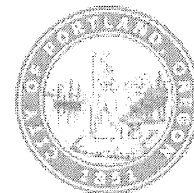


## Development Services

## From Concept to Construction

Phone: 503-823-7300 Email: [bds@portlandoregon.gov](mailto:bds@portlandoregon.gov) 1900 SW 4th Ave, Portland, OR 97201More Contact Info (<http://www.portlandoregon.gov/bds/article/519984>)

## APPEAL SUMMARY

**Status:** Decision Rendered**Appeal ID:** 15833**Project Address:** 817 SW 17th Ave**Hearing Date:** 9/13/17**Appellant Name:** Michelle Schulz**Case No.:** B-016**Appellant Phone:** 503-548-2379**Appeal Type:** Building**Plans Examiner/Inspector:** Kathy Aulwes**Project Type:** commercial**Stories:** 9 **Occupancy:** B, M, A **Construction Type:** 1-B**Building/Business Name:** Press Blocks - Half Block Office**Fire Sprinklers:** Yes - Throughout**Appeal Involves:** Erection of a new structure**LUR or Permit Application No.:** 17-182179-CO**Plan Submitted Option:** pdf [File 1] [File 2] [File 3]**Proposed use:** Office with ground level retail

[File 4] [File 5]

## APPEAL INFORMATION SHEET

## Appeal item 1

**Code Section** OSSC 403.3.2**Requires** Fire pumps for high rise buildings to be supplied by connections to two different water mains.**Proposed Design** Fire sprinkler and standpipe system is to be supplied by a single connection to the water main in SW Yamhill Street. The building will be provided with an onsite water storage tank, with automatic refilling via the fire service line. The fire service line will be capable of meeting the full system demand.**Reason for alternative** The onsite water storage tank for the fire sprinkler and standpipe system is sized to meet the most demanding sprinkler density and duration indicated in NFPA 13 Table 11.2.3.1.2 (60 minutes for Ordinary Hazard). The tank will be automatically refilled at a rate equal to or greater than the largest fire sprinkler or standpipe demand.

## Appeal item 2

**Code Section** 705.8.6.2**Requires** When a new building is to be erected adjacent to an existing building, all openings in the exterior wall of the new building are required to be not less than 3/4 hour when these openings are less than 15 feet vertically above the roof of the existing building or structure. The opening protections are required where the distance between the buildings or structures is less than 15 feet.**Proposed Design**

In lieu of the required 3/4-hour protection at the window openings on the north and south elevations at the 2nd, 3rd and 4th floors within 15 feet of the adjacent building, the openings are to be protected with sprinkler heads which are to be installed a minimum of 4 inches and a maximum of 24 inches from the openings and spaced at 6 feet on center or closer. Sprinklers are to be installed on the occupied side of the openings.

See EX-1 - Opening Protective Appeal for window locations.

---

**Reason for alternative** The building is Type 1B construction with non-combustible exterior finish materials and is fully sprinkled with a full NFPA 13 sprinkler system. Standard fire sprinkler heads can be designed and installed to provide an equivalent degree of protection at the window openings within 15 feet of the adjacent building. The windows provide daylight and views to occupants of the building, which support a healthy interior environment. The proposed design meets the intention of the code to provide fire protection between the new building and the existing adjacent building. All openings for the new building comply with Table 705.8 regarding allowable area relative to fire separation distance.

This proposed alternate has been approved by appeal for other comparable situations, specifically, Appeal ID 13298

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### Appeal item 3

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**Code Section** Section 1405.5

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**Requires** OSSC 1405.5.1 Requires exterior wood siding that is not Fire Retardant Treated on Type 1 construction to not extend beyond 40+ feet above grade.

---

**Proposed Design** The proposed design utilizes FSC certified 1x6 tropical hardwood (Cumaru) as exterior siding at one location on the 7th floor at an exterior terrace. The total area of wood is approximately 199 SF. The wood siding is mounted on fiberglass or galvanized steel Z- furring which is mounted on one layer of exterior gypsum sheathing (Densglass or equivalent) to form a rainscreen. Mineral wool takes up a 2" of a 2 ½" cavity behind the wood siding. The exterior wall assembly is non-combustible throughout.

The Cumaru has a Class A flame spread (flame spread 20/smoke developed 130).

The project is an eight story office building, type 1B construction and is fully sprinklered. The terrace will be fully sprinklered as well per NFPA 13.

Except for small areas of wood siding and soffits the building façade is composed of Architectural precast panel, metal panel, fiberglass windows on a metal stud wall.

Refer to attached exhibits:

Exhibit A (Wood Siding) - drawings

Exhibit B (wood Siding) – Lab Report (Cumaru Flame spread report)

---

**Reason for alternative** The wood is included at the 7th floor location for architectural design reasons and creates visual continuity with recessed wood siding located below on the ground level entry. Creating an architecturally significant element requested by the Design Commission in our Design Review process.

We contend that due to the metal framing, one layer of exterior gypsum sheathing, fiberglass furring, mineral wool insulation and extremely low flame spread rating of the Cumaru hardwood siding material the assembly meets requirements for non-combustible construction.

We believe that on a Type 1B building Cumaru, as a Class A material on a noncombustible wall assembly, meets risk mitigation intended by the code and provides an equivalent level of protection.

We respectfully request this appeal be granted.

---

## Appeal item 4

**Code Section** OSSC Section 603

---

**Requires** Types I and II Construction are those types of construction in which the building elements listed in Table 601 are of not combustible materials except as listed in Section 603 of this code.

603.1 Allowable materials.

Combustible materials shall be permitted in buildings of Type I or II construction in the following applications and in accordance with Sections 603.1.1 through 603.1.3:

- 4. Roof coverings that have an A, B or C classification.
- 13. Combustible exterior wall coverings, balconies and similar projections and bay or oriel windows in accordance with Chapter 14.

1403.5 Vertical and lateral flame propagation.

Exterior walls on buildings of Type I, II, III or IV construction that are greater than 40 feet (12 192 mm) in height above grade plane and contain a combustible water-resistive barrier shall be tested in accordance with and comply with the acceptance criteria of NFPA 285. For the purpose of this section, fenestration products and flashing of fenestrations shall not be considered part of the water resistive barrier.

---

**Proposed Design** The proposed building design is an 8 –story plus penthouse Type I office building with retail at the ground level and one level of Type I parking below, and half a floor of basement below that. All levels will have full sprinkler coverage per Chapter 9.

Overhangs located at the ground level and Level 07 are designed using a tropical hardwood material, Cumaru, attached to a non-combustible supporting steel frame which is in turn attached to concrete structural slab.

Tropical hardwoods are known for their resistance to attack by both fungi and insects, as well as hold a Class A fire rating—the same rating given to concrete and steel. All of these tropical hardwoods have a flame spread index of not more than 25.

Additionally the area under the overhang will have full sprinkler coverage.

Exhibits:

Exhibit A (Wood Soffit) - Cumaru lab report

Exhibit B (Wood Soffit) - RCPs\_submit

---

**Reason for alternative** The applied tropical hardwood finish provides a softer/warmer, more appealing aesthetic for the occupants while maintaining fire resistive properties. Additionally it offers a contrast to the precast concrete and metal panel. Both requested aspects by the Design Commission during our Design Review process.

The primary framing which holds the canopy in place is concrete and the furring is light gauge steel and is non-combustible, so the structural assembly meets the criteria set forth in the OSSC. And the tropical hardwood holds a Class A fire rating and has a flame spread index of not more than 25.

We respectfully request this appeal be granted.

## APPEAL DECISION

**1. Single connection to water main with onsite water supply tank in lieu of connection to 2 water mains: Granted as proposed.**

**Note: The proposed capacity of the secondary on-site water supply is subject to review under the building permit submittal. Appellant may contact AJ Jackson (503-823-3820) with questions.**

**2. Sprinkler protection at openings in buildings with vertical exposure on separate lots: Granted provided windows are non-operable and sprinklers are installed a minimum of 4 inches and a maximum of 24 inches from the opening(s) spaced at 6 feet on center. Sprinklers are to be installed on the occupied side of the openings and shall be capable of wetting the entire surface. A separate permit from the Fire Marshal's Office is required.**

**3. Cumaru tropical wood Class A cladding at exterior 7th floor amenity space: Granted provided open flame devices are located with a minimum of ten feet separation from the wood cladding.**

**4. Cumaru tropical wood Class A wood soffit at ground floor and exterior 7th floor amenity space: Granted provided open flame devices are located with a minimum of ten feet separation from the wood soffit.**

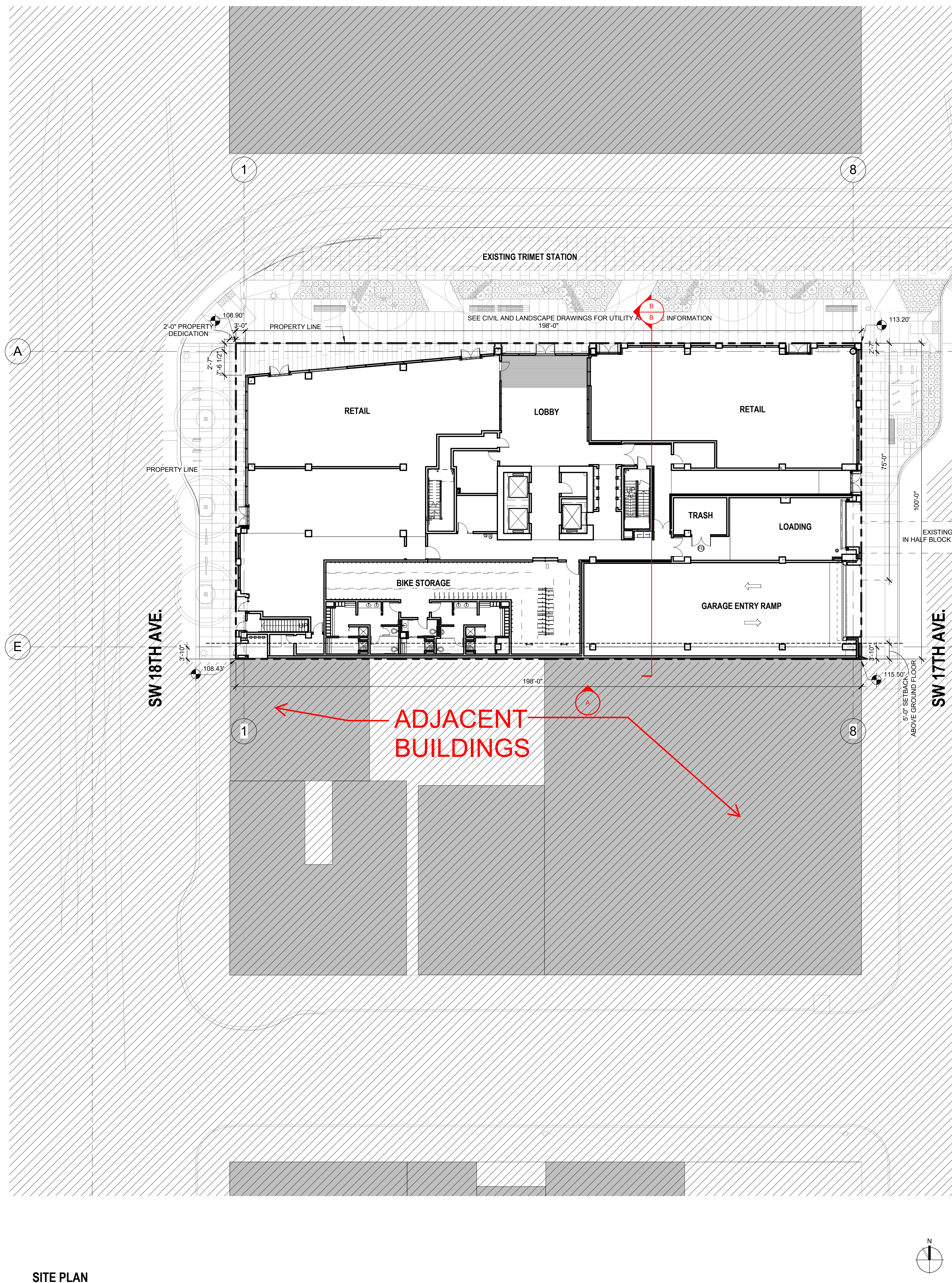
**Items 2, 3, 4: Appellant may contact John Butler (503-823-7339) with questions.**

The Administrative Appeal Board finds that the information submitted by the appellant demonstrates that the approved modifications or alternate methods are consistent with the intent of the code; do not lessen health, safety, accessibility, life, fire safety or structural requirements; and that special conditions unique to this project make strict application of those code sections impractical.

