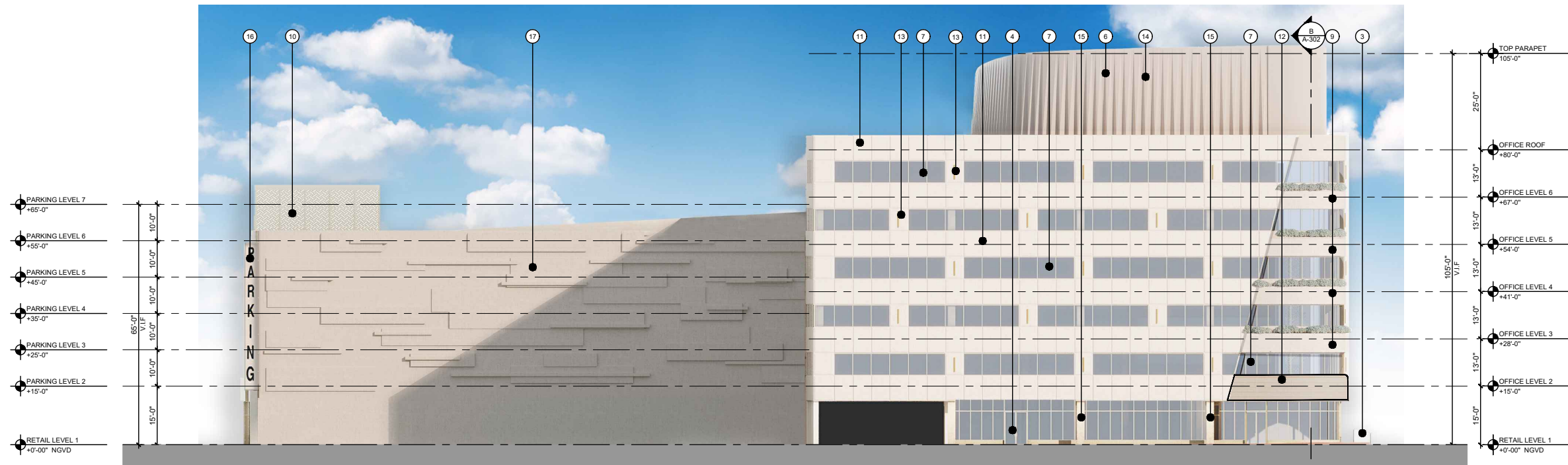


A EXISTING NORTH ELEVATION
 SCALE: 1/16"=1'-0"
 PREVIOUSLY APPROVED PER DRB24-1009

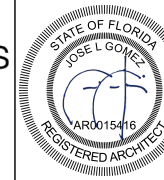


B PROPOSED NORTH ELEVATION
 SCALE: 1/16"=1'-0"
 PREVIOUSLY APPROVED PER DRB24-1009

KEY NOTES

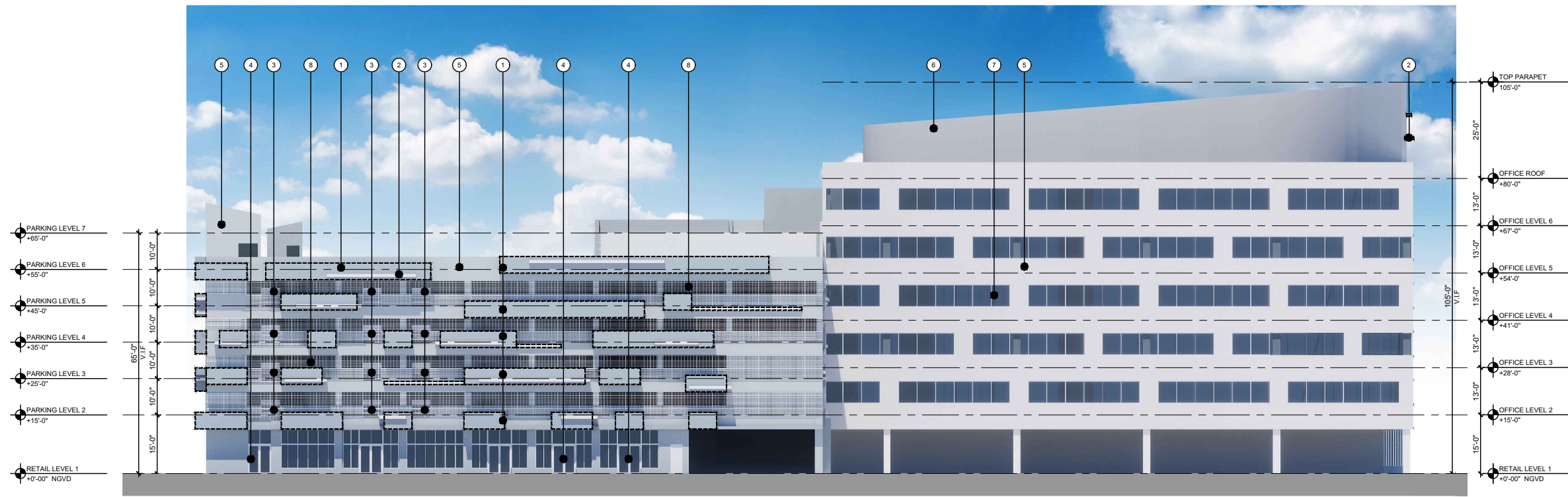
- 1 EXISTING CONCRETE PLANTER
 - 2 EXISTING EYEBROW TO BE DEMOLISHED
 - 3 EXISTING RAILING TO REMAIN AND POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR
 - 4 EXISTING ALUMINUM STOREFRONT TO REMAIN. EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR
 - 5 EXISTING SMOOTH TEXTURE STUCCO FINISH
 - 6 EXISTING PARAPET (MECHANICAL EQUIP. SCREEN)
 - 7 EXISTING WINDOWS TO REMAIN. EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR
 - 8 EXISTING ALUMINUM SCREEN TO BE REMOVED (TYP)
 - 9 PROPOSED FIBERGLASS PLANTER TO MATCH WITH LIMESTONE VENEER COLOR (REFER TO A-201 FOR NEW MATERIAL)
 - 10 PROPOSED CUSTOM MTL. PERFORATED SCREEN
 - 11 PROPOSED LIMESTONE VENEER (REFER TO A-201 FOR NEW MATERIAL)
 - 12 PROPOSED AWNING (UNDER SEPARATE PERMIT)
 - 13 PROPOSED WALL SCUNCES
 - 14 PROPOSED DECORATIVE METAL CLADDING ON EXISTING PARAPET
 - 15 PROPOSED CHAMPAGNE - ACID WASH STUCCO FINISH
 - 16 EXISTING "PARKING" SIGN TO REMAIN
 - 17 PAINT TO MATCH WITH LIMESTONE VENEER COLOR (REFER TO A-201 FOR NEW MATERIAL)
- EYEBROWS / PLANTERS TO BE DEMOLISHED

THE LINCOLN BL
 1691 MICHIGAN
 MIAMI BEACH, FL 33139

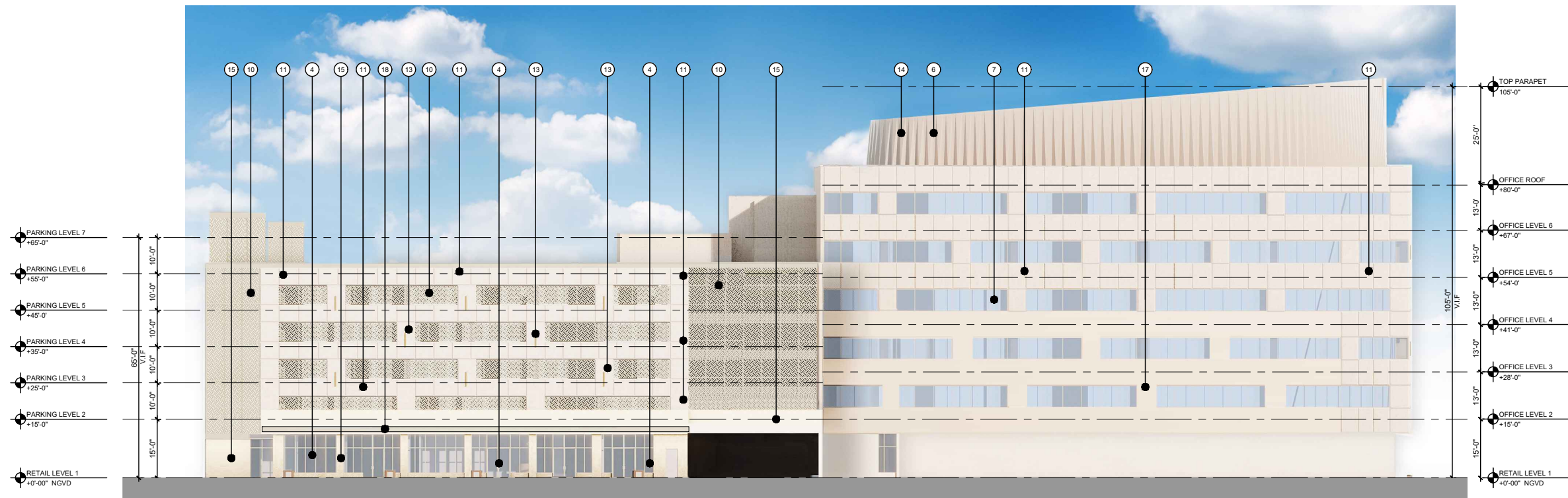


Digitally signed
 by Jose L Gomez
 Date: 2026.01.13
 16:46:19 -05'00'

DWG. TITLE	
APPROVED NORTH ELEVATION	SCALE 1/16"=1'-0"
PROJECT NO.	2023-33
DATE	08-20-2024
SHEET NUMBER	
DRB-201	



A EXISTING EAST ELEVATION
 SCALE: 1/16"=1'-0"
 PREVIOUSLY APPROVED PER DRB24-1009



B PROPOSED EAST ELEVATION
 SCALE: 1/16"=1'-0"
 PREVIOUSLY APPROVED PER DRB24-1009

KEY NOTES

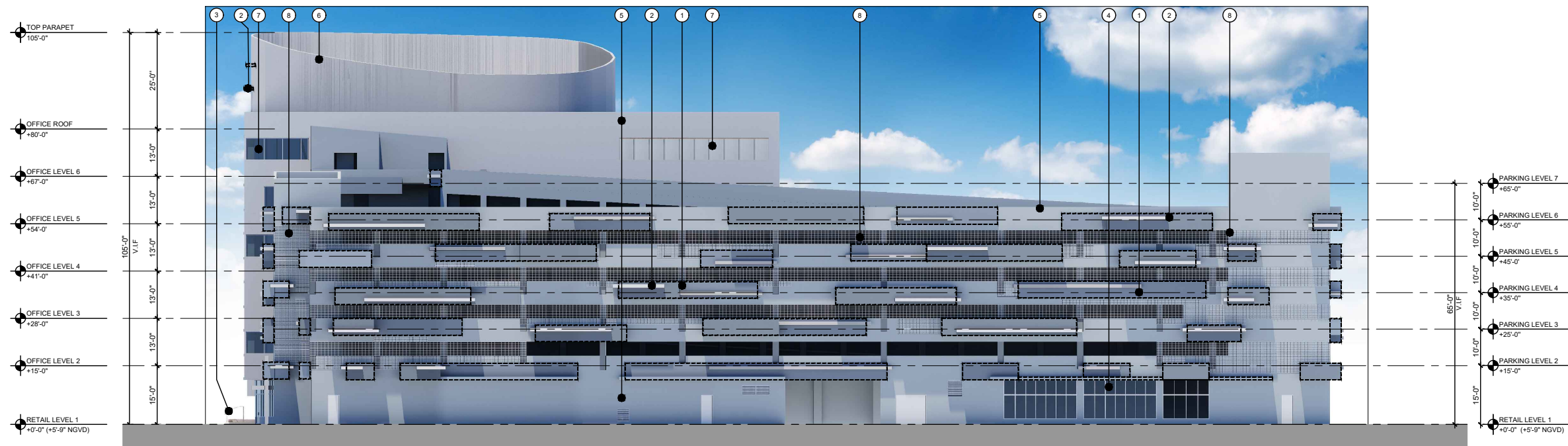
- ① EXISTING CONCRETE PLANTER TO BE DEMILISHED
- ② EXISTING CONCRETE EYEBROW
- ③ EXISTING VENTILATION FAN SCREEN TO BE RELOCATED
- ④ EXISTING ALUMINUM STOREFRONT TO REMAIN. EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR
- ⑤ EXISTING SMOOTH TEXTURE STUCCO FINISH
- ⑥ EXISTING PARAPET (MECHANICAL EQUIP. SCREEN)
- ⑦ EXISTING WINDOWS TO REMAIN. EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR
- ⑧ EXISTING ALUMINUM SCREEN TO BE REMOVED (TYP.)
- ⑨ PROPOSED FIBERGLASS PLANTER TO MATCH WITH LIMESTONE VENEER COLOR (REFER TO A-202 FOR NEW MATERIAL)
- ⑩ PROPOSED CUSTOM MTL. PERFORATED SCREEN
- ⑪ PROPOSED LIMESTONE VENEER (REFER TO A-202 FOR NEW MATERIAL)
- ⑫ PROPOSED AWNING (UNDER SEPARATE PERMIT)
- ⑬ PROPOSED WALL SCUNCES
- ⑭ PROPOSED DECORATIVE METAL CLADDING ON EXISTING PARAPET
- ⑮ PROPOSED CHAMPAGNE - ACID WASH STUCCO FINISH
- ⑯ PROPOSED STACKED STONE PANEL (BY OWNER)
- ⑰ PAINT TO MATCH WITH LIMESTONE VENEER COLOR (REFER TO A-202 FOR NEW MATERIAL)
- ⑱ METAL CLADDING FINISH ON EXIST/PROPOSED EYEBROW

▭ EYEBROWS / PLANTERS TO BE DEMILISHED

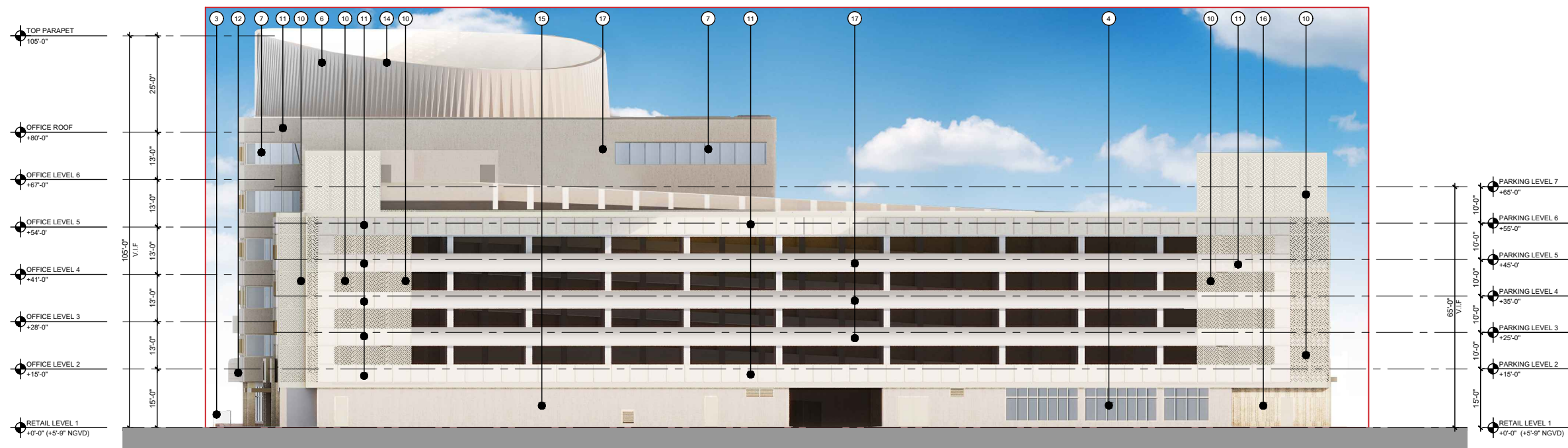
THE LINCOLN BL
 1691 MICHIGAN
 MIAMI BEACH, FL 33139



DWG. TITLE	APPROVED EAST ELEVATION
SCALE	1/16"=1'-0"
PROJECT NO.	2023-33
DATE	08-09-2024
SHEET NUMBER	DRB-202
DATE	REVISION
12-30-2025	OWNER REVISION



A EXISTING SOUTH ELEVATION
 SCALE: 1/16"=1'-0"
 PREVIOUSLY APPROVED PER DRB24-1009



B PROPOSED SOUTH ELEVATION
 SCALE: 1/16"=1'-0"
 PREVIOUSLY APPROVED PER DRB24-1009

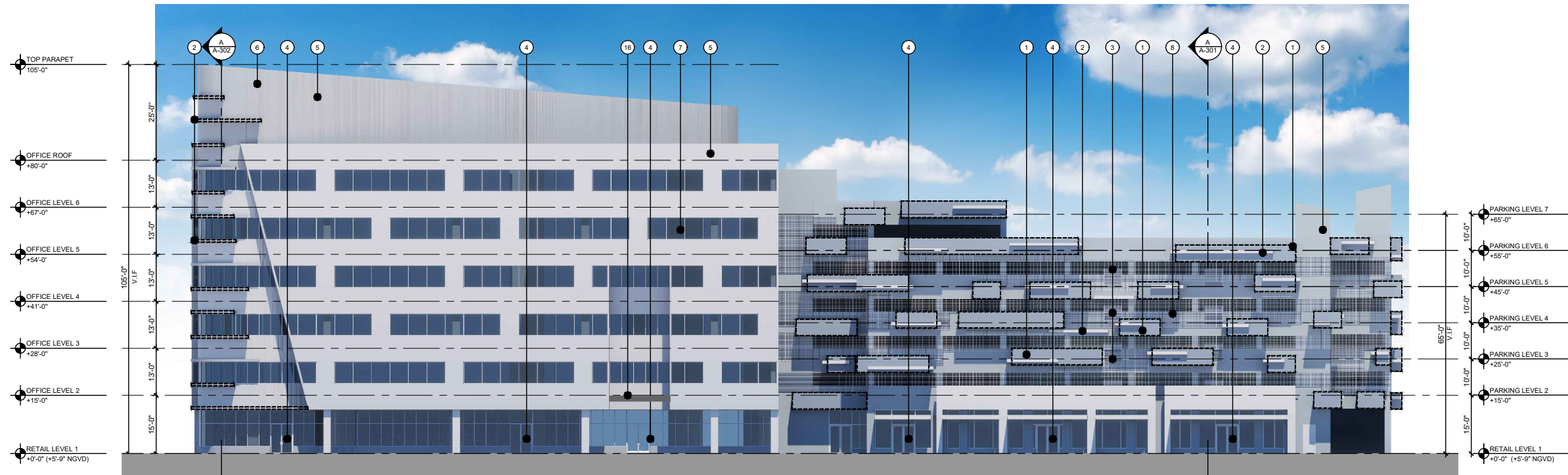
KEY NOTES

- 1 EXISTING CONCRETE PLANTER TO BE DEMILISHED
 - 2 EXISTING CONCRETE EYEBROW
 - 3 EXISTING RAILING TO REMAIN AND POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR
 - 4 EXISTING ALUMINUM STOREFRONT TO REMAIN. EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR
 - 5 EXISTING SMOOTH TEXTURE STUCCO FINISH
 - 6 EXISTING PARAPET (MECHANICAL EQUIP. SCREEN)
 - 7 EXISTING WINDOWS TO REMAIN. EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR
 - 8 EXISTING ALUMINUM SCREEN TO BE REMOVED (TYP.)
 - 9 PROPOSED FIBERGLASS PLANTER TO MATCH WITH LIMESTONE VENEER COLOR (REFER TO A-201 FOR NEW MATERIAL)
 - 10 PROPOSED CUSTOM MTL. PERFORATED SCREEN
 - 11 PROPOSED LIMESTONE VENEER (REFER TO A-201 FOR NEW MATERIAL)
 - 12 PROPOSED AWNING (UNDER SEPARATE PERMIT)
 - 13 PROPOSED WALL SCUNCES
 - 14 PROPOSED DECORATIVE METAL CLADDING ON EXISTING PARAPET
 - 15 PROPOSED CHAMPAGNE - ACID WASH STUCCO FINISH
 - 16 PROPOSED TRAVERTINE MOSAIC PANEL / CAVE STONE MOSAIC (REFER TO A-201 FOR NEW MATERIAL)
 - 17 PAINT TO MATCH WITH LIMESTONE VENEER COLOR (REFER TO A-201 FOR NEW MATERIAL)
- EYEBROWS / PLANTERS TO BE DEMILISHED

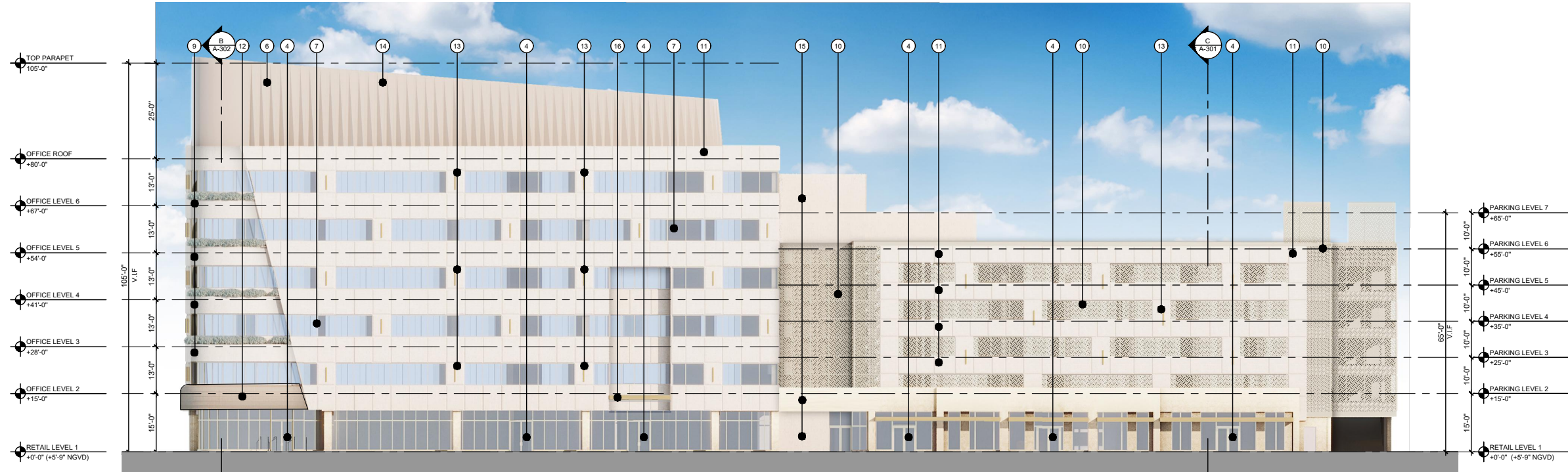
THE LINCOLN BL
 1691 MICHIGAN
 MIAMI BEACH, FL 33139



DWG. TITLE		APPROVED SOUTH ELEVATION
SCALE		1/16"=1'-0"
PROJECT NO.		2023-33
DATE		08-09-2024
SHEET NUMBER		DRB-203
1	12-30-2025	OWNER REVISION
△	DATE	REVISION



A EXISTING WEST ELEVATION
SCALE: 1/16"=1'-0"
PREVIOUSLY APPROVED PER DRB24-1009



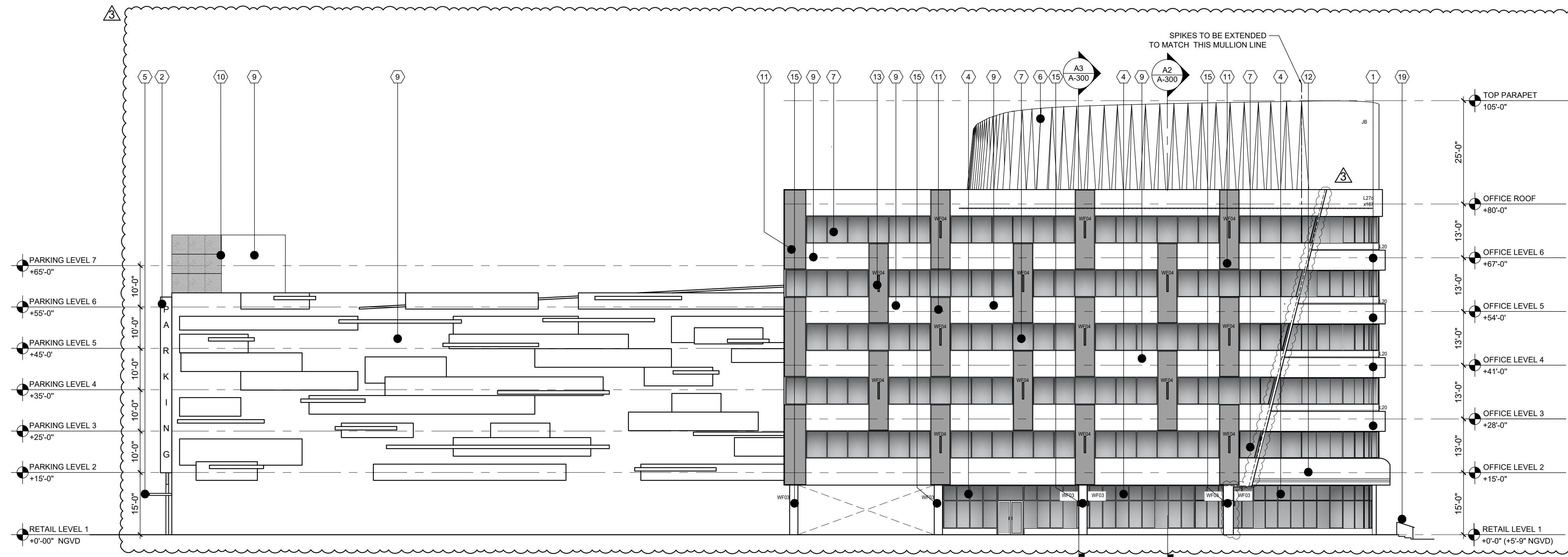
B PROPOSED WEST ELEVATION
SCALE: 1/16"=1'-0"
PREVIOUSLY APPROVED PER DRB24-1009

- KEY NOTES**
- 1 EXISTING CONCRETE PLANTER TO BE DEMOLISHED
 - 2 EXISTING CONCRETE EYEBROW TO BE DEMOLISHED
 - 3 EXISTING VENTILATION FAN SCREEN TO BE RELOCATED
 - 4 EXISTING ALUMINUM STOREFRONT TO REMAIN. EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR
 - 5 EXISTING SMOOTH TEXTURE STUCCO FINISH
 - 6 EXISTING PARAPET (MECHANICAL EQUIP. SCREEN)
 - 7 EXISTING WINDOWS
 - 8 EXISTING ALUMINUM SCREEN TO BE REMOVED (TYP.)
 - 9 PROPOSED FIBERGLASS PLANTER TO MATCH WITH LIMESTONE VENEER COLOR (REFER TO A-202 FOR NEW MATERIAL)
 - 10 PROPOSED CUSTOM MTL. PERFORATED SCREEN
 - 11 PROPOSED LIMESTONE VENEER (REFER TO A-202 FOR NEW MATERIAL)
 - 12 PROPOSED AWNING
 - 13 PROPOSED WALL SCUNCES
 - 14 PROPOSED DECORATIVE METAL CLADDING ON EXISTING PARAPET
 - 15 PROPOSED CHAMPAGNE - ACID WASH STUCCO FINISH
 - 16 EXISTING METAL CANOPY TO BE PAINTED TO MATCH WITH EXISTING CANOPY COLOR
- EXISTING EYEBROWS / PLANTERS TO BE DEMOLISHED

THE LINCOLN BL
1691 MICHIGAN
MIAMI BEACH, FL 33139



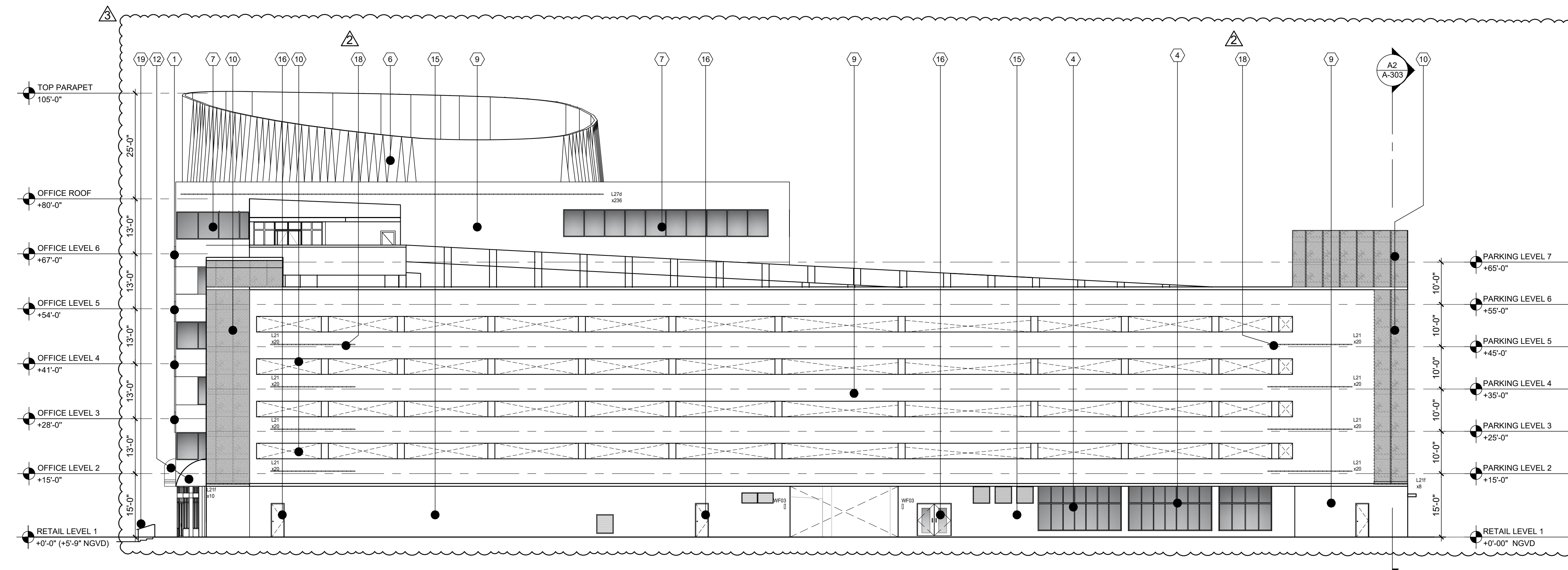
DWG. TITLE	APPROVED WEST ELEVATION
SCALE	1/16"=1'-0"
PROJECT NO.	
DATE	2023-33
SHEET NUMBER	DRB-204



KEY NOTES

- 1 PROPOSED FIBERGLASS PLANTER (SHOP DRAWING TO BE PROVIDED PRIOR APPROVAL)
- 2 EXISTING PARKING SIGN TO REMAIN
- 3 METAL PANEL COVER TO MATCH THE STUCCO COLOR
- 4 EXISTING ALUMINUM STOREFRONT TO REMAIN. EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR (REFER TO MATERIAL 9/A-501)
- 5 METAL CLADDING FINISH ON EXIST/PROPOSED EYEBROW OR CANOPY TO MATCH WITH SCREEN COLOR
- 6 PROPOSED DECORATIVE METAL CLADDING ON EXISTING PARAPET BY MORIN ARCHITECTURAL WALL OR APPROVED EQUAL. (SHOP DRAWINGS TO BE PROVIDED) (REFER TO MATERIAL 7/A-501)
- 7 EXIST. WINDOWS TO REMAIN. EXIST. MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR. EXIST. SEALANT WILL BE REPLACED (REFER TO MATERIAL 9/A-501)
- 8 NOT USED
- 9 EXISTING STUCCO TO REMAIN. PATCH AND REPAIR AS REQUIRED.
- 10 PROPOSED CUSTOM MTL. PERFORATED SCREEN (SHOP DRAWINGS TO BE PROVIDED) (REFER TO MATERIAL 1/A-501)
- 11 PROPOSED 5" EIFS PANEL FINISH CHAMPAGNE - ACID WASH STUCCO (SHOP DRAWINGS TO BE PROVIDED)
- 12 PROPOSED AWNING (UNDER SEPARATED PERMIT) (REFER TO MATERIAL 8/A-501)
- 13 NATURAL TRAVERTINE STONE LED WALL SCONCE BY CASALOLA OR SIMILAR (REFER TO MATERIAL 5/A-501)
- 15 CHAMPAGNE - ACID WASH STUCCO FINISH BY CONCRETE WORKS EAST OR SIMILAR (REFER TO MATERIAL 3/A-501)
- 16 EXISTING DOOR TO BE PAINTED TO MATCH WITH CHAMPAGNE - ACID WASH STUCCO
- 18 PROPOSED LED LIGHTING L-21 BEHIND PARAPET (REFER TO SECTION A/A-308) (REFER TO LIGHTING SCHEDULE A-201)
- 19 EXISTING RAILING TO REMAIN AND POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR

C1 PROPOSED NORTH ELEVATION



GENERAL NOTES:

1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BID.
2. FOR SCREEN DETAIL REFER TO A-307 & A-308.
3. ALL EXISTING MATERIALS AND FINISHES TO REMAIN MUST BE PROTECTED AND PATCHED/REPAIRED AS REQUIRED PRIOR TO COMPLETION OF WORK.
4. REFER TO LIGHTING PACKAGE FOR LIGHTING DETAILS
5. REFER TO A-501 FOR MATERIAL

WATERPROOFING GENERAL NOTES :

- Proposed waterproofing with ExoAir 230. Fluid-Applied. Synthetic Air & Vapor Permeable Membrane from Tremco or equal approved. Substrate preparation.
- Surface to be coated must be dry, clean, smooth, firm, free of release agents, dust, mud, loose mortar, wires, fins, metal, projections or any other substances that might prevent placement and bonding of membrane.
 - CMU walls shall have all joints filled and struck flush. Mortar should be cured a minimum of 7 days. Any voids shall be patched with mortar, a non-shrinking grout or other approved patching material.
 - All concrete substrates shall be clean and free of all release agents. Any voids shall be patched with mortar, non-shrinking grout or other approved patching material.
 - Fasteners: Fasteners should be flush with the surface of the substrate. Fasteners which are protruding from or sunk below the face of the substrate shall be treated with a detail coat of Dymonic 100, or Tremflex 834 prior to the installation of EXOAIR® 230. The detail sealants may be coated over once a skin has developed. If the fastener penetration occurs after the EXOAIR® 230 membrane has been installed, detail all fastener penetrations not flush to the EXOAIR® 230 membrane with Dymonic 100 or Spectrem 1 sealant.
 - Penetrations: Penetrations must be rigidly supported through membrane as to not allow movement of penetrating item.
 - For installation procedures for ExoAir® 230 fluid-applied air and vapor permeable synthetic membrane, please refer to the manufacturer application instructions document.

VALET PARKING SUBMITTED UNDER SEPARATED PERMIT. BC2425012
PROPOSED EYEBROW * REFER TO ED-202 FOR DEMOLITION DETAIL. * REFER TO STRUCTURAL DRAWINGS PER DETAILS

LIGHTING SCHEDULE			
FIXTURE TYPE	MANUFACTURER	INPUT/ LIGHT SOURCE	DESCRIPTION
WF-03	CASALOLA	90-260V 6W DIMMABLE / 90-260V 6W 2700K	WALL MOUNTED, LED SCONCE, NATURAL TRAVERTINE STONE BODY, WEATHERPROOF, 2700K DIMMABLE IP65, UL LISTED. 4
WF-04	CASALOLA	90-260V 23W DIMMABLE / 90-260V 23W 2700K	WALL MOUNTED, LED SCONCE, NATURAL TRAVERTINE STONE BODY, WEATHERPROOF, 2700K DIMMABLE IP65, UL LISTED.
L-20	LUMINII	120-277V 96W 0-10V CLASS II / 24VDC 2.74/FT LED 2700K CRI 80	SURFACE MOUNTED VERTICAL BENDING LED STRIP FOR OUTDOORS. SILICON PROFILE, ALUMINUM STEEL MOUNTING BRACKET, TERMINATOR CAP, CABLE AND CONNECTION COVERS, 15X40 OPTICS, DIMMING POWER SUPPLY (0-10V), IP67, WET & UL LISTED.
L-21	LUMINII	110-277VAC 12W 0-10% / 3.6W LED 2700K CRI 97 PUBLISHED DELIVERED LUMENS: 290 LMFT	SURFACE MOUNTED LED LINEAR FIXTURE. EXTRUDED ALUMINUM WHITE FINISH, UV STABILIZED POLYCARBONATE, ADJUSTABLE BRACKETS, IP68, UL LISTED. (COLOR TONE: WARM, YELLOWISH GLOW)
JB	T.B.D	T.B.D	ELECTRICAL JUNCTION BOX CONCEALED, FOR FUTURE IMPLEMENTATION.

