

TOWNEPLACE SUITES

LEE'S SUMMIT, MO

PRINTS ISSUED

11/01/2023 - CITY SUBMITTAL

REVISIONS:

rosemann & associates p.c.
ARCHITECTURE
INTERIOR DESIGN
ENGINEERING
PLANNING

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TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
TITLE SHEET

PROJECT NUMBER: 23098

SHEET NUMBER:

G-001

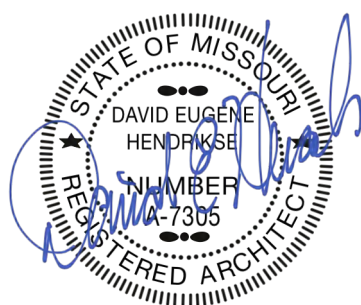
PROJECT CERTIFICATION

I, **David E. Hendrikse**, hereby specify pursuant to the governing requirements of the state, that the documents intended to be authenticated by my seal are limited to:

AS-100	G-101	G-208	A-105	A-302	A-406	A-502	A-707	A-725
AS-101	G-102	G-209	A-106	A-303	A-407	A-503	A-715	A-726
G-001	G-103	G-210	A-120	A-304	A-408	A-504	A-716	A-727
G-002	G-200	G-300	A-121	A-305	A-410	A-600	A-717	A-728
G-003	G-201	G-301	A-122	A-306	A-411	A-601	A-718	A-729
G-004	G-202	G-302	A-123	A-400	A-412	A-602	A-719	A-730
G-005	G-203	G-303	A-125	A-401	A-413	A-700	A-720	A-731
G-006	G-204	A-101	A-200	A-402	A-414	A-701	A-721	A-732
G-007	G-205	A-102	A-201	A-403	A-415	A-704	A-722	A-733
G-008	G-206	A-103	A-300	A-404	A-500	A-705	A-723	A-734
G-100	G-207	A-104	A-301	A-405	A-501	A-706	A-724	

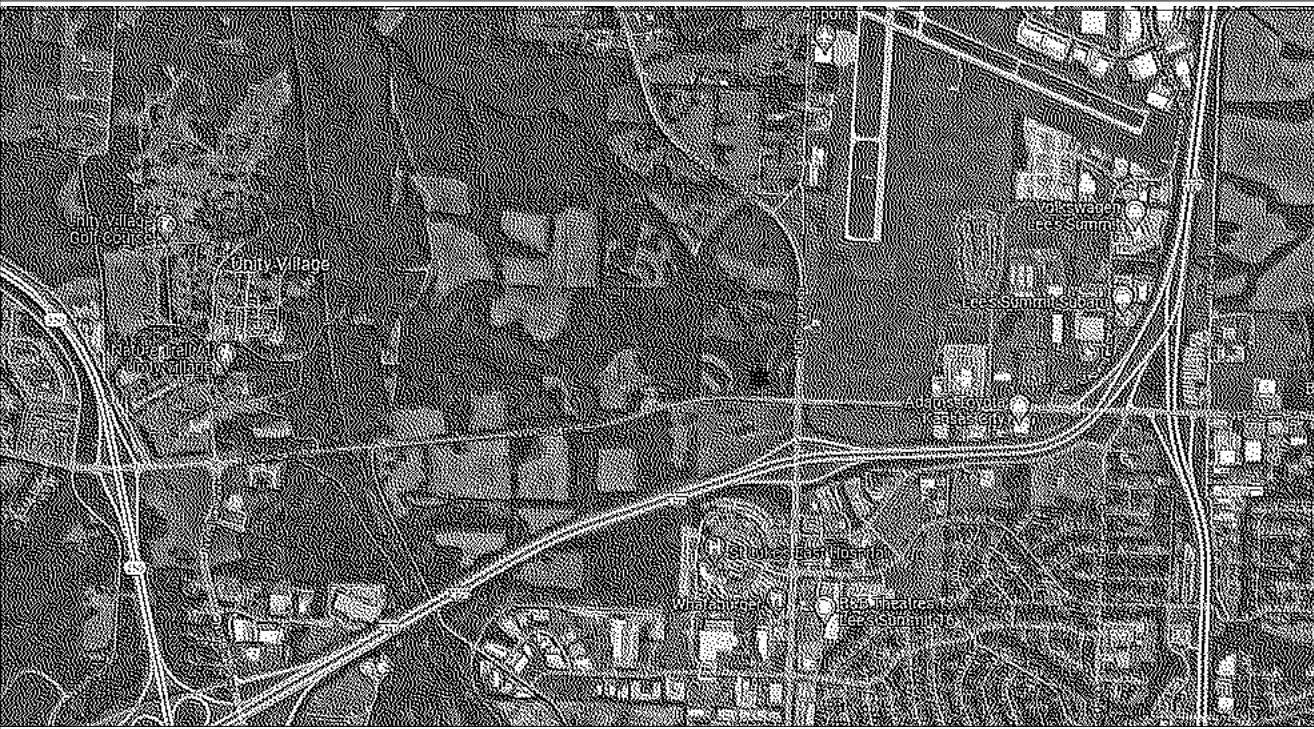
and I hereby disclaim any responsibility for all other plans, specifications, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey.

SEAL

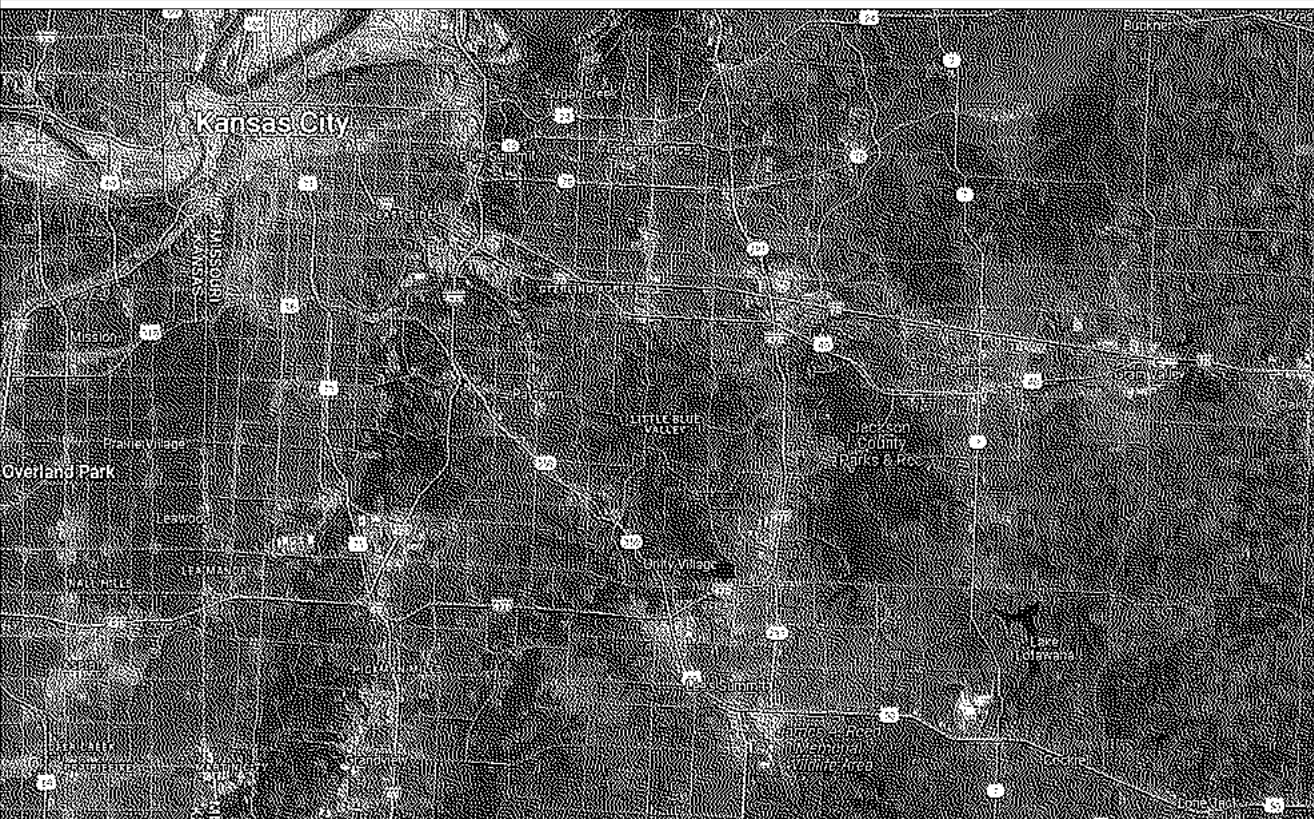


David E Hendrikse, AIA

REGIONAL MAP

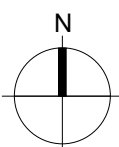


VICINITY MAP



TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA



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PROJECT DATA

PROJECT DESIGN INFORMATION

NEW CONSTRUCTION:

ZONING:
CODE:

PLANNED COMMUNITY COMMERCIAL

2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL FUEL GAS CODE
2018 INTERNATIONAL FIRE CODE
2017 NATIONAL ELECTRIC CODE
2009 ACCESSIBILITY CODE ICC/ANSI 117-1
LEE'S SUMMIT AMENDMENTS TO ENERGY CODE

OCCUPANCY GROUP:

R-1, HOTEL TRANSIENT
A-2, UNCONCENTRATED ASSEMBLY
A-4, SWIMMING POOL
S-2, OPEN PARKING GARAGE

TYPE OF CONSTRUCTION:

R-1, A-2, A-4, TYPE VA
S-2, TYPE IIA

ENERGY CONSERVATION:

WALLS AS PART OF BLDG ENVELOPE
FLOORS AS PART OF BLDG ENVELOPE
ROOFS AS PART OF BLDG ENVELOPE
CEILINGS AS PART OF BLDG ENVELOPE

R-11
R-19
R-19
R-30

BUILDING SUMMARY:

NUMBER:
HEIGHT:

1 TOTAL BUILDING
4 STORIES, 50'-0"

SQUARE FOOTAGES:

GROSS

FIRST FLOOR
SECOND FLOOR
THIRD FLOOR
FOURTH FLOOR

22,735 S.F.
20,161 S.F.
20,161 S.F.
20,161 S.F.

UNIT SUMMARY:

126 TOTAL UNITS

ABBREVIATIONS

A	ABV	ABOVE
	ACC	ACCESSIBLE
	ACT	ACOUSTICAL CEILING TILE
	AD	AREA DRAIN
	ADA	AMERICANS WITH DISABILITIES ACT
	ADAAG	ADA ACCESSIBILITY GUIDELINES
	ADF	ACCESSIBLE DRINKING FOUNTAIN
	ADH	ADHESIVE
	ADJ	ADJUSTABLE/ADJACENT
	AEWC	ACCESSIBLE ELECTRIC WATER COOLER

B	B.O.	BOTTOM OF
	BLDG	BUILDING
	BLK	BLOCK / BLACK
	BLKG	BLOCKING
	BM	BENCH MARK
	BO	BY OTHERS
	BOD	BOTTOM OF DECK(ING)
	BOH	BACK OF HOUSE
	BOT	BOTTOM (OF)
	BRG	BEARING

C	C TO C	CENTER TO CENTER
	CAB	CABINET
	CB	CERAMIC BASE/CORNER BEAD/CHALKBOARD
	CEM / CEMENT	CEMENT / CEMENTITIOUS
	CFM	CUBIC FEET PER MINUTE
	CI	CAST IRON
	CIP	CAST IN PLACE
	CJ	CONTROL JOINT
	CL	CENTERLINE
	CLG	CEILING

D	DBL	DOUBLE
	DEMO	DEMOLITION / DEMOLISH
	DIA	DIAMETER
	DIAG	DIAGONAL
	DIM	DIMENSION
	DIMS	DIMENSIONS
	DN	DOWN
	DP	DEEP
	DR	DOOR
	DS	DOWNSPOUT

E	EA	EACH
	EF	EACH FACE
	EJ	EXPANSION JOINT
	EL	ELEVATION
	ELEC	ELECTRIC(AL)
	ELEV	ELEVATOR
	ENLG	ENLARGED
	EPDM	ETHYLENE PROPYLENE DIENE TERPOLYMER
	EQ	EQUAL
	ES	EACH SIDE

F	FA	FIRE ALARM
	FACP	FIRE ACCESS CONTROL PANEL
	FAWCM	FULLY ADHERED WATER CONTROL MEMBRANE
	FBG	FIBERGLASS
	FD	FLOOR DRAIN / FIRE DEPARTMENT
	FDN	FOUNDATION
	FEC	FIRE EXTINGUISHER
	FF	FINISH FLOOR
	FLG	FIBERGLASS
	FLR	FLOOR

G	GA	GAUGE
	GALV	GALVANIZED
	GB	GRAB BAR
	GC	GENERAL CONTRACTOR
	GEN	GENERAL
	GFRG	GLASS FIBER REINFORCED CONCRETE
	GL	GLASS
	GLZ	GLAZED TILE
	GPM	GALLONS/MINUTE
	GR	GRADE

H	HB	HOSE BIBB
	HC	HOLLOW CORE
	HCWD	HOLLOW CORE WOOD
	HD	HEAVY DUTY OR HAND DRYER
	HDBD	HARD BOARD
	HDNR	HARDENER
	HDW	HARDWARE
	HDWD	HARDWOOD
	HM	HOLLOW METAL
	HORIZ	HORIZONTAL

I	IBC	INTERNATIONAL BUILDING CODE
	ID	INTERIOR DESIGNER
	ID	INSIDE DIAMETER
	IDF	INDIVIDUAL DISTRIBUTION FRAME
	IL	INDEPENDENT LIVING
	IN	INCHES
	INDIV	INDIVIDUAL
	INSUL	INSULATION / INSULATED
	INT	INTERIOR
	INV	INVERT

J	JAN	JANITOR
	JST	JOIST
	JT	JOINT
	KD	KNOCKED DOWN
	KIT	KITCHEN
	KN	KNOX BOX
	LA	LANDSCAPE / LANDSCAPE ARCHITECT
	LAM	LAMINATE
	LAV	LAVATORY
	LF	LINEAR FOOT/FEET

K	LA	LANDSCAPE / LANDSCAPE ARCHITECT
	LAM	LAMINATE
	LAV	LAVATORY
	LF	LINEAR FOOT/FEET
	LG	LONG
	LGTH	LENGTH
	LKR	LOCKER
	LSC	LIFE SAFETY CODE
	LT	LIGHT
	MAS	MASONRY

L	MATL	MATERIAL
	MAX	MAXIMUM
	MB	MARKER BOARD / MAIL BOX
	MC	MEMORY CARE
	MDF	MAIN DISTRIBUTION FRAME
	MECH	MECHANICAL
	MFR	MANUFACTURE(ER)
	MH	MANHOLE
	MI	MIRROR
	MIN	MINIMUM

M	MO	MASONRY OPENING
	MTD	MOUNTED
	MTG HT	MOUNTING HEIGHT
	MTL	METAL
	N	NORTH
	N/A	NOT APPLICABLE
	NIC	NOT IN COUNT / NOT IN CONTRACT
	NO	NUMBER
	NOM	NOMINAL
	NTS	NOT TO SCALE

N	OA	OVERALL
	OC	ON CENTER
	OD	OUTSIDE DIAMETER
	OFD	OVERFLOW ROOF DRAIN
	OFF	OFFICE
	OH	OPPOSITE HAND
	OPNG	OPENING
	OPP	OPPOSITE
	OSB	ORIENTED STRAND BOARD
	PA	PUBLIC ADDRESS

O	PAR	PARALLEL
	PCP	PORTLAND CEMENT PLASTER
	PERP	PERPENDICULAR
	PH	PRE-HUNG
	PL	PROPERTY LINE
	PLAM	PLASTIC LAMINATE
	PLAS	PLASTER
	PLBG	PLUMBING
	PLBG	PLUMBING
	PLYWD	PLYWOOD

P	PNL	PANEL
	PNLG	PANELING
	PR	PAIR
	PRE-FIN	PRE-FINISHED
	PREFAB	PREFABRICATED
	PREFIN	PREFINISHED
	PT	PAINT
	PTD	PAINTED
	PTN	PARTITION
	PTR	PAPER TOWEL RECEPTACLE

Q	Q	QUANTITY
	Q	QUANTITY
	Q	QUANTITY
	Q	QUANTITY
	Q	QUANTITY
	Q	QUANTITY
	Q	QUANTITY
	Q	QUANTITY
	Q	QUANTITY
	Q	QUANTITY

R	R	RADIUS
	RA	RETURN AIR
	RC	RESILIENT CHANNEL
	RCP	REFLECTED CEILING PLAN / REINFORCED CONCRETE PIPE(ING)
	RD	ROOF DRAIN
	RE / REF	REFER TO
	RECPT	RECEPTACLE
	RECS	RECOMMENDATION(S)
	REF	REFRIGERATOR / REFER TO
	REINF	REINFORCING

S	S	SOUTH
	SAF	SELF ADHERED FLASHING
	SAFP	SPRAYED APPLIED FIRE-PROOFING
	SC	SOLID CORE
	SCHED	SCHEDULE
	SCR	SHOWER CURTAIN ROD
	SCWD	SOLID CORE WOOD
	SD	SOAP DISPENSER
	SECT	SECTION
	SF	SQUARE FEET

T	SH	SINGLE HUNG
	SHR	SHOWER
	SHT	SHEET
	SIM	SIMILAR
	SND	SANITARY NAPKIN DISPENSER
	SOG	SLAB ON GRADE
	SP CTG	SPECIAL COATING
	SPEC	SPECIFICATION
	SPKR	SPEAKER
	SQ	SQUARE

U	SQIN	SQUARE INCHES
	SST	STAINLESS STEEL
	STC	SOUND TRANSMISSION COEFFICIENT
	STD	STANDARD
	STL	STEEL
	STOR	STORAGE
	STRUCT	STRUCTURAL
	SUBFLR	SUBFLOOR
	SUSP	SUSPEND(ED)
	SY	SQUARE YARD

V	SYM	SYMMETRICAL
	T	TREAD
	T&B	TOP AND BOTTOM
	T&G	TONGUE AND GROOVE
	T.O.	TOP OF
	TB	TOWEL BAR
	TBD	TO BE DETERMINED
	TEL / TELE	TELEPHONE
	TER / TRZ	TERRAZZO (TERRACE)
	TERM	TERMINATE / TERMINAL

W	TOC	TOP OF CURB / TOP OF CONC
	TOM	TOP OF MASONRY
	TOW	TOP OF WALL
	TP / TPD	TOILET PAPER DISPENSER
	TPO	THERMOPLASTIC POLYOLEFIN
	TRANS	TRANSFORMER / TRANSPARENT / TRANSOM
	TS	TUBE STEEL
	TYP	TYPICAL
	UNO	UNLESS NOTED OTHERWISE
	UON	UNLESS OTHERWISE NOTED

X	UR	URINAL
	US	UTILITY SHELF
	W	WEST
	W/	WITH
	W/IN	WITHIN
	W/O	WITHOUT
	WC	WATER CLOSET
	WD	WOOD
	WDW	WINDOW
	WF	WIDE FLANGE / WATER FOUNTAIN

Y	WH	WALL HUNG / HYDRANT / WATER HEATER / WEEP HOLE
	WLD	WELD(ED)
	WRB	WEATHER-RESISTANT BARRIER
	WT	T SECTION
	WWF	WELDED WIRE FABRIC
	X	BY (EX: 2X4)
	Y	YARD / YARD DRAIN
	Z	ZONE
	ZZ	ZONE
	ZZZ	ZONE

Z	Z	ZONE
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A	A	ACCESSIBLE
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	A	ACCESSIBLE

B	B	BLOCK
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C	C	CENTER
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D	D	DOUBLE
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MATERIAL LEGEND AND SYMBOLS

MASONRY BLOCK - PLAN

1/2" = 1'-0" AND BELOW

BRICK - SECTION

CONCRETE

ABOVE 1-1/2" = 1'-0"

STUD WALL

GYPSUM BOARD

PLYWOOD

RIGID INSULATION

BATT INSULATION

STANDING SEAM METAL ROOF

EARTH

CRUSHED ROCK

SAND

CONTINUOUS LUMBER

NON-CONTINUOUS LUMBER (SHIM)

FINISH LUMBER

STEEL OR METAL

9999A.2

Room Name

Type A or ACC BLDG # || 1/A-400

Type B (E) || 1/A-401

Type B - Hiv || 1/A-401

ACCESSIBLE UNIT OR TYPE-A UNIT

HEARING IMPAIRED UNIT

VISUALLY IMPAIRED UNIT

DOOR NUMBER

WINDOW TYPE

WALL TYPE

ELEVATION KEYNOTE

PLAN KEYNOTE

SIMILAR TO WALL SECTION INDICATED

WALL SECTION CUT LINE

SIMILAR TO BUILDING SECTION INDICATED

BUILDING SECTION CUT LINE

EXTERIOR ELEVATION

INTERIOR ELEVATION

ENLARGED PLAN OR DETAIL CALLOUT

ELEVATION MARK

ARCHITECT TO VERIFY

ELEVATION NUMBER

SHEET NUMBER

ELEVATION NUMBER

SHEET NUMBER

ELEVATION NUMBER

SHEET NUMBER

ELEVATION NUMBER

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Name

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ARCHITECT TO VERIFY

GENERAL NOTES

STANDARDS AND REGULATIONS

1. CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMANCE WITH APPLICABLE BUILDING CODES, REGULATIONS, ORDINANCES, UTILITY PROVIDER REQUIREMENTS, AND SIMILAR STANDARDS.

2. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND SIMILAR RELEASES REQUIRED FOR CONSTRUCTION AND OCCUPANCY. CONTRACTOR SHALL FURNISH ALL COPIES OF SUCH ITEMS TO OWNER AND ARCHITECT WITHIN 10 DAYS OF RECEIPT. IF PERMITS ARE ISSUED SUBJECT TO CERTAIN CONDITIONS OR REVISIONS TO THE WORK OR PERMITS ARE DELAYED FOR ANY REASON, CONTRACTOR SHALL NOTIFY CONTRACTING OFFICER IMMEDIATELY.

3. CONTRACTOR SHALL OBTAIN ALL REQUIRED INSPECTIONS OF THE WORK. CONTRACTOR SHALL REGULARLY UPDATE OWNER AND ARCHITECT REGARDING THE STATUS OF THE INSPECTIONS.

4. CONTRACTOR SHALL COORDINATE WORK WITH APPLICABLE UTILITY PROVIDERS.

5. CONTRACTOR SHALL BE FAMILIAR WITH AND WORK SHALL BE IN COMPLIANCE WITH REFERENCED FIRE-RATED ASSEMBLY TESTS AND STANDARDS.

ADMINISTRATION OF THE WORK

1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS AND SEQUENCES OF CONSTRUCTION.

2. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF ALL CONSTRUCTION PERSONNEL AND AUTHORIZED VISITORS.

3. CONTRACTOR SHALL BECOME FULLY ACQUAINTED WITH THE CONDITIONS RELATED TO THE WORK. ANY KNOWN DISCREPANCIES BETWEEN THE DOCUMENTS AND ACTUAL CONDITIONS SHALL BE REPORTED TO THE OWNER FOR RESOLUTION PRIOR TO PROCEEDING WITH WORK RELATED TO THE DISCREPANCY.

4. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL CONSTRUCTION AND DEMOLITION DEBRIS. CONTRACTOR SHALL OBTAIN APPROVAL OF OWNER (AND GOVERNING AUTHORITIES, IF APPLICABLE) FOR DETAILS RELATED TO REMOVAL OF TRASH, INCLUDING SUCH ISSUES AS PATH OF TRAVEL.

5. CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH GOVERNMENT'S PROCEDURES FOR MAINTAINING A SECURE SITE AND BUILDING.

6. EACH INSTALLER SHALL EXAMINE SUBSTRATE CONDITION AND/OR SITE CONDITIONS WHICH AFFECT THE QUALITY OF EACH PRODUCT TO BE INSTALLED. IF ANY CONDITIONS EXIST WHICH WILL HAVE A DETRIMENTAL EFFECT ON THE QUALITY OF THE INSTALLATION, THE INSTALLER SHALL IMMEDIATELY NOTIFY THE CONTRACTOR. INSTALLATION SHALL NOT PROCEED UNTIL THE UNSATISFACTORY CONDITIONS ARE CORRECTED. PROCEEDING WITH THE INSTALLATION SHALL SIGNIFY ACCEPTANCE OF THE CONDITIONS.

7. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS ON SITE AT ALL TIMES.

8. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COORDINATION EFFORTS OF ALL SUBCONTRACTORS.

9. CONTRACTOR SHALL NOT CLOSE UP CEILING UNTIL ARCHITECT HAS AN OPPORTUNITY TO INSPECT ALL WORK WHICH WILL BE CONCEALED BY CEILING. CONTRACTOR SHALL NOTIFY ARCHITECT AT LEAST TWENTY-FOUR HOURS PRIOR TO CLOSE-UP.

10. CONTRACTOR SHALL LAY OUT WORK AS SOON AS POSSIBLE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.

USE OF CONSTRUCTION DOCUMENTS

1. CONTRACTOR SHALL NOT SCALE DRAWINGS. ONLY WRITTEN DIMENSIONS OR KEYED NOTES SHALL BE USED. CONTACT ARCHITECT IF CLARIFICATION OR ADDITIONAL INFORMATION IS REQUIRED.

2. DRAWINGS SHALL

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ENVIRONMENTAL GENERAL NOTES

- NOTE REMOVED.
- CONTRACTOR IS RESPONSIBLE FOR PROPER NOTIFICATION AS MAY BE REQUIRED FOR LOCAL, STATE, OR FEDERAL ABATEMENT PROCEDURES AND PAYMENT OF ALL FEES TO THE REQUIRED JURISDICTION.
- CONTRACTOR SHALL PROPERLY NOTIFY AND INFORM ALL SUB-CONTRACTORS AND ALL WORKERS/EMPLOYEES EITHER ENTERING OR WORKING ON SITE OF THE PRESENCE OF ANY AND ALL HAZARDOUS MATERIALS IDENTIFIED.
- CONTRACTOR SHALL COORDINATE ALL ABATEMENT PROCEDURES, NOTIFICATION AND WORK WITH OWNER RETAINED THIRD PARTY ENVIRONMENTAL ENGINEER/CONSULTANTS IN IDENTIFICATION, ABATEMENT AND REMEDIATION OF ANY HAZARDOUS MATERIAL.
- NOTE REMOVED.
- NOTE REMOVED.
- NOTE REMOVED.
- ALL HAZARDOUS MATERIALS SHALL BE SAMPLED BY A LICENSED ABATEMENT ENVIRONMENTAL ENGINEER/CONSULTANT AND REMOVED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. CONTRACTOR SHALL NOTIFY OWNER AND ENVIRONMENTAL ENGINEER/CONSULTANT IMMEDIATELY UPON DISCOVERY OF ANY HAZARDOUS MATERIAL WHICH MAY BE CONCEALED AT TIME OF THE ORIGINAL PHASE I ENVIRONMENTAL REPORT AND MAY NOT HAVE BEEN PREVIOUSLY IDENTIFIED OR LOCATED.
- NOTE REMOVED.
- PLEASE REFERENCE THE PROJECT SPECIFICATIONS FOR THE PHASE I ENVIRONMENTAL SUMMARY REPORT. A COMPLETE COPY OF THE PHASE I REPORT AND FINDINGS IS AVAILABLE UPON REQUEST FROM THE OWNER, CONTRACTOR AND/OR ARCHITECT

ELEVATION GENERAL NOTES

- ALL EXTERIOR SURFACES TO BE FINISHED UNO, INCLUDING BUT NOT LIMITED TO, TRIM, SIDING, GRILLS, VENTS, STACKS, ETC.
- CAULK ALL JOINTS AND SEAMS BETWEEN DISSIMILAR MATERIALS FOR WEATHERTIGHT, WATERTIGHT, AIRTIGHT PERFORMANCE.
- ALL FACADE MATERIAL TO WRAP BACK TO INSIDE BUILDING CORNER, UNO.
- ALL SURFACE RUNS GREATER THAN 25'-0" & INTERIOR CORNERS TO RECEIVE CONTROL JOINT, COORDINATE LOCATION WITH ARCH.

REFLECTED CEILING PLAN GENERAL NOTES

- SEE ID & MEP SETS FOR LOCATIONS OF ALL LIGHT FIXTURES AND MECHANICAL DIFFUSERS.
- COORDINATE ANY DISCREPANCIES WITH MEP AND ARCHITECT PRIOR TO INSTALLATION.
- REFERENCE ALL INTERIORS DRAWINGS FOR COORDINATION
- ALL CEILINGS TO CONFORM TO 2018 IBC TABLE 803.9
- ALL ACT TILES TO BE WHOLE DIMENSIONS AND ARE NOT TO BE FIELD CUT, ALL ACT TO BE FIELD CENTERED IN SPACE, U.N.O. OR DIMENSIONED
- SEE ENLARGED UNIT PLANS (A-400 SERIES) FOR ALL UNIT RCP PLANS EXCEPT WHERE HEIGHTS ARE LISTED ON RCP PLANS IN A-100 SERIES.
- DROPPED CEILINGS AT BATHROOMS ARE TO BE LOCATED AT 8'-0" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED ON THE PLAN.
- ALL EXPOSED EQUIPMENT (IE SPRINKLER HEADS) TO BE ALIGNED AND CENTERED IN GEOMETRY AND PLACED INCONSPICUOUSLY. SPRINKLERS IN COMMON AREAS TO BE RECESSED.
- NOTE REMOVED.
- NOTE REMOVED.
- NOTE REMOVED.
- WHERE CEILING HEIGHT IS B.O. FLOOR ASSEMBLY, FINISH TO BE LEVEL FOUR FINISH. ALL UNITS TO HAVE A LEVEL FOUR FINISH AT CEILINGS.
- ALL MECH DUCTS WHICH FEED TO PLENUM SPACE VIA MECH SHAFTS SHALL BE ENCLOSED ON THE BOTTOM ACCORDING TO PROGRESSIVE ENGINEERING REPORT AER-09-038.
- ACCESS TO EQUIPMENT SHALL BE THROUGH ACT WHERE AVAILABLE. WHERE NECESSARY, ACCESS THROUGH GWB CEILING TO USE ACCESS HATCHES. GC TO PROVIDE HATCHES AND HATCH LOCATION DIAGRAM PRIOR TO INSTALL.
- ALL DIMENSIONS FOR CEILING TYPE C5 AND C1 ARE TO FINISHED FACE. ALL DIMENSIONS TO WALLS ARE TO F.O. STUD.
- ALL DROPPED SOFFIT FRAMING IN COMMON AREAS SHALL BE OUT OF METAL STUDS. ONE (1) HOUR RATED CEILING THROUGHOUT BUILDING AT UNDERSIDE OF ROOF TRUSSES AND ARE PART OF THE FIRE RATED FLOOR-CEILING ASSEMBLY.
- ALL GYPSUM BOARD CEILINGS TO BE PAINTED PA-1 (U.O.N.).
- MISCELLANEOUS SYMBOLS INDICATED ON REFLECTED CEILING PLAN ARE MECHANICAL IN NATURE. REFER TO MEP DRAWING SHEETS FOR FURTHER CLARIFICATION FOR ITEM IDENTIFICATION AND LOCATIONS.

PLAN GENERAL NOTES

- GENERAL
 - ALL NEW WORK TO MEET ALL APPLICABLE BUILDING, PLUMBING, MECHANICAL, ELECTRICAL, HANDICAP, AND LIFE SAFETY CODES AND REQUIREMENTS.
 - ALL WALL DIMENSIONS ARE TO FACE OF STUD, UNLESS NOTED OTHERWISE.
 - DO NOT SCALE DRAWINGS.
 - NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN PROJECT DOCUMENTS AND EXISTING CONDITIONS. ANY MODIFICATIONS DUE TO DIMENSIONAL CHANGES SHOULD BE PART OF THE PROJECT COST.
 - GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL THOROUGHLY FAMILIARIZE THEMSELVES TO ALL SITE SPECIFIC REQUIREMENTS AND EXTENTS OF THE NEW WORK PRIOR TO BIDDING. NO CHANGES IN THE CONTRACT WILL BE CONSIDERED FOR INFORMATION DISCERNABLE FROM THE EXISTING CONDITIONS OR THE PROJECT DOCUMENTS.
 - CONTRACTORS SHALL BE FAMILIAR AND INCORPORATE ALL PROVISIONS AND REQUIREMENTS ESTABLISHED BY CODES APPLICABLE TO THE PROJECT INCLUDING FAIR HOUSING, UFAS, ANSI, & ADAAG
 - REPORT ALL EXISTING CONDITIONS THAT ARE DAMAGED OR MARRED TO THE ARCHITECT PRIOR TO COMMENCEMENT OF THE NEW WORK.
 - TYPICAL TOP OF FIRST FLOOR SUBFLOOR ELEVATION IS REFERENCED AS 100'-0". CONTRACTOR SHALL VERIFY BUILDING FINISH FLOOR ELEVATION WITH ACTUAL CONDITIONS. COORDINATE ACTUAL GRADE WITH CIVIL DRAWINGS.
 - FULLY ACCESSIBLE UNITS SHALL MEET THE REQUIREMENTS OF 2009 ICC/ANSI A117.1 - TYPE 'A' DWELLING UNITS AND 2010 ADAAG (DOJ). ALL OTHER DWELLING UNITS TO BE TYPE 'B'.
 - MAIN LEVEL ELEVATION IS T.O. GYPCRETE, OR T.O. CONCRETE SLAB, RESPECTIVELY.
 - LEVELS ABOVE MAIN LEVEL ARE MEASURED TO T.O. SUBFLOOR.
 - WHOLE BUILDING TO MEET FAIR HOUSING ACT.
 - ALL PENETRATIONS INTO FIRE-RATED ASSEMBLIES ARE TO BE FIRES TOPPED WITH UL APPROVED FIRESTOPPING ASSEMBLIES. UL INFORMATION SHALL BE PROVIDED BY TRADE RESPONSIBLE FOR PENETRATION. REFERENCE THE G200 SERIES.
 - THROUGH PENETRATIONS NOT LOCATED WITHIN WALL CAVITY OR FLOOR/CEILING/ROOF ASSEMBLY SHALL BE REQUIRED TO HAVE FIRE RESISTIVE PENETRATION WITH A T-RATING EQUAL TO OR EXCEEDING THE ASSEMBLY THAT IS PENETRATED.
 - CONTROL JOINTS IN GWB AT ALL UNIT CORRIDORS SHALL BE LOCATED AT INSIDE CORNER OF PILASTERS AND ACROSS TOP OF DROP SOFFIT AT PILASTERS. AT LOCATIONS WHICH THERE IS A 30' SPAN BETWEEN PILASTERS, A CONTROL JOINT SHALL OCCUR AT THE CENTRAL LOCATION BETWEEN THE TWO PILASTERS ADJACENT TO THE NEAREST DOOR, RUNNING FROM HEAD TO T.O. PARTITION AT CORNER. AT LOCATIONS WHICH THERE IS A 30' SPAN BETWEEN SOFFIT WHERE PILASTER OCCURS, A CONTROL JOINT SHALL OCCUR AT THE INSIDE CORNER OF PILASTER AND SOFFITS. CONTROL JOINTS SHALL OCCUR AT THE CORNERS OF ALL STOREFRONT, RUNNING TO THE T.O. THE PARTITION. GC TO VERIFY WITH ARCHITECT DURING CONSTRUCTION ALL CONTROL JOINT LOCATIONS PRIOR TO INSTALL.
 - PROVIDE FIREBLOCKING AND DRAFTSTOPPING AS REQUIRED AND IN ACCORDANCE WITH 2018 IBC, SECTION 717.0.
 - CONTRACTOR TO PROVIDE FIRE BLOCKING AT FIRE SEPARATION PARTITION AT 10' ON CENTER VERTICALLY. TYPICAL. CONTRACTOR TO PROVIDE FIRE BLOCKING AT FIRE SEPARATION PARTITION AT ALL BACK-TO-BACK ELECTRICAL OUTLETS.
 - ALL INTERIOR WALLS ARE TYPE P1, UNLESS NOTED OTHERWISE. ALL EXTERIOR WALLS ARE TYPE P30, UNLESS NOTED OTHERWISE. SEE SHEET G-101 FOR PARTITION SCHEDULE.
 - ALL EXTERIOR MATERIALS TO BE APPLIED PER MANUFACTURER RECOMMENDATIONS AND WITH ASSOCIATED PRODUCTS (SUCH AS STAPLES, NAILS, TAPER, SEALANT).
- CONCRETE
 - CONCRETE SEALANT TO BE USED ON FIRST FLOOR WHERE RECEIVING RESILIENT VINYL FLOORING.
 - AT SLAB ON GRADE UNITS, LEVEL CONCRETE SURFACE AT AREAS WHERE VCT FLOORING TO BE INSTALLED.
- MASONRY
 - ALL EXTERIOR BRICK TO HAVE WEEP HOLES AT MAX 2" ABOVE GRADE.
 - ALL EXTERIOR BRICK TO EXTEND BELOW GRADE BY 3 COURSES (8") MIN. AND HAVE A BRICK LEDGE.
 - ALL LOCATIONS WITH EXTERIOR BRICK TO BE GROUTED SOLID FROM BELOW GRADE CONDITION TO LOWEST WEEP HOLE.
- METALS
 - STAIR HANDRAILS, TREADS, STRINGERS TO BE PRE-FINISHED OR PAINTED STEEL.
 - ALL DOWNSPOUTS TO BE CONNECTED TO UNDERDRAINS, SLOPED AWAY FROM BUILDING.
 - ALL EXTERIOR METAL TO BE PRE-FINISHED OR PRIMED/PAINTED. COLOR PER ARCH.
- WOOD, PLASTICS AND COMPOSITES
 - ALL COMMON SPACE, UNIT TOILET ROOMS, AND BATHROOMS TO HAVE BLOCKING FOR GRAB BARS. SEE G301 FOR HEIGHTS AND LOCATIONS. GRAB BARS TO BE INSTALLED IN ALL COMMON SPACE, UNIT TOILET ROOMS, AND BATHROOMS. BLOCKING TO BE PROVIDED FOR ALL SHOWER GRAB BARS AND SEATING AS REQUIRED BY MANUFACTURER.
 - CONTRACTOR TO COORDINATE BLOCKING AT ALL ADJACENT POCKET DOORS, MEDICINE CABINETS, AND OTHER ELEMENTS.
 - AT ALL IDF, MDF & ELEC ROOMS: INTERIOR FINISH TO BE FIRE-TREATED PLYWOOD PAINTED WHITE ON ALL WALLS.
 - ALL SHEAR WALL LOCATIONS & EXTENT OF SHEATHING TO BE COORDINATE WITH STRUCTURAL DRAWINGS.
 - ALL EXPOSED CABINET ENDS TO HAVE FINISHED PANELS, INCLUDING BUT NOT LIMITED TO END OF CABINET RUN, ADJACENT TO REFRIGERATOR, LOCATIONS OF VERTICAL OFFSETS.
- THERMAL AND MOISTURE PROTECTION
 - CAULK ALL JOINTS BETWEEN DISSIMILAR MATERIALS FOR WEATHER TIGHT, WATERTIGHT, AIRTIGHT, ETC. PERFORMANCE.
 - ALL EXTERIOR WRB TO BE APPLIED, TAPERED AND SEALED PER INSTRUCTIONS
 - PROVIDE SOUND ATTENUATION INSULATION OVER ALL BATHROOM CEILINGS AND IN BATHROOM WALLS, TYPICAL ALL BATHROOMS
 - AT EXTERIOR WALLS, CAULK CONTROL JOINTS IN FLOOR SLAB 12" INTO BUILDING TO PREVENT AGAINST WATER INFILTRATION.
- OPENINGS
 - DOORS- ELECTRICIAN IS REQUIRED TO COORDINATE WITH DOOR HARDWARE SCHEDULE FOR ALL ELECTRICAL ROUGH IN REQUIREMENTS FOR DOORS, INCLUDING AUTO OPERATORS, MAG HOLD OPENS, ELECTRONIC STRIKES, KEYPADS AND MAG LOCKS.
 - ALL DOOR HARDWARE SHALL BE COORDINATED W/ OWNER BY DESIGN BUILD CONTRACTOR.
- FINISHES
 - NOTE REMOVED.
 - PROVIDE 1/2" RESILIENT CHANNEL ON (1) SIDE OF EACH UNIT DEMISING WALL. EACH UNIT TO RECEIVE MIN. 1 CHANNEL ON INTERIOR FACE OF DEMISING WALL.
 - PROVIDE 1/2" RESILIENT CHANNEL ON CORRIDOR SIDE OF CORRIDOR WALL.
 - PRIME, PAINT AND SEAL ALL WALLS, COLUMNS AND CEILINGS AS REQUIRED PRIOR TO INSTALLATION OF MIEP/IF/TELEPHONE/SECURITY INSTALLATION.
 - CONTRACTOR TO COORDINATE ALL WET WALLS WITH ADJACENT RATINGS AND TO ACCOMMODATE PLUMBING FIXTURES. WALLS TO BE ALIGNED.
 - ALL WALLS TO BE ALIGNED AS INDICATED ON DRAWINGS - IF WALL IS MISALIGNED MID-WALL AND WILL AFFECT VISUAL APPEARANCE IN ROOM (I.E. 'JOG' WILL APPEAR) GC TO BRING TO ARCH ATTENTION PRIOR TO FINISHING
 - FLOOR TRANSITION SHALL OCCUR AT MIDDLE OF WALL WHERE OCCURS IN DOORWAY. PROVIDE VINYL REDUCER STRIP.

PLAN GENERAL NOTES - (CONT.)

- SPECIALTIES
 - NOTE REMOVED.
 - NOTE REMOVED.
 - NOTE REMOVED.
 - NOTE REMOVED.
 - CORNER GUARDS AT COMMON SPACES, PER INTERIORS
 - NOTE REMOVED.
 - TOILET PAPER DISPENSER TO BE INSTALLED PER A4/G-301 AND 2009 ICC ANSI 117.1.
 - SEE G300 FOR SIGNAGE REQUIREMENTS.
- NUMBERING OF UNITS AND ROOMS SHALL BE UPDATED TO MEET AHJ AND OWNER REQUIREMENTS PRIOR TO SIGNAGE PRODUCTION.
- FIRE SUPPRESSION
 - ALL UNITS TO HAVE APPROPRIATE NUMBER OF SMOKE DETECTORS INSTALLED.
 - FIRE EXTINGUISHERS SHALL BE LOCATED SO THAT THE MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 75 FEET. GENERAL CONTRACTOR TO PROVIDE SEMI-RECESSED TYPE THROUGHOUT WITH RATED CABINET. PROVIDE (1) TYPE 'CLASS K' WITHIN 30 FEET OF COMMERCIAL COOKING EQUIPMENT. PROVIDE RESIDENTIAL TYPE ANSUL SYSTEM AT ALL RESIDENTIAL RANGES AS REQUIRED BY FIRE DEPARTMENT HEIGHT TO MEET ANSI.
 - CONCEALED SPRINKLER HEADS TO BE USED U.N.O.
 - NOTE REMOVED.
 - DRY SPRINKLERS TO BE COORDINATED WITH DESIGN-BUILD CONTRACTOR. ALL SPRINKLERS IN BUILDING CAN BE WET. SPRINKLER LOCATIONS AND SPRINKLER EQUIP TO BE COORDINATED W/ ARCH PRIOR TO INSTALL. GC TO PROVIDE LOCATIONS OF HEADS ON RCPs FOR ARCH REVIEW PRIOR TO INSTALL. GC TO COORD FIRE SPRINKLER LINER W/ ALL MEP IN CORRIDOR SPACE TO MAINTAIN CEILING TYPE & HT. PER ARCH DWGS
- PLUMBING
 - PLUMBING VENT STACKS, FLUES, FRESH AIR INTAKES, ETC. NOT SHOWN FOR CLARITY. SEE MEP DRAWINGS FOR HVAC/ELECTRICAL/PLUMBING REQUIREMENTS/EQUIPMENT/LOCATIONS. GC TO VERIFY LOCATIONS OF ALL SIDEWALL VENTS PRIOR TO INSTALL.
 - PROVIDE FLOOR DRAINS AS INDICATED ON PLUMBING DRAWINGS AND PER APPLICABLE PLUMBING CODE.
 - DRAINAGE SHALL BE PER 2018 IBC 3201.4 - DRAINAGE WATER COLLECTED FROM A ROOF, AWNING, CANOPY OR MARQUEE AND CONDENSATE FROM MECHANICAL EQUIPMENT SHALL NOT FLOW OVER A PUBLIC WALKING SURFACE.
 - CONTRACTOR TO COORDINATE MECHANICAL DUCT, SPRINKLER, PLUMBING, AND ELECTRICAL SUCH THAT CEILING HEIGHTS AND LOCATIONS ARE MAINTAINED PER REFLECTED CEILING PLANS.
 - ALL DOWNSPOUTS INTO COURTYARDS AND AT HARDSCAPE TO BE HARDPIPED TO STORM SEWER. GUTTERS/DOWNSPOUTS SHALL NOT FLOW OVER SIDEWALKS OR OTHER HARDSCAPE.
- HVAC
 - GC TO COORDINATE MECHANICAL PADS FOR ROOFTOP AND GROUND MOUNTED UNITS.
- ELECTRICAL
 - SEE ELECTRICAL PLANS FOR ELECTRIC DEVICE LAYOUTS.
 - SEE C1/G300 FOR ELECTRICAL MOUNTING HEIGHT REQUIREMENTS.
 - PROVIDE EXIT SIGNS AT LOCATIONS AND PER 1011.3, IBC. - A TACTILE SIGN STATING 'EXIT' AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, AN EXTERIOR AREA FOR ASSISTED RESCUE, AN EXIT STAIRWAY, AN EXIT RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.
 - PROVIDE DIMMER CAPABILITY FOR ALL COMMON AREA DECORATIVE AND DOWNLIGHTS/SPOTS (CAN LIGHTS).
 - TIMECLOCK AND PHOTOCELL FOR EXTERIOR LIGHTS. MULTIPLE ZONES MAY BE NECESSARY. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
 - ALL ELECTRICAL AND IDF/MDF ROOMS TO HAVE SOLID BLOCKING TO ACCOMMODATE PANEL ATTACHMENT. BLOCKING TO BE PAINTED TO MATCH WALLS. WALLS TO REMAIN RATED AS INDICATED PER PLAN.
 - FIRE PULL STATIONS TO BE PROVIDED PER 2009 IFC AND A.H.J.
 - ALL LIGHTING, T-STATS AND OTHER SWITCHES TO BE INSTALLED PER ANSI 117.1, 2010 ADAAG, AND THE FAIR HOUSING ACT. LOCATIONS AND GROUPINGS OF SWITCHES TO BE ACCEPTED BY ARCH PRIOR TO INSTALL.

ROOF PLAN GENERAL NOTES

- ALL NEW WORK TO MEET ALL APPLICABLE BUILDING, PLUMBING, MECHANICAL, HANDICAP, AND LIFE SAFETY CODES AND REQUIREMENTS.
- THE MINIMUM NET FREE VENTILATING AREA SHALL BE 1/150 OF THE AREA OF THE SPACE VENTILATED. THE OPENINGS SHALL BE COVERED WITH CORROSION-RESISTANT MESH OR OTHER APPROVED MATERIALS WITH OPENINGS NOT MORE THAN 1/2" IN ANY DIRECTION.
- WHERE RIDGE OR GABLE VENTS ARE UTILIZED, ADDITIONAL PROTECTION AGAINST SNOW INFILTRATION SHALL BE PROVIDED BY BALANCING THE AREA OF THE VENTS IN THE RIDGES AND THE EAVES SUCH THAT AT LEAST 1/2 OF THE VENTILATION AREA SHALL BE PROVIDED BY SOFFIT OR EAVE VENTS, WITH THE BALANCE OF THE VENTILATION OPENINGS PROVIDED BY THE GABLE OR RIDGE VENTS. REFERENCE IBC 2018 SECTION 1203.
- ALL FLOOR JOIST BEARING HEIGHTS ARE 9'-1 1/8". ALL ROOF TRUSS BEARING HEIGHTS ARE 9'-1 1/8". REFERENCE WALL SECTIONS ON A300 SHEETS.
- 1'-0" ROOF SOFFIT, UNLESS NOTED OTHERWISE, REF: ROOF PLAN.
- CONTRACTOR TO INSTALL GUTTERS, DOWNSPOUTS AND ALL FLASHING PER APPLICABLE SMACNA GUIDELINES. IF ADDITIONAL DOWNSPOUTS ARE REQUIRED, CONTRACTOR SHALL CONFIRM LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- MEMBRANE ROOFING SYSTEM ON RIGID INSULATION, ALL ROOF LOCATIONS TYP. U.O.N.
- COLORS T.B.D., COORDINATE WITH ARCHITECT.
- FLAT ROOFS TO BE TPO MEMBRANE; INSTALL PER MANUFACTURERS INSTRUCTIONS; PROVIDE 1/4" SLOPE FOR FLAT ROOFS. PROVIDE 1/2" SLOPE FOR ALL CRICKETS.
- RE: PLUMBING FOR PRIMARY AND OVERFLOW ROOF DRAIN LOCATIONS.
- ALL DOWNSPOUTS ARE TO BE PIPED TO THE UNDERGROUND, RE: CIVIL.
- PROVIDE EXTRA LAYER OF MEMBRANE WALKWAY PATH FOR ALL MECHANICAL EQUIPMENT AT FLAT ROOF LOCATIONS FROM ROOF ACCESS.
- PROVIDE 4'x4' ROOF ACCESS HATCH TO FLAT ROOF.

PRINTS ISSUED

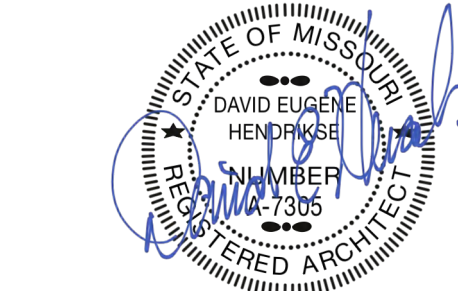
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SHEET TITLE
PLAN GENERAL NOTES

PROJECT NUMBER: 23098

SHEET NUMBER:

G-003

DENVER ▲ KANSAS CITY ▲ ST. LOUIS ▲ ATLANTA

WEATHER-RESISTIVE BARRIER INSTALLATION GUIDELINES

WEATHER-RESISTIVE BARRIER INSTALLATION ON VERTICAL WALLS

PRIOR TO INSTALLATION OF WINDOWS OR DOORS

STEP 1
UNWRAP ROLL AT CORNER, LEAVE 6" TO 12" OVERLAP - PRINTED STUD MARKS TO LINE UP WITH FIRST STUD.

STEP 2
ROLL SHOULD BE PLUMB - EXTEND BOTTOM ROLL EDGE OVER SILL PLATE INTERFACE AT LEAST 2" TO 3".

STEP 3A
WEATHER-RESISTIVE BARRIER TO BE SECURED ON VERTICAL STUD LINE EVERY 12" TO 18". WHEN USING WOOD, INSULATED SHEATHING BOARD, OR EXTERIOR GYPSUM BOARD, LARGE HEAD OR PLASTIC WEATHER HEAD NAIL USE IS BEST PRACTICE. ALSO, 1" MIN. CROWN WIDE STAPLES MAY BE USED.

STEP 3B
WHEN USING MASONRY, TEMPORARILY ATTACH BARRIER WITH ADHESIVES CONTAINING POLYURETHANE, ELASTOMERIC, OR LATEX BASE IN VERTICAL STRIPS SPACE APPROXIMATELY 24" APART (CONSULT BUILDING WRAP MANUFACTURER FOR LIST OF SUGGESTED ADHESIVES). AS A PERMANENT ATTACHMENT, USE CLADDING FASTENERS.

FLASHING SYSTEM INSTALLATION AT WINDOWS/DOORS

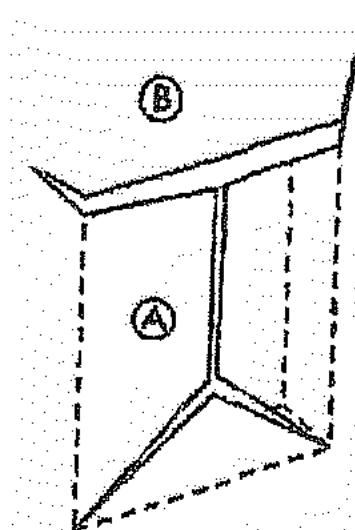
UPON COMPLETION OF WEATHER-RESISTIVE BARRIER INSTALLATION

GENERAL INSTRUCTIONS

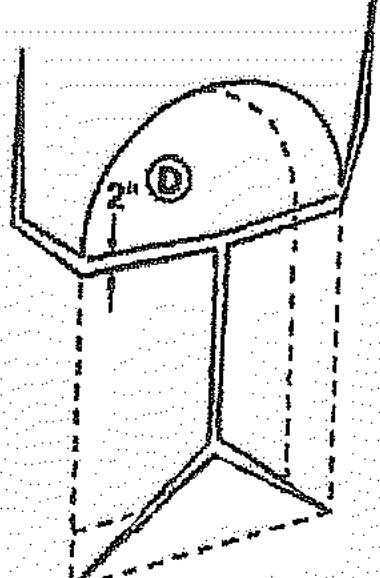
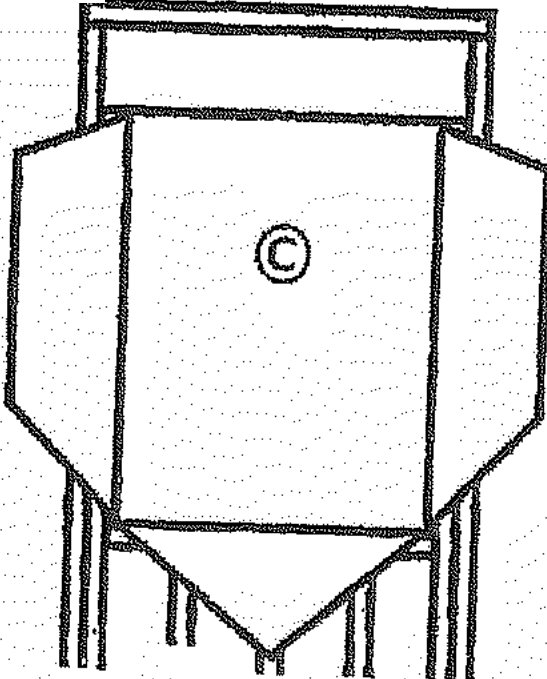
- USE AND INSTALL APPROVED FLASHING PER WEATHER-RESISTIVE BARRIER MANUFACTURER'S RECOMMENDATIONS.
- INSTALL FLASHING ON CLEAN, DRY SURFACES. SURFACES TO BE WIPED TO REMOVE MOISTURE, DIRT, GREASE AND OTHER DEBRIS WHICH MAY INTERFERE WITH ADHESION.
- PRESSURE TO BE APPLIED ALONG ENTIRE SURFACE TO ACHIEVE A GOOD BOND.
- SMOOTH/REPOSITION SURFACE AS NECESSARY TO ELIMINATE ALL WRINKLES AND BUBBLES.

STEP 6
PREPARE WEATHER-RESISTIVE BARRIER FOR WINDOW OR DOOR INSTALLATION:

- A. MAKE A MODIFIED 'I'-CUT IN THE BARRIER, BEGINNING WITH A HORIZONTAL CUT ACROSS THE TOP OF THE WINDOW FRAME. (FOR ROUNDTOP WINDOWS, BEGIN THE CUT 2" ABOVE THE MULL JOINT; SEE D). CUT STRAIGHT DOWN FROM THE CENTER APPROXIMATELY 2/3 OF THE WAY, THEN ANGLE THE CUT TO THE CORNERS (SEE A).
- B. TO EXPOSE SHEATHING, OR FRAMING MEMBERS, AND TO ALLOW FOR HEAD FLASHING INSTALLATION, CUT A FLAP ABOVE THE ROUGH OPENING.
- C. INTO THE ROUGH OPENING, FOLD SIDE AND BOTTOM FLAPS AND THEN SECURE.
- D. FLIP THE HEAD FLAP UP AND SECURE TEMPORARILY.



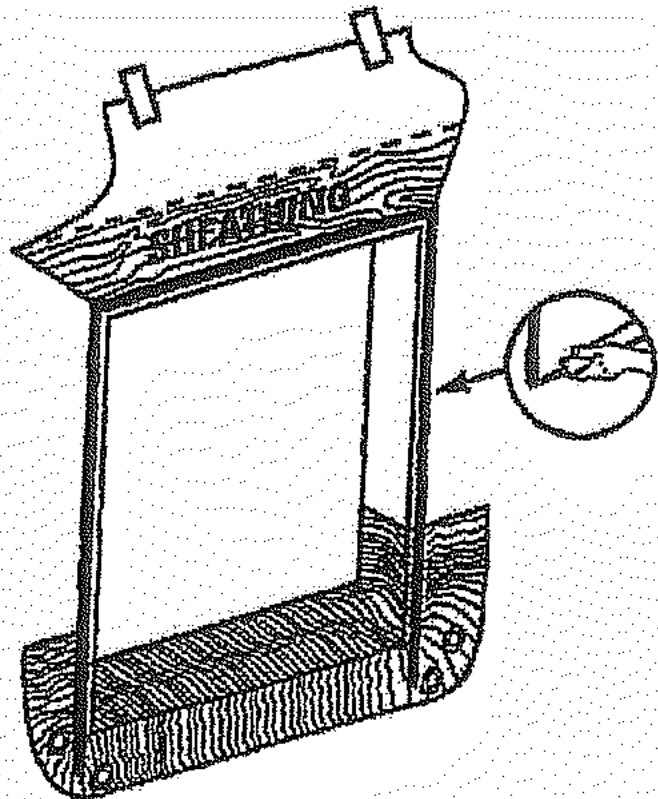
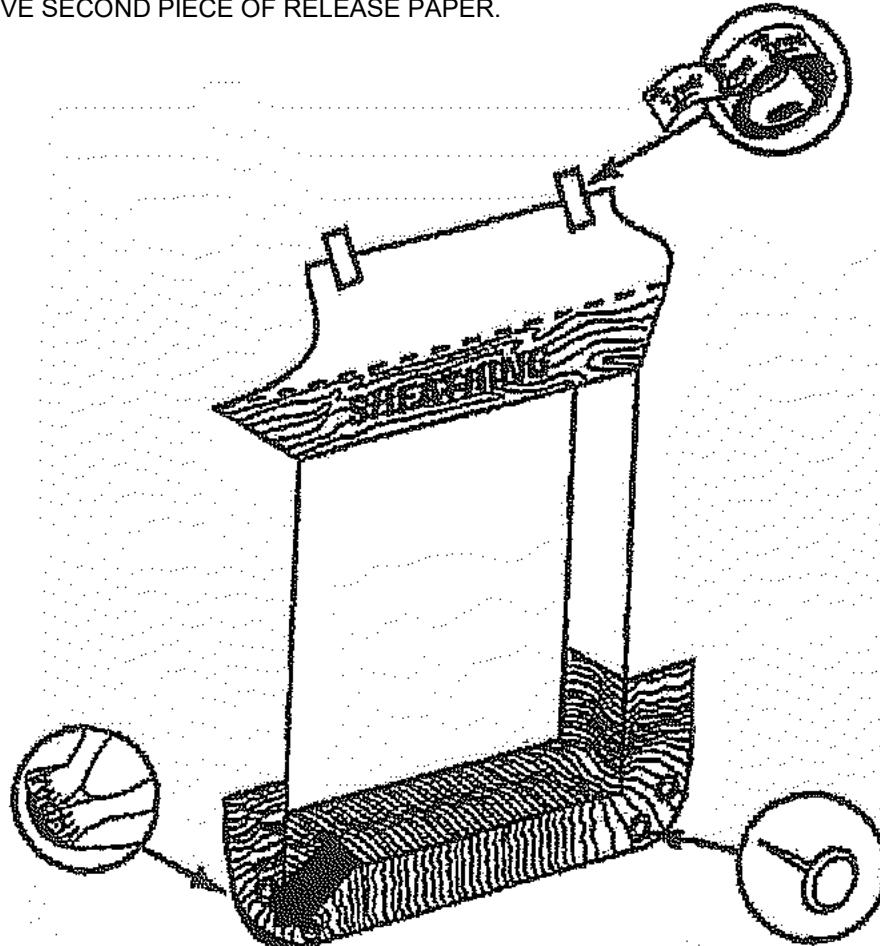
FOR RECTANGULAR WINDOWS



FOR ROUNDTOP WINDOWS

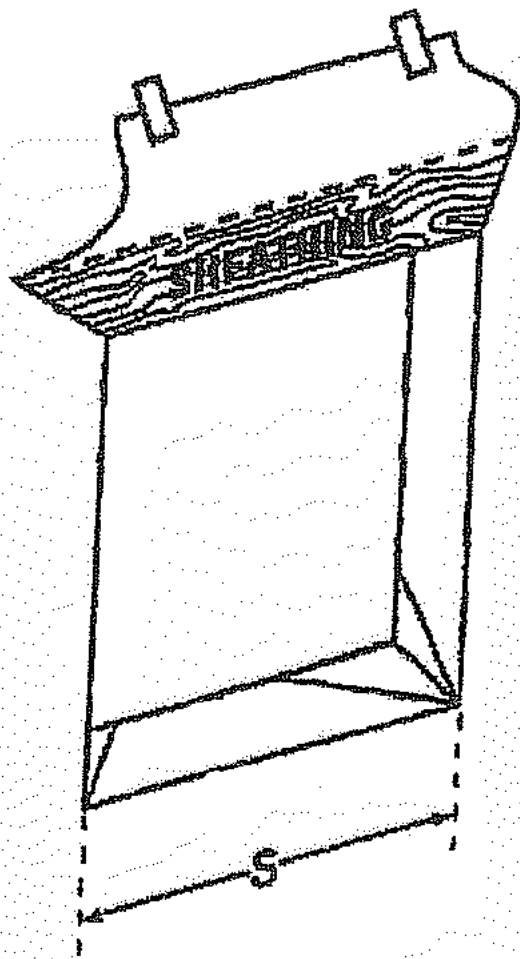
STEP 7

- A. CUT FLEXIBLE FLASHING AT LEAST 12" LONGER THAN SILL ROUGH OPENING WIDTH.
- B. REMOVE FIRST PIECE OF RELEASE PAPER, COVER HORIZONTAL SILL BY ALIGNING INSIDE EDGE OF SILL, AND SECURE IN ROUGH OPENING ACROSS SILL AND TURN UP JAMBS - MINIMUM 6". COVER HORIZONTAL SILL BY ALIGNING FLEXIBLE FLASHING EDGE WITH SILL INSIDE EDGE.
- C. REMOVE SECOND PIECE OF RELEASE PAPER.



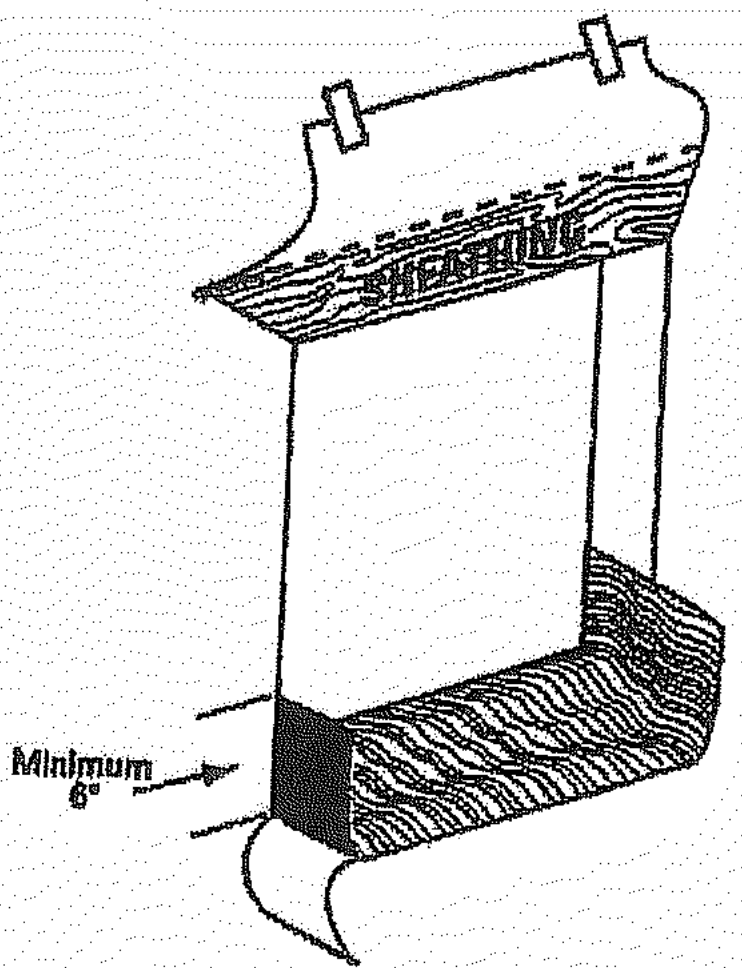
STEP 8

- A. FAN FLEXIBLE FLASHING ONTO WALL FACE AT BOTTOM CORNERS.
- B. PRESS SILL FLASHING FIRMLY TO ENSURE FULL ADHESION.
- C. FANNED EDGES TO BE SECURED WITH MECHANICAL FASTENERS.