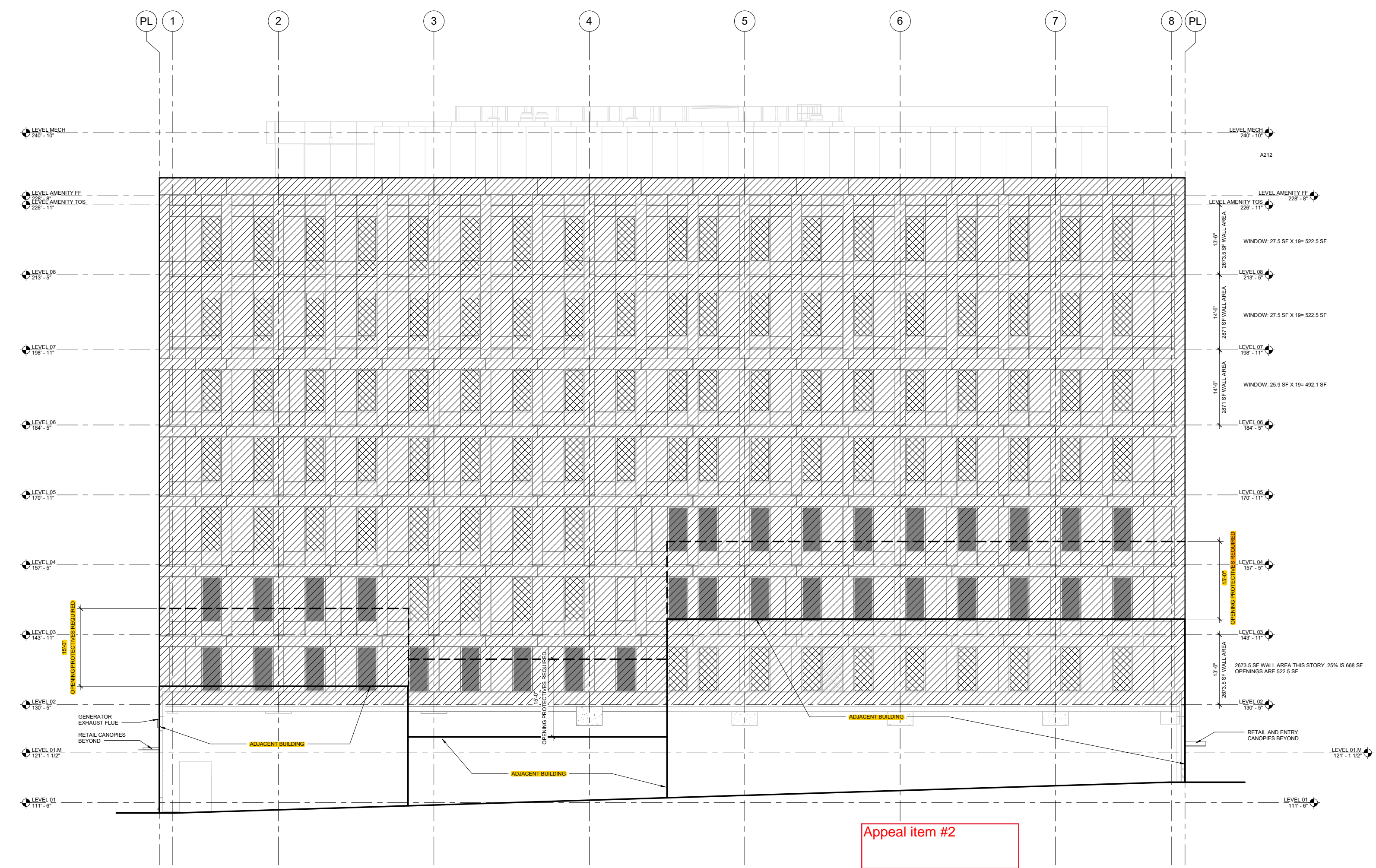
Pursuant to City Code Chapter 24.10, you may appeal this decision to the Building Code Board of Appeal within 180 calendar days of the date this decision is published. For information on the appeals process and costs, including forms, appeal fee, payment methods and fee waivers, go to [www.portlandoregon.gov/bds/appealsinfo](http://www.portlandoregon.gov/bds/appealsinfo), call (503) 823-7300 or come in to the Development Services Center.



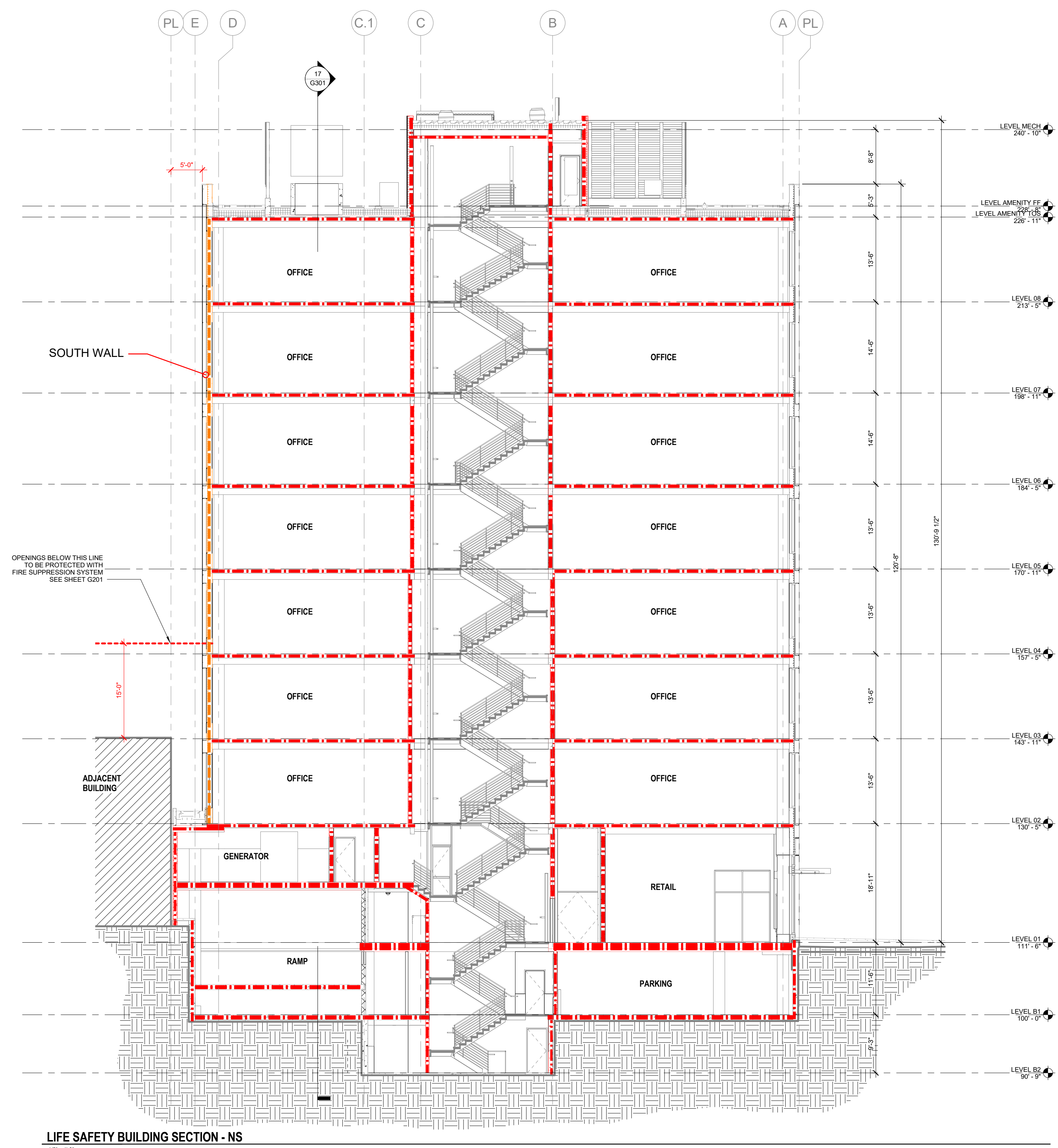
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6/6/2017 12:27:51 PM



SITE PLAN  
1/16" = 1'-0"



A - SOUTH ELEVATION - NOT TO SCALE



B - NORTH-SOUTH SECTION - NOT TO SCALE

1-HOUR FIRE RATED  
2-HOUR FIRE RATED

Opening Protectives  
Appeal

GBD

GBD Architects, Incorporated  
1120 NW Couch St.  
Ste. 300  
Portland, OR 97209  
Tel (503) 224-9656  
gbdarchitects.com  
GBD © 2017

STAMP

PROJECT  
PRESS BLOCKS -  
HALF BLOCK OFFICE  
517 SW 17TH AVE  
PORTLAND, OR 97205

CLIENT  
THE PRESS BLOCK  
COLLABORATIVE  
(OFFICE) LLC  
1211 SW 5TH AVE, STE 2230  
PORTLAND, OR 97205

DOCUMENT ORIGINAL SIZE:  
34" X 44"

REVISIONS

DATE

PROJECT NUMBER  
2016042

SCALE  
1/16" = 1'-0"

SHEET TITLE  
SITE PLAN

EX-1



EXTERIOR MATERIAL LEGEND

	CWS	07 4623	CUMARU WOOD SIDING
	PCS-1	03 4100	PRECAST CONCRETE PANEL TYPE 1
	PCS-2	03 4100	PRECAST CONCRETE PANEL TYPE 2
	MP	07 4213	METAL PANEL
	MS	05 5000	MECHANICAL SCREEN
	CIG/ CSIG	08 8000	CLEAR GLAZING
	TISG	08 8000	TRANSLUCENT GLAZING
	ML	08 9100	METAL LOUVER - BLACK
	CMU	08 2200	CONCRETE MASONRY UNITS



WOOD CLADDING AT  
METAL FRAME

SEE SHEET A422

87'-5"

EXHIBIT A-1

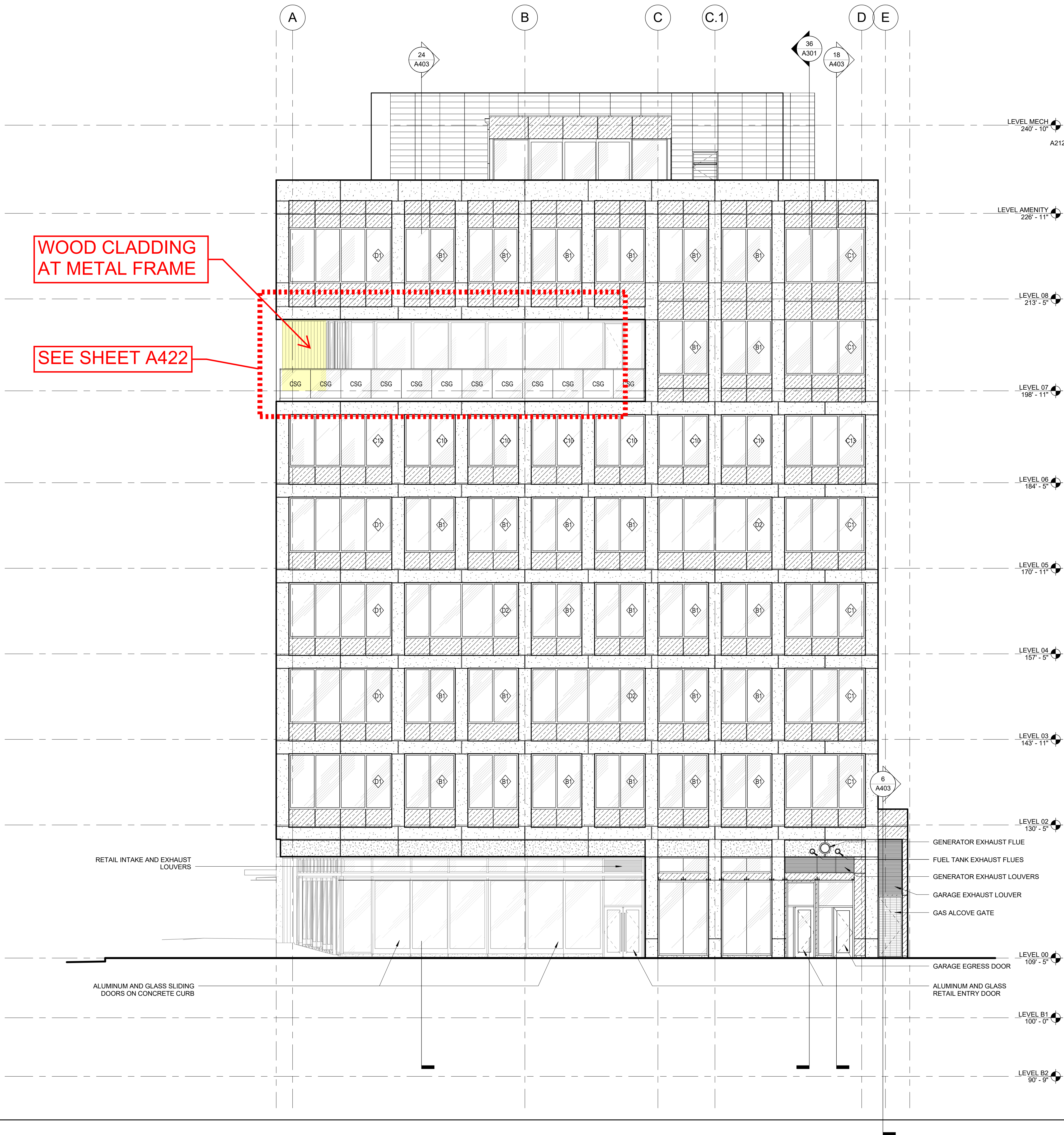
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Wood Siding Appeal