A1 PROPOSED SOUTH ELEVATION

THE LINCOLN BL

1691 MICHIGAN
MIAMI BEACH, FL 33139



DWG. TITLE
PROPOSED NORTH AND SOUTH ELEVATION

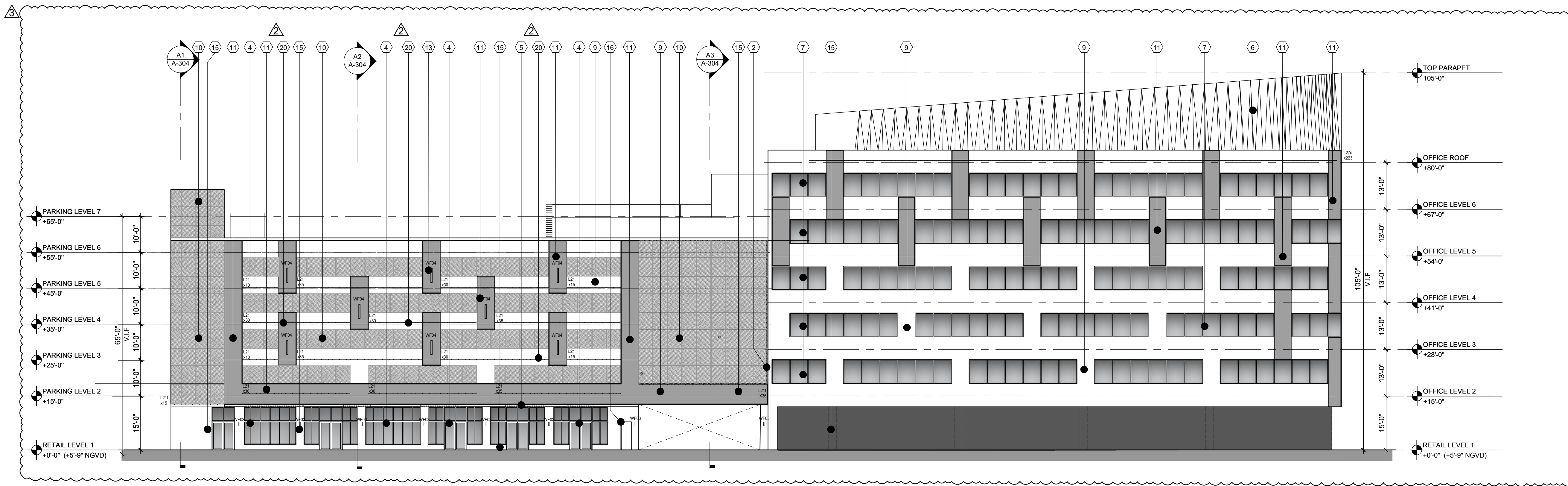
SCALE
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PROJECT NO.
2023-33

DATE
2023-33

DATE
07-07-2025

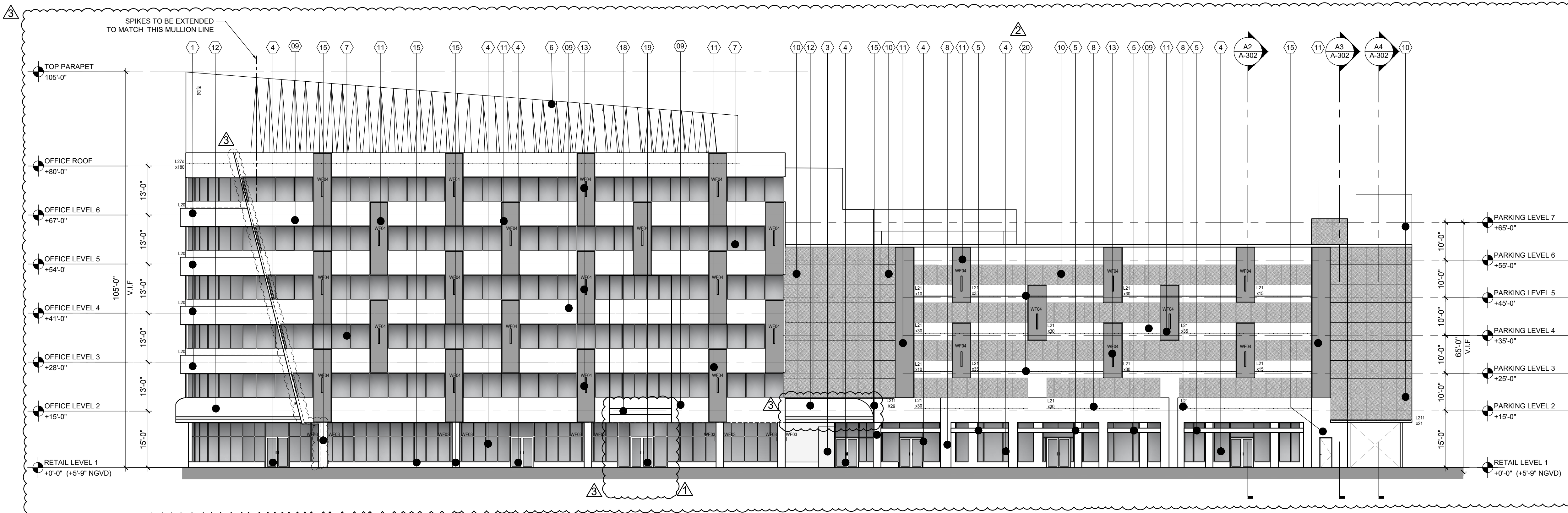
SHEET NUMBER
A-201



C1 PROPOSED EAST ELEVATION

KEY NOTES

- 1 PROPOSED FIBERGLASS PLANTER (SHOP DRAWING TO BE PROVIDED PRIOR APPROVAL)
- 2 EXISTING PARKING SIGN TO REMAIN
- 3 METAL PANEL COVER TO MATCH THE STUCCO COLOR BY OTHERS
- 4 EXISTING ALUMINUM STOREFRONT TO REMAIN. EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR (REFER TO MATERIAL 8 (A-501))
- 5 METAL CLADDING FINISH ON EXIST/PROPOSED EYEBROW OR CANOPY TO MATCH WITH SCREEN COLOR
- 6 PROPOSED DECORATIVE METAL CLADDING ON EXISTING PARAPET BY MORIN ARCHITECTURAL WALL OR APPROVED EQUAL (SHOP DRAWINGS TO BE PROVIDED) (REFER TO MATERIAL 7 (A-501))
- 7 EXIST. WINDOWS TO REMAIN. EXIST. MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR. EXIST. SEALANT WILL BE REPLACED (REFER TO MATERIAL 8 (A-501))
- 8 NOT USED
- 9 EXISTING STUCCO TO REMAIN, PATCH AND REPAIR AS REQUIRED
- 10 PROPOSED CUSTOM MTL. PERFORATED SCREEN (SHOP DRAWINGS TO BE PROVIDED) (REFER TO MATERIAL 1 (A-501))
- 11 PROPOSED 5" EPS PANEL FINISH CHAMPAGNE - ACID WASH STUCCO (SHOP DRAWINGS TO BE PROVIDED)
- 12 PROPOSED AWNING (UNDER SEPARATED PERMIT) (REFER TO MATERIAL 8 (A-501))
- 13 NATURAL TRAVERTINE STONE LED WALL SCONCE BY CASALOLA OR SIMILAR (REFER TO MATERIAL 5 (A-501))
- 15 CHAMPAGNE - ACID WASH STUCCO FINISH BY CONCRETE WORKS EAST TO COMPLETION OF WORK. (REFER TO MATERIAL 3 (A-501))
- 16 EXISTING DOOR WILL BE PAINTED TO MATCH CHAMPAGNE STUCCO FINISH COLOR
- 17 NOT USED
- 18 EXISTING CANOPY TO BE PAINTED TO MATCH WITH SCREEN COLOR
- 19 PROPOSED STOREFRONT (REFER TO DOOR SCHEDULE A-601)
- 20 PROPOSED LED LIGHTING L-21 BEHIND PARAPET (REFER TO SECTION A6/A-308) (REFER TO LIGHTING SCHEDULE A-202)



A1 PROPOSED WEST ELEVATION

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BID.
2. FOR ALUMINUM PANELS ATTACHMENT TYP. DETAIL REFER TO A-306.
3. FOR SCREEN DETAIL REFER TO A-307 & A-308.
4. ALL EXISTING MATERIALS AND FINISHES TO REMAIN MUST BE PROTECTED AND PATCHED/REPAIRED AS REQUIRED PRIOR TO COMPLETION OF WORK.
5. REFER TO LIGHTING PACKAGE FOR LIGHTING DETAILS
6. REFER TO A-501 FOR MATERIAL

WATERPROOFING GENERAL NOTES:

- Proposed waterproofing with ExoAir 230. Fluid-Applied, Synthetic Air & Vapor Permeable Membrane from Tremco or equal approved.
- Substrate preparation:
 - Surface to be coated must be dry, clean, smooth, firm, free of release agents, dust, mud, loose mortar, wires, fins, metal, projections or any other substances that might prevent placement and bonding of membrane.
 - CMU walls shall have all joints filled and struck flush. Mortar should be cured a minimum of 7 days. Any voids shall be patched with mortar, a non-shrinking grout or other approved patching material.
 - All concrete substrates shall be clean and free of all release agents. Any voids shall be patched with mortar, non-shrinking grout or other approved patching material.
- Fasteners: Fasteners should be flush with the surface of the substrate. Fasteners which are protruding from or sunk below the face of the substrate shall be treated with a detail coat of Dymonic 100, or Tremflex 834 prior to the installation of EXOAIR® 230. The detail sealants may be coated over once a skin has developed. If the fastener penetration occurs after the EXOAIR® 230 membrane has been installed, detail all fastener penetrations not flush to the EXOAIR® 230 membrane with Dymonic 100 or Spectrem 1 sealant.
- Penetrations: Penetrations must be rigidly supported through membrane as to not allow movement of penetrating item.
- For installation procedures for ExoAir® 230 fluid-applied air and vapor permeable synthetic membrane, please refer to the manufacturer application instructions document.

VALET PARKING SUBMITTED UNDER SEPARATED PERMIT. BC2425012			
PROPOSED EYEBROW REFER TO ED-202 FOR DEMOLITION DETAIL. * REFER TO STRUCTURAL DRAWINGS PER DETAILS			
LIGHTING SCHEDULE			
FIXTURE TYPE	MANUFACT.	INPUT/ LIGHT SOURCE	DESCRIPTION
WF-03	CASALOLA	90-260V 6W DIMMABLE / 90-260V 6W 2700K	WALL MOUNTED, LED SCONCE, NATURAL TRAVERTINE STONE BODY, WEATHERPROOF, 2700K DIMMABLE IP65, UL LISTED. 4
WF-04	CASALOLA	90-260V 23W DIMMABLE / 90-260V 23W 2700K	WALL MOUNTED, LED SCONCE, NATURAL TRAVERTINE STONE BODY, WEATHERPROOF, 2700K DIMMABLE IP65, UL LISTED.
L-20	LUMINII	120-277V 96W 0-10V CLASS II / 24VDC 2.74/FT LED 2700K CRI 80	SURFACE MOUNTED VERTICAL BENDING LED STRIP FOR OUTDOORS. SILICONE PROFILE, ALUMINUM STEEL MOUNTING BRACKET, TERMINATOR CAP, CABLE AND CONNECTION COVERS, 15x40 OPTICS. DIMMING POWER SUPPLY (0-10V), IP67, WET & UL LISTED.
L-21	LUMINII	110-277VAC 12W 0-10V / 3.6W LED 2700K CRI 97 PUBLISHED DELIVERED LUMENS: 280 LM/FT	SURFACE MOUNTED LED LINEAR FIXTURE. EXTRUDED ALUMINUM WHITE FINISH, UV STABILIZED POLYCARBONATE, ADJUSTABLE BRACKETS, IP68, UL LISTED. (COLOR TONE: WARM, YELLOWISH GLOW)
JB	T.B.D	T.B.D	ELECTRICAL JUNCTION BOX CONCEALED, FOR FUTURE IMPLEMENTATION.

THE LINCOLN BL

1691 MICHIGAN
MIAMI BEACH, FL 33139



DWG. TITLE
EAST AND WEST ELEVATION

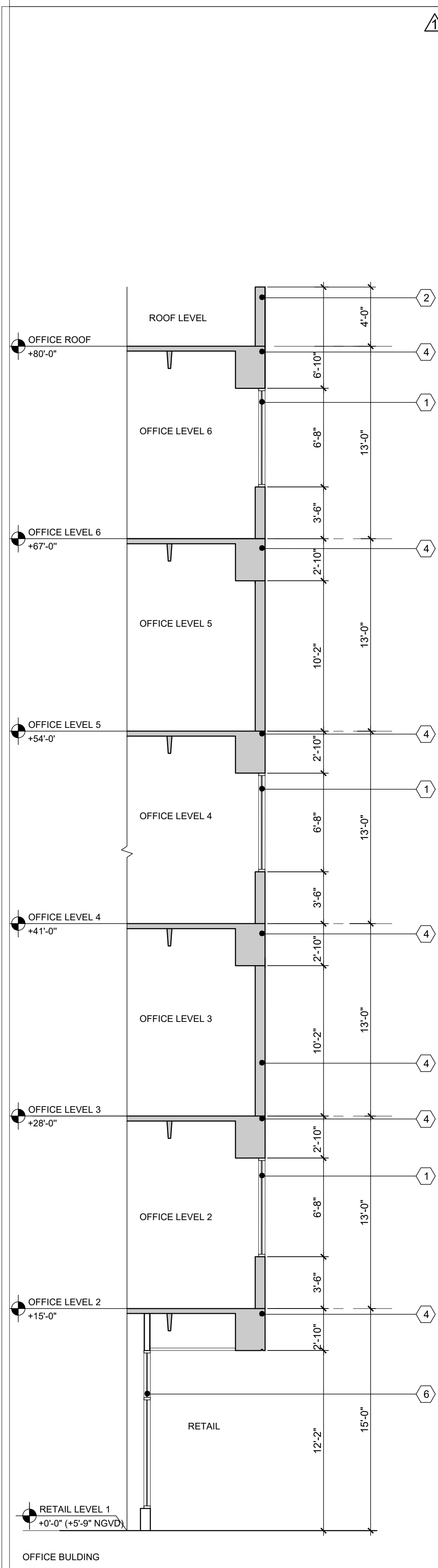
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PROJECT NO.
2023-33

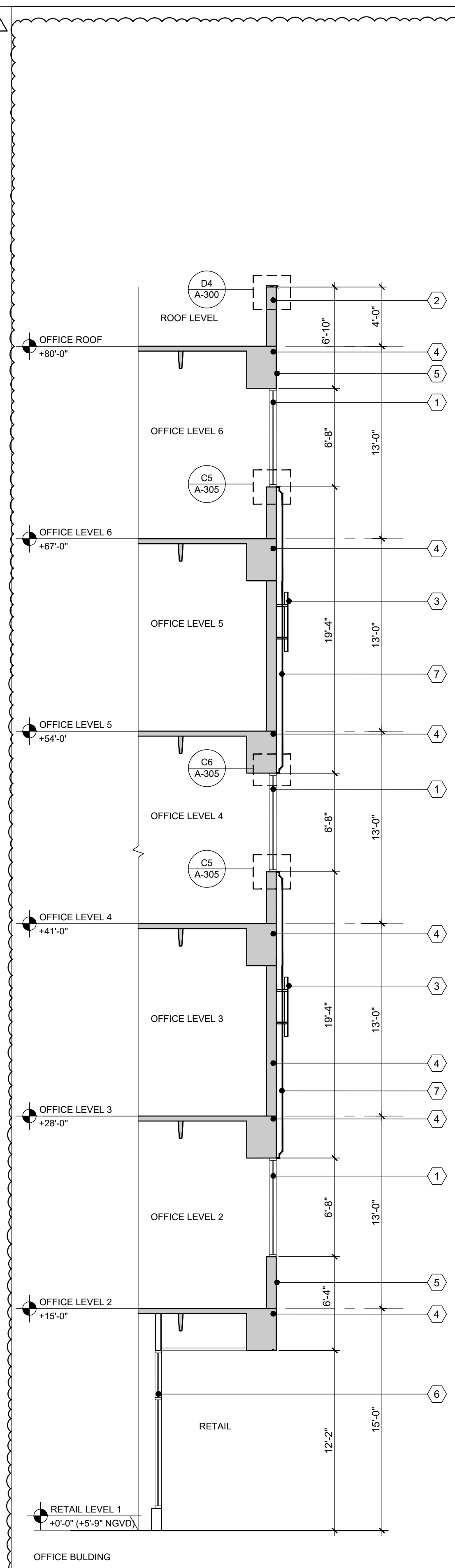
DATE
2023-33

REVISION
07-07-2025

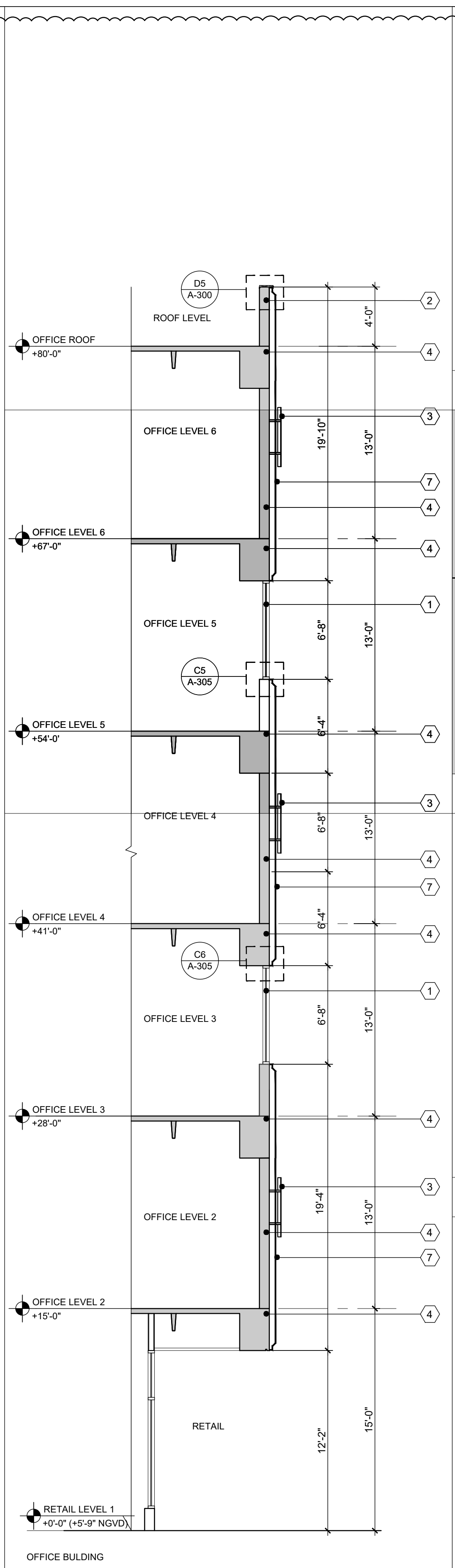
SHEET NUMBER
A-202



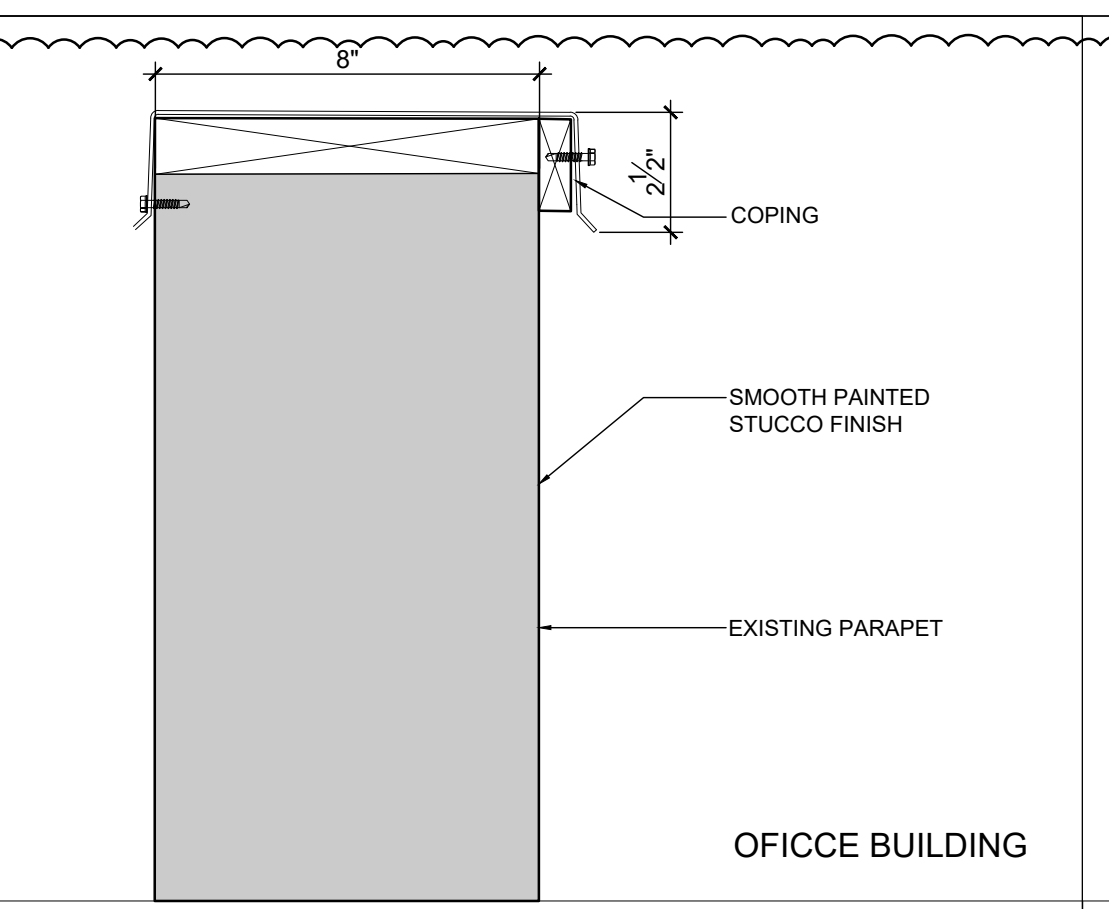
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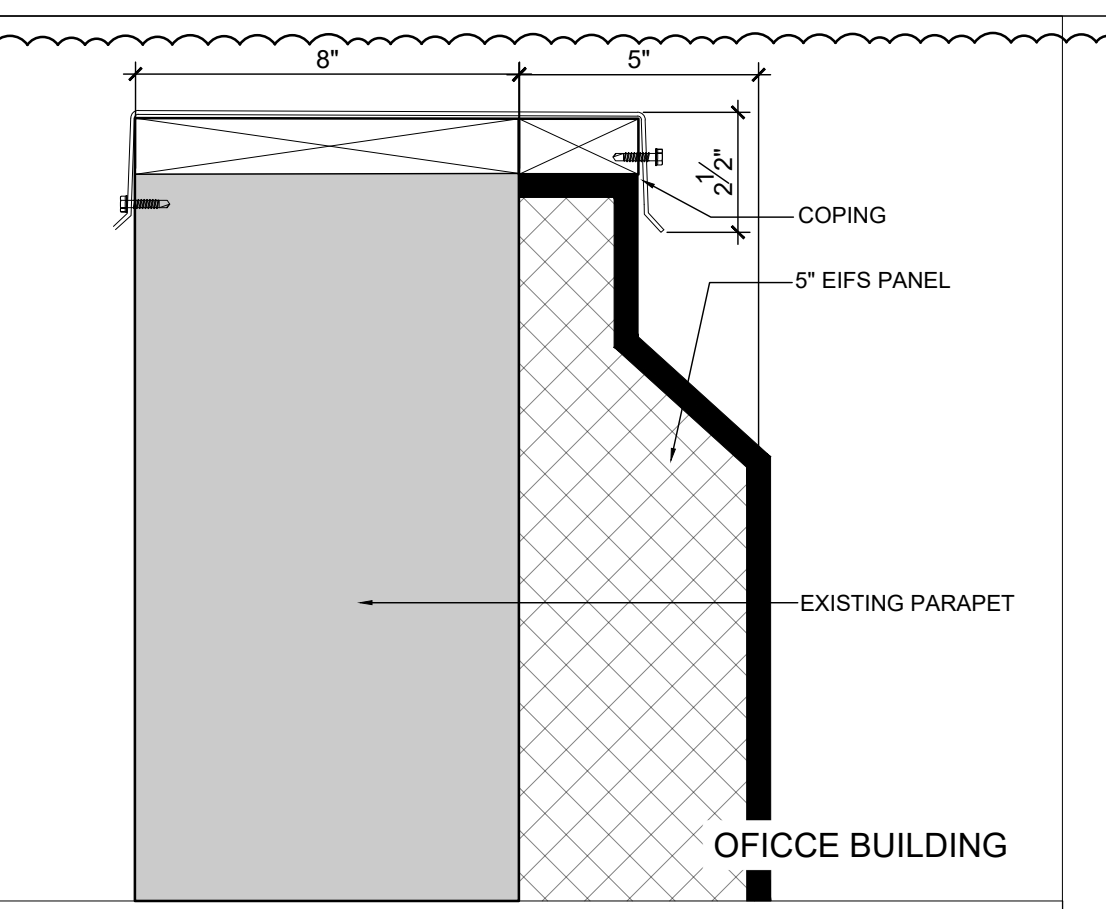
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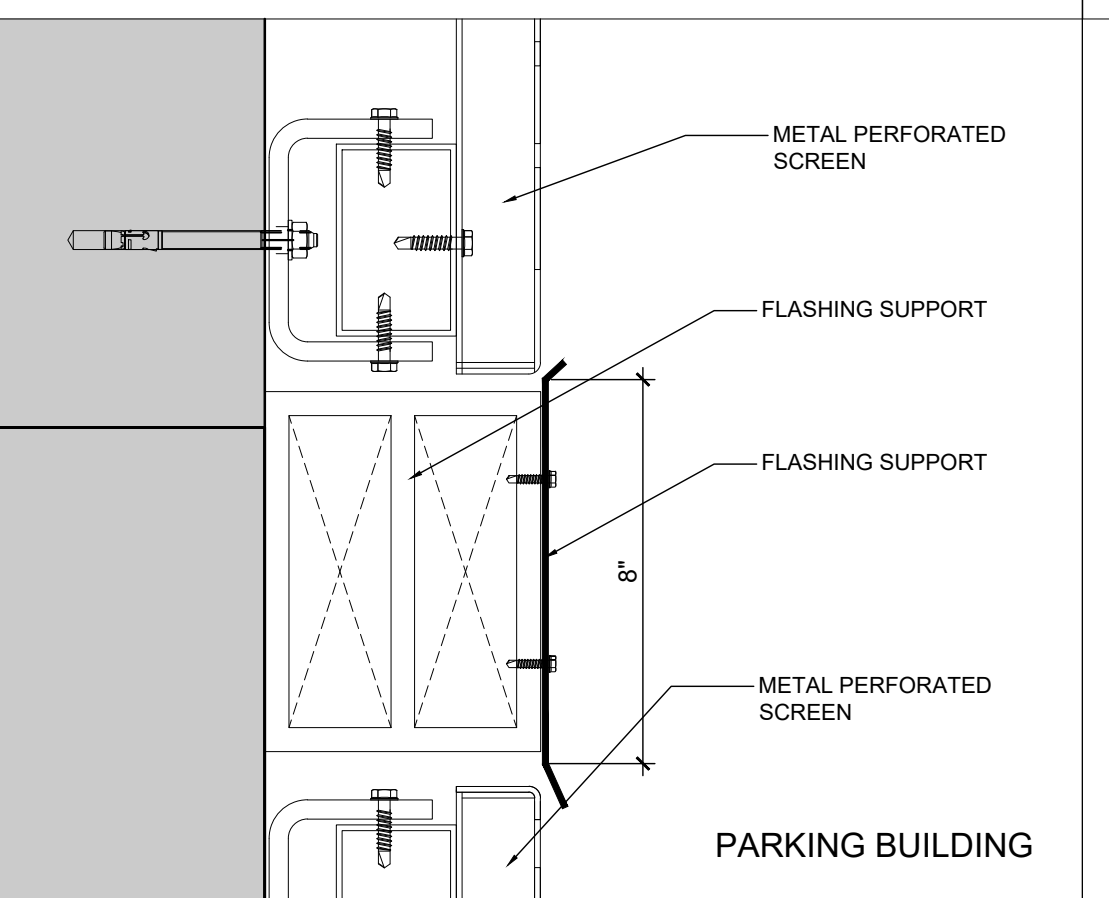
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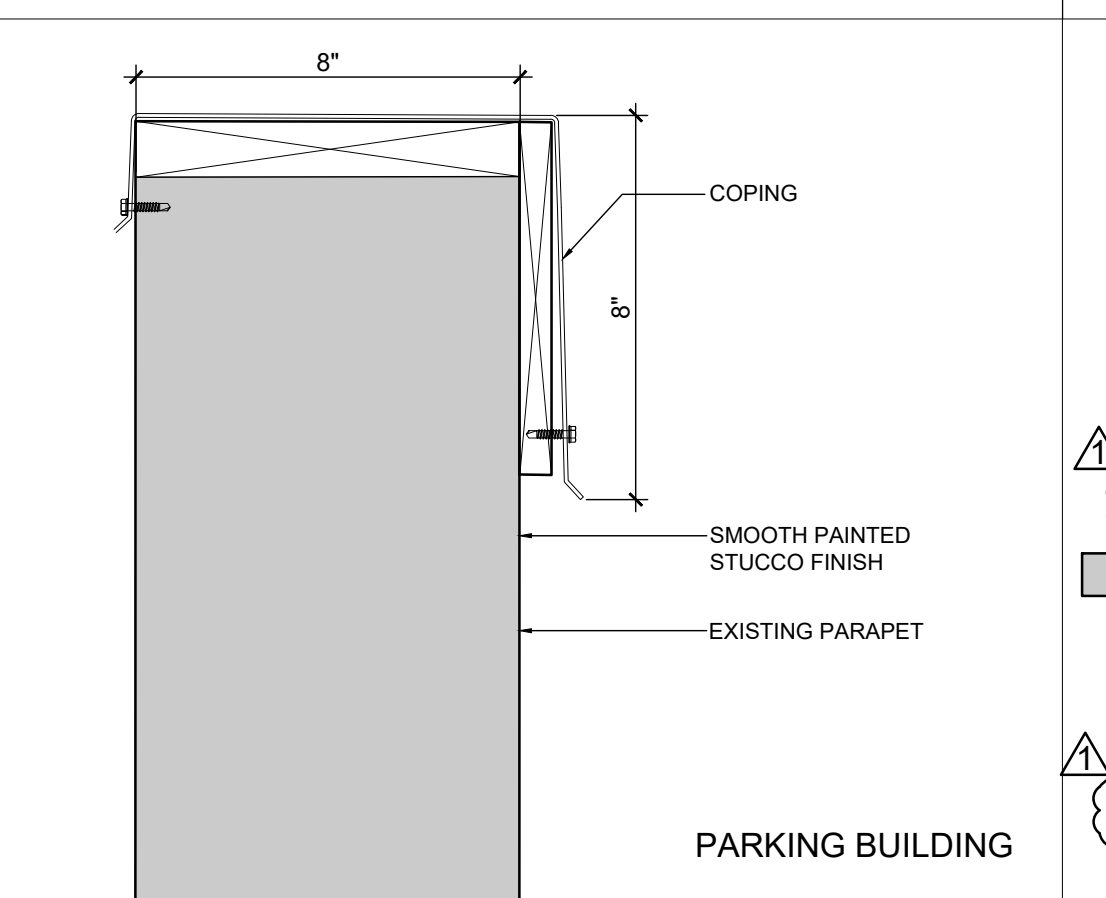
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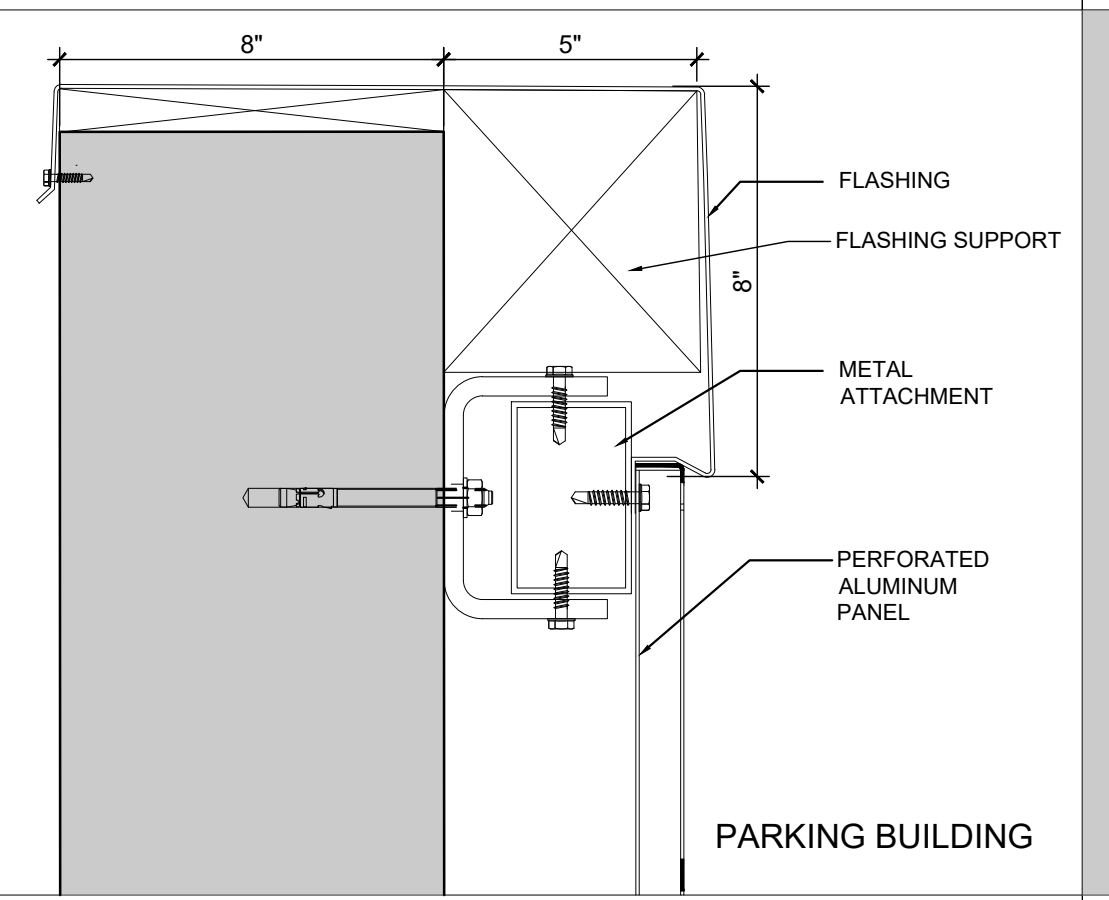
D5 COPING DETAIL SCALE: 3" = 1'-0"



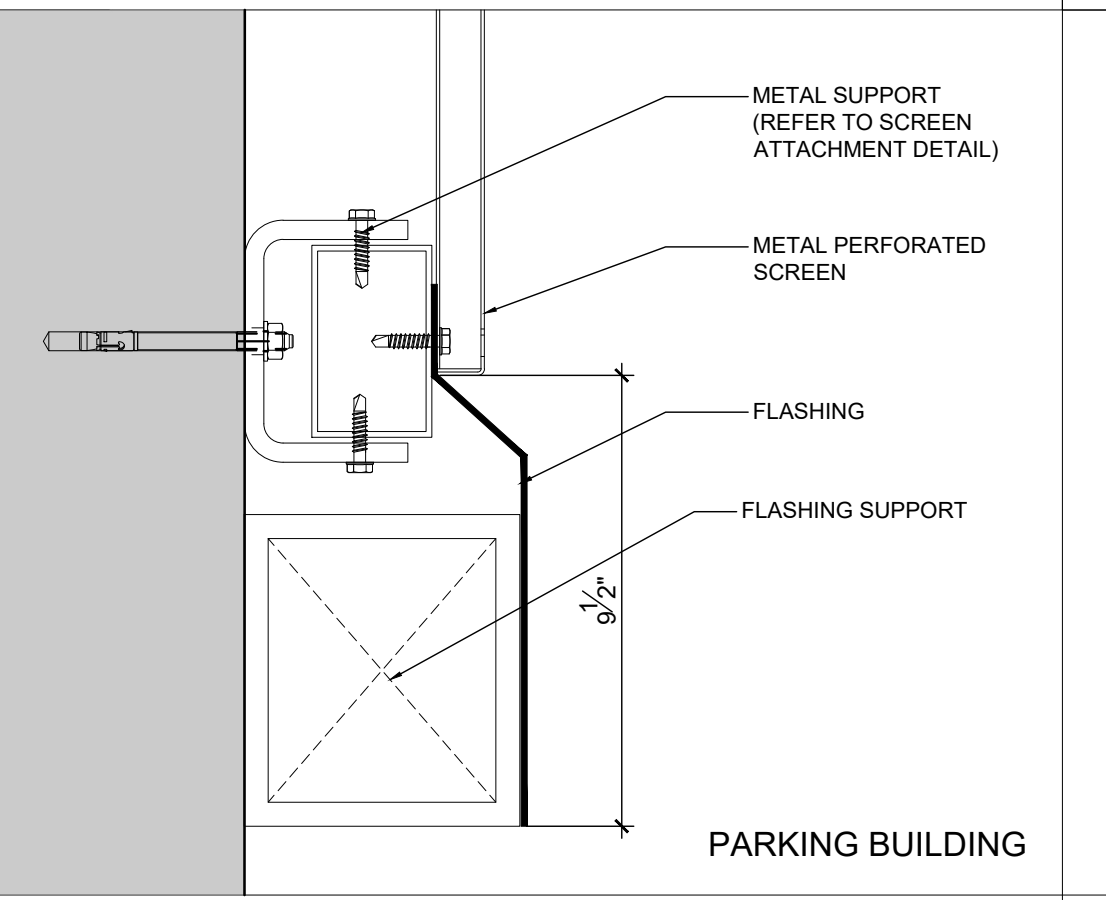
C4 FASHING DETAIL SCALE: 3" = 1'-0"



C5 COPING DETAIL SCALE: 3" = 1'-0"



B4 COPING DETAIL SCALE: 3" = 1'-0"



B5 BOTTOM FLASHING DETAIL SCALE: 3" = 1'-0"

LEGEND

- ① EXISTING WINDOWSTOREFRONT TO REMAIN. EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR (REFER TO MATERIAL 9 (A-501))
- ② EXISTING PARAPET TO REMAIN
- ③ PROPOSED WALL SCONCES ATTACHMENT BY OTHER (REFER TO LIGHTING PACKAGE AND ELEVATIONS) (REFER TO MATERIAL 5 (A-501))
- ④ EXISTING STRUCTURE TO REMAIN
- ⑤ SMOOTH PAINTED STUCCO FINISH CHAMPAGNE COLOR
- ⑥ EXISTING ALUMINUM STOREFRONT TO REMAIN. EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR (REFER TO MATERIAL 9 (A-501))
- ⑦ PROPOSED 5' EIFS PANEL FINISH CHAMPAGNE - ACID WASH STUCCO (SHOP DRAWINGS TO BE PROVIDED)

GENERAL NOTES

1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BID.
2. FOR EIFS PANEL ATTACHMENT DETAIL REFER TO A-305
3. REFER TO A-501 FOR MATERIAL.

C6 KEY NOTES & GENERAL NOTES SCALE: N.T.S.

