EXTERIOR WALL CLADDING
SHOP DRAWING SUBMITTAL

Section 04 21 13, 05 40 00, 06 16 43, 07 21 00, 07 27 00, 07 42 13, 07 42 43, 07 46 46, 07 62 00, 07 92 00, 07 95 00

PROJECT	**Sample Office Building, 3 stories**
ADDRESS	
OWNER	**Sample Owner LLC**
ARCHITECT	
INTERIOR DESIGN	
GENERAL CONTRACTOR	
SUBMITTED BY	
SPEC SECTION	**04 21 13, 05 40 00, 06 16 43, 07 21 00, 07 27 00, 07 42 13, 07 42 43, 07 46 46, 07 62 00, 07 92 00, 07 95 00**
ITEM	
SUBMITTAL NO.	**revision 0**
DATE	**11/5/2026**

REVISIONS

REV 0 11/5/2026	**Issued for review (submittal)**

SHEET INDEX

R-0	Cover sheet and sheet index
R-1	Elevation W1
R-2	Elevation W2
R-3	Elevation W3
R-4	Elevation W4
R-5	Cladding systems
R-6	Wall assemblies
R-7	NFPA 285 flags
R-8	Panel cut list
R-9	Order list
R-10	Attachment by zone
R-11	Sealant joints
R-12	Trim and flashing
R-13	Access
R-14	Details

GENERAL NOTES

1. Verify all dimensions, levels and openings in the field. Report discrepancies to the architect and the general contractor.
2. NFPA 285 and wind-zone items are flagged for review; not a certification.
3. Structure, framing and relieving angles by others.
4. Nichiha is a trademark of its owner; BidRidge is not affiliated with or endorsed by Nichiha. Panel sizes per Nichiha's published installation guides; install per the maker's instructions.

NOT AN ENGINEERED DESIGN. Verify every dimension and condition in the field. The stamp areas are for the reviewers; the cladding contractor does not fill them in.

ARCHITECT / ENGINEER REVIEW STAMP
Reviewer's stamp area

CONTRACTOR'S REVIEW
Reviewed by / date

PREPARED BY

PROJECT
SAMPLE OFFICE BUILDING, 3 STORIES

OWNER
Sample Owner LLC

SPEC SECTION
04 21 13, 05 40 00, 06 16 43, 07 21 00, 07 27 00, 07 42 13, 07 42 43, 07 46 46, 07 62 00, 07 92 00, 07 95 00

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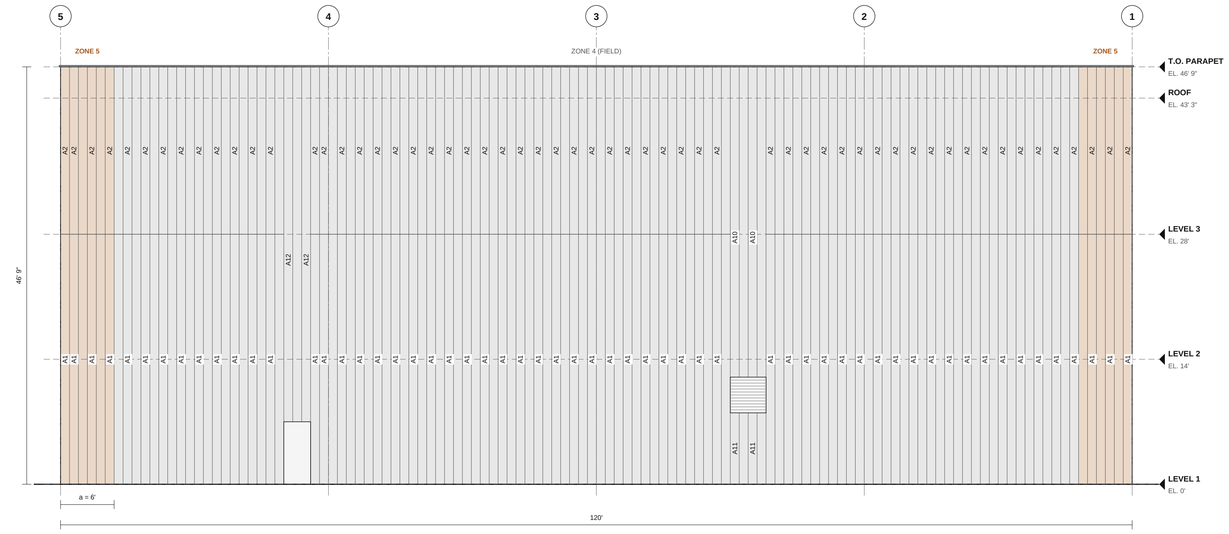
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DRAWN BY

SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
COVER SHEET AND SHEET INDEX

R-0



1 W1 NORTH WALL: PANEL LAYOUT
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. Field-verify all dimensions, levels and openings before fabrication. Panel sizes are the layout's; the fabricator confirms them from field measurements.
2. Wind zones: zone 5 (corners) a = 6' (10% of the least horizontal dimension or 0.4h, the smaller; not under 4% or 3 ft; ASCE 7-16 ch. 30 wall zones as stated in Miami-Dade BORA interpretation "Wind Load Table for Openings in Walls" (1/22/2021)). Attachment spacing per the cladding maker's tested attachment tables for the project's design pressures; past them, the engineer to confirm.
3. Continuous insulation R-values are nominal (thickness x R per inch).
4. NFPA 285: walls flagged on the assemblies sheet usually need a tested assembly (IBC 2021 1402.5, 1406.10, 1408.10, 2603.5). Flags; the design team confirms the tested assembly.
5. Install the cladding, membranes, flashings and sealants per their makers' installation instructions.
6. Nichiha is a trademark of its owner; BidRidge is not affiliated with or endorsed by Nichiha. Panel sizes per Nichiha's published installation guides.
7. Not an engineered design.