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36 EE - West  
1/8" = 1'-0"



### EXTERIOR MATERIAL LEGEND

	CWS	07 4623	CUMARU WOOD SIDING
	PCS-1	03 4100	PRECAST CONCRETE PANEL TYPE 1
	PCS-2	03 4100	PRECAST CONCRETE PANEL TYPE 2
	MP	07 4213	METAL PANEL
	MS	05 5000	MECHANICAL SCREEN
	CIG/ CISG	08 8000	CLEAR GLAZING
	TISG	08 8000	TRANSLUCENT GLAZING
	ML	08 9100	METAL LOUVER - BLACK
	CMU	08 2200	CONCRETE MASONRY UNITS

GBD

GBD Architects, Incorporated  
1120 NW Couch St.  
Ste. 300  
Portland, OR 97209  
Tel. (503) 224-9656  
gbdarchitects.com  
GBD © 2017

STAMP

PROJECT  
PRESS BLOCKS -  
HALF BLOCK OFFICE  
517 SW 17TH AVE  
PORTLAND, OR 97205

CLIENT  
URBAN  
RENAISSANCE  
GROUP LLC  
1211 SW 5TH AVE, STE 2230  
PORTLAND, OR 97205

SECURITY  
PROPERTIES  
701 5TH AVE, STE 5700  
SEATTLE, WA 98104

Notice of Extended Payment  
Provision: The contract will  
allow the owner to make  
payment within 20 days after the  
date a billing or estimate is  
submitted. Notice of Alternate  
Billing Cycle: The contract will  
allow the owner to require the  
submission of billings or  
estimates in billing cycles other  
than 30-day cycles. Billings or  
estimates for the contract shall  
be submitted as follows: Each  
calendar month ending on the  
last day of the applicable month.

REVISIONS

DATE

PROJECT NUMBER  
2016042

SCALE  
1/8" = 1'-0"

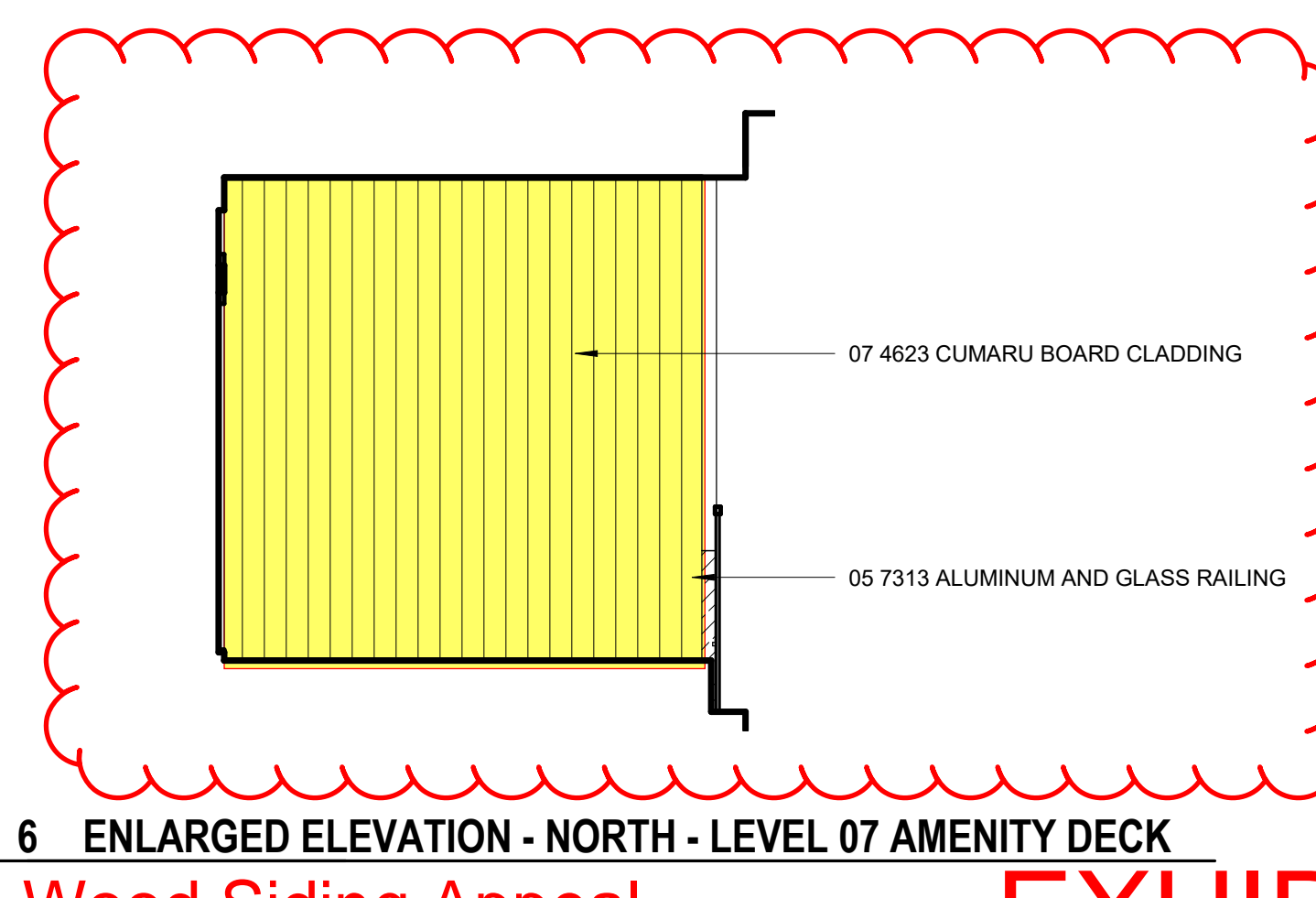
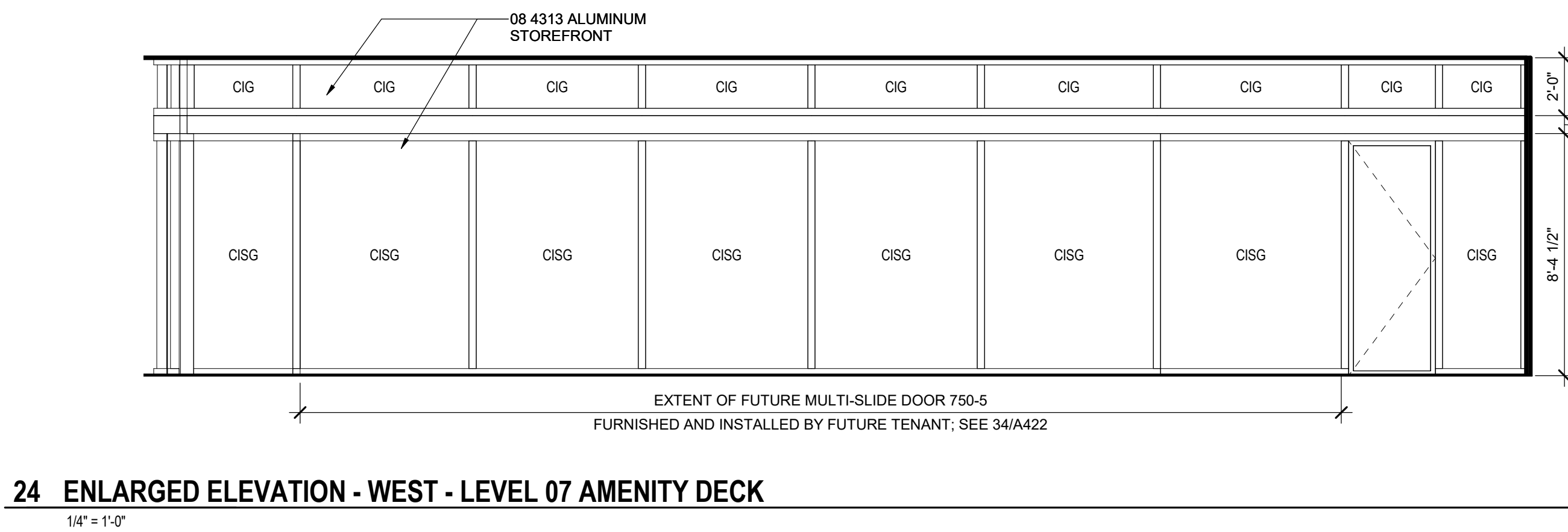
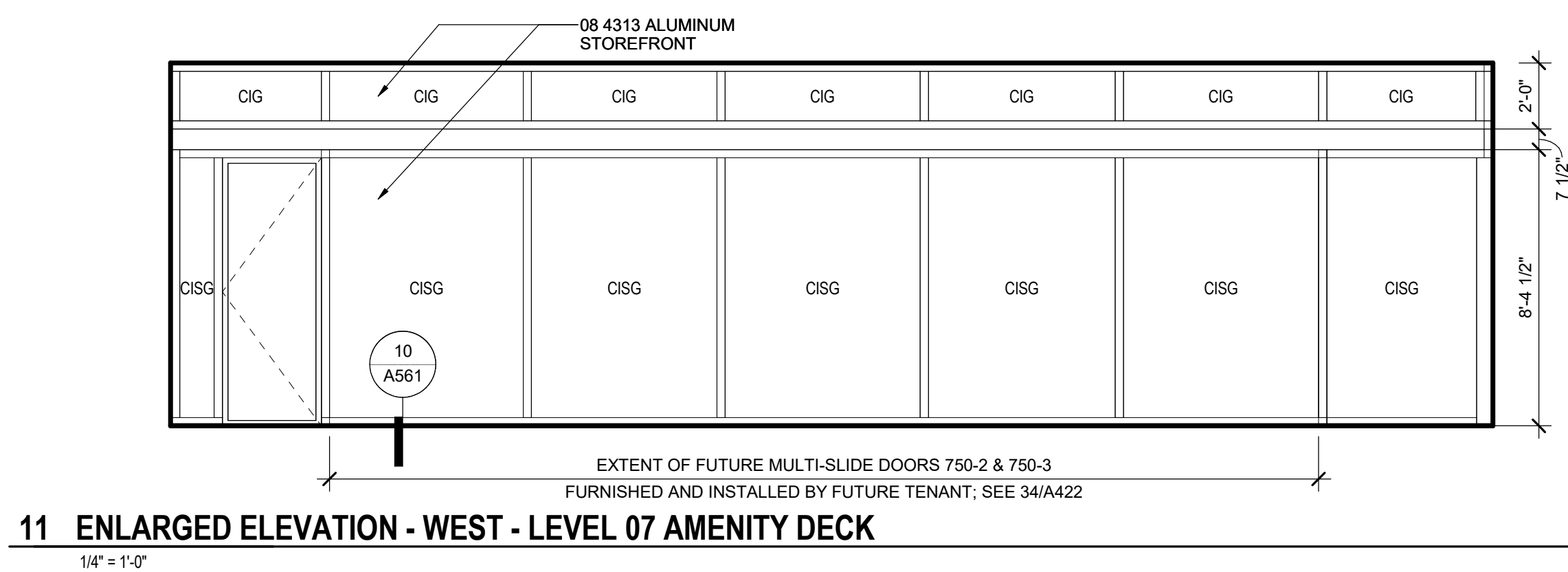
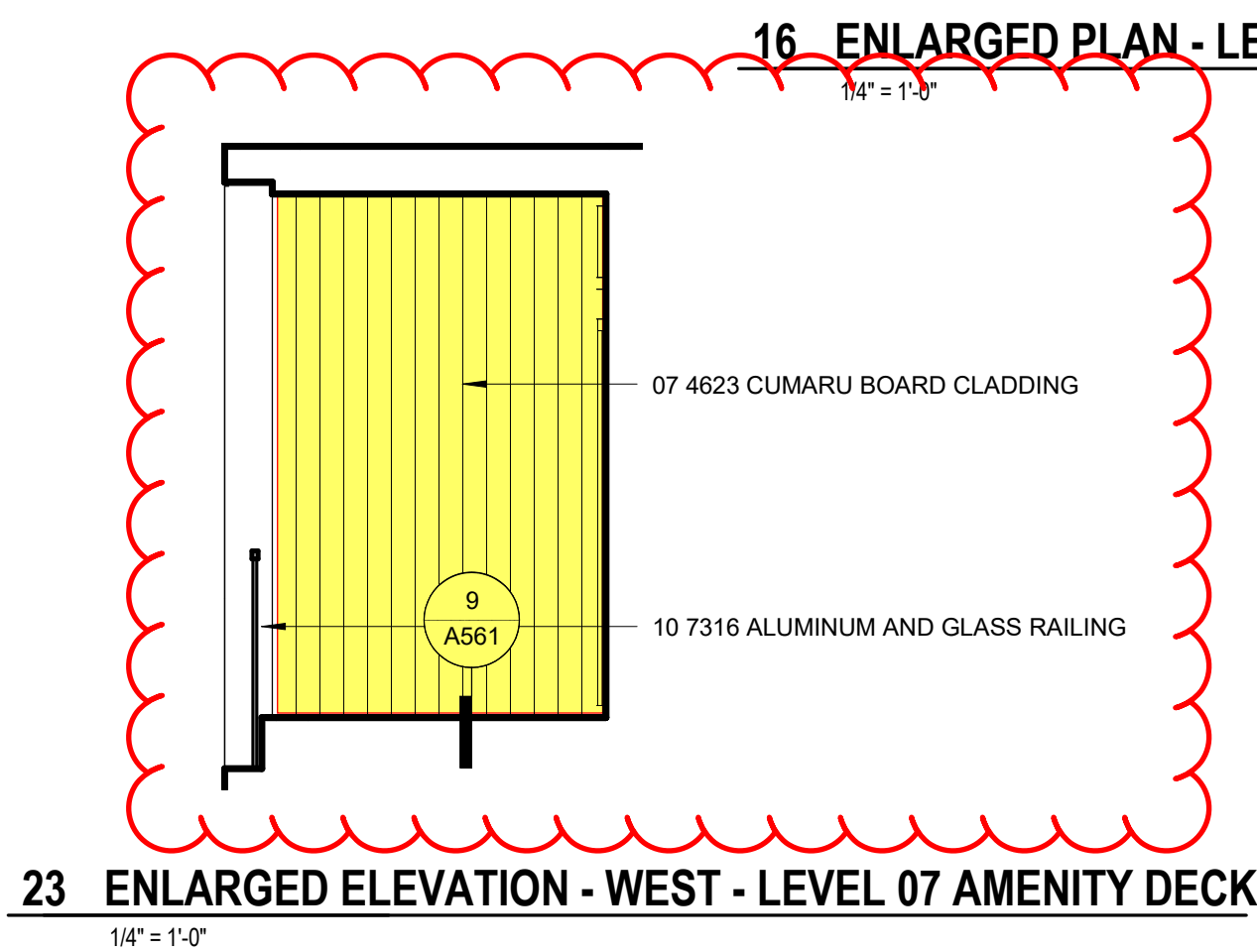
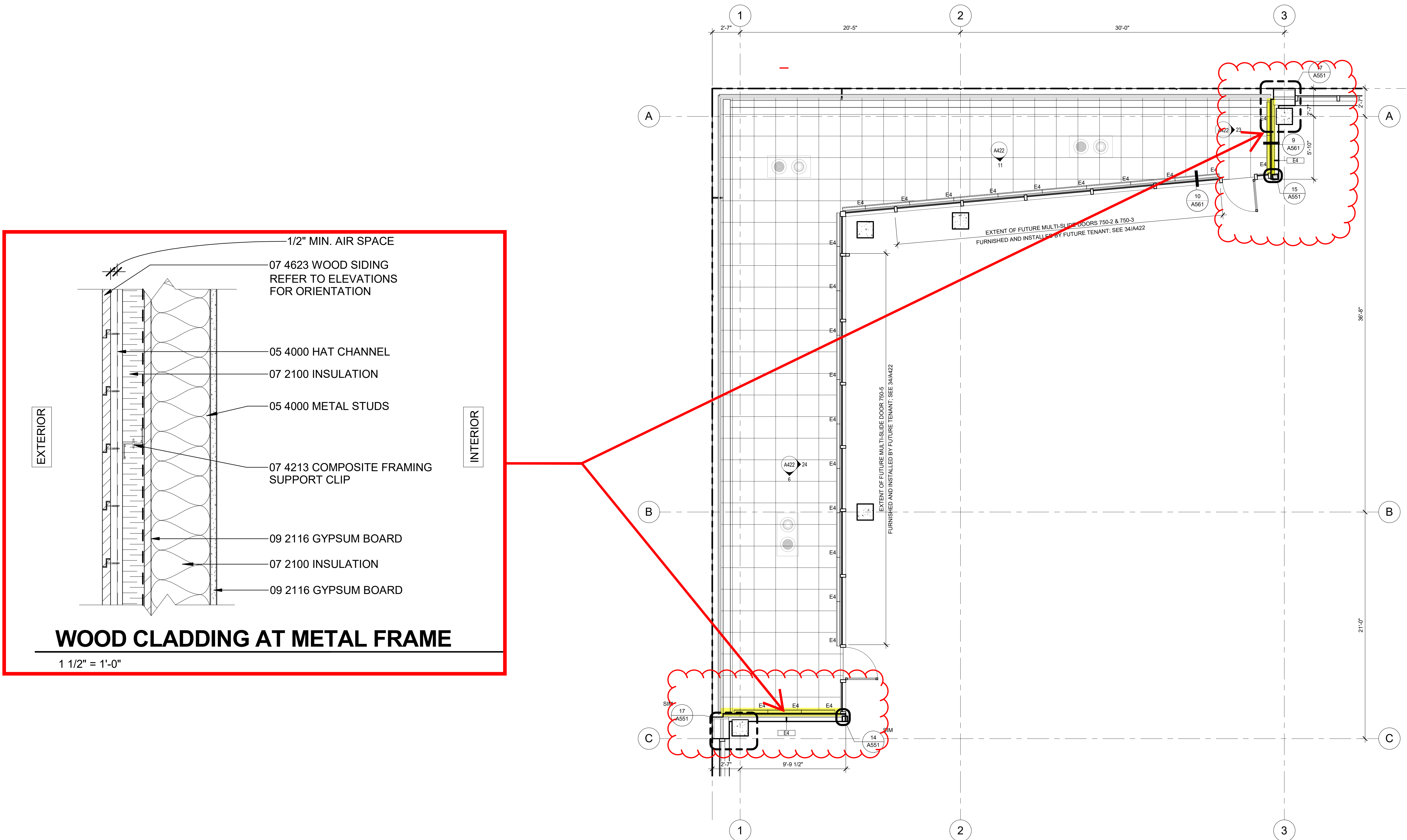
SHEET TITLE  
ELEVATION - WEST