B6 NOT USED SCALE:

CONSULTANT

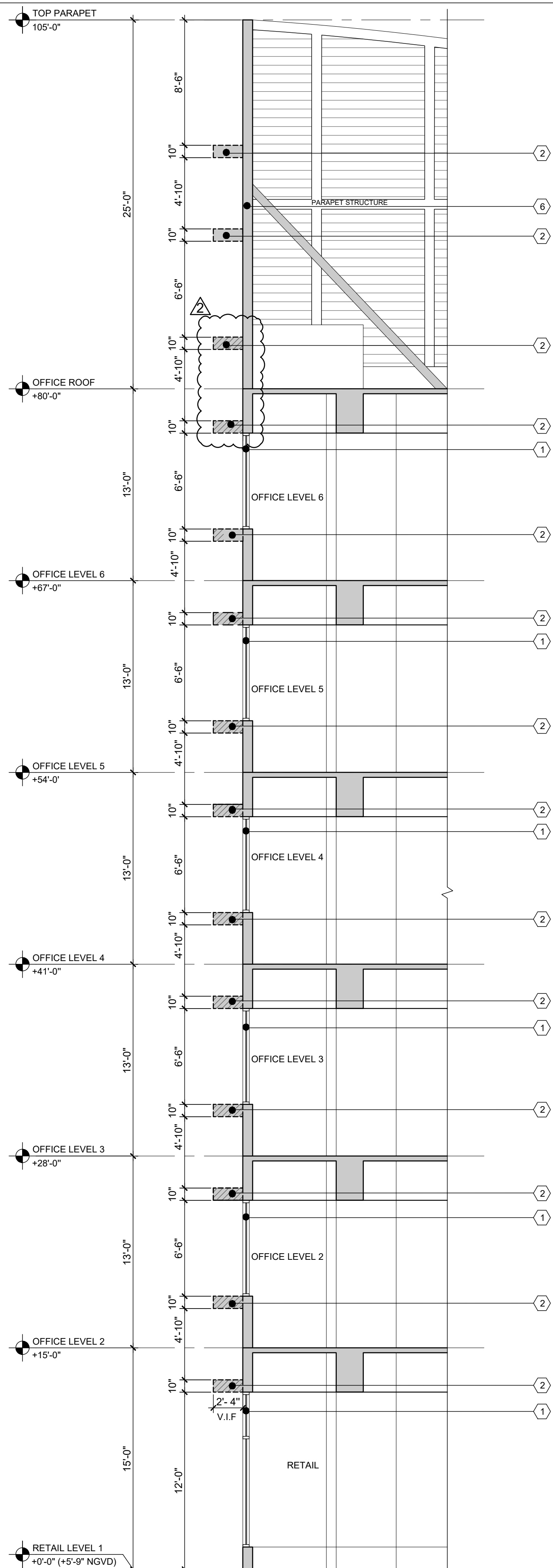
THE LINCOLN BL
 1691 MICHIGAN
 MIAMI BEACH, FL 33139



DWG. TITLE	NORTH WALL SECTION & DETAILS
SCALE	AS SHOWN
PROJECT NO.	2023-33
DATE	07-07-2025
SHEET NUMBER	1

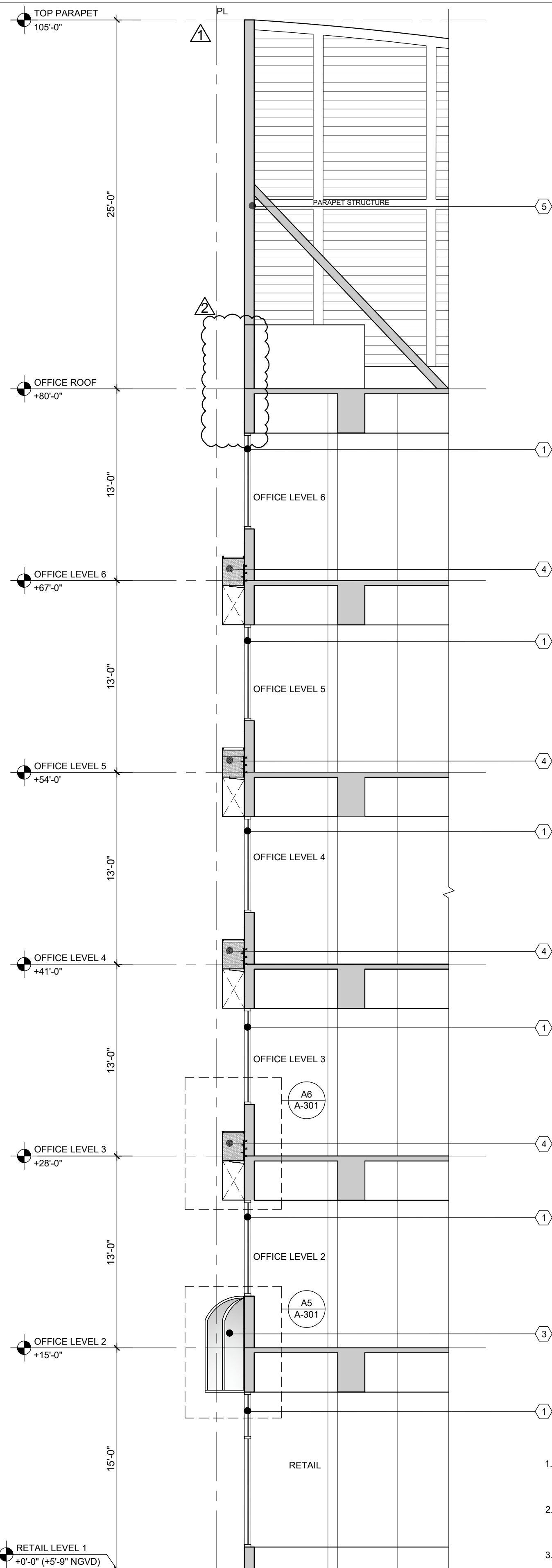
DATE	12-30-2025	REVISION	OWNER REVISION
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A-300



A1 EXIST/DEMO NORTH-WEST WALL SECTION

SCALE: 3/16"=1'-0"



A3 PROPOSED NORTH-WEST WALL SECTION

SCALE: 3/16"=1'-0"

LEGEND

- ① EXISTING WINDOW/STOREFRONT TO REMAIN. EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR (REFER TO MATERIAL 9 (A-501))
- ② EXISTING EYEBROW TO BE DEMOLISHED
- ③ PROPOSED AWNING (UNDER SEPARATED PERMIT) (REFER TO MATERIAL 8 (A-501))
- ④ PROPOSED FIBERGLASS PLANTER (SHOP DRAWING TO BE PROVIDED)
- ⑤ EXISTING MECHANICAL SCREEN TO REMAIN. NEW FINISH WILL BE PROVIDED.

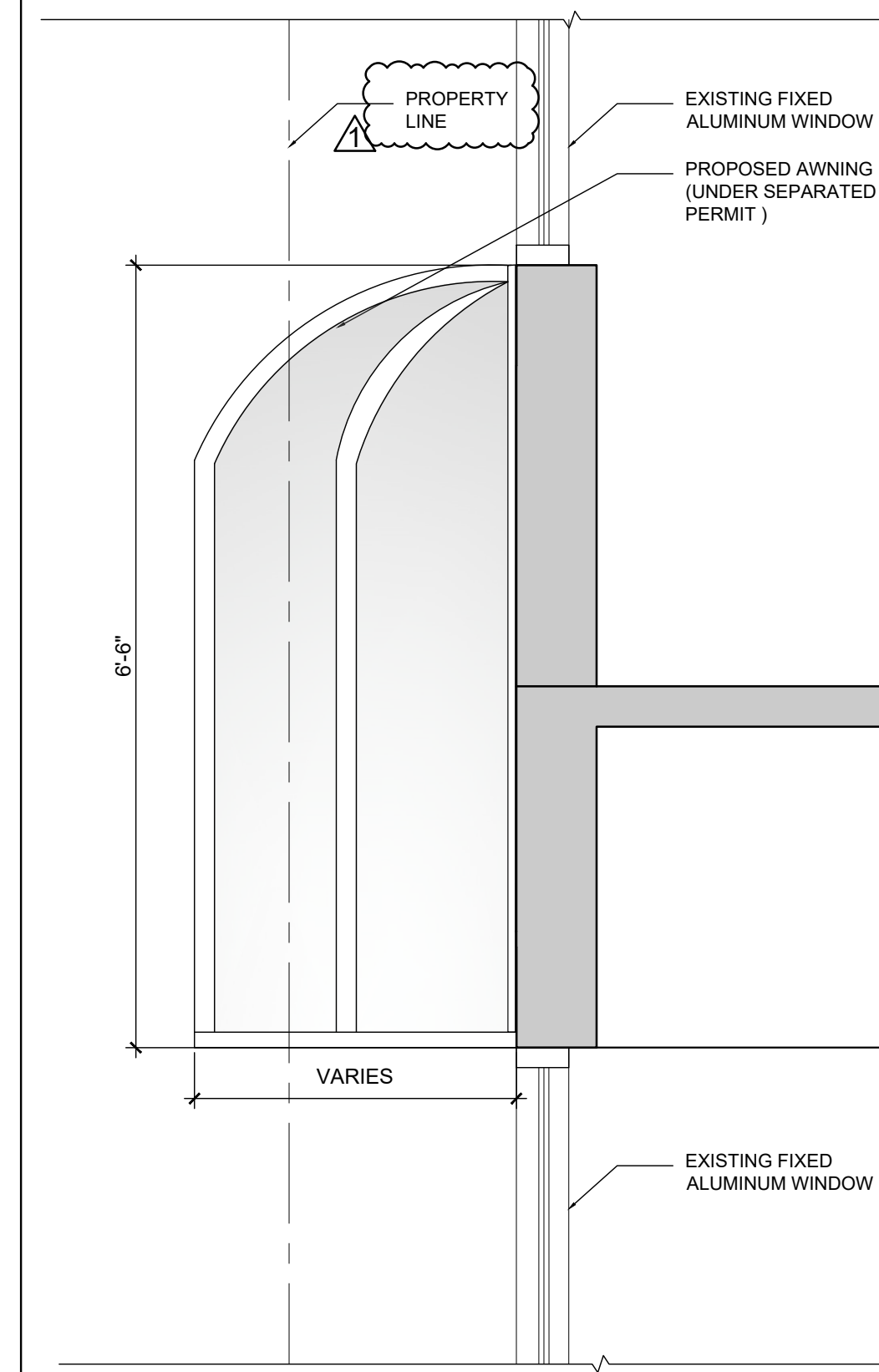
- EXISTING STRUCTURE/CMU
- ▨ EXISTING EYEBROW TO REMOVE

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BID.
2. ALL EXISTING MATERIALS AND FINISHES TO REMAIN MUST BE PROTECTED AND PATCHED/REPAIRED AS REQUIRED PRIOR TO COMPLETION OF WORK.
3. REFER TO A-501 FOR MATERIAL.

D5 NOT USED SCALE:

C5 NOT USED SCALE: C6 NOT USED SCALE:



A5 PROPOSED SECTION AWNING

SCALE: 3/4"=1'-0"

A6 NOT USED SCALE:

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MIAMI BEACH, FL 33139



DWG. TITLE
NORTH-WEST OFFICE
PLANTER SECTION

SCALE
AS SHOWN

PROJECT NO.
2023-33

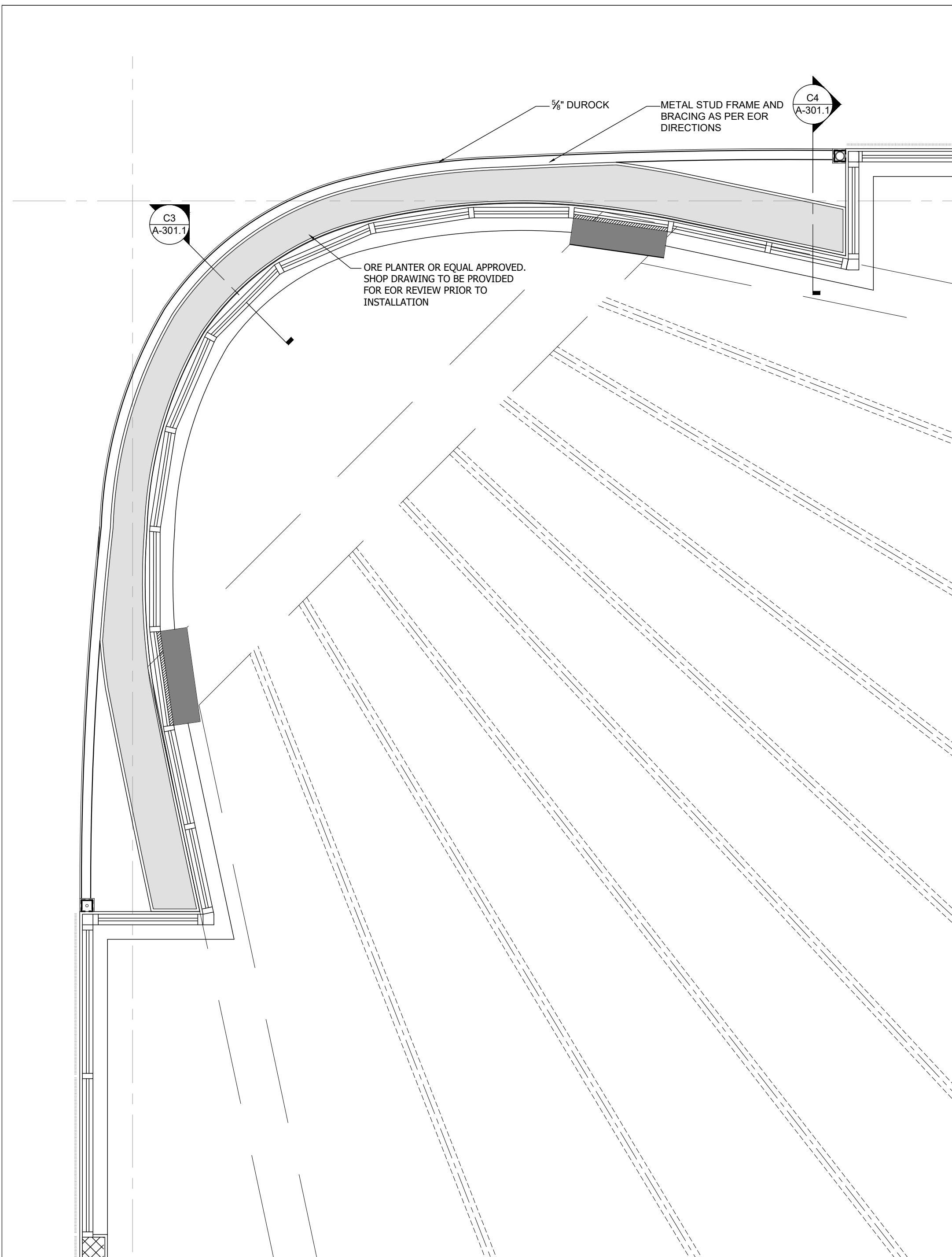
DATE
07-07-2025

2 12-30-2025 OWNER REVISION

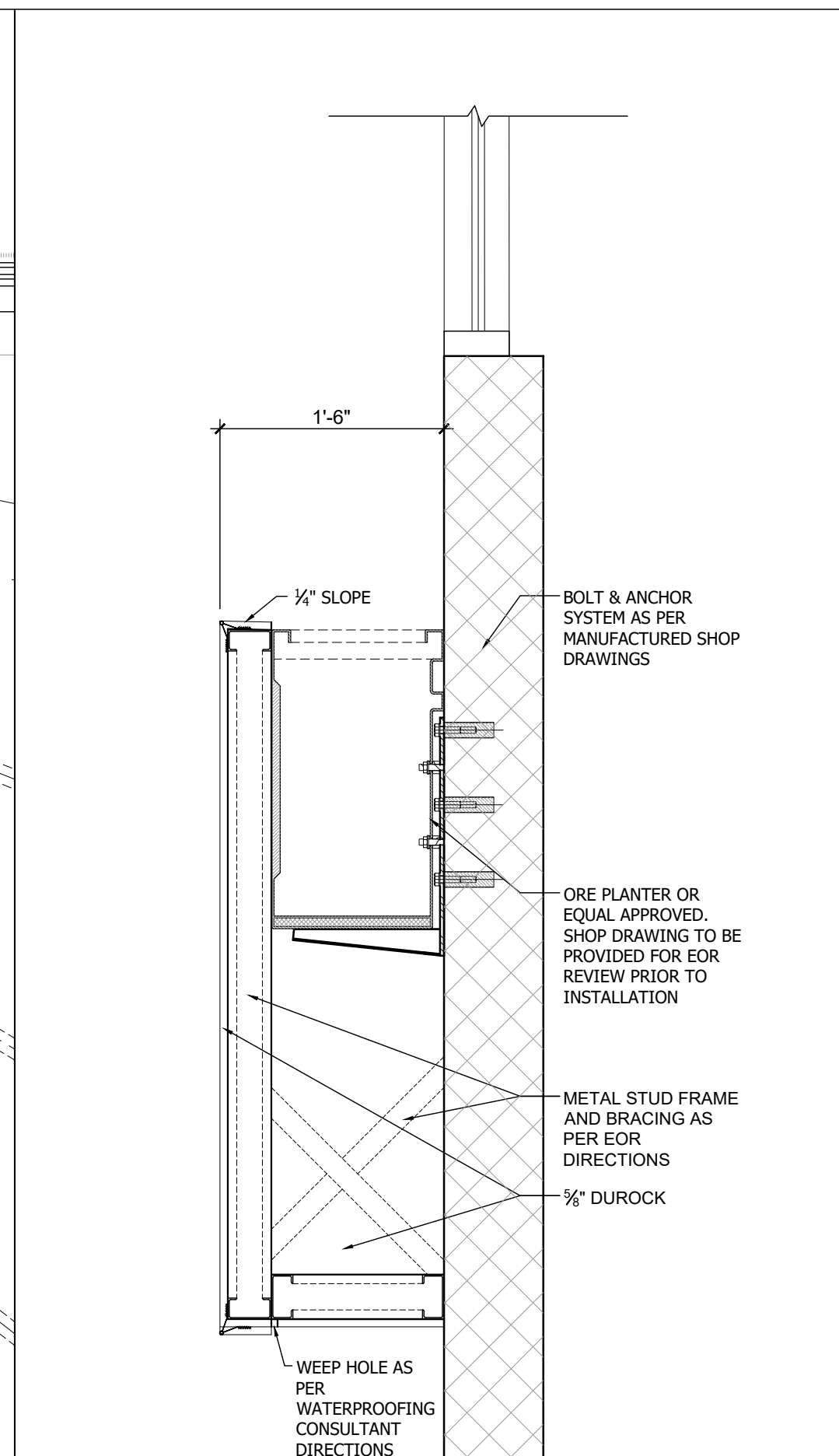
1 03-26-2025 CITY COMMENTS

SHEET NUMBER
A-301

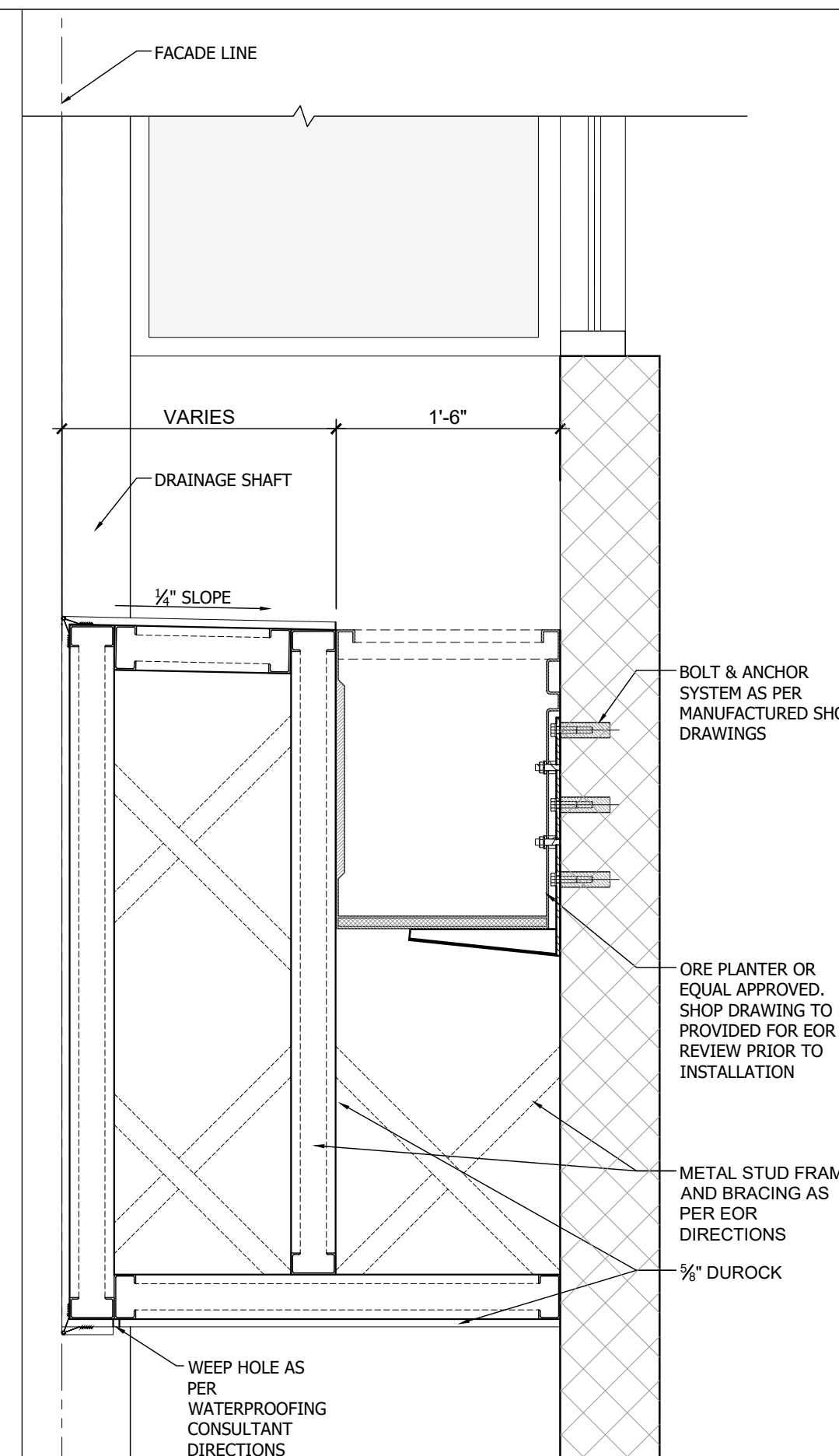
△ DATE REVISION



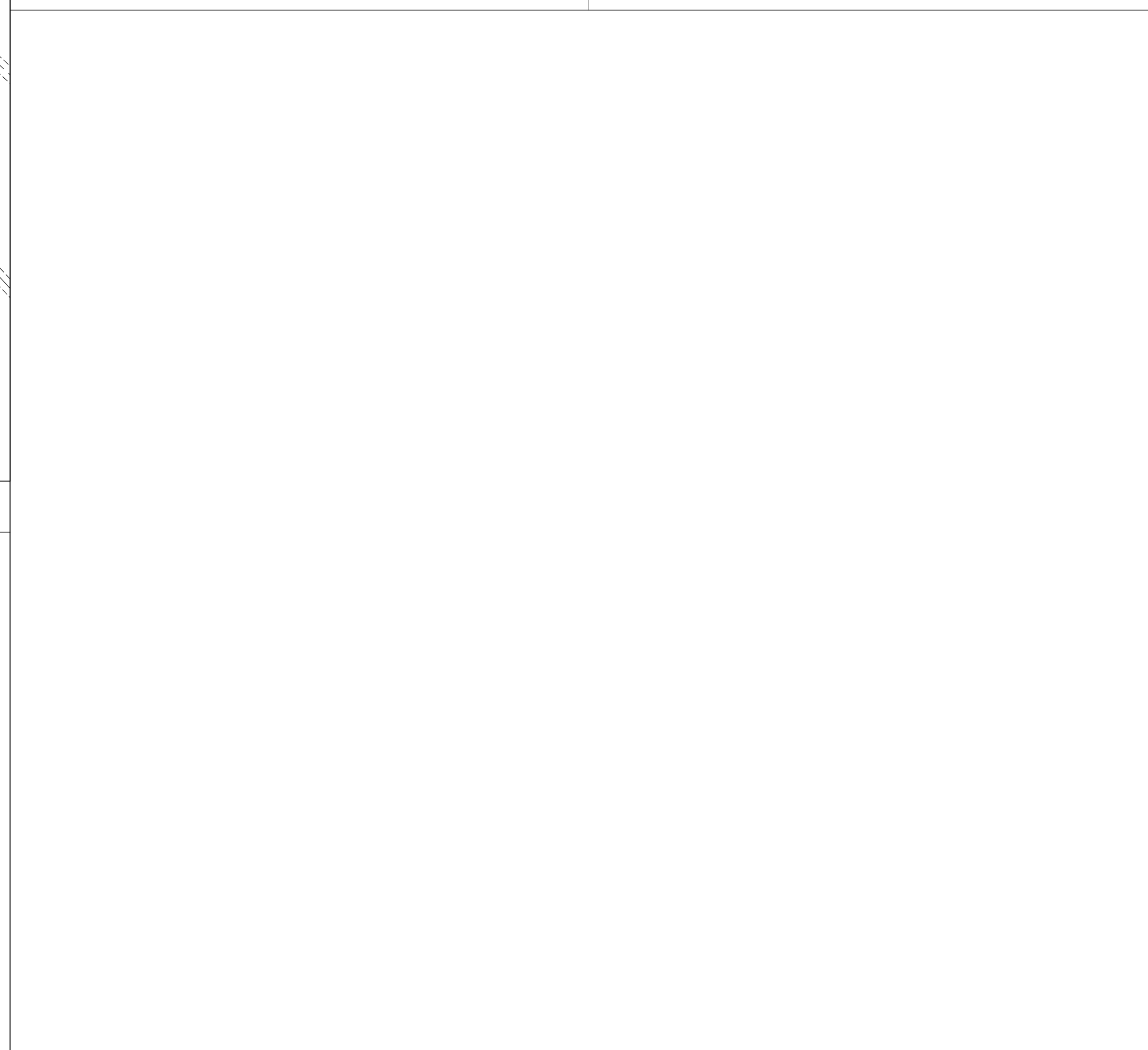
B1 NORTH-WEST OFFICE PLANTER SECTION DETAILS (TYP.) SCALE: 3/8"=1'-0"



C3 TEX SCALE:



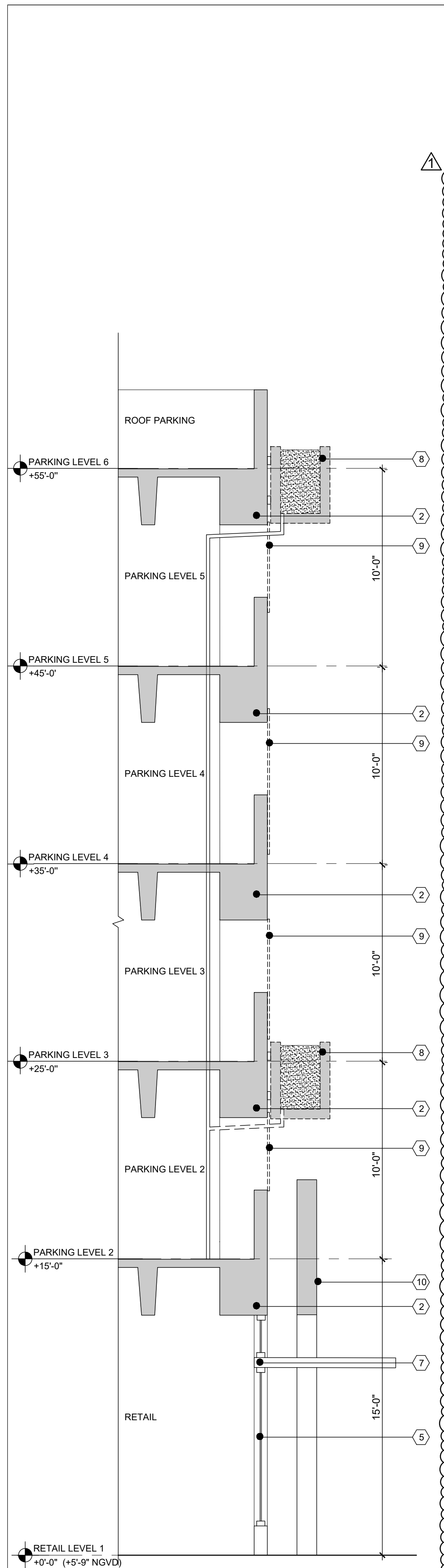
C4 TEX SCALE:



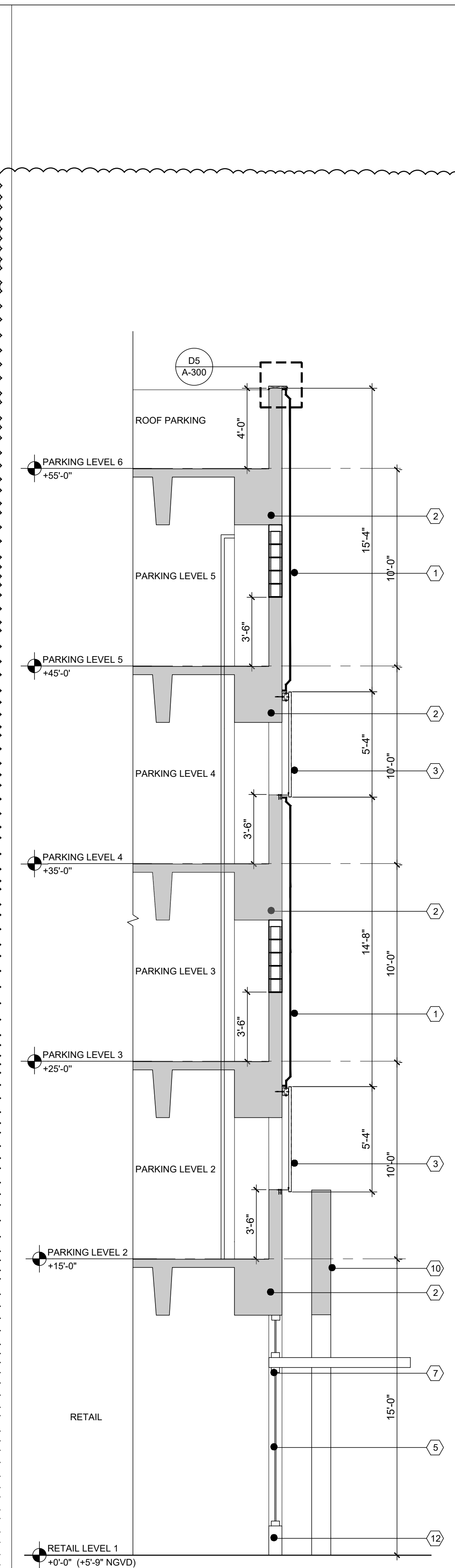
THE LINCOLN BL
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 MIAMI BEACH, FL 33139



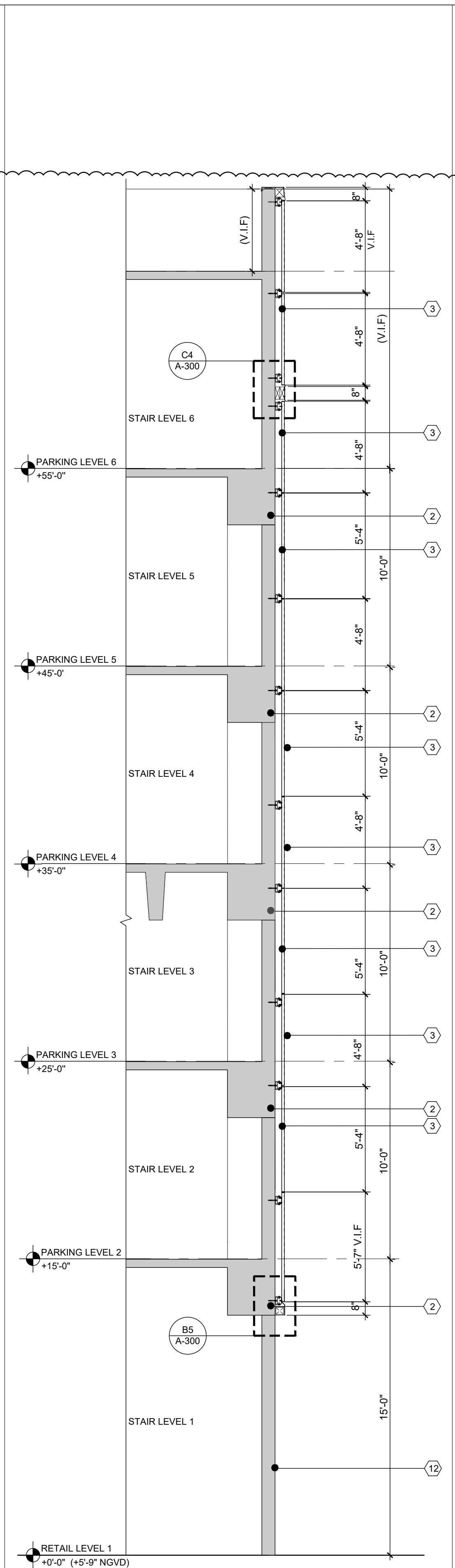
DWG. TITLE		NORTH-WEST OFFICE
SCALE		AS SHOWN
PROJECT NO.		2023-33
DATE		07-07-2025
SHEET NUMBER		A-301.1
1	12-30-2025	OWNER REVISION
△	DATE	REVISION



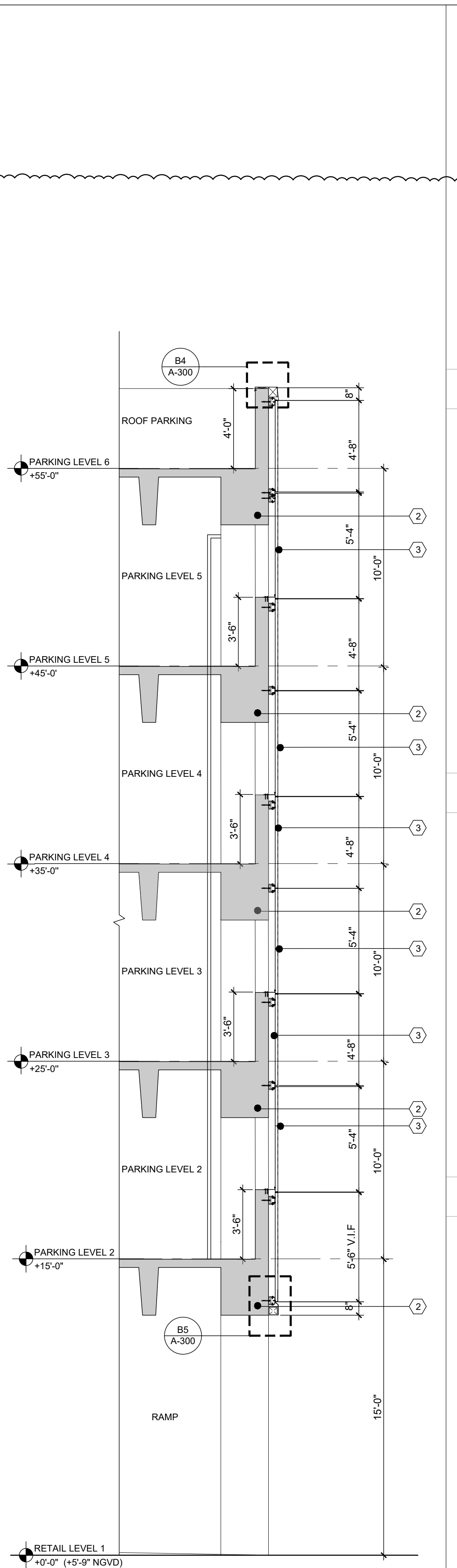
A1 EXISTING WEST WALL SECTION SCALE: 1/4"=1'-0"



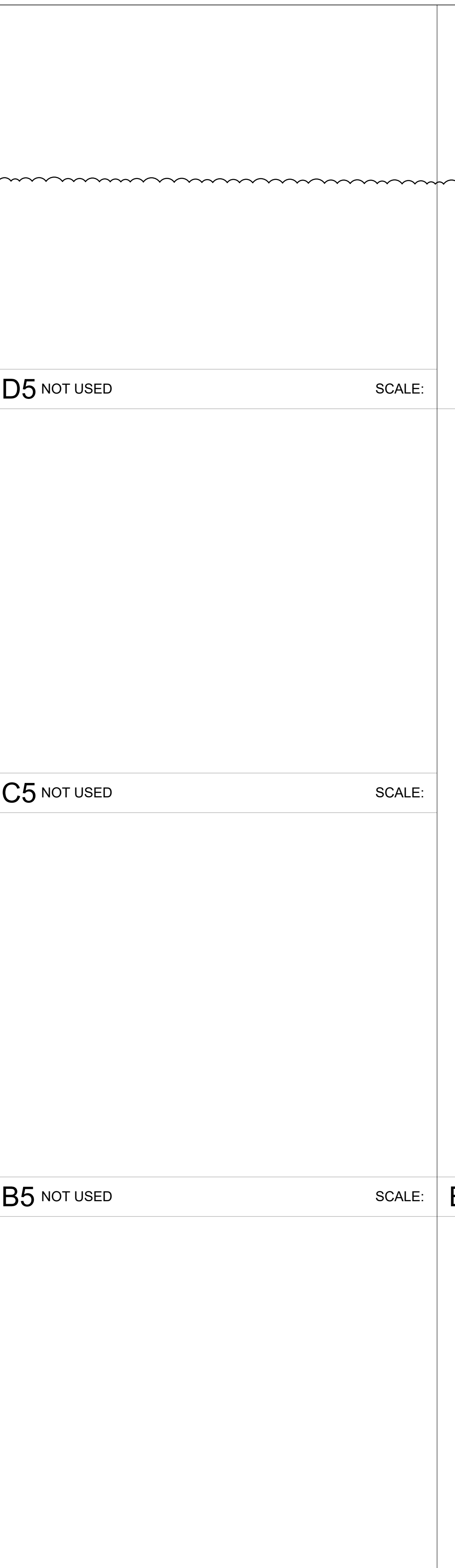
A2 PROPOSED WEST WALL SECTION SCALE: 1/4"=1'-0"



A3 PROPOSED WEST WALL SECTION SCALE: 1/4"=1'-0"



A4 PROPOSED WEST WALL SECTION SCALE: 1/4"=1'-0"



A5 NOT USED SCALE:



A6 NOT USED SCALE:

D5 NOT USED SCALE:

C5 NOT USED SCALE:

B5 NOT USED SCALE:

B6 KEY NOTES & GENERAL NOTES SCALE: N.T.S

- LEGEND**
- 1 PROPOSED 5" EIFS PANEL FINISH CHAMPAGNE - ACID WASH STUCCO (SHOP DRAWINGS TO BE PROVIDED)
 - 2 EXISTING STRUCTURE TO REMAIN
 - 3 PROPOSED CUSTOM METAL PERFORATED SCREEN (REFER TO MATERIAL 1 (A-501))
 - 4 EXIST. DRAIN LINES TO REMAIN AND CAP (EXTERIOR VISIBLE PORTION WILL BE REMOVED)
 - 5 EXISTING STOREFRONT*
 - 6 EXISTING WINDOWS TO REMAIN*
 - 7 EXISTING CANOPY**
 - 8 EXISTING FIBERGLASS PLANTER TO BE DEMOLISHED
 - 9 EXIST. ALUMINUM SCREEN TO BE REMOVED (TYP.)
 - 10 EXISTING TILE TO REMAIN
 - 11 PROPOSED PARAPET FOR SCREEN ATTACHMENT (REFER TO STRUCTURAL DRAWINGS)
 - 12 CHAMPAGNE - ACID WASH STUCCO FINISH BY CONCRETE WORKS EAST OR SIMILAR (REFER TO MATERIAL 3 (A-501))

- KEY NOTES**
- * EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR
 - ** METAL CLADDING FINISH ON EXIST. CANOPY TO MATCH WITH SCREEN COLOR

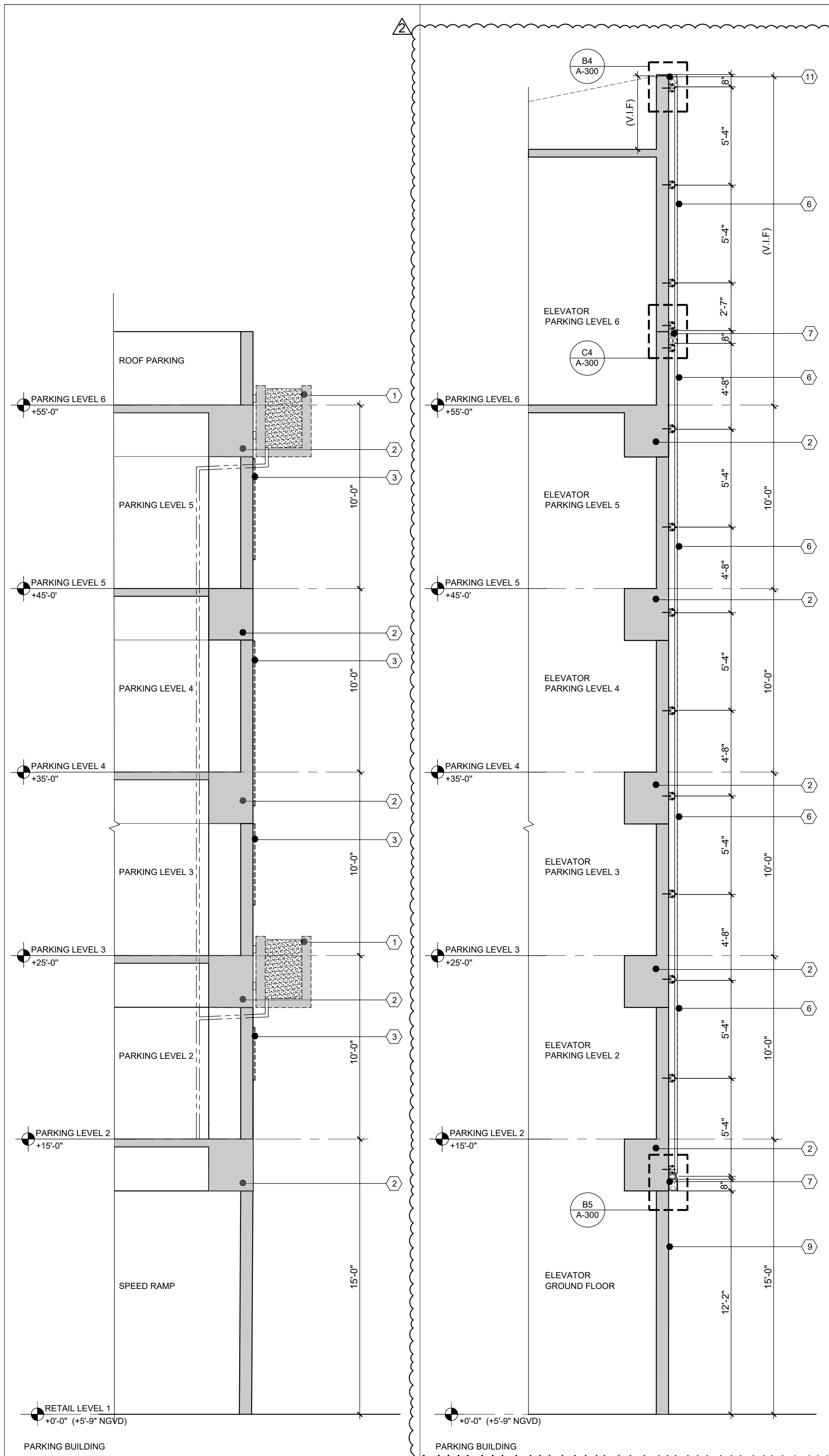
- GENERAL NOTES**
1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BID.
 2. EXISTING STRUCTURE BEHIND SCREEN AND CLADDING SHOULD BE PAINTED TO MATCH WITH CHAMPAGNE- ACID STUCCO. REFER TO A-501 FOR MATERIAL

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DWG. TITLE		WEST WALL SECTION & TYP. PARKING PLANTER SECTION
SCALE		AS SHOWN
PROJECT NO.		2023-33
DATE		07-07-2025
SHEET NUMBER		1
DATE	REVISION	12-30-2025 OWNER REVISION

A-302



A1 EXISTING SOUTH WALL SECTION SCALE: 1/4"=1'-0"

A2 PROPOSED SOUTH WALL SECTION SCALE: 1/4"=1'-0"

A3 NOT USED SCALE:

A4 NOT USED SCALE:

A5 NOT USED SCALE:

A6 NOT USED SCALE:

D3 NOT USED SCALE:

A4 NOT USED SCALE:

D5 NOT USED SCALE:

C3 NOT USED SCALE:

C4 NOT USED SCALE:

C5 NOT USED SCALE:

B3 NOT USED SCALE:

B4 NOT USED SCALE:

A5 NOT USED SCALE:

B6 KEY NOTES & GENERAL NOTES SCALE: N.T.S.