OPEN CHECKS (4) - RESOLVE OR VERIFY BEFORE FABRICATION

- WA-1: A combustible water-resistive barrier on a Type IIB building 46.8 ft tall (over 40 ft): the wall usually needs an NFPA 285 tested assembly, unless an exception of 1402.5 fits (the WRB the only combustible part under brick, concrete, stone, terra cotta, stucco or steel; or the WRB's fire-test limits). (IBC 2021 1402.5)
- WA-2: Polyiso (foil faced) (foam plastic insulation) on a Type IIB building: the exterior wall assembly usually needs an NFPA 285 tested assembly, at any height. Exceptions: a one-story building under 2603.4.1.4, or foam covered each face by 1 in. of masonry or concrete (2603.5.5). Match the assembly to a tested one with the maker. (IBC 2021 2603.5, 2603.5.5)
- WA-2: A combustible water-resistive barrier on a Type IIB building 46.8 ft tall (over 40 ft): the wall usually needs an NFPA 285 tested assembly, unless an exception of 1402.5 fits (the WRB the only combustible part under brick, concrete, stone, terra cotta, stucco or steel; or the WRB's fire-test limits). (IBC 2021 1402.5)
- ACM-1: MCM with a combustible core above 40 ft on a Type IIB building: the MCM system tested to NFPA 285 at its thickness (1406.10.3), plus its surface-burning and thermal-barrier rules. (IBC 2021 1406.10, 1406.10.3)

PRODUCT DATA AND SAMPLES

SPEC SECTION	PRODUCT	MANUFACTURER	DATA SHEET	SAMPLES	USED ON
06 16 43 Gypsum Sheathing	Glass-mat gypsum sheathing 5/8 in.	Per the specification	To attach	To be submitted	wall assemblies
07 27 00 Air Barriers	Fluid-applied air and water barrier	Per the specification	To attach	To be submitted	wall assemblies
07 27 00 Air Barriers	Self-adhered air and water barrier	Per the specification	To attach	To be submitted	wall assemblies
07 21 00 Thermal Insulation	Mineral wool board continuous insulation	Per the specification	To attach	To be submitted	wall assemblies
07 21 00 Thermal Insulation	Polyiso (foil faced) continuous insulation	Per the specification	To attach	To be submitted	wall assemblies
05 40 00 Cold-Formed Metal Framing	Thermal clips, girts and channels	Per the specification	To attach	To be submitted	subframing
07 42 13 Metal Wall Panels	MP-1 Metal panel (concealed fastener)	Per the specification	To attach	To be submitted	W1, W3, W4
07 42 43 Composite Wall Panels	ACM-1 ACM / MCM panel	Per the specification	To attach	To be submitted	W3
07 46 46 Fiber-Cement Siding	FC-1 Fiber cement panel 455 x 1818 mm (Nichiha AWP 1818 sizes) (Nichiha is a trademark of its owner; BidRidge is not affiliated with or endorsed by Nichiha.)	Per the specification	To attach	To be submitted	W2
04 21 13 Brick Masonry	TB-1 Thin brick	Per the specification	To attach	To be submitted	W3
07 62 00 Sheet Metal Flashing and Trim	Coping, counterflashing, through-wall and opening flashing	Per the specification	To attach	To be submitted	parapets, floor lines, openings
07 92 00 Joint Sealants	Joint sealant and closed-cell backer rod	Per the specification	To attach	To be submitted	J1, J2, J3, J4, J5, J6, J7, J8
07 95 00 Expansion Control	Expansion joint system	Per the specification	To attach	To be submitted	expansion joints