EXHIBIT A-2

A204

Wood Siding Appeal







**CLIENT: MATAVERDE HARDWOOD DECKING & SIDING**

531 Broad Street  
New London, CT 06320  
Perry Alibrio

## EXHIBIT B Wood Siding

**Test Report No: RJ2432-2**

**Date: April 18, 2013**

**SAMPLE ID:** Test samples were identified as Cumaru.

**SAMPLING DETAIL:** Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

**DATE OF RECEIPT:** Samples were received at QAI on March 28, 2013.

**TESTING PERIOD:** April 17, 2013.

**AUTHORIZATION:** Testing authorized by Perry Alibrio.

**TEST REQUESTED:** Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-10, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

**TEST RESULTS:** **Flame Spread**

20

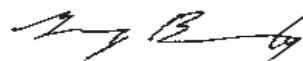
**Smoke Developed**

130

Detailed test results are presented in the subsequent pages of this report

**CONCLUSION:** The submitted material meets the requirements for a "Class A" Flame Spread. See classification requirements on page 2.

**Signed for and on behalf of  
QAI Laboratories, Inc.**



Greg Banasky  
Senior Technician



# Wood Siding

**PREPARATION AND CONDITIONING:** The sample material was submitted in pieces, 5 1/2" wide by 96" long. Four of the pieces were placed side by side and battened together to form specimens, 22" by 96" long, conforming to test chamber dimensions. Three of these pieces were used for the test. The sample was supported during testing with 1/4" round metal rods placed at two foot intervals across the width of the test chamber

## E 84 TEST DATA SHEET:

**CLIENT:** MATAVERDE HARDWOOD DECKING & SIDING

**DATE:** 04/17/13

**SAMPLE:** Cumaru

### FLAME SPREAD:

**IGNITION:** 1 minute, 8 seconds

**FLAME FRONT:** 6 feet maximum

**TIME TO MAXIMUM SPREAD:** 6 minutes, 35 seconds

**TEST DURATION:** 10 minutes

**CALCULATION:**  $39.29 \times 0.515 = 20.24$

**SUMMARY: FLAME SPREAD:** 20

**SMOKE DEVELOPED:** 130

In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

<u>NFPA CLASS</u>	<u>IBC CLASS</u>	<u>FLAME SPREAD</u>	<u>SMOKE DEVELOPED</u>
A	A	0 through 25	Less than or equal to 450
B	B	26 through 75	Less than or equal to 450
C	C	76 through 200	Less than or equal to 450