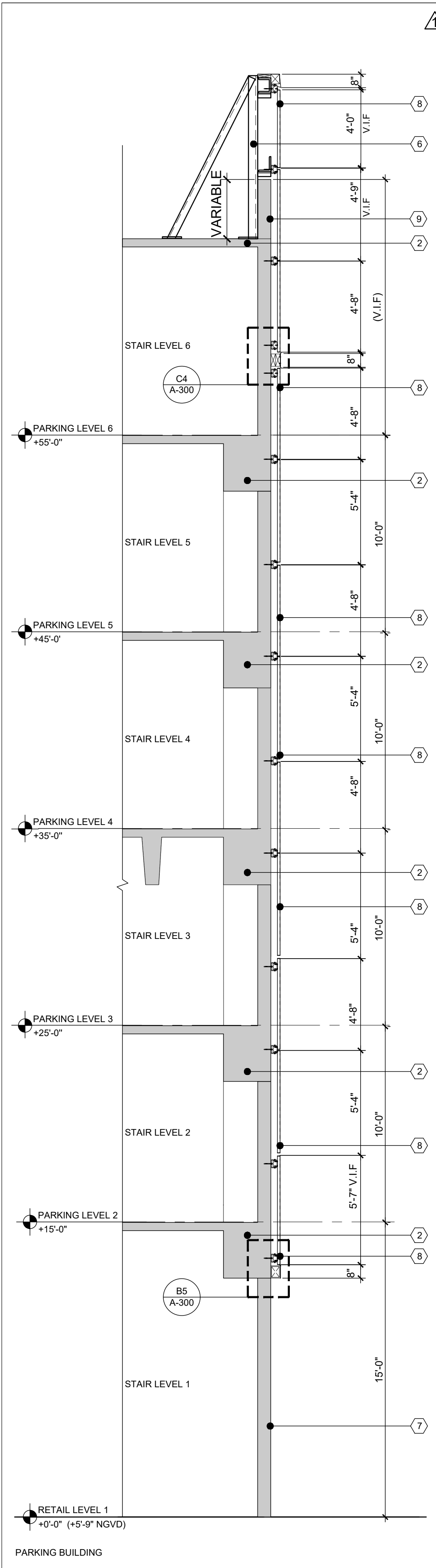
- LEGEND**
- ① EXISTING FIBERGLASS PLANTER TO BE DEMOLISHED
 - ② EXISTING STRUCTURE TO REMAIN
 - ③ EXIST. ALUMINUM SCREEN TO BE REMOVED (TYP.)
 - ④ NOT USED
 - ⑤ NOT USED
 - ⑥ PROPOSED CUSTOM METAL PERFORATED SCREEN (REFER TO MATERIAL 1/A-501)
 - ⑦ PROPOSED FLASHING
 - ⑧ EXISTING STUCCO TO MATCH WITH CHAMPAGNE- ACID WASH STUCCO
 - ⑨ CHAMPAGNE - ACID WASH STUCCO FINISH BY CONCRETE WORKS EAST OR SIMILAR (REFER TO MATERIAL 3/A-501)
 - ⑩ LED LINEAR FIXTURE (REFER TO A6/A-308)
 - ⑪ PROPOSED 8" COPING

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BID.
 2. FOR SCREEN DETAIL REFER TO A-307 & A-308.
 3. EXISTING STRUCTURE BEHIND SCREEN AND CLADDING SHOULD BE PAINTED TO MATCH CHAMPAGNE- ACID STUCCO.
 4. REFER TO A-501 FOR MATERIAL
- FIBER GLASS PLANTER TO BE DEMOLISHED

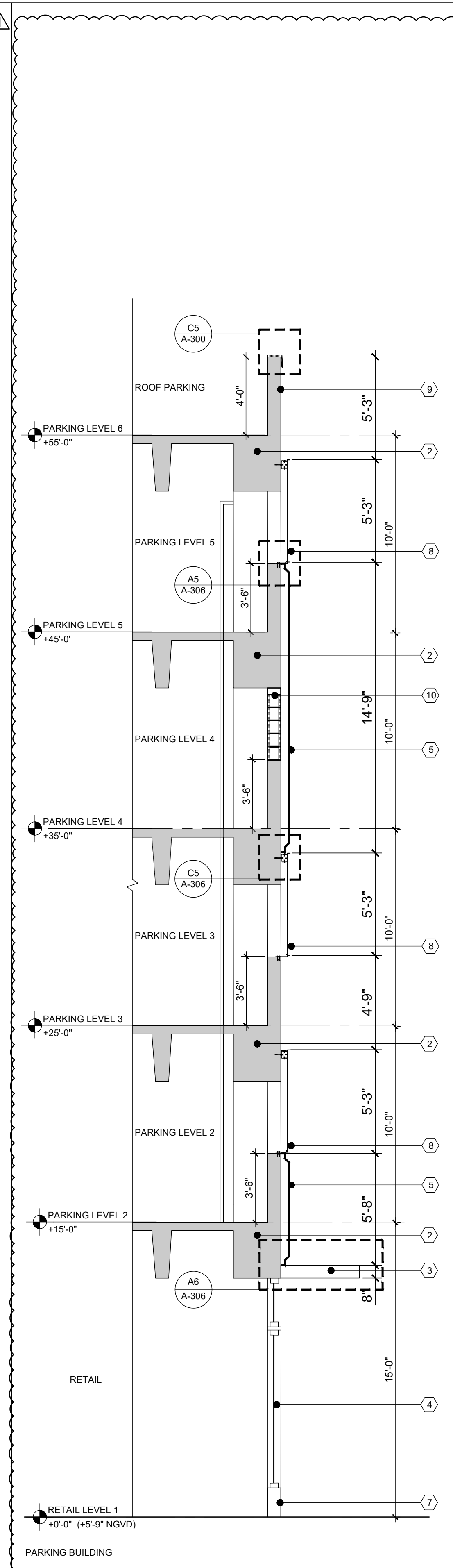
THE LINCOLN BL
 1691 MICHIGAN
 MIAMI BEACH, FL 33139



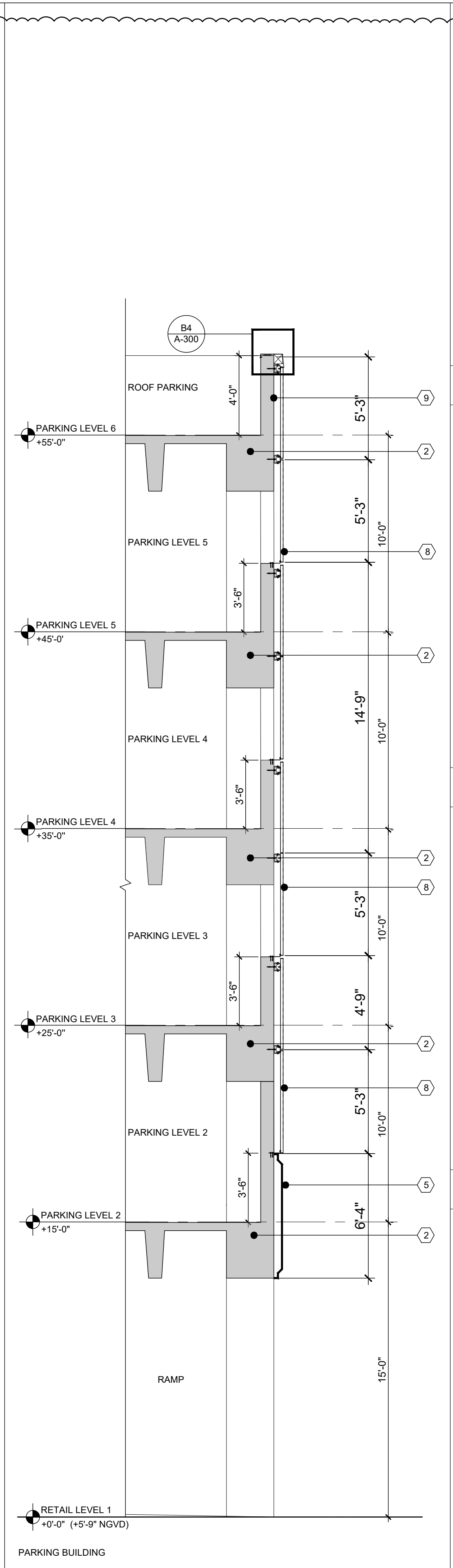
DWG. TITLE		SOUTH WALL SECTION & COPING DETAIL	
SCALE		AS SHOWN	
PROJECT NO.		2023-33	
DATE		07-07-2025	
2	12-30-2025	OWNER REVISION	
1	03-26-2025	CITY COMMENTS	
SHEET NUMBER		A-303	
△	DATE	REVISION	



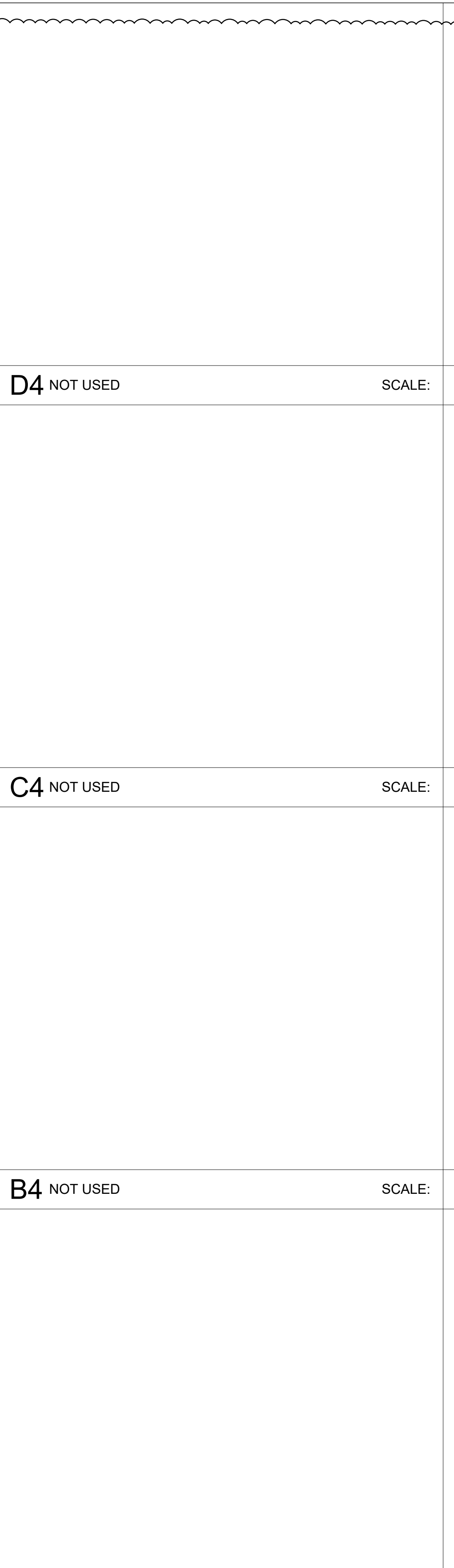
A1 PROPOSED EAST WALL SECTION SCALE: 1/4"=1'-0"



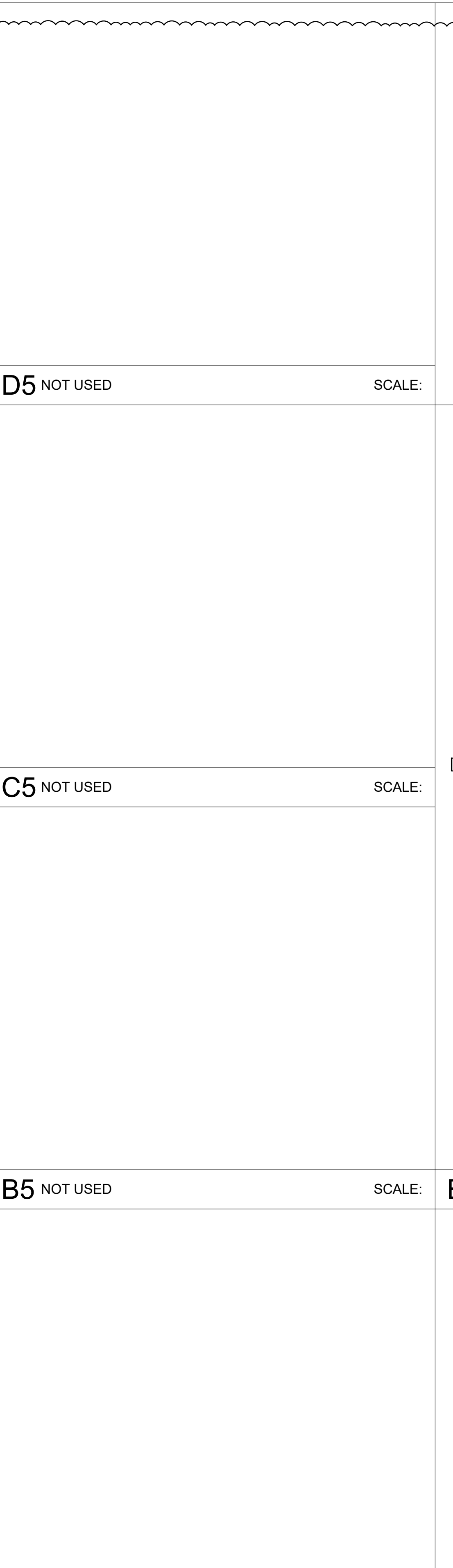
A2 PROPOSED EAST WALL SECTION SCALE: 1/4"=1'-0"



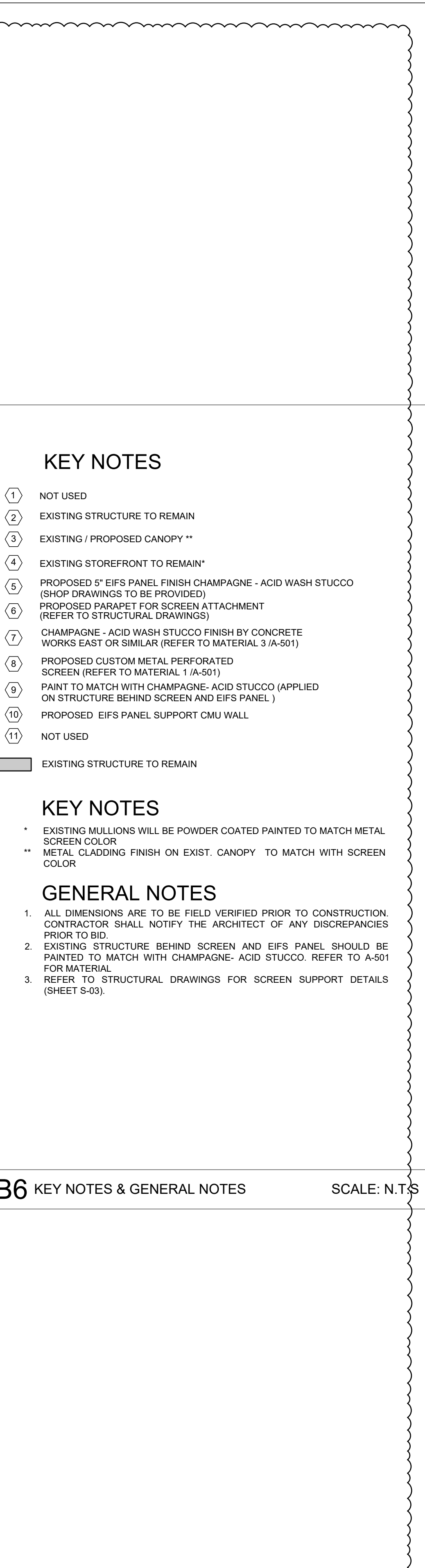
A3 PROPOSED EAST WALL SECTION SCALE: 1/4"=1'-0"



A4 NOT USED SCALE:



A5 NOT USED SCALE:



A6 NOT USED SCALE:

D4 NOT USED SCALE:

D5 NOT USED SCALE:

C4 NOT USED SCALE:

C5 NOT USED SCALE:

B4 NOT USED SCALE:

B5 NOT USED SCALE:

B6 KEY NOTES & GENERAL NOTES SCALE: N.T.S

- ### KEY NOTES
- ① NOT USED
 - ② EXISTING STRUCTURE TO REMAIN
 - ③ EXISTING / PROPOSED CANOPY **
 - ④ EXISTING STOREFRONT TO REMAIN*
 - ⑤ PROPOSED 5' EIFS PANEL FINISH CHAMPAGNE - ACID WASH STUCCO (SHOP DRAWINGS TO BE PROVIDED)
 - ⑥ PROPOSED PARAPET FOR SCREEN ATTACHMENT (REFER TO STRUCTURAL DRAWINGS)
 - ⑦ CHAMPAGNE - ACID WASH STUCCO FINISH BY CONCRETE WORKS EAST OR SIMILAR (REFER TO MATERIAL 3 (A-501))
 - ⑧ PROPOSED CUSTOM METAL PERFORATED SCREEN (REFER TO MATERIAL 1 (A-501))
 - ⑨ PAINT TO MATCH WITH CHAMPAGNE- ACID STUCCO (APPLIED ON STRUCTURE BEHIND SCREEN AND EIFS PANEL)
 - ⑩ PROPOSED EIFS PANEL SUPPORT CMU WALL
 - ⑪ NOT USED
- EXISTING STRUCTURE TO REMAIN

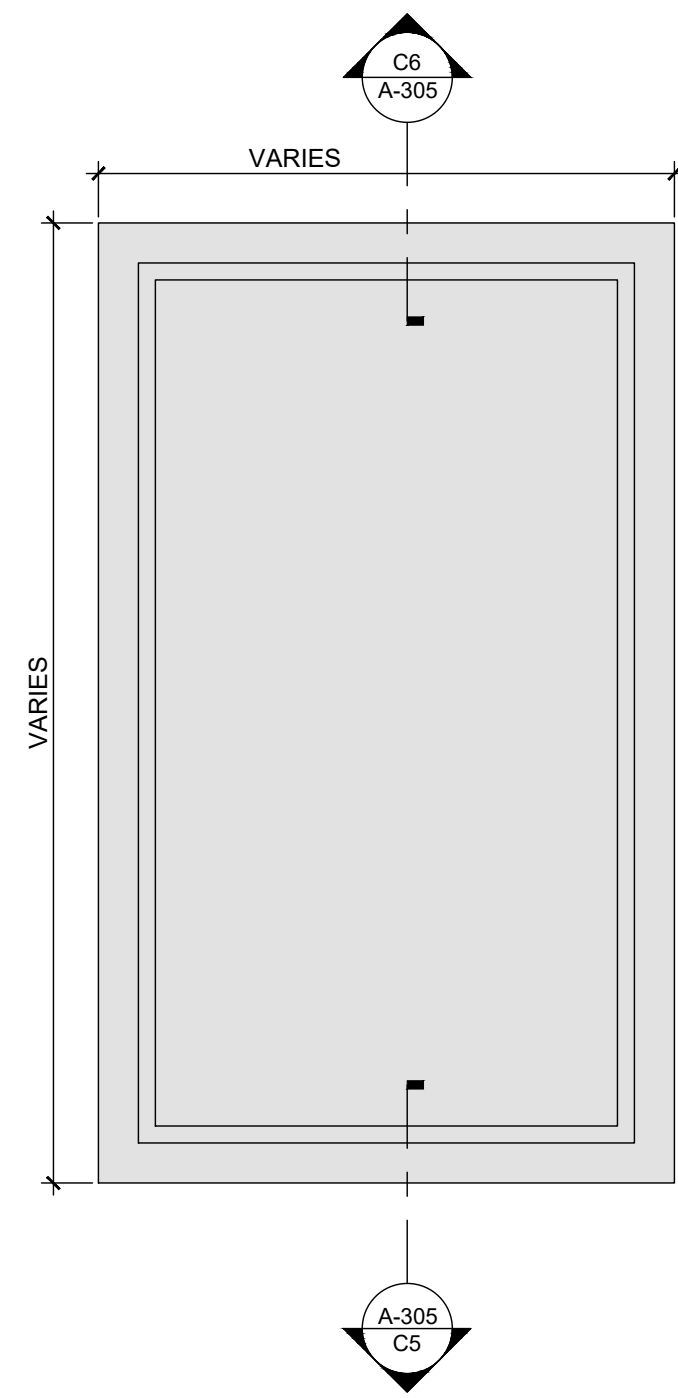
- ### KEY NOTES
- * EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR
 - ** METAL CLADDING FINISH ON EXIST. CANOPY TO MATCH WITH SCREEN COLOR

- ### GENERAL NOTES
1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BID.
 2. EXISTING STRUCTURE BEHIND SCREEN AND EIFS PANEL SHOULD BE PAINTED TO MATCH WITH CHAMPAGNE- ACID STUCCO. REFER TO A-501 FOR MATERIAL
 3. REFER TO STRUCTURAL DRAWINGS FOR SCREEN SUPPORT DETAILS (SHEET S-03).

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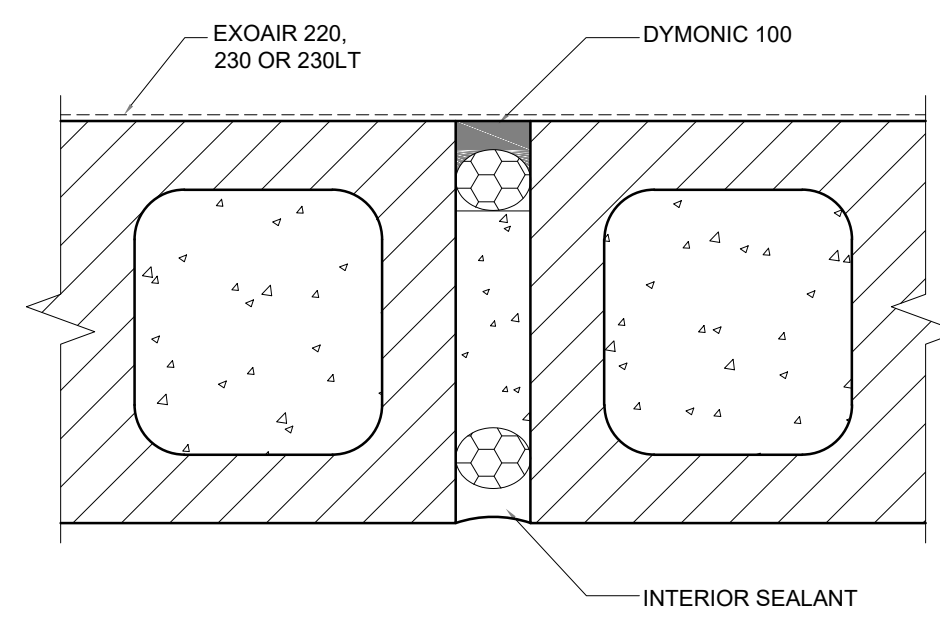


DWG. TITLE	EAST WALL SECTION
SCALE	AS SHOWN
PROJECT NO.	2023-33
DATE	07-07-2025
SHEET NUMBER	1
DATE	12-30-2025
REVISION	OWNER REVISION

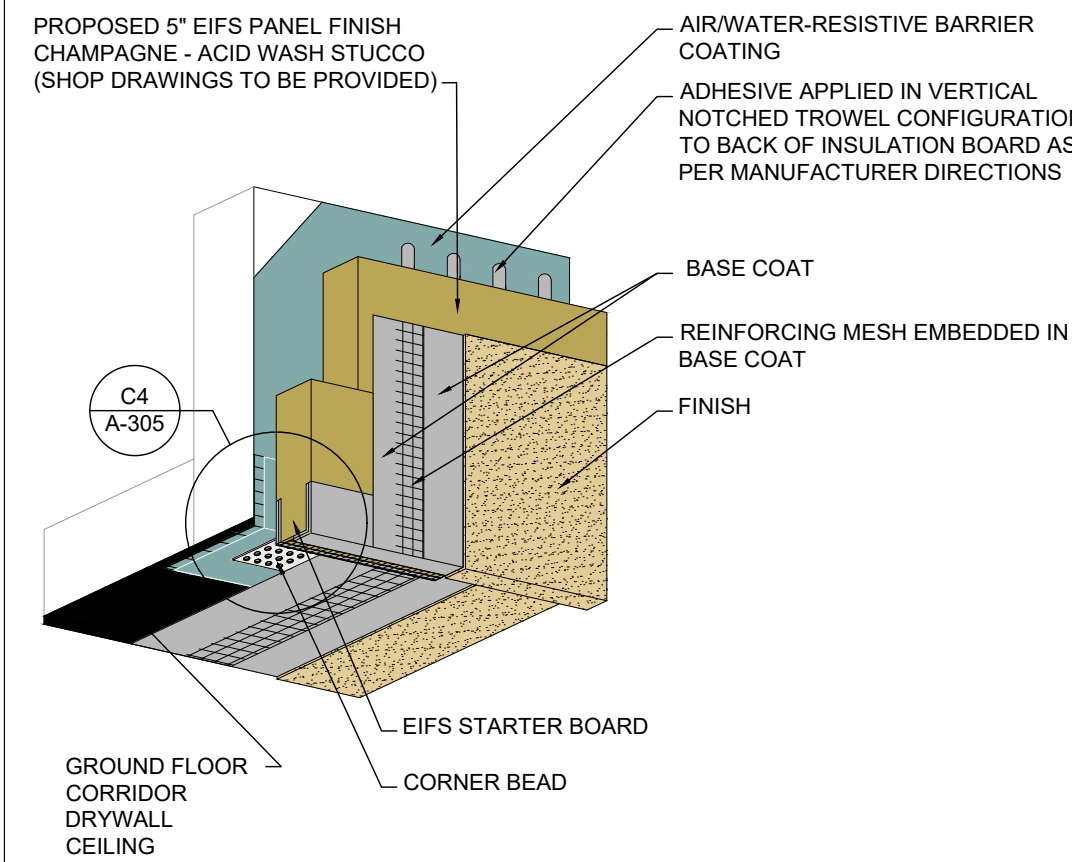


PANEL- FRONT VIEW

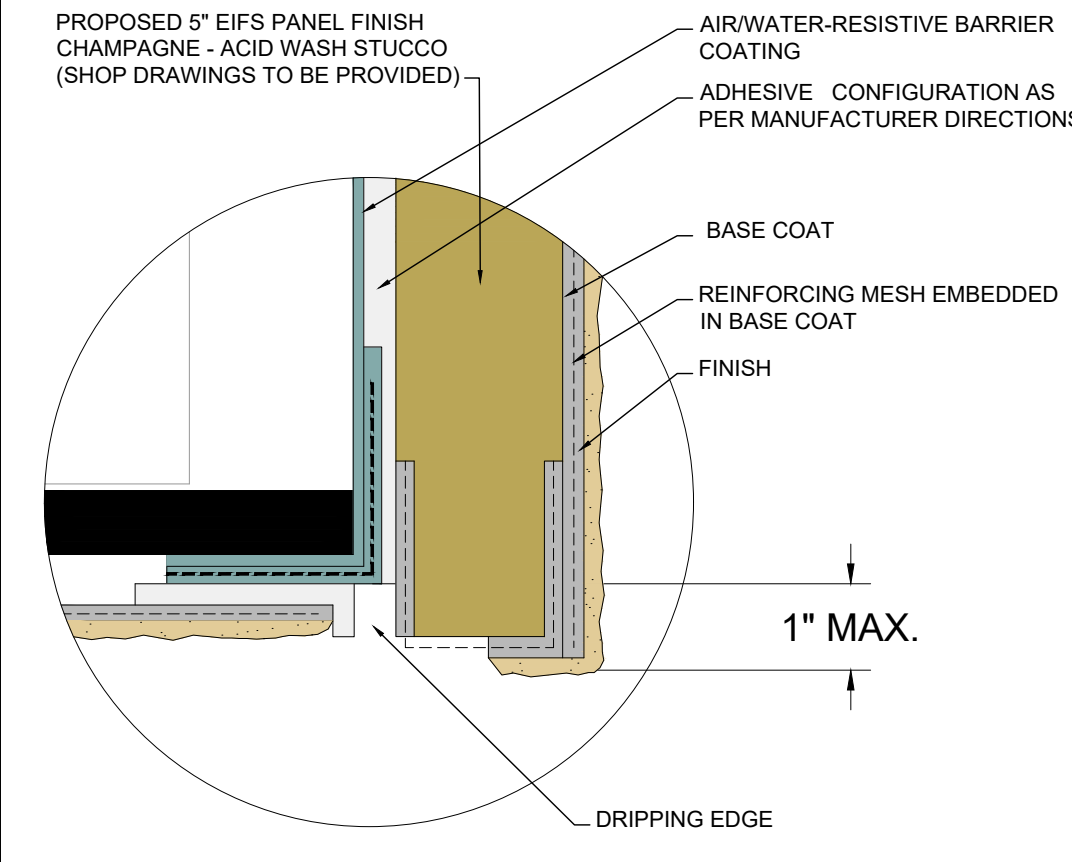
- GENERAL NOTES:
 1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BID.
 2. SHOP DRAWING TO BE PROVIDED.
 3. FOR MATERIAL REFER TO A-501



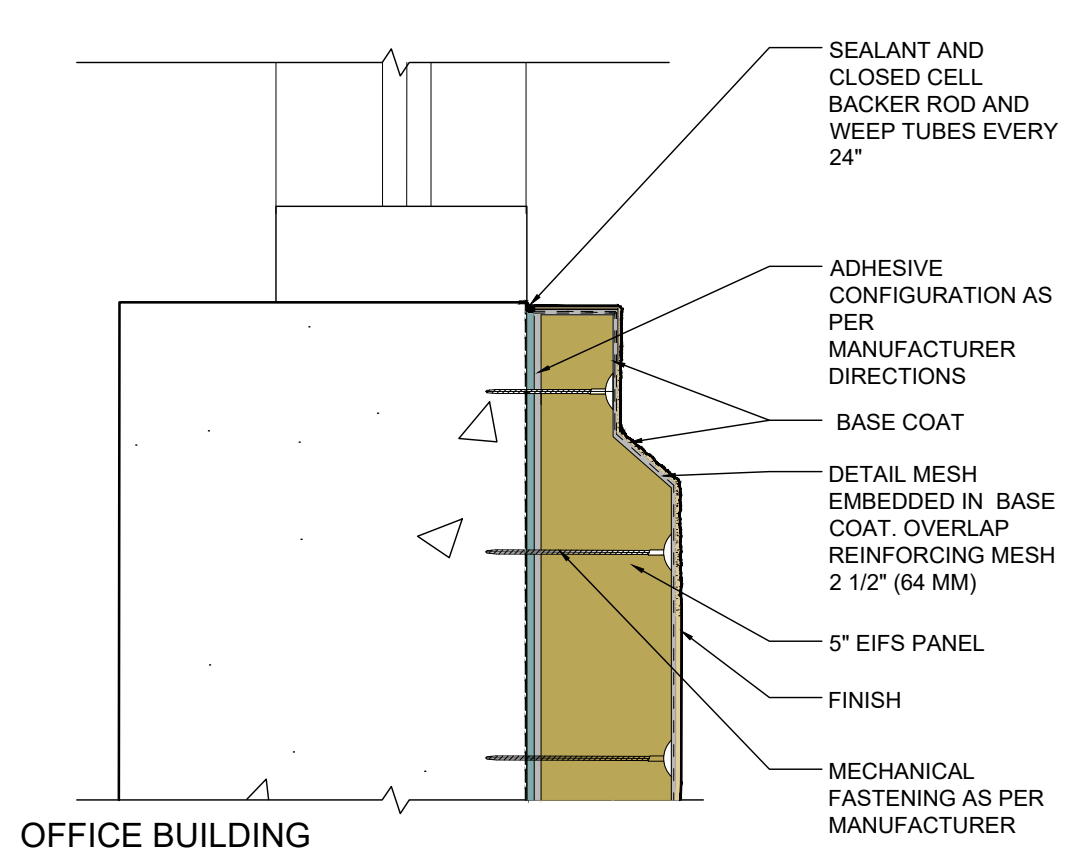
D3 CONTROL JOINT W DYMONIC 100 SCALE: N.T.S



