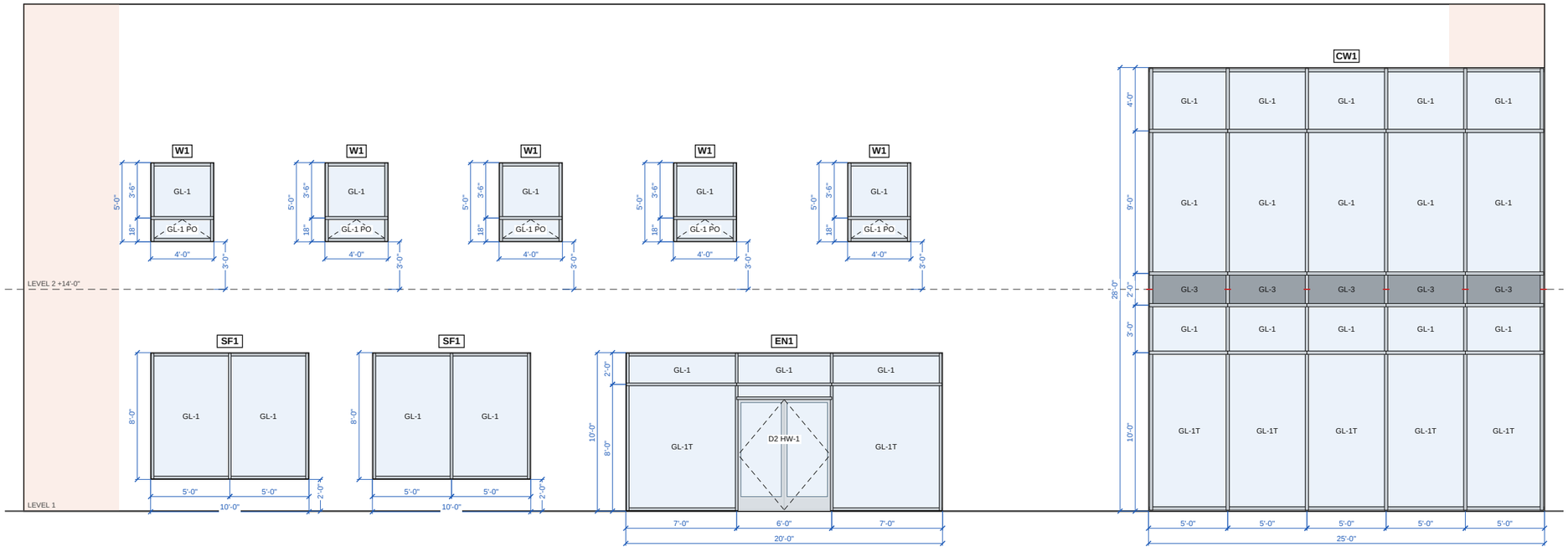


1 **KEY PLAN**

SCALE: Not to scale



2 **WALL 1 (SOUTH, FRONT)**

SCALE: 1/8" = 1'-0"

PREPARED BY

PROJECT

Sample Medical Office, 2 stories
Client: Sample Health Partners
100 Sample Way

NOTICE

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REVISIONS

REV	DATE	DESCRIPTION
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11/11/2026

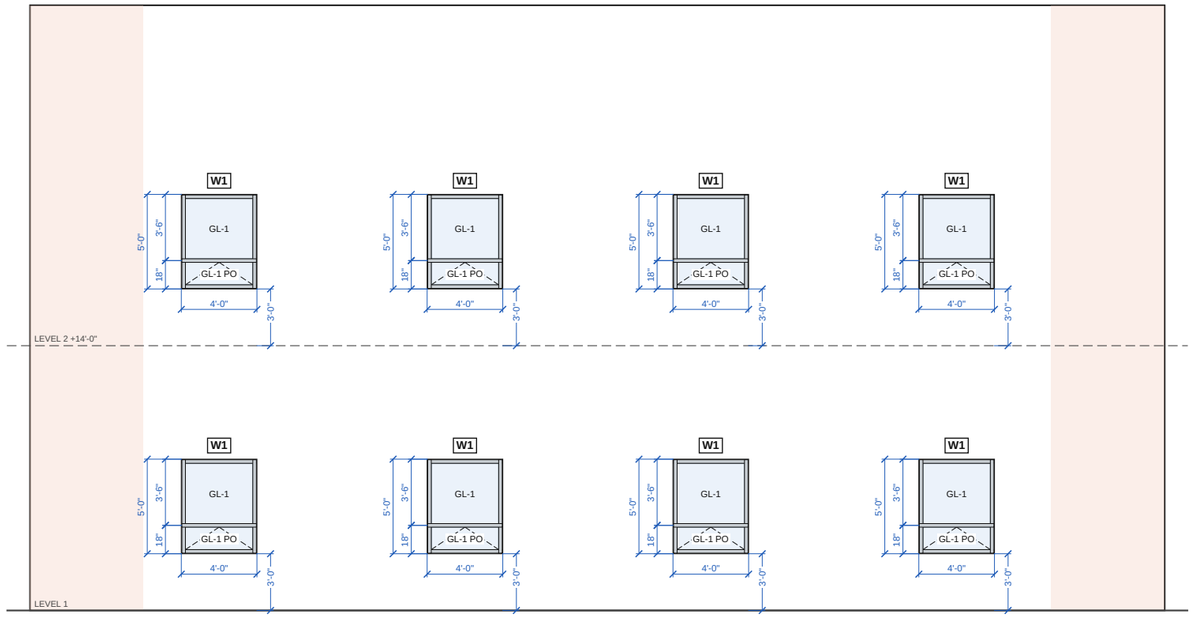
SCALE
1/8" = 1'-0"

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
ELEVATIONS

A8-1



1 WALL 2 (EAST)

SCALE: 1/8" = 1'-0"

PREPARED BY

PROJECT

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100 Sample Way

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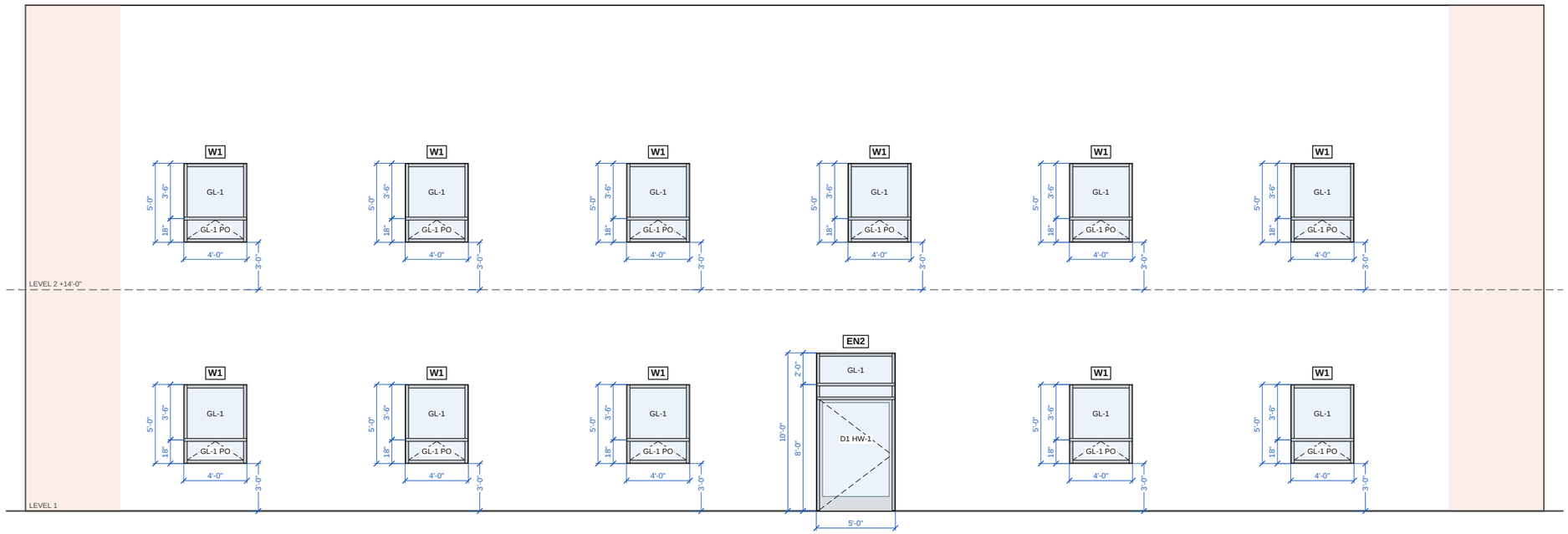
SCALE
1/8" = 1'-0"

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
ELEVATIONS

A8-2



1 WALL 3 (NORTH)

SCALE: 1/8" = 1'-0"

PREPARED BY

PROJECT

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100 Sample Way

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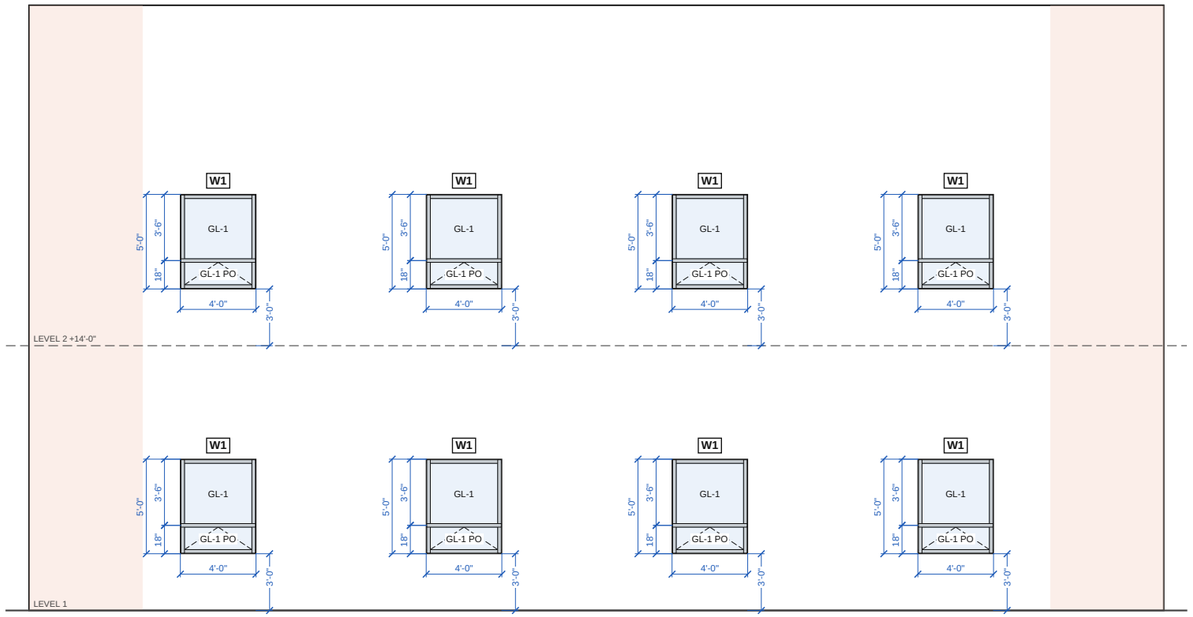
SCALE
1/8" = 1'-0"