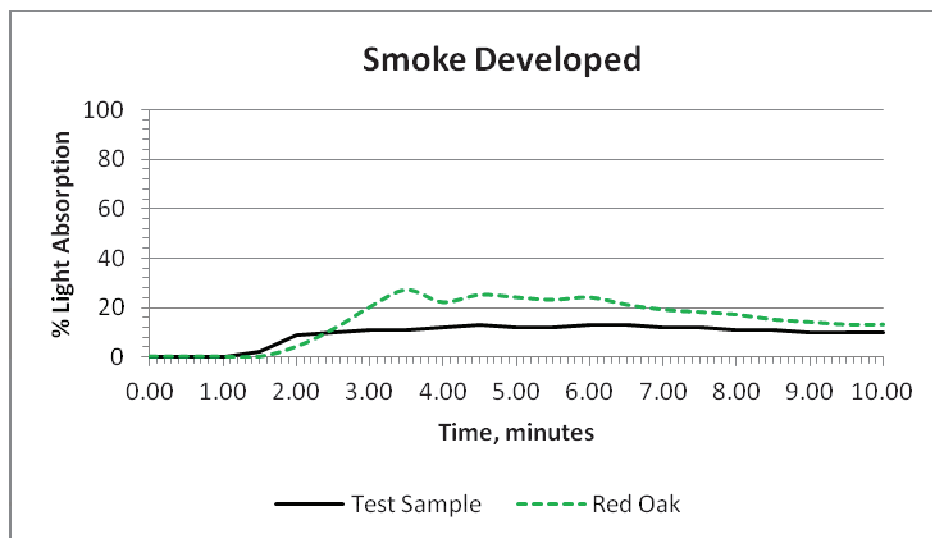
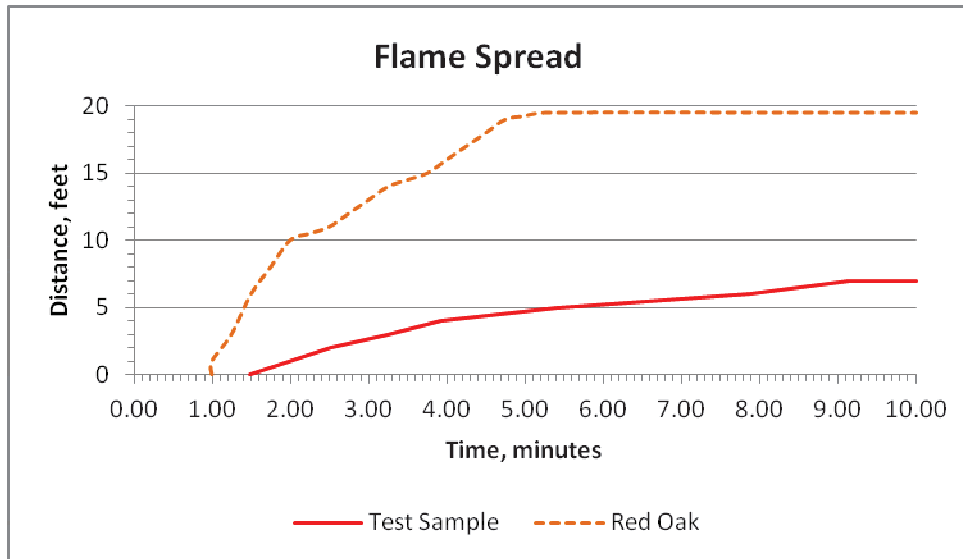
### BUILDING CODES CITED:

1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 2006 Edition.
2. International Building Code, 2006 Edition, Chapter 8, Interior Finishes, Section 803.





# Wood Siding



CLIENT: MATAVERDE HARDWOOD DECKING & SIDING

531 Broad Street  
New London, CT 06320  
Perry Alibrio

## EXHIBIT A Wood Soffiting

Test Report No: RJ2432-2

Date: April 18, 2013

**SAMPLE ID:** Test samples were identified as Cumaru.

**SAMPLING DETAIL:** Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

**DATE OF RECEIPT:** Samples were received at QAI on March 28, 2013.

**TESTING PERIOD:** April 17, 2013.

**AUTHORIZATION:** Testing authorized by Perry Alibrio.

**TEST REQUESTED:** Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-10, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

**TEST RESULTS:** Flame Spread

20

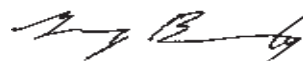
Smoke Developed

130

Detailed test results are presented in the subsequent pages of this report

**CONCLUSION:** The submitted material meets the requirements for a "Class A" Flame Spread. See classification requirements on page 2.

Signed for and on behalf of  
QAI Laboratories, Inc.



Greg Banasky  
Senior Technician





# Wood Soffiting

**PREPARATION AND CONDITIONING:** The sample material was submitted in pieces, 5 1/2" wide by 96" long. Four of the pieces were placed side by side and battened together to form specimens, 22" by 96" long, conforming to test chamber dimensions. Three of these pieces were used for the test. The sample was supported during testing with 1/4" round metal rods placed at two foot intervals across the width of the test chamber

## E 84 TEST DATA SHEET:

**CLIENT:** MATAVERDE HARDWOOD DECKING & SIDING

**DATE:** 04/17/13

**SAMPLE:** Cumaru

### FLAME SPREAD:

**IGNITION:** 1 minute, 8 seconds

**FLAME FRONT:** 6 feet maximum

**TIME TO MAXIMUM SPREAD:** 6 minutes, 35 seconds

**TEST DURATION:** 10 minutes

**CALCULATION:**  $39.29 \times 0.515 = 20.24$

**SUMMARY: FLAME SPREAD:** 20

**SMOKE DEVELOPED:** 130

In order to obtain the Flame Spread Classification, the above results should be compared to the following table:

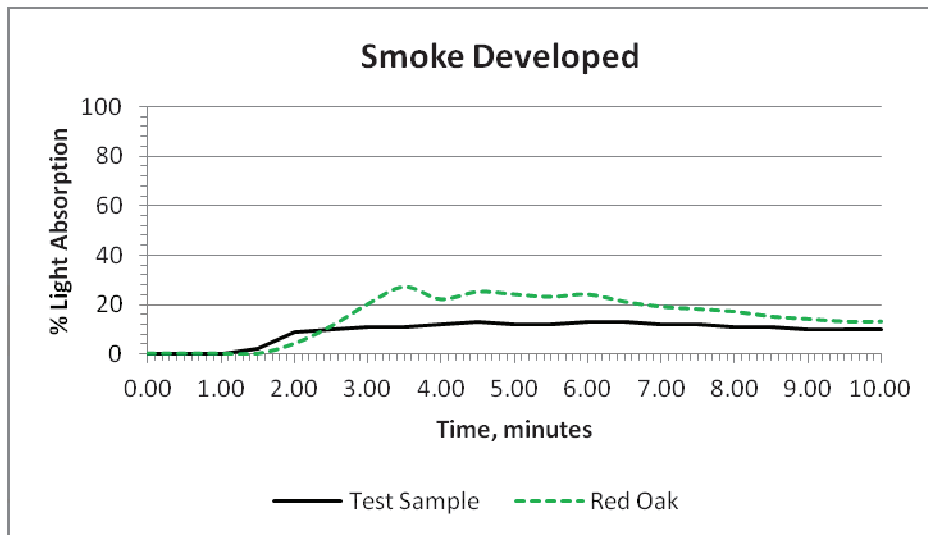
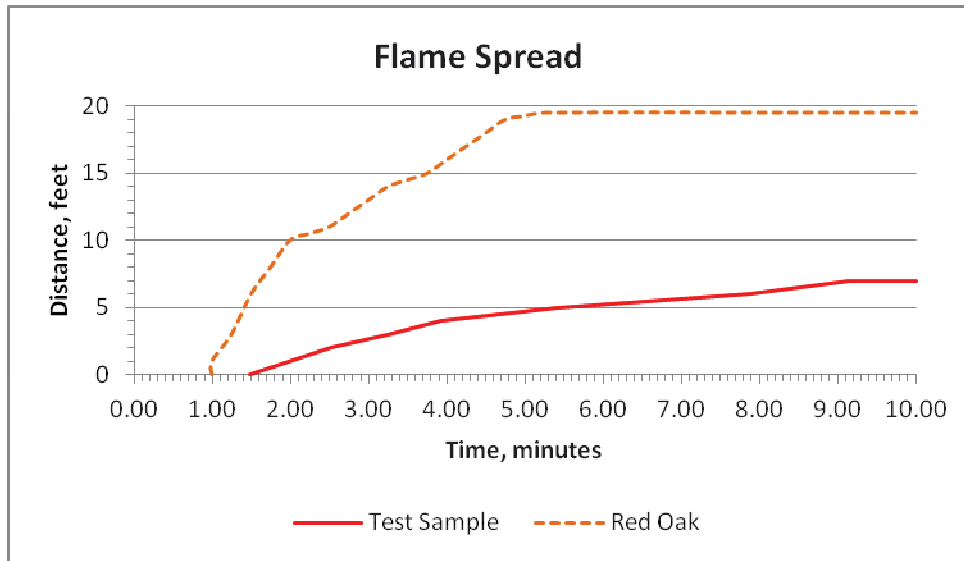
<u>NFPA CLASS</u>	<u>IBC CLASS</u>	<u>FLAME SPREAD</u>	<u>SMOKE DEVELOPED</u>
A	A	0 through 25	Less than or equal to 450
B	B	26 through 75	Less than or equal to 450
C	C	76 through 200	Less than or equal to 450

### BUILDING CODES CITED:

1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 2006 Edition.
2. International Building Code, 2006 Edition, Chapter 8, Interior Finishes, Section 803.



# Wood Soffiting





SHEET NOTES

AXONOMETRIC VIEWS FOR REFERENCE ONLY

GBD

GBD Architects, Incorporated  
1120 NW Couch St.  
Ste. 300  
Portland, OR 97209  
Tel: (503) 224-9656  
gbdarchitects.com  
GBD © 2017

STAMP

PROJECT  
PRESS BLOCKS -  
HALF BLOCK OFFICE  
817 SW 17TH AVE.  
PORTLAND, OR 97205

CLIENT  
THE PRESS BLOCK  
COLLABORATIVE  
(OFFICE) LLC  
1211 SW 5TH AVE, STE 2230  
PORTLAND, OR 97205

DOCUMENT ORIGINAL SIZE:  
34" X 44"

Notice of Extended Payment  
Provision: The contract will  
allow the owner to make  
payment within 20 days after the  
date a billing or estimate is  
submitted. Notice of Alternate  
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allow the owner to require the  
submission of billings or  
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estimates for the contract shall  
be submitted as follows: Each  
calendar month ending on the  
last day of the applicable month.

