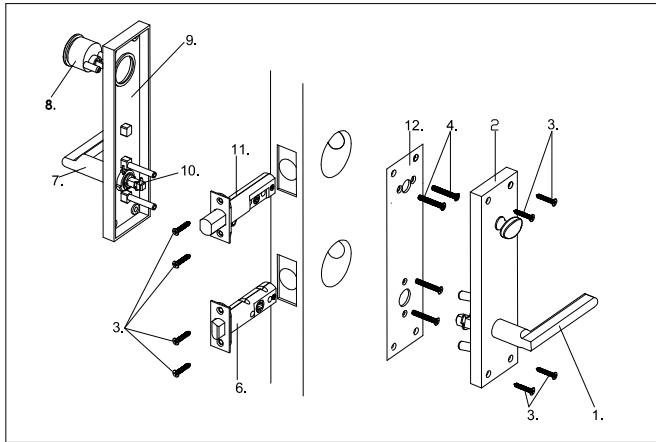


INSTALLATION INSTRUCTION

Exploded View

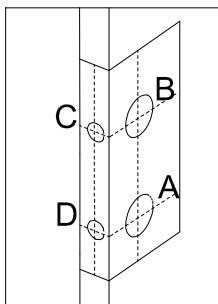


Parts Enclosed

- | | | |
|---|----------------------|----------------------|
| 1. Inside Lever (1) | 5. | 10. Spindle (1) |
| 2. Set Screws (2) | 6. Latch (1) | 11. Deadbolt (1) |
| 3. #8x1" Flat Head
Screws (4) | 7. Outside Lever (1) | 12. Adaptor B (1) |
| 4. #8-32x1-3/8" Flat Head
Screws (4) | 8. Cylinder (1) | 13. Inside Plate (1) |
| | 9. Outside Plate (1) | |

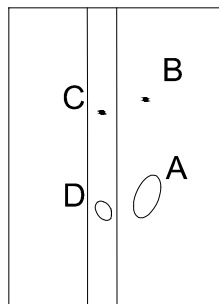
NOTE: See Strike Installation section for strike parts listing.

Door Preparation/Active Lockset



①

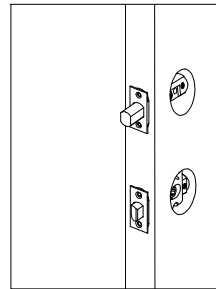
To position template, fold enclosed template on line and locate on door at specified height. Determine door thickness and type of Lockset to be installed. Locate and mark required holes (A, B, C, D) for drilling. As per enclosed marking template. Proceed to Step 2.



②

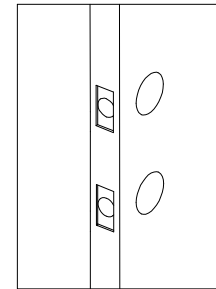
Drill the 2-1/8" dia. face bores (A and B) through the door and 1" dia. edge bores (C and D) 3-1/2" deep for 2-3/8" backset or 3-7/8" deep for 2-3/4" backset. The latch and deadbolt accommodate both size backsets.

Door Preparation/Active Lockset



③

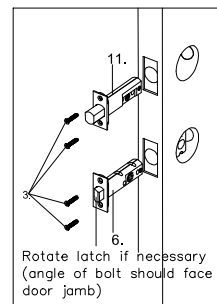
Insert deadbolt into edge of door. While holding faceplate parallel to edge of door, trace an outline of the faceplate onto the door edge. Mark screw hole centers and drill. Remove deadbolt and repeat the process for latch.



④

Chisel out area marked in step 3 to a depth of 9/64" or until faceplate is flush with door edge.

Installing Deadbolt and Latch

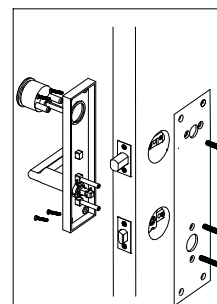


⑤

A: The latch and deadbolt will be set at 2-3/8" or 2-3/4" backset. Please make sure of backset before installation.

B: Position deadbolt and latch. Install with four #8x3/4" flat head screws provided (see diagram for proper position). Ensure deadbolt is extended through out installation procedure

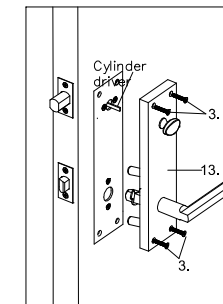
Installing Trim



⑥

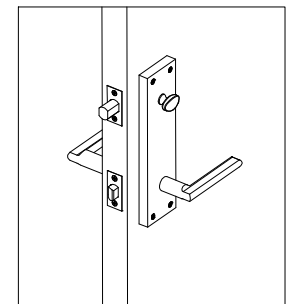
Insert the spindle into the latch hole installing the exterior Trim as per the right picture. put the spindle through lever hole and then use 4 sku #8x1" screws to fix on the door.

Installing Trim



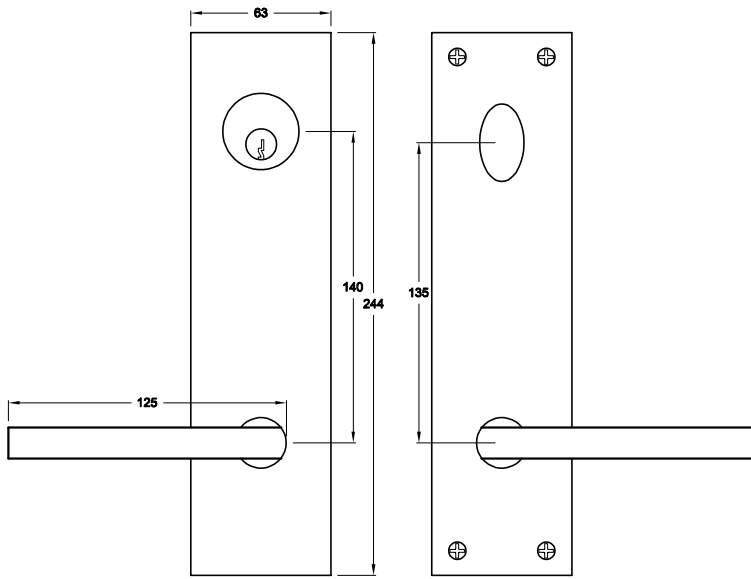
⑦

Please make the spindle inside the door to make it fixed into the lever and also stick to the trim. use supplied screws to fix. Mean while, install exterior leading cover in accordance with interior leading post. Use 4 #8x1" screws to fix the trim.

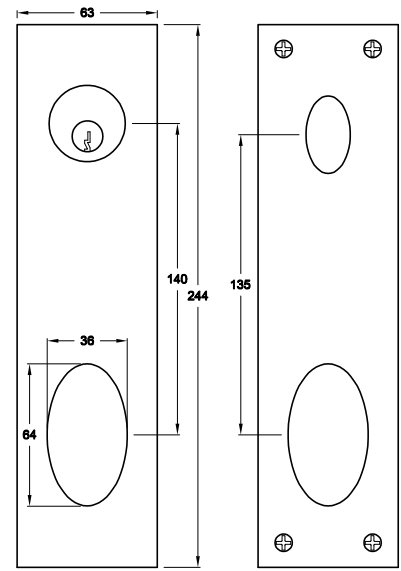


⑧

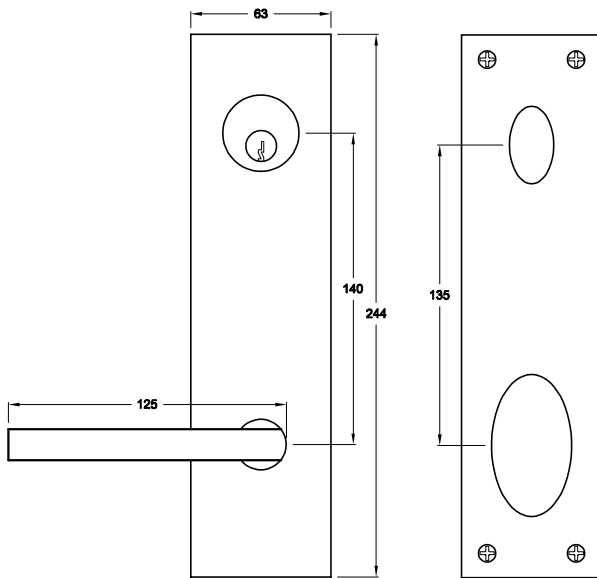
Try pulling the spindle inside the door to make it fixed into the lever and also stick to the trim. use supplied screws to fix. Mean while, install exterior leading cover in accordance with interior leading post. Use 4 #8x1" screws to fix on the spindle.



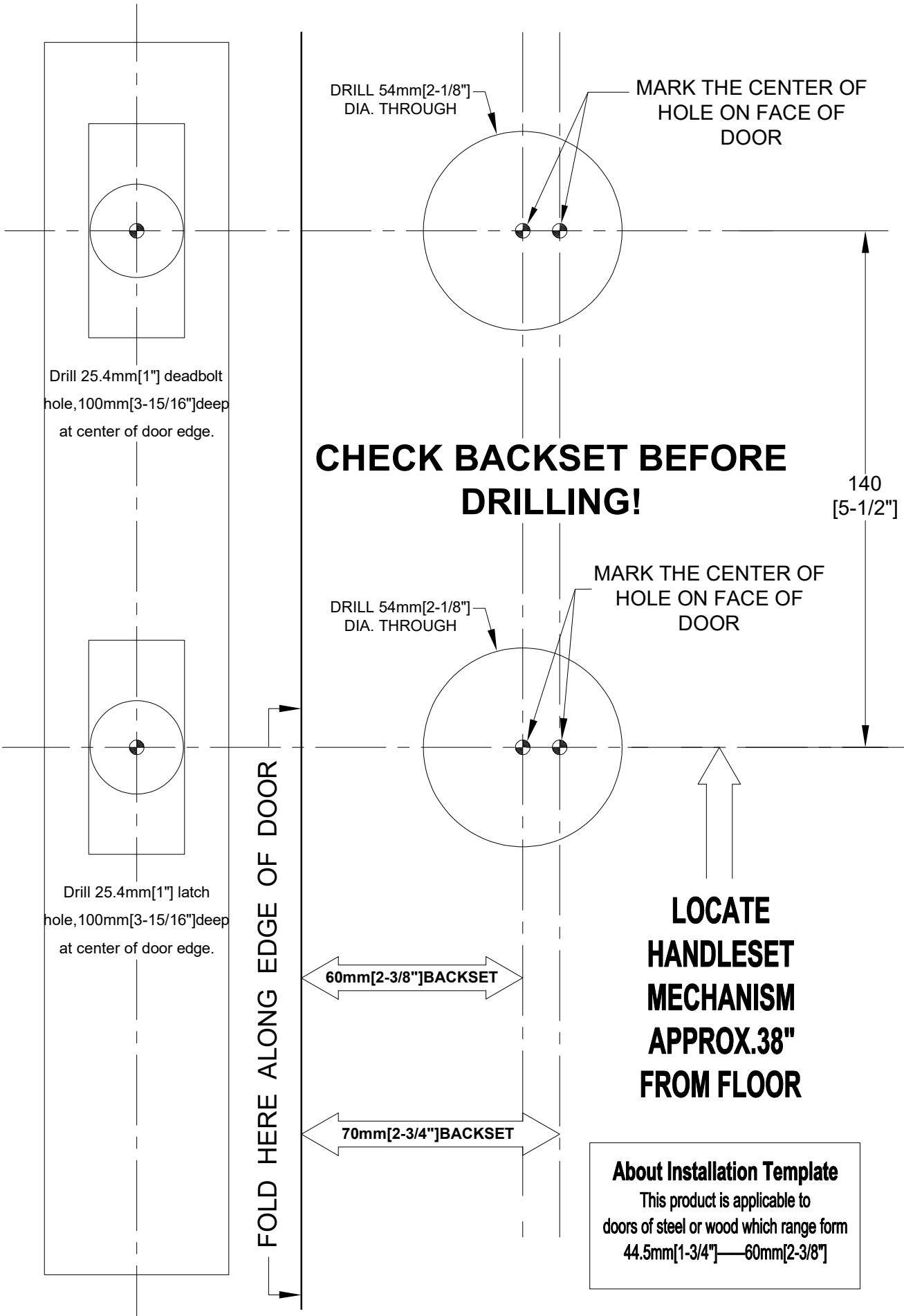
XF03A-68



XF03A-10



XF03A-6810



DRILL 54mm[2-1/8"]
DIA. THROUGH

MARK THE CENTER OF
HOLE ON FACE OF
DOOR

Drill 25.4mm[1"] deadbolt
hole, 100mm[3-15/16"] deep
at center of door edge.

**CHECK BACKSET BEFORE
DRILLING!**

140
[5-1/2"]

DRILL 54mm[2-1/8"]
DIA. THROUGH

MARK THE CENTER OF
HOLE ON FACE OF
DOOR

Drill 25.4mm[1"] latch
hole, 100mm[3-15/16"] deep
at center of door edge.

