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Addendum Transmittal

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PROJECT: GFI:Mission Gateway Hotel 617918 DATE SENT: 8/22/2019
 RETURN BY:
 SUBJECT: Mission Gateway Hotel - Addendum 1 ADDENDUM ID: ADD-001
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 PURPOSE: For Review VIA: Email

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REMARKS:

Addendum 1 includes design document clarifications and reviewed substitution requests. A narrative of the changes has been included in the supporting documents.

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NUMBER	SCALE	SIZE	NOTES
1	8/21/2019	19 0821-MGH Addendum 1.pdf				
1	8/22/2019	Addendum 1				

Addendum Transmittal

DATE: 8/22/2019

ID: 00017

		Narrative.pdf				
1	8/21/2019	104513 - Photoluminescent Egress Path Markings.pdf				
1	8/21/2019	2 TABLE OF CONTENTS.pdf				
1	8/20/2019	262200-Low- Voltage Transformers.pdf				
1	8/20/2019	BB-Folding Partitions - Substitution Request Form_NSPJ.pdf				
1	8/20/2019	Mission Gateway Hotel-RFS LockersMFG_NS PJ.pdf				
1	8/19/2019	Substitution Request - Certofoam 25_NSPJ.pdf				
1	8/19/2019	Substitution Request - Cure & Seal 25_NSPJ.pdf				
1	8/19/2019	Substitution Request - Cure & Seal WB_NSPJ.pdf				
1	8/21/2019	Substitution Request - SikaFlex 1a_NSPJ.pdf				
1	8/21/2019	Substitution Request - SikaFlex 2CNS EZ mix_NSPJ.pdf				
1	8/19/2019	Substitution Request - Spec Film RTU_NSPJ.pdf				
1	8/19/2019	Substitution Request - Spec Rez_NSPJ.pdf				

COPIES:

Addendum Transmittal

DATE: 8/22/2019

ID: 00017

Theresa Curtis
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Chris Beverlin
Matt Heinrich

(NSPJ Architects)
(NSPJ Architects)
(Bob D. Campbell and Company, Inc.)
(Smith & Boucher Engineers)

Mission Gateway Element Hotel
Addendum 1 – Design Clarifications
August 21, 2019

Please utilize the narrative below to understand the clarifications made in this addendum.

DRAWINGS

Architectural

A0.00 – Coversheet

- Sheet list was updated to include added sheet A0.08

A0.03 – Vertical Assemblies-Wd

- General note regarding the acceptable use of nails in lieu of screws in assemblies was added.

A0.07 – Floor/Ceiling Details

- Detail 2 on this sheet was updated to show correct method of continuation of fire rating.

A0.08 – Floor & Roof/Ceiling Details

- Sheet was added.

A0.10 – General Accessibility Notes

- Notes about “Type B” units were removed from sheet as there are not “Type B” units required in this project.
- Details 2 & 3 were updated to clearly show accessibility requirements.

A1.12 – Entry Canopy Sections

- Detail 9 was added to sheet. Canopy thickness was adjusted.

A2.02-A2.07 – Overall Building Plans (Levels 2-7)

- Fire extinguisher cabinet locations were clarified to match code drawings.

A2.60 – Building Section

- Detail callouts were added.

A3.51 – Pool (Public) Restrooms

- Detail 8: Lavatory section was updated so show correct height of lavatory, mirror and backsplash; and plumbing with the note to insulate.

A5.06 – Guest Laundry

- Note about how room wall are required to terminate at the top was added.

A5.14 – Mechanical Shaft Sections

- Detail callouts were added.



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Structural

S0.10 – Concrete Schedules

- Column Details (2) was updated.

S2.10 – Foundation Plan-Segment A

- Column at Grid A/7.7 was changed from a 10x24 to a 12x24 (result of city comment)

S2.31 – Foundation Plan-Segment C

- Column at Grid J/28 was changed from a 10x24 to a 12x24 (result of city comment)

Electrical

E1.12 – Segment A-Level 2 Lighting

- Added exit signs to corridor/lobby connecting door.

E1.23 – Segment B-Level 3 Lighting

- Added additional exit signs.

E1.24 – Segment B-Level 4 Lighting

- Added additional exit signs
- Added plan note 4.

E1.25 – Segment B-Level 5 Lighting

- Added additional exit signs
- Added plan note 4.

E1.26 – Segment B-Level 6 Lighting

- Added additional exit signs
- Added plan note 4.

E1.27 – Segment B-Level 7 Lighting

- Added additional exit signs
- Added plan note 4.

E1.32 – Segment C-Level 2 Lighting

- Added exit signs to corridor/lobby connecting door.

SPECIFICATIONS

Table of Contents

- updated to include new specification section 262200.

Section 104513 – Photoluminescent Egress Path Markings

- Section existing in table of contents but not in spec book, it has been added.

Section 262200 – Low Voltage Transformers

- Section was added.



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SUBSTITUTION REQUESTS

033000 – Cast in Place Concrete

- Request from Logan Contractors Supply
 - Certifoam 25
 - Cure & Seal 25
 - Cure & Seal WB
 - Spec Film RTU
 - Spec Rez

079200 – Joint Sealants

- Request from Logan Contractors Supply
 - SikaFlex 2CNS EZ Mix
 - SikaFlex 1a

105113 – Metal Lockers

- Request from Elite Storage Products
 - Lockers MFG Knock Down Series

102239 – Folding Panel Partitions

- Request from Burns Boys
 - Moderco 842 Signature

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VOLUME 3 OF 8 - BUILDING SITE + EXTERIOR: Building Product Manual

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ARCHITECTURAL LIGHTING, EXTERIOR FINISHES AND PRODUCTS – INDEX AND CUT SHEETS

AL SERIES, ARCHITECTURAL LIGHTING

ALY- EXTERIOR LIGHTING (touching building)
ALZ- EXTERIOR LIGHTING (not touching building)
CUTSHEETS

E SERIES, EXTERIOR FINISHES AND PRODUCTS

EBS- EXTERIOR BUILDING STRUCTURE
EXTERIOR BUILDING WINDOWS
EAL- ALUMINUM LOUVER
EMF- FENCING MATERIAL
EFP- GAS FIRE PIT
EPT- BBQ GRILL
CUTSHEETS

VOLUME 4 OF 8 – PUBLIC SPACE: Building Product Manual

SECTION 406004 – PUBLIC SPACE: BPM COVER

ARCHITECTURAL LIGHTING

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C- LIGHTING CONTROLS
ALJ- STRIP LIGHTING
ALK- DECORATIVE ARCHITECTURAL LIGHT
ALR- RECESSED DOWNLIGHT
CUTSHEETS

DOORS

DF- DOOR FRAMES
DR- DOORS
HW- HARDWARE
CUTSHEETS

CONVEYING EQUIPMENT

LC- LINEN
FEC- FIRE EXTINGUISHER CABINET

ELECTRICAL

RESIDENTIAL APPLIANCES

RA- RESIDENTIAL APPLIANCES
CUTSHEETS

INTERIOR FINISHES

CO- CONCRETE
CG- CORNER GUARDS
EM- ENTRANCE MATS
FC- FLOOR COATINGS
GL- GLASS
IP- INTERIOR PLANTS
PT- PAINT
CUTSHEETS
RB- RESILIENT BASE
RF- RESILIENT FLOORING
TH- THRESHOLD
TB- TILE BASE
TC- TILE CEILING
TF- TILE FLOOR
TW- TILE WALL
TS- TRANSITION STRIP
GR- GROUT
CUTSHEETS
UL- UNDERLAYMENT
WP- WALL PANELS
WF- WOOD FINISH

MILLWORK

CT- COUNTERTOPS
LA- PLASTIC LAMINATE

PLUMBING FIXTURES

PL- PLUMBING FIXTURES
CUTSHEETS

TOILET ACCESSORIES

TA- TOILET ACCESSORIES
CUTSHEETS

VOLUME 5 OF 8 – GUESTROOMS: Building Product Manual

SECTION 406005 – GUESTROOMS: BPM COVER

ARCHITECTURAL LIGHTING

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ALR- RECESSED DOWNLIGHTING
CUTSHEETS

DOORS

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ELECTRICAL EL-

EQUIPMENT

RA- RESIDENTIAL APPLIANCES
CUTSHEETS

INTERIOR FINISHES

PT- PAINT
CUTSHEETS
RB- RESILIENT BASE
TH- THRESHOLD
TB- TILE BASE
TF- TILE FLOOR
TW- TILE WALL
TS- TRANSITION STRIPS
GS- GROUT
CUTSHEETS

MILLWORK

ELEMENT KITCHEN CABINET SPEC
ELEMENT MILLWORK HARDWARE
MH- MILLWORK HARDWARE
CT- COUNTERTOPS
LA- PLASTIC LAMINATE
CUTSHEETS

PLUMBING FIXTURES

PL- PLUMBING FIXTURES
CUTSHEETS

TOILET ACCESSORIES TA-

VOLUME 6 OF 8 – FOODSERVICE AND GUEST LAUNDRY PRODUCT MANUAL

SECTION 406006 – FOODSERVICE AND GUEST LAUNDRY: BPM COVER

FOODSERVICE

EQUIPMENT LIST – MARK #'S 700-782

GUEST LAUNDRY

EQUIPMENT LIST – MARK #'S 950-953

VOLUME 7 OF 8 – INTERIOR DESIGN SPECIFICATION MANUAL

SECTION 406007 – INTERIOR DESIGN SPECIFICATION MANUAL COVER

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SECTION 406008 – TECHNOLOGY PROFILE & SIGNAGE STANDARDS

TECHNOLOGY PROFILE

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EXTERIOR SIGNAGE STANDARDS 2.0

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INTERIOR SIGNAGE STANDARDS 2.0

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3	USE AGREEMENT AND WAIVER OF LIABILITY
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ARCH D 24' x 36'



Mission Gateway Element Hotel

PROJECT INFORMATION

PROJECT ADDRESS: SHAWNEE MISSION PARKWAY & ROELAND DRIVE
COUNTY: JOHNSON

BUILDING AREA	
LEVEL 1:	10,817 S.F.
LEVEL 2:	23,085 S.F.
LEVEL 3:	21,754 S.F.
LEVEL 4:	22,897 S.F.
LEVEL 5:	22,897 S.F.
LEVEL 6:	22,897 S.F.
LEVEL 7:	22,897 S.F.
TOTAL:	147,244 S.F.

SITE DATA

GROSS SITE AREA 2.27 ACRES

TOTAL DWELLING UNITS 202 DU

PARKING DATA

- PARKING STALLS LOCATED IN PARKING GARAGE ADJACENT TO HOTEL AND ARE NOT INCLUDED IN THE SCOPE OF THIS PROJECT.
- REFERENCE GARAGE CONSTRUCTION DRAWINGS FOR COUNTS & LOCATIONS.

GUESTROOM INFORMATION

Type	SF	#	# W/ COMM FEATURES	%
Standard King	383 S.F.	42	4	22%
Acc Standard King	383 S.F.	2	0	
Studio King	463 S.F.	36	4	19%
Acc Studio King	463 S.F.	2	0	
Studio QQ	467 S.F.	89	7	46%
Acc Studio QQ	467 S.F.	3	0	
One Bedroom	497 S.F.	21	1	11%
Acc One Bedroom	497 S.F.	2	0	
Conference Suite	754 S.F.	4	0	3%
Acc Conference Suite	754 S.F.	1	0	
TOTAL		202	16	100%

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VICINITY MAP



SHEET INDEX

01 - ARCHITECTURAL	A4.00 BAR	04 - STRUCTURAL	06 - PLUMBING
A0.00 COVERSHEET	A4.01 BAR ELEVATIONS	P1.01 GENERAL NOTES	P1.02 SEGMENT A - LEVEL 1 UNDERSLAB PLUMBING
ES2.00 CODE INFORMATION	A4.02 BAR DETAILS	S0.02 TYPICAL WOOD DETAILS & SCHEDULES	P1.03 SEGMENT B - LEVEL 1 UNDERSLAB PLUMBING
ES2.01 LEVEL 1 CODE PLAN	A4.10 RISE FOOD PREP - PLAN AND RCP	S0.03 WOOD SHEARWALLS & DETAILS	P1.04 SEGMENT B - LEVEL 2 UNDERSLAB PLUMBING
ES2.02 LEVEL 2 CODE PLAN	A4.11 RISE FOOD PREP - ELEVATIONS	S0.04 WOOD HOLD DOWN DETAILS	P1.11 SEGMENT A - LEVEL 1 PLUMBING
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ES2.04 LEVEL 4 CODE PLAN	A4.15 BUFFET	S0.06 TYPICAL WOOD FRAMING SECTIONS	P1.13 SEGMENT A - LEVEL 3 PLUMBING
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A0.03 VERTICAL ASSEMBLIES-WD	A4.31 POOL INTERIOR ELEVS	S1.10 STAIR FRAMING DETAILS	P1.17 SEGMENT B - LEVEL 1 PLUMBING
A0.04 VERTICAL ASSEMBLIES-MTL/CONC	A4.40 RESTORE - PLAN AND RCP	S2.00 FOUNDATION PLAN	P1.22 SEGMENT B - LEVEL 2 PLUMBING
A0.05 HORIZONTAL ASSEMBLIES	A4.50 MEETING ROOM	S2.01 LEVEL 2 FLOOR FRAMING PLAN	P1.23 SEGMENT B - LEVEL 3 PLUMBING
A0.06 PENETRATION DETAILS	A5.00F GUESTROOM SUPPORT FINISHES	S2.02 LEVEL 3 FLOOR FRAMING PLAN	P1.24 SEGMENT B - LEVEL 4 PLUMBING
A0.07 FLOOR/CEILING DETAILS	A5.00 GUESTROOM CORRIDOR/ GUESTROOM SUPPORT	S2.03 LEVEL 4 FLOOR FRAMING PLAN	P1.25 SEGMENT B - LEVEL 5 PLUMBING
CA 0.08	A5.01 GUESTROOM CORRIDOR/ GUESTROOM SUPPORT	S2.04 LEVEL 5 FLOOR FRAMING PLAN	P1.26 SEGMENT B - LEVEL 6 PLUMBING
A0.10 GENERAL ACCESSIBILITY INFO	A5.02 GUESTROOM CORRIDOR/ GUESTROOM SUPPORT	S2.05 LEVEL 6 FLOOR FRAMING PLAN	P1.27 SEGMENT B - LEVEL 7 PLUMBING
A0.11 GENERAL ACCESSIBILITY INFO	A5.03 ELEVATOR LOBBY	S2.06 LEVEL 7 FLOOR FRAMING PLAN	P1.32 SEGMENT C - LEVEL 2 PLUMBING
A1.00 ARCHITECTURAL SITE PLAN	A5.04 ELEVATOR LOBBY ELEVATIONS	S2.07 ROOF FRAMING PLAN	P1.33 SEGMENT C - LEVEL 3 PLUMBING
A1.10 ENTRY CANOPY PLANS	A5.05 ELEVATOR SECTIONS & DETAILS	S2.08 SHEARWALL & BEARING WALL TYPE PLAN	P1.34 SEGMENT C - LEVEL 4 PLUMBING
A1.11 ENTRY CANOPY ELEVATIONS	A5.06 GUEST LAUNDRY AND EQUIPMENT	S2.10 SEGMENT A - LEVEL 2 FLOOR FRAMING PLAN	P1.35 SEGMENT C - LEVEL 5 PLUMBING
A1.12 ENTRY CANOPY SECTIONS	A5.10 STAIR A - PLANS & SECTION	S2.11a SEGMENT A - LAYOUT & STUD RAIL PLAN	P1.36 SEGMENT C - LEVEL 6 PLUMBING
A1.13 ELEVATED SIDEWALK	A5.12 STAIR C - PLANS & SECTION	S2.12a SEGMENT A - LEVEL 3 FLOOR FRAMING PLAN	P1.37 SEGMENT C - LEVEL 7 PLUMBING
A1.20 REAR COURTYARD PLAN	A5.13 TRASH & LINEN CHUTES	S2.12b SEGMENT A - LEVEL 3 LAYOUT & STUD RAIL PLAN	P3.11 GUESTROOM PLANS - PLUMBING
A2.00 FOUNDATION PLAN	A5.14 SHAFT SECTIONS & DETAILS	S2.13 SEGMENT A - LEVEL 4 FLOOR FRAMING PLAN	P3.12 GUESTROOM PLANS - PLUMBING
A2.01 LEVEL 1 PLAN	A5.20F GUESTROOM FINISH INFORMATION	S2.14 SEGMENT A - LEVEL 5 FLOOR FRAMING PLAN	P3.13 RISER DIAGRAMS
A2.02S SLAB/ LEVEL 2 PODIUM PLAN	A5.20 STANDARD KING GUESTROOM	S2.15 SEGMENT A - LEVEL 6 FLOOR FRAMING PLAN	P4.11 RISER DIAGRAMS
A2.03S LEVEL 3 PODIUM PLAN	A5.21 ACCESSIBLE STANDARD KING GUESTROOM	S2.16 SEGMENT A - LEVEL 7 FLOOR FRAMING PLAN	P4.12 RISER DIAGRAMS
A2.03 LEVEL 3 PLAN	A5.22 STANDARD KING CONNECT	S2.17 SEGMENT A - ROOF FRAMING PLAN	P4.13 RISER DIAGRAMS
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A2.05 LEVEL 5 PLAN	A5.24 ACCESSIBLE STUDIO KING GUESTROOM	S2.20 SEGMENT B - FOUNDATION PLAN	P4.15 RISER DIAGRAMS
A2.06 LEVEL 6 PLAN	A5.30 STUDIO QUEEN QUEEN GUESTROOM	S2.21a SEGMENT B - LEVEL 2 FLOOR FRAMING PLAN	P4.16 RISER DIAGRAMS
A2.07 LEVEL 7 PLAN	A5.31 ACCESSIBLE STUDIO QUEEN QUEEN GUESTROOM	S2.21b SEGMENT B - LEVEL 2 LAYOUT & STUD RAIL PLAN	P4.17 RISER DIAGRAMS
A2.08 ROOF PLAN	A5.32 STUDIO QUEEN QUEEN CONNECT	S2.22a SEGMENT B - LEVEL 3 FLOOR FRAMING PLAN	P4.18 RISER DIAGRAMS
A2.10 SEG A FOUNDATION PLAN	A5.40 ONE BEDROOM GUESTROOM	S2.22b SEGMENT B - LEVEL 3 LAYOUT & STUD RAIL PLAN	P4.19 RISER DIAGRAMS
A2.11 SEG A LEVEL 1 PLAN	A5.41 ACCESSIBLE ONE BEDROOM GUESTROOM	S2.23 SEGMENT B - LEVEL 4 FLOOR FRAMING PLAN	P4.20 RISER DIAGRAMS
A2.12S SEG A LEVEL 2 PODIUM PLAN	A5.42 ONE BEDROOM CONNECT	S2.24 SEGMENT B - LEVEL 5 FLOOR FRAMING PLAN	P4.21 RISER DIAGRAMS
A2.12 SEG A LEVEL 2 PLAN	A5.43 CONFERENCE SUITE GUESTROOM	S2.25 SEGMENT B - LEVEL 6 FLOOR FRAMING PLAN	P4.22 RISER DIAGRAMS
A2.13S SEG A LEVEL 3 PODIUM PLAN	A5.44 CONFERENCE SUITE GUESTROOM	S2.26 SEGMENT B - LEVEL 7 FLOOR FRAMING PLAN	
A2.13 SEG A LEVEL 3 PLAN	A5.45 ACCESSIBLE CONFERENCE SUITE GUESTROOM	S2.27 SEGMENT B - ROOF FRAMING PLAN	
A2.14 SEG A LEVEL 4 PLAN	A5.46 ACCESSIBLE CONFERENCE SUITE GUESTROOM	S2.28 SHEARWALL & BEARING WALL TYPE PLAN	
A2.15 SEG A LEVEL 5 PLAN	A5.50 KITCHEN AND CLOSET MILLWORK - KING & Q/O ROOMS	S2.31 SEGMENT C - FOUNDATION PLAN	
A2.16 SEG A LEVEL 6 PLAN	A5.51 ACCESSIBLE KITCHEN AND CLOSET - KING & Q/O ROOMS	S2.32a SEGMENT C - LEVEL 3 FLOOR FRAMING PLAN	
A2.17 SEG A LEVEL 7 PLAN		S2.32b SEGMENT C - LEVEL 3 LAYOUT & STUD RAIL PLAN	
A2.18 SEG A ROOF PLAN	A5.52 KITCHEN AND CLOSET MILLWORK - ONE BEDROOM AND CONF SUITE	S2.33 SEGMENT C - LEVEL 4 FLOOR FRAMING PLAN	
A2.20 SEG B FOUNDATION PLAN	A5.53 ACCESSIBLE KITCHEN AND CLOSET MILLWORK - ONE BED AND CONF SUITE	S2.34 SEGMENT C - LEVEL 5 FLOOR FRAMING PLAN	
A2.21 SEG B LEVEL 1 PLAN		S2.35 SEGMENT C - LEVEL 6 FLOOR FRAMING PLAN	
A2.22S SEG B LEVEL 2 PODIUM PLAN	A5.54 KITCHEN AND CLOSET MILLWORK DETAILS	S2.36 SEGMENT C - LEVEL 7 FLOOR FRAMING PLAN	
A2.22 SEG B LEVEL 2 PLAN	A5.55 ACCESSIBLE KITCHEN AND CLOSET MILLWORK DETAILS	S2.37 SEGMENT C - ROOF FRAMING PLAN	
A2.23S SEG B LEVEL 3 PODIUM PLAN		S2.38 SHEARWALL & BEARING WALL TYPE PLAN	
A2.23 SEG B LEVEL 3 PLAN	A5.70 K/ST-K/ST-QQ BATHROOM(SHOWER)	S3.00 FOUNDATION SECTIONS	
A2.24 SEG B LEVEL 4 PLAN	A5.71 1BDRM/CONF SUITE BATHROOM(SHOWER)	S3.01 FOUNDATION SECTIONS	
A2.25 SEG B LEVEL 5 PLAN	A5.72 ACC-K/ACC-ST-K/ACC-ST-QQ BATHROOM(SHOWER)	S3.02 FOUNDATION SECTIONS	
A2.26 SEG B LEVEL 6 PLAN	A5.73 ACC.1 BDRM/ACC.CONF.SUITE BATHROOM/ROLL-IN SHOWER)	S3.03 FOUNDATION SECTIONS	
A2.27 SEG B LEVEL 7 PLAN		S3.04 FOUNDATION SECTIONS	
A2.28 SEG B ROOF PLAN		S3.05 FOUNDATION DETAILS	
A2.32S SEG C LEVEL 2 PODIUM PLAN	A5.80 GUEST BATH DETAILS	S3.10 CONCRETE FRAMING SECTIONS	
A2.32 SEG C LEVEL 2 PLAN	A5.81 GUEST BATH DETAILS	S3.11 CONCRETE FRAMING SECTIONS	
A2.33S SEG C LEVEL 3 PODIUM PLAN	A6.00F BACK OF HOUSE FINISHES	S3.12 CONCRETE FRAMING SECTIONS	
A2.33 SEG C LEVEL 3 PLAN	A6.00 EMPLOYEE BREAK ROOM	S3.15 STUD RAIL DETAILS	
A2.34 SEG C LEVEL 4 PLAN	A6.10 ADMINISTRATION AREA	S3.25 NW ELEVATION - LIGHTING	
A2.35 SEG C LEVEL 5 PLAN	A6.11 ADMINISTRATION AREA	S3.26 SW ELEVATION - LIGHTING	
A2.36 SEG C LEVEL 6 PLAN	A6.12 EMPLOYEE BATHROOMS	S3.26 OFMF DETAILS	
A2.37 SEG C LEVEL 7 PLAN	A6.13 HOTEL MAINTENANCE	S3.30 WOOD FRAMING DETAILS	
A2.38 SEG C ROOF PLAN	A6.20 BOH LAUNDRY AND EQUIPMENT	S3.31 WOOD FRAMING DETAILS	
A2.40 LEVEL 1 RCP	A6.21 BOH LAUNDRY AND EQUIPMENT	S3.40 ROOF FRAMING DETAILS	
A2.41 LEVEL 2 RCP	02 - CIVIL	S3.41 ROOF FRAMING DETAILS	
A2.42 LEVEL 3 RCP	C101 TITLE SHEET	S3.42 PARAPET DETAILS	
A2.43 LEVELS 4-7 RCP	C201 GENERAL LAYOUT	S3.43 PARAPET DETAILS	
A2.50 EXTERIOR ELEVATIONS	C301 DIMENSION PLAN	05 - MECHANICAL	
A2.51 EXTERIOR ELEVATIONS	C302 PAVING DETAILS	ME.4.14 DRAIN DETAILS	
A2.52 EXTERIOR ELEVATIONS	C303 PAVING DETAILS	ME.1.11 SYMBOLS & ABBREVIATIONS	
A2.53 EXTERIOR ELEVATIONS	C401 GRADING PLAN	ME.2.11 SITE PLAN	
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A2.74 WALL SECTIONS	C602 ORIFICE BASIN DETAIL	M.11 SEGMENT A - LEVEL 1 HVAC	
A2.80 FDTN. CONC WALL DETAILS	C701 UTILITY PLAN	M.12 SEGMENT A - LEVEL 2 HVAC	
A2.81A WALL DETAILS	C702 WATER SERVICE DETAILS	M.13 SEGMENT A - LEVEL 3 HVAC	
A2.81B WALL DETAILS	C703 WATER SERVICE DETAILS	M.14 SEGMENT A - LEVEL 4 HVAC	
A2.82 WALL FRAMING DETAILS	03 - LANDSCAPE	M.15 SEGMENT A - LEVEL 5 HVAC	
A2.83A ROOF FRAMING DETAILS	L000 TITLE SHEET	M.16 SEGMENT A - LEVEL 6 HVAC	
A2.83B ROOF FRAMING DETAILS	L001 MATERIALS SCHEDULES	M.17 SEGMENT A - LEVEL 7 HVAC	
A2.85A TRANSITION DETAILS	L100 HARDCAPE OVERALL PLAN	M.21 SEGMENT B - LEVEL 1 HVAC	
A2.85B TRANSITION DETAILS	L101 HARDCAPE PLAN	M.22 SEGMENT B - LEVEL 2 HVAC	
A2.86A WINDOW HUS DETAILS - MTL	L102 HARDCAPE PLAN	M.23 SEGMENT B - LEVEL 3 HVAC	
A2.86B WINDOW HUS DETAILS	L103 HARDCAPE PLAN	M.24 SEGMENT B - LEVEL 4 HVAC	
A2.86C WDW HUS / V/TAC GRILLES	L104 SITE FURNISHINGS PLAN	M.25 SEGMENT B - LEVEL 5 HVAC	
A2.87A CORNER TRANS DTLs	L200 HARDCAPE DETAILS	M.26 SEGMENT B - LEVEL 6 HVAC	
A2.90 DOOR SCHEDULE AND DETAILS	L201 HARDCAPE DETAILS	M.32 SEGMENT C - LEVEL 7 HVAC	
A2.94 STOREFRONT SCHEDULE	L300 LANDSCAPE OVERALL PLAN	M.32 SEGMENT C - LEVEL 7 HVAC	
A3.00F PUBLIC SPACE FINISHES	L301 LANDSCAPE UNDERSTORY PLAN	M.33 SEGMENT C - LEVEL 2 HVAC	
A3.01 ENLARGED LOBBY PLAN	L303 LANDSCAPE UNDERSTORY PLAN	M.34 SEGMENT C - LEVEL 4 HVAC	
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A3.11 LOBBY ELEVATIONS	L401 IRRIGATION PLAN	M.2.11 KITCHEN VENTILATION	
A3.20 CHECK-IN DESK - PLAN AND RCP	L402 IRRIGATION PLAN	M.2.12 KITCHEN VENTILATION	
A3.21 CHECK-IN DESK - ELEVATIONS	L403 IRRIGATION PLAN	M.3.11 GUESTROOM PLANS - HVAC	
A3.22 CHECK-IN DESK - DETAILS	L490 IRRIGATION DETAILS	M.3.12 GUESTROOM PLANS - HVAC	
A3.23 CHECK-IN DESK - DETAILS	L491 IRRIGATION DETAILS & SCHEDULE	M.3.13 GUESTROOM PLANS - HVAC	
A3.25 COFFEE COUNTER	L492 IRRIGATION VALVE SCHEDULE		
A3.27 LOUNGE SCREEN AT SEATING			
A3.50 PUBLIC RESTROOMS			
A3.51 POOL RESTROOMS			

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A NEW ELEMENT BY WESTIN FOR
MISSION GATEWAY
5931 ROELAND DR
MISSION, KANSAS

DRAWING RELEASE LOG
● 19 0626 - PERMIT SUBMITTAL
● 19 0814 - BID SET

REVISIONS:
3 19 0820 PERMIT REVISION 1
3 19 0820 ADDENDUM 1

RECEIVED BY FOGEL-ANDERSON ON 8/22/19

DATE:
06/26/19
JOB NO.
617918
DRAWN BY:
TSC/SIW
SHEET NO.

A0.00

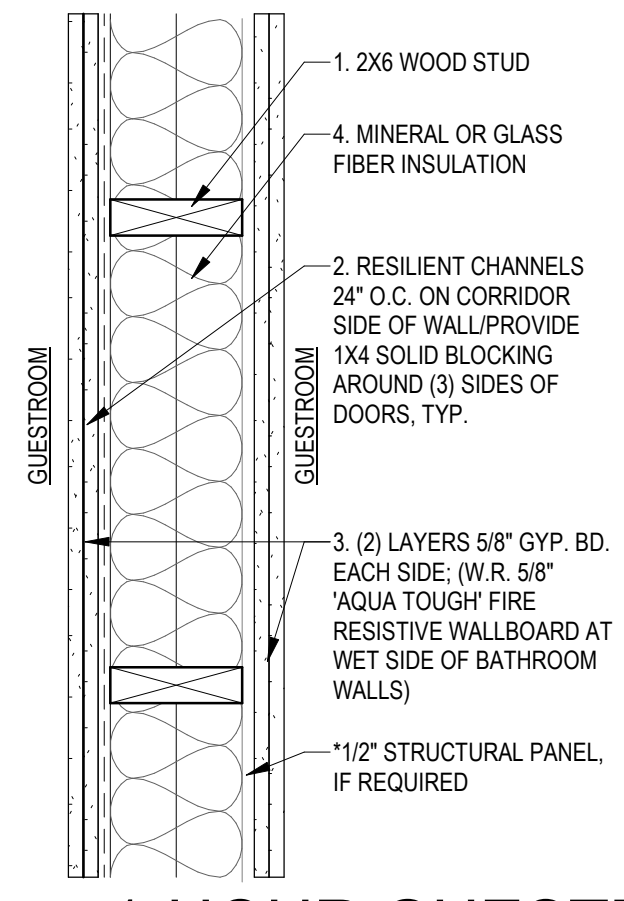
GENERAL NOTE

NAILS ARE ALLOWED TO BE SUBSTITUTED FOR SCREWS IN THESE ASSEMBLIES PER NOTE #4 IN THE UL DIRECTORY.

NAILS ARE SPECIFIED ACCORDING TO ASTM F547, "STANDARD TERMINOLOGY OF NAILS FOR USE WITH WOOD AND WOOD-BASE MATERIALS," OR ASTM C514, "STANDARD SPECIFICATION FOR NAILS FOR THE APPLICATION OF GYPSUM BOARD."

NAILS USED TO ATTACH GYPSUM BOARD TO WOOD FRAMING SHOULD BE CEMENT COATED BOX NAILS OR CEMENT COATED COOLER NAILS UNLESS SPECIFIED OTHERWISE IN THE INDIVIDUAL DESIGNS.

SCREWS MEETING ASTM C1002, "STANDARD SPECIFICATION FOR STEEL SELF-PIERCING TAPPING SCREWS FOR THE APPLICATION OF GYPSUM PANEL PRODUCTS OR METAL PLASTER BASES TO WOOD STUDS OR STEEL STUDS," OR ASTM C954, "STANDARD SPECIFICATION FOR STEEL DRILL SCREWS FOR THE APPLICATION OF GYPSUM PANEL PRODUCTS OR METAL PLASTER BASES TO STEEL STUDS FROM 0.033 IN. (0.84 MM) TO 0.112 IN. (2.84 MM) IN THICKNESS," MAY BE SUBSTITUTED FOR NAILS, ONE FOR ONE, WHEN THE HEAD DIAMETER, LENGTH, AND SPACING EQUAL OR EXCEED THE REQUIREMENTS FOR THE SPECIFIED NAILS.



- WOOD STUDS** - NOMINAL 2X6 SPACED 16" O.C. OR 24" O.C., EFFECTIVELY CROSS BRACED
- RESILIENT CHANNELS** - 25 MSG GALV STEEL. RESILIENT CHANNELS SPACED VERTICALLY 24" O.C., FLANGE PORTION SCREW ATTACHED TO ONE SIDE OF STUDS WITH 1-1/4" LONG TYPE E COARSE THREAD GYPSUM PANEL STEEL SCREWS.
- GYPSUM BOARD** - 5/8" THICK, 4" WIDE. SCREWS ATTACHED ON ONE SIDE OF WALL TO FURRING CHANNELS WITH 1" LONG, SELF-DRILLING, SELF-TAPPING STEEL SCREWS SPACED 12" O.C., VERTICAL JOINTS LOCATED MIDWAY BETWEEN STUDS AND BACK BLOCKED WITH FURRING CHANNELS, ATTACHED WITH 1" LONG, SELF-DRILLING, SELF-TAPPING SCREWS, SPACED 12" O.C., ALONG EACH EDGE. GYPSUM BOARD ON OPPOSITE SIDE OF WALL ATTACHED DIRECTLY TO STUDS WITH 1-1/4" LONG TYPE W COARSE THREAD GYPSUM PANEL STEEL SCREWS SPACED 12" O.C. VERTICAL JOINTS SHALL BE LOCATED OVER STUDS ON THIS SIDE OF THE WALL. *INSTALL AN ADDITIONAL LAYER OF GYP. BD. TO EACH SIDE TO ACHIEVE REQUIRED STC RATING
- BATTS & BLANKETS** - 3-1/2" THICK MINERAL WOOL BATTS, PLACED TO FILL INTERIOR OF WALL, ATTACHED TO THE 4" FACE OF THE STUDS WITH STAPLES PLACED 24" O.C.
- JOINTS AND SCREW HEADS** - WALLBOARD JOINTS COVERED WITH PAPER TAPE AND JOINT COMPOUND. SCREW HEADS COVERED WITH JOINT COMPOUND.

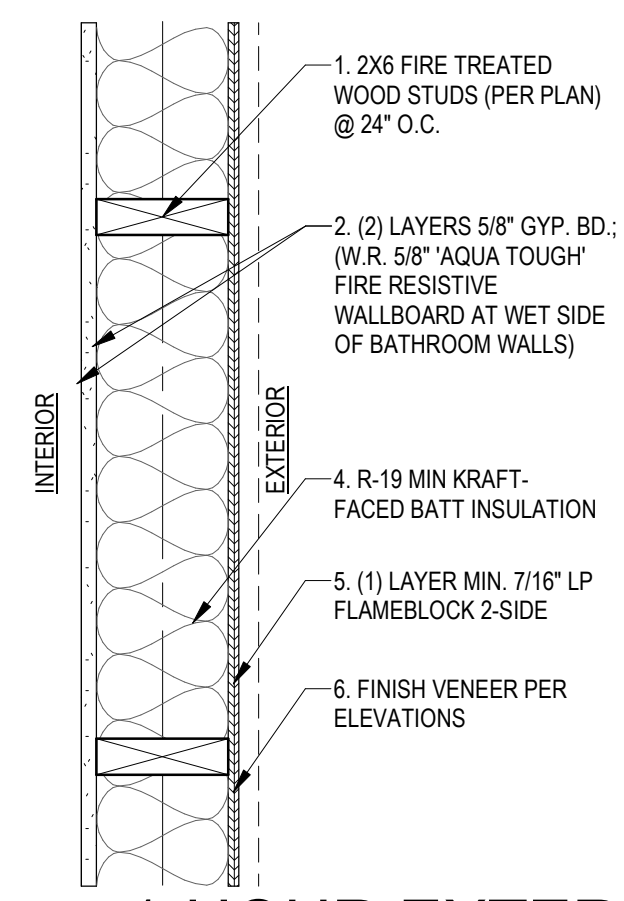
(N) 1-HOUR GUESTROOM DEMISING WALL
1 1/2" = 1'-0"

UL DESIGN NO. U311

1 HOUR FIRE RATED
58 STC

GYPSUM WALLBOARD, RESILIENT CHANNELS, MINERAL OR GLASS FIBER INSULATION, WOOD STUDS

NOTES:
SOUND TEST SA-830702
INSULATION (ECOTOUCH) 58 STC
SOUND TEST ASTM E90



- WOOD STUDS** - NOMINAL FIRE TREATED 2X6 WOOD STUDS SPACED 24" O.C. WITH (2) 2X6 TOP PLATES & (1) 2X6 BOTTOM PLATE, RESPECTIVELY. STUDS EFFECTIVELY FIRESTOPPED.
- GYPSUM BOARD** - ANY 5/8" THICK, 4" WIDE, UL CLASSIFIED GYPSUM BOARD THAT IS ELIGIBLE FOR USE IN DESIGN #'S L501, G512 OR U305. (1) LAYER APPLIED VERTICALLY NAILED TO STUDS AND BEARING PLATES 6" O.C. WITH 6d CEMENT-COATED NAILS, 1-7/8" LONG, 0.0915" SHANK DIA. WITH 1/4" DIA. HEAD.
- JOINTS & NAILHEADS (NOT SHOWN)** - WALLBOARD JOINTS COVERED WITH TAPE AND JOINT COMPOUND. NAILHEADS COVERED WITH JOINT COMPOUND.
- BATTS & BLANKETS** - 5-1/2" UNFACED MINERAL FIBER INSULATION, NOM. 3.0 PCF, PRESSURE FIT IN THE WALL CAVITY BETWEEN STUD, PLATES AND CROSS BRACING. INSULATION MAY BE APPLIED IN MULTIPLE LAYERS TO ACHIEVE FINAL THICKNESS.
- BUILDING UNITS** - BUILDING UNITS WITH THE LAMINATE FACE AGAINST, AND NAILED TO, THE WOOD FRAMING W/ 1-7/8" LONG, 6d NAILS ON THE PERIMETER AND 12" O.C. IN THE FIELD.
-LOUISIANA-PACIFIC CORP - TYPE BLAZEGUARD 1-SIDE
-LOUISIANA-PACIFIC CORP - TYPE LP FLAMEBLOCK 1-SIDE
- EXTERIOR FACINGS** - INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

(D) 1-HOUR EXTERIOR WALL
1 1/2" = 1'-0"

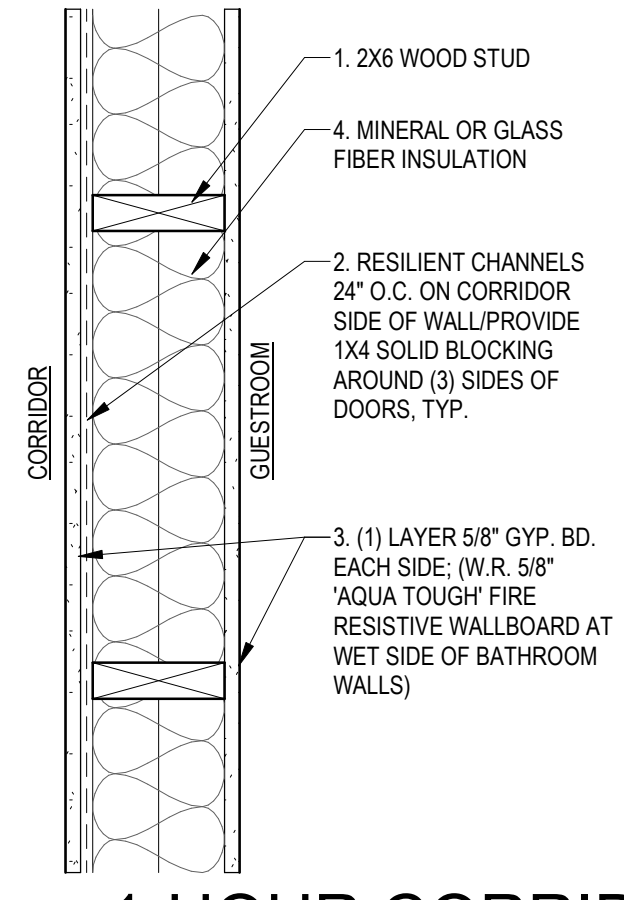
UL DESIGN NO. U348

1 HOUR FIRE RATED
STC UNTESTED

GYPSUM SHEATHING, GYPSUM WALLBOARD, WOOD STUDS

NOTES:
A. ALL GYPSUM BOARD JOINTS TO BE TAPED AND ALL JOINTS AND FASTENER HEADS TO BE TREATED WITH JOINT COMPOUND.
B. IN ADDITION TO R-13 BATT INSULATION, *FOAM BOARD MAY BE APPLIED OVER WOOD SUBSTRATE FOR IMPROVED THERMAL RESISTANCE - ONE LAYER GRADE "D" KRAFT PAPER MAY BE USED UNDER FOAM WITH PERMITTED BY LOCAL CODE.
C. INTERIOR GYPSUM BOARD MAY BE SUBSTITUTED BY 5/8" THICK W.R. GYPSUM BACKING BOARD (ASTM C-630-92) OR GYPSUM VENEER BASE (ASTM C-588-92).
D. SEE DATA SHEETS FOR WIND INFILTRATION VALUE.
E. ALL FASTENERS TO PENETRATE WOOD FRAMING A MIN. OF 1".

*BEARING THE UL CLASSIFICATION MARKING.



- WOOD STUDS** - NOMINAL 2X6 SPACED 16" O.C. OR 24" O.C., EFFECTIVELY CROSS BRACED
- RESILIENT CHANNELS** - 25 MSG GALV STEEL. RESILIENT CHANNELS SPACED VERTICALLY 24" O.C., FLANGE PORTION SCREW ATTACHED TO ONE SIDE OF STUDS WITH 1-1/4" LONG TYPE E COARSE THREAD GYPSUM PANEL STEEL SCREWS.
- GYPSUM BOARD** - 5/8" THICK, 4" WIDE. SCREWS ATTACHED ON ONE SIDE OF WALL TO FURRING CHANNELS WITH 1" LONG, SELF-DRILLING, SELF-TAPPING STEEL SCREWS SPACED 12" O.C., VERTICAL JOINTS LOCATED MIDWAY BETWEEN STUDS AND BACK BLOCKED WITH FURRING CHANNELS, ATTACHED WITH 1" LONG, SELF-DRILLING, SELF-TAPPING SCREWS, SPACED 12" O.C., ALONG EACH EDGE. GYPSUM BOARD ON OPPOSITE SIDE OF WALL ATTACHED DIRECTLY TO STUDS WITH 1-1/4" LONG TYPE W COARSE THREAD GYPSUM PANEL STEEL SCREWS SPACED 12" O.C. VERTICAL JOINTS SHALL BE LOCATED OVER STUDS ON THIS SIDE OF THE WALL. *SUBSTITUTE SOUNDBREAK XP (NATIONAL GYPSUM CO) TO ACHIEVE REQUIRED STC RATING
- BATTS & BLANKETS** - 3-1/2" THICK MINERAL WOOL BATTS, PLACED TO FILL INTERIOR OF WALL, ATTACHED TO THE 4" FACE OF THE STUDS WITH STAPLES PLACED 24" O.C.
- JOINTS AND SCREW HEADS** - WALLBOARD JOINTS COVERED WITH PAPER TAPE AND JOINT COMPOUND. SCREW HEADS COVERED WITH JOINT COMPOUND.