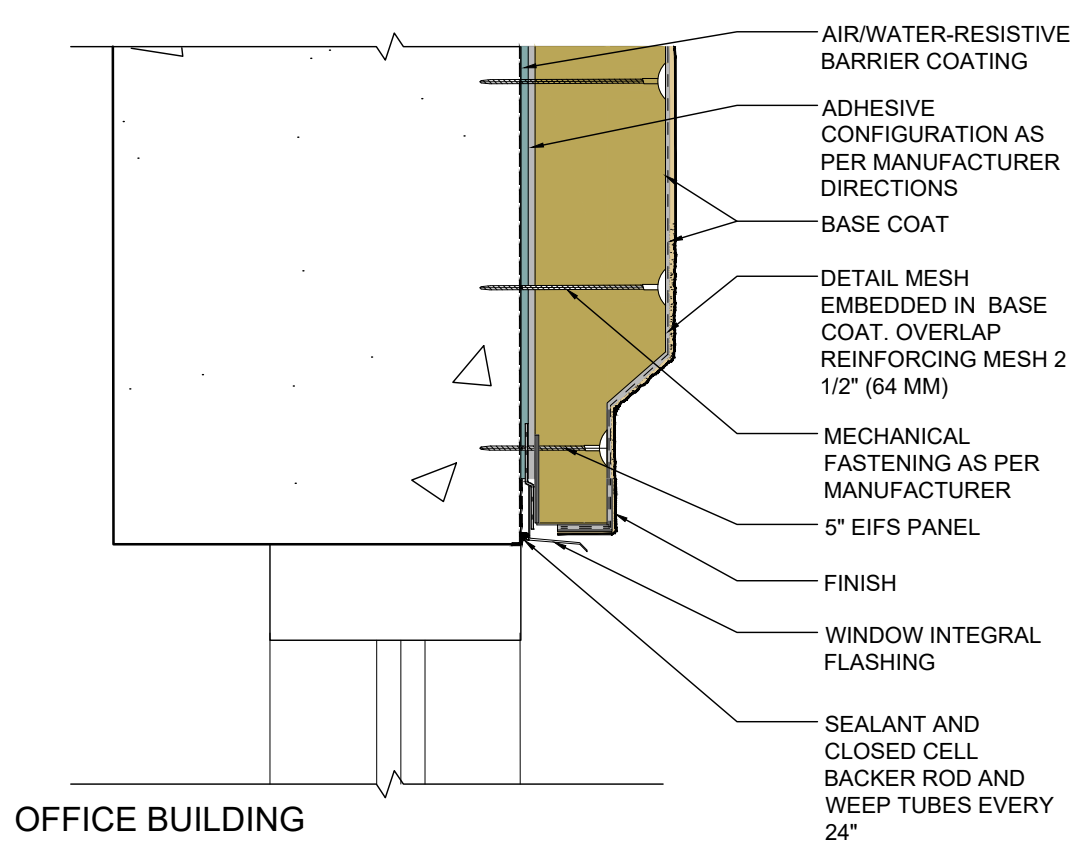
D4 WATERPROOFING DETAIL SCALE: N.T.S



D5 WATERPROOFING DETAIL SCALE: N.T.S

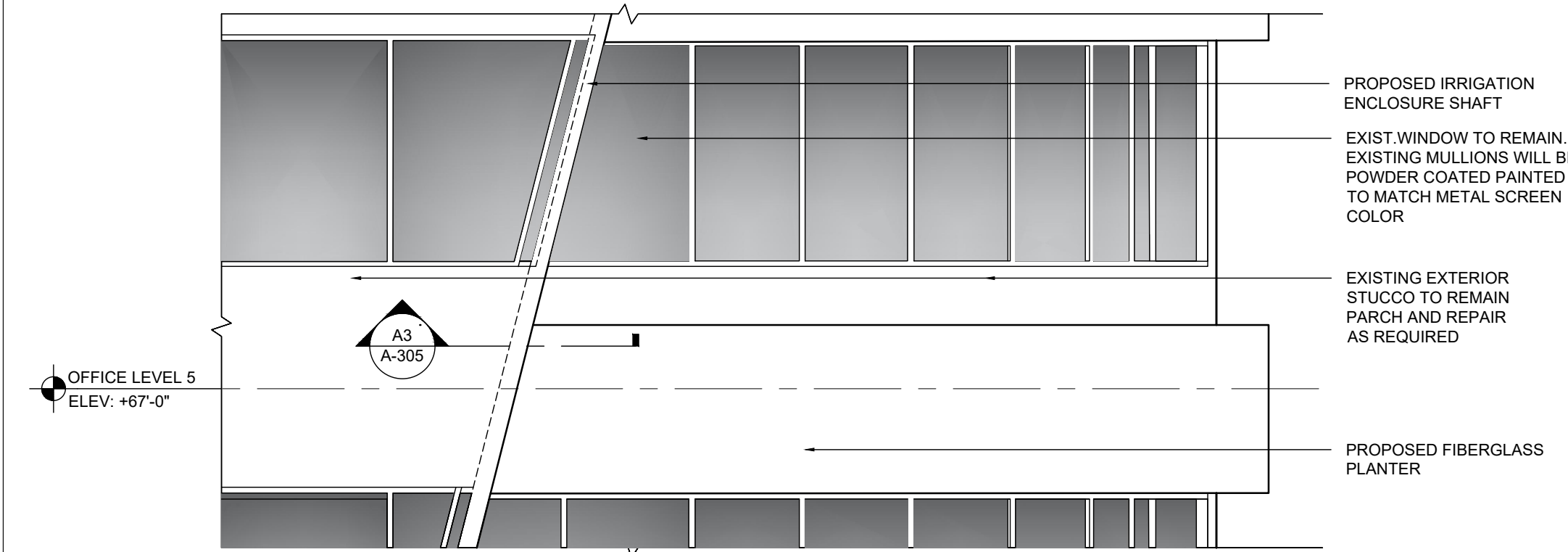


D6 TYP. CLADDING -WINDOW SILL DETAIL SCALE: 3' = 1'-0"

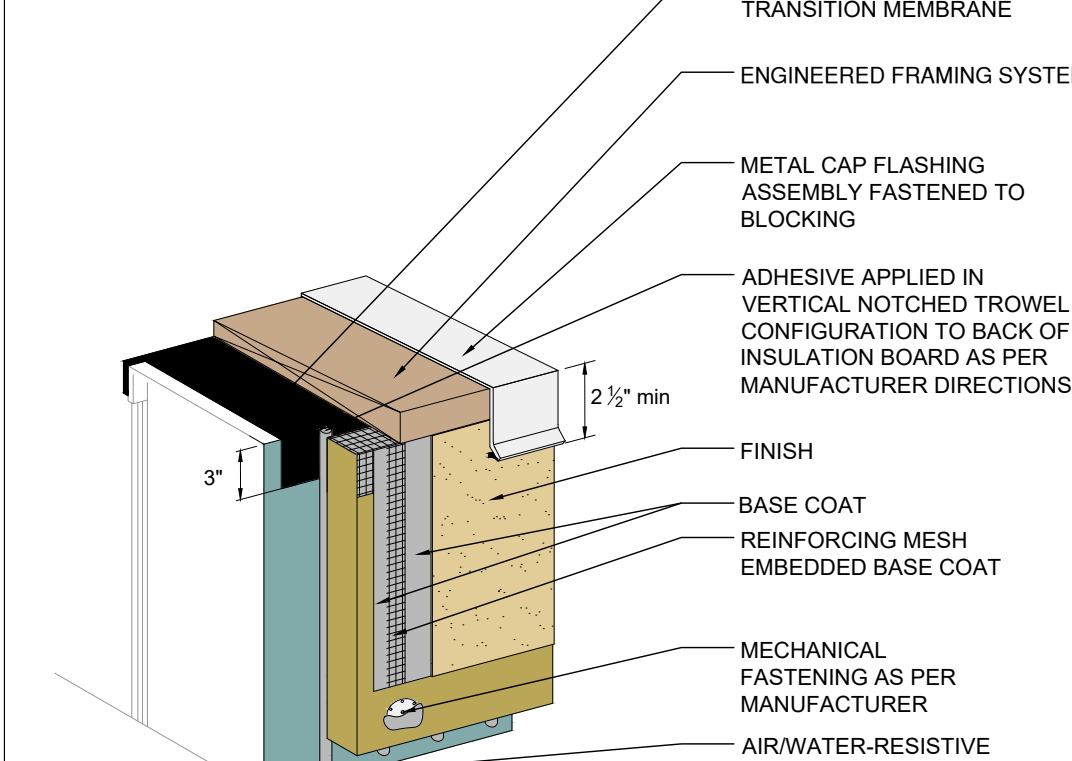


D7 TYP. CLADDING -WINDOW HEAD DETAIL SCALE: 3' = 1'-0"

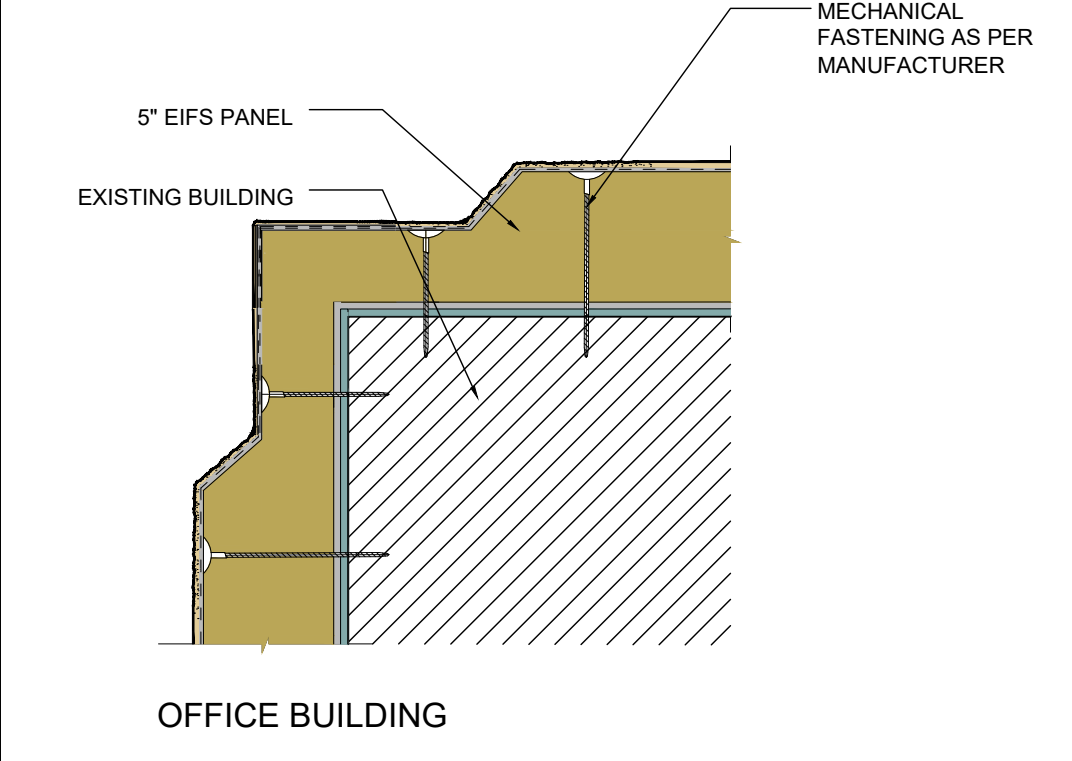
A4 EIFS PANEL ELEVATION (TYP) SCALE: 1" = 1'-0"



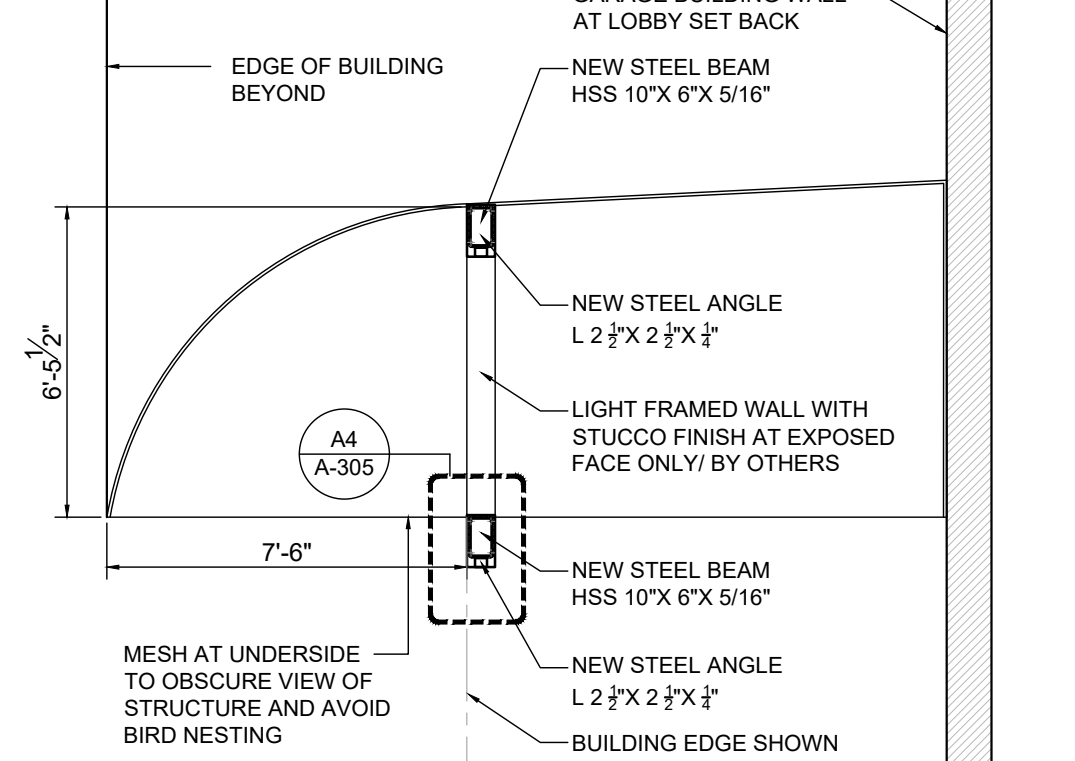
C3 FASCIA/ SOFFIT TRANSITION SCALE: 1/4" = 1'-0"



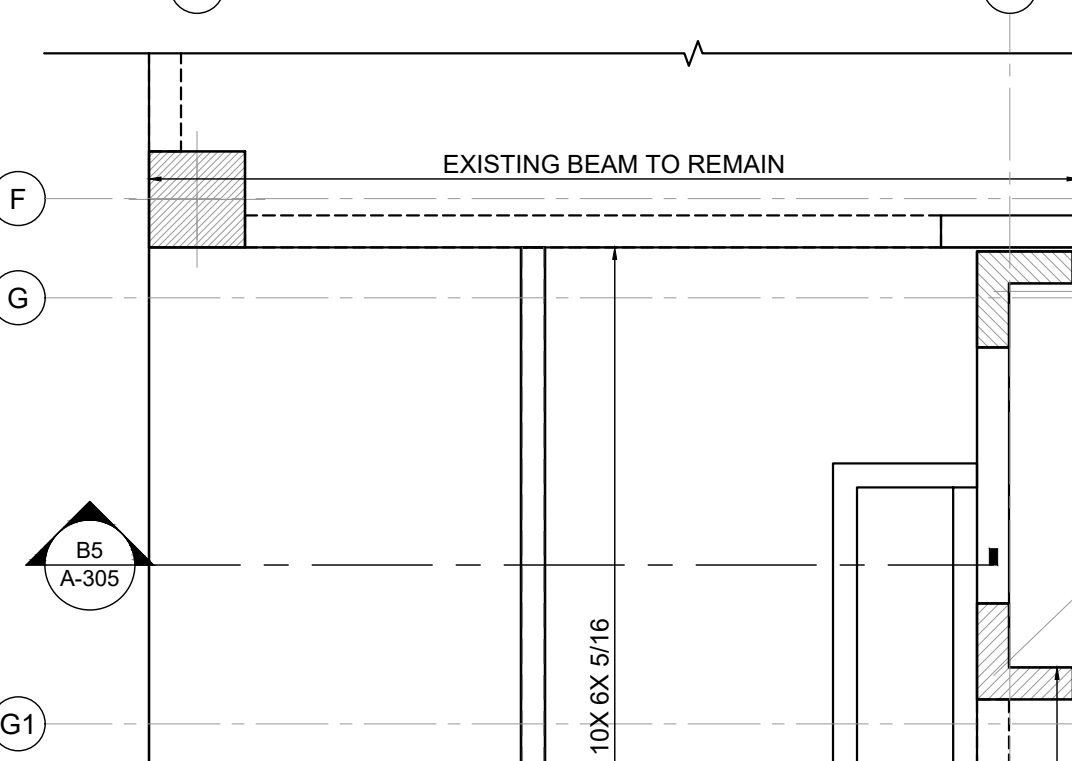
C4 FASCIA/ SOFFIT TRANSITION (ENLARGED) N.T.S.



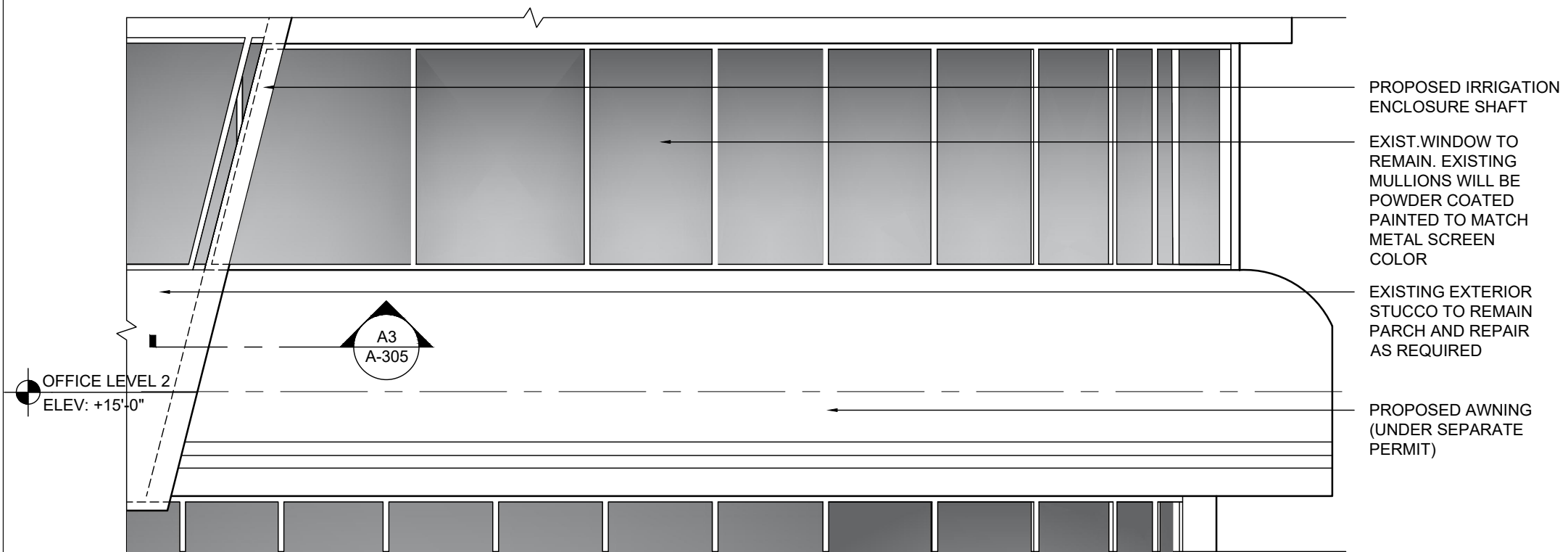
C5 TYP. CLADDING -WINDOW SILL DETAIL SCALE: 3' = 1'-0"



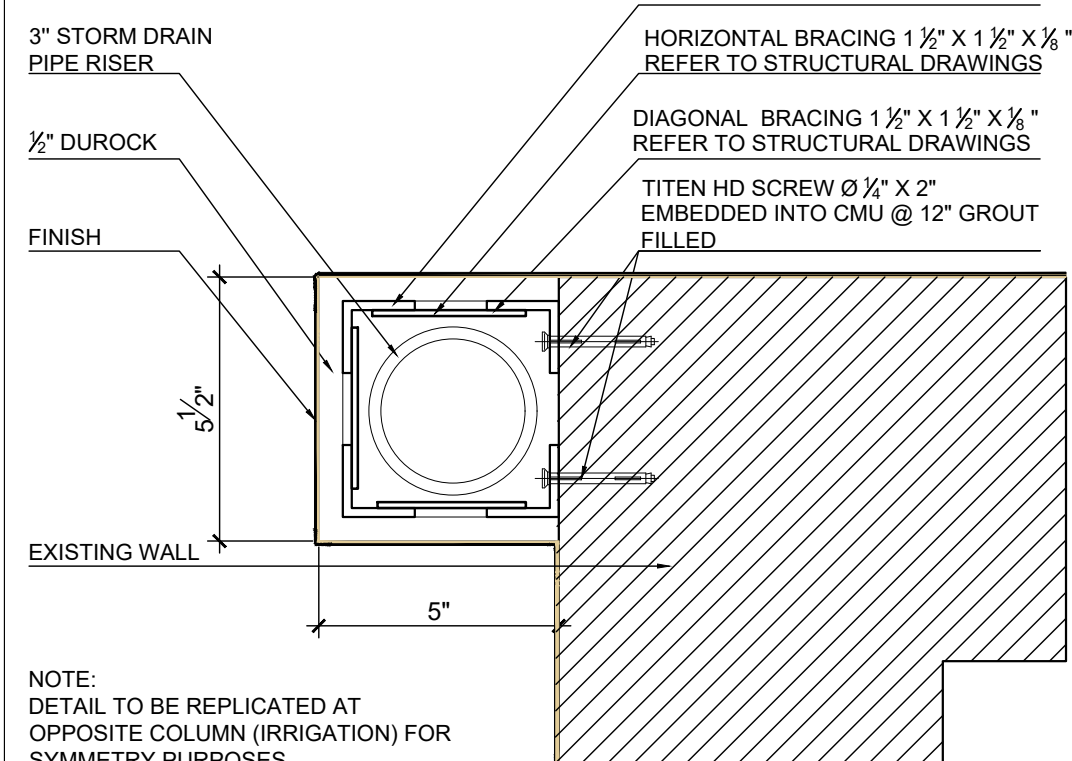
C6 TYP. CLADDING -WINDOW HEAD DETAIL SCALE: 3' = 1'-0"



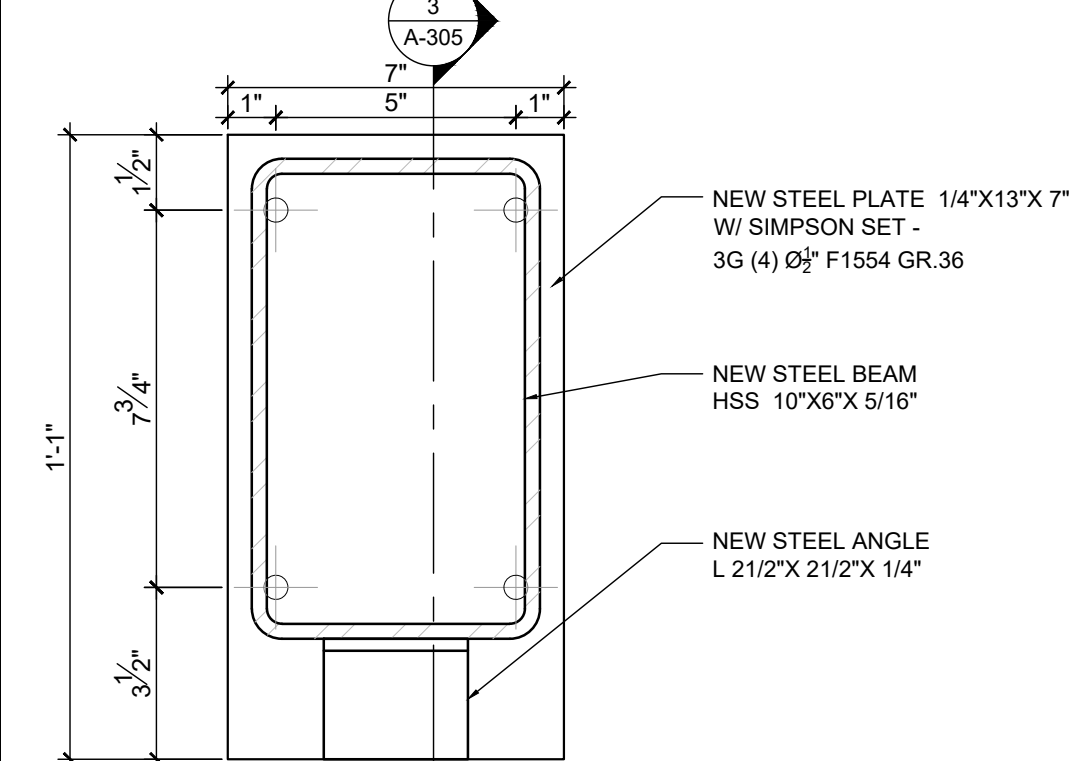
B1 PLANTER & CLADDING NORTH AND WEST ELEVATION DETAIL (OFFICE BUILDING) SCALE: 1/4" = 1'-0"



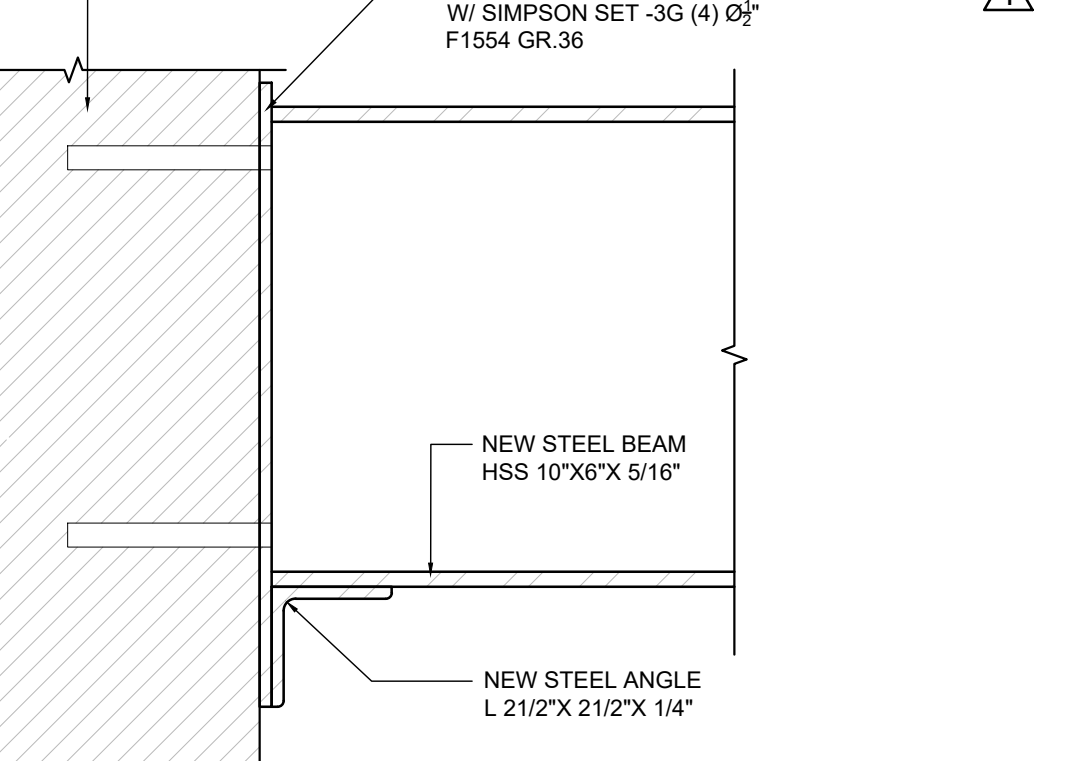
B3 COPING DETAIL SCALE: 3' = 1'-0"



B4 90° OUTSIDE FINISHED CORNER SCALE: 3' = 1'-0"



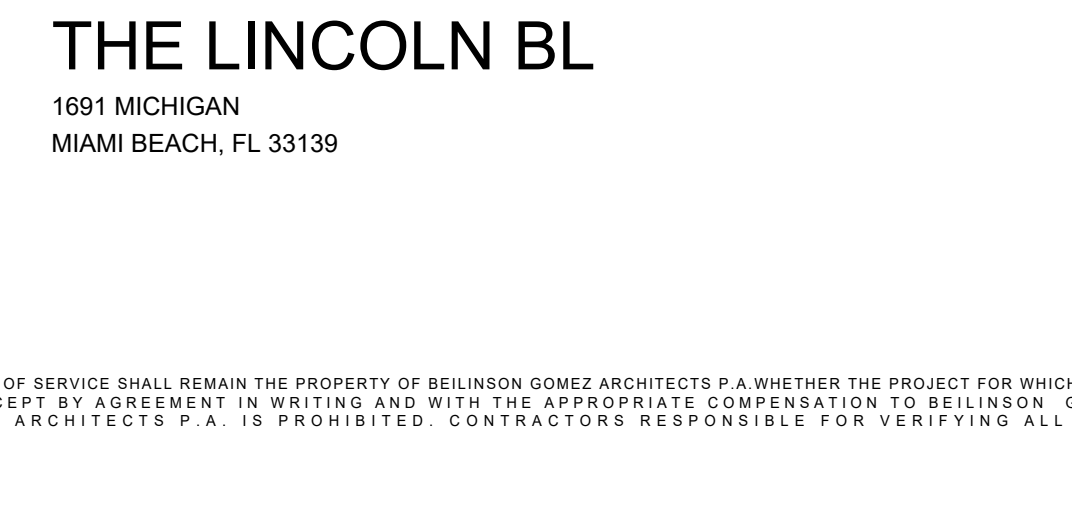
B5 SECTION SCALE: 1/4" = 1'-0"



A1 AWNING & CLADDING NORTH AND WEST ELEVATION DETAIL (OFFICE BUILDING) SCALE: 1/4" = 1'-0"



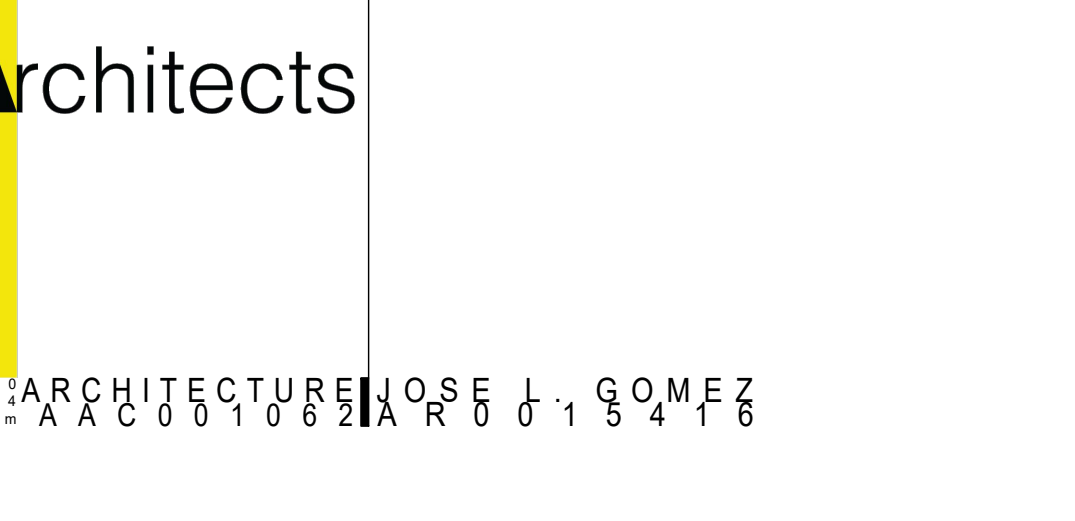
A3 IRRIGATION ENCLOSURE SHAFT SCALE: 3' = 1'-0"



A5 STEEL BEAM SECTION 3 SCALE: 3' = 1'-0"



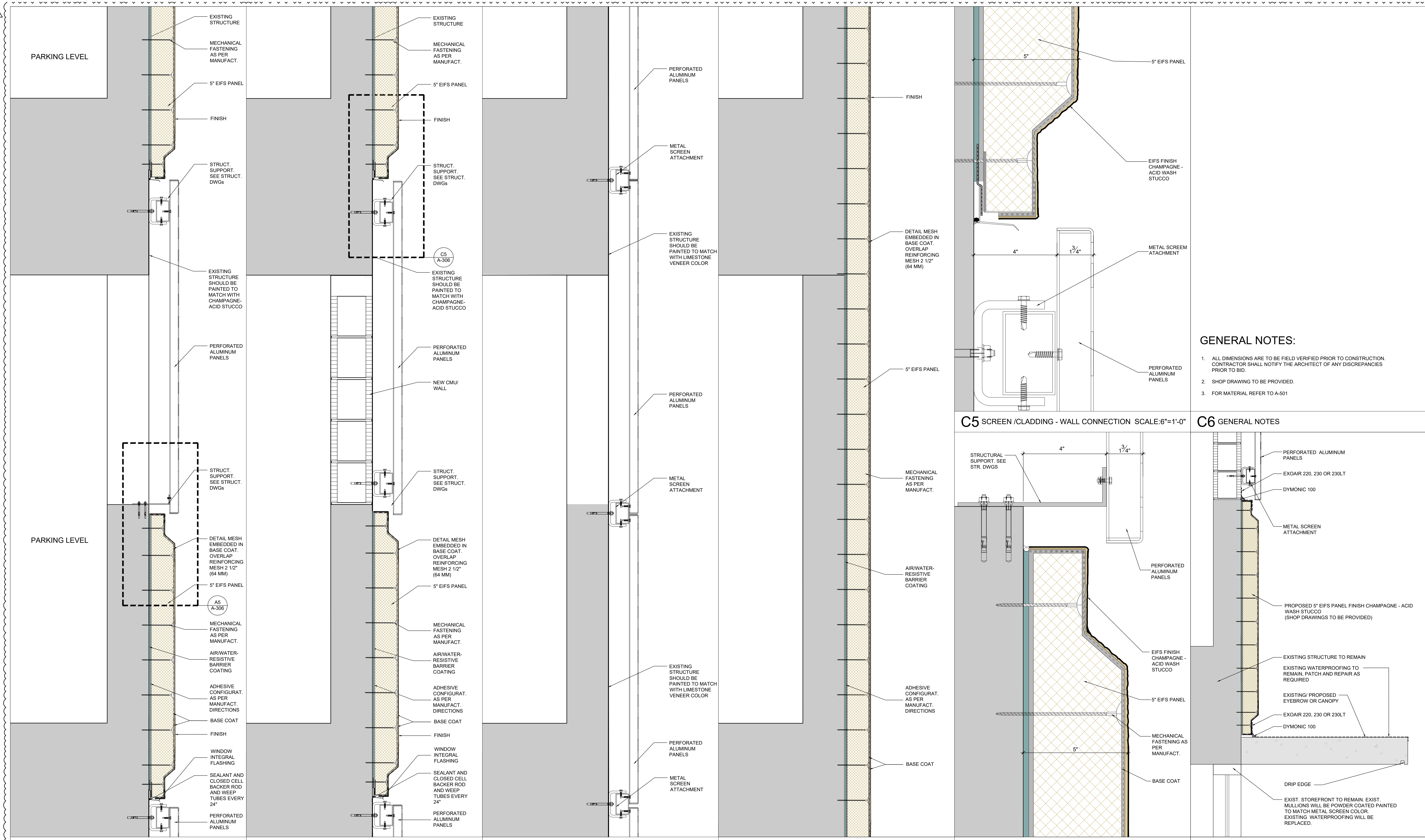
A6 FASCIA/ SOFFIT TRANSITION SCALE: 1/4" = 1'-0"



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DWG. TITLE		ENLARGED ELEVATION AND DETAILS
SCALE		AS SHOWN
PROJECT NO.		2023-33
DATE		07-07-2025
2	12-30-2025	OWNER REVISION
1	11-27-2024	CITY COMMENTS
SHEET NUMBER		A-305
DATE	REVISION	



- GENERAL NOTES:**
1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BID.
 2. SHOP DRAWING TO BE PROVIDED.
 3. FOR MATERIAL REFER TO A-501

C5 SCREEN /CLADDING - WALL CONNECTION SCALE: 6"=1'-0"

C6 GENERAL NOTES

A1 SECTION TYP. DETAIL

SCALE: 1 1/2"=1'-0"

A3 SECTION TYP. DETAIL

SCALE: 1 1/2"=1'-0"

A3 SECTION TYP. DETAIL

SCALE: 1 1/2"=1'-0"

SECTION TYP. DETAIL

SCALE: 1 1/2"=1'-0"

A5 SCREEN /CLADDING - WALL CONNECTION SCALE: 6"=1'-0"

A6 WATERPROOFING DETAIL

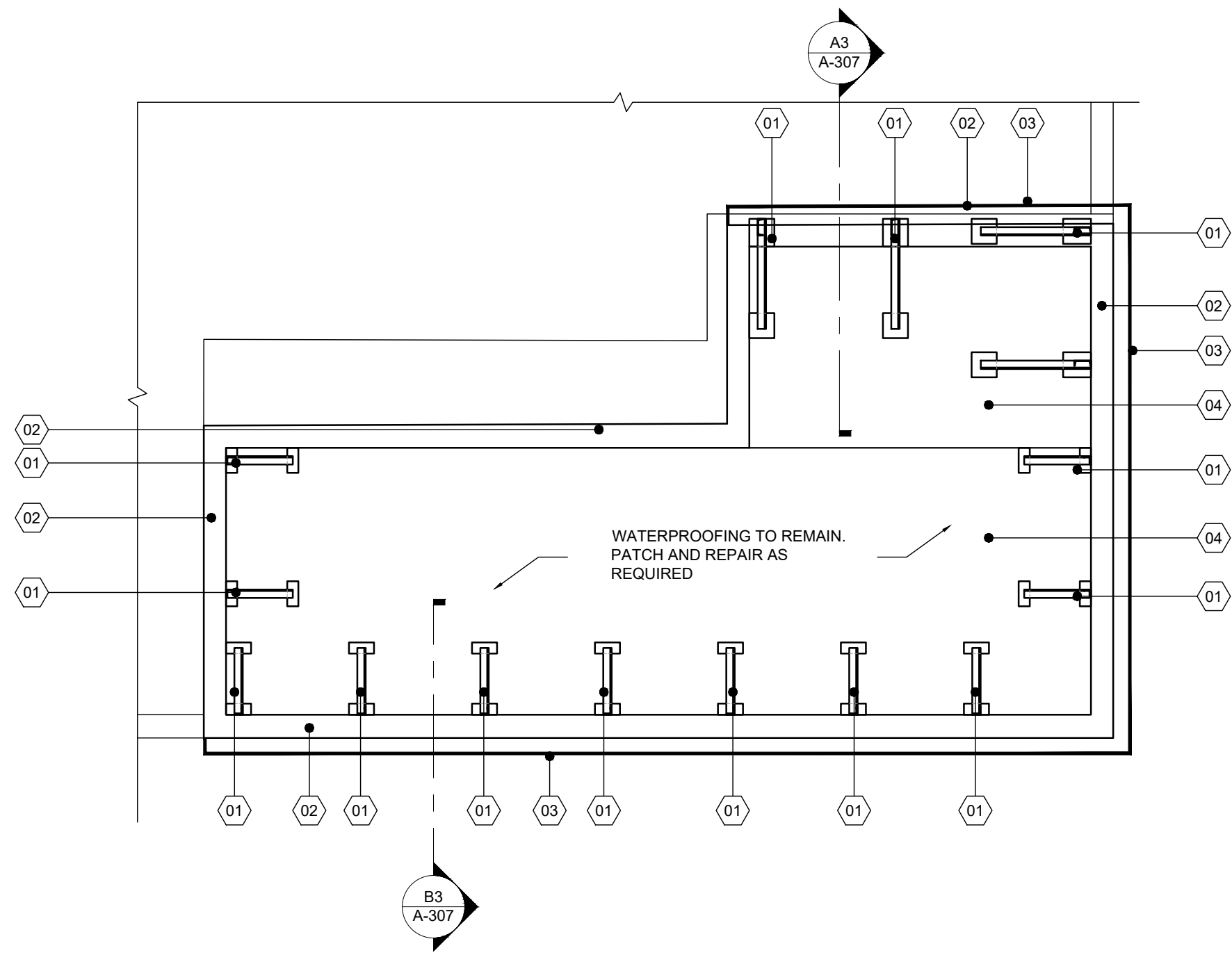
SCALE: 1" = 1'-0"

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 MIAMI BEACH, FL 33139



DWG TITLE		
ENLARGED DETAILS		
SCALE	AS SHOWN	
PROJECT NO.	2023-33	
DATE	07-07-2025	
2	12-30-2025	OWNER REVISION
1	11-27-2024	CITY COMMENTS
△	DATE	REVISION