FOLD HERE ALONG EDGE OF DOOR

60mm[2-3/8"]BACKSET

**LOCATE
HANDLESET
MECHANISM
APPROX. 38"
FROM FLOOR**

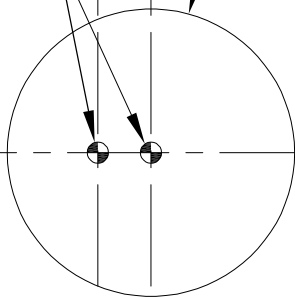
70mm[2-3/4"]BACKSET

About Installation Template

This product is applicable to
doors of steel or wood which range from
44.5mm[1-3/4"] — 60mm[2-3/8"]

MARK THE CENTER OF HOLE ON FACE OF DOOR

DRILL 54mm[2-1/8"] DIA. THROUGH

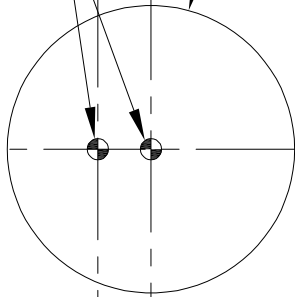


140 [5-1/2"]

CHECK BACKSET BEFORE DRILLING!

MARK THE CENTER OF HOLE ON FACE OF DOOR

DRILL 54mm[2-1/8"] DIA. THROUGH

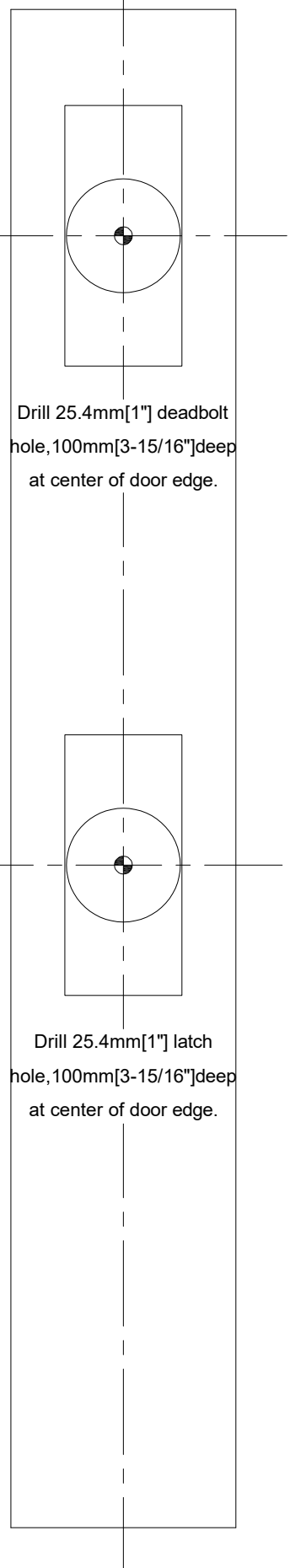


LOCATE HANDLESET MECHANISM APPROX. 38" FROM FLOOR

60mm[2-3/8"] BACKSET

70mm[2-3/4"] BACKSET

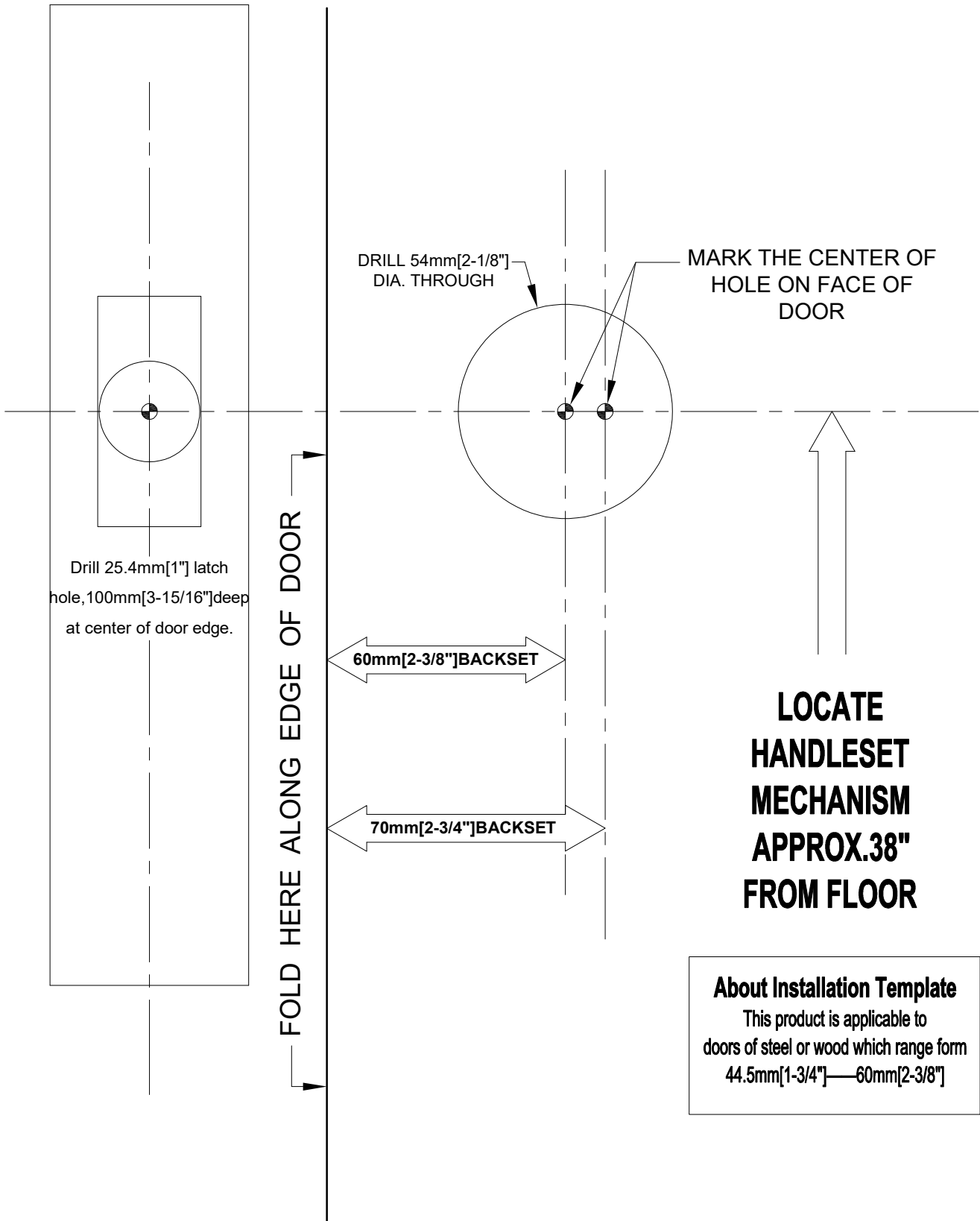
FOLD HERE ALONG EDGE OF DOOR



Drill 25.4mm[1"] deadbolt hole, 100mm[3-15/16"] deep at center of door edge.

Drill 25.4mm[1"] latch hole, 100mm[3-15/16"] deep at center of door edge.

About Installation Template
This product is applicable to doors of steel or wood which range from 44.5mm[1-3/4"]—60mm[2-3/8"]



Drill 25.4mm [1"] hole, 100mm [3-15/16"] deep at center of door edge.

FOLD HERE ALONG EDGE OF DOOR

DRILL 54mm [2-1/8"] DIA. THROUGH

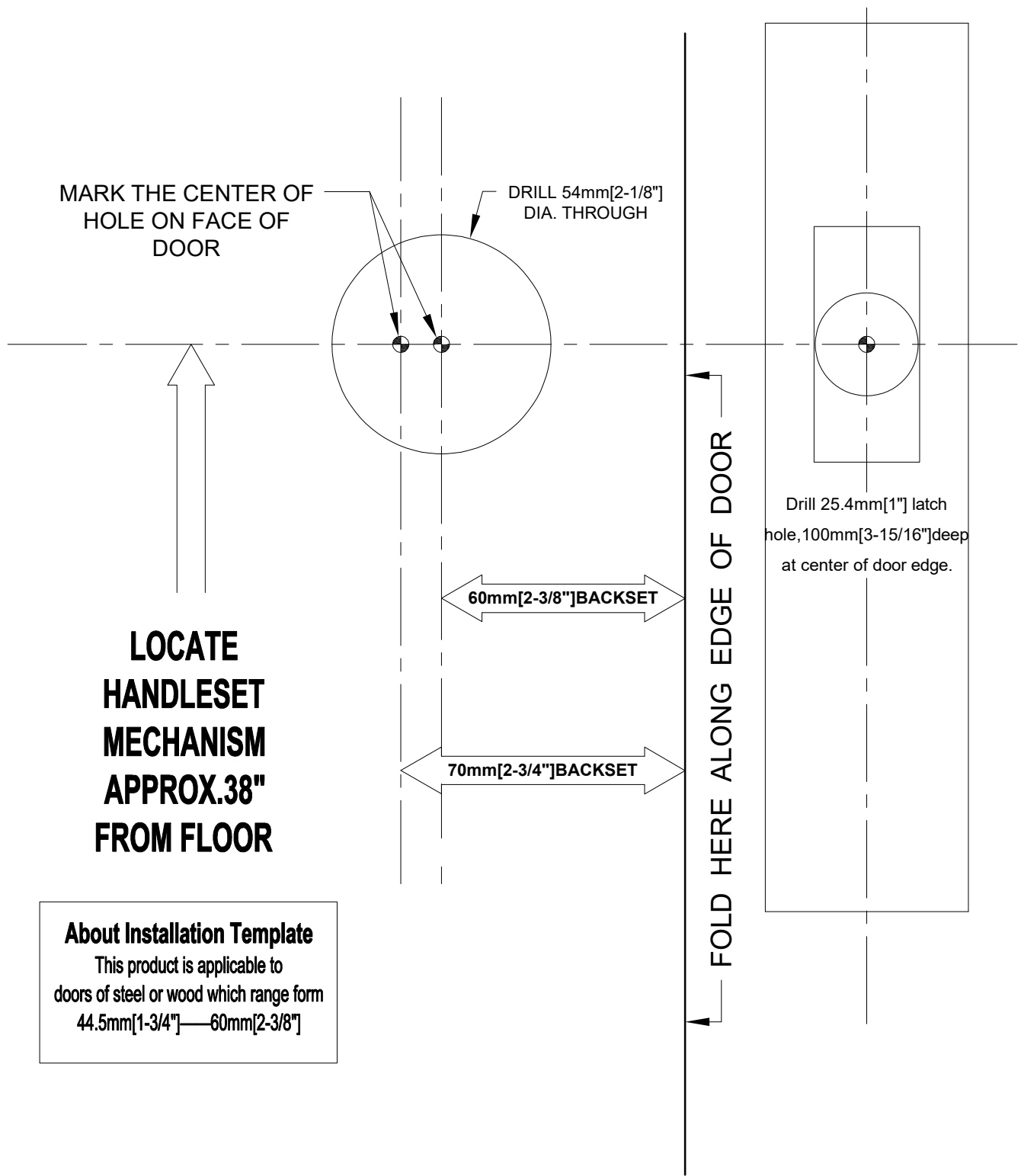
MARK THE CENTER OF HOLE ON FACE OF DOOR

60mm [2-3/8"] BACKSET

70mm [2-3/4"] BACKSET

**LOCATE
HANDLESET
MECHANISM
APPROX. 38"
FROM FLOOR**

About Installation Template
This product is applicable to doors of steel or wood which range from 44.5mm [1-3/4"]—60mm [2-3/8"]



MARK THE CENTER OF HOLE ON FACE OF DOOR

DRILL 54mm [2-1/8"] DIA. THROUGH

**LOCATE
HANDLESET
MECHANISM
APPROX. 38"
FROM FLOOR**

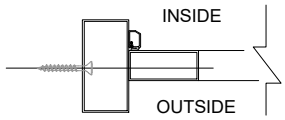
60mm [2-3/8"] BACKSET

70mm [2-3/4"] BACKSET

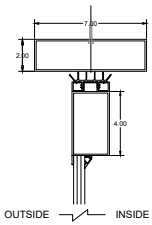
FOLD HERE ALONG EDGE OF DOOR

Drill 25.4mm [1"] latch hole, 100mm [3-15/16"] deep at center of door edge.