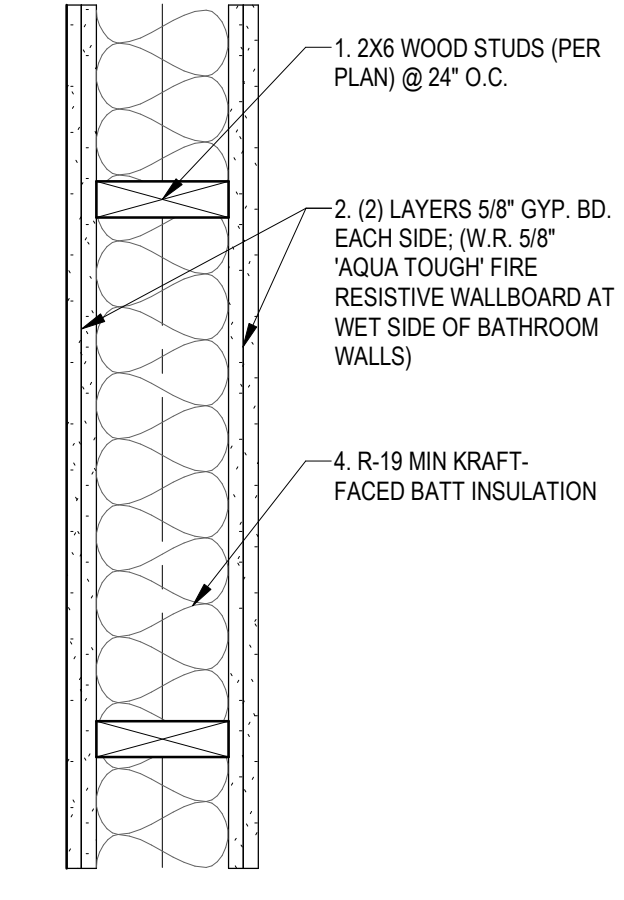
(M) 1-HOUR CORRIDOR WALL
1 1/2" = 1'-0"

UL DESIGN NO. U311

1 HOUR FIRE RATED
58 STC

GYPSUM WALLBOARD, RESILIENT CHANNELS, MINERAL OR GLASS FIBER INSULATION, WOOD STUDS

NOTES:
SOUND TEST SA-830702
INSULATION (ECOTOUCH) 58 STC
SOUND TEST ASTM E90



- WOOD STUDS** - NOMINAL 2X6 WOOD STUDS SPACED 16" O.C. EFFECTIVELY CROSSBRACED.
- GYPSUM BOARD** - 5/8" THICK, WITH SQUARE OF TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY WITH VERTICAL JOINTS CENTERED OVER STUDS. HORIZONTAL JOINTS NEED NOT BE BACKED BY FRAMING. BASE LAYER FASTENED TO STUDS AND BEARING PLATES 6" O.C. WITH 6d CEMENT-COATED NAILS, 1-7/8" LONG, OR 1-7/8" LONG TYPE S OR W SCREWS. FACE LAYER FASTENED TO STUDS AND BEARING PLATES OVER THE BASE LAYER, 8" O.C. W/ 8d CEMENT-COATED NAILS, 2-3/8" LONG OR 2-1/4" LONG TYPE S OR W SCREWS. JOINTS OFFSET MIN 12" FROM BASE LAYER JOINTS.
- JOINTS (NOT SHOWN)** - EXPOSED JOINTS COVERED WITH PAPER TAPE AND JOINT COMPOUND (MAY BE OMITTED WHEN SQUARE EDGE BOARDS ARE USED). NAILHEADS COVERED WITH JOINT COMPOUND.
- BATTS & BLANKETS** - MIN 5-1/2" MINERAL WOOL BATTS, FRICTION FIT BETWEEN STUDS.
- CEMENTITIOUS BACKER UNITS (NOT SHOWN)** - (ON EXTERIOR FACE) 1/2" OR 5/8" THICK, INSTALLED VERTICALLY OR HORIZONTALLY WITH VERTICAL JOINTS CENTERED OVER STUDS. FASTENED TO STUDS AND PLATES WITH CORROSION RESISTANT 2-1/4" LONG CHAMFERED, RIBBED WAFER HEAD SCREWS WITH A MIN HEAD DIA. OF .004" SPACED 8" O.C. JOINTS OFFSET MIN 12" FROM BASE LAYER JOINTS.
- JOINTS (NOT SHOWN)** - (ON EXTERIOR FACE) JOINTS OF CEMENTITIOUS BACKER UNITS COVERED WITH GLASS FIBER MESH TAPE AND LATEX MODIFIED PORTLAND CEMENT MORTAR OR BASECOAT, OR TYPE I ORGANIC ADHESIVE

(C) 2-HOUR STAIR/ELEVATOR WALL
1 1/2" = 1'-0"

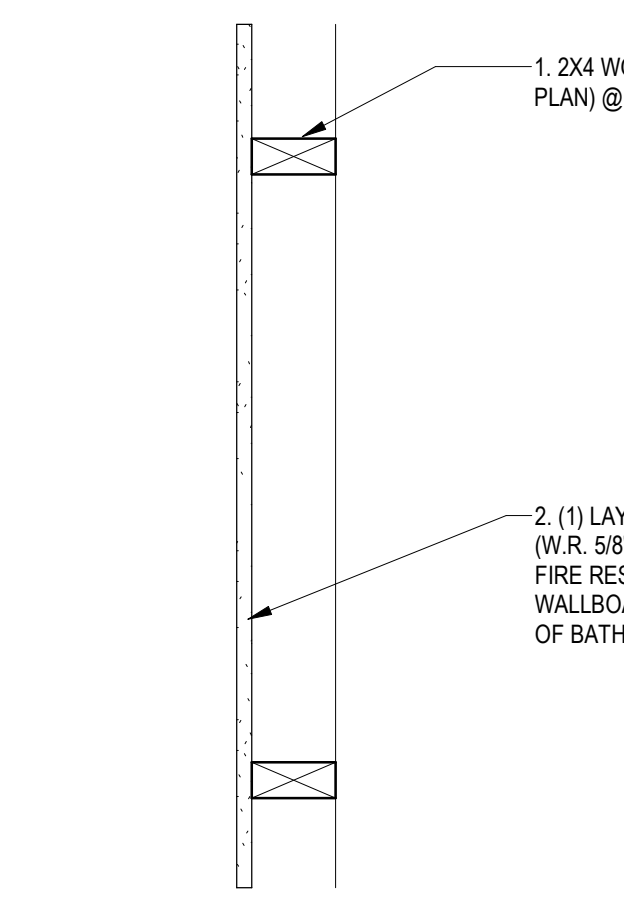
UL DESIGN NO. U308

2 HOUR FIRE RATED
STC UNTESTED

GYPSUM WALLBOARD, WOOD STUDS, MINERAL WOOL INSULATION

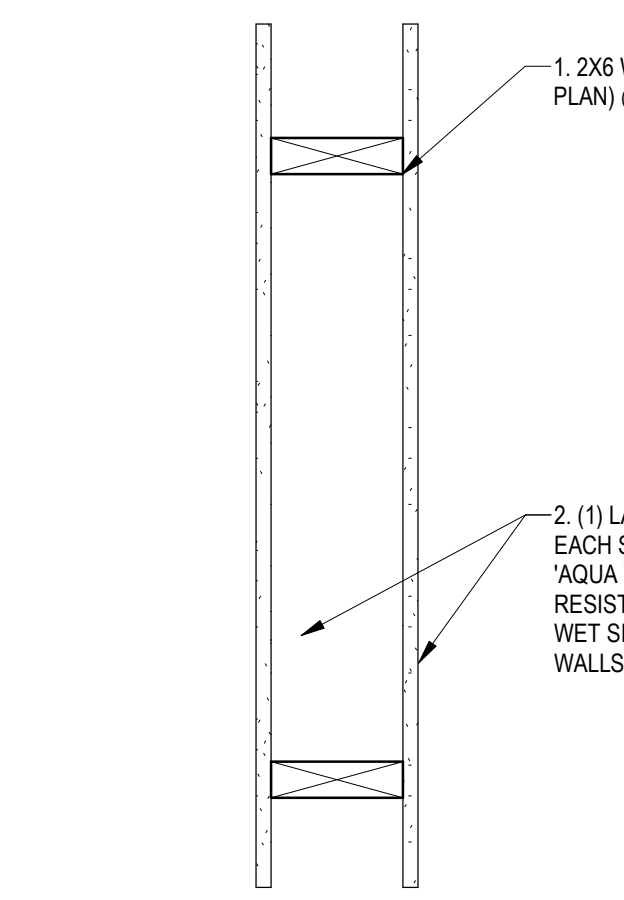
NOTES:
A. ALL GYPSUM BOARD JOINTS TO BE TAPED AND ALL JOINTS AND FASTENER HEADS TO BE TREATED WITH JOINT COMPOUND.
B. IN ADDITION TO R-13 BATT INSULATION, *FOAM BOARD MAY BE APPLIED OVER WOOD SUBSTRATE FOR IMPROVED THERMAL RESISTANCE - ONE LAYER GRADE "D" KRAFT PAPER MAY BE USED UNDER FOAM WITH PERMITTED BY LOCAL CODE.
C. INTERIOR GYPSUM BOARD MAY BE SUBSTITUTED BY 5/8" THICK W.R. GYPSUM BACKING BOARD (ASTM C-630-92) OR GYPSUM VENEER BASE (ASTM C-588-92).
D. SEE DATA SHEETS FOR WIND INFILTRATION VALUE.
E. ALL FASTENERS TO PENETRATE WOOD FRAMING A MIN. OF 1".

*BEARING THE UL CLASSIFICATION MARKING.



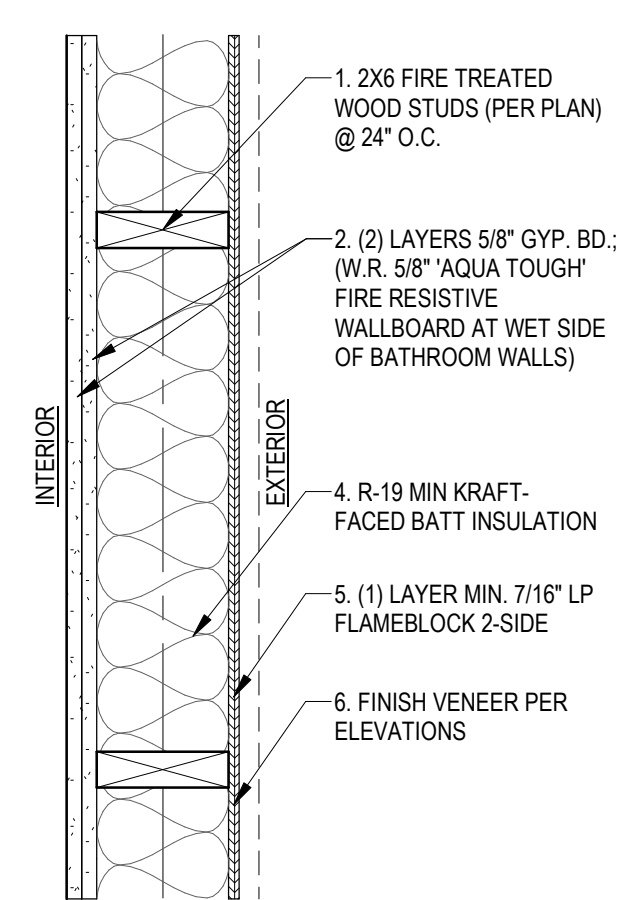
- 2X4 WOOD STUDS (PER PLAN) @ 24" O.C.
- (1) LAYER 5/8" GYP. BD. (W.R. 5/8" AQUA TOUGH) FIRE RESISTIVE WALLBOARD AT WET SIDE OF BATHROOM WALLS)

(L) 0-HOUR WALL-FURRED
1 1/2" = 1'-0"



- 2X6 WOOD STUDS (PER PLAN) @ 24" O.C.
- (1) LAYER 5/8" GYP. BD. (W.R. 5/8" AQUA TOUGH) FIRE RESISTIVE WALLBOARD AT WET SIDE OF BATHROOM WALLS)

(K) 0-HOUR WALL
1 1/2" = 1'-0"



- WOOD STUDS** - NOMINAL FIRE TREATED 2X6 WOOD STUDS SPACED 24" O.C. WITH (2) 2X6 TOP PLATES & (2) 2X6 BOTTOM PLATES, RESPECTIVELY. STUDS EFFECTIVELY FIRESTOPPED.
- GYPSUM BOARD** - ANY 5/8" THICK, 4" WIDE, UL CLASSIFIED GYPSUM BOARD THAT IS ELIGIBLE FOR USE IN DESIGN #'S L501, G512 OR U305. (2) LAYERS APPLIED VERTICALLY. BASE LAYER NAILED TO STUDS AND BEARING PLATES 6" O.C. WITH 6d CEMENT-COATED NAILS, 1-7/8" LONG, 0.0915" SHANK DIA. WITH 1/4" DIA. HEAD. FACE LAYER W/ JOINTS STAGGERED FROM BASE LAYER, NAILED TO STUDS AND BEARING PLATES OVER THE BASE LAYER, 8" O.C. W/ 8d CEMENT-COATED NAILS, 2-3/8" LONG, .0113" SHANK DIA. W/ 9/32" DIA. HEAD.
- JOINTS & NAILHEADS (NOT SHOWN)** - WALLBOARD JOINTS COVERED WITH TAPE AND JOINT COMPOUND. NAILHEADS COVERED WITH JOINT COMPOUND.
- BATTS & BLANKETS** - 5-1/2" UNFACED MINERAL FIBER INSULATION, NOM. 3.0 PCF, PRESSURE FIT IN THE WALL CAVITY BETWEEN STUD, PLATES AND CROSS BRACING. INSULATION MAY BE APPLIED IN MULTIPLE LAYERS TO ACHIEVE FINAL THICKNESS.
- BUILDING UNITS** - BUILDING UNITS NAILED TO THE WOOD FRAMING W/ 1-7/8" LONG, 6d NAILS ON THE PERIMETER AND 12" O.C. IN THE FIELD.
-LOUISIANA-PACIFIC CORP - TYPE BLAZEGUARD 2-SIDE
-LOUISIANA-PACIFIC CORP - TYPE LP FLAMEBLOCK 2-SIDE
- EXTERIOR FACINGS** - INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

(B) 2-HOUR EXTERIOR BEARING WALL
1 1/2" = 1'-0"

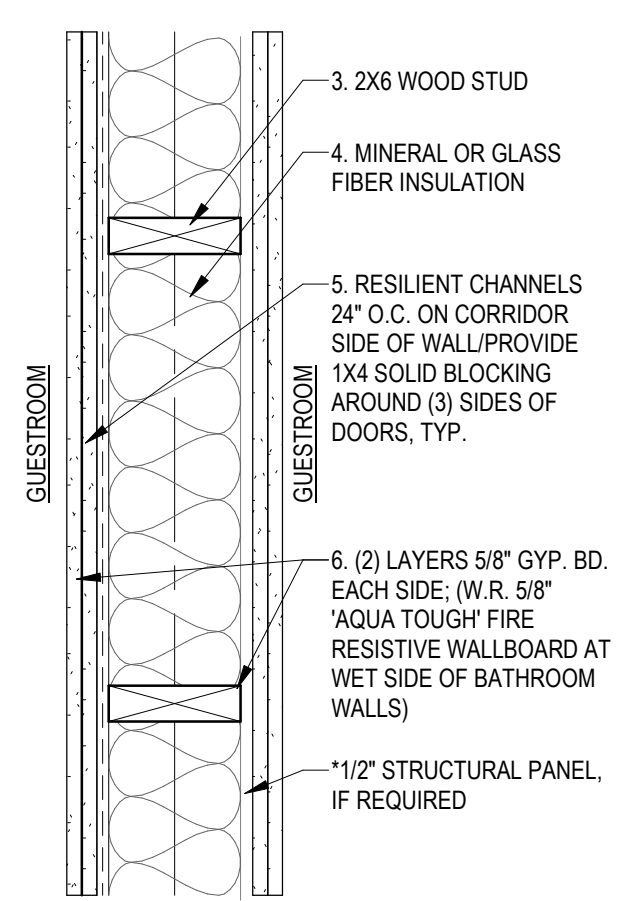
UL DESIGN NO. U349

2 HOUR FIRE RATED
STC UNTESTED

GYPSUM SHEATHING, GYPSUM WALLBOARD, WOOD STUDS

NOTES:
A. ALL GYPSUM BOARD JOINTS TO BE TAPED AND ALL JOINTS AND FASTENER HEADS TO BE TREATED WITH JOINT COMPOUND.
B. IN ADDITION TO R-13 BATT INSULATION, *FOAM BOARD MAY BE APPLIED OVER WOOD SUBSTRATE FOR IMPROVED THERMAL RESISTANCE - ONE LAYER GRADE "D" KRAFT PAPER MAY BE USED UNDER FOAM WITH PERMITTED BY LOCAL CODE.
C. INTERIOR GYPSUM BOARD MAY BE SUBSTITUTED BY 5/8" THICK W.R. GYPSUM BACKING BOARD (ASTM C-630-92) OR GYPSUM VENEER BASE (ASTM C-588-92).
D. SEE DATA SHEETS FOR WIND INFILTRATION VALUE.
E. ALL FASTENERS TO PENETRATE WOOD FRAMING A MIN. OF 1".

*BEARING THE UL CLASSIFICATION MARKING.



- WOOD STUDS** - NOMINAL 2X6 SPACED 16" O.C. MAX. EFFECTIVELY FIRESTOPPED
- BATTS & BLANKETS** - PLACED IN STUD CAVITIES, ANY GLASS FIBER OR MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE.
- FURRING CHANNELS** - RESILIENT FURRING CHANNELS FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, SPACED VERTICALLY A MAX OF 24" O.C. FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1" LONG TYPE S SCREWS.
- GYPSUM BOARD** - 5/8" THICK PAPER SURFACED WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED EITHER HORIZONTALLY OR VERTICALLY. VERTICAL JOINTS IN ADJACENT LAYERS STAGGERED ONE STUD CAVITY. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED.
*INSTALL AN ADDITIONAL LAYER OF GYP. BD. TO EACH SIDE TO ACHIEVE REQUIRED STC RATING
- JOINT TAPE AND COMPOUND** - VINYL OR CASEIN, DRY OR PREMIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS OF OUT LAYERS. PAPER TAPE, NOMINAL 2" WIDE EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS OF OUTER LAYER PANELS. PAPER TAPE AND JOINT COMPOUND MAY BE OMITTED WHEN GYPSUM PANELS ARE SUPPLIED WITH A SQUARE EDGE.

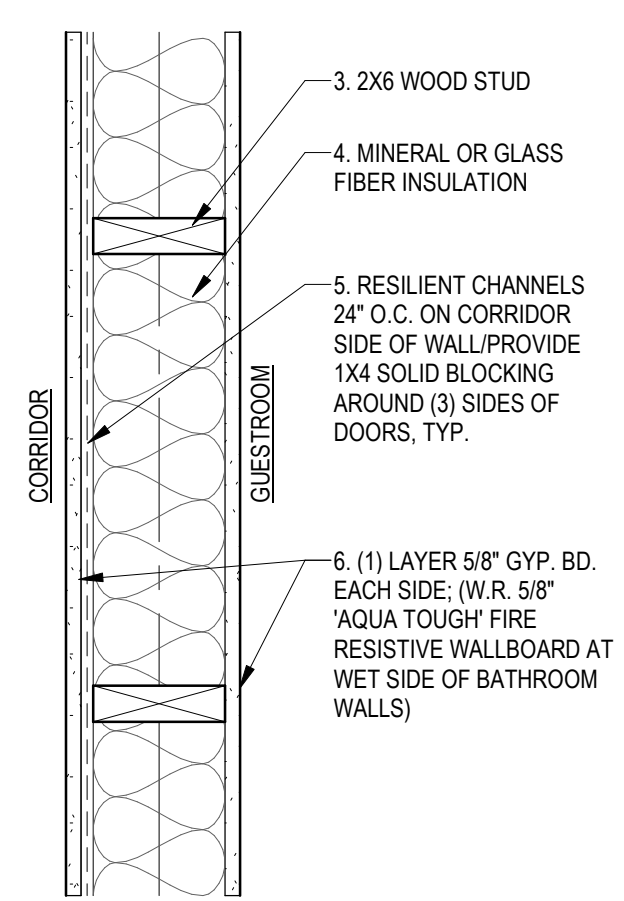
(E) 0.5-HOUR GUESTROOM DEMISING WALL
1 1/2" = 1'-0"

UL DESIGN NO. U407

1/2 HOUR FIRE RATED
56 STC

GYPSUM WALLBOARD, RESILIENT CHANNELS, MINERAL OR GLASS FIBER INSULATION, WOOD STUDS

NOTES:
SOUND TEST RAL-TL11-085
INSULATION (ECOTOUCH) 56 STC
SOUND TEST ASTM E90



- WOOD STUDS** - NOMINAL 2X6 SPACED 16" O.C. MAX. EFFECTIVELY FIRESTOPPED
- BATTS & BLANKETS** - PLACED IN STUD CAVITIES, ANY GLASS FIBER OR MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE.
- FURRING CHANNELS** - RESILIENT FURRING CHANNELS FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, SPACED VERTICALLY A MAX OF 24" O.C. ON CORRIDOR SIDE OF WALL/PROVIDE 1X4 SOLID BLOCKING AROUND (3) SIDES OF DOORS, TYP.
- GYPSUM BOARD** - 5/8" THICK PAPER SURFACED WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED EITHER HORIZONTALLY OR VERTICALLY. VERTICAL JOINTS IN ADJACENT LAYERS STAGGERED ONE STUD CAVITY. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED.
*SUBSTITUTE SOUNDBREAK XP (NATIONAL GYPSUM CO) TO ACHIEVE REQUIRED STC RATING
- JOINT TAPE AND COMPOUND** - VINYL OR CASEIN, DRY OR PREMIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS OF OUT LAYERS. PAPER TAPE, NOMINAL 2" WIDE EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS OF OUTER LAYER PANELS. PAPER TAPE AND JOINT COMPOUND MAY BE OMITTED WHEN GYPSUM PANELS ARE SUPPLIED WITH A SQUARE EDGE.

(A) 0.5-HOUR CORRIDOR WALL
1 1/2" = 1'-0"

UL DESIGN NO. U407

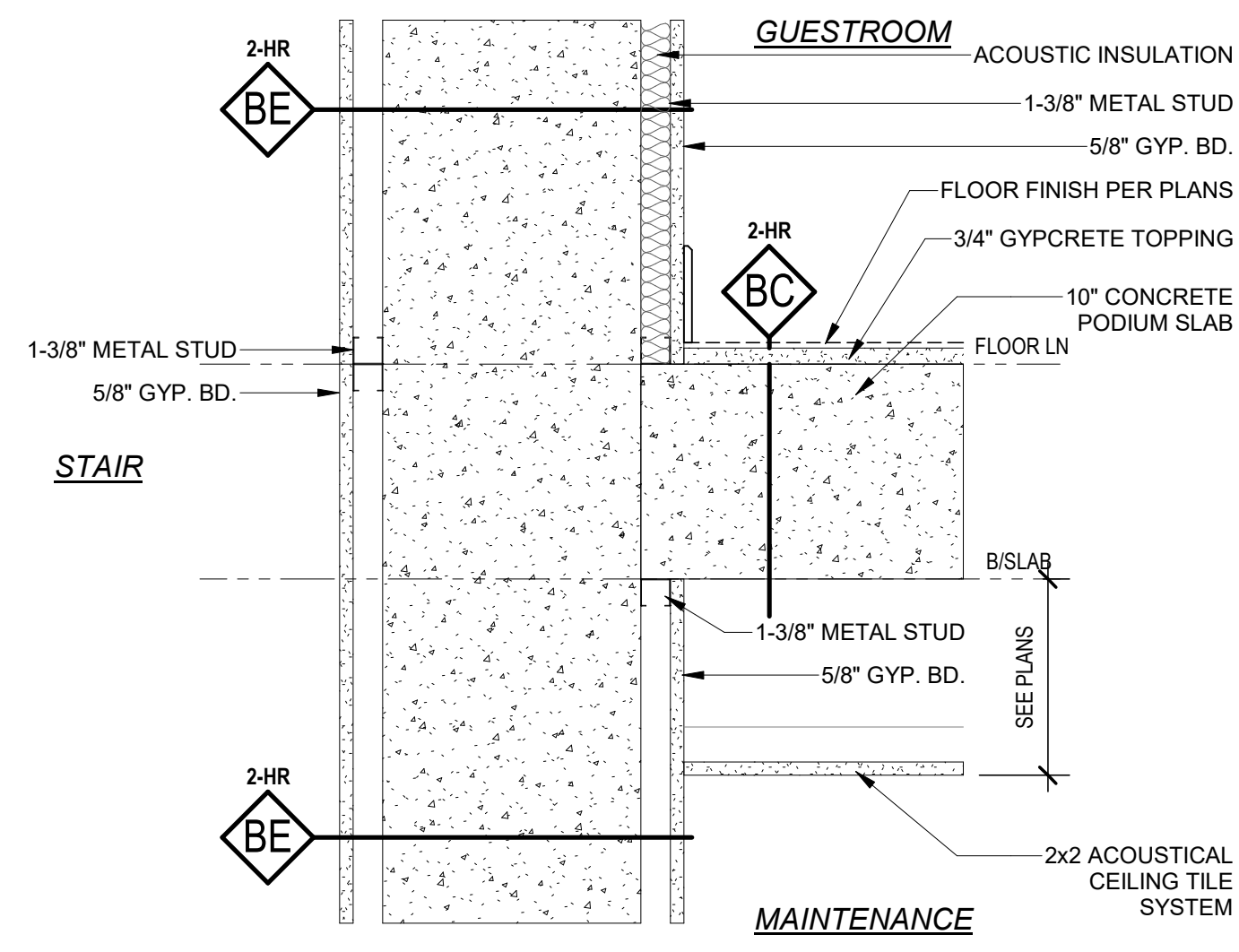
1/2 HOUR FIRE RATED
56 STC

GYPSUM WALLBOARD, RESILIENT CHANNELS, MINERAL OR GLASS FIBER INSULATION, WOOD STUDS

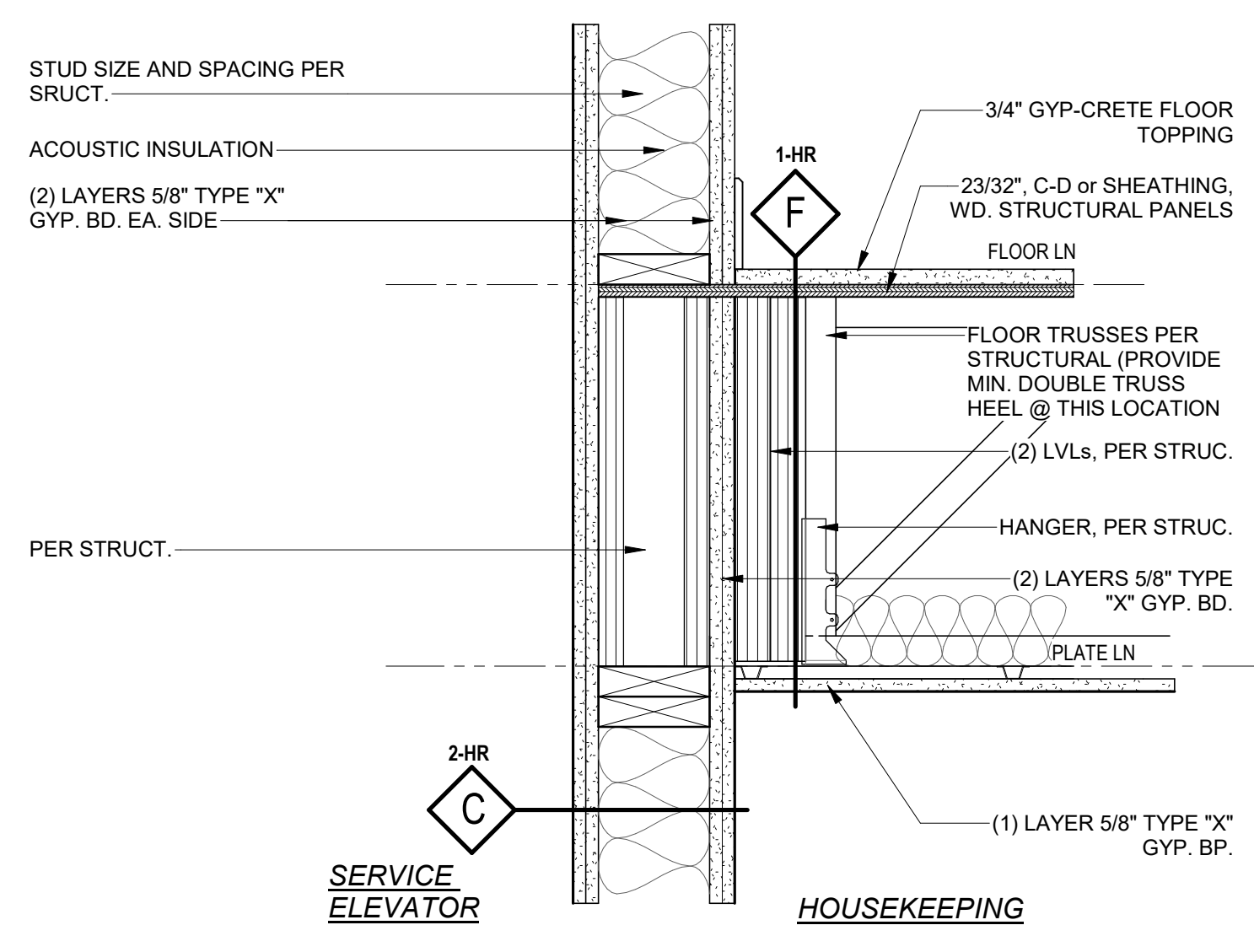
NOTES:
INSULATION (ECOTOUCH) 56 STC
SOUND TEST ASTM E90



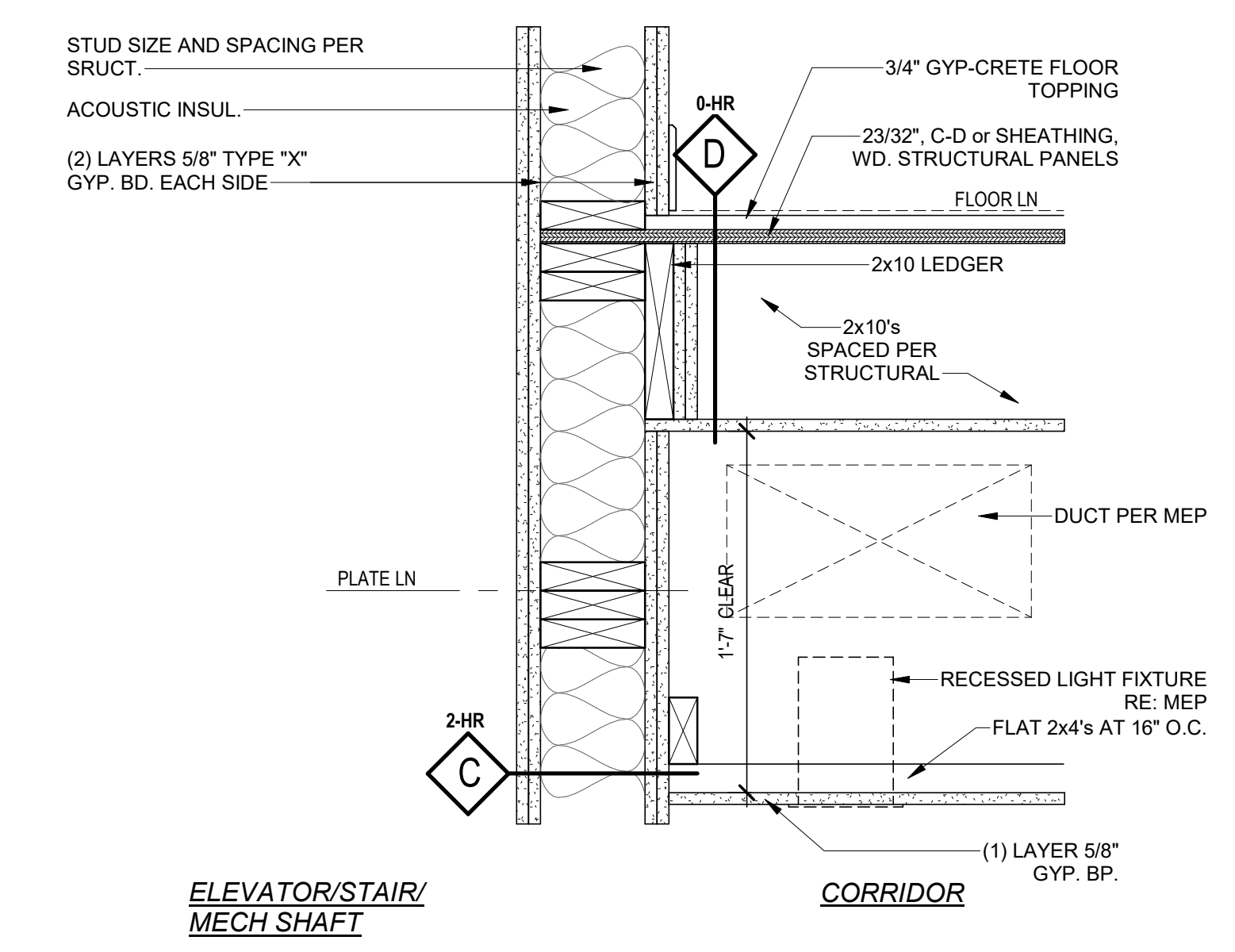
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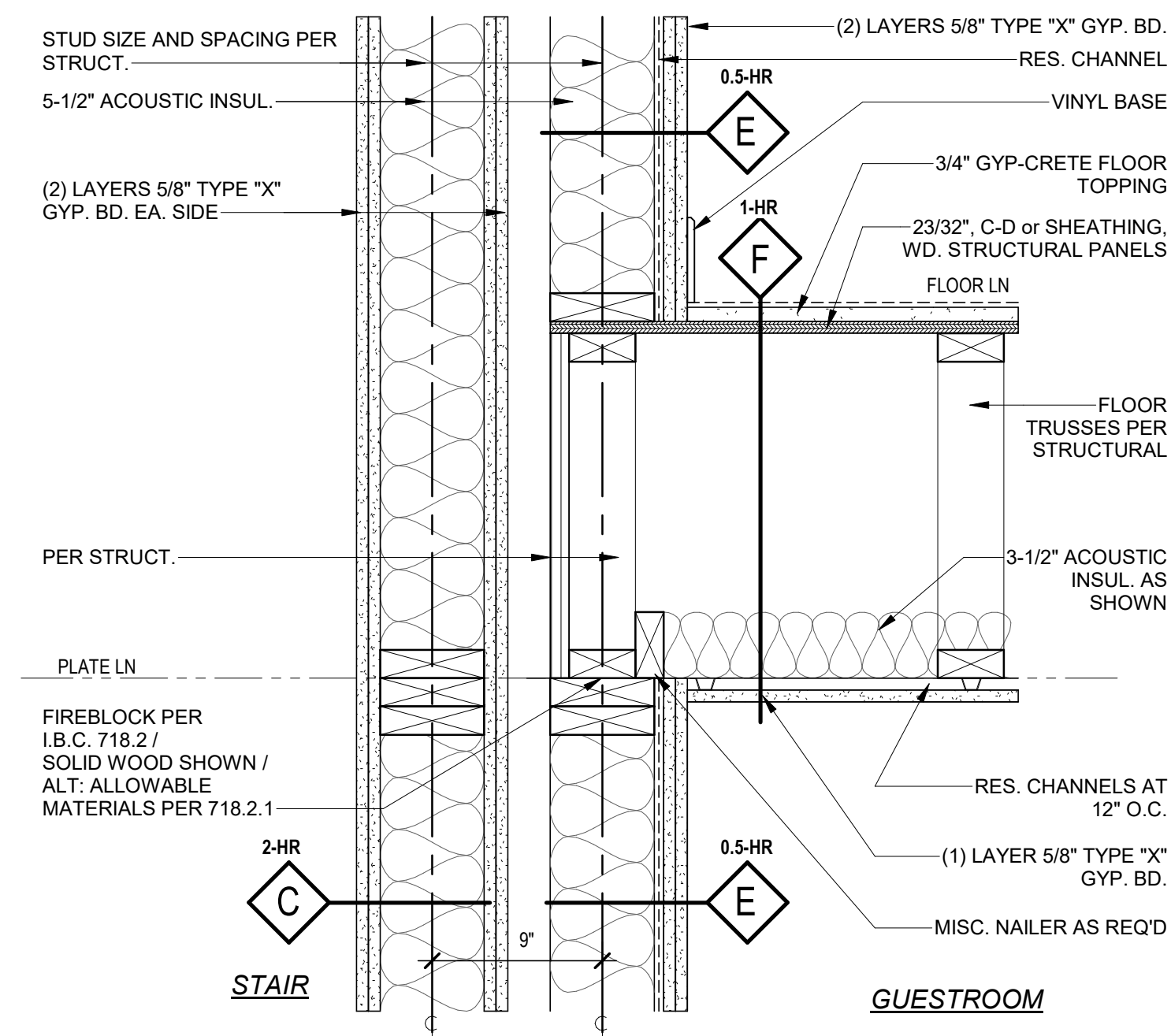
9 9-F/W GUESTROOM_STAIR-METAL
1 1/2" = 1'-0"



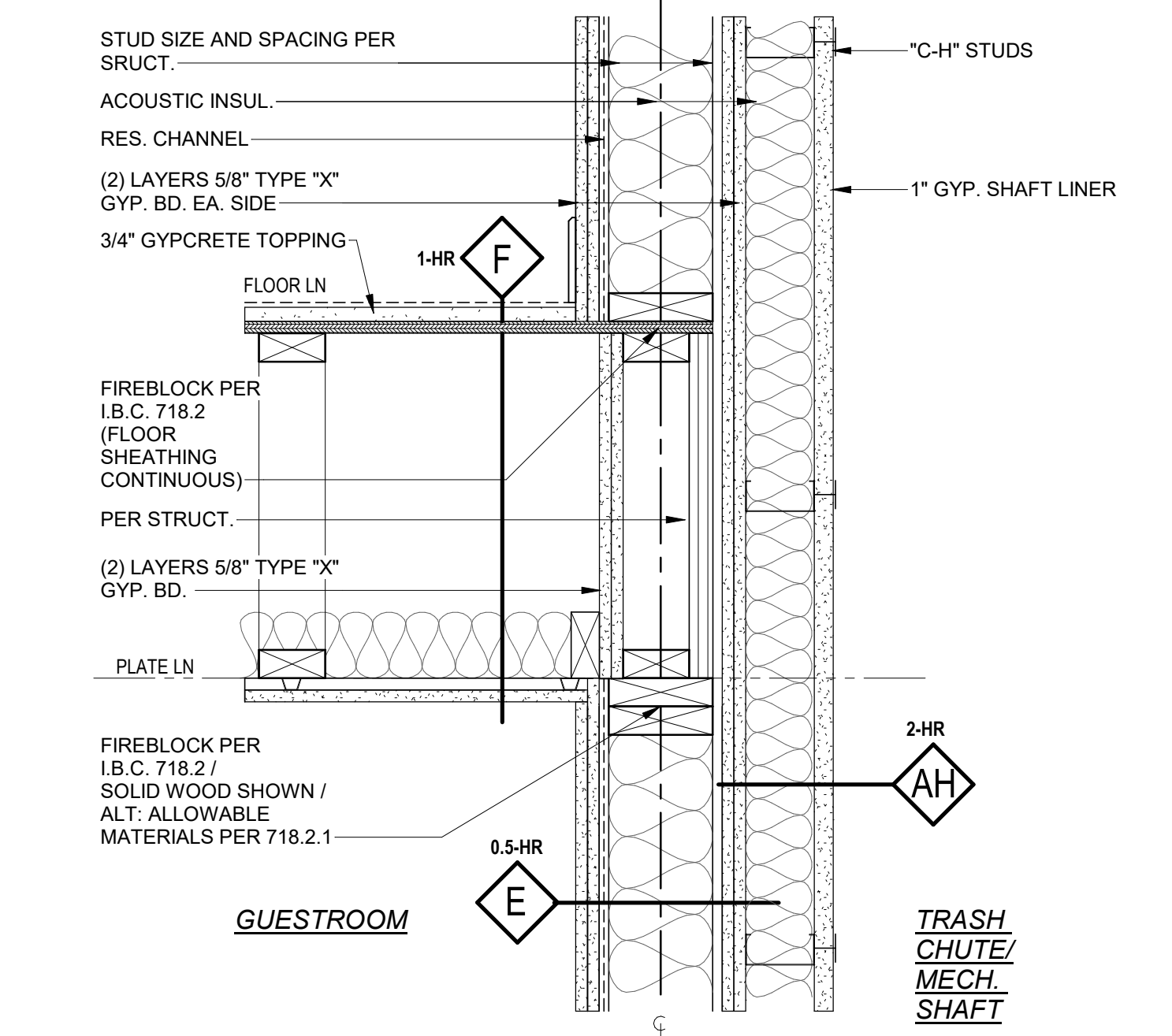
6 FLOOR/WALL DETAIL
1 1/2" = 1'-0"



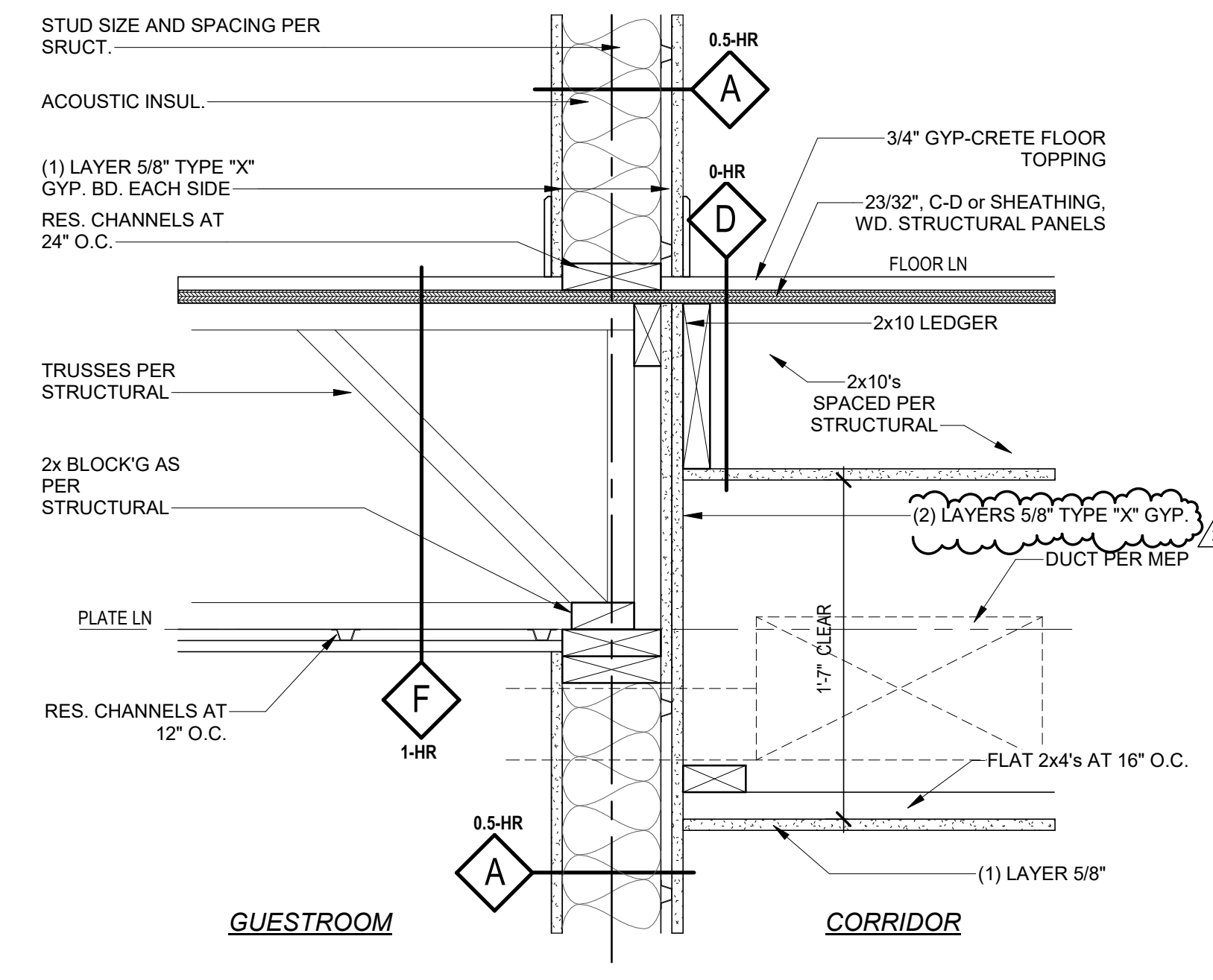
3 FLOOR/WALL DETAIL
1 1/2" = 1'-0"



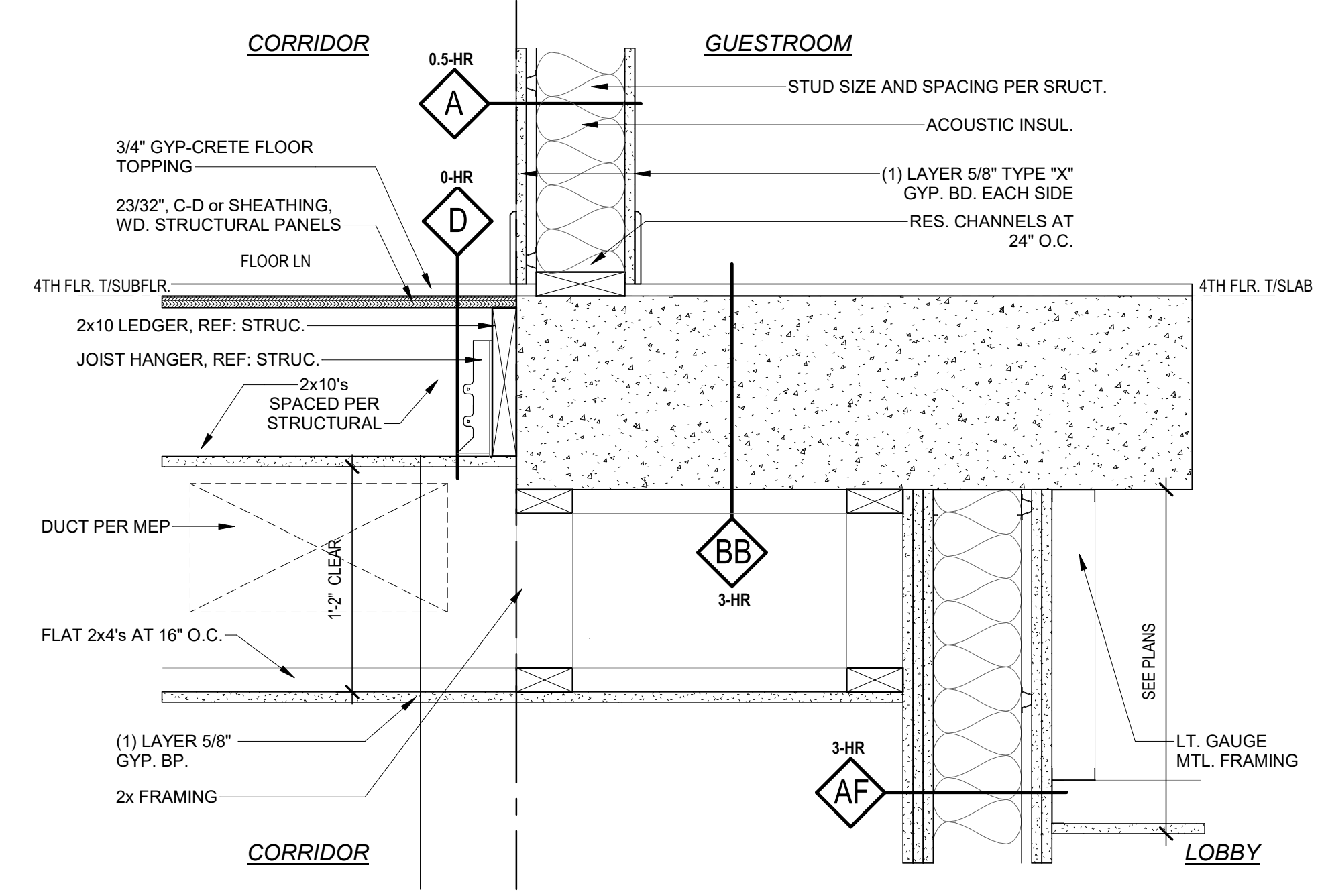
8 8-F/W GUESTROOM_STAIR
1 1/2" = 1'-0"



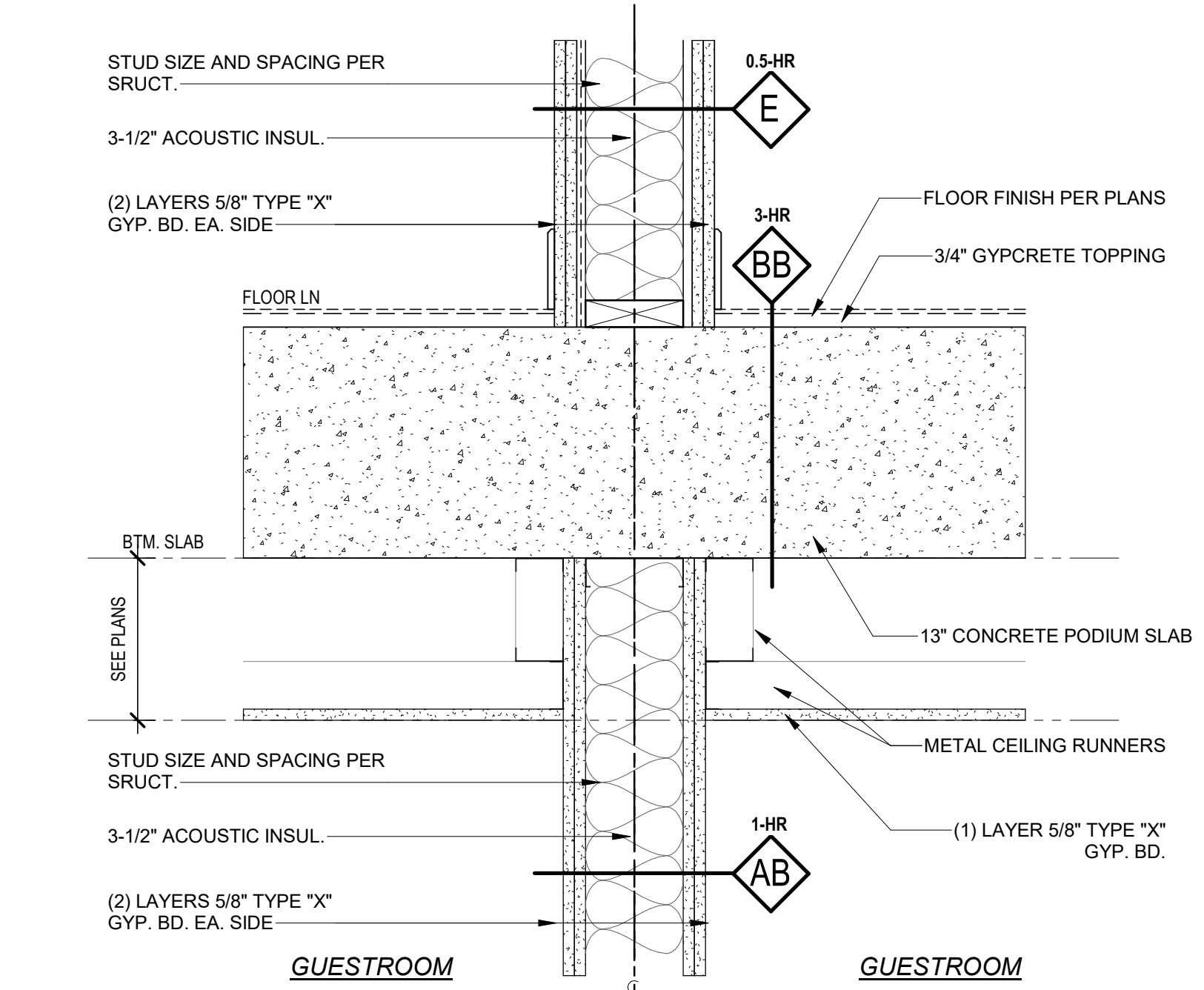
5 FLOOR/WALL DETAIL
1 1/2" = 1'-0"