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

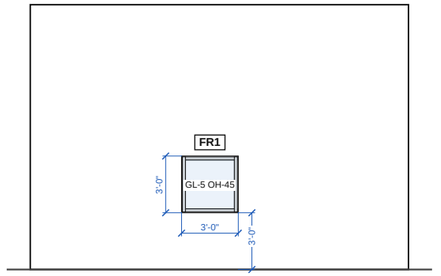
SHEET TITLE
ELEVATIONS

A8-3



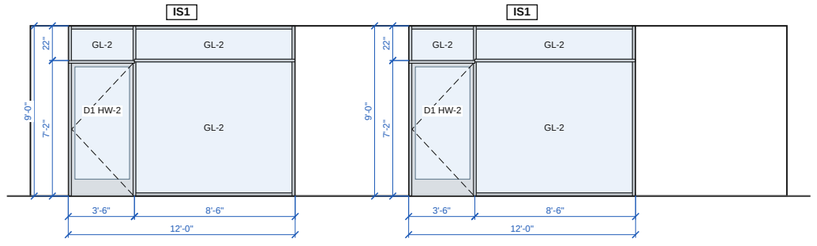
1 WALL 4 (WEST)

SCALE: 1/8" = 1'-0"



2 STAIR 1 WALL (INTERIOR, 1 H FIRE PARTITION)

SCALE: 1/8" = 1'-0"



3 LEVEL 2 OFFICE FRONTS (INTERIOR)

SCALE: 1/8" = 1'-0"

PREPARED BY

PROJECT

Sample Medical Office, 2 stories
Client: Sample Health Partners
100 Sample Way

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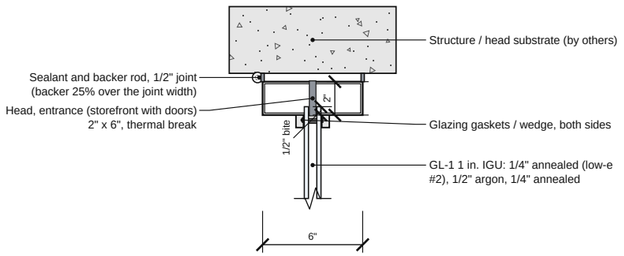
SCALE
1/8" = 1'-0"

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

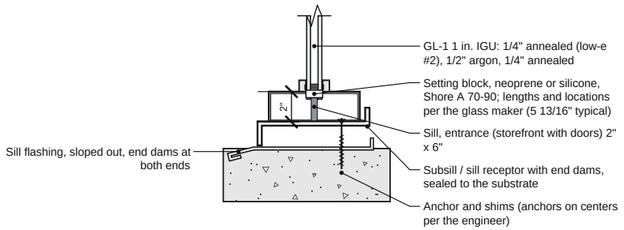
SHEET TITLE
ELEVATIONS

A8-4



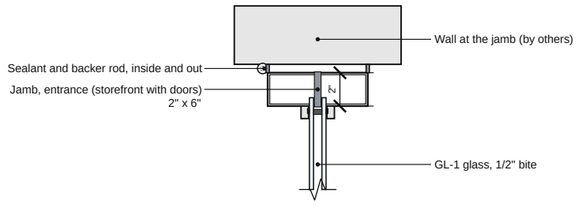
1 HEAD: ENTRANCE FRAMING, 2 X 6 THERMALLY BROKEN NTS

REF: 08 41 13 (verify against your project manual); UFGS 08 41 13; IBC 2021 2403.3



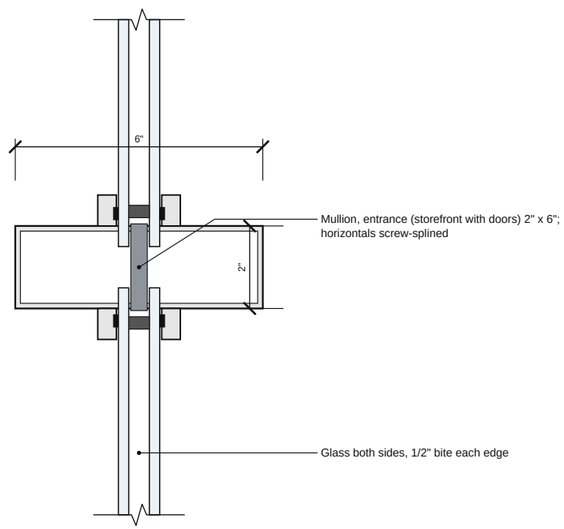
2 SILL: ENTRANCE FRAMING, 2 X 6 THERMALLY BROKEN NTS

REF: 08 41 13 (verify against your project manual); UFGS 08 41 13; IBC 2021 2403.3; UFGS 08 81 00 (setting blocks)



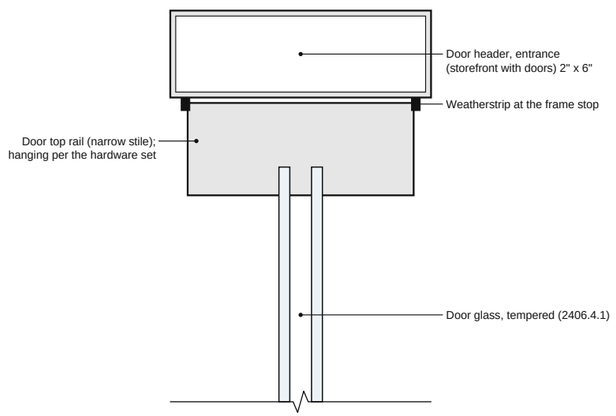
3 JAMB AND INTERMEDIATE VERTICAL: ENTRANCE FRAMING, 2 X 6 TH~ NTS

REF: 08 41 13 (verify against your project manual); UFGS 08 41 13; IBC 2021 2403.3



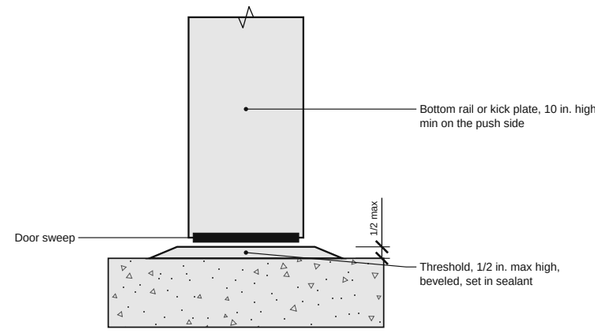
4 INTERMEDIATE VERTICAL AND HORIZONTAL: ENTRANCE FRAMING, 2~ NTS

REF: 08 41 13 (verify against your project manual); UFGS 08 41 13; IBC 2021 2403.3



5 DOOR HEAD AND JAMB: ENTRANCE FRAMING, 2 X 6 THERMALLY BR~ NTS

REF: 08 41 13 (verify against your project manual); ADA 2010 404.2.5, 404.2.10



6 DOOR THRESHOLD: ENTRANCE FRAMING, 2 X 6 THERMALLY BROKEN NTS

REF: ADA 2010 404.2.5; ADA 2010 404.2.10

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

PROJECT

Sample Medical Office, 2 stories
Client: Sample Health Partners
100 Sample Way

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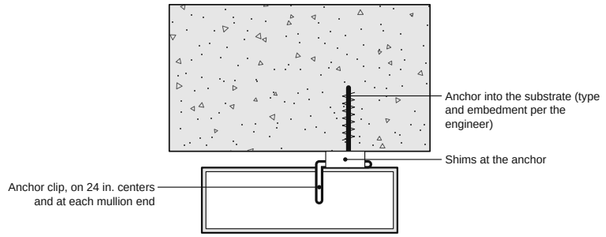
SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

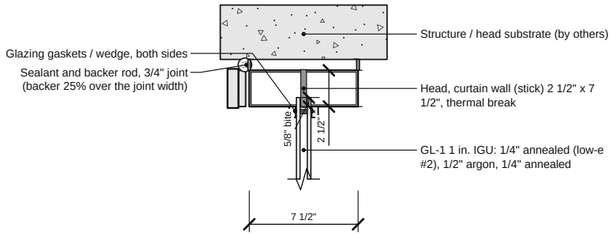
SHEET TITLE
SECTIONS

A8-5



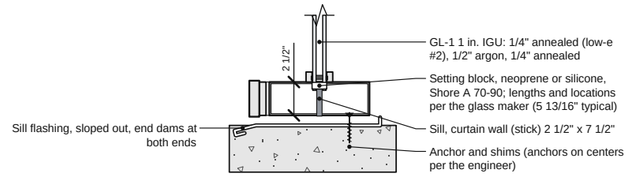
7 **PERIMETER ANCHOR: ENTRANCE FRAMING, 2 X 6 THERMALLY BROK~** NTS

REF: the delegated-design engineer; 08 41 13 (verify against your project manual)



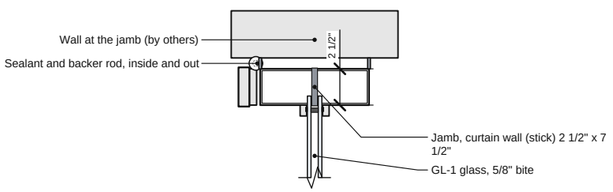
8 **HEAD: CURTAIN WALL, 2 1/2 X 7 1/2 PRESSURE PLATE** NTS

REF: 08 44 13 (verify against your project manual); VA 08 44 13; IBC 2021 2403.3



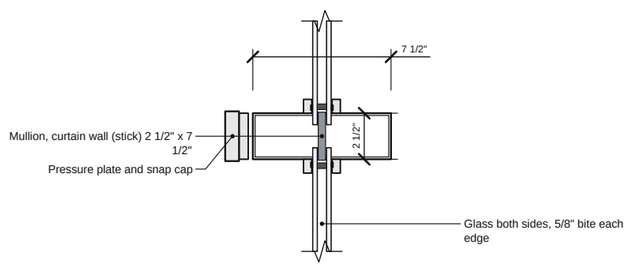
9 **SILL: CURTAIN WALL, 2 1/2 X 7 1/2 PRESSURE PLATE** NTS