PREPARED BY

PROJECT
SAMPLE OFFICE BUILDING, 3 STORIES

OWNER
Sample Owner LLC

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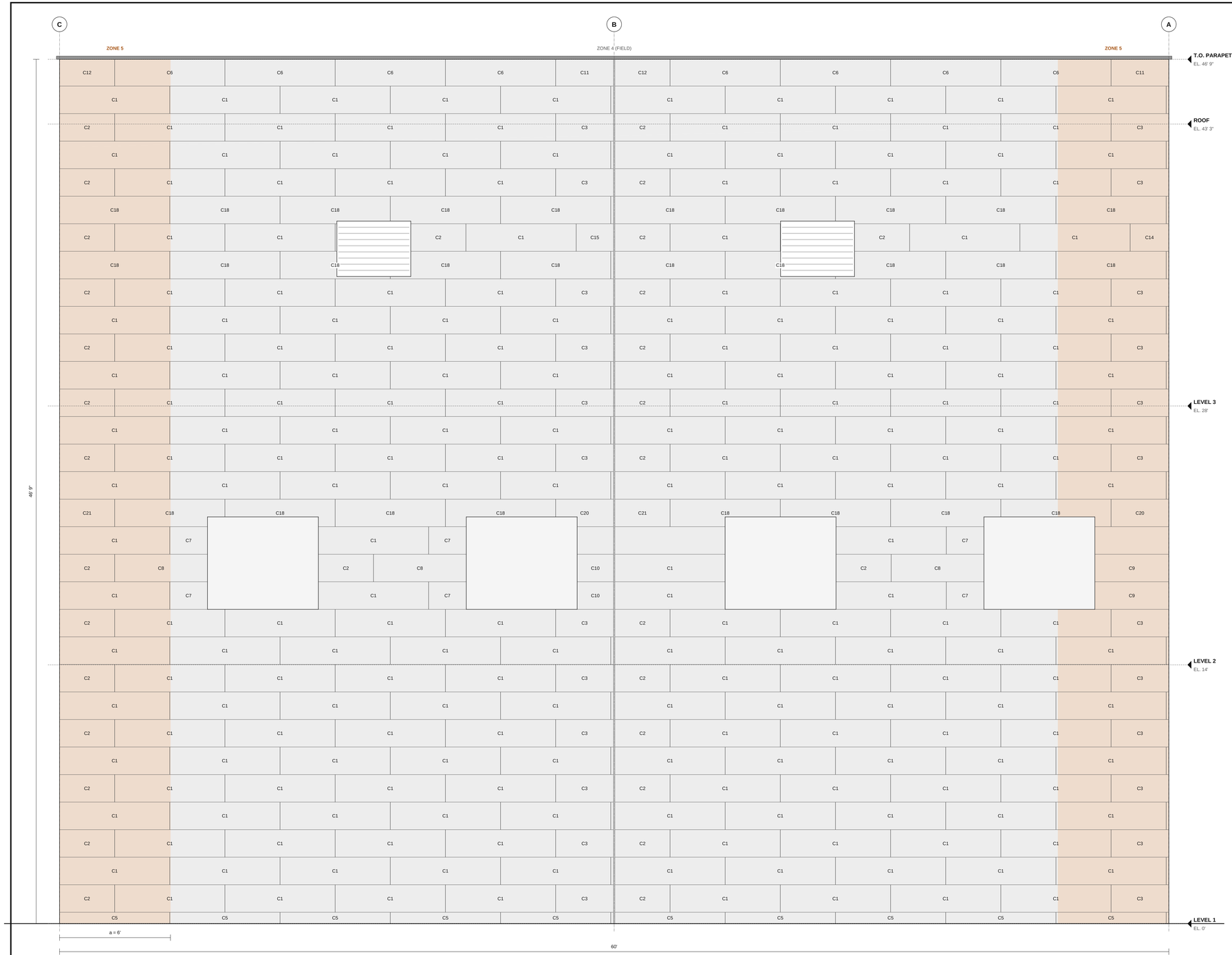
SCALE
As noted

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SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
ELEVATION W1

R-1



1 **W2 EAST WALL: PANEL LAYOUT**
SCALE: 3/8" = 1'-0"

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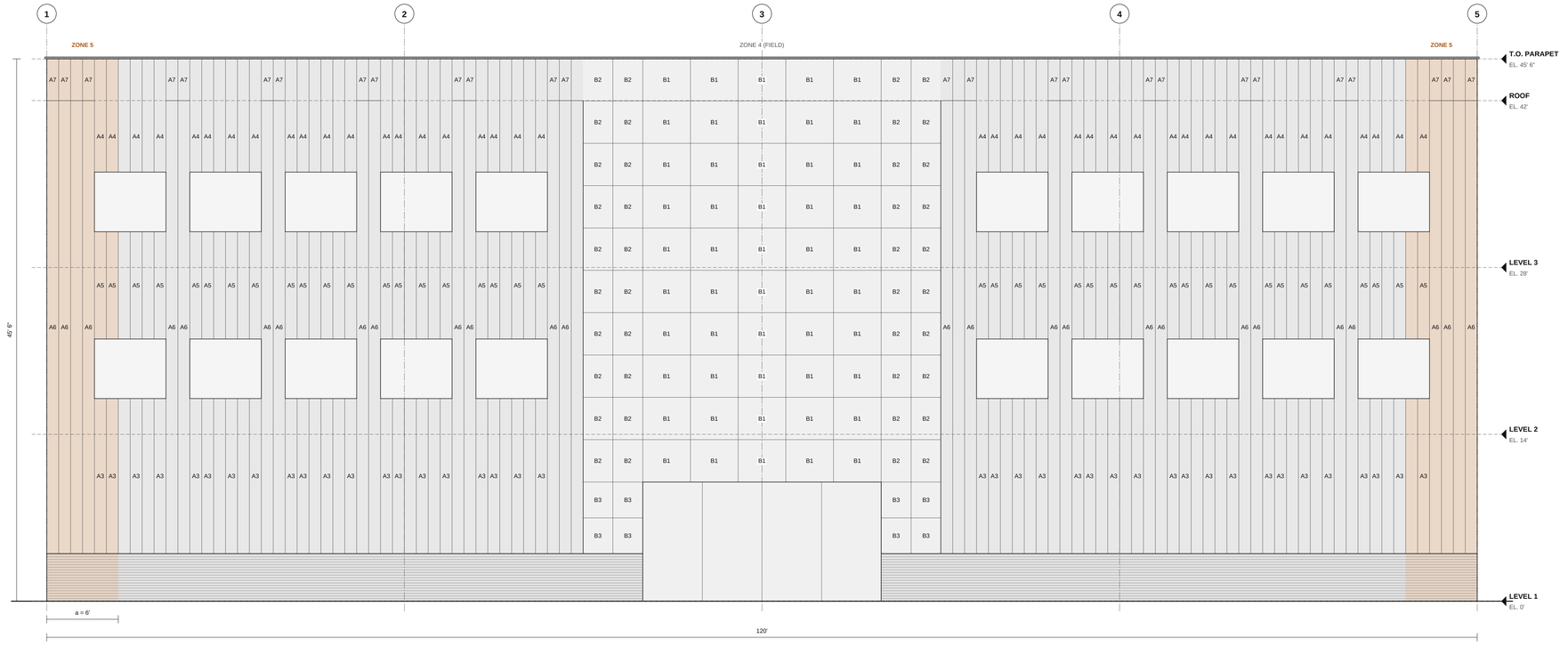
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SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
ELEVATION W2