REVISIONS

DATE  
SEPTEMBER 1, 2017

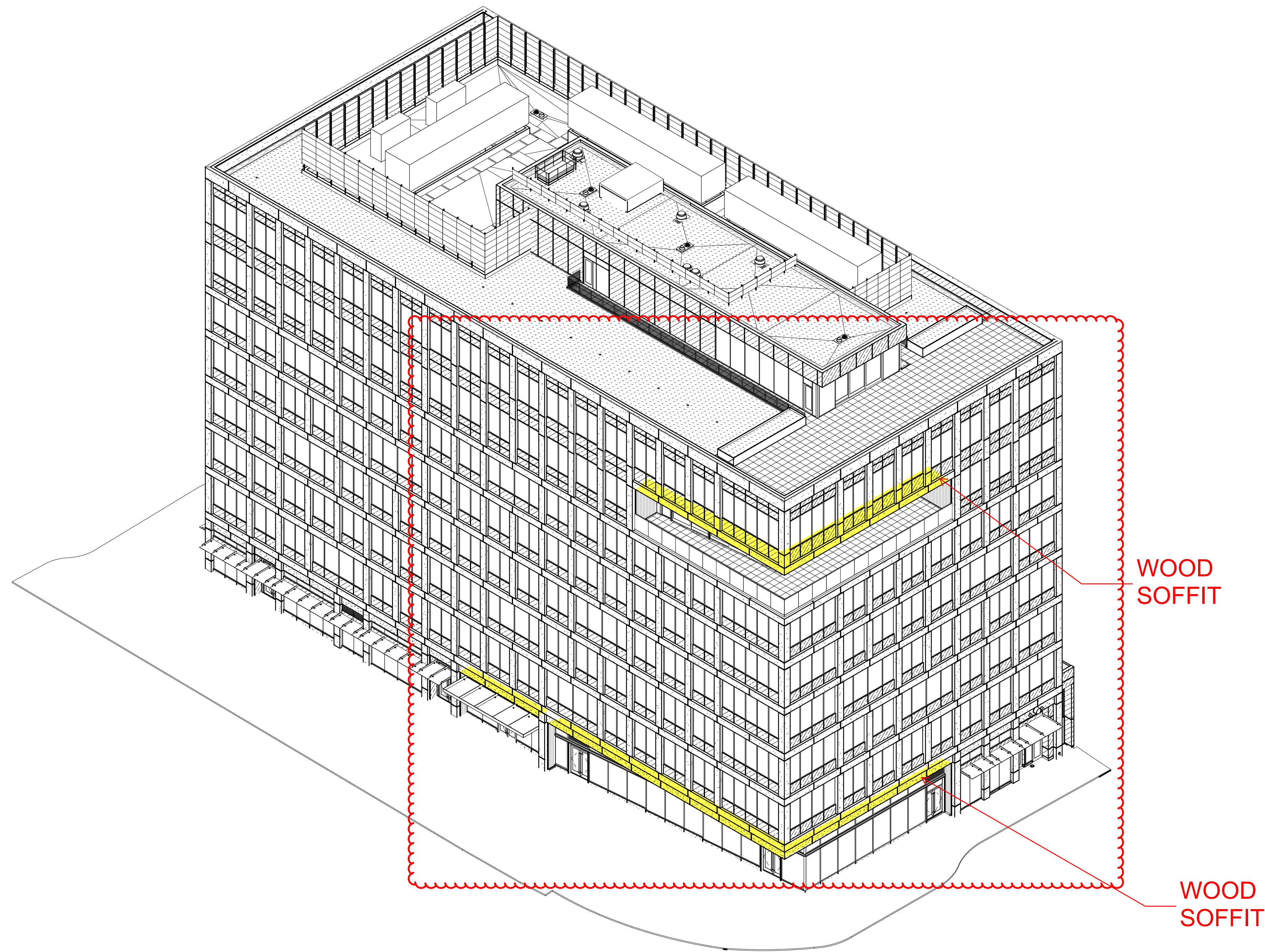
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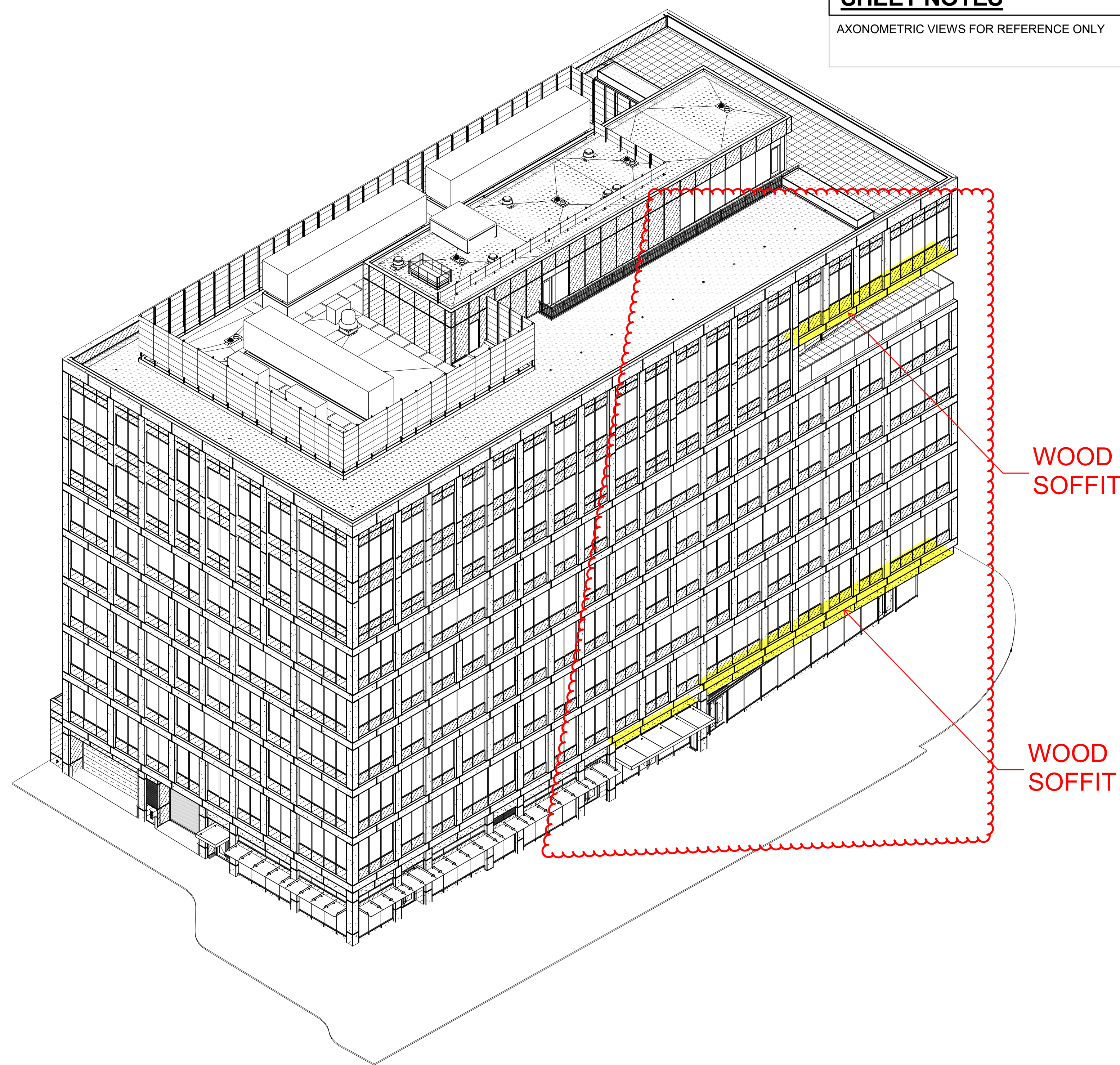
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AXONOMETRIC  
ELEVATIONS

A200

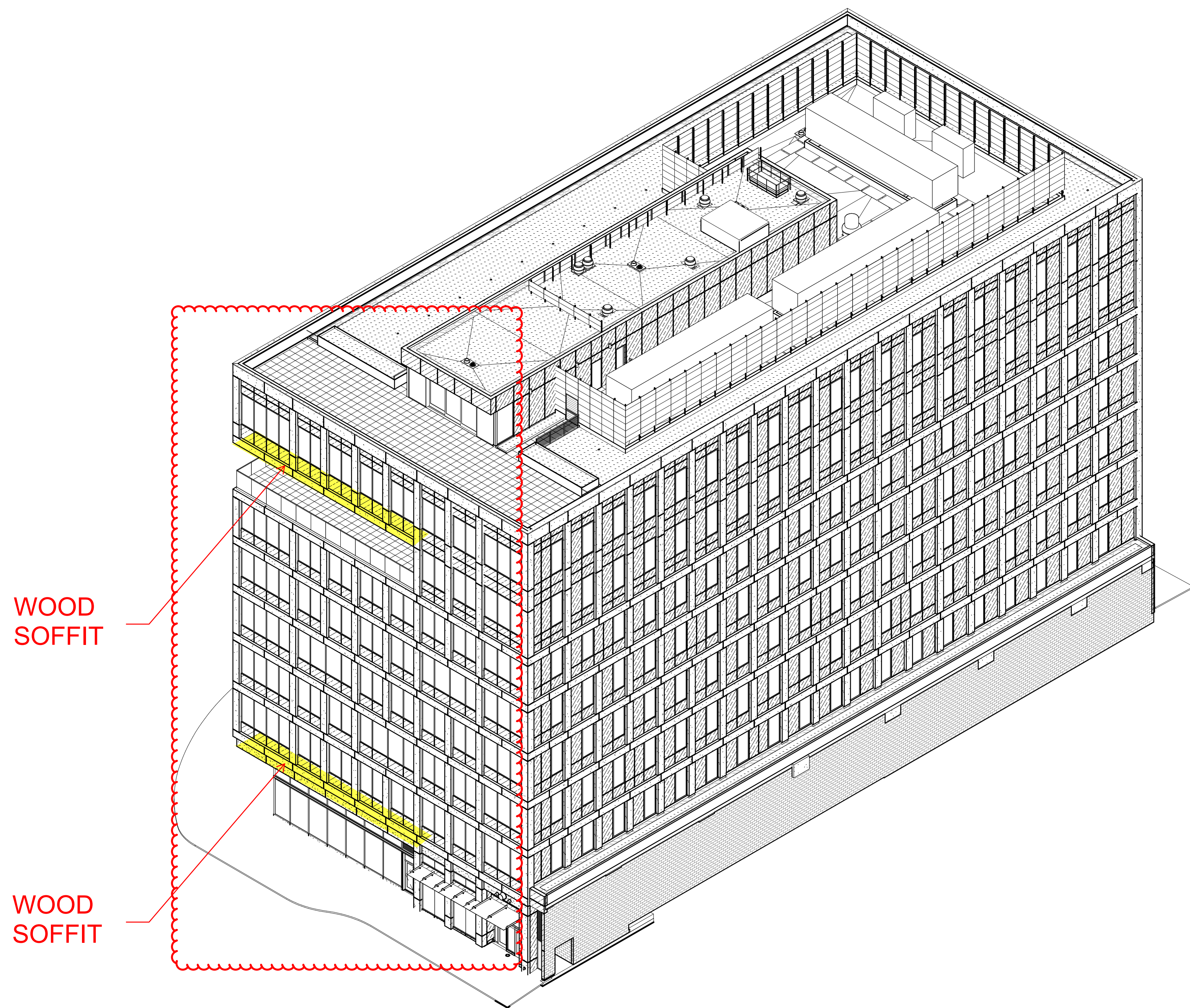
95% CONSTRUCTION DOCUMENTS



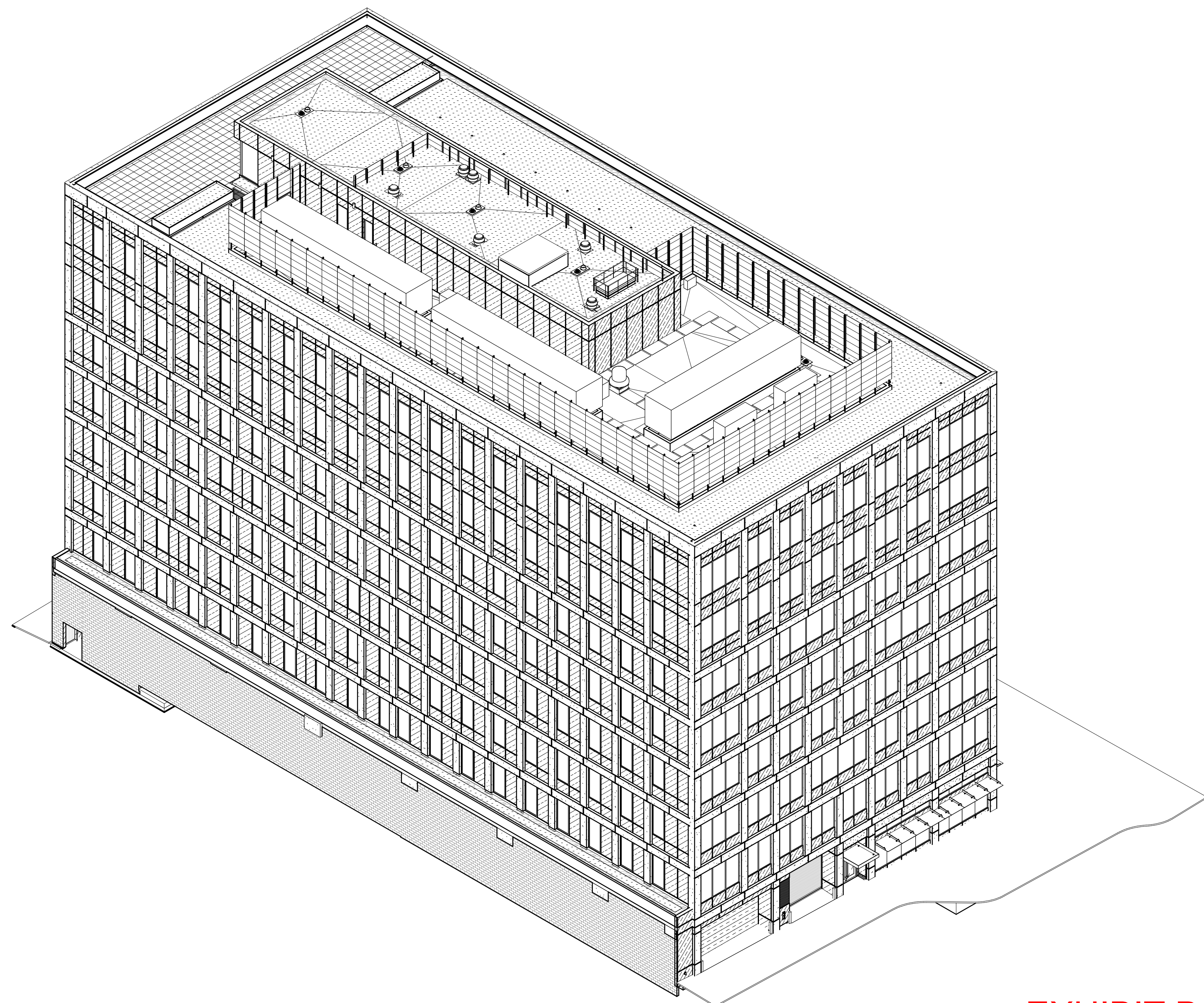
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15 AXON - NE