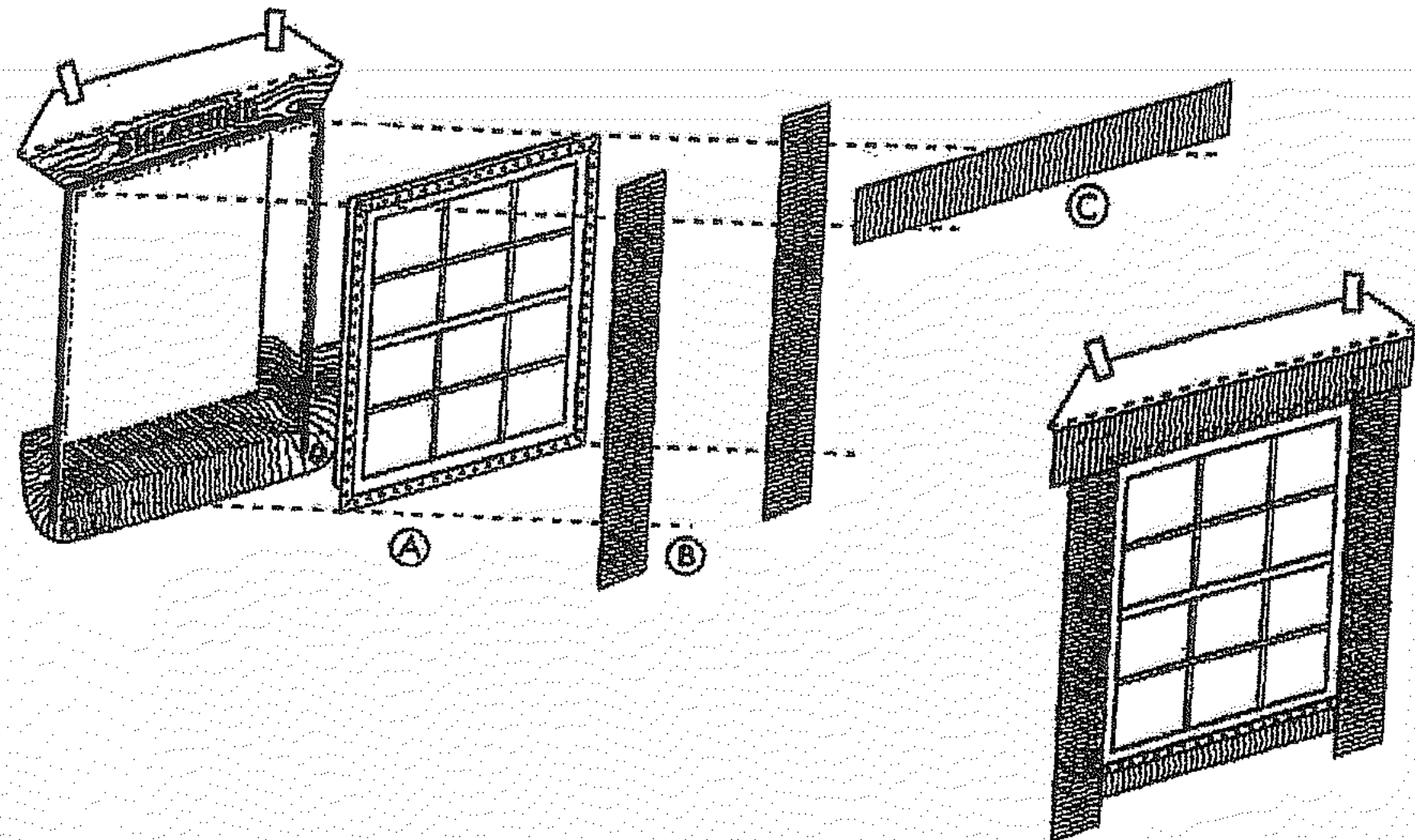
STEP 9

- A. AT WALL OR BACK SIDE OF WINDOW MOUNTING FLANGE, APPLY A CONTINUOUS BEAD OF CAULK ACROSS JAMBS AND HEAD - BOTTOM SILL FLANGE TO REMAIN UNCAULKED.
- B. CAULK NOT TO BE APPLIED TO BOTTOM SILL FLANGE.



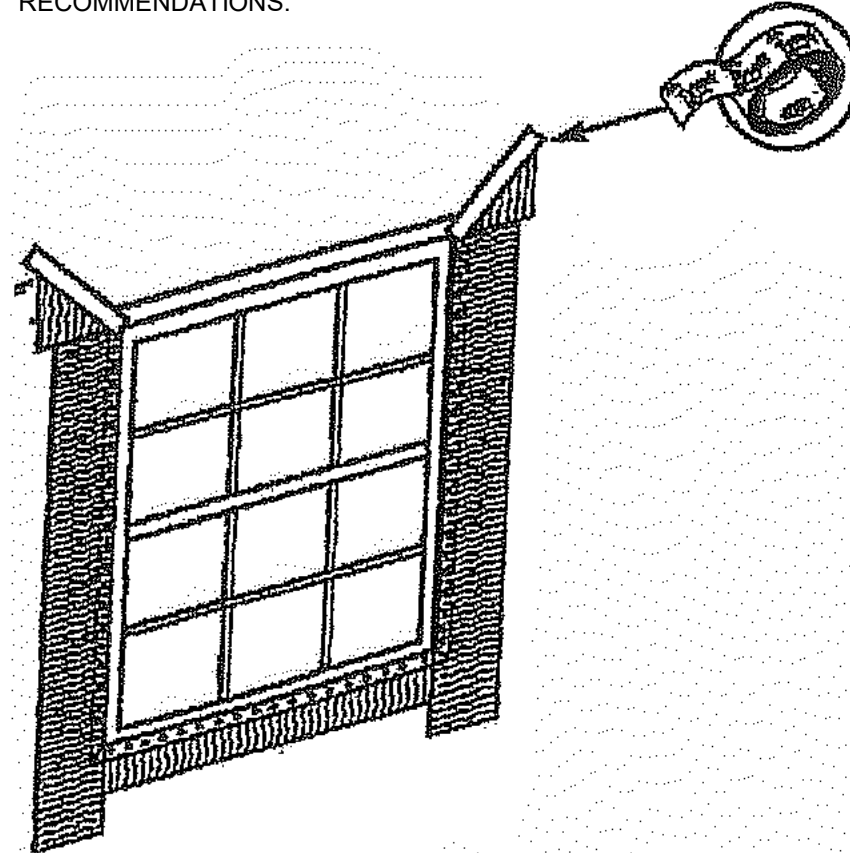
STEP 10

- A. INSTALL WINDOW/DOOR PER MANUFACTURER'S INSTRUCTIONS. (IMAGE A)
- B. CUT TWO PIECES OF FLASHING OR FLEXIBLE FLASHING FOR JAMB FLASHING TO EXTEND 1" ABOVE WINDOW HEAD FLANGE AND BELOW BOTTOM EDGE OF SILL FLASHING. REMOVE RELEASE PAPER AND TIGHTLY PRESS ALONG SIDES OF WINDOW FRAME. (IMAGE B)
- C. CUT A PIECE OF FLASHING OR FLEXIBLE FLASHING FOR HEAD FLASHING, TO EXTEND BEYOND OUTER EDGES OF JAMB FLASHING. REMOVE RELEASE PAPER AND INSTALL COMPLETELY COVERING MOUNTING FLANGE AND ADHERING TO EXPOSED SHEATHING OR FRAMING MEMBERS. (IMAGE C)



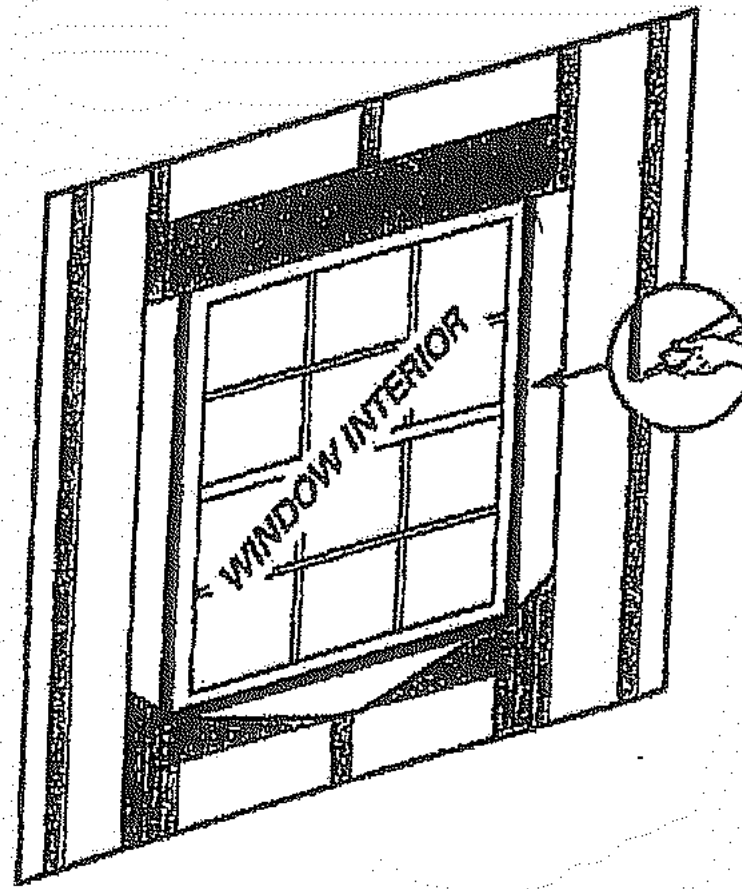
STEP 11

- A. FLIP DOWN WEATHER-RESISTIVE BARRIER UPPER FLAP SO THAT IT LAYS FLAT ACROSS HEAD FLASHING.
- B. TAPE ALONG ALL CUTS IN WEATHER-RESISTIVE BARRIER AND ACROSS WINDOW HEAD WITH APPROVED TAPE PER MANUFACTURER'S RECOMMENDATIONS.



STEP 12

CAULK (BACKER ROD, AS NECESSARY) AT REAR OF WINDOW/DOOR FRAME TO SEAL INSIDE OF ROUGH OPENING ACROSS BOTTOM AND A MINIMUM 12" TURN UP AT SIDES TO FORM A BACK DAM. IN ORDER TO AIR SEAL AROUND WINDOW OPENING, COMPLETELY CAULK AROUND BACK EDGE OF WINDOW PERIMETER.



PRINTS ISSUED

11/01/2023 - CITY SUBMITTAL

REVISIONS:

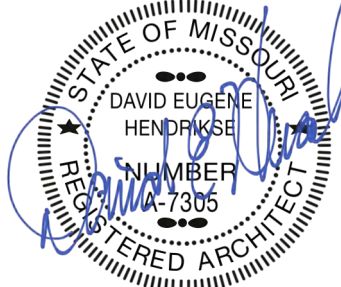
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TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE

GENERAL INFORMATION

PROJECT NUMBER: 23098

SHEET NUMBER:


G-004

THIS SHEET IS PROVIDED
FOR REFERENCE ONLY.
ALL INSTALLATION TO BE
PER MANUFACTURER
RECOMMENDATION

Apply ZIP System tape after all ZIP System wall sheathing panels are fully fastened to wall-framing members. Only ZIP System tape should be used to seal the seams of ZIP System panels. Ensure that the panel surface is dry and free of sawdust and dirt prior to taping. **ZIP System tape is a contact tape that requires pressure for an adequate seal.**

Step 1. Tape all seams using ZIP System tape. Ensure that the tape is centered over the seam within +/- 1/2" to provide adequate coverage and that wrinkles in tape are minimal.

Use the ZIP System tape gun or roller to apply pressure to the tape and smooth out any wrinkles.

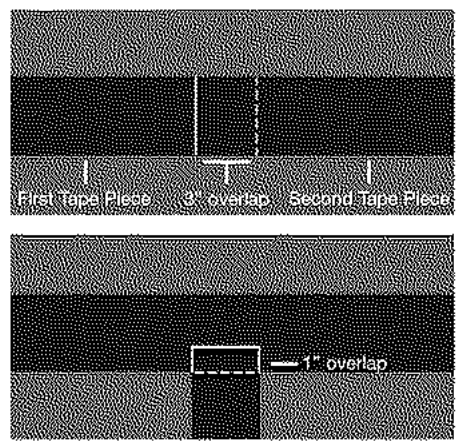


Step 2. Wherever tape splices occur at a horizontal or vertical seam, create an overlapping splice of at least 3".

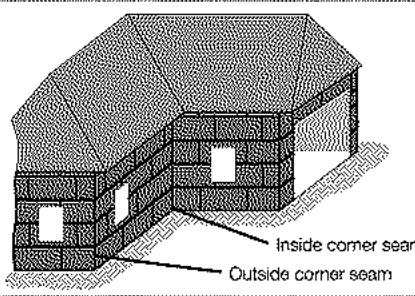
At T-joints, the tape pieces should overlap by at least 1". Apply moderate pressure onto the surface of the tape to ensure a secure bond between the panel and the tape.

Use the ZIP System tape gun or roller to apply pressure to the tape and smooth out any wrinkles.

Take special care to remove any voids and/or trapped air at splice areas and T-joints.



Step 3. Tape inside and outside corner seams.



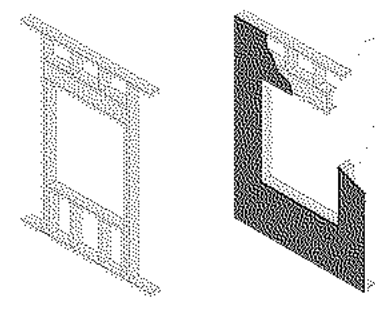
Flanged Windows

1. Fasten the ZIP System wall sheathing sheathing to the wood frame and install ZIP System tape to all wall panel seams, as de-tailed in sections 02 and 03.

5. Cut a length of ZIP System tape or another adhesive-backed flashing tape (must meet ICC-ES Acceptance Criteria for Flashing Materials (AC148)) and apply to the header, ensuring that the flashing overlaps the jamb flashings.*

Once the tape is in place, use the tape gun or roller to seal the flashing to the sheathing.

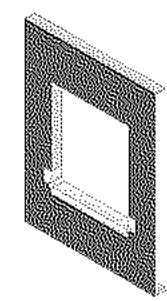
*DO NOT tape bottom flange.



2. ZIP System tape may be used as pan flashing if installed in accordance with flanged window installation details posted on zipsystem.com. Other adhesive-based flashing tapes (must meet ICC-ES Acceptance Criteria for Flashing Materials (AC148)) may be used as pan flashing if installed per ASTM 2112-07. Apply the flashing to cover the bottom of the opening, overhanging onto the sheathing by at least 2" and extending a minimum of 6" up each jamb.

6. From the interior, apply low-pressure polyurethane foam (for windows) between the rough opening and the window frame. (Caulk sealant compatible with the sill flashing may be used at the sill if the opening between the sill flashing and window is too narrow to allow the use of low-pressure polyurethane foam.)

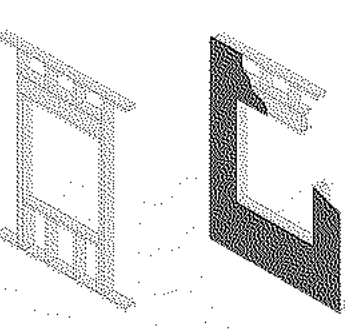
When using ZIP System tape, butyl, silicone or polyurethane sealants are acceptable. Do not use latex sealants with ZIP System tape. If using another flashing tape, follow the flashing manufacturer's recommendation in selecting a sealant compatible with that flashing.



Brick Mould Windows

1. Fasten the ZIP System wall sheathing sheathing to the wood frame and install ZIP System tape to all wall panel seams, as de-tailed in sections 02 and 03.

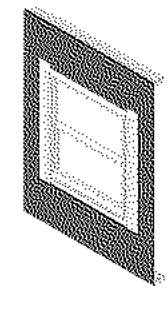
2. If recommended by the window manufacturer, cut a strip of wood to function as a back dam at the sill. The wood strip should have a length equal to the width of the rough opening and a height and width of at least 1/2". Position the block at the inside edge of the window frame.



3. Apply sealant around inside face of mounting flange. Sealant must be gapped at the sill to permit drainage. Install and level window per manufacturer's installation instructions. Verify sealant compatibility with window manufacturer. When using ZIP System tape as pan flashing, butyl, silicone or polyurethane sealants are acceptable. Do not use latex sealants.

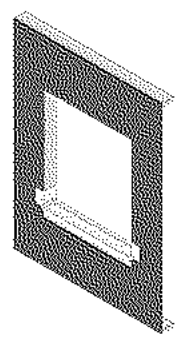
4. Cut two pieces of ZIP System tape or another adhesive-backed flashing tape (must meet ICC-ES Acceptance Criteria for Flashing Materials (AC148)) and apply to each of the window jamb flashings, ensuring the jamb flashings overlap the sill flashing.

Once the tape is in place, use the tape gun or roller to seal the flashing to the sheathing.

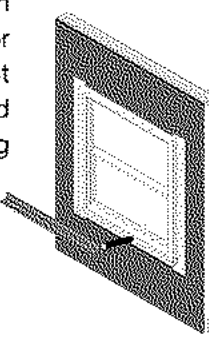


Brick Mould Windows (continued)

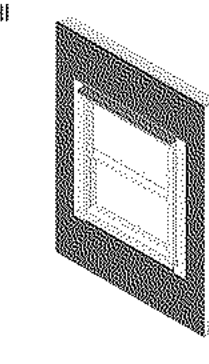
3. ZIP System tape may be used as pan flashing if installed in accordance with brick mould window installation details posted on zipsystem.com. Other adhesive-based flashing tapes (must meet ICC-ES Acceptance Criteria for Flashing Materials (AC148)) may be used as pan flashing if installed per ASTM 2112-07. Apply the flashing to cover the bottom of the opening, overhanging onto the sheathing by at least 2" and extending a minimum of 6" up each jamb.



7. Cut a piece of rigid head flashing so that when installed, it is flush with the edges of the exterior moulding of the window. Apply a bead of sealant to the back and bottom surface of the rigid head flashing. Use sealant recommended by the flashing manufacturer.

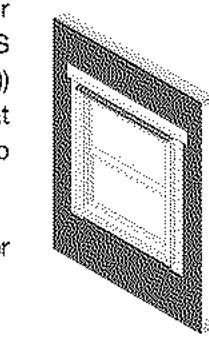


8. Secure the rigid head flashing to ZIP System wall sheathing.



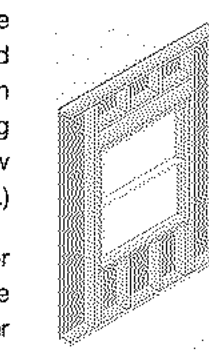
9. Cut a length of ZIP System tape or another adhesive-backed flashing tape (must meet ICC-ES Acceptance Criteria for Flashing Materials (AC148)) and apply to the rigid head flashing, ensuring that the adhesive-backed flashing overlaps the jamb flashings.

Once the tape is in place, use the tape gun or roller to seal the flashing to the sheathing.



10. From the interior, apply low-pressure polyurethane foam (for windows) between the rough opening and the window frame. (Caulk sealant compatible with the sill flashing may be used at the sill if the opening between the sill flashing and window is too narrow to allow the use of low-pressure polyurethane foam.)

When using ZIP System tape, butyl, silicone or polyurethane sealants are acceptable. Do not use latex sealants with ZIP System tape. If using another flashing tape, follow the flashing manufacturer's recommendation in selecting a sealant compatible with that flashing.



6. Install and level window per manufacturer's installation instructions.



WALL ASSEMBLY
ZIP SYSTEM® WALL SHEATHING
WOOD OR LT. GA. METAL STUDS

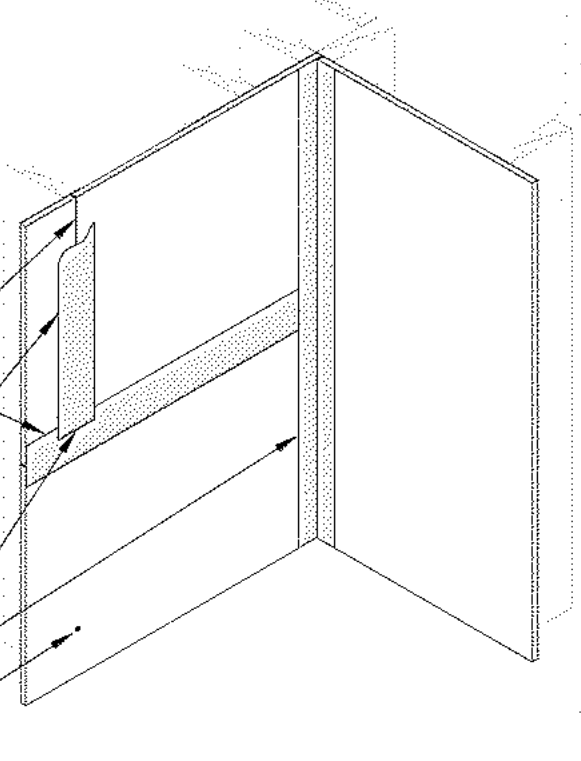
1/8-INCH GAP RECOMMENDED AT PANEL EDGES UNLESS OTHERWISE PROVIDED BY MACHINED PROFILED EDGES

ZIP SYSTEM® TAPE (INSTALLED OVER ALL JOINTS IN ZIP SYSTEM® WALL SHEATHING)

OVERLAP TAPE A MINIMUM OF 1-INCH AT ALL T-JOINTS

INSTALL ZIP SYSTEM® TAPE AT ALL INTERIOR CORNERS

FASTEN ZIP SYSTEM® WALL SHEATHING AS REQUIRED BY DESIGNER-OF-RECORD OR LOCAL BUILDING CODE



WALL ASSEMBLY
ZIP SYSTEM® WALL SHEATHING
WOOD OR LT. GA. METAL STUDS

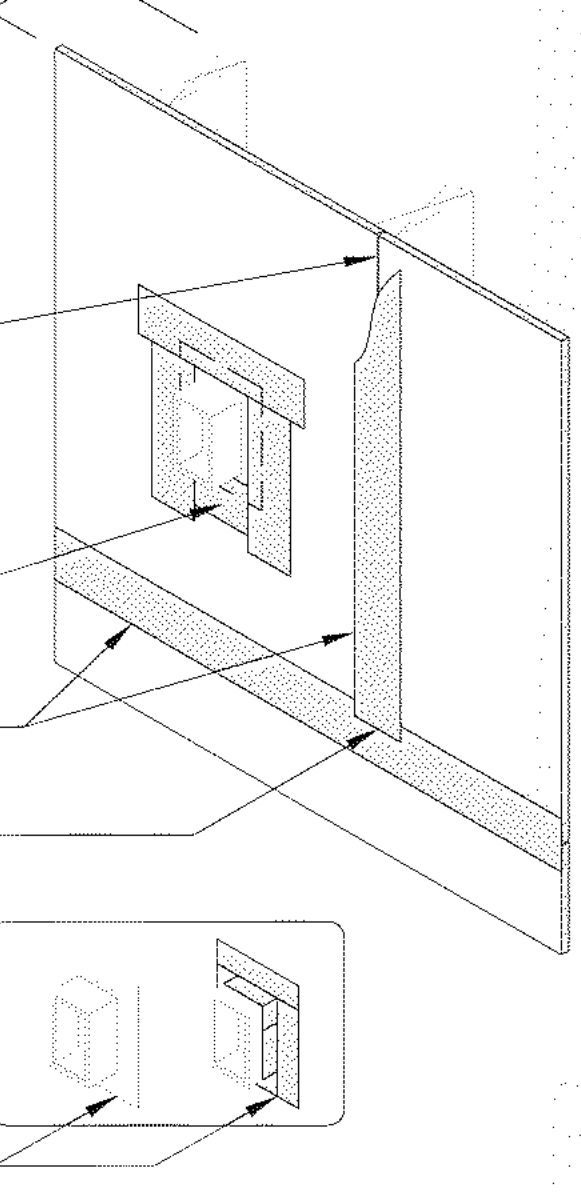
1/8-INCH GAP RECOMMENDED AT PANEL EDGES UNLESS OTHERWISE PROVIDED BY MACHINED PROFILED EDGES

INSTALL ZIP SYSTEM® TAPE OR ADHESIVE BACKED FLASHING (MUST MEET AC148) IN SEQUENCE FROM BOTTOM SIDES, THEN TOP TO ENSURE SHINGLE LAP OF ADHESIVE BACKED FLASHING

ZIP SYSTEM® TAPE (INSTALLED OVER ALL JOINTS IN ZIP SYSTEM® WALL SHEATHING)

OVERLAP TAPE A MINIMUM OF 1-INCH AT ALL T-JOINTS

USE FLANGED ELECTRICAL BOXES OR MEMBRANE FLASHING TO PROVIDE FLANGES FOR ELECTRICAL BOXES



WALL ASSEMBLY
VINYLWOOD® FIBER CEMENT SIDING
(INSTALLED IN ACCORDANCE WITH CLADDING MANUFACTURER'S INSTALLATION RECOMMENDATIONS)
ZIP SYSTEM® WALL SHEATHING
WOOD OR LT. GA. METAL STUDS

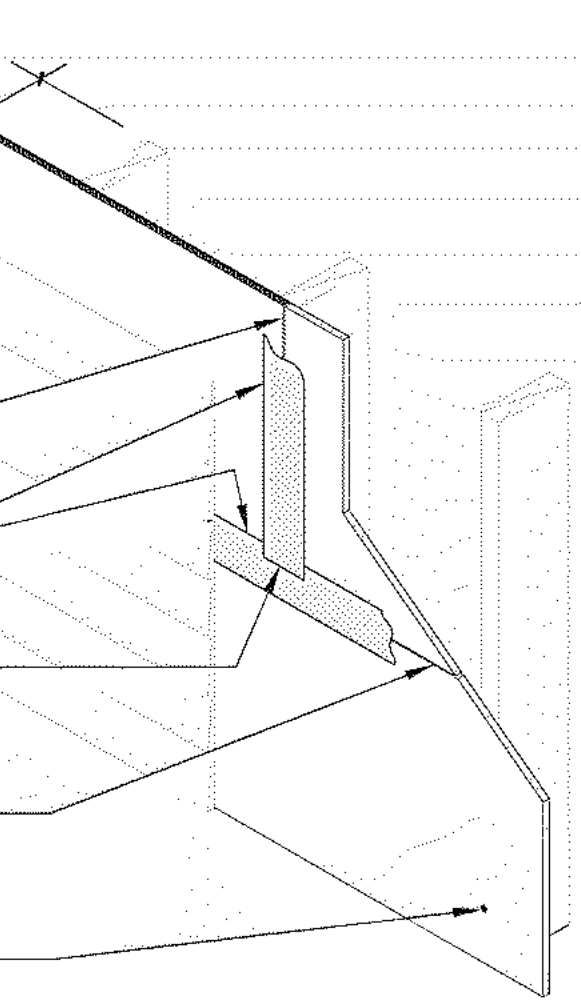
1/8-INCH GAP RECOMMENDED AT PANEL EDGES UNLESS OTHERWISE PROVIDED BY MACHINED PROFILED EDGES

ZIP SYSTEM® TAPE (INSTALLED OVER ALL JOINTS IN ZIP SYSTEM® WALL SHEATHING)

OVERLAP TAPE A MINIMUM OF 1-INCH AT ALL T-JOINTS

1/8-INCH GAP RECOMMENDED AT PANEL EDGES UNLESS OTHERWISE PROVIDED BY MACHINED PROFILED EDGES

FASTEN ZIP SYSTEM® WALL SHEATHING AS REQUIRED BY DESIGNER-OF-RECORD OR LOCAL BUILDING CODE



WALL ASSEMBLY
ZIP SYSTEM® WALL SHEATHING
WOOD OR LT. GA. METAL STUDS

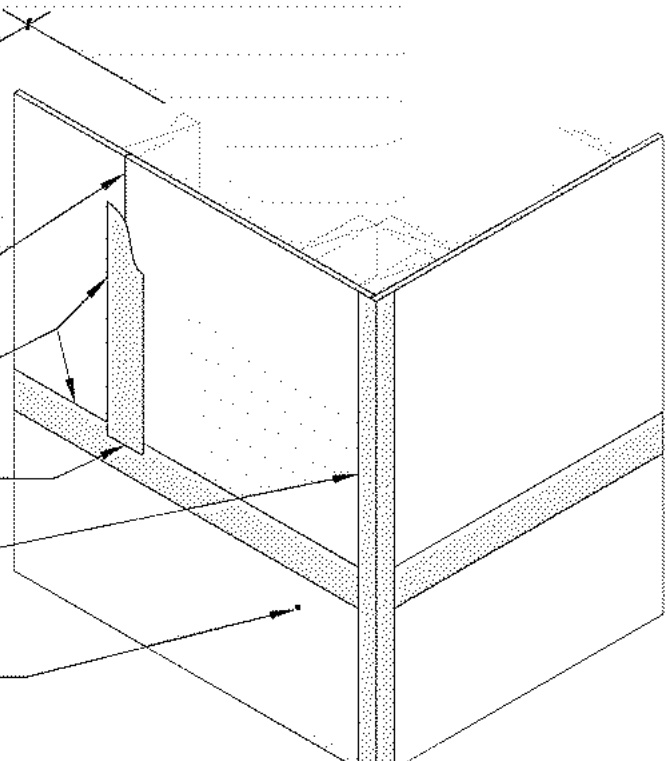
1/8-INCH GAP RECOMMENDED AT PANEL EDGES UNLESS OTHERWISE PROVIDED BY MACHINED PROFILED EDGES

ZIP SYSTEM® TAPE (INSTALLED OVER ALL JOINTS IN ZIP SYSTEM® WALL SHEATHING)

OVERLAP TAPE A MINIMUM OF 1-INCH AT ALL T-JOINTS

INSTALL ZIP SYSTEM® TAPE AT ALL EXTERIOR CORNERS

FASTEN ZIP SYSTEM® WALL SHEATHING AS REQUIRED BY DESIGNER-OF-RECORD OR LOCAL BUILDING CODE



WALL ASSEMBLY
ZIP SYSTEM® WALL SHEATHING
WOOD OR LT. GA. METAL STUDS

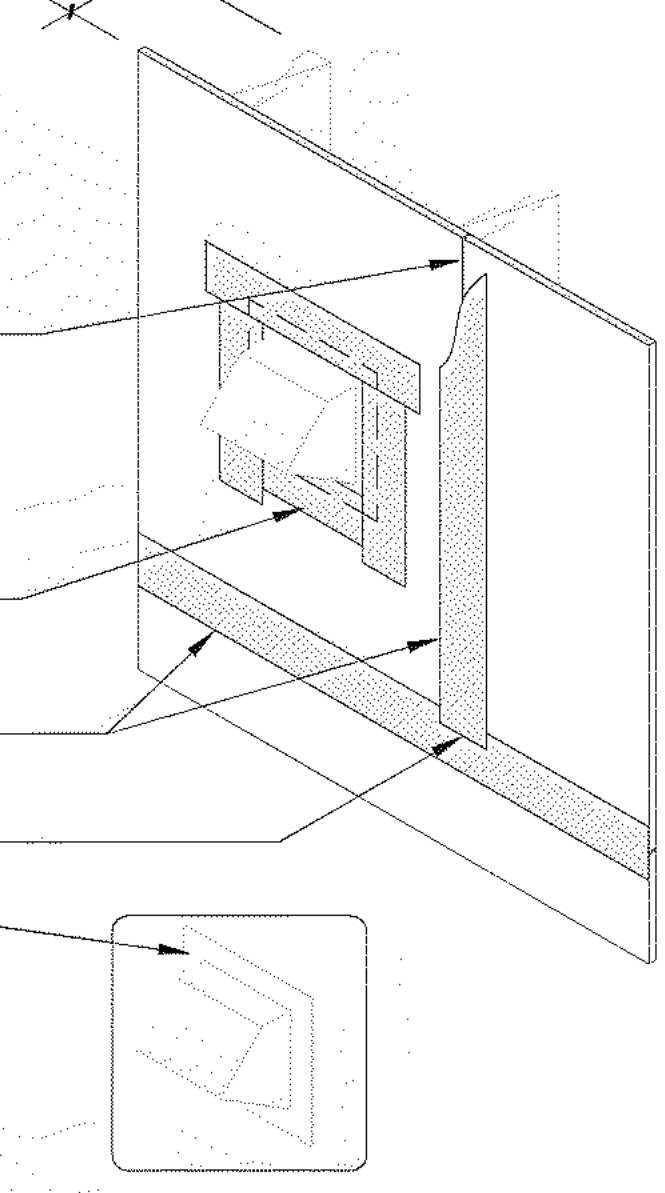
1/8-INCH GAP RECOMMENDED AT PANEL EDGES UNLESS OTHERWISE PROVIDED BY MACHINED PROFILED EDGES

INSTALL ZIP SYSTEM® TAPE OR ADHESIVE BACKED FLASHING (MUST MEET AC148) IN SEQUENCE FROM BOTTOM SIDES, THEN TOP TO ENSURE SHINGLE LAP OF ADHESIVE BACKED FLASHING

ZIP SYSTEM® TAPE (INSTALLED OVER ALL JOINTS IN ZIP SYSTEM® WALL SHEATHING)

OVERLAP TAPE A MINIMUM OF 1-INCH AT ALL T-JOINTS

USE FLANGED VENT HOODS



WALL ASSEMBLY
BRICK VENEER
AIR SPACE (AS PRESCRIBED BY LOCAL BUILDING CODE)
ZIP SYSTEM® WALL SHEATHING
WOOD OR LT. GA. METAL STUDS

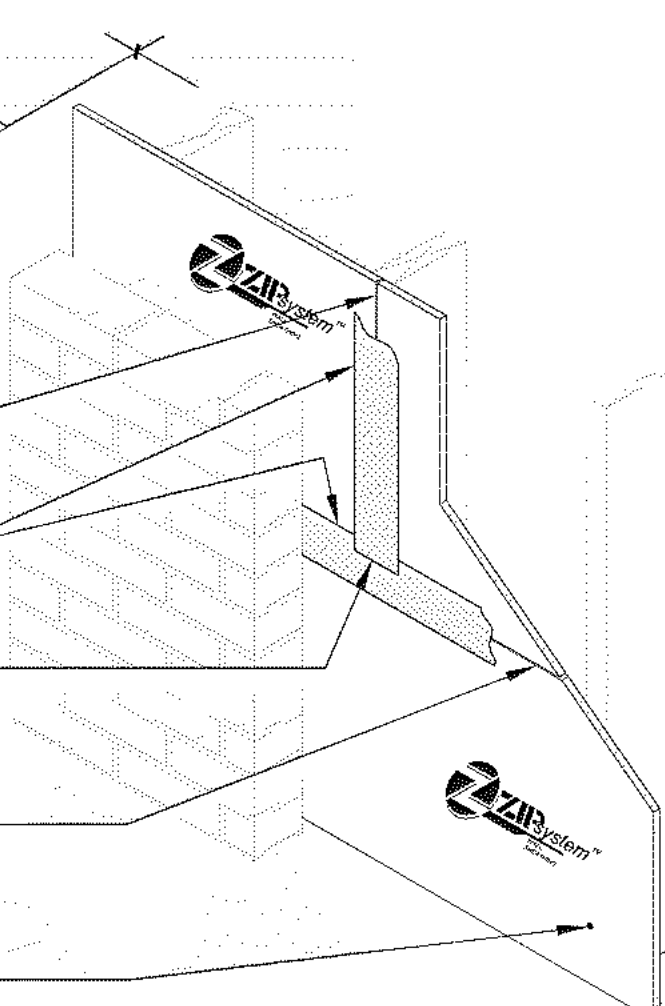
1/8-INCH GAP RECOMMENDED AT PANEL EDGES UNLESS OTHERWISE PROVIDED BY MACHINED PROFILED EDGES

ZIP SYSTEM® TAPE (INSTALLED OVER ALL JOINTS IN ZIP SYSTEM® WALL SHEATHING)

OVERLAP TAPE A MINIMUM OF 1-INCH AT ALL T-JOINTS

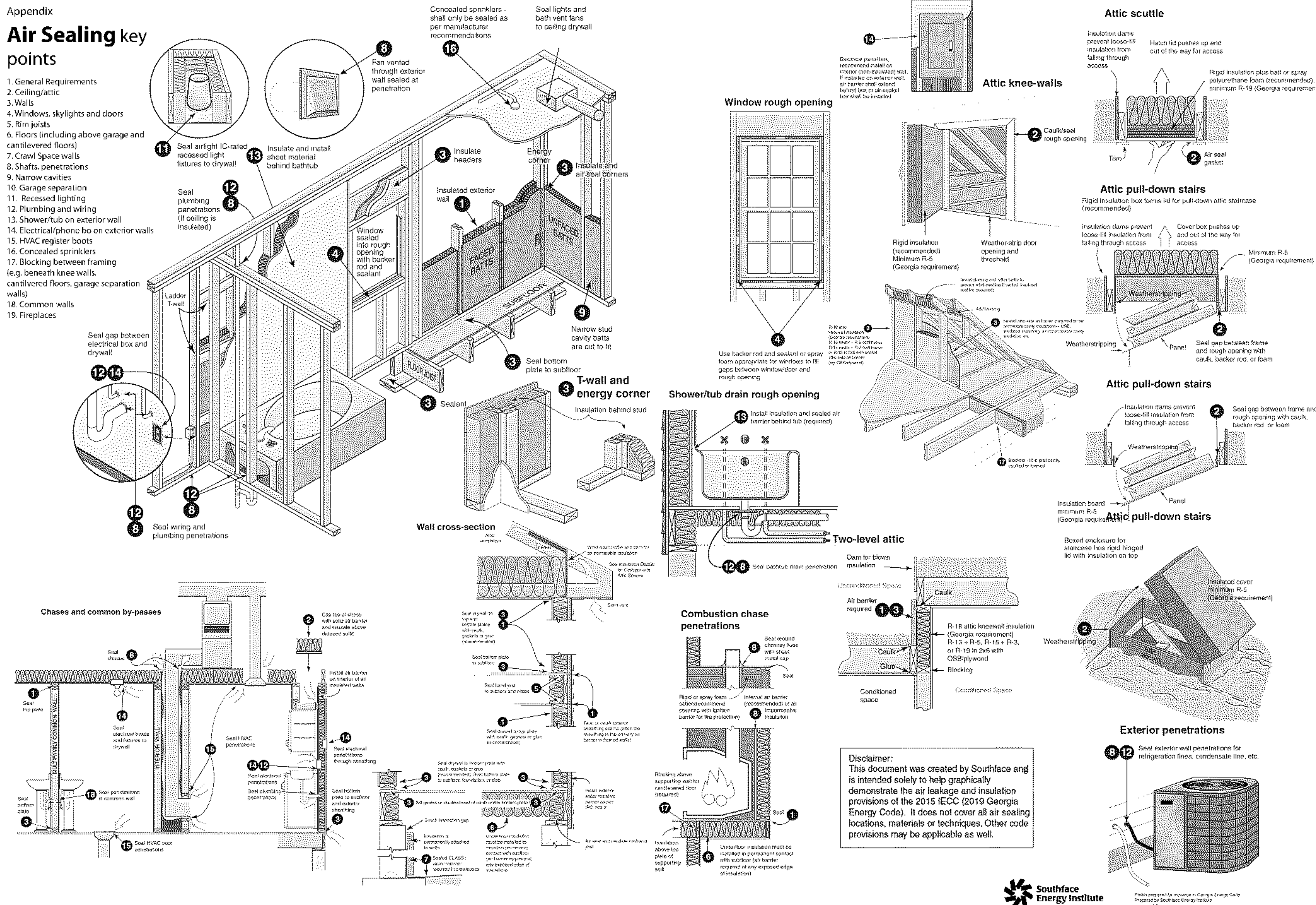
1/8-INCH GAP RECOMMENDED AT PANEL EDGES UNLESS OTHERWISE PROVIDED BY MACHINED PROFILED EDGES

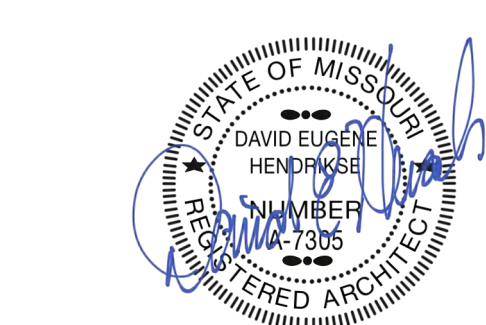
FASTEN ZIP SYSTEM® WALL SHEATHING AS REQUIRED BY DESIGNER-OF-RECORD OR LOCAL BUILDING CODE



Air Sealing key points

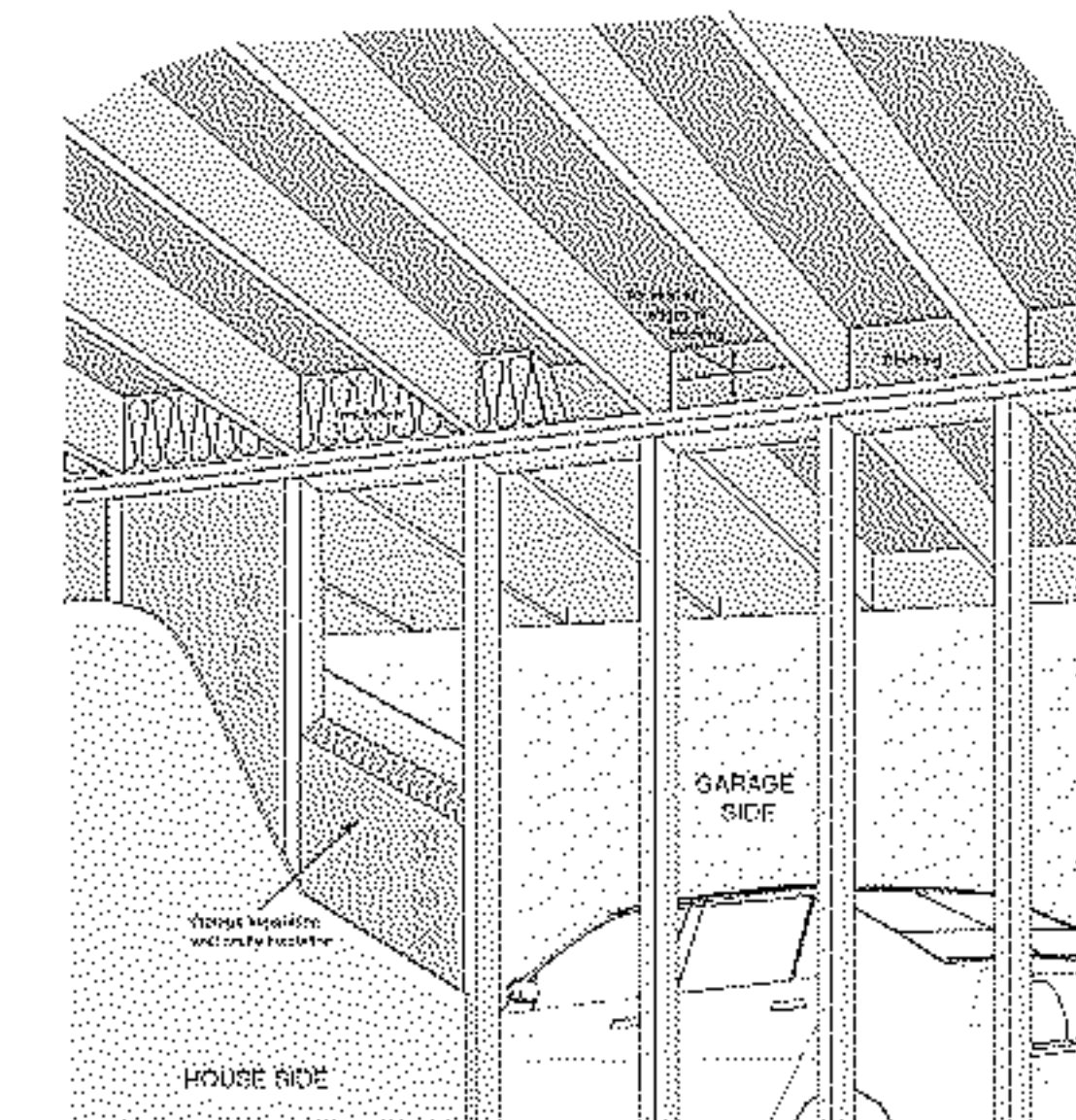
1. General Requirements
2. Ceiling/attic
3. Walls
4. Windows, skylights and doors
5. Rim joists
6. Floors (including above garage and cantilevered floors)
7. Crawl Space walls
8. Shafts, penetrations
9. Narrow cavities
10. Garage separation
11. Recessed lighting
12. Plumbing and wiring
13. Shower/tub on exterior wall
14. Electrical/phone bo on exterior walls
15. HVAC register boots
16. Concealed sprinklers (e.g. beneath knee walls, cantilevered floors, garage separation walls)
18. Common walls
19. Fireplaces





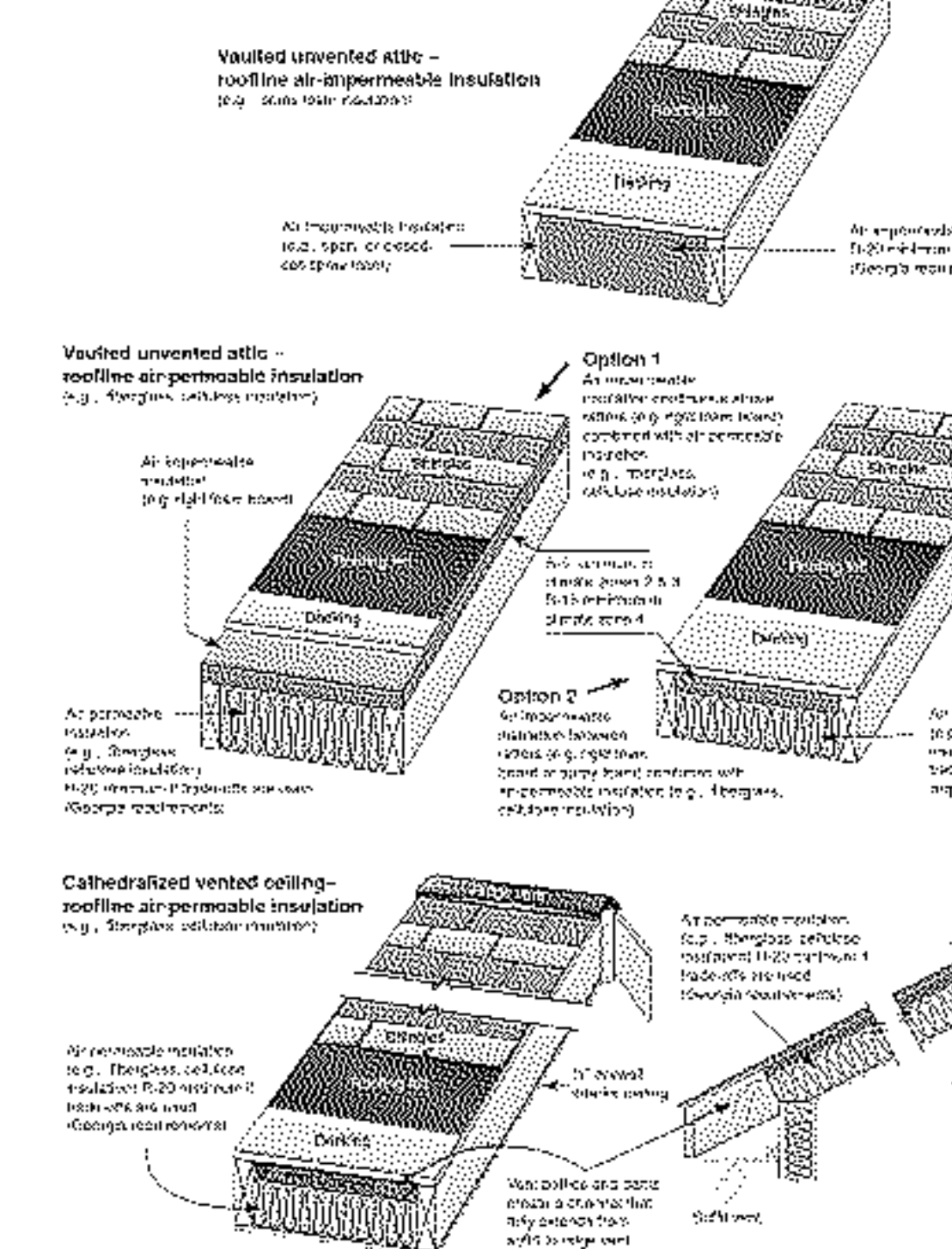
Garage blocking and sealing key points

Blocking, air sealing and detailing required above garage separation wall.



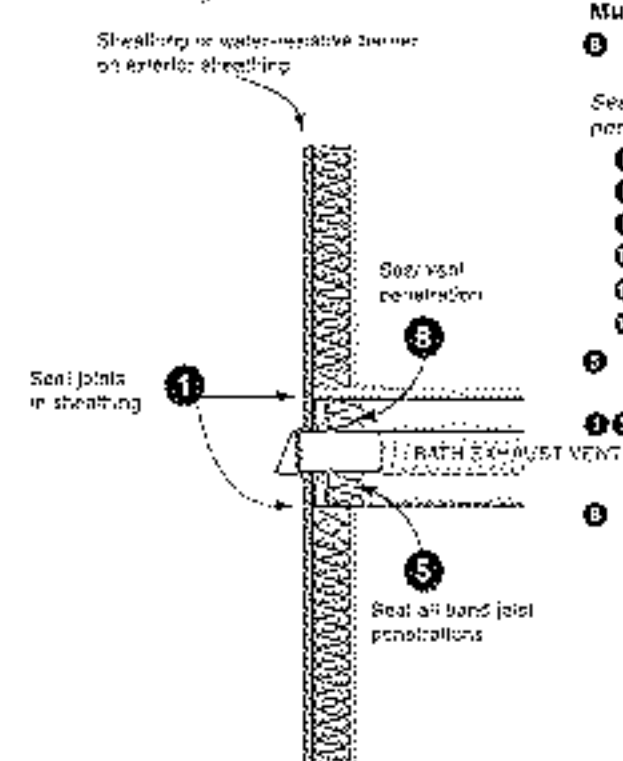
Roofline Installed Insulation Options

Reference: GEM 402.1.1 and 402.1.6 in the Georgia Energy Code amendments to the 2015 IRC and Section 603.5 in the 2015 IRC amendments to the Georgia Amendments to the 2015 IRC.

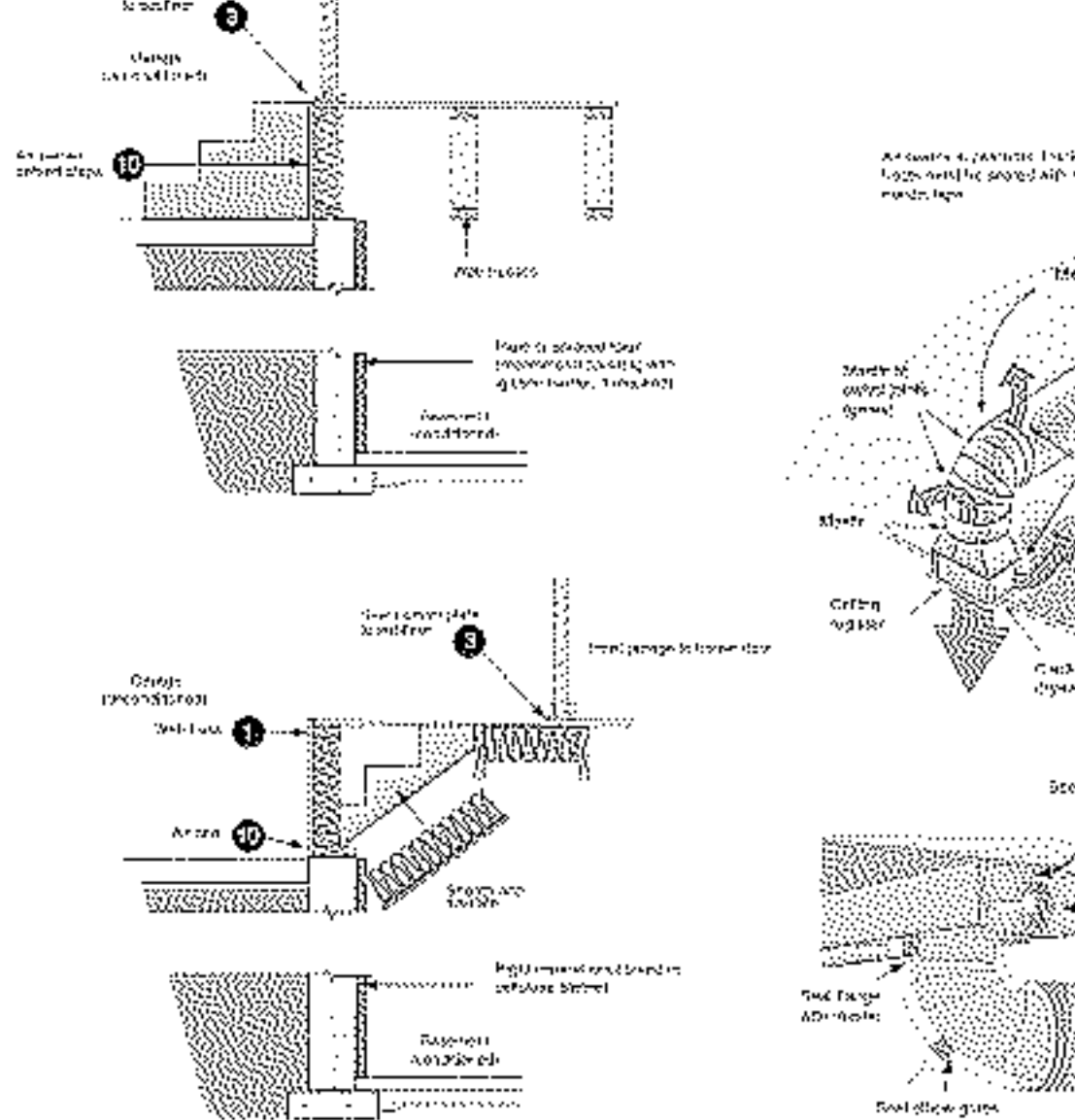


Air sealing key points continued

Multifamily

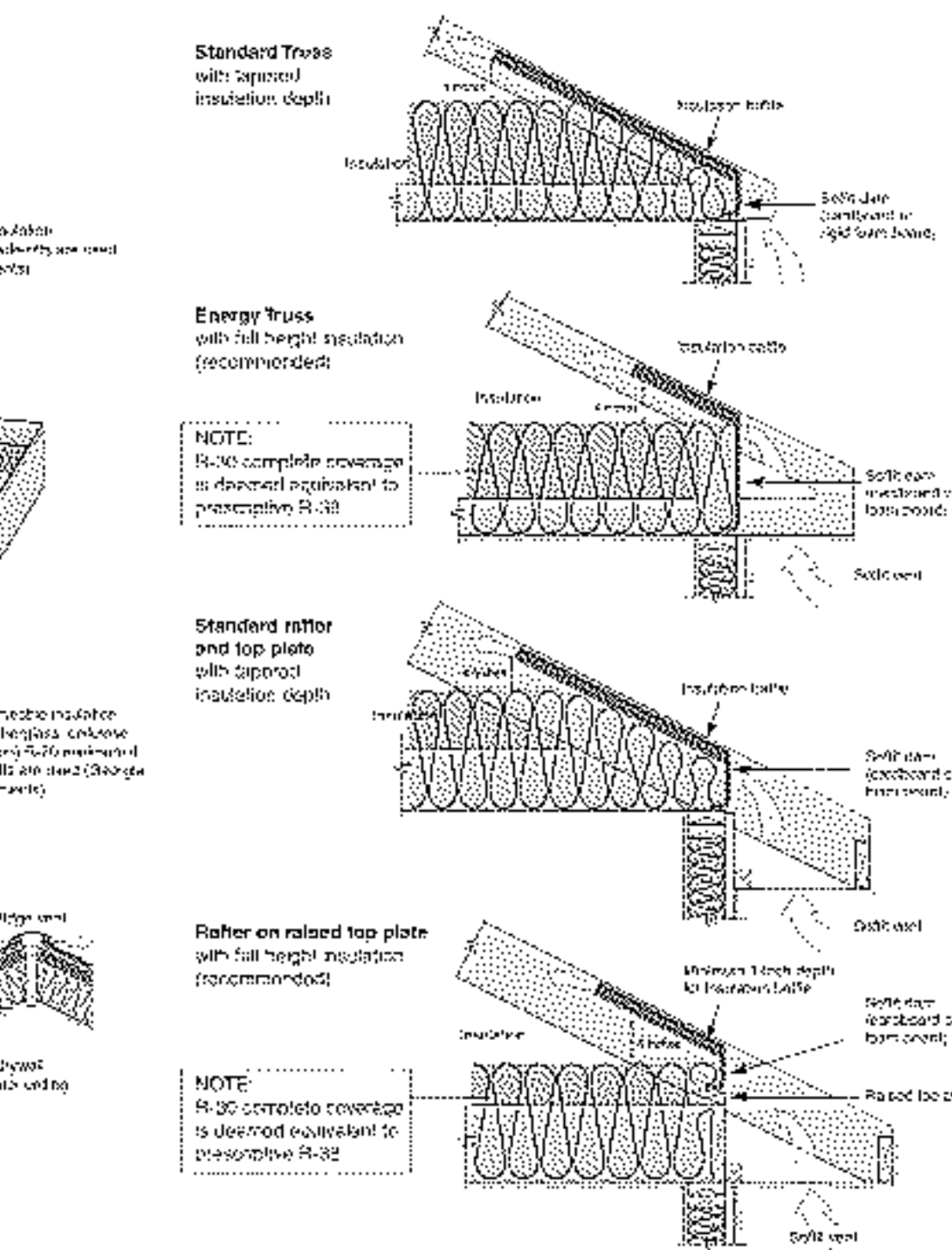


Duct Sealing key points



Insulation Details for Ceilings with Attic spaces

Rafter and Truss



Georgia Insulation Installation - Passing Grade Details

Wall and ceiling insulation that makes up portions of the building thermal envelope shall be installed to Passing Grade quality. Two criteria affect installed insulation grading: **voids/gaps** (in which no insulation is present in a portion of the overall insulated surface) and **compression/incomplete fill** (in which the insulation does not fully fill out or extend to the desired depth).

Voids/Gaps

- Voids or gaps in the insulation are minimal for Passing Grade (< 2% of overall component surface area).
- Voids or gaps in the insulation are minimal for Passing Grade (< 2% of overall component surface area).

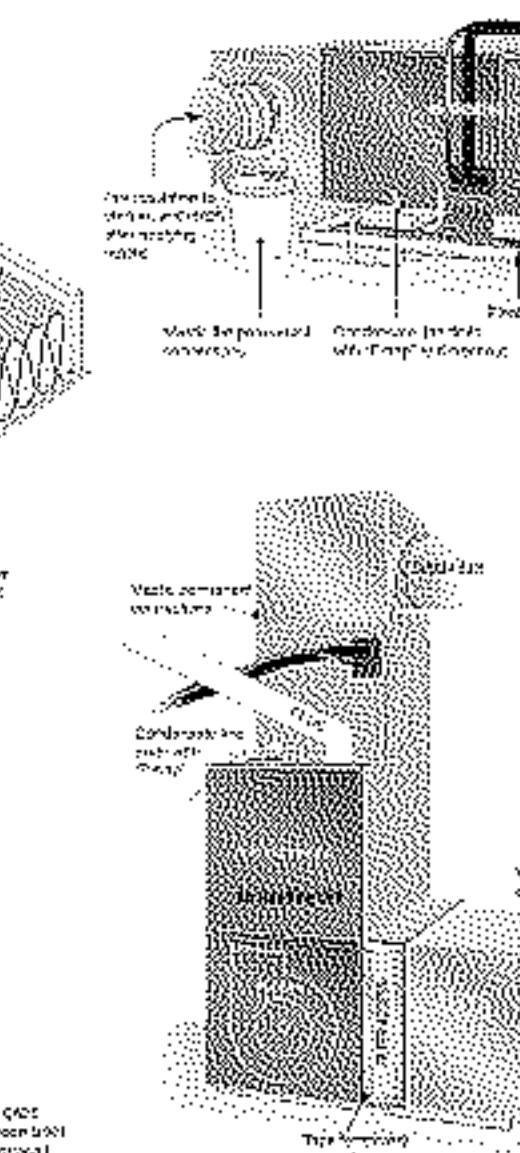
Compression/Incomplete Fill

- Compression/incomplete fill for both air permeable insulation (e.g., fiberglass, cellulose) and air impermeable insulation (e.g., spray polyurethane foam) must be less than 1 inch in depth or less than 30% of the intended depth, whichever is more stringent. The allowable area of compression/incomplete fill must be less than 2% of the overall insulated surface to achieve a Passing Grade.
- Any compression/incomplete fill with a depth greater than the above specifications (up to 1" or 30% of the intended depth, whichever is more stringent) shall not achieve a Passing Grade.

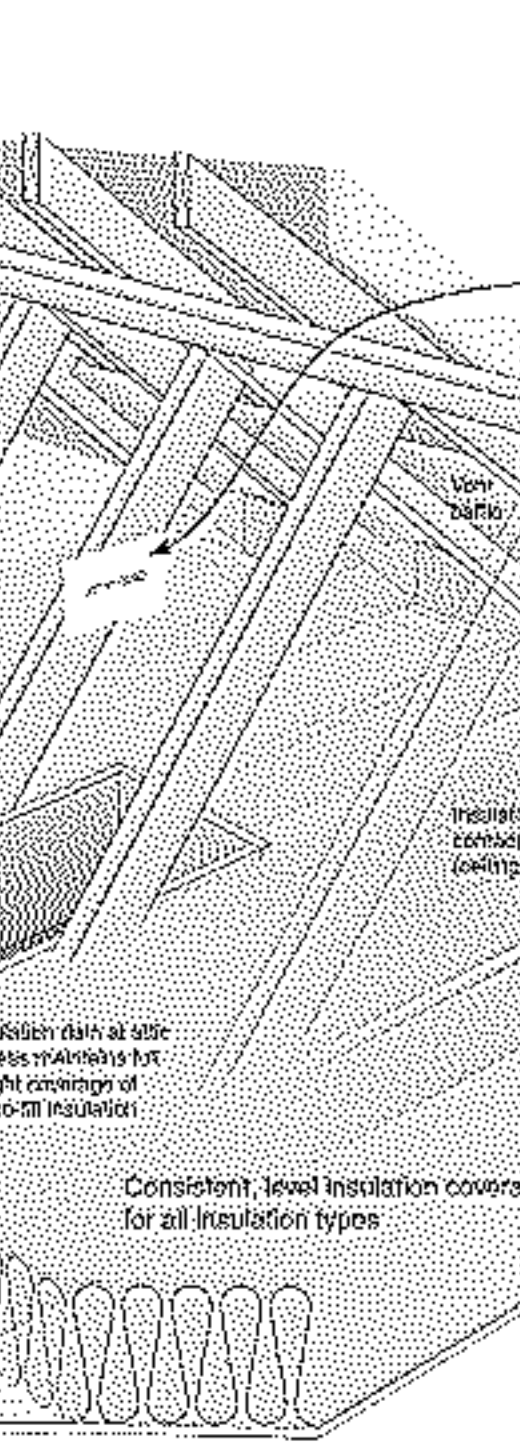
Additional Wall Insulation Requirements

- All vertical air permeable insulation shall be installed in substantial contact with an air barrier on all six (6) sides.
- Exception: Unfinished basements, rimband joint cavity insulation and fireplaces (insulation shall be restrained to stay in place).
- For unfinished basements, air permeable insulation and associated framing in a framed cavity wall shall be installed less than 1/4" from the basement wall surface.
- Attic knee wall details - Attic knee walls shall be insulated to a total R-value of at least R-18 through any combination of cavity and continuous insulation. Air permeable insulation shall be installed with a fully sealed attic-side air barrier (e.g., OSB with seams caulked, rigid insulation with joints taped, etc.). Attic knee walls with an impermeable insulation shall not require an additional attic-side air barrier.