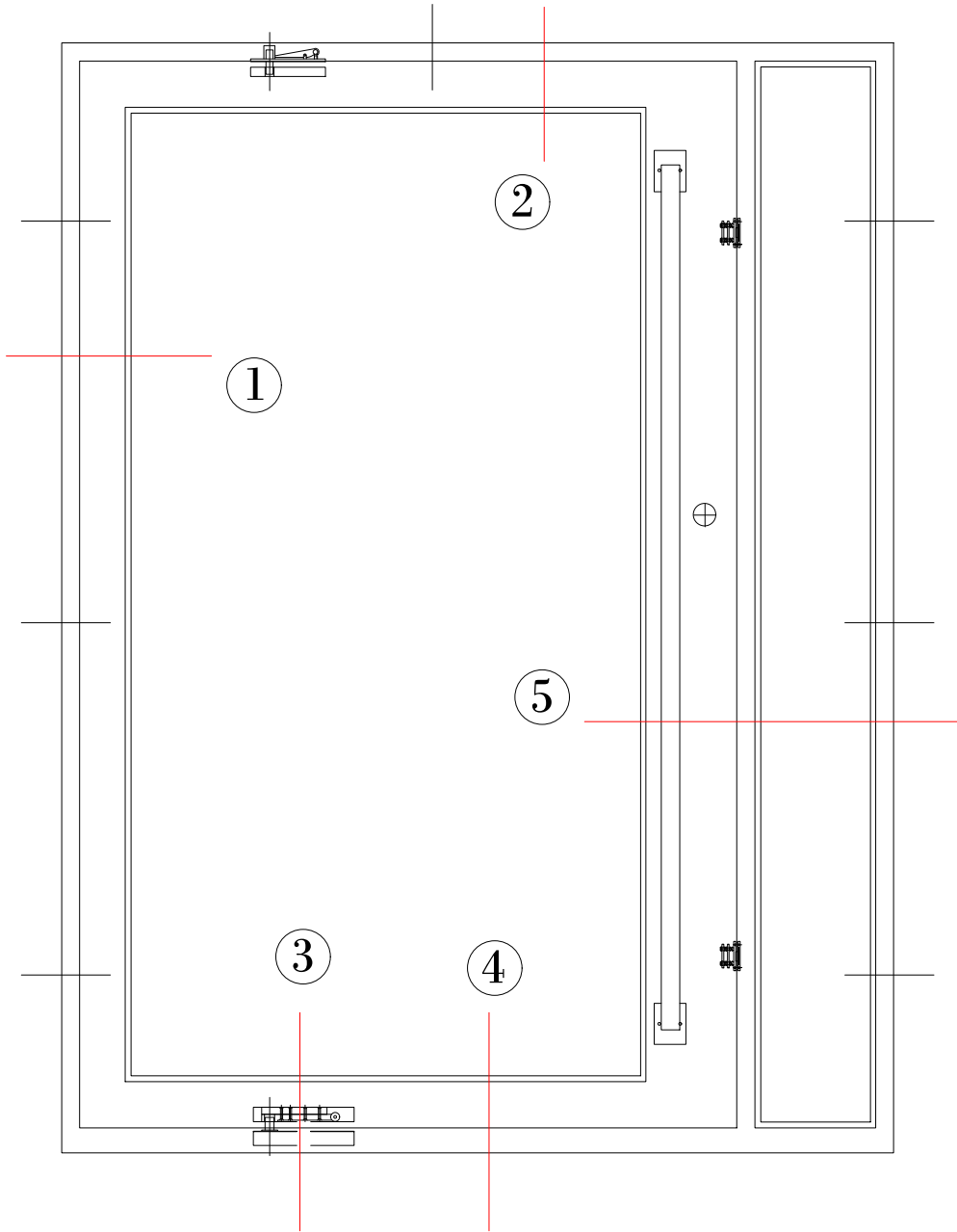
About Installation Template
 This product is applicable to doors of steel or wood which range from 44.5mm [1-3/4"] — 60mm [2-3/8"]



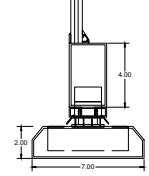
1



2

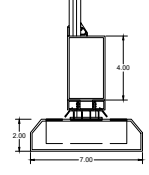


OUTSIDE INSIDE

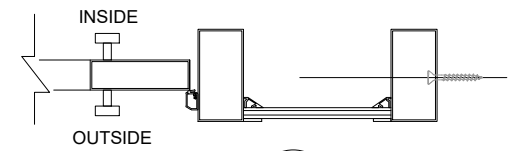


3

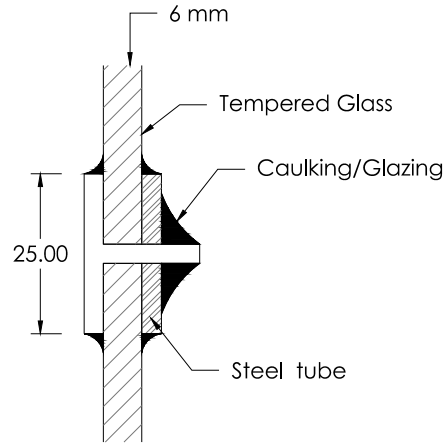
OUTSIDE INSIDE



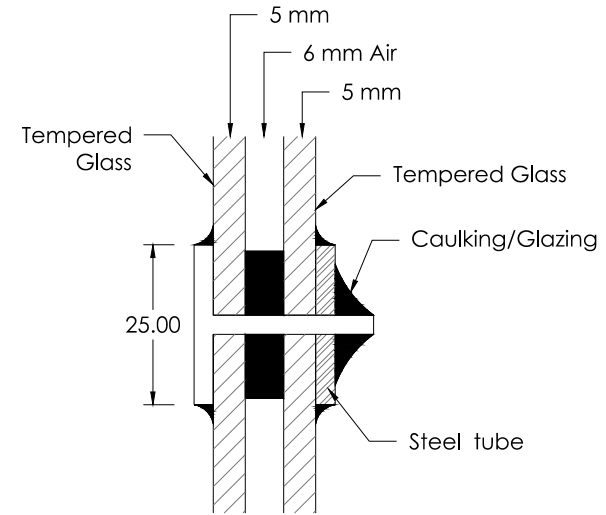
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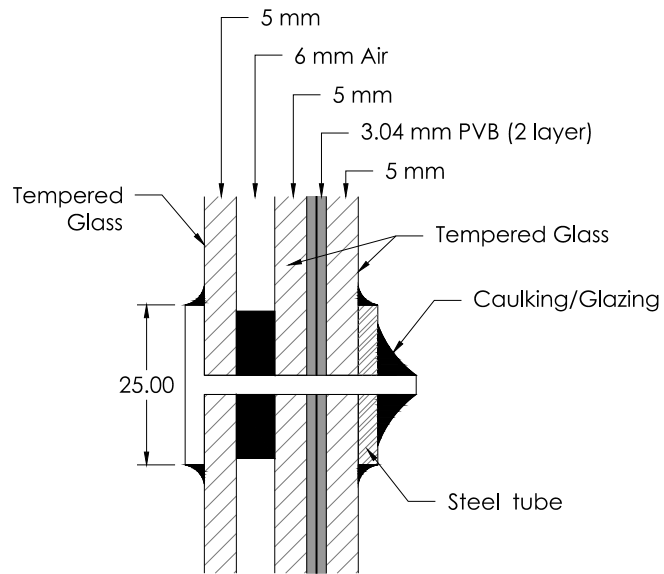
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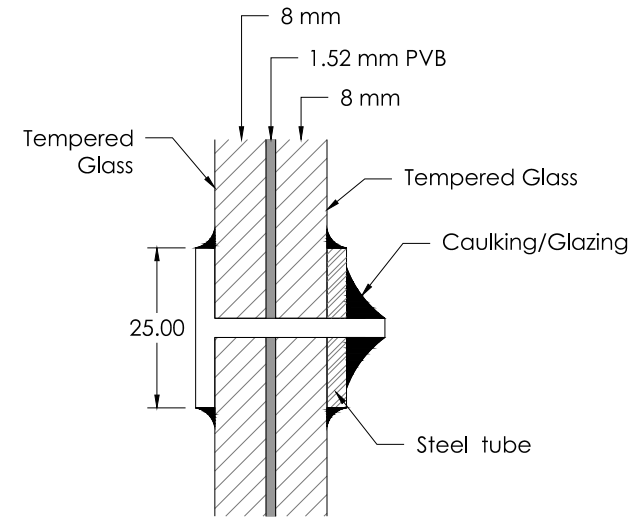
Single Pane with caulking/glazing



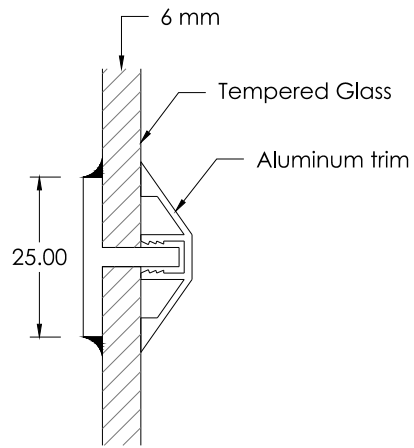
Standard double pane with caulking/glazing



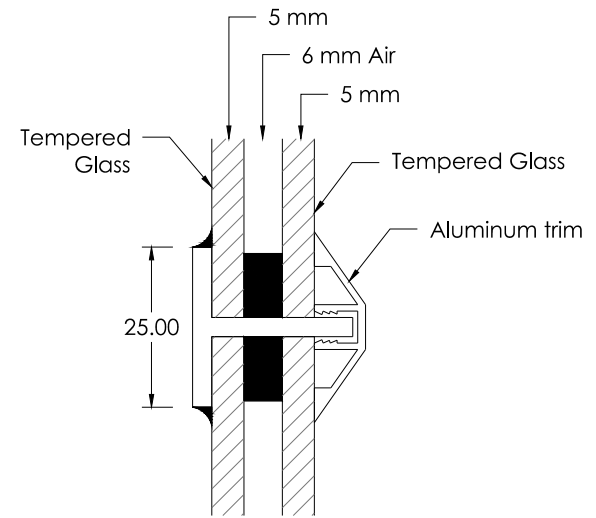
Tripple impact glass with caulking/glazing



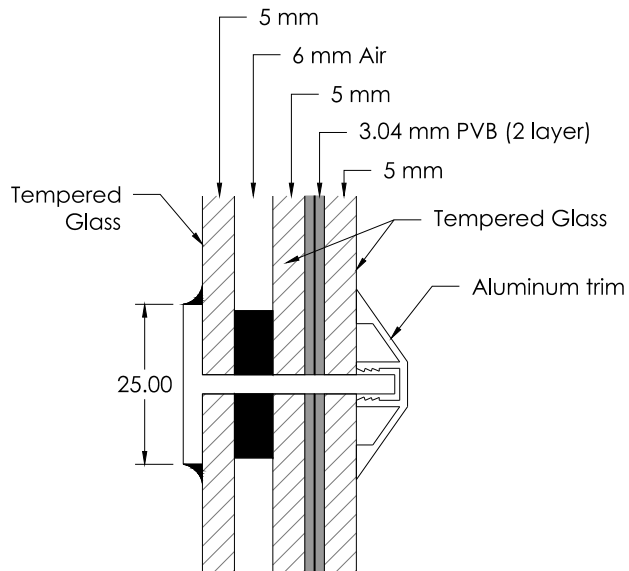
Double impact glass with caulking/glazing