REF: 08 44 13 (verify against your project manual); VA 08 44 13; IBC 2021 2403.3; UFGS 08 81 00 (setting blocks)



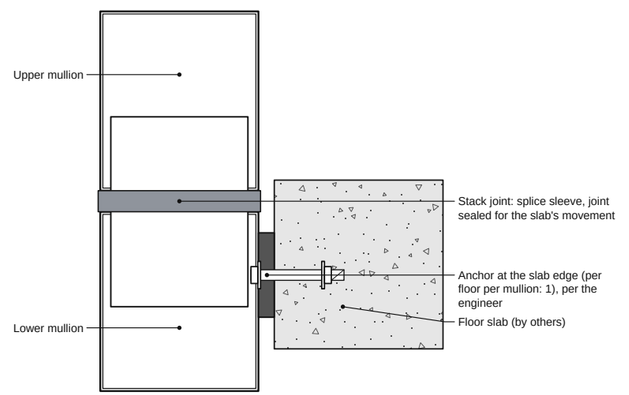
10 **JAMB AND INTERMEDIATE VERTICAL: CURTAIN WALL, 2 1/2 X 7 1/2 P~** NTS

REF: 08 44 13 (verify against your project manual); VA 08 44 13; IBC 2021 2403.3



11 **INTERMEDIATE VERTICAL AND HORIZONTAL: CURTAIN WALL, 2 1/2 X~** NTS

REF: 08 44 13 (verify against your project manual); VA 08 44 13; IBC 2021 2403.3



12 **STACK JOINT AT THE FLOOR LINE: CURTAIN WALL, 2 1/2 X 7 1/2 PRE~** NTS

REF: 08 44 13 (verify against your project manual); VA 08 44 13; IBC 2021 2403.3; VA 08 44 13

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

PROJECT

Sample Medical Office, 2 stories
Client: Sample Health Partners
100 Sample Way

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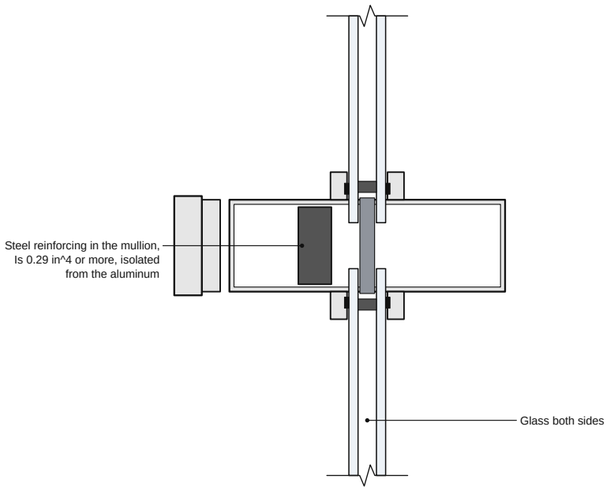
SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

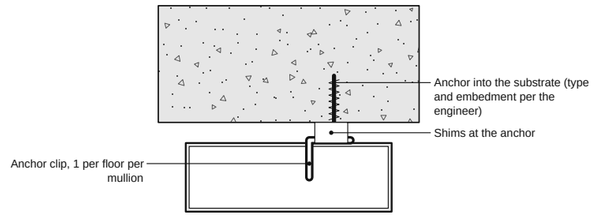
SHEET TITLE
SECTIONS

A8-6



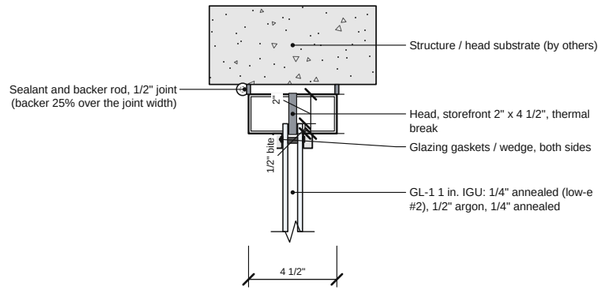
13 **STEEL-REINFORCED MULLION: CURTAIN WALL, 2 1/2 X 7 1/2 PRESSU~** NTS

REF: IBC 2021 2403.3; the engineer's calculations



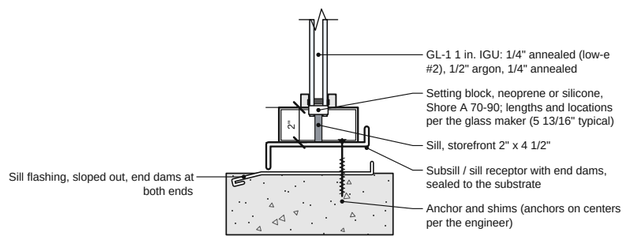
14 **PERIMETER ANCHOR: CURTAIN WALL, 2 1/2 X 7 1/2 PRESSURE PLATE** NTS

REF: the delegated-design engineer; 08 44 13 (verify against your project manual)



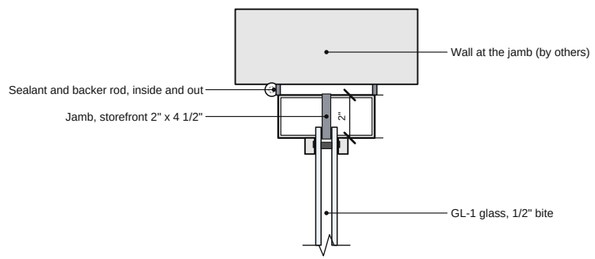
15 **HEAD: STOREFRONT, 2 X 4 1/2 THERMALLY BROKEN** NTS

REF: 08 41 13 (verify against your project manual); UFGS 08 41 13; IBC 2021 2403.3



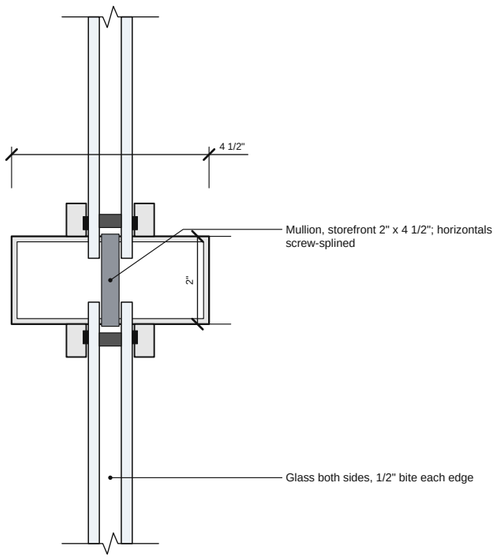
16 **SILL: STOREFRONT, 2 X 4 1/2 THERMALLY BROKEN** NTS

REF: 08 41 13 (verify against your project manual); UFGS 08 41 13; IBC 2021 2403.3; UFGS 08 81 00 (setting blocks)



17 **JAMB AND INTERMEDIATE VERTICAL: STOREFRONT, 2 X 4 1/2 THERM~** NTS

REF: 08 41 13 (verify against your project manual); UFGS 08 41 13; IBC 2021 2403.3



18 **INTERMEDIATE VERTICAL: STOREFRONT, 2 X 4 1/2 THERMALLY BRO~** NTS

REF: 08 41 13 (verify against your project manual); UFGS 08 41 13; IBC 2021 2403.3

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

PROJECT

Sample Medical Office, 2 stories
Client: Sample Health Partners
100 Sample Way

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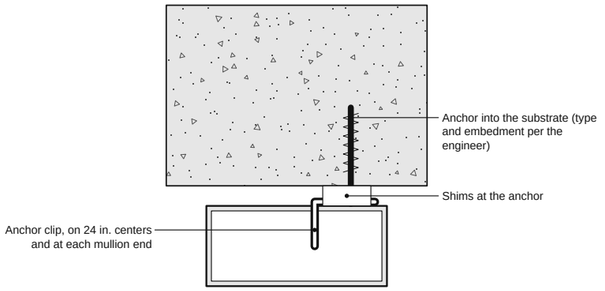
SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

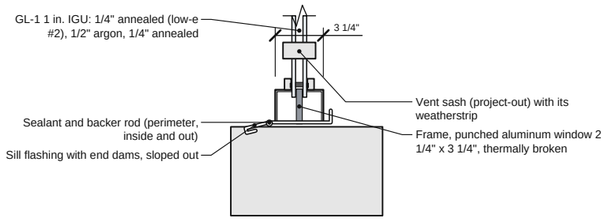
SHEET TITLE
SECTIONS

A8-7



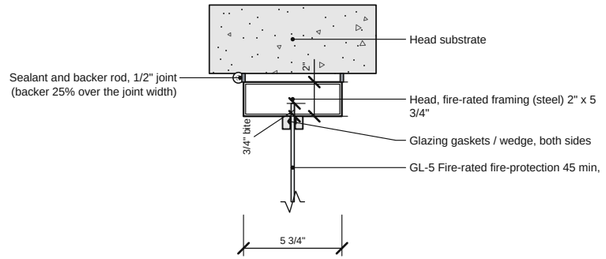
19 **PERIMETER ANCHOR: STOREFRONT, 2 X 4 1/2 THERMALLY BROKEN** NTS

REF: the delegated-design engineer; 08 41 13 (verify against your project manual)



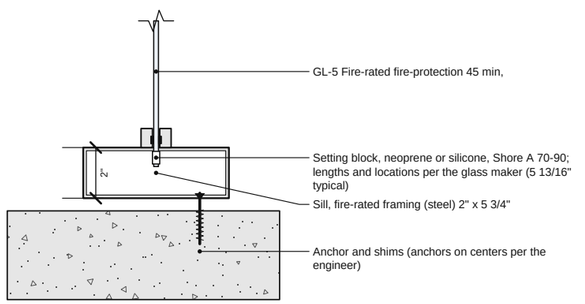
20 **PUNCHED WINDOW SILL AND VENT: PUNCHED ALUMINUM WINDOW, ~** NTS

REF: 08 51 13 (verify against your project manual); IBC 2021 2406.4



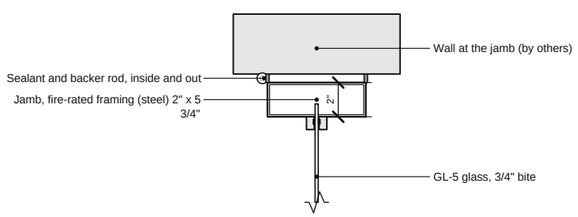
21 **HEAD: FIRE-RATED STEEL FRAMING, 45 MIN** NTS