Air Handler Sealing key points



Ceiling Insulation key points



Underfloor Insulation

Underfloor insulation that makes up portions of the building thermal envelope shall be installed to Passing Grade quality. Two criteria affect installed insulation grading: **voids/gaps** (in which no insulation is present in a portion of the overall insulated surface) and **compression/incomplete fill** (in which the insulation does not fully fill out or extend to the desired depth).

Voids/Gaps

- Voids or gaps in the insulation are minimal for Passing Grade (< 2% of overall component surface area).
- Voids or gaps in the insulation are minimal for Passing Grade (< 2% of overall component surface area).

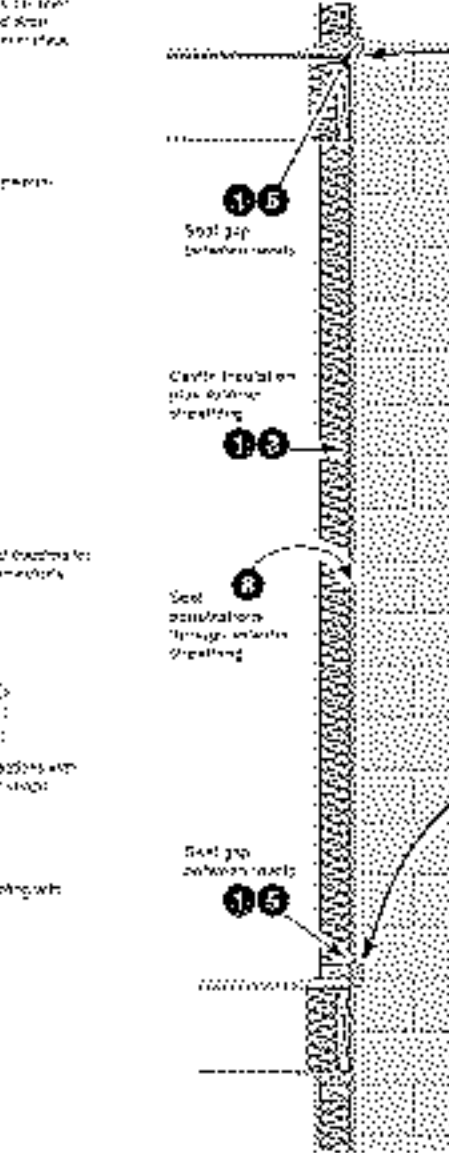
Compression/Incomplete Fill

- Compression/incomplete fill for both air permeable insulation (e.g., fiberglass, cellulose) and air impermeable insulation (e.g., spray polyurethane foam) must be less than 1 inch in depth or less than 30% of the intended depth, whichever is more stringent. The allowable area of compression/incomplete fill must be less than 10% of the overall insulated surface to achieve a Passing Grade.
- Any compression/incomplete fill with a depth greater than the above specifications (up to 1" or 30% of the intended depth, whichever is more stringent) shall not achieve a Passing Grade.

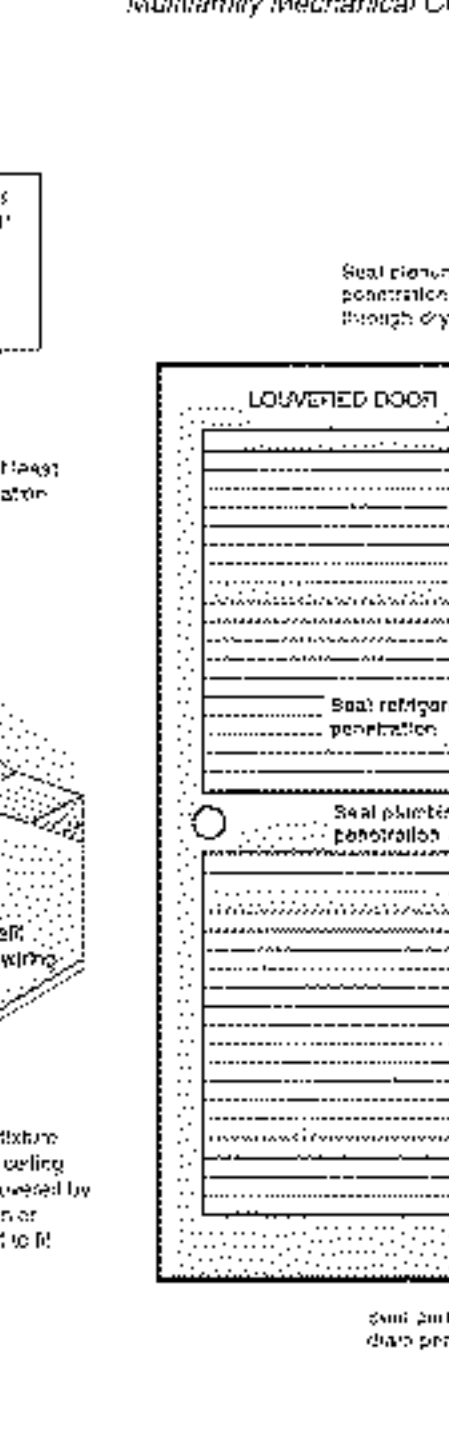
Air-permeable underfloor insulation shall be permanently installed against the subfloor decking. Adequate insulation supports (e.g., wire staples) for air permeable insulation shall be installed at least every 18-24" on center. The floor framing-cavity insulation shall be permitted to be in contact with the topside of sheathing or continuous insulation installed on the bottom side of floor framing where combined with insulation that meets or exceeds the minimum wood frame wall R-value and that extends from the bottom to the top of all perimeter floor framing members.

Air sealing key points continued

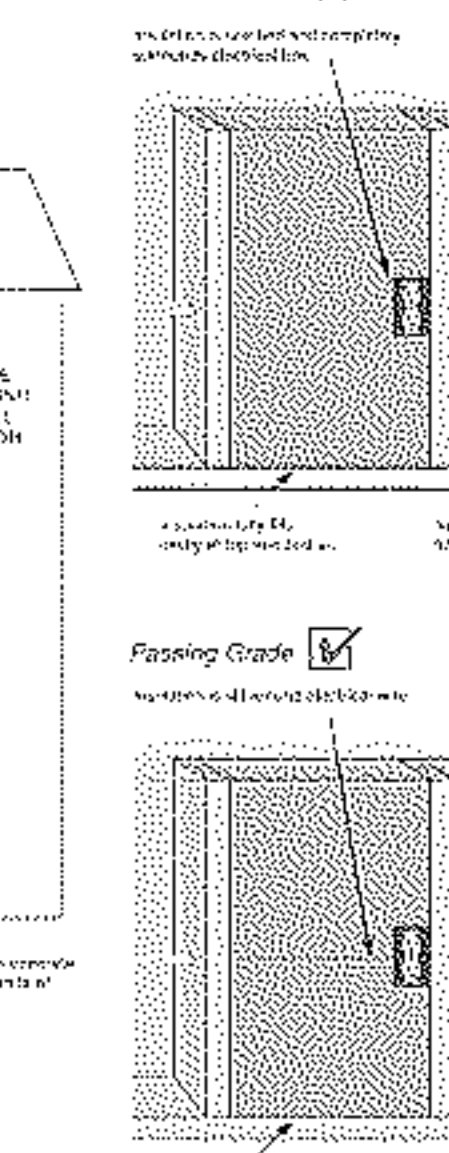
Multifamily Mechanical Closet



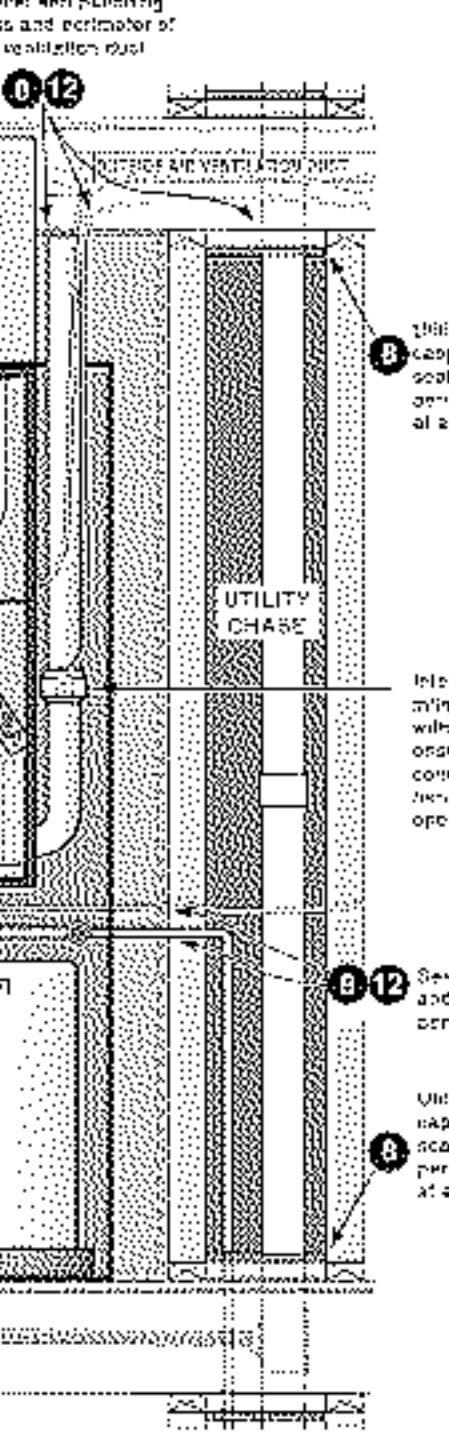
Air sealing key points



Wall Insulation key points



Floor Insulation key points



Points referenced in this document are Georgia Energy Code
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KEYNOTE LEGEND		KEYNOTE LEGEND		KEYNOTE LEGEND		KEYNOTE LEGEND		KEYNOTE LEGEND		KEYNOTE LEGEND	
<div><div></div><div>A1</div></div>	A1 IRON AND IRONING BOARD STORAGE ACCESSORY TO BE LOCATED INSIDE CLOSET; REFER TO ENLARGED DETAIL FOR MORE INFO.	<div><div></div><div>A82</div></div>	A82 REFER TO INTERIOR SIGNAGE SPECIFICATIONS FOR SIGN INFO.	<div><div></div><div>E1</div></div>	E1 GANG OUTLETS & SWITCHES AT THE LOCATION @ HEIGHT SHOWN. SEE TYPICAL GUESTROOM OUTLET HEIGHT IN G-300s.	<div><div></div><div>E54</div></div>	E54 DOUBLE SWITCH TO CONTROL RANGE HOOD/LIGHT AND FAN, RE: ELEC.	<div><div></div><div>E120</div></div>	E120 MUSIC SYSTEMS IN HUB/LOBBY, VESTIBULE AND PORTE COCHERE. LOCATE EQUIPMENT IN LOOKED AREA, RE: ELEC.	<div><div></div><div>ID1</div></div>	ID1 TEXTURED WALL COATING IS THE REQUIRED FINISH FOR EXTERIOR GUESTROOM WALLS.
<div><div></div><div>A2</div></div>	A2 LOCATE SHADE PULSATS OPPOSITE SIDE OF PTAC UNIT	<div><div></div><div>A84</div></div>	A84 PROVIDE METAL EDGE TRIM TO PROVIDE REVEAL BETWEEN DIFFERENT WALL FINISHES. SEE GYPSUM BOARD ASSEMBLIES IN THE PUBLIC SPACE BPM.	<div><div></div><div>E2</div></div>	E2 WALL OUTLETS SHALL NOT OCCUR IN SAME VERTICAL CAVITY OF ADJACENT GUESTROOMS, TYPICAL.	<div><div></div><div>E55</div></div>	E55 DOUBLE SWITCH TO CONTROL UNDERCABINET LIGHTS AND DISPOSAL, RE: ELEC.	<div><div></div><div>E121</div></div>	E121 ELECTRICAL OUTLETS FOR CARDIO EQUIPMENT INDICATE TO BE MOUNTED HORIZONTALLY IN LOOKED AREA, RE: ELEC.	<div><div></div><div>ID2</div></div>	ID2 ALL EXTERIOR CORNERS SHALL HAVE FULL HEIGHT CORNER GUARDS.
<div><div></div><div>A3</div></div>	A3 FALSE PANEL WITH ACCESS TO ELECTRICAL BEHIND	<div><div></div><div>A85</div></div>	A85 DOOR TO BE PAINTED TO MATCH WALL AT THIS LOCATION.	<div><div></div><div>E3</div></div>	E3 6X6 CEILING EXHAUST GRILLE, RE: MECH.	<div><div></div><div>E56</div></div>	E56 PROVIDE POWER/DATA OUTLET, RE: ELEC.	<div><div></div><div>E122</div></div>	E122 ELECTRICAL OUTLETS FOR RADIO EQUIPMENT INDICATE TO BE MOUNTED HORIZONTALLY IN SILL OF STOREFRONT. COORDINATE FACEPLATES FINISH WITH ADJACENT FINISH. ALTERNATELY, INDICATE FLOOR OUTLETS AS REED AND PROVIDE IN-SLAB.	<div><div></div><div>ID3</div></div>	ID3 REFER TO INTERIOR DESIGN SPECIFICATION MANUAL WINDOW TREATMENT SPECIFICATIONS AND ELEVATIONS FOR ROLLER SHADE INFORMATION
<div><div></div><div>A4</div></div>	A4 HOLD 4" SPACE BETWEEN SIDE OF REFRIGERATOR AND WALL TO ALLOW DOOR TO OPEN GREATER THAN 90 DEGREES FOR THE REMOVAL OF VEGETABLE DRAWER	<div><div></div><div>A86</div></div>	A86 ELEVATOR CALL BUTTONS, RE: SPEC.	<div><div></div><div>E4</div></div>	E4 MASTER DEVICE OR LIGHT SWITCH WITH SIGNAGE TO CONTROL ALL HARDWIRED LIGHTS IN GUESTROOM, WITH EXCEPTION OF BATHROOM. PROVIDE SEPARATE SWITCHES FOR UPPER CABINET, UNDER SHELF, UNDER CABINET AND DECORATIVE WALL SCONES. INTERFACE THE MASTER DEVICE WITH THE GUESTROOM MANAGEMENT SYSTEM (GRMS), SEE ELEC. & SPEC.	<div><div></div><div>E57</div></div>	E57 PROVIDE POWER/USB OUTLET, RE: ELEC.	<div><div></div><div>E123</div></div>	E123 PROVIDE ISOLATED GROUND RECEPTACLES FOR ALL PRINTER, COMPUTERS AND MONITORS, RE: ELEC.	<div><div></div><div>ID4</div></div>	ID4 METAL TRIM ALONG TOP EDGE OF TILE WAINSCOT, MARK NUMBER INDICATED ON ELEVATION.
<div><div></div><div>A5</div></div>	A5 PROVIDE HINGE STOP AT TOP HINGE AT BATHROOM DOORS. REFER TO SPEC FOR GUESTROOM DOOR HARDWARE.	<div><div></div><div>A87</div></div>	A87 PROVIDE BLOCKING AS REQUIRED FOR TOWNEMAP. COORDINATE TOWNEMAP SIZE AND STANDOFF LOCATIONS.	<div><div></div><div>E5</div></div>	E5 OUTLETS FOR TV, CABLE AND POWER FOR TV TO BE MOUNTED IN OPENING OF WALL MOUNTED TV PANEL. SEE DETAILS SHEET 552 OR B552 FOR TV OPENING DETAIL.	<div><div></div><div>E58</div></div>	E58 POWER AND DATA RECEPTACLES LOCATED BELOW WITHIN CABINET, RE: ELEC. PROVIDE GROMMET IN COUNTERTOP FOR ACCESS.	<div><div></div><div>E124</div></div>	E124 PROVIDE DEDICATED OUTLET FOR ALL EQUIPMENT, RE: ELEC.	<div><div></div><div>ID5</div></div>	ID5 CENTER ARTWORK ON WALL OR AS SHOWN
<div><div></div><div>A6</div></div>	A6 OVERALL KITCHEN CABINET LENGTH TO BE ORDERED TO FIT WALL INCLUDING FILLERS ON BOTH ENDS. ALLOW FOR APPROXIMATELY 1" TO 1-1/2" OF SPACE ON BOTH ENDS FOR RECESSED FILLERS. REFER TO DETAILS 7 & 8/550	<div><div></div><div>A88</div></div>	A88 REFER TO SPEC. & PRODUCT MANUAL FOR GLAZING AT FLEX WINDOW BETWEEN BARN DOOR SLIDERS.	<div><div></div><div>E6</div></div>	E6 PTAC FOR TYPICAL GUEST ROOM HVAC. SEE DETAILS ON 222 OR B222 FOR PTAC AND WALL SLEEVE INFORMATION.	<div><div></div><div>E59</div></div>	E59 PROVIDE TELEPHONE JACK AT NIGHTSTAND CLOSEST TO ENTRY DOOR IN THE BEDROOM OF 1-BEDROOM SUITES, RE: ELEC.	<div><div></div><div>E125</div></div>	E125 LOCATE INTERCOM AT WELCOME DESK RECEPTION AREA.	<div><div></div><div>ID6</div></div>	ID6 WHERE REQUIRED FOR ACCESSIBILITY, PROVIDE MOTORIZED SHADES. REFER TO DRAPERY MANUAL AND ID SPEC MANUAL FOR ADDITIONAL INFORMATION AND POWER REQUIREMENTS.
<div><div></div><div>A7</div></div>	A7 TEXTURED FINISH AND PAINT REQUIRED ON GUESTROOM EXTERIOR WALL.	<div><div></div><div>A89</div></div>	A89 INDICATE OUTLET LOCATION WITHIN WALL CONSTRUCTION TO AVOID OUTLETS OCCURRING IN SAME CAVITY WITHIN PARTITION. SEE DETAIL ON STC DIAGRAM ON G-102.	<div><div></div><div>E7</div></div>	E7 ELECTRIC PANEL, TO BE PAINTED SAME COLOR AS SURROUNDING WALL. INSTALL A CLOSE AS POSSIBLE TO THE ENTRY DOOR WALL.	<div><div></div><div>E60</div></div>	E60 PROVIDE STANDARD LINEAR LIGHT FIXTURE, SEE DWG MARK NUMBER FOR LOCATION. PROVIDE CONTINUOUS BAND OF LIGHT TO ILLUMINATE BOTTOM OF SOFFIT.	<div><div></div><div>E126</div></div>	E126 DOOR SECURED WITH CARD READER, RE: SPEC. CALL BUTTON AND CARD READER IN VIEW OF DESK.	<div><div></div><div>ID7</div></div>	ID7 CLOSET CEILING PAINT TO MATCH THE WALL PAINT WITHIN THE CLOSET. REFER TO THE ENLARGED DETAILS FOR INFORMATION.
<div><div></div><div>A8</div></div>	A8 BLOCKING IN WALL FOR ALL CASEWORK, KITCHEN CABINETS, HEADBOARD, TV AND TV TRIM, SHOE CUBBY, MIRROR, CLOSET SYSTEM, FIXTURES, TOWEL BAR/LADDER, GRAB BARS AND ACCESSORIES. COORDINATE LOCATION WITH MANUFACTURERS INSTALLATION REQUIREMENTS.	<div><div></div><div>A90</div></div>	A90 REFER TO SPEC. & PRODUCT MANUAL FOR GLAZING AT FLEX WINDOW BETWEEN BARN DOOR SLIDERS.	<div><div></div><div>E8</div></div>	E8 UNDERCABINET LIGHT FIXTURES ARE BUILT INTO THE CASEWORK AND PROVIDED BY MILLWORK MANUFACTURER. PROVIDE JBOX OR OUTLET OVERHANG DAMAGE, RE: LA.	<div><div></div><div>E61</div></div>	E61 QUANTITY AND EXACT LOCATION OF SPEAKERS TO BE RECOMMENDED BY THE BGM COMPANY. EXHAUST FAN FLUSH MOUNTED IN CEILING, TYPICAL ALL PUBLIC RESTROOMS.	<div><div></div><div>E127</div></div>	E127 LOCATE DURESS ALARM AT EACH WELCOME DESK.	<div><div></div><div>ID8</div></div>	ID8 CENTER WALL MOUNTED LIGHTED FIXTURES ON THE ELEVATOR DOORS.
<div><div></div><div>A9</div></div>	A9 INDICATE OUTLET LOCATION WITHIN WALL CONSTRUCTION TO AVOID OUTLETS OCCURRING IN SAME CAVITY WITHIN PARTITION. SEE DETAIL ON STC DIAGRAM ON G-102.	<div><div></div><div>A91</div></div>	A91 LAUNDRY STORAGE WALL ENCLOSURE OPTIONAL; RELOCATE EYEWASH ACCORDINGLY.	<div><div></div><div>E9</div></div>	E9 THERMOSTAT. LOCATE THERMOSTAT WITH INTEGRAL OCCUPANCY SENSOR FACING SLEEPING AREA. COORDINATE WITH THE GUESTROOM MANAGEMENT SYSTEM (GRMS). SEE TYPICAL GUESTROOM OUTLET HEIGHT DETAILS ON G-300s AND ROOM ELEVATION FOR ADDITIONAL INFORMATION.	<div><div></div><div>E62</div></div>	E62 COORDINATE MECHANICAL GRILLE LOCATIONS WITH LOCATION OF ALL ELECTRICAL ITEMS.	<div><div></div><div>E128</div></div>	E128 LOCATE INTERCOM AT WELCOME DESK RECEPTION AREA.	<div><div></div><div>ID9</div></div>	ID9 CENTER WALL MOUNTED LIGHTED FIXTURES ON THE ELEVATOR DOORS.
<div><div></div><div>A10</div></div>	A10 PROVIDE BLOCKING IN CEILING/WALL FOR SHADE MOUNT, TOP OF SHADE MOUNT ABUTTS CEILING WHERE CEILING IS 8'-0" & 9'-0". COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.	<div><div></div><div>A92</div></div>	A92 EMPLOYEE LOCKERS (4), TWO TIERED - PROVIDE AT LEAST ONE ACCESSIBLE LOCKER (5%) WITH A SHELF BETWEEN 15" & 48" A.F.F.	<div><div></div><div>E10</div></div>	E10 DOORBELL SWITCH, LIGHT, AND DISCONNECT SWITCH TO BE PROVIDED AT HEARING IMPAIRED AND ACCESSIBLE GUESTROOMS. SEE DETAIL SHEET 553 OR B553.	<div><div></div><div>E63</div></div>	E63 COORDINATE MECHANICAL GRILLE LOCATIONS WITH LOCATION OF ALL ELECTRICAL ITEMS.	<div><div></div><div>E129</div></div>	E129 LOCATE DURESS ALARM AT EACH WELCOME DESK.	<div><div></div><div>ID10</div></div>	ID10 SEE SPECIFIC AREA ENLARGED PLANS AND ELEVATIONS FOR INFORMATION ON FINISHES AND FF&E ITEMS.
<div><div></div><div>A11</div></div>	A11 PROVIDE BLOCKING IN WALL FOR ALL FIXTURES, GRAB BARS AND ACCESSORIES. COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.	<div><div></div><div>A93</div></div>	A93 FOLDING COUNTER WITH BACKSPLASH, SEE DETAIL 3 ON SHEET 502.	<div><div></div><div>E11</div></div>	E11 DUPLEX OUTLET FOR MICROWAVE. SEE KITCHEN ELEVATION SHEETS FOR LOCATION.	<div><div></div><div>E64</div></div>	E64 COORDINATE MECHANICAL GRILLE LOCATIONS WITH LOCATION OF ALL ELECTRICAL ITEMS.	<div><div></div><div>E130</div></div>	E130 PROVIDE ISOLATED GROUND RECEPTACLES FOR ALL PRINTER, COMPUTERS AND MONITORS, RE: ELEC.	<div><div></div><div>ID11</div></div>	ID11 SEE SPECIFIC AREA ENLARGED PLANS AND ELEVATIONS FOR INFORMATION ON FINISHES AND FF&E ITEMS.
<div><div></div><div>A12</div></div>	A12 PROVIDE BLOCKING IN WALL FOR ALL FIXTURES, GRAB BARS AND ACCESSORIES. COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.	<div><div></div><div>A94</div></div>	A94 HANGING BAR, RE: SPEC.	<div><div></div><div>E12</div></div>	E12 DUPLEX OUTLET FOR DISHWASHER. SEE KITCHEN ELEVATION SHEETS FOR LOCATION.	<div><div></div><div>E65</div></div>	E65 AIR DEVICES PER MECHANICAL DRAWINGS. PROVIDE 2X2 LAY IN DEVICES IN GRID CEILING AND LINEAR DEVICES IN DRYWALL.	<div><div></div><div>E131</div></div>	E131 PROVIDE CONDUIT BACK TO COMPUTER/COMMUNICATIONS FOR ALL SYSTEMS.	<div><div></div><div>ID12</div></div>	ID12 REFER TO A-700s FOR FLOOR TRANSITION DETAILS.
<div><div></div><div>A13</div></div>	A13 PROVIDE MTL WALL TRANSITION STRIP PER THE GUESTROOM BPM. AT BOTH ENDS OF THE SHOWER SURROUND. SEE DWGS FOR FINISH TAG.	<div><div></div><div>A95</div></div>	A95 12" THICKENED SLAB WITH TROUGH - TRENCH DRAIN W/ GRATE TO BE COORDINATED WITH EXTRACTOR REQUIREMENTS.	<div><div></div><div>E13</div></div>	E13 MIRROR & OVERHEAD LIGHT TO BE SWITCHED TOGETHER. PROVIDE JBOX FOR MIRROR, TO BE CENTERED BEHIND MIRROR. SHOWER LIGHT TO BE SWITCHED SEPARATELY, RE: ELEC. REFER TO SHEET G-300s FOR TYPICAL MOUNTING HEIGHTS UNLESS OTHERWISE NOTED.	<div><div></div><div>E66</div></div>	E66 LOCATE SPRINKLER HEADS OUTSIDE OF THE CEILING SLAT AREA.	<div><div></div><div>E132</div></div>	E132 COORDINATE LOCATION OF POWER FOR HYDRATION STATION TO BE CONCEALED BY MILLWORK.	<div><div></div><div>ID13</div></div>	ID13 REFER TO INTERIOR SIGNAGE SPECIFICATIONS FOR RESTROOM SIGN DETAILS.
<div><div></div><div>A14</div></div>	A14 EDGE OF FIXED GLASS SHOWER PANEL.	<div><div></div><div>A96</div></div>	A96 REFER TO FOOD SERVICE AND LAUNDRY EQUIPMENT AND STORAGE MATERIALS. SEE SHEET 433 FOR SCHEMATIC EQUIPMENT LAYOUT.	<div><div></div><div>E14</div></div>	E14 MIRROR & OVERHEAD LIGHT TO BE SWITCHED TOGETHER. PROVIDE JBOX FOR MIRROR, TO BE CENTERED BEHIND MIRROR. SHOWER LIGHT TO BE SWITCHED SEPARATELY, RE: ELEC. REFER TO SHEET G-300s FOR TYPICAL MOUNTING HEIGHTS UNLESS OTHERWISE NOTED.	<div><div></div><div>E67</div></div>	E67 LOCATE SPRINKLER HEADS OUTSIDE OF THE CEILING SLAT AREA.	<div><div></div><div>E133</div></div>	E133 COORDINATE LOCATION OF POWER FOR HYDRATION STATION TO BE CONCEALED BY MILLWORK.	<div><div></div><div>ID14</div></div>	ID14 METAL TRIM ALONG TOP EDGE OF TILE WAINSCOT, MARK NUMBER INDICATED ON ELEVATION.
<div><div></div><div>A15</div></div>	A15 PROVIDE BLOCKING IN CEILING AT GLASS PANEL.	<div><div></div><div>A97</div></div>	A97 REFER TO SPEC. & PRODUCT MANUAL FOR GLAZING AT FLEX WINDOW BETWEEN BARN DOOR SLIDERS.	<div><div></div><div>E15</div></div>	E15 MIRROR & OVERHEAD LIGHT TO BE SWITCHED TOGETHER. PROVIDE JBOX FOR MIRROR, TO BE CENTERED BEHIND MIRROR. SHOWER LIGHT TO BE SWITCHED SEPARATELY, RE: ELEC. REFER TO SHEET G-300s FOR TYPICAL MOUNTING HEIGHTS UNLESS OTHERWISE NOTED.	<div><div></div><div>E68</div></div>	E68 ALT1 - CONDITION WHEN LIGHTS REQUIRE EMERGENCY BACKUP LIGHTING. ALT1 FIXTURE MARK NO. IS ALR-030-A1.	<div><div></div><div>E134</div></div>	E134 PROVIDE CONDUIT BACK TO COMPUTER/COMMUNICATIONS FOR ALL SYSTEMS.	<div><div></div><div>ID15</div></div>	ID15 REFER TO A-700s FOR FLOOR TRANSITION DETAILS.
<div><div></div><div>A16</div></div>	A16 FUR GUESTROOM BATHROOM CEILINGS DOWN TO 8'-0" A.F.F. (TYP).	<div><div></div><div>A98</div></div>	A98 REFER TO FOOD SERVICE AND LAUNDRY EQUIPMENT AND STORAGE MATERIALS. SEE SHEET 433 FOR SCHEMATIC EQUIPMENT LAYOUT.	<div><div></div><div>E16</div></div>	E16 LOCATE CLOSET LIGHT ON FACE OF DOOR HEAD FRAME INSIDE CLOSET AND CONNECT TO SURFACES MOUNTED RELAY SWITCH ON DOOR FRAME JAMB. PROVIDE OUTLET ABOVE DOOR FOR POWER TO TRANSFORMER ALSO LOCATED ABOVE DOOR. ALL WIRING TO BE CONCEALED WITHIN WALLS.	<div><div></div><div>E69</div></div>	E69 ALT2 - BLOCK AND PLANK CONSTRUCTION WHERE LIGHT CANNOT BE RECESSED. ALT2 FIXTURE MARK NO. IS ALR-030-A2.	<div><div></div><div>E135</div></div>	E135 COORDINATE PLACEMENT OF ELECTRICAL DEVICES, DIFFUSERS, ACCESS PANELS, SYSTEMS INTERFACE AND INTERIOR GRAPHICS SO AS NOT TO ENCRoACH ON KEY FOCAL ELEMENTS. COORDINATE PLUG HEIGHT WITH EQUIPMENT.	<div><div></div><div>ID16</div></div>	ID16 ALIGN TOP MIRROR X-502 AND COAT HOOK WITH OPTIONAL PANEL X-503 WITH TOP OF DOOR FRAME. IF X-503 IS NOT USED, PROVIDE X-711 HOOKS.
<div><div></div><div>A17</div></div>	A17 GUESTROOM SURFACE MOUNTED SIGNAGE. REFER TO INTERIOR SIGNAGE SPECIFICATIONS FOR INFORMATION.	<div><div></div><div>A99</div></div>	A99 REFER TO SPEC. & PRODUCT MANUAL FOR GLAZING AT FLEX WINDOW BETWEEN BARN DOOR SLIDERS.	<div><div></div><div>E17</div></div>	E17 LOCATE CLOSET LIGHT ON FACE OF DOOR HEAD FRAME INSIDE CLOSET AND CONNECT TO SURFACES MOUNTED RELAY SWITCH ON DOOR FRAME JAMB. PROVIDE OUTLET ABOVE DOOR FOR POWER TO TRANSFORMER ALSO LOCATED ABOVE DOOR. ALL WIRING TO BE CONCEALED WITHIN WALLS.	<div><div></div><div>E70</div></div>	E70 ALT3 - COMPLIANCE WITH ASHRAE 90.1 REQUIRING B-LEVEL LIGHTING CONTROL. REFER TO LIGHT MATRIX FOR MOUNTING HEIGHT. ALT3 FIXTURE MARK NO. IS ALR-030-A3.	<div><div></div><div>E136</div></div>	E136 COORDINATE PLACEMENT OF ELECTRICAL DEVICES, DIFFUSERS, ACCESS PANELS, SYSTEMS INTERFACE AND INTERIOR GRAPHICS SO AS NOT TO ENCRoACH ON KEY FOCAL ELEMENTS. COORDINATE PLUG HEIGHT WITH EQUIPMENT.	<div><div></div><div>ID17</div></div>	ID17 CARPET PAD TO BE INSTALLED ONLY WITH BROADLOOM CARPET OPTIONS.
<div><div></div><div>A18</div></div>	A18 FUR GUESTROOM BATHROOM CEILINGS DOWN TO 8'-0" A.F.F. (TYP).	<div><div></div><div>A100</div></div>	A100 PROVIDE BLOCKING IN CEILING/WALL FOR SHADE MOUNT, TOP OF SHADE MOUNT ABUTTS CEILING WHERE CEILING IS 8'-0" & 9'-0". COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.	<div><div></div><div>E18</div></div>	E18 TWO-TOGGLE SWITCH FOR GARBAGE DISPOSAL, AND UNDERCABINET LIGHT. PROVIDE JBOX(S) FOR MILLWORK LIGHTING, RE: ELEC.	<div><div></div><div>E71</div></div>	E71 AVOID LOCATING LIGHT FIXTURES DIRECTLY ABOVE WASHERS & DRYERS.	<div><div></div><div>E137</div></div>	E137 PROVIDE POWER FOR FOOD PREP EQUIPMENT, RE: ELEC. & FS.	<div><div></div><div>ID18</div></div>	ID18 ALIGN TOP MIRROR X-502 AND COAT HOOK WITH OPTIONAL PANEL X-503 WITH TOP OF DOOR FRAME. IF X-503 IS NOT USED, PROVIDE X-711 HOOKS.
<div><div></div><div>A19</div></div>	A19 GUESTROOM SURFACE MOUNTED SIGNAGE. REFER TO INTERIOR SIGNAGE SPECIFICATIONS FOR INFORMATION.	<div><div></div><div>A101</div></div>	A101 PROVIDE BLOCKING IN CEILING/WALL FOR SHADE MOUNT, TOP OF SHADE MOUNT ABUTTS CEILING WHERE CEILING IS 8'-0" & 9'-0". COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.	<div><div></div><div>E19</div></div>	E19 PROVIDE OUTLET FOR WALL SCONCE AT HEADBOARD WHERE SHOWN IN ELEVATION. SWITCH LOCATED ON LIGHT FIXTURE.	<div><div></div><div>E72</div></div>	E72 CENTER DECORATIVE LIGHT FIXTURE LM-403 OVER BUFFET ISLAND (MILLWORK OR FF&E LM-239) HIGH COUNTER AS SHOWN.	<div><div></div><div>E138</div></div>	E138 COORDINATE LOCATION OF POWER FOR HYDRATION STATION TO BE CONCEALED BY MILLWORK.	<div><div></div><div>ID19</div></div>	ID19 CARPET PAD TO BE INSTALLED ONLY WITH BROADLOOM CARPET OPTIONS.
<div><div></div><div>A20</div></div>	A20 PROVIDE WALL STOPS WHERE REQUIRED. PROVIDE WALL STOP BEHIND GUESTROOM ENTRY DOOR. REFER TO GUESTROOM OR PUBLIC SPACE BPM FOR DOOR HARDWARE.	<div><div></div><div>A102</div></div>	A102 PROVIDE BLOCKING IN CEILING/WALL FOR SHADE MOUNT, TOP OF SHADE MOUNT ABUTTS CEILING WHERE CEILING IS 8'-0" & 9'-0". COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.	<div><div></div><div>E20</div></div>	E20 SWITCH PLATE w/ INCORPORATED NITE LITE BY DECORA SEE BPM.	<div><div></div><div>E73</div></div>	E73 CENTER DECORATIVE LIGHT FIXTURE LM-402 OVER COMMUNITY TABLE AS SHOWN.	<div><div></div><div>E139</div></div>	E139 COORDINATE LOCATION OF POWER FOR HYDRATION STATION TO BE CONCEALED BY MILLWORK.	<div><div></div><div>ID20</div></div>	ID20 LVT UNDERLAYMENT MAY BE NEEDED; COORDINATE WITH LVT OPTIONS IN THE INTERIOR DESIGN SPECIFICATION MANUAL.
<div><div></div><div>A21</div></div>	A21 REFER TO GUESTROOM PLANS FOR HOLD-TO DIMENSIONS BETWEEN PTAC UNIT AND INTERIOR WALL NOTED.	<div><div></div><div>A103</div></div>	A103 PROVIDE BLOCKING IN CEILING/WALL FOR SHADE MOUNT, TOP OF SHADE MOUNT ABUTTS CEILING WHERE CEILING IS 8'-0" & 9'-0". COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.	<div><div></div><div>E21</div></div>	E21 PROVIDE JBOX FOR HARD-WIRED COOKTOP, RE: ELEC.	<div><div></div><div>E74</div></div>	E74 CENTER DECORATIVE LIGHT FIXTURE LM-401 OVER TABLE CLUSTER LM-231, LM-232, LM-233 AS SHOWN.	<div><div></div><div>E140</div></div>	E140 LOW VOLTAGE CEILING SENSOR WITH WALL MOUNTED MOMENTARY SWITCH.	<div><div></div><div>ID21</div></div>	ID21 SLAB TILE AT VANITY WING WALLS TO BE MOUNTED VERTICALLY TO AVOID SEAMS.
<div><div></div><div>A22</div></div>	A22 REFER TO GUESTROOM PLANS FOR HOLD-TO DIMENSIONS BETWEEN PTAC UNIT AND INTERIOR WALL NOTED.	<div><div></div><div>A104</div></div>	A104 PROVIDE BLOCKING IN CEILING/WALL FOR SHADE MOUNT, TOP OF SHADE MOUNT ABUTTS CEILING WHERE CEILING IS 8'-0" & 9'-0". COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.	<div><div></div><div>E22</div></div>	E22 RANGE/OVEN OUTLET, RE: ELEC.	<div><div></div><div>E75</div></div>	E75 CENTER DECORATIVE LIGHT FIXTURE LM-402 OVER COMMUNITY TABLE AS SHOWN.	<div><div></div><div>E141</div></div>	E141 COORDINATE CONNECTIVITY REQUIREMENTS WITH SPECIFIED FF&E INDICATED IN THE DRAWING WITH THE INTERIOR DESIGN SPECIFICATION MANUAL.	<div><div></div><div>ID22</div></div>	ID22 TILE PATTERN TO RUN HORIZONTALLY. TILE SEAM TO START @ 40" (SAME AS MIRROR), TOP OF MIRROR TO ALIGN WITH TILE SEAM, HEIGHT MIN 7" AFF.
<div><div></div><div>A23</div></div>	A23 TV NICHE DETAIL DOES NOT APPLY TO EXTERIOR WALLS; TVs LOCATED ON EXTERIOR WALLS SHOULD BE SURFACE MOUNTED WITH FF&E TRIM X-226, REFER TO INTERIOR DESIGN SPECIFICATIONS MANUAL. TVs LOCATED IN THE DEMISING WALLS HAVE THE OPTION BETWEEN PROVIDING A NICHE WITH A SOUND BARRIER (REFER TO DETAIL 3/552) OR THE FF&E TRIM X-226. COORDINATE WITH THE INTERIOR DESIGN SPECIFICATION MANUAL WHEN PROVIDING X-226.	<div><div></div><div>A105</div></div>	A105 SEE POOL SHEETS & SPEC FOR DETAIL INFORMATION ON POOL LAYOUT AND EQUIPMENT.	<div><div></div><div>E23</div></div>	E23 P-TRAP AT VANITY IS TO BE POLISHED CHROME.	<div><div></div><div>E76</div></div>	E76 DUCT SHAFT FOR OUTSIDE AIR. PROVIDE DAMPERS IN ACCORDANCE WITH THE CODE OF THE INTERNATIONAL JURISDICTION. RE: MECH.	<div><div></div><div>E142</div></div>	E142 COORDINATE CONNECTIVITY REQUIREMENTS WITH SPECIFIED FF&E INDICATED IN THE DRAWING WITH THE INTERIOR DESIGN SPECIFICATION MANUAL.	<div><div></div><div>ID23</div></div>	ID23 SLAB TILE AT VANITY WING WALLS TO BE MOUNTED VERTICALLY TO AVOID SEAMS.
<div><div></div><div>A24</div></div>	A24 ASSIGN A DESIGNATED SMOKING AREA FOR PUBLIC AND EMPLOYEES. LOCATION AND DISTANCE FROM ENTRANCE AT THE REAR OF THE BUILDING MUST FOLLOW LOCAL CODE.	<div><div></div><div>A106</div></div>	A106 MEMBRANE ROOFING SYSTEM, RE: SPEC.	<div><div></div><div>E24</div></div>	E24 LOCATE SWITCH WHERE SHOWN, RE: ELEC. & MOUNTING HEIGHTS ON G-300s.	<div><div></div><div>E77</div></div>	E77 DUCT SHAFT FOR OUTSIDE AIR. PROVIDE DAMPERS IN ACCORDANCE WITH THE CODE OF THE INTERNATIONAL JURISDICTION. RE: MECH.	<div><div></div><div>E143</div></div>	E143 COORDINATE CONNECTIVITY REQUIREMENTS WITH SPECIFIED FF&E INDICATED IN THE DRAWING WITH THE INTERIOR DESIGN SPECIFICATION MANUAL.	<div><div></div><div>ID24</div></div>	ID24 TILE PATTERN TO RUN HORIZONTALLY. TILE SEAM TO START @ 40" (SAME AS MIRROR), TOP OF MIRROR TO ALIGN WITH TILE SEAM, HEIGHT MIN 7" AFF.
<div><div></div><div>A25</div></div>	A25 EDGE OF PORTE COCHERE CANOPY ABOVE, REFER TO DRAWING 110 FOR DETAILS.	<div><div></div><div>A107</div></div>	A107 PROVIDE CUTOFF IN CARPET FOR SOFA CONNECT TO FLOORBOX; REFER TO CRITERIA SHEET 720 FOR OUTLETS.	<div><div></div><div>E25</div></div>	E25 LOCATE OUTLET NEAR THE CORNER WALL, 48" AFF TO TOP OF BOX.	<div><div></div><div>E78</div></div>	E78 DUCT SHAFT FOR OUTSIDE AIR. PROVIDE DAMPERS IN ACCORDANCE WITH THE CODE OF THE INTERNATIONAL JURISDICTION. RE: MECH.	<div><div></div><div>E144</div></div>	E144 COORDINATE CONNECTIVITY REQUIREMENTS WITH SPECIFIED FF&E INDICATED IN THE DRAWING WITH THE INTERIOR DESIGN SPECIFICATION MANUAL.	<div><div></div><div>ID25</div></div>	ID25 4" COUNTERTOP BACKSPLASH TO BE INSTALLED ONLY IF WALL PAINT OR WALL COVERING IS INSTALLED. IF OPTIONAL TILE BACKSPLASH IS INSTALLED, TILE IS TO RUN FROM COUNTERTOP TO UNDER CUBBIES AND STOP AT EDGE OF COUNTERTOP (DOES NOT RUN BEHIND THE REFRIGERATOR). USE METAL EDGE TRIM AT TILE VERTICAL EDGES. TILE BACKSPLASH MUST BE INSTALLED ON SIDEWALL WHEN COOKTOP OR RANGE IS DIRECTLY ADJACENT, AND IN THAT INSTANCE SHOULD BE ON BACKWALL TOO. TILE TO BE TW-001 AND GROUT TO BE GR-005. SEE GUESTROOM BPM.
<div><div></div><div>A26</div></div>	A26 DUMPSTER ENCLOSURE. DO NOT BLOCK OVERHEAD FUNCTIONING OF TRUCK.	<div><div></div><div>A108</div></div>	A108 PROVIDE CUTOFF IN CARPET FOR SOFA CONNECT TO FLOORBOX; REFER TO CRITERIA SHEET 720 FOR OUTLETS.	<div><div></div><div>E26</div></div>	E26 HIGH OUTLET BEHIND FASCIA FOR SOLAR SHADE, RE: ELEC.	<div><div></div><div>E79</div></div>	E79 DUCT SHAFT FOR OUTSIDE AIR. PROVIDE DAMPERS IN ACCORDANCE WITH THE CODE OF THE INTERNATIONAL JURISDICTION. RE: MECH.	<div><div></div><div>E145</div></div>	E145 COORDINATE ELECTRICAL OUTLETS WITH FOOD SERVICE EQUIPMENT TO ENSURE PROPER ALIGNMENT BETWEEN APPLIANCES AND OUTLETS; OUTLETS TO BE PLACED HORIZONTALLY CENTERED ON GROUT LINE AS INDICATED ON ELEVATIONS.	<div><div></div><div>ID26</div></div>	ID26 WALLCOVERING TO WRAP AROUND ALL WALL CORNERS TRANSITIONING TO SLAT WALL.
<div><div></div><div>A27</div></div>	A27 MONUMENT SIGN, REFER TO CIVIL & EXTERIOR SIGNAGE SPECIFICATIONS.	<div><div></div><div>A109</div></div>	A109 COORDINATE OUTLET LOCATIONS WITH BANQUETTE LENGTHS, RE: ELEC.	<div><div></div><div>E27</div></div>	E27 CENTER OUTLET WITHIN AVAILABLE WALL SPACE.	<div><div></div><div>E80</div></div>	E80 DUCT SHAFT FOR OUTSIDE AIR. PROVIDE DAMPERS IN ACCORDANCE WITH THE CODE OF THE INTERNATIONAL JURISDICTION. RE: MECH.	<div><div></div><div>E146</div></div>	E146 TRANSFORMERS FOR PUCK AND UNDERCABINET LIGHTS TO BE LOCATED IN UPPER CABINETS, TO REMOVAL REMOVABLE CABINET PANEL. PROVIDE OUTLET IN THIS SPACE TO PLUG-IN TRANSFORMERS.	<div><div></div><div>ID27</div></div>	ID27 WALLCOVERING TO WRAP AROUND ALL WALL CORNERS TRANSITIONING TO SLAT WALL.
<div><div></div><div>A28</div></div>	A28 DOWNSPOUTS TO BE TIGHT-LINED INTO UNDERGROUND STORM SEWER WHEREVER POSSIBLE. WHERE NOT POSSIBLE, THEY SHALL DISCHARGE ONTO CONCRETE SPLASH BLOCKS. STORM WATER SHALL NOT DRAIN ACROSS WALKWAYS, RE: CIVIL.	<div><div></div><div>A110</div></div>	A110 KITCHEN MILLWORK PULLS AND CUP HOOKS FINISH SHALL BE SATIN STAINLESS STEEL. OAE.	<div><div></div><div>E28</div></div>	E28 CENTER OUTLET WITHIN AVAILABLE WALL SPACE.	<div><div></div><div>E81</div></div>	E81 LOCATE CLOSET LIGHT ON FACE OF DOOR HEAD FRAME INSIDE CLOSET AND CONNECT TO SURFACES MOUNTED RELAY SWITCH ON DOOR FRAME JAMB. PROVIDE OUTLET ABOVE DOOR FOR POWER TO TRANSFORMER ALSO LOCATED ABOVE DOOR. ALL WIRING TO BE CONCEALED WITHIN WALLS.	<div><div></div><div>E147</div></div>	E147 TRANSFORMERS FOR PUCK AND UNDERCABINET LIGHTS TO BE LOCATED IN UPPER CABINETS, TO REMOVAL REMOVABLE CABINET PANEL. PROVIDE OUTLET IN THIS SPACE TO PLUG-IN TRANSFORMERS.	<div><div></div><div>ID28</div></div>	ID28 WALLCOVERING TO WRAP AROUND ALL WALL CORNERS TRANSITIONING TO SLAT WALL.
<div><div></div><div>A29</div></div>	A29 SIDE ENTRY CANOPY ABOVE, REFER TO DRAWING 221 FOR DETAILS.	<div><div></div><div>A111</div></div>	A111 OPEN CUBBY BACK PANELS TO BE PAINTED TO MATCH WALL FINISH WHERE INSTALLED. MILLWORK MFR TO SAVE SPACE, PRIME BACK PANEL. PAINT TO BE APPLIED IN THE FIELD.	<div><div></div><div>E29</div></div>	E29 DESK OUTLET, DATA, & TELEPHONE JACK TO BE CENTERED WITHIN THE DESK OPEN SPACE. COORDINATE POWER AND DATA WITH DESK SPECIFICATION IN THE INTERIOR DESIGN SPECIFICATION MANUAL.	<div><div></div><div>E82</div></div>	E82 MAIN DISTRIBUTION PANELS, RE: ELEC.	<div><div></div><div>E148</div></div>	E148 TRANSFORMERS FOR PUCK AND UNDERCABINET LIGHTS TO BE LOCATED IN UPPER CABINETS, TO REMOVAL REMOVABLE CABINET PANEL. PROVIDE OUTLET IN THIS SPACE TO PLUG-IN TRANSFORMERS.	<div><div></div><div>ID29</div></div>	ID29 WALLCOVERING TO WRAP AROUND ALL WALL CORNERS TRANSITIONING TO SLAT WALL.
<div><div></div><div>A30</div></div>	A30 ENTRANCE PATIO TRELIS, REFER TO DRAWING 112 FOR DETAILS.	<div><div></div><div>A112</div></div>	A112 GUESTROOM VANITIES CAN BE MILLWORK OR FF&E. MILLWORK DETAILS ARE PROVIDED WITHIN THE CONSTRUCTION DRAWINGS. FF&E MARK NUMBER IS ALSO PROVIDED WITHIN THE DRAWINGS; REFER TO INTERIOR DESIGN SPECIFICATION MANUAL FOR FF&E.	<div><div></div><div>E30</div></div>	E30 WIRELESS ACCESS POINT (WAP) LOCATED UNDER DESK WITH DEDICATED DUPLEX OUTLET, RE ELEC.	<div><div></div><div>E83</div></div>	E83 PROVIDE FLOOR OUTLET AT SOFA ARM BASE FOR CONNECTIVITY. COORDINATE CONNECTIVITY REQUIREMENTS WITH SPECIFIED FF&E INDICATED IN THE DRAWING WITH THE INTERIOR DESIGN SPECIFICATION MANUAL.	<div><div></div><div>E149</div></div>	E149 TRANSFORMERS FOR PUCK AND UNDERCABINET LIGHTS TO BE LOCATED IN UPPER CABINETS, TO REMOVAL REMOVABLE CABINET PANEL. PROVIDE OUTLET IN THIS SPACE TO PLUG-IN TRANSFORMERS.	<div><div></div><div>ID30</div></div>	ID30 PORCELAIN FLOOR TILE, TF-004-A1 AND GROUT GR-004 ARE OPTIONAL FINISHES FOR THE LVT FLOORING, ISDM 4X-010, AT GUESTROOM ENTRIES, KITCHENS, AND BATHROOMS.
<div><div></div><div>A31</div></div>	A31 POOL PATIO FENCE. SEE SHEET 430 FOR DETAILS.	<div><div></div><div>A113</div></div>	A113 TV RECESS SHALL COVER THE DEPTH OF THE TV WALL MOUNT BRACKET (MIN. 4"). WALLS SHALL BE A MINIMUM OF 6" THICK WHERE TVs ARE LOCATED IN PUBLIC SPACE. COORDINATE WITH TV MOUNT, REFER TO INTERIOR DESIGN SPECIFICATION MANUAL. A CHASE WALL MAY BE PROVIDED AS AN ALTERNATE SOLUTION.	<div><div></div><div>E31</div></div>	E31 LIGHT BOLLARDS. LOCATE IN GROUND 8" FROM SIDEWALK (CENTER TO EDGE) PROVIDE CONCRETE FOUNDATION W/ J-BOX PER MANUF. REQUIREMENTS.	<div><div></div><div>E84</div></div>	E84 PROVIDE FLOOR OUTLET AT SOFA ARM BASE FOR CONNECTIVITY. COORDINATE CONNECTIVITY REQUIREMENTS WITH SPECIFIED FF&E INDICATED IN THE DRAWING WITH THE INTERIOR DESIGN SPECIFICATION MANUAL.	<div><div></div><div>E150</div></div>	E150 TRANSFORMERS FOR PUCK AND UNDERCABINET LIGHTS TO BE LOCATED IN UPPER CABINETS, TO REMOVAL REMOVABLE CABINET PANEL. PROVIDE OUTLET IN THIS SPACE TO PLUG-IN TRANSFORMERS.	<div><div></div><div>ID31</div></div>	ID31 WALLCOVERING TO WRAP AROUND ALL WALL CORNERS TRANSITIONING TO SLAT WALL.
<div><div></div><div>A32</div></div>	A32 REFER TO THE BUILDING SITE + EXTERIOR BPM FOR ASSISTANCE WITH ORDERING THE WEBER GRILL.	<div><div></div><div>A114</div></div>	A114 OPEN CUBBY BACK PANELS TO BE PAINTED TO MATCH WALL FINISH WHERE INSTALLED. MILLWORK MFR TO SAVE SPACE, PRIME BACK PANEL. PAINT TO BE APPLIED IN THE FIELD.	<div><div></div><div>E32</div></div>	E32 PARKING LIGHT FIXTURE ALONG PERIMETER OF PARKING LOT TO BE CENTERED ON PARKING STRIPES TO PROTECT FROM VEHICLE OVERHANG DAMAGE.	<div><div></div><div>E85</div></div>	E85 UNDERCABINET LIGHTING AT BUFFET SHALL BE ON ITS OWN DIMMING CONTROL. CONTROL STATION SHALL BE LOCATED NEXT TO THE FOOD PREP DOOR.	<div><div></div><div>E151</div></div>	E151 TRANSFORMERS FOR PUCK AND UNDERCABINET LIGHTS TO BE LOCATED IN UPPER CABINETS, TO REMOVAL REMOVABLE CABINET PANEL. PROVIDE OUTLET IN THIS SPACE TO PLUG-IN TRANSFORMERS.	<div><div></div><div>ID32</div></div>	ID32 WALLCOVERING TO WRAP AROUND ALL WALL CORNERS TRANSITIONING TO SLAT WALL.
<div><div></div><div>A33</div></div>	A33 TYPICAL GUESTROOM WINDOW.	<div><div></div><div>A115</div></div>	A115 REFER TO PUBLIC SPACE OR GUESTROOM BUILDING PRODUCT MANUAL FOR PLASTIC LAMINATE CASEWORK.	<div><div></div><div>E33</div></div>	E33 PARKING LIGHT FIXTURE ALONG PERIMETER OF PARKING LOT TO BE CENTERED ON PARKING STRIPES TO PROTECT FROM VEHICLE OVERHANG DAMAGE.	<div><div></div><div>E86</div></div>	E86 UNDERCABINET LIGHTING AT BUFFET SHALL BE ON ITS OWN DIMMING CONTROL. CONTROL STATION SHALL BE LOCATED NEXT TO THE FOOD PREP DOOR.	<div><div></div><div>E152</div></div>	E152 TRANSFORMERS FOR PUCK AND UNDERCABINET LIGHTS TO BE LOCATED IN UPPER CABINETS, TO REMOVAL REMOVABLE CABINET PANEL. PROVIDE OUTLET IN THIS SPACE TO PLUG-IN TRANSFORMERS.	<div><div></div><div>ID33</div></div>	ID33 WALLCOVERING TO WRAP AROUND ALL WALL CORNERS TRANSITIONING TO SLAT WALL.
<div><div></div><div>A34</div></div>	A34 REFER TO THE BUILDING SITE + EXTERIOR BPM FOR ASSISTANCE WITH ORDERING THE WEBER GRILL.	<div><div></div><div>A116</div></div>	A116 GUESTROOM VANITIES CAN BE MILLWORK OR FF&E. MILLWORK DETAILS ARE PROVIDED WITHIN THE CONSTRUCTION DRAWINGS. FF&E MARK NUMBER IS ALSO PROVIDED WITHIN THE DRAWINGS; REFER TO INTERIOR DESIGN SPECIFICATION MANUAL FOR FF&E.	<div><div></div><div>E34</div></div>	E34 PTAC LOUVER INTEGRAL WITH WINDOW FRAME. FINISH TO MATCH WINDOW FRAME.	<div><div></div><div>E87</div></div>	E87 ICE MACHINES TO BE EXHAUSTED OF EXCESS HEAT. LOCATE EXHAUST DIRECTLY OVER ICE MACHINE, RE: MECH.	<div><div></div><div>E153</div></div>	E153 TRANSFORMERS FOR PUCK AND UNDERCABINET LIGHTS TO BE LOCATED IN UPPER CABINETS, TO REMOVAL REMOVABLE CABINET PANEL. PROVIDE OUTLET IN THIS SPACE TO PLUG-IN TRANSFORMERS.	<div><div></div><div>ID34</div></div>	ID34 WALLCOVERING TO WRAP AROUND ALL WALL CORNERS TRANSITIONING TO SLAT WALL.
<div><div></div><div>A35</div></div>	A35 TYPICAL GUESTROOM WINDOW.	<div><div></div><div>A117</div></div>	A117 FRAMELESS DOOR JAMB DOOR SYSTEM, RE: SPEC.	<div><div></div><div>E35</div></div>							



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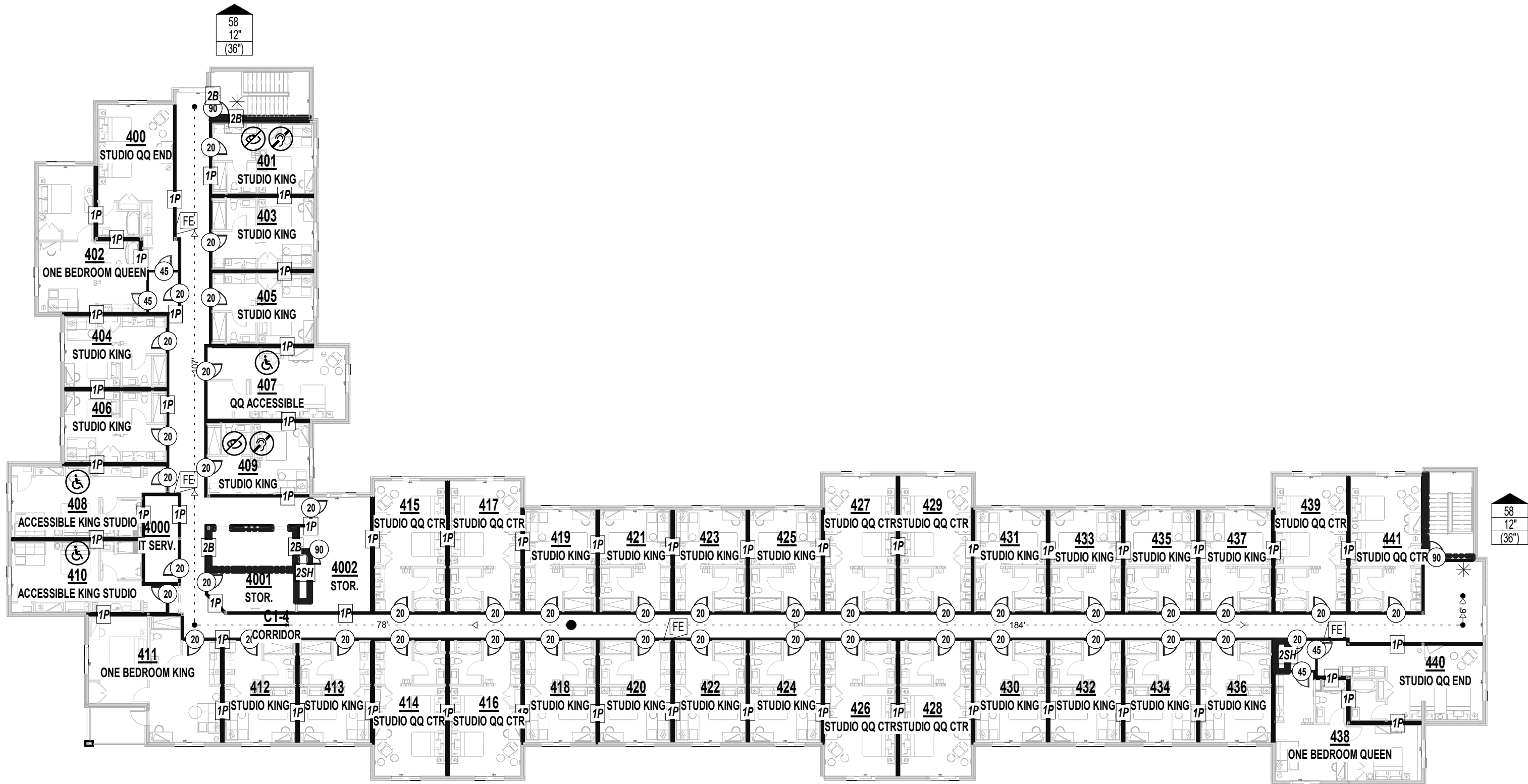