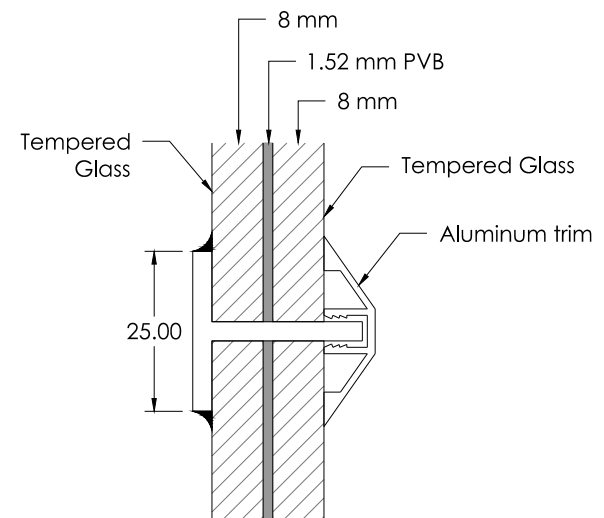
Single Pane with beveled trim



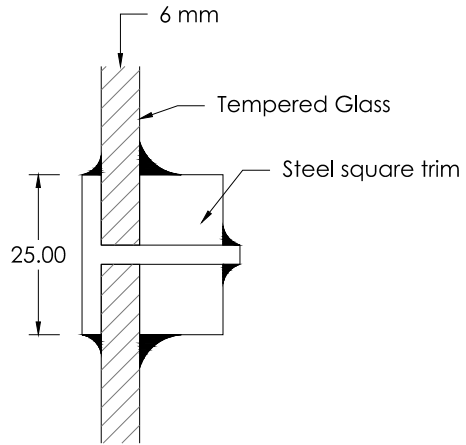
Standard double pane with beveled trim



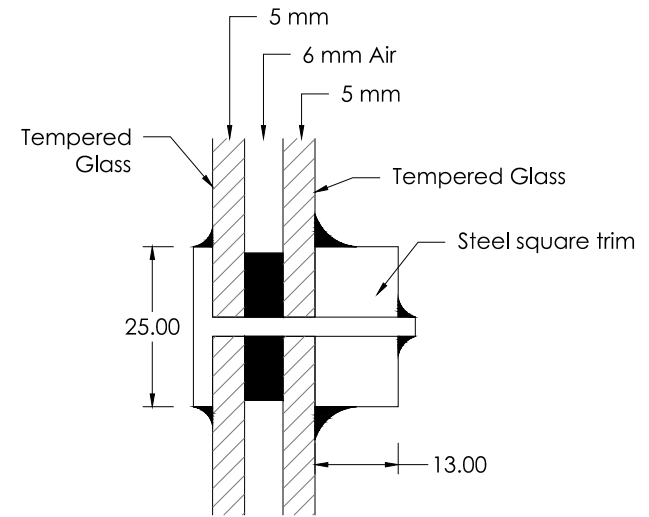
Tripple impact glass with beveled trim



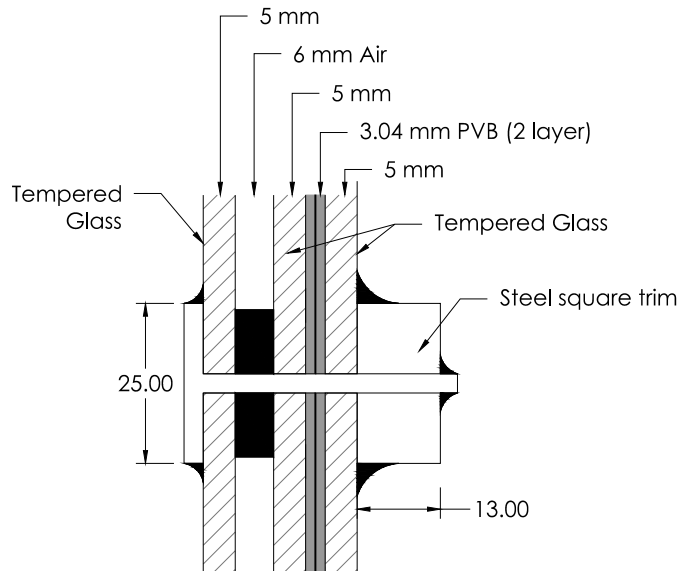
Double impact glass with beveled trim



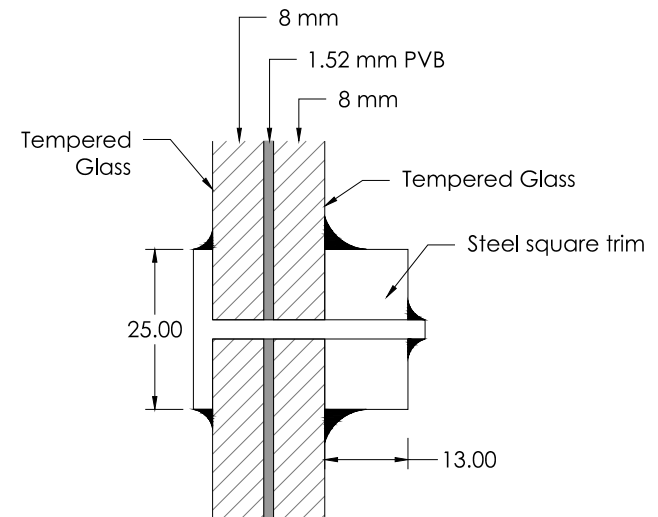
Single Pane with square trim



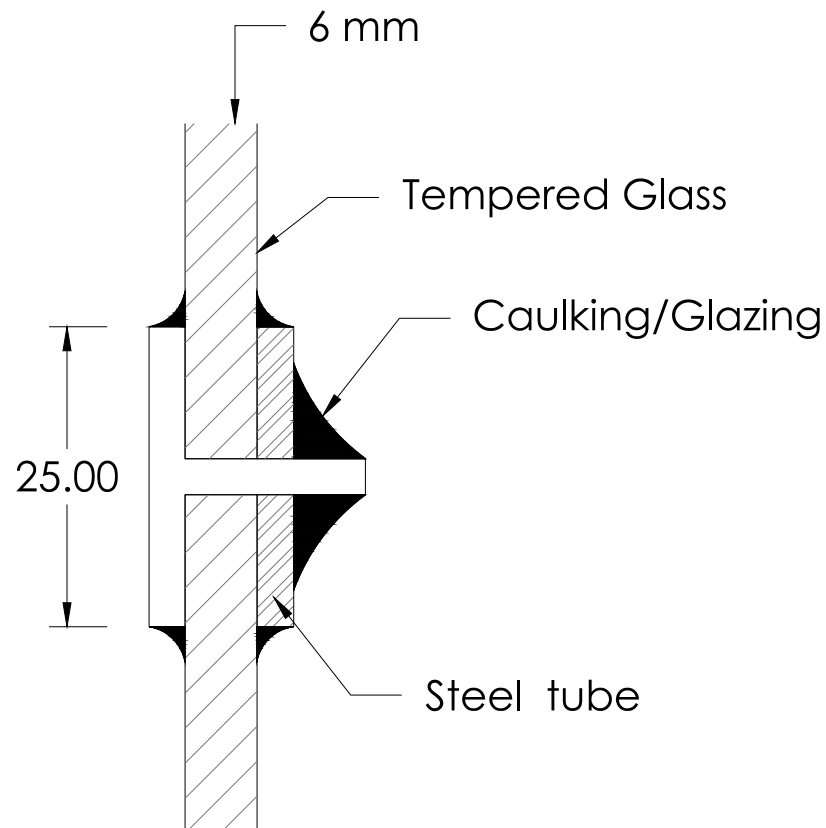
Standard double pane with square trim