REF: 08 88 13 (verify against your project manual); UFGS 08 81 00; IBC 2021 2403.3



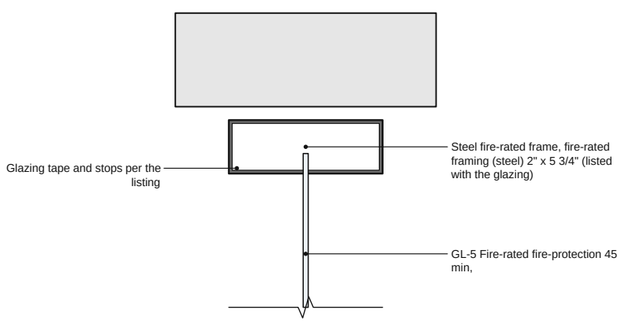
22 **SILL: FIRE-RATED STEEL FRAMING, 45 MIN** NTS

REF: 08 88 13 (verify against your project manual); UFGS 08 81 00; IBC 2021 2403.3; UFGS 08 81 00 (setting blocks)



23 **JAMB: FIRE-RATED STEEL FRAMING, 45 MIN** NTS

REF: 08 88 13 (verify against your project manual); UFGS 08 81 00; IBC 2021 2403.3



24 **FIRE-RATED FRAME: FIRE-RATED STEEL FRAMING, 45 MIN** NTS

REF: IBC 2021 716 (the listing governs)

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

PROJECT

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100 Sample Way

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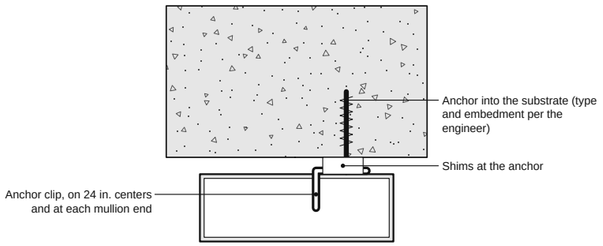
SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

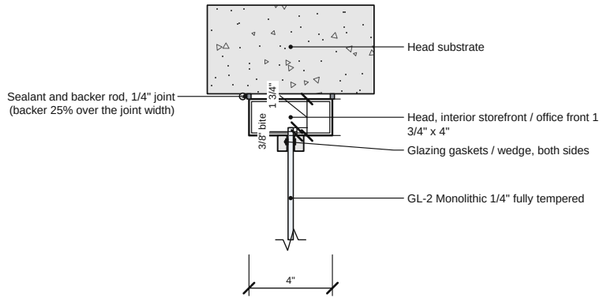
SHEET TITLE
SECTIONS

A8-8



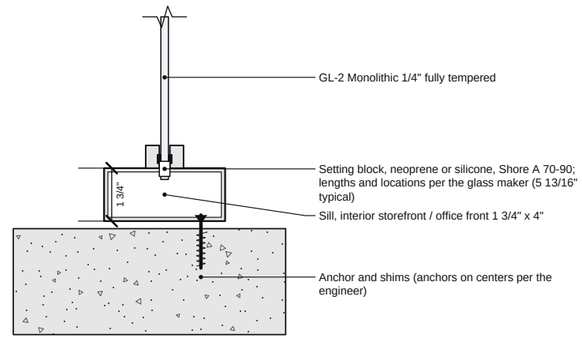
25 **PERIMETER ANCHOR: FIRE-RATED STEEL FRAMING, 45 MIN** NTS

REF: the delegated-design engineer; 08 88 13 (verify against your project manual)



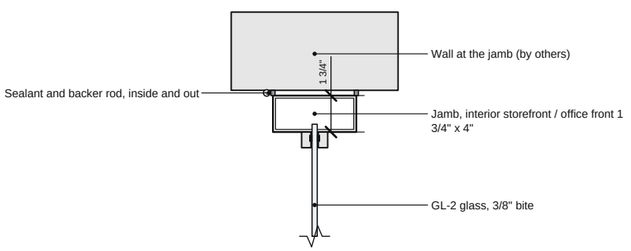
26 **HEAD: INTERIOR STOREFRONT, 1 3/4 X 4 (OFFICE FRONTS)** NTS

REF: 08 41 13 (verify against your project manual); UFGS 08 41 13; IBC 2021 2403.3



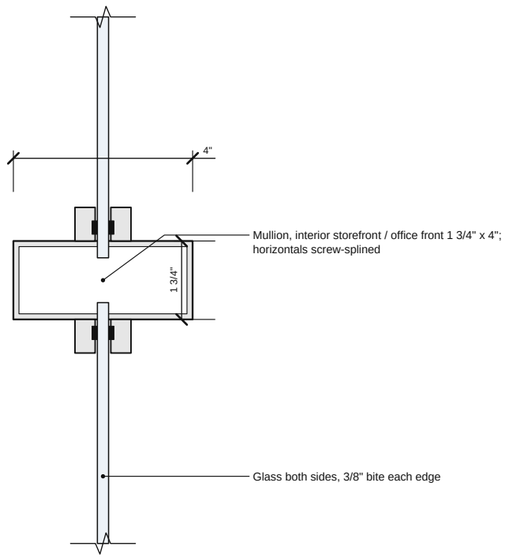
27 **SILL: INTERIOR STOREFRONT, 1 3/4 X 4 (OFFICE FRONTS)** NTS

REF: 08 41 13 (verify against your project manual); UFGS 08 41 13; IBC 2021 2403.3; UFGS 08 81 00 (setting blocks)



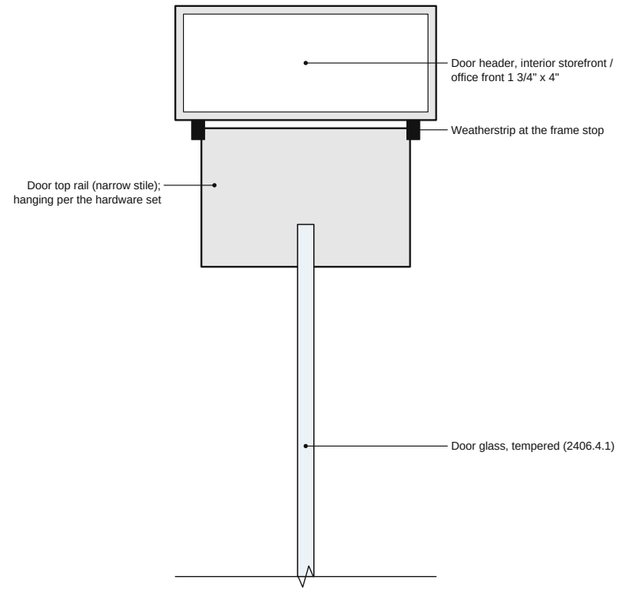
28 **JAMB AND INTERMEDIATE VERTICAL: INTERIOR STOREFRONT, 1 3/4 ~** NTS

REF: 08 41 13 (verify against your project manual); UFGS 08 41 13; IBC 2021 2403.3



29 **INTERMEDIATE VERTICAL AND HORIZONTAL: INTERIOR STOREFRON~** NTS

REF: 08 41 13 (verify against your project manual); UFGS 08 41 13; IBC 2021 2403.3



30 **DOOR HEAD AND JAMB: INTERIOR STOREFRONT, 1 3/4 X 4 (OFFICE F~** NTS

REF: 08 41 13 (verify against your project manual); ADA 2010 404.2.5, 404.2.10

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

PROJECT

Sample Medical Office, 2 stories
Client: Sample Health Partners
100 Sample Way

NOTICE

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REVISIONS

REV	DATE	DESCRIPTION
0	11/11/2026	Issued for review

DATE
11/11/2026

SCALE
NTS

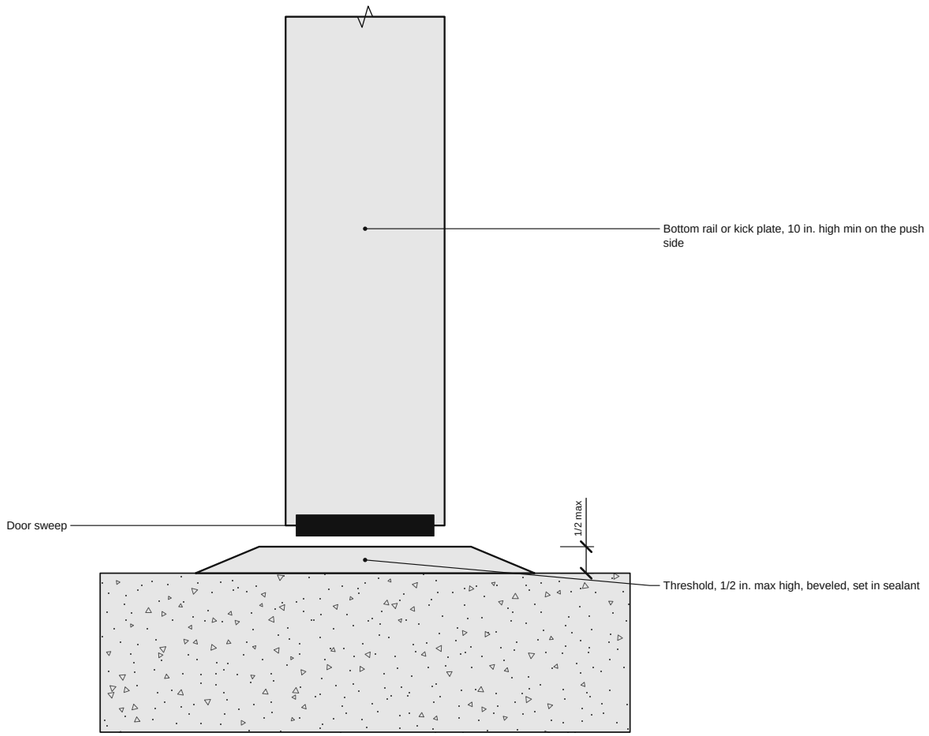
DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
SECTIONS