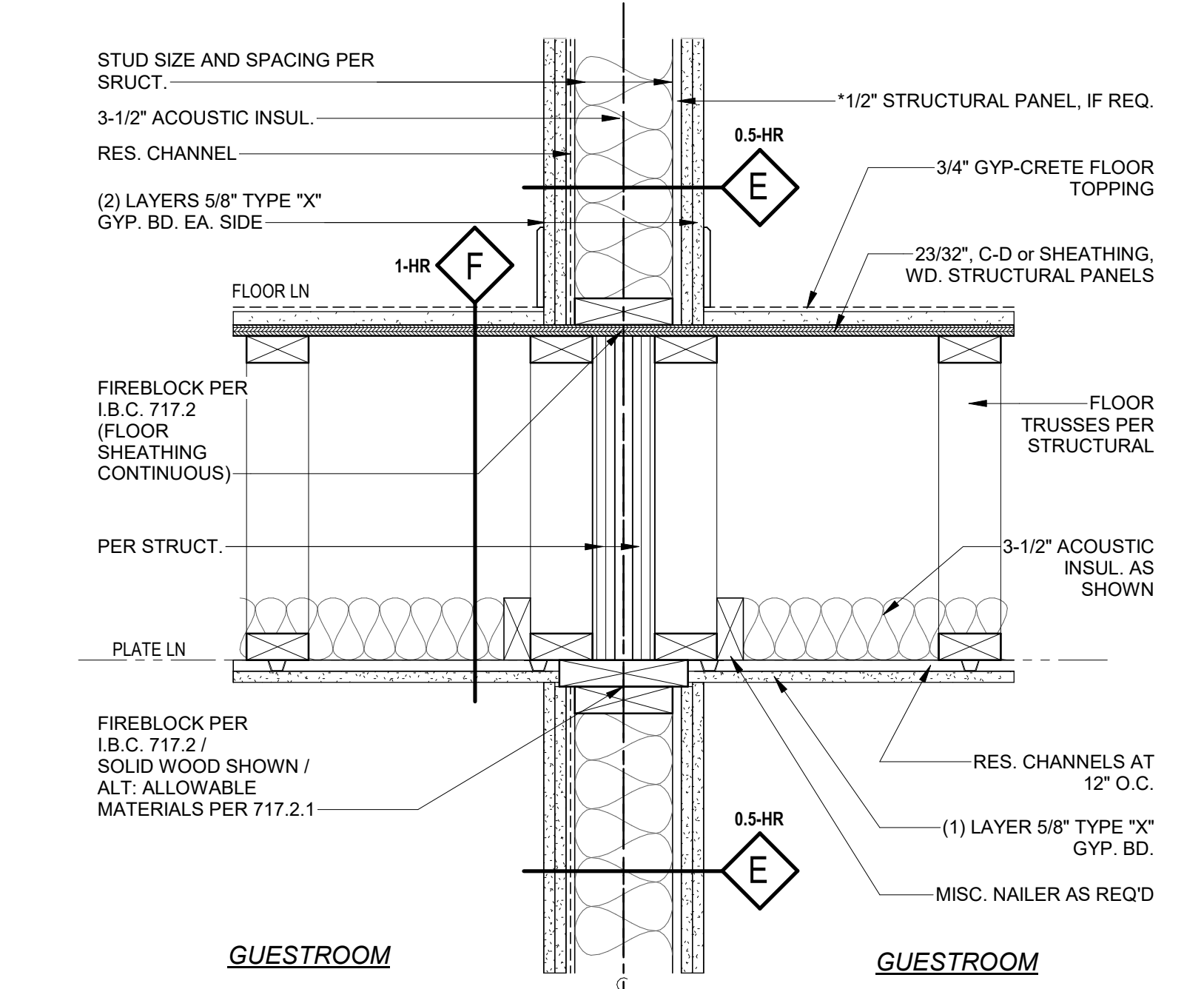
2 FLOOR/WALL DETAIL
1 1/2" = 1'-0"



7 FLOOR/WALL DETAIL
1 1/2" = 1'-0"



4 FLOOR/WALL DETAIL
1 1/2" = 1'-0"



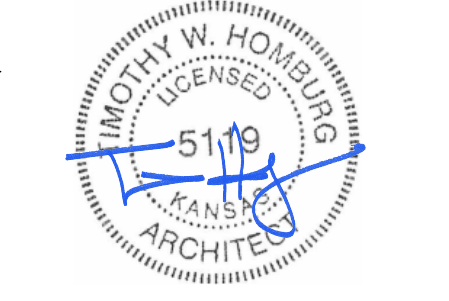
1 FLOOR/WALL DETAIL
1 1/2" = 1'-0"

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A NEW ELEMENT BY WESTIN FOR

MISSION GATEWAY

5931 ROELAND DR
MISSION, KANSAS

DRAWING RELEASE LOG

- 19 0626 - PERMIT SUBMITTAL
- 19 0814 - BID SET

REVISIONS:

- 3 19 0820 - PERMIT REVISION 1
- 3 19 0820 - ADDENDUM 1

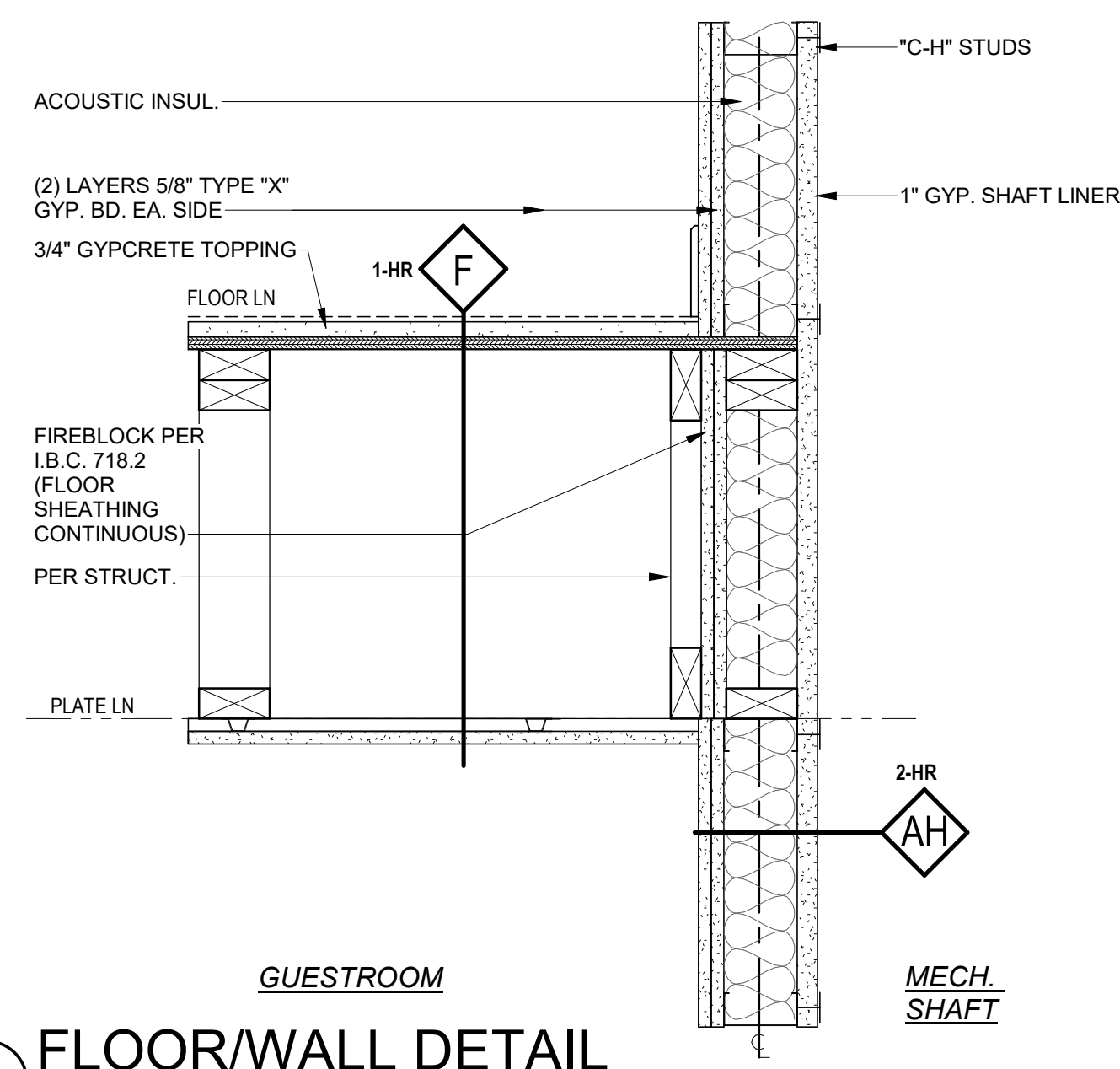
DATE:
06/26/19

JOB NO.
617918

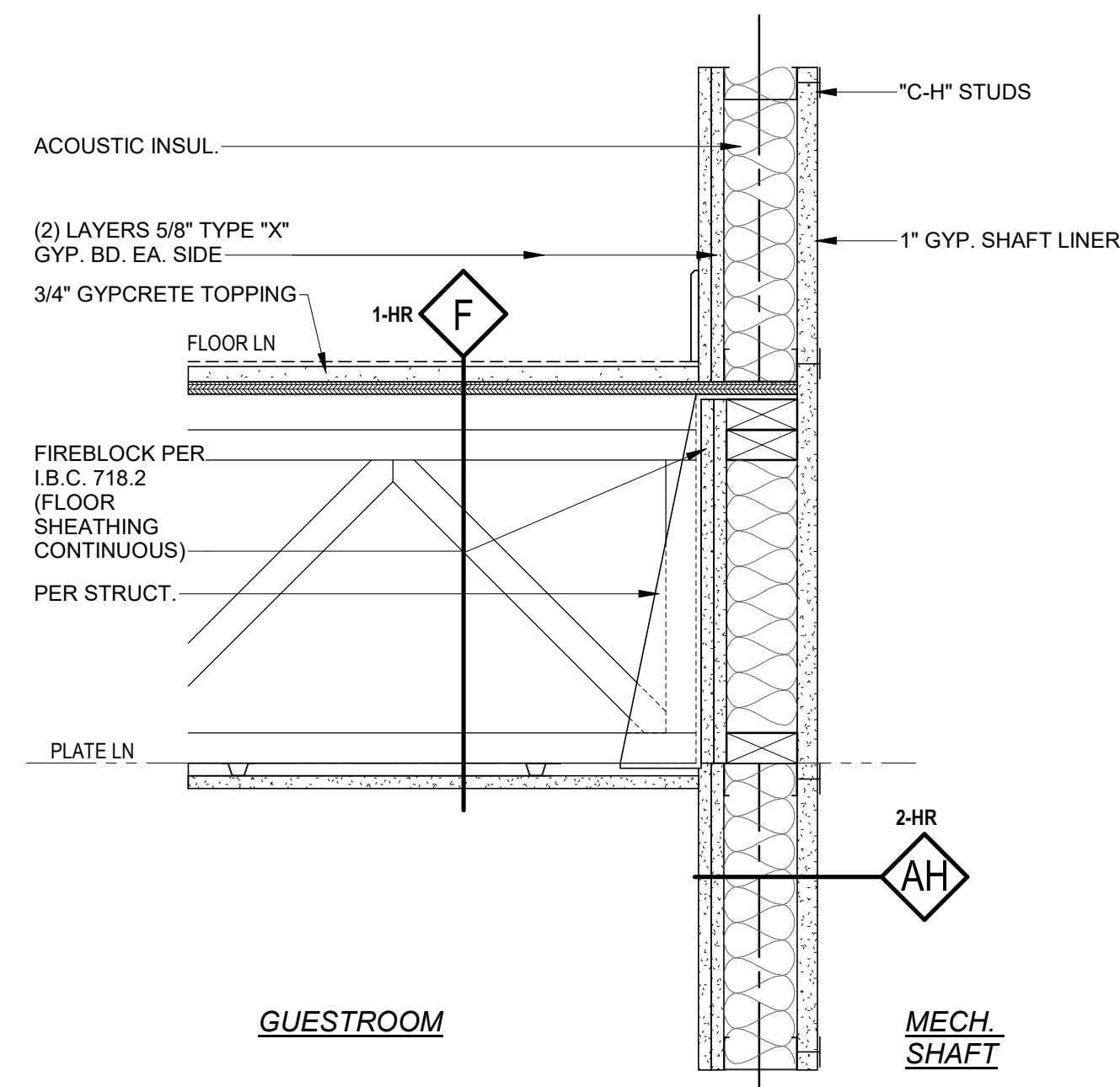
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TSC/SIW

SHEET NO.

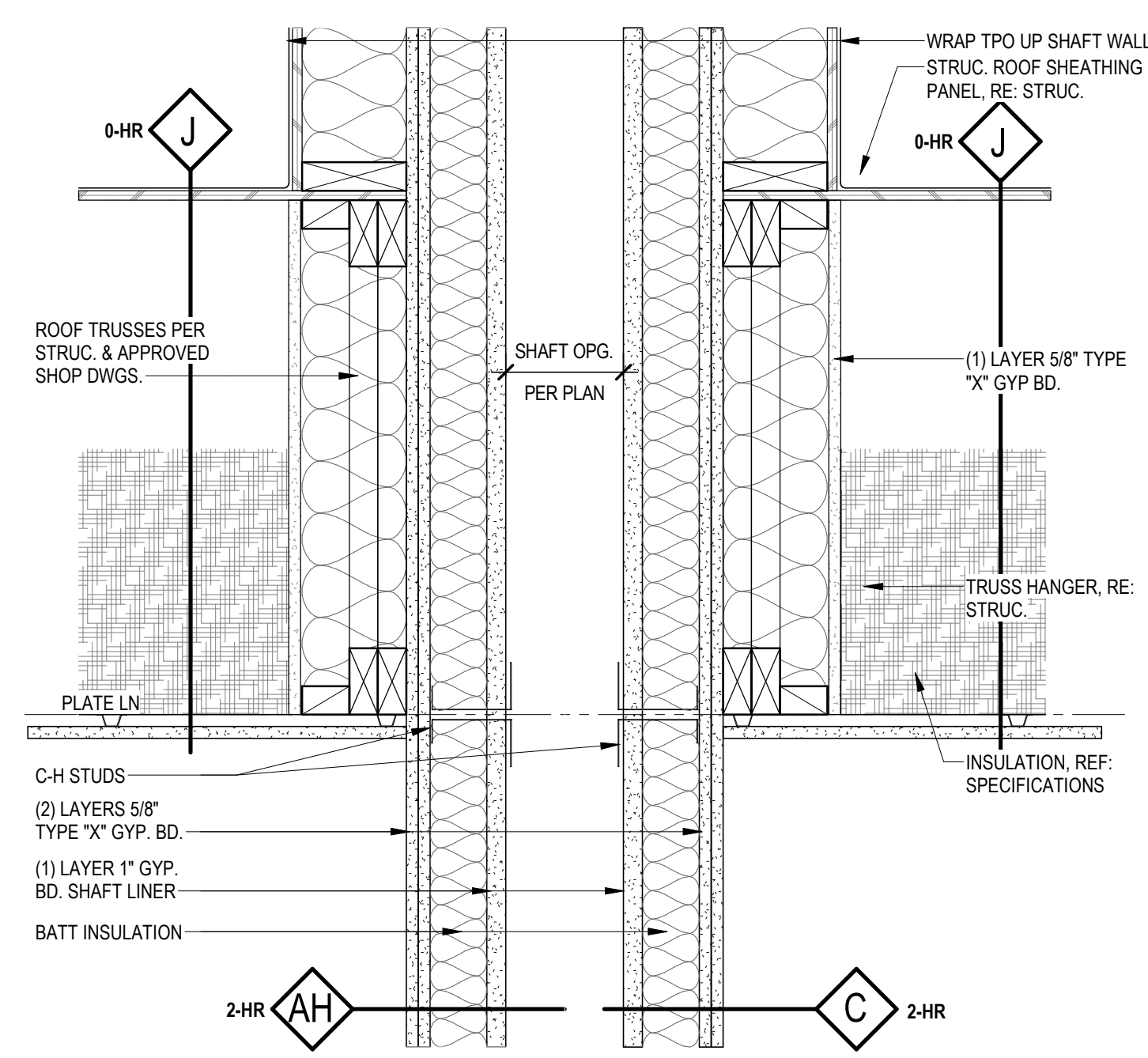
ARCH D 24' x 35'



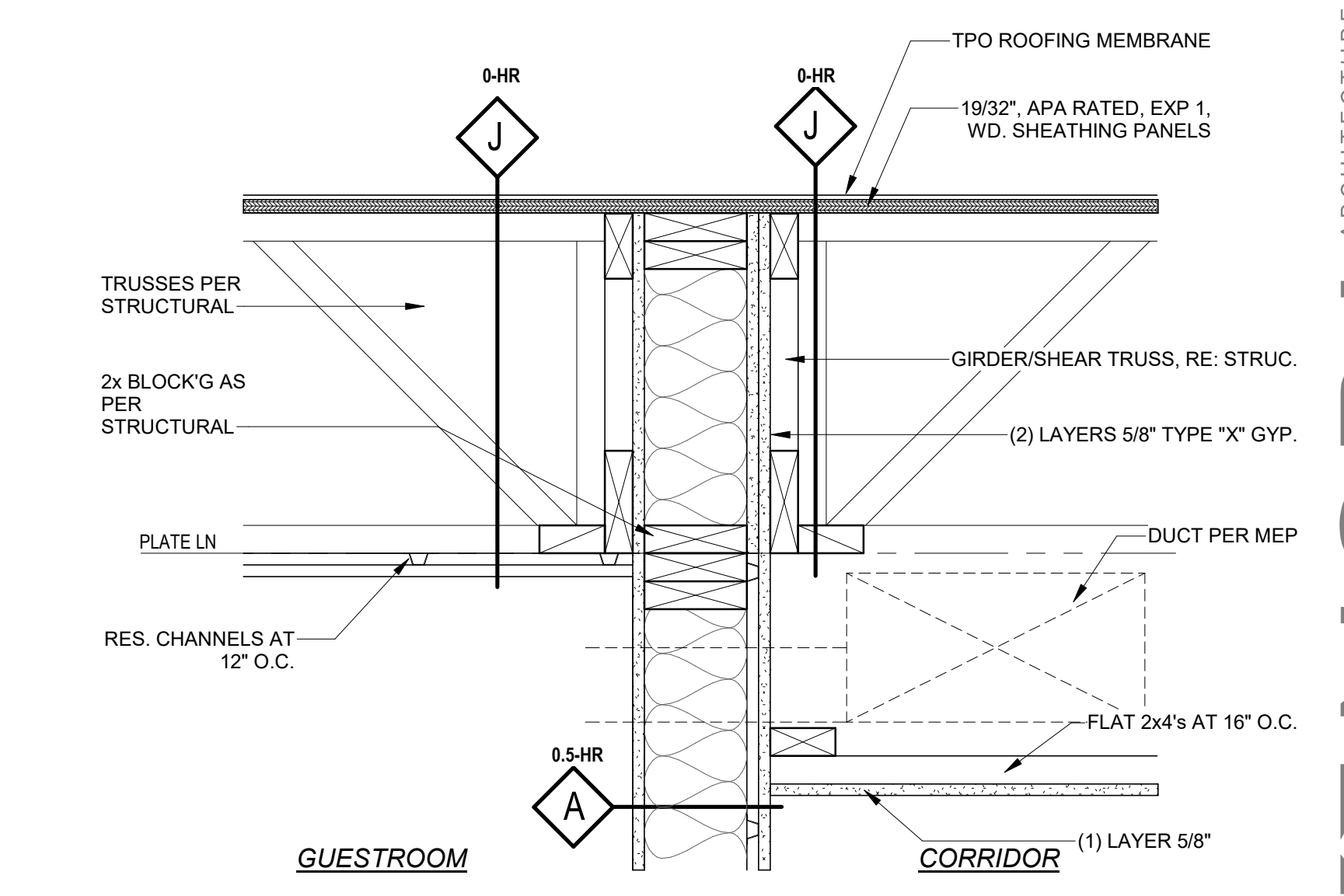
6 FLOOR/WALL DETAIL
1 1/2" = 1'-0"



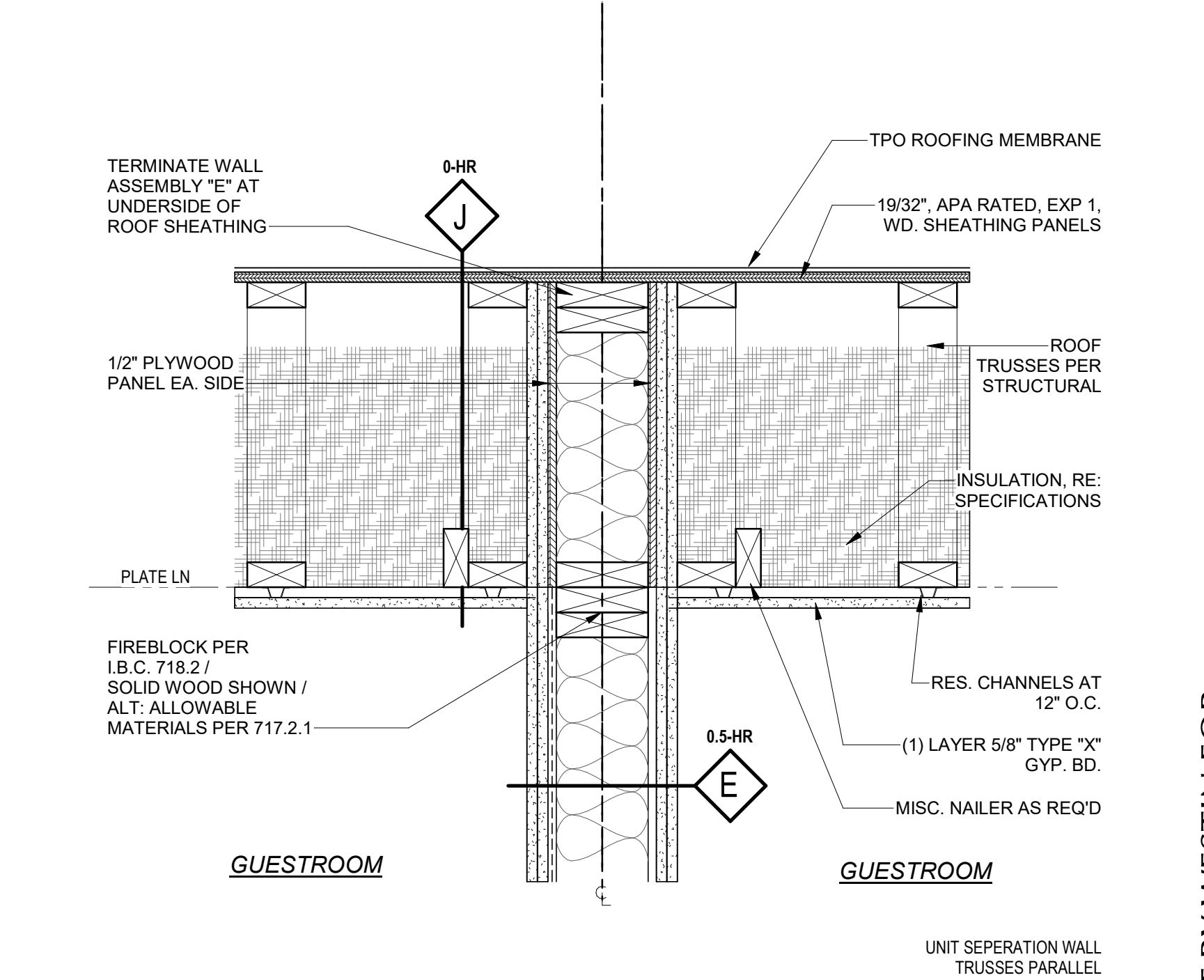
5 FLOOR/WALL DETAIL
1 1/2" = 1'-0"



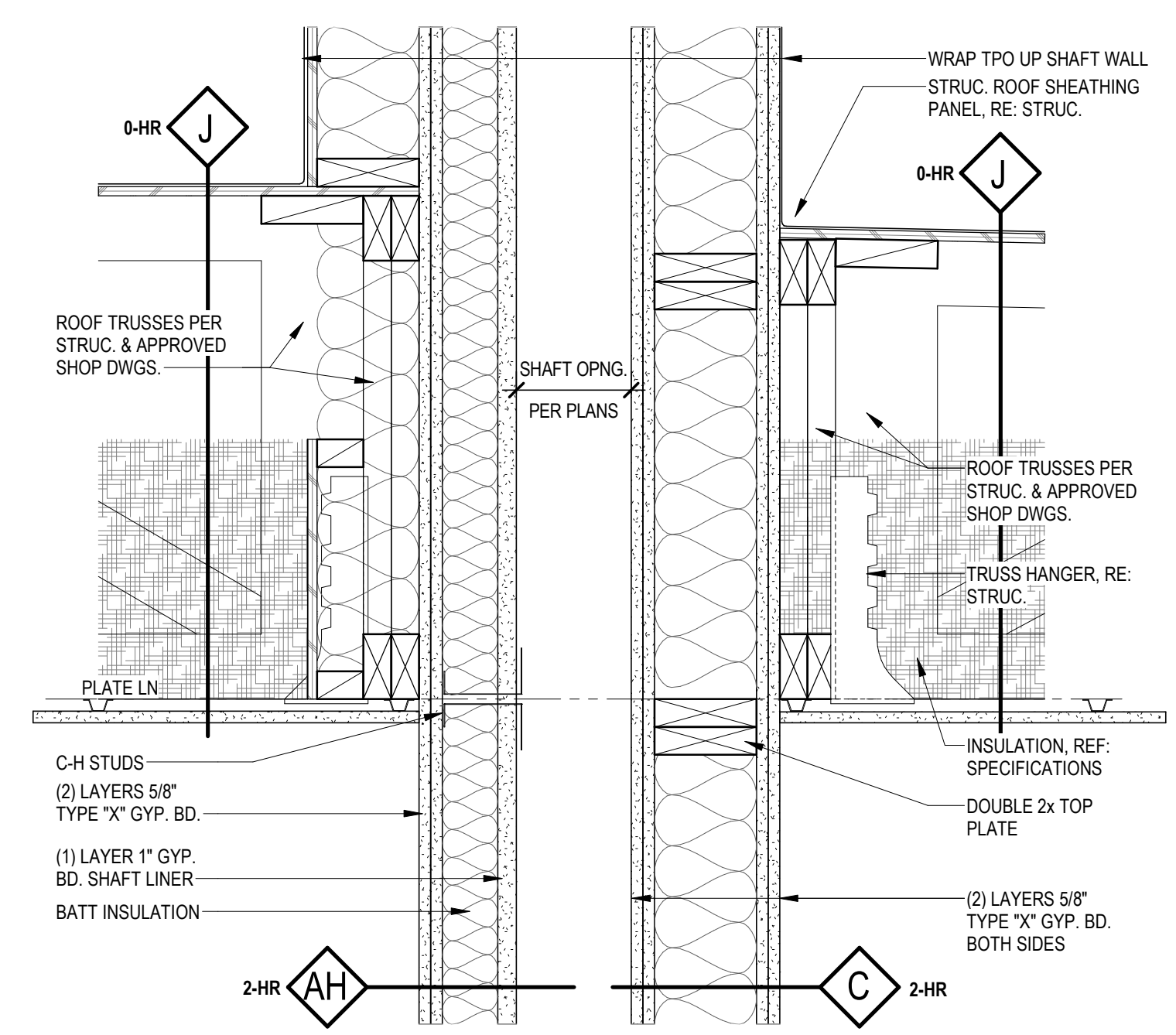
4 ROOF/WALL DETAIL
1 1/2" = 1'-0"



3 ROOF/WALL DETAIL
1 1/2" = 1'-0"



2 ROOF/WALL DETAIL
1 1/2" = 1'-0"



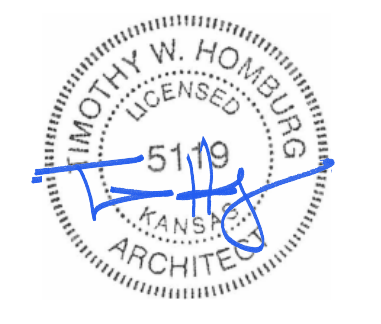
1 ROOF/WALL DETAIL
1 1/2" = 1'-0"

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A NEW ELEMENT BY WESTIN FOR

MISSION GATEWAY

5931 ROELAND DR
MISSION, KANSAS

DRAWING RELEASE LOG

- 19 0626 - PERMIT SUBMITTAL
- 19 0814 - BID SET

REVISIONS:

2	19 0820	PERMIT REVISION 1
3	19 0820	ADDENDUM 1

DATE:
06/26/19

JOB NO.
617918

DRAWN BY:
Author

SHEET NO.

A0.08

8/21/2019 4:50:43 PM

ACCESSIBILITY NOTES

HANDICAP ACCESSIBLE UNIT NOTES

HANDICAP ACCESSIBLE UNIT NOTES REFERENCE ICC A117.1-2009, UNITS DESIGNATED ON THE PLANS AS ACCESSIBLE UNITS SHALL MEET ALL APPLICABLE REQUIREMENTS OF ICC A117.1 1003 "ACCESSIBLE UNITS".

A.1 PRIMARY ENTRANCE AND USER PASSAGE DOORS (ICC A117.1 1003.5 & 404)

- A.1.1 PRIMARY ENTRANCE SHALL BE ON AN ACCESSIBLE ROUTE PER ICC A117.1 1003.2.
- A.1.2 DOORWAY CLEAR WIDTH SHALL BE 32" MIN PER ICC A117.1 404.2.2.
- A.1.3 MANEUVERING CLEARANCES FOR SWINGING DOORS SHALL BE PROVIDED PER ICC A117.1 TABLE 404.2.3.2. MANEUVERING CLEARANCES FOR SLIDING AND FOLDING DOORS SHALL BE PROVIDED PER ICC A117.1 TABLE 404.2.3.3.
- A.1.4 THRESHOLDS SHALL BE 1/2" MAX. IN HEIGHT PER ICC A117.1 404.2.4. CHANGES IN LEVEL AT THRESHOLD SHALL COMPLY WITH ICC A117.1 303.2 OR 303.3
- A.1.5 DOOR HARDWARE SHALL COMPLY WITH ICC A117.1 404.2.6. OPERABLE PARTS SHALL BE EASY TO GRASP AND EASILY OPERABLE, AND SHALL BE 34" MIN. AND 48" MAX. ABOVE THE FLOOR.
- A.1.6 DOOR CLOSING SPEED SHALL COMPLY WITH ICC A117.1 404.2.7. DOOR CLOSERS SHALL COMPLY WITH ICC A117.1 404.2.7.1. DOOR SPRING HINGES SHALL COMPLY WITH A117.1 404.2.7.2.
- A.1.7 DOOR OPENING FORCE SHALL COMPLY WITH A117.1 404.2.8 (5 LB MAX.) A.1.7 DOOR OPENING FORCE SHALL COMPLY WITH A117.1 404.2.8 (5 LB MAX.).
- A.1.8 DOOR SURFACE SHALL COMPLY WITH ICC A117.1 404.2.9. SURFACES WITHIN 10" OF THE FLOOR, ON THE PUSH SIDE, SHALL BE A SMOOTH SURFACE EXTENDING THE FULL WIDTH OF THE DOOR.
- A.1.9 A PEEP HOLE SHALL BE PROVIDED PER A117.1 1006.5.2.
- A.1.10 COMMUNICATION FEATURES SHALL BE PROVIDED AT THE UNIT PRIMARY ENTRANCE PER A117.1 1006.5.1

A.2 OPERABLE PARTS (ICC A117.1 1002.9)

- A.2.1 LIGHTING CONTROLS
 - * ELECTRICAL PANELBOARDS
 - * ELECTRICAL SWITCHES AND RECEPTACLE OUTLETS
 - * ENVIRONMENTAL CONTROLS
 - * APPLIANCE CONTROLS
 - * OPERATING HARDWARE FOR OPERABLE WINDOWS
 - * PLUMBING FIXTURE CONTROLS
 - * USER CONTROLS FOR SECURITY OR INTERCOM SYSTEMS SHALL COMPLY WITH ICC A117.1 309.

- A.2.2 CLEAR FLOOR SPACE SHALL COMPLY WITH A117.1 305.
- A.2.3 HEIGHT SHALL COMPLY WITH ONE OR MORE OF THE REACH RANGES SPECIFIED IN ICC A117.1 308.
- A.2.4 OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS OTHER THAN GAS PUMP NOZZLES SHALL BE 5.0 POUNDS MAXIMUM PER ICC A117.1 309.4

A.3 LAUNDRY EQUIPMENT (A117.1 1002.10)

- A.3.1 A CLEAR FLOOR SPACE COMPLYING WITH ICC A117.1 305 POSITIONED FOR PARALLEL APPROACH SHALL BE PROVIDED FOR TOP LOADING MACHINES. THE CLEAR FLOOR SPACE SHALL BE CENTERED ON THE APPLIANCE. FOR FRONT LOADING MACHINES, THE CENTERLINE OF THE CLEAR FLOOR SPACE SHALL BE OFFSET 24" MAXIMUM FROM THE CENTERLINE OF THE DOOR OPENING.
- A.3.2 OPERABLE PARTS SHALL COMPLY WITH ICC A117.1 309.
- A.3.3 HEIGHT SHALL COMPLY WITH ICC A117.1 611.4. TOP LOADING MACHINES SHALL BE 36" MAX. TO THE DOOR. FRONT LOADING DOORS SHALL BE BETWEEN 15" AND 36" TO THE BOTTOM OF THE DOOR.

A.4 TOILET AND BATHING FACILITIES (ICC A117.1 1002.11)

- A.4.1 AT LEAST ONE TOILET AND BATHING FACILITY SHALL COMPLY WITH ICC A117.1 1002.11.2
- A.4.2 ALL TOILET AND BATHING FACILITIES SHALL COMPLY WITH ICC A117.1 1002.11.1.
- A.4.3 GRAB BARS & SHOWER SEAT SHALL BE INSTALLED PER ICC A117.1 607.4. SEE DIAGRAMS AND THIS SHEET, FOR TYPICAL LOCATIONS AND HEIGHTS.

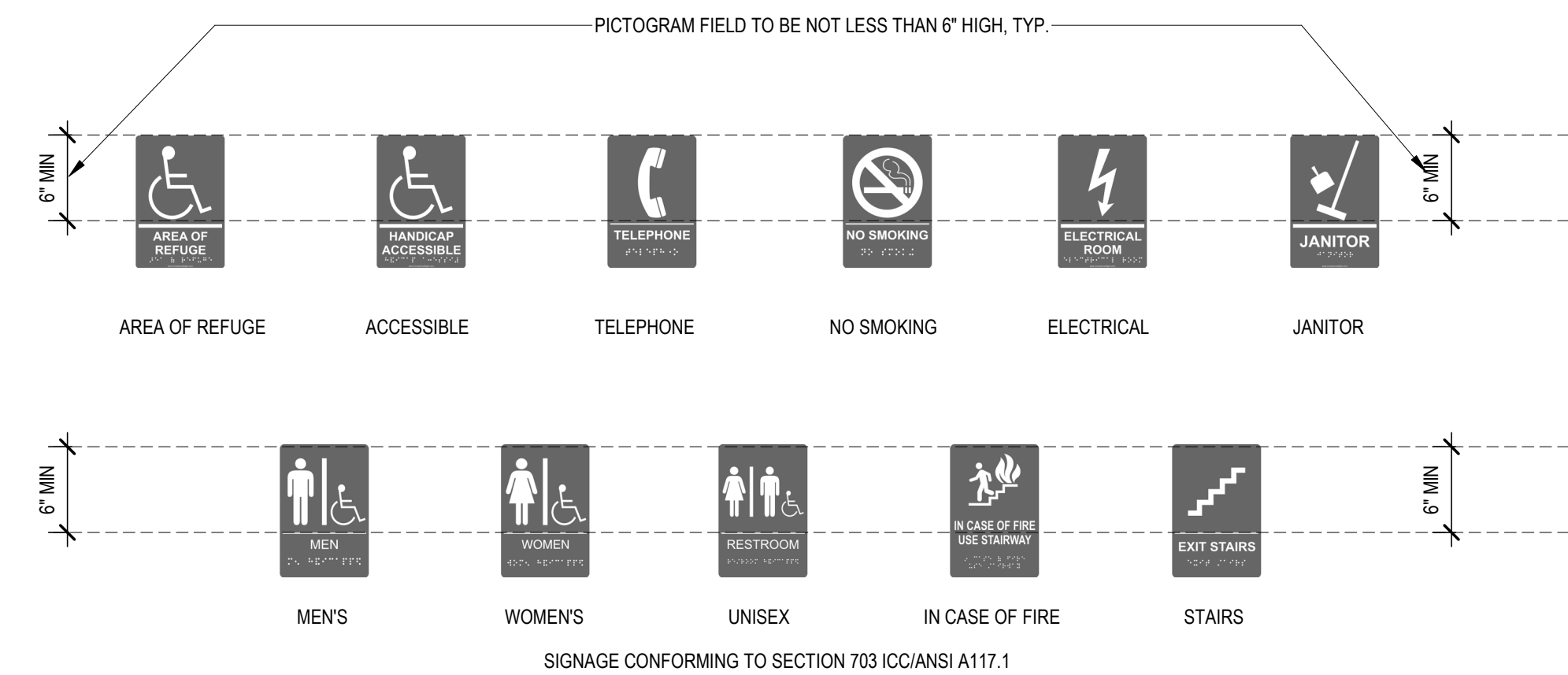
HANDICAP ACCESSIBLE UNIT NOTES

(CONTINUED)

- A.4.4 LAVATORY CLEAR FLOOR SPACE SHALL BE 30"x48" AND POSITIONED FOR FORWARD APPROACH. KNEE AND TOE CLEARANCES PER ICC A117.1 306 SHALL BE PROVIDED (ICC A117.1 606.2).
- A.4.5 LAVATORY HEIGHT SHALL BE 34" MAX. (ICC A117.1 606.3).
- A.4.6 LAVATORY CABINETRY SHALL BE PERMITTED "IF" THE CABINETRY IS EASILY REMOVABLE. THE FINISH FLOORING IS CARRIED UNDER, AND THE WALL BEHIND IS FINISHED (ICC A117.1 1003.11.2.2).
- A.4.7 MIRRORS ABOVE ACCESSIBLE LAVATORIES SHALL HAVE A BOTTOM EDGE 40" MAX. ABOVE THE FLOOR PER ICC A117.1 1003.11.2.3
- A.4.8 WATER CLOSET POSITION SHALL BE WITH A WALL TO THE REAR AND 1 SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16"-18" FROM THE SIDE WALL (ICC A117.1 1003.11.2.4.1)
- A.4.9 WATER CLOSET CLEARANCE SHALL BE 60" MIN. IN WIDTH MEASURED PERPENDICULAR FROM THE SIDE WALL AND 56" MIN. IN DEPTH MEASURED PERPENDICULAR FROM THE REAR WALL. (ICC A117.1 1003.11.2.4.2 & 1003.11.2.4.3)
- A.4.10 WATER CLOSET HEIGHT SHALL BE A MIN. 15" AND A MAX 19" ABOVE THE FLOOR, MEASURED TO THE TOP OF THE SEAT. (ICC A117.1 1003.11.2.4.5)
- A.4.11 WATER CLOSET FLUSH CONTROLS SHALL COMPLY WITH ICC A117.1 SECTION 309. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET. (ICC A117.1 1003.11.2.4.6)
- A.4.12 THE ACCESSIBLE BATHING FIXTURE SHALL BE A BATHTUB COMPLYING WITH ICC A117.1 1003.12.5.1 & 607, OR A SHOWER COMPARTMENT COMPLYING WITH SECTION 1003.11.2.5.2 & 608.
- A.4.13 BATHTUB SEATS SHALL BE INSTALLED PER ICC A117.1 607.3
- A.4.14 BATHTUB CONTROLS SHALL BE LOCATED ON AN END WALL BETWEEN THE GRAB BAR AND THE BATHTUB RIM, AND BETWEEN THE OPEN SIDE OF THE BATHTUB AND THE CENTERLINE OF THE BATHTUB WIDTH PER ICC A117.1 607.5.
- A.4.15 BATHTUB HAND SHOWER SHALL BE PROVIDED PER ICC A117.1 607.6.
- A.4.16 BATHTUB ENCLOSURES SHALL COMPLY WITH ICC A117.1 SECTION 607.7.
- A.4.17 BATHTUB WATER TEMPERATURE SHALL BE 120 DEGREES FAHRENHEIT MAX. PER ICC A117.1 SECTION 607.8.
- A.4.18 SHOWERS SHALL COMPLY WITH ICC A117.1 SECTION 608.

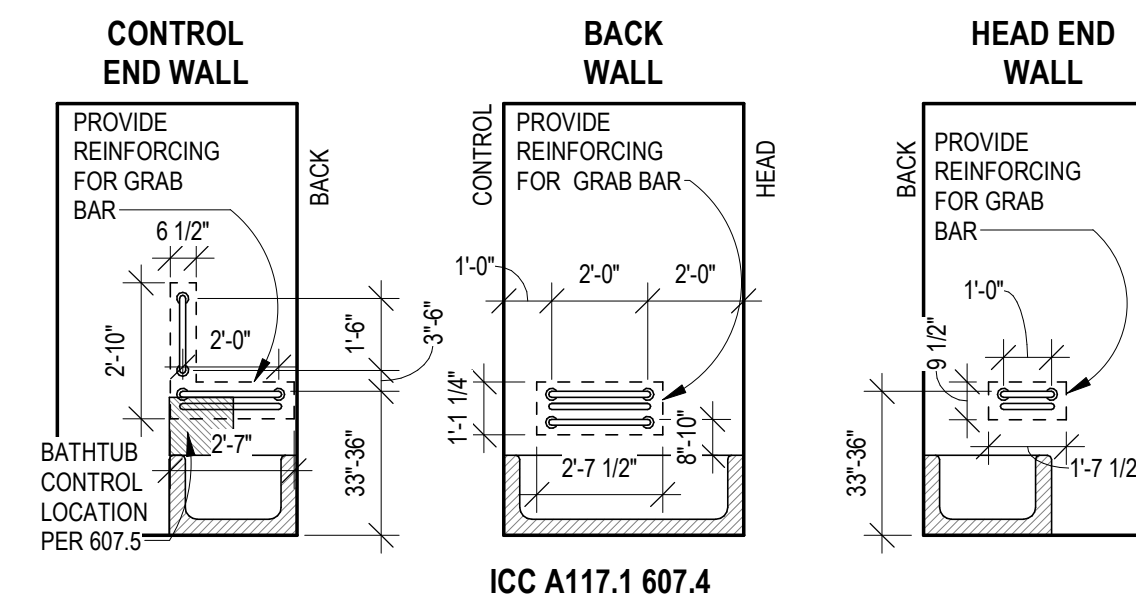
A.5 KITCHENS (ICC A117.1 1002.12)

- A.5.1 CLEARANCES SHALL COMPLY WITH ICC A117.1 1003.12.1. CLEARANCE BETWEEN ALL OPPOSING BASE CABINETS, COUNTER TOPS, APPLIANCES, OR WALLS WITHIN KITCHEN WORK AREAS SHALL BE 40" MINIMUM. IN U-SHAPED KITCHENS THIS CLEARANCE SHALL BE 60" MINIMUM.
- A.5.2 A WORK SURFACE 30" MIN. IN LENGTH, AND 34" MAX. IN HEIGHT, AND COMPLYING WITH 1003.12.3 SHALL BE PROVIDED.
- A.5.3 WORK SURFACE CLEAR FLOOR SPACE SHALL BE 30"x48" AND POSITIONED FOR FORWARD APPROACH. KNEE AND TOE CLEARANCES PER ICC A117.1 306 SHALL BE PROVIDED. CLEAR FLOOR SPACE SHALL BE CENTERED ON THE WORK SURFACE (ICC A117.1 1003.12.3.1).
- A.5.4 WORK SURFACE CABINETRY SHALL BE PERMITTED "IF" THE CABINETRY IS EASILY REMOVABLE. THE FINISH FLOORING IS CARRIED UNDER, AND THE WALL BEHIND IS FINISHED (ICC A117.1 1003.12.3.1).
- A.5.5 WORK SURFACE HEIGHT SHALL BE 34" MAX. UNLESS ADJUSTABLE PER ICC A117.1 SECTION 1003.12.3.2.
- A.5.6 A SINK COMPLYING WITH 1003.12.4 SHALL BE PROVIDED.
- A.5.7 SINK CLEAR FLOOR SPACE SHALL BE 30"x48" AND POSITIONED FOR FORWARD APPROACH. KNEE AND TOE CLEARANCES PER A117.1 306 SHALL BE PROVIDED. (ICC A117.1 1003.12.4.1).
- A.5.8 SINK CABINETRY SHALL BE PERMITTED "IF" THE CABINETRY IS EASILY REMOVABLE. THE FINISH FLOORING IS CARRIED UNDER, AND THE WALL BEHIND IS FINISHED (ICC A117.1 1003.12.4.1 EXCEPTION 2).
- A.5.9 SINK HEIGHT SHALL BE 34" MAX. (ICC A117.1 1003.12.4.2).
- A.5.10 THE DISHWASHER SHALL HAVE A CLEAR FLOOR SPACE ADJACENT TO THE DISHWASHER DOOR. AN OPEN DOOR SHALL NOT OBSTRUCT THE CLEAR FLOOR SPACE FOR THE DISHWASHER OR AN ADJACENT SINK. (ICC A117.1 1003.12.5.3).
- A.5.11 THE COOKTOP SHALL COMPLY WITH SECTION 1003.12.5.4
- A.5.12 THE OVEN SHALL HAVE A CLEAR FLOOR SPACE PROVIDED. THE OVEN DOOR IN THE OPEN POSITION SHALL NOT OBSTRUCT THE CLEAR FLOOR SPACE FOR THE OVEN (ICC A117.1 1003.12.5.5.1).
- A.5.13 THE LOCATION OF COOKTOP AND OVEN CONTROLS SHALL NOT REQUIRE REACHING ACROSS BURNERS. (1003.12.5.4.4 & 1003.12.5.4.4)
- A.5.14 THE REFRIGERATOR SHALL HAVE A CLEAR FLOOR SPACE PROVIDED. THE CENTERLINE OF THE CLEAR FLOOR SPACE SHALL BE OFFSET 24" MAX. FROM THE CENTERLINE OF THE APPLIANCE. COMBINATION REFR. FREEZERS SHALL HAVE MIN. 50% OF THE FREEZER SHELVES 54" MAX. ABOVE THE FLOOR (ICC A117.1 1003.12.6.6).