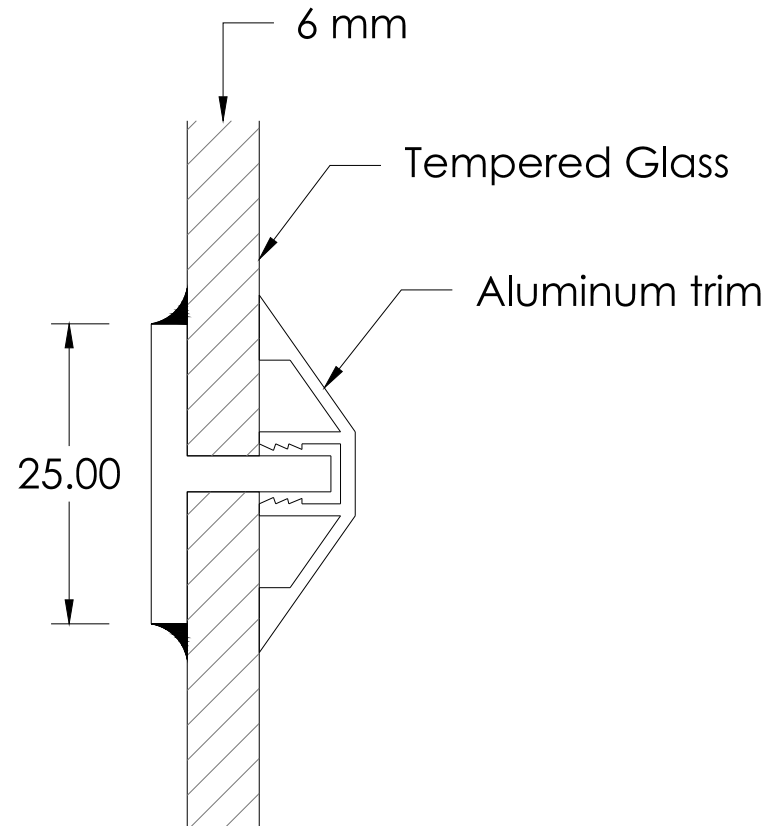
Tripple impact glass with square trim



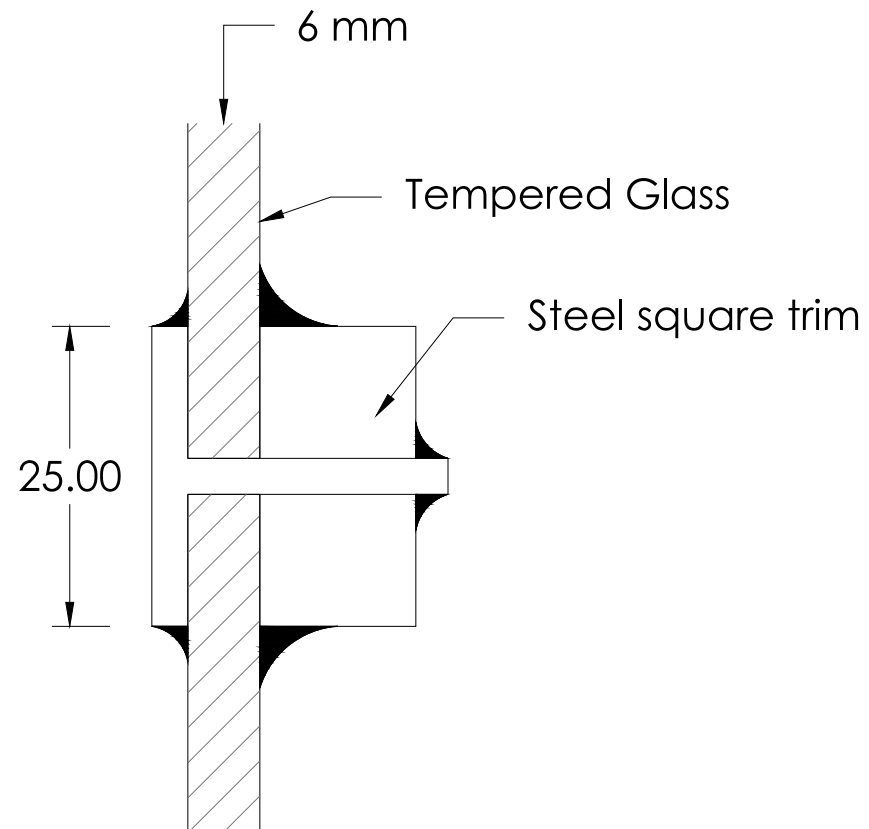
Double impact glass with square trim



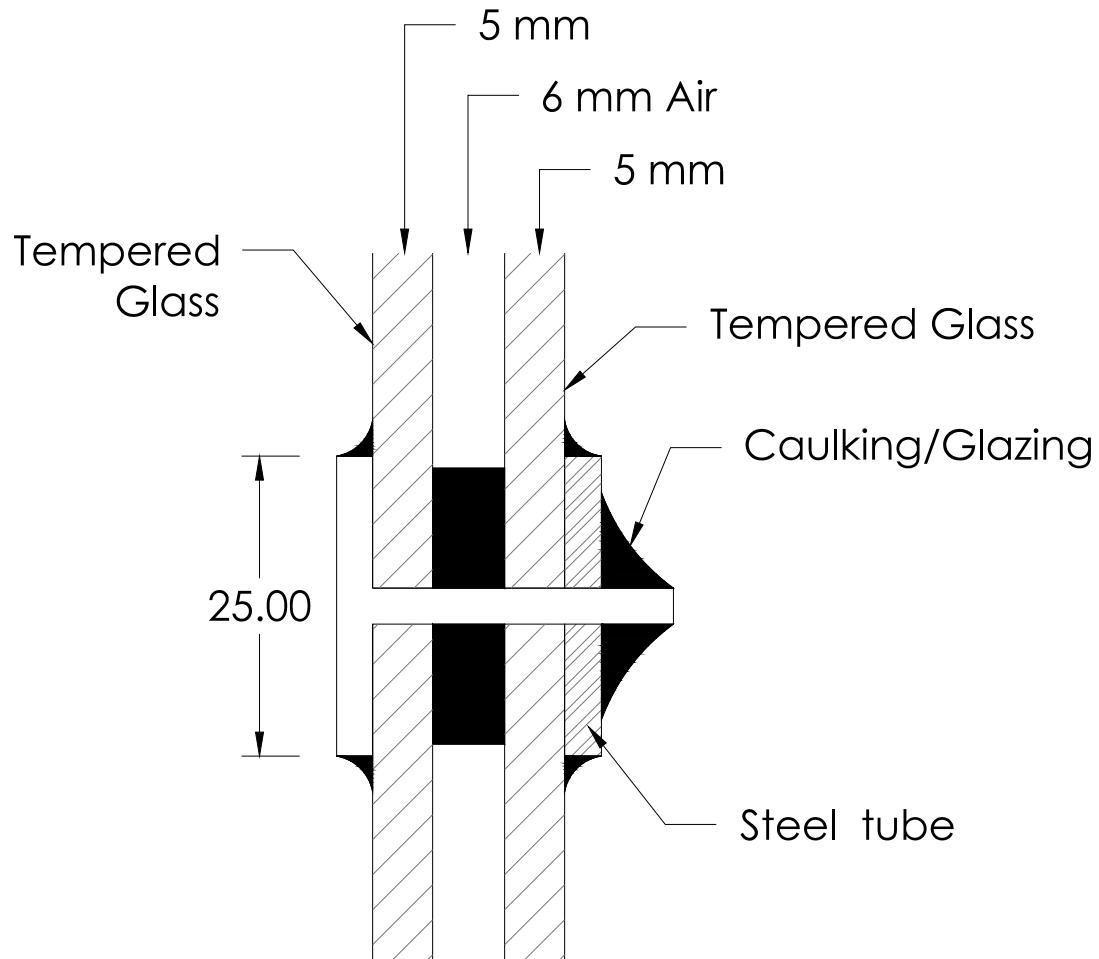
Single Pane with caulking/glazing



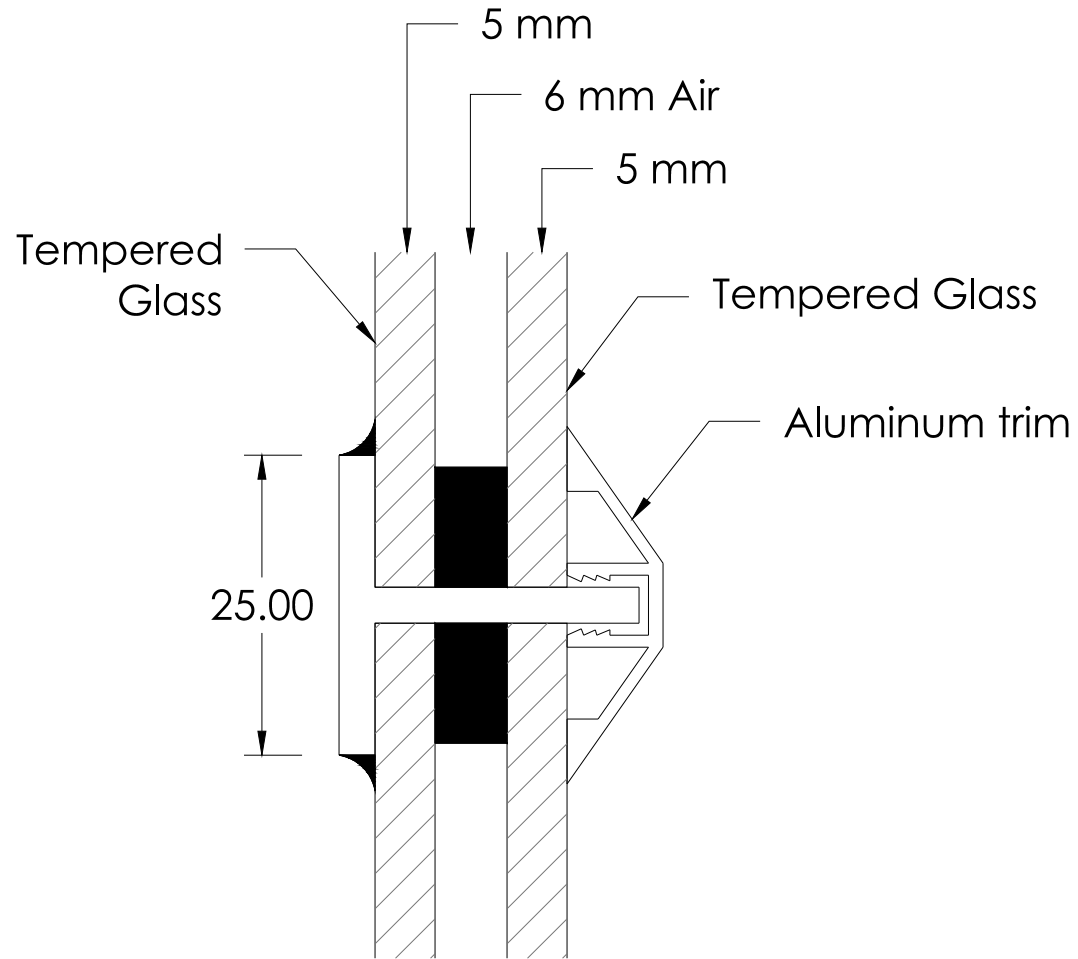
Single Pane with beveled trim



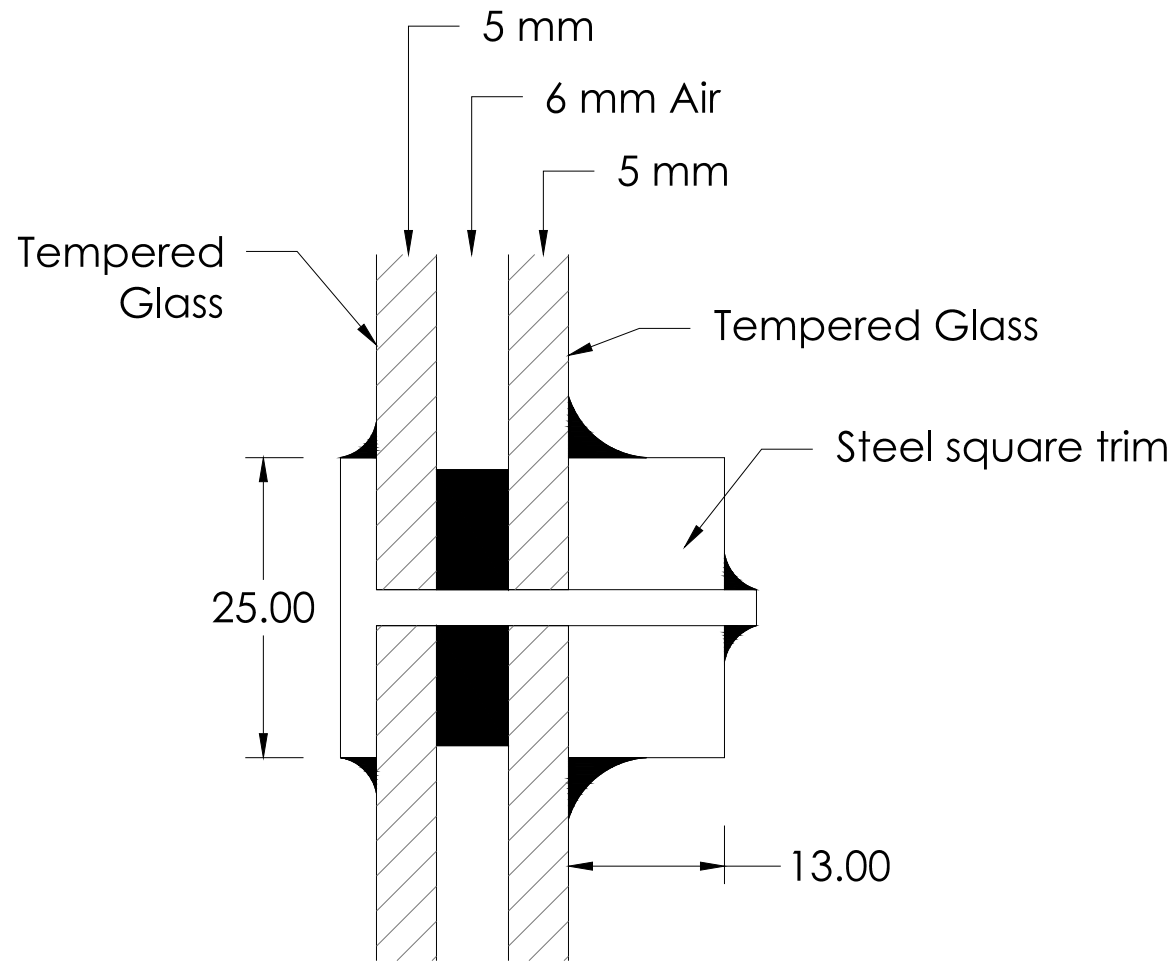
Single Pane with square trim



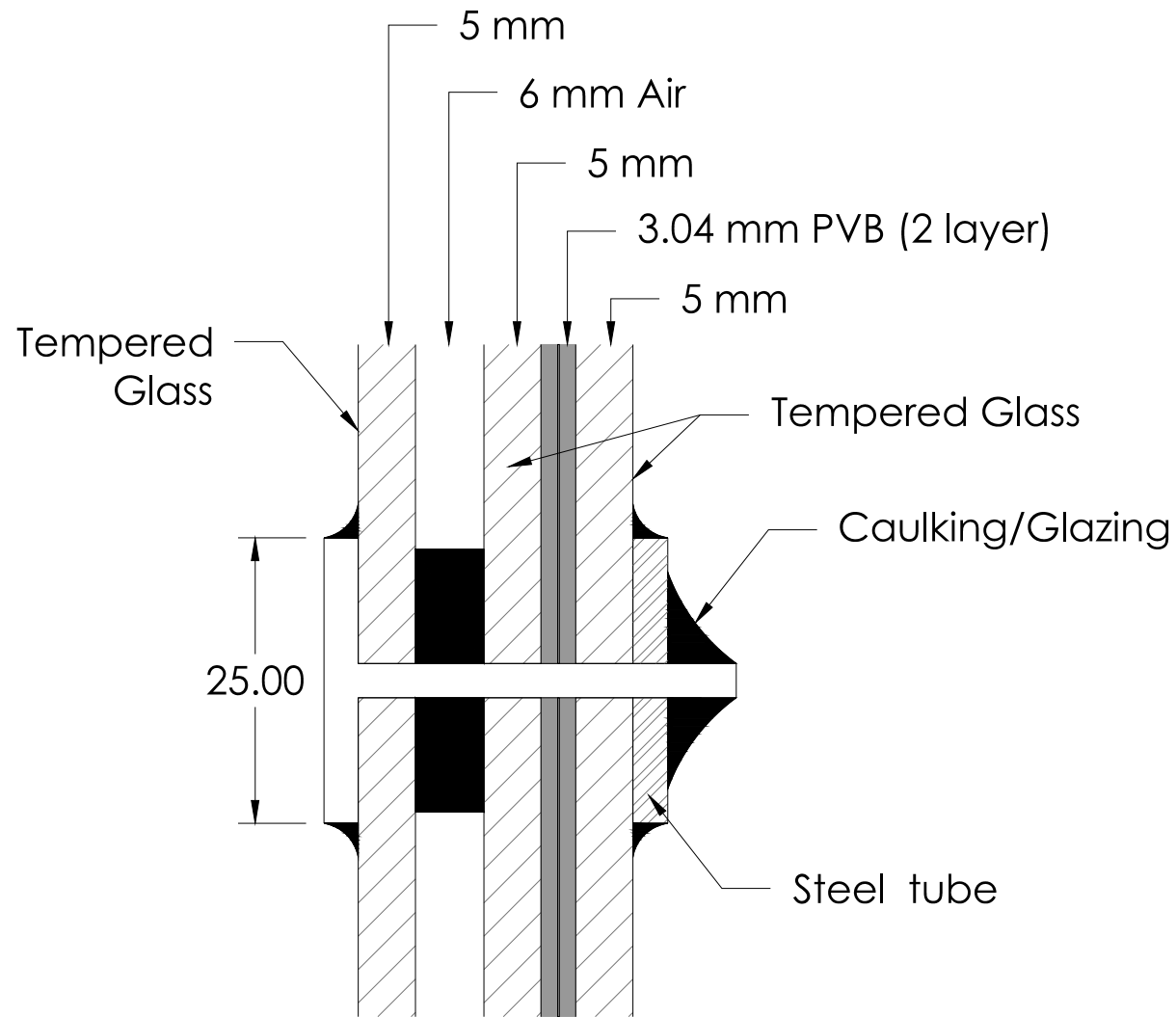
Standard double pane with caulking/glazing