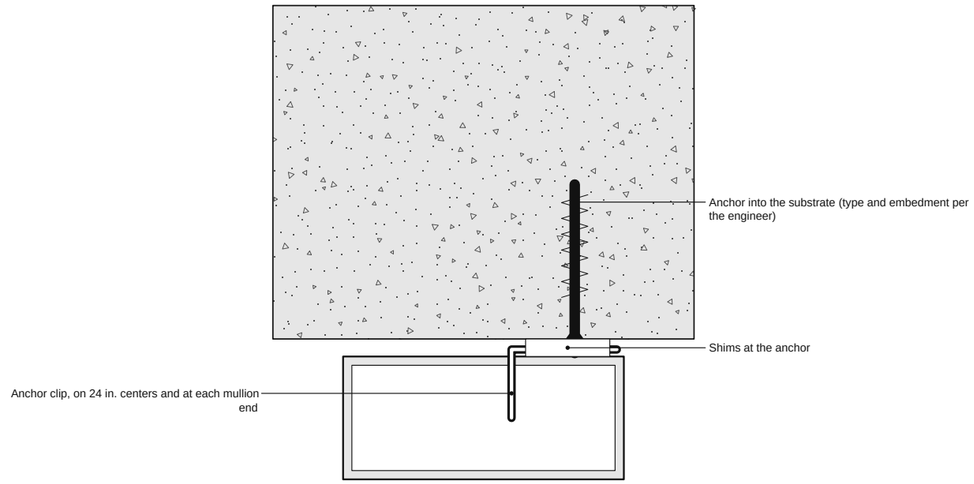
A8-9

SHEET 9 OF 17



31 **DOOR THRESHOLD: INTERIOR STOREFRONT, 1 3/4 X 4 (OFFICE FRONTS)** NTS

REF: ADA 2010 404.2.5; ADA 2010 404.2.10



32 **PERIMETER ANCHOR: INTERIOR STOREFRONT, 1 3/4 X 4 (OFFICE FRONTS)** NTS

REF: the delegated-design engineer; 08 41 13 (verify against your project manual)

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SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
SECTIONS

A8-10

OPENING SCHEDULE

TAG	QTY	SYSTEM	ROUGH OPENING	FRAME	BAYS	LITES	DOORS	SILL AFF	WHERE
EN1	1	Entrance framing, 2 x 6 thermally broken	20'-0" x 10'-0"	19'-11" x 9'-11"	3	6	2	0"	Wall 1 (south, front)
CW1	1	Curtain wall, 2 1/2 x 7 1/2 pressure plate	25'-0" x 28'-0"	24'-10 1/2" x 27'-10 1/2"	5	25	0	0"	Wall 1 (south, front)
SF1	2	Storefront, 2 x 4 1/2 thermally broken	10'-0" x 8'-0"	9'-11" x 7'-11"	2	2	0	2'-0"	Wall 1 (south, front)
W1	32	Punched aluminum window, thermally broken	4'-0" x 5'-0"	3'-11 1/4" x 4'-11 1/4"	1	2	0	3'-0"	Wall 1 (south, front)
EN2	1	Entrance framing, 2 x 6 thermally broken	5'-0" x 10'-0"	4'-11" x 9'-11"	1	2	1	0"	Wall 3 (north)
FR1	1	Fire-rated steel framing, 45 min	3'-0" x 3'-0"	2'-11" x 2'-11"	1	1	0	3'-0"	Stair 1 wall (interior, 1 h fire partition)
IS1	2	Interior storefront, 1 3/4 x 4 (office fronts)	12'-0" x 9'-0"	11'-11 1/2" x 8'-11 1/2"	2	3	1	0"	Level 2 office fronts (interior)

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SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
OPENING SCHEDULE

A8-11

GLASS SCHEDULE AND ORDER LIST (SIZED FROM DLO + BITE; T = TEMPERED)

TAG	MAKEUP	SIZE (W x H)	QTY	SF	LB EACH	OPENINGS
GL-1T	1 in. IGU: 1/4" fully tempered (low-e #2), 1/2" argon, 1/4" fully tempered	81 1/2" x 93 1/2"	2	105.8	347	EN1
GL-1T	1 in. IGU: 1/4" fully tempered (low-e #2), 1/2" argon, 1/4" fully tempered	58 3/4" x 116 3/4"	3	142.9	312	CW1
GL-1T	1 in. IGU: 1/4" fully tempered (low-e #2), 1/2" argon, 1/4" fully tempered	56 3/4" x 116 3/4"	2	92	301	CW1
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	58 3/4" x 106 3/4"	3	130.7	285	CW1
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	56 3/4" x 106 3/4"	2	84.1	276	CW1
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	57 1/2" x 92"	4	146.9	241	SF1
GL-1T	1 in. IGU: 1/4" fully tempered (low-e #2), 1/2" argon, 1/4" fully tempered (door)	51 1/2" x 72 1/4"	1	25.8	169	EN2
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	58 3/4" x 44 3/4"	3	54.8	120	CW1
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	56 3/4" x 44 3/4"	2	35.3	116	CW1
GL-1T	1 in. IGU: 1/4" fully tempered (low-e #2), 1/2" argon, 1/4" fully tempered (door)	31 9/16" x 72 1/4"	2	31.7	104	EN1
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	58 3/4" x 34 3/4"	3	42.5	93	CW1
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	56 3/4" x 34 3/4"	2	27.4	90	CW1
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	81 1/2" x 21 1/2"	2	24.3	80	EN1
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	43 3/4" x 39 1/4"	32	381.6	78	W1
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	71" x 21 1/2"	1	10.6	69	EN1
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	56" x 21 1/2"	1	8.4	55	EN2
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	71" x 9 1/2"	1	4.7	31	EN1
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	43 3/4" x 15 1/4"	32	148.3	30	W1
GL-1	1 in. IGU: 1/4" annealed (low-e #2), 1/2" argon, 1/4" annealed	56" x 9 1/2"	1	3.7	24	EN2
GL-2	Monolithic 1/4" fully tempered	99 7/8" x 83 7/8"	2	116.3	191	IS1
GL-2	Monolithic 1/4" fully tempered (door)	35 5/8" x 72 1/4"	2	35.7	59	IS1
GL-2	Monolithic 1/4" fully tempered	99 7/8" x 19 7/8"	2	27.6	45	IS1
GL-2	Monolithic 1/4" fully tempered	39 7/8" x 20 3/4"	2	11.5	19	IS1
GL-3	Spandrel 1/4" heat-strengthened, ceramic frit / opacifier (spandrel)	58 3/4" x 22 3/4"	3	27.8	30	CW1
GL-3	Spandrel 1/4" heat-strengthened, ceramic frit / opacifier (spandrel)	56 3/4" x 22 3/4"	2	17.9	29	CW1
GL-5	Fire-rated fire-protection 45 min,	32 1/2" x 32 1/2"	1	7.3	18	FR1
TOTAL				1746	10629 lb	

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SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
GLASS SCHEDULE

A8-12

DOOR AND HARDWARE SCHEDULE

DOOR	TYPE	LEAF	CLEAR	SWING	SET	HARDWARE
EN1-D2	Pair, narrow stile	2 @ 2'-10 7/8" x 6'-11 3/8"	33 1/16"	Out	HW-1	Offset pivots (top, bottom, intermediate), Surface closer, Exit device (rim), Pull and push bar set, Threshold, 1/2 in. max, beveled, Sweep, Weatherstrip at the frame
EN2-D1	Single, narrow stile	4'-6 3/4" x 6'-11 3/8"	53"	Out, hinge R	HW-1	Offset pivots (top, bottom, intermediate), Surface closer, Exit device (rim), Pull and push bar set, Threshold, 1/2 in. max, beveled, Sweep, Weatherstrip at the frame
IS1-D1	Single, narrow stile	3'-2 7/8" x 6'-11 3/8"	37 1/8"	In, hinge L	HW-2	Butt hinges (1 1/2 pair), Surface closer, Deadlock with thumbturn, Offset pull

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ANSI B (11" x 17")

SHEET TITLE
DOOR AND HARDWARE SCHEDULE

A8-13

MEMBERS AND CUT LIST (STOCK 24'-0"), BUY LIST

SYSTEM	MEMBER	LF	PCS	BARS	CUT LIST (QTY @ LENGTH)
Entrance framing, 2 x 6 thermally broken	Head	24.8	2	2	1 @ 239", 1 @ 59"
Entrance framing, 2 x 6 thermally broken	Sill	13.9	2	1	2 @ 83 1/2"
Entrance framing, 2 x 6 thermally broken	Jamb	19.8	2	1	2 @ 119"
Entrance framing, 2 x 6 thermally broken	Intermediate horizontal	24.8	4	2	2 @ 83 1/2", 1 @ 72", 1 @ 59"
Entrance framing, 2 x 6 thermally broken	Door header	10.9	2	1	1 @ 72", 1 @ 59"
Entrance framing, 2 x 6 thermally broken	Door jamb	39.7	4	2	4 @ 119"
Curtain wall, 2 1/2 x 7 1/2 pressure plate	Head	24.9	1	2	1 @ 298 1/2"
Curtain wall, 2 1/2 x 7 1/2 pressure plate	Sill	24.9	5	2	3 @ 60", 2 @ 59 1/4"
Curtain wall, 2 1/2 x 7 1/2 pressure plate	Jamb	55.8	4	4	4 @ 167 1/4"
Curtain wall, 2 1/2 x 7 1/2 pressure plate	Intermediate vertical	111.5	8	8	8 @ 167 1/4"
Curtain wall, 2 1/2 x 7 1/2 pressure plate	Intermediate horizontal	99.5	20	5	12 @ 60", 8 @ 59 1/4"
Storefront, 2 x 4 1/2 thermally broken	Head	19.8	2	1	2 @ 119"
Storefront, 2 x 4 1/2 thermally broken	Sill	19.8	4	1	4 @ 59 1/2"
Storefront, 2 x 4 1/2 thermally broken	Jamb	31.7	4	2	4 @ 95"
Storefront, 2 x 4 1/2 thermally broken	Intermediate vertical	15.8	2	1	2 @ 95"
Fire-rated steel framing, 45 min	Head	2.9	1	1	1 @ 35"
Fire-rated steel framing, 45 min	Sill	2.9	1	1	1 @ 35"
Fire-rated steel framing, 45 min	Jamb	5.8	2	1	2 @ 35"
Interior storefront, 1 3/4 x 4 (office fronts)	Head	23.9	2	1	2 @ 143 1/2"
Interior storefront, 1 3/4 x 4 (office fronts)	Sill	17	2	1	2 @ 101 3/4"
Interior storefront, 1 3/4 x 4 (office fronts)	Jamb	17.9	2	1	2 @ 107 1/2"
Interior storefront, 1 3/4 x 4 (office fronts)	Intermediate horizontal	17	2	1	2 @ 101 3/4"
Interior storefront, 1 3/4 x 4 (office fronts)	Door header	7	2	1	2 @ 41 3/4"
Interior storefront, 1 3/4 x 4 (office fronts)	Door jamb	35.8	4	2	4 @ 107 1/2"