R-2

SHEET 3 OF 15



1 **W3 SOUTH WALL: PANEL LAYOUT**
SCALE: 3/16" = 1'-0"

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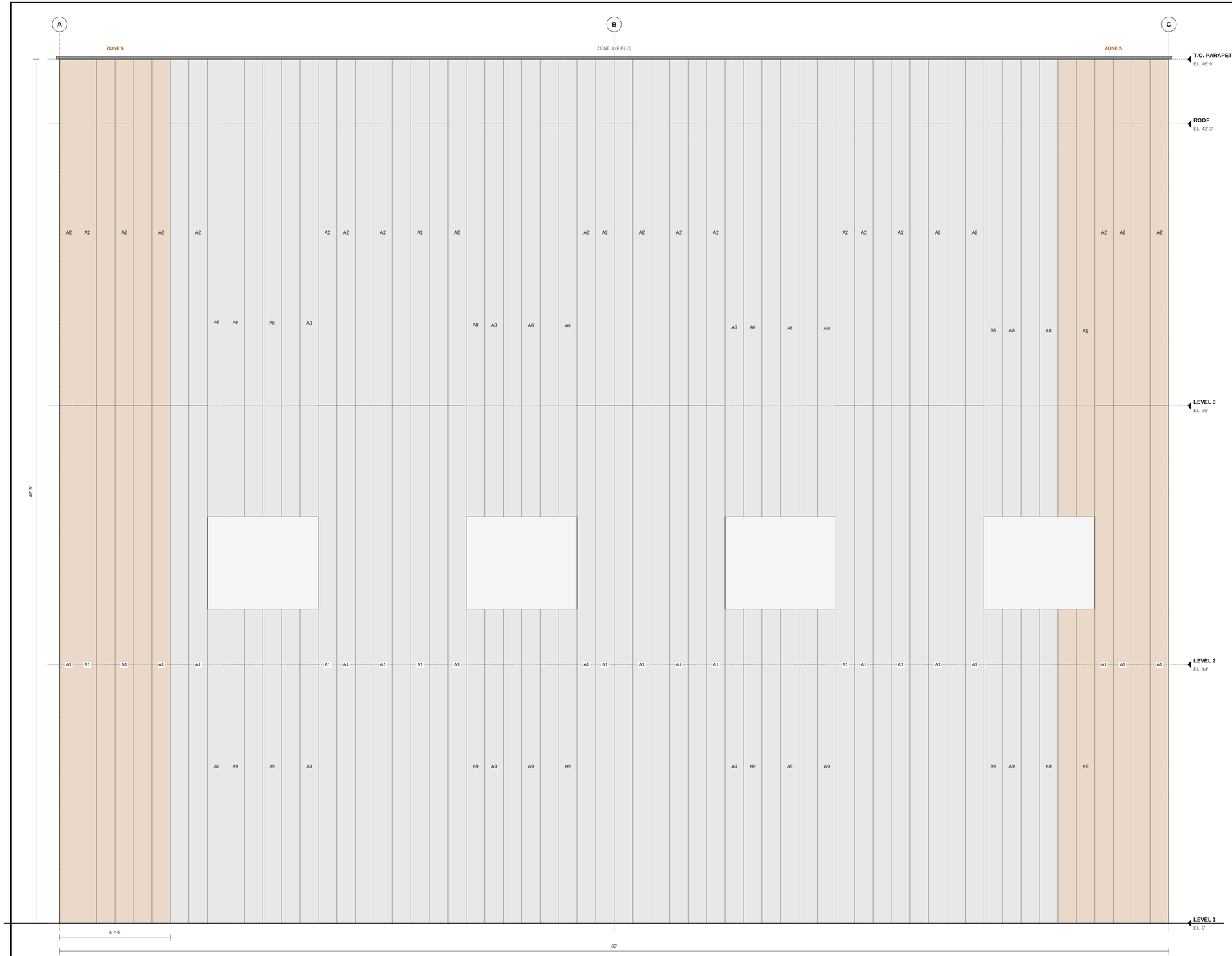
SCALE
As noted

DRAWN BY

SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
ELEVATION W3

R-3



1 **W4 WEST WALL: PANEL LAYOUT**
SCALE: 3/8" = 1'-0"

PREPARED BY

PROJECT
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SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
ELEVATION W4