A-306



C1 SOUTH-EST STAIR SCREEN SUPPORT DETAIL

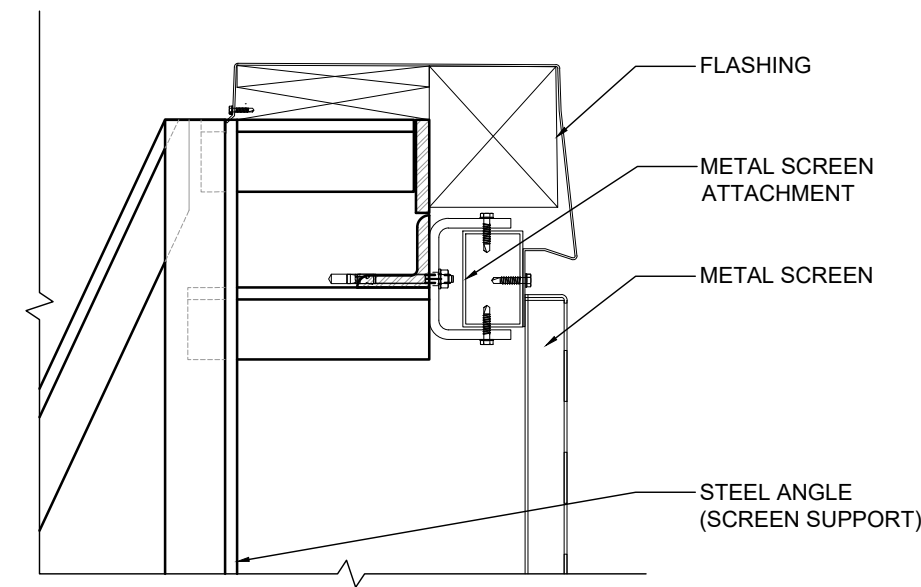
SCALE: 1/4" = 1'-0"

KEY NOTES

- 01 PROPOSED SCREEN SUPPORT @4'-0" MAX.
- 02 EXISTING PARAPET WALL TO REMAIN
- 03 PROPOSED CUSTOM METAL PERFORATED SCREEN (REFER TO MATERIAL 1 (A-501))
- 04 CONCRETE SLAB TO REMAIN

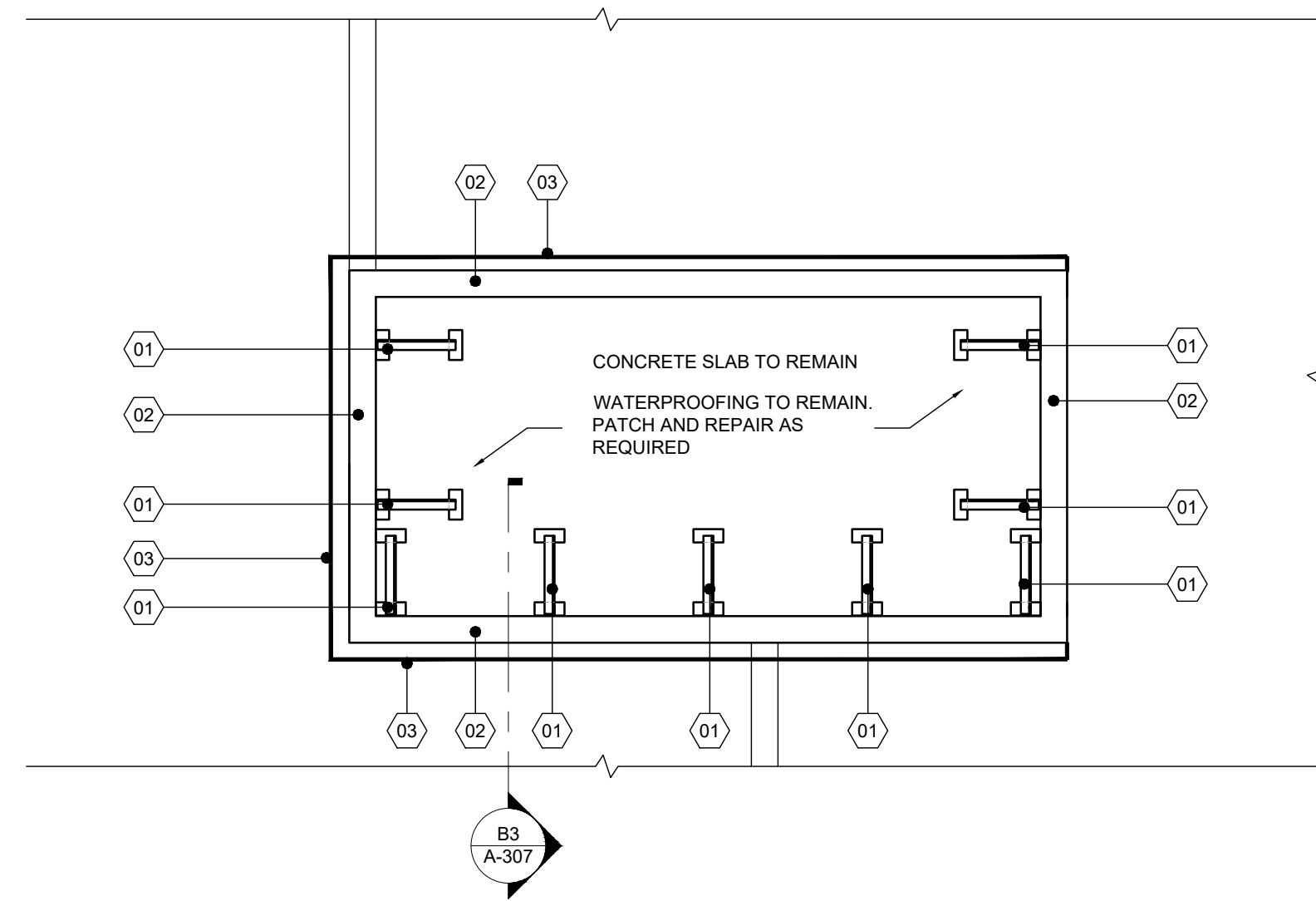
GENERAL NOTES

1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BID.
2. SHOP DRAWING TO BE PROVIDED.
3. WATERPROOFING EXISTING TO REMAIN, PATCH AND REPAIR AS REQUIRED
4. REFER TO STRUCTURAL DRAWINGS.
5. REFER TO A-501 FOR MATERIAL.



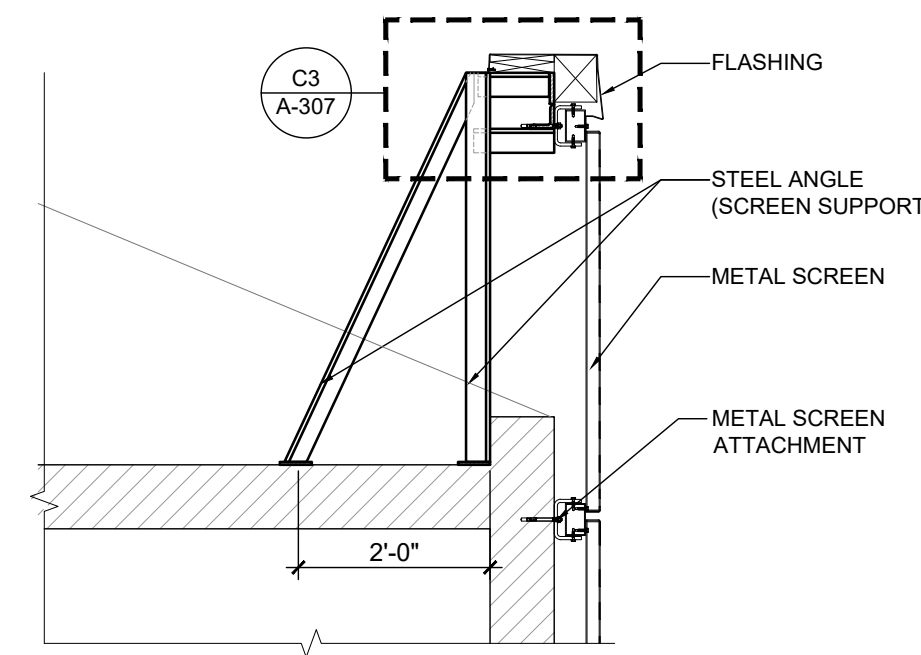
C3 FLASHING

SCALE: 1 1/2" = 1'-0"



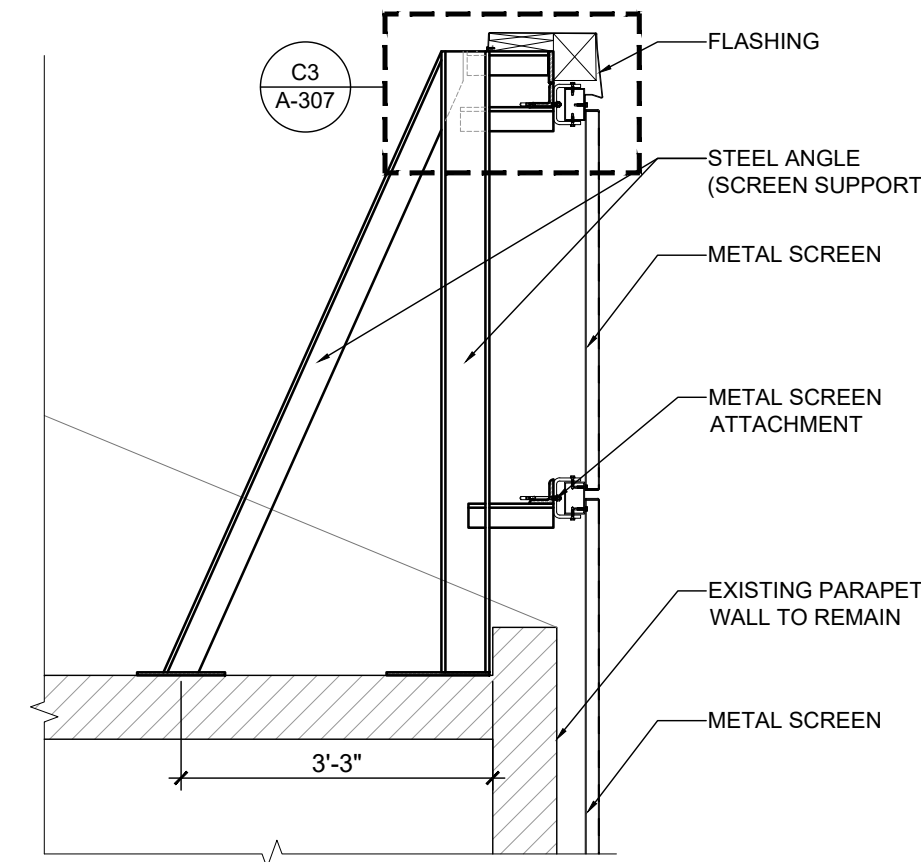
A1 SOUTH-WEST STAIR SCREEN SUPPORT DETAIL

SCALE: 1/4" = 1'-0"



B3 SCREEN SUPPORT DETAIL

SCALE: 1/2" = 1'-0"



A3 SCREEN SUPPORT DETAIL

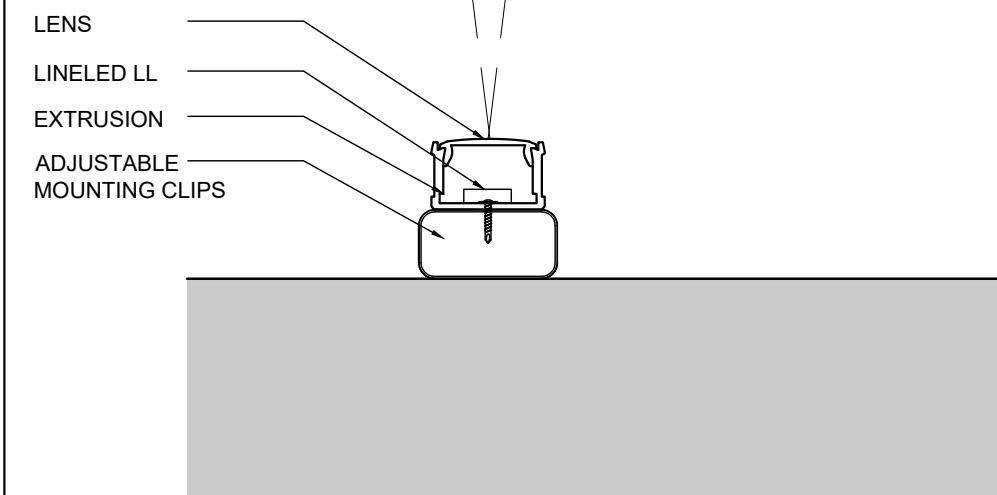
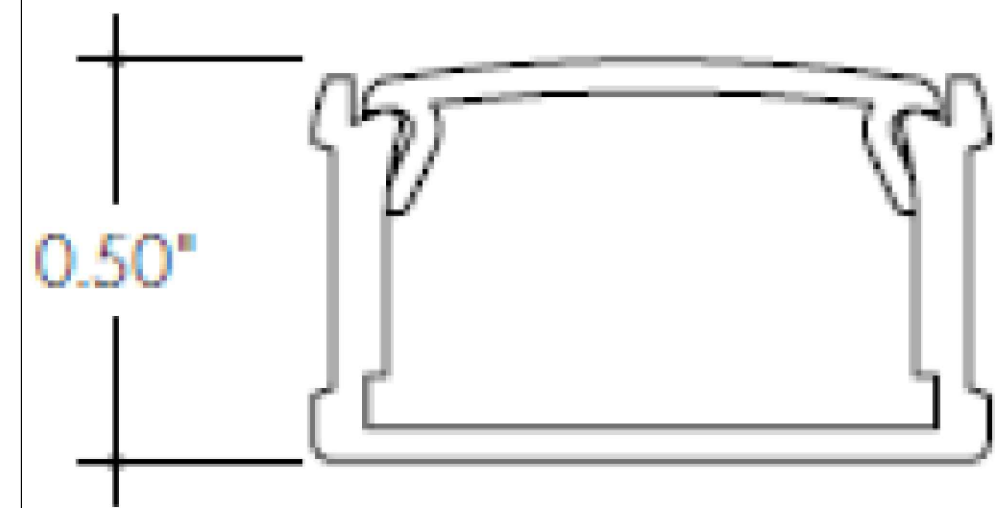
SCALE: 1/2" = 1'-0"

THE LINCOLN BL

1691 MICHIGAN
MIAMI BEACH, FL 33139



DWG. TITLE	SCREEN SUPPORT DETAIL
SCALE	AS SHOWN
PROJECT NO.	2023-33
DATE	07-07-2025
SHEET NUMBER	A-307

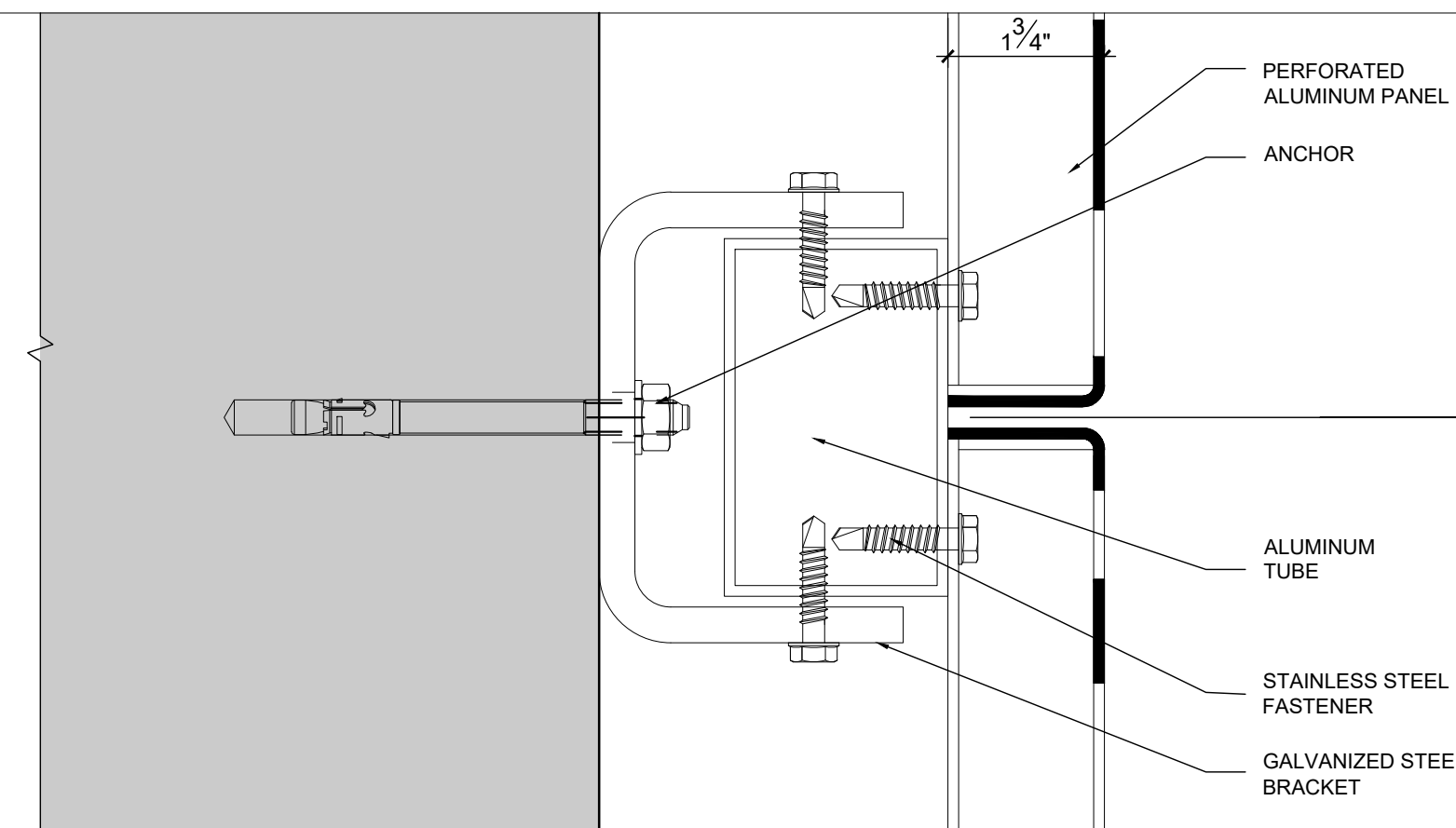
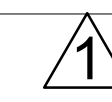


LENS
LINELED LL
EXTRUSION
ADJUSTABLE MOUNTING CLIPS

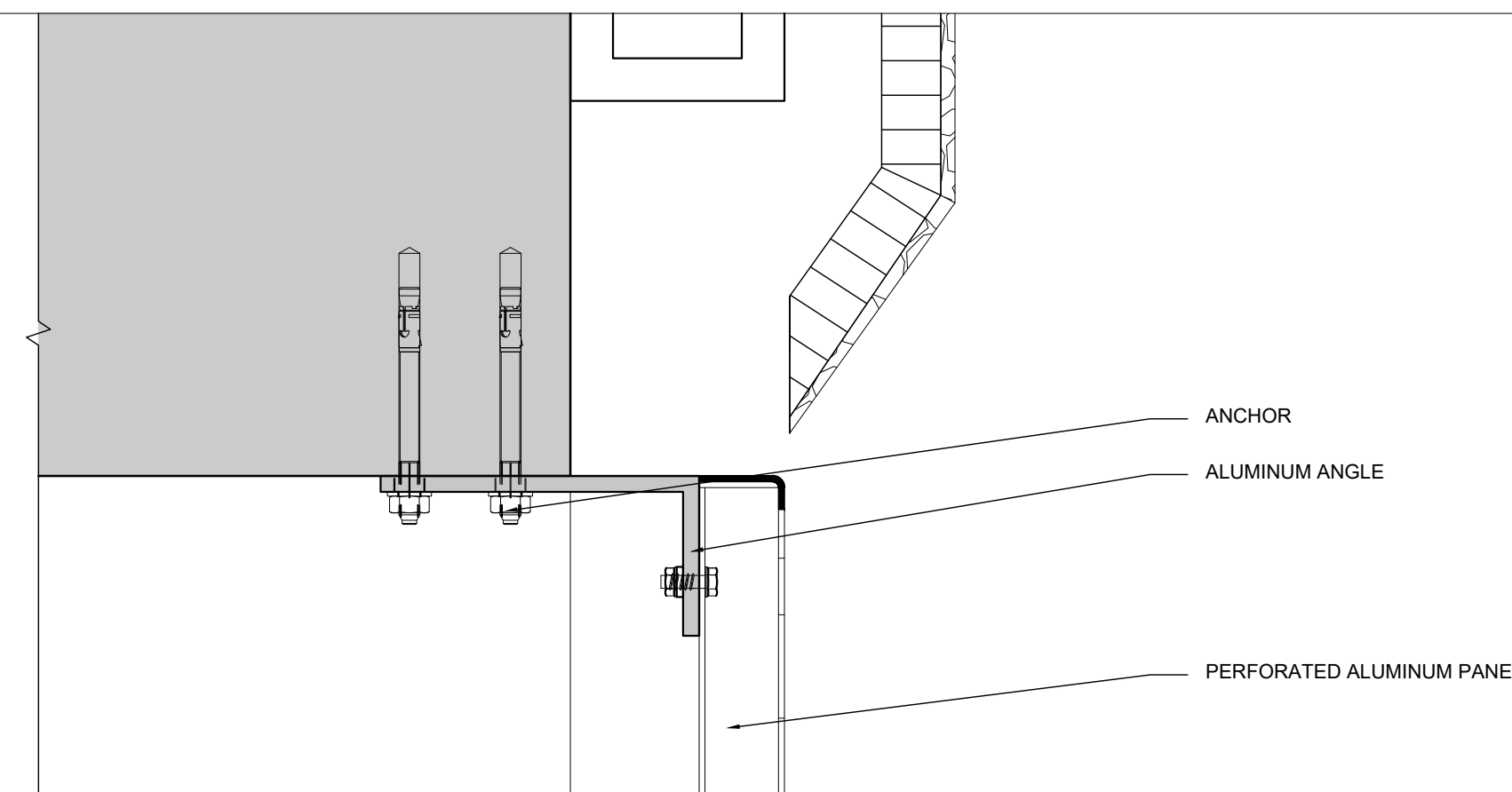
A3 ADJUSTABLE MOUNTING CLIP DETAIL

B3 EXTRUDED ALUMINUM PROFILE DETAIL SCALE: N.T.S

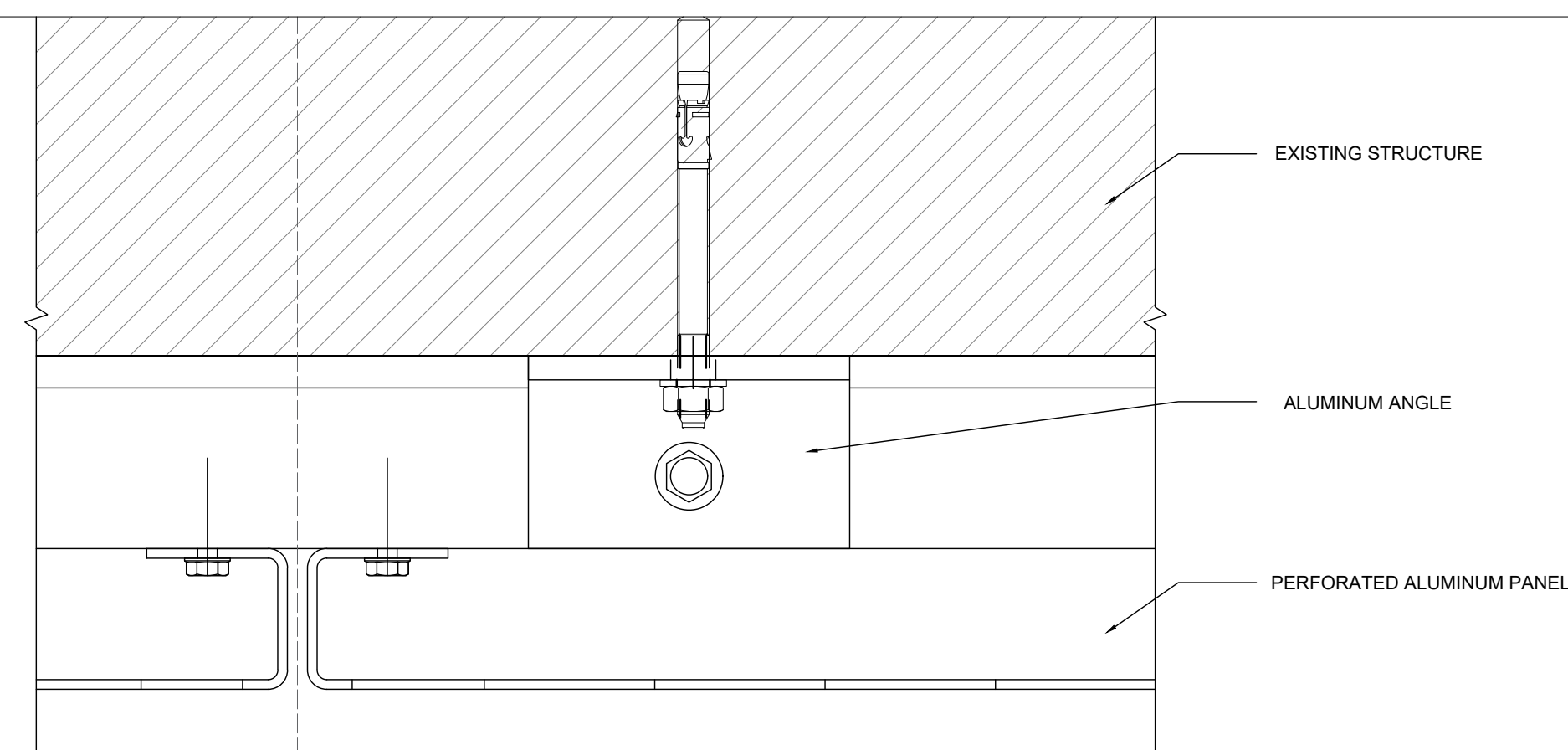
C3 LED LINEAR FIXTURE DETAIL SCALE: N.T.S



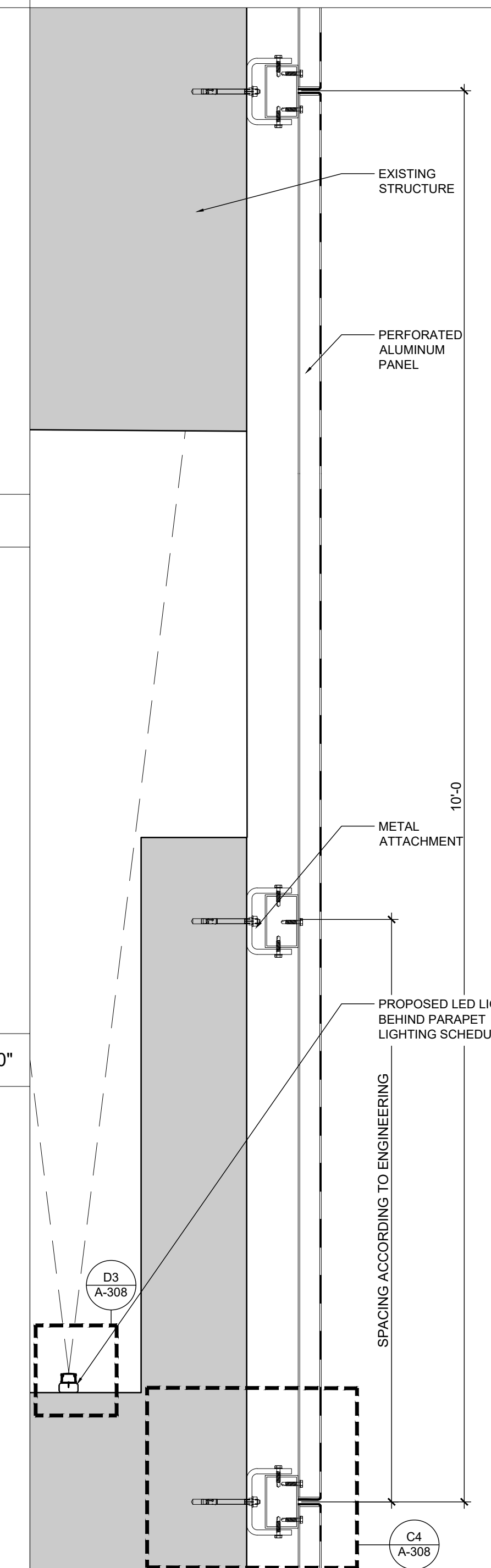
C4 METAL SCREEN ATTACHMENT SCALE: 6" = 1'-0"



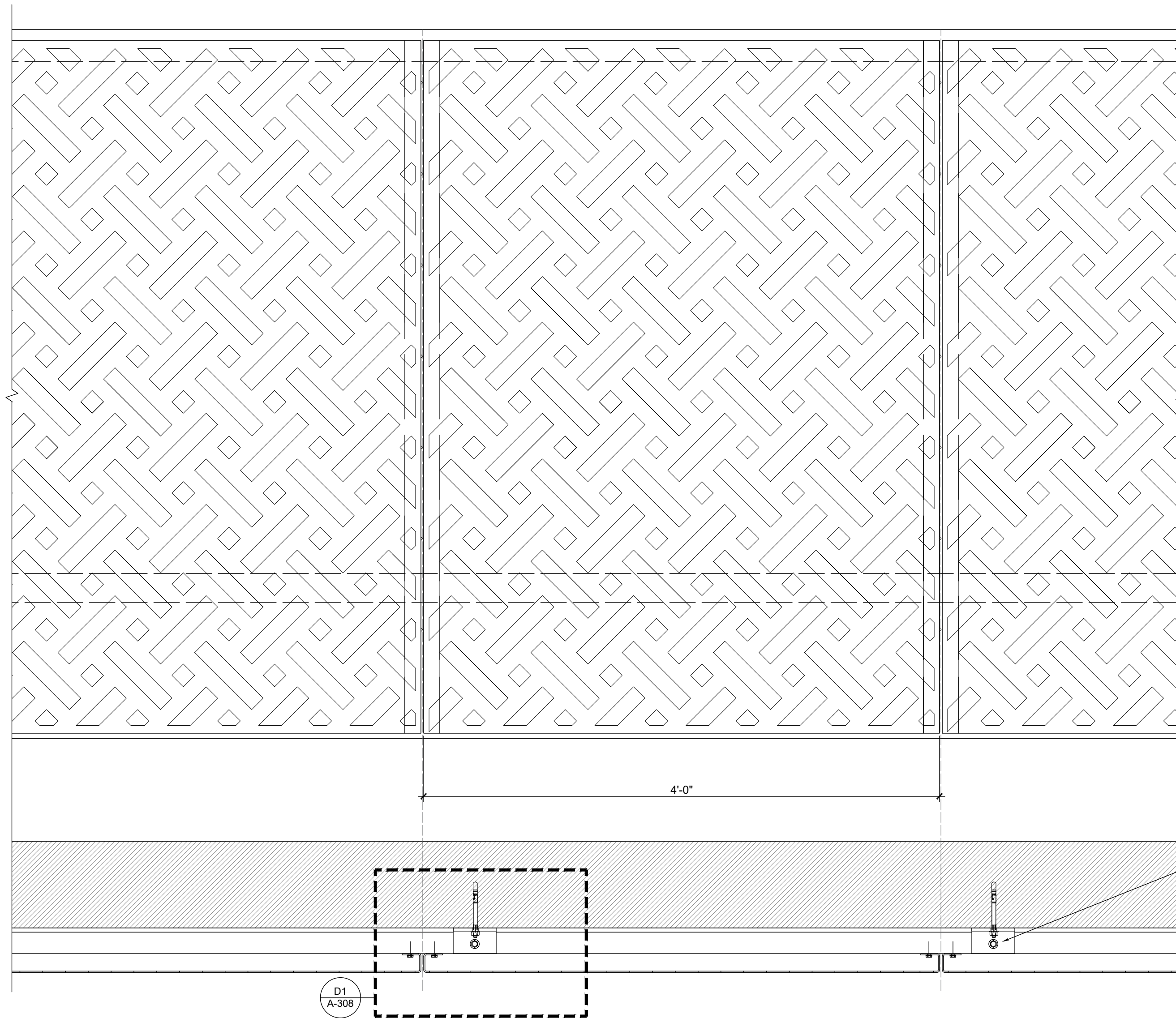
B4 METAL SCREEN ATTACHMENT DETAIL SCALE: 6" = 1'-0"



A4 METAL SCREEN ATTACHMENT SCALE: 6" = 1'-0"



A6 MTL SCREEN ATTACHMENT DETAIL SCALE: 1 1/2" = 1'-0"



A4 METAL SCREEN PANEL DETAIL

SCALE: 1 1/2" = 1'-0"

1. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BID.
2. SHOP DRAWING TO BE PROVIDED.
3. FOR MATERIAL REFER TO A-501

THE LINCOLN BL
1691 MICHIGAN
MIAMI BEACH, FL 33139

BGAarchitects

DWG. TITLE CUSTOM METAL PERFORATED SCREEN DETAILS
SCALE AS SHOWN
PROJECT NO. 2023-33
DATE 07-07-2025
SHEET NUMBER

1 03-26-2025 CITY COMMENTS
DATE REVISION

A-308



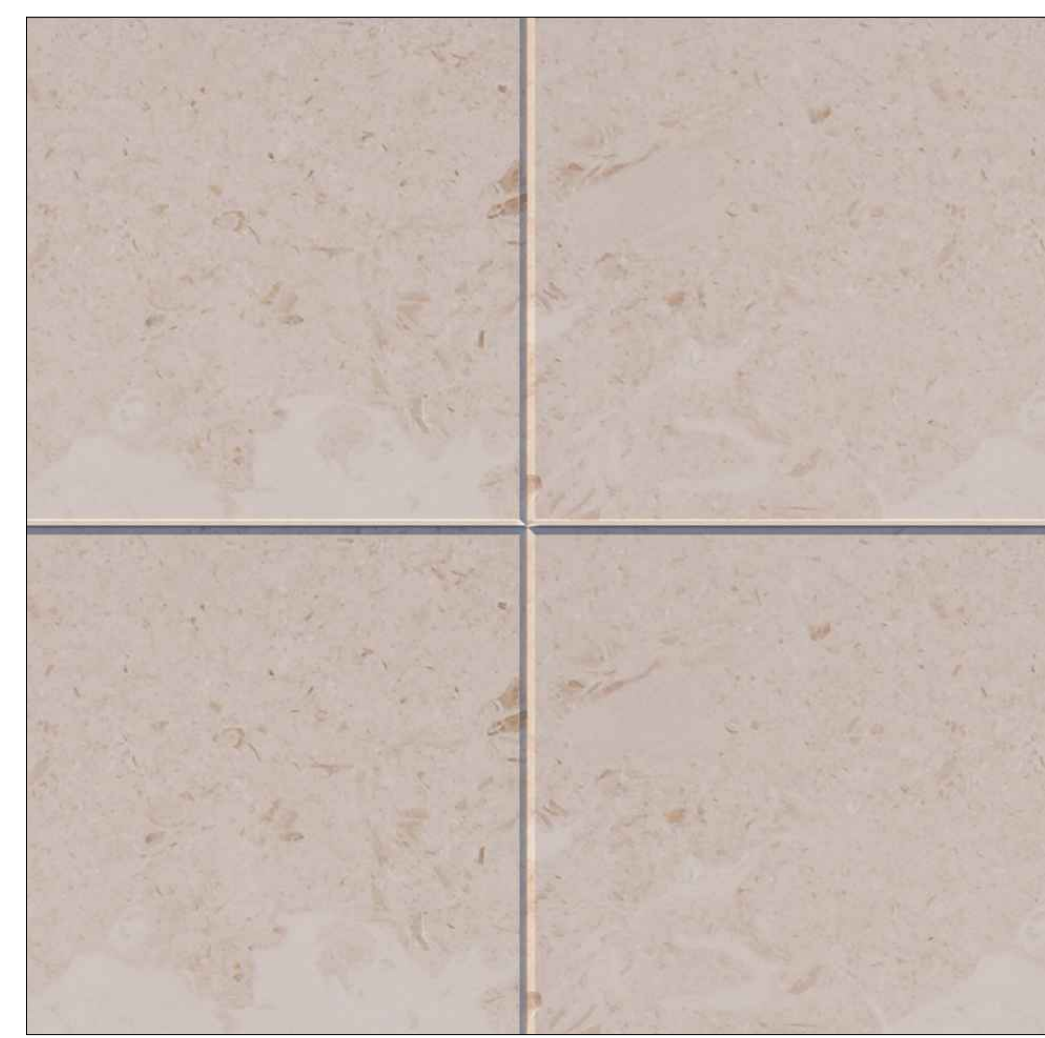
① CUSTOM METAL PERFORATED SCREEN PANELS



④ TRAVERTINO MOSAIC PANEL / CAVE STONE MOSAIC (FIBERGLASS MESH FIXED BEHIND)
NOT USED



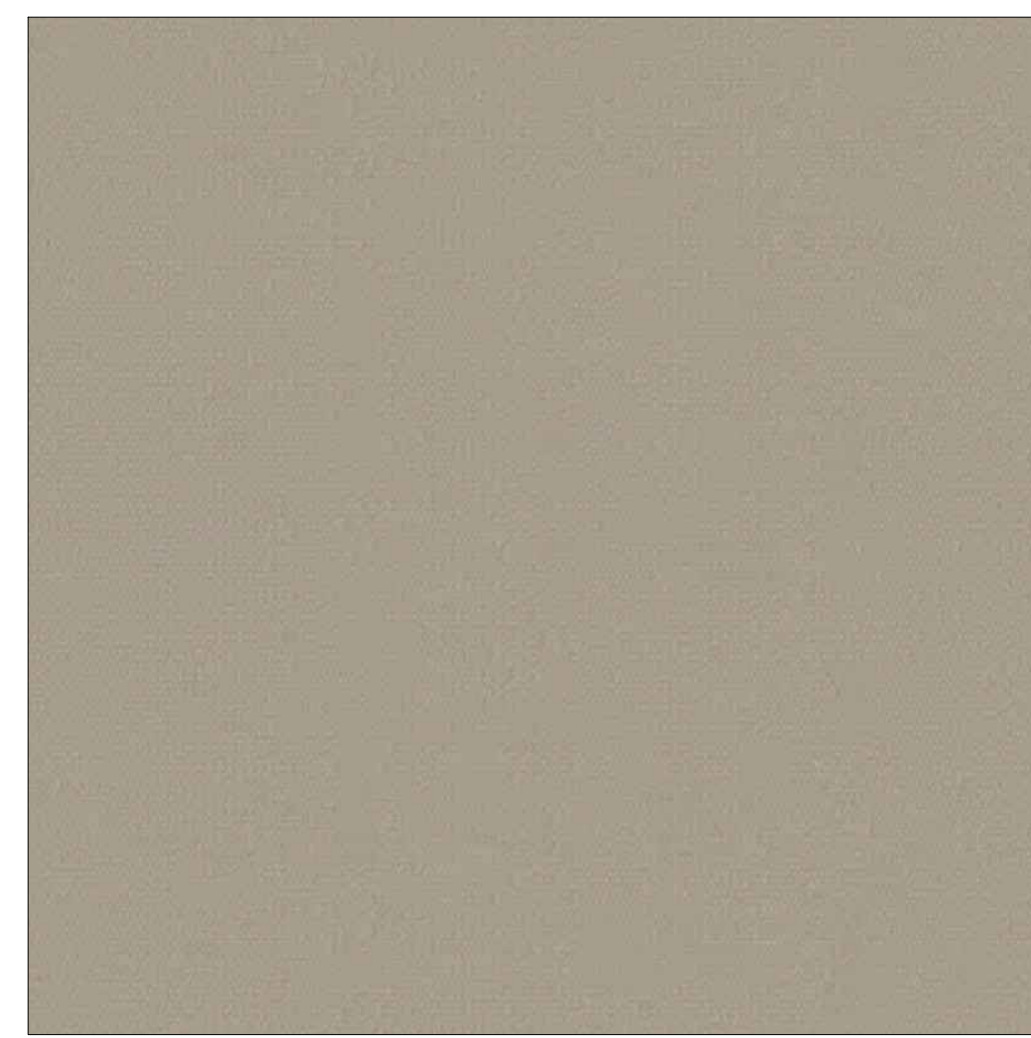
⑦ PROPOSED CUSTOM DECORATIVE METAL CLADDING ON EXISTING PARAPET BY MORIN ARCHITECTURAL WALL