BUY LIST (GENERIC PRODUCTS AT THE CONTRACTOR'S PRICES; INSTALL HOURS)

GROUP	ITEM	QTY	EACH	MATERIAL	HOURS
Frame by member	Entrance framing, 2 x 6 thermally broken: head (2 pcs, 2 x 24'-0" stock)	24.83 LF	$16	$397	3
Frame by member	Entrance framing, 2 x 6 thermally broken: sill (2 pcs, 1 x 24'-0" stock)	13.92 LF	$18	$256	1.7
Frame by member	Entrance framing, 2 x 6 thermally broken: jamb (2 pcs, 1 x 24'-0" stock)	19.83 LF	$16	$317	2.4
Frame by member	Entrance framing, 2 x 6 thermally broken: intermediate horizontal (4 pcs, 2 x 24'-0" stock)	24.83 LF	$16	$397	3
Frame by member	Entrance framing, 2 x 6 thermally broken: door header (2 pcs, 1 x 24'-0" stock)	10.92 LF	$21	$227	1.3
Frame by member	Entrance framing, 2 x 6 thermally broken: door jamb (4 pcs, 2 x 24'-0" stock)	39.67 LF	$22	$889	4.8
Frame by member	Curtain wall, 2 1/2 x 7 1/2 pressure plate: head (1 pcs, 2 x 24'-0" stock)	24.88 LF	$32	$796	5.5
Frame by member	Curtain wall, 2 1/2 x 7 1/2 pressure plate: sill (5 pcs, 2 x 24'-0" stock)	24.88 LF	$37	$916	5.5
Frame by member	Curtain wall, 2 1/2 x 7 1/2 pressure plate: jamb (4 pcs, 4 x 24'-0" stock)	55.75 LF	$32	$1,784	12.3
Frame by member	Curtain wall, 2 1/2 x 7 1/2 pressure plate: intermediate vertical (8 pcs, 8 x 24'-0" stock)	111.5 LF	$34	$3,746	24.5
Frame by member	Curtain wall, 2 1/2 x 7 1/2 pressure plate: intermediate horizontal (20 pcs, 5 x 24'-0" stock)	99.5 LF	$32	$3,184	21.9
Frame by member	Storefront, 2 x 4 1/2 thermally broken: head (2 pcs, 1 x 24'-0" stock)	19.83 LF	$16	$317	2.4
Frame by member	Storefront, 2 x 4 1/2 thermally broken: sill (4 pcs, 1 x 24'-0" stock)	19.83 LF	$18	$365	2.4
Frame by member	Storefront, 2 x 4 1/2 thermally broken: jamb (4 pcs, 2 x 24'-0" stock)	31.67 LF	$16	$507	3.8
Frame by member	Storefront, 2 x 4 1/2 thermally broken: intermediate vertical (2 pcs, 1 x 24'-0" stock)	15.83 LF	$17	$266	1.9
Frame by member	Fire-rated steel framing, 45 min: head (1 pcs, 1 x 24'-0" stock)	2.92 LF	$60	$175	0.7
Frame by member	Fire-rated steel framing, 45 min: sill (1 pcs, 1 x 24'-0" stock)	2.92 LF	$69	$201	0.7
Frame by member	Fire-rated steel framing, 45 min: jamb (2 pcs, 1 x 24'-0" stock)	5.83 LF	$60	$350	1.5
Frame by member	Interior storefront, 1 3/4 x 4 (office fronts): head (2 pcs, 1 x 24'-0" stock)	23.92 LF	$12	$287	2.4
Frame by member	Interior storefront, 1 3/4 x 4 (office fronts): sill (2 pcs, 1 x 24'-0" stock)	16.96 LF	$14	$234	1.7
Frame by member	Interior storefront, 1 3/4 x 4 (office fronts): jamb (2 pcs, 1 x 24'-0" stock)	17.92 LF	$12	$215	1.8
Frame by member	Interior storefront, 1 3/4 x 4 (office fronts): intermediate horizontal (2 pcs, 1 x 24'-0" stock)	16.96 LF	$12	$204	1.7
Frame by member	Interior storefront, 1 3/4 x 4 (office fronts): door header (2 pcs, 1 x 24'-0" stock)	6.96 LF	$16	$109	0.7
Frame by member	Interior storefront, 1 3/4 x 4 (office fronts): door jamb (4 pcs, 2 x 24'-0" stock)	35.83 LF	$17	$602	3.6
Frame by member	Stack joints at the floor lines (curtain wall)	6 each	$45	$270	3
Glass by makeup	GL-1T 1 in. insulating glass, low-e #2, argon (tempered: hazardous locations)	340.76 sf	$22	$7,326	0
Glass by makeup	GL-1 1 in. insulating glass, low-e #2, argon	1103.23 sf	$18	$19,858	0
Glass by makeup	GL-2 1/4 in. clear tempered	155.41 sf	$9	$1,399	0
Glass by makeup	Set glass: lites 48 to 80 sf	4 lite	$0	$0	8
Glass by makeup	Set glass: lites 12 to 24 sf	14 lite	$0	$0	9.8
Glass by makeup	Set glass: lites up to 12 sf	11 lite	$0	$0	4.4
Glass by makeup	Set glass: lites 24 to 48 sf	14 lite	$0	$0	16.8
Doors & hardware	Narrow stile door leaf (aluminum, glazed)	5 leaf	$1,250	$6,250	15
Doors & hardware	HW-1 hardware set (pair): Offset pivots (top, bottom, intermediate), Surface closer, Exit device (rim), Pull and push bar set, Threshold, 1/2 in. max, beveled, Sweep, Weatherstrip at the frame	1 set	$3,135	$3,135	1.5
Doors & hardware	HW-1 hardware set: Offset pivots (top, bottom, intermediate), Surface closer, Exit device (rim), Pull and push bar set, Threshold, 1/2 in. max, beveled, Sweep, Weatherstrip at the frame	1 set	$1,635	$1,635	1.5
Doors & hardware	HW-2 hardware set: Butt hinges (1 1/2 pair), Surface closer, Deadlock with thumbturn, Offset pull	2 set	$630	$1,260	3
Doors & hardware	Door glass GL-1 (tempered)	57.51 sf	$22	$1,236	2.9
Doors & hardware	Door glass GL-2 (tempered)	35.75 sf	$9	$322	1.8
Sealant, flashing & anchors	Sill flashing / sill receptor with end dams	184.63 LF	$9	$1,662	9.2
Sealant, flashing & anchors	End dams	72 each	$12	$864	7.2

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SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
MEMBERS AND BUY LIST

A8-14

SHEET 14 OF 17

MEMBERS AND CUT LIST (STOCK 24'-0"), BUY LIST

GROUP	ITEM	QTY	EACH	MATERIAL	HOURS
Sealant, flashing & anchors	Subsill (storefront)	33.75 LF	$11	$371	1.4
Sealant, flashing & anchors	Anchors and shims	607 each	$7	$4,006	72.8
Sealant, flashing & anchors	Setting blocks (5 13/16" long typical; per the glass maker)	226 each	$2	$339	4.5
Sealant, flashing & anchors	Edge blocks	216 each	$1	$216	0
Sealant, flashing & anchors	Glazing gaskets	3477.29 LF	$1	$2,956	34.8
Sealant, flashing & anchors	Perimeter sealant, exterior	940 LF	$2	$1,692	37.6
Sealant, flashing & anchors	Perimeter sealant, interior	940 LF	$2	$1,692	37.6
Sealant, flashing & anchors	Backer rod (25% over the joint width)	940 LF	$0	$235	0
Spandrel	Spandrel glass GL-3	45.78 sf	$38	$1,740	0
Sealant, flashing & anchors	Steel mullion reinforcing (where the deflection check needs it)	13.94 LF	$22	$307	2.1
Windows per unit	W1 punched aluminum window, thermally broken 4'-0" x 5'-0", project-out vent	32 each	$1,690	$54,080	70.4
Fire-rated	Fire-rated framing fire-rated steel framing, 45 min (per sf of opening)	9 sf	$95	$855	4.5
Fire-rated	Fire-rated glazing GL-5 Fire-protection-rated ceramic, 45 min	7.34 sf	$95	$697	0.6
Interior items	Mirror (sf) (MR-1)	24 sf	$18	$432	2.9
Equipment	Glass vacuum lifter (lites over 100 lb)	3 day	$350	$1,050	0
Equipment	Lift (work above 12'-0")	6 day	$450	$2,700	0
Engineering	Delegated design: engineering and calculations (professional engineer)	1 job	$4,500	$4,500	0
Field testing	Field water test (ASTM E1105)	3 each	$1,200	$3,600	6
TOTAL	Priced from the itemized takeoff			$143,426	470.2

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SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
MEMBERS AND BUY LIST