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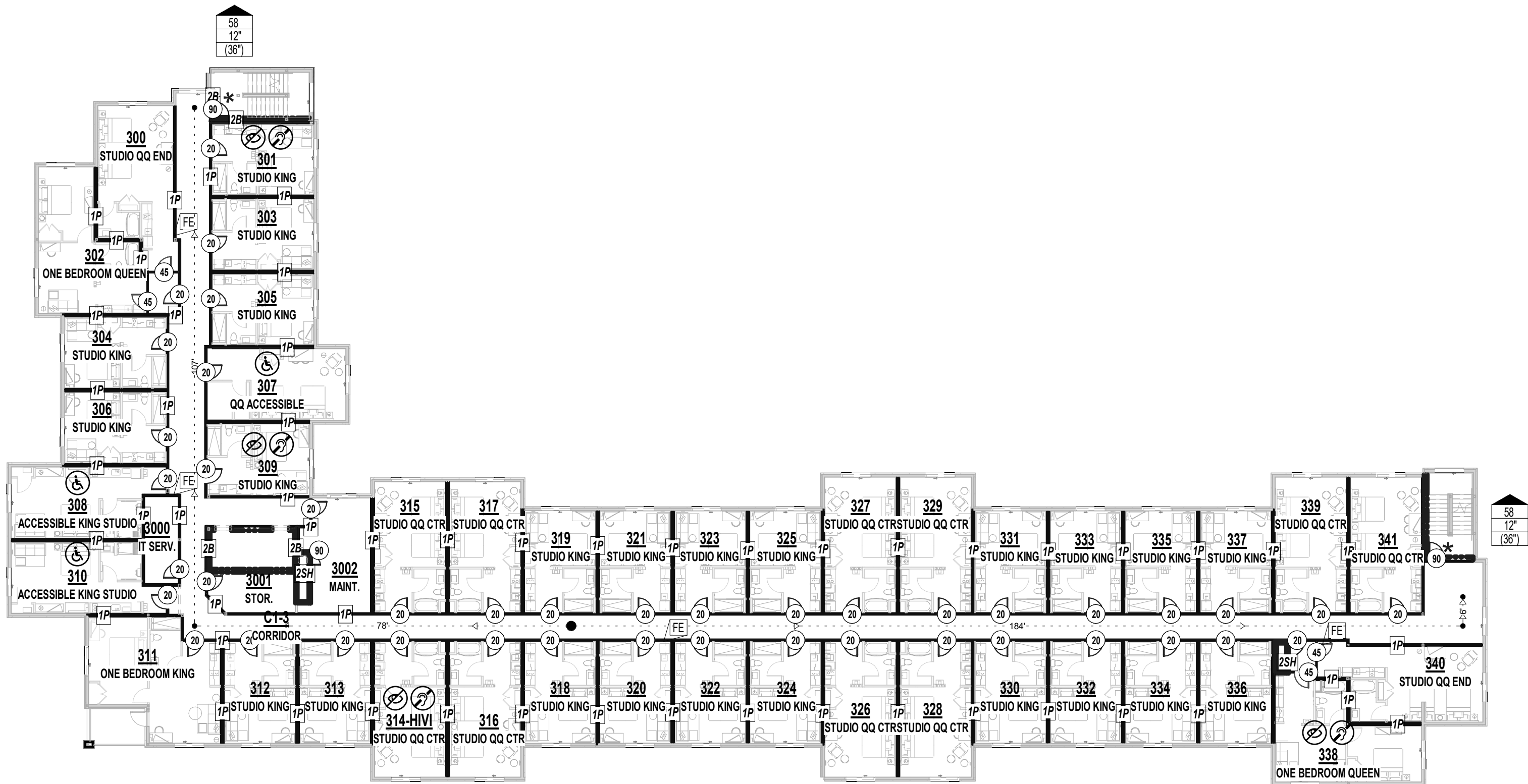
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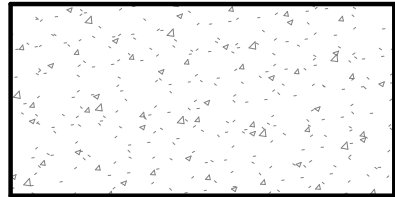
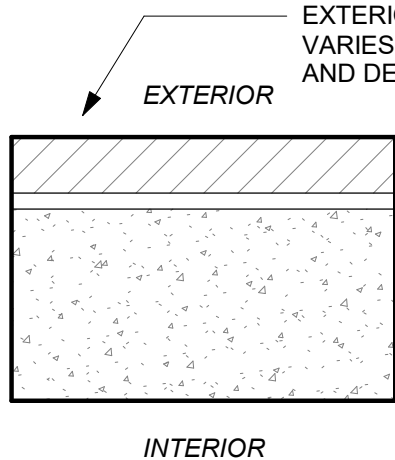
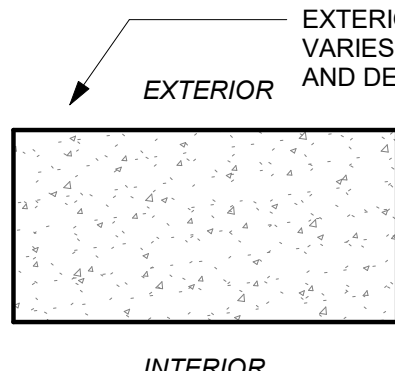
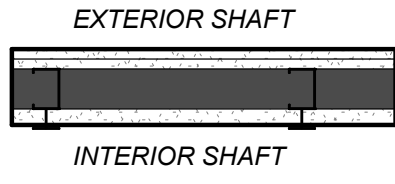
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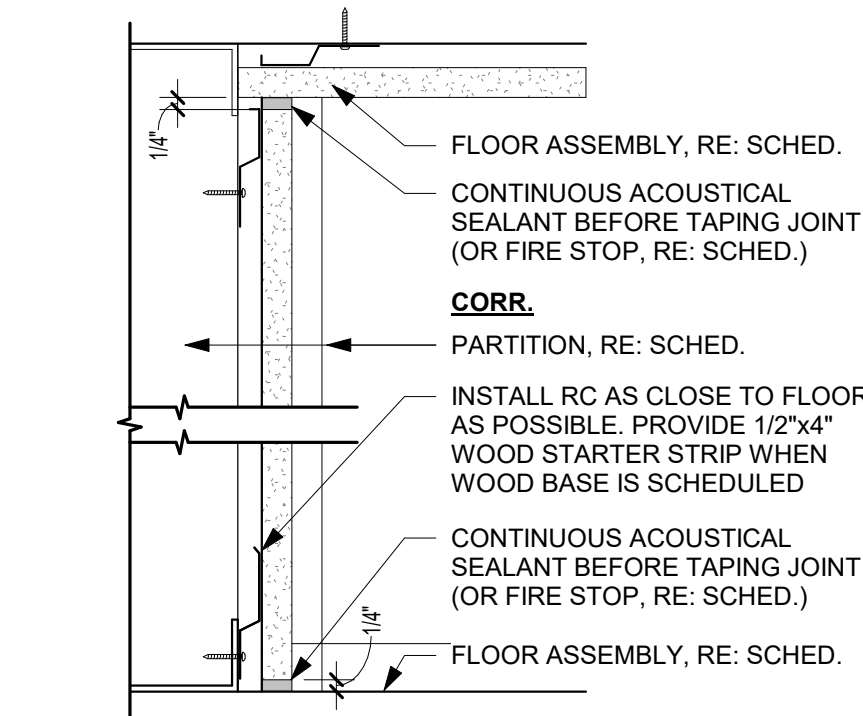


2 FOURTH FLOOR PLAN
1" = 20'-0"

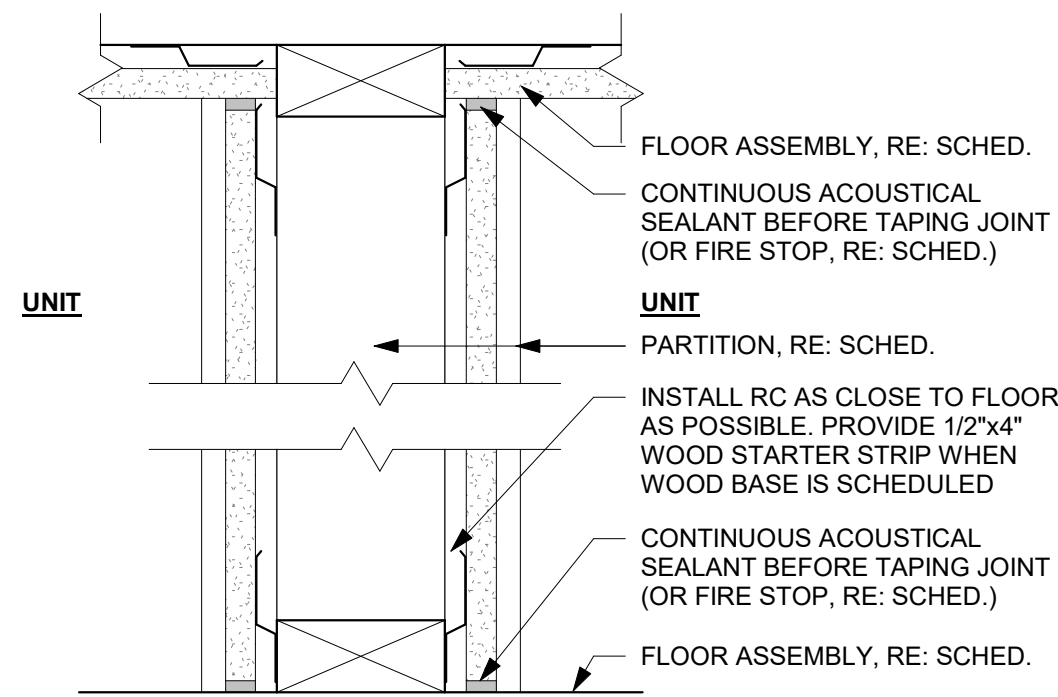


1 THIRD FLOOR PLAN
1" = 20'-0"

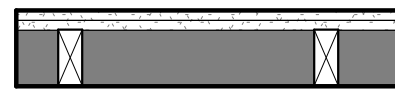
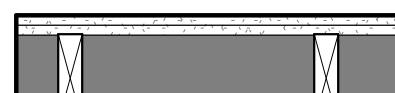
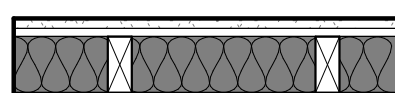
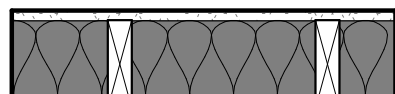
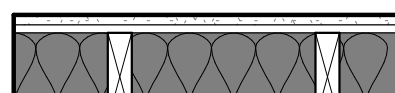
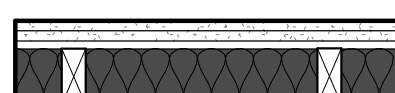
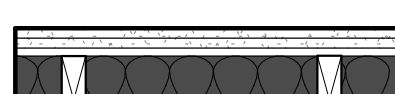
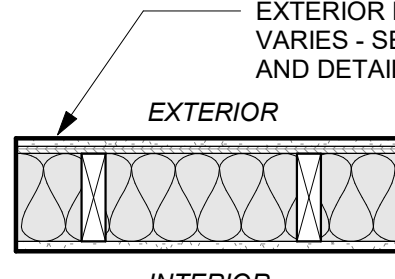
INTERIOR ASSEMBLIES - CMU / CONCRETE	
 <div>P43</div> <div> CONCRETE - 1HR VERTICAL ASSEMBLY - INTERIOR <ul style="list-style-type: none"> CONCRETE, THICKNESS AND REINFORCING PER STRUCT. DWGS. NOTES: <ul style="list-style-type: none"> a. USE 2018 IBC TABLE 721.1 (2) 4. MINIMUM DEPTH FOR RATED CONCRETE b. APPLY WATERPROOFING AT ALL SUBGRADE PORTION OF WALLS </div>	
EXTERIOR ASSEMBLIES - CMU / CONCRETE	
 <div>P48</div> <div> CONCRETE - 1HR PARTITION- EXTERIOR <ul style="list-style-type: none"> EXTERIOR FINISH SYSTEM PER ELEVATIONS, BRICK SHOWN WEATHER RESISTANT BARRIER PER SPECIFICATIONS CONCRETE - THICKNESS AND REINFORCING PER STRUCT. NOTES: <ul style="list-style-type: none"> a. USE 2018 IBC TABLE 721.1 (2) 4 MINIMUM DEPTH FOR 1 HOUR CONCRETE b. APPLY WATERPROOFING AT ALL SUBGRADE PORTION OF WALLS </div>	
 <div>P49</div> <div> CONCRETE - 1HR PARTITION- EXTERIOR BELOW GRADE <ul style="list-style-type: none"> WATERPROOFING/DAMPPOOFING CONCRETE - THICKNESS AND REINFORCING PER STRUCT. NOTES: <ul style="list-style-type: none"> a. USE 2018 IBC TABLE 721.1 (2) 4 MINIMUM DEPTH FOR RATED CONCRETE b. APPLY WATERPROOFING AT ALL SUBGRADE PORTION OF WALLS </div>	
INTERIOR SHAFT ASSEMBLIES (METAL-RATED)	
 <div>P75</div> <div> METAL 2 1/2" C-H STUD - 2HR RATED SHAFT - INTERIOR <ul style="list-style-type: none"> (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD PER UL 2-1/2" C-H STUDS SPACED 24" O.C. (1) LAYER 1" SHAFT WALL LINER NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH UL DESIGN U415, SYSTEM A (FEB 14, 2023) b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS </div>	

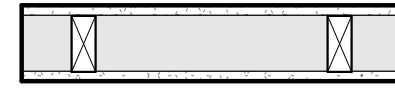

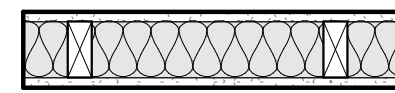
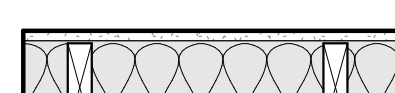


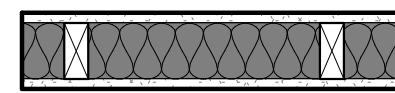
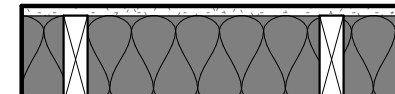
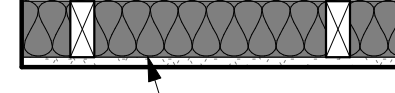
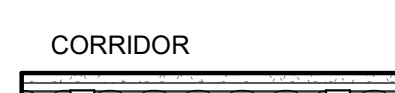
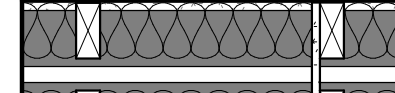


1
ACOUSTIC SEALANT @ FLOOR/CEILING
3" = 1'-0"



2
UNIT/UNIT ACOUSTICAL SEALANT @ FLOOR/CEILING
3" = 1'-0"

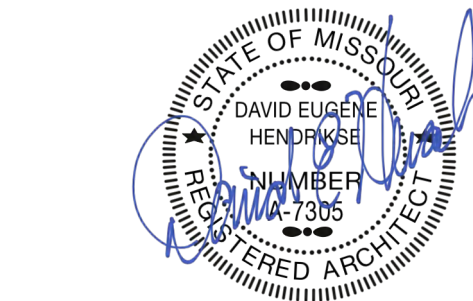
INTERIOR BARRIER ASSEMBLIES - WOOD - 1 HR RATED	
 <div>P15</div> <div> WOOD 2X4 STUD - 1HR PARTITION - INTERIOR <ul style="list-style-type: none"> (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD 2x4 WOOD STUDS SPACED 16" O.C. MAX. OR PER STRUCT. DWGS. NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH 2018 IBC 722.2.1.4.2, INCLUDING TABLE 722.2.1.4 (2) b. REFER TO IBC REFERENCE LISTED ABOVE FOR SCREW PATTERN AND OTHER REQUIREMENTS </div>	
 <div>P16</div> <div> WOOD 2X6 STUD - 1HR PARTITION - INTERIOR <ul style="list-style-type: none"> (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD 2x6 WOOD STUDS SPACED 16" O.C. MAX. OR PER STRUCT. DWGS. NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH 2018 IBC 722.2.1.4.2, INCLUDING TABLE 722.2.1.4 (2) b. REFER TO IBC REFERENCE LISTED ABOVE FOR SCREW PATTERN AND OTHER REQUIREMENTS </div>	
 <div>P19</div> <div> WOOD 2X4 STUD - 1HR BARRIER - INTERIOR SOUND DAMPENING <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD 25 MSG GALVANIZED RESILIENT CHANNEL, SPACED 24" O.C. 2x4 WOOD STUDS SPACED 16" O.C. MAX OR PER STRUCT. DWGS. 3-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (SEPT 19, 2023) b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS c. SHALL COMPLY WITH IBC SECTION 7 FOR FIRE BARRIERS d. STC SHALL BE 50 OR OVER AT UNIT ASSEMBLIES, MEETING ASTM E90 (STC 51 BASED UPON TESTING NGC 2011071) e. WHERE BARRIER DIVIDES A CORRIDOR AND A UNIT, CORRIDOR SIDE SHALL RECEIVE THE RESILIENT CHANNEL </div>	
 <div>P20</div> <div> WOOD 2X6 STUD - 1HR BARRIER - INTERIOR <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD 2x6 WOOD STUDS SPACED 16" O.C. MAX. OR PER STRUCT. DWGS. 5-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (SEPT 19, 2023) b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS c. SHALL COMPLY WITH IBC SECTION 7 FOR FIRE BARRIERS </div>	
 <div>P21</div> <div> WOOD 2X6 STUD - 1HR BARRIER - INTERIOR SOUND DAMPENING <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD 25 MSG GALVANIZED RESILIENT CHANNEL, SPACED 24" O.C. 2x6 WOOD STUDS SPACED 16" O.C. MAX OR PER STRUCT. DWGS. 5-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (SEPT 19, 2023) b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS c. SHALL COMPLY WITH IBC SECTION 7 FOR FIRE BARRIERS d. STC SHALL BE 50 OR OVER AT UNIT ASSEMBLIES, MEETING ASTM E90 (STC 51 BASED UPON TESTING NGC 2011071) e. WHERE BARRIER DIVIDES A CORRIDOR AND A UNIT, CORRIDOR SIDE SHALL RECEIVE THE RESILIENT CHANNEL </div>	
INTERIOR BARRIER ASSEMBLIES - WOOD - 2 HR RATED	
 <div>P22</div> <div> WOOD 2X4 STUD - 2HR BARRIER - INTERIOR <ul style="list-style-type: none"> (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD 25 MSG GALVANIZED RESILIENT CHANNEL, 24" O.C. 2x4 WOOD STUDS SPACED 16" O.C. MAX OR PER STRUCT. DWGS. 3-1/2" FRICTION FIT BATT INSULATION IN STUD CAVITY (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH UL DESIGN U301 (SEPT 19, 2023) b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS c. SHALL COMPLY WITH IBC SECTION 7 FOR FIRE BARRIER d. STC SHALL BE 50 OR OVER AT UNIT ASSEMBLIES, MEETING ASTM E90 (STC 58 BASED UPON TESTING NGC 2011069) </div>	
 <div>P23</div> <div> WOOD 2X6 STUD - 2HR BARRIER - INTERIOR <ul style="list-style-type: none"> (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD 25 MSG GALVANIZED RESILIENT CHANNEL, 24" O.C. 2x6 WOOD STUDS SPACED 16" O.C. MAX OR PER STRUCT. DWGS. 5-1/2" FRICTION FIT BATT INSULATION IN STUD CAVITY (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH UL DESIGN U301 (SEPT 19, 2023) b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS c. SHALL COMPLY WITH IBC SECTION 7 FOR FIRE BARRIER d. STC SHALL BE 50 OR OVER AT UNIT ASSEMBLIES, MEETING ASTM E90 (STC 58 BASED UPON TESTING NGC 2011069) </div>	
EXTERIOR PARTITION ASSEMBLIES - WOOD - NON RATED	
 <div>P36</div> <div> WOOD 2X6 STUD - NON-RATED EXTERIOR <ul style="list-style-type: none"> EXTERIOR FINISH SYSTEM PER ELEVATIONS WEATHER RESISTANT BARRIER, PER SPECIFICATIONS (1) LAYER SHEATHING PER STRUCT. DWGS. 2x6 WOOD STUDS SPACED 16" O.C. MAX OR PER STRUCT. DWGS. (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. INTERIOR TO BE PAINTED PER FINISH SCHEDULE b. SCREW PATTERN PER STRUCT. </div>	

INTERIOR PARTITION ASSEMBLIES - WOOD - NON RATED	
 <div>P1</div> <div> WOOD 2X4 STUD - NON-RATED PARTITION - INTERIOR <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD 2x4 WOOD STUDS SPACED 16" O.C. (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ATTACH GYPSUM WITH 1-1/4" TYPE "W" STEEL SCREWS @ 12" O.C. </div>	
 <div>P2</div> <div> WOOD 2X6 STUD - NON-RATED PARTITION - INTERIOR <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD 2x6 WOOD STUDS SPACED 16" O.C. (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ATTACH GYPSUM WITH 1-1/4" TYPE "W" STEEL SCREWS @ 12" O.C. </div>	
 <div>P4</div> <div> WOOD 2X4 STUD - NON-RATED PARTITION - INTERIOR SOUND DAMPENING <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD 2x4 WOOD STUDS SPACED 16" O.C. 3 1/2" BATT INSULATION IN STUD CAVITY (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ATTACH GYPSUM WITH 1-1/4" TYPE "W" STEEL SCREWS @ 12" O.C. </div>	
 <div>P5</div> <div> WOOD 2X6 STUD - NON-RATED PARTITION - INTERIOR SOUND DAMPENING <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD 2x6 WOOD STUDS SPACED 16" O.C. 5 1/2" BATT INSULATION IN STUD CAVITY (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ATTACH GYPSUM WITH 1-1/4" TYPE "W" STEEL SCREWS @ 12" O.C. </div>	
 <div>P7</div> <div> WOOD 2X4 STUD - NON-RATED FURRING - INTERIOR <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON OCCUPIED SIDE 2x4 WOOD STUDS SPACED 16" O.C. NOTES: <ul style="list-style-type: none"> a. ATTACH GYPSUM WITH 1-1/4" TYPE "W" STEEL SCREWS @ 12" O.C. </div>	
 <div>P9</div> <div> WOOD 2X6 STUD - NON-RATED FURRING - INTERIOR <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON OCCUPIED SIDE 2x6 WOOD STUDS SPACED 16" O.C. NOTES: <ul style="list-style-type: none"> a. ATTACH GYPSUM WITH 1-1/4" TYPE "W" STEEL SCREWS @ 12" O.C. </div>	
INTERIOR PARTITION ASSEMBLIES - WOOD - 1 HR RATED	
 <div>P10</div> <div> WOOD 2X4 STUD - 1HR PARTITION - INTERIOR <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD 2x4 WOOD STUDS SPACED 16" O.C. MAX. OR PER STRUCT. DWGS. 5-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (SEPT 19, 2023) b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS </div>	
 <div>P11</div> <div> WOOD 2X6 STUD - 1HR PARTITION - INTERIOR <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD 2x6 WOOD STUDS SPACED 16" O.C. MAX. OR PER STRUCT. DWGS. 5-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (SEPT 19, 2023) b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS </div>	
 <div>P12</div> <div> WOOD 2X4 STUD - 1HR PARTITION - INTERIOR SOUND DAMPENING <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD 25 MSG GALVANIZED STEEL RESILIENT CHANNEL, 24" O.C. 2x4 WOOD STUDS SPACED 16" O.C. MAX. OR PER STRUCT. DWGS. 3-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (SEPT 19, 2023) b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS c. STC SHALL BE 50 OR OVER AT UNIT ASSEMBLIES, MEETING ASTM E90 (STC 51 BASED UPON TESTING NGC 2011071) d. WHERE PARTITION DIVIDES A CORRIDOR AND UNIT, RESILIENT CHANNEL SHALL BE ON CORRIDOR SIDE OF WALL. GC TO COORDINATE e. WHERE PARTITION IS USED AS A DEMISING WALL AND/OR FOR STRUCTURAL SHEAR, GC TO COORDINATE ADDITIONAL LAYERS OF STRUCTURAL MATERIAL PER STRUCTURAL DRAWINGS. THESE LAYERS TO BE ADDITIVE TO THE ASSEMBLY LISTED ABOVE AND SHALL BE INCORPORATED PER UL 263. WHERE ONLY ONE LAYER IS ADDED FOR STRUCTURAL SHEAR, THIS SHALL BE PLACED ON SIDE OF WALL WHERE ONLY GYPSUM BOARD RESIDES, NOT ON RESILIENT CHANNEL SIDE. </div>	
 <div>P13</div> <div> WOOD 2X6 STUD - 1HR PARTITION - INTERIOR SOUND DAMPENING <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD 25 MSG GALVANIZED STEEL RESILIENT CHANNEL, 24" O.C. 2x6 WOOD STUDS SPACED 16" O.C. MAX. OR PER STRUCT. DWGS. 5-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (SEPT 19, 2023) b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS c. STC SHALL BE 50 OR OVER AT UNIT ASSEMBLIES, MEETING ASTM E90 (STC 51 BASED UPON TESTING NGC 2011071) d. WHERE PARTITION DIVIDES A CORRIDOR AND UNIT, RESILIENT CHANNEL SHALL BE ON CORRIDOR SIDE OF WALL. GC TO COORDINATE e. WHERE PARTITION IS USED AS A DEMISING WALL AND/OR FOR STRUCTURAL SHEAR, GC TO COORDINATE ADDITIONAL LAYERS OF STRUCTURAL MATERIAL PER STRUCTURAL DRAWINGS. THESE LAYERS TO BE ADDITIVE TO THE ASSEMBLY LISTED ABOVE AND SHALL BE INCORPORATED PER UL 263. WHERE ONLY ONE LAYER IS ADDED FOR STRUCTURAL SHEAR, THIS SHALL BE PLACED ON SIDE OF WALL WHERE ONLY GYPSUM BOARD RESIDES, NOT ON RESILIENT CHANNEL SIDE. </div>	
 <div>P14</div> <div> WOOD DOUBLE 2X4 STUD - 1HR PARTITION - INTERIOR <ul style="list-style-type: none"> (1) LAYER 5/8" TYPE "X" GYPSUM BOARD 2x4 WOOD STUDS SPACED 16" O.C. MAX. OR PER STRUCT. DWGS. 3 1/2" FRICTION FIT BATT INSULATION IN STUD CAVITY 2" AIR GAP 2x4 WOOD STUDS SPACED 16" O.C. MAX. OR PER STRUCT. DWGS. 3 1/2" FRICTION FIT BATT INSULATION IN STUD CAVITY (1) LAYER 5/8" TYPE "X" GYPSUM BOARD NOTES: <ul style="list-style-type: none"> a. ASSEMBLY TO COMPLY WITH UL U341 (AUG 4, 2023) b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS c. PROVIDE 1/2" GYP BOARD DRAFT STOP AT MAX 10'-0" O.C. d. STC SHALL BE 50 OR OVER AT UNIT ASSEMBLIES, MEETING ASTM E90 (STC 61 BASED UPON TESTING TL11-120) </div>	

PRINTS ISSUED
11/01/2023 - CITY SUBMITTAL

REVISIONS:


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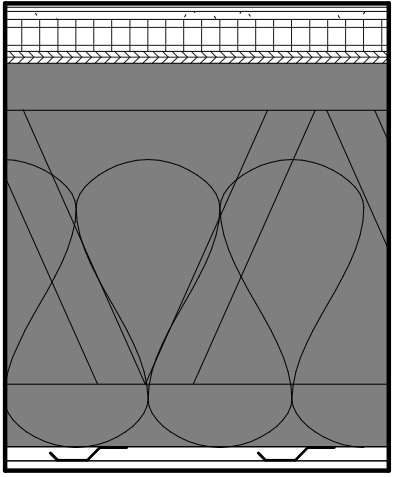
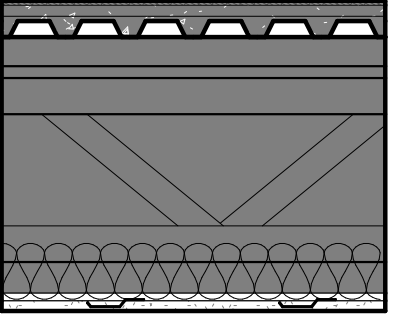
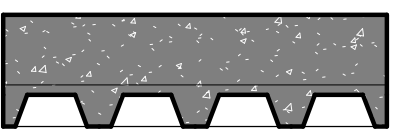

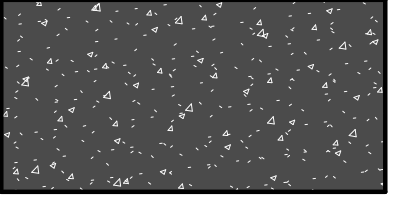
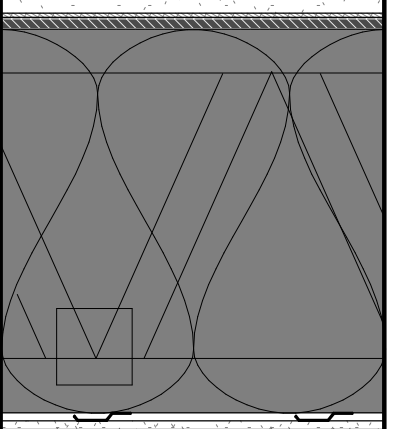
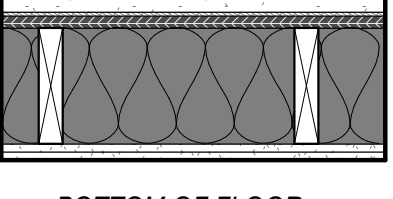
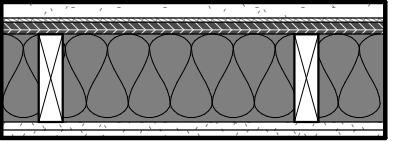
TOWNEPLACE SUITES
 1810 NORTHEAST DOUGLAS ST.
 LEE'S SUMMIT 64064 USA

SHEET TITLE
PARTITION ASSEMBLIES

PROJECT NUMBER: 23098

SHEET NUMBER:

G-102

ROOF/CEILING ASSEMBLY-WOOD	FLOOR/CEILING ASSEMBLY-METAL	FLOOR/CEILING ASSEMBLY-WOOD
<div><div><div>EXTERIOR</div><div>INTERIOR</div></div><div>R8</div><div>WOOD PARALLEL CHORD TRUSS - 1HR - TPO<ul style="list-style-type: none">TPO ROOFING, PER SPECIFICATION TO MEET IECC1/2" COVERBOARD, NON-COMBUSTIBLE, WATER-RESISTANTTAPERED INSULATION, SLOPE PER PLAN15/32" MIN. ROOF SHEATHING, SEE NOTE b.WOOD TRUSS FRAMING PER STRUCT. DWGS, MAX SPACING 24" OC - REFERENCE UL FOR CONSTRUCTIONR-30 INSULATION PER LEE'S SUMMIT CODE, INSTALLED PER UL25 MSG GALVANIZED STEEL RESILIENT CHANNELS, SPACED PER UL(1) LAYER OF 5/8" TYPE 'AG-C' GWB, BY AMERICAN GYPSUM CO, PER ULNOTES:<ul style="list-style-type: none">ASSEMBLY TO COMPLY WITH UL DESIGN P545 (SEPT 8, 2023)STRUCTURAL SHALL SUPERCEDE IF STRUCT SHEATHING IS THICKER OR DIFFERENT TYPE THAN LISTED ABOVE. PROVIDE REQ MIN ABOVE.REFER TO UL FOR SCREW PATTERNCRICKETS AS INDICATED ON ROOF PLAN TO BE FORMED OUT OF PRE-SLOPED POLYISO RIGID INSULATION, SLOPE TO DRAINROOF VENTS PER ROOF PLAN TO MEET REQUIRED VENTING</div></div>	<div><div><div>TOP OF FLOOR</div><div>BOTTOM OF FLOOR</div></div><div>F31</div><div>METAL 16" OPEN WEB TRUSS - 1HR<ul style="list-style-type: none">FLOOR FINISH PER INTERIOR DESIGN DRAWINGS1/4" ACOUSTICAL FLOOR MAT, THICKNESS TO MEET STC/IIC REQUIREMENTS IN NOTESCONCRETE TOPPING SLAB PER STRUCT. DWGS, DEPTH MEASURED FROM T.O. DECKING, THICKNESS TO MEET STC/IIC REQUIREMENTS IN NOTESWELDED WIRE FABRIC PER STRUCT. DWGS9/16" MIN. 28 MSG GALVANIZED CORRUGATED METAL DECKING PER STRUCT. DWGS.16" OPEN WEB METAL TRUSS PER STRUCT. DWGS.3-1/2" BATT INSULATION PER UL25 MSG GALVANIZED STEEL RESILIENT CHANNEL SPACED PER UL(1) LAYER OF 5/8" TYPE 'C' GWB PER ULNOTES:<ul style="list-style-type: none">RATING SHALL COMPLY WITH UL DESIGN G566, (APRIL 24, 2020).REFER TO UL FOR SCREW PATTERNSTC TO BE MIN. 50 PER IBC CHAPTER 12, IIC TO BE EQUAL OR GREATER THAN 50 WHEN TESTED UNDER ASTM E 492. (STC 57 BASED UPON TESTING NGC 7008010 ASSUMING CERAMIC TILE FLOOR FINISH. IIC 51 BASED UPON TESTING 7008019 ASSUMING CERAMIC TILE FLOOR FINISH.)PROPRIETARY TO EISEN METAL TRUSS SYSTEM</div></div> <div><div><div>TOP OF FLOOR</div><div>BOTTOM OF FLOOR</div></div><div>F32</div><div>METAL DECK AND CONCRETE - 1HR<ul style="list-style-type: none">CONCRETE TOPPING SLAB PER STRUCT.WELDED WIRE FABRIC PER STRUCT. DWGS.METAL DECKING PER STRUCT. DWGS.NOTES:<ul style="list-style-type: none">SHALL COMPLY WITH UL DESIGN D916 (MAY 16, 2023)</div></div>	<div><div><div><div>F1</div></div><div>CONCRETE - NON-RATED - SLAB ON GRADE<ul style="list-style-type: none">CONCRETE SLAB ON GRADE PER STRUCT. DWGS.NOTES:<ul style="list-style-type: none">SEE STRUCTURAL FOR REINFORCING AND THICKNESSVERIFY SLAB ELEVATIONS WITH CIVIL AND LANDSCAPE</div></div><div><div><div><div>F2</div></div><div>CONCRETE - 1 HOUR RATED<ul style="list-style-type: none">4" TOPPING SLAB12" HOLLOWCORENOTES:<ul style="list-style-type: none">RATING PER 2018 IBC TABLE 721.1SEE STRUCTURAL FOR REINFORCING AND THICKNESS</div></div><div><div><div><div>TOP OF FLOOR</div><div>BOTTOM OF FLOOR</div></div><div>F3</div><div>WOOD OPEN WEB TRUSS - 1HR<ul style="list-style-type: none">1" GYPCRETE TOPPING1/4" ACOUSTICAL MAT15/32" MIN. PLYWOOD SHEATHING, TYPE 'CID', SEE ALSO NOTE b.WOOD TRUSSES PER STRUCTURAL, REFER TO UL FOR MIN. REQsUNFACED FIBERGLASS INSULATION COMPLETELY FILLED IN CONCEALED CAVITY TO COMPLY WITH NFPA 13 CONCEALED SPACES.25 MSG GALVANIZED RESILIENT CHANNELS, SPACED PER U.L.(1) LAYER OF 5/8" TYPE 'C' GWB PER ULNOTES:<ul style="list-style-type: none">ASSEMBLY TO COMPLY WITH UL DESIGN L546 (OCT 3, 2023)STRUCTURAL SHALL SUPERCEDE IF STRUCT SHEATHING IS THICKER OR DIFFERENT TYPE THAN LISTED ABOVE. PROVIDE REQ MIN ABOVE.REFER TO UL FOR SCREW PATTERNSTC TO BE MIN. 50 PER IBC CHAPTER 12, IIC TO BE EQUAL OR GREATER THAN 50 WHEN TESTED UNDER ASTM E 492. (STC 60 BASED UPON TESTING 30160-08-90744-11. IIC 52 BASED UPON TESTING 30160-08-90744-7 ASSUMING VCT FLOOR FINISH.)VERIFY GWB AND RESILIENT CHANNEL WITH UL SPECIFIED, TAKE NOTE OF REQUIRED RESILIENT CHANNEL SPACING WITH INSULATION-FILLED CAVITYMIN. DEPTH OF TRUSS SHALL BE 18" WHEN DUCT PRESENT.</div></div><div><div><div><div>TOP OF FLOOR</div><div>BOTTOM OF FLOOR</div></div><div>F7</div><div>WOOD 2X8 LUMBER - 1HR - CORRIDOR<ul style="list-style-type: none">1" GYPCRETE TOPPING1/4" ACOUSTICAL MAT1/2" SHEATHING MIN, SEE NOTE b.2X8 WOOD JOISTS SPACED PER STRUCTURALUNFACED FIBERGLASS INSULATION COMPLETELY FILLED IN CONCEALED CAVITY TO COMPLY WITH NFPA 13 CONCEALED SPACES.(2) LAYERS OF 5/8" TYPE 'X' GWB PER IBCNOTES:<ul style="list-style-type: none">RATING FOR 2X8 DIMENSIONAL LUMBER ASSEMBLY: 2018 IBC TABLE 721.1(3) #21-1.1 & AMERICAN WOOD COUNCIL'S DCA 4 (COMPONENT ADDITIVE METHOD FOR CALCULCULATING AND DEMONSTRATING ASSEMBLY FIRE RESISTANCE)STRUCTURAL SHALL SUPERCEDE IF STRUCT SHEATHING IS THICKER OR DIFFERENT TYPE THAN LISTED ABOVE. PROVIDE REQ MIN ABOVE.REFER TO IBC TABLE FOR SCREW PATTERN</div></div><div><div><div><div>TOP OF FLOOR</div><div>BOTTOM OF FLOOR</div></div><div>F8</div><div>WOOD 2X8 LUMBER - 1HR - CORRIDOR<ul style="list-style-type: none">1" GYPCRETE TOPPING1/4" ACOUSTICAL MAT1/2" SHEATHING MIN, SEE NOTE b.2X8 WOOD JOISTS SPACED PER STRUCTURALUNFACED FIBERGLASS INSULATION COMPLETELY FILLED IN CONCEALED CAVITY TO COMPLY WITH NFPA 13 CONCEALED SPACES.(2) LAYERS OF 5/8" TYPE 'X' GWB PER IBCNOTES:<ul style="list-style-type: none">RATING FOR 2X8 DIMENSIONAL LUMBER ASSEMBLY: 2018 IBC TABLE 721.1(3) #21-1.1 & AMERICAN WOOD COUNCIL'S DCA 4 (COMPONENT ADDITIVE METHOD FOR CALCULCULATING AND DEMONSTRATING ASSEMBLY FIRE RESISTANCE)STRUCTURAL SHALL SUPERCEDE IF STRUCT SHEATHING IS THICKER OR DIFFERENT TYPE THAN LISTED ABOVE. PROVIDE REQ MIN ABOVE.REFER TO IBC TABLE FOR SCREW PATTERN</div></div></div></div></div></div></div>

PRINTS ISSUED
11/01/2023 - CITY SUBMITTAL

REVISIONS:



ARCHITECTURE

INTERIOR DESIGN

ENGINEERING

PLANNING

1526 Grand Boulevard

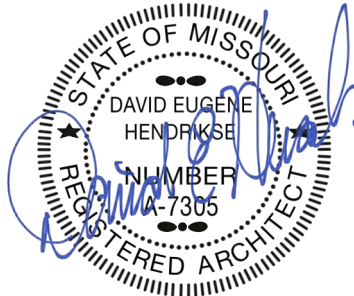
Kansas City, MO 64108-1404

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TOWNEPLACE SUITES

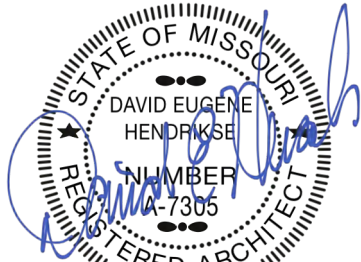
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
ASSEMBLIES - FLOOR/CEILING

PROJECT NUMBER: 23098

SHEET NUMBER:

G-103



UL Product iQ®



Design Systems Construction Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, systems, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by IRI for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer (noted for the design). Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire Resistance Ratings - ANSI/UL 263 Certified for United States
Design Systems and Alternate Materials

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Systems and Alternate Materials

Design No. L546

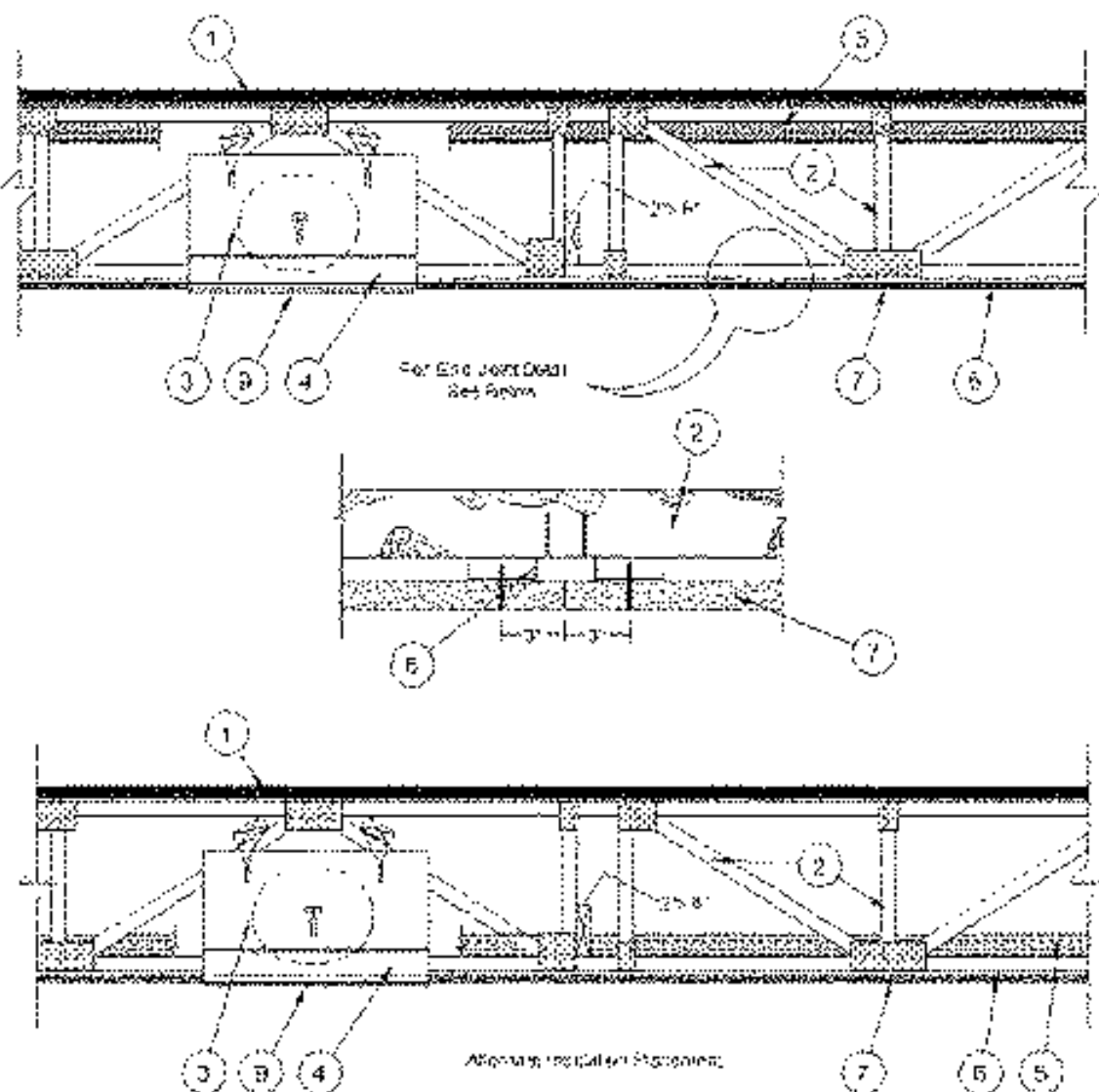
October 05, 2023

Unrestrained Assembly Rating — 1 Hr

Finish Rating — 24 or 25 Min (See Item 5)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Flooring System — The flooring system shall consist of one of the following:

System No. 1

Subflooring — Min 15/32 or 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to trusses with joints staggered.

Finish Flooring - Floor Topping Mixture* — Min 1 1/2 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

MAXXON CORP — Type Maxxone Unrestrained Joint Maxxone High Strength

Floor Mat Materials* — (Optional) — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.

MAXXON CORP — Type Encapsulated Sound Mat

Floor Mat Reinforcement — (Optional) Refer to manufacturer's instructions regarding minimum thickness of floor topping for use with floor mat reinforcement.

Metal Lath — (Optional) — 3/8 in. expanded galvanized steel diamond mesh, 3-4 sq/yd laid loose laid over the floor mat material.

Fiber Glass Reinforcement — (Optional) Not Covered - 6-015 in. thick PVC coated non-woven Rayglass mesh, 0.368 lb/sq yd loose laid over the floor mat material.

System No. 2

Subflooring — Min 1 by 6 in. 7 & 8 lumber laminated diagonally to joists, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to trusses with joints staggered.

Finish Floor — Mineral and Fiber Board* — Min 1/2 in. thick, purchased in sheets ranging from 3 ft by 4 ft to 6 ft by 12 ft. All joints to be staggered a min of 12 in. with adjacent walls floor joints.

HOMASOTE CO — Type 446-32 Mineral and Fiber Board

System No. 3

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to trusses with joints staggered.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 1 1/2 in. thickness of floor topping mixture having a min compressive strength of 1200 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 gpc through nozzle. Mixture shall consist of 1-4 cu ft of prepacked loose concrete to 3-4 lbs. type I Portland cement, 320 lbs of sand with 5- 1/2 gal of water.

ELASTIZELL CORP OF AMERICA — Type FT

System No. 4

Subflooring — Min 15/32 or 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to trusses with joints staggered.

Vapor Barrier — (Optional) Flom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

FORMULATED MATERIALS LLC — Type FRM 25, FR 30, and Soundx

Alternate Floor Mat Material* — (Optional) Floor mat material nominal 2 9/16 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.

FORMULATED MATERIALS LLC — Types M1, M2, M3, Floor, Duo, K1 and K2

System No. 5

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to trusses with joints staggered.

Floor Mat Materials* — (Optional) — Floor mat material nom 3/4 in. 2" over thick adhered to subfloor with Hacker Floor Primer. Primer to be applied on the surface of the mat prior to the placement of a min. 1-1 1/4 in. 32 mm of floor topping mixture.

HACKER INDUSTRIES INC — Type Hacker Sound-Mat

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 1 1/4 in. 2" over thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min. 1-1 1/4 in. 32 mm of floor topping mixture.

HACKER INDUSTRIES INC — Type Hacker Sound-Mat B

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 1 1/8 in. 3" over thick loose laid over the subfloor. Floor topping thickness shall be a min of 3/4 in. 113 mm.

HACKER INDUSTRIES INC — FRM-FR1 SCM 250

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 1 1/4 in. 3" over thick loose laid over the subfloor. Floor topping thickness shall be a min of 1 in. 25 mm.

HACKER INDUSTRIES INC — Type FRM-FR1 SCM 250, Quiet Quiet 55/25

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 3/8 in. 1 1/2 mm thick loose laid over the subfloor. Floor topping thickness shall be a min of 1 1/4 in. 30 mm.

HACKER INDUSTRIES INC — FRM-FR1 SCM 400, Quiet Quiet 40/40

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 3/8 in. 1 1/2 mm thick loose laid over the subfloor. Floor topping thickness shall be a min of 1 1/2 in. 38 mm.

HACKER INDUSTRIES INC — Type FRM-FR1 SCM 250, Quiet Quiet 65/25

Metal Lath — (Optional) — For use with 2 1/8 in. 51 mm dia. floor mat materials, 3-4 sq/yd expanded steel diamond mesh, 3-4 sq/yd placed over the floor mat material. Hacker Floor Primer to be applied prior to the placement of the metal lath. When metal lath is used floor topping thickness a min 1 1/4 in. over the floor mat.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1100 psi. Mixture shall consist of 4-8 gal of water to 80 lbs of floor topping mixture to 18 cu ft of sand.

HACKER INDUSTRIES INC — Item FR1 Gypsum Concrete, FRM-FR1 2010, FRM-FR1 3310, Item FR1 4010, Item FR1 4010 High Strength, Item Soundx

System No. 6

Subflooring — Min 15/32 or 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to trusses with joints staggered.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

ARCOSA SPECIALTY MATERIALS — Arcosure® 1 Types NewGen Green, Prime and ProFlow, Arcosulfa® 1, Arcosulfa® 1 Types G40, G50 and G500

Alternate Floor Mat Material* — (Optional) — Floor mat material nominal 2 1/2" over thick loose laid over the subfloor. Floor topping shall be a min of 3/4 in. or 1 in. thickness of floor topping for 19/32 or 15/32 in. thick wood structural panels respectively.

ARCOSA SPECIALTY MATERIALS — Arcosulfa® 1 Types D13, D 18, D35, D436, S4125, E41235, E41250, D47505, E47525, E47355, E47500 and D47505.

System No. 7

Subflooring — 15/32 or 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to trusses with joints staggered.

Vapor Barrier — (Optional) — Commercial asphalt saturated felt 0.030 in. thick.

Finish Flooring — Floor Topping Mixture* — Compressive strength to be 2100 psi min. Thickness to be 3/4 in. min for 19/32 in. thick wood structural panels or 1 in. min for 15/32 in. thick wood structural panels. Refer to manufacturer's instructions accompanying the material for specific mix design. Refer to the manufacturer's instructions accompanying the material and/or contact the manufacturer's technical support for specific mix design and minimum thickness recommended for use with eligible floor mats.

System No. 8

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to trusses with joints staggered.

Vapor Barrier — (Optional) — Nom 0.010 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

UNITED STATES GYPSUM CO — Types IRK, H518K, C50

USE MEXICO S A DE C V — Types IRE, H518K, C50

Floor Mat Materials* — (Optional) — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.

UNITED STATES GYPSUM CO — Types S44 LEVULOCK® Sound Sound Reducer, Foam LEVULOCK® Bond Floor Underlayment S44-25

Alternate Floor Mat Materials — (Optional) — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding minimum thickness of floor topping over floor mat.

GRASSWORK L L C — 2C Types

System No. 9

Subflooring — Min 23/32 in. thick 1x6 wood structural panels, min grade "Underlayment" or "Single-Flour". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with joints staggered 4 ft. Panels secured to trusses with construction adhesive and 30-32 in. spaced nails nails spaced 12 in. OC along each joist. Staples facing square of quarter subfloor and lateral resistance strength may be substituted for the 40 ft nail.

Gypsum Board* — One layer of nom 5/8 in. thick 4 ft wide gypsum board, installed with long dimension perpendicular to truss. Gypsum board secured with 1 in. long 16 in. Type W high head steel screws spaced 15 in. OC and located a min of 1 1/2 in. from side and end joints. The joints of the gypsum board are to be staggered a minimum of 12 inches from the joints of the subfloor.

GEORGIA-PACIFIC GYPSUM L L C — Type D5

Floor Mat Materials* — (As an alternate to the single layer gypsum board) — Floor mat material loose laid over the subfloor.

MAXXON CORP — Type Encapsulated Sound Mat

Gypsum Board* — (For use when floor mat is used) Two layers of nom 5/8 in. thick 4 ft wide gypsum board, installed with long dimension perpendicular to joists on top of the floor mat material. Gypsum board secured to each other with 1 in. long 16 in. Type W high head steel screws spaced 12 in. OC and located a min of 1 1/2 in. from side and end joints. The joints of the gypsum board are to be staggered a minimum of 12 inches in between layers and from the joints of the subfloor.

GEORGIA-PACIFIC GYPSUM L L C — Type D5

System No. 10

Subflooring — Min 15/32 or 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to trusses with joints staggered.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.


DEPENDABLE LLC — GSI M3-4, GSI M3-6, GSI M3-8, GSI M3-10, GSI M3-12, GSI M3-14, GSI M3-16, GSI M3-18, GSI M3-20, GSI M3-22, GSI M3-24, GSI M3-26, GSI M3-28, GSI M3-30, GSI M3-32, GSI M3-34, GSI M3-36, GSI M3-38, GSI M3-40, GSI M3-42, GSI M3-44, GSI M3-46, GSI M3-48, GSI M3-50, GSI M3-52, GSI M3-54, GSI M3-56, GSI M3-58, GSI M3-60, GSI M3-62, GSI M3-64, GSI M3-66, GSI M3-68, GSI M3-70, GSI M3-72, GSI M3-74, GSI M3-76, GSI M3-78, GSI M3-80, GSI M3-82, GSI M3-84, GSI M3-86, GSI M3-88, GSI M3-90, GSI M3-92, GSI M3-94, GSI M3-96, GSI M3-98, GSI M3-100, GSI M3-102, GSI M3-104, GSI M3-106, GSI M3-108, GSI M3-110, GSI M3-112, GSI M3-114, GSI M3-116, GSI M3-118, GSI M3-120, GSI M3-122, GSI M3-124, GSI M3-126, GSI M3-128, GSI M3-130, GSI M3-132, GSI M3-134, GSI M3-136, GSI M3-138, GSI M3-140, GSI M3-142, GSI M3-144, GSI M3-146, GSI M3-148, GSI M3-150, GSI M3-152, GSI M3-154, GSI M3-156, GSI M3-158, GSI M3-160, GSI M3-162, GSI M3-164, GSI M3-166, GSI M3-168, GSI M3-170, GSI M3-172, GSI M3-174, GSI M3-176, GSI M3-178, GSI M3-180, GSI M3-182, GSI M3-184, GSI M3-186, GSI M3-188, GSI M3-190, GSI M3-192, GSI M3-194, GSI M3-196, GSI M3-198, GSI M3-200, GSI M3-202, GSI M3-204, GSI M3-206, GSI M3-208, GSI M3-210, GSI M3-212, GSI M3-214, GSI M3-216, GSI M3-218, GSI M3-220, GSI M3-222, GSI M3-224, GSI M3-226, GSI M3-228, GSI M3-230, GSI M3-232, GSI M3-234, GSI M3-236, GSI M3-238, GSI M3-240, GSI M3-242, GSI M3-244, GSI M3-246, GSI M3-248, GSI M3-250, GSI M3-252, GSI M3-254, GSI M3-256, GSI M3-258, GSI M3-260, GSI M3-262, GSI M3-264, GSI M3-266, GSI M3-268, GSI M3-270, GSI M3-272, GSI M3-274, GSI M3-276, GSI M3-278, GSI M3-280, GSI M3-282, GSI M3-284, GSI M3-286, GSI M3-288, GSI M3-290, GSI M3-292, GSI M3-294, GSI M3-296, GSI M3-298, GSI M3-300, GSI M3-302, GSI M3-304, GSI M3-306, GSI M3-308, GSI M3-310, GSI M3-312, GSI M3-314, GSI M3-316, GSI M3-318, GSI M3-320, GSI M3-322, GSI M3-324, GSI M3-326, GSI M3-328, GSI M3-330, GSI M3-332, GSI M3-334, GSI M3-336, GSI M3-338, GSI M3-340, GSI 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M3-1006, GSI M3-1008, GSI M3-1010, GSI M3-1012, GSI M3-1014, GSI M3-1016, GSI M3-1018, GSI M3-1020, GSI M3-1022, GSI M3-1024, GSI M3-1026, GSI M3-1028, GSI M3-1030, GSI M3-1032, GSI M3-1034, GSI M3-1036, GSI M3-1038, GSI M3-1040, GSI M3-1042, GSI M3-1044, GSI M3-1046, GSI M3-1048, GSI M3-1050, GSI M3-1052, GSI M3-1054, GSI M3-1056, GSI M3-1058, GSI M3-1060, GSI M3-1062, GSI M3-1064, GSI M3-1066, GSI M3-1068, GSI M3-1070, GSI M3-1072, GSI M3-1074, GSI M3-1076, GSI M3-1078, GSI M3-1080, GSI M3-1082, GSI M3-1084, GSI M3-1086, GSI M3-1088, GSI M3-1090, GSI M3-1092, GSI M3-1094, GSI M3



TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

<p>48. Alternate Ceiling Damper* — (Optional. To be used with Air Duct Item 3) For use with min 18 in. deep trusses. Max min 11-1/8 in. long by 13-5/8 in. wide. Fabricated from galvanized steel installed in accordance with the instructions provided by the manufacturer. Max damper openings not to exceed 7/6 in. in. per 100 sq ft of ceiling area.</p> <p>GREENHECK FAN CORP. — Model CDBT-210WT</p>	<p>49. Damper* — (Optional. To be used with Air Duct Item 3) For use with min 18 in. deep trusses. Max min 12 3/8 in. long by 14 1/2 in. wide fabricated from galvanized steel installed in accordance with the instructions provided by the manufacturer. Max damper openings not to exceed 90 sq in. per 100 sq ft of ceiling area.</p> <p>GREENHECK FAN CORP. — Model CDBT-30WT</p>	<p>49. Alternate Ceiling Damper* — (Optional. To be used with Air Duct Item 3) For use with min 18 in. deep trusses. Max min 12 in. diameter damper with max 15 in. by 15 in. register box with max 12 in. by 12 in. register opening fabricated from galvanized steel. Aggregate area of the register opening(s) through the ceiling membrane shall not exceed 72 sq. in. per 100 sq. ft. of ceiling area.</p> <p>DAVID HENRIKSEN — Model CDBT-30</p>	<p>49. Alternate Ceiling Damper* — (Optional. To be used with Air Duct Item 3) For use with min 18 in. deep trusses. Max min 20 in. long by 15 in. wide by 2-1/8 in. high, fabricated from galvanized steel. Maximum min 21 in. long by 15 in. wide by 16 in. high fabricated from galvanized steel or listed air duct materials bearing the UL Class 0 or Class 1 label as duct material, installed in accordance with the instructions provided by the manufacturer. Max damper openings not to exceed 180 sq. in. per 100 sq ft of ceiling area.</p> <p>NAHLOR INDUSTRIES INC. — Types 075A, 075AA, 075B, 075B1, 075T, 075T1, 075T2, 075T3, 075T4, 075T5, 075T6, 075T7, 075T8, 075T9, 075T10, 075T11, 075T12, 075T13, 075T14, 075T15, 075T16, 075T17, 075T18, 075T19, 075T20, 075T21, 075T22, 075T23, 075T24, 075T25, 075T26, 075T27, 075T28, 075T29, 075T30, 075T31, 075T32, 075T33, 075T34, 075T35, 075T36, 075T37, 075T38, 075T39, 075T40, 075T41, 075T42, 075T43, 075T44, 075T45, 075T46, 075T47, 075T48, 075T49, 075T50, 075T51, 075T52, 075T53, 075T54, 075T55, 075T56, 075T57, 075T58, 075T59, 075T60, 075T61, 075T62, 075T63, 075T64, 075T65, 075T66, 075T67, 075T68, 075T69, 075T70, 075T71, 075T72, 075T73, 075T74, 075T75, 075T76, 075T77, 075T78, 075T79, 075T80, 075T81, 075T82, 075T83, 075T84, 075T85, 075T86, 075T87, 075T88, 075T89, 075T90, 075T91, 075T92, 075T93, 075T94, 075T95, 075T96, 075T97, 075T98, 075T99, 075T100, 075T101, 075T102, 075T103, 075T104, 075T105, 075T106, 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 **rosemann
& ASSOCIATES** P.C.

ARCHITECTURE
INTERIOR DESIGN
ENGINEERING
PLANNING

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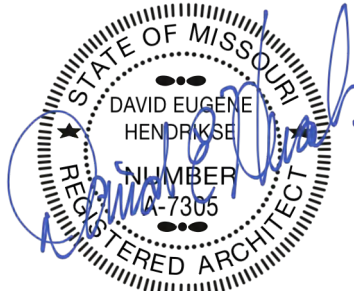
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TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
UL ASSEMBLIES - U341

PROJECT NUMBER: 23098

SHEET NUMBER:

G-208

UL Product iQ®



Design Systems Construction Assembly Usage Disclaimer

- **Authorizer:** Having jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, systems, devices, and materials.
- **Authorizer:** Having jurisdiction should be consulted before construction.
- **Fire resistance assemblies and products** are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- **When field issues arise,** it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- **Only products which bear UL's Mark** are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

[View General Information for Fire Resistance Ratings - ANSI/UL 263 Certified for United States](#)

[View Subcode and Assembly Details](#)

[View General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada](#)

[View Subcode and Assembly Details](#)

Design No. U341

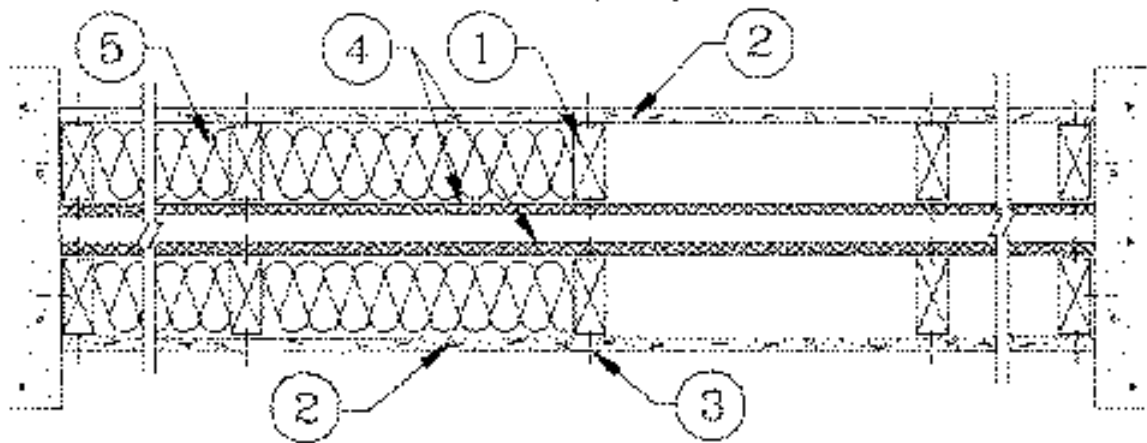
August 4, 2023

Bearing Wall Rating — 1 Hr.

Finish Rating — Min 20 min.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



HORIZONTAL SECTION

1. **Wood Studs** — Nom 2 by 4 in., spaced 24 in. OC max. Cross braced at mid-height and effectively firestopped at top and bottom of wall. No min. air space between stud rows except to accommodate attachment of sheathing, where required. See items 4 and 5.

2. **Gypsum Board*** — Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. L501, G512 or U305. Nom 5/8 in. thick 4 ft wide Gypsum board applied horizontally or vertically, unless specified below, and nailed to studs and bearing plates 7 in. OC with 6d cement-coated nails, 1-7/8 in. long, 0.0015 in. shank diam and 1/4 in. diam head. As an alternate, No. 6 bugle head drywall screws, 1-7/8 in. long, may be substituted for the 6d cement-coated nails.

When Steel Framing Members* (Item 6 or any alternate clips) are used, wallboard attached to furring channels with 1 in. long Type 5 double-head steel screws spaced 12 in. OC.

When used in widths other than 48 in., gypsum board to be installed horizontally.

AMERICAN GYPSUM CO [View Classification](#) — CENX R36048

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO [View Classification](#) — CENX R31414

CAROT MANUFACTURING ULC [View Classification](#) — CENX R25240

CERTAINTED GYPSUM INC [View Classification](#) — CENX R3660

GOC INC [View Classification](#) — CENX R19151

CERTAINTED GYPSUM INC [View Classification](#) — CENX R18402

GEORGIA-PACIFIC GYPSUM L L C [View Classification](#) — CENX R37117

NATIONAL GYPSUM CO [View Classification](#) — CENX R3401

PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM [View Classification](#) — CENX R30104

PANEL REY S A [View Classification](#) — CENX R21796

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD [View Classification](#) — CENX R36262

THAI GYPSUM PRODUCTS PCL [View Classification](#) — CENX R27517

UNITED STATES GYPSUM CO [View Classification](#) — CENX R1319

USG BORAL DRYWALL SFZ LLC [View Classification](#) — CENX R34448

USG BORAL DRYWALL SFZ LLC [View Classification](#) — CENX R34448

USG MEXICO S A DE C V [View Classification](#) — CENX R36048

2A. **Gypsum Board*** — (As an alternate to Item 2, not shown) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type 5 screws spaced 12 in. OC at perimeter of panels and 8 in. OC in the field. Horizontal joints at vertically applied panels need not be backed by studs. Panel joints covered with paper tape and two layers of joint compound. Seams covered with two layers of joint compound. Batts and Blankets placed in stud cavity as described in Item 5C. Not evaluated for use with Steel Framing Members, Furring Channels or Fiber, Sprayed.

PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM — Type Gypsum QR-530 drywall nailing 23 min.

2B. **Gypsum Board*** — (As an alternate to Item 2, not shown) — Any 5/8 in. thick gypsum panels that are eligible for use in Design Nos. L501, G512 or U305, supplied by the Classified companies listed below shown in the **Gypsum Board*** (CENX) category. Applied horizontally or vertically and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum board to be installed horizontally.

UNITED STATES GYPSUM CO

USG BORAL DRYWALL SFZ LLC

USG MEXICO S A DE C V

2C. **Gypsum Board*** — (As an alternate to Item 2, Not Shown) — 5/8 in. thick gypsum panels applied horizontally or vertically and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum board to be installed horizontally.

AMERICAN GYPSUM CO — Type AGX-1 M-Glass AG-C, 1 QHRC

CERTAINTED GYPSUM INC — Type C or Type X-1

NATIONAL GYPSUM CO — Type FSW, Type FSK-G, Type FSW, Type FSW-3, Type FSW-5, Type FSW-G, Type FSK-C, Type FSW-C, Type FSKR-C, Type FSW-6, Type FSK

THAI GYPSUM PRODUCTS PCL — Type C or Type X

2D. **Gypsum Board*** — (As an alternate to Items 2, 2A, 2B and 2C) — 5/8 in. thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last 2 screws 1 and 6 in. from edge of board or nailed as described in Item 2. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.

GEORGIA-PACIFIC GYPSUM L L C — Gypsum Type-X, Type DSG

2E. **Gypsum Board*** — (As an alternate to Items 2 through 2D) — 5/8 in. thick, 4 ft wide, paper surfaced applied vertically only and secured as described in Item 2.