1 CONFORMING STANDARDS

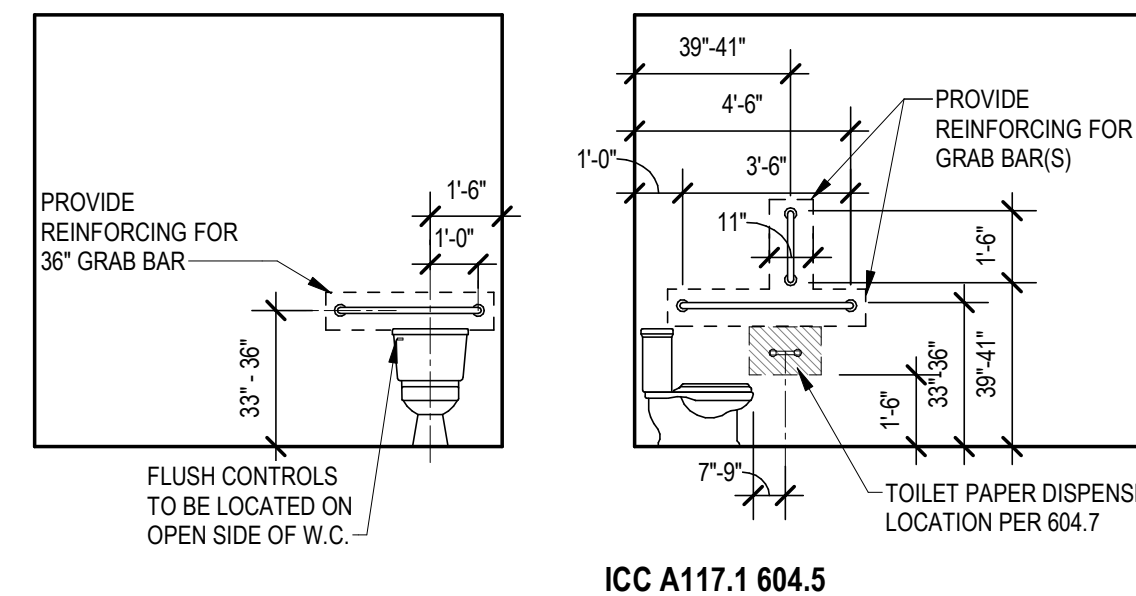
1/4" = 1'-0"



1. SEE "ACCESSIBLE" HANDICAP A. NOTES ON "REINFORCEMENT" (NOTE B.5.2 AND NOTE A.4.3, THIS SHEET)
2. PROVIDE AT ACCESSIBLE UNITS PER PLANS
3. PROVIDE AT PUBLIC RESTROOMS PER PLANS

2 BATHTUB GRAB BAR REINF.

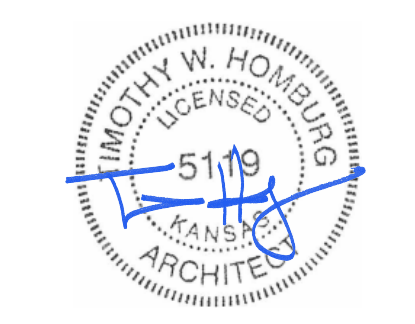
1/4" = 1'-0"

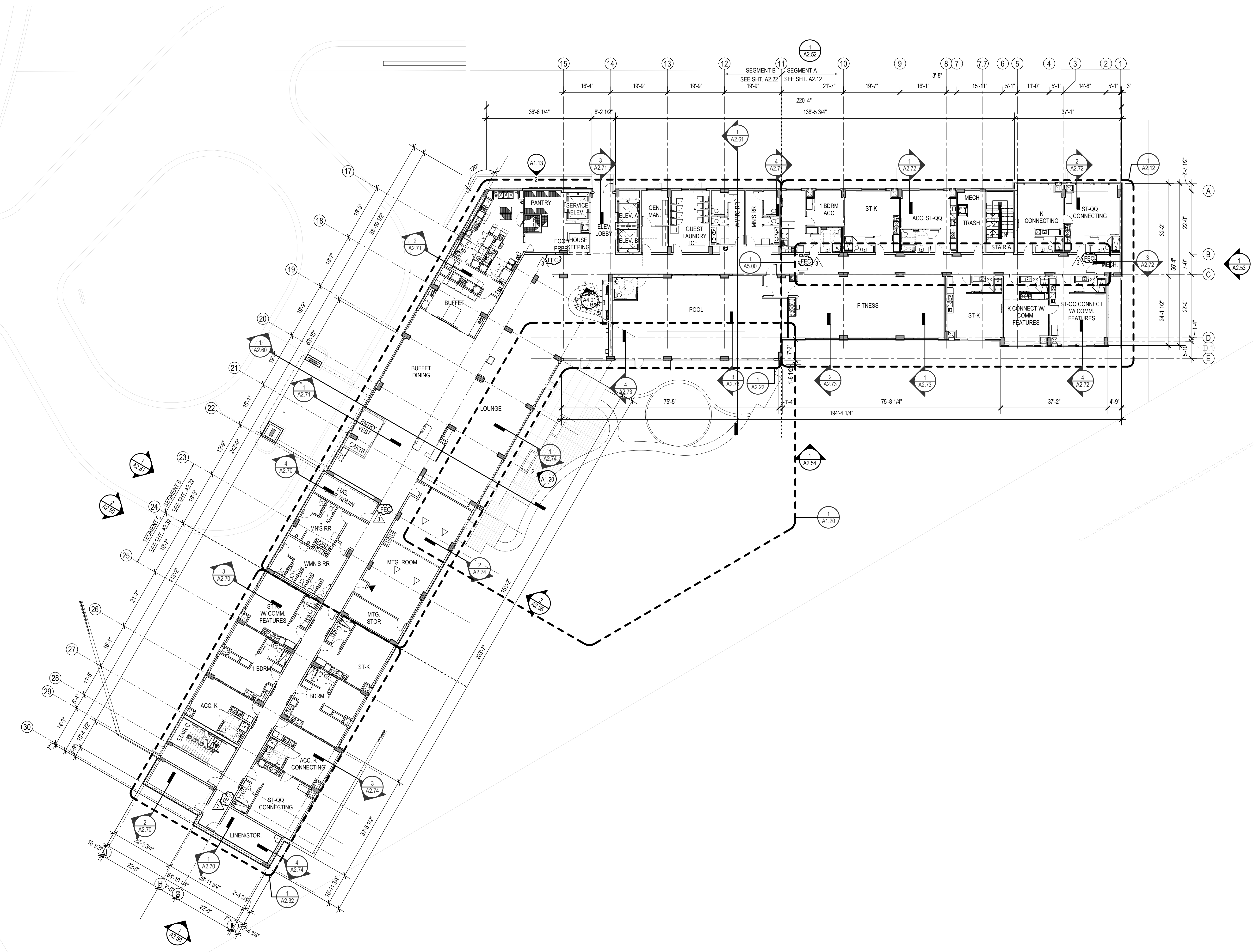


1. SEE "ACCESSIBLE" HANDICAP A. NOTES ON "REINFORCEMENT" (NOTE B.5.2 AND NOTE A.4.3, THIS SHEET)
2. PROVIDE AT ACCESSIBLE UNITS PER PLANS
3. PROVIDE AT PUBLIC RESTROOMS PER PLANS

3 W.C. GRAB BAR REINF.

1/4" = 1'-0"





REFERENCE NOTES

1. REFER TO 300 SERIES DRAWINGS FOR ENLARGED PUBLIC SPACE PLANS AND DETAILS
2. REFER TO 500 SERIES FOR GUESTROOM PLANS AND DETAILS
3. REFER TO VOLUME 5-BUILDING PRODUCT MANUAL-PUBLIC SPACE FOR INFORMATION RELATED TO ITEMS ON THIS SHEET.
4. REFER TO VOLUME 7-INTERIOR DESIGN SPECIFICATION MANUAL FOR INFORMATION RELATED TO ITEMS ON THIS SHEET.

GENERAL NOTES

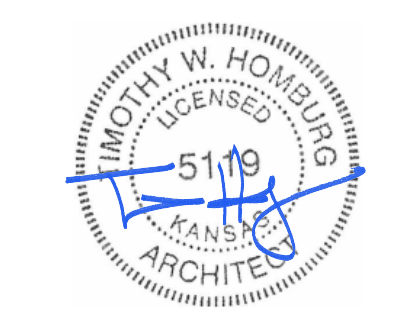
1. G.C. TO PROVIDE BLOCKING AND/OR STRAPPING FOR ALL ITEMS ATTACHED TO WALLS OR MOUNTED TO CEILING.
2. EXTERIOR DIMENSIONS ARE TO FACE OF SHEATHING, UNLESS OTHERWISE NOTED.
3. INTERIOR DIMENSIONS ARE TO FACE OF STUD, UNLESS OTHERWISE NOTED.

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MISSION GATEWAY

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- 19 0814 - BID SET

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3 19 0820 ADDENDUM 1

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SHEET NO.

1 OVERALL LEVEL 2 PLAN
1/16" = 1'-0"

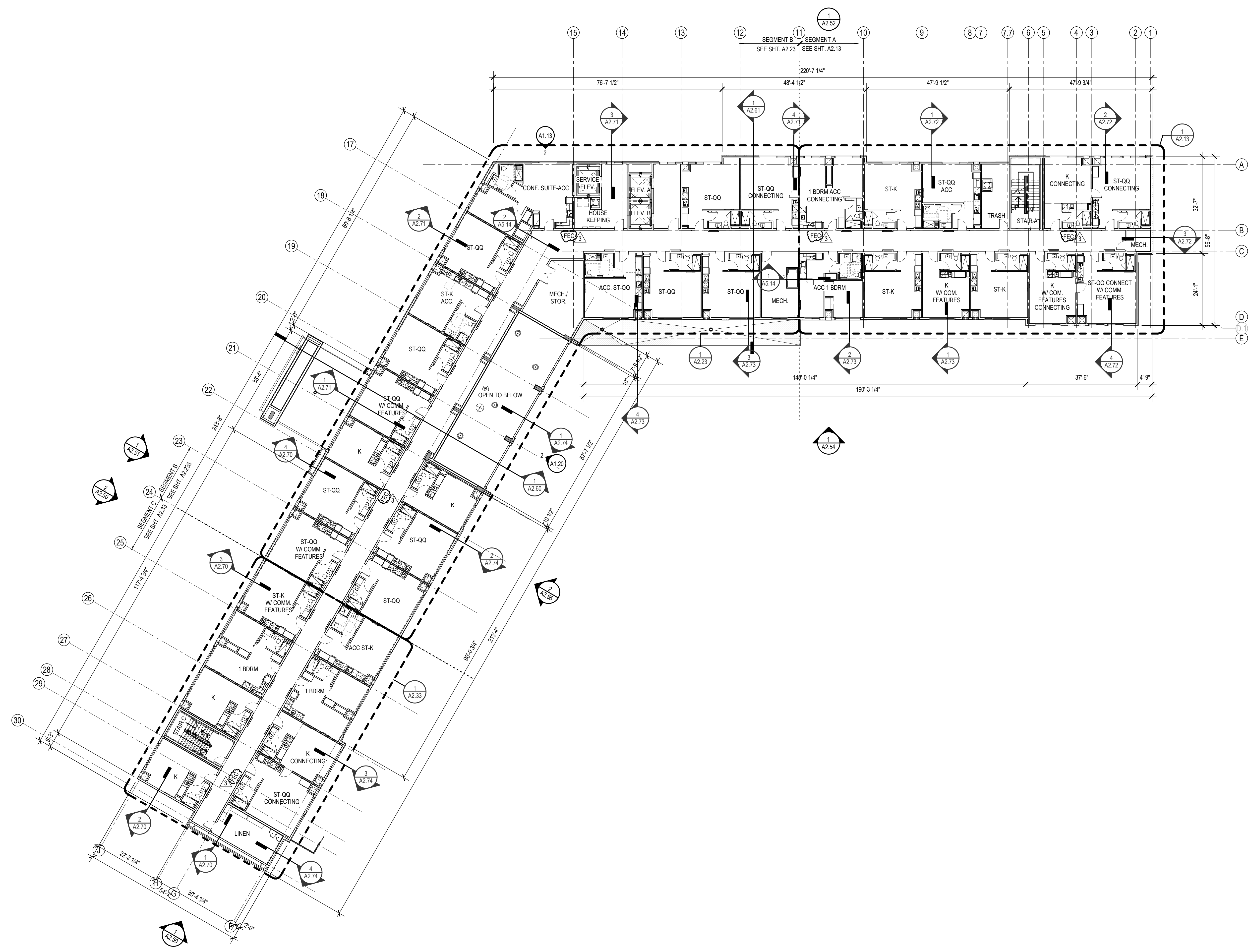


REFERENCE NOTES

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- REFER TO 500 SERIES FOR GUESTROOM PLANS AND DETAILS
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- REFER TO VOLUME 7-INTERIOR DESIGN SPECIFICATION MANUAL FOR INFORMATION RELATED TO ITEMS ON THIS SHEET.

GENERAL NOTES

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1 OVERALL LEVEL 3 PLAN
1/16" = 1'-0"

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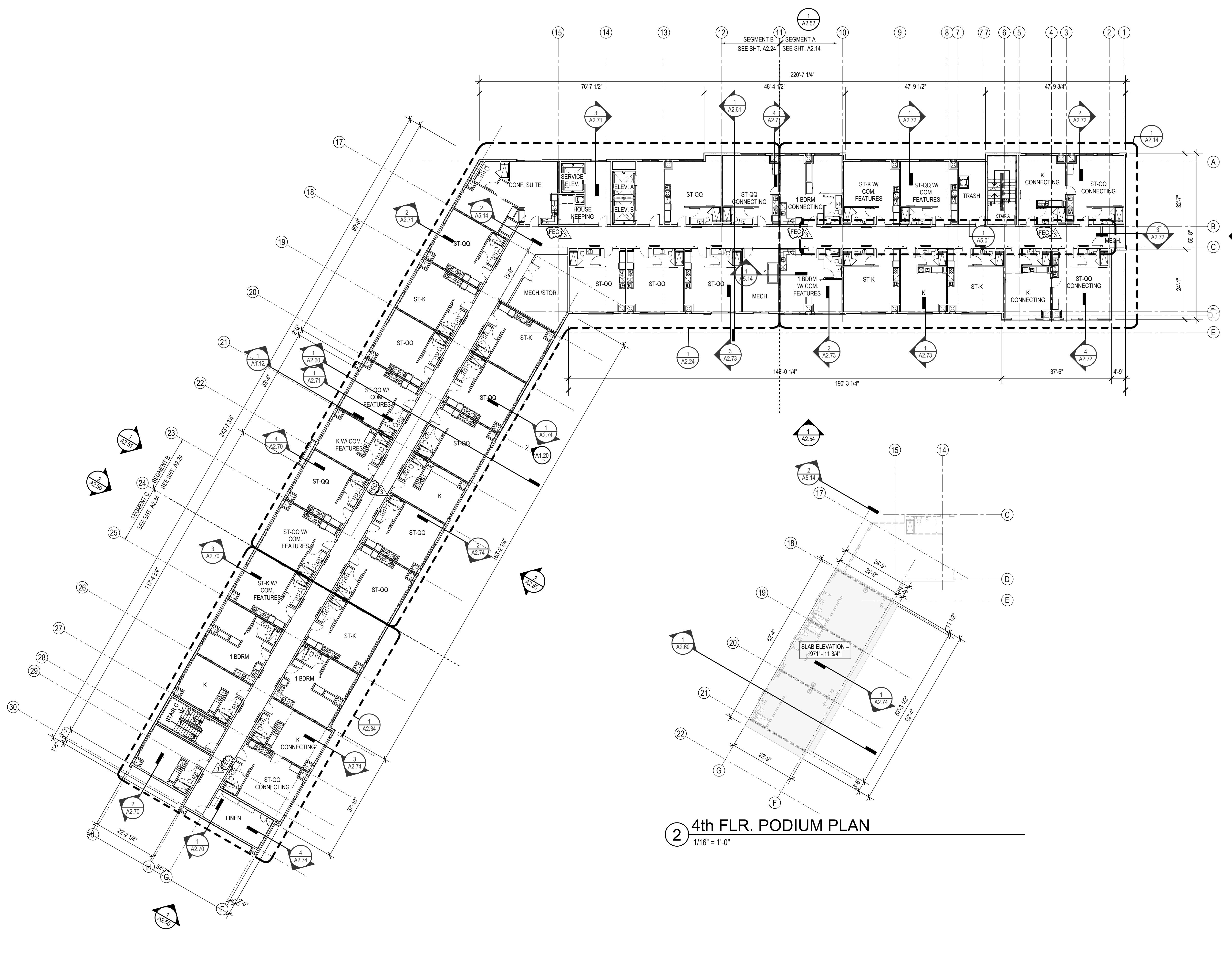
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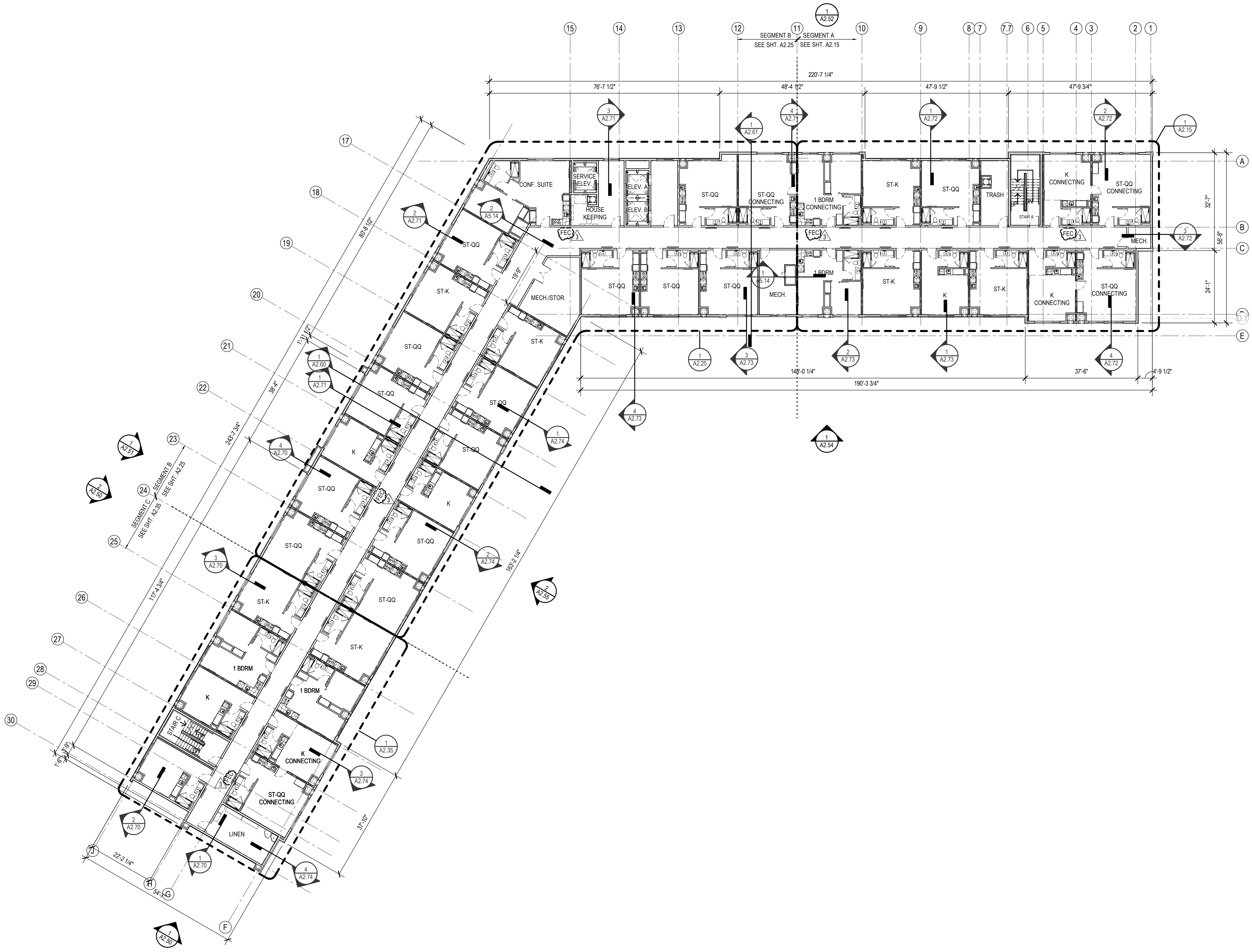
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A2.04

1 OVERALL LEVEL 4 PLAN
 1/16" = 1'-0"

2 4th FLR. PODIUM PLAN
 1/16" = 1'-0"



REFERENCE NOTES

1. REFER TO 300 SERIES DRAWINGS FOR ENLARGED PUBLIC SPACE PLANS AND DETAILS
2. REFER TO 500 SERIES FOR GUESTROOM PLANS AND DETAILS
3. REFER TO VOLUME 5-BUILDING PRODUCT MANUAL-PUBLIC SPACE FOR INFORMATION RELATED TO ITEMS ON THIS SHEET
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GENERAL NOTES

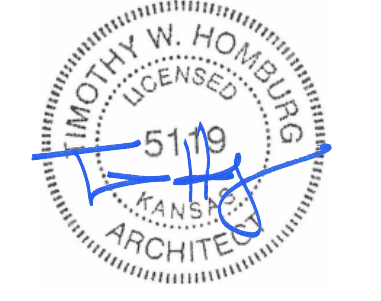
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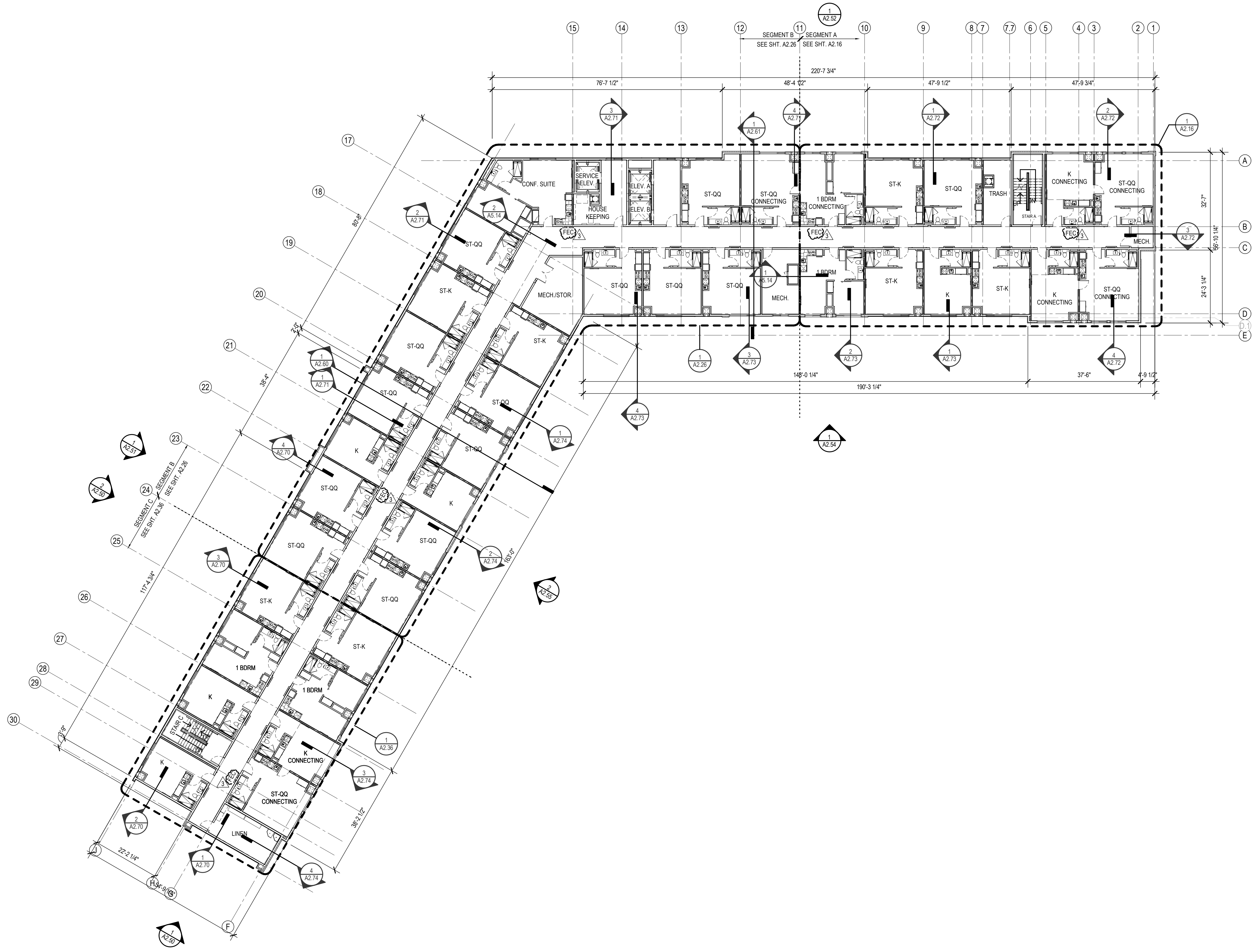
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1 OVERALL LEVEL 5 PLAN
1/16" = 1'-0"



REFERENCE NOTES

- REFER TO 300 SERIES DRAWINGS FOR ENLARGED PUBLIC SPACE PLANS AND DETAILS
- REFER TO 500 SERIES FOR GUESTROOM PLANS AND DETAILS
- REFER TO VOLUME 5-BUILDING PRODUCT MANUAL-PUBLIC SPACE FOR INFORMATION RELATED TO ITEMS ON THIS SHEET.
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GENERAL NOTES

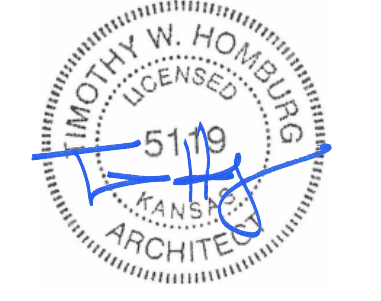
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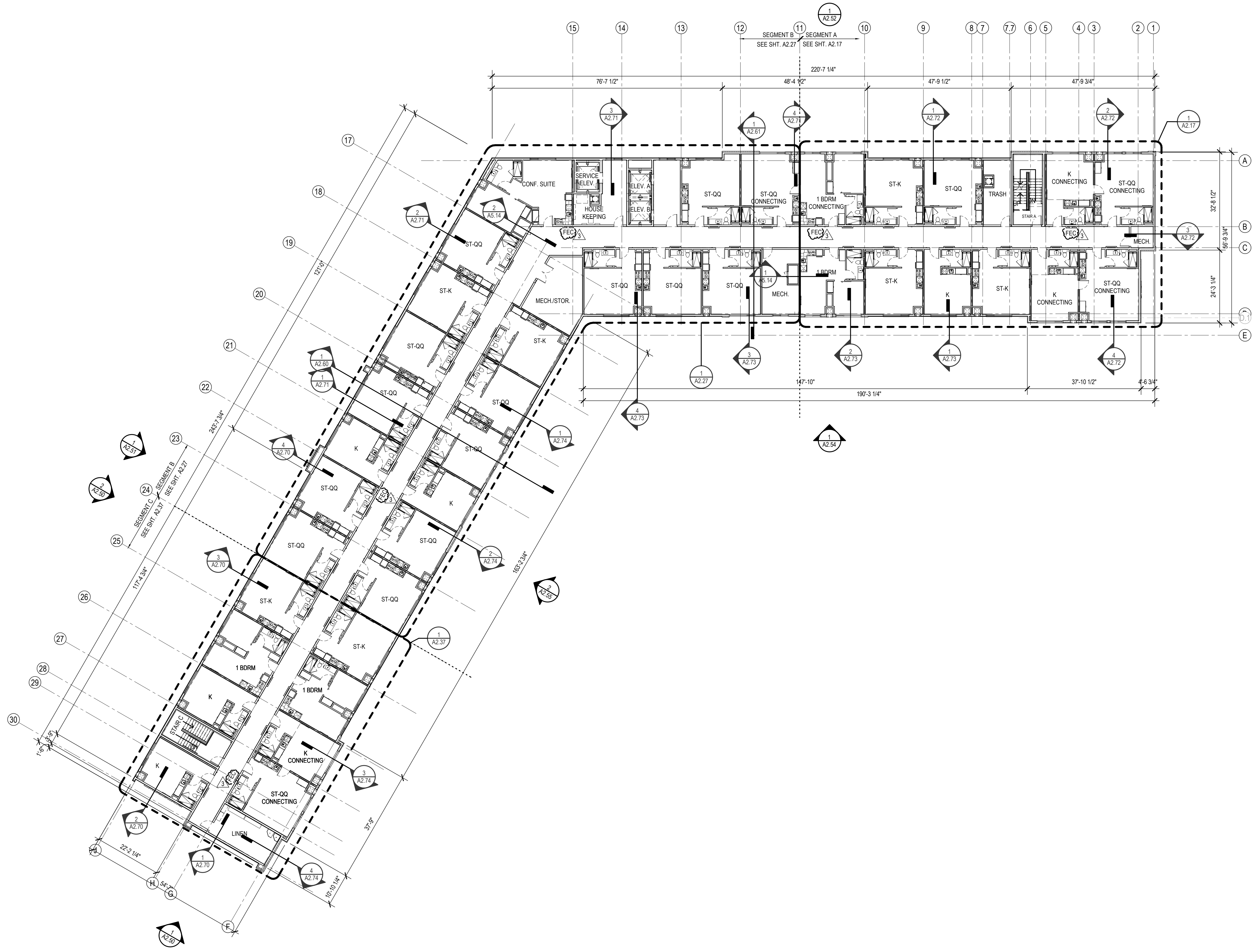
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A2.06

1 OVERALL LEVEL 6 PLAN
1/16" = 1'-0"



- REFERENCE NOTES**
- REFER TO 300 SERIES DRAWINGS FOR ENLARGED PUBLIC SPACE PLANS AND DETAILS
 - REFER TO 500 SERIES FOR GUESTROOM PLANS AND DETAILS
 - REFER TO VOLUME 5-BUILDING PRODUCT MANUAL-PUBLIC SPACE FOR INFORMATION RELATED TO ITEMS ON THIS SHEET.
 - REFER TO VOLUME 7-INTERIOR DESIGN SPECIFICATION MANUAL FOR INFORMATION RELATED TO ITEMS ON THIS SHEET.

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1 OVERALL LEVEL 7 PLAN
 1/16" = 1'-0"

REFERENCE NOTES

- REFER TO MEP DRAWINGS FOR INFORMATION REGARDING EXHAUST LOUVERS AND EQUIPMENT SIZES & LOCATIONS.

GENERAL NOTES

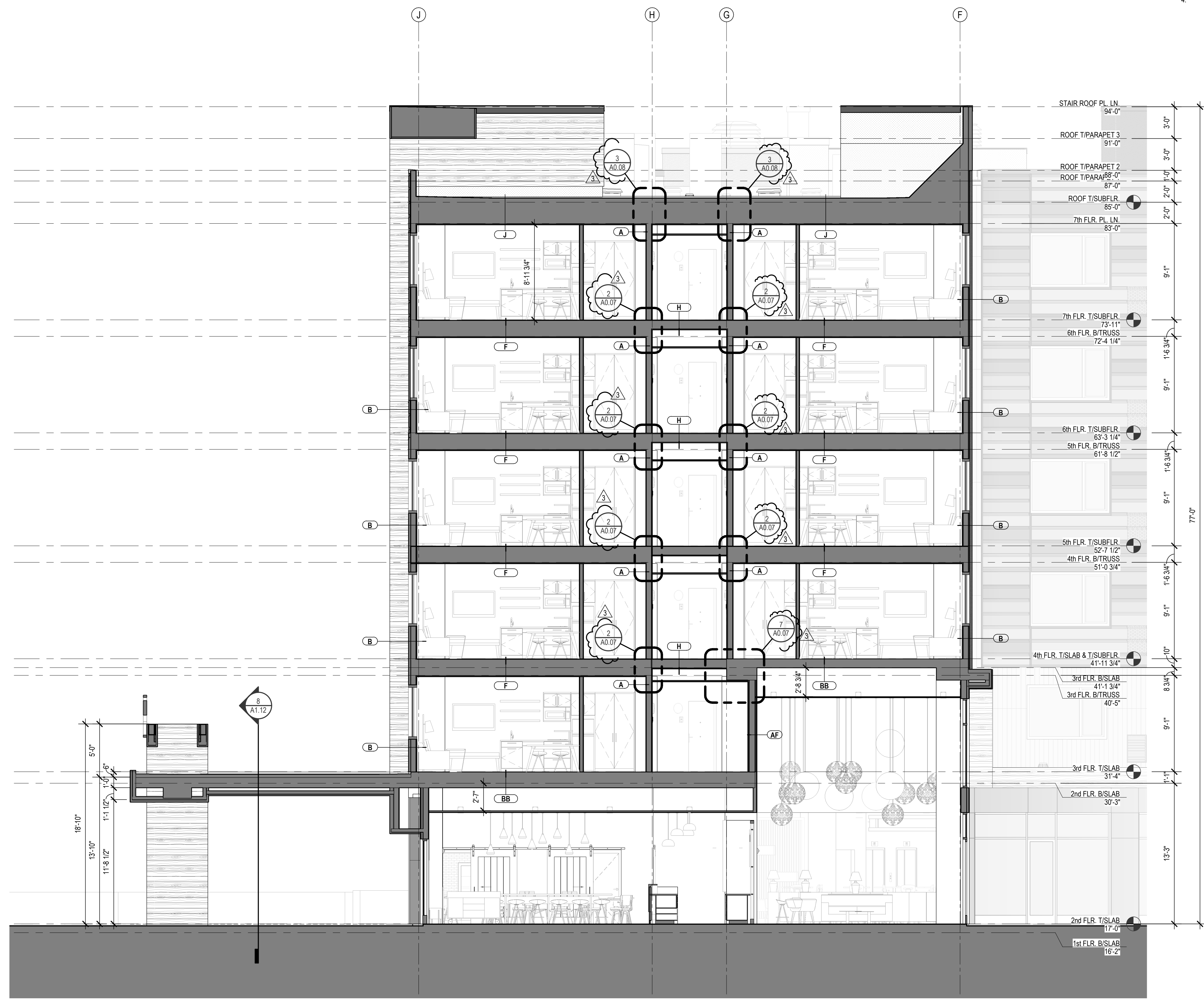
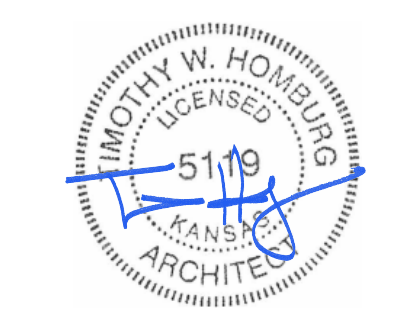
- WALL SECTIONS ARE INTENDED TO PROVIDE INFORMATION REGARDING SPECIFIC FINISH SYSTEMS CONSTRUCTION AND RELATIONSHIPS.
- PROVIDE INTERNAL DOWNSPOUTS, GUTTERS, ROOF DRAINS AND OVERFLOWS AS REQUIRED FOR LOCAL RAINFALL. PROVIDE SECONDARY OVERFLOWS TO DAYLIGHT IN AREAS THAT WILL NOT DRAIN ACROSS WALKING SURFACES.
- IF EQUIPMENT IS LOCATED ON THE ROOF, SCREEN EQUIPMENT SO THAT IT IS NOT VISABLE TO THE GUEST AT GRADE LEVEL.
- SEE BUILDING ELEVATIONS & SECTIONS FOR SILL HEIGHTS. COORDINATE WINDOW SILL HEIGHTS WITH REVEAL AND CONTROL JOINT LOCATIONS.

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1 ENTRY LOBBY CROSS SECTION - LOOKING NORTH
3/16" = 1'-0"

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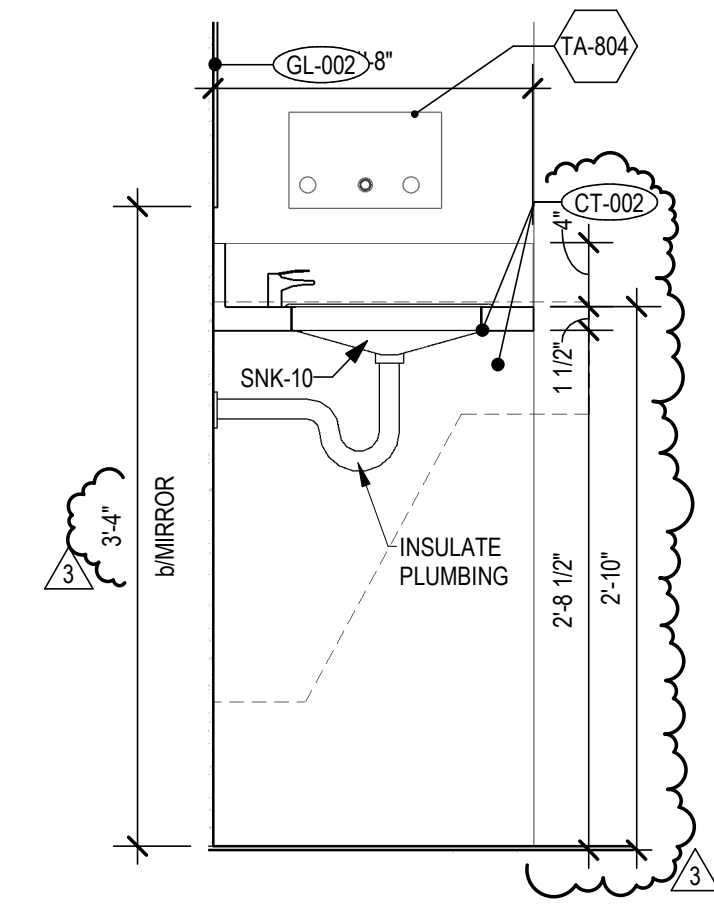
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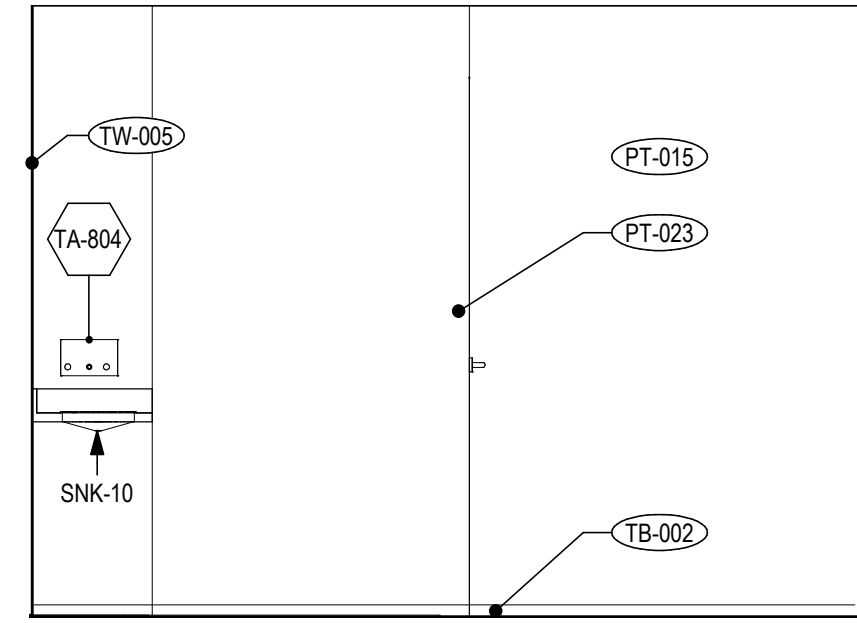
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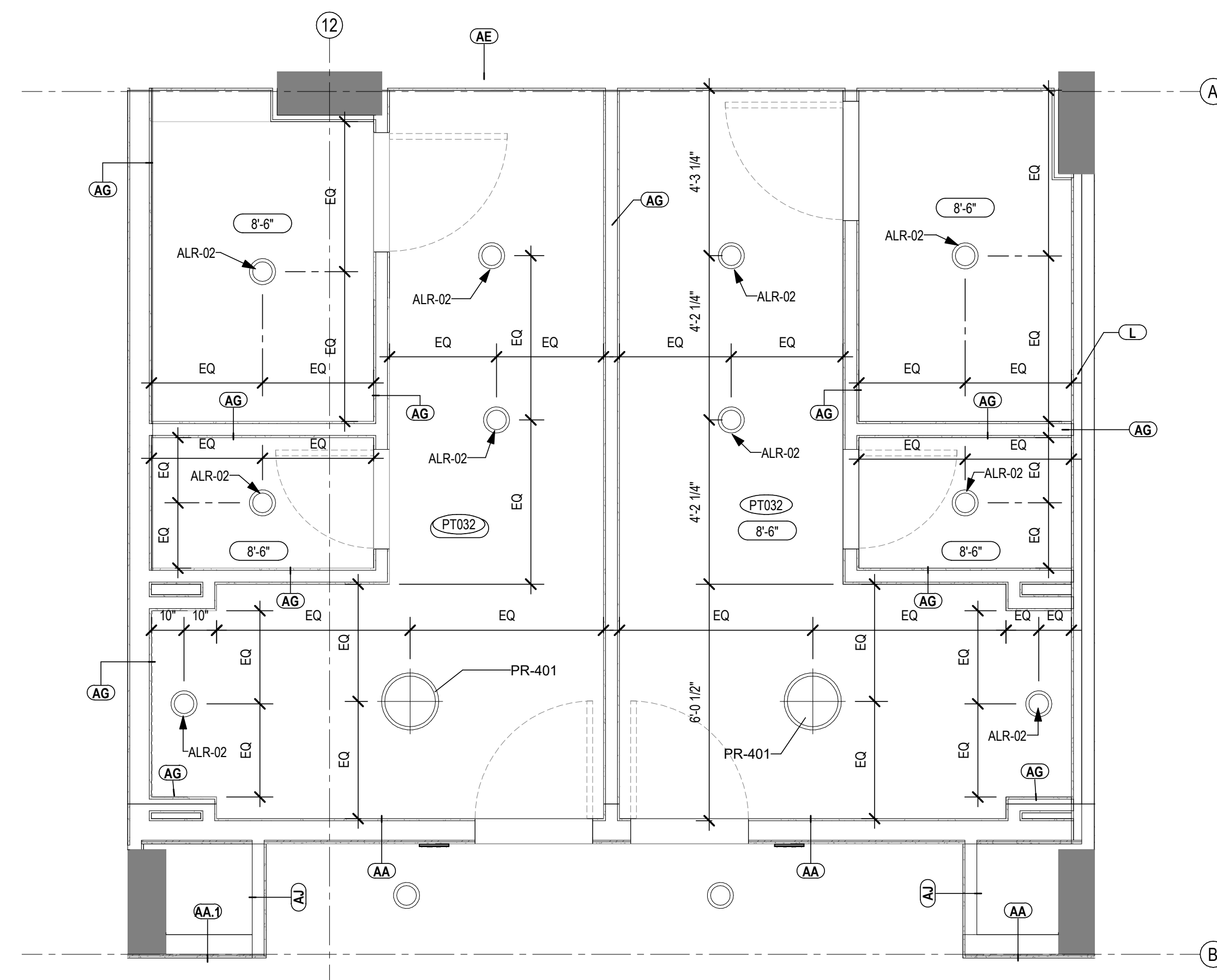
A2.60



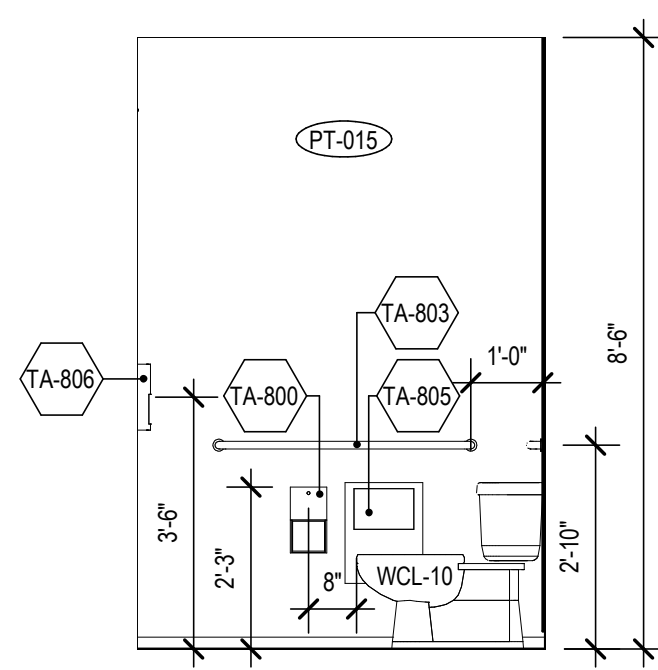
8 LAVATORY SECTION
1" = 1'-0"



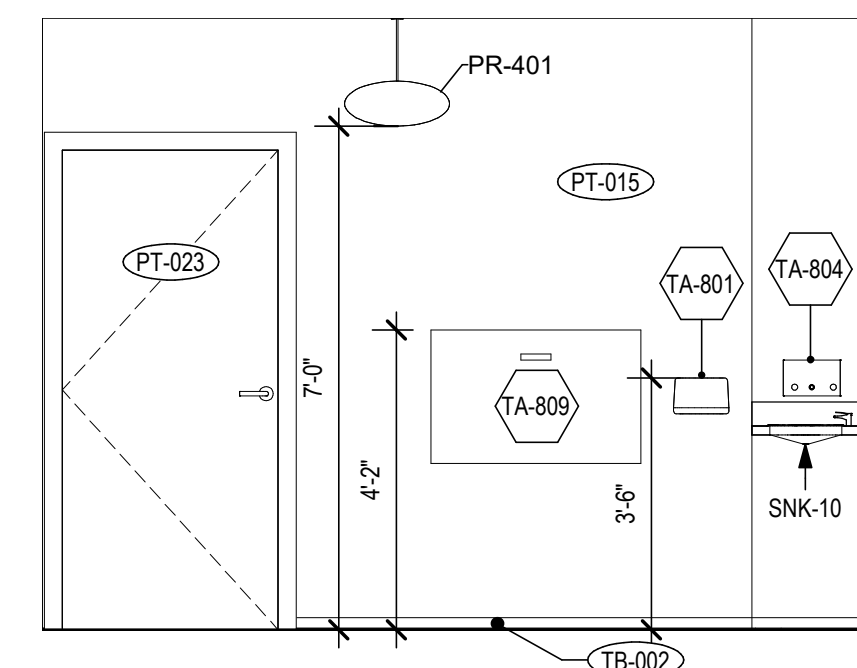
5 POOL RESTROOM ELEVATION
3/8" = 1'-0"



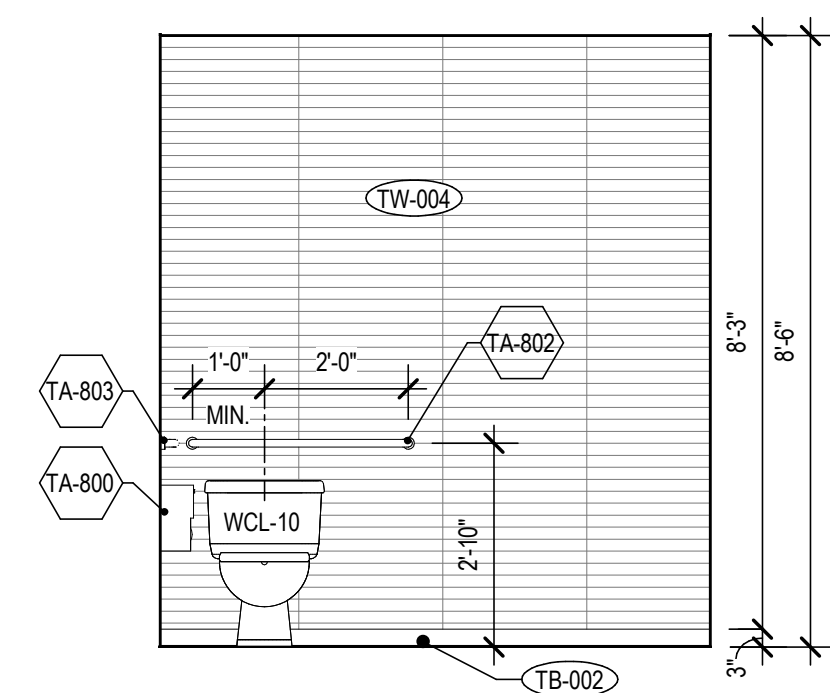
2 POOL RESTROOMS-RCP
3/8" = 1'-0"