36 AXON - SW



18 AXON - SE

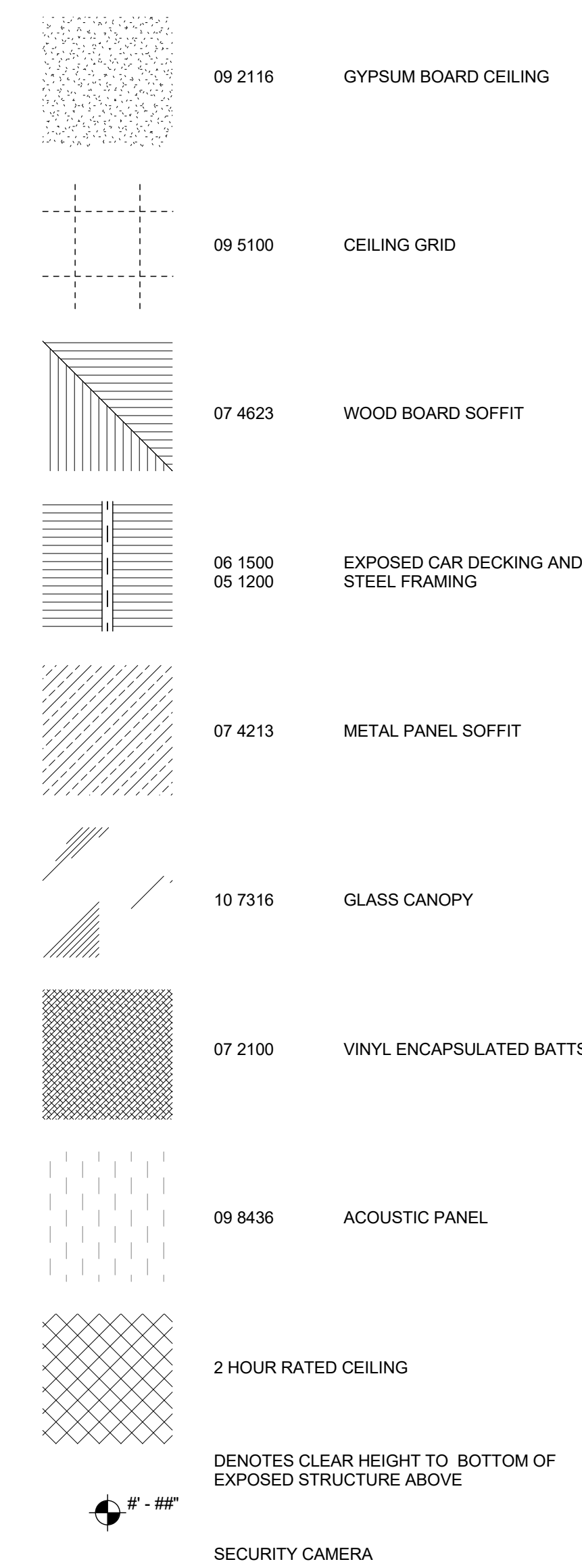
EXHIBIT B

Wood Soffiting



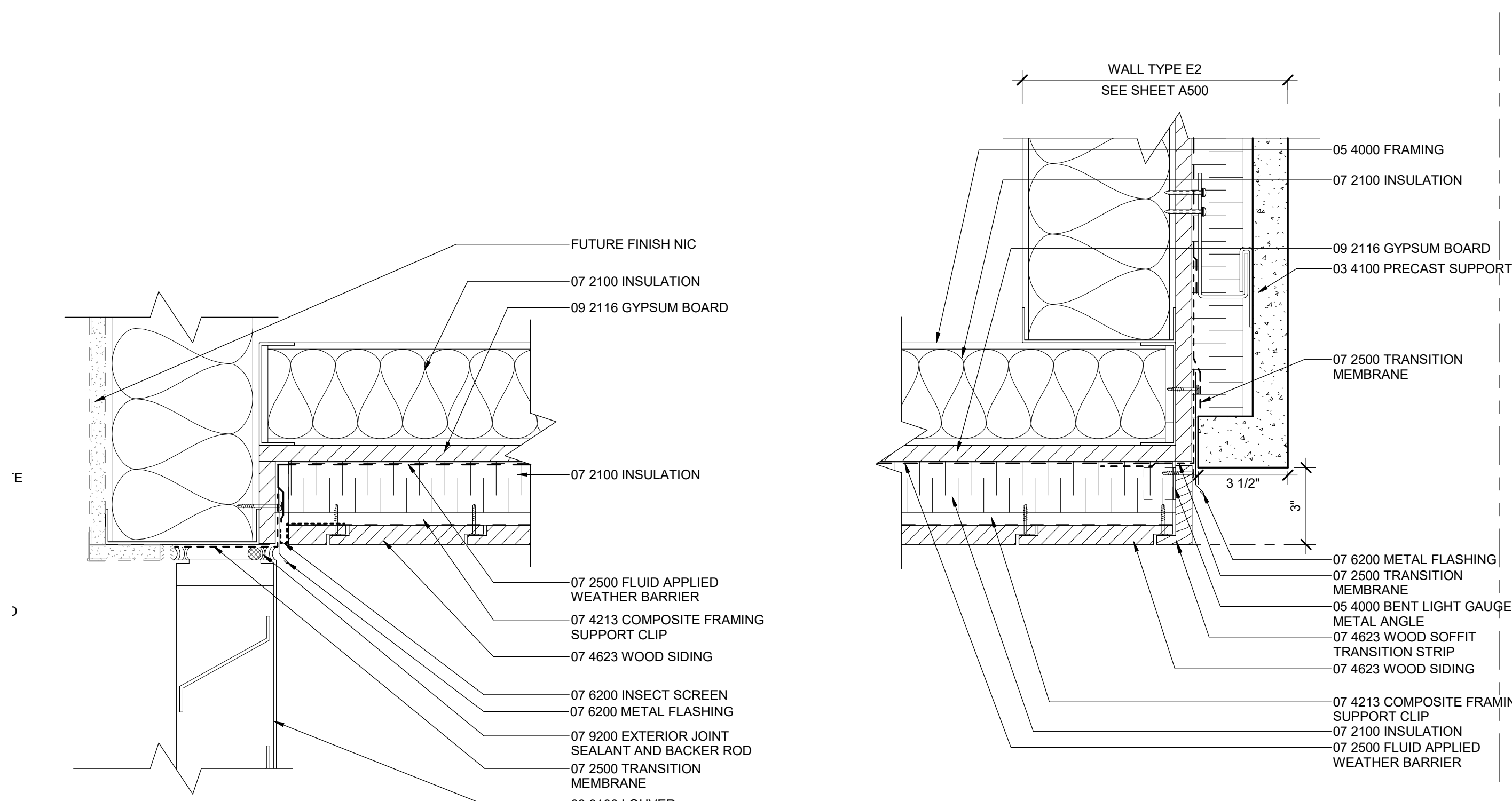
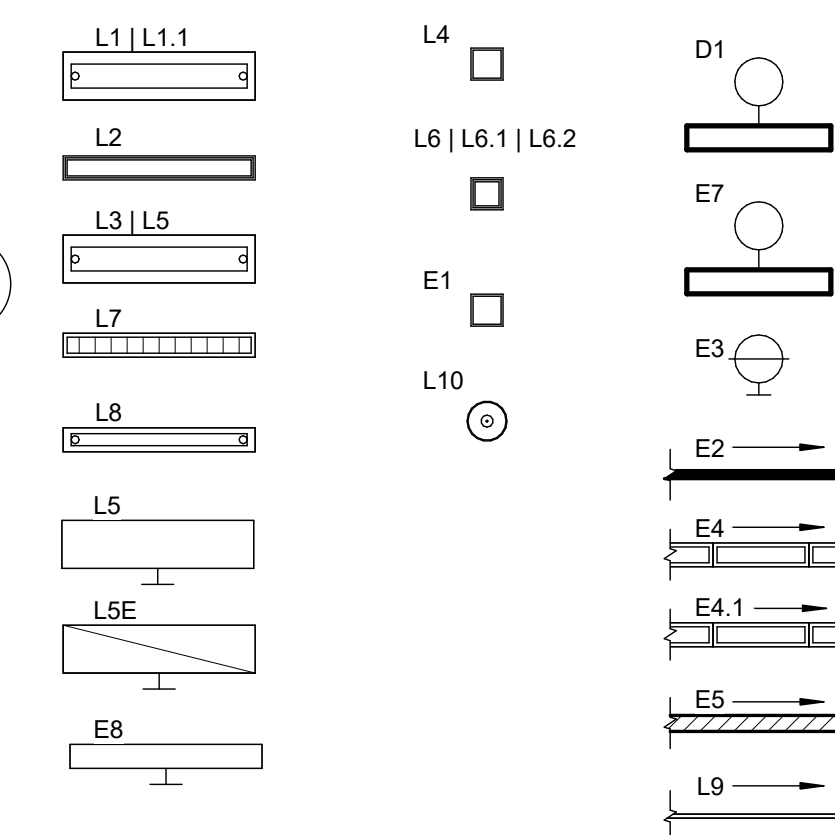
REFLECTED CEILING PLAN LEGEND

- NOTES:  
1. ABSENCE OF SURFACE PATTERN REPRESENTS EXPOSED CONCRETE SLAB  
2. MEPP SYSTEMS AND RUNS TO BE COORDINATED AT EXPOSED CONCRETE SLAB CONDITIONS FOR CLEAN & ORDERED APPEARANCE  
3. REFER TO FLOOR PLANS FOR IN-GROUND LIGHT FIXTURES



LIGHTING LEGEND

NOTE: REFER TO LIGHTING SCHEDULE IN SPEC SECTION 26 0000 FOR FURTHER INFORMATION ON FIXTURES



30 EXTERIOR SECTION DETAIL

EXTERIOR SECTION DETAIL

AREA OF WOOD SOFFIT



36 RCP - LEVEL 01

1/8" = 1'-0"

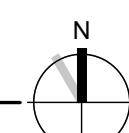


EXHIBIT B  
Wood Soffiting

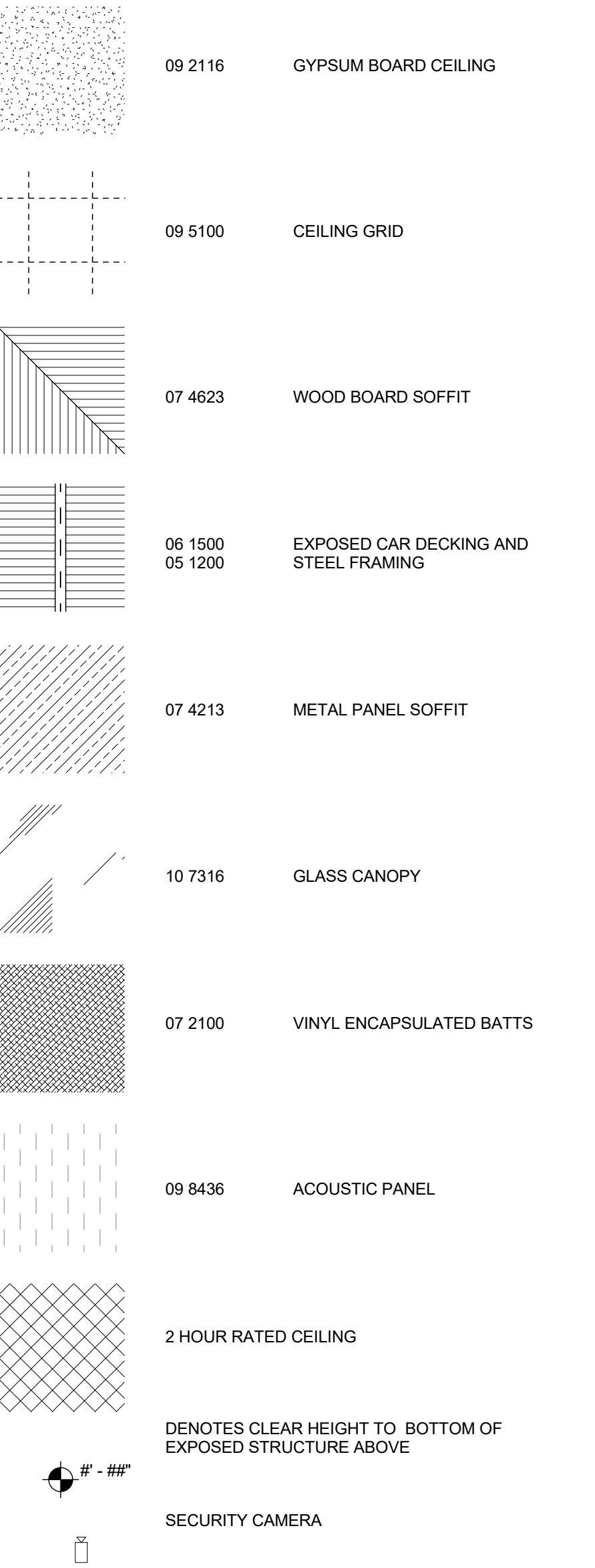
REVISIONS  
DATE  
PROJECT NUMBER  
20166042  
SCALE  
As indicated  
SHEET TITLE  
REFLECTED CEILING  
PLAN - LEVEL 01