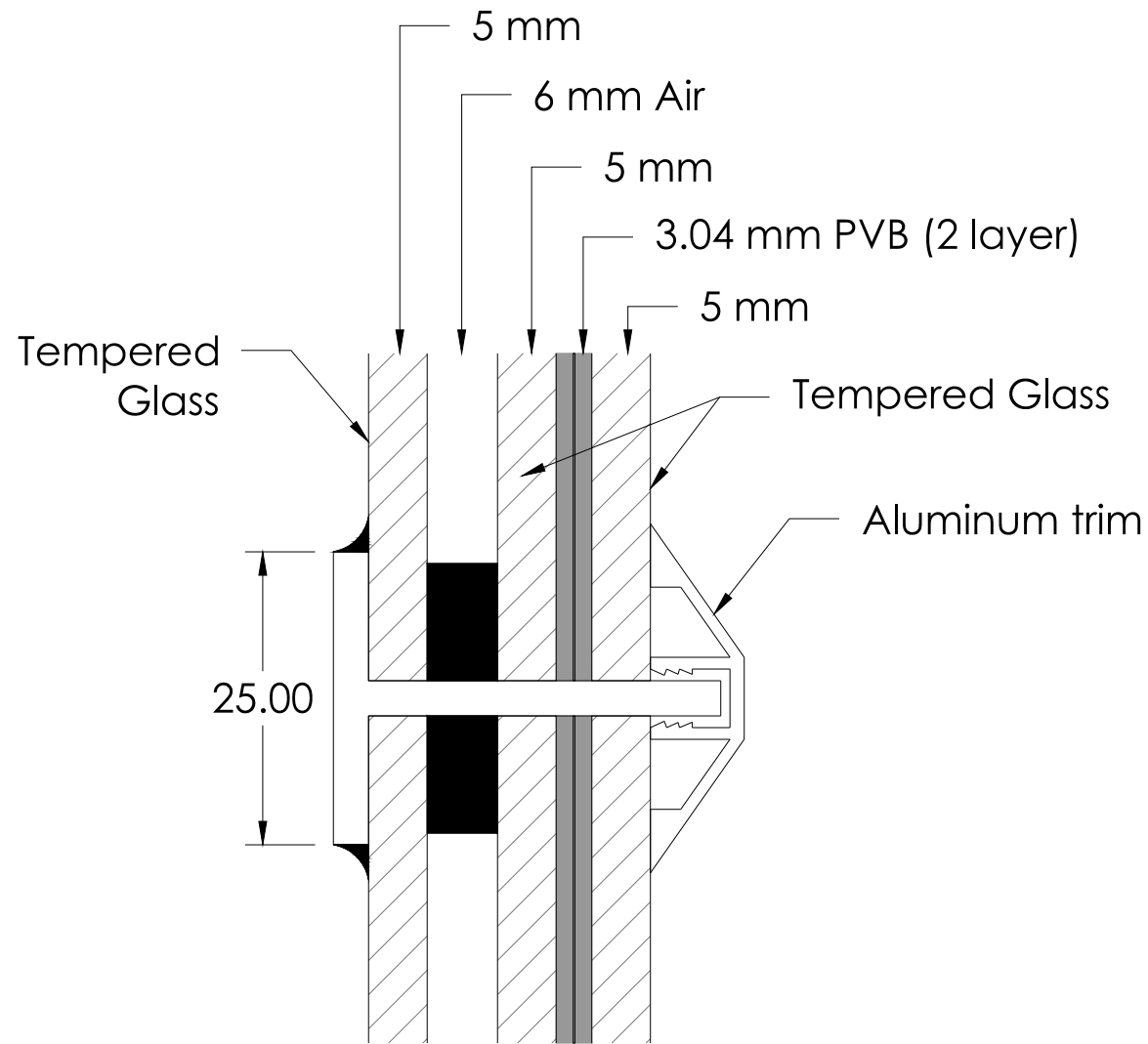
Standard double pane with beveled trim



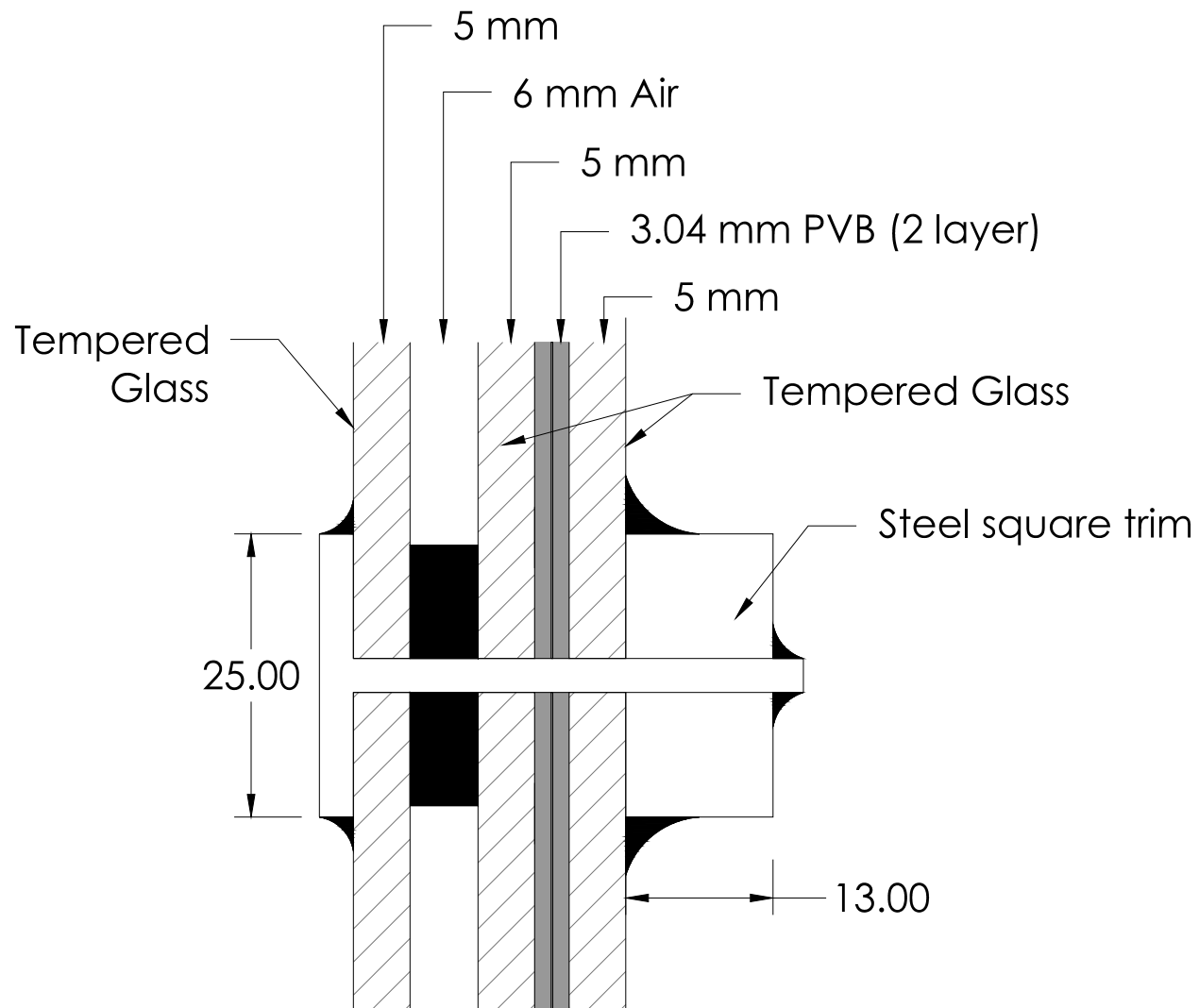
Standard double pane with square trim



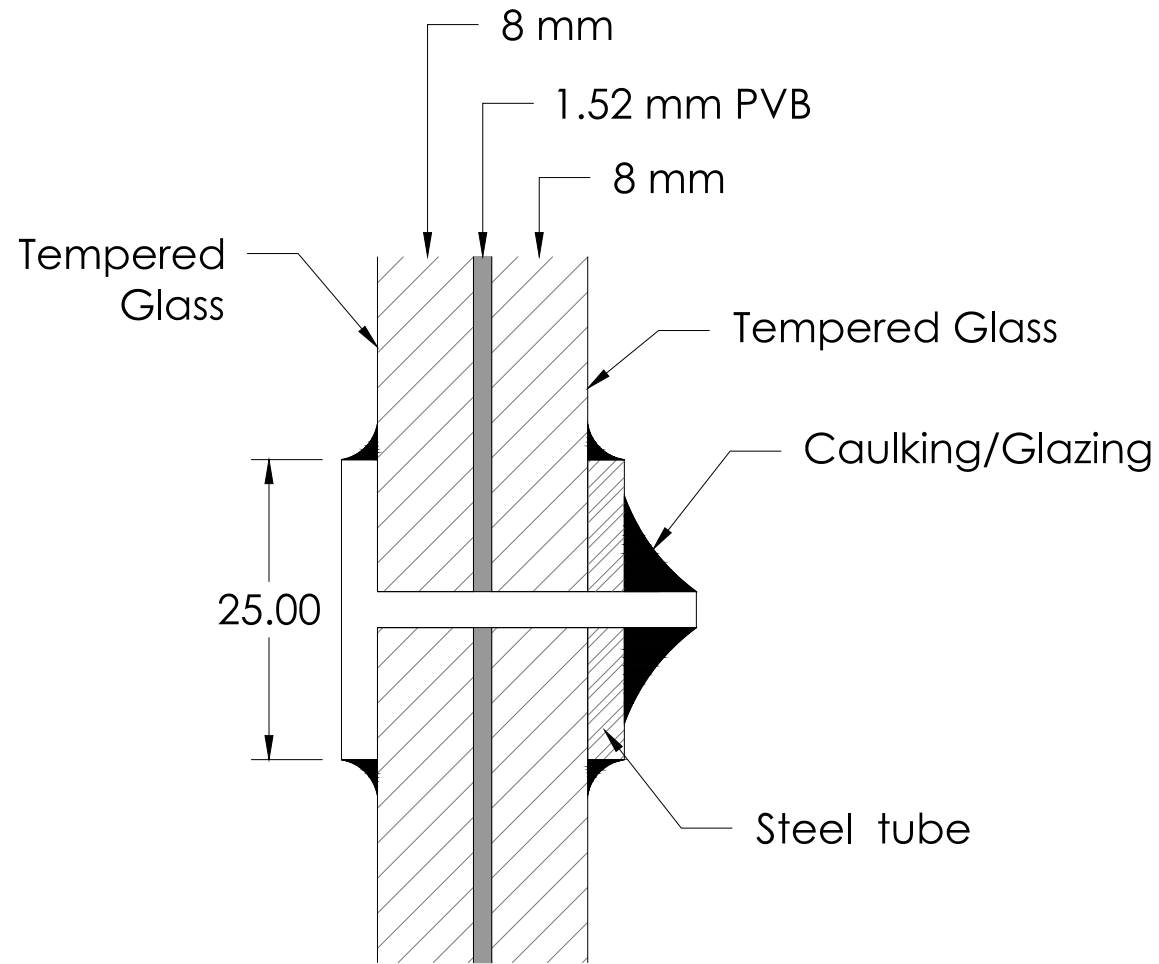
Tripple impact glass with caulking/glazing