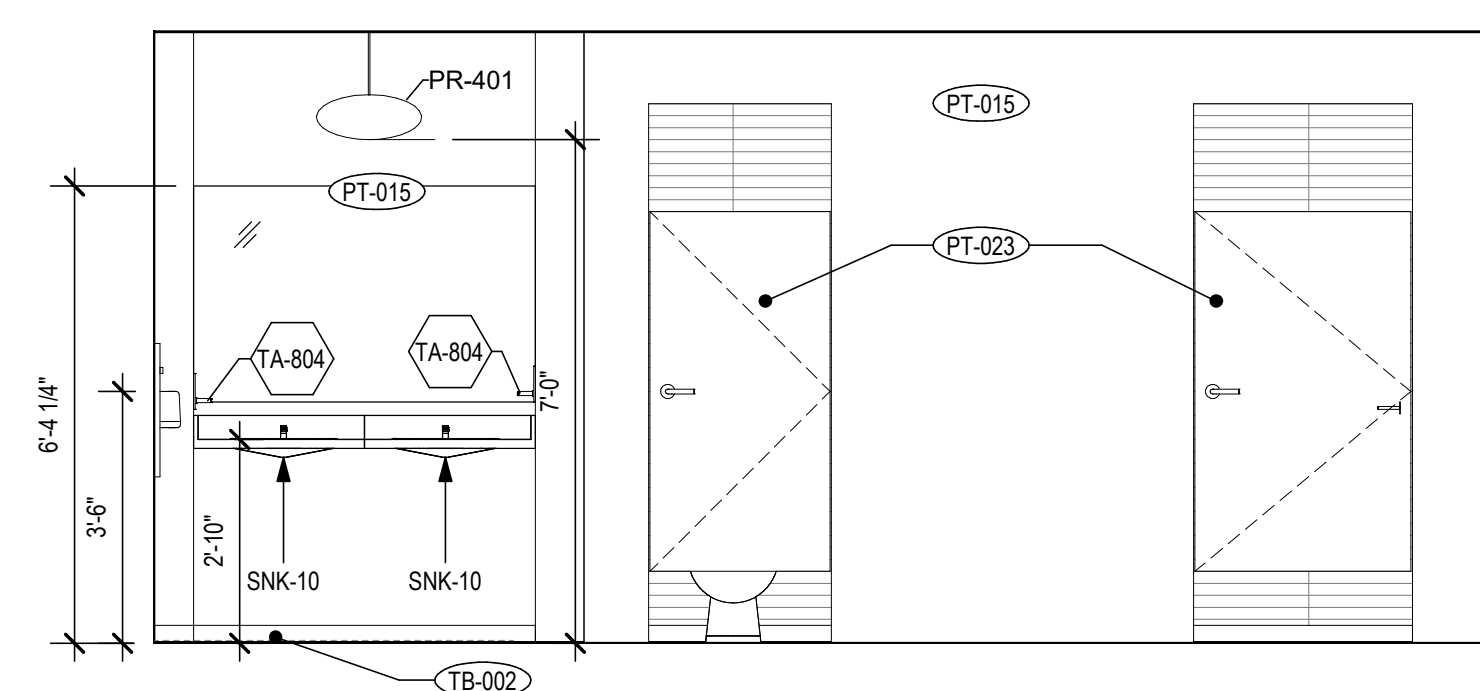
7 POOL RESTROOM ELEVATION
3/8" = 1'-0"



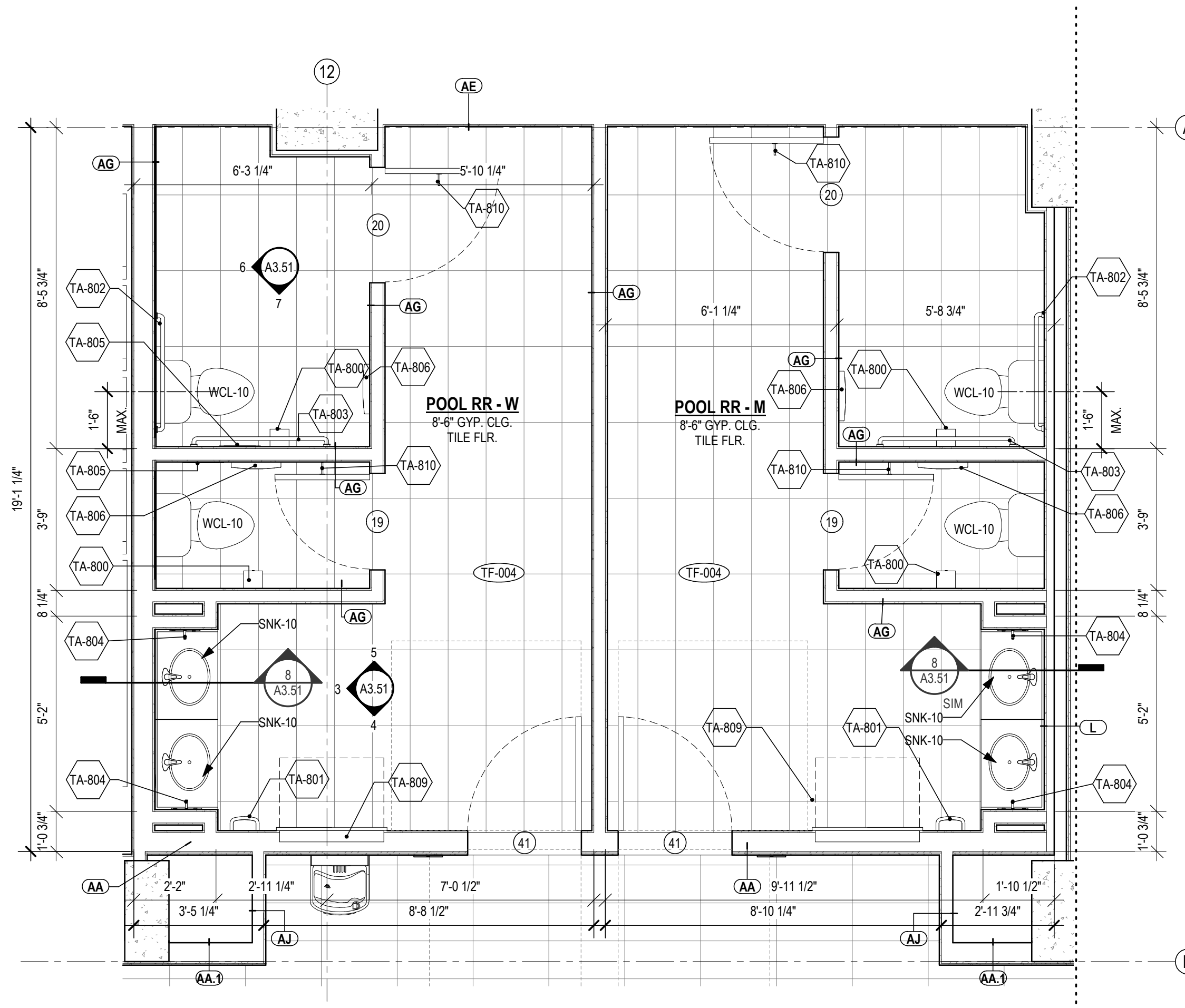
4 POOL RESTROOM ELEVATION
3/8" = 1'-0"



6 POOL RESTROOM ELEVATION
3/8" = 1'-0"



3 POOL RESTROOM ELEVATION
3/8" = 1'-0"



1 POOL RESTROOMS-PLAN
3/8" = 1'-0"

REFERENCE NOTES

- G.C. TO PROVIDE BLOCKING AND/OR STRAPPING FOR ALL ITEMS ATTACHED TO WALLS OR MOUNTED TO CEILING. REFER TO ELECTRICAL SECTION OF BPM FOR SWITCH TYPE AND COVER.
- REFER TO VOLUME 4-BUILDING PRODUCT MANUAL-PUBLIC SPACE FOR INFORMATION RELATED TO ITEMS ON THIS SHEET.
- REFER TO VOLUME 7-INTERIOR DESIGN SPECIFICATION MANUAL FOR INFORMATION RELATED TO ITEMS ON THIS SHEET.

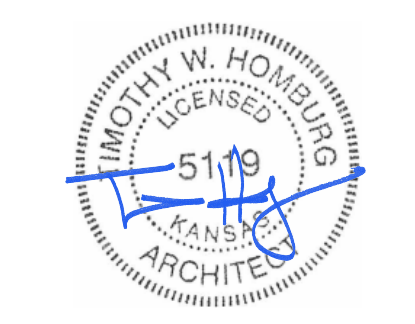
CRITERIA NOTES

CRITERIA NOTES ARE SHOWN CATEGORIZED BY DISCIPLINE AND COULD BE INTERPRETED TO APPLY TO MORE THAN ONE DISCIPLINE FOR EFFICIENCY. NOTES ARE ONLY SHOWN UNDER ONE PREDOMINANT DISCIPLINE. CONSULTANTS SHOULD FAMILIARIZE THEMSELVES WITH ALL CRITERIA NOTES.

CEILING LEGEND

- 2 x 2 RECESSED LIGHTING FIXTURE
- 2 x 4 RECESSED LIGHTING FIXTURE
- LINEAR LIGHT FIXTURE - SEE PLAN FOR CONFIGURATION & SIZE
- WALL MOUNTED LIGHT FIXTURE
- RECESSED LIGHTING FIXTURE - ROUND
- PENDANT LIGHT - SEE PLANS FOR CONFIGURATION & SIZE
- LED COVE LIGHTING STRIP FIXTURE
- LINEAR SLOT DIFFUSER - RE: MEP DRAWINGS
- SPEAKER - RE: MEP DRAWINGS
- EXHAUST FAN - RE: MEP DRAWINGS
- EXHAUST FAN - COMBO
- SURFACE MOUNTED DRUM FIXTURE

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A NEW ELEMENT BY WESTIN FOR
MISSION GATEWAY
5931 ROELAND DR
MISSION, KANSAS

DRAWING RELEASE LOG
• 19 0626 - PERMIT SUBMITTAL
• 19 0814 - BID SET

REVISIONS:
3 19 0820 PERMIT REVISION 1
3 19 0820 ADDENDUM 1

DATE:
06/26/19
JOB NO.
617918
DRAWN BY:
TSC/SIW
SHEET NO.

REFERENCE NOTES

- REFER TO VOLUME 6 - FOOD SERVICE & GUEST LAUNDRY MANUAL FOR EQUIPMENT INFORMATION (COORDINATED WITH DWG MARK NUMBER) AND SPECIFICATIONS, INCLUDING DIMENSIONS AND UTILITY REQUIREMENTS. REFER TO ELECTRICAL SECTION OF BPM FOR SWITCH TYPE AND COVER.

GENERAL NOTES

- GAS AND ELECTRICAL EQUIPMENT IS SHOWN IN THE EQUIPMENT SCHEDULE. EQUIPMENT INSTALLER TO VERIFY UTILITY AVAILABILITY AND PROVIDE PROPER EQUIPMENT.

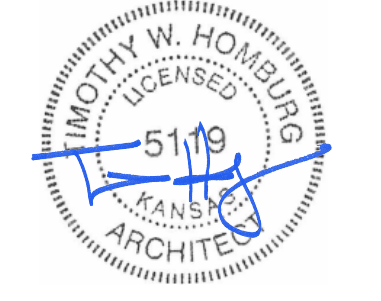
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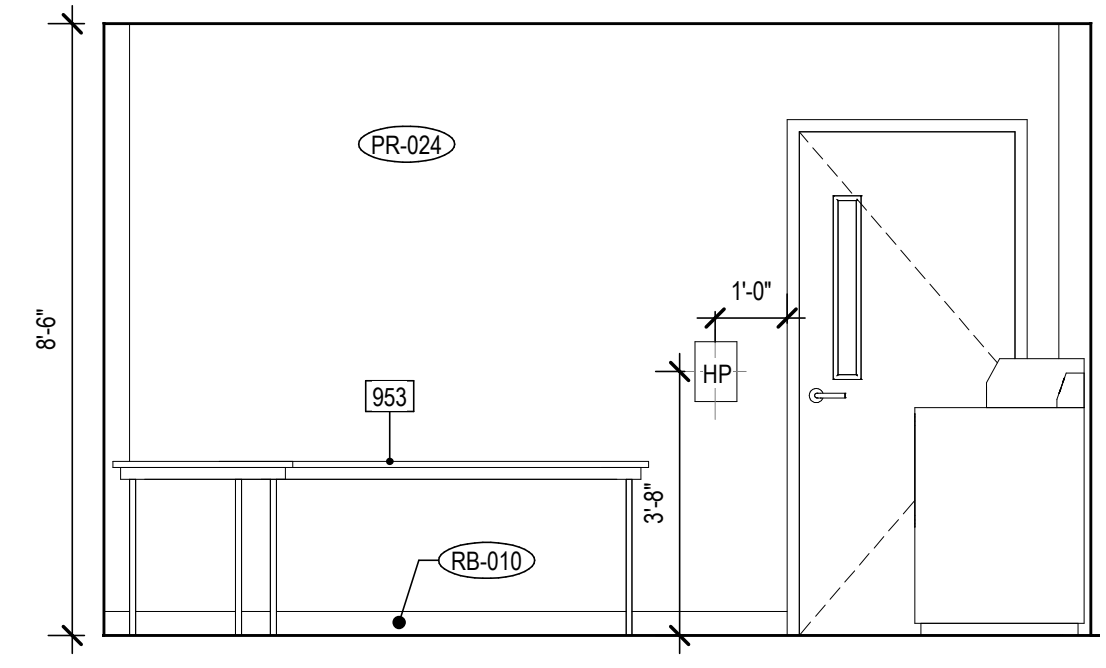
- E42 LOCATE HOUSE PHONES 12" FROM DOOR U.N.O., 44" AFF (TYPICAL).
- E43 COORDINATE POWER AND PLUMBING FOR ALL EQUIPMENT.

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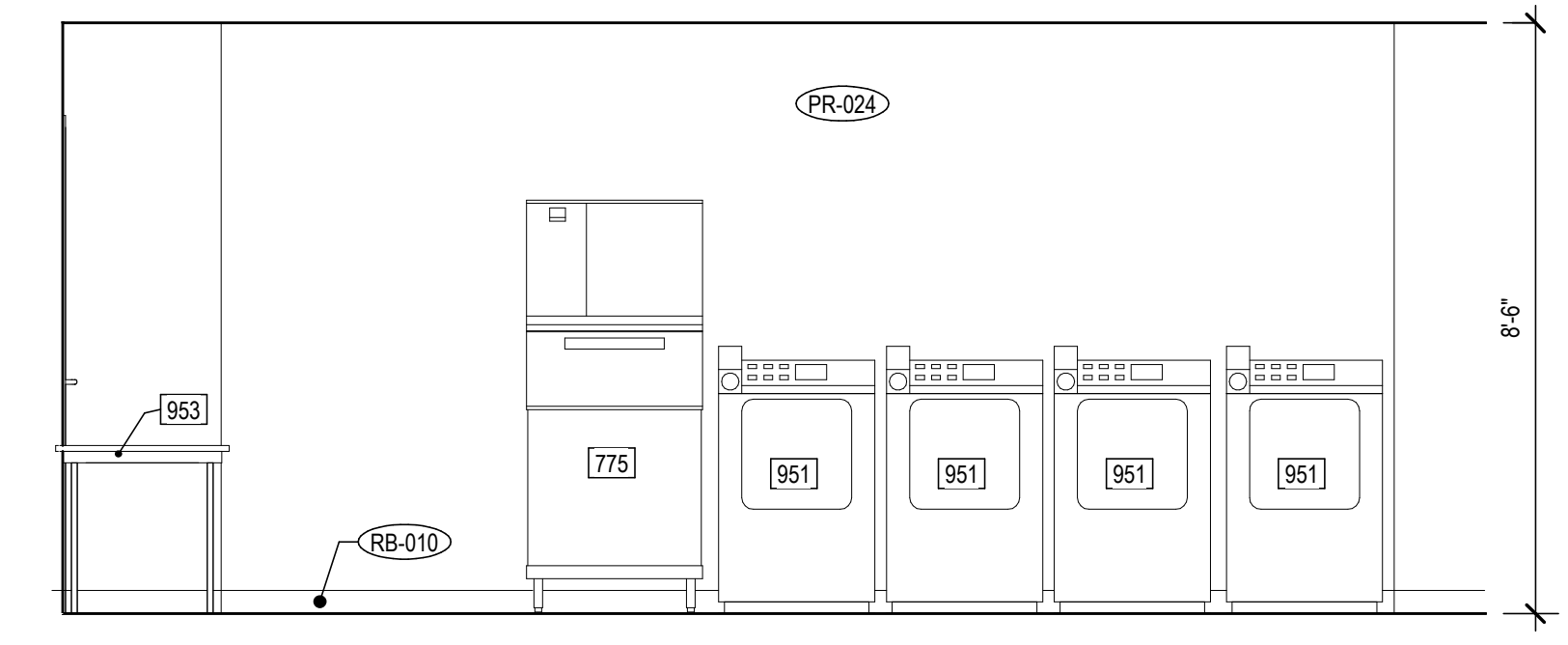
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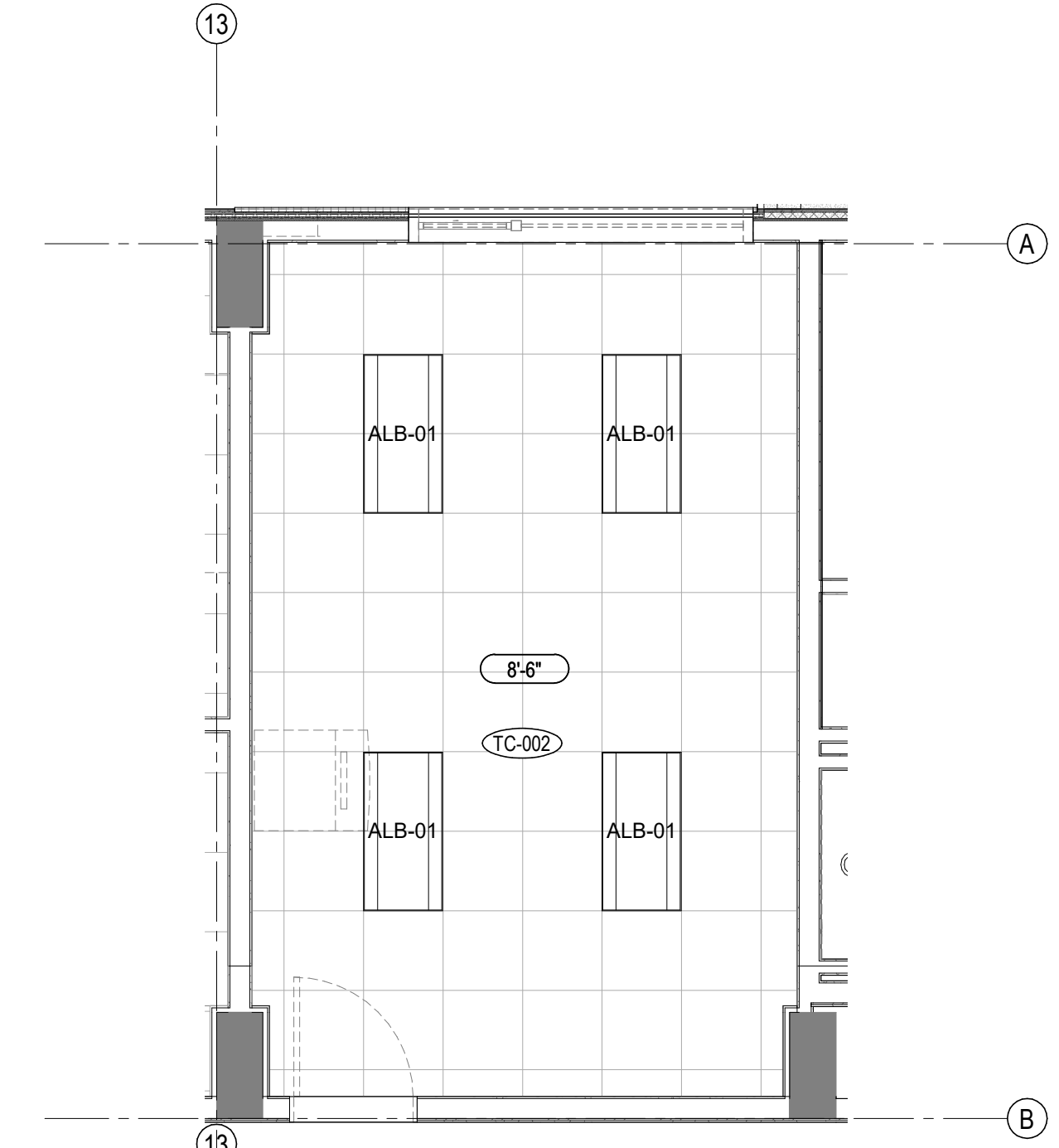
GUEST LAUNDRY EQUIPMENT				
MARK	QTY	DESCRIPTION	MANUFACTURER	COMMENTS
775	1	ICE DISPENSER	MANITOWOC	
950	4	GUEST WASHER	SPEED QUEEN	
951	4	GUEST DRYER	SPEED QUEEN	
953	2	FOLDING TABLE	NIKEC	



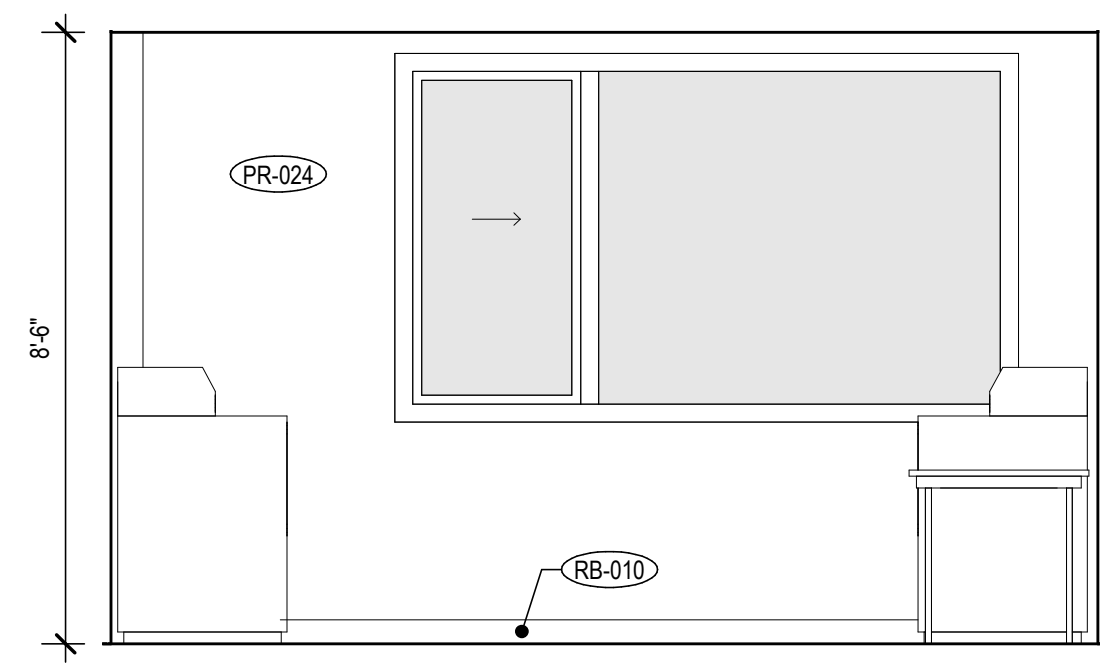
6 SOUTH GUEST LAUNDRY ELEV.
3/8" = 1'-0"



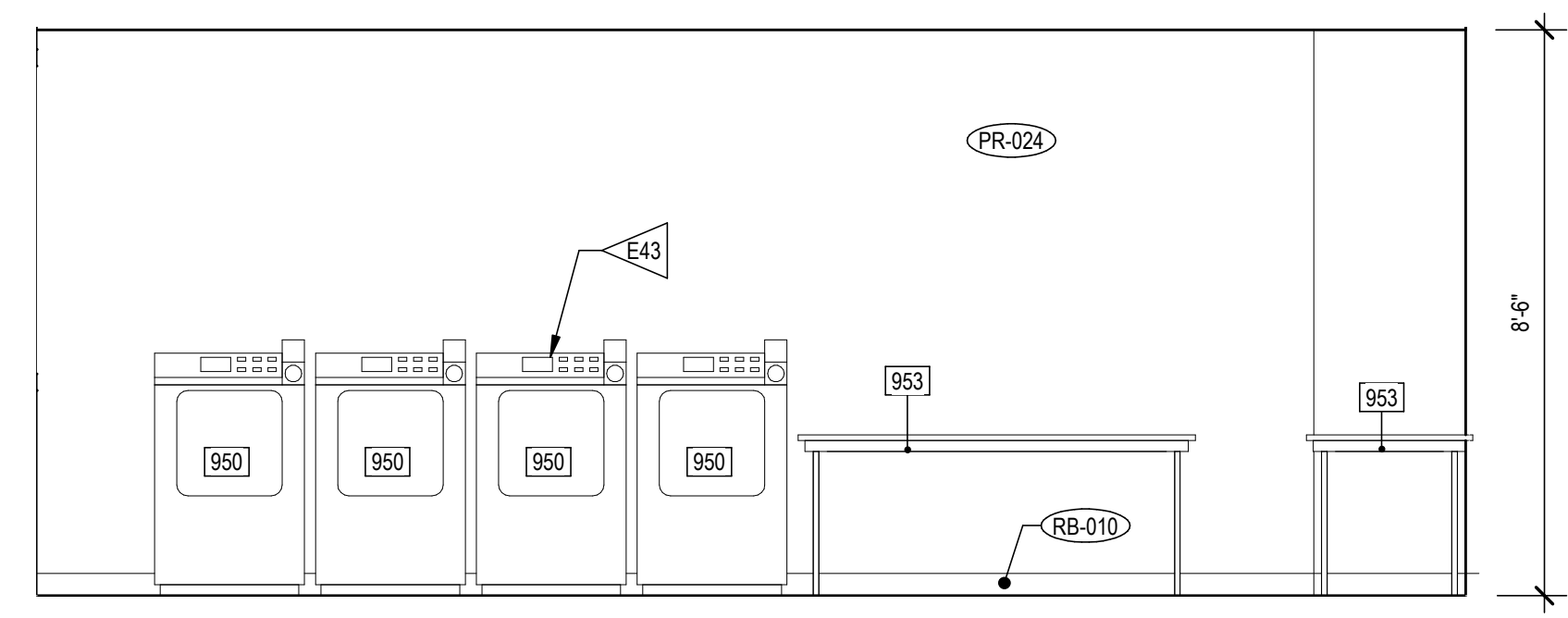
4 WEST GUEST LAUNDRY ELEV.
3/8" = 1'-0"



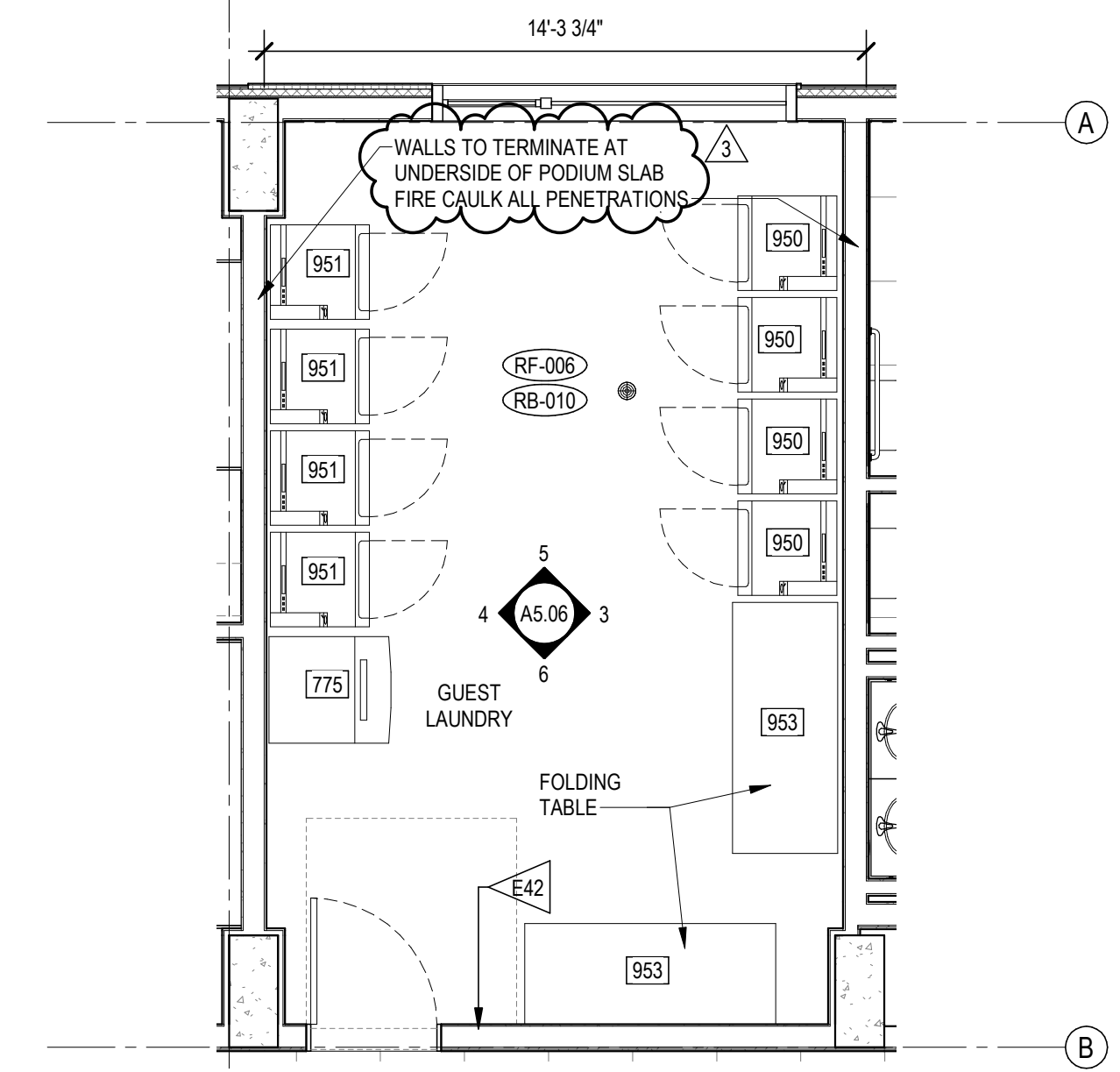
2 GUEST LAUNDRY-RCP
1/4" = 1'-0"



5 NORTH GUEST LAUNDRY ELEV.
3/8" = 1'-0"



3 EAST GUEST LAUNDRY ELEV.
3/8" = 1'-0"



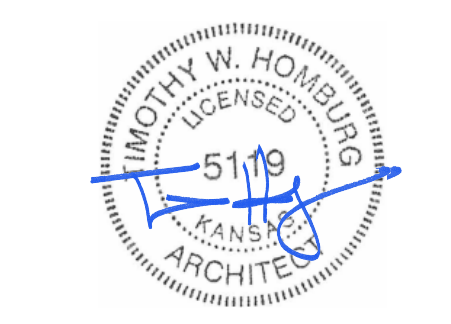
1 GUEST LAUNDRY-PLAN
1/4" = 1'-0"

A NEW ELEMENT BY WESTIN FOR
MISSION GATEWAY
5931 ROELAND DR
MISSION, KANSAS

DRAWING RELEASE LOG
• 19 0626 - PERMIT SUBMITTAL
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REVISIONS:
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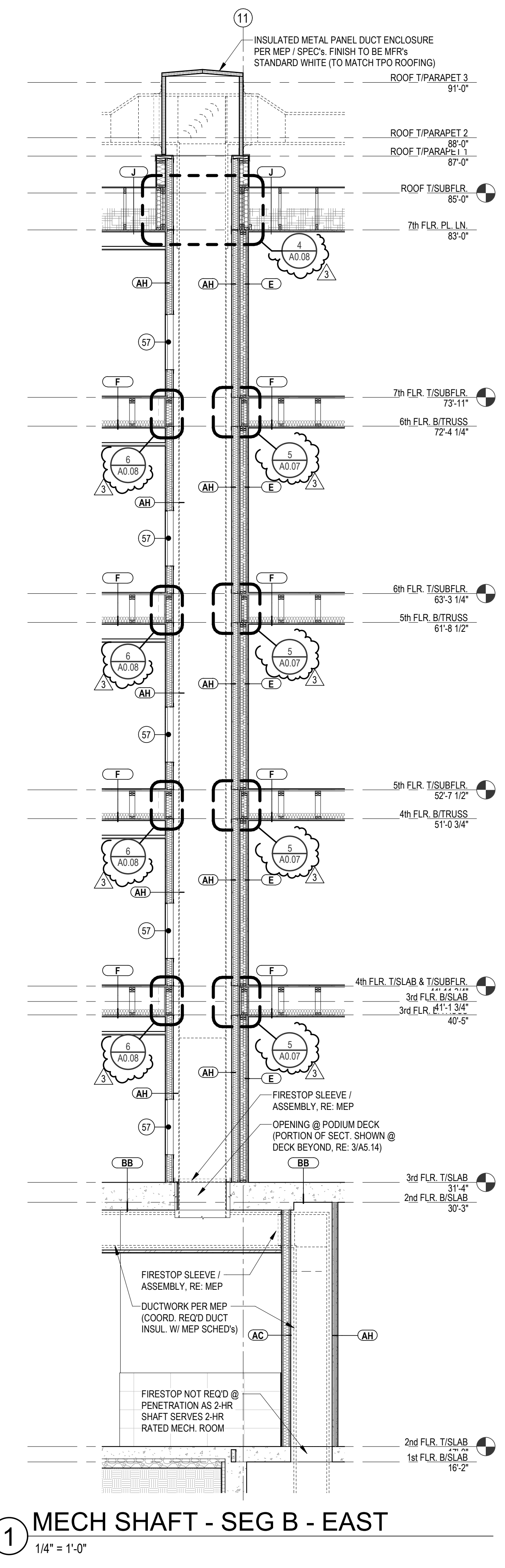


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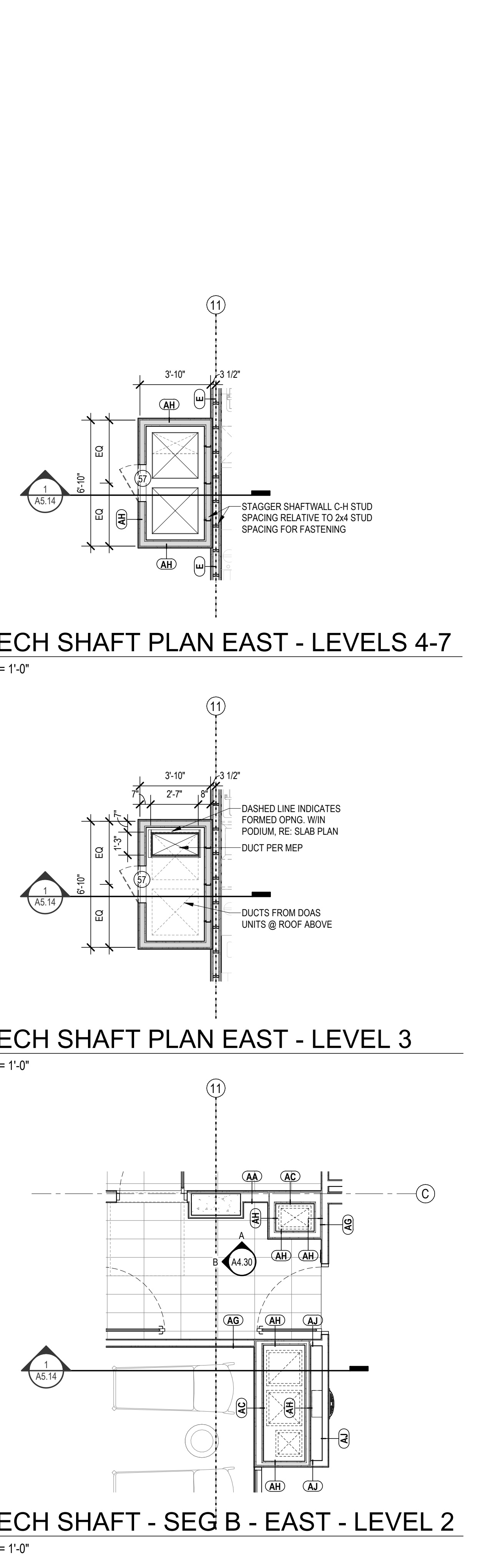
DRAWING RELEASE LOG
• 19 0626 - PERMIT SUBMITTAL
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REVISIONS:
3 19 0820 PERMIT REVISION 1
3 19 0820 ADDENDUM 1

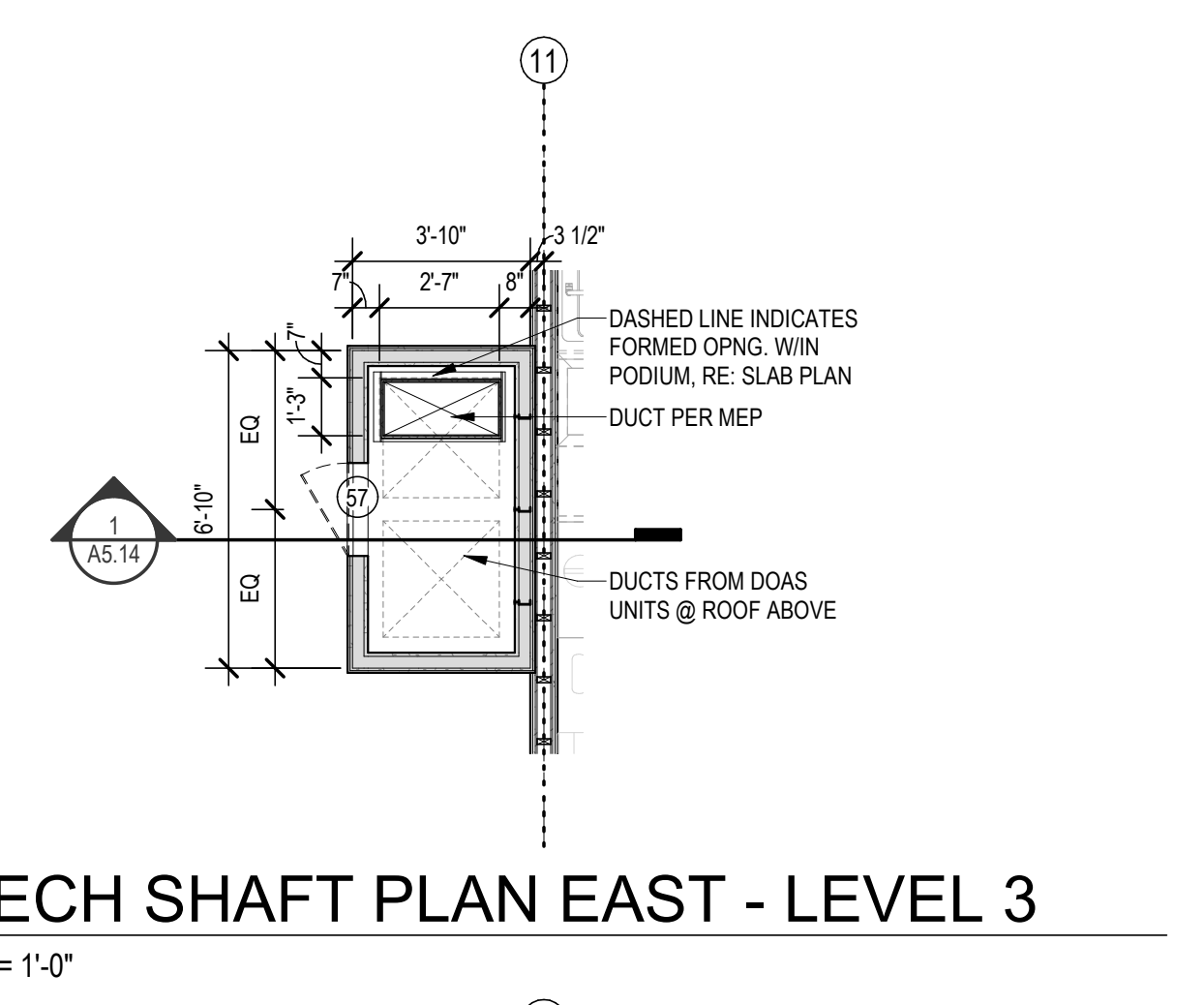
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Author
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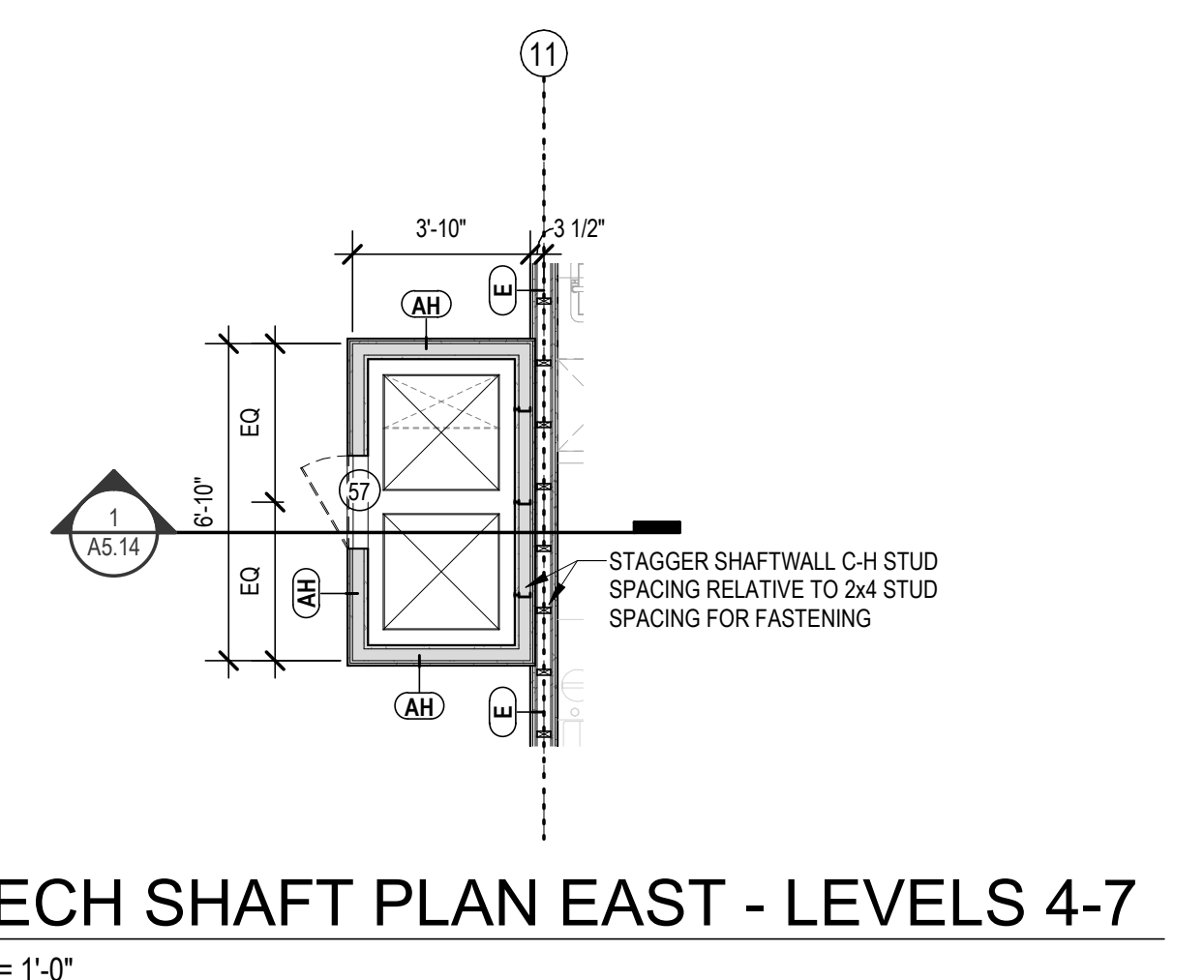
1 MECH SHAFT - SEG B - EAST
1/4" = 1'-0"



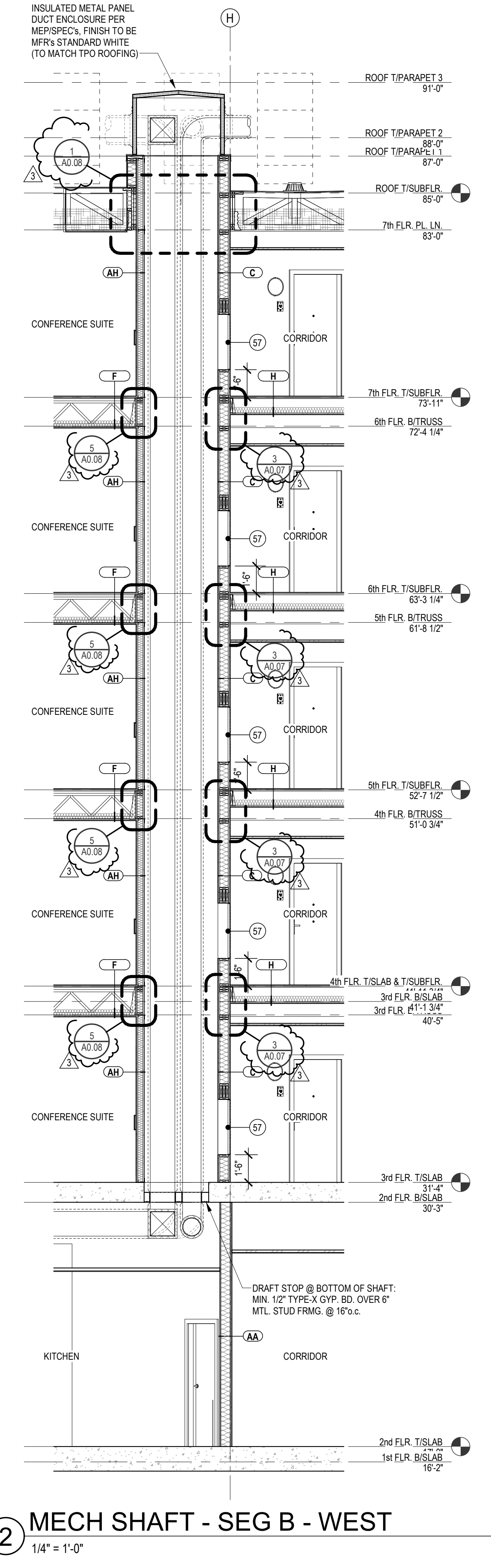
5 MECH SHAFT - SEG B - EAST - LEVEL 2
1/4" = 1'-0"