A8-15

CHECKS AND NOTES

RESULT	WHAT	CHECK	SOURCE
CHECKS AND FLAGS, NOT AN ENGINEERED DESIGN			
NOTE	EN1 lite 1.1	Hazardous location (2406.4.2: within 24 in. of a door edge, bottom edge 2 1/2" above the floor (under 60 in.); 2406.4.3: pane over 9 sf (51.7 sf), bottom under 18 in., top over 36 in., a walking surface within 36 in.): glazed tempered (GL-1T on the glass schedule).	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
NOTE	EN1 lite 3.1	Hazardous location (2406.4.2: within 24 in. of a door edge, bottom edge 2 1/2" above the floor (under 60 in.); 2406.4.3: pane over 9 sf (51.7 sf), bottom under 18 in., top over 36 in., a walking surface within 36 in.): glazed tempered (GL-1T on the glass schedule).	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
NOTE	CW1 lite 1.1	Hazardous location (2406.4.3: pane over 9 sf (44.5 sf), bottom under 18 in., top over 36 in., a walking surface within 36 in.): glazed tempered (GL-1T on the glass schedule).	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
NOTE	CW1 lite 2.1	Hazardous location (2406.4.3: pane over 9 sf (46.1 sf), bottom under 18 in., top over 36 in., a walking surface within 36 in.): glazed tempered (GL-1T on the glass schedule).	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
NOTE	CW1 lite 3.1	Hazardous location (2406.4.3: pane over 9 sf (46.1 sf), bottom under 18 in., top over 36 in., a walking surface within 36 in.): glazed tempered (GL-1T on the glass schedule).	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
NOTE	CW1 lite 4.1	Hazardous location (2406.4.3: pane over 9 sf (46.1 sf), bottom under 18 in., top over 36 in., a walking surface within 36 in.): glazed tempered (GL-1T on the glass schedule).	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
NOTE	CW1 lite 5.1	Hazardous location (2406.4.3: pane over 9 sf (44.5 sf), bottom under 18 in., top over 36 in., a walking surface within 36 in.): glazed tempered (GL-1T on the glass schedule).	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
NOTE	EN1 door 2L	Hazardous location (2406.4.1: glazing in a door): glazed tempered (GL-1T on the glass schedule).	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
NOTE	EN1 door 2R	Hazardous location (2406.4.1: glazing in a door): glazed tempered (GL-1T on the glass schedule).	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
NOTE	EN2 door 1	Hazardous location (2406.4.1: glazing in a door): glazed tempered (GL-1T on the glass schedule).	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
NOTE	Wind	Zone 5 (corners) a = 6'-0": 10% of the least horizontal dimension (60'-0") or 0.4h (h 32'-0"), the smaller, not under 4% or 3 ft. Design pressures: zone 4 15 psf, zone 5 20 psf (the engineer's or the drawings' components and cladding values; ASCE 7 is not computed here).	ASCE 7-16 ch. 30 wall zones 4 and 5 as stated in Miami-Dade BORA interpretation "Wind Load Table for Openings in Walls" (1/22/2021), as the Roofing & Siding Designer's commercial cladding uses them
NOTE	CW1	1 of 6 vertical members over the limit without reinforcing; worst span 13'-11 1/4", zone 5 at 20 psf, 4'-11 5/8" tributary: deflection 1.04 in. vs 0.95 in. (L/240 + 1/4 in.). 1 take steel reinforcing (Is 0.29 in^4 or more, added to the takeoff). Member properties are the maker's data (typical here).	IBC 2021 2403.3 (framing: glass edge deflection 1/175 of the edge length up to 13 ft 6 in., 1/240 + 1/4 in. above); ASCE 7-16 ch. 30 wall zones 4 and 5 as stated in Miami-Dade BORA interpretation "Wind Load Table for Openings in Walls" (1/22/2021), as the Roofing & Siding Designer's commercial cladding uses them
NOTE	GL-1	Glass thickness per ASTM E1300 by the glass supplier (2404.1): largest lite 81 1/2" x 93 1/2" at 15 psf.	IBC 2021 2404.1 (vertical glass: wind loads per 1609 for components and cladding; load resistance per ASTM E1300)
NOTE	GL-3	Glass thickness per ASTM E1300 by the glass supplier (2404.1): largest lite 58 3/4" x 22 3/4" at 15 psf.	IBC 2021 2404.1 (vertical glass: wind loads per 1609 for components and cladding; load resistance per ASTM E1300)
NOTE	Doors	Maneuvering clearances (404.2.4), opening force (5 lbf max on interior doors, 404.2.9) and closing speed (5 s min from 90 to 12 degrees, 404.2.8.1): set on site and on the floor plan; not drawn here.	2010 ADA Standards 404.2 (as reproduced on corada.com/documents/2010ADAStandards/404-2, read 11/5/2026)
OK	FR1 lite 1.1	Safety glazing (2406.4.6): GL-5 qualifies	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
OK	IS1 lite 2.1	Safety glazing (2406.4.2, 2406.4.3): GL-2 qualifies	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
OK	IS1 door 1	Safety glazing (2406.4.1): GL-2 qualifies	IBC 2021 2406.4 (hazardous locations) and 2406.2 (impact test categories)
OK	EN1	Mullions: worst span 9'-11", zone 4 at 15 psf, 6'-5 3/4" tributary: deflection 0.5 in. vs 0.68 in. (L/175).	IBC 2021 2403.3 (framing: glass edge deflection 1/175 of the edge length up to 13 ft 6 in., 1/240 + 1/4 in. above); ASCE 7-16 ch. 30 wall zones 4 and 5 as stated in Miami-Dade BORA interpretation "Wind Load Table for Openings in Walls" (1/22/2021), as the Roofing & Siding Designer's commercial cladding uses them
OK	SF1	Mullions: worst span 7'-11", zone 4 at 15 psf, 4'-11 1/2" tributary: deflection 0.25 in. vs 0.54 in. (L/175).	IBC 2021 2403.3 (framing: glass edge deflection 1/175 of the edge length up to 13 ft 6 in., 1/240 + 1/4 in. above); ASCE 7-16 ch. 30 wall zones 4 and 5 as stated in Miami-Dade BORA interpretation "Wind Load Table for Openings in Walls" (1/22/2021), as the Roofing & Siding Designer's commercial cladding uses them
OK	W1	Mullions: worst span 4'-11 1/4", zone 4 at 15 psf, 23 5/8" tributary: deflection 0.03 in. vs 0.34 in. (L/175).	IBC 2021 2403.3 (framing: glass edge deflection 1/175 of the edge length up to 13 ft 6 in., 1/240 + 1/4 in. above); ASCE 7-16 ch. 30 wall zones 4 and 5 as stated in Miami-Dade BORA interpretation "Wind Load Table for Openings in Walls" (1/22/2021), as the Roofing & Siding Designer's commercial cladding uses them
OK	EN2	Mullions: worst span 9'-11", zone 4 at 15 psf, 2'-5 1/2" tributary: deflection 0.19 in. vs 0.68 in. (L/175).	IBC 2021 2403.3 (framing: glass edge deflection 1/175 of the edge length up to 13 ft 6 in., 1/240 + 1/4 in. above); ASCE 7-16 ch. 30 wall zones 4 and 5 as stated in Miami-Dade BORA interpretation "Wind Load Table for Openings in Walls" (1/22/2021), as the Roofing & Siding Designer's commercial cladding uses them
OK	EN1 door 2L	Clear width (the active leaf) 33 1/16"	ADA 2010 404.2.3
OK	EN1 door 2L	Hardware height 38"	ADA 2010 404.2.7
OK	EN1 door 2L	Threshold 1/2"	ADA 2010 404.2.5
OK	EN1 door 2L	Push side, bottom 10 in.: a 10 in. bottom rail or kick plate	ADA 2010 404.2.10
OK	EN1 door 2L	Vision lite: bottom of the glass 11" above the floor	ADA 2010 404.2.11
OK	EN1 door 2R	Push side, bottom 10 in.: a 10 in. bottom rail or kick plate	ADA 2010 404.2.10
OK	EN1 door 2R	Vision lite: bottom of the glass 11" above the floor	ADA 2010 404.2.11
OK	EN2 door 1	Clear width 53"	ADA 2010 404.2.3
OK	EN2 door 1	Hardware height 38"	ADA 2010 404.2.7
OK	EN2 door 1	Threshold 1/2"	ADA 2010 404.2.5
OK	EN2 door 1	Push side, bottom 10 in.: a 10 in. bottom rail or kick plate	ADA 2010 404.2.10
OK	EN2 door 1	Vision lite: bottom of the glass 11" above the floor	ADA 2010 404.2.11
OK	IS1 door 1	Clear width 37 1/8"	ADA 2010 404.2.3
OK	IS1 door 1	Hardware height 38"	ADA 2010 404.2.7
OK	IS1 door 1	Threshold 1/2"	ADA 2010 404.2.5
OK	IS1 door 1	Push side, bottom 10 in.: a 10 in. bottom rail or kick plate	ADA 2010 404.2.10
OK	IS1 door 1	Vision lite: bottom of the glass 10 3/4" above the floor	ADA 2010 404.2.11
OK	Energy	Vertical fenestration 1750 sf of 9984 sf gross exterior wall: 17.5% vs 30% (C402.4.1; 40% with daylight responsive controls in zones 0-6, C402.4.1.1)	IECC 2021 Table C402.4 read in the code (codes.iccsafe.org, 11/6/2026): vertical fenestration U-factor (fixed, operable, entrance doors) and SHGC by the projection factor (under 0.2, 0.2 to under 0.5, 0.5 and over), skylight U and SHGC (zones 7 and 8 no SHGC requirement); C402.4.1 30% of the gross above-grade wall and 3% of the gross roof, C402.4.1.1 40% with daylight responsive controls in zones 0-6, C402.4.1.2 skylights 6% with controls in toplit zones. The U-factors match the 2019 NGA presentation used before; its zone 0 SHGC (0.22 / 0.20) is 0.23 / 0.21 in the code. Every value stays editable: verify against your adopted energy code
OK	Entrance framing, 2 x 6 thermally broken	U-factor 0.34 vs 0.34 max (fixed, climate zone 6)	IECC 2021 Table C402.4 read in the code (codes.iccsafe.org, 11/6/2026): vertical fenestration U-factor (fixed, operable, entrance doors) and SHGC by the projection factor (under 0.2, 0.2 to under 0.5, 0.5 and over), skylight U and SHGC (zones 7 and 8 no SHGC requirement); C402.4.1 30% of the gross above-grade wall and 3% of the gross roof, C402.4.1.1 40% with daylight responsive controls in zones 0-6, C402.4.1.2 skylights 6% with controls in toplit zones. The U-factors match the 2019 NGA presentation used before; its zone 0 SHGC (0.22 / 0.20) is 0.23 / 0.21 in the code. Every value stays editable: verify against your adopted energy code
OK	Entrance framing, 2 x 6 thermally broken	SHGC 0.27 vs 0.38 max (fixed, PF under 0.2, climate zone 6)	IECC 2021 Table C402.4 read in the code (codes.iccsafe.org, 11/6/2026): vertical fenestration U-factor (fixed, operable, entrance doors) and SHGC by the projection factor (under 0.2, 0.2 to under 0.5, 0.5 and over), skylight U and SHGC (zones 7 and 8 no SHGC requirement); C402.4.1 30% of the gross above-grade wall and 3% of the gross roof, C402.4.1.1 40% with daylight responsive controls in zones 0-6, C402.4.1.2 skylights 6% with controls in toplit zones. The U-factors match the 2019 NGA presentation used before; its zone 0 SHGC (0.22 / 0.20) is 0.23 / 0.21 in the code. Every value stays editable: verify against your adopted energy code

PREPARED BY

PROJECT

Sample Medical Office, 2 stories
Client: Sample Health Partners
100 Sample Way

NOTICE

CHECKS AND LAYOUT ONLY. NOT AN ENGINEERED DESIGN.
Glass per ASTM E1300 by the glass supplier; anchors and reinforcing by the delegated-design engineer. The checks flag the code sections named; they are not a certification or a plan review. Verify in the field; install per the makers' instructions.