R-4

SHEET 5 OF 15

Cladding systems

TAG	MARK	CLADDING	MODULE / JOINTS	THICK	FINISH	AREA
MP-1	A	Metal panel (concealed fastener)	12 in. cover, vertical, cut to length	1 1/2 in.	22 ga, PVDF, Charcoal	11,393 sf
ACM-1	B	ACM / MCM panel	56 in. x 42 in., 1/2 in. joints (sealed), on the opening lines	2 in.	Silver metallic	1,125 sf
FC-1	C	Fiber cement panel 455 x 1818 mm (Nichiha AWP 1818 sizes)	17 7/8 in. cover, horizontal, 71 5/8 in. long	5/8 in.	Wood-look finish	2,661 sf
TB-1	D	Thin brick	7 5/8 in. x 2 1/4 in. units, 3/8 in. joints	1/2 in.	Red blend	400 sf

1 **CLADDING SYSTEMS**

PREPARED BY

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SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
CLADDING SYSTEMS

R-5

Wall assemblies

TAG	STUDS	SHEATHING	AIR / WATER BARRIER	CONTINUOUS INSULATION	SUBFRAMING	WALLS	AREA
WA-1	6 in. steel studs (by others)	Glass-mat gypsum sheathing 5/8 in.	Fluid-applied air and water barrier (combustible)	3 in. Mineral wool board, R-12.6 nominal (R-4.2/in.)	Thermal clips + Z / L girts, 24 in. o.c.	W1, W3, W4	12,918 sf
WA-2	6 in. steel studs (by others)	Glass-mat gypsum sheathing 5/8 in.	Self-adhered air and water barrier (combustible)	2 in. Polyiso (foil faced), R-12 nominal (R-6/in.)	Hat channels over the insulation, 24 in. o.c.	W2	2,661 sf

1 **WALL ASSEMBLIES**

PREPARED BY

PROJECT
SAMPLE OFFICE BUILDING, 3 STORIES

OWNER
Sample Owner LLC

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SCALE
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SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
WALL ASSEMBLIES

R-6

NFPA 285 flags

	WHERE	CHECK	SECTION
FLAG	WA-1	A combustible water-resistive barrier on a Type IIB building 46.8 ft tall (over 40 ft): the wall usually needs an NFPA 285 tested assembly, unless an exception of 1402.5 fits (the WRB the only combustible part under brick, concrete, stone, terra cotta, stucco or steel; or the WRB's fire-test limits).	IBC 2021 1402.5
FLAG	WA-2	Polyiso (foil faced) (foam plastic insulation) on a Type IIB building: the exterior wall assembly usually needs an NFPA 285 tested assembly, at any height. Exceptions: a one-story building under 2603.4.1.4, or foam covered each face by 1 in. of masonry or concrete (2603.5.5). Match the assembly to a tested one with the maker.	IBC 2021 2603.5, 2603.5.5
FLAG	WA-2	A combustible water-resistive barrier on a Type IIB building 46.8 ft tall (over 40 ft): the wall usually needs an NFPA 285 tested assembly, unless an exception of 1402.5 fits (the WRB the only combustible part under brick, concrete, stone, terra cotta, stucco or steel; or the WRB's fire-test limits).	IBC 2021 1402.5
FLAG	ACM-1	MCM with a combustible core above 40 ft on a Type IIB building: the MCM system tested to NFPA 285 at its thickness (1406.10.3), plus its surface-burning and thermal-barrier rules.	IBC 2021 1406.10, 1406.10.3

1 **NFPA 285 FLAGS**

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PROJECT
SAMPLE OFFICE BUILDING, 3 STORIES

OWNER
Sample Owner LLC

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SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
NFPA 285 FLAGS

R-7

Panel cut list

MARK	SYSTEM	SIZE	QTY	AREA	NOTE	WALLS
A1	MP-1	28'-0"	149	6,965.8 sf	cut	W1, W4
A2	MP-1	18'-9"	149	6,965.8 sf	cut	W1, W4
A3	MP-1	13'-0"	60	780 sf	cut	W3
A4	MP-1	9'-6"	60	570 sf	cut	W3
A5	MP-1	9'-0"	60	540 sf	cut	W3
A6	MP-1	38'-0"	30	1,245 sf	cut	W3
A7	MP-1	3'-6"	30	1,245 sf	cut	W3
A8	MP-1	24'-9"	24	594 sf	cut	W4
A9	MP-1	17'-0"	24	408 sf	cut	W4
A10	MP-1	34'-9"	4	139 sf	cut	W1
A11	MP-1	8'-0"	4	32 sf	cut	W1
A12	MP-1	39'-9"	3	119.3 sf	cut	W1
B1	ACM-1	47 1/2 in. x 42 1/8 in.	50	694.8 sf	full	W3
B2	ACM-1	29 5/8 in. x 42 1/8 in.	40	346.7 sf	full	W3
B3	ACM-1	29 5/8 in. x 35 5/8 in.	8	58.6 sf	full	W3
C1	FC-1	5'-11 1/2"	221	9,416 sf	cut, cut to a joint	W2
C2	FC-1	2'-11 3/4"	31	1,184.1 sf	cut, cut to a joint	W2
C3	FC-1	3'-1 1/2"	24	1,071 sf	cut, cut to a joint	W2
C4	FC-1	0'-1 3/4"	22	981.8 sf	cut, cut to a joint	W2
C5	FC-1	5'-11 1/2" (ripped 7 3/8 in.)	10	184.1 sf	cut, cut to a joint	W2
C6	FC-1	5'-11 1/2" (ripped 17 3/8 in.)	8	347 sf	cut	W2
C7	FC-1	2'-1/2"	6	71.5 sf	cut	W2
C8	FC-1	5'-1/4"	3	35.8 sf	cut	W2
C9	FC-1	4'-0"	3	17.9 sf	cut	W2
C10	FC-1	1'-11 1/2"	3	8.8 sf	cut, cut to a joint	W2
C11	FC-1	3'-1 1/2" (ripped 17 3/8 in.)	2	86.8 sf	cut, cut to a joint	W2
C12	FC-1	2'-11 3/4" (ripped 17 3/8 in.)	2	86.8 sf	cut, cut to a joint	W2
C13	FC-1	0'-1 3/4" (ripped 7 3/8 in.)	2	36.8 sf	cut, cut to a joint	W2
C14	FC-1	2'-1"	1	25.3 sf	cut	W2
C15	FC-1	2'-1/4"	1	16.3 sf	cut, cut to a joint	W2
C16	FC-1	0'-1"	1	22.3 sf	cut	W2
C17	FC-1	0'-1/4"	1	13.3 sf	cut	W2
C18	FC-1	5'-11 1/2"	28	1,138.1 sf	cut, notched at an opening, cut to a joint	W2
C19	FC-1	0'-1 3/4"	4	166.4 sf	cut, notched at an opening, cut to a joint	W2
C20	FC-1	3'-1 1/2"	2	76.5 sf	cut, notched at an opening, cut to a joint	W2
C21	FC-1	2'-11 3/4"	2	76.5 sf	cut, notched at an opening, cut to a joint	W2