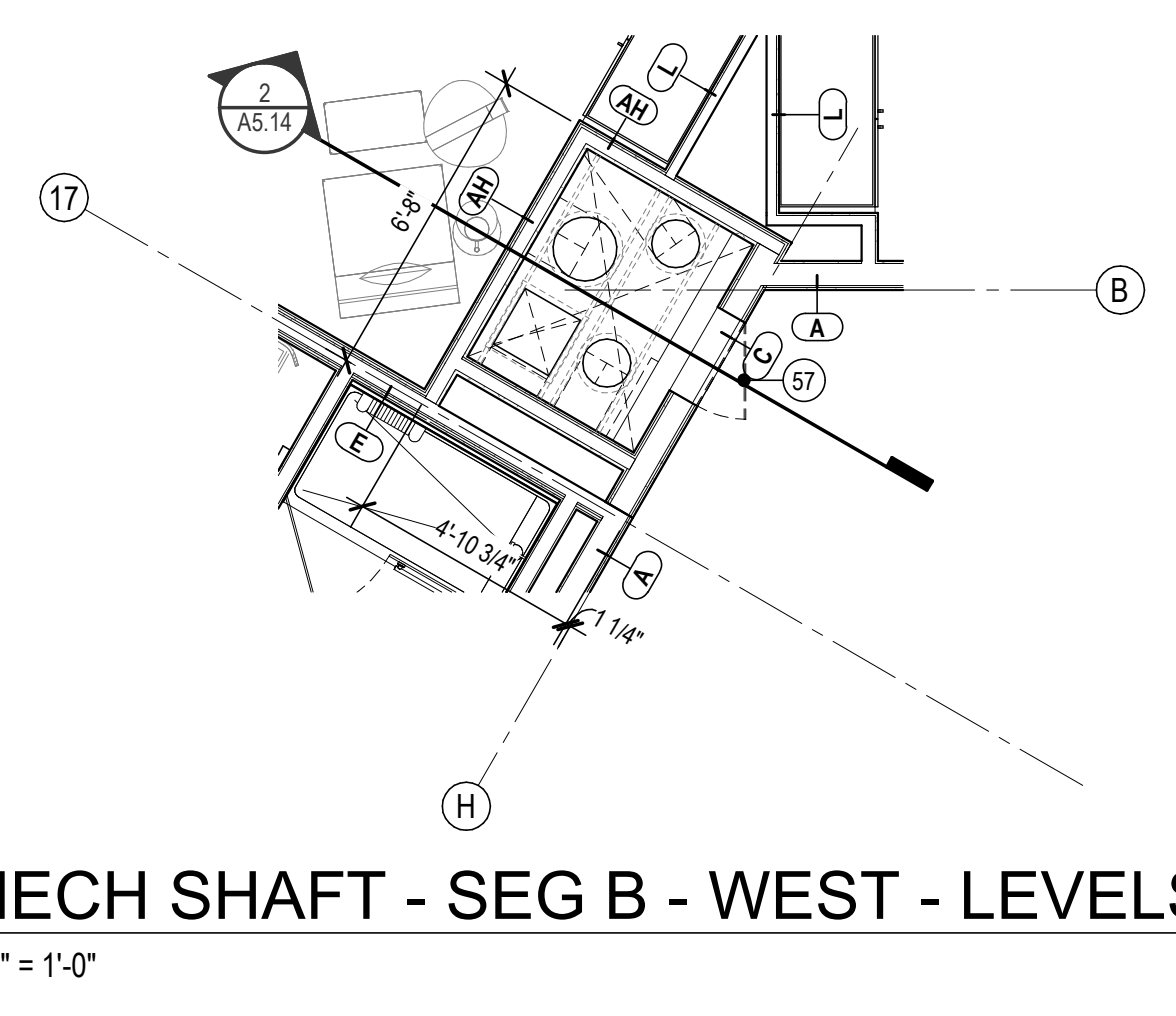
3 MECH SHAFT PLAN EAST - LEVEL 3
1/4" = 1'-0"



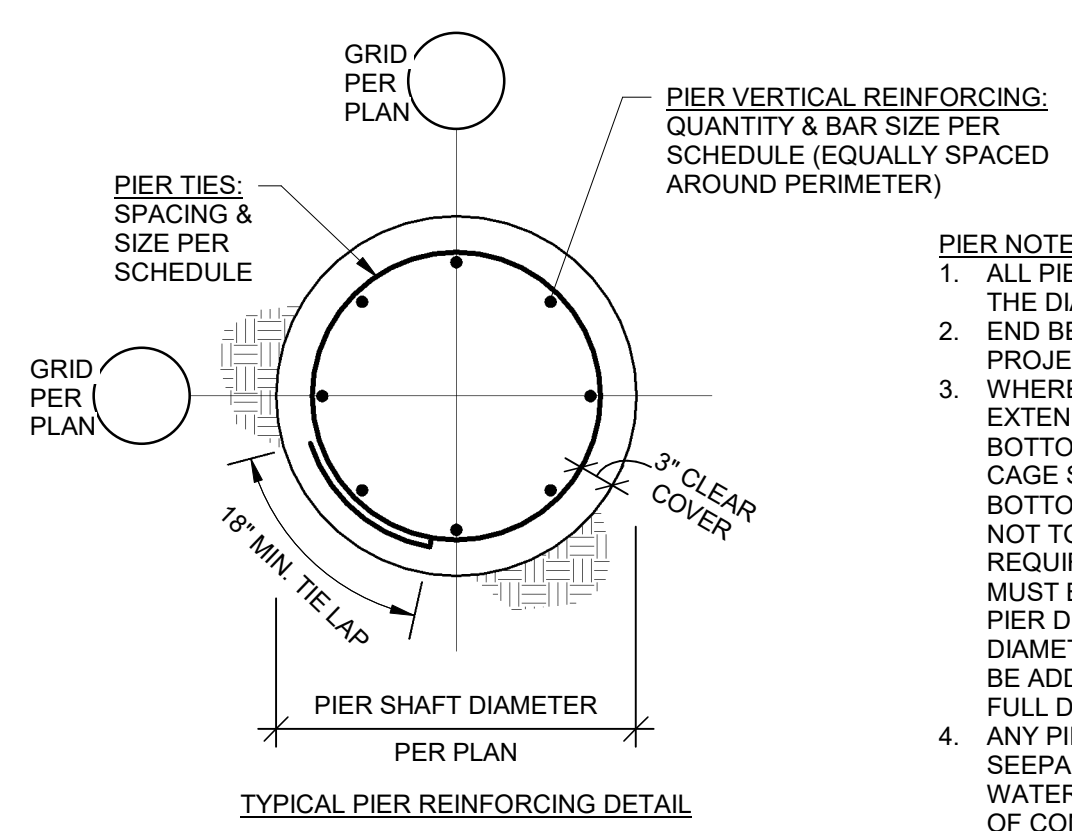
4 MECH SHAFT PLAN EAST - LEVELS 4-7
1/4" = 1'-0"



2 MECH SHAFT - SEG B - WEST
1/4" = 1'-0"



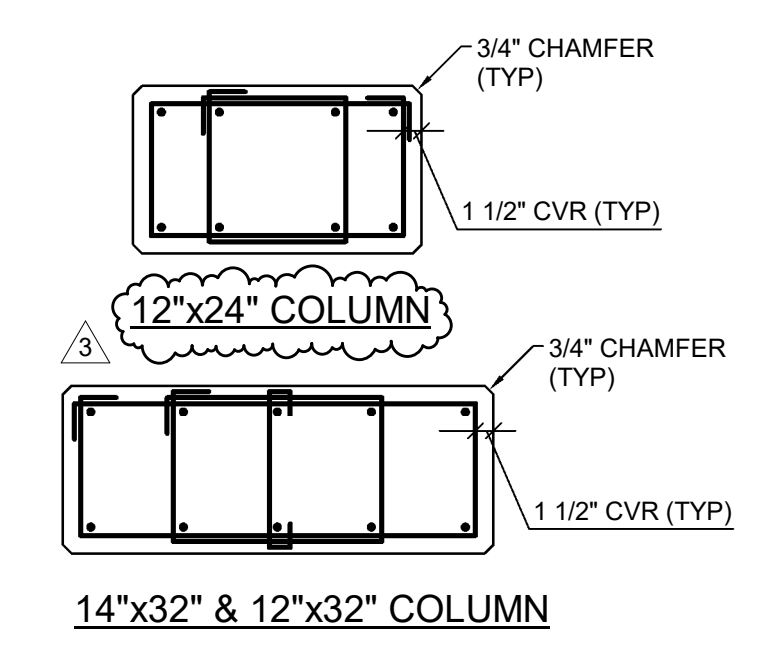
6 MECH SHAFT - SEG B - WEST - LEVELS 3-7
1/4" = 1'-0"



- PIER NOTES:**
- ALL PIERS SHALL HAVE A MINIMUM LENGTH OF TWO TIMES THE DIAMETER OF THE PIER.
 - END BEARING CAPACITY SHALL BE FIELD VERIFIED BY THE PROJECT GEOTECHNICAL ENGINEER.
 - WHERE BOTTOM OF PIER ELEVATION IS REQUIRED TO EXTEND TO A DEPTH GREATER THAN THE ESTIMATED BOTTOM OF PIER ELEVATION, THE REINFORCING STEEL CAGE SHALL BE HELD AT THE TOP OF THE PIER AND THE BOTTOM OF THE PIER MAY BE UNREINFORCED FOR A DEPTH NOT TO EXCEED 1.5 X THE PIER DIAMETER. IF THE PIER IS REQUIRED TO RESIST UPLIFT OR THE BOTTOM OF THE PIER MUST BE EXTENDED TO A DEPTH GREATER THAN 1.5 X THE PIER DIAMETER, VERTICAL BARS SHALL BE LAPPED 48 BAR DIAMETERS TO THE BOTTOM OF THE CAGE AND TIES SHALL BE ADDED TO EXTEND THE REINFORCING THROUGH THE FULL DEPTH OF THE PIER.
 - ANY PIER EXCAVATION THAT ENCOUNTERS GROUNDWATER SEEPAGE SHALL BE TEMPORARILY CASED AND HAVE ALL WATER REMOVED FROM THE HOLE PRIOR TO PLACEMENT OF CONCRETE.
 - IN ADDITION TO PIER TIES INDICATED, PROVIDE FOUR (4) EXTRA TIES @ 3' o.c. AT THE TOP OF EACH PIER.
 - UNLESS OTHERWISE INDICATED, TOPS OF ALL PIERS SHALL HAVE DOWELS TO CONCRETE GRADE BEAMS & CONCRETE COLUMNS ABOVE. AT GRADE BEAMS AND SLABS, PROVIDE (6) #7 X 8'-0" DOWELS W/ STANDARD ACI 90 DEGREE HOOKS AT TOP (LENGTH DOES NOT INCLUDE HOOK). AT COLUMNS (INCLUDING WALL COLUMNS), PROVIDE DOWELS TO MATCH SIZE & SPACING OF COLUMN VERTICAL REINFORCING w/ 48 BAR DIAMETER MINIMUM LAP & 60 BAR DIAMETER MINIMUM EMBEDMENT IN PIER. AT CONCRETE WALLS, PROVIDE DOWELS TO MATCH WALL INTEGRAL COLUMN VERTICAL REINFORCING (IF PRESENT), OTHERWISE PROVIDE (6) #7 X 10'-0" DOWELS, EMBED 4'-6" INTO PIER.

PIER SHAFT DIAMETER	MAXIMUM ALLOWABLE LOAD TO PIER (60 KSF END BEARING)	PIER VERTICAL REINFORCING	PIER TIES
24"	180 k	(6) #7	#3@16"
30"	290 k	(6) #8	#3@16"
36"	420 k	(8) #8	#3@16"
42"	570 k	(9) #9	#4@16"
48"	750 k	(10) #9	#4@16"

1 TYPICAL PIER REINFORCING
3/4" = 1'-0"



NOTE: PROVIDE COLUMN CORNER GUARD PER ARCH, DWGS WHERE INDICATED

2 COLUMN DETAILS
3/4" = 1'-0"

COLUMN SIZE	REINFORCEMENT
12"x24"	(8) #7 VERTICAL (2) #3 TIES @ 10"oc
12"x32"	(10) #7 VERTICAL (3) #3 TIES @ 12"oc
14"x32"	(10) #8 VERTICAL (3) #3 TIES @ 14"oc

CONCRETE COLUMN SCHEDULE	
COLUMN SIZE	REINFORCEMENT
12"x24"	(8) #7 VERTICAL (2) #3 TIES @ 10"oc
12"x32"	(10) #7 VERTICAL (3) #3 TIES @ 12"oc
14"x32"	(10) #8 VERTICAL (3) #3 TIES @ 14"oc

10"/12" SLAB NOTES

- SEE GENERAL NOTES (STRUCTURAL) ON SHEET S0.01.
- 2ND FLOOR SLAB IS 10" THICK (12" WHERE NOTED), AND REINFORCED WITH A CONTINUOUS (36" LAP AT COLUMN CENTERLINE OF COLUMN STRIP AND 24" LAP AT COLUMN CENTERLINE OF MID-STRIP) BOTTOM MAT OF #5 @ 12"oc EACH WAY. THE BOTTOM MAT EXTENDING NORTH-SOUTH SHALL BE SUPPORTED ON 1" SLAB BOLSTERS @ 4'-0"oc AMX. TOP OF CONCRETE ELEVATION PER PLAN.
- EXTRA REINFORCING BARS PLACING SEQUENCE:

14	A	19'-9"
----	---	--------

TOTAL LENGTH OF BAR IN FEET AND INCHES
SIZE OF BAR AND LOCATION IN SLAB AS NOTED BELOW
TOTAL NUMBER OF EXTRA BARS IN STRIP DEFINED ON PLAN

A. #5 EXTRA BOTTOM BARS WITH 1" CLEAR COVER BOTTOM. (PLACE WITH 1" CLEAR COVER BOTTOM MAT BARS.)

B. #5 EXTRA BOTTOM BARS WITH 1 3/4" CLEAR COVER BOTTOM. (PLACE WITH 1 3/4" CLEAR COVER BOTTOM MAT BARS.) PLACE ON TOP OF PERPENDICULAR (1" CLEAR COVER) BOTTOM MAT AND "A" BARS.

C. #6 TOP BARS WITH 1 3/4" CLEAR COVER WHERE TWO LAYERS OF BARS OCCUR AND 1" CLEAR COVER WHERE ONE LAYER OF BARS OCCUR ON IHC @ 4'-0" o.c. AND #5 SUPPORT BARS @ 4'-0" o.c.

D. #6 TOP BARS WITH 1" CLEAR COVER TOP. PLACE ON TOP OF "C" BARS WHERE THEY OCCUR OR OTHERWISE PLACE ON IHC AT 4'-0" o.c. AND #5 SUPPORT BARS AT 4'-0" o.c.
- REINFORCING SHALL BE SPLAYED AROUND OPENINGS LESS THAN 18" WIDE. REINFORCING SHALL BE CUT AT OPENINGS GREATER THAN 18" WIDE WITH EQUAL CONTINUOUS BARS ADDED ONE-HALF EACH SIDE OF OPENING. PROVIDE REINFORCING PER GENERAL NOTE 4F AT ALL OPENINGS LARGER THAN 8".
- STRIP LINES ARE LOCATED AT 1/4 POINTS BETWEEN COLUMN CENTERLINES UNLESS NOTED ON PLAN OTHERWISE.
- SEE DETAIL 3/53.10 FOR PLACING PATTERN FOR TOP REINFORCING BARS OVER INTERIOR COLUMN AS NOTED.
- TOP BARS SHOWN STAGGERED ON PLAN SHALL BE STAGGERED WHEN PLACED. THE END OF EVERY OTHER BAR TO BE PLACED AT RELATIVE STRIP LINE, UNLESS NOTED ON PLAN.
- BOTTOM BARS ARE SHOWN THUS SHALL HAVE A STANDARD ACI 90 DEG. HOOK.
- TOP BARS SHOWN ON PLAN THUS SHALL HAVE A STANDARD ACI 90 DEG. HOOK.
- UNLESS SHOWN ON "S" SERIES DRAWINGS, NO HOLES LARGER THAN TEN INCH DIAMETER SHALL BE PLACED THROUGH SLAB. NOT MORE THAN ONE, SIX TO EIGHT INCH DIAMETER HOLES, OR TWO FOUR INCH DIAMETER HOLES, OR THREE TWO INCH DIAMETER OR SMALLER HOLES SHALL BE PLACED WITHIN 20" OF THE FACE OF THE COLUMNS. CAMBER ALL SPANS BETWEEN 16'-0" AND 24'-0" (CENTERLINE TO CENTERLINE OF SUPPORTS) FOR L/600 MINIMUM AT MIDSPAN (WITH L = SPAN IN INCHES) (I.E., 3/8" AT MIDSPAN FOR 18'-0" SPAN. CAMBER ALL SPANS LONGER THAN 24'-0" FOR L/480 (I.E., 3/4" AT MIDSPAN FOR 30'-0" SPAN.) DO NOT CAMBER SLAB IN COURTYARD AREA WHEN DRAIN IS LOCATED AT CENTER OF SPAN.
- UNLESS SHOWN ON "S" SERIES DRAWINGS, NO HOLES LARGER THAN TEN INCH DIAMETER SHALL BE PLACED THROUGH SLAB. NOT MORE THAN ONE, SIX TO EIGHT INCH DIAMETER HOLES, OR TWO FOUR INCH DIAMETER HOLES, OR THREE TWO INCH DIAMETER OR SMALLER HOLES SHALL BE PLACED WITHIN 20" OF THE FACE OF THE COLUMNS.
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13" PODIUM & 18" (OVER POOL) PODIUM SLAB NOTES

- SEE GENERAL NOTES (STRUCTURAL) ON SHEET S0.01.
- PODIUM SLAB IS 16" THICK, AND REINFORCED WITH A CONTINUOUS (48" LAP AT COLUMN CENTERLINE OF COLUMN STRIPS AND 24" LAP AT COLUMN CENTERLINE OF MID-STRIPS) BOTTOM MAT OF #6 @ 12"oc EACH WAY. THE BOTTOM MAT EXTENDING EAST-WEST SHALL BE SUPPORTED ON 1" SLAB BOLSTERS @ 4'-0"oc AMX. TOP OF CONCRETE ELEVATION PER PLAN (STEP TOP OF SLAB AND SLOPE AS INDICATED AT EXTERIOR LOCATIONS.) ALL REINFORCEMENT ABOVE THE SWIMMING POOL SHALL BE EPOXY COATED. EXTRA REINFORCING BARS PLACING SEQUENCE:

14	A	19'-9"
----	---	--------

TOTAL LENGTH OF BAR IN FEET AND INCHES
SIZE OF BAR AND LOCATION IN SLAB AS NOTED BELOW
TOTAL NUMBER OF EXTRA BARS IN STRIP DEFINED ON PLAN

E. #6 EXTRA BOTTOM BARS WITH 1" CLEAR COVER BOTTOM. (PLACE WITH 1" CLEAR COVER BOTTOM MAT BARS.)

F. #6 EXTRA BOTTOM BARS WITH 1 7/8" CLEAR COVER BOTTOM. (PLACE WITH 1 7/8" CLEAR COVER BOTTOM MAT BARS.) PLACE ON TOP OF PERPENDICULAR (1" CLEAR COVER) BOTTOM MAT AND "E" BARS.

G. #7 TOP BARS WITH 2" CLEAR COVER WHERE TWO LAYERS OF BARS OCCUR AND 1" CLEAR COVER WHERE ONE LAYER OF BARS OCCUR ON IHC @ 4'-0" o.c. AND #5 SUPPORT BARS @ 4'-0" o.c.

H. #7 TOP BARS WITH 1" CLEAR COVER TOP. PLACE ON TOP OF "G" BARS WHERE THEY OCCUR OR OTHERWISE PLACE ON IHC AT 4'-0" o.c. AND #5 SUPPORT BARS AT 4'-0" o.c.

J. #6 TOP BARS WITH 1" CLEAR COVER TOP. PLACE ON IHC AT 4'-0" o.c. AND #5 SUPPORT BARS AT 4'-0" o.c.

K. #8 TOP BARS WITH 1" CLEAR COVER TOP. PLACE ON IHC AT 4'-0" o.c. AND #5 SUPPORT BARS AT 4'-0" o.c.
- REINFORCING SHALL BE SPLAYED AROUND OPENINGS LESS THAN 18" WIDE. REINFORCING SHALL BE CUT AT OPENINGS GREATER THAN 18" WIDE WITH EQUAL CONTINUOUS BARS ADDED ONE-HALF EACH SIDE OF OPENING. PROVIDE REINFORCING PER GENERAL NOTE 4F AT ALL OPENINGS LARGER THAN 8".
- STRIP LINES ARE LOCATED AT 1/4 POINTS BETWEEN COLUMN CENTERLINES UNLESS NOTED ON PLAN OTHERWISE.
- SEE DETAIL 3/53.10 FOR PLACING PATTERN FOR TOP REINFORCING BARS OVER INTERIOR COLUMN AS NOTED.
- TOP BARS SHOWN STAGGERED ON PLAN SHALL BE STAGGERED WHEN PLACED. THE END OF EVERY OTHER BAR TO BE PLACED AT RELATIVE STRIP LINE, UNLESS NOTED ON PLAN.
- BOTTOM BARS ARE SHOWN THUS SHALL HAVE A STANDARD ACI 90 DEG. HOOK.
- TOP BARS ARE SHOWN THUS SHALL HAVE A STANDARD ACI 90 DEG. HOOK.
- UNLESS SHOWN ON "S" SERIES DRAWINGS, NO HOLES LARGER THAN TEN INCH DIAMETER SHALL BE PLACED THROUGH SLAB. NOT MORE THAN ONE, SIX TO EIGHT INCH DIAMETER HOLES, OR TWO FOUR INCH DIAMETER HOLES, OR THREE TWO INCH DIAMETER OR SMALLER HOLES SHALL BE PLACED WITHIN 20" OF THE FACE OF THE COLUMNS.
- CAMBER ALL SPANS BETWEEN 16'-0" AND 24'-0" (CENTERLINE TO CENTERLINE OF SUPPORTS) FOR L/600 MINIMUM AT MIDSPAN (WITH L = SPAN IN INCHES) (I.E., 3/8" AT MIDSPAN FOR 18'-0" SPAN. CAMBER ALL SPANS LONGER THAN 24'-0" FOR L/480 (I.E., 3/4" AT MIDSPAN FOR 30'-0" SPAN.) DO NOT CAMBER SLAB IN COURTYARD AREA WHEN DRAIN IS LOCATED AT CENTER OF SPAN.

MARK	SIZE		SHAPE OR SECTION	QUANTITY	SIZE	TOTAL LENGTH	LONGITUDINAL STEEL			REMARKS	STIRRUPS			
	b	d					TOP	PLACED	BOT.		NO.	SHAPE	SPACING	
B1	32"	24"		2	7	31-0				1/4 PT. OF SPAN	#4		14@8"oc EE RMDR AT 12"oc	
				2	7	31-0								
				4	8	25-0								
				3	8	31-0								
				3	8	31-0								
B2	24"	24"		2	7	23-0					#4		AT 12"oc	
				2	8	25-0								
				2	8	23-0								
B3 B3R	36"	24"		2	8	19-0					#4		14@8"oc EE RMDR AT 10"oc	
				4	8	24-0								
				2	7	30-0								
				5	8	12-0								
				5	8	12-0								
B4	36"	24"		2	8	20-0					#4		12@8"oc EE RMDR AT 10"oc	
				2	8	25-0								
				3	8	25-0								

BEAM SCHEDULES

REBAR DEVELOPMENT LENGTH AND LAP SPICE SCHEDULE														
CONCRETE STRENGTH = 5000 psi					CONCRETE STRENGTH = 4000 psi					CONCRETE STRENGTH = 3500 psi				
CASE	DEVELOPMENT LENGTH OR CLASS A LAP		CLASS B LAP		CASE	DEVELOPMENT LENGTH OR CLASS A LAP		CLASS B LAP		CASE	DEVELOPMENT LENGTH OR CLASS A LAP		CLASS B LAP	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	24	24	24	24	#3	24	24	24	24	#3	24	24	26	24
#4	24	24	29	24	#4	25	24	33	25	#4	27	24	35	27
#5	28	24	36	28	#5	31	24	41	31	#5	33	26	43	33
#6	34	26	43	34	#6	37	29	49	37	#6	40	31	52	40
#7	49	38	63	49	#7	54	42	71	54	#7	58	45	75	58
#8	56	43	72	56	#8	62	48	81	62	#8	66	51	86	66
#9	63	48	81	63	#9	70	54	91	70	#9	75	58	97	75
#10	71	54	92	70	#10	79	61	102	79	#10	84	65	109	84
#11	78	60	102	78	#11	87	67	113	87	#11	93	72	121	93

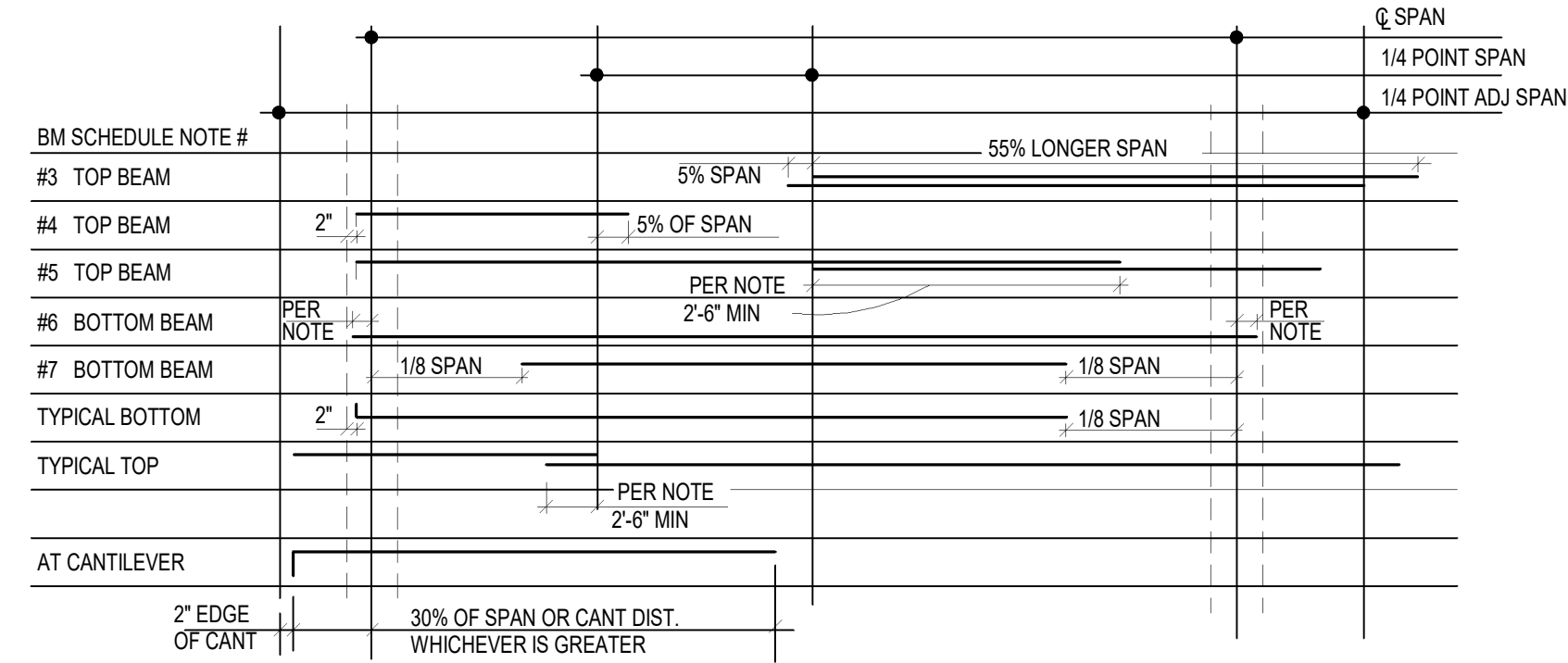
- NOTES:**
- UNLESS SPECIFICALLY INDICATED OTHERWISE, USE THE MINIMUM LENGTH FOR A CLASS B LAP SPICE OR THE MINIMUM DEVELOPMENT LENGTH INDICATED IN THE TABLES ABOVE MULTIPLIED BY THE APPLICABLE FACTOR(S) LISTED BELOW.
 - WHERE THE CLEAR SPACING BETWEEN BARS LAP SPICED OR EMBEDDED AT ANY SECTION IS LESS THAN 2 BAR DIAMETERS, OR WHERE THE BAR COVER IS LESS THAN OR EQUAL TO THE BAR DIAMETER, INCREASE THE INDICATED BAR SPICE OR DEVELOPMENT LENGTH BY 50%.
 - TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
 - MECHANICAL COUPLERS MAY BE SUBSTITUTED FOR TENSION LAP SPICED BARS PROVIDED THAT THEY MEET THE REQUIREMENTS OF ACI 318-11, 12.14.
 - AT LOCATIONS WHERE REINFORCING WITHIN A STRUCTURAL ELEMENT WILL BE SPICED, ALTERNATING SPICES SHALL BE STAGGERED A MINIMUM OF THE CLASS B SPICE LENGTH UNLESS INDICATED OTHERWISE.

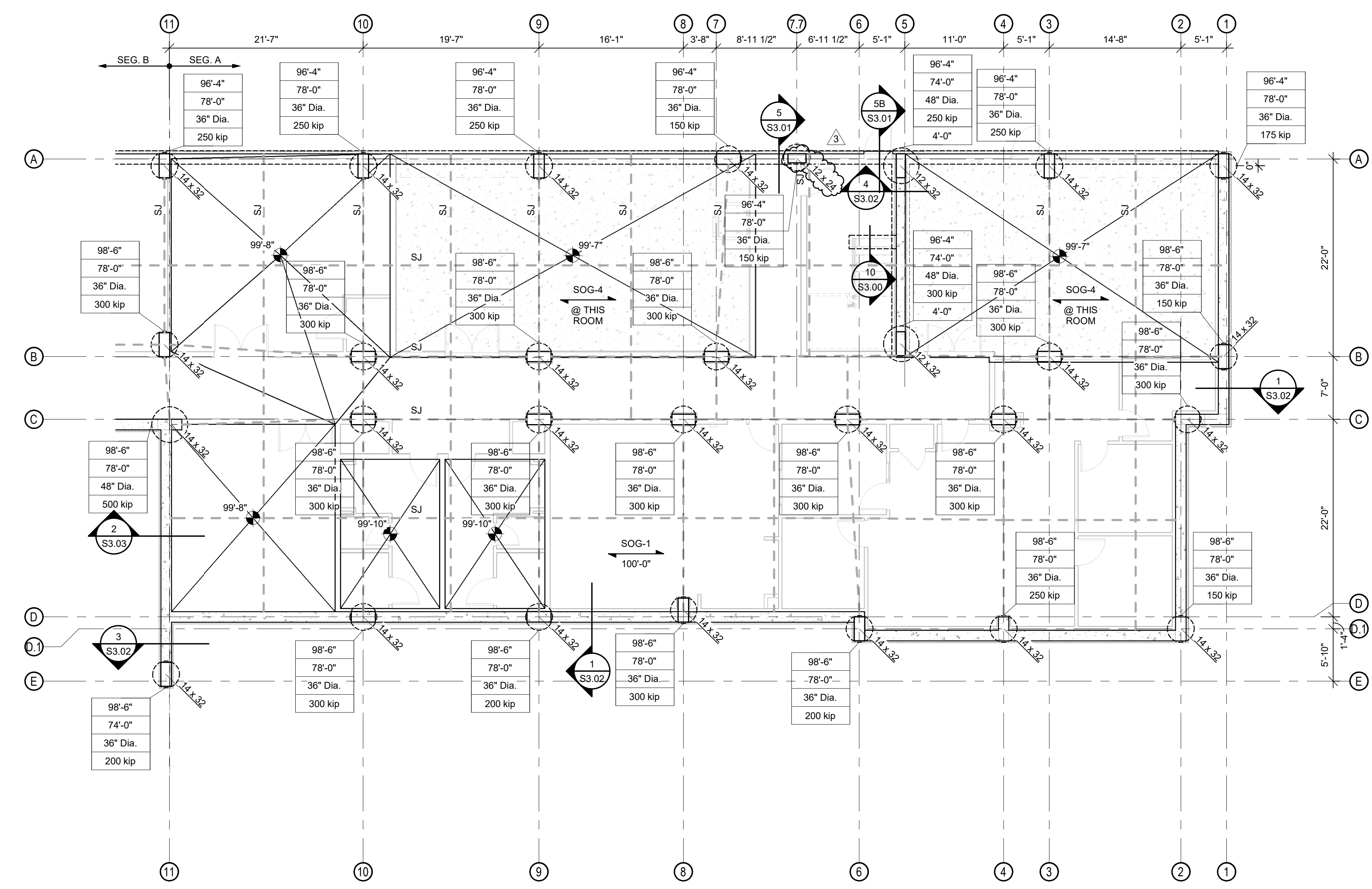
BEAM SCHEDULE PLACING NOTES

- See General Notes (Structural) on sheet S0.01.
- Orientation of beams in schedule are as seen from the bottom or right of the plan sheet.
- Center group of top bars indicated thus in "placed" schedule on centerline of support. Stagger bars 5% of longer span. Bar length = 55% of longer span.
- Top bars scheduled thus extend 2" from face of exterior soffit to 5% of span past 1/4 point of span.
- All lapped top bars shall have a minimum of lap of 2'-6" or 48 bar diameters. Perimeter beams shall have two bars lapped a minimum of 66 bar diameters.
- Bottom bars indicated thus in "placed" schedule to have scheduled bars extend 12" past centerline of support each end and a minimum 2 bars with a 66 bar diameter lap.
- Bottom bars scheduled thus extend to within 1/8 point of span.
- Start stirrups 2" from face of support each end unless noted.
- All bars shown thus to have standard ACI hook. Extend to within 2" of exterior face.
- No holes, sleeves, or conduit larger than 1" diameter round shall be put through beams without written authorization from the engineer. All conduit shall be PVC (non metallic).
- Splice length at bars of different sizes shall be based on the larger of the two bar diameters.

BEAM PLACEMENT SCHEDULE

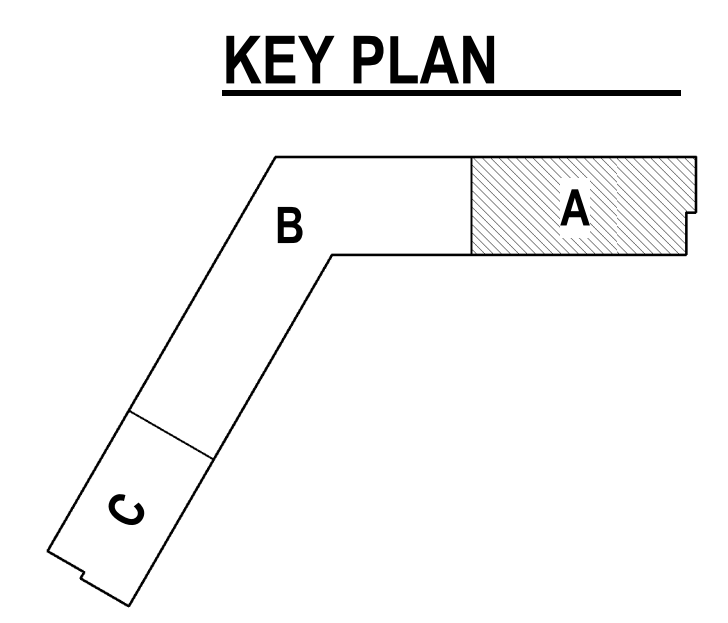
NOTE: ALL SIMILAR CONDITIONS TO BE PLACED PER THE PLACING SCHEDULE.





1 FOUNDATION PLAN - SEGMENT A
1/8" = 1'-0"

- FOUNDATION NOTES:**
1. REFER TO GENERAL NOTES ON SHEET S0.01.
 2. REFER TO CIVIL AND ARCH DRAWING FOR SLAB & FINISH FLOOR ELEVATIONS.
 3. TOP OF FOOTING ELEVATIONS = 99'-0"
 4. STRUCTURAL ELEVATION 100'-0" EQUALS CIVIL DATUM ELEVATION 930'-0"
 5. REFER TO PIER SCHEDULE ON S0.10.
 6. REFER TO ARCH AND MEP DRAWINGS FOR LOCATIONS OF SPOT AND TRENCH DRAINS.
 7. REFER TO CONCRETE COLUMN SCHEDULE ON S0.10.
 8. REFER TO S3.00 SERIES DRAWINGS FOR TYPICAL FOUNDATION DETAILS.



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DRAWING RELEASE LOG

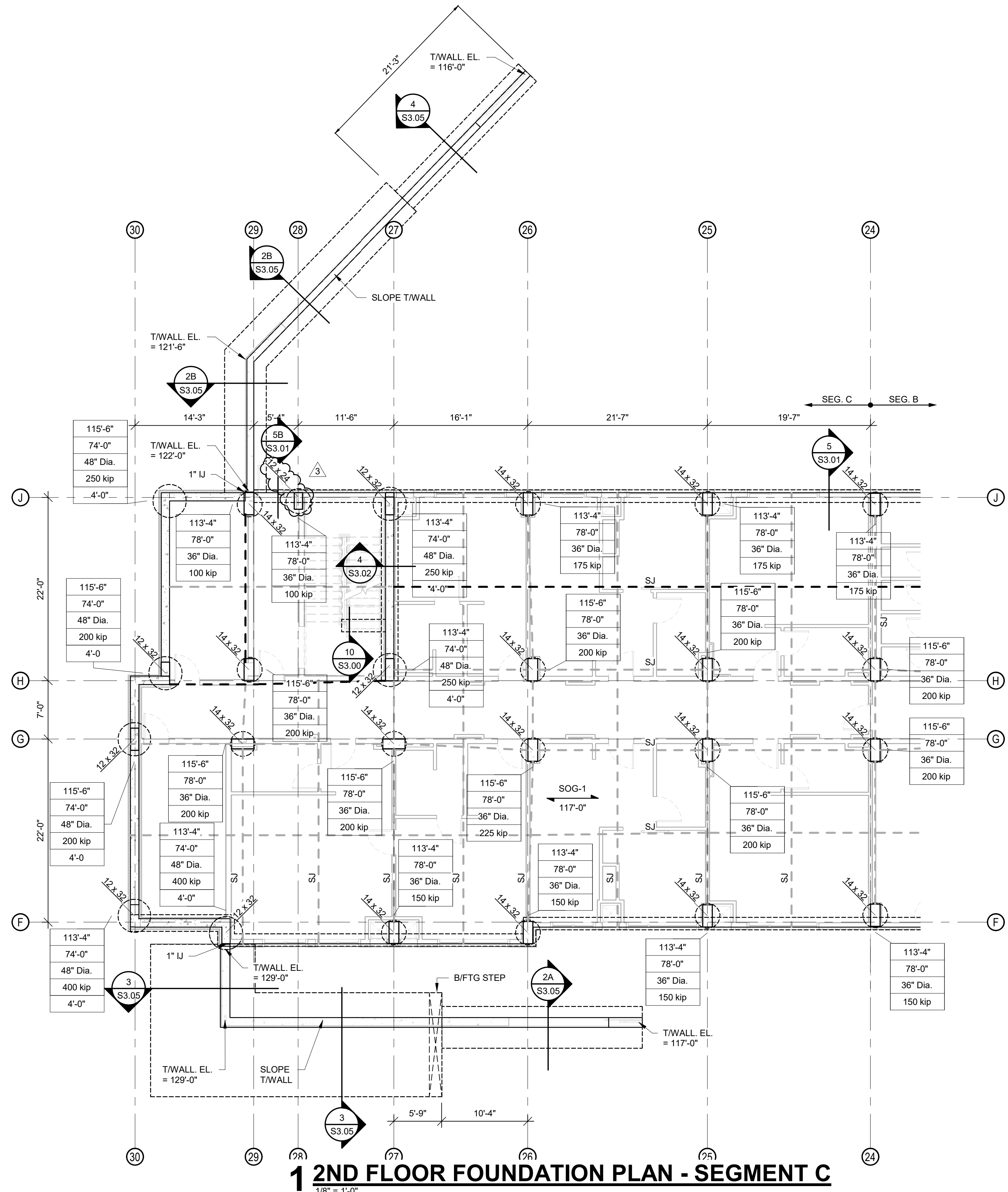
- 19 0626 - PERMIT SUBMITTAL
- 19 0814 - BID SET

REVISIONS:

- 1 10/20 PERMIT REVISION 1
- 2 10/20 PERMIT REVISION 1
- 3 10/20 ADDENDUM 1

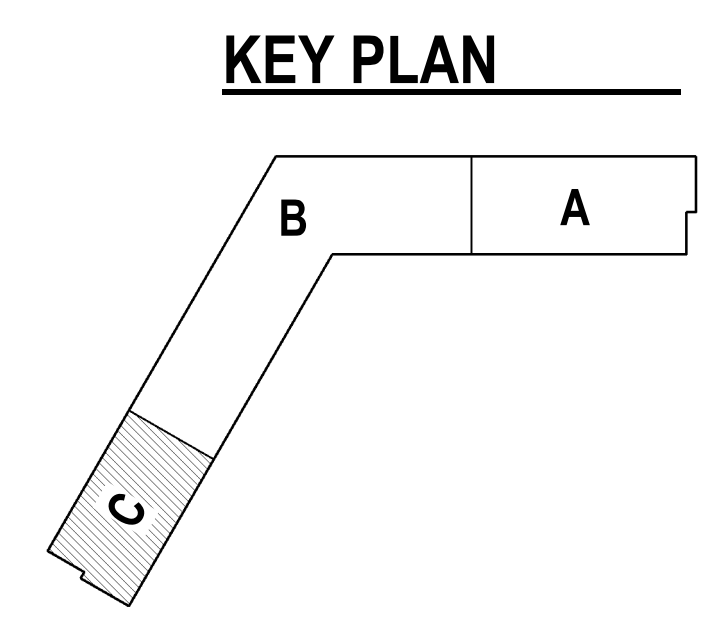
DATE:
06/26/19
JOB NO.
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DRAWN BY:
CAB/JLF
SHEET NO.

S2.10



1 2ND FLOOR FOUNDATION PLAN - SEGMENT C
1/8" = 1'-0"

- FOUNDATION NOTES:**
1. REFER TO GENERAL NOTES ON SHEET S0.01.
 2. REFER TO CIVIL AND ARCH DRAWING FOR SLAB & FINISH FLOOR ELEVATIONS.
 3. TOP OF FOOTING ELEVATIONS = 116'-0".
 4. STRUCTURAL ELEVATION 100'-0" EQUALS CIVIL DATUM ELEVATION 930'-0".
 5. REFER TO PIER SCHEDULE ON S0.10.
 6. REFER TO ARCH AND MEP DRAWINGS FOR LOCATIONS OF SPOT AND TRENCH DRAINS.
 7. REFER TO CONCRETE COLUMN SCHEDULE ON S0.10.
 8. REFER TO S3.00 SERIES DRAWINGS FOR TYPICAL FOUNDATION DETAILS.



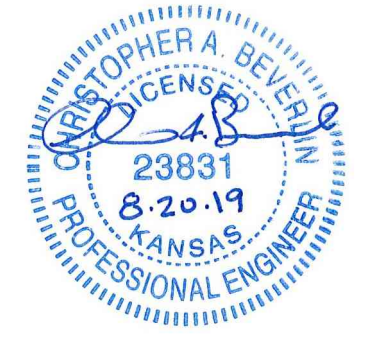
- REVISIONS:**
1. 10/20 PERMIT REVISION 1
 2. 10/20 PERMIT SUBMITTAL
 3. 10/20 ADDENDUM 1

DATE:
06/26/19
JOB NO.
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SHEET NO.

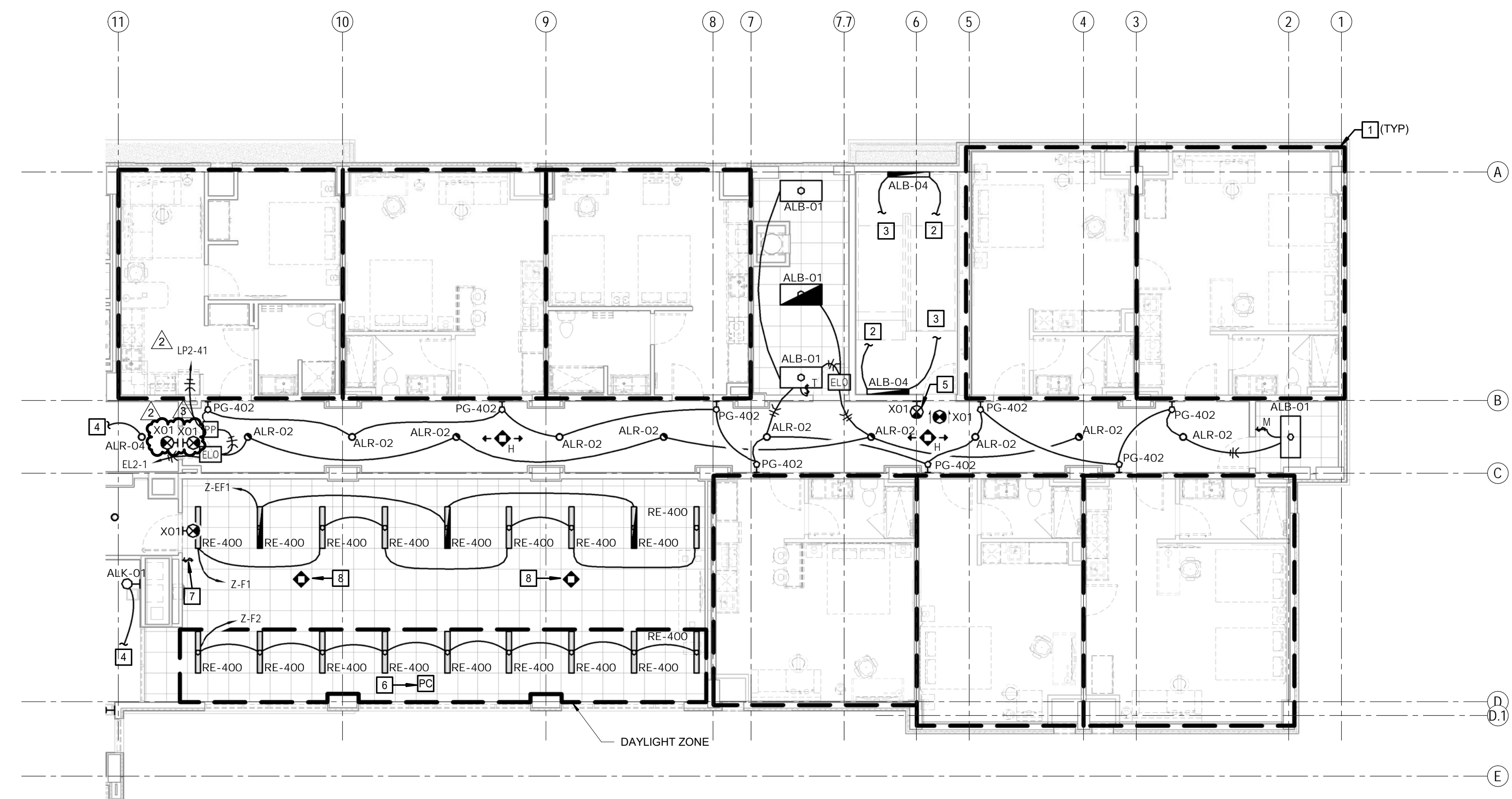
S2.31

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1 SEGMENT A - LEVEL 2 - LIGHTING
1/8" = 1'-0"

GENERAL NOTES:
1. REFER TO SHEET E1.10 FOR ALL LIGHTING GENERAL NOTES.

PLAN NOTES:
1 REFER TO ENLARGED UNIT PLANS FOR LIGHTING FIXTURE LOCATIONS AND CIRCUITING.
2 CIRCUIT CONTINUED ON FLOOR ABOVE.
3 CIRCUIT CONTINUED ON FLOOR BELOW.
4 CIRCUIT CONTINUED TO AREA B. REFER TO SHEET E1.22.
5 CODE REQUIRED LOW LEVEL EXIT SIGN FOR GUESTROOM CORRIDORS. THE BOTTOM OF SIGN SHALL BE WITHIN 4" OF THE EXIT DOOR FRAME.
6 DIMMING SYSTEM PHOTOCELL. REFER TO DETAILS ON SHEET E4.12 FOR MORE INFORMATION.
7 LIGHTING CONTROL SYSTEM TOUCHPAD LOCATION. REFER TO DETAILS ON SHEET E4.12 FOR MORE INFORMATION.
8 DIMMING SYSTEM OCCUPANCY SENSOR. REFER TO DETAILS ON SHEET E4.12 FOR MORE INFORMATION.