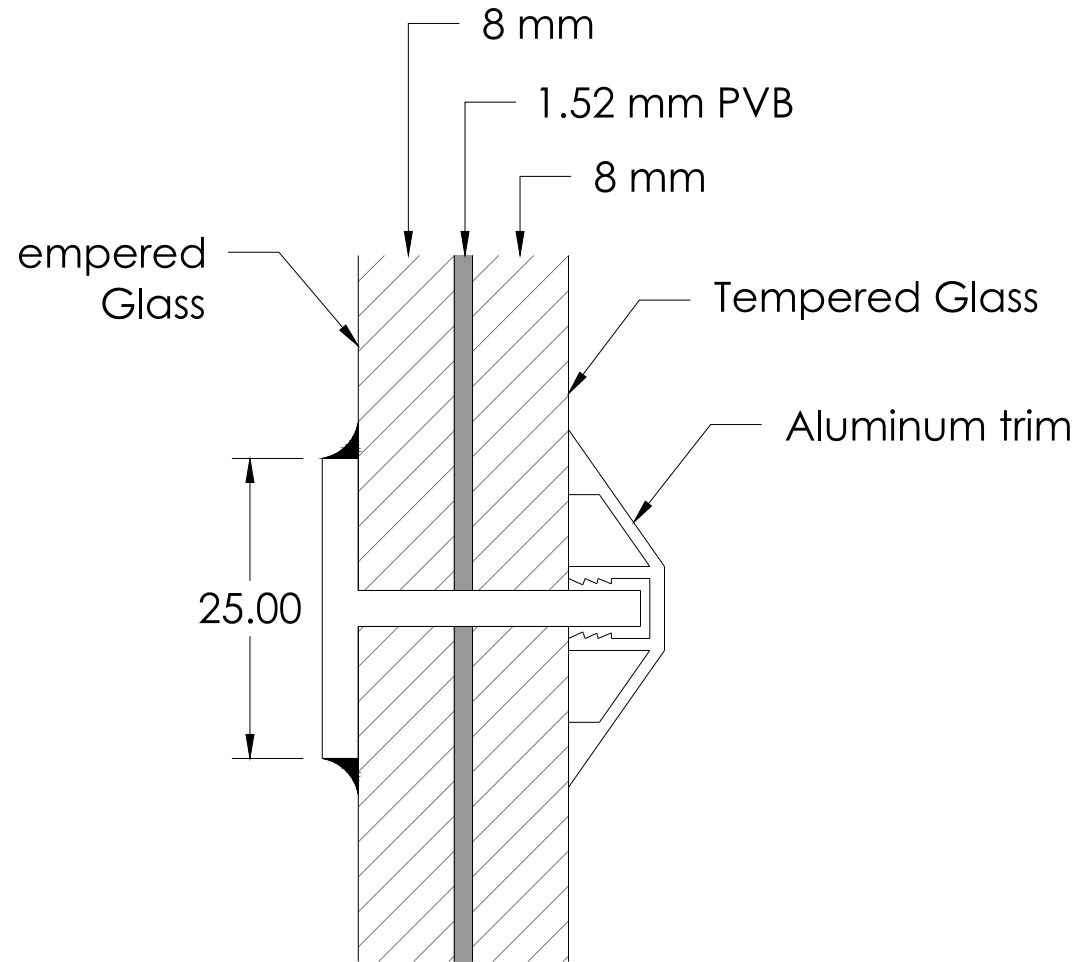
Tripple impact glass with beveled trim



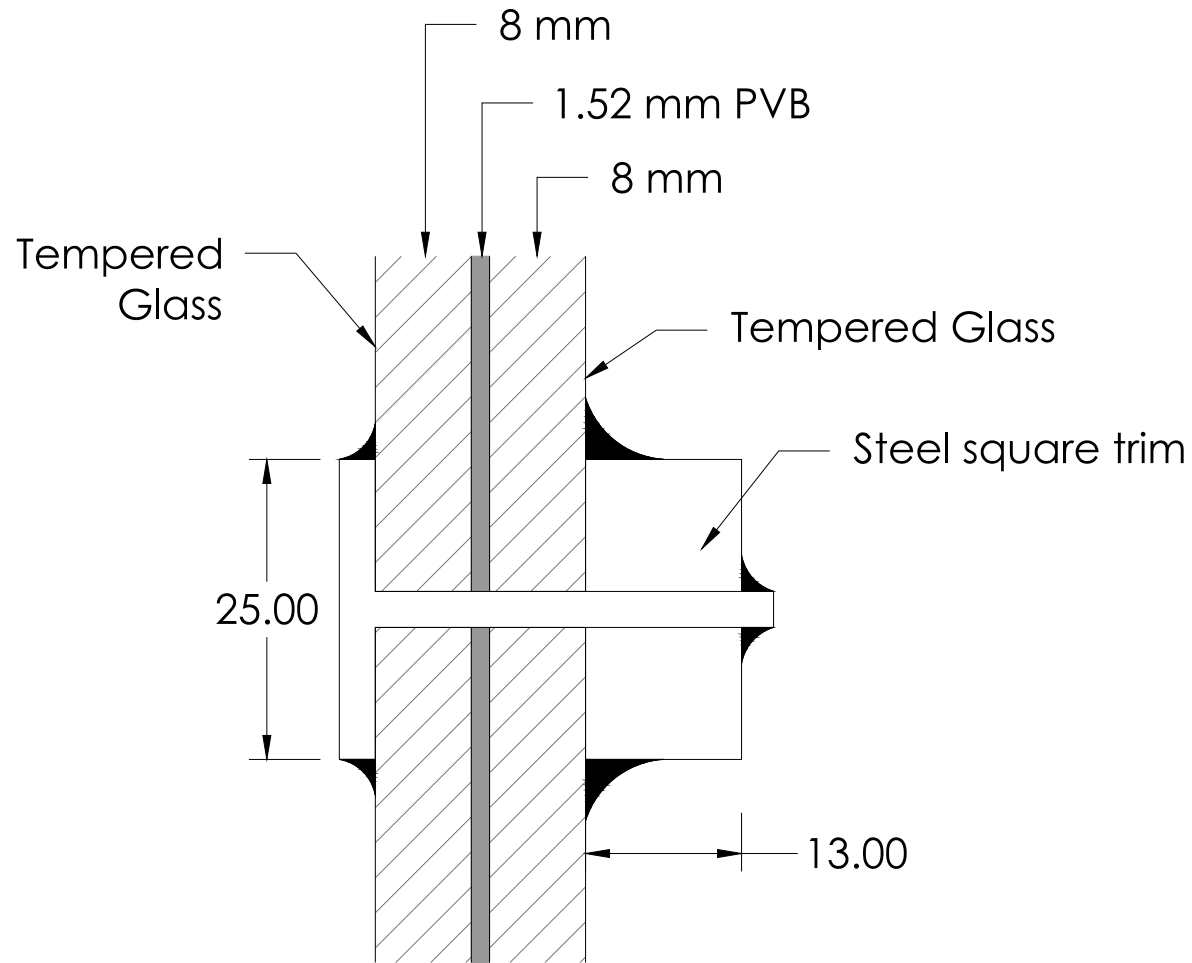
Tripple impact glass with square trim



Double impact glass with caulk/glazing

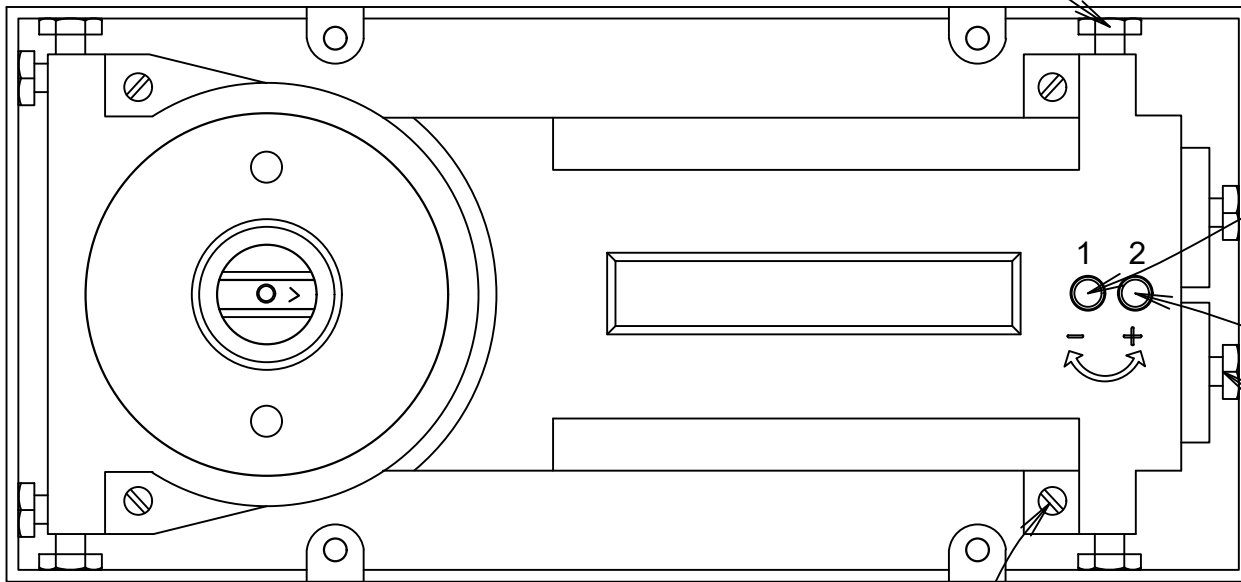


Double impact glass with beveled trim



Double impact glass with square trim

HORIZONTAL ADJUSTMENT



SOFT CLOSE PRESSURE
ADJUSTMENT

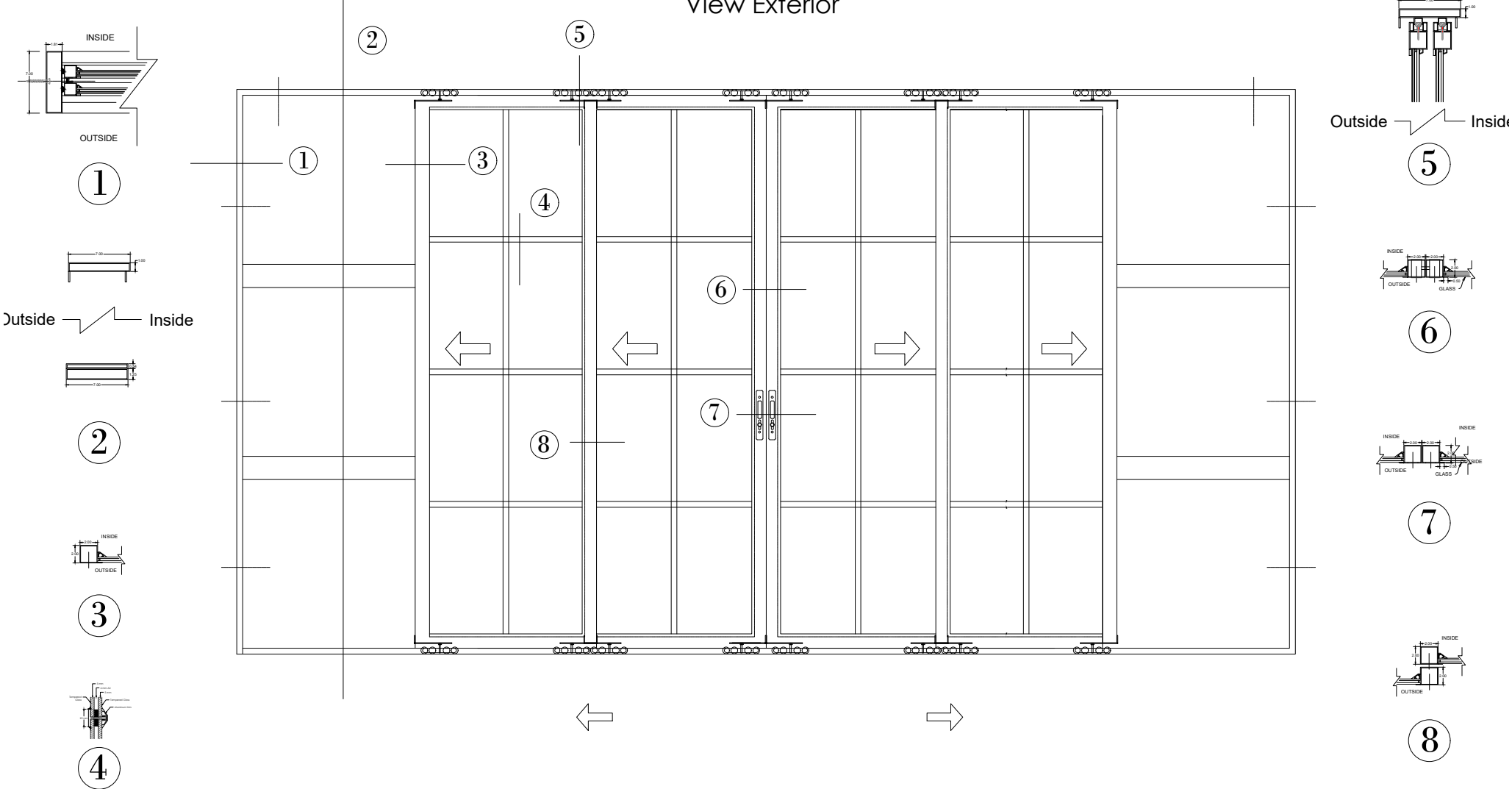
OPENNING SPEED
ADJUSTMENT

SIDE TO SIDE
ADJUSTMENT

HORIZONTAL ADJUSTMENT

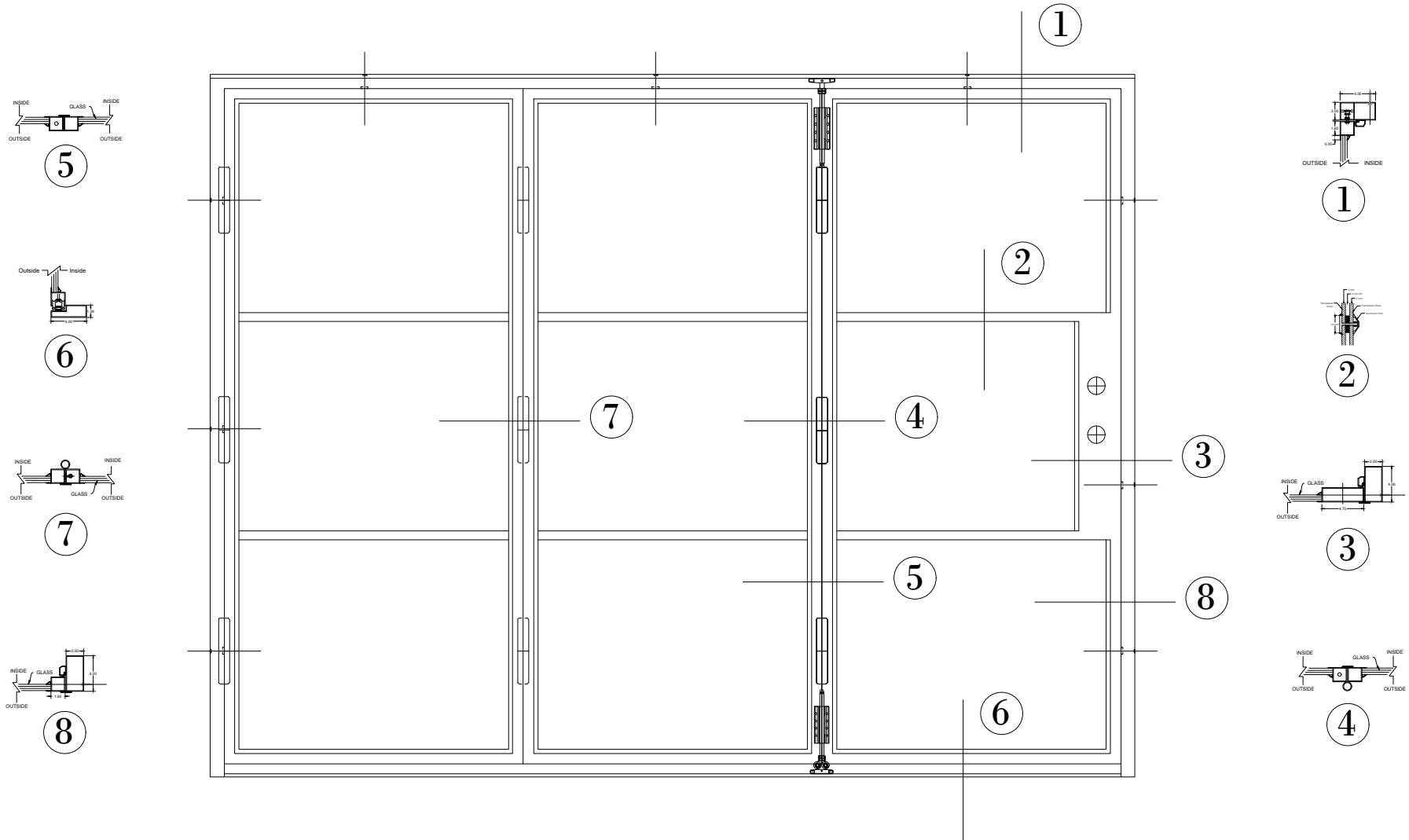
PIVOT HINGE

View Exterior

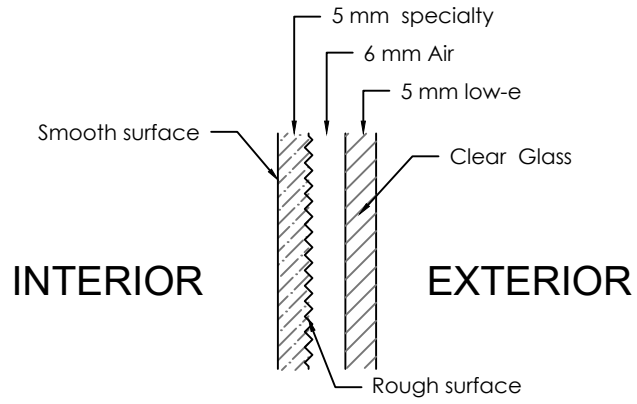


STELLAR CLASSIC[®]
POCKET DOOR

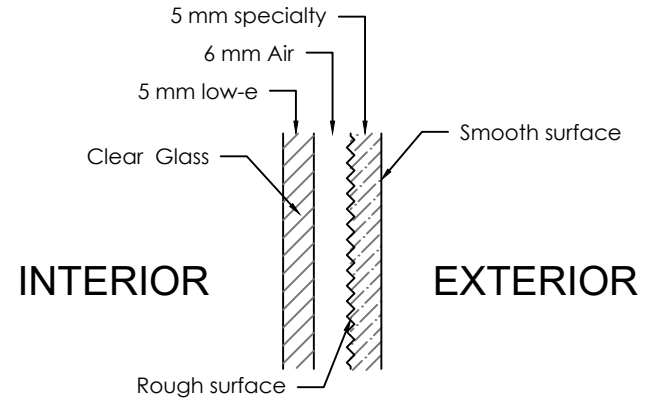
Stellar Accordion



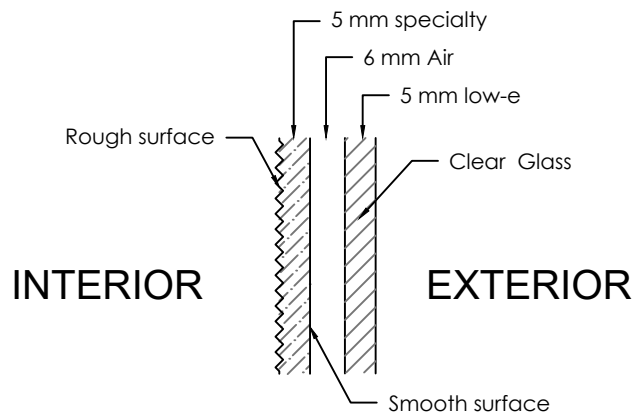
Specialty Glass Orientation



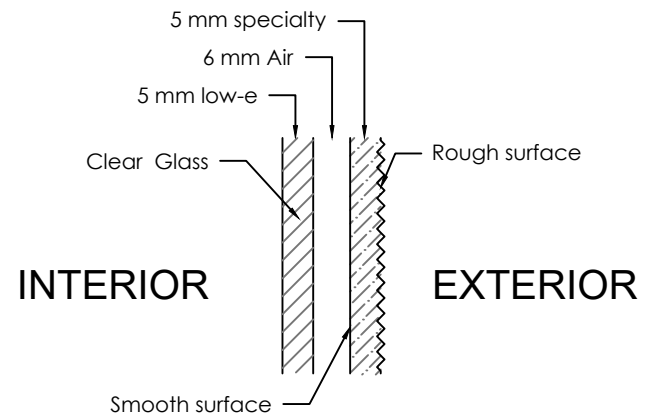
A



C



B



D

Low-E Glass Data

1. Specification

Film Color	Clear, Gold
Substrate Color	Clear glass, Ultra clear glass, Tinted glass
Thickness	3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm
Sizes	3300*2134 mm 3300*2440 mm 2134~6000*3300 mm, customized

2. Performance Parameters

(1) Single Pane Glass Specification

Ultra Clear Low-E						
Single Pane Monolithic	Thickness (mm)	Transmissivity LT (%)	Reflectivity LR (%)	Resistance (Ω/\square)	Color Uniformity ΔE_{ab}^*	Emissivity
Clear Low-E	4	≥ 83.0	10	≤ 14	$\Delta E_{ab}^* < 1$	0.17
	5	≥ 83.1	11	≤ 14	$\Delta E_{ab}^* < 1$	0.17
	6	≥ 82.5	10	≤ 15	$\Delta E_{ab}^* < 1$	0.17
	8	≥ 82.0	11	≤ 15	$\Delta E_{ab}^* < 1$	0.18
	10	≥ 81.5	10	≤ 15	$\Delta E_{ab}^* < 1$	0.18

Ultra Clear Low-E						
Single Pane Monolithic	Thickness (mm)	Transmissivity LT (%)	Reflectivity LR (%)	Resistance (Ω/\square)	Color Uniformity ΔE_{ab}^*	Emissivity
Ultra Clear Low-E	4	≥ 85.0	10	≤ 14	$\Delta E_{ab}^* < 1$	0.17
	5	≥ 84.5	11	≤ 14	$\Delta E_{ab}^* < 1$	0.17
	6	≥ 84.0	11	≤ 15	$\Delta E_{ab}^* < 1$	0.17
	8	≥ 83.5	10	≤ 15	$\Delta E_{ab}^* < 1$	0.18
	10	≥ 83.0	10	≤ 15	$\Delta E_{ab}^* < 1$	0.18

Sunshade Type Low-E (Tea Color)						
Single Pane Monolithic	Thickness (mm)	Transmissivity LT (%)	Reflectivity LR (%)	U-Value	Color Uniformity ΔE_{ab}^*	Emissivity
Sunshade Type Low-E (Tea Color)	5	43.00	34	4.0	$\Delta E_{ab}^* < 1$	0.25
	6	42.50	34	4.0	$\Delta E_{ab}^* < 1$	0.25

Sunshade Type Low-E (Tea Color)						
Single Pane Monolithic	Thickness (mm)	Transmissivity LT (%)	Reflectivity LR (%)	U-Value	Color Uniformity ΔE_{ab}^*	Emissivity
Sunshade Type Low-E (Tea Color)	5	43.00	34	4.0	$\Delta E_{ab}^* < 1$	0.25
	6	42.50	34	4.0	$\Delta E_{ab}^* < 1$	0.25

Optical and Thermal Parameters for Regular Clear Low E Glass										
Single glazing Coating in Pos.2	Thickness (mm)	Visible light			Solar Energy		U-Value ($W/m^2 \cdot K$)		Solar Heat Gain Coeff SHGC	Shading Coefficient SC
		Transmissivity T(%)	Reflectivity R(%)		Transmissivity T(%)	Reflectivity R(%)	Winter	Summer		
Standard Clear Low E	4	83.0	9	11	72.0	12	3.7	2.8	0.75	0.86
	5	83.5	10	11	71.5	12	3.7	2.9	0.74	0.85
	6	82.5	10	11	70.0	10	3.7	2.8	0.71	0.82
	8	82.0	10	11	69.0	9	3.7	2.9	0.73	0.84
	10	81.5	9	10	66.0	8	3.7	2.8	0.71	0.81

Optical and Thermal Parameters for Ultra Low E in different thickness										
Single glazing Coating in Pos.2	Thickness (mm)	Visible light			Solar Energy		U-Value (W/m ² ·K)		Solar Heat Gain Coeff SHGC	Shading Coefficient SC
		Transmissivity T(%)	Reflectivity R(%)		Transmissivity T(%)	Reflectivity R(%)	Winter	Summer		
			Outside	Inside						
Ultra Clear Low E	4	85.0	10.0	11.0	76.0	12	3.7	2.8	0.89	0.95
	5	84.5	10.5	11.5	75.5	12	3.7	2.9	0.82	0.94
	6	84.0	10.5	11.5	75.0	10	3.7	2.9	0.8	0.93
	8	83.5	10.0	12.0	73.5	9	3.7	2.9	0.81	0.93