1 **PANEL CUT LIST**

PREPARED BY

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SAMPLE OFFICE BUILDING, 3 STORIES

OWNER
Sample Owner LLC

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SCALE
As noted

DRAWN BY

SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
PANEL CUT LIST

R-8

Order list

TAG	CLADDING	ORDER	WASTE	NET	NOTE
MP-1	Metal panel (concealed fastener)	597 panels cut to length, 11,393 LF	-	11,393 sf	358 spliced over 40'
ACM-1	ACM / MCM panel	98 panels from 25 sheets 62 in. x 196 in.	39.8%	1,125 sf	Blanks include 1 1/2 in. returns each edge; the fabricator confirms. Joints on the openings: 98 pieces, 25 sheets, 39.8% waste (laid without it: 81 pieces, 19 sheets, 20.6%)
FC-1	Fiber cement panel 455 x 1818 mm (Nichiha AWP 1818 sizes)	319 panels 71 5/8 in. (377 pieces)	3.4%	2,661 sf	Cuts nested in stock lengths. Joints on the openings: 377 pieces, 319 panels, 3.4% waste (laid without it: 376 pieces, 327 panels, 4.6%)
TB-1	Thin brick	2880 flats + 39 corners	5%	400 sf	8 LF of corners

1 **ORDER LIST**

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ARCH D (24" x 36")

SHEET TITLE
ORDER LIST

R-9

Attachment by zone

WALL	ZONE	AREA	SUPPORTS	ATTACHMENTS	SUPPORT LF	COUNT
W1	Field (zone 4)	5,012 sf	24 in. o.c.	12 in. o.c.	2,506 LF	2506
W1	Corner (zone 5)	561 sf	16 in. o.c.	8 in. o.c.	420.8 LF	632
W2	Field (zone 4)	2,110 sf	24 in. o.c.	12 in. o.c.	1,055 LF	1055
W2	Corner (zone 5)	551 sf	16 in. o.c.	8 in. o.c.	413.3 LF	620
W3	Field (zone 4)	4,154 sf	24 in. o.c.	12 in. o.c.	2,077 LF	2077
W3	Corner (zone 5)	506 sf	16 in. o.c.	8 in. o.c.	379.5 LF	570
W4	Field (zone 4)	2,134 sf	24 in. o.c.	12 in. o.c.	1,067 LF	1067
W4	Corner (zone 5)	551 sf	16 in. o.c.	8 in. o.c.	413.3 LF	620

1 **ATTACHMENT BY ZONE**

PREPARED BY

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SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
ATTACHMENT BY ZONE

R-10

Sealant joints

JOINT	WHERE	WIDTH	DEPTH	BACKER ROD	LENGTH	CARTRIDGES
J1	Opening perimeters (windows, doors, storefront)	1/2 in.	1/4 in.	5/8 in. closed-cell	693 LF	63
J2	Panel joints (wet-sealed panels)	1/2 in.	1/4 in.	5/8 in. closed-cell	618 LF	56
J3	Expansion joints	1 in.	1/2 in.	1 1/4 in. closed-cell	46.8 LF	17
J4	Control and floor-line joints	3/4 in.	3/8 in.	1 in. closed-cell	60 LF	13
J5	Louver perimeters	1/2 in.	1/4 in.	5/8 in. closed-cell	44 LF	4
J6	Penetrations	1/2 in.	1/4 in.	5/8 in. closed-cell	10.5 LF	1
J7	Coping splices	1/2 in.	1/4 in.	5/8 in. closed-cell	42 LF	4
J8	Where two claddings meet	1/2 in.	1/4 in.	5/8 in. closed-cell	196 LF	18

1 **SEALANT JOINTS**

PREPARED BY

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SUBMITTAL
REV 0

DATE
11/5/2026

SCALE
As noted

DRAWN BY

SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
SEALANT JOINTS

R-11

Trim and flashing

WALL	BASE	TOP / COPING	CORNERS O / I	TRANSITIONS	FLOOR LINE	EXP / CTRL	OPENINGS	LOUVERS	PEN.
W1	120	120	7 / 0	0	0	0	17	1 (16 LF)	6
W2	60	60	49 / 0	0	60	46.8	88	2 (28 LF)	4
W3	120	120	91 / 0	196	0	0	500	0	0
W4	60	60	49 / 0	0	0	0	88	0	0