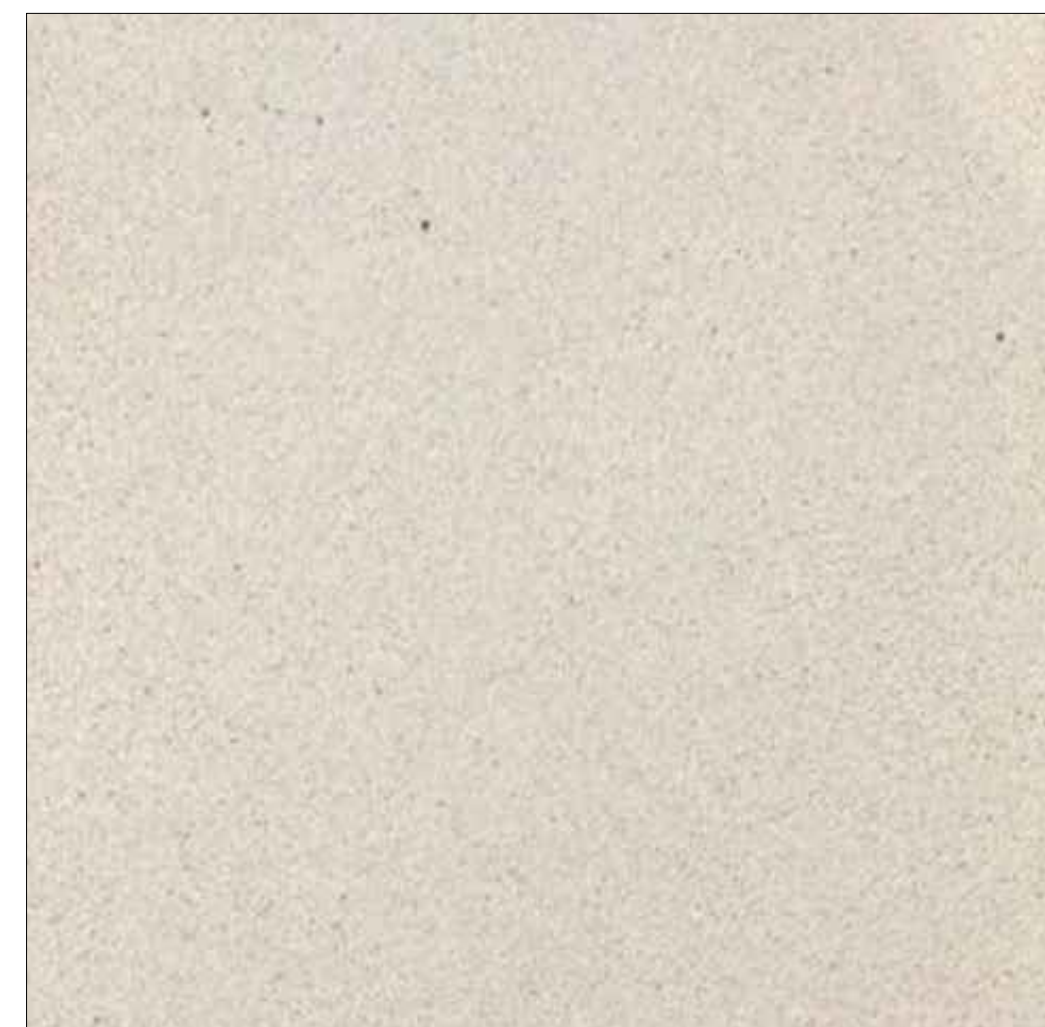
② PROPOSED LIMESTONE VENEER
NOT USED



⑤ PROPOSED LIGHT SCONCES
NATURAL TRAVERTINE STONE LED WALL SCONCE | CL889901



⑧ PROPOSED AWNINGS (UNDER SEPARATE PERMIT)
PROPOSED FABRIC: FAWN/ SUNBRELLA MAYFIELD
SKU: 6080-0000



③ STUCCO/ CHAMPAGNE - ACID WASH BY CONCRETE WORKS EAST OR SIMILAR AND OVER EIFS PANELS



⑥ METAL CLADDING FINISH



⑨ EXISTING MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR

THE LINCOLN BL

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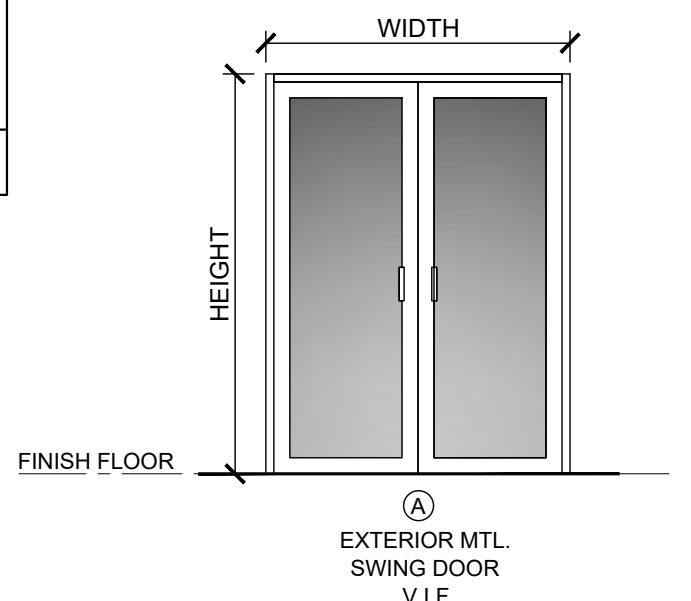


		DWG. TITLE	MATERIALS
		SCALE	N.T.S
		PROJECT NO.	2023-33
		DATE	07-07-2025
2	12-30-2025	OWNER REVISION	
1	11-27-2024	CITY COMMENTS	
		DATE	REVISION

GROUND FLOOR DOORS SCHEDULE																										
LOCATION		DOOR				FRAME			HARDWARE				REMARKS													
S.F. #	RM. NAME	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	GLASS	LOUVER	FROSTED	LAMINATED	KICKPLATE	GLASS LABELS	FIRE RATING	MATERIAL	FIRE HARD	KEYLOCK	DEADBOLT	PRIVACY	THUMB LATCH	SELF-CLOSING	KEYLOCK 2	DOORSTOP	DOORSTOP HINGE	THRESHOLD	WEATHERSTRIP	
103	GROUND FLOOR (WEST FACADE)	5'-8"	10'-0"	A.P.M.	A	A.G.D	A.P.M.	●					1 1/2 H	METAL	●	●								●	●	●

A.P.M. = AS PER MANUFACTURE A.F.G. = ALUMINUM FIXED GLASS S.W.D. = SOLID WOOD DOOR A.G.D. = ALUMINUM GLASS DOOR V.I.F.E.O. = VERIFY IN FIELD EXISTING OPENING MTL. = METAL V.I.F. = VERIFY IN FIELD

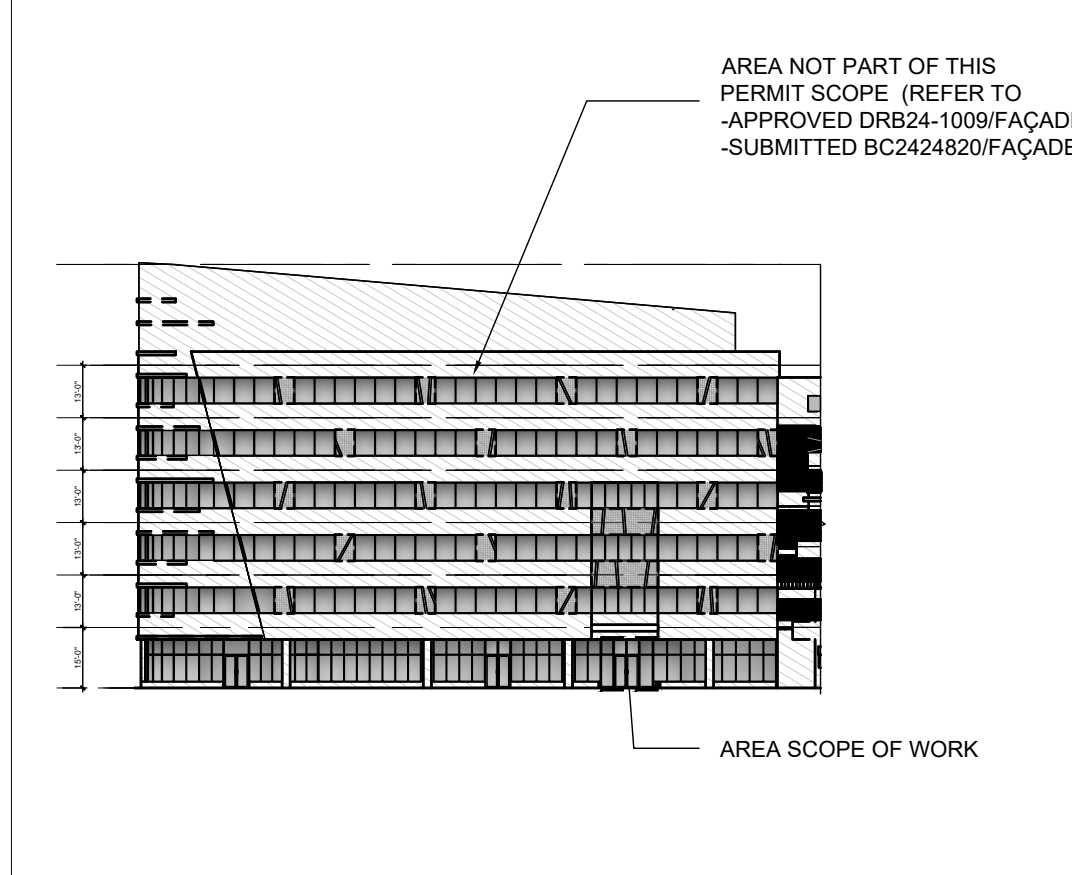
- NOTE:** ALL OF DETAILS IN THIS PAGE ARE FOR THE DESIGN INTENT ONLY. SHOP DWGS TO BE SUBMITTED TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION & INSTALLATION. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD PRIOR TO COMMENCING THE WORK
- NOTE:** ALL EGRESS DOORS SHALL NOT REQUIRE A KEY OR SPECIAL KNOWLEDGE TO OPEN FOR EGRESS. ALL DOORS ON THE MEANS OF EGRESS TO HAVE PANIC HARDWARE.
- NOTE:** ALL GLASS TO BE SAFETY GLASS CATEGORY II ALL DOORS MIRROR TO BE SAFETY GLASS CATEGORY II
- THERE WILL BE NO CHANGES TO THE OPENING SIZE REQUIRED IN EXTERIOR DOOR/WINDOW.
- ALL GLASS TO BE SAFETY GLASS CATEGORY II
ALL DOORS MIRROR TO BE SAFETY GLASS CATEGORY II
- DOORS SERVING 100 OR MORE OCCUPANTS SHALL BE PROVIDED WITH PANIC HARDWARE.
- DOORS TO BE CLEAR GLASS AND CLEAR ANODIZED ALUMINUM UNLESS OTHERWISE NOTED.
- ALUMINUM FINISH NOTE: ALUMINUM FOR ALL NEW STOREFRONT TO MATCH EXISTING FRAMES.
- METAL BEAMS OR COLUMNS ADJACENT TO STOREFRONT SHOULD BE WRAP WITH ALUMINUM TO MATCH STOREFRONT. TO BE DONE BY STOREFRONT SUBCONTRACTOR.



- 1. PARTITION & FLOOR/CEILING ASSEMBLIES NOTES:**
- ALL FIRE RATED WALLS AND PARTITIONS MUST BE EXTENDED TO UNDERSIDE OF THE DECK ABOVE
 - WALL PARTITIONS AND FLOOR/CEILING ASSEMBLIES SEPARATING DWELLING UNITS FROM EACH OTHER OR FROM THE PUBLIC OR SERVICES AREA SHALL HAVE A SOUND TRANSMISSION CLASS (STC) NOT LESS THAN 50 ACCORDING TO 1207.2 F.B.C.
 - FLOOR/CEILING ASSEMBLIES BETWEEN DWELLING UNITS OR BETWEEN A DWELLING UNIT AND A PUBLIC OR SERVICE AREA WITHIN THE STRUCTURE SHALL HAVE AN IMPACT INSULATION CLASS (IIC) RATING OF NOT LESS THAN 50
 - PENETRATION OR OPENING IN PARTITIONS AND FLOOR/CEILING ASSEMBLIES FOR PIPING, ELECTRICAL DEVICES, RECESSED CABINET, BATHTUBS, SOFFITS, OR HEATING, VENTILATING OR EXHAUST DUCTS SHALL BE SEALED, LINED, INSULATED OR OTHERWISE TREATED TO MAINTAIN THE REQUIRED RATINGS
- 2. INSULATION MINIMUM VALUES NOTE:**
- REFER TO ENERGY CALC. REPORT FOR DETAILS.
 - ALL HOLLOW METAL DOORS TO BE PAINTED WITH A RUST INHIBITIVE PRIMER & FINISHED WITH AN ALKALINE BASED RUST INHIBITIVE GLOSS PAINT.
 - ALL HARDWARE SHOULD BE STAINLESS STEEL & WITHSTAND EXPOSURE TO EXTERIOR CLIMATE CONDITIONS. ALL DOORS TO HAVE MIN. 3 HINGES.
 - ALL EXTERIOR WALL DOORS SHALL HAVE WEATHERPROOFING. ALL HOLLOW METAL DOORS SEPARATING AIR CONDITIONED SPACES FROM NON-CONDITIONED SPACES SHALL BE INSULATED. ALL EXTERIOR HOLLOW METAL DOORS & FRAMES ARE 16 GA. GALV. W/ WELDED SOLID EDGES. EXPOSED DOORS FLUSH WITH WALL ABOVE SHALL HAVE GALV. RAIN HOODS.
 - EXIT SIGNAGE & HARDWARE TO COMPLY W/ ALL APPLICABLE CODES INCL. BUT NOT LIMITED TO FBC 1016.3.4.
 - SEE DOORS, STOREFRONT AND WINDOWS ELEV.
 - SUBMIT SHOP DWGS.
 - ALL FIRE RATED DOORS TO BE INSTALLED W/ 3/4 HOUR RATED COMPLETE ASSEMBLY -DOOR, FRAME, CLOSER, HARDWARE.
 - ALL FIRE RATED DOORS SHALL HAVE SELF-CLOSING AND LATCHING HARDWARE. SELF-CLOSING DOORS MUST CLOSE AND FULLY LATCH FROM ANY OPEN POSITION LATON FROM ANY OPEN POSITION WHEN RELEASED.
 - ALL GLASS TO BE CLEAR IMPACT RESISTANT UNLESS OTHERWISE NOTED.
 - ALL DOORS TO COMPLY FBC 1010.
 - FOR THRESHOLDS @ COMMON AREA DOORS, REFER TO SCHEDULE. IN NO CASE SHALL THRESHOLDS ON AN ACCESSIBLE ROUTE EXCEED 1/2" IN HEIGHT. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES MORE THAN 1/4" AT DOORWAYS SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.
 - THE ELEVATION OF THE FLOOR SURFACES ON BOTH SIDES OF A DOOR SHALL NOT VARY BY MORE THAN 1/8". THE ELEVATION SHALL BE MAINTAINED ON BOTH SIDES OF THE DOORWAY FOR A DISTANCE AT LEAST EQUAL TO THE WIDTH OF THE WIDEST LEAF.
- HANDICAP DOOR NOTES**
- HANDLES, PULLS, LATCHES, LOCKSET AND OTHER OPERATING MECHANISMS ON ENTRANCE DOORS, RESTROOM & TOILET ROOM DOORS & OTHER DOORS WHICH ARE PART OF AN ACCESSIBLE ROUTE, SHALL BE OPERABLE WITH ONE HAND & SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
 - ALL DOORS SHALL BE OPERATED BY A SINGLE EFFORT.
 - EXTERIOR SWINGING DOORS: NO REQUIREMENT FOR OPENING FORCE AT THIS TIME.
 - INTERIOR SWINGING DOORS: SHALL BE OPERABLE BY A FORCE OF NOT MORE THAN 5 LBF.
 - SLIDING OR FOLDING DOORS: SHALL BE OPERABLE BY A FORCE OF NOT MORE THAN 5 LBF.
 - THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.
 - ELECTRONICALLY CONTROLLED MECHANISMS ARE LEVER OPERATED, PUSH TYPE, AND EXAMPLES OF ACCEPTABLE DESIGNS.
 - IF SELF-CLOSING VALVES ARE USED THE FAUCET SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS. A STATIC COEFFICIENT OF FRICTION SHALL BE OF 0.6 FOR ACCESSIBLE ROUTES AND 0.8 FOR RAMPS.
 - ALL HANDICAP ACCESSIBLE DOORS, & DOORS THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL BE OPERABLE WITH ONE HAND & ACCEPTABLE TO THE PHYSICALLY HANDICAPPED UNDER THE ADA OR OTHER CODE REQUIREMENTS. SUCH MECHANISMS SHALL BE "J" SHAPED HANDLES, PULLS OR LEVER OPERATED LATCHES, LOCKSETS, ETC.

- FIRESTOPS DETAILS FOR FURRED SPACES**
- STOREFRONT AND WINDOW ELEVATIONS ARE FOR GENERAL CONFIGURATION ONLY. MANUFACTURERS TO DESIGN STOREFRONTS TO MEET ALL APPLICABLE BUILDING CODE REQUIREMENTS AND SHALL SUBMIT SHOP DRAWINGS, PRODUCT APPROVAL AND STRUCTURAL CALCULATIONS SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER FOR REVIEW.
 - ALL WINDOW GLAZING AND GLASS DOORS TO BE CATEGORY II SAFETY GLAZING AS PER FBC 2406.3.
 - ALL GLAZING SHALL BE IMPACT GLASS, LIGHT GRAY TINTED.
 - ALL ALUMINUM IN STOREFRONTS AND WINDOWS TO BE PAINTED ALUMINUM. SUBMIT COLOR SAMPLES TO ARCHITECT PRIOR TO FABRICATION.
 - FIELD VERIFY ALL MASONRY OPENINGS PRIOR TO FABRICATION AND NOTE IN SHOP DRAWINGS SUBMITTAL.
 - SUBMIT PRODUCT APPROVAL.
 - PROVIDE ANY AND ALL NECESSARY BREAK METAL TO MATCH STOREFRONT ON EXTERIOR VERTICAL AND HORIZONTAL ALUM. COLUMNS.
 - CAULK ALL INTERIOR AND EXTERIOR JOINTS EXPOSED TO VIEW AND DOUBLE BEAK OF CAULKING WHERE BUCK MEETS MASONRY.
 - ALL REQUIRED ALUM. TUBING BETWEEN STOREFRONT SYSTEM BY GLASS SUBCONTRACTOR.
 - GLASS DOORS AND ADJACENT GLASS PANELS ARE CATEGORY II SAFETY GLAZING.
- GENERAL GLAZING NOTES:**
- FIXED GLASS IN EXTERIOR WALLS:
 - ALL OPERABLE OR NON OPERABLE GLAZED PANELS, LOCATED WITHIN 12" FROM A DOOR, AND WHOSE BOTTOM IS LESS THAN 48" FROM THE WALKING SURFACE, SHALL BE CAT. II SAFETY GLASS. AS PER FLORIDA BUILDING CODE SECT. 2411.2
 - GLAZING IN INTERIOR OF STRUCTURE:
 - PROVIDE CAT. II SAFETY GLASS IN ALL GLAZING WITHIN 60" OF THE FINISHED FLOOR SURFACE IN WALLS 60" OF THE FINISHED FLOOR SURFACE IN WALLS SURROUNDING ANY TUB OR SHOWER ENCLOSURES. AS PER FLORIDA BUILDING CODE SECT. 2411.6.3
 - ALL GLASS MIRRORS SHALL COMPLY WITH A.S.T.M. C1036
- STOREFRONT & WINDOW NOTES**
- 05.10 CERTIFICATE OF PROTECTIVE TREATMENT FOR PREVENTION OF TERMITES.
- A WEATHER RESISTANT JOBSITE POSTING BOARD SHALL BE PROVIDED TO RECEIVE DUPLICATE TREATMENT CERTIFICATES AS EACH REQUIRED PROTECTIVE TREATMENT IS COMPLETED, PROVIDING A COPY FOR THE PERSON THE PERMIT IS ISSUED TO AND ANOTHER COPY FOR THE BUILDING PERMIT FILES. THE TREATMENT CERTIFICATE SHALL PROVIDE THE PRODUCT USED, IDENTITY OF THE APPLICATOR, TIME AND DATE OF THE TREATMENT, SITE LOCATION, AREA TREATED, CHEMICAL USED, PERCENT CONCENTRATION AND NUMBER OF GALLONS USED, TO ESTABLISH A VERIFIABLE RECORD OF PROTECTIVE TREATMENT. IF THE SOIL CHEMICAL BARRIER METHOD FOR TERMITES PREVENTION IS USED, FINAL EXTERIOR TREATMENT SHALL BE COMPLETED PRIOR TO FINAL BUILDING APPROVAL.
- 05.11 NOTICE OF TERMITE PROTECTION.
- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR RE-INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL.
- 05.16 TERMITE PROTECTION.
- ALL BUILDINGS SHALL HAVE PRE-CONSTRUCTION TREATMENT PROTECTION AGAINST SUBTERRANEAN TERMITES. THE RULES AND LAWS AS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES SHALL BE DEEMED AS APPROVED WITH RESPECT TO PRE-CONSTRUCTION SOIL TREATMENT FOR PROTECTION AGAINST SUBTERRANEAN TERMITES. A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."
- EGRESS NOTES**
- CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH WORK. IF ANY DISCREPANCIES, ERRORS OR OMISSIONS SHOULD BE ENCOUNTERED ON PLANS, CONTRACTOR SHALL NOTIFY ARCHITECT BEFORE ANY PART OF THE WORK IS STARTED, SO THAT PROPER CORRECTIONS CAN BE MADE. IF ARCHITECT IS NOT NOTIFIED PRIOR TO COMMENCING OF THE WORK, THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR ANY DISCREPANCIES, ERRORS OR OMISSIONS.
 - ALL NEW WOOD TO BE INHERENTLY FIRE RETARDANT.
 - PANEL FINISHES TO BE SLIP RESISTANT. 0.6 COEFFICIENT OF FRICTION FOR ACCESSIBLE ROUTE. 0.8 FOR RAMPS.
 - ALL GROUT TO BE EPOXY GREASE RESISTANT & SEALED.
 - PROVIDE FLOOR TO CEILING PLASTIC (SCREWED IN TYPE) CORNER GUARDS AT KITCHEN OUTSIDE CORNERS.
 - INSTALL CLEAR SILICONE CAULK AT ALL JOINTS AS DIRECTED BY HEALTH DEPARTMENT.
 - INTERIOR FLOOR TO HAVE SURFACES WHICH ARE EVEN AND SUBSTANTIALLY EVEN.
 - CONTRACTOR TO VERIFY IN FIELD DIMENSIONS OF ALL OPENINGS & ACCOMMODATE FINISH WHERE REQUIRED.
 - TO VERIFY ALL DOORS JAMB CLEAR WIDTH INCLUDING CASING REQS. BEFORE INSTALLATION OF ANY STUDS.
 - ALL NEW FINISHES: WALL/CEILING/FLOOR/TRIM/DECOR. ARE TO COMPLY WITH FBCB CHAPTER 8, FOR FLAME SPREAD AND SMOKE DEVELOPMENT CLASSIFICATION.

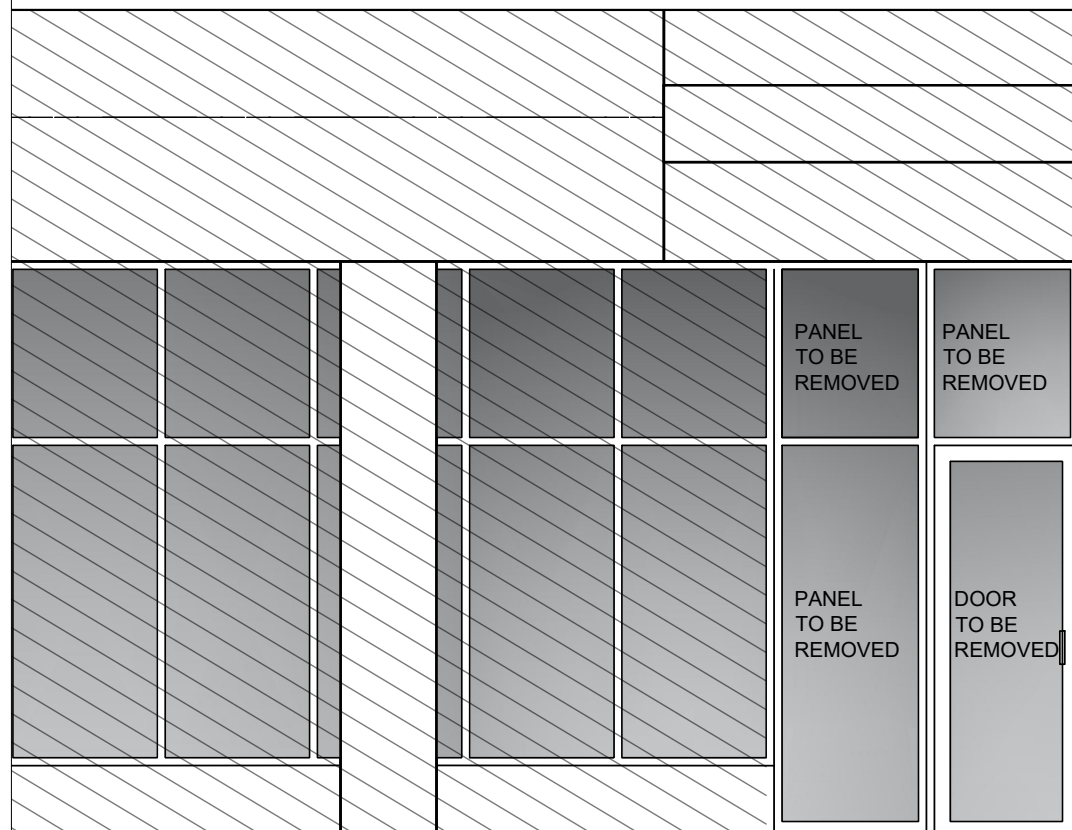
D1 DOOR / WINDOWS SCHEDULES AND NOTES



- TERMITE PROTECTION**
- ALL SINGLE EXTERIOR SWINGING DOORS SHALL HAVE A LOCK TO BE KEY-OPERATED FROM THE EXTERIOR WITH A MIN. OF 6,000 POSSIBLE KEY CHANGES OR LOCKING AUXILIARY SINGLE DEAD BOLT WITH HARDENED BOLT INSERTS.
 - ALL LOCKS ON EXTERIOR DOORS SHALL BE CAPABLE OF RESISTING A FORCE OF 300 LBS. APPLIED IN ANY MOVABLE DIRECTION AND IN ACCORDANCE WITH RESISTANCE STANDARDS SET FORTH.
 - THE ACTIVE LEAF OF PAIRS OF EXTERIOR SWINGING DOORS SHALL HAVE THE SAME LOCK AS REQUIRED FOR SINGLE EXTERIOR SWINGING DOORS. THE INACTIVE LEAF OF THESE PAIR OF DOORS SHALL HAVE A MULTIPLE POINT LOCK WITH 5/8" MIN. THROW BOLTS WITH INSERTS.
 - HINGES ON EXTERIOR OUT-SWINGING DOORS SHALL HAVE NON-REMOVABLE PINS.
 - JAMBS OF ALL EXTERIOR OFFSET TYPE IN-SWINGING DOORS SHALL BE RABBETED OR OF A SIMILAR FABRICATION TO PREVENT DEFEATING THE PURPOSE OF THE STRIKE AND THE INTEGRITY OF LOCKS AND LATCHES.
 - GLASS AND EXTERIOR DOORS SHALL COMPLY WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE'S STANDARD 297.1.
 - FRONT AND MAIN ENTRANCE DOORS SHALL BE PROVIDED WITH A DOOR SCOPE OR VISION PANELS. VISION PANELS IN EXTERIOR DOORS, OTHER THAN GLAZING WITHIN 40" OF THE INSIDE LOCK ACTIVATING DEVICE, SHALL COMPLY WITH ANSI 297.1.
- A. IF THE DESIGN PRESSURE ON THE WINDOW DOES NOT EXCEED 65 PSF, SECURE THE WINDOW TO A 2" X P.T. WOOD BUCK USING THE NUMBER AND TYPE OF FASTENERS AS DESCRIBED ON THE NOTICE OF ACCEPTANCE & SECURE THE 2" X WOOD BUCK TO THE STRUCTURE USING 1" CORROSION RESISTANCE APPROVED CONCRETE SCREW ANCHORS W/ A MIN. EMBEDMENT OF 4" @ 24" O.C. (6" FROM ENDS) ON CONCRETE AND @ 15" O.C. (6" FROM ENDS) ON 3000 PSI ON ASTM C-90 CONCRETE BLOCK OR
- B. SECURE WINDOW DIRECTLY TO STRUCTURE W/ 1" CORROSION RESISTANCE APPROVED CONCRETE SCREW ANCHORS W/ A MIN. EMBEDMENT OF 4" SPACED AS DESCRIBED ON THE NOTICE OF ACCEPTANCE. A NOMINAL 1"x3" P.T. WOOD SPACER SHALL BE USED BETWEEN THE WINDOW AND THE STRUCTURE BUT THE EMBEDMENT IN THE CONCRETE BLOCK SHALL REMAIN TO BE 4".

- GENERAL FINISH NOTES**
- ANY DOOR IN ANY MEANS OF EGRESS PATH SHALL COMPLY WITH FBC 1010 FOR REQUIRED FORCE TO OPEN. A 15LB (67 N) FORCE SHALL RELEASE A LATCH.
 - NO DOOR IN THE PATH OF TRAVEL OF MEANS OF ESCAPE SHALL BE LESS THAN 32" WIDE, EXCEPT THAT BATHROOM DOORS MAY BE 24" WIDE UNLESS A LARGER DOOR OPENING IS REQUIRED TO SATISFY THE REQUIREMENTS OF SECTION 515 OF THE SOUTH FLORIDA BUILDING CODE.
 - EVERY BATHROOM DOOR LOCK SHALL BE DESIGNED TO PERMIT THE OPENING OF THE LOCKED DOOR FROM THE OUTSIDE IN AN EMERGENCY.
 - NO DOOR IN ANY MEANS OF ESCAPE SHALL BE LOCKED AGAINST EGRESS WHEN THE BUILDING IS OCCUPIED. ALL LOCKING DEVICES WHICH IMPEDE OR PROHIBIT EGRESS OR WHICH CAN NOT BE EASILY ENGAGED SHALL BE PROHIBITED.
 - ANY DOOR IN A REQUIRED MEANS OF EGRESS FROM AN AREA HAVING AN OCCUP. LOAD OF 50 OR MORE PERSONS SHALL BE PROVIDED WITH A PANIC HARDWARE OR FIRE EXIT HARDWARE.
 - EGRESS DOORS EQUIPPED WITH KEY-OPERATED LOCKING DEVICES FROM THE EGRESS SIDE SHALL MET ALL THE FOLLOWING CRITERIA:
 - THE LOCKING DEVICE IS READILY Distinguishable AS LOCKED.
 - A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING: THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED. THE SIGN SHALL BE IN LETTERS 1 INCH (25 MM) HIGH ON A CONTRASTING BACKGROUND.
 - WALK-IN COOLERS AND FREEZERS SHALL BE EQUIPPED WITH 1/4 QUARTER TURN LOW CONDUCTION DOOR LOCKING MECHANISM AS REQUIRED FOR OCCUPANTS TO EXIT EASILY AND QUICKLY AND SO PREVENT ENTRAPMENT.

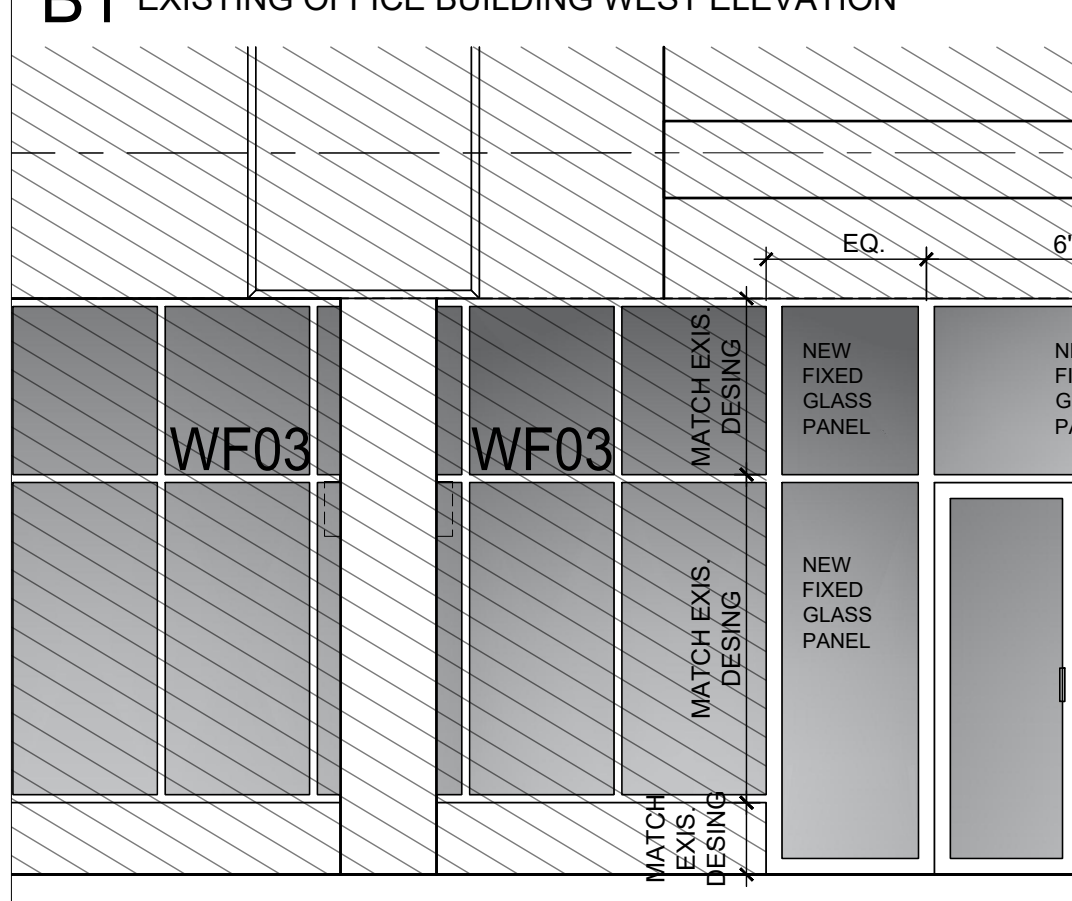
C1 KEY PLAN (WEST ELEVATION)



C2 GENERAL NOTES

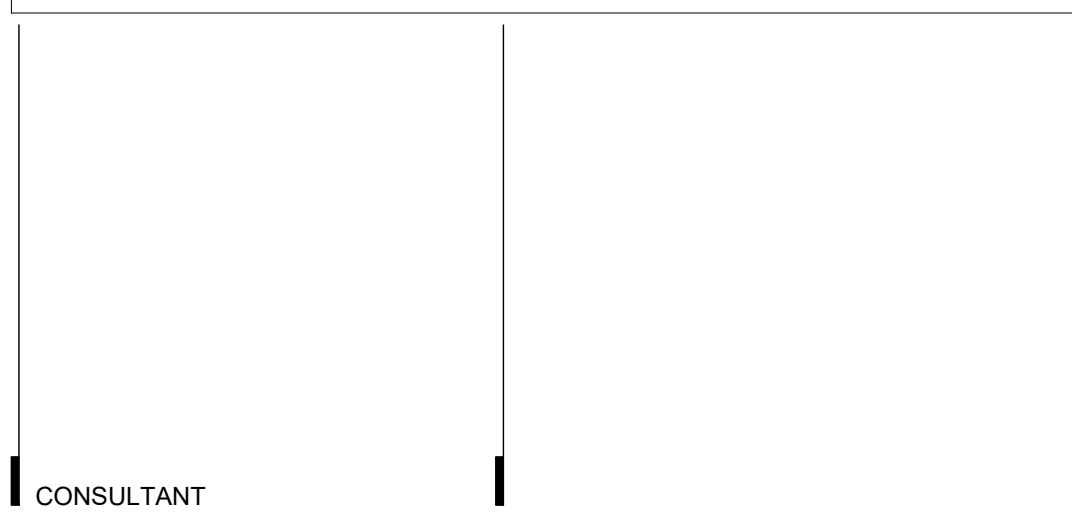
- AREA NOT PART OF THIS PERMIT SCOPE (REFER TO APPROVED DRB24-1009/FAÇADE -SUBMITTED BC2424820/FAÇADE)
- EXISTING SLIDING DOOR TO BE REMOVED
- PANEL TO BE REMOVED
- DOOR TO BE REMOVED
- NEW LOW WALL (REFER TO STRUCTURAL DRAWING)