GEORGIA-PACIFIC GYPSUM L L C — Type X Sound/Impact Sound Deadening Gypsum Board.

2F. **Gypsum Board*** — (As an alternate to Items 2 through 2E) — Installed as described in Item 2, 5/8 in. thick, 4 ft wide, paper surfaced applied vertically only and fastened to the studs and plates with 6d cement-coated nails 1-7/8 in. long, 0.0015 in. shank diam and 1/4 in. diam heads, 7 in. OC. Not for use with Item 6G.

NATIONAL GYPSUM CO — Type SRVB

2G. **Gypsum Board*** — (As an alternate to Items 2 through 2F) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 2.

PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM — Type QuietRock ES

2H. **Gypsum Board*** — (As an alternate to Items 2 through 2G) — Installed as described in Item 2, 5/8 in. thick, 4 ft wide, paper surfaced, applied vertically or horizontally fastened to the studs and plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 12 in. OC.

CERTAINTED GYPSUM INC — Type SilentX

2I. **Wall and Partition Facings and Accessories*** — (As an alternate to Items 2 through 2H) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 2.

PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM — Type QuietRock 127

2J. **Gypsum Board*** — (As an alternate to 5/8 in. Type FSW in Item 2) — 2 layers, min. 5/8 in. thick gypsum panels applied vertically or horizontally. Horizontal joints on the same side need not be staggered; outer layer attached with fasteners, as described in Item 2, spaced 24 in. OC. Outer layer attached per Item 2.

NATIONAL GYPSUM CO — Type FSW

2K. **Gypsum Board*** — (As an alternate to Item 2) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced at a maximum 24 in. OC with the last two screws 4 and 1 in. from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.

CERTAINTED GYPSUM INC — Type iSGC64 double nailing 21 min; Type iSGC72A, Type iSGT, C/A, Type iSGC Web, Type iSG1X

3. **Joints and Nailheads** — Gypsum board joints of outer layer covered with tape and joint compound, nail heads of outer layer covered with joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer board with joints reinforced with paper tape.

4. **Sheathing** — (Optional, Not Shown) — Gypsum may be sheathed with min. 7/16 in. thick wood structural panels min grade "C-1" or "Sheathing" or min 1/2 in. thick Mineral and Fiber Boards.

See Mineral and Fiber Boards (FIB) category for names of Classified companies.

5. **Batts and Blankets*** — 3-1/2 in. max thickness glass or mineral fiber batt insulation, **Optional** when sheathing Item 4; is used on both halves of wall.

See Batts and Blankets (B22) category for list of Classified companies.

5A. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 5) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product.

Applegate GreenFiber Acquisition LLC — Insulover and SANICURRY for use with wet or dry application. iSGS150D and iSGS410D are to be used for dry application only.

5B. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 5) when Sheathing (Item 4) is used on both halves of wall — Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NU-WOOL CO INC — Cellulose Insulation

5C. **Batts and Blankets*** — (Required for use with Wall and Partition Facings and Accessories, Item 2A. Use of Sheathing, Item 4, does not modify requirements of Item 5C for use with Item 2A) — Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction fitted to completely fill the stud cavities. See Batts and Blankets Category (B22) for names of manufacturers.

5D. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 5) and Item 5A when Sheathing (Item 4) is used on both halves of wall — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lb/ft³.

THE INTERNATIONAL CELLULOSE CORP — Celulose

5E. Deleted.

6. **Steel Framing Members*** — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

A. **Furring Channels** — Formed of No. 25 MSG galv steel 2-3/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 AWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

B. **Steel Framing Members*** — Used to attach furring channels (Item 6) to studs (Item 7). Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

RSDC-1 clip for use with 2-3/16 in. wide furring channels.

PAC INTERNATIONAL L L C — Types RSC-1, RSC-1 Q273

6A. **Steel Framing Members*** — (Optional, Not Shown. As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:

A. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-3/16 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 AWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

B. **Steel Framing Members*** — Used to attach furring channels (Item 6) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

PLITEQ INC — Type Genie Clip

6B. **Steel Framing Members*** — (Optional, Not Shown. As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:

A. **Furring Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC, perpendicular to studs. Channels secured to studs as described in Item 6B. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 2.

B. **Steel Framing Members*** — Used to attach furring channels (Item 6B) to studs. Clips spaced 48 in. OC, and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.

STUDIO BUILDING SYSTEMS — RESERMODITY Sound Isolation Clips - Type A237B

6C. **Steel Framing Members*** — (Optional, Not Shown. As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:

A. **Furring Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC, perpendicular to studs. Channels secured to studs as described in Item 6C. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 2.

B. **Steel Framing Members*** — Used to attach resilient channels (Item 6C) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

REPAIR AMERICA — Type SoundClip

6D. **Steel Framing Members*** — (Optional, Not Shown. As an alternate to Item 6) — Resilient channels and Steel Framing Members as described below:

A. **Resilient Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item 6D. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 x 1-1/2 in. Phillips Modified Trust screws spaced 1-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 2.

B. **Steel Framing Members*** — Used to attach resilient channels (Item 6D) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured in clips with one No. 10 x 1-1/2 in. pan-head self-drilling screws.

REPAIR BUILDING PRODUCTS CO INC — Type RC-1 Assurance Clip

6E. **Steel Framing Members*** — (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below:

A. **Resilient Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item 6E. Gypsum board attached to resilient channels as described in Item 2.

B. **Steel Framing Members*** — Used to attach resilient channels to wall studs. A resilient sound isolation accessory shall be used at each attachment point of the resilient channels to the studs. Channel ends cutted and centered under the structural members and attached with one accessory at each end. Additional accessories used to hold resilient channels that support the gypsum board and joints. The accessory encloses the receiving edge of the resilient channel. The accessory and resilient channel are fastened to the studs with the screws supplied with the accessory and per the accessory manufacturer's installation instructions.

PAC INTERNATIONAL L L C — Type RC-1 Bousr

6F. **Steel Framing Members*** — (Optional, Not Shown. As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:

A. **Furring Channels** — Formed of No. 25 MSG galv steel, 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 AWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

board attached to furring channels as described in Item 2.

B. **Steel Framing Members*** — Used to attach furring channels (Item 6F) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

CLARKDIEBICH BUILDING SYSTEMS — Type ClarkDiebich Sound Clip

7. **Wall and Partition Facings and Accessories*** — (Optional, Not shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-520 or QR-130 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layers have to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layers of UL Classified Gypsum Board.

PARCO BUILDING PRODUCTS L L C, DBA PARCO GYPSUM — Type QuietRock QR-520 and QR-510

8. **Mineral and Fiber Board*** — (Optional, Not Shown) — For optional use as an additional layer on one or both sides of wall. Nom 1/2 in. thick 4 ft wide with long dimension parallel and centered over studs. Attached to framing as described in Item 2. The required UL Classified gypsum board layer(s) have to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

HOMASOTE CO — Homasote Type 449-12

9. **Non-Bearing Wall Partition Intersection** — (Optional) — Two nominal 2 by 4 in. stud or nominal 2 by 6 in. stud nailed together with two 3in long 10d nails spaced a max 16 in. OC, vertically and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max 16 in. OC, vertically. Intersection between partition wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed by with a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

(Optional, Not Shown) Alternate Construction for Use On One Side Of The Wall.

10. **Mineral and Fiber Board*** — For use with Items 10A-10D) — Nom 1/2 in. thick 4 ft wide with long dimension parallel and centered over studs. Attached to framing with minimum 1-3/8 in. long ring shank nails or 1-1/4 in. long Type W steel screws, spaced 12 in. OC along board edges and 24 in. OC in field of board along intermediate framing. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

HOMASOTE CO — Homasote Type 449-32

10A. **Glass Fiber Insulation** — (For use with Item 10) — 3-1/2 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning Area/for Fire Resistance, placed to fill the interior of the wall. See Batts and Blankets (B22) or B27) categories for names of Classified companies.

10B. **Batts and Blankets*** — (As an alternate to Item 10B, for use with Item 10). 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 3-1/2 in. face of the studs with staples spaced 24 in. OC.

THERMAFIBER INC — Type SAFR 5A3B 11

10C. **Adhesive** — (For use with Item 10) — Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 10A).

10D. **Gypsum Board*** — For use with Item 10C — 5/8 in. thick 4 ft wide, applied vertically over Mineral and Fiber Board (Item 10A) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type C Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 10). Secured to outermost studs and bearing plates with 2 in. long Type 5 screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound. Finish Rating 30 min.

AMERICAN GYPSUM CO — Type AG-C

CERTAINTED GYPSUM INC — Type C

CERTAINTED GYPSUM INC — Type iSGC C/A

GEORGIA-PACIFIC GYPSUM L L C — Types S, PARC, X-C

UL Product iQ®



Design/Systems/Construction/Assembly Usage Descriptions

- Available: Having jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, systems, devices, and materials.
- Authorized: Having jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified

BCULV - Fire Resistance Railways - ANSI/UL 263 Certified for United States

BCULV7 - Fire Resistance Railways - CAN/ULC-5101 Certified for Canada

See General Information for the Fire Resistance Railways - ANSI/UL 263 Certified for United States

See General Information for the Fire Resistance Railways - ANSI/UL 263 Certified for United States

See General Information for the Fire Resistance Railways - ANSI/UL 263 Certified for United States

See General Information for the Fire Resistance Railways - ANSI/UL 263 Certified for United States

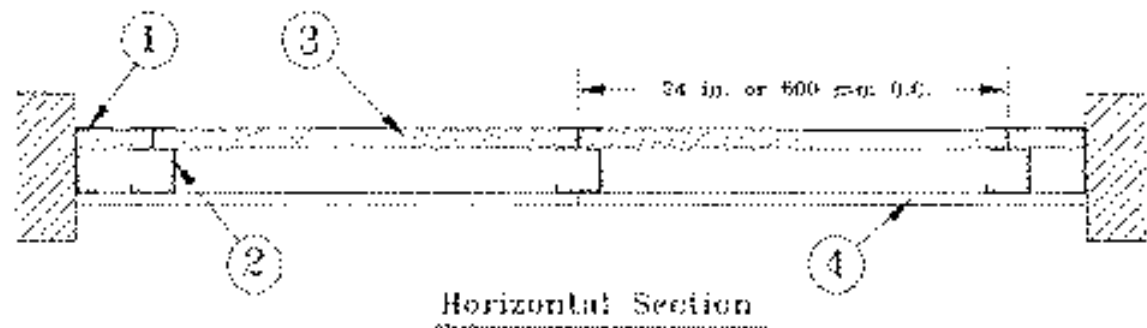
Design No. U415

February 14, 2022

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr.

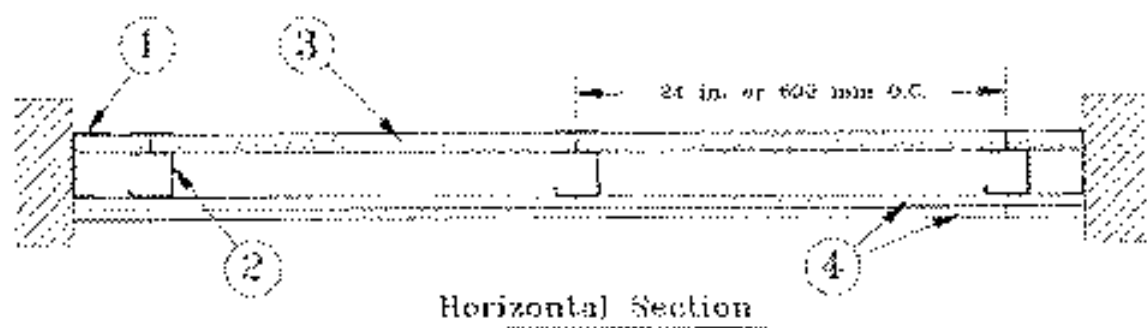
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

System A — 1 Hr.



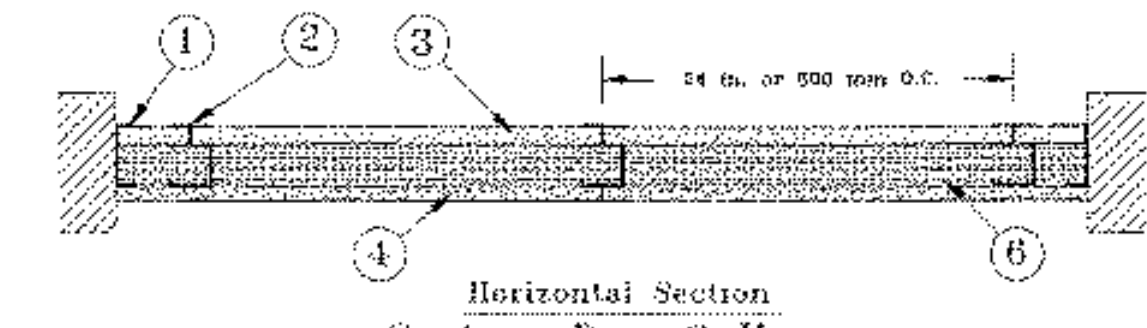
Horizontal Section

System B — 2 Hr.



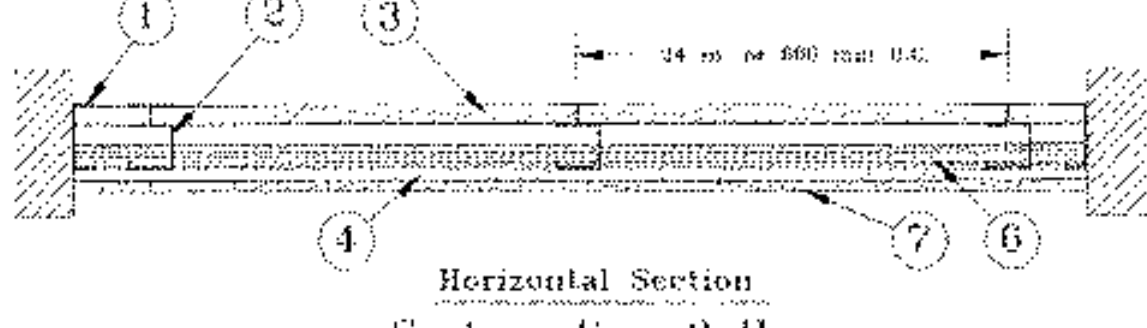
Horizontal Section

System C — 2 Hr.



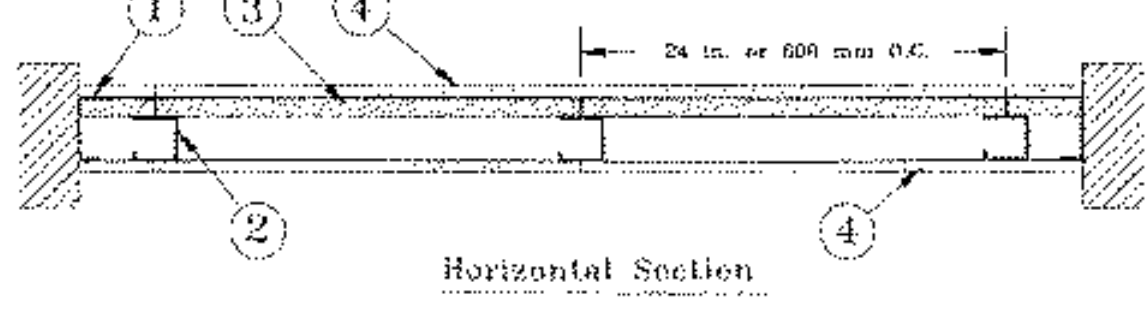
Horizontal Section

System D — 2 Hr.



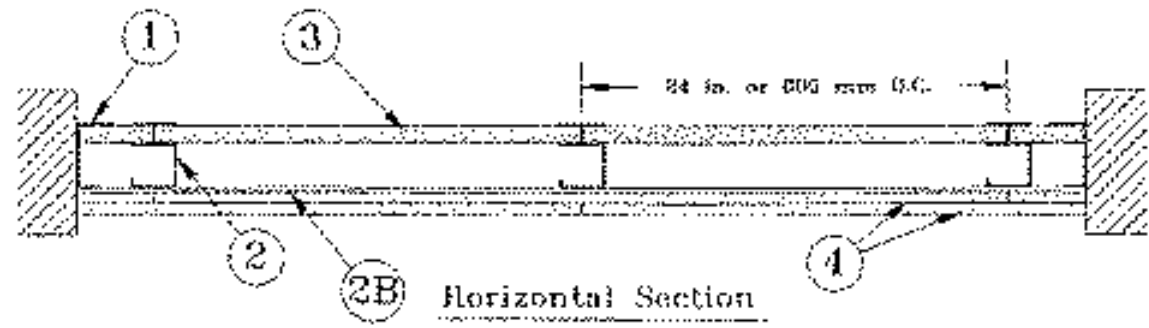
Horizontal Section

System E — 2 Hr.



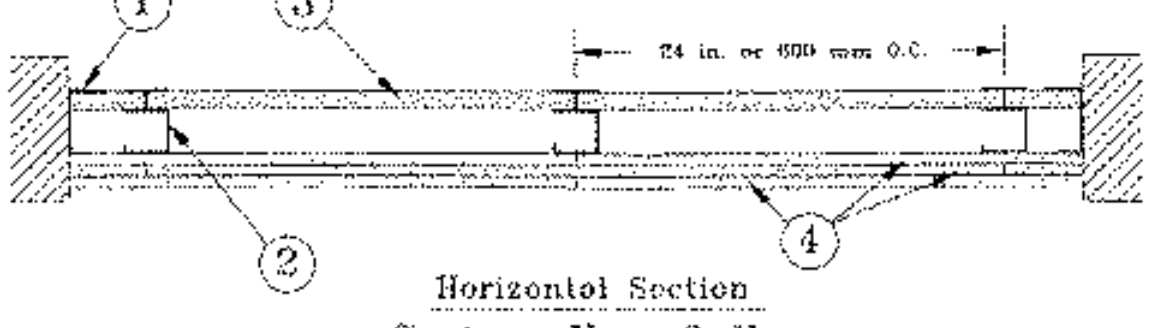
Horizontal Section

System F — 2 Hr.



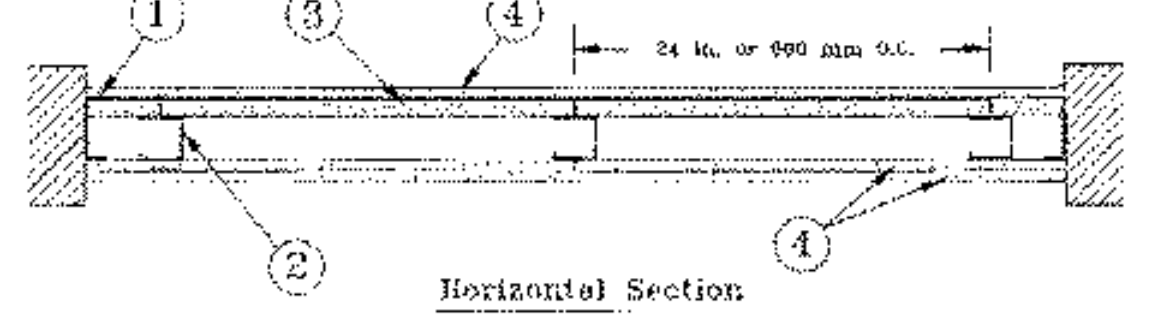
Horizontal Section

System G — 3 Hr.



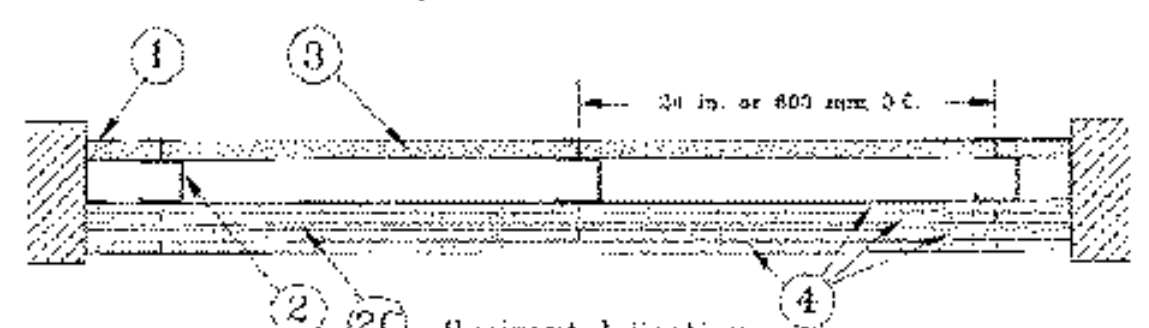
Horizontal Section

System H — 3 Hr.



Horizontal Section

System I — 4 Hr.



Horizontal Section

1 Floor, Side and Ceiling Runners — "F" shaped runner min 2 1/2 in. deep from 4 in. deep when System C is used with unequal legs of 1 in. and 2 in. fabricated from min. 24 MSG min. 20 MSG when from 4A, 4B, 4C, 4D or 7 in. used; galv. steel. Runners fabricated with short leg toward finished side of wall. Runners attached to structural supports with steel ladders. Ladders not greater than 2 in. from ends and not greater than 24 in. OC. "F" shaped studs from 2A1 may be used as side runners in place of "F" shaped runners.

2 Steel Studs — "C" shaped studs min. 2 1/2 in. deep from 4 in. deep when System C is used; fabricated from min. 25 MSG min. 20 MSG

when from 2D, 4A, 4B, 4C, 4D or 7 in. used; galv. steel. Cut to lengths 5/8 to 1 1/2 in. less than floor-to-ceiling height and spaced 24 in. or 600 mm. OC max. 16 in. OC when from 4A, 4B, 4C, 4D or 7 in. used.

2A Steel Studs — (Not Shown) — "F" shaped studs installed back to back in place of "C" shaped studs. Item 2B "F" shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min. 25 MSG min. 20 MSG when from 2D, 4A, 4B or 7 in. used; galv. steel. min 2 1/2 in. deep when System C is used; with one leg 1 in. long and two legs 3/4 in. long. Longer legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 to 1 1/2 in. less than floor-to-ceiling height.

2B Furring Channels — (Optional, Not Shown) — For use with single or double layer systems. Resilient furring channels fabricated from min. 24 MSG composite protected steel installed horizontally and spaced vertically a max. 24 in. OC. Flange portion of channel attached to each supporting "C" shaped stud on side of stud opposite the 1 in. from panels with 1/2 in. long hysc S or S-12 pan-head steel screws. When furring channels are used, wallboard to be installed vertically only. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A, 4D), or cementitious backer units (Item 7).

2C Furring Channels — For use with System 1 "flat" shaped, 25 MSG galv. steel furring channels attached directly over the inner layers of wallboard to each stud with 2 in. long Type S pan-head steel screws. Screws alternate from top flange to bottom flange at each stud intersection. Furring channels spaced vertically max 24 in. OC.

2D Steel Framing Members* — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a Furring Channels — Formed of No. 25 MSG galv. steel, 2 9/16 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 2. Gypsum board installed vertically only and attached to furring channels as described in Item 4.

b Steel Framing Members* — Used to attach furring channels (Item 2B) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC, and secured to studs with No. 8 x 1 1/2 in. coarse thread screw through the center hole. Furring channels are friction fitted into clips. RISC-1 clip for use with 2 9/16 in. wide furring channels; RISC-1 (2) clip for use with 2 25/32 in. wide furring channels.

PAC INTERNATIONAL LLC — Type RSC-1, RSC-1 (2) (A)

2E Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a Furring Channels — Formed of No. 25 MSG galv. steel, 2 9/16 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 2. Gypsum board installed vertically only and attached to furring channels as described in Item 4.

b Steel Framing Members* — Used to attach furring channels (Item 2B) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC, and secured to studs with 2 in. coarse drywall screw with 1 in. diam. washer through the center hole. Furring channels are friction fitted into clips.

STUCCO BUILDING SYSTEMS — RSCB (MCM) Sound Insulation Clip — Type A2378

2F Steel Framing Members* — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a Furring Channels — Formed of No. 25 MSG galv. steel, 2 3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 2. Gypsum board installed vertically only and attached to furring channels as described in Item 4.

b Steel Framing Members* — Used to attach furring channels (Item 2B) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC. GEN-CLIPS secured to studs with No. 8 x 1 1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

PUTRO INC — Type GEN-CLIP

2G Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a Furring Channels — Formed of No. 25 MSG galv. steel, 2 3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 2G. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 16 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.

b Steel Framing Members* — Used to attach furring channels (Item 2B) to studs. Clips spaced 24 in. OC, and secured to studs with No. 8 x

2 1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

REGULUS AMERICA — Type SerranClip

2H Steel Framing Members* — (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a Resilient Channels — Formed of No. 25 MSG galv. steel, 2 23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 2. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1 1/2 in. Phibs Modified Truss screws spaced 2 1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4.

b Steel Framing Members* — Used to attach resilient channels (Item 2H) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2 1/2 in. coarse thread screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1 1/2 in. pan-head self-drilling screw.

KEENE BUILDING PRODUCTS CO INC — Type RC — Assurance Clip

2I Steel Framing Members* — (Optional, Not Shown) — For use with single or double layer systems. Furring channels and Steel Framing Members as described below. Not to be used with Type FRX-G gypsum board, lead backed gypsum boards (Items 4A-4D), or cementitious backer units (Item 7).

a Furring Channels — Formed of No. 25 MSG galv. steel, 2 23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 2. Gypsum board installed vertically only and attached to furring channels as described in Item 4.

b Steel Framing Members* — Used to attach furring channels (Item 2I) to studs (Item 2 or 2A). Clips spaced max. 24 in. OC, and secured to studs with No. 8 x 1 1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

CLARKDIERICH BUILDING SYSTEMS — Type UL64Deltech Sound Clip

3 Gypsum Board* — Gypsum liner panels, min 1 in. thick, 24 in. or 600 mm (for metric spacing) wide. Panels cut 1 in. less or length than floor-to-ceiling height. Vertical edges tapered 1" portion of "C" shaped studs in the gap between the two 3/4 in. legs of the "C" shaped stud. Free edge of end panels attached to long leg of vertical "F" runners with 1 5/8 in. long Type S steel screws spaced not greater than 12 in. OC. When wall height exceeds floor panel length, liner panel may be butted to extend to the full height of the wall. Horizontal joints need not be backed by steel framing. In System I, butt joints in liner panels are staggered min 36 in. Butt joints backed with 6 in. by 22 in. strips of 3/4 in. thick gypsum wallboard (Item 4). Wallboard strips centered over butt joints and secured to liner panels with six 1 1/2 in. long Type G steel screws, three screws along the 22 in. dimension at the top and bottom of the strips.

CGC INC — Type S18

UNITED STATES GYPSUM CO — Type S18

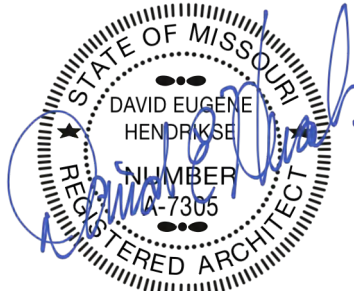
USG BORAL DRYWALL SFZ LLC — Type S18

USG MEXICO S A DE C V — Type S18

4 Gypsum Board* —

Gypsum panels, with beveled square or tapered edges, min. 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 24 in. when installed vertically or 16 in. OC when installed horizontally. Horizontal joints need not be backed by steel framing.

CGC INC — Types AR, C, IP AR, IP X1, IP X2, IP X3, IP X4, IP X5, IP X6, IP X7, IP X8, IP X9, IP X10, IP X11, IP X12, IP X13, IP X14, IP X15, IP X16, IP X17, IP X18, IP X19, IP X20, IP X21, IP X22, IP X23, IP X24, IP X25, IP X26, IP X27, IP X28, IP X29, IP X30, IP X31, IP X32, IP X33, IP X34, IP X35, IP X36, IP X37, IP X38, IP X39, IP X40, IP X41, IP X42, IP X43, IP X44, IP X45, IP X46, IP X47, IP X48, IP X49, IP X50, IP X51, IP X52, IP X53, IP X54, IP X55, IP X56, IP X57, IP X58, IP X59, IP X60, IP X61, IP X62, IP X63, IP X64, IP X65, IP X66, IP X67, IP X68, IP X69, IP X70, IP X71, IP X72, IP X73, IP X74, IP X75, IP X76, IP X77, IP X78, IP X79, IP X80, IP X81, IP X82, IP X83, IP X84, IP X85, IP X86, IP X87, IP X88, IP X89, IP X90, IP X91, IP X92, IP X93, IP X94, IP X95, IP X96, IP X97, IP X98, IP X99, IP X100, IP X101, IP X102, IP X103, IP X104, IP X105, IP X106, IP X107, IP X108, IP X109, IP X110, IP X111, IP X112, IP X113, IP X114, IP X115, IP X116, IP X117, IP X118, IP X119, IP 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6. Batts and Blankets* —

Systems A, B, E, F, G, H, I

Optional: Mineral wool or glass fiber batts, partially or completely filling stud cavity. Any mineral wool or glass fiber batt material bearing the UL Classification Marking as to Fire Resistance.

Systems C & D

Min 1 in. (System C) and min 1-1/2 in. (System D) thick mineral wool batts, fibers filled between the studs and floor and ceiling runners.

ROCKWOOL® — Type A&B, min. density 1.0 pcf / 28 kg/m³

THERMAFIBER INC. — Type S&R, S&R 1F

7. Cementitious Backer Units* — (System C) — Nom 1/2 or 5/8 in. thick panels, square edge, attached to studs over gypsum wallboard with 1 5/8 in. long, Type S-12, corrosion resistant steel screws spaced 8 in. OC and staggered 5 in. from gypsum wallboard joints. Joints covered with glass fiber mesh tape. Vertical joints staggered one stud cavity from gypsum wallboard joints. Horizontal joints staggered a min of 12 in. from the gypsum wallboard joints.

UNITED STATES GYPSUM CO. — Type DCE

8. Laminating Adhesive* — (Optional, Not Shown) — Used to bond outer layer of Cementitious Backer Units from 7) to inner layers of Gypsum Board (Item 4) in System D. ANSI A136.1 Type 1 organic adhesive applied with 3/4 in. square notched trowel. See Adhesives (BFWW) in the Fire Resistance Directory or Adhesives (BLLD) in the Building Materials Directory for names of Classified companies.

9. Lead Batten Strips — (Not Shown, For Use With Item 4A) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 can head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-2011, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4A) and optional at remaining stud locations.

9A. Lead Batten Strips — (Not Shown, For Use With Item 4C) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-2011, Grade "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 6) and optional at remaining stud locations.

10. Lead Discs or Tabs — (Not Shown, For Use With Item 4A) — Used in lieu of or in addition to the lead batten strips (Item 9) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs, compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.5% meeting the Federal specification QQ-L-2011, Grade "C".

10A. Lead Discs — (Not Shown, for use with Item 4C) — Max 5/16 in. diam by max 0.140 in. thick lead discs, compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-2011, Grade "B, C, or D".

11. Lead Batten Strips — (Not Shown, For Use With Item 4B) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-2011, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4B) and optional at remaining stud locations.

12. Lead Tabs — (Not Shown, For Use With Item 4B) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit against front face of studs, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw that secures the gypsum boards (Item 4B) will penetrate the steel stud. Lead tabs to have a purity of 99.5% meeting the Federal specification QQ-L-2011, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2022-02-14

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- Fire resistance assemblies and products are developed by the design volunteer and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide information for each product category and each group of assemblies. The Guide information includes specifics concerning alternate materials and alternate methods of construction.
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BUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire Resistance Ratings - ANSI/UL 263 Certified for United States
Design/Systems/Construction/Assembly Usage (Disclaimer)

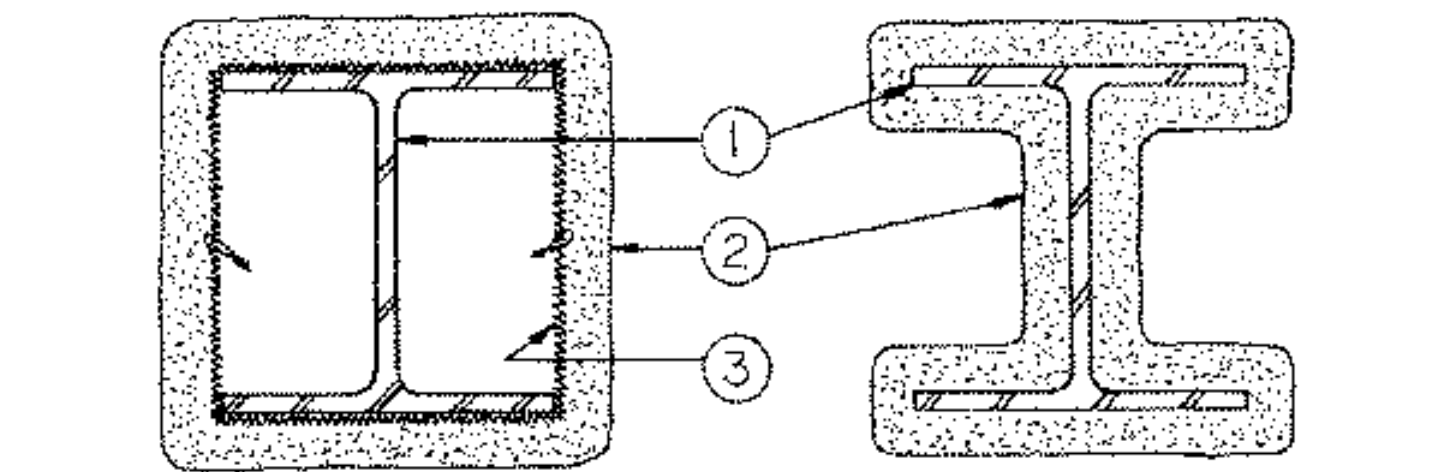
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design/Systems/Construction/Assembly Usage (Disclaimer)

Design No. X790

November 25, 2019

Ratings — 1, 1-1/2, 2, 3 and 4 Hr.

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1. Steel Column, Steel Pipe or Steel Tube — White flange steel column (C) or steel circular pipe (P) or steel square or rectangular tube (S). Min sizes as shown in the tables below.

2. Spray-Applied Fire Resistive Materials* — Applied by mixing with water and spraying in one or more coats to the thicknesses shown below, to steel surfaces which are clean and free of dirt, loose scale, and oil. Min average and min individual density of 15 and 14 pcf for Types 300, 300AC, 300ES, 300HS, 300H, 300D, 300DE and SB. For Types 400AC and 400ES min average and min individual density of 22 and 19 pcf respectively. Min avg density of 44 pcf with min and value of 40 pcf for Types M-B and TG. Min avg density of 47 pcf with min individual value of 43 pcf for Type M-B-P. For method of density determination, see Design Information Section, Sprayed Material.

The min thickness of Spray-Applied Fire Resistive Materials required for various fire resistance ratings of various spaced or bonded wide flange columns are shown in the table below:

Column Size	W/D	1 Hr	1-1/2 Hr	2 Hr	3 Hr	4 Hr
W6x9	0.55	1 3/16	1 1/4	1 1/16	2 5/8	2 1/2 1/16
W6x12	0.44	1 5/16	1 1/8	1 1/16	2	2 3/8 1/16
W6x16	0.57	1 1/16	1	1 5/16	1 7/8	2 3/8
W6x25	0.68	5/8	15/16	1 3/4	1 15/16	2 3/8 1/16
W10x49	0.65	9/16	1 1/16	1 1/8	1 5/8	2 1/4 1/16
W12x106	1.46	3/8	3/16	1 5/16	1 3/4	2 1 1/2 1/16
W14x255	2.52	1/4	3/8	1/2	7/8	1 5/8 1/16
W14x350	0.66	1/4	1/4	1/4	3/8	1/2

As an alternate to the table above, the required thickness of Spray-Applied Fire Resistive Materials to be applied to all surfaces of fire steel columns for all rating periods may be determined from the following equations:

$$h = \frac{75 (W/D) + 32}{A}$$

(for column W/D range of 0.55 to 2.51)

$$h = \frac{75 (W/D) + 15}{A}$$

(for column W/D range of 2.51 to 6.88)

Where:

h = Spray-Applied Fire Resistive Materials thickness in the range of 1/8 to 4-1/2 in. (rounded up to the nearest 1/8 in.)

R = Fire resistance rating period in minutes (30-240 mins.)

D = Heated perimeter of the steel column in inches

W = Weight of the steel column in lbs per foot

The thicknesses contained in the table below are applicable when the Spray-Applied Fire Resistive Materials applied to the column's flange lips are reduced to one-half that shown in the table below (for certain applications):

Column Size in.	1 Hr	1-1/2 Hr	2 Hr	3 Hr	4 Hr
W6x9	1	1 1/8	1 3/4	2 1/16	2 1/8
W6x12	3/8	1 1/4	1 5/8	2 5/16	2 1/2 1/16
W6x16	1/4	1 1/8	1 7/16	2 1/16	2 1 1/2 1/16
W6x25	1 1/16	1	1 5/16	1 15/16	2 1/2
W10x49	5/8	15/16	1 5/16	1 3/4	2 3/8
W12x106	1/8	3/8	7/8	1 3/8	1 1 1/2 1/16
W14x255	3/16	3/8	3/16	15/16	1 5/16
W14x350	5/16	1/16	5/16	7/16	5/8

The min thickness of Spray-Applied Fire Resistive Materials required for various fire resistance ratings of various spaced steel pipes or tubes are shown in the table below:

Min Column Size in.	A/P	1 Hr	1-1/2 Hr	Min Thkns in. 2 Hr	3 Hr	4 Hr
SP 4x4x237	0.22	1 1/16	1	1 1/8	2 1/16	2 1/4
SP 4x4x187 1/2	0.18	3/4	1 3/16	1 7/16	2 1/16	2 1 1/2 1/16
SP 4x4x151 1/2	0.29	1/2	15/16	1 7/8	1 3/4	2 5/16
SP 4x4x137 1/2	0.36	7/16	3/4	1	1 3/16	2 1/8
SP 4x4x125	0.44	3/8	9/16	7/8	1 3/8	1 1/4
SP 6x6x241 1/2 in	0.72	3/16	1/2	1 1/16	1 1/16	1 1/2 1/16
SP 6x6x191 in	0.94	1/4	3/8	1/2	1 1/16	1 3/8
SP 6x6x151 1/2 in	1.59	1/4	1/4	5/8	5/8	15/16
SP 6x6x121 1/2 in	1.60	1/4	1/4	3/8	1/2	3/4
SP 8x8x224 1/2 in	1.20	1/4	5/16	7/16	1 1/16	15/16
SP 8x8x187 1/2	0.49	5/16	7/16	1 1/16	1 3/8	1 3/16

The min thickness of Spray-Applied Fire Resistive Materials required for various fire resistance ratings of various spaced steel pipes or tubes are shown in the table below:

The min thickness of Spray-Applied Fire Resistive Materials required for various fire resistance ratings of various spaced steel pipes or tubes are shown in the table below:

Min Column Size in.	A/P	1 Hr	1-1/2 Hr	Min Thkns in. 2 Hr	3 Hr	4 Hr
SP 4x4x237	0.22	1 1/16	1	1 1/8	2 1/16	2 1/4
SP 4x4x187 1/2	0.18	3/4	1 3/16	1 7/16	2 1/16	2 1 1/2 1/16
SP 4x4x151 1/2	0.29	1/2	15/16	1 7/8	1 3/4	2 5/16
SP 4x4x137 1/2	0.36	7/16	3/4	1	1 3/16	2 1/8
SP 4x4x125	0.44	3/8	9/16	7/8	1 3/8	1 1/4
SP 6x6x241 1/2 in	0.72	3/16	1/2	1 1/16	1 1/16	1 1/2 1/16
SP 6x6x191 in	0.94	1/4	3/8	1/2	1 1/16	1 3/8
SP 6x6x151 1/2 in	1.59	1/4	1/4	5/8	5/8	15/16
SP 6x6x121 1/2 in	1.60	1/4	1/4	3/8	1/2	3/4
SP 8x8x224 1/2 in	1.20	1/4	5/16	7/16	1 1/16	15/16
SP 8x8x187 1/2	0.49	5/16	7/16	1 1/16	1 3/8	1 3/16

As an alternate to the table above, the required thickness of Spray-Applied Fire Resistive Materials to be applied to all surfaces of the steel pipes or tubes for all rating periods may be determined from the following equations:

$$h = \frac{16R (A/P) + 45}{A}$$

Where:

h = Spray-Applied Fire Resistive Materials thickness in the range of 5/16 to 4-1/4 in. (rounded up to the nearest 1/8 in.)

R = Fire resistance rating in minutes (30-240 mins.)

A = Cross-sectional area of pipe or tube

P = Heated perimeter of steel pipe or tube

A/P = 0.15 to 0.40

The A/P ratio of a circular pipe is determined by:

$$\frac{A}{P} = \frac{1.57 (D - t)}{\pi D}$$

Where:

D = the outer diameter of the pipe (in.)

t = the wall thickness of the pipe (in.)

The A/P ratio of a rectangular tube is determined by:

$$\frac{A}{P} = \frac{t (a + b - 2t)}{a + b}$$

Where:

a = the outer width of the tube (in.)

b = the outer length of the tube (in.)

t = the wall thickness of the tube (in.)

BERLIN CO LTD — Types 300, 300ES, 300H, SB, M-B, TG and M-B-P

GREENTECH ASIA PACIFIC SDN BHD — Types 300, 300ES, 300H, M-B or M-B-P

GREENTECH THERMAL INSULATION PRODUCTS MPF CO L L C — Types 300, 300AC, 300HS, 400AC, 300H M-B, TG, and M-B-P

ISOLATEK INTERNATIONAL — Type 300, 300AC, 300ES, 300H, 400AC, 400PS, M-B, 300H, 300ES, M-B, TG and M-B-P

NEWKEM PRODUCTS CORP — Types 300, 300ES, 300H, SB, M-B, TG and M-B-P

2A. (As an alternate to Item 2) Spray-Applied Fire Resistive Materials* — Applied by mixing with water and spraying in one or more coats to the thicknesses shown below, to steel surfaces which are clean and free of dirt, loose scale, and oil. Min average and min individual density of 15 and 14 pcf respectively for Type 300W. Min average and min individual density of 22 and 19 pcf, respectively for Type 400. For method of density determination, see Design Information Section, Sprayed Material.

The min thickness of Spray-Applied Fire Resistive Materials required for various fire resistance ratings is shown in Item 2.

BERLIN CO LTD — Type 400

GREENTECH ASIA PACIFIC SDN BHD — Type 400

GREENTECH THERMAL INSULATION PRODUCTS MPF CO L L C — Type 400

ISOLATEK INTERNATIONAL — Type 300TG or Type 400

NEWKEM PRODUCTS CORP — Type 400

2B. (As an alternate to Item 2 and 2A) — Spray-Applied Fire Resistive Materials* — Prepared by mixing with water according to instructions on each bag of mixture and spray- or trowel applied to steel surfaces which are free of dirt, oil or scale. Min average density of 17.5 pcf with min individual value of 17.0 pcf. For method of density determination, see Design Information Section, Sprayed Material.

The min thickness of Spray-Applied Fire Resistive Materials required for various fire resistance ratings is shown in Item 2.

ISOLATEK INTERNATIONAL — Type 290

3. Metal Lath — (Optional for certain applications) — 3-4 lbs/sq yd galv or painted expanded steel lath. Lath shall be lapped 1 in. and tied together with No. 18 SWG galv steel wire spaced vertically 6 in. OC.

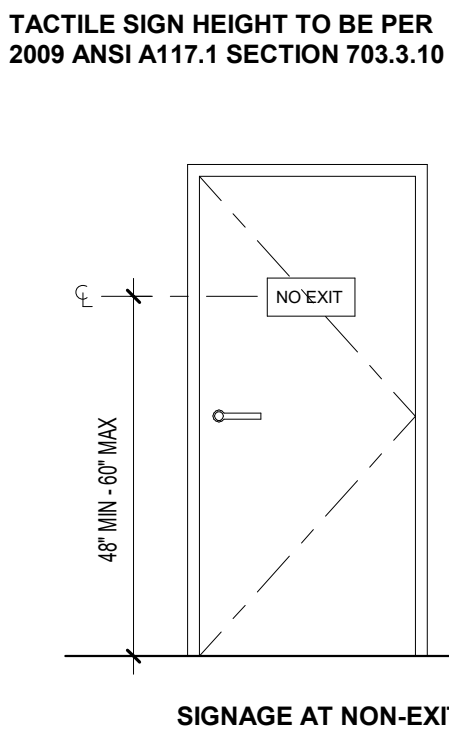
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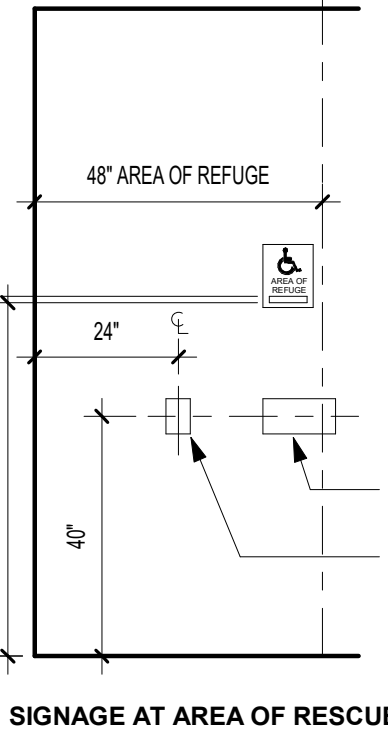
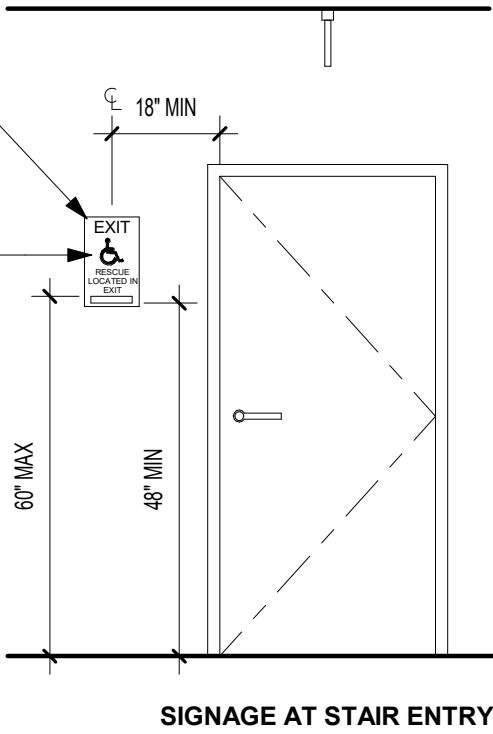
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SIGNAGE

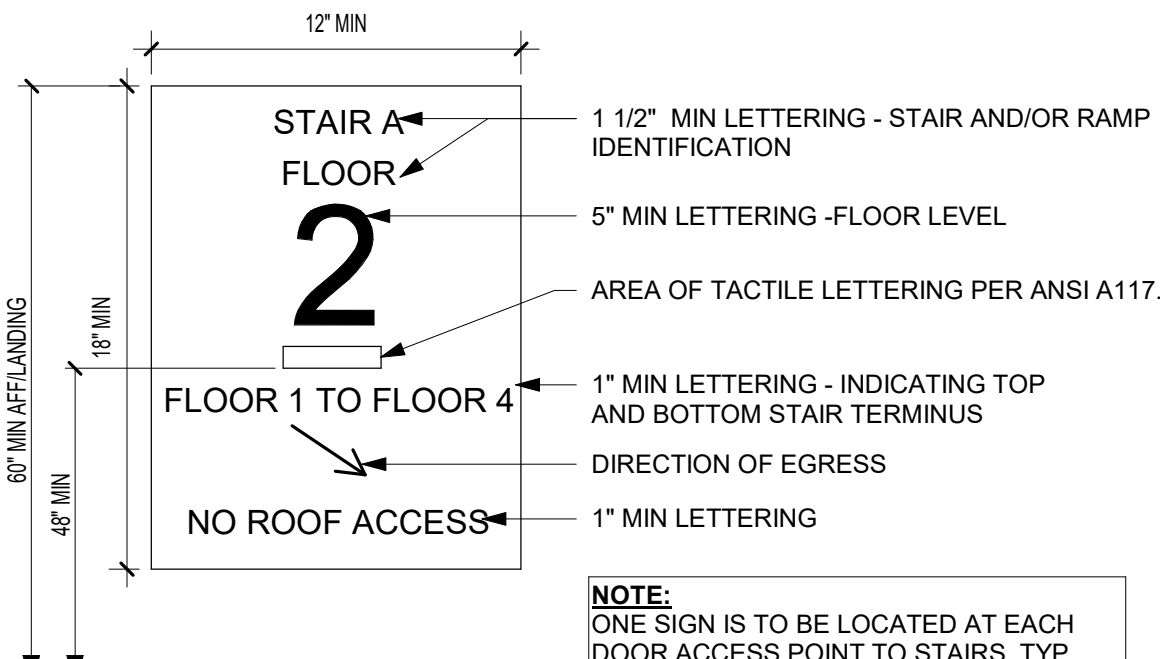
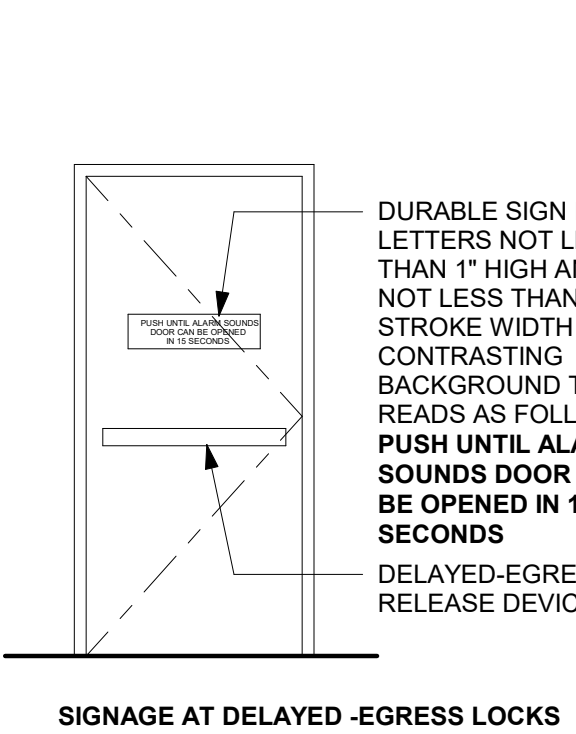
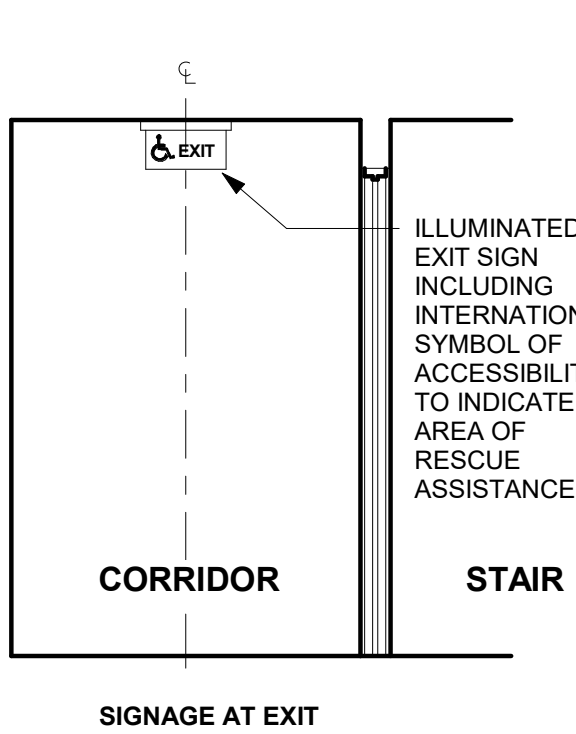
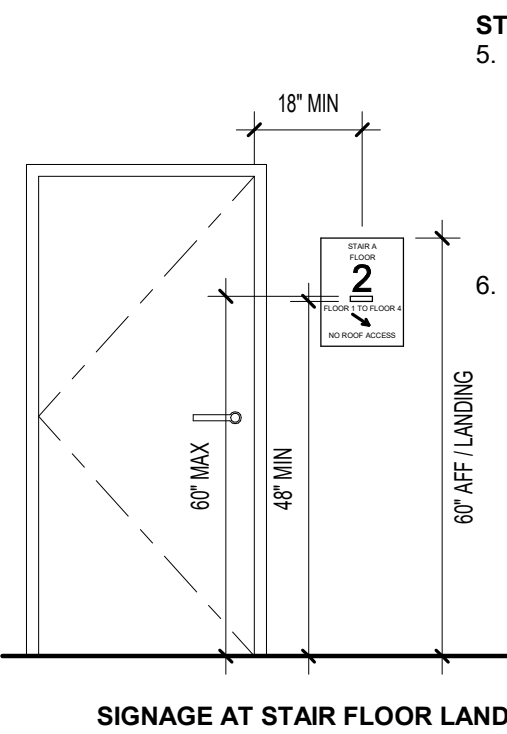


D4 CODE COMPLIANT SIGNAGE
NOT TO SCALE



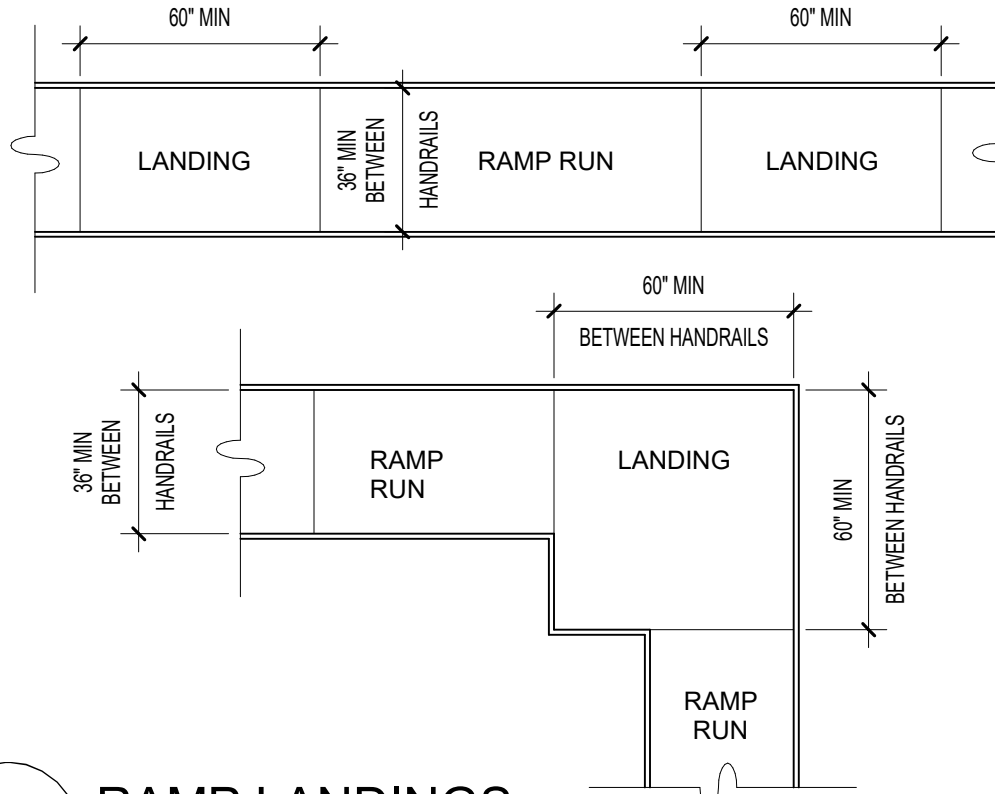
- AREA OF RESCUE INSTRUCTIONS INDICATING ALL OF THE FOLLOWING:**
1. DIRECTIONS TO FIND OTHER MEANS OF EGRESS
 2. UNLESS THEY ARE ASSISTING OTHERS, PERSONS ABLE TO USE THE EXIT STAIRWAY SHOULD DO SO AS SOON AS POSSIBLE
 3. INFORMATION ON PLANNED AVAILABILITY OF ASSISTANCE IN THE USE OF STAIRS OR SUPERVISED OPERATION OF ELEVATORS AND HOW TO SUMMON SUCH ASSISTANCE, DIRECTIONS FOR USE OF THE EMERGENCY COMMUNICATIONS SYSTEM.
 4. TWO-WAY COMMUNICATION DEVICE BETWEEN AREA OF RESCUE AND CENTRAL CONTROL POINT.

NOTE: SIGNS CONTAINING RAISED CHARACTERS AND BRAILLE SHALL BE LOCATED ON LATCH SIDE OF DOOR WITH A 18x18 CLEAR FLOOR SPACE OUTSIDE THE SWING OF THE DOOR

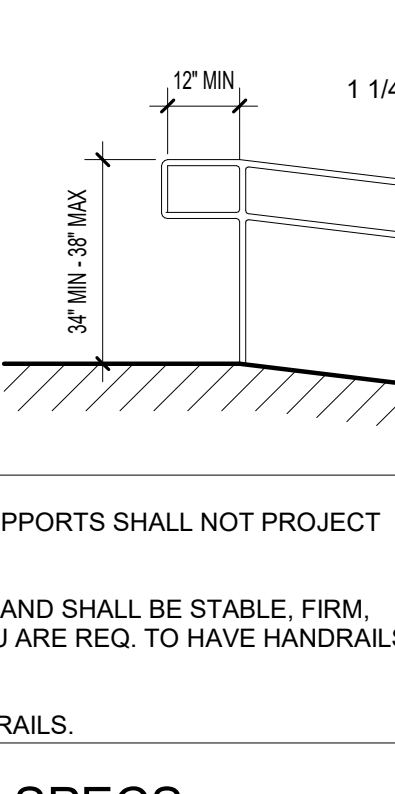
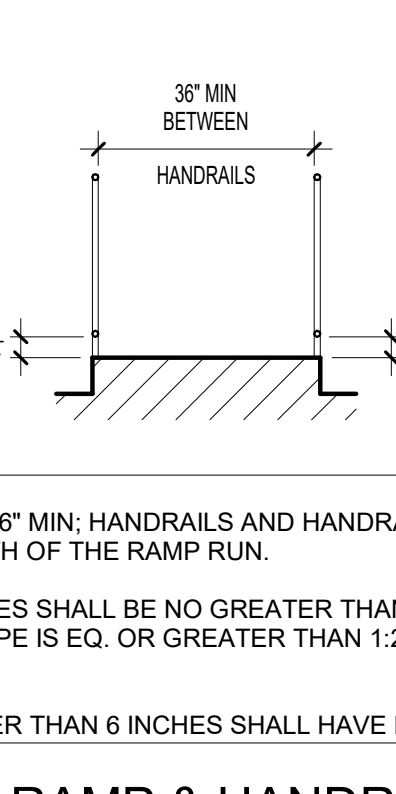
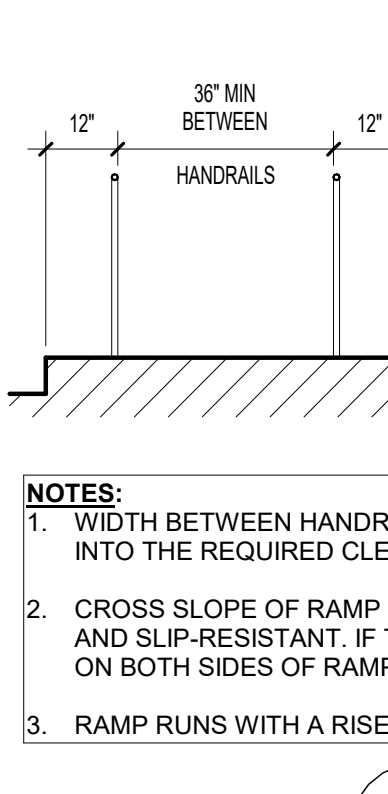
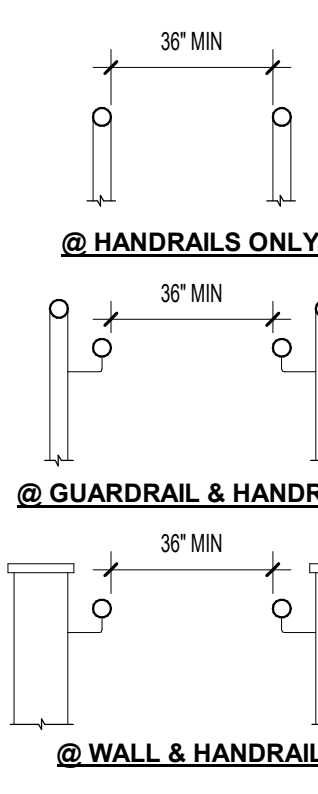


A4 EGRESS STAIR SIGNAGE
NOT TO SCALE

RAMPS



D3 RAMP LANDINGS
NOT TO SCALE



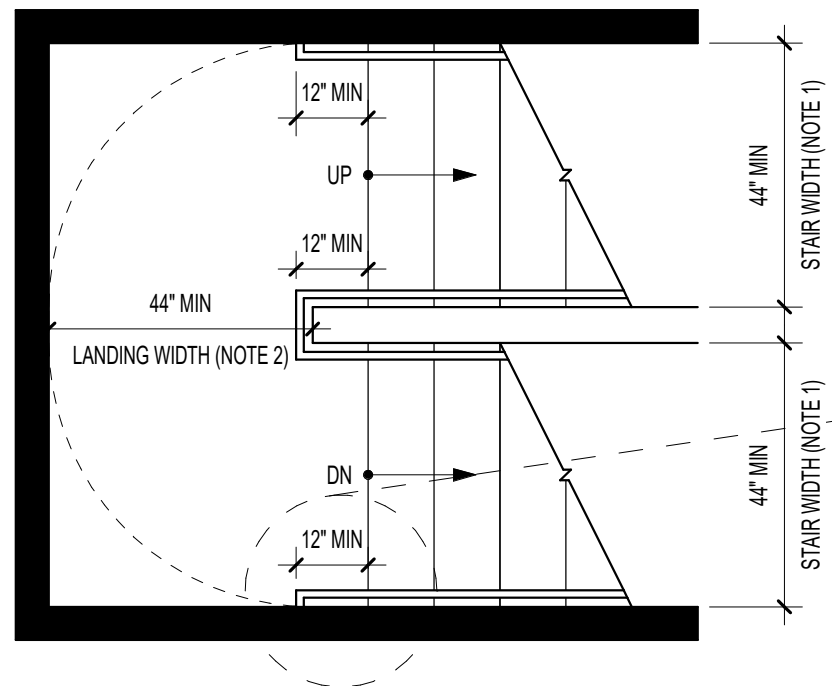
- NOTES:**
1. WIDTH BETWEEN HANDRAILS IS 36" MIN; HANDRAILS AND HANDRAIL SUPPORTS SHALL NOT PROJECT INTO THE REQUIRED CLEAR WIDTH OF THE RAMP RUN.
 2. CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 1:48 AND SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. IF THE SLOPE IS EQ. OR GREATER THAN 1:20 YOU ARE REQ. TO HAVE HANDRAILS ON BOTH SIDES OF RAMP.
 3. RAMP RUNS WITH A RISE GREATER THAN 6 INCHES SHALL HAVE HANDRAILS.