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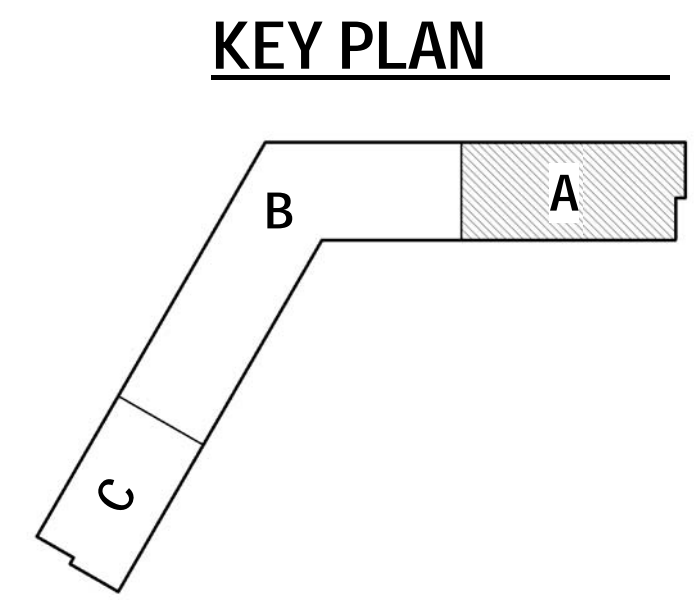
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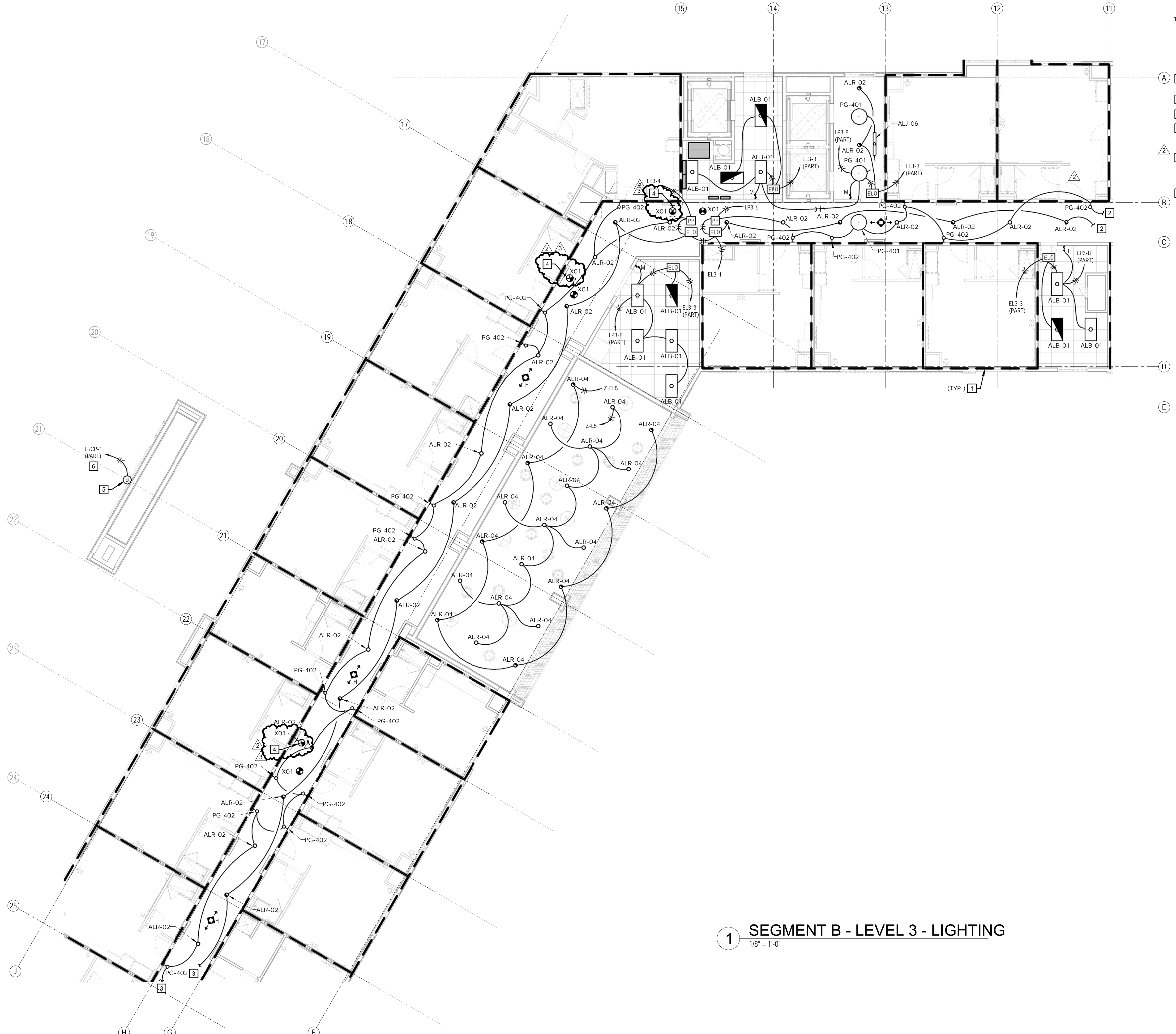
REVISIONS:
2 19 0820 PERMIT REVISION 1
3 19 0820 ADDENDUM 1



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DRAWN BY:
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SHEET NO.

smith&boucher
ENGINEERS
25501 west valley parkway, suite 200 olathe, ks 66061
phone 913.345.2127 fax 913.345.0617
project number 1827700

E1.12



GENERAL NOTES:

1. REFER TO SHEET E1.10 FOR ALL LIGHTING GENERAL NOTES.

PLAN NOTES:

- 1 REFER TO ENLARGED UNIT PLANS FOR LIGHTINGS FIXTURE LOCATIONS AND CIRCUITING.
- 2 CIRCUIT CONTINUED TO AREA A. REFER TO SHEET E1.13.
- 3 CIRCUIT CONTINUED TO AREA C. REFER TO SHEET E1.33.
- 4 CODE REQUIRED LOW LEVEL EXIT SIGN FOR GUESTROOM CORRIDORS. THE BOTTOM OF SIGN SHALL BE WITHIN 4" OF THE EXIT DOOR FRAME.
- 5 ELECTRIC CONNECTION TO BUILDING SIGNAGE. COORDINATE EXACT LOCATION AND INSTALLATION WITH ARCHITECTURAL ELEVATION WITH ARCHITECTURAL ELEVATIONS AND PRODUCT SUBMITTALS.
- 6 CIRCUIT WITH (2) #18, #10G., IN 3/4".

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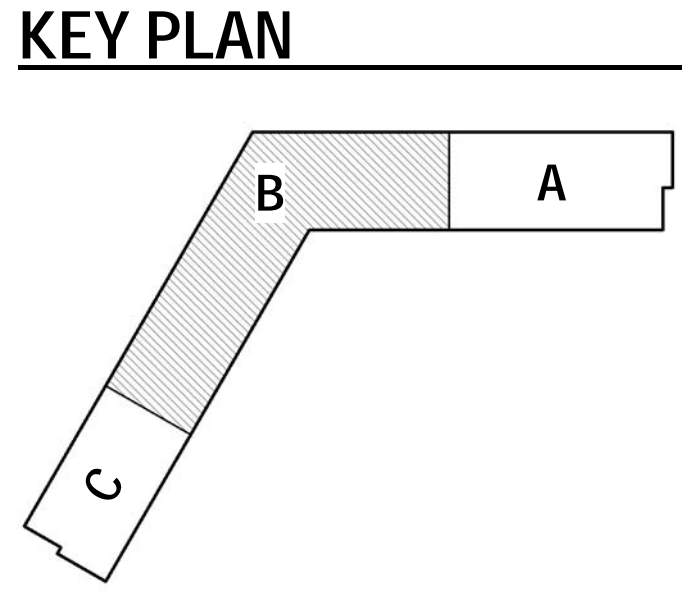
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- 19 0626 - PERMIT SUBMITTAL
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REVISIONS:

2	19 0820	PERMIT REVISION 1
3	19 0820	ADDENDUM 1

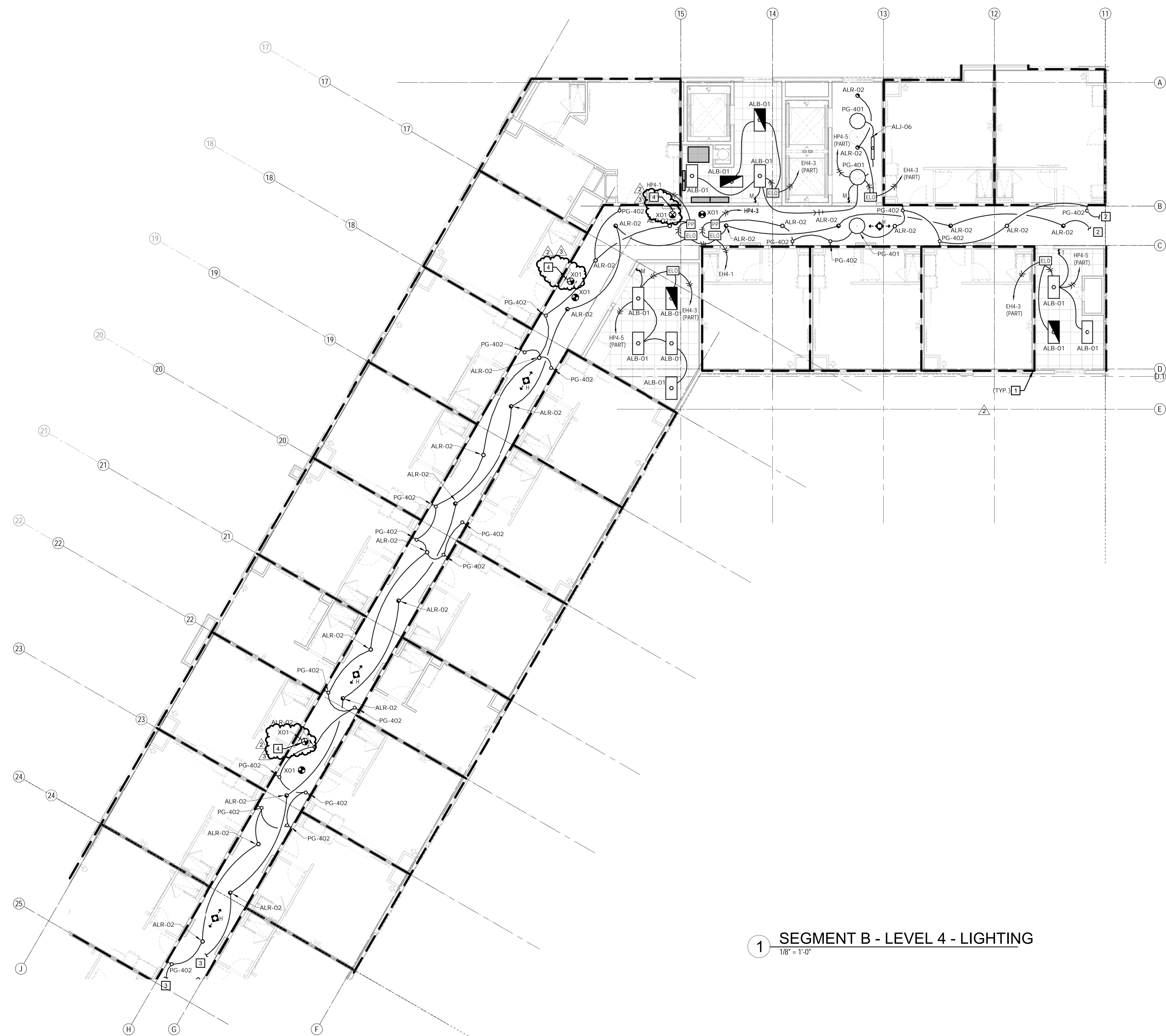
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1 SEGMENT B - LEVEL 3 - LIGHTING
1/8" = 1'-0"

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GENERAL NOTES:
 1. REFER TO SHEET E1.10 FOR ALL LIGHTING GENERAL NOTES.

PLAN NOTES:
 1 REFER TO ENLARGED UNIT PLANS FOR LIGHTINGS FIXTURE LOCATIONS AND CIRCUITING.
 2 CIRCUIT CONTINUED TO AREA A. REFER TO SHEET E1.14.
 3 CIRCUIT CONTINUED TO AREA C. REFER TO SHEET E1.34.
 4 CODE REQUIRED LOW LEVEL EXIT SIGN FOR GUESTROOM CORRIDORS. THE BOTTOM OF SIGN SHALL BE WITHIN 4" OF THE EXIT DOOR FRAME.

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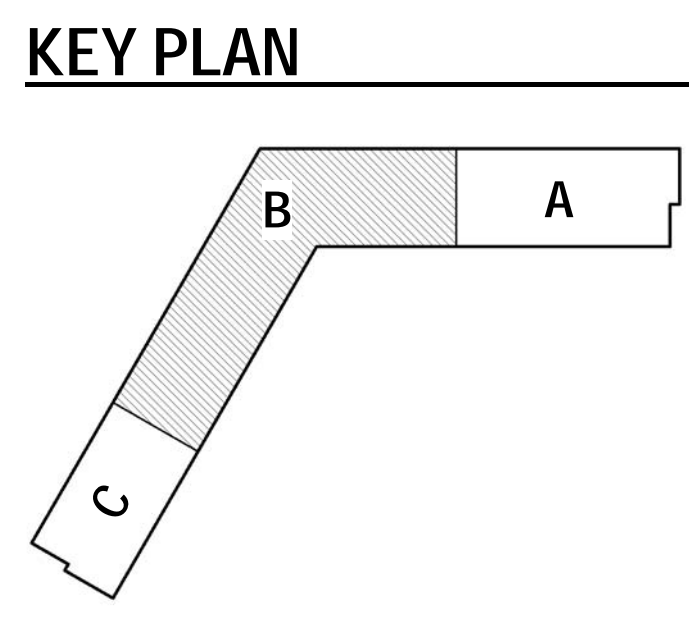


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 2 19 0820 PERMIT REVISION 1
 3 19 0820 ADDENDUM 1

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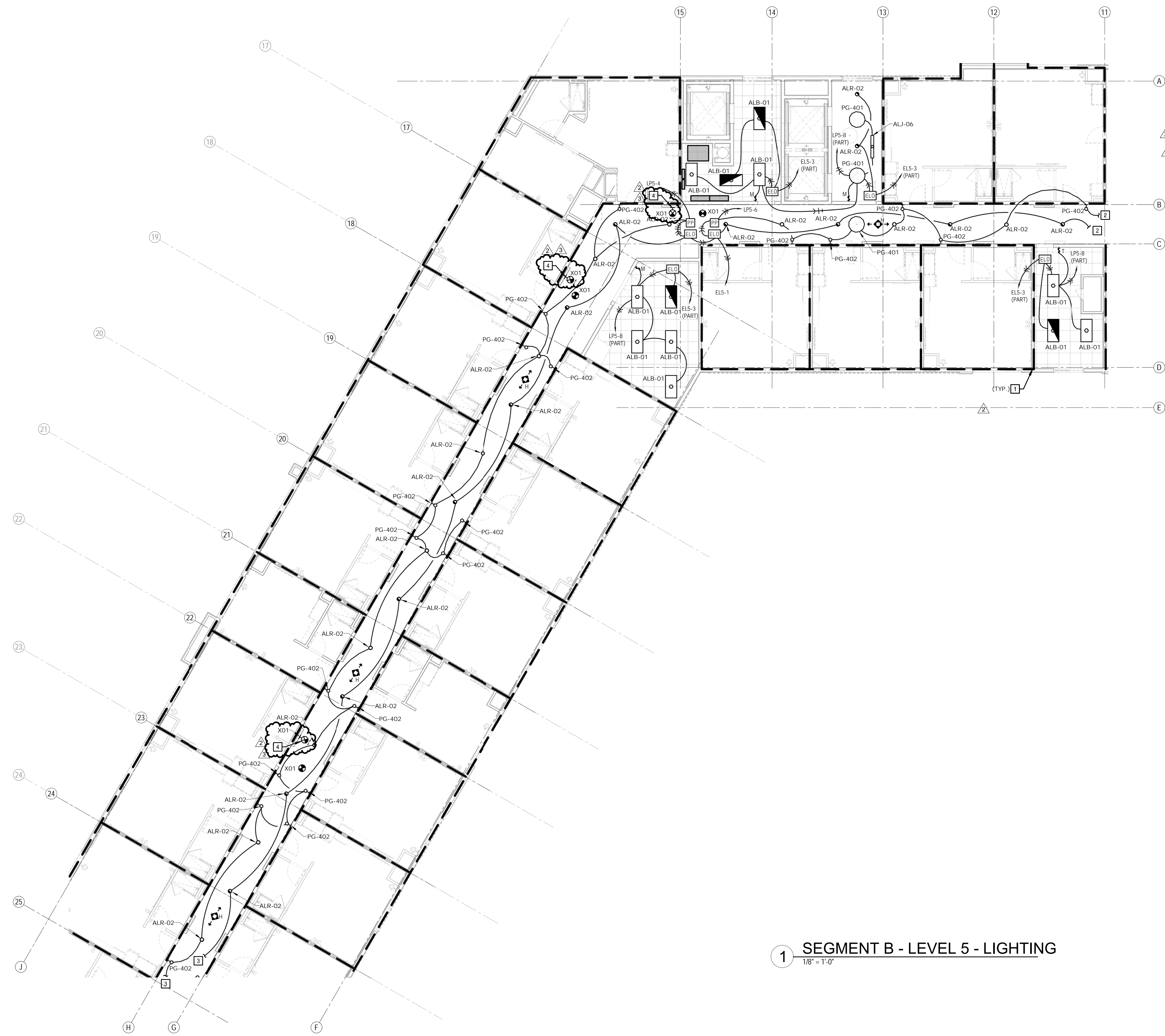


1 SEGMENT B - LEVEL 4 - LIGHTING
 1/8" = 1'-0"

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 project number 1827700

E1.24



- GENERAL NOTES:**
- REFER TO SHEET E1.10 FOR ALL LIGHTING GENERAL NOTES.
- PLAN NOTES:**
- REFER TO ENLARGED UNIT PLANS FOR LIGHTINGS FIXTURE LOCATIONS AND CIRCUITING.
 - CIRCUIT CONTINUED TO AREA A. REFER TO SHEET E1.15.
 - CIRCUIT CONTINUED TO AREA C. REFER TO SHEET E1.35.
 - CODE REQUIRED LOW LEVEL EXIT SIGN FOR GUESTROOM CORRIDORS. THE BOTTOM OF SIGN SHALL BE WITHIN 4" OF THE EXIT DOOR FRAME.

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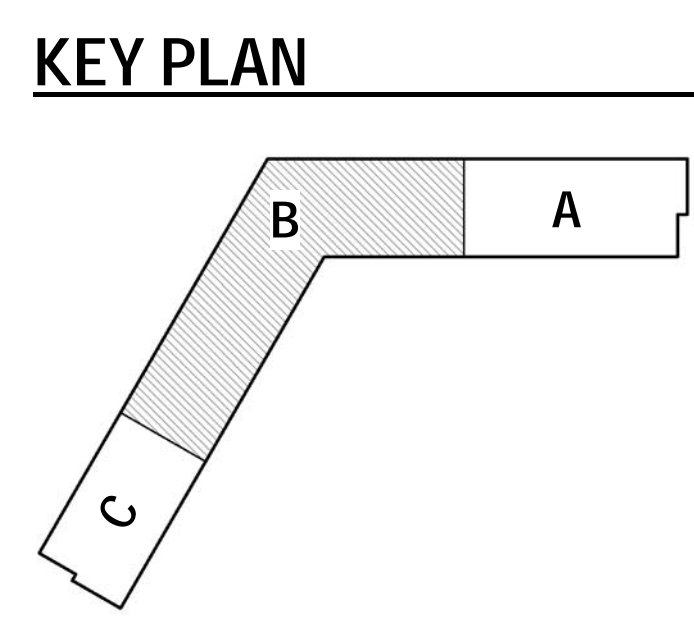
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REVISIONS:

2	19 0820	PERMIT REVISION 1
3	19 0820	ADDENDUM 1

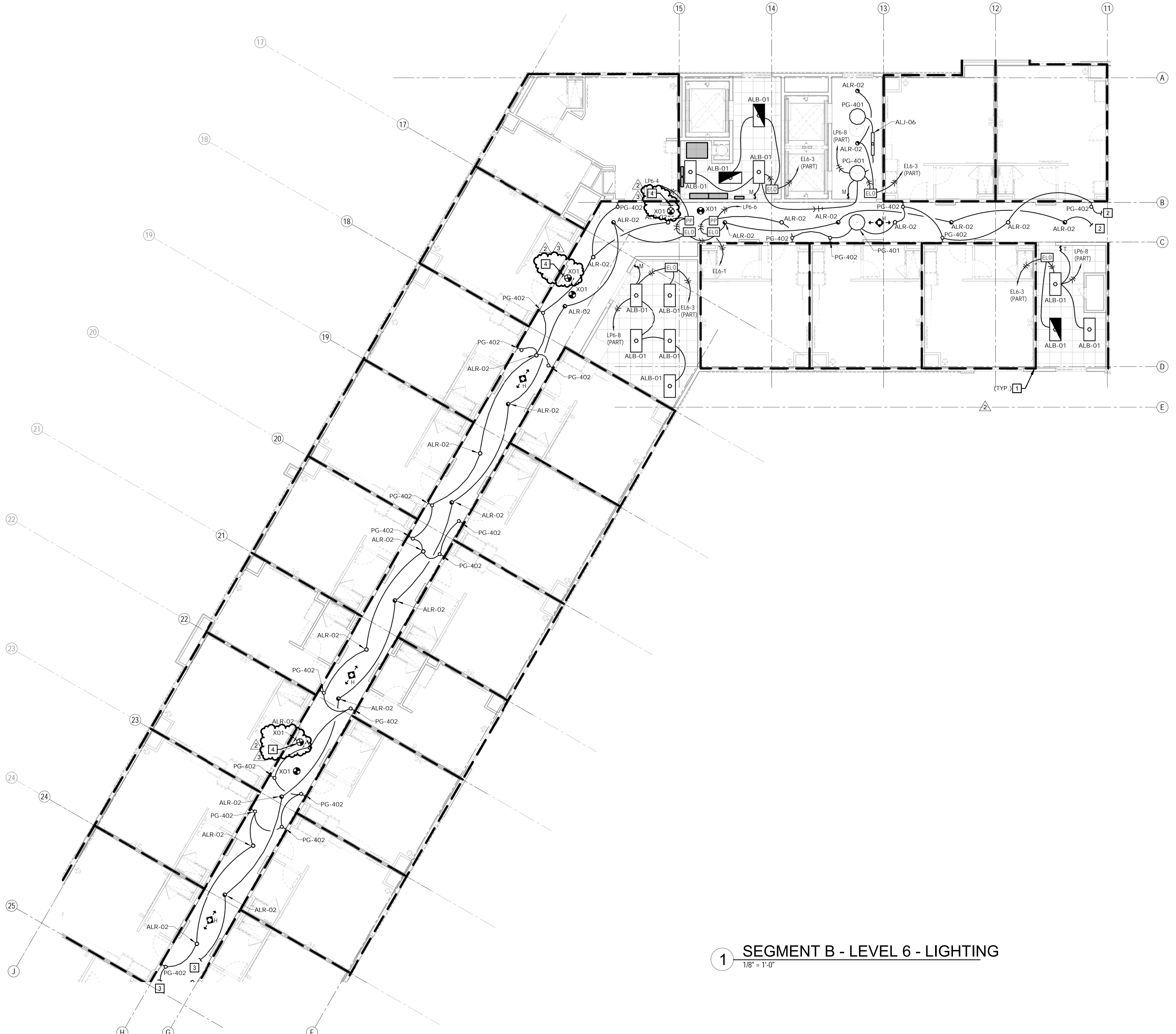
1 SEGMENT B - LEVEL 5 - LIGHTING
1/8" = 1'-0"

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SHEET NO.

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project number 1827700

E1.25



GENERAL NOTES:

1. REFER TO SHEET E1.10 FOR ALL LIGHTING GENERAL NOTES.

PLAN NOTES:

1 REFER TO ENLARGED UNIT PLANS FOR LIGHTINGS FIXTURE LOCATIONS AND CIRCUITING.

2 CIRCUIT CONTINUED TO AREA A. REFER TO SHEET E1.16.

3 CIRCUIT CONTINUED TO AREA C. REFER TO SHEET E1.36.

4 CODE REQUIRED LOW LEVEL EXIT SIGN FOR GUESTROOM CORRIDORS. THE BOTTOM OF SIGN SHALL BE WITHIN 4" OF THE EXIT DOOR FRAME.

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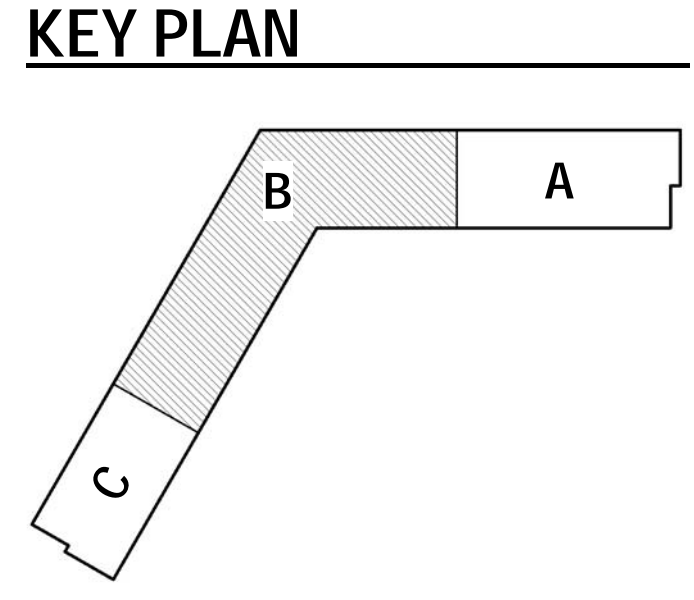
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- 19 0626 - PERMIT SUBMITTAL
- 19 0814 - BID SET



REVISIONS:

2	19 0820	PERMIT REVISION 1
3	19 0820	ADDENDUM 1

1 SEGMENT B - LEVEL 6 - LIGHTING
1/8" = 1'-0"

DATE:
08/14/19

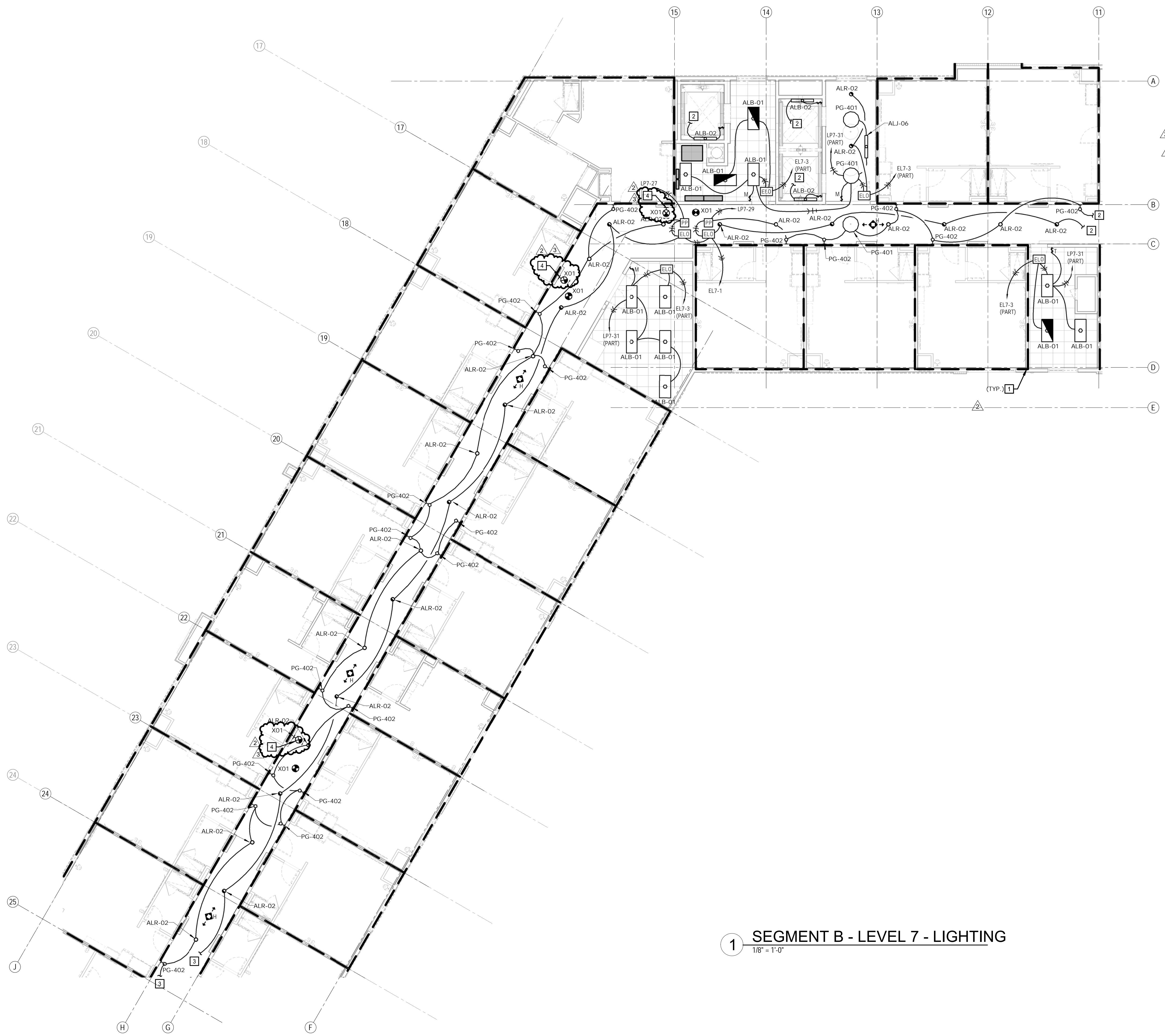
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- GENERAL NOTES:**
1. REFER TO SHEET E1.10 FOR ALL LIGHTING GENERAL NOTES.
- PLAN NOTES:**
- 1 REFER TO ENLARGED UNIT PLANS FOR LIGHTINGS FIXTURE LOCATIONS AND CIRCUITING.
 - 2 CIRCUIT CONTINUED TO AREA A. REFER TO SHEET E1.17.
 - 3 CIRCUIT CONTINUED TO AREA C. REFER TO SHEET E1.37.
 - 4 CODE REQUIRED LOW LEVEL EXIT SIGN FOR GUESTROOM CORRIDORS. THE BOTTOM OF SIGN SHALL BE WITHIN 4" OF THE EXIT DOOR FRAME.

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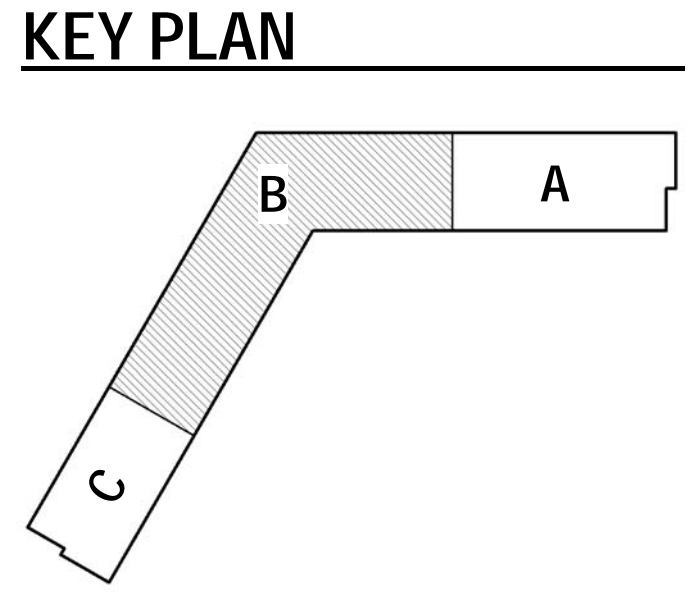
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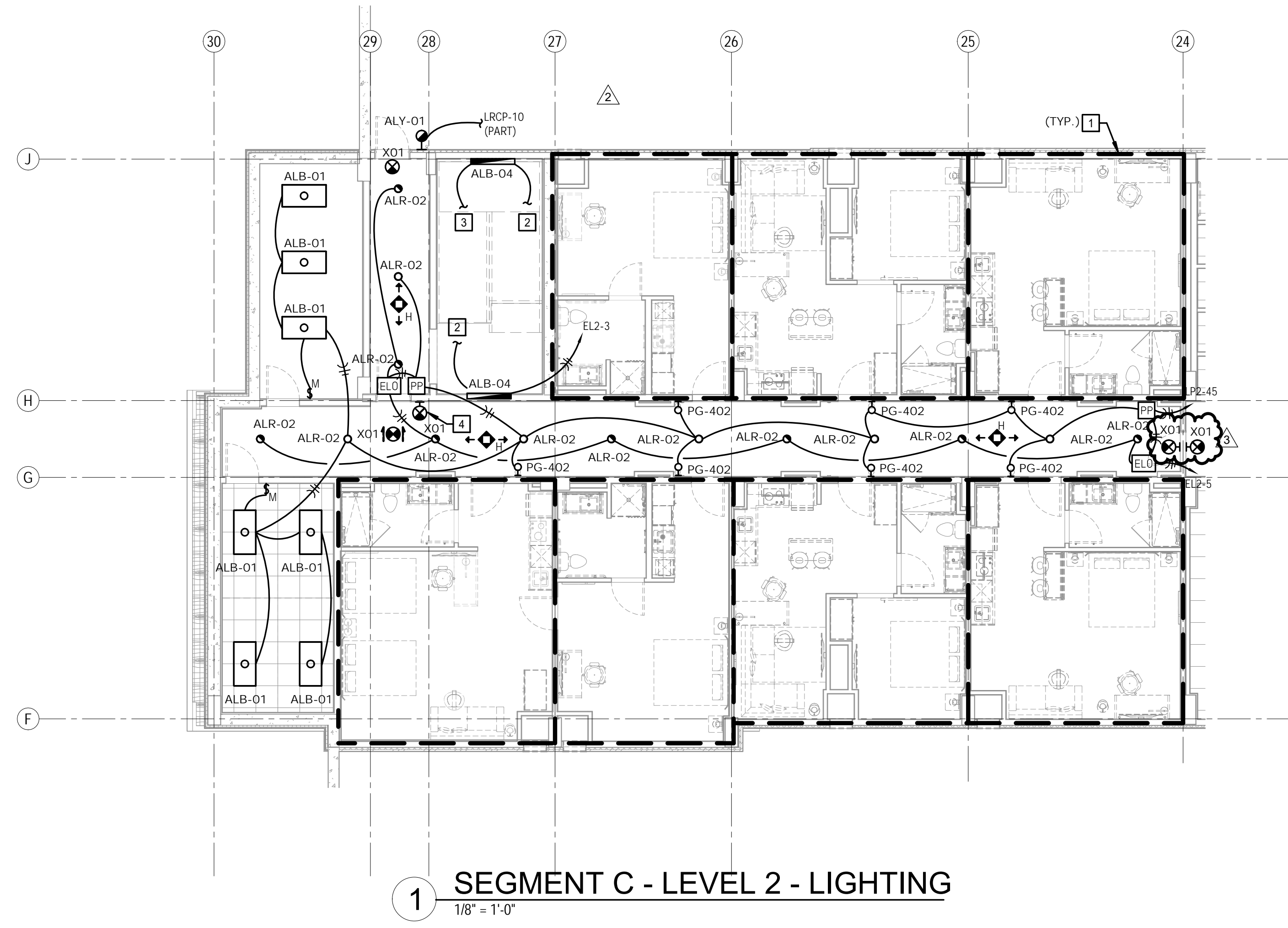
2	19 0820	PERMIT REVISION 1
3	19 0820	ADDENDUM 1

1 SEGMENT B - LEVEL 7 - LIGHTING
1/8" = 1'-0"

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JOB NO. 617918
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SHEET NO. **E1.27**



1 SEGMENT C - LEVEL 2 - LIGHTING
1/8" = 1'-0"

GENERAL NOTES:
1. REFER TO SHEET E1.10 FOR ALL LIGHTING GENERAL NOTES.

PLAN NOTES:
1 REFER TO ENLARGED UNIT PLANS FOR LIGHTINGS FIXTURE LOCATIONS AND CIRCUITING.
2 CIRCUIT CONTINUED TO FLOOR ABOVE.
3 CIRCUIT CONTINUED TO FLOOR BELOW.
4 CODE REQUIRED LOW LEVEL EXIT SIGN FOR GUESTROOM CORRIDORS. THE BOTTOM OF SIGN SHALL BE WITHIN 4" OF THE EXIT DOOR FRAME.

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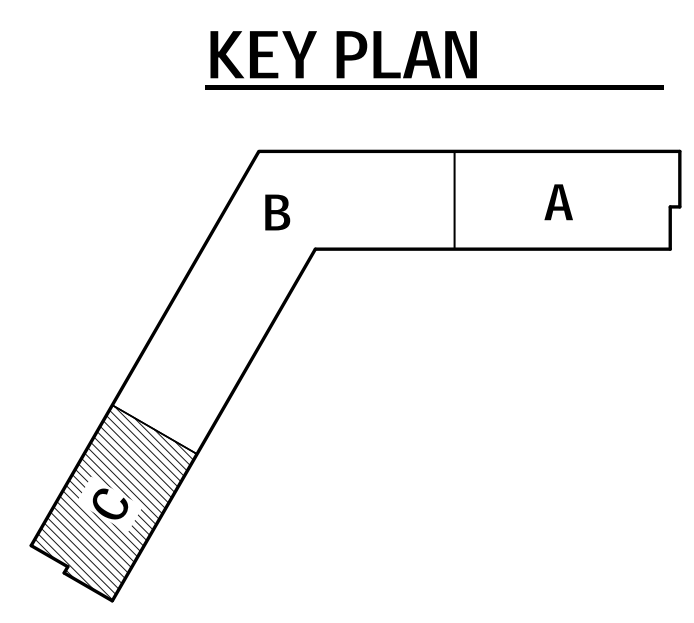
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 3 19 0820 ADDENDUM 1



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project number 1827700

E1.32

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes photoluminescent egress path markings.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For photoluminescent egress path markings.
- C. Samples: For each exposed product and for each color and texture specified.

1.3 INFORMATIONAL SUBMITTALS

- A. Product test reports.
- B. Sample warranties.

1.4 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to replace photoluminescent egress path markings that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: 25 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Luminance: Comply with one of the following; testing by a qualified testing agency:
 - 1. UL 1994.
 - 2. ASTM E2072; except that the charging source shall be 1 foot-candle (11 lux) of fluorescent illumination for 60 min., and the minimum luminance shall be 30 millicandelas/sq. m after 10 min. and 5 millicandelas/sq. m after 90 min.

2.2 PHOTOLUMINESCENT EGRESS PATH MARKINGS

- A. Photoluminescent Egress Path Markings: Photoluminescent products containing no radioactive materials and requiring no electrical power.

1. Products shall be as manufactured by one of the following: American Permalight, Inc., Bright Path Lighting, Inc., Everglow NA, Inc., or JALITE, Inc.
- B. Exit Signs: Rigid plastic or aluminum sign for low-level mounting, with emergency exit symbol complying with NFPA 170; with self-adhesive backing; with a minimum height of 4 inches (102 mm); and with running man symbol facing right or left to suit installation condition.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install photoluminescent egress path markings according to manufacturer's written instructions.

END OF SECTION 104513

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Dry-Type Distribution And Specialty Transformers Rated 1000 V And Less.
 - a. General-Purpose Distribution and Power Transformers
 - b. Buck-Boost Transformers
 - c. Control and Signal Transformers
- B. Related Sections:
 - 1. Section 26 05 26 (16060) - Grounding and Bonding for Electrical Systems.
 - 2. Section 26 05 53 (16075) – Identification for Electrical Systems.

1.02 REFERENCES

- A. [Institute of Electrical and Electronics Engineers \(IEEE\)](#) Publications:
 - 1. C2 “ASC C2 Eighth Interim Collection of the National Electrical Safety Code”
 - 2. C57.12.28 “IEEE Standard for Pad-Mounted Equipment-Enclosure Integrity”
 - 3. C57.12.91 “IEEE Standard Test Code for Dry-Type Distribution and Power Transformers”
- B. [InterNational Electrical Testing Association](#)
- C. [National Electrical Manufacturer’s Association \(NEMA\)](#) Standards Publications:
 - 1. 250 “Enclosures for Electrical Equipment (1000 Volts Maximum)”
 - 2. ST 1 “Specialty Transformers (Except General Purpose Type)”
 - 3. ST 20 “Dry Type Transformers for General Applications”
 - 4. TP2 “Standard Test Method for Measuring the Energy Consumption of Distribution Transformers”
- D. [National Fire Protection Association \(NFPA\)](#) Publications:
 - 1. 70 “National Electric Code”
- E. [National Institute for Certification in Engineering Technologies](#)
- F. [Occupational Safety & Health Administration \(OSHA\)](#) Regulations:
 - 1. 1910.7 “Definition and Requirements for a Nationally Recognized Testing Laboratory”
- G. [Underwriter's Laboratories, Inc. \(UL\)](#) Standards:
 - 1. 486A “Standard For Wire Connectors and Soldering Lugs for Use with Copper Conductors”
 - 2. 486B “Standard for Wire Connectors for Use with Aluminum Conductors”
 - 3. 506 “Standard for Specialty Transformers
 - 4. 1561 “Standard for Dry-Type General Purpose and Power Transformers”

1.03 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 01 Specification Sections.
- B. Submit “Letter of Conformance” in accordance with Section 01 33 00 (01330) indicating specified items selected for use in project with the following supporting data.

1. Product Data:
 - a. Include data on features, components, ratings, and performance for each type of transformer specified. Include dimensioned plans, sections, and elevation views. Show minimum clearances and installed devices and features.
2. Wiring Diagrams: Detail wiring and identify terminals for tap changing and connecting field-installed wiring.
3. Product Certificates: Signed by manufacturers of transformers certifying that the products furnished comply with requirements.
4. Qualification Data: For firms and persons specified in "Quality Assurance" Article.
5. Field Test Reports: Indicate and interpret test results for tests specified in Part 3.
6. Maintenance Data: For transformers to include in the maintenance manuals specified in Division 01.

1.04 QUALITY ASSURANCE

- A. Testing Agency Qualifications: In addition to requirements specified in Section 01 45 00 "Quality Control," an independent testing agency shall meet [OSHA](#) criteria for accreditation of testing laboratories, Title 29, Part 1907; or shall be a full-member company of the [InterNational Electrical Testing Association](#).
 1. Testing Agency's Field Supervisor: Person currently certified by the [InterNational Electrical Testing Association](#) or the [National Institute for Certification in Engineering Technologies](#), to supervise on-site testing specified in Part 3.
- B. Listing and Labeling: Provide transformers specified in this Section that are listed and labeled.
 1. The Terms "Listed" and "Labeled": As defined in [NFPA 70](#), Article 100.
 2. Listing and Labeling Agency Qualifications: A "Nationally Recognized Testing Laboratory" as defined in [OSHA](#) Regulation 1910.7.
- C. Comply with [IEEE C2](#).
- D. Comply with [NFPA 70](#).

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Temporary Heating: Apply temporary heat according to manufacturer's written instructions within the enclosure of each ventilated-type unit throughout periods during which equipment is not energized and is not in a space that is continuously under normal control of temperature and humidity.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Avendra, LLC Preferred Manufacturers:
 1. None.
- B. Approved Manufacturers:
 1. [Acme Electric Corp.; Transformer Division](#) (800-334-5214)
 2. [Cutler-Hammer/Eaton Corp.](#) (800-498-2678)
 3. [GE Electrical Distribution & Control](#) (800-431-7867)
 4. [Siemens Energy & Automation, Inc.](#) (800-964-4114)
 5. [Square D; a Division of Groupe Schneider](#) (888-778-2733)

2.02 TRANSFORMERS, GENERAL

- A. Description: Factory-assembled and -tested, air-cooled units of types specified, designed for 60-Hz service.
- B. Cores: Grain-oriented, non-aging silicon steel.
- C. Coils: Continuous windings without splices, except for taps.
- D. Internal Coil Connections: Brazed or pressure type.
- E. Enclosure: Class complies with [NEMA](#) 250 for the environment in which installed.

2.03 GENERAL-PURPOSE DISTRIBUTION AND POWER TRANSFORMERS

- A. Comply with [NEMA](#) ST 20 and list and label as complying with [UL](#) 1561.
- B. Energy Efficiency for Transformers Rated 15 KVA and Larger:
 - 1. Comply with NEMA TP1, Class 1 efficiencies.
 - 2. Tested according to [NEMA](#) TP2.
- C. Cores: One leg per phase.
- D. Windings: One coil per phase in primary and secondary.
- E. Enclosure: Indoor, ventilated.
- F. Insulation Class: 185 or 220 deg C class for transformers 15 kVA or smaller; 220 deg C class for transformers larger than 15 kVA.
 - 1. Rated Temperature Rise: 115 deg C maximum rise above 40 deg C.
- G. Taps: For transformers 3 kVA and larger, full-capacity taps in high-voltage windings are as follows:
 - 1. Taps, 3 through 10 kVA: Two 5-percent taps below rated high voltage.
 - 2. Taps, 15 through 500 kVA: Six 2.5-percent taps, 2 above and 4 below rated high voltage.
 - 3. Taps, 750 kVA and Above: Four 2.5-percent taps, 2 above and 2 below rated high voltage.
- H. Wall-Mounting Brackets: Manufacturer's standard brackets for transformers up to 45 kVA.

2.04 BUCK-BOOST TRANSFORMERS

- A. Units comply with [NEMA](#) ST 1 and are listed and labeled as complying with [UL](#) 506 or [UL](#) 1561.
- B. Description: Self-cooled dry type, rated for continuous duty, and connected as autotransformers to provide the percentage of buck or boost indicated.

2.05 CONTROL AND SIGNAL TRANSFORMERS

- A. Units comply with [NEMA](#) ST 1 and are listed and labeled as complying with [UL](#) 506.
- B. Ratings: Continuous duty. If rating is not indicated, provide capacity exceeding peak load by 50 percent minimum.
- C. Description: Self-cooled, 2 windings.

2.06 FINISHES

- A. Indoor Units: Manufacturer's standard paint over corrosion-resistant pretreatment and primer.

2.07 SOURCE QUALITY CONTROL

- A. Factory Tests: Design and routine tests comply with referenced standards.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Comply with safety requirements of [IEEE C2](#).
- B. Arrange equipment to provide adequate spacing for access and for circulation of cooling air.
- C. Identify transformers and install warning signs according to Section 26 05 53 - "Identification for Electrical Systems."
- D. Tighten electrical connectors and terminals according to manufacturer's published torque-tightening values. If manufacturer's torque values are not indicated, use those specified in [UL 486A](#) and [UL 486B](#).

3.02 GROUNDING

- A. Separately Derived Systems: Comply with [NFPA 70](#) requirements for connecting to grounding electrodes and for bonding to metallic piping near the transformer.
- B. Comply with Section 26 05 26 - "Grounding and Bonding for Electrical Systems" for materials and installation requirements.