B1 EXISTING OFFICE BUILDING WEST ELEVATION

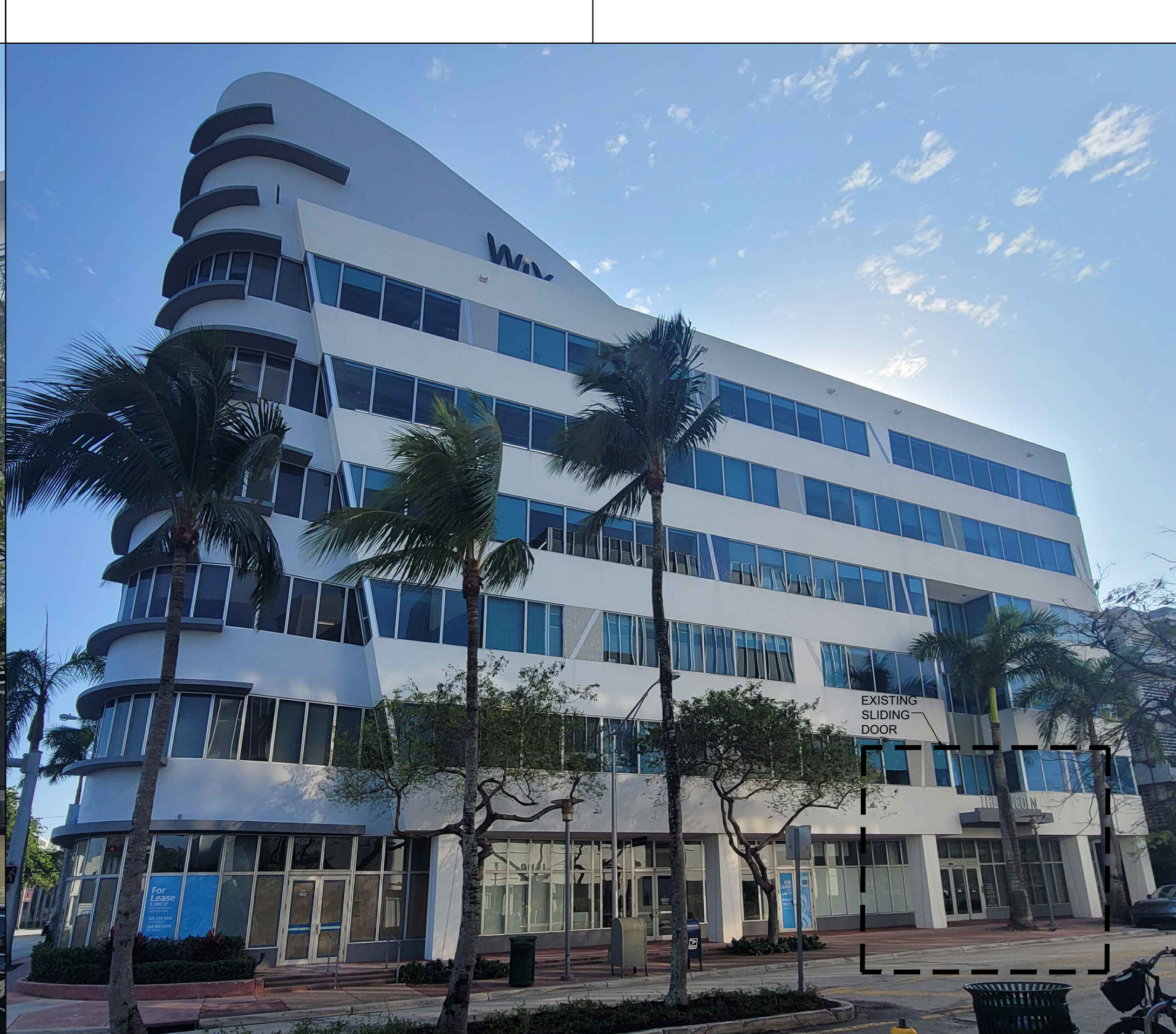


- AREA NOT PART OF THIS PERMIT SCOPE (REFER TO APPROVED DRB24-1009/FAÇADE -SUBMITTED BC2424820/FAÇADE)
- PROPOSED ALUMINUM STOREFRONT. MULLIONS WILL BE POWDER COATED PAINTED TO MATCH METAL SCREEN COLOR
- NEW LOW WALL (REFER TO STRUCTURAL DRAWING)

A1 PROPOSED OFFICE BUILDING WEST ELEVATION



A3 EXISTING DOOR PHOTO



A5 EXISTING DOOR PHOTO

THE LINCOLN BL
1691 MICHIGAN
MIAMI BEACH, FL 33139

BGArchitects

DWG. TITLE
DOOR SCHEDULE

SCALE
N.T.S

PROJECT NO.
2023-33

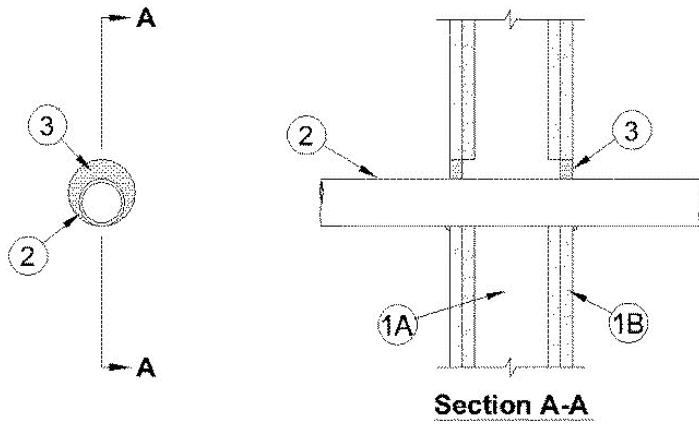
DATE
07-07-2025

SHEET NUMBER
A-601

11-27-2024 CITY COMMENTS

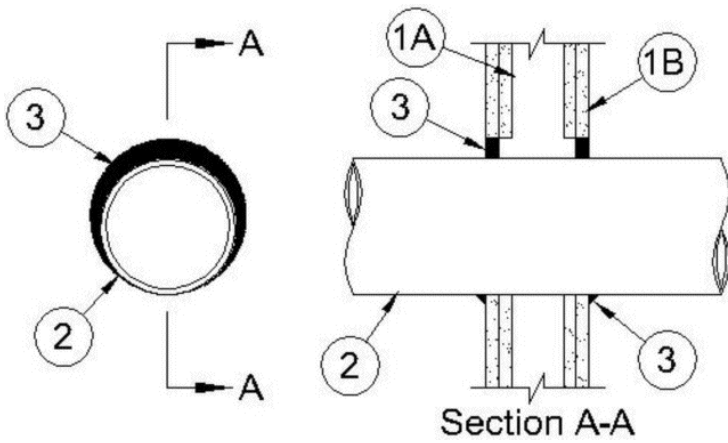
DATE REVISION

UL System No. W-L-2299 May 19, 2005 F Ratings — 1 & 2 Hr (See Item 1) T Rating — 0 Hr W-L-2299



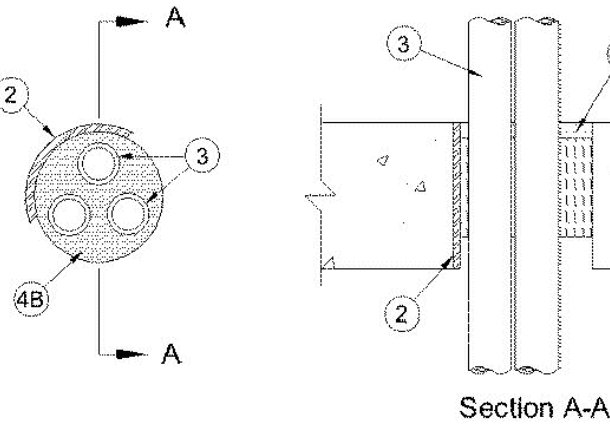
1. Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide spaced max 24 in. (610 mm) OC.
B. Gypsum Board* — The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Design in the UL Fire Resistance Directory. Max diam of opening is 3-1/2 in. (89 mm).
The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through-Penetrants — One nonmetallic pipe, conduit installed eccentrically or concentrically within opening. Annular space between penetrant and periphery of opening to be min 0 in. (0 mm, point contact) to max 1-1/8 in. (29 mm) Penetrant to be rigidly supported on both sides of wall. The following types and sizes of penetrants may be used:
A. Polyvinyl Chloride (PVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid core cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.
C. Rigid Nonmetallic Conduit+ — Nom 2 in. (51 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NFPA No. 70).
D. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 1-1/2 in. (38 mm) diam (or smaller) Schedule 40 solid core or cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
E. Electrical Nonmetallic Tubing (ENT)+ — Nom 1-1/4 in. (32 mm) diam (or smaller) ENT installed in accordance with Article 351 of the National Electrical Code (NFPA No. 70).
See Electrical Nonmetallic Tubing (FHKU) category in the Electrical Construction Materials Directory for names of manufacturers.
3. Fill, Void or Cavity Material+ — Caulk or Sealant — Min 5/8 in. (16 mm) thickness of caulk applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall.
3M COMPANY — IC 15WB+, CP 25WB+ caulk or FB-3000 WT sealant. (Note: CP 25WB+ not suitable for use with CPVC pipes.)

UL System No. W-L-1296 February 14, 2008 F Ratings — 1 & 2 Hr (See Item 1) T Ratings — 0 and 1/4 Hr (See Item 1) W-L-1296



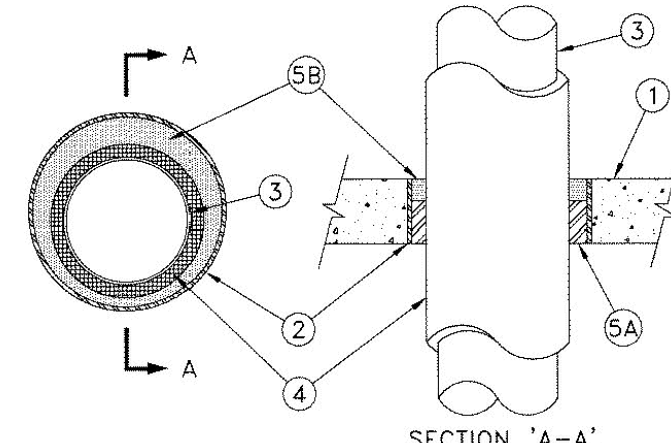
1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide spaced max 24 in. (610 mm) OC.
B. Gypsum Board* — The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 10-5/8 in. (270 mm).
C. Steel Sleeve+ — (Optional, Not Shown) — Cylindrical sleeve fabricated from min 0.019 in. thick (0.48 mm) galv sheet steel and having a min 2 in. (51 mm) lap along the longitudinal seam. Length of steel sleeve to be equal to thickness of wall. Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the openings and releasing the coil to let it uncoil against the circular cutouts in the gypsum wallboard layers.
The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T Rating is 0 and 1/4 Hr for 1 and 2 Hr rated assemblies, respectively.
2. Through-Penetrants — One metallic pipe, conduit, tubing or flexible metal pipe installed concentrically or eccentrically within opening. Annular space between penetrant and periphery of opening to be min 0 in. (0 mm, point contact) to max 2 in. (51 mm). Penetrant to be rigidly supported on both sides of wall. The following types and sizes of penetrants may be used:
A. Steel Pipe — Nom 8 in. (203 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
B. Iron Pipe — Nom 8 in. (203 mm) diam (or smaller) cast or ductile iron pipe.
C. Conduit+ — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or nom 6 in. (152 mm) rigid steel conduit.
D. Copper Tubing+ — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.
E. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
F. Through Penetrating Product+ Flexible Metal Pipe+ — The following types of steel flexible metal gas piping may be used:
1) Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
OMEGA FLEX INC
2) Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
WARD MFG INC
3. Fill, Void or Cavity Material+ — Caulk or Sealant — Min 5/8 in. (16 mm) thickness of caulk applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall.
3M COMPANY — IC 15WB+, CP 25WB+ caulk or FB-3000 WT sealant
+Bearing the UL Classification Mark

UL System No. C-AJ-2378 May 19, 2005 F Ratings — 2 Hr T Rating — 0 Hr W Rating — Class 1 (See Item 4) C-AJ-2378



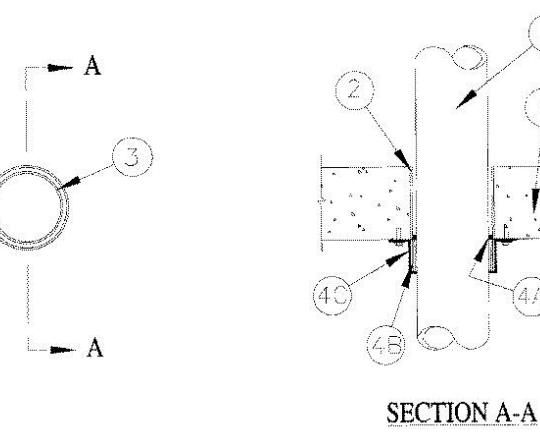
1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1778 - 2400 kg/m3) concrete. Floor assembly may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core Precast Concrete Units*. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 5 in. (127 mm).
See Concrete Blocks (CAZT) and Precast Concrete Units (CFTV) categories in Fire Resistance Directory for names of manufacturers.
2. Steel Sleeve+ — (Optional) - Nom 5 in. (127 mm) diam (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Steel sleeve may be installed flush or may project max 2 in. (51 mm) beyond the floor or wall surfaces.
3. Through-Penetrants — One or more nonmetallic pipes, conduits or tubes installed concentrically or eccentrically within opening. Annular space between penetrants and periphery of opening or sleeve shall be min of 1/4 in. (6 mm) to max 2 in. (51 mm). The space between penetrants shall be min of 1/4 in. (6 mm) to max 2 in. (51 mm). Penetrants to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of penetrants may be used:
A. Polyvinyl Chloride (PVC) Pipe — Nom 1-1/2 in. (38 mm) diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
B. Rigid Nonmetallic Conduit+ — Nom 1-1/2 in. (38 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70).
C. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 1-1/2 in. (38 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.
D. Crosslinked Polyethylene (PEX) Tubing — Nom 1 in. (38 mm) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
4. Firestop System+ — The details of the firestop system shall be as follows:
A. Packing Material+ — Min 3 in. (76 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or top edge of sleeve or from both surfaces of wall or both ends of sleeve as required to accommodate the required thickness of fill material. In floors constructed of hollow-core concrete, packing material to be recessed from top and bottom surfaces of floor or sleeve as required to accommodate the required thickness of fill material.
B. Fill, Void or Cavity Materials+ — Caulk or Sealant — Min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top surface of floor or top edge of sleeve or with both surfaces of wall or both ends of sleeves. In floors constructed of hollow-core concrete, min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top and bottom surfaces of floor or sleeve. Min 1/4 in. (6 mm) diam bead of caulk applied to the penetrant/concrete or penetrant/sleeve interface at the point contact location on the top surface of floor or both surfaces of wall or hollow-core concrete.
3M COMPANY — IC 15WB+, CP 25WB+ caulk or FB-3000 WT sealant
(Note: W Rating applies only when FB-3000 WT is used. CP 25WB+ not suitable for use with CPVC pipes.)

UL System No. C-AJ-5208 January 06, 2010 F Rating — 2 Hr T Rating — 1/2 Hr C-AJ-5208



1. Floor or Wall Assembly — Min 2-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf concrete floor or min 3-1/2 in. thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 8-1/4 in.
See Concrete Blocks (CAZT) in Volume 1 of the Fire Resistance Directory for names of manufacturers.
2. Metallic Sleeve (Optional) — Nom 8 in. diam (or smaller) Schedule 10 steel pipe cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
3. Through Penetrants — One metallic pipe or tubing to be installed concentrically or eccentrically within the firestop system. Pipe or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or tubing may be used:
A. Steel Pipe — Steel Pipe — Nom 4 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.
B. Iron Pipe — Nom 4 in. diam (or smaller) cast or ductile iron pipe.
C. Copper Tubing — Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing.
D. Copper Pipe — Nom 4 in. diam (or smaller) Regular (or heavier) copper pipe.
4. Pipe Insulation — Plastic+ - Nom 1 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. The annular space shall be min 1/2 in. to max 1-3/8 in.
Use Plastics+ (QMFZ2) category in the Plastic Compendium Directory for names of manufacturers. Any Recognized Composite tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 0-95A may be used.
5. Firestop System — The firestop system shall consist of the following:
A. Packing Material+ — Min 1-1/2 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
B. Fill, Void or Cavity Material+ — Sealant Min 1 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.
RECTOREAL — FlameSafe® FS1000
+Bearing the UL Recognized Compendium Marking
+Bearing the UL Classification Mark

UL System No. C-AJ-2242 November 20, 2009 F Rating — 2 Hr T Ratings — 1-3/4 and 2 Hr (See Item 2) W Rating — Class 1 (See Item 4) C-AJ-2242



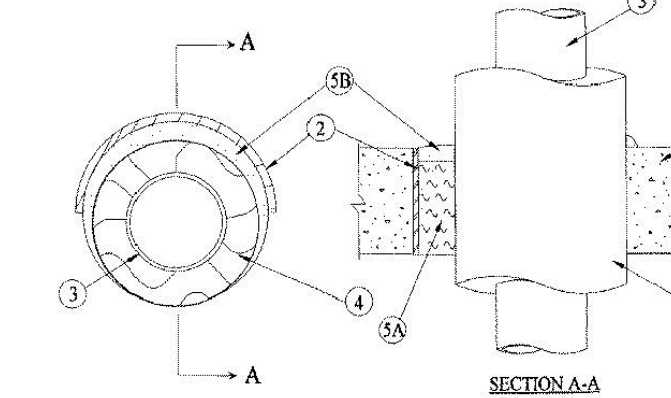
1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600 - 2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Floor may also be constructed of any 6 in. (152 mm) thick UL Classified hollow core Precast Concrete Units*. For nom 2-1/2 in. (64 mm) diam and smaller pipes and conduits diam of opening shall be 1/2 in. (13 mm) larger than nom pipe diam. For pipes and conduits greater than nom 2-1/2 in. (64 mm) diam of opening shall be 1 in. (25 mm) larger than nom pipe diam.
See Concrete Blocks (CAZT) and Precast Concrete Units (CFTV) categories in the Fire Resistance Directory for names of manufacturers.
2. Steel Sleeve+ — (Optional) — Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. When Steel Sleeve is used, T Rating is 1-3/4 Hr.
3. Through Penetrants — One nonmetallic pipe or conduit to be centered within opening with a nom annular space between pipe or conduit and periphery of 1/8 in. (3.2 mm) for nom 2-1/2 in. (64 mm) diam and smaller pipes and conduits and 1/4 in. (6 mm) for pipes and conduits greater than nom 2-1/2 in. (64 mm). Pipe or conduit to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of nonmetallic pipes may be used:
A. Polyvinyl Chloride (PVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
B. Rigid Nonmetallic Conduit+ — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70).
C. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 4 in. (102 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
D. Acrylonitrile Butadiene Styrene (ABS) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid core or cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
E. Fire Retardant Polypropylene (FRPP) Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
4. Firestop System — The firestop system shall consist of the following:
A. Fill, Void or Cavity Materials+ — Caulk or Sealant — Min 1/4 in. (6 mm) thickness of caulk applied within annular space, flush with bottom of floor, or both sides of wall.
3M COMPANY — CP 25WB+ caulk, FB-3000 WT sealant, IC 15WB+ caulk, or FireDam 150+ caulk. (Note: W Rating applies only when FB-3000 WT is used. CP 25WB+ and FireDam 150+ not suitable for use with CPVC pipes.)
A1. Fill, Void or Cavity Materials+ — Sealant (Optional, Not Shown) — For floor assemblies, min 1/2 in. (13 mm) thickness of sealant may be applied within the annular space flush with top surface of floor.
3M COMPANY — FB-1000 NS or FB-3000 WT
(Note: W Rating applies when FB-3000 WT or FB-1000 NS is used.)
B. Fill, Void or Cavity Materials+ — Wrap Strip — Nom 1 1/8 in. (32 mm) thick intumescent material supplied in 2 in. (51 mm) wide strips. Wrap strip tightly wrapped around nonmetallic pipe with continuous layers and butted tightly against the bottom surface of the floor or both surfaces of the wall. For nom 2 in. (51 mm) diam (and smaller) pipes, one layer is required. For nom 2-1/2 and 3 in. (64 and 76 mm) diam pipes, two layers are required. For nom 3-1/2 and 4 in. (89 and 102 mm) diam pipes, three layers are required. Wrap strip layers temporarily held in position using aluminum foil tape, steel wire tie, or equivalent.
3M COMPANY — Ultra GS
3. Steel Collar — Nom 2 in. (51 mm) deep collar with 1-1/4 in. (32 mm) wide by 2 in. (51 mm) long anchor tabs and min 1/2 in. (13 mm) long tabs to retain wrap strip layers. Coils of precut 0.016 in. (0.41 mm) thick (28 gauge) galv sheet steel available from wrap strip manufacturer. As an alternate, collar may be field-fabricated from min 0.016 in. (0.41 mm) thick (28 gauge) galv sheet steel in accordance with instruction sheet supplied by wrap strip manufacturer. Steel collar, with anchor tabs bent outward 90 degree, wrapped tightly around wrap strip layers with min 1 in. (25 mm) overlap at seam. Anchor tabs to be pressed tightly against floor or wall surface(s), and collar to be compressed around wrap strip layers using a min 1/2 in. (13 mm) wide by 0.028 in. (0.71 mm) thick stainless steel band clamp at the collar midheight. As an alternate to the band clamp, collar for systems with three or more layers of wrap strip may be fastened together along the overlapping seam with three No. 6 by 3/8 in. (110 mm) long self-tapping steel screws. Collar to be secured to floor or wall surface(s) with 1/4 in. (6 mm) diam by min 1-1/2 in. (38 mm) long steel expansion bolts in conjunction with steel nuts and min 1-1/4 in. (32 mm) diam steel fender washers. Min 3 in. three or four anchor bolts, symmetrically located, for nom 2 in. (51 mm) diam (and smaller), nom 3 in. (76 mm) diam (and smaller) and nom 4 in. (102 mm) diam (and smaller), pipes, respectively.
D. Firestop Device+ — As an alternate to Items 4B and 4C, firestop device to be installed in accordance with the accompanying installation instructions. Firestop device to be installed and latched around pipe and secured to the underside of the floor or both side walls with Ultra Fast Anchor Strips or with 1/4 in. (6 mm) diam by min 1-1/4 in. (32 mm) long steel anchor bolts in conjunction with min 1-1/4 in. (32 mm) diam steel fender washers. Min 4 in. three or four anchor bolts or anchor bolts, symmetrically located, for nom 2, 3 and 4 in. (51, 76 and 102 mm) diam pipes, respectively.
3M COMPANY — Ultra RC Diap 2.0, 3.0, 4.0

UL System No. 263 June 13, 2024 Ceiling Membrane Rating — 1 Hr UL-263



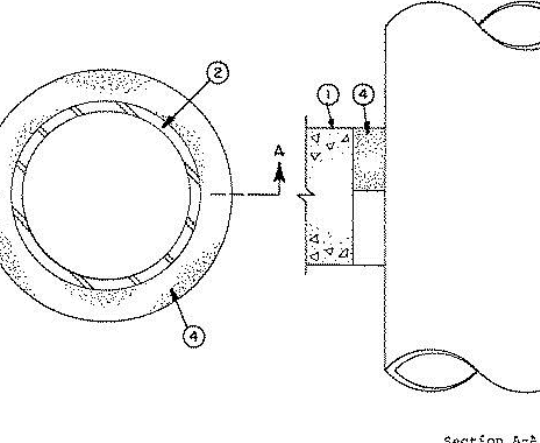
1 Supporting Structure #1 —Fire-resistance rated. Suitable point of attachment of C-Channels (Item 4).
2 Supporting Structure #2 —If necessary - Suitable point of attachment of hanger wire (Item 3).
3 Hanger Wire —If necessary - Min. 8 gauge steel wire, hung from holes punched in C-Channel (Item 4). Hanger wire spaced nominally 24 in. OC.
4 C-Channels —Used to support steel studs at both ends. Min. 3-5/8 in. deep with min. 1-1/4 in. legs and formed from min. No. 20 MSG galv. steel. Perimeter channels attached to a fire-resistance rated supporting structure (Item 1) with fasteners spaced not greater than 24 in. O.C. at both the top and bottom of the vertical leg. When used with Items 2 and 3, C-Channels secured back to back with 1/2 in. Type S screws spaced 24 in. OC along centerline of C-Channels. Where C-Channels form a butt joint, screws placed at both top and bottom of both sideoff butt joint.
5 Steel Studs —Min. 3-5/8 in. wide with min. 1-5/8 in. legs containing folded back flanges and formed from min. No. 20 MSG galv. steel. Studs to be cut 3/8 in. to 5/8 in. to less than cleat span between the vertical legs of the perimeter channels. Studs spaced a max. 16 in. OC. At each end of the stud, the top and bottom legs shall be secured to the perimeter channel with one 5/8 in. long pan-head steel screw. Studs are used at each end of the horizontal barrier to terminate the assembly at the adjoining wall. These end studs shall be secured to the adjoining wall in the same manner as the perimeter channels (Item 4). Maximum unsupported length of studs not to exceed 8 ft. 1 in.
6 Steel Strip —Min 4 in. wide formed from min. No. 20 MSG galv. Steel. Secured perpendicular to the studs at the centerline of the span using one 3/8 in. long pan-head steel screw.Strips to be overlapped one full stud bay at splice locations. As an alternate to the steel strip, C-Channels (Item 4) may be substituted and installed in the same manner as the steel strips. If acconituous piece is not used, abut channels on each side of the centerline of the span and overlap one full stud bay.
6A Framing Members+ —As an alternate to Items 3, 4, 5, and 6 - Main runners, cross tees, cross channels and wall angle as listed below:
a Main Runners —Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners suspended by min 12 SWG galv steel hanger wires spaced 24 in. OC. Wist tied to supporting structure.
b Cross Tees —Nom 4 ft long, 1-1/2 in. wide face, installed perpendicular to the main runners, spaced 16 in. OC. The cross tees or cross channels may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation.
c Wall Channels —Nom 4 ft long, installed perpendicular to main runners, spaced 16 in. OC.
d Wall Angle or Channel — Painted or galv steel angle with 1 in. legs or channel with 1 in. legs, 1/4 in. deep attached to walls at perimeter of ceiling with fasteners 16 in. OC. Tossupport steel framing member ends and for screw-attachment of the gypsum panel.
ARMSTRONG WORLD INDUSTRIES INC. — Type DFR-8000.
7 Gypsum Board* —Three layers of nom. 5/8 in. thick gypsum board installed with long dimension perpendicular to the steel studs or Framing Members+. Back secured to studs and perimeter channels with 1 in. long Type S steel screws spaced max. 16 in. OC. Middle layer secured to the studs or Framing Members+ and perimeter supports with 1-5/8 in. long Type Steel screws spaced max. 16 in. OC. Middle layer edge and end joints staggered a min. 16 in. from base layer joints. Face layer secured to the studs or Framing Members+ and perimeter supports with 2-1/4 in. long Type S steel screws spaced max. 12 in. OC. Face layer edge and end joints staggered a min. 16 in. from middle layer joints.
NATIONAL GYPSUM CO. — Type FSW, FSW-6, FSW-C, eXP-C
8 Joint Tape and Compound —Not Shown — (Optional, Not Required On Joints or Screw Heads) — Vinyl, dry or premixed joint compound, applied in two coats to joints and screwheads; paper tape, nom. 2 in. wide, embedded in first layer of compound over all joints.

UL System No. C-AJ-5127 July 28, 2003 F Rating — 1 Hr T Rating — 0 Hr C-AJ-5127



1. Floor or Wall Assembly — Min 4-1/2 in. thick reinforced normal weight (140-150 pcf) concrete floor or min 5 in. thick reinforced normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 10 in.
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Metallic Sleeve+ (Optional) — Nom 10 in. diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
3. Through Penetrants — One metallic pipe to be installed either concentrically or eccentrically within the firestop system. Pipe to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes may be used:
A. Steel Pipe — Nom 4 in. diam (or smaller) Schedule 40 (or heavier) steel pipe.
B. Iron Pipe — Nom 4 in. diam (or smaller) cast or ductile iron pipe.
C. Copper Pipe — Nom 4 in. diam (or smaller) Regular (or heavier) copper pipe.
D. Pipe Coverings+ — One of the following types of pipe coverings shall be used:
A. Pipe and Equipment Covering Materials+ — Nom 2 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape applied with the product. The annular space within the firestop system shall be min 0 in. (point contact) to max 1-1/2 in.
See Pipe and Equipment Covering + Materials+ (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
B. Pipe Covering Materials+ — Nom 2 in. thick unfaced mineral fiber pipe insulation having a nom density of 3.5 pcf (or heavier) and sized to the outside diam of pipe or tube. Pipe insulation secured with min 8 AWG steel wire spaced max 24 in. OC. The annular space within the firestop system shall be 0 in. (point contact) to max 1-1/2 in.
IG MINWOOOL L L C — High Temperature Pipe Insulation 1200, High Temperature Pipe Insulation BWT or High Temperature Pipe Insulation Thermalco
C. Sheathing Material+ — Used in conjunction with Item 3B. Full-scrim-kraft or all service jacket material shall be wrapped around the outer circumference of the pipe insulation (Item 4B) with the kraft side exposed. Longitudinal joints and transverse joints sealed with metal fasteners or ducty tape.
See Sheathing Materials (BVDV) category in the Building Materials Directory for names of manufacturers. Any sheathing material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
5. Firestop System — The firestop system shall consist of the following:
A. Packing Material+ — Min 4 in. in. thickness of min 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. At the point contact location between insulated through penetrant and concrete, packing material forced into interstices of insulated through penetrant and concrete to max extent possible. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
B. Fill, Void or Cavity Material+ — Sealant — Min 1/2 in. in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall as required to accommodate the required thickness of fill material.
C. Banding Material+ — (Not Shown) — Nom 4 in. diam open cell polyurethane foam backer rod friction-fitted into the opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
4. Fill, Void or Cavity Material+ — Sealant — Min 3/4 in. thickness of fill material applied within annulus, flush with top surface of floor or with both surfaces of wall.
3M COMPANY — Types FB-2000 or FB-2000+ (Note: L Ratings apply only when FB-2000+ is used.)

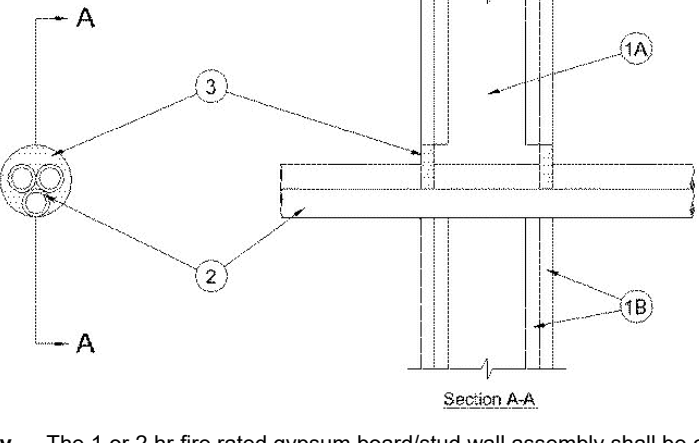
UL System No. C-AJ-1013 December 07, 1999 F Rating — 1 Hr T Rating — 0 Hr L Rating At Ambient — Less Than 1 CFM/sq ft (See Item 4) L Rating At 400 F — Less Than 1 CFM/sq ft (See Item 4) C-AJ-1013



1. Floor or Wall Assembly — Min 5 in. thick reinforced normal weight (140-155) pcf concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 6 in.
See Concrete Block (CAZT) category in the Fire Resistance Directory.
2. Through Penetrants — One metallic pipe, or conduit to be centered within the firestop system. Pipe or conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or conduits may be used:
A. Steel Pipe — Nom 4 in. diam (or smaller) Schedule 5 (or heavier) steel pipe. A nom annular space of 3/4 in. is required within the firestop system.
B. Conduit+ — Nom 4 in. diam (or smaller) steel electrical metallic tubing or steel conduit. A nom annular space of 3/4 in. is required within the firestop system.
3. Packing Material+ — (Not Shown) — Nom 4 in. diam open cell polyurethane foam backer rod friction-fitted into the opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
4. Fill, Void or Cavity Material+ — Sealant — Min 3/4 in. thickness of fill material applied within annulus, flush with top surface of floor or with both surfaces of wall.
3M COMPANY — Types FB-2000 or FB-2000+ (Note: L Ratings apply only when FB-2000+ is used.)

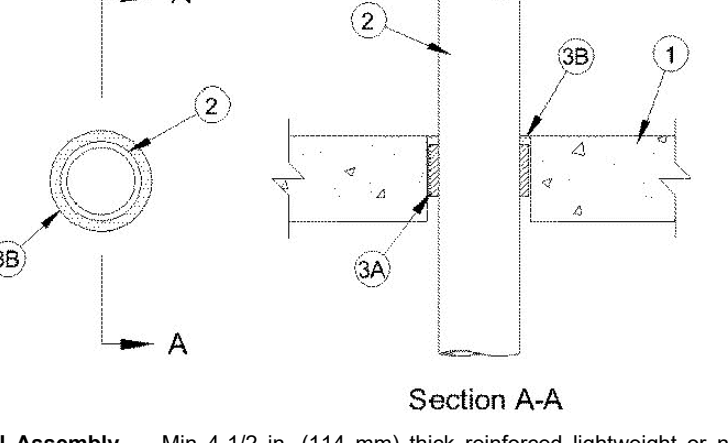
NOTES:
1. THE CONTRACTOR IS RESPONSIBLE FOR UTILIZING PRODUCTS SUITABLE FOR THE ASSEMBLIES DESCRIBED BY DETAILS.
2. REFER TO UL DIRECTORY FOR MATERIAL RATING AND SUPPLIER INFORMATION.
3. LOOK FOR UL MARK ON PRODUCT TO BE UTILIZED.

UL System No. W-L-2300 May 19, 2005 F Ratings — 1 and 2 Hr (See Item 1) T Ratings — 0 and 1/2 Hr (See Item 1) W-L-2300



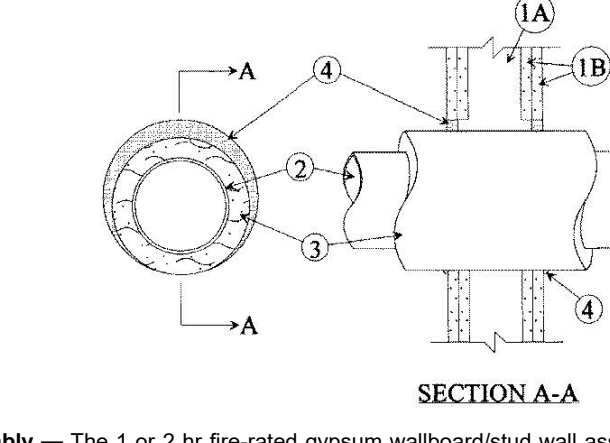
1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide spaced max 24 in. (610 mm) OC.
B. Gypsum Board* — The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Design in the UL Fire Resistance Directory. Max diam of opening is 4 in. (102 mm).
The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T Rating is 0 and 1/2 Hr for 1 and 2 Hr rated assemblies, respectively.
2. Through-Penetrants — One or more nonmetallic pipes, conduits or tubes installed concentrically or eccentrically within opening. Annular space between penetrants and periphery of opening to be min 0 in. (0 mm, point contact) to max 1 in. (25 mm) Penetrants to be rigidly supported on both sides of wall. The following types and sizes of penetrants may be used:
A. Polyvinyl Chloride (PVC) Pipe — Nom 1-1/2 in. (38 mm) diam (or smaller) Schedule 40 solid or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
B. Fill, Void or Cavity Materials+ — Caulk or Sealant — Min 1/2 in. (13 mm) thickness of caulk applied within annulus, flush with top surface of floor or with both surfaces of wall. In floors constructed of hollow-core concrete, min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top and bottom surfaces of floor.
3M COMPANY — IC 15WB+, CP 25WB+ caulk or FB-3000 WT sealant
>Note — W Rating applies only when FB-3000 WT is used. CP 25WB+ not suitable for use with CPVC pipes.)

UL System No. C-AJ-2377 May 19, 2005 F Rating — 2 Hr T Rating — 2 Hr W Rating — Class 1 (See Item 3) C-AJ-2377



1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600 - 2400 kg/m3) concrete. Floor assembly may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core Precast Concrete Units*. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 5 in. (127 mm).
See Concrete Blocks (CAZT) and Precast Concrete Units (CFTV) categories in Fire Resistance Directory for names of manufacturers.
2. Through Penetrant+ — Nom 3 in. (76 mm) diam (or smaller) Schedule 40 polyvinyl chloride (PVC) or SDR13.5 chlorinated polyvinyl chloride (CPVC) pipe for use in closed (process or supply) piping systems. One pipe to be installed concentrically or eccentrically within opening. Annular space between pipe and periphery of opening shall be min 1/2 in. (13 mm) to max 1 in. (25 mm). Pipe to be rigidly supported on both sides of floor or wall assembly.
3. Firestop System+ — The firestop system shall consist of the following:
A. Packing Material+ — Min 3 in. (76 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material. In floors constructed of hollow-core concrete, packing material to be recessed from top and bottom surfaces of floor with the annulus, flush with top surface of floor or with both surfaces of wall.
B. Fill, Void or Cavity Material+ — Caulk or Sealant — Min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top and bottom surfaces of floor or sleeve as required to accommodate the required thickness of fill material.
3M COMPANY — IC 15WB+, CP 25WB+ caulk or FB-3000 WT sealant
>Note — W Rating applies only when FB-3000 WT is used. CP 25WB+ not suitable for use with CPVC pipes.)

UL System No. W-L-5039 September 07, 2004 F Ratings — 1 and 2 Hr (See Item 1) T Ratings — 3/4, 1 and 1-1/2 Hr (See Item 2) W-L-5039



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 3-5/8 in. wide and spaced max 24 in. OC.
B. Gypsum Board* — Nom 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening in wallboard layers is 8-1/2 in.
The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly.
2. Metallic Pipe — Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe or Type L (or heavier) copper tube. One pipe to be installed either concentrically or eccentrically within the firestop system. Pipe to be rigidly supported on both sides of wall assembly.
3. Pipe Coverings+ — Nom 1/2 in. 2 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units for 1 hr rated assemblies, min 1/2 to 1-1/2 in. thick cylindrical heavy density (min 3.5 pcf) glass fiber units for 2 hr rated assemblies, jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied SSL tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space between the insulated pipe and the edge of the through opening shall be min zero in. (continuous contact) to max 1-1/4 in.
The hourly T Rating is 0 hr when pipe covering less than nom 1-1/2 in. thick is used. When 1-1/2 in. thick pipe covering is used, the hourly T Rating is 1 hr when installed in 1 hr rated walls. When 1-1/2 in. thick pipe covering is used in 2 hr rated wall, the T Rating is 1 hr when copper tube is used and 1-1/2 hr when steel pipe is used.
See Pipe and Equipment Covering — Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
4. Fill, Void or Cavity Materials+ — Caulk or Sealant — Min 5/8 in. thickness of caulk applied within annular space flush with each surface of wall. Min 1/2 in. diam bead of caulk shall be applied to the pipe insulation/wallboard interface at the point contact location on both sides of wall.
3M COMPANY — Type CP 25WB+ or FB-3000 WT



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Table with columns: DWG. TITLE (FIRE PENETRATION DETAIL), SCALE, PROJECT NO. (N.T.S), DATE (2023-33), SHEET NUMBER (07-07-2025), and DATE/REVISION (A-801)