C3 RAMP & HANDRAIL SPECS
NOT TO SCALE

ADDITIONAL REQUIREMENTS

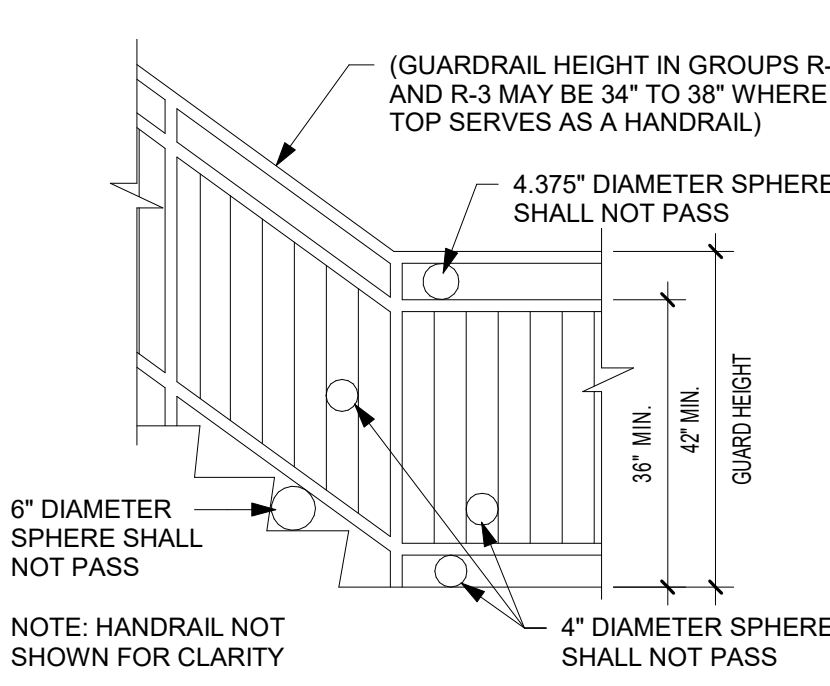
CARPET	MAX PILE HEIGHT SHALL BE 1/2 IN. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE. IF CARPET TILE IS USED ON AN ACCESSIBLE GROUND OF FLOOR SURFACE, IT SHALL HAVE A MAXIMUM COMBINED THICKNESS OF PILE, CUSHION, AND BACKING HEIGHT OF 1/2 IN.		
RAMPS	SLOPE	MAX RISE	MAX HORIZONTAL PROJECTION
	1:12 TO <1:16	30 IN.	30 FT.
	1:16 TO <1:20	30 IN.	40 FT.
	1:12 TO 1:20 - REQUIRES A HANDRAIL		
INTERIOR SIGNAGE	CHARACTER PROPORTION AND COLOR CONTRAST LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND AND BE NON-GLARE. CHARACTERS SHALL BE UPPER CASE. CHARACTER HEIGHT, MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER, SHALL BE 3/8 IN. MINIMUM, AND 2 IN. MAXIMUM, BASED ON THE UPPERCASE LETTER "I". RAISED OR INDENTED CHARACTERS OR SYMBOLS LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED OR ICISED 1/32 IN. MIN AND SHALL BE SANS SERIF CHARACTERS. RAISED CHARACTERS OR SYMBOLS SHALL BE AT LEAST 5/8 IN HIGH, BUT NO HIGHER THAN 2 IN. INDENTED CHARACTERS OR SYMBOLS SHALL HAVE A STROKE WIDTH OF AT LEAST 1/4 IN. SYMBOLS OR PICTOGRAPHS ON SIGNS SHALL BE RAISED OR INDENTED 1/32 IN MIN MOUNTING LOCATION AND HEIGHT INTERIOR SIGNAGE SHALL BE LOCATED ALONGSIDE THE DOOR ON THE LATCH SIDE AND SHALL BE MOUNTED AT A HEIGHT OF BETWEEN 54 IN. AND 66 IN. ABOVE THE FINISHED FLOOR PER UFAS AND BETWEEN 48 IN. AND 60 IN. PER ANSI. REFER TO ICC/ANSI A117.1-2009, 703.2.8 FOR MORE REQUIREMENTS ON MOUNTING LOCATION.		

STAIRS AND RAILINGS

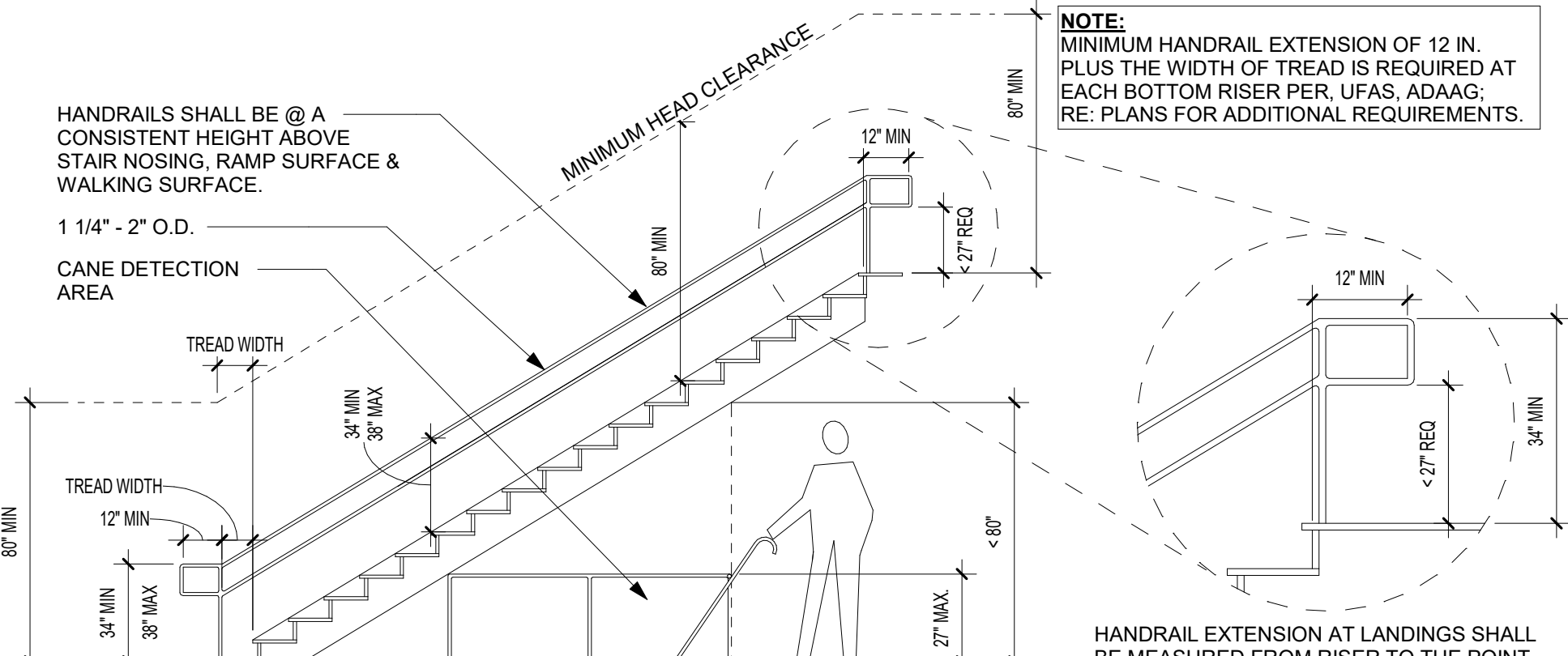


D2 EGRESS STAIR REQ'S
NOT TO SCALE

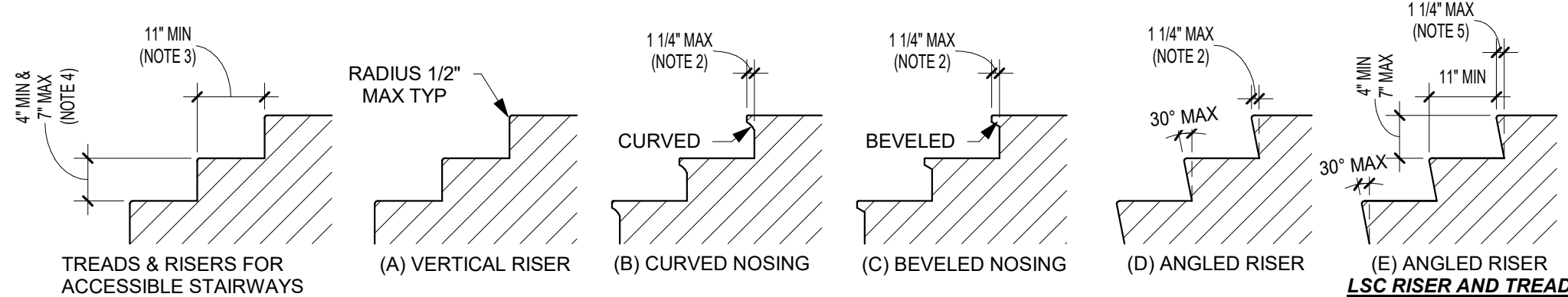
- NOTE:**
1. STAIR WIDTH IS CALCULATED FROM INSIDE STRINGER TO INSIDER STRINGER (OR WALL FINISH TO WALL FINISH)
 2. LANDING WIDTH SHALL BE GREATER THAN OR EQUAL TO (BUT NOT LESS THAN) STAIR WIDTH DIMENSION
 3. HANDRAIL SHALL RETURN TO A WALL, GUARD, OR WALKING SURFACE; NON-CONTINUOUS RAILINGS SHALL EXTEND 12" MIN BEYOND TOP RISER
 4. VERIFY ALL DIMENSIONS WITH PLANS



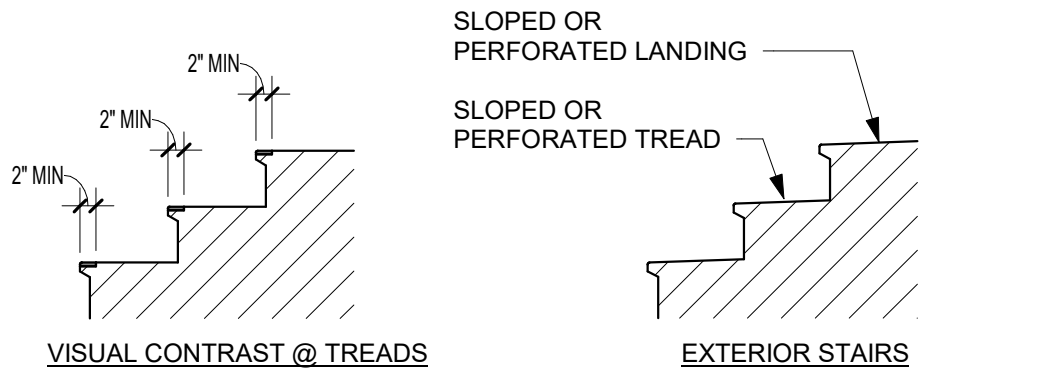
C2 STAIR OPENING GUARD LIMITATIONS
NOT TO SCALE



B2 STAIR PROTECTION & HANDRAIL DETAIL
NOT TO SCALE



D1 STAIR RISER AND TREAD REQ
NOT TO SCALE



THE LEADING 2" OF TREADS SHALL HAVE VISUAL CONTRAST OF DARK-ON-LIGHT OR LIGHT-ON-DARK FROM THE REMAINDER OF THE TREAD

MATERIAL CHANGES SHALL PROVIDE A FLUSH SURFACE

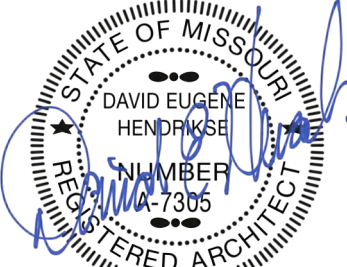
SLOPED OR PERFORATED LANDING

SLOPED OR PERFORATED TREAD

TREADS AND LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT ACCUMULATION OF WATER

B1 IBC HANDRAIL DETAIL
NOT TO SCALE

REVISIONS:



TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

G-302

TOILET, BATH, LAUNDRY ACCESSORY SCHEDULE

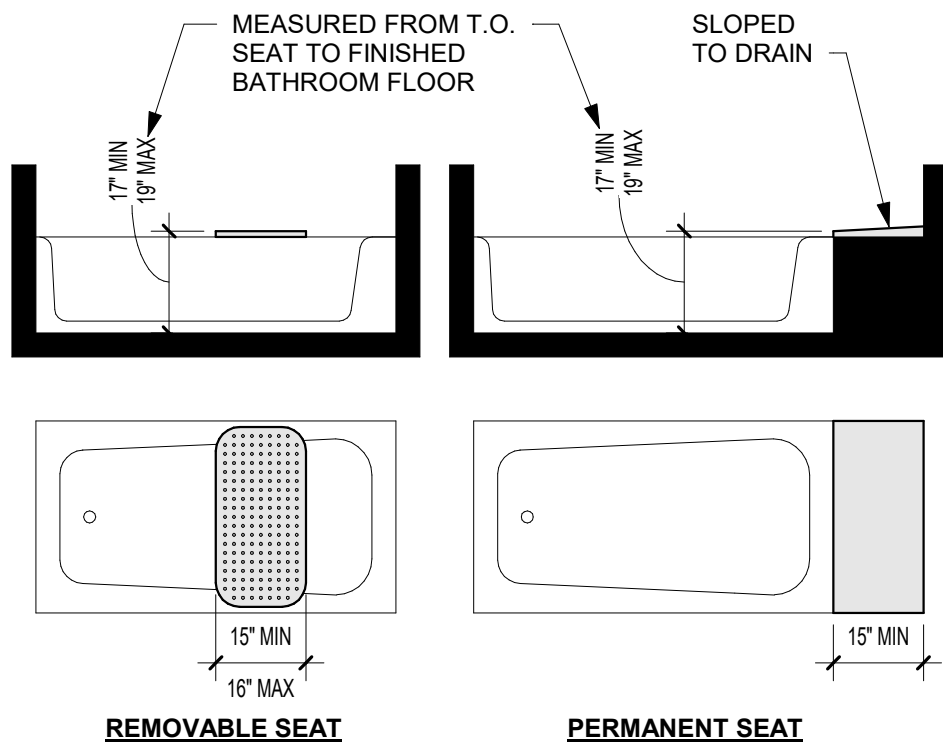
ACCESSORY	MOUNTING HEIGHT	LOCATION
MIRROR	SEE A1/G-303	PUBLIC & UNIT
PAPER TOWEL DISP/RECP	40" AFF MIN TO CONTROLS	PUBLIC
TOILET PAPER DISPENSER (TPD)	SEE D1/G-302	PUBLIC
TOILET PAPER HOLDER (TP)	SEE D1/G-302	UNIT
DIAPER CHANGING STATIONS	34" MAX TO CHANGING SURFACE	PUBLIC
GRAB BARS	SEE G-302	PUBLIC & UNIT
SANITARY NAPKIN RECEPTOR	18" MIN AFF & 24" MIN / 42" MAX FROM REAR WALL	PUBLIC
DRINKING FOUNTAIN	SEE C1/G303	PUBLIC
DRINKING FOUNTAIN - ACCESSIBLE	SEE C1/G-303	PUBLIC
WATER CLOSET (FLOOR-MOUNTED)	1'-4" AFF MIN TO RIM	PUBLIC & UNIT
WATER CLOSET - ACCESSIBLE (FLOOR-MOUNTED)	SEE D1/G-302	PUBLIC & UNIT
LAVATORY	SEE INTERIOR ELEVATIONS	PUBLIC & UNIT
LAVATORY - ACCESSIBLE	SEE A1/G-303	PUBLIC & UNIT
SOAP DISPENSER	40" AFF MIN TO CONTROLS	PUBLIC
MEDICINE CABINET	42" AFF MIN TO TOP OF BOTTOM SHELF	UNIT
MEDICINE CABINET - ACCESSIBLE	40" AFF MIN TO TOP OF BOTTOM SHELF	UNIT

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

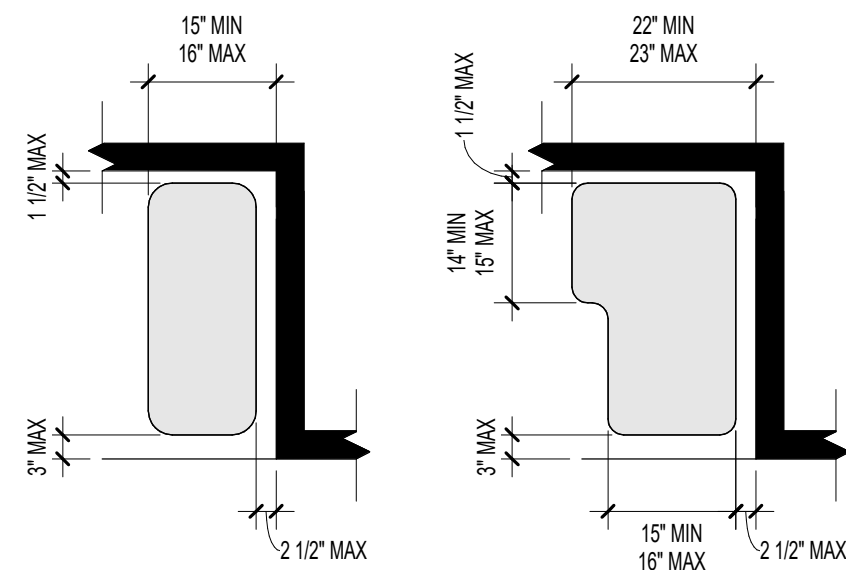
GENERAL NOTES

- GRAB BAR BLOCKING IS REQUIRED AT ALL TOILET, SHOWER AND BATHTUB GRAB BAR LOCATIONS; APPLICABLE AT ALL PUBLIC SPACES; ACCESSIBLE UNITS, "TYPE A" UNITS, AND "TYPE B" UNITS.
- CONTRACTOR SHALL BE FAMILIAR AND INCORPORATE ALL PROVISIONS AND REQUIREMENTS ESTABLISHED BY CODES APPLICABLE TO THE PROJECT INCLUDING FAIR HOUSING, UFAS, ANSI, & ADAAG

TUB SEAT



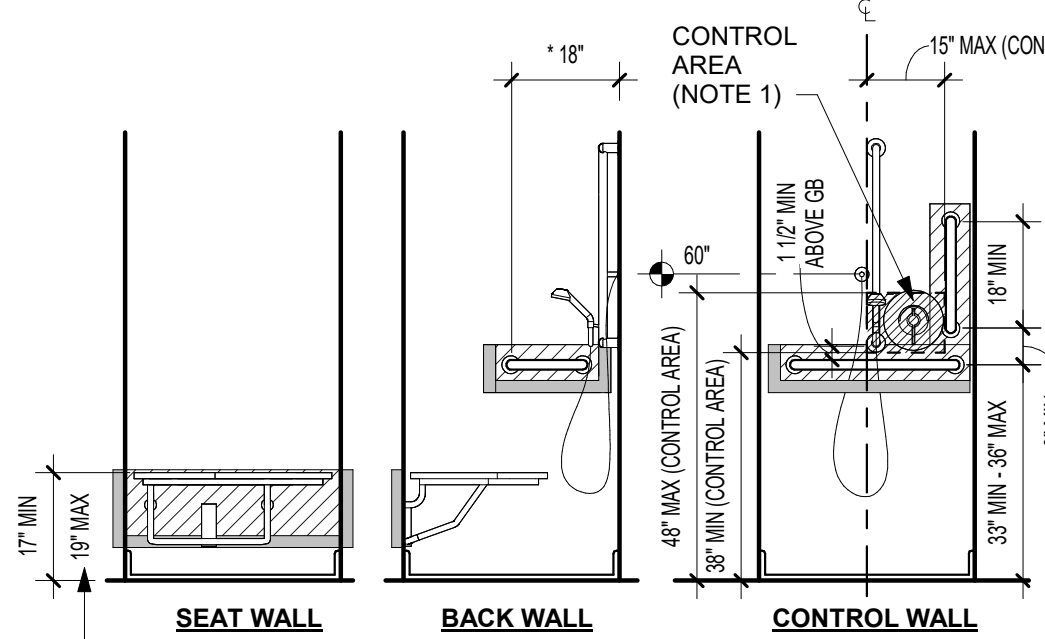
SHOWER SEAT



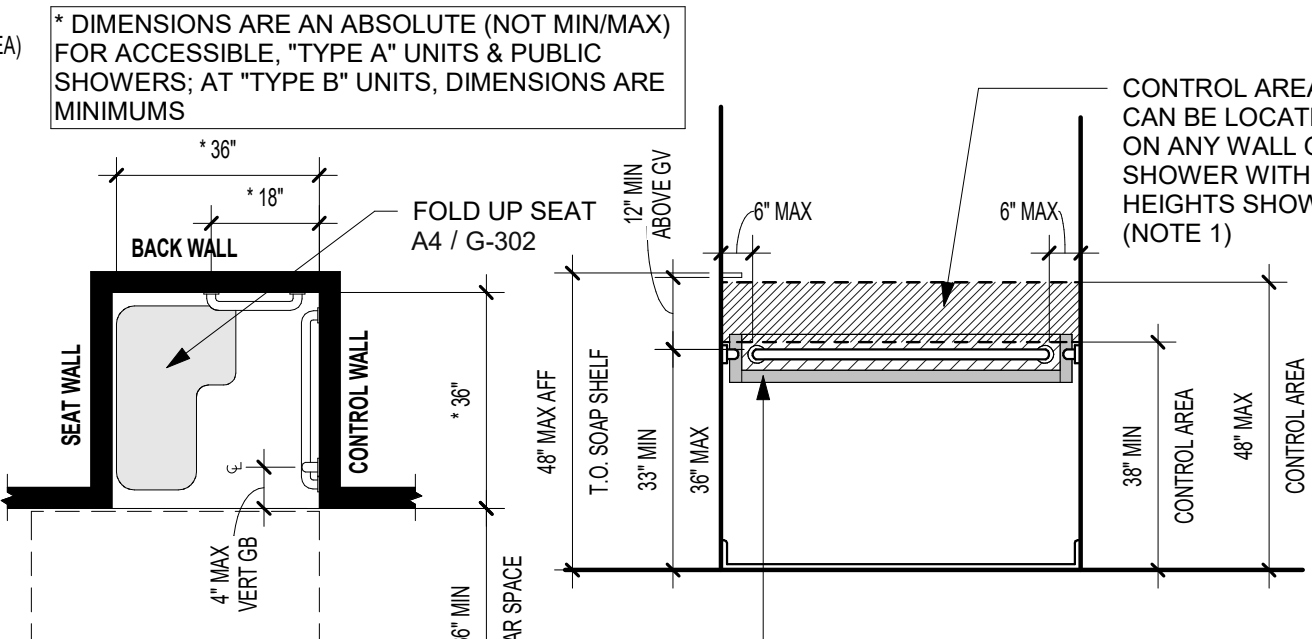
B4 BATHTUB SEAT
NOT TO SCALE

A4 SHOWER SEAT
NOT TO SCALE

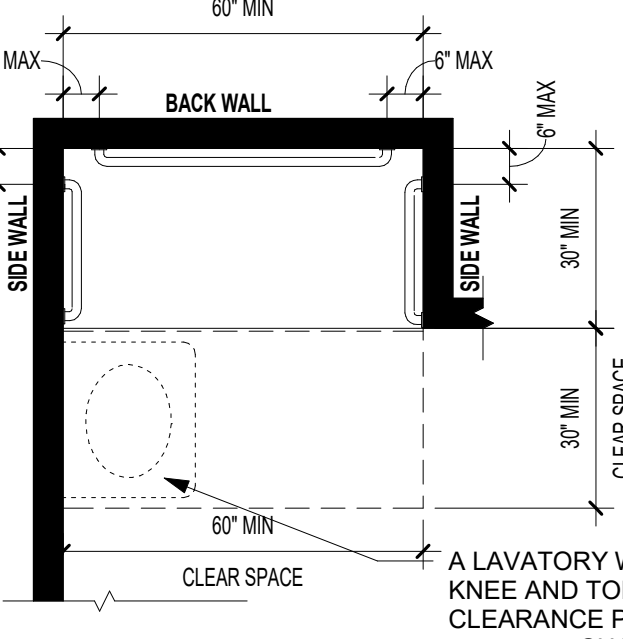
SHOWERS



D3 TRANSFER SHOWER
NOT TO SCALE



C3 ROLL-IN SHOWER W/O SEAT
NOT TO SCALE



B3 ROLL-IN SHOWER W/ SEAT
NOT TO SCALE

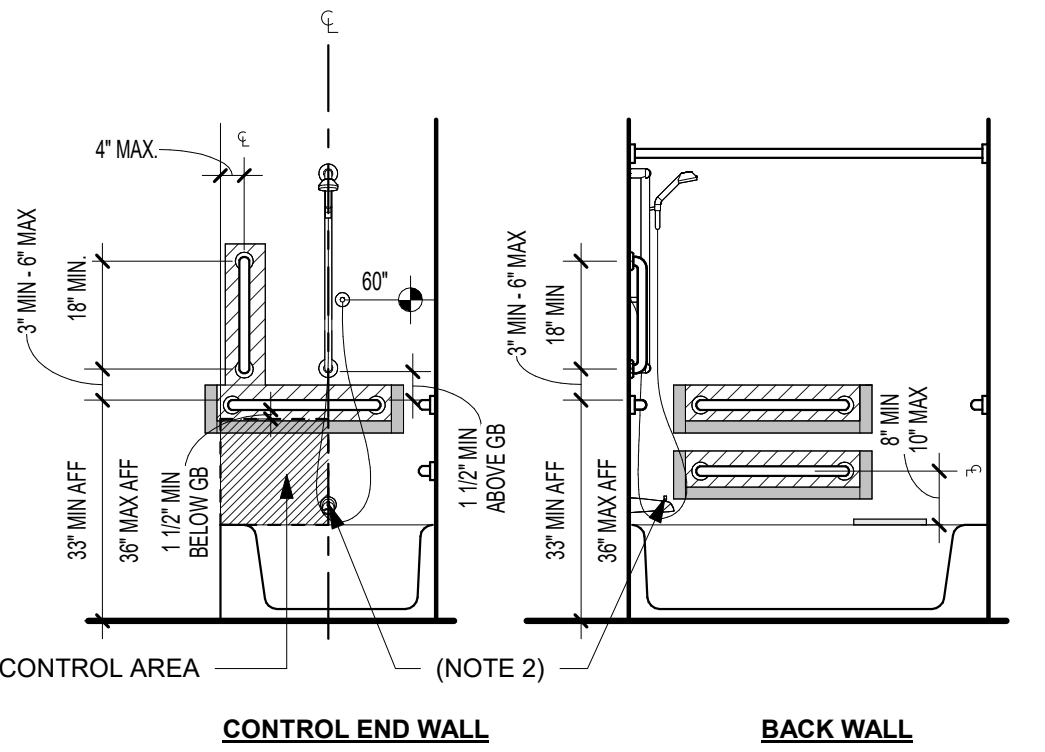
SHOWER NOTES

SHOWER DIAGRAMS & NOTES BELOW ARE APPLICABLE TO PUBLIC, ACCESSIBLE, AND "TYPE A" COMPLIANT BATHROOMS.

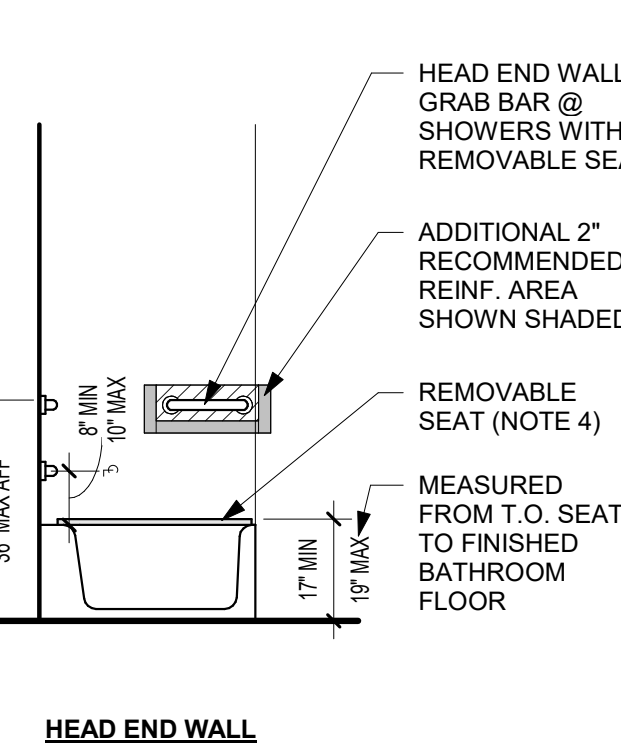
SEE UNIT PLANS AND/OR PLUMBING SCHEDULE FOR "TYPE B" OR EXEMPT SHOWER REQUIREMENTS

- AN ADJUSTABLE-HEIGHT HAND SHOWER, MOUNTED ON A VERTICAL BAR, SHALL BE INSTALLED SUCH THAT THE HANDLE OF THE HAND SHOWER (POSITIONED AT ITS LOWEST POSITION) SHALL BE LOCATED WITHIN THE CONTROL AREA SHOWN
- A HAND SHOWER WITH A HOSE OF 60" MINIMUM IN LENGTH TO BE PROVIDED.
- ADDITIONAL 2" RECOMMENDED REINFORCED AREA AROUND GRAB BARS (SHOWN SHADED)
- SEE UNIT PLANS AND/OR INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
- THRESHOLDS SHALL BE 1/2" MAX

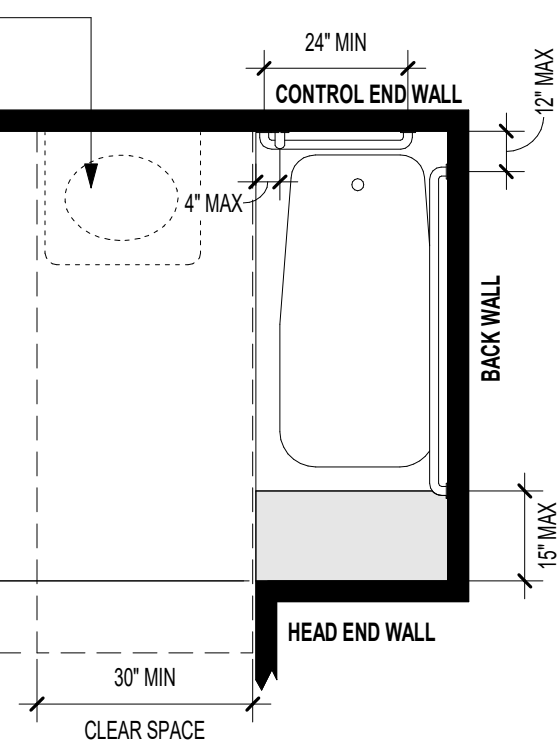
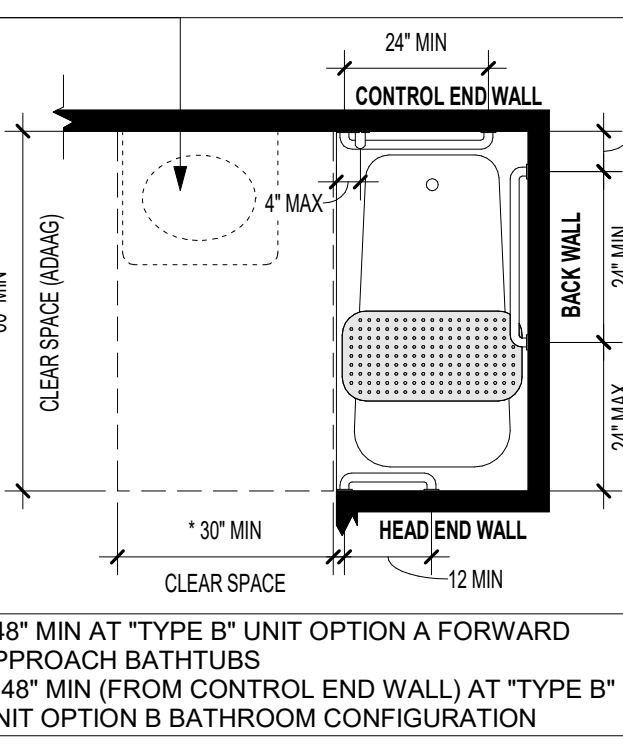
TUB



D2 BATHTUB HEIGHT REQ'S
NOT TO SCALE



C2 BATHTUB CLEARANCES
NOT TO SCALE



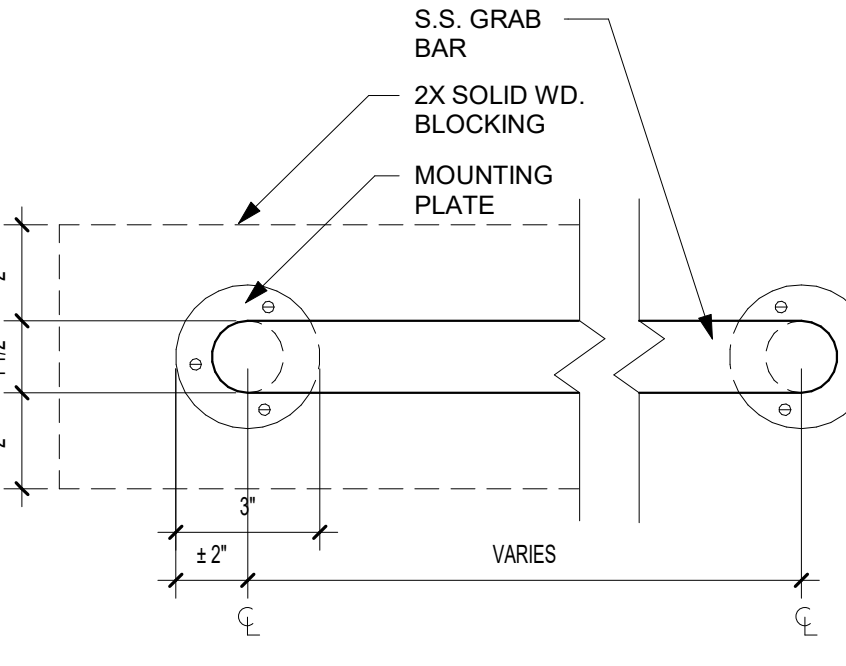
TUB NOTES

TUB DIAGRAMS & NOTES BELOW ARE APPLICABLE TO ACCESSIBLE, AND "TYPE A" COMPLIANT BATHROOMS.

SEE UNIT PLANS AND/OR PLUMBING SCHEDULE FOR "TYPE B" OR EXEMPT TUB REQUIREMENTS.

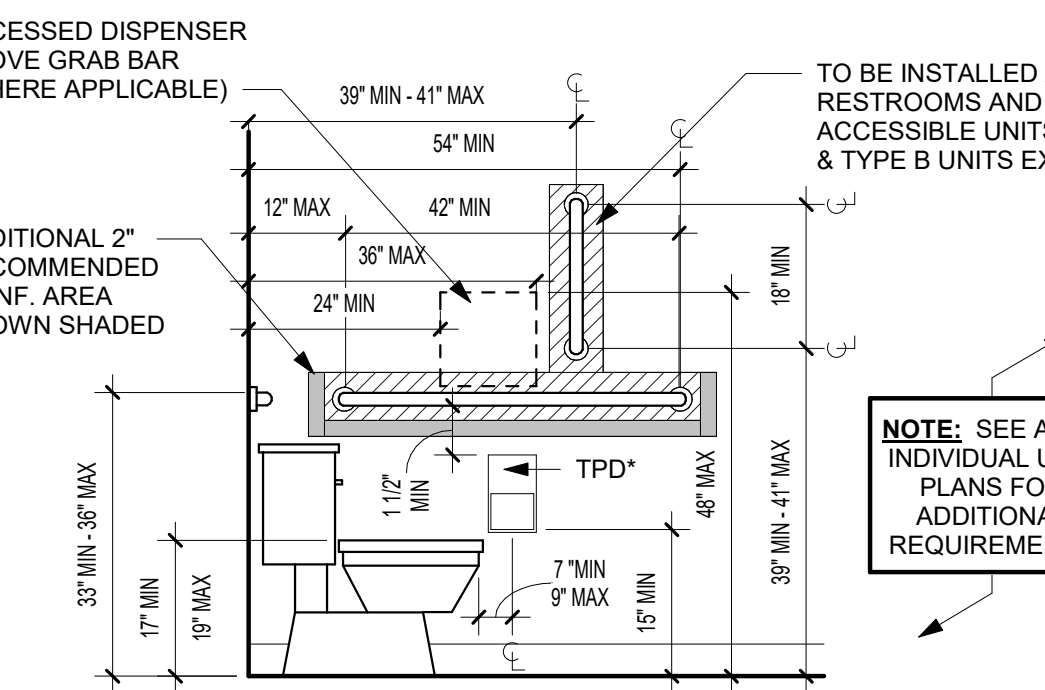
- A HAND SHOWER WITH A HOSE OF 60" MINIMUM IN LENGTH TO BE PROVIDED.
- NO PIN KNOB DIVERTERS IN ACCESSIBLE OR "TYPE A" UNITS AT TUB FAUCETS
- ADDITIONAL 2" RECOMMENDED REINFORCED AREA AROUND GRAB BARS (SHOWN SHADED)
- REMOVABLE SEAT NOT REQUIRED AT "TYPE A" UNITS
- SEE UNIT PLANS AND/OR INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION

GRAB BAR

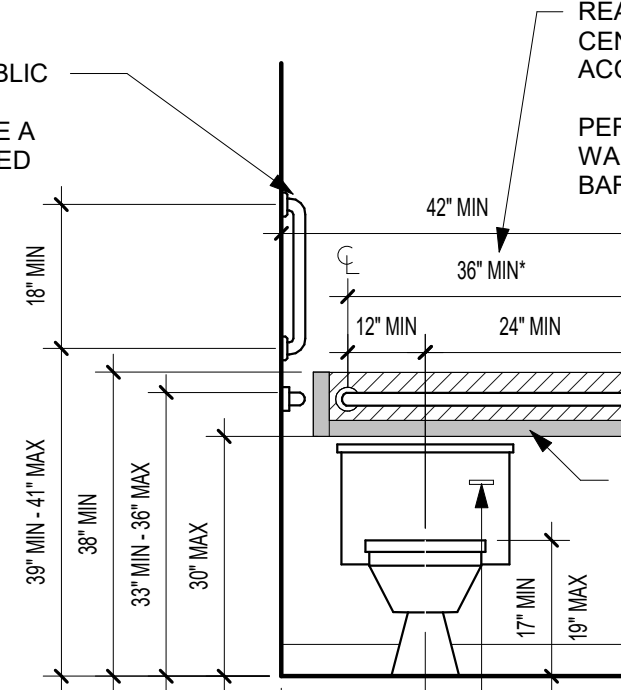


A2 GRAB BAR DETAIL
NOT TO SCALE

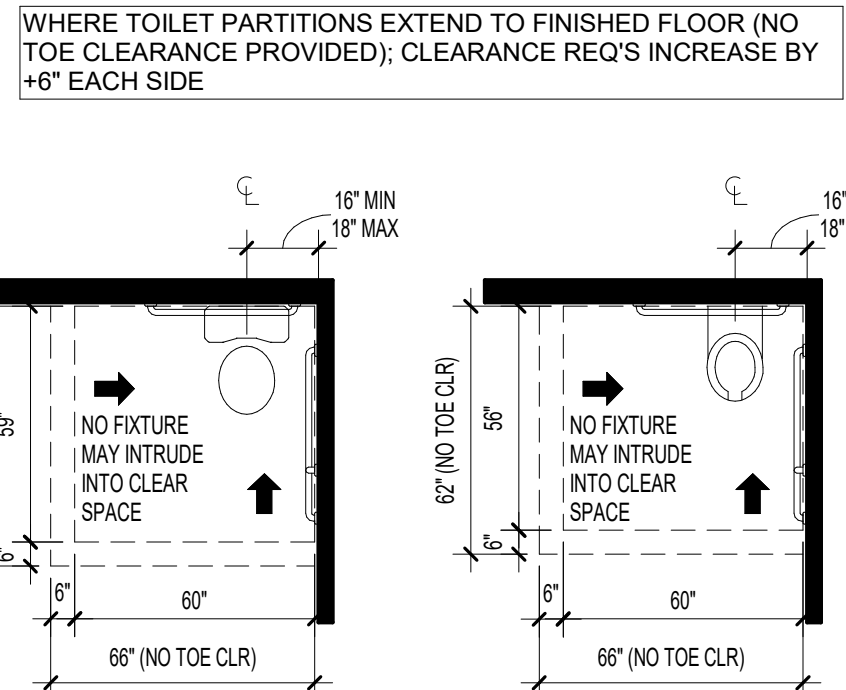
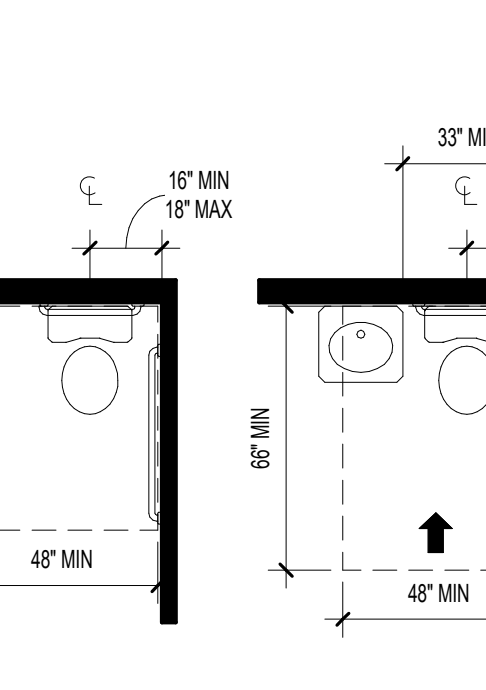
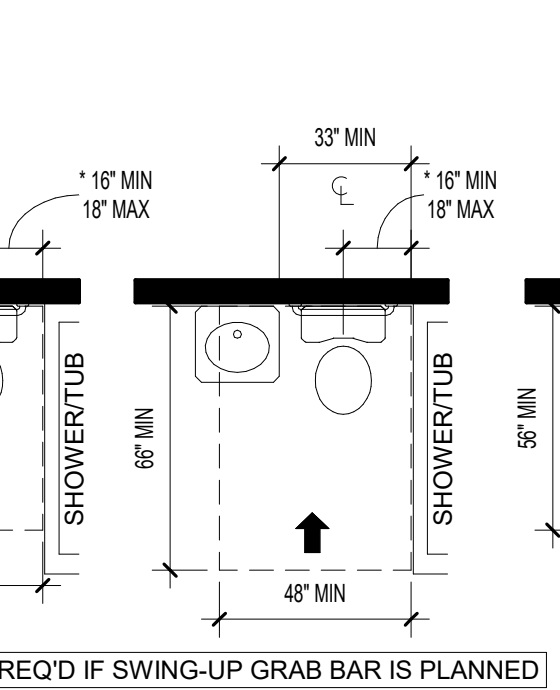
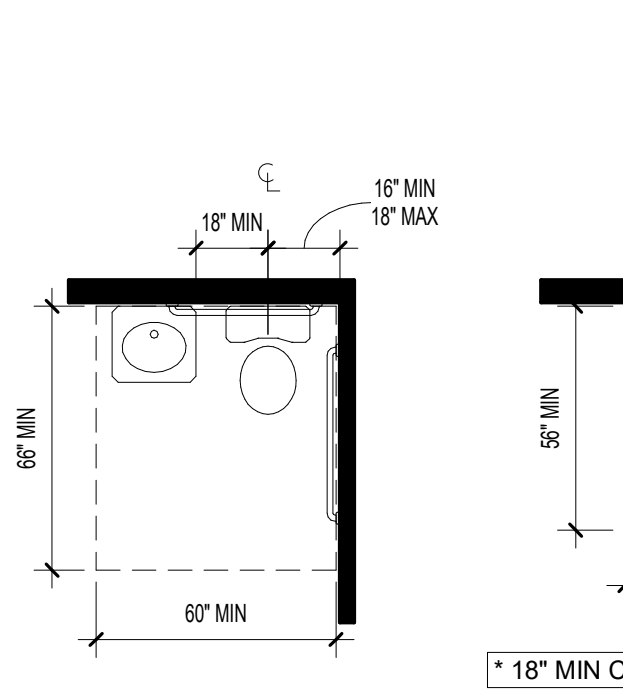
TOILET



D1 TOILET STANDARDS
NOT TO SCALE



C1 TOILET APPROACHES
NOT TO SCALE

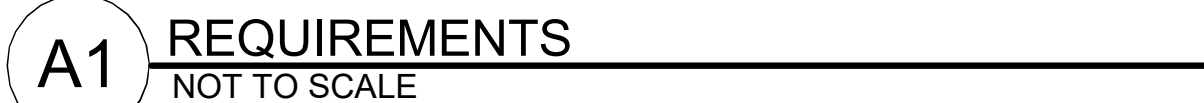
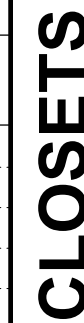


ACCESSIBLE UNIT & PUBLIC SPACE
(FLOOR MOUNTED TOILET)

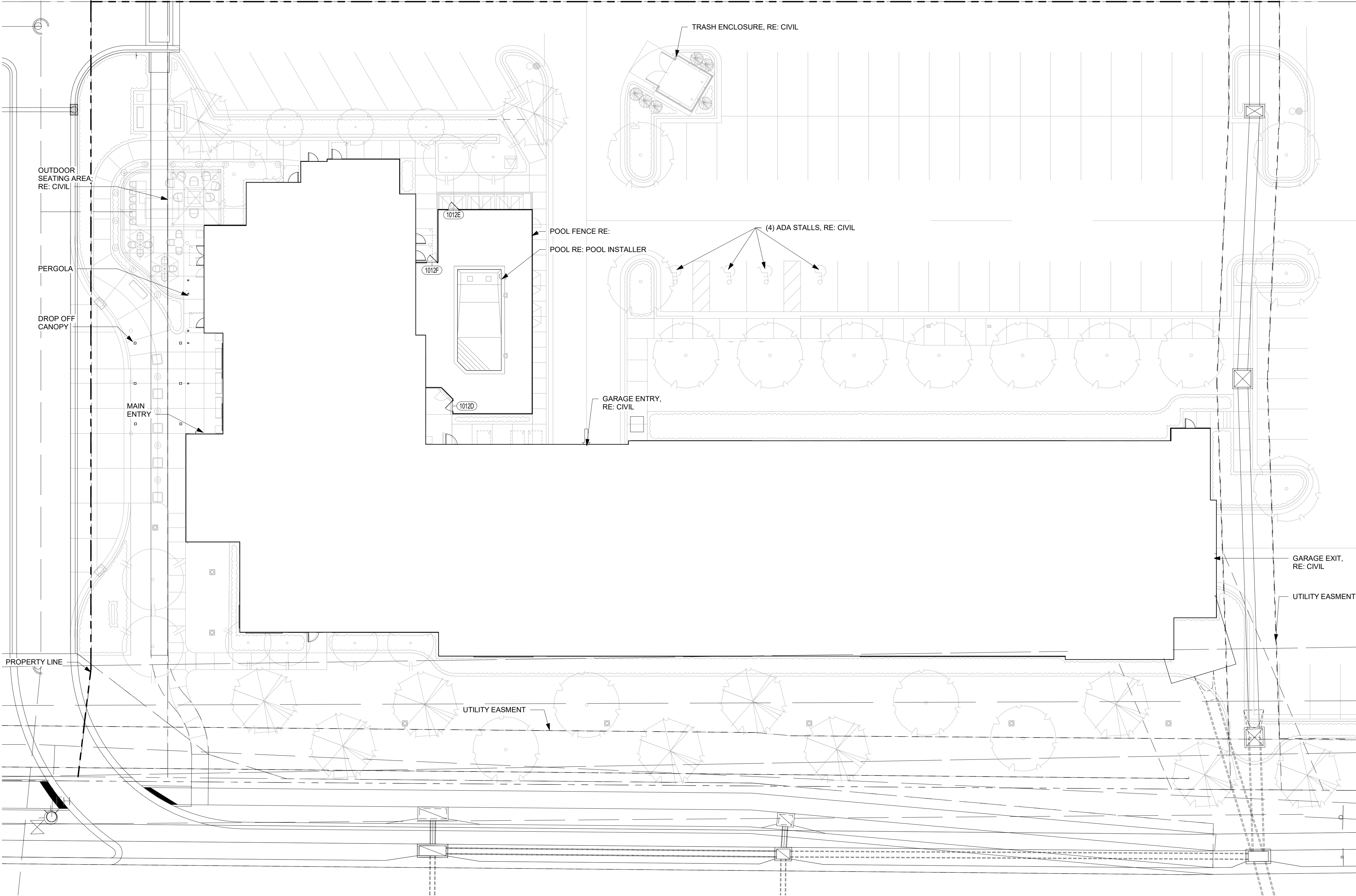
PUBLIC SPACE
(WALL HUNG TOILET)

WHERE TOILET PARTITIONS EXTEND TO FINISHED FLOOR (NO TOE CLEARANCE PROVIDED), CLEARANCE REQ'S INCREASE BY 16" EACH SIDE

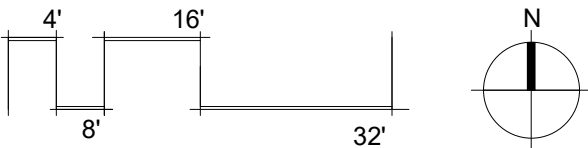
DRINKING FOUNTAINS



- ARCHITECTURAL SITE AMENITIES PLAN GENERAL NOTES
1. ARCHITECTURAL SITE PLAN IS FOR GENERAL INFORMATION AND LAYOUT ONLY. REFERENCE THE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION, BUILDING PLACEMENT, GRADES, UTILITIES AND ACTUAL FLOOR ELEVATION FOR EACH BUILDING.
 2. DO NOT SCALE DRAWINGS.
 3. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN PROJECT DOCUMENTS AND EXISTING CONDITIONS. ANY MODIFICATIONS DUE TO DIMENSIONAL CHANGES SHOULD BE PART OF THE PROJECT COST.
 4. GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL THOROUGHLY FAMILIARIZE THEMSELVES TO ALL SITE SPECIFIC REQUIREMENTS AND EXTENTS OF THE NEW WORK PRIOR TO BIDDING. NO CHANGES IN THE CONTRACT WILL BE CONSIDERED FOR INFORMATION DISCERNABLE FROM THE EXISTING CONDITIONS OR THE PROJECT DOCUMENTS.
 5. FULLY ACCESSIBLE UNITS SHALL MEET THE REQUIREMENTS OF 2009 ICC/ANSI A117.1.
 6. COORDINATE DUMPSTER TO BE USED TO ENSURE APPROPRIATE CLEARANCES ARE PROVIDED FOR ACCESS.
 7. ALL UNIT ENTRIES ARE DESIGNED TO ACCOMMODATE ACCESSIBLE ROUTES TO ALL OTHER BUILDINGS ON THE PROJECT SITE. ACCESSIBLE ROUTES SHALL BE COORDINATED AND MAINTAINED AT TRANSITIONS FROM SIDEWALKS TO UNIT FRONT PORCHES, AND FROM UNIT PORCHES TO UNIT ENTRY.



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



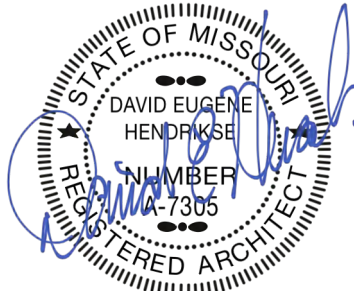
PRINTS ISSUED
11/01/2023 - CITY SUBMITTAL

REVISIONS:

rosemann & ASSOCIATES P.C.
ARCHITECTURE
INTERIOR DESIGN
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TOWNEPLACE SUITES