REVISIONS

REV	DATE	DESCRIPTION
0	11/11/2026	Issued for review

DATE
11/11/2026

SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
CHECKS AND NOTES

A8-16

CHECKS AND NOTES

RESULT	WHAT	CHECK	SOURCE
OK	Entrance framing, 2 x 6 thermally broken	Entrance door U-factor 0.6 vs 0.63 max	IECC 2021 Table C402.4 read in the code (codes.iccsafe.org, 11/6/2026): vertical fenestration U-factor (fixed, operable, entrance doors) and SHGC by the projection factor (under 0.2, 0.2 to under 0.5, 0.5 and over), skylight U and SHGC (zones 7 and 8 no SHGC requirement); C402.4.1 30% of the gross above-grade wall and 3% of the gross roof, C402.4.1.1 40% with daylight responsive controls in zones 0-6, C402.4.1.2 skylights 6% with controls in toplit zones. The U-factors match the 2019 NGA presentation used before; its zone 0 SHGC (0.22 / 0.20) is 0.23 / 0.21 in the code. Every value stays editable: verify against your adopted energy code
OK	Curtain wall, 2 1/2 x 7 1/2 pressure plate	U-factor 0.28 vs 0.34 max (fixed, climate zone 6)	IECC 2021 Table C402.4 read in the code (codes.iccsafe.org, 11/6/2026): vertical fenestration U-factor (fixed, operable, entrance doors) and SHGC by the projection factor (under 0.2, 0.2 to under 0.5, 0.5 and over), skylight U and SHGC (zones 7 and 8 no SHGC requirement); C402.4.1 30% of the gross above-grade wall and 3% of the gross roof, C402.4.1.1 40% with daylight responsive controls in zones 0-6, C402.4.1.2 skylights 6% with controls in toplit zones. The U-factors match the 2019 NGA presentation used before; its zone 0 SHGC (0.22 / 0.20) is 0.23 / 0.21 in the code. Every value stays editable: verify against your adopted energy code
OK	Curtain wall, 2 1/2 x 7 1/2 pressure plate	SHGC 0.27 vs 0.38 max (fixed, PF under 0.2, climate zone 6)	IECC 2021 Table C402.4 read in the code (codes.iccsafe.org, 11/6/2026): vertical fenestration U-factor (fixed, operable, entrance doors) and SHGC by the projection factor (under 0.2, 0.2 to under 0.5, 0.5 and over), skylight U and SHGC (zones 7 and 8 no SHGC requirement); C402.4.1 30% of the gross above-grade wall and 3% of the gross roof, C402.4.1.1 40% with daylight responsive controls in zones 0-6, C402.4.1.2 skylights 6% with controls in toplit zones. The U-factors match the 2019 NGA presentation used before; its zone 0 SHGC (0.22 / 0.20) is 0.23 / 0.21 in the code. Every value stays editable: verify against your adopted energy code
OK	Storefront, 2 x 4 1/2 thermally broken	U-factor 0.33 vs 0.34 max (fixed, climate zone 6)	IECC 2021 Table C402.4 read in the code (codes.iccsafe.org, 11/6/2026): vertical fenestration U-factor (fixed, operable, entrance doors) and SHGC by the projection factor (under 0.2, 0.2 to under 0.5, 0.5 and over), skylight U and SHGC (zones 7 and 8 no SHGC requirement); C402.4.1 30% of the gross above-grade wall and 3% of the gross roof, C402.4.1.1 40% with daylight responsive controls in zones 0-6, C402.4.1.2 skylights 6% with controls in toplit zones. The U-factors match the 2019 NGA presentation used before; its zone 0 SHGC (0.22 / 0.20) is 0.23 / 0.21 in the code. Every value stays editable: verify against your adopted energy code
OK	Storefront, 2 x 4 1/2 thermally broken	SHGC 0.27 vs 0.38 max (fixed, PF under 0.2, climate zone 6)	IECC 2021 Table C402.4 read in the code (codes.iccsafe.org, 11/6/2026): vertical fenestration U-factor (fixed, operable, entrance doors) and SHGC by the projection factor (under 0.2, 0.2 to under 0.5, 0.5 and over), skylight U and SHGC (zones 7 and 8 no SHGC requirement); C402.4.1 30% of the gross above-grade wall and 3% of the gross roof, C402.4.1.1 40% with daylight responsive controls in zones 0-6, C402.4.1.2 skylights 6% with controls in toplit zones. The U-factors match the 2019 NGA presentation used before; its zone 0 SHGC (0.22 / 0.20) is 0.23 / 0.21 in the code. Every value stays editable: verify against your adopted energy code
OK	Punched aluminum window, thermally broken	U-factor 0.34 vs 0.42 max (operable, climate zone 6)	IECC 2021 Table C402.4 read in the code (codes.iccsafe.org, 11/6/2026): vertical fenestration U-factor (fixed, operable, entrance doors) and SHGC by the projection factor (under 0.2, 0.2 to under 0.5, 0.5 and over), skylight U and SHGC (zones 7 and 8 no SHGC requirement); C402.4.1 30% of the gross above-grade wall and 3% of the gross roof, C402.4.1.1 40% with daylight responsive controls in zones 0-6, C402.4.1.2 skylights 6% with controls in toplit zones. The U-factors match the 2019 NGA presentation used before; its zone 0 SHGC (0.22 / 0.20) is 0.23 / 0.21 in the code. Every value stays editable: verify against your adopted energy code
OK	Punched aluminum window, thermally broken	SHGC 0.27 vs 0.34 max (operable, PF under 0.2, climate zone 6)	IECC 2021 Table C402.4 read in the code (codes.iccsafe.org, 11/6/2026): vertical fenestration U-factor (fixed, operable, entrance doors) and SHGC by the projection factor (under 0.2, 0.2 to under 0.5, 0.5 and over), skylight U and SHGC (zones 7 and 8 no SHGC requirement); C402.4.1 30% of the gross above-grade wall and 3% of the gross roof, C402.4.1.1 40% with daylight responsive controls in zones 0-6, C402.4.1.2 skylights 6% with controls in toplit zones. The U-factors match the 2019 NGA presentation used before; its zone 0 SHGC (0.22 / 0.20) is 0.23 / 0.21 in the code. Every value stays editable: verify against your adopted energy code
OK	FR1 lite 1.1	GL-5 fire-protection-rated 45 min vs 45 min required (Table 716.1(3), fire window); marking OH-45 (the table: OH-45 or W-60).	IBC 2021 716 read in the code (codes.iccsafe.org, 11/6/2026): Table 716.1(1) markings (W, FC, OH, D, H, T, XXX minutes); Table 716.1(2) fire doors, door vision panels (100 sq in. or the maximum size tested) and sidelights / transoms by the wall and its rating; Table 716.1(3) fire window ratings (fire walls and fire barriers: fire-resistance-rated glazing W-XXX only, except 3/4 h OH-45 in 1 h atrium, incidental use and mixed occupancy separations; fire partitions and smoke barriers 3/4 h, 1/3 h at 0.5 h; exterior walls 1 1/2, 3/4, 1/3 h); 716.1.2.2 marking; 716.1.2.2.4 higher-rated glazing permitted; 716.3.2.1.2 fire-protection-rated windows 25% of a common wall. Also summarized in ICC's "Protect Your Openings" session
OK	FR1 lite 1.1	Lite 6.7 sf vs 9 sf, the largest size its listing tested	IBC 2021 716 read in the code (codes.iccsafe.org, 11/6/2026): Table 716.1(1) markings (W, FC, OH, D, H, T, XXX minutes); Table 716.1(2) fire doors, door vision panels (100 sq in. or the maximum size tested) and sidelights / transoms by the wall and its rating; Table 716.1(3) fire window ratings (fire walls and fire barriers: fire-resistance-rated glazing W-XXX only, except 3/4 h OH-45 in 1 h atrium, incidental use and mixed occupancy separations; fire partitions and smoke barriers 3/4 h, 1/3 h at 0.5 h; exterior walls 1 1/2, 3/4, 1/3 h); 716.1.2.2 marking; 716.1.2.2.4 higher-rated glazing permitted; 716.3.2.1.2 fire-protection-rated windows 25% of a common wall. Also summarized in ICC's "Protect Your Openings" session
OK	Stair 1 wall (interior, 1 h fire partition)	Fire-protection-rated glazing 6.7 sf in a 280 sf rated wall: 2.4% vs 25% max of the common wall	IBC 2021 716 read in the code (codes.iccsafe.org, 11/6/2026): Table 716.1(1) markings (W, FC, OH, D, H, T, XXX minutes); Table 716.1(2) fire doors, door vision panels (100 sq in. or the maximum size tested) and sidelights / transoms by the wall and its rating; Table 716.1(3) fire window ratings (fire walls and fire barriers: fire-resistance-rated glazing W-XXX only, except 3/4 h OH-45 in 1 h atrium, incidental use and mixed occupancy separations; fire partitions and smoke barriers 3/4 h, 1/3 h at 0.5 h; exterior walls 1 1/2, 3/4, 1/3 h); 716.1.2.2 marking; 716.1.2.2.4 higher-rated glazing permitted; 716.3.2.1.2 fire-protection-rated windows 25% of a common wall. Also summarized in ICC's "Protect Your Openings" session

GENERAL NOTES

NO.	NOTE
1	Verify all openings, levels and dimensions in the field before fabrication. Rough openings and levels by others.
2	Generic systems: member sizes, stiffness and weights are the contractor's entries from the maker's data; install per the makers' instructions.
3	Glass sized from the daylight opening plus the bite each edge; thickness per ASTM E1300 by the glass supplier (IBC 2404.1). T = tempered: a hazardous location (IBC 2406.4). Safety glazing permanently marked (2406.3).
4	Mullion deflection checked against IBC 2403.3 (or the project spec) with the design pressures shown; anchors, reinforcing and connections by the delegated-design engineer.
5	Sill flashing with end dams; perimeter sealant inside and out with backer rod; setting blocks per the glass maker's written recommendations.
6	These are checks and a layout, not an engineered design: the engineer, the building department and the project documents govern.

PREPARED BY

PROJECT

Sample Medical Office, 2 stories
Client: Sample Health Partners
100 Sample Way

NOTICE

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Glass per ASTM E1300 by the glass supplier; anchors and reinforcing by the delegated-design engineer. The checks flag the code sections named; they are not a certification or a plan review. Verify in the field; install per the makers' instructions.

REVISIONS

REV	DATE	DESCRIPTION
0	11/11/2026	Issued for review

DATE
11/11/2026

SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
CHECKS AND NOTES

A8-17

SHEET 17 OF 17