3.03 FIELD QUALITY CONTROL

- A. Test Objectives: To ensure transformer is operational within industry and manufacturer's tolerances, is installed according to the Contract Documents, and is suitable for energizing.
- B. Test Labeling: On satisfactory completion of tests for each transformer, attach a dated and signed "Satisfactory Test" label to tested component.
- C. Schedule tests and provide notification at least 7 days in advance of test commencement.
- D. Report: Submit a written report of observations and tests. Report defective materials and installation.
- E. Tests: Include the following minimum inspections and tests according to manufacturer's written instructions. Comply with [IEEE C57.12.91](#) for test methods and data correction factors.
 - 1. Inspect accessible components for cleanliness, mechanical and electrical integrity, and damage or deterioration. Verify that temporary shipping bracing has been removed. Include internal inspection through access panels and covers.
 - 2. Inspect bolted electrical connections for tightness according to manufacturer's published torque values or, if not available, those specified in [UL 486A](#) and [UL 486B](#).
 - 3. Insulation Resistance: Perform megohmmeter tests of primary and secondary winding to winding and winding to ground.
 - a. Minimum Test Voltage: 1000 V, dc.
 - b. Minimum Insulation Resistance: 500 megohms.
 - c. Duration of Each Test: 10 minutes.
 - d. Temperature Correction: Correct results for test temperature deviation from 20 deg C standard.
- F. Test Failures: Compare test results with specified performance or manufacturer's data. Correct deficiencies identified by tests and retest. Verify that transformers meet specified requirements.

3.04 CLEANING

- A. On completion of installation, inspect components. Remove paint splatters and other spots, dirt, and debris. Repair scratches and mars on finish to match original finish. Clean components internally using methods and materials recommended by manufacturer.

3.05 ADJUSTING

- A. After installing and cleaning, touch up scratches and mars on finish to match original finish.
- B. Adjust transformer taps to provide optimum voltage conditions at utilization equipment throughout normal operating cycle of facility. Record primary and secondary voltages and tap settings and submit with test results.
- C. Adjust buck-boost transformer connections to provide optimum voltage conditions at utilization equipment throughout normal operating cycle of facility.
- D. Occupancy Adjustments: When requested within 12 months of date of Substantial Completion, provide on-site assistance in readjusting transformer tap settings to suit actual occupied conditions. Provide up to 2 visits to Project site for this purpose without additional cost.
 - 1. Voltage Recordings: Contractor performed. Provide up to 48 hours of recording on the low-voltage system of each medium-voltage transformer.
 - 2. Point of Measurement: Make voltage recordings at load outlets selected by Owner's Representative.

END OF SECTION 262200

CSI Form 1.5C

**SUBSTITUTION
REQUEST**

(During the Bid Period)

Project: Mission Gateway Hotel Substitution Request Number: 001
 To: NSPJ Architects From: Burns Boys Co Inc
 Date: 8-15-19
 A/E Project Number: _____
 Re: _____ Contract For: Folding Panel Partitions
 Specification Title: Folding Panel Partitions Description: operable wall
 Section: 102239 Page: 1 Article/Paragraph: 2.2, B, 1
 Proposed Substitution: Moderco 842 Signature
 Manufacturer: Moderco Address: 115 de Lauzon Boucherville Phone: 450-641-3150
 Trade Name: operable walls Model No.: 842

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.
 Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Burns Boys Co Inc - Kenzie McClain
 Signed by: [Signature]
 Firm: Burns Boys Co Inc.
 Address: 6634 Kaw Drive Kansas City, KS 66111
 Telephone: 913-788-8654

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: Sara Wells Date: 8/19/19

Supporting Data Attached: Drawings Product Data Samples Tests Reports _____

CONTRACTOR'S SUBSTITUTION REQUEST

(Use separate form for each request)

Date: August 17, 2019 Request No.: _____

TO: Architect: NSPJ Architects; Timothy Homburg

Phone: 913-831-1415 Fax: _____

PROJECT: Mission Gateway Hotel: Mission KS Project No.: 617918

CONTRACTOR Elite Storage Products

SPECIFIED ITEM: Republic Storage Systems

Section: 105113 Page: 1-4 Paragraph: 1-3 Description: Knock Down Metal Lockers

Drawing Number(s): _____ Detail Number(s): _____

The undersigned request consideration of the following:

PROPOSED SUBSTITUTION: LockersMFG Knock Down Series Metal Lockers

REASON FOR NOT GIVING PRIORITY TO SPECIFIED ITEMS: Please See Attached

SAVINGS or CREDIT to OWNER for ACCEPTING SUBSTITUTE: \$ N/A

Attached data includes description, Specifications, Drawings, photographs, performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The undersigned certifies that the following paragraphs, unless modified by attachments, are correct:

1. Proposed substitution has been fully checked and coordinated with the Contract Documents.
2. The proposed substitution does not affect dimensions shown on Drawings.
3. The proposed substitution does not require revisions to mechanical or electrical work.
4. The undersigned will pay for changes to the building design, including architectural and engineering design, detailing, and construction costs caused by the requested substitution.
5. The proposed substitution will have no adverse affect on other trades, the construction schedule, or specified warranty requirements.
6. Maintenance and service parts will be locally available for the proposed substitution.
7. The proposed substitution will have no adverse effect on LEED credits established through the CFRST LEED Volume Program. (Applies to CFRST LEED Volume Program Projects ONLY)

The undersigned further states that the function, appearance, and quality of the proposed substitution are equivalent or superior to the specified item.

Attachments: The attached data is furnished herewith for evaluation of the proposed substitution.

Catalog Drawings Samples Reports Tests Other: Product Data / Side by Side Comparison

Submitted by:

Elite Storage Products (Firm) Russell Cunningham (Authorized Legal Signature)

PO Box 517 Collierville, TN 38027 (Address) (901) 367-3930 (Telephone)

For use by the Architect: Accepted Accepted as Noted Rejected: Submit Specified Item

BY: Sana Wells (Authorized Signature)

Date: 08/19/19 Remarks: _____



SUBSTITUTION REQUEST (During the Bidding Phase)

Project: _____ Substitution Request Number _____
From: Abbey Strum - Logan Contractors Supply
To: _____ Date: _____
Re: _____ A/E Project Number: _____
Contract For: _____

Specification Title: _____ Description: _____
Section: _____ Page: _____ Article/Paragraph: _____

Proposed Substitution: _____
Manufacturer _____ Address: _____ Phone: _____
Trade Name: _____ Model No.: _____

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
Same warranty will be furnished for proposed substitution as for specified product.
Same maintenance service and source of replacement parts, as applicable, is available.
Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
Proposed substitution does not affect dimensions and functional clearances.
Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by _____
Signed by: _____
Firm: Logan Contractors Supply, Inc.
Address: 4101 106th Street
Des Moines, IA 50322
Telephone: (515-253-9048)

A/E's REVIEW AND ACTION

- [X] Substitution approved - Make submittals in accordance with Specification Section 01330.
[] Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
[] Substitution rejected - Use specified materials.
[] Substitution Request received too late - Use specified materials.

Signed by: Jana Wells

Date: 8/19/19

Supporting Data Attached: [] Drawings [X] Product Data [] Samples [] Tests [] Reports [] Specs

CertiFoam 25 Extruded Polystyrene Foam Insulation

Product Specifications

Description

CertiFoam 25 SE and SL are rigid extruded polystyrene foam boards suitable for most common residential, commercial roofing and industrial insulation applications. The continuous closed cell structure and extruded skin surface provide superior strength and excellent long term thermal performance.

CertiFoam 25 meets or exceeds ASTM C578 Type IV, FMVSS 302 and AASTHO M230 Type IV

CertiFoam 25 is stocked machine square on all edges and scored on 16" and 24" centers for flexible trimming on cavity wall applications.

CertiFoam 25 is available without scoring. Be sure to order No Score for this option.

Sizes Available

CertiFoam 25 SE (Square Edge)

48"x96"x 3/4", 1", 1 1/2", 2" 2 1/2", 3"

*24"x96"x 1", 1 1/2", 2", 2 1/2", 3"

*16"x96"x 1", 1 1/2", 2", 2 1/2", 3"

CertiFoam 25 SL (ship-lap edge)

48"x96" x 3/4", 1", *1 1/2", *2"

48"x108" x 3/4", 1"

*Limited availability. Contact your DiversiFoam Products representative for information.

Table 1 - Typical properties of CertiFoam 25 brand insulation

Property	ASTM test method	Value
Density, minimum lb./ft ³	ASTM C578	1.55
Thermal Conductivity, 1 inch, (Btu/hr. sq. ft. °F) @75°F mean	C 177-76 or C 518-76	5.0
Compressive resistance, 10% deformation min. psi	D 1621-73	25.0
Water Absorption by total immersion, maximum, volume %	D 2842-69 C272-76	0.3
Water Vapor Permeance (perm) Maximum	E 96-80	1.0
Maximum recommended Use Temperature	D696	165
Linear Coefficient of Thermal Expansion (in./in. °F)	D696	3.5x10 ⁻⁵
Flexural Strength, minimum psi		50.0
Dimensional Stability, (change in dimensions), maximum %		2.0
Surface Burning Characteristics, 2" max Flame Spread Smoke Developed	UL723 ASTM E84	5 30-175

CertiFoam 25 Features

- Lightweight closed cell structure provides superior moisture resistance.
- Does not support mold growth.
- Long term stable R-Value of 5 per inch.
- Easy to fabricate with common construction tools.
- Can be used above or below grade.

Table 2 - Thermal resistance (R-Value) of five year aged CertiFoam 25

Nominal Thickness (in.)	@25°F Mean Temperature	@40°F Mean Temperature	@75°F Mean Temperature
3/4	4.2	4.1	3.8
1	5.6	5.4	5.0
1-1/2	8.4	8.1	7.5
2	11.2	10.8	10.0
2-1/2	14.0	13.5	12.5
3	16.9	16.2	15.0

Availability

CertiFoam 25 is manufactured in Rockford, MN and distributed through a distributor network in the Midwest.

Installation

CertiFoam 25 is lightweight and easy to handle. It can be cut to size using common construction hand or power tools. CertiFoam 25 can be fastened with nails, screws or construction adhesives that are compatible with polystyrene.



SUBSTITUTION REQUEST (During the Bidding Phase)

Project: _____ Substitution Request Number _____
From: Abbey Strum - Logan Contractors Supply
To: _____ Date: _____
Re: _____ A/E Project Number: _____
Contract For: _____

Specification Title: _____ Description: _____
Section: _____ Page: _____ Article/Paragraph: _____

Proposed Substitution: _____
Manufacturer _____ Address: _____ Phone: _____
Trade Name: _____ Model No.: _____
Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

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Proposed substitution does not affect dimensions and functional clearances.
Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by _____
Signed by: _____
Firm: Logan Contractors Supply, Inc.
Address: 4101 106th Street
Des Moines, IA 50322
Telephone: (515-253-9048)

A/E's REVIEW AND ACTION

- [X] Substitution approved - Make submittals in accordance with Specification Section 01330.
[] Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
[] Substitution rejected - Use specified materials.
[] Substitution Request received too late - Use specified materials.

Signed by: Jana Wells

Date: 8/19/19

Supporting Data Attached: [] Drawings [X] Product Data [] Samples [] Tests [] Reports [] Specs

CURE & SEAL 25

25% solids solvent-based cure & seal

DESCRIPTION

CURE & SEAL 25 is a VOC compliant acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces.

APPLICATION

Coverage: Ready to use. Do not dilute. Apply with a sprayer or roller in uniform thin films; spray apply for best results. Two thin coats should be applied. Apply the second coat after the first coat has thoroughly dried. Never apply one heavy coat. Avoid puddles. Apply in accordance with recommended coverage rates.

Curing: 300 – 400 sq ft / gal
 Dustproofing and Sealing: 400 – 600 sq ft / gal
 Aged concrete: 400 – 600 sq ft / gal

For dustproofing and sealing benefits, apply two coats at 500 sq ft / gal. On broom or rough finished concrete, double the coverage rate. Coverage may vary due to porosity and conditions of the concrete.

New Concrete: CURE & SEAL 25 should be applied as soon as the surface water has disappeared and the concrete surface will not be marred by the walking applicator. At this point, apply in a uniform coat. For a superior finish and added curing and sealing protection, apply a second coat at 400 sq ft / gal.

CURE & SEAL 25 should be applied as soon as the surface water has disappeared and the concrete surface will not be marred by the walking applicator. At this point, apply in a uniform coat. For a superior finish and added curing and sealing protection, apply a second coat at 400 sq ft / gal.

CURE & SEAL 25 is compatible with most carpets, tile and floor covering adhesives. Due to the wide variation in the chemistry of adhesives, a test section is always recommended.

STANDARDS

Meets ASTM C-1315 and ASTM C 309, Type 1, Classes A&B.
 CURE & SEAL 25 meets V.O.C. emission requirements for curing and sealing compounds (EPA limit < 700 g/L).
 USDA accepted

PACKAGING

CURE & SEAL 25 is available in 55 gallon drums and 5 gallon pails.

SHELF LIFE

Shelf life of CURE & SEAL 25 in the original tightly closed containers is two years from the date of manufacture. Do not allow the accumulation of water, dirt, or other contaminants.

TYPICAL PERFORMANCE DATA

Moisture Loss (ASTM C-1315) at 300 sq ft/gal (Kg/m ²)	
Test Result	Required
0.32 Kg/m ²	0.40 Kg/m ²

LIMITATIONS/PRECAUTIONS

- Does not provide a base for cementitious materials.
- Not for use in fountains or pools.
- Application temperature above 40°F & rising is recommended
- When used over colored concrete, CURE & SEAL 25 may enhance color variation or imperfections. Prepare a test panel to ensure acceptable results.
- Rubber wheeled vehicles may leave black marks.
- Contact SpecChem Technical Services for complete application instructions and limitations.
- DO NOT CUT OR WELD CONTAINER
- KEEP AWAY FROM OPEN FLAME
- INDUSTRIAL USE ONLY
- Additional precautions, safety information and first aid are contained in the Material Safety Data Sheet.

DO NOT EXPOSE TO OR APPLY NEAR FIRE OR FLAMES. FOR WELL VENTILATED OR EXTERIOR USE ONLY!

WARRANTY

NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



1511 Baltimore Ave, Suite 600
 Kansas City, MO 64108

www.specchemllc.com

866.791.8700



SUBSTITUTION REQUEST

(During the Bidding Phase)

Project: _____ Substitution Request Number _____

 To: _____ From: Abbey Strum – Logan Contractors Supply

 Re: _____ Date: _____
 _____ A/E Project Number: _____
 _____ Contract For: _____

Specification Title: _____ Description: _____
 Section: _____ Page: _____ Article/Paragraph: _____

Proposed Substitution: _____
 Manufacturer _____ Address: _____ Phone: _____
 Trade Name: _____ Model No.: _____
 Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

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- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by _____
 Signed by: _____
 Firm: Logan Contractors Supply, Inc.
 Address: 4101 106th Street
Des Moines, IA 50322
 Telephone: (515-253-9048)

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01330.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: *Sana Wells*

Date: **8/19/19**

Supporting Data Attached: Drawings Product Data Samples Tests Reports Specs

CURE & SEAL WB

Water-based cure & seal (ASTM C-309 compliant)



DESCRIPTION

CURE & SEAL WB is a water-based, non-yellowing, VOC compliant acrylic polymer engineered to cure, seal, harden, and dustproof freshly placed concrete and improve the wearability and durability of aged concrete surfaces. May contribute to LEED credits.

This low-odor, water-based formulation is ideal for interior or exterior usage:

- Provides a tough glossy film that is resistant to abrasion and common staining materials
- Prevents the adhesion of cementitious droppings and the penetration of most oils and greases
- Reduces maintenance and clean-up costs
- Cleans and brightens floors
- May be recoated prior to occupancy for a glossy final finish
- May be recoated at any time without stripping the prior application

APPLICATION

Coverage: Ready to use. Do not dilute. Apply with a sprayer, brush, roller or lambs wool applicator. Spraying or a lambs wool applicator generally will provide superior results. Avoid puddles. Apply in accordance with recommended coverage rates.

Curing: 200 sq ft / gal
 Dustproofing and Sealing: 200 – 400 sq ft / gal
 Aged concrete: 200 – 400 sq ft / gal

For dustproofing and sealing benefits, apply two coats at 300 sq ft / gal. On broom or rough finished concrete, double the coverage rate. Coverage may vary due to porosity and conditions of the concrete. Application temperature above 40° & rising is recommended.

New Concrete: CURE & SEAL WB should be applied as soon as the surface water has disappeared and the concrete surface will not be marred by the walking applicator. At this point, apply in a uniform coat. For a superior finish and added curing and sealing protection, apply a second coat at 400 sq ft / gal.

Existing Concrete: Concrete surface must be clean, dry or damp and free of all stains, oil, grease, dirt, and incompatible coatings prior to application.

CURE & SEAL WB can be used on colored concrete and will renovate existing concrete, brick or terrazzo floors. These surfaces will be brighter and easier to clean and maintain.

CURE & SEAL WB is compatible with most carpets, tile and floor covering adhesives. Due to the wide variation in the chemistry of adhesives, a test section is always recommended.

STANDARDS

CURE & SEAL WB meets ASTM C-309, Type I, Class A and B. V.O.C. emission requirements for curing and sealing compounds (Actual VOC = 98 g/L).

Meets the Class A requirements for UV stability/yellowing for ASTM C 1315, section 6.4.1; USDA accepted

CLEANING

Application equipment can be cleaned with water if product has not dried. Once product dries, xylene or other approved solvents should be used.

PACKAGING

CURE & SEAL WB is available in 275 gallon totes, 55 gallon drums, and 5 gallon pails.

SHELF LIFE

Shelf life of CURE & SEAL WB in the original tightly closed containers is one year from the date of manufacture. Do not allow the accumulation of water, dirt, or other contaminants.

TYPICAL PERFORMANCE DATA

Moisture Loss (ASTM C-309) at 200 sq ft/gal (Kg/m ²)	
Test Result	Required
0.39 Kg/m ²	0.55 Kg/m ²



1511 Baltimore Ave, Suite 600
 Kansas City, MO 64108

www.specchemllc.com

866.791.8700

LIMITATIONS/PRECAUTIONS

- Does not provide a base for cementitious materials. Not for use in fountains or pools.
- When used over colored concrete, CURE & SEAL WB may enhance color variation or imperfections.
- Prepare a test panel to ensure acceptable results.
- Rubber wheeled vehicles may leave black marks.
- Protect from freezing.
- Contact SpecChem Technical Services for complete application instructions and limitations.
- Additional precautions, safety and first aid information are contained in the Material Safety Data Sheet.
- Application temperature above 40° & rising is recommended.

DO NOT EXPOSE TO OR APPLY NEAR FIRE OR FLAMES. FOR WELL VENTILATED OR EXTERIOR USE ONLY!

WARRANTY

NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



**1511 Baltimore Ave, Suite 600
Kansas City, MO 64108
www.specchemllc.com 866.791.8700**



SUBSTITUTION REQUEST

(During the Bidding Phase)

Project: _____ Substitution Request Number _____

 From: Abbey Strum – Logan Contractors Supply
 To: _____ Date: _____
 Re: _____ A/E Project Number: _____
 Contract For: _____

Specification Title: _____ Description: _____
 Section: _____ Page: _____ Article/Paragraph: _____

Proposed Substitution: _____
 Manufacturer _____ Address: _____ Phone: _____
 Trade Name: _____ Model No.: _____

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

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Submitted by _____
 Signed by: _____
 Firm: Logan Contractors Supply, Inc.
 Address: 4101 106th Street
Des Moines, IA 50322
 Telephone: (515-253-9048)

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01330.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: Sara Wells

Date: 08/21/19

Supporting Data Attached: Drawings Product Data Samples Tests Reports Specs

Product Data Sheet
Edition 9.13.2012
Sikaflex-1a

Sikaflex®-1a

One part polyurethane, elastomeric sealant/adhesive

SEALANT-WATERPROOFING & RESTORATION INSTITUTE

Issued to: Sika Corporation
Product: Sikaflex®-1A

C719: Pass Ext:+35% Comp:-35%

Substrate: Mortar, Aluminum, Glass
(mortar substrate primed with Sika Primer 429)

C661: Rating 40

Validation Date: 8/3/12 - 8/2/17

No. 0812-S11211 Copyright © 2012

SEALANT VALIDATION
www.swrionline.org

Description	Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Meets Federal specification TT-S-00230C, Type II, Class A. Meets ASTM C-920, Type S, Grade NS, Class 35, use T, NT, O, M, G, I; Canadian standard CAN/CGSB 19.13-M87.
Where to Use	<ul style="list-style-type: none"> ■ Designed for all types of joints where maximum depth of sealant will not exceed 1/2 in. ■ Excellent for small joints and fillets, windows, door frames, reglets, flashing, common roofing detail applications, and many construction adhesive applications. ■ Suitable for vertical and horizontal joints; readily placeable at 40°F. ■ Has many applications as an elastic adhesive between materials with dissimilar coefficients of expansion. ■ Submerged conditions, such as canal and reservoir joints.
Advantages	<ul style="list-style-type: none"> ■ Eliminates time, effort, and equipment for mixing, filling cartridges, pre-heating or thawing, and cleaning of equipment. ■ Fast tack-free and final cure times. ■ High elasticity - cures to a tough, durable, flexible consistency with exceptional cut and tear-resistance. ■ Stress relaxation. ■ Excellent adhesion - bonds to most construction materials without a primer. ■ Excellent resistance to aging, weathering. ■ Proven in tough climates around the world. ■ Odorless, non-staining. ■ Jet fuel resistant. ■ Certified to the NSF/ANSI Standard 61 for potable water. ■ Urethane-based; suggested by EPA for radon reduction. ■ Paintable with water-, oil- and rubber-based paints. ■ Capable of ±35% joint movement.
Coverage	10.1 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.
Packaging	Disposable 10.1 fl. oz., moisture-proof composite cartridges, 24/case; and uni-pac sausages, 20 fl. oz., 20/carton.

Typical Data (Material and curing conditions @ 73°F (23°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life	10.1 fl. oz. cartridges	12 months
	20 fl. oz. uni-pac sausages	12 months
	5 gallon pail	6 months
	55 gallon drum	6 months
Storage Conditions	Store at 40°-95°F (4°-35°C). Condition material to 65°-75°F before using.	
VOC Content	40 g/L	
Colors	White, colonial white, aluminum gray, limestone, black, dark bronze, capitol tan, stone and medium bronze. Special architectural colors on request.	
Application Temperature	40° to 100°F. Sealant should be installed when joint is at mid-range of its anticipated movement.	
Service Range	-40° to 170°F	
Curing Rate	Tack-free time	3 to 6 hours
	Tack-free to touch	3 hours
	Final cure	4 to 7 days
Tear Strength (ASTM D-624)	55 lb./in.	
Shore A Hardness (ASTM C-661)	21 day	40±5
Movement Capability (ASTM C-719)	+/- 35%	
Tensile Properties (ASTM D-412)		
	21 day Tensile Stress	175 psi (1.21 MPa)
	Elongation at Break	550%
	Modulus of Elasticity	25% 35 psi (0.24 MPa)
		50% 60 psi (0.41 MPa)
		100% 85 psi (0.59 MPa)
Adhesion in Peel (TT-S-00230C, ASTM C 794)		
	Substrate Peel Strength	Adhesion Loss
	Concrete 20 lb.	0%
	Aluminum 20 lb.	0%
	Glass 20 lb.	0%
Weathering Resistance	Excellent	
Chemical Resistance	Good resistance to water, diluted acids, and diluted alkalines. Consult Technical Service for specific data.	



How to Use

Surface Preparation

Clean all surfaces. Joint walls must be sound, clean, dry, frost-free, and free of oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed. A roughened surface will also enhance bond. Install bond breaker tape or backer rod to prevent bond at base of joint.

Priming

Priming is not usually necessary. Most substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure. Consult Sikaflex Primer Technical Data Sheet or Technical Service for additional information on priming.

Application

Recommended application temperatures: 40°-100°F. For cold weather application, condition units at approximately 70°F; remove prior to using.

For best performance, Sikaflex-1a should be gunned into joint when joint slot is at mid-point of its designed expansion and contraction.

Place nozzle of gun into bottom of the joint and fill entire joint. Keep the nozzle in the sealant, continue on with a steady flow of sealant preceding the nozzle to avoid air entrapment.

Avoid overlapping of sealant to eliminate entrapment of air. Tool sealant to ensure full contact with joint walls and remove air entrapment. Joint dimension should allow for 1/4 inch minimum and 1/2 inch maximum thickness for sealant. Proper design is 2:1 width to depth ratio,

For use in horizontal joints in traffic areas, the absolute minimum depth of the sealant is 1/2 in. and closed cell backer rod is recommended.

Limitations

- Allow 1-week cure at standard conditions when using Sikaflex-1a in total water immersion situations and prior to painting.
- When overcoating with water, oil and rubber based paints, compatibility and adhesion testing is essential.
- Avoid exposure to high levels of chlorine. (Maximum continuous level is 5 ppm of chlorine.)
- Maximum depth of sealant must not exceed 1/2 in.; minimum depth is 1/4 in.
- Maximum expansion and contraction should not exceed 25% of average joint width.
- Do not cure in the presence of curing silicone sealants.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Do not apply when moisture-vapor-transmission condition exists from the substrate as this can cause bubbling within the sealant.
- Use opened cartridges and uni-pac sausages the same day.
- When applying sealant, avoid air-entrapment.
- Since system is moisture-cured, permit sufficient exposure to air.
- White color tends to yellow slightly when exposed to ultraviolet rays.
- Light colors can yellow if exposed to direct gas fired heating element.
- The ultimate performance of Sikaflex-1a depends on good joint design and proper application with joint surfaces properly prepared.
- The depth of sealant in horizontal joints subject to traffic is 1/2 in.
- Do not tool with detergent or soap solutions.
- Do not use in contact with bituminous/asphaltic materials.

Caution

WARNING: IRRITANT, SENSITIZER. Contains Polyisocyanate Prepolymer (Mixture), Xylene (CAS 1330-20-7). Causes eye irritation. May cause skin/respiratory irritation. May cause skin and/or respiratory sensitization after prolonged contact. May be harmful if swallowed. Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Headaches and dizziness may result. **Deliberate misuse by inhalation of vapors may be harmful or fatal. Strictly follow all usage, handling and storage instructions.**

Handling & Storage

Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and laundry before reuse. Store in cool dry well ventilated area.

Cleanup

Use personal protective equipment (chemical resistant gloves/goggles/clothing). Without direct contact, remove spilled or excess product and placed in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations.

First Aid Measures

Eyes: Hold eyelids apart and flush thoroughly with water for 15 minutes. **Skin:** Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. **Inhalation:** Remove to fresh air. **Ingestion:** Do not induce vomiting. Dilute with water. Contact physician. **In all cases contact a physician immediately if symptoms persist.**

Linear Feet of Sealant per Gallon

Width	Depth	
	Inches	
1/4	308.0	
1/2	154.0	77.0
3/4	102.7	51.3
1	77.0	38.5
1 1/2	61.6	30.8
1 3/4	51.3	25.7

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LIMITED WARRANTY: Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKASHALL NOT BELIEVABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKASHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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SUBSTITUTION REQUEST

(During the Bidding Phase)

Project: _____ Substitution Request Number _____

 To: _____ From: Abbey Strum – Logan Contractors Supply

 Re: _____ Date: _____

 _____ A/E Project Number: _____
 _____ Contract For: _____

Specification Title: _____ Description: _____
 Section: _____ Page: _____ Article/Paragraph: _____

Proposed Substitution: _____
 Manufacturer _____ Address: _____ Phone: _____
 Trade Name: _____ Model No.: _____
 Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by _____
 Signed by: _____
 Firm: Logan Contractors Supply, Inc.
 Address: 4101 106th Street
Des Moines, IA 50322
 Telephone: (515-253-9048)

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01330.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01330. Manufacturer approved. Product still needs to meet original specification requirements, specifically Class 50 movement
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: Sara Wells

Date: 08/21/19

Supporting Data Attached: Drawings Product Data Samples Tests Reports Specs

Class 50
required

Sikaflex[®]-2c NS EZ Mix

Two-component, non-sag, polyurethane elastomeric sealant

Description	Sikaflex-2c NS EZ Mix is a 2-component, premium-grade, polyurethane-based, elastomeric sealant. It is principally a chemical cure in a <u>non-sag</u> consistency. Meets ASTM C-920, Type M, Grade NS, Class 25 , use T, NT, M, G, A, O and Federal Specification TT-S-00227E, Type II, Class A. Meets CAN/CGSB 19.24 - M90.
Where to Use	<ul style="list-style-type: none"> ■ Intended for use in all properly designed working joints with a minimum depth of ¼ inch. ■ Ideal for vertical and horizontal applications. ■ Placeable at temperatures as low as 40F. ■ Adheres to most substrates commonly found in construction. ■ An effective sealant for use in Exterior Insulation Finish Systems (EIFS). ■ Submerged environments, such as canal and reservoir joints.
Advantages	<ul style="list-style-type: none"> ■ Capable of ±50% joint movement. ■ Chemical cure allows the sealant to be placed in joints exceeding ½ in. in depth. ■ High elasticity with a tough, durable, flexible consistency. ■ Exceptional cut and tear resistance. ■ Exceptional adhesion to most substrates without priming. ■ Available in 35 architectural colors. ■ Color uniformity assured via Color-pak system. ■ Available in pre-pigmented Limestone Gray (no Color-pak needed). ■ Non-sag even in wide joints. ■ Certified to the NSF/ANSI Standard 61 for potable water. ■ Easy to mix. ■ Paintable with water-, oil-, and rubber-base paints. ■ Jet fuel resistant. ■ Cold weather booster for initial tack (see reverse side for data). ■ Shore A hardness can be increased by using "TG" additive. See Sikaflex-2c NS TG data sheet for specific details.
Coverage	1 gal. yields 231 cu. in. or 154 lin. ft. of a 1/2 in. x 1/4 in. joint.
Packaging	1.5 gal. unit, 3 gal unit. Color-pak is purchased separately. Limestone Gray color available pre-pigmented.
How to Use	
Surface Preparation	All joint-wall surfaces must be clean, sound, and frost-free. Joint walls must be free of oils, grease, curing compound residues, and any other foreign matter that might prevent bond. Ideally this should be accomplished by mechanical means. A roughened surface will also enhance bond. Bond breaker tape or backer rod must be used in bottom of joint to prevent bond.

Typical Data (Material and curing conditions 73°F (23°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf life	One year in original, unopened containers.	
Storage Conditions	Store dry at 40°-95°F (4°-35°C). Condition material to 65°-75°F before using.	
Colors	A wide range of architectural colors are available. Special colors available on request.	
Application Temperature	40° to 100°F, ambient and substrate temperatures. Sealant should be installed when joint is at mid-range of its anticipated movement.	
Service Range	-40° to 170°F (-40°-75°C).	
Curing Rate (ASTM C-679)	Tack-Free Time	8-10 hrs.
	Final Cure	3 days
Application Life	4-6 hrs.	
Tear Strength	ASTM D-624	45 lb./in.
Shore A Hardness	ASTM D-2240	25 ± 5
Tensile Properties (ASTM D-412)		
Tensile Strength at Break	95 psi	
Tensile Elongation	300%	
100% Modulus	70 psi	
Adhesion in Peel (Fed Spec. TT-S-00227E)		
Substrate	Peel Strength	% Adhesion Loss
Concrete	>15 lb.	Zero
Weathering Resistance	Excellent	
Chemical Resistance	Good resistance to water, diluted acids, diluted alkalines, and residential sewage. Consult Technical Service for specific data.	



Priming	<p>Priming is typically not necessary. Most substrates only require priming if sealant will be subjected to water immersion after cure. Testing should be done, however, on questionable substrates, to determine if priming is needed.</p> <p>Consult Technical Service or Sikaflex Primer Technical Data Sheet for additional information on priming.</p> <p>Note: Most Exterior Insulation Finish Systems (EIFS) manufacturers recommend the use of a primer. When EIFS manufacturer specifies a primer or if on-site bond testing indicates a primer is necessary, Sikaflex 429 primer is recommended. On-site adhesion testing is recommended with final system prior to the start of a job.</p>
Mixing	<p>Pour entire contents of Component 'B' into pail of Component 'A'. Add entire contents of Color-pak into pail and mix with a low-speed drill (400-600 rpm) and Sikaflex paddle.* Mix for 3-5 minutes to achieve a uniform color and consistency. Scrape down sides of pail periodically. Avoid entrapment of air during mixing.</p> <p>When mixing in cold weather (<50°F), do not force the mixing paddle to the bottom of the pail. After adding Component 'B' and Color-pak into Component 'A', mix the top 1/2 to 3/4 of the pail during the first minute of mixing. After scraping down the sides of the pail, mix again for another minute. The paddle should reach the bottom of the pail between the first and second minute of mixing. Scrape down the sides of the pail a second time and then mix for an additional 2-3 minutes until the sealant is well blended.</p> <p>Color-pak must be used with tint base. For pre-pigmented Limestone base, just mix with low speed drill and Sikaflex paddle (no Color-pak needed).</p>
Application	<p>Recommended application temperatures 40°-100°F. Pre-conditioning units to approximately 70°F is necessary when working at extremes. Move pre-conditioned units to work areas just prior to application.</p> <p>Apply sealant only to clean, sound, dry, and frost-free substrates. Sikaflex-2c should be applied into joints when joint slot is at mid-point of its designed expansion and contraction.</p> <p>To place, load directly into bulk gun or use a follower plate loading system. Place nozzle of gun into bottom of joint and fill entire joint. Keeping the nozzle deep in the sealant, continue with a steady flow of sealant preceding nozzle to avoid air entrapment. Also, avoid overlapping of sealant since this also entraps air. Tool sealant to ensure full contact with joint walls and remove air entrapment. Joint dimension should allow for 1/4 inch minimum and 1/2 inch maximum thickness for sealant. Proper design is 2:1 width to depth ratio. To accelerate the cure of Sikaflex-2c NS in cold weather temperatures, add Sikaflex-2c booster.</p>
Limitations	<ul style="list-style-type: none"> ■ The ultimate performance of Sikaflex-2c NS EZ Mix, depends on good joint design and proper application. ■ Minimum depth in working joint is 1/4 in. ■ Maximum expansion and contraction should not exceed 50% of average joint width. ■ Do not cure in the presence of curing silicones. ■ Avoid contact with alcohol and other solvent cleaners during cure. ■ Allow 3-day cure before subjecting sealant to total water immersion. ■ Avoid exposure to high levels of chlorine. (Maximum level is 5 ppm). ■ Do not apply when moisture vapor transmission exists since this can cause bubbling within the sealant. ■ Avoid over-mixing sealant. ■ White color tends to yellow slightly when exposed to ultraviolet rays. ■ Light colors can yellow if exposed to direct gas fired heating elements. ■ When overcoating, an on-site test is recommended to determine actual compatibility. ■ Do not use in contact with bituminous/asphaltic materials.
Caution	<p>Component 'A'; Irritant - Avoid contact. Product is a skin, respiratory and eye irritant. Use of safety goggles and chemical resistant gloves recommended. Use of a NIOSH approved respirator required if PELs are exceeded. Use with adequate ventilation.</p> <p>Component 'B'; Combustible; Sensitizer; Irritant - Contains Xylene. Keep away from heat, sparks and open flame. Use with adequate ventilation. Product is a respiratory and skin sensitizer. Avoid contact. Product is an eye, skin, and respiratory irritant. Use of safety goggles and chemical resistant gloves recommended. Use of a NIOSH approved respirator required if PELs are exceeded.</p>
First Aid	<p>In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes; contact physician. For respiratory problems, remove to fresh air. Wash clothing before re-use. Discard contaminated shoes.</p>
Clean Up	<p>Uncured material can be removed with approved solvent. Cured material can only be removed mechanically. For spillage, collect, absorb, and dispose of in accordance with current, applicable local, state, and federal regulations.</p>

Linear Feet of Sealant per Gallon

		Depth	
		1/4	1/2
Width	Inches		
	1/4	308.0	
	1/2	154.0	77.0
	3/4	102.7	51.3
	1	77.0	38.5
	1 1/2	61.6	30.8
	1 3/4	51.3	25.7

Sikaflex-2c NS EZ Mix Working Time, hours

	73°F	100°F	40°F
Sikaflex-2c NS	4-6 hrs.	3 hrs.	6 hrs.
w/ 1 booster	2 hrs.	1 hr.	2-3 hrs.
w/ 2 boosters	1 hr.	<1 hr.	1.5 hrs.



Construction

The Sika logo consists of the word "Sika" in a bold, yellow, sans-serif font, set against a red triangular background. A registered trademark symbol (®) is located to the right of the word.

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Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Technical Data Sheet, product label and Material Safety Data Sheet which are available online at www.sikausa.com or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Technical Data Sheet, product label and Material Safety Data Sheet prior to product use.

LIMITED WARRANTY: Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKASHALL NOT BELIEABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKASHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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SUBSTITUTION REQUEST (During the Bidding Phase)

Project: Substitution Request Number
From: Abbey Strum - Logan Contractors Supply
To:
Date:
Re: A/E Project Number:
Contract For:

Specification Title: Description:
Section: Page: Article/Paragraph:

Proposed Substitution:
Manufacturer Address: Phone:
Trade Name: Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
Same warranty will be furnished for proposed substitution as for specified product.
Same maintenance service and source of replacement parts, as applicable, is available.
Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
Proposed substitution does not affect dimensions and functional clearances.
Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by
Signed by:
Firm: Logan Contractors Supply, Inc.
Address: 4101 106th Street, Des Moines, IA 50322
Telephone: (515-253-9048)

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01330.
Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
Substitution rejected - Use specified materials.
Substitution Request received too late - Use specified materials.

Signed by: Sara Wells

Date: 8/19/19

Supporting Data Attached: Drawings Product Data Samples Tests Reports Specs

SPECFILM RTU

Ready To Use Evaporation Retardant/Finishing Aid



DESCRIPTION

SPECFILM RTU is designed to be used as an evaporation retardant and finishing aid on concrete flatwork of all types. When sprayed over fresh concrete, SPECFILM RTU forms a thin, continuous film which prevents rapid moisture loss from the concrete surface. SPECFILM RTU is especially effective when concreting operations must be performed in direct sun, wind, high temperatures, or low relative humidity.

BENEFITS:

- Significantly reduces plastic shrinkage and cracking caused by evaporation in low humidity, high temperatures and high winds
- Allows use of lower slump and lower water to cement ratio concrete
- Reduces wind crusting, stickiness, and sponginess, which often cause poor and uneven surface texture.
- Dyed pink as visual application aid. VOC compliant
- Helps minimize surface cracking due to early water loss of silica fume concrete
- Already formulated to an optimum dilution of 5 to 1 for maximum effectiveness
- Aids in finishing concrete and repair mortars that produce little or no bleed water such as micro silica or mixes containing no air entrainment.

APPLICATION

Agitate prior to using. SPECFILM RTU should be spray applied to freshly placed concrete immediately after screeding and/or between finishing operations as needed to prevent plastic shrinkage. When used as an evaporation retardant during dry-shake hardener applications, one or more applications may be required to prevent premature drying. If necessary, use during and after bull-floating and trowelling applications

SPECFILM RTU should be applied under normal weather conditions at the rate of 300-500 sq. ft./gal. As drying conditions or wind become more severe, increase the amount of material used to 150-300 sq. ft./gal.

Do not over apply.

STANDARDS

As recommended by ACI 302: "Evaporation Retardant/Monomolecular Film"

PACKAGING

SPECFILM RTU is packaged in 55 gallon drums, 5 gallon pails, and cases of four 1 gallon jugs.

CLEANING

Application equipment should be cleaned immediately with soap and water.

SHELF LIFE

Shelf life of SPECFILM RTU in the original tightly closed containers is one year from date of manufacture. Do not allow the accumulation of water, dirt, or other contaminants.

LIMITATIONS

SPECFILM RTU is not a curing compound. Proper curing methods must be used to assure quality concrete. Do not allow SPECFILM RTU to freeze. Thawed material will not go back into solution.

SPECFILM RTU is most effective when concrete is in the plastic state. Immediately wipe up any SPECFILM RTU spilled on hardened concrete. SPECFILM RTU, if allowed to dry on hardened concrete, may stain and must be removed with an approved solvent.

Product literature provides general information applicable in some conditions. Contact SpecChem technical services for specific application instructions and limitations.

DO NOT EXPOSE TO OR APPLY NEAR FIRE OR FLAMES. FOR WELL VENTILATED OR EXTERIOR USE ONLY!

PRECAUTIONS

**DO NOT CUT OR WELD CONTAINER
INDUSTRIAL USE ONLY
PROTECT FROM FREEZING**

Keep out of reach of children. Do not take internally. Avoid prolonged contact with skin. If swallowed, call a physician. Wear rubber gloves, goggles, and protective clothing. Additional precautions, safety information and first aid are contained in the Material Safety Data Sheet.

WARRANTY

**NOTICE-READ CAREFULLY
CONDITIONS OF SALE**

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.

SPECCHEM 
Solution to Service

1511 Baltimore Ave, Suite 600
Kansas City, MO 64108

www.specchemllc.com

866.791.8700



SUBSTITUTION REQUEST

(During the Bidding Phase)

Project: _____ Substitution Request Number _____

 To: _____ From: Abbey Strum – Logan Contractors Supply

 Re: _____ Date: _____
 _____ A/E Project Number: _____
 _____ Contract For: _____

Specification Title: _____ Description: _____
 Section: _____ Page: _____ Article/Paragraph: _____

Proposed Substitution: _____
 Manufacturer _____ Address: _____ Phone: _____
 Trade Name: _____ Model No.: _____

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by _____
 Signed by: _____
 Firm: Logan Contractors Supply, Inc.
 Address: 4101 106th Street
Des Moines, IA 50322
 Telephone: (515-253-9048)

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01330.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: *Sana Wells*

Date: 8/19/19

Supporting Data Attached: Drawings Product Data Samples Tests Reports Specs

SPECREZ

Water Based Dissipating resin curing compound



DESCRIPTION

A water based dissipating resin based emulsion curing compound for use on freshly finished horizontal and vertical concrete surfaces. SPECREZ is formulated to provide an effective curing membrane that will begin to dissipate after exposure to sunlight, weathering and/or traffic. May contribute to LEED credits.

FEATURES / BENEFITS

- Ensures proper curing, resulting in stronger, more wear resistant concrete
- Water Base, VOC Compliant (Actual VOC = 98 g/L)
- Helps minimize dusting
- Once dissipated, concrete cured with SPECREZ is compatible with most paints, sealers, coating and floor covering adhesives
- Ready to use, easy one step application

SPECIFICATIONS/COMPLIANCES

- Formulated to comply with ASTM C-309, Types 1 and 1D, Class A & B
- AASHTO M-148, Type 1, Class A & B
- This product meets V.O.C. contents for Concrete Curing Compounds with a maximum V.O.C. content of 100 g/l.

APPLICATION

Agitate thoroughly before use. Application equipment must be clean and free of foreign materials. A spray application is the preferred method. Application temperatures above 40°F are recommended. Areas that are to be caulked should be masked. Do not pond or puddle. Coverage will vary depending on the texture and porosity of the concrete. Apply at a rate of 200-400 ft²/gal immediately after final trowel (or stripping of forms).

SPEC REZ is formulated as a dissipating type resin. The rate of dissipation is dependent upon climatic conditions, the rate of application and exposure to ultraviolet light. Under normal conditions, chemical and physical breakdown will start in 4-6 weeks.

Residual SPECREZ may be removed with SpecChem Orange Peel Citrus Cleaner or any type of dry abrasive or sanding pad. The use of SPECREZ does not eliminate the need to properly prepare the surface in accordance with the written instructions for the application of secondary toppings or coatings. Tools and equipment may be cleaned with warm water and soap.

PACKAGING

55 gallon drums (208.2 L)
5 gallon pails (18.9L)

SHELF LIFE / STORAGE

Shelf life of SPECREZ in the original tightly closed container is 1 year from the date of manufacture. Do not allow the accumulation of water, dirt or other contaminants.

TYPICAL PERFORMANCE DATA

Moisture Loss (ASTM C-309) at 200 sq ft/gal (Kg/m ²)	
Test Result	Required
0.39 Kg/m ²	0.55 Kg/m ²

LIMITATIONS / PRECAUTIONS

- If surface is to be painted, sealed, topped, or otherwise treated after application, residual membrane should be removed.
- Do not apply at temperatures below 40°F (4°C).
- Keep from freezing. Do not dilute or alter in any way
- Always follow subsequent coating manufacturers' recommendations for surface preparation.
- All resin cures turn yellow while they are dissipating (oxidizing). This is a normal part of the dissipation process.
- Broom finish concrete may prolong dissipation
- Keep out of the reach of children,
- Use with adequate ventilation
- In case of ingestion, CALL A PHYSICIAN immediately. DO NOT induce vomiting.
- Can cause skin irritation upon contact, especially prolonged or repeated. If skin contact occurs, wash immediately with soap and water and seek medical help as needed.
- If eye contact occurs, flush immediately with clean water and seek medical help as needed.
- Read MSDS before using product.

DO NOT EXPOSE TO OR APPLY NEAR FIRE OR FLAMES. FOR WELL VENTILATED OR EXTERIOR USE ONLY!

WARRANTY

NOTICE-READ CAREFULLY CONDITIONS OF SALE

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WARRANTY

NOTICE-READ CAREFULLY

CONDITIONS OF SALE

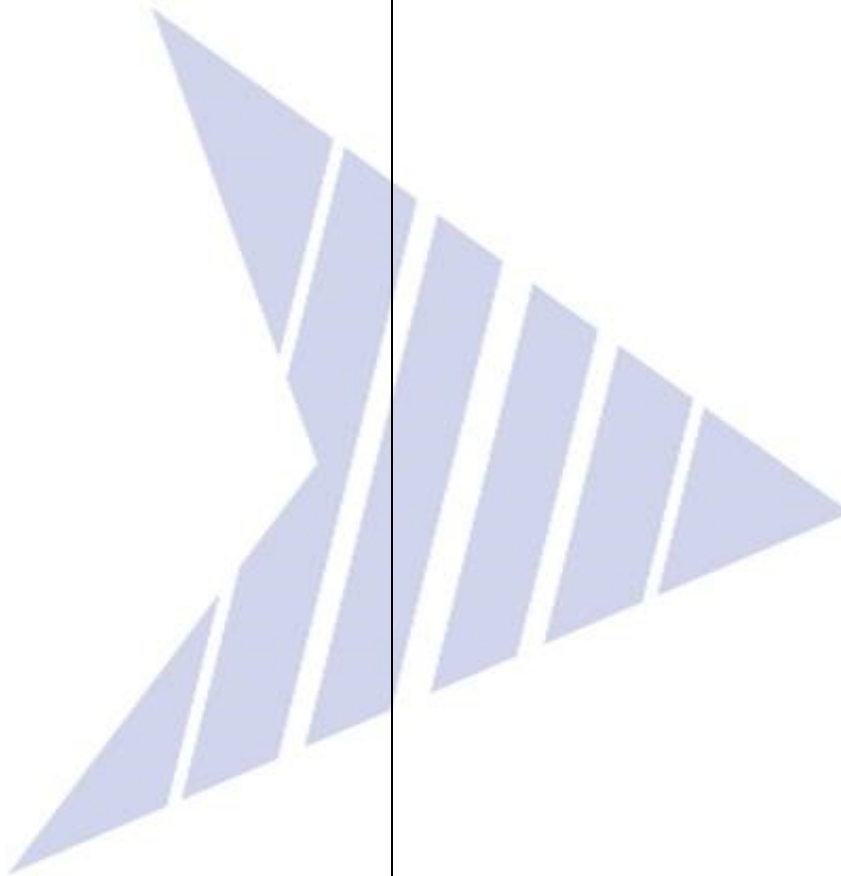
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