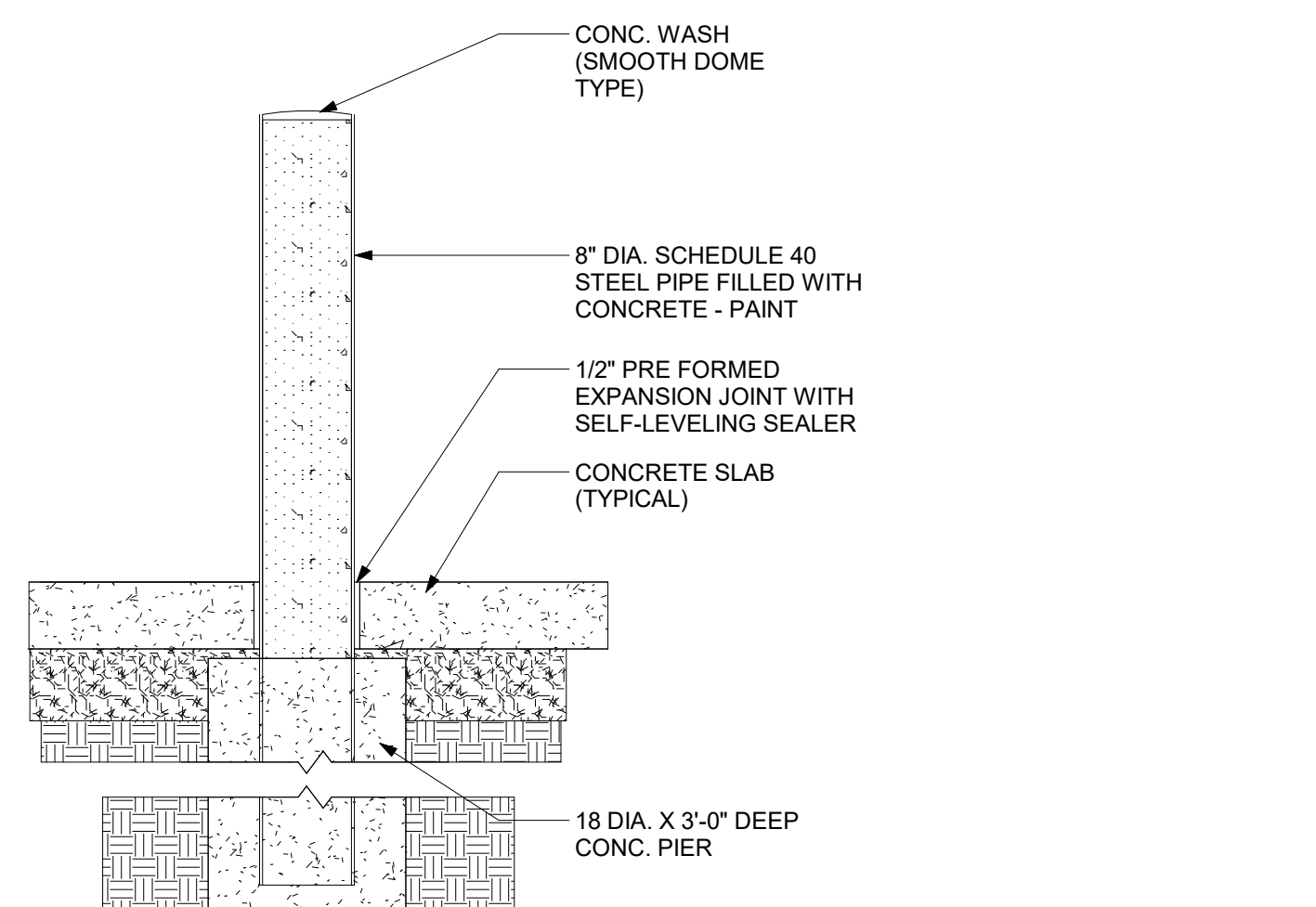
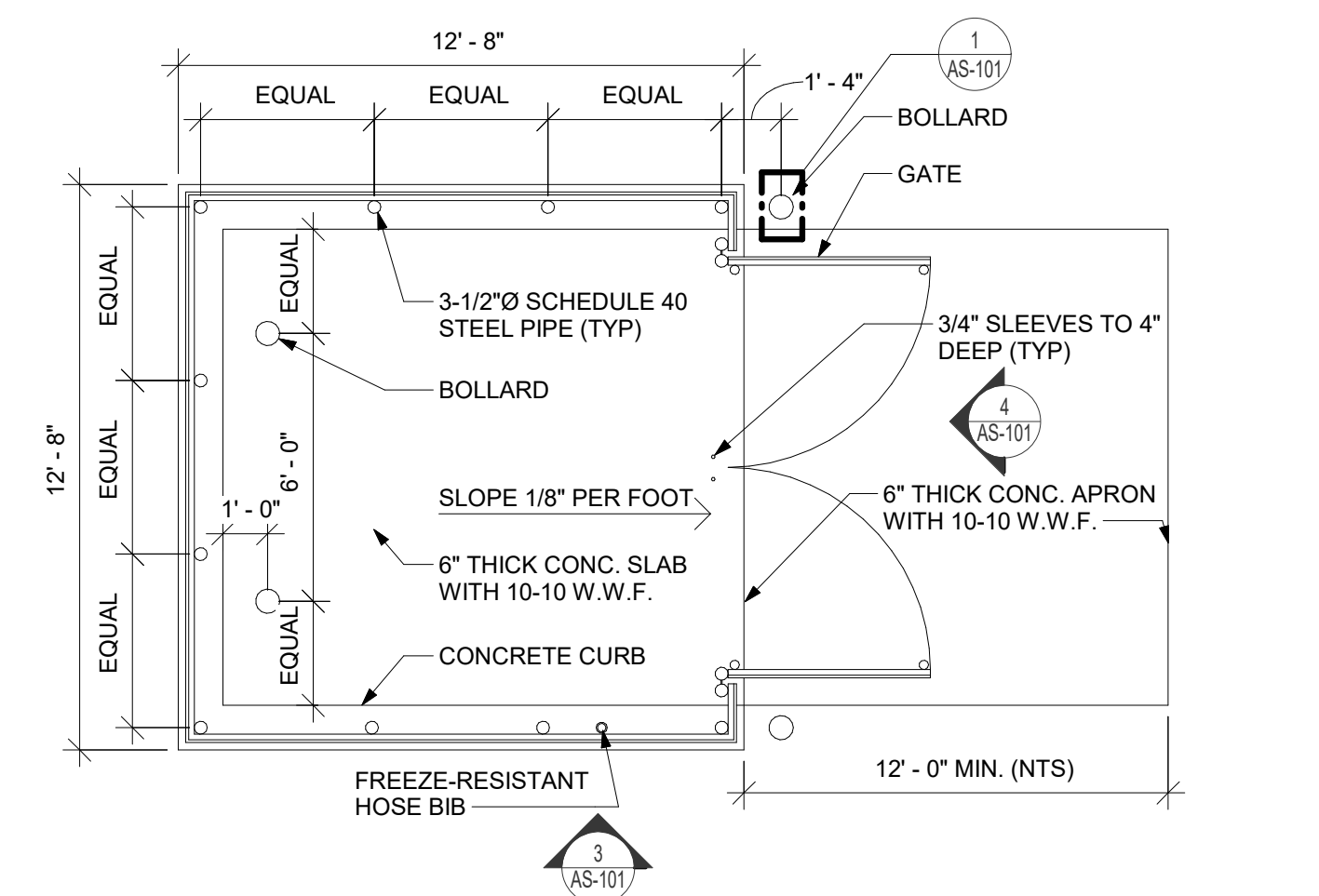
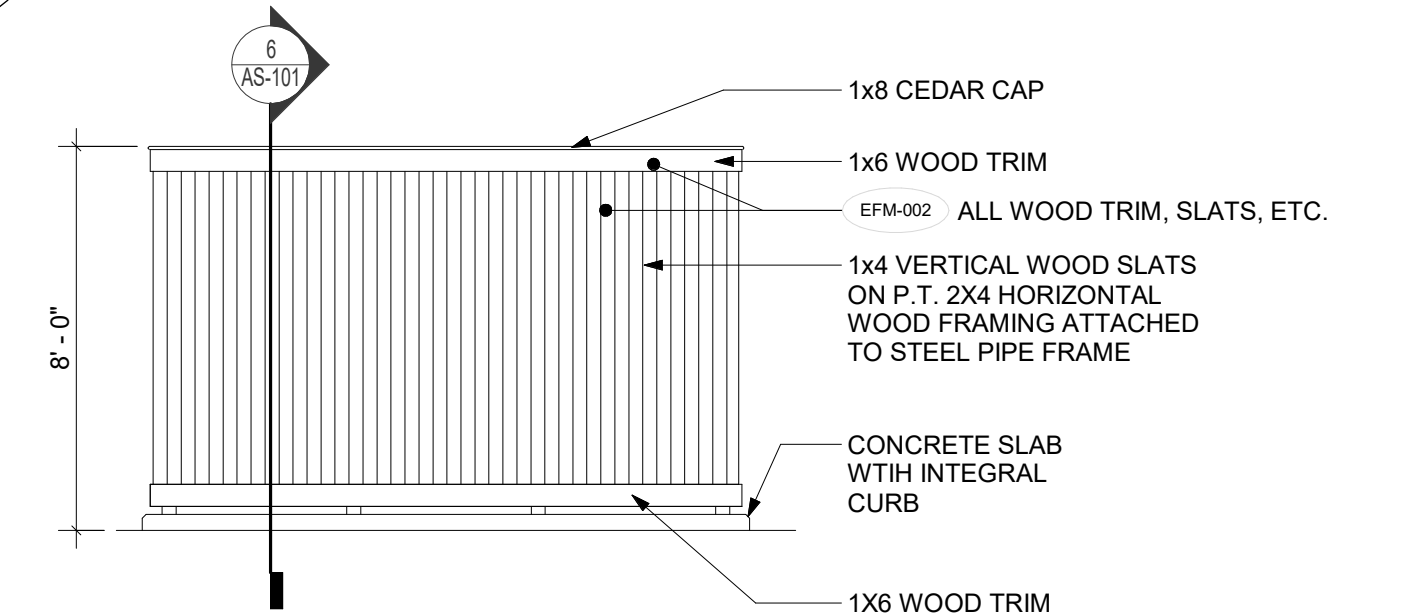
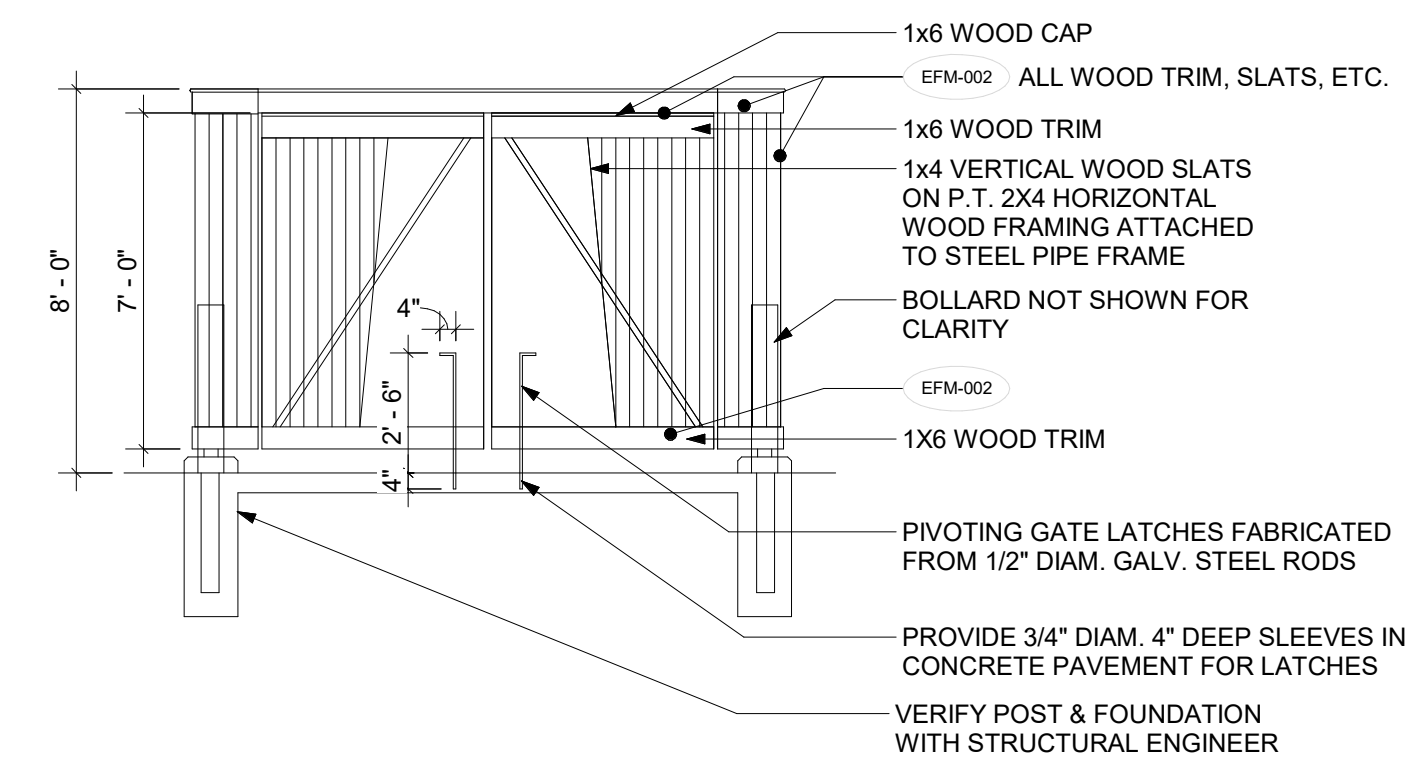
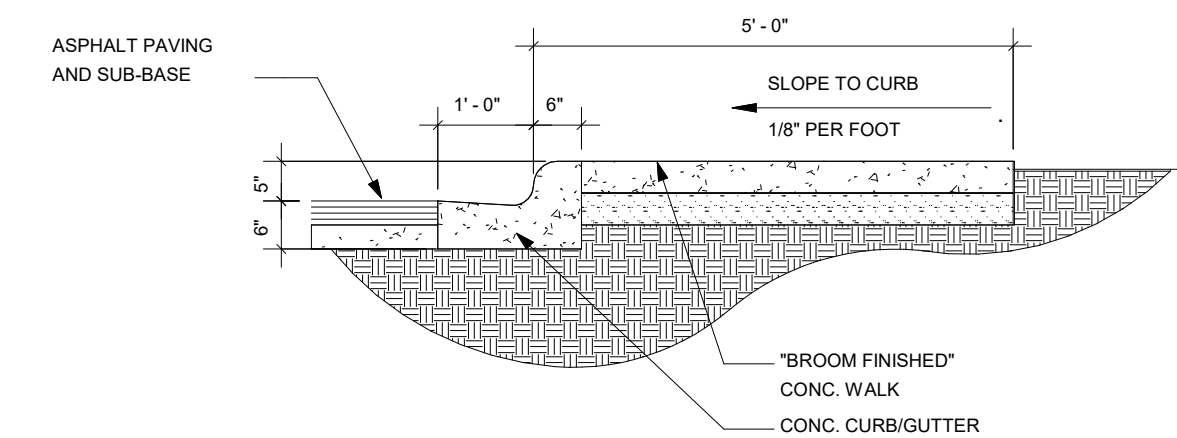
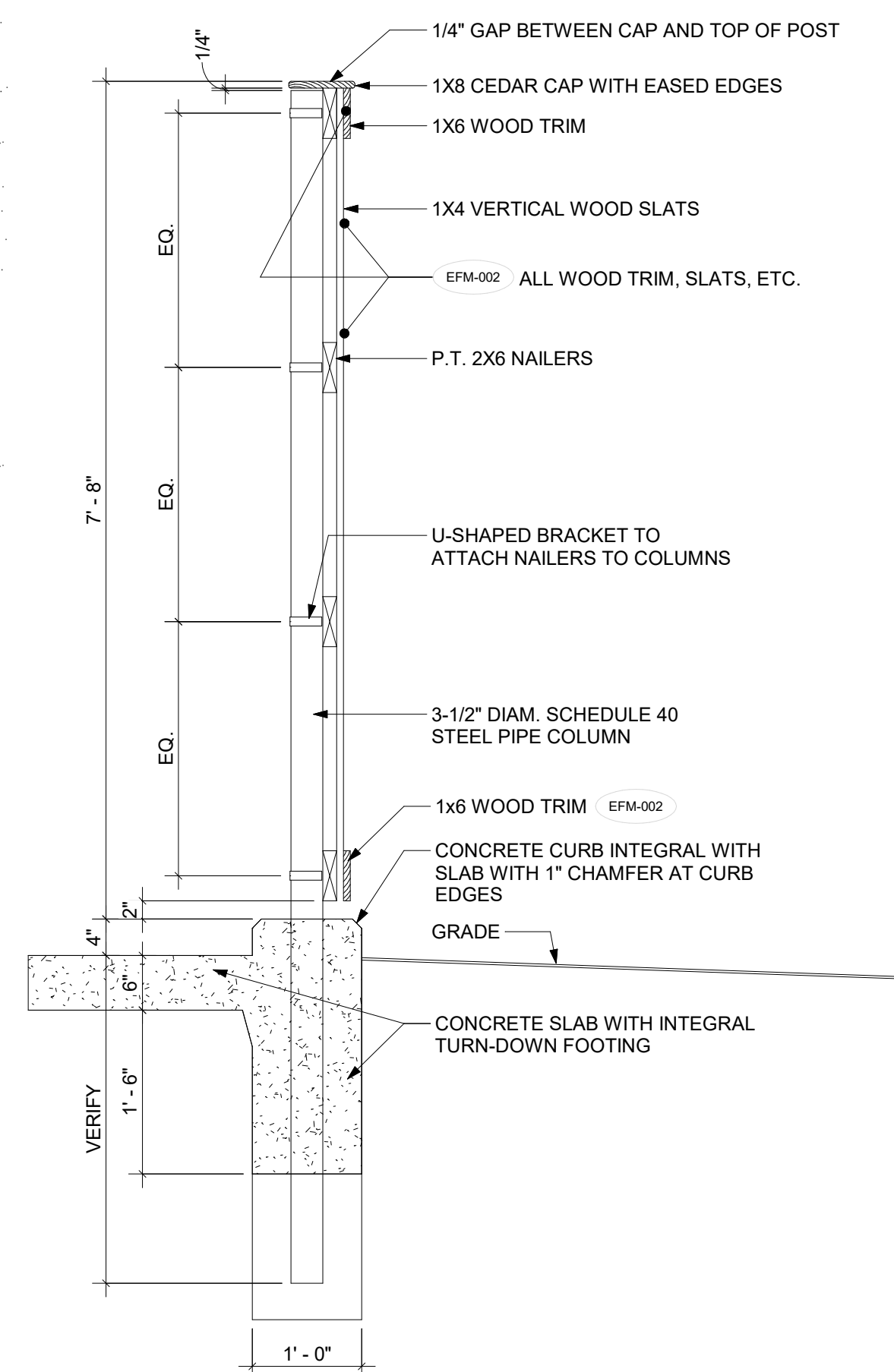
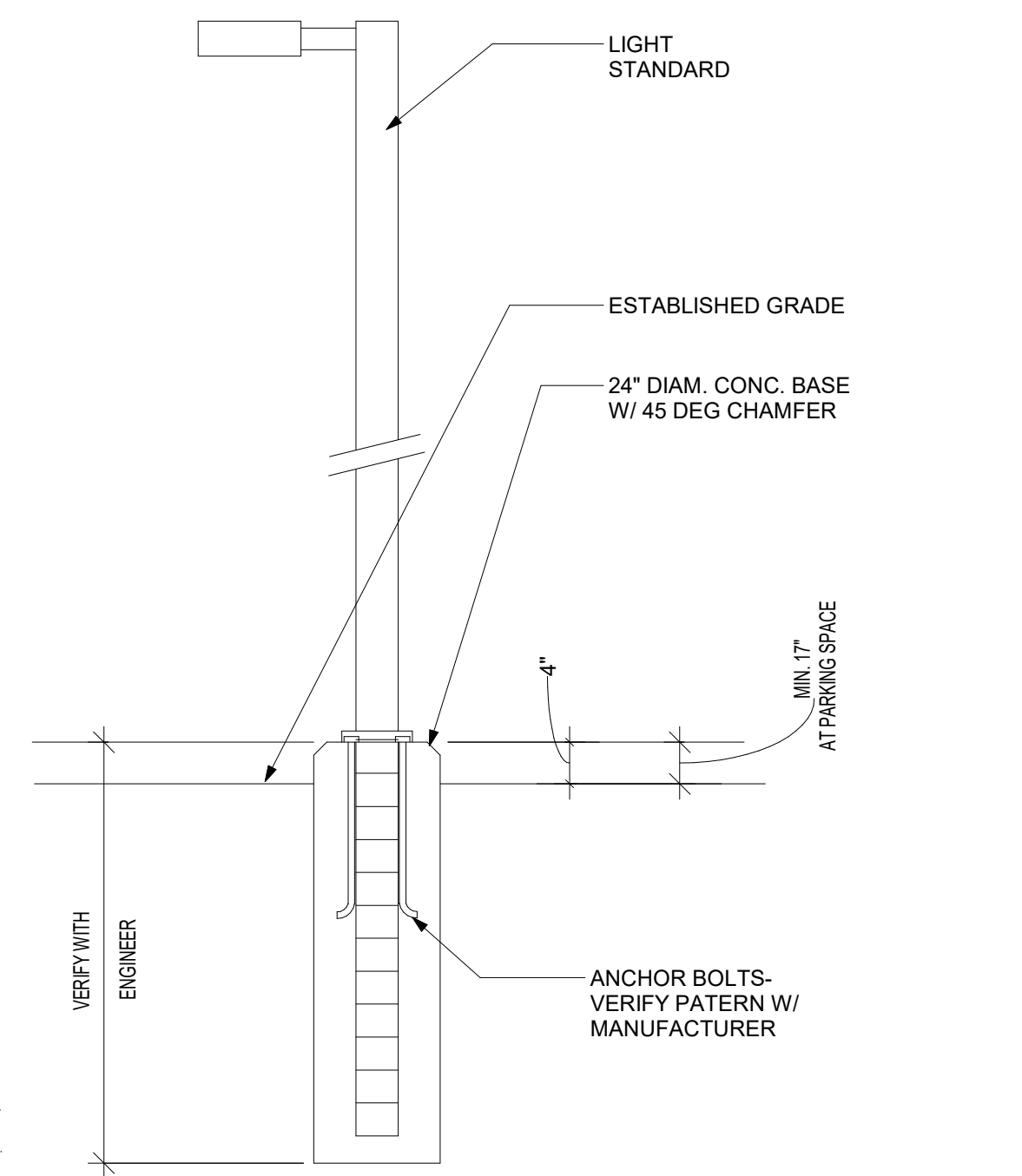
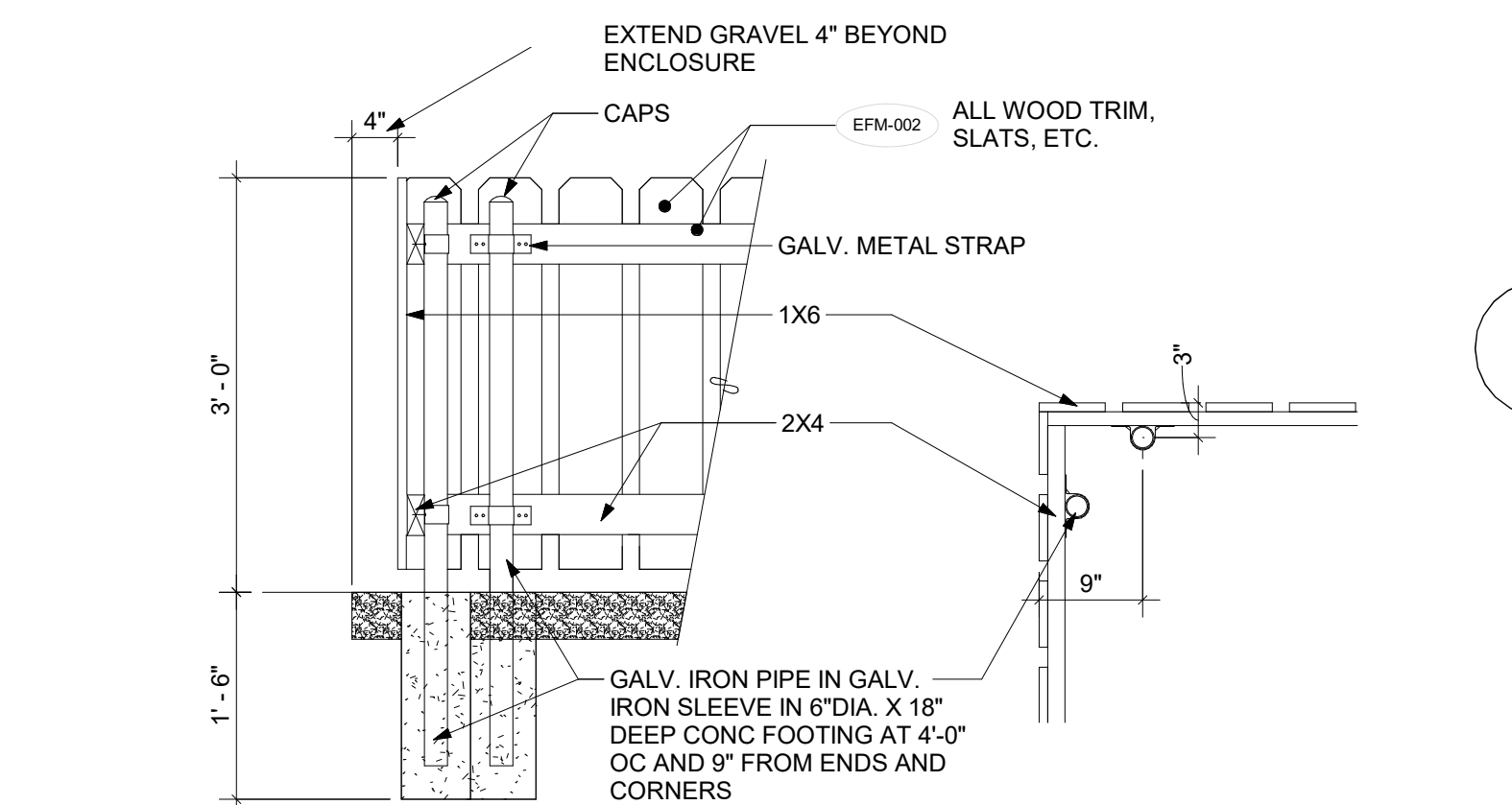
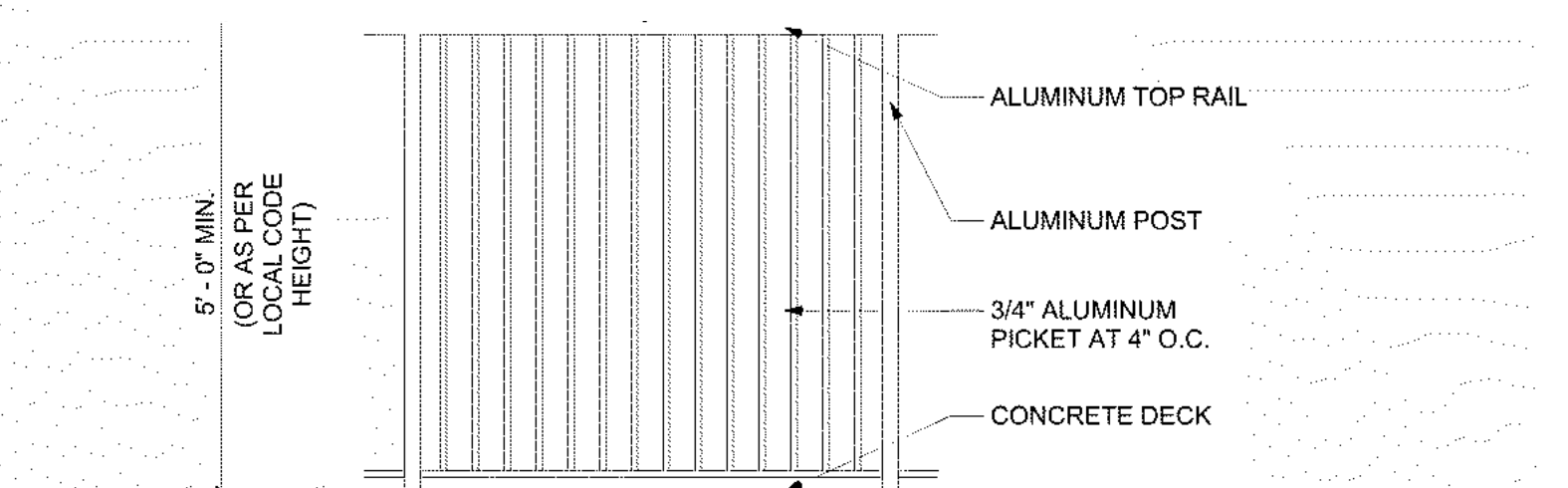
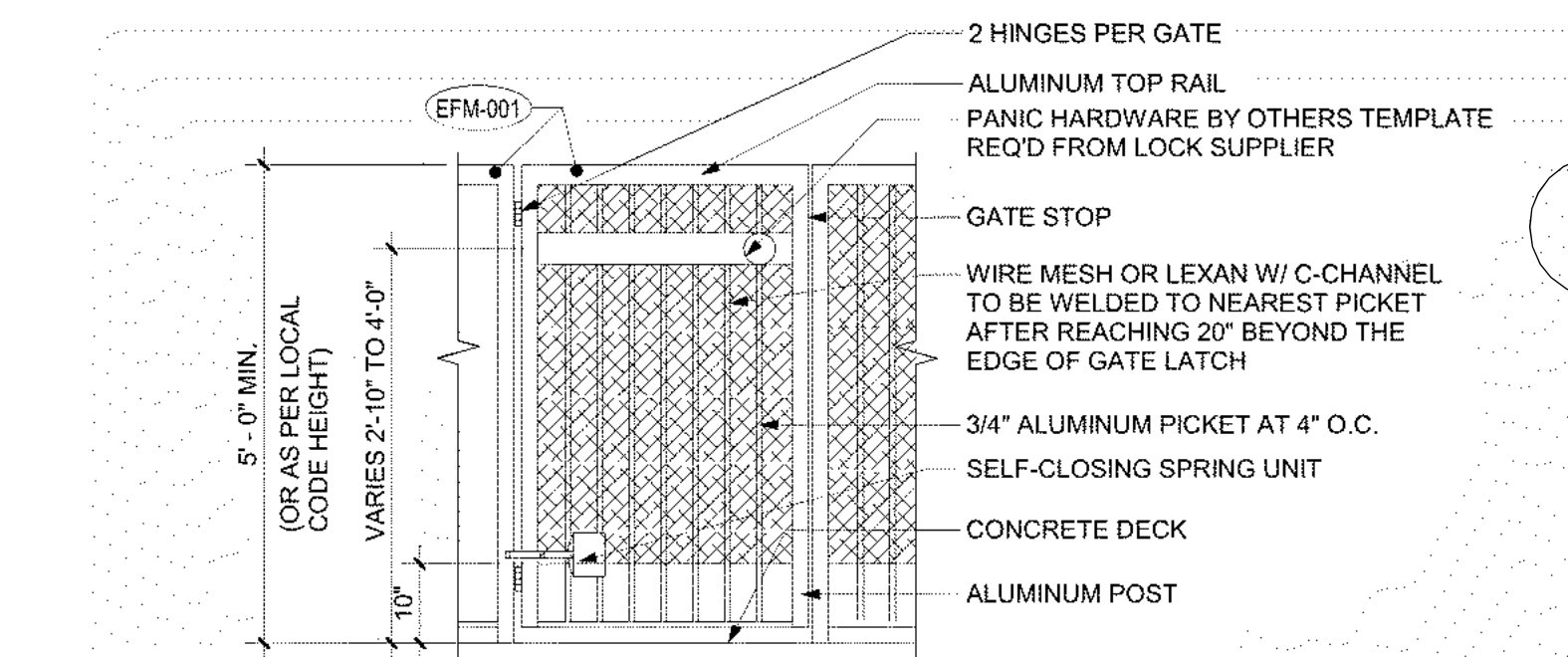
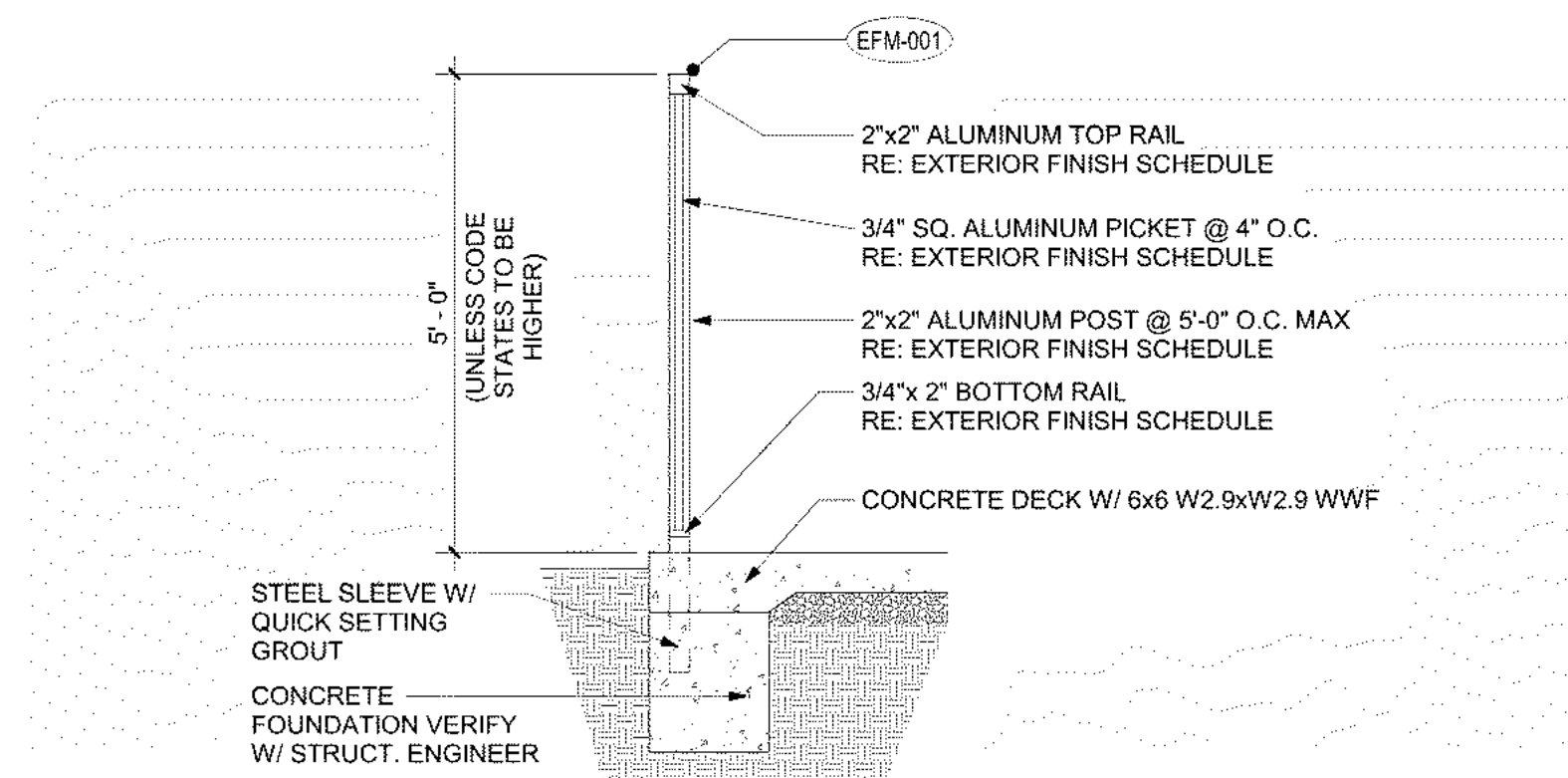
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
SITE PLAN

PROJECT NUMBER: 23098

SHEET NUMBER:

AS-100



PRINTS ISSUED
11/01/2023 - CITY SUBMITTAL

REVISIONS:

**rosemann
& ASSOCIATES** P.C.

ARCHITECTURE
INTERIOR DESIGN
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PLANNING

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TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
ARCHITECTURAL SITE AMENITIES

PROJECT NUMBER: 23098

SHEET NUMBER:

AS-101

11/1/2023 11:12:36 AM
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A. DESIGN CRITERIA

1. Design Codes:
- a. International Building Code: IBC 2018
 - b. Minimum Design Loads for Buildings and Other Structures: ASCE 7-16
2. Design Loads:
- a. Dead Loads
 - | | |
|---------------------------------|---|
| Floors | = 27 psf |
| Partitions in Residential Units | = 15 psf (additive to floor load) |
| Roof | = 20 psf plus mechanical equipment shown on roof plan |
 - b. Live Loads (reducible per code UNO)
 - | | |
|--------------------|-----------------------------------|
| Slab on Grade | = 100 psf |
| Residential Units | = 40 psf |
| Corridors (Public) | = 100 psf |
| Mechanical/Storage | = 125 psf (non-reducible) |
| Balconies | = 60 psf (1.5 x Occupancy Served) |
| Typical Roof | = 20 psf |
| Handrails | = 200 lb point load on top rail |
| | = 50 pf linear load on top rail |
 - c. Roof Snow Load
 - | | |
|--------------------------------------|----------|
| Ground Snow Load (p_g) | = 20 psf |
| Flat Roof Snow Load (p_s) | = 14 psf |
| Snow Exposure Factor (C_e) | = 1.0 |
| Snow Load Importance (I_s) | = 1.0 |
| Thermal Factor (C_t) | = 1.0 |
| Slope Factor (C_s) | = 1.0 |
| Snow Drift Load (p_d) | = 36 psf |
| Snow Drift width (w) | = 17'-3" |
| Snow Drift Load (Low Roof) (p_d) | = 40 psf |
| Snow Drift width (Low Roof) (w) | = 9'-8" |
| Rain on Snow Surcharge | = 5 psf |
 - d. Wind Load
 - | | |
|--|-------------------------|
| Basic Design Wind Speed, V | = 109 mph (3 sec. Gust) |
| ASD Wind Speed, V_{ASD} | = 85 mph |
| Risk Category | = II |
| Wind Exposure | = C |
| Internal pressure Coefficient (C_{pi}) | = ±0.18 |
| Components and Cladding (C_{pe}) | = ±0.18 |
 - | Zone | A=10%
1 | A=50 %
2 | A=100 %
3 |
|------|------------|-------------|--------------|
| 1 | +16/-52 | +16/-44 | +18/-34 |
| 2 | +16/-64 | +16/-58 | +16/-46 |
| 3 | +16/-84 | +16/-73 | +16/-48 |
| 4 | +28/-31 | +27/-29 | +28/-28 |
| 5 | +28/-37 | +27/-34 | +26/-31 |
 - Notes:
1. A is the Effective Wind Area as defined in ASCE 7 Ch. 26.
2. Linear interpolation between tabulated values is permitted.
3. Elements with Tributary Area (A_t) > 700 ft² shall be permitted to be designed using provisions for MWFRS.
 - e. Earthquake Load
 - | | | | |
|--|--|---|-------------|
| Risk Category | = II | | |
| Seismic Importance Factor (I_p) | = 1.0 | | |
| S_{DS} = 0.099g | S_{D1} = 0.068g | | |
| Soil Site Class: | C | | |
| S_{S15} = 0.88 | S_{D15} = 0.068 | | |
| Seismic Design Category | B | | |
| Basic Seismic Force Resisting System(s) | | | |
| Wood Walls with Wood Structural Panels (ASCE 7 Table 12.2-1 Line A.15) | | | |
| R = 6.5 | C_s = 3.0 | C_d = 0.013 | C_e = 4.0 |
| | C_s reduced to 2.5 per ASCE7-16 Table 12.2-1 footnote b) | | |
| Wood Walls with Panels of other Materials (Gypsum) (ASCE 7 Table 12.2-1 Line A.17) | | | |
| R = 2.0 | C_s = 2.5 | C_d = 0.043 | C_e = 2.0 |
| | C_s reduced to 2.0 per ASCE7-16 Table 12.2-1 footnote b) | | |
| Ordinary Precast Concrete Shear Walls (ASCE 7 Table 12.2-1 Line A.6) | | | |
| R = 3.0 | C_s = 2.5 | C_d = 0.029 | C_e = 3.0 |
| Design Base Shear, V ; C_u x W | | 185 kips | |
| Analysis Procedure | | = Equivalent Lateral Force Procedure (ASCE 7-16 Chapter 12.8) | |
| Rain Intensity (i) | = 3.5 in/hr | | |
3. Allowable Deflections:
- | | Total Load | Live/Snow/Wind Load | Absolute Maximum |
|-------------------------------------|------------|---------------------|------------------|
| Floor Joists/Trusses | L/360 | L/480 | 1" |
| Roof Joists/Trusses | L/240 | L/360 | 1.5" |
| Wall Framing (flexible finish) | L/360 | | 0.75" |
| Wall Framing (brittle/break finish) | L/600 | | 0.5" |
- Cantilever deflection limits are the more restrictive of 2 x the appropriate L/v — limit (e.g. 2L/360 = L/180) or absolute maximum value listed above, measured at the tip of the cantilever U.N.O.

4. Soil Properties:

- a. Soil properties are based on the project geotechnical report entitled Geotechnical Engineering Report Discovery Park Lot 3, prepared by Olsson on August 10, 2023 (herein known as "Geotechnical Report").
- b. Lateral Earth Pressure:

Cohesive Material, at Rest (Drained):	= 70 psf
Cohesive Material, at Rest (Undrained):	= 95 psf
Granular Material, at Rest (Drained):	= 55 psf
- c. Allowable Soil Bearing Pressure at End of Drilled Piers = 40,000 psf

B. STRUCTURAL ENGINEERING DESIGN NARRATIVE

1. McClure Engineering Company (McClure, MEC) is the Structural Engineer of Record (EOR) responsible for the documentation of structural design criteria, strength and stability the primary vertical and lateral load-carrying systems in their completed form, and conformance of the structural design to the applicable building codes. These drawings produced by McClure convey the structural engineering design for the project, which includes the following components and systems:
- a. Foundations consisting of drilled concrete piers and cast-in-place grade beams.
 - b. Slabs on grade.
 - c. Residential Building Framing:
 - i. Load-bearing wood wall and opening framing.
 - ii. Dimensional lumber wood floor and roof joists.
 - iii. Concrete on non-composite deck floor framing
 - d. Structural steel framing identified on the drawings
 - e. The lateral force resisting system of the structure consisting of sheathed wood structural walls and wood sheathing diaphragms.
2. The following items are Deferred Submittals. Framing intent and additional requirements for these structural components are provided within these drawings':
- a. Precast beams/columns/walls/hollow core framing – see general notes section "Precast Concrete"
 - b. Architectural precast concrete.
 - c. Structural steel connections – see general notes section "Structural Steel"
 - d. Wood roof/floor trusses – see general notes section "Wood Framing and Fastening" / see S001 and S002 for applicable design criteria
 - e. All premanufactured canopy and awning framing including connections to the structure.
 - f. Handrails at balconies – see S001 "Design Criteria" for applicable loading
- *Reference section "D. Submittal Requirements." Coordinate requirements of these drawings with those of other design consultant drawings and the Project Specifications.
3. The following items are specifically excluded from McClure's design scope as represented on these drawings:
- a. Requirements for fire rating of assemblies or fire protection of structural members
 - b. Global stability of soil mass
 - c. Any exterior slabs, bollards, curbs, and any enclosures not shown on these drawings
 - d. Inferior non-load-bearing wood framed walls or furring
 - e. Shoring design, formwork design, temporary bracing, and other means and methods items

C. GENERAL NOTES

1. All construction shall conform to the Design Codes in Section "A. Design Criteria," including all applicable standards and documents referenced within those codes.
2. Plan and detail notes provided on specific sheets within these drawings supplement information in these General Notes. Always coordinate the requirements of these notes with what is shown within the drawings.
3. Unless noted specifically on a plan, all floor plans show framing for the floor indicated and vertical framing (walls, openings, posts, columns) above that floor. The roof plan shows roof framing only.
- a. Structural steel and Hollow core floor plans show the floor framing for that level and the supporting columns.
4. Contract Document Coordination:
- a. The drawings contained herein are intended to be utilized in conjunction with other design consultant's drawings (architectural, civil, mechanical, etc.). It is the responsibility of the Contractor to coordinate the requirements of the drawings into their shop drawings and construction.
 - i. Refer to the Project Specifications issued as part of the contract documents for information supplemental to these drawings. Should conflicts between these drawings and the Specifications exist, the Contractor shall bring them to the attention of the structural engineer for clarification.
 - b. Refer to the architectural, mechanical, electrical, and civil drawings for location and size of block outs, inserts, openings, curbs, bases & pads, and dimensions not shown on these drawings.
 - c. Refer to the architectural drawings for size and location of doors and window openings, exterior wall assemblies, and floor, wall, and roof finishes. Refer to the mechanical and electrical drawings for additional information including locations of mechanical units, generators, etc.
 - d. Omissions or conflicts between various elements of the drawings, notes and details shall be brought to the attention of the structural engineer and resolved before proceeding with the work.
5. Use of Drawings in Construction:
- a. The Contractor shall verify all dimensions and conditions at the job site before commencing work and shall report any discrepancies to the engineer responsible for the design of that work.
 - b. Do not use scaled dimensions; use written dimensions or, where no dimension is provided, consult the structural engineer for clarification before proceeding with the work.
 - i. Where member locations are not specifically dimensioned, members are either located on column lines or are equally spaced between located members.
 - c. Details and keynotes shown shall be incorporated into the project at all appropriate locations, whether specifically called out or not.
 - d. McClure may provide the contractor with electronic files for their convenience and use in the preparation of shop drawings. These electronic files are not construction documents; the contractor is not relieved of his/her duty to fully comply with the contract documents, including the need to confirm and coordinate all dimensions and details, take field measurements, verify field conditions, and coordinate the contractor's work with that of other contractors for the project.
6. Changes During Construction:
- a. Any changes shall not be made in any structural member unless that member is specifically shown on these drawings. The Contractor shall seek approval in writing from the structural engineer for any design incorporating additional openings.
 - b. Support details shown for Architectural, Mechanical, Electrical, and Plumbing equipment as well as elevators is based upon additional information from the manufacturer (if any). The Contractor shall coordinate requirements of actual equipment supplied with details and shall provide additional framing required.
 - c. The Contractor has the responsibility to notify the structural engineer of any architectural, mechanical, electrical, or plumbing load imposed on the structure that is not documented on the Contract Documents or differs from what is originally shown. Provide documentation of location, load, size, and anchorage of all undocumented loads in excess of 250 lbs.
7. Construction Sequence and Methods:
- a. These drawings and the related Specifications represent the finished structure and, except where specifically shown, do not indicate the method or means of construction. Loads on the structure during construction shall not exceed the design loads indicated in Section "A. Design Criteria" as a maximum. The Contractor shall supervise and direct the work and shall be solely responsible for all construction means, methods, procedures, techniques, and sequence.
 - a. The Contractor is responsible for compliance with all applicable job-related safety standards proceeding from governing organizations (e.g. OSHA).
 - b. It is the responsibility of the Contractor to ensure the stability of the structural elements during construction as a result of means and sequence by providing shoring, bracing, etc. as required.
 - ii. Stability considerations should include all applicable temporary construction and environmental loads per ASCE 37 which may include wind and seismic forces.
 - i. Temporary bracing shall remain in place until positive connection is made between the floor/diaphragm and the lateral force resisting elements. This is a means and methods item.
 - iii. The Contractor may at their discretion employ a Specialty Structural Engineer, licensed in the state where the project is located, for the design of any temporary bracing, lifting, rigging, and shoring. Any sealed drawings, calculations, reports, etc. prepared for construction stability shall be submitted to the structural engineer for review.
 - c. The Contractor shall consider the effects of thermal movements due to hot or cold weather construction and the potential for extreme temperature variations before the structure is complete.
 - d. Any foundation wall restrained by a floor is not designed to be backfilled prior to the complete construction of the floor and the lateral bracing elements (shear walls, braced frames, etc.) below it. For backfilling before this time, temporary bracing shall be designed and provided by the Contractor.
 - e. The Contractor is responsible for the protection and repair of any adjacent existing structures, surfaces, and areas which may be damaged as a result of the work.

D. SUBMITTAL REQUIREMENTS

1. Submittal Procedures:
- a. The Contractor shall provide all submittals in PDF format unless otherwise requested or indicated in the Project Specifications.
 - b. All submittals must be reviewed by the Contractor prior to McClure's review. The Contractor is responsible for reviewing each submittal for basic coordination with these drawings and to verify that all the required components of the submittal are incorporated. The submittal must bear the electronic review stamp of the Contractor before McClure will proceed with the review.
 - c. Incomplete submittals or submittals not meeting the requirements of this section will not be reviewed. McClure will notify the contractor that the submittal is incomplete or unacceptable and that resubmission is required.
 - i. Submittals requiring engineering calculations for all or a portion of the work are considered incomplete without the sealed calculations and will not be reviewed.
 - ii. Shop Drawings shall be original drawings. Submissions incorporating any portion or reproduction of the contract documents will not be reviewed.
 - iii. Deferred Submittals not meeting the seal requirements of section D.2.a are considered incomplete and will not be reviewed. Resubmittals with comments from a previous review left unaddressed or without any response will not be reviewed.
 - d. Allow two weeks for review of all submittals unless an agreement for expedited review is made in writing by McClure.
 - e. McClure's submittal review scope of work includes a single submittal review and one review of the revised submittal if required (two reviews total of the same submittal). Time required for more than two reviews of a submittal is considered an additional service and will be billed hourly. McClure reserves the right to withhold review of a submittal surpassing this allowance until proper billing to the responsible party can be established.
 - f. Submittals must be returned to the Contractor by McClure bearing a stamp marked "Reviewed No Exception Taken" or "Reviewed With Comments/Exceptions" prior to proceeding with the work. Submittals marked "Rejected/Resubmit" must be reviewed according to the comments provided prior to commencing with the respective scope of work.
2. Deferred Submittals:
- a. See Section "B. Structural Engineering Design Narrative" for the list of items considered Deferred Submittals.
 - b. Deferred Submittals shall bear the seal of a professional engineer licensed in the state where the project is located. If the project requires a licensed Structural Engineer (S.E.) as the Engineer of Record according to state laws, the same qualification level applies to the engineer sealing the Deferred Submittals.
 - c. Deferred Submittal items shall not be installed until the Deferred Submittal documents have been approved by the Building Official.
3. Submittal List:
- a. Submittals (product data, test records, shop drawings, and/or calculations) are required for the following:

Submittal Name	Items Required:			
	Product Data	Shop Drawings	Test Records	Engineering Calculations
1. Concrete Mix Designs	X		X	
2. Concrete Break Reports			X	
3. Concrete Reinforcing Layout		X	X	
4. Concrete Anchor Bolts & Embedded Plates	X	X		
5. Concrete & CMU Anchors (Post-Installed)	X			
6. Post-Installed Anchor Substitutions				X
7. Post-Installed Connection Geometry Alteration	X		X	X
8. Precast Concrete Wall Panels		X	X	X
9. Precast Concrete Beams & Columns		X	X	X
10. Precast Concrete Hollowcore Plank			X	X
11. Brick & Stone Vener	X			
12. Structural Steel Framing	X	X		
13. Structural Steel Framing Connections				X
14. Steel Floor Deck	X	X		
15. Metal Railings & Connections	X	X		X
16. Metal Ladders & Connections	X	X		X
17. Fall Arrest Systems	X	X		X
18. Wood Framing Materials	X			
19. Wood Floor & Roof Trusses incl. Reactors			X	
20. Wood Truss Connections to Supporting Structure			X	X
21. Specialty Wood Fasteners	X			
22. Manufactured Wood Shear Panels	X			
23. All Cladding Systems & Attachments as Identified in the Architectural Drawings	X		X	X

- b. "Product Data" may indicate mill certifications, material data sheets, Evaluation Service Reports (ESRs), etc. See requirements of each material section.
 - c. Where "Engineering Drawings" and/or "Engineering Calculations" are indicated, the submittal must comply with the requirements of Item "2. Deferred Submittals" above.
4. Submittals For Record:
- a. The following items impact the structural design and therefore must be submitted to the engineer; however, they do not require review. They will be returned stamped as "Received For Record".
 - i. Elevator Shop Drawings with Loads & Structure
 - ii. Mechanical Equipment Shop Drawings with Weight

E. CONCRETE

1. Reinforced concrete shall have the following minimum 28 day compressive strengths:
- a. Slab on grade, unless noted otherwise: 4000 psi normal weight
 - b. Foundations and Grade Beams: 5000 psi normal weight
 - c. Drilled piers and pile caps: 4000 psi normal weight
 - d. Precast Concrete Walls and Columns: 4000 psi normal weight
 - e. Precast Concrete Beams: 7000 psi normal weight
 - f. Slabs on metal deck: 3000 psi normal weight
2. All concrete exposed to weather shall have 6% (+/- 1%) air entrainment.
3. Submit mix designs for all concrete mixes prior to placement. All submittals shall include the following:
- a. Batch quantities including admixture dosage rates.
 - b. Strength test results for trial mixes.
 - c. Aggregate source(s) and gradation(s).
 - d. Product data for cement, fly ash and other cementitious materials.
 - e. Product data for all admixtures.
4. Provide protection for reinforcing bars as follows:
- a. Cast-in-place concrete:
 - i. Concrete cast against and permanently exposed to earth: 3"
 - ii. Concrete exposed to earth and weather (formed):
 - 1. #5 and smaller: 1-1/2"
 - 2. #6 and larger: 2"
 - iii. Concrete not exposed to weather and not in contact with ground:
 - 1. Slabs and walls: 3/4"
 - 2. Beams and columns: 1-1/2"
 - b. Provide construction or control joints in slab on grade as shown on plans. If joint pattern is not shown, provide joints at 10'-0" x 10'-0" and at locations to conform to bay spacing wherever possible (at column centerlines, half bays, third bays, etc.).
 - c. Interface of all slab and beam construction joints shall be roughened with 1/4" angle. Surface of construction joints shall be clean and free of laitance. Immediately before new concrete is placed, construction joints shall be wetted and standing water removed.
 - d. Construction joints in walls shall be keydove and placed at locations approved by the Architect and Structural Engineer.
 - e. Provide control joints in all retaining walls at 15 ft to 20 ft intervals.
5. Elevator pit walls shall not have control joints as they are part of the lateral system.
- a. Provide PVC waterstops in all below grade construction joints and at other locations as shown.
 - b. Provide compressible filler and sealant in all slab-on-grade wall and column interfaces that are not dowelled together.
 - c. All column pockets shall be filled with concrete after column is erected.
 - d. Sleeves and openings in slabs not shown on structural drawings or outside the parameters of typical sleeve details are not permitted, unless approved by the Structural Engineer.
 - e. Conduit and pipes embedded in slabs, walls, or grade beams shall be no larger in outside dimension than 1/3 the overall member thickness and shall be placed no closer than 3 diameters or widths on center.
 - f. Conduits and pipes shall not be permitted in concrete slabs or columns.
 - g. See "G. Foundations" section 5 for requirements at slab on grade.
 - h. Bond break material for pile joints shall be 1/8" thick tempered particleboard, 1/8" thick high-density plastic elastomeric strips, two layers of 10mil polyethylene sheeting or equivalent.
 - i. Provide concrete housekeeping pads under all mechanical, plumbing, fire protection, and electrical equipment per plans. Pads shall extend beyond equipment a nominal 6" on all sides. Provide reinforcing per details.
 - j. At floor drains, locally slope floor towards drain. See architectural and plumbing drawings for drain locations.
 - k. Foundation walls shall be temporarily braced until positive attachment is made to floor framing per details. This is a means and methods item.

F. REINFORCING FOR CONCRETE

1. General
- a. All reinforcing steel to be ASTM A615, Grade 60, deformed bars, unless noted otherwise.
 - i. Any reinforcing to be welded shall be ASTM A706 and welded with E80 electrodes.
 - ii. Alternatively, ASTM A615 reinforcing may be welded with E80 electrodes and proper preheat according to AWS D1.4.
 - iii. E70 electrodes are not permitted for welding rebar.
 - b. Welded wire fabric shall be ASTM A185. Welded wire fabric shall be in flat sheets.
 - c. All reinforcing bars to be detailed and placed in accordance with the ACI Manual of Standard Practice for Detailing Reinforced Concrete Structures' specifications.
 - d. All reinforcing, including dowels, shall be securely tied and cast with the lower member. Placing reinforcing after concrete has been placed will not be permitted.
 - e. Steel bending of reinforcing partially embedded in concrete will not be allowed unless specifically noted on the drawings or approved by the Structural Engineer.
 - f. All reinforcing bars shall be contact lap spliced or dowelled as follows, unless noted otherwise:

Tension Development and Splice Lengths for $f_c = 5,000$ psi									
Bar Size	Development			Class "B" Splice			Standard 90 deg. Hook		
	Top	Other	Bar	Top	Other	Bar	Embed	Leg	Bend Dia.
#3	17	13	22	17	6	6	6	2-1/4	
#4	22	17	29	22	6	6	8	3	
#5	28	22	36	28	8	10	10	3-3/4	
#6	33	26	43	33	9	12	12	4-1/2	
#7	49	37	63	49	11	14	14	5-1/4	
#8	55	43	72	55	12	16	6		
#9	63	48	81	63	14	19	8	9-1/2	
#10	70	54	91	70	15	22	10	10-3/4	
#11	78	60	101	78	17	24	12		
#14	94	72	---	---	29	31	18-1/4		
#18	125	96	---	---	39	41	24		

Tension Development and Splice Lengths for $f_c = 4,000$ psi									
Bar Size	Development			Class "B" Splice			Standard 90 deg. Hook		
	Top	Other	Bar	Top	Other	Bar	Embed	Leg	Bend Dia.
#3	19	15	24	19	6	6	6	2-1/4	
#4	25	19	32	25	7	8	3		
#5	31	24	40	31	9	10	10	3-3/4	
#6	37	29	48	37	10	12	4-1/2		
#7	54	42	70	54	12	14	5-1/4		
#8	62	48	80	62	14	16	6		
#9	70	54	91	70	15	19	9-1/2		
#10	79	61	102	79	17	22	10-3/4		
#11	87	67	113	87	19	24	12		
#14	105	81	---	---	32	31	18-1/4		
#18	139	107	---	---	43	41	24		

- 1. Straight development and Class "B" splice lengths shown in above tables are based on 13" diameter bars assuming center-to-center bar spacing $\geq 3 \times$ bar dia or $\geq 4 \times$ bar dia, with ties or stirrups, and bar clear cover $\geq 1 \times$ bar dia. Normal weight concrete as well as no transverse reinforcement are both assumed.
 - 2. Standard 90 deg. hook embedment lengths are based on bar side cover $\geq 2 \times$ bar dia and bar cover $\geq 2 \times$ bar dia.
 - 3. For special seismic considerations, refer to ACI 318 Code Chapter 21.
 - 4. All tension splices shall be Class "B" splices unless noted otherwise on plans.
 - g. All welded wire fabric shall be lapped 12" or 48 wire diameters, whichever is greater.
 - h. Provide (2) #5 x 6'-0" diagonals at all corners of openings and re-entrant corners, unless noted otherwise.
 - i. Dowels between foundation and walls shall be installed and shall be the same grade, size, and spacing as the vertical wall reinforcing, unless noted otherwise.
 - j. Provide corner bars to match longitudinal reinforcing in all footings. Provide (2) corner bars at tee intersections.
 - k. Provide 500 pounds of miscellaneous straight bar reinforcing (#4 & #5) to be used in field for special conditions. Labor for placing same to be included.
2. Slabs and Slabs-on-Grade
- a. All slabs on grade to be reinforced with 6x6 - W2.9xW2.9 welded wire fabric, unless noted otherwise.
3. Walls

M. STEEL FLOOR AND ROOF DECK

1. General:
- a. Install steel deck according to procedures outlined in the latest edition of the "SDI Manual of Construction with Steel Deck" published by the Steel Deck Institute. One copy shall be maintained on site.
 - b. All steel roof deck shall be welded to supporting beams and joists and erected in accordance with manufacturer's latest recommendations.
 - c. Deck shall be continuous over 3 spans, unless noted otherwise.
 - d. Provide welds or screws at parallel edges equal to specified fastening as supports. Fasten to all parallel supports – both at edges and in the field of the deck. Raise steel supports or provide shims at weld points if the deck valley does not engage the support.
 - e. Provide welding washers as required by manufacturer's recommendations.
 - f. All miscellaneous accessories -- pour stops, column closures, etc. -- will be installed in accordance with mfg recommendations and the Steel Deck Institute.
 - g. Pour stops shall be A36 steel angles (1/4") to finish floor height unless otherwise noted.
 - h. The use of any equipment weighing over 150 pounds for installation or finishing of concrete or roofing is prohibited without prior approval from the Engineer. Request MUST be made prior to submittal of shop drawings for deck and supporting structure to be considered.
 - i. Concrete placed on steel deck shall have a constant thickness. Thickness shall be maintained by probing the deck at supports and at mid-span between supports. It is not permissible to finish the deck to be flat unless a design is submitted demonstrating that the deck and supporting structure can support the additional concrete weight.
2. Roof Deck:
- a. Roof deck properties shall be as follows based on deck type indicated on plans:
 - i. 1 1/2" wide rib 22 Ga. $f_{u,w} = .0295$, $f_{y,w} = 0.155$ in/ft, $S_{x,w} = 0.186$ in/ft, $S_{y,w} = 0.192$ in/ft, and $F_y = 33$ ksi
 - b. Roof deck shall be phosphatized / painted unless noted. Coordinate with roof system – galvanneal deck is required for some insulating concrete roof systems.
 - c. Roof deck shall be welded to supports with 5/8" Ø puddle welds and fastened at midspan with #10 screws as follows:
 - i. 1.5B. 36/4 Weld pattern w/ 1 sidelap fastener per span
3. Floor Deck:
- a. Floor deck properties shall be as follows based on deck type indicated on plans:
 - i. 1 1/2" Normal Weight Concrete on 9/16" deck (2" Total)
 - ii. 9/16" non-composite 28 Ga. $f_{u,w} = .0149$, $f_{y,w} = 0.012$ in/ft, $S_{x,w} = 0.035$ in³/ft, $S_{y,w} = 0.036$ in³/ft, $F_y = 60$ ksi,
 - b. Floor deck shall be welded to supports with 5/8" Ø puddle welds with 30/4 pattern, with 0-94 fasteners.
 - c. Metal floor deck shall be galvanized in accordance with the requirements of ASTM A653-A G90.

G. FOUNDATIONS

1. Foundation design is based on Geotechnical Report prepared by Olsson, dated Aug. 10, 2023. See documents for additional information.
2. The geotechnical report shall be considered part of the construction documents.
3. A geotechnical representative shall be retained on site for all construction activity to verify that all proper requirements have been met to meet the design requirements outlined in the geotechnical report. Representative shall be Olsson Engineers or someone familiar with all documents of the geotechnical investigation provided for the project.
4. The Contractor shall provide dewatering of excavations from surface water and ground water. Do not place concrete if water is present at base of excavation.
5. Piers
- a. Piers shall be drilled piers with adequate capacity and shall have a depth into soil strata as indicated on the "Drilled Pier Schedule" on sheet S100. Depth of pier into indicated soil strata shall be verified by the Geotechnical Engineer's representative or other qualified geotechnical personnel.
 - b. Excavations for drilled piers shall be approved by the geotechnical engineer prior to placing reinforcing and concrete. The inspector shall be present continuously monitor the drilling operations. The geotechnical engineer shall submit boring logs and a letter of compliance to the owner.
 - c. Concrete should be placed in pier holes immediately after holes are drilled, cleaned, and observed. Concrete for piers shall be as specified in Specification Section 03300 Cast-In-Place Concrete. Concrete shall not be placed if there is more than 3" of free water at the bottom of the hole. Pumping the bottom of the pier holes to displace the water shall be done if required.
6. Slab on Grade
- a. Slabs shall be constructed as shown on the plans.
 - b. Parking slab-on-grade shall be placed on subgrade prepared in accordance with the requirements of the geotechnical report and the details in these construction documents.
 - c. A 10mil minimum vapor retarder shall be installed under all slabs on grade in occupied or conditioned spaces per the drawings. See the geotechnical report for additional information regarding the installation of the vapor retarder.
 - d. Provide joints at 30' x slab thickness (+/-) in both directions and located to conform to bay spacing wherever possible (at column centerlines, half bays, third bays, etc.). Submit control joint layout for approval by the Structural Engineer. Control joints shall not be placed parallel within 12'-0" of any walls below grade.
 - e. Saw cut control joints shall be done late enough to prevent raveling of the cut edges and early enough to prevent racking of the slab ahead of the saw blade.
 - f. Plumbing and utilities passing through the slab on grade shall be constructed with flexible fittings to allow for slab movement. The expected slab movement for the parking slab shall be considered up to 2" minimum for fittings.
 - g. Other slabs to be cured according to ACI Standards. Concrete slab cure to be compatible with any sealer, grout, or adhesive that may be used in the floor later.
 - h. Locally slope floor towards any floor drains. See architectural and plumbing drawings for drain locations.
7. Geotechnical

J. STRUCTURAL STEEL

1. Materials:
- a. Materials shall conform to the following, unless noted otherwise.
- i. Rolled W/F shapes ASTM A992, Fy = 50ksi
- ii. Plates and angles ASTM A572-50
- iii. Channels ASTM A36
- iv. HSS: Rectangular ASTM A500, Grade C
- v. HSS: Round ASTM A500, Grade C
- vi. Bolts ASTM F3125
1. All bolts shall be Grade A325 or F1922, UNO
2. Bolts designed as "A490" shall be Grade A490 or F2280
- vii. Nuts ASTM A563 DH or A194
- viii. Washers ASTM F436
- ix. Anchor Bolts ASTM F1554 Grade 36, UNO
- x. Threaded Rods ASTM A36
- xi. Studs ASTM A108, Type B Nelson headed shear stud connectors or equal.
- xii. Electrodes Matching weld metal, 70 ksi minimum strength.
- b. Finishes
- i. Prepare all surfaces that will be exposed in accordance with SSPC SP3.
- ii. All exterior steel components exposed to view or weather shall be galvanized in accordance with ASTM A123.
- iii. All exterior welded connections shall be cold galvanized in accordance with ASTM A780.
2. Fabricator:
- a. Steel fabricator shall be AISC Certified.
- b. Structural members shall be detailed, fabricated, and erected in accordance with the latest edition AISC Code of Standard Practice.
- c. Structural steel fabrication and erection drawings must be submitted to the engineer for review and approval prior to fabrication.
- d. Fabricator shall engage a professional engineer registered in the state of the project for the design and detailing of:
- i. Steel connections.
- ii. Temporary bracing.
- iii. Steel deck (for continuity and load transfer).
3. Connections:
- a. The contractor has the option to use bolted or welded connections. Any connections not specifically detailed on the drawings shall be designed by a professional structural engineer licensed in the project state and retained by the fabricator. In general, any connections shown on the drawings are schematic and are intended to show only the relative relationship of the connected members.
- b. Structural design calculations for all beam and bracing connections shall be submitted to the engineer prior to fabrication and should include the following (as a minimum):
- i. All plate dimensions and grades (minimum plate thickness shall be 3/8").
- ii. All weld sizes, lengths, pitches and returns.
- iii. Number and type of bolts.
- c. Connection design forces:
- i. Beam shear connections shall be designed for the actual reactions indicated on the drawings. Connection forces shown on drawings are envelope reactions based on ASD load combinations.
- ii. Connections indicated on the drawings as moment-resisting shall be designed for the moment shown. If moment is not indicated on the drawings, connection shall be designed to develop the full capacity of the member.
- iii. Columns have not been checked for local effects at connections. Fabricator shall verify if stiffener or web doubler plates are required and provide as necessary. Column size may also be increased with approval of the Structural Engineer.
- iv. Connection loads indicated on the drawings include compensation for Code permitted stress increases and load reductions for connection design.
- d. Bolted Connections:
- i. Minimum bolt diameter shall be 3/4".
- ii. Slip critical connections shall be used for bracing members, moment-resisting connections, cantilevers, and as indicated on the drawings. Standard oversized and long-slotted holes are permitted for friction-type connections.
- iii. All non-slip-critical connections shall be typical bearing type. Oversized or slotted holes are not permitted unless indicated on the drawings.
- iv. The fabricator is responsible for verifying the tensile capacity of axially loaded members with the presence of bolt holes. Increase member size, add plates (etc) as required.
- e. Welded Connections:
- i. All fillet welds shall be sized according to AISC minimums, but never less than 3/16" (UNO).
- ii. All welds shall be performed in accordance with the latest edition of the AWS Structural Welding Code.
4. Erection:
- a. All structural steel to be fabricated and erected in accordance with latest AISC specifications.
- i. It is the responsibility of the contractor to ensure that structure is maintained in a safe, stable configuration at all times.
- ii. Any shoring required shall be submitted with engineering calculations for approval.
- b. Splicing of steel members not specifically shown on the drawings is prohibited without prior approval from the engineer.
- c. All beams shall be installed with the mill camber up.
5. Steel Lintels:
- a. Loose lintels for masonry at all openings shall be the following, one angle per 4" wythe of masonry:
- i. L 3-1/2 x 3-1/2 x 5/16 for spans less than 5'-0"
- ii. L 5 x 3-1/2 x 5/16 for spans between 5'-0" and 7'-11"
- iii. L 6 x 3-1/2 x 5/16 for spans between 8'-0" and 9'-7"
- iv. L 7 x 4 x 3/8 for spans between 9'-8" and 11'-10"
- b. Lintel sizes are based on 35 psf brick weight with 8'-0" max height of brick above the lintel.
- c. Lintels shall bear 8" minimum each end.
- d. Lintels carrying brick shall be galvanized.
- e. All double angle lintels back-to-back shall be bolted at 32" o.c. maximum spacing, with 5/8" diameter A307 bolts, a minimum of two bolts per span.
- f. See architectural and mechanical drawings for opening sizes and locations.

L. WOOD SHRINKAGE

1. IBC 2304.3.3 requires that architectural, mechanical, electrical, and plumbing systems be designed to accommodate movement due to shrinkage. McClure Engineering Co. takes no responsibility for the naturally occurring shrinking that will occur.
2. Estimated values are based upon the following moisture content:
- a. At installation (MC) = 19%
- b. At equilibrium (EMC) = 8%
3. The following recommendations are intended to minimize the potential issues associated to wood shrinkage. Implementation and liability are ultimately up to the contractor or design professional responsible for the impacted trade.
- a. Mechanical, Electrical, Plumbing
- i. Allow construction gaps in the wood framing to close by delaying installation of MEP as long as possible to allow for additional dead load to be installed.
- ii. Provide oversized or long slotted holes at pipe penetrations. Holes must be within conformance of typical penetration details.
- iii. Rigid connections shall be adjusted before completion of construction of closing of wall and ceiling assemblies.
- iv. All vertical steel metal down spouts shall have intermediate slip joints.
- v. Roof Drains shall utilize adjustable fittings. Fittings must be adjusted at the completion of construction and then as required to maintain proper drainage.
- b. Architectural Considerations
- i. Stucco, EIFS and brittle finishes shall have horizontal expansion joints, slip joints with appropriate waterproofing.
- ii. Brick and stone finishes shall have ties that accommodate differential movement.
- iii. Provide adjustable thresholds or transitions at rigid transitions such as CMU or concrete stair and elevator shafts.
- c. Construction tolerance
- i. Limit shortening due to nesting by cutting all studs level square and tight against plates.
- ii. Structural wood panels shall have 1/2" relief gaps at each floor to limit bulging.
- iii. Floor sheathing shall have 1/8" gaps on all sides during installation to accommodate movement.
- iv. Shear wall hold downs shall be checked and re-secured immediately prior to sheathing walls.
- v. Delay gyp topping around concrete and CMU stair or elevator shafts until completion of construction.
- d. Material storage
- i. Stored materials shall be covered and elevation from the elements.
- ii. Do not allow water to pond on floor sheathing. Provide drain holes if required to allow water to quickly drain if water does temporarily pond.
- e. Post occupancy
- i. McClure recommends a review of roof drains every 3 months for the first 24 months of occupancy and then annually. Adjust drains as required to maintain watertight integrity.
- ii. McClure recommends review of joints at exterior doors, windows and finish transitions. Waterproof as needed where original joints fail per the architect's recommendations.
- iii. Remedial self-leveling work may be required around concrete or CMU stair and elevator towers to accommodate shrinkage.