1 **TRIM AND FLASHING**

PREPARED BY

PROJECT
SAMPLE OFFICE BUILDING, 3 STORIES

OWNER
Sample Owner LLC

SPEC SECTION
04 21 13, 05 40 00, 06 16 43, 07 21 00, 07 27 00, 07 42 13, 07 42 43, 07 46 46, 07 62 00, 07 92 00, 07 95 00

NOTICE
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SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
TRIM AND FLASHING

R-12

Access

WALL	ELEVATION	HEIGHT	ACCESS	NET AREA	DAYS
W1	North wall	46.8 ft	Boom lift (auto)	5,573 sf	14
W2	East wall	46.8 ft	Boom lift (auto)	2,661 sf	9
W3	South wall	45.5 ft	Boom lift (auto)	4,660 sf	16
W4	West wall	46.8 ft	Boom lift (auto)	2,685 sf	7

1 **ACCESS**

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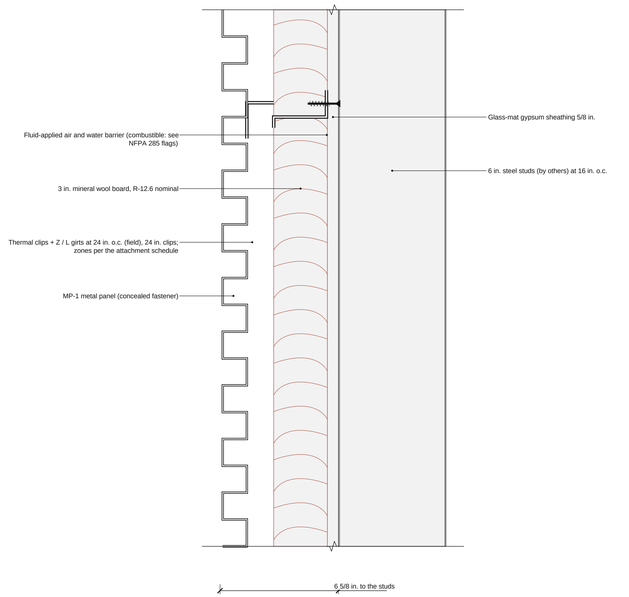
SCALE
As noted

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SHEET SIZE
ARCH D (24" x 36")

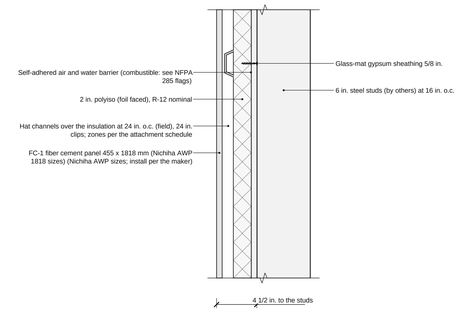
SHEET TITLE
ACCESS

R-13



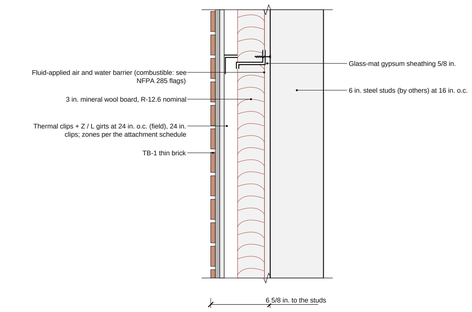
1 WALL ASSEMBLY WA-1 WITH MP-1 — 3" = 1'-0"

REF: the cladding, membrane and insulation makers' data; IBC 2021 1402.5 / 2603.5 for NFPA 285



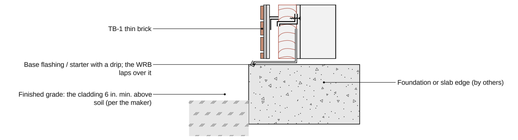
2 WALL ASSEMBLY WA-2 WITH FC-1 — 1 1/2" = 1'-0"

REF: the cladding, membrane and insulation makers' data; IBC 2021 1402.5 / 2603.5 for NFPA 285



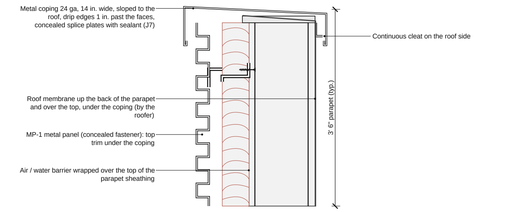
3 WALL ASSEMBLY WA-1 WITH TB-1 — 1 1/2" = 1'-0"

REF: the cladding, membrane and insulation makers' data; IBC 2021 1402.5 / 2603.5 for NFPA 285



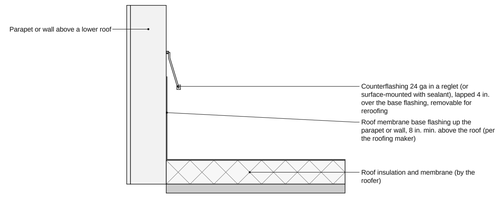
5 BASE OF THE WALL AT GRADE — 1" = 1'-0"