A701

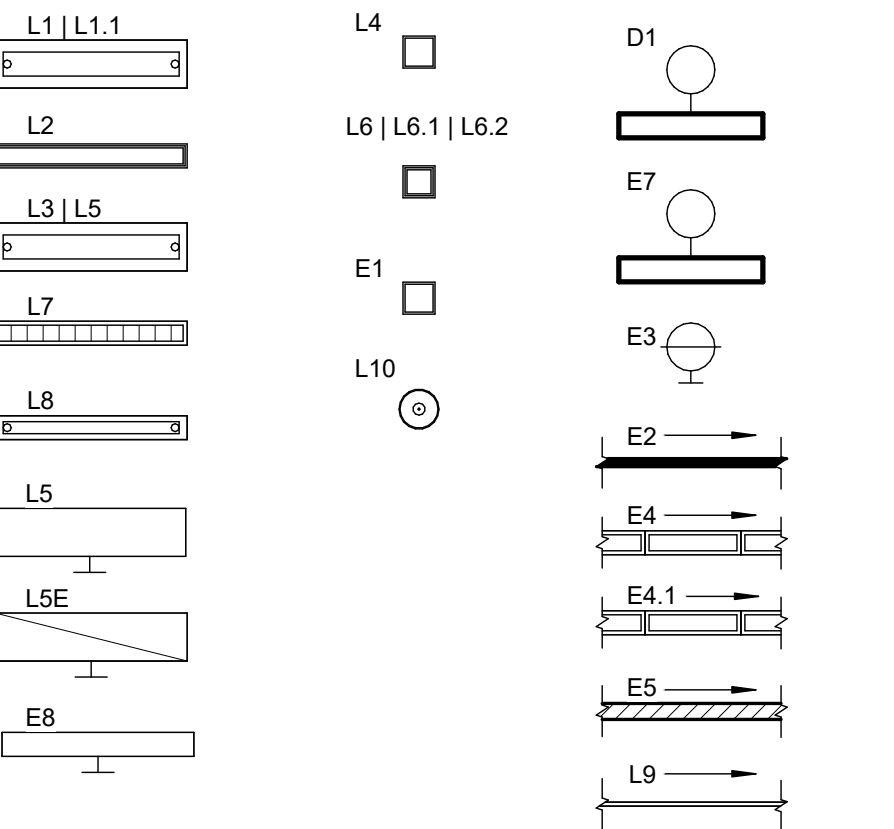


NOTES:

- ABSENCE OF SURFACE PATTERN REPRESENTS EXPOSED CONCRETE SLAB
- MEFP SYSTEMS AND RUNS TO BE COORDINATED AT EXPOSED CONCRETE SLAB CONDITIONS FOR CLEAN & ORDERED APPEARANCE
- REFER TO FLOOR PLANS FOR IN-GROUND LIGHT FIXTURES



OTE: REFER TO LIGHTING SCHEDULE IN SPEC SECTION 26 0000  
OR FURTHER INFORMATION ON FIXTURES



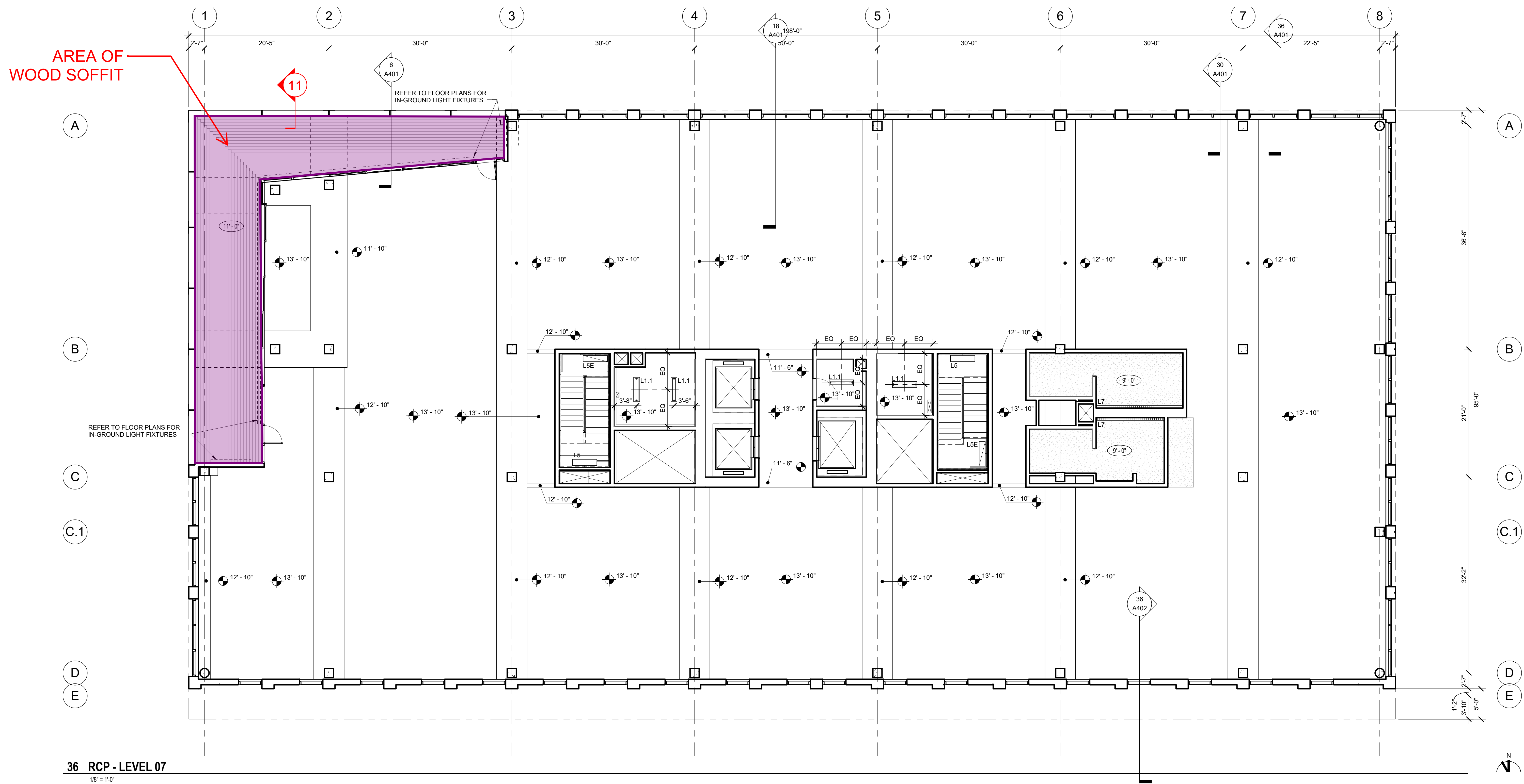
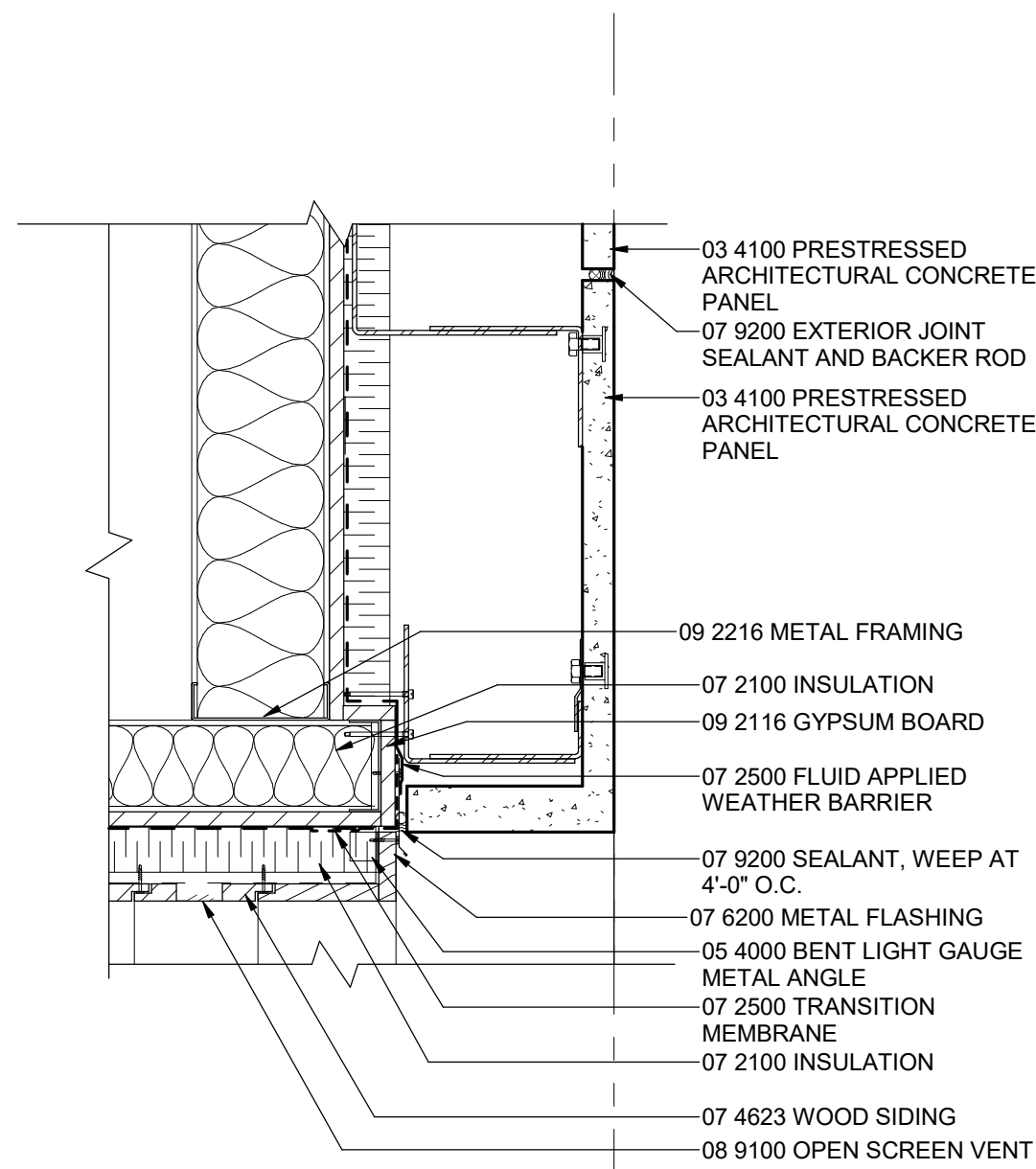
**Notice of Extended Payment Provision:** The contract will allow the owner to make payment within 20 days after the date a billing or estimate is submitted. **Notice of Alternate Billing Cycle:** The contract will allow the owner to require the submission of billings or estimates in billing cycles other than 30-day cycles. Billings or estimates for the contract shall be submitted as follows: Each calendar month ending on the first day of the applicable month.

[illegible]PROJECT NUMBER  
0166042

as indicated

REFLECTED CEILING  
PLAN - LEVEL 06 & 07

# A706

$$1\frac{1}{2}^{\circ} = 1^{\circ}-0'$$


## EXHIBIT B

### Wood Soffiting