	10	83.0	9.0	10.0	71.0	8	3.7	2.8	0.8	0.93

Optical and Thermal Parameters for Sunshade Type Low E Glass in different thickness										
Single glazing Coating in Pos.2	Thickness (mm)	Visible light			Solar Energy		U-Value (W/m ² ·K)		Solar Heat Gain Coeff SHGC	Shading Coefficient SC
		Transmissivity T(%)	Reflectivity R(%)		Transmissivity T(%)	Reflectivity R(%)	Winter	Summer		
			Outside	Inside						
Sunshade Type Low-E (Tea Color)	5	43.0	24.0	35.0	44.5	27	4.0	3.2	≤0.5	0.6
	6	42.5	24.0	35.0	44.0	27	4.0	3.2	≤0.5	0.6

Optical and Thermal Parameters for High Mirror Low E (Platinum) Glass in different thickness										
Single glazing Coating in Pos.2	Thickness (mm)	Visible light			Solar Energy		U-Value (W/m ² ·K)		Solar Heat Gain Coeff SHGC	Shading Coefficient SC
		Transmissivity T(%)	Reflectivity R(%)		Transmissivity T(%)	Reflectivity R(%)	Winter	Summer		
			Outside	Inside						
High Mirror Low-E (Platinum)	5	23.5	65.0	73.0	33.5	58	5.8	5.2	≤0.35	0.4
	6	23.0	65.0	73.0	33.0	58	5.8	5.2	≤0.35	0.4

(2) Performance index of hollow structure

Area	Structure	Dual insulation Glass IGU with tinted	U-Value (W/m ² ·K)	Solar Heat Gain Coeff SHGC	Shading Coefficient SC	Visible light projection ratio T%	Solar energy projection ratio T%
Cold Area	High permeability hollow combination	5mm Clear+12A+5mm Clear	2.7	0.75	0.86	81	69
		5mm Clear+12A+5mm Low-E	1.9	0.71	0.82	75	59
		5mm Clear+12Ar+5mm Low-E	1.6	0.72	0.82	75	59
		6mm Clear+12A+6mm Clear	2.7	0.74	0.85	80	67
		6mm Clear+12A+6mm Low-E	1.9	0.7	0.8	75	57
		6mm Clear+12Ar+6mm Low-E	1.6	0.7	0.81	75	57
		6mm Low-E+12A+6mm Low-E	1.7	0.62	0.7	70	50
		6mm Low-E+12Ar+6mm Low-E	1.4	0.62	0.71	70	50
		6mm Ultra clear+12A+6mm Ultra Low-E	1.9	0.77	0.88	77	74
		6mm Ultra Low-E+12A+6mm Ultra Low-E	1.7	0.73	0.84	73	70
Cold winter Hot summer	Sunshade Combination	5mm Grey+12A+5mm Low-E	1.9	0.5	0.57	43	38
		5mm Grey+12Ar+5mm Low-E	1.6	0.49	0.57	43	38
		5mm Grey 2+12A+5mm Low-E	1.9	0.48	0.55	42	36

Area	Structure	Dual insulation Glass IGU with tinted	U-Value (W/m ² ·K)	Solar Heat Gain Coeff SHGC	Shading Coefficient SC	Visible light projection ratio T%	Solar energy projection ratio T%
Cold winter Hot summer	Sunshade Combination	5mm Grey 2+12Ar+5mm Low-E	1.6	0.48	0.55	42	36
		5mm Grey tea+12A+5mm Low-E	1.9	0.46	0.53	40	35
		5mm Grey tea+12Ar+5mm Low-E	1.6	0.46	0.53	39	35
		5mm Gold tea+12A+5mm Low-E	1.9	0.44	0.5	37	32
		5mm Gold tea+12Ar+5mm Low-E	1.6	0.43	0.5	37	32
Cold winter Hot summer	Sunshade Combination	6mm Europe Grey+12A+6mmLow-E	1.9	0.44	0.51	38	33
		6mm Europe Grey+12Ar+6mm	1.6	0.44	0.51	38	33
		6mm Grey 2+12A+6mmLow-E	1.9	0.45	0.52	38	34
		6mm Grey 2+12Ar+6mm	1.6	0.45	0.52	38	34
		6mm Grey tea+12A+6mm	1.9	0.45	0.51	32	33
		6mm Grey tea+12Ar+6mm	1.6	0.44	0.51	32	33
		6mm Gold tea+12A+6mm	1.9	0.4	0.46	32	28
		6mm Gold tea+12Ar+6mm	1.6	0.39	0.45	32	28
Cold winter Hot summer	Sunshade Combination	6mm sunshade Low-E(goldtea)+12A+6mm clear	2	0.45	0.49	0.41	0.38
		6mm Sunshade Low-E(goldtea)+12A+6mm Low-E	1.8	0.4	0.46	0.36	0.32
	High Sunshade	6mm Sun-E Grey+12A+6mm Low-E	1.9	0.32	0.37	23	23

Ar=Argon Gas

Note

1. Data in tables are test results and not performance guarantees.

(3) Product adaptation area

For insulation Glass

Energy Performance Grade	U-Value (W/m ² ·K)	Shading Coefficient SC	Visible light projection ratio T%	Zone of application	Our glass		
					On line High transparency Low-E	On line sunshade Low-E	High mirror glass (platinum)
A	≤1.5	-	≥40.0	Severe Cold Region			
B	≤2.0	-		Colder Climates	√	√	
C	≤2.3	≤0.70		Warm Climates		√	
D	-	≤0.50		Hot Climates		√	√

View Exterior