REF: the cladding maker's base detail



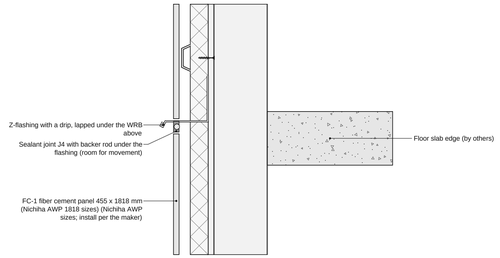
6 PARAPET AND COPING — 1 1/2" = 1'-0"

REF: the coping and roofing makers' details; SMACNA-style cleat and splice



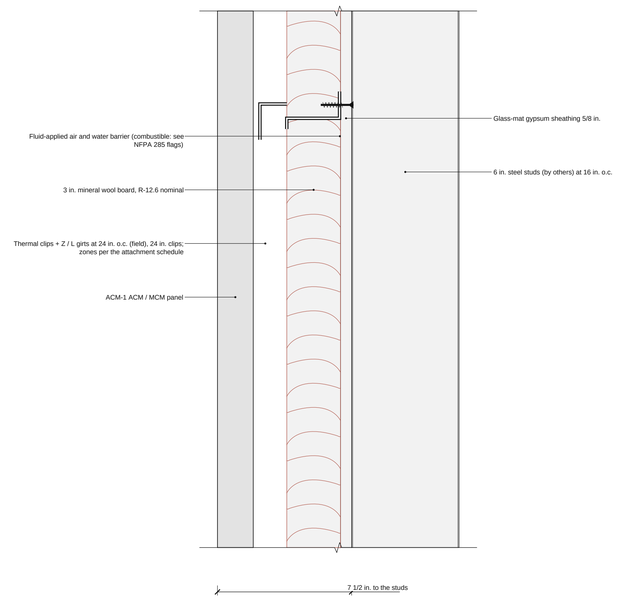
7 COUNTERFLASHING AT THE ROOF — 1" = 1'-0"

REF: the roofing maker's base flashing details



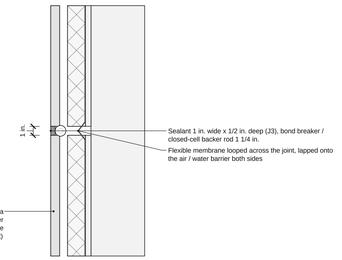
8 FLOOR-LINE JOINT WITH FLASHING — 1 1/2" = 1'-0"

REF: the panel maker's compression / horizontal joint detail



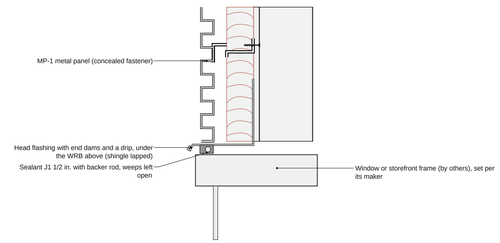
4 WALL ASSEMBLY WA-1 WITH ACM-1 — 3" = 1'-0"

REF: the cladding, membrane and insulation makers' data; IBC 2021 1402.5 / 2603.5 for NFPA 285



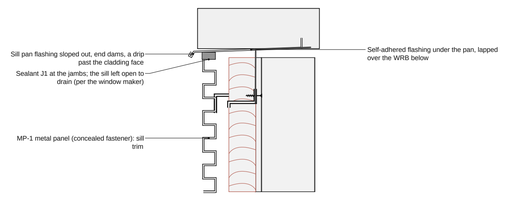
9 EXPANSION JOINT (PLAN SECTION) — 1 1/2" = 1'-0"

REF: the cladding and sealant makers' joint details; building expansion joints per the architect



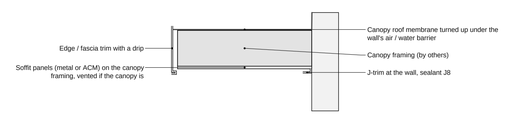
10 HEAD OF A WINDOW OR STOREFRONT — 1 1/2" = 1'-0"

REF: the window / storefront maker's installation instructions; the cladding maker's opening details



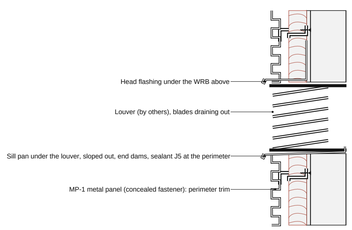
11 SILL AND JAMB OF A WINDOW OR STOREFRONT — 1 1/2" = 1'-0"

REF: the window / storefront maker's installation instructions; the cladding maker's opening details



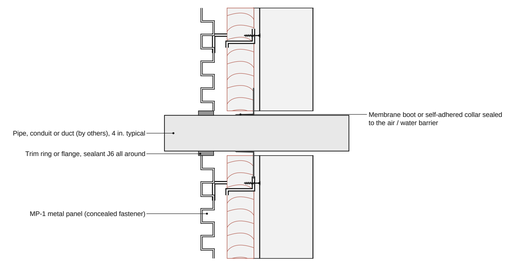
14 CANOPY SOFFIT AND EDGE — 3/4" = 1'-0"

REF: canopy framing by others; the soffit panel maker's details



12 LOUVER OPENING (SECTION) — 1" = 1'-0"

REF: the louver maker's installation instructions (louver by others)



13 PENETRATION THROUGH THE WALL — 1 1/2" = 1'-0"

REF: the membrane maker's penetration detail

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SHEET TITLE
DETAILS

R-14

SHEET 15 OF 15