K. WOOD FRAMING AND CONNECTIONS

1. Install rough carpentry according to the American Institute of Timber Construction Manual. It is the responsibility of the contractor to verify all dimensions prior to erection.
2. Material:
- a. Sawn lumber
- i. Sawn lumber shall be grade stamped and visually graded with maximum 19% moisture content.
- ii. All members shall meet strength requirements in NDS "National Design Specification for Wood Construction".
- iii. Joists, rafters, and nailers with nominal depth 8" or less shall be Southern Pine (SP) or Douglas Fir-Larch (DFL), No. 2 or better, UNO.
- iv. Joists, rafters, and nailers with nominal depth greater than 8" shall be Southern Pine (SP) or Douglas Fir-Larch (DFL), No. 1 or better, UNO.
- v. All members used as columns or beams (including headers) shall be cold of any significant defects (ie. Checking, warping, etc.) at the time of erection.
- vi. All exterior posts shall be Western Red Cedar No. 2 or better.
- vii. Bearing and shear wall studs, and wall plates, shall be Douglas Fir-Larch (DFL), No. 2 or better.
- b. Structural Composite Lumber
- i. SCL shall meet material specifications in ASTM D5456
- ii. SCL shall include laminated veneer lumber (LVL), laminated strand lumber (LSL), oriented strand lumber (OSL) and parallel strand lumber (PSL)
- iii. All SCL materials shall be graded as indicated on the plans.
- c. Glued-laminated timber (GLT) shall be manufactured and identified as required in ANSI/AITC A-190.1 and ASTM D3737.
- i. Glulam shall be graded as indicated on the plans.
- d. Structural Panels
- i. All plywood or oriented strand board (OSB) panels shall meet the strength requirements in Department of Commerce (DOC) PS 1 and PS 2 or ANSI/APA PRP 210.
- ii. All structural panels (walls, floor and roof) shall meet the Structural 1 grading standard.
- e. Connectors and Fasteners
- i. Metal connectors and associated fasteners used for the applications indicated shall meet the following minimum standards:
1. Untreated Lumber
- a. ConnectorsASTM A653 G90
- b. Bolts and Anchor RodsASTM F1554 Gr36
- c. Nails and StaplesASTM F1667
2. Sodium Borate (SBX) Pressure Treated Lumber
- a. ConnectorsASTM A653 G90
- b. BoltsASTM A307
- c. Anchor RodsASTM F1554 Gr 55
- d. Nails and StaplesASTM F1667 with A153 Hot Dipped Galvanized
3. All Other Pressure Treated Lumber (e.g. ACQ-C, ACQ-D, CA-B, CBA-A, ACZA)
- a. ConnectorsAISI SS Type 304 or 316
- b. BoltsASTM A193, GrB7
- c. Anchor RodsASTM A193, GrB7
- d. Nails and StaplesASTM F1667 using AISI Type 304 or 316 Stainless Steel
- ii. Fasteners utilizing dissimilar materials are prohibited.
- iii. Power driven fasteners shall comply with NES-NER-272.
- iv. Fastener installation whether power driven or otherwise shall be in accordance with the Building Code and the manufacturer's recommendations. In general fastener heads shall be installed normally flush with the outer ply of the connection. Sheathing and support framing damaged by overdriven fasteners shall be removed and replaced.
- v. Aluminum fasteners and flashing shall not be in contact with pressure treated lumber.
3. General:
- a. All light framed wood construction shall be fastened as indicated on the plans. Connections not detailed shall be fastened in accordance with the table below.
- b. Sill plates shall be anchored to the foundation as shown on the drawings.
- c. Plywood/OSB wall, floor or roof sheathing shall be fastened per the requirements shown on the drawings.
- d. Splicing of structural members is not permitted under any circumstances.
- e. All framing in direct contact with water, soil, concrete, masonry, or permanently exposed to weather shall be preservative treated lumber in accordance with the AWWA Standard U1 and M4
- f. All framing indicated to be fire resistant on the drawings (Architectural or Structural) shall comply with AWWA U1 UCFA, Type A or ICC-ES ESR 2645 and shall have UL FR-S surface burning characteristics.
- g. All wood shall be stored on site and protected from the elements to prevent warping, cupping, bowing, crooking and twisting. Use only material that is straight. All stored wood shall be held off the ground with sacrificial damage blocks.
- h. Wood connectors shall be installed to prevent wood from splitting or otherwise damaging either member.
- i. All wood denoted as requiring fire-resistive treatment shall be pressure treated according to AWWA Standard requirements.
- j. Use 4x4, 4x6 and 6x6 columns as shown on plans. Built-up sections of 2x studs shall not be substituted for timber posts.
- k. All multi-ply beams, joists and headers shall be fastened together.
- i. Fasten sawn lumber members per schedule below.
- ii. Fasten structural composite lumber per manufacturer's literature.
- l. Standard cut washers shall be used under bolt heads and nuts bearing against wood, unless noted otherwise per shear wall anchorage details.
- m. Wall studs are designed based on being fully braced by sheathing. Design of temporary or permanent blocking or bridging for support of construction loads by unsheathed walls is the responsibility of the contractor.
- n. Wood joists shall bear on the full width of supporting members (stud walls, beams, nailers, etc.) unless noted otherwise.
- o. Subject to compliance with the project requirements, wood connectors, joist hangers, post caps and bases, holdowns, and related hardware shall be manufactured by Simpson Strong-Tie Company, Inc. or approved equal.
- i. Contractor shall follow the manufacturer's latest recommendations for installation of connectors.
- ii. Other manufacturers may be acceptable. Submit substitution request demonstrating that the proposed hardware has the same or greater capacity for each connection. Allow two weeks for review.
- p. All beams and joists not bearing on supporting members shall be framed with Simpson joist hangers. Use joist hangers per schedule and details. The joist hangers shall be installed using nails or screws supplied by the hanger manufacturer as required for the hanger type.
- q. Sill plates of all bearing walls on concrete shall be anchored with anchors as shown on the drawings. Sill plate anchors shall be located a maximum of 1'-0" from corners, ends of walls and sill plate splices. Provide (2) anchors minimum in each sill plate segment Refer to plans and details for shear wall anchorage requirements.
- r. Nailers shall be anchored to steel beams and columns with 1/2" diameter A307 bolts with required washers at a maximum spacing of 24" on center (alternate sides), unless noted otherwise.
- s. Wall studs, jamb studs, and beam support studs shall have adequate vertical blocking installed to transfer all vertical loads to the foundation.
4. Wood Floor and Roof Trusses:
- a. Provide wood trusses capable of withstanding the design loads within the limits and under the conditions indicated. Truss design shall be in accordance with the Building Code and TPI-1 Nation Design Standard for Metal Plate Connected Wood Truss Construction.
- b. Metal gusset plates shall be designed, manufactured, and approved according to IBCO requirements.
- c. Wood trusses shall be of sawn lumber with 2x nominal thickness.
- d. In addition to the loads indicated in section "A. Design Criteria", wood trusses shall be designed for all applicable wind, seismic, and snow (including drift) loads required by Building Code and noted on plans.
- e. Truss design and shop drawing preparation shall be supervised by a registered professional engineer licensed in the state where the project is located. Submittals shall be signed and sealed and include comprehensive truss layout plans and design calculations that indicate species and grades of lumber, design stresses, size and type of connector plates used.
- f. Fabricator shall determine truss diagonal locations. Truss configurations shown on drawings are diagrammatic only. Bearing points shall coincide with intersections of diagonals and chords. All dimensions shall be determined by the truss manufacturer. The manufacturer and contractor shall coordinate all architectural and MEP components with the truss layout and profile.
- g. The manufacturer shall provide all open web trusses and accessories as shown on the structural and architectural drawings and as required for a complete project. This includes all blocking, bridging, bracing, and drag components required for construction.
- h. All truss-to-truss connections and truss to supporting member connections shall be designed and detailed by the truss supplier and the size and type of connectors included in the sealed shop drawing submittal. Coordinate size, species, and grade of supporting chord and web members with the truss hanger selected.
- i. All temporary and permanent bracing shall be in accordance with the TPI standards for bracing. The bracing shall be furnished and installed by the Contractor. Do not use ceilings as uplift bracing at truss bottom chord.
- j. Girder trusses shown on drawings shall be designed to carry concentrated reactions from supported members. Girder trusses shall not be located directly above openings unless coordinated with the Structural Engineer.
- k. Wood trusses shall be handled and erected in accordance with TPI HIB-91. Trusses shall be unloaded and stored in bundles in an upright position out of contact with the ground until ready for installation.
- l. Any damage to the trusses shall be brought to the immediate attention of the Structural Engineer and truss supplier. Field repair and modification of trusses shall not be made with prior written approval from the supplier, except for nominal trimming to correct length where such trimming will not impair the load carrying capacity of the truss
5. Roof trusses shall be designed for the following:
- TC DL = 10 psf TC LL = 20 psf C&C TC WL = +24/-48 psf MWFRS TC WL = ±17 psf
- BC DL = 10 psf BC LL = N/A C&C BC WL = ±5 psf MWCRS BC WL = ±5 psf
- End/Parapet C&C WL = +89/-60 psf
- Unbalanced Snow Load: Balanced TC SL = 14psf Drift Surcharge TC SL = 36 psf Drift Width = 17'-3"
6. Floor trusses shall be designed for the following loads:
- TC DL = 17 psf + 15psf partition dead load TC LL = 40/100/125 psf
- BC DL = 10 psf BC LL = ±5 psf
- (Coordinate LL with Architectural plans and general note section "A. Design Criteria")
7. The allowable deflection is:
- a. Roof Trusses
- i. Total Load: L/240
- ii. Roof Live or Snow Load: L/360
- iii. Absolute Maximum: 1.5"
- b. Floor Trusses
- i. Total Load: L/240
- ii. Live Load: L/480
- iii. Absolute Maximum: 1"

CONNECTION (2) (3) IN INCHES	SCHEDULE OF MINIMUM NAILING FOR STANDARD CONNECTIONS (1)										
	NUMBER - OR SPACING - OF FASTENERS REQUIRED PER CONNECTION										
	NAIL LENGTHS ARE MINIMUM, NOMINAL LENGTHS, IN INCHES. NAIL SHANK DIAMETERS ARE MINIMUM NOMINAL DIAMETERS										
	3-1/2X0.162	3X0.148	3-1/4X0.131	3X0.131	2-1/2X0.131	3-1/4X0.120	3X0.120	2-3/8X0.113	2X0.113	2-1/4X0.105	2-1/4X0.099
EQUIVALENT COMMON NAIL	16d	10d			8d				6d		
FLOOR FRAMING											
JOIST TO BAND JOISTS	3	5	5	5	N/A	6	6	N/A	N/A	N/A	N/A
LEDGER STRIP	3	4	4	4	6	4	4	N/A	N/A	N/A	N/A
JOIST TO SILL OR GIRDER	3	3	3	3	3	4	4	N/A	N/A	N/A	N/A
BLOCKING BETWEEN JOIST OR RAFTER TO TOP PLATE	3	3	3	4	3	4	4	N/A	N/A	N/A	N/A
BRIDGING TO JOIST	N/A	N/A	N/A	N/A	2	3	3	3	4	3	4
RIM JOIST TO TOP PLATE	8" O.C.	6" O.C.	6" O.C.	6" O.C.	6" O.C.	6" O.C.	4" O.C.	6" O.C.	3 O.C.	3" O.C.	3" O.C.
BUILT-UP GIRDERS & BEAMS											
SPACING ALONG EDGES	24" O.C.	24" O.C.	24" O.C.	24" O.C.	16" O.C.	16" O.C.	16" O.C.	N/A	N/A	N/A	N/A
# AT ENDS & SPLICES	3	3	3	3	4	3	3	N/A	N/A	N/A	N/A
CEILING & ROOF FRAMING											
CEILING JOISTS TO PLATE	3	4	5	5	5	5	5	6	N/A	N/A	N/A
CEILING JOISTS, LAPS OVER PARTITIONS	3	4	4	4	6	4	4	N/A	N/A	N/A	N/A
CEILING JOISTS TO PARALLEL RAFTER	3	4	4	4	6	4	4	N/A	N/A	N/A	N/A
COLLAR TIE TO RAFTER	3	3	4	4	5	4	4	N/A	N/A	N/A	N/A
JACK FRAFTER TO HIP (TOE-NAILED)	3	3	4	4	5	4	4	N/A	N/A	N/A	N/A
JACK RAFTER TO HIP (FACE-NAILED)	2	3	3	3	3	4	4	N/A	N/A	N/A	N/A
ROOF RAFTER TO PLATE	3	3	3	3	3	4	4	5	5	5	5
ROOF RAFTER TO 2X RIDGE BEAM (DRIVEN THRU BEAM INTO END OF RIDGE)	2	3	3	3	---	4	4	N/A	N/A	N/A	N/A
ROOF RAFTER TO 2X RIDGE BEAM (TOE-NAIL RAFTER TO BEAM)	2	3	3	3	3	4	4	N/A	N/A	N/A	N/A
WALL FRAMING											
TOP OR SOLE PLATE TO STUD (END-NAILED)	2	3	3	3	5	4	4	N/A	N/A	N/A	N/A
STUD TO TOP OR SOLE PLATE (TOE-NAILED)	2	3	3	3	5	4	4	5	5	5	5
CAPT/OP PLATE LAPS & INTERSECTIONS (EACH SIDE OF LAP)	2	3	3	3	4	4	4	N/A	N/A	N/A	N/A
DIAGONAL BRACING	2	2	2	2	2	3	3	3	4	4	4
SOLE PLATE TO JOIST OR BLOCKING @ BRACED PANELS (#16" JOIST SPACE)	2	3	3	4	---	4	4	N/A	N/A	N/A	N/A
SOLE PLATE TO JOIST OR BLOCKING	16" O.C.	8" O.C.	8" O.C.	8" O.C.	6" O.C.	8" O.C.	8" O.C.	N/A	N/A	N/A	N/A
DOUBLE TOP PLATE	16" O.C.	16" O.C.	12" O.C.	12" O.C.	8" O.C.	12" O.C.	12" O.C.	N/A	N/A	N/A	N/A
DOUBLE STUDS	12" O.C.	12" O.C.	8" O.C.	8" O.C.	6" O.C.	8" O.C.	8" O.C.	N/A	N/A	N/A	N/A
CORNER STUDS	24" O.C.	16" O.C.	16" O.C.	16" O.C.	8" O.C.	12" O.C.	12" O.C.	N/A	N/A	N/A	N/A

N/A - FASTENER NOT APPLICABLE TO CONNECTION

1. THIS FASTENING SCHEDULE APPLIES TO FRAMING MEMBERS HAVING AN ACTUAL THICKNESS OF 1 1/2" (NUMBER "2X" LUMBER)

2. FASTENINGS LISTED ABOVE MAY ALSO BE USED FOR OTHER CONNECTIONS THAT ARE NOT LISTED BUT THAT HAVE THE SAME CONFIGURATION & THE FASTENER QUANTITY/SPACING & FASTENER SIZE (PENNYWEIGHT & STYLE, E.G., 8d COMMON, "8-PENNY COMMON NAIL")

3. FASTENING SCHEDULE ONLY APPLIES TO BUILDINGS OF CONVENTIONAL WOOD FRAME CONSTRUCTION, CONNECTIONS OF SHEAR WALLS & FLOOR & SHOWN ON THE DRAWINGS.

PRINTS ISSUED

11/01/23 - CITY SUBMITTAL

REVISIONS:



11/01/2023



McCLURE™

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Columbia, MO 65202
P 573-814-1568

NOTICE:

McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans or Specifications.

MISSOURI CERTIFICATE OF AUTHORITY
NO. E-2008023253
EXPIRES: DECEMBER 31, 2024

FOR PERMIT
NOT FOR
CONSTRUCTION

TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST
LEE'S SUMMIT, MO 64064

SHEET TITLE

GENERAL NOTES

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S002

STATEMENT OF SPECIAL INSPECTIONS

Project Name: Discovery Park Lee's Summit Lot 3 Address: 1810 Northeast Douglas St, Lee's Summit, MO 64064

1. This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspector to be retained for conducting these inspections and tests. This Statement of Special Inspections encompasses the following disciplines:
- o Architectural

o Mechanical/Electrical/Plumbing

o Helical Pile Foundations

o Concrete Construction

o Masonry Construction - Level 2

o Steel Construction Other than Structural Steel

o Spray Fire-Resistant Materials

o Exterior Insulation and Finish System (EIFS)

o Smoke Control

x Seismic Resistance

x Structural

o Other:

x Cast-In-Place Foundations Elements

x Masonry Construction - Level 1

x Structural Steel Construction

x Wood Construction

o Mastic and Intumescent Fire-Resistant Coatings

o Fire-Resistant Penetrations and Joints

x Wind Resistance
2. The Special Inspector shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.
3. Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.
4. A Final Report of Special Inspections documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.
5. Job site safety and means and methods of construction are solely the responsibility of the Contractor. This Statement of Special Inspections includes the following building systems:
- x Fabricators

x Cast-In-Place Foundations Elements

x Helical Pile Foundations

x Concrete Construction

o Masonry Construction - Level 2

o Steel Construction Other than Structural Steel

o Spray Fire-Resistant Materials

o Exterior Insulation and Finish System (EIFS)

o Smoke Control

x Seismic Resistance
- x Soils

o Driven Deep Foundation Elements

x Cast-In-Place Deep Foundation Elements

o Masonry Construction - Level 1

x Structural Steel Construction

x Wood Construction

o Mastic and Intumescent Fire-Resistant Coatings

o Fire-Resistant Penetrations and Joints

x Wind Resistance
6. The following components are wind-resisting components or part of the main wind-force resisting system and are subject to special inspections in accordance with the Special Inspection Schedule - Wind Resistance:
- Wood Shear Walls with Structural Plywood Sheathing
7. The following components are designated seismic systems or part of the seismic-force resisting system that are subject to special inspections in accordance with the Special Inspection Schedule - Seismic Resistance:
- Wood Shear Walls with Structural Plywood Sheathing
8. Special Inspection Agency:

Special Inspection Schedule: Fabricators				
Verification And Inspection Task	Applicable To This Project?	Frequency		
		Continuous	Periodic	
1. Verify fabrication and implementation procedures:				
a. Steel Construction	X	-	X	
b. Concrete Construction (including rebar fabrication)	X	-	X	
c. Masonry Construction	-	-	X	
d. Wood Construction	X	-	X	
e. Cold Formed Metal Construction	-	-	X	
f. Other Construction	-	-	X	

Special Inspection Schedule: Soils				
Verification And Inspection Task	Applicable To This Project?	Frequency		
		Continuous	Periodic	
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	X	-	X	
2. Verify excavations are extended to proper depth and have reached proper material.	X	-	X	
3. Perform classification and testing of compacted fill materials.	X	-	X	
4. Verify use of proper materials, densities and lift thickness during placement and compaction of compacted fill.	X	X	-	
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.	X	-	X	

Special Inspection Schedule: Cast-In-Place Foundation Elements				
Verification And Inspection Task	Applicable To This Project?	Frequency		
		Continuous	Periodic	
1. Special Inspections and verifications for concrete foundation construction in accordance with the Special Inspection Schedule: Cast-In-Place Concrete for the following foundation elements:				
a. Isolated spread concrete footings.	-	-	X	
b. Continuous concrete Grade Beams.	X	-	X	
c. Concrete foundation walls.	X	X	-	

Special Inspection Schedule: Cast-In-Place Deep Foundation Elements				
Verification And Inspection Task	Applicable To This Project?	Frequency		
		Continuous	Periodic	
1. Observe drilling operations and maintain complete and accurate records for each element.	X	X	-	
2. Verify placement locations and plumbness, confirm pier diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable), and adequate end bearing strata capacity. Record concrete or grout volumes.	X	X	-	
3. For concrete elements, perform additional inspections in accordance with the Concrete Special Inspections.	X			
4. Determine capacities of test elements and conduct additional load tests as required.	X	X	-	

Special Inspection Schedule: Concrete Construction				
Verification And Inspection Task	Applicable To This Project?	Frequency		
		Continuous	Periodic	
1. Inspect reinforcing steel, including prestressing tendons and placement.	X	-	X	
2. Inspect reinforcing steel welding in accordance with the Special Inspection Schedule: Steel Construction (other than Item 3).	X	-	-	
3. Inspect anchors cast in concrete where allowable loads have been increased or where strength design is used.	X	-	X	
4. Inspect anchors post-installed in hardened concrete members.	X	-	X	
5. Verify use of required design mix.	X	-	X	
6. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests and record the temperature of the concrete.	X	X	-	
7. Inspect concrete and shotcrete placement for proper application techniques.	X	X	-	
8. Inspect for maintenance of specified curing temperature and techniques.	X	-	X	
9. Inspection of Prestressed Concrete:				
a. Observe application of prestressing forces.	-	X	-	
b. Observe grouting of bonded prestressing tendons in the seismic force resisting system.	-	X	-	
10. Inspect erection of precast concrete members.	X	-	X	
11. Verify in-situ concrete strength prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	-	-	X	
12. Inspect formwork for shape, location, and dimensions of the concrete member being formed.	X	-	X	

Special Inspection Schedule: Structural Steel Construction				
Verification And Inspection Task	Applicable To This Project?	Frequency		
		Continuous	Periodic	
1. Material verification of high-strength bolts, nuts and washers:				
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	X	-	X	
b. Manufacturer's certificate of compliance required.	X	-	X	
2. Inspection of high-strength bolting:				
a. Snug-tight joints.	X	-	X	
b. Pretensioned and slip-critical joints using turn-of-nut with match marking, twist-off bolt, or direct tension indicator methods of installation.	-	-	X	
c. Pretensioned and slip-critical joints using turn-of-nut without match marking or calibrated wrench methods of installation.	-	X	-	
3. Material verification of structural steel:				
a. Identification markings to conform to ASTM standards specified in the approved Construction Documents and AISC 360.	X	-	X	
b. Manufacturer's certified test reports.	X	-	X	
4. Material verification of weld filler materials:				
a. Identification markings to conform to AWS specification in the approved Construction Documents.	X	-	X	
b. Manufacturer's certificate of compliance required.	X	-	X	
5. Inspection of welding, structural steel:				
a. Complete and partial penetration groove welds.	X	X	-	
b. Multi-pass fillet welds.	X	X	-	
c. Single-pass fillet welds > 5/16".	X	X	-	
d. Single-pass fillet welds < 5/16".	X	-	X	
6. Inspection of steel frame joint details for compliance with approved Construction Documents:				
a. Details such as bracing and stiffening.	X	-	X	
b. Member locations.	X	-	X	
c. Application of joint details at each connection.	X	-	X	

Special Inspection Schedule: Wood Construction				
Verification And Inspection Task	Applicable To This Project?	Frequency		
		Continuous	Periodic	
1. Inspection of high-load diaphragms:				
a. Verify wood structural panel sheathing is of the grade and thickness shown on the Construction Documents.	X	-	X	
b. Verify nominal size of framing members at adjoining panel edges agrees with the Construction Documents.	X	-	X	
c. Verify fastener diameter and length, number of fastener lines, the spacing of the fasteners, and the edge margins agree with the Construction Documents.	X	-	X	
2. Inspection of metal-plate-connected wood trusses spanning 60 feet or greater:				
a. Verify temporary installation restraint/bracing are installed in accordance with approved truss submittal package.	-	-	X	
b. Verify permanent individual truss member restraint/bracing are installed in accordance with approved truss submittal package.	-	-	X	

Special Inspection Schedule: Wind Resistance				
Verification And Inspection Task	Applicable To This Project?	Frequency		
		Continuous	Periodic	
1. Roof cladding and roof framing connections.	X	-	-	
2. Wall connections to roof and floor diaphragms and framing.	X	-	X	
3. Roof and floor diaphragm systems including collectors, drag struts, and boundary elements.	X	-	X	
4. Vertical wind force resisting systems including braced frames, moment frames, and shear walls.	X	-	X	
5. Wind force resisting system connections to the foundation.	X	-	X	
6. Fabrication and installation of systems or components required to meet impact-resistant requirements.	-	-	X	
7. Inspection of structural wood:				
a. Inspect field gluing operations of elements of the main wind force resisting system.	X	X	-	
b. Inspect nailing, bolting, anchoring, and other fastening of components within the main wind force resisting system including wood shear walls, wood diaphragms, drag struts, braces, and hold downs.	X	-	X	
8. Inspection of cold-formed steel light frame construction:				
a. Inspection of welding operations of elements of the main wind force resisting system.	-	-	-	
b. Inspection of screw attachment, bolting, anchoring, and other fastening of other components within the main wind force resisting system including shear walls, braces, diaphragms, collectors (drag struts), and hold downs.	-	-	-	
9. Wind resistant systems and components:				
a. Roof cladding	X	-	-	
b. Wall cladding	X	-	-	

Special Inspection Schedule: Seismic Resistance				
Verification And Inspection Task	Applicable To This Project?	Frequency		
		Continuous	Periodic	
1. Inspection of pier foundations:				
a. Inspect placement of reinforcement.	X	-	X	
b. Inspect placement of concrete.	X	-	X	
2. Inspection of concrete reinforcement:				
a. Verify certified mill test reports comply with ACI 318 Chapter 21 requirements.	X	-	X	
b. Where reinforcing complying with ASTM A615 is to be welded, chemical tests shall be performed to determine weldability.	X	-	X	
3. Inspection of structural steel.				
a. Inspections shall be in accordance with the quality assurance plan requirements of AISC 341.	X	-	X	
4. Inspection of cold-formed steel framing:				
a. Inspect welding operations of elements of the seismic force resisting system.	X	-	X	
b. Inspect screw attachment, bolting, anchoring, and other fastening of components within the seismic force resisting system including shear walls, braces, diaphragms, collectors (drag struts), and hold downs.	X	-	X	
5. Inspection of structural wood:				
a. Inspect field gluing operations of elements of the seismic force resisting system.	X	X		
b. Inspect nailing, bolting, anchoring, and other fastening of components within the seismic force resisting system including wood shear walls, wood diaphragms, drag struts, braces, shear panels, and hold downs.	X	-	X	
6. Inspection of storage racks:				
a. Inspect anchorage of storage racks 8 feet or greater in height.	-	-	X	
7. Inspection of architectural components:				
a. Inspect erection and fastening of exterior cladding.	X	-	X	
b. Inspect erection and fastening of interior and exterior nonbearing walls.	X	-	X	
c. Inspect erection and fastening of interior and exterior veneer.	X	-	X	
d. Inspect anchorage of access floors.	-	-	X	
9. Inspection of designated seismic systems:				
a. Verify label, anchorage, or mounting conforms to the certificate of compliance.	-	-	X	
10. Inspection of seismic isolation systems:				
a. Inspect the fabrication and installation of isolator units and energy dissipation devices that are part of the seismic isolation system.	-	-	X	

WALL SCHEDULE				
Mark	Level 1	Level 2	Level 3	Level 4
WA	(2) 2x4**	(2) 2x4	(1) 2x4	(1) 2x4
WB	(2) 2x6	(1) 2x6	(1) 2x6	(1) 2x6
WC	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6
WD	(2) 2x6*	(2) 2x4*	(1) 2x4	(1) 2x4

- Notes:
- All walls are 16" o.c. U.N.O. on plans
 - Bottom sill plates at foundation to be fastened w/ 5/8"Ø x 5-1/2" Hilti Kwik TZ Bolts @ 48" o.c. U.N.O.
 - Bottom sill plate connections shall have a 3"x3" steel plate washer at each anchor bolt on shear walls only.
 - Sill and top plates at all other levels to e fastened w/ (2) 16d nails @ 16" o.c. U.N.O.
 - Shear walls shall be sheathed per shear wall schedule
 - Non-load bearing walls not shown, refer to architectural drawings.
 - All top plates are to be continuous. Splice per 4/S500
 - * Indicates studs or stud pack at 12" o.c.
 - ** Indicates studs or stud pack at 8" o.c.

BEAM SCHEDULE			
Mark	Max. Span (ft-in)	Beam Size	Hanger
B1	7'-3"	(3) 2x10	HHUS210-3
B2	9'-0"	(3) 2x8	HGUS26-3
B3	7'-3"	(3) 2x12	HHUS210-3
B4	15'-3"	(2) 1 3/4"x12 1/2" LVL	HUCQ210-2-SDS*
B5	5'-3"	(2) 2x10	DGHT3.62/9.25

- Notes:
- All exterior beams are to be pressure treated.
 - All LVL shall be stress class 2.0E-2500F
 - * Indicates that weld to steel plate is required for beam support (See 10/S511)

HEAVY OPENING SCHEDULE					
Opening Mark	Max. Span (ft-in)	Header		Kings & Jacks	
		Level 1	Header Plates*	Level 1	
			All Levels	Kings	Jacks
HH1	3'-4"	(3) 2x8	(1) 2x6 T&B	(2) 2x6	(2) 2x6
HH2	3'-4"	(3) 2x10	(1) 2x6 T&B	(2) 2x6	(2) 2x6
HH3	6'-4"	(3) LVL 1-3/4" x 9-1/4"	(1) 2x6 T&B	(3) 2x6	(2) 2x6
HH4	8'-6"	(3) LVL 1-3/4" x 9-1/4"	(1) 2x6 T&B	(4) 2x6	(2) 2x6
HH5	10'-6"	(3) LVL 1-3/4" x 11-7/8"	(2) 2x6 T&B	(6) 2X6	(2) 2X6
HH6	8'-0"	(3) LVL 1-3/4" x 14"	(1) 2x6 T&B	(4) 2X6	(3) 2X6
HH7	11'-0"	5-1/2" x 20" Glulam	(2) 2x6 T&B	(4) 2X6	(5) 2X6

HH = An opening which requires a header without stacking headers above

- Notes:
- See S500 for typical opening framing.
 - All openings should stack according to the plans.
 - Coordinate all dimensions and elevations with architectural drawings.
 - Cripple studs should match the adjacent wall framing.
 - * Header top and bottom plates and sills should match the adjacent wall studs.
 - ** Indicates headers that do not require top and bottom plates.
 - All LVL shall be stress class 2.0E-2500F
 - All Glulam shall be stress class 24F-1.8E

OPENING SCHEDULE																
Opening Mark	Max. Span (ft-in)	Header					Header Plates*	Kings & Jacks								Sills*
		Level 1	Level 2	Level 3	Level 4	Header (All Levels)		Level 1		Level 2		Level 3		Level 4		All Levels (if applicable)
								Kings	Jacks	Kings	Jacks	Kings	Jacks	Kings	Jacks	
H1	3'-3"	(2) 2x8	(2) 2x8	(2) 2x8	(2) 2x8	(2) 2x8	(1) 2x6 T&B	(2) 2x6	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6
H2	6'-3"	(3) 2x10	(3) 2x10	(3) 2x10	(3) 2x8	---	(1) 2x6 T&B	(4) 2x6	(1) 2x6	(2) 2x6	(1) 2x6	(2) 2x6	(1) 2x6	(2) 2x6	(1) 2x6	(1) 2x6
H3	6'-3"	(3) 2x8	(2) 2x8	(2) 2x8	(2) 2x8	---	(1) 2x6 T&B	(4) 2x6	(1) 2x6	(2) 2x6	(1) 2x6	(2) 2x6	(1) 2x6	(2) 2x6	(1) 2x6	(1) 2x6
H4	6'-4"	(3) 2x10	(3) 2x8	(3) 2x8	(2) 2x8	---	(1) 2x6 T&B	(2) 2x6	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6
H5	3'-3"	(2) 2x8	(2) 2x8	(2) 2x8	(2) 2x8	---	(1) 2x4 T&B	(2) 2x6	(1) 2x6	(3) 2x4	(1) 2x4	(2) 2x4	(1) 2x4	(1) 2x4	(1) 2x4	(1) 2x4

H = An opening which requires a header

- Notes:
- See S500 for typical opening framing.
 - All openings should stack according to the plans.
 - Coordinate all dimensions and elevations with architectural drawings.
 - Cripple studs should match the adjacent wall framing.
 - * Header top and bottom plates and sills should match the adjacent wall studs.
 - ** Indicates headers that do not require top and bottom plates.
 - All LVL shall be stress class 2.0E-2500F
 - All Glulam shall be stress class 24F-1.8E

COLUMN SCHEDULE				
Mark	Level 1	Level 2	Level 3	Level 4
C1	(3) 2x6	(3) 2x6	(3) 2x6	(3) 2x6
C2	6X6	---	---	---

- Notes:
- All exterior columns are to be pressure treated UNO
 - Exterior columns supporting canopy to be Western Cedar or Redwood Grade 1 or better

FLOOR AND ROOF SCHEDULE				
Type	Membrane/Sheathing	Fastening	Concrete/Topping	Reinforcing
Slab on Grade	10mil Vapor Retarder	Taped Edges	4" NW Concrete U.N.O.	See General Notes
Interior Floors	3/4" Plywood	10d @ 6/12	1" Gypcrete Topping	---
Canopy	3/4" Plywood	10d @ 6/12	---	---
Balcony	Per Plans/Gen. Notes	Per Gen. Notes	Per Gen. Notes	Per Gen. Notes
Roof	15/32" Plywood	10d @ 6/12 UNO	---	---

- Notes:
- Vapor barrier to be placed over compacted fill per general notes.
 - Plywood sheathing to be fastened per detail 2/S500
 - * Concrete on balconies shall slope away from building per Arch.
 - Plywood to be Structural Grade 1 Material
 - See architectural drawings for full floor and roof assemblies including nonstructural elements.
 - Floor diaphragm assumed unblocked unless noted otherwise on plan.


PRINTS ISSUED

11/01/23 - CITY SUBMITTAL

REVISIONS:



11/01/2023

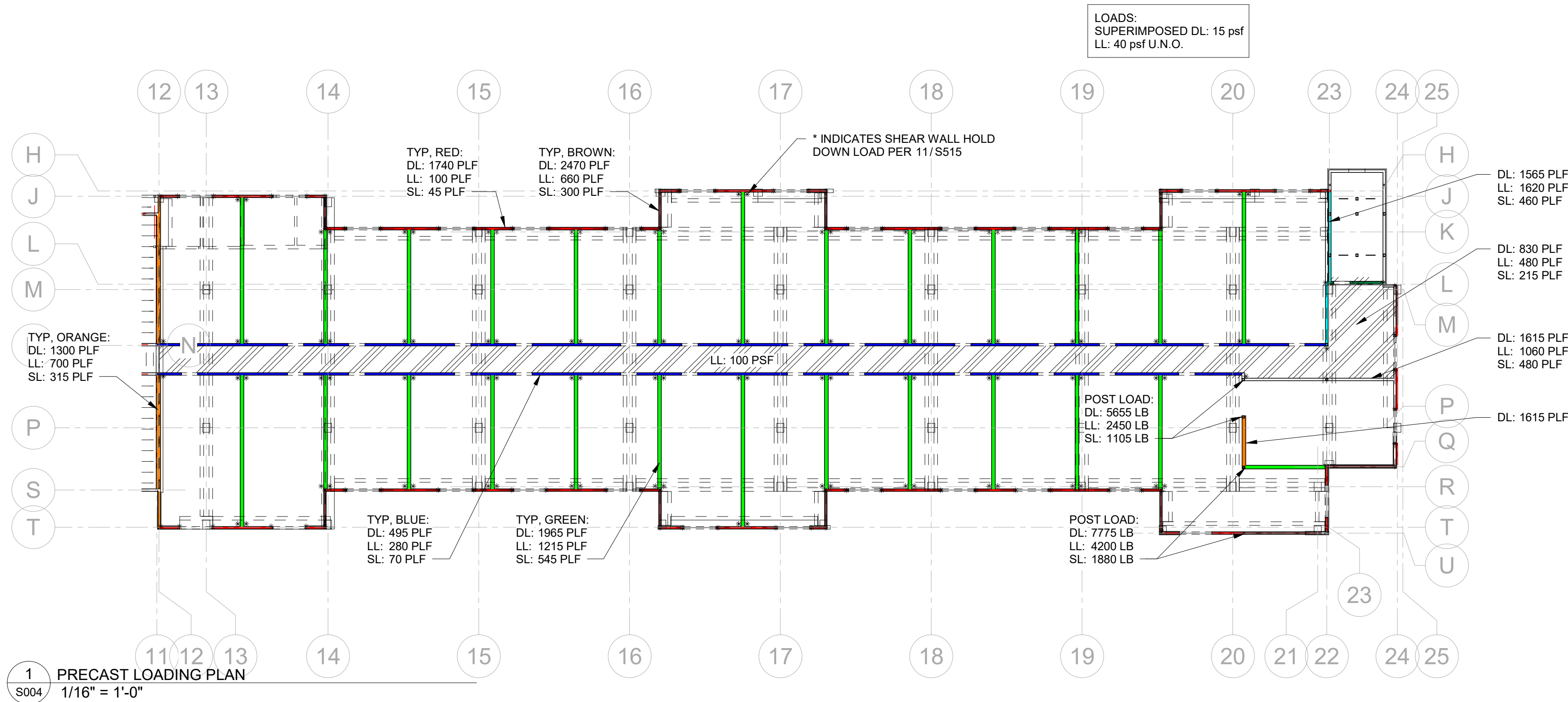


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MISSOURI CERTIFICATE OF AUTHORITY
NO. E-2006023253
EXPIRES: DECEMBER 31, 2024

FOR PERMIT
NOT FOR
CONSTRUCTION



TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST
LEE'S SUMMIT, MO 64064

SHEET TITLE
SCHEDULES

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S004

SHEAR WALL SCHEDULE						
Mark	Level	Sheathing/ Fastener Layout	Post	Hold-Down	Min. Sill/Top Plate	Base Connection
SW1	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MST37 w/ (22) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 12" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2X6	MST37 w/ (22) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 8" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2X6	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 6" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(4) 2x6	HD7B w/ (3) 3/4"Ø Bolts & 7/8"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.
SW2	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 8d Nail, 6" Edge fastening Unblocked	(2) 2x6	MST37 w/ (22) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 12" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 8d Nail, 6" Edge fastening	(2) 2X6	MST37 w/ (22) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 8" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2X6	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 6" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(4) 2x6	HD7B w/ (3) 3/4"Ø Bolts & 7/8"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.
SW3	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(2) 2x6	MST72 w/ (62) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 4" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 2" Edge fastening	(3) 2x6	(2) MST60 w/ (46) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 3" o.c.
	Level 2	(2) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(3) 2x6	(2) MST72 w/ (62) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 2" o.c.
	Level 1	(2) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 3" Edge fastening	(6) 2x6	(2) HD12 w/ (4) 1"Ø Bolts & 1"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 24" o.c.
SW4	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(3) 2x4	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x4	(2) 10d Nails @ 8" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(3) 2x4	MST60 w/ (46) 0.162x2-1/2" nails	(1) 2x4	(2) 10d Nails @ 6" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 3" Edge fastening	(4) 2x4	MST60 w/ (46) 0.162x2-1/2" nails	(1) 2x4	(2) 10d Nails @ 4" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 2" Edge fastening	(3) 3 1/2x3 1/2 Versa-LAM 1.8E2650	HD12 w/ (4) 1"Ø Bolts & 1-1/8"Ø Anchor Rod	(1) 2x4	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 36" o.c.
SW5	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(2) 2x6	(2) MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 4" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 2" Edge fastening	(2) 2x6	(2) MST60 w/ (46) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 3" o.c.
	Level 2	(2) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(2) 2x6	(2) MST60 w/ (46) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 2" o.c.
	Level 1	(2) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 3" Edge fastening	(5) 2x6	(2) HD12 w/ (4) 1"Ø Bolts & 1-1/8"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 16" o.c.
SW6	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nails @ 16" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MST37 w/ (22) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 12" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 8" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(2) 2x6	HD7B w/ (3) 3/4"Ø Bolts & 7/8"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.
SW7	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 8" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(2) 2x6	MST60 w/ (46) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 6" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 3" Edge fastening	(2) 2x6	MST60 w/ (46) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 4" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 2" Edge fastening	(3) 2x6	HD12 w/ (4) 1"Ø Bolts & 1"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 36" o.c.

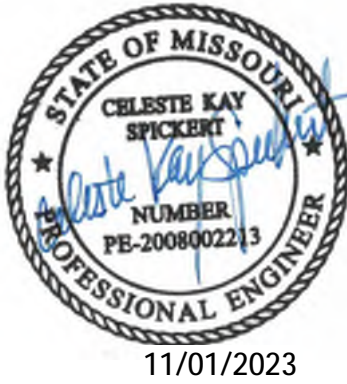
SW8	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nails @ 4" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 3" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(2) 2x6	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 2" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(2) 2x6	HTT5-3/4 w/ (26) 0.148"Øx1-1/2" & 3/4"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.
SW10	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nails @ 16" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nails @ 12" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nails @ 8" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	HTT5-3/4 w/ (26) 0.148"Øx1-1/2" & 3/4"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.
SW11	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nails @ 12" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	MST37 w/ (22) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 8" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 6" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(3) 2x6	HD7B w/ (3) 3/4"Ø Bolts & 7/8"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.
SW12	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nails @ 16" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nails @ 12" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nails @ 8" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	HTT5-3/4 w/ (26) 0.148"Øx1-1/2" & 3/4"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.
SW13	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 8" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(2) 2x6	MST60 w/ (46) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 6" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 3" Edge fastening	(2) 2x6	MST72 w/ (62) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 4" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 2" Edge fastening	(3) 2x6	HD12 w/ (4) 1"Ø Bolts & 1-1/8"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 36" o.c.
SW14	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 8" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(2) 2x6	MST60 w/ (46) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 6" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(2) 2x6	MST60 w/ (46) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 4" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 3" Edge fastening	(3) 2x6	HD9B w/ (3) 7/8"Ø Bolts & 7/8"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.
SW15	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MST37 w/ (22) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 12" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 8" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(2) 2x6	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 6" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 4" Edge fastening	(2) 2x6	HD7B w/ (3) 3/4"Ø Bolts & 7/8"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.
SW16	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x4	(2) 10d Nails @ 16" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x4	(2) 10d Nails @ 16" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MST37 w/ (22) 0.162x2-1/2" nails	(1) 2x4	(2) 10d nails @ 12" o.c.
	Level 1	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	HTT5 w/ (26) SD #10x1-1/2" & 5/8"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.


SW17	Level 4	(1) Sided, Gypsum Wallboard - 1/2" Thick, 5d Nail, 7" Edge Fastening, 16" O.C. Unblocked	(2) 2x4	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x4	(1) 10d Nail @ 16" o.c.
	Level 3	(1) Sided, Gypsum Wallboard - 1/2" Thick, 5d Nail, 7" Edge Fastening, 16" O.C. Unblocked	(2) 2x4	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x4	(1) 10d Nail @ 16" o.c.
	Level 2	(1) Sided, Gypsum Wallboard - 1/2" Thick, 5d Nail, 4" Edge Fastening, 16" O.C. Blocked	(2) 2x4	DTT2Z w/ (8) 1/4"Øx1-1/2" SDS screws & 1/2"Ø Anchor Rod	(1) 2x4	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.
	Level 4	(1) Sided, Gypsum Wallboard - 1/2" Thick, 5d Nail, 7" Edge Fastening, 16" O.C. Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nail @ 16" o.c.
SW18	Level 3	(1) Sided, Gypsum Wallboard - 1/2" Thick, 5d Nail, 7" Edge Fastening, 16" O.C. Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nail @ 12" o.c.
	Level 2	(1) Sided, Gypsum Wallboard - 1/2" Thick, 5d Nail, 7" Edge Fastening, 16" O.C. Blocked	(2) 2x6	DTT1Z w/ (6) SD #9x1-1/2" & 3/8"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.
SW19	Level 4	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nail @ 12" o.c.
	Level 3	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x6	(2) 10d Nail @ 8" o.c.
	Level 2	(1) Sided, Wood Structural Panels - S1 - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	DTT1Z w/ (6) 0.148"Øx1-1/2" & 3/8"Ø Anchor Rod	(1) 2x6	5/8"Ø Hilti Kwik Bolt TZ2 w/ 3 1/4" Embedment @ 48" o.c.

- Notes:
1. See S530 for typical shear wall framing
 2. All hold down embedded anchors in concrete shall use Hilti HIT-HY 500 V3 Adhesive or Equivalent
 3. All threaded rods shall be F1554 GR105
 4. Floor to floor strap ties at top of wall shall match that of the floor above.
 5. All hold downs and strap ties are Simpson Strong-Tie brand, U.N.O.
 6. Bottom sill plate connections shall have a 3"x3"x1/4" steel plate washer at each anchor bolt on shear walls only.
 7. All drag trusses shall be connected to shear walls per detail 4/S530.
 8. Provide floor to floor strapping on the same side as the OSB sheathing.
 9. See 9/S501 for shear wall to foundation hold-down detail.
 10. See 11/S515 for shear wall to precast hold-down detail.

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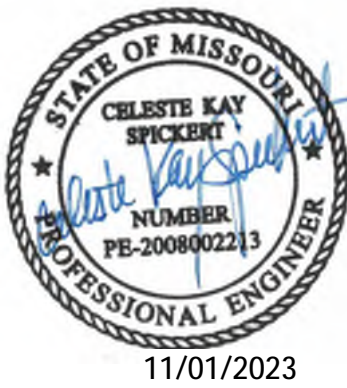
TOWNEPLACE SUITES


1810 NORTHEAST DOUGLAS ST
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SHEET TITLE
SCHEDULES

PROJECT NUMBER: 2023000333
SHEET NUMBER:

S005





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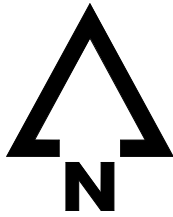
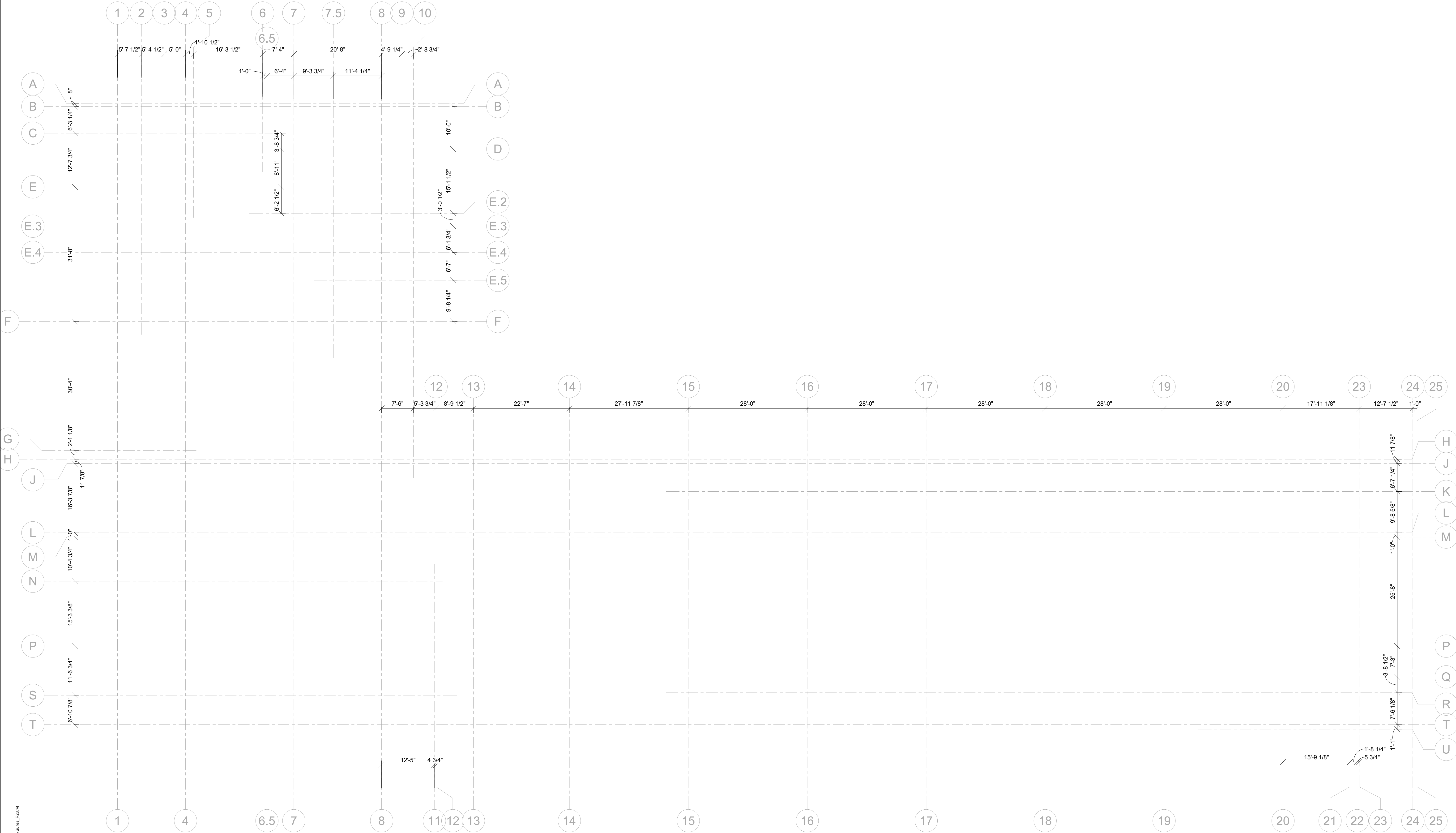
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SHEET TITLE
GRID DIMENSION PLAN

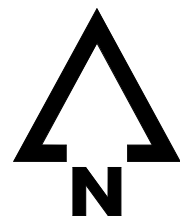
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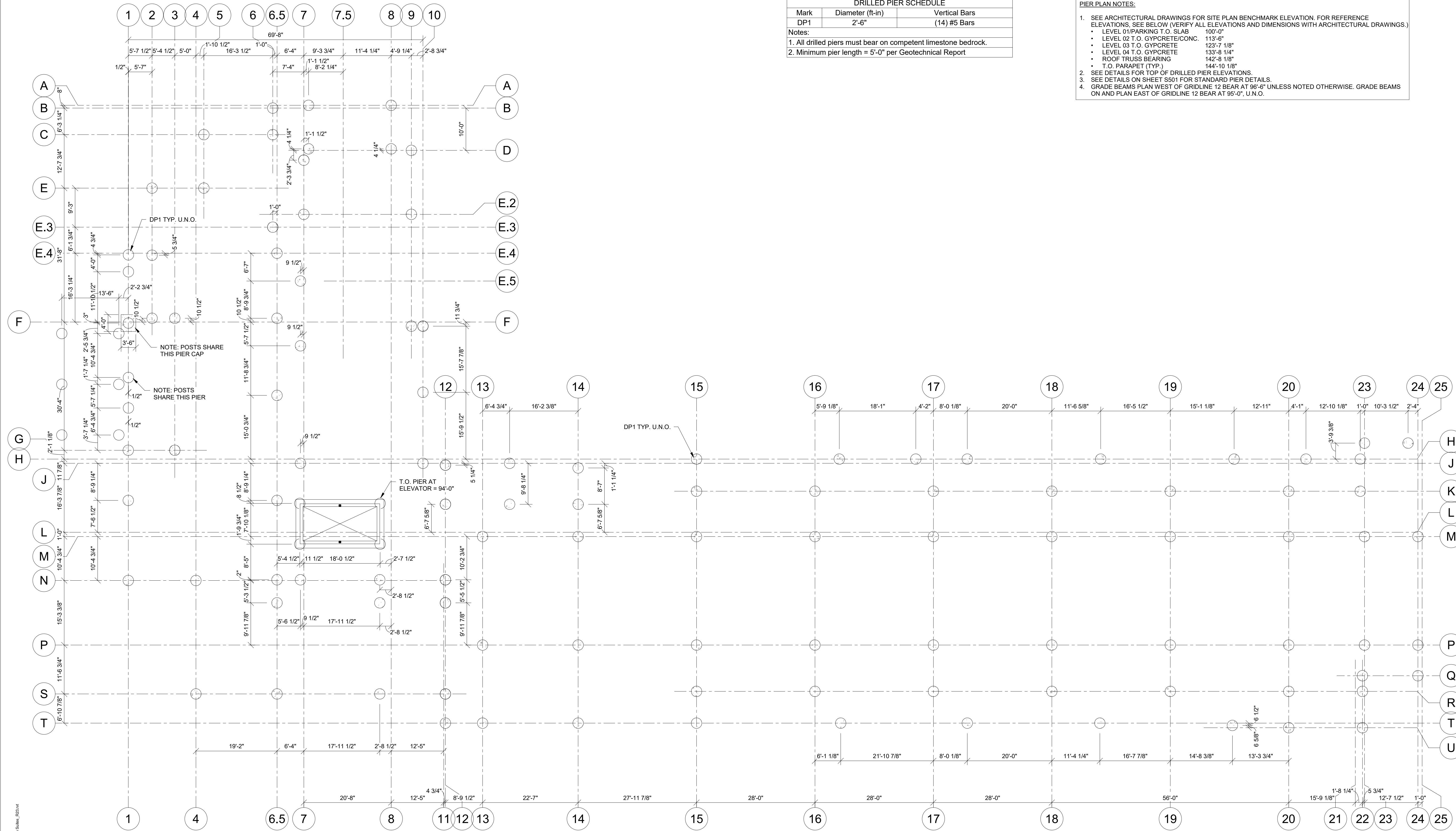
S010



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1 PIER PLAN
S100 3/32" = 1'-0"



DRILLED PIER SCHEDULE		
Mark	Diameter (ft-in)	Vertical Bars
DP1	2'-6"	(14) #5 Bars

Notes:

- All drilled piers must bear on competent limestone bedrock.
- Minimum pier length = 5'-0" per Geotechnical Report

- PIER PLAN NOTES:
- SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEVATION. FOR REFERENCE ELEVATIONS, SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.)
 - LEVEL 01/PARKING T.O. SLAB 100'-0"
 - LEVEL 02 T.O. GYPCRETE/CONC. 113'-6"
 - LEVEL 03 T.O. GYPCRETE 123'-7 1/8"
 - LEVEL 04 T.O. GYPCRETE 133'-8 1/4"
 - ROOF TRUSS BEARING 142'-8 1/8"
 - T.O. PARAPET (TYP.) 144'-10 1/8"
 - SEE DETAILS FOR TOP OF DRILLED PIER ELEVATIONS.
 - SEE DETAILS ON SHEET S501 FOR STANDARD PIER DETAILS.
 - GRADE BEAMS PLAN WEST OF GRIDLINE 12 BEAR AT 95'-0" UNLESS NOTED OTHERWISE. GRADE BEAMS ON AND PLAN EAST OF GRIDLINE 12 BEAR AT 95'-0", U.N.O.

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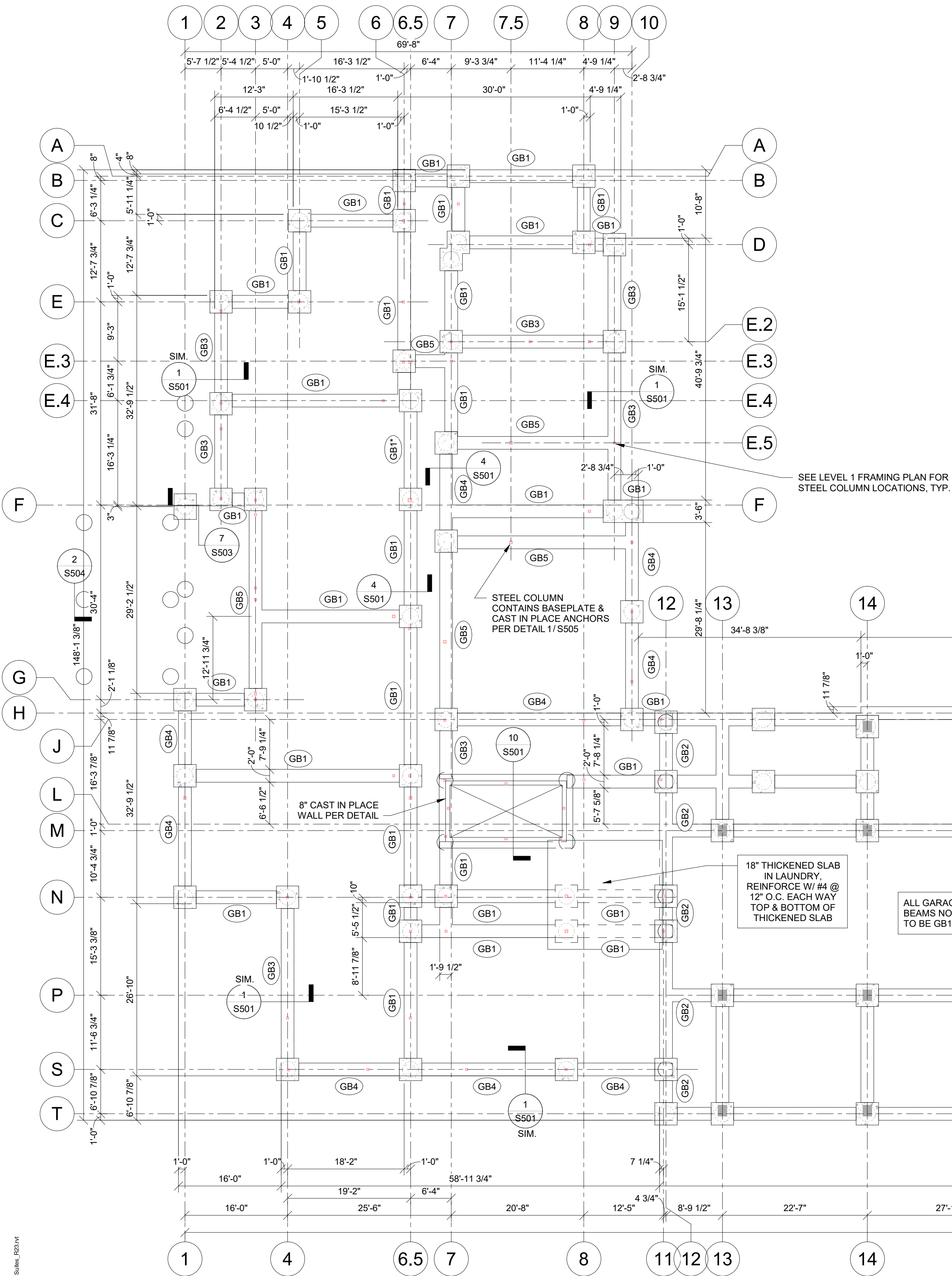
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SHEET TITLE
PIER PLAN

PROJECT NUMBER: 2023000333
SHEET NUMBER:

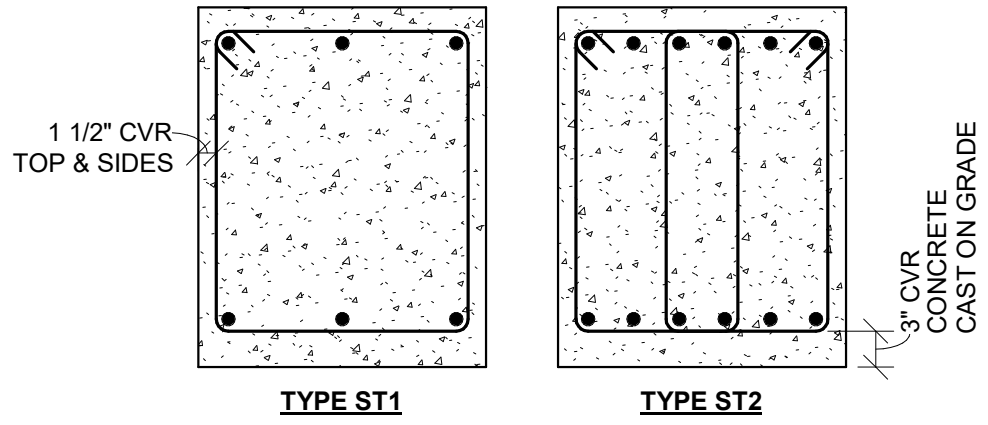
S100

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Autodesk AutoCAD 2023
Drawing Path: Lee's Summit 2023000333 - Foundation - Towneplace Suites, S101.dwg



GRADE BEAM SCHEDULE					
Mark	"Width" x "Depth" (in)	Top & Bottom Reinforcing	Stirrups	Stirrup Type	
GB1	24"x30"	(3) #8 Bars	#4 @ 12" o.c. (UNO)	ST1	
GB2	24"x30"	(3) #9 Bars	#4 @ 12" o.c.	ST1	
GB3	24"x30"	(3) #10 Bars	#4 @ 12" o.c.	ST1	
GB4	24"x30"	(4) #8 Bars	#4 @ 12" o.c.	ST2	
GB5	24"x30"	(4) #10 Bars	#4 @ 12" o.c.	ST2	

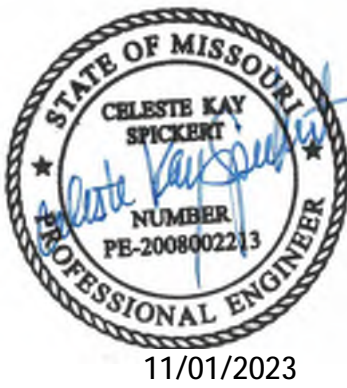
- Notes:
- See details on S501, S502, and S503 for typical construction
 - All grade beams shall run into pile caps unless otherwise specifically detailed.
 - See general notes for concrete strength and development lengths.
 - * Indicates Grade Beam for which shear stirrups are to be placed at 9" o.c.



- FOUNDATION PLAN NOTES:
- SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEVATION. FOR REFERENCE ELEVATIONS. SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS).
 - LEVEL 01/PARKING T.O. SLAB 100'-0"
 - LEVEL 02 T.O. GYPCRETE/CONC. 113'-6"
 - LEVEL 03 T.O. GYPCRETE 123'-7 1/8"
 - LEVEL 04 T.O. GYPCRETE 133'-8 1/4"
 - ROOF TRUSS BEARING 142'-8 1/8"
 - T.O. PARAPET (TYP.) 144'-10 1/8"
 - PLUMBING FIXTURES AND FLOOR DRAINS ARE TO BE COORDINATED PER ARCH. & MEP DRAWINGS.
 - REFER TO MANUFACTURER'S GUIDELINES FOR INSTALLATION OF STRAP TIES, HOLD DOWNS, & OTHER CONNECTIONS.
 - SEE DETAILS FOR TOP OF DRILLED PIER ELEVATIONS.
 - TYPICAL GRADE BEAMS SPAN FROM CENTER OF PIER TO CENTER OF PIER UNLESS NOTED SPECIFICALLY ON THE PLANS.
 - SEE DETAILS ON SHEET S501 FOR STANDARD GRADE BEAM AND PIER DETAILS.
 - GRADE BEAMS PLAN WEST OF GRIDLINE 12 BEAR AT 96'-6" UNLESS NOTED OTHERWISE. GRADE BEAMS ON AND PLAN EAST OF GRIDLINE 12 BEAR AT 95'-0", U.N.O.

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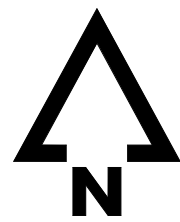
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SHEET TITLE
FOUNDATION PLAN

PROJECT NUMBER: 2023000333
SHEET NUMBER:

S101



- LEVEL 1 PLAN NOTES:
- SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEVATION. FOR REFERENCE ELEVATIONS, SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.)
 - LEVEL 01/PARKING T.O. SLAB 100'-0"
 - LEVEL 02 T.O. GYPCRETE/CONC. 113'-6"
 - LEVEL 03 T.O. GYPCRETE 123'-7 1/8"
 - LEVEL 04 T.O. GYPCRETE 133'-8 1/4"
 - ROOF TRUSS BEARING 142'-8 1/8"
 - T.O. PARAPET (TYP.) 144'-10 1/8"
 - PROVIDE CONTROL JOINTS IN SLAB ON GRADE PER DETAIL 3/ S501 AND PER GENERAL NOTES.
 - PLUMBING FISTURES AND FLOOR DRAINS ARE TO BE COORDINATED PER ARCH. & MEP DRAWINGS.
 - ALL EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE PER WALL SCHEDULE ON SHEET S004. SEE ARCHITECTURAL FLOOR PLAN FOR NON-BEARING WALL, DOOR, AND WINDOW LOCATIONS.
 - WALLS SHOWN ARE ON TOP OF THE PIERS, GRADE BEAMS, AND SLAB.
 - SEE ARCHITECTURAL DRAWINGS FOR ALL RAILING DETAILS. REFER TO GENERAL NOTES FOR DESIGN CRITERIA.
 - REFER TO MANUFACTURER'S GUIDELINES FOR INSTALLATION OF STRAP TIES, HOLD DOWNS & OTHER CONNECTIONS.
 - ALL EXTERIOR LUMBER (POSTS, BEAMS, DECKING, ETC.) TO BE TREATED.
 - REFER TO ARCHITECTURAL PLANS FOR STAIR DIMENSIONS AND REQUIREMENTS. REFER TO STRUCTURAL GENERAL NOTES FOR STAIR DESIGN CRITERIA.

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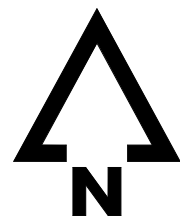
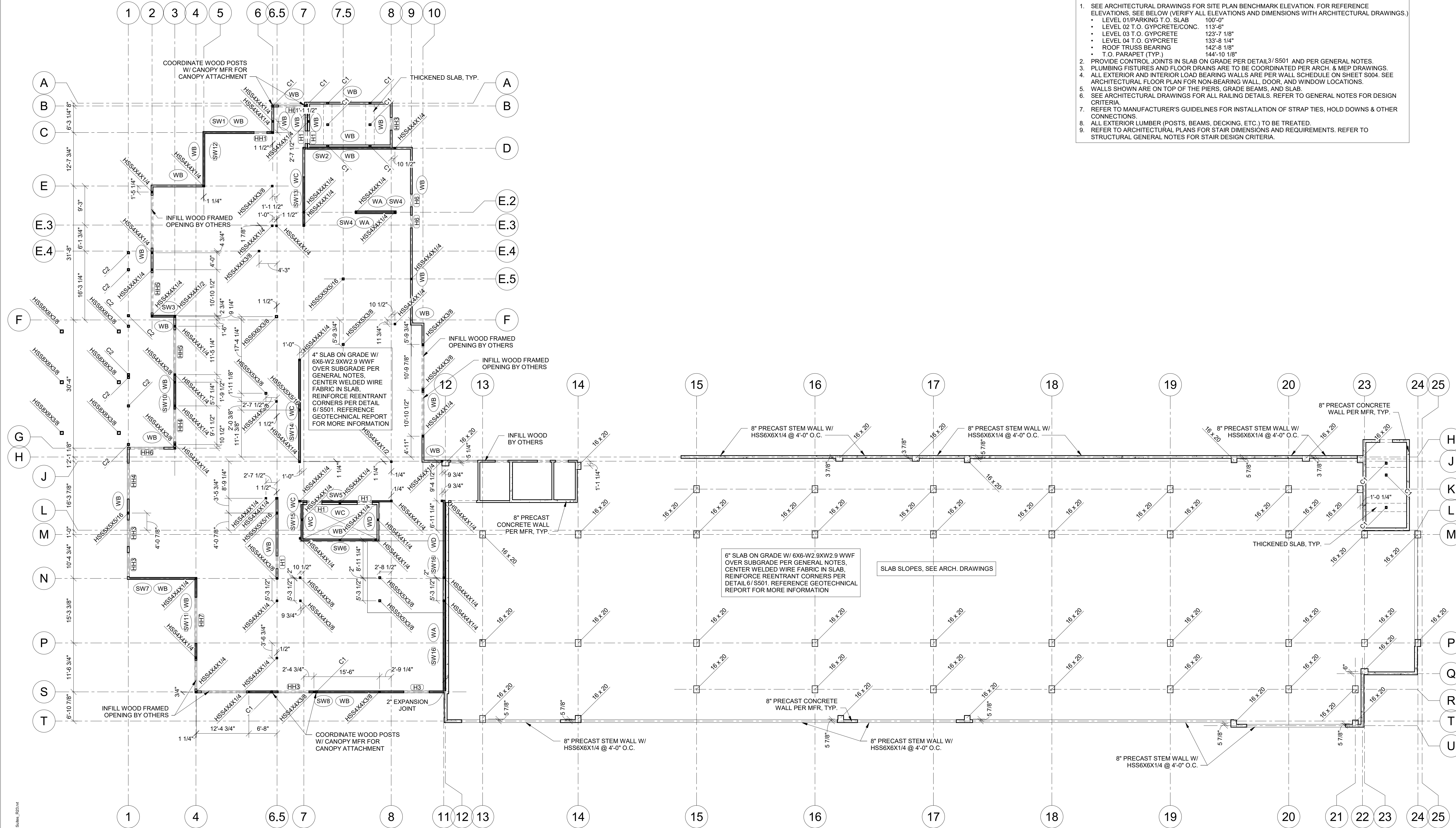
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SHEET TITLE
LEVEL 1 FRAMING PLAN

PROJECT NUMBER: 2023000333

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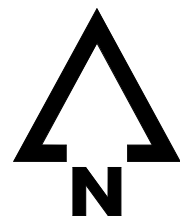
S102



1
S102
LEVEL 1 FRAMING PLAN
3/32" = 1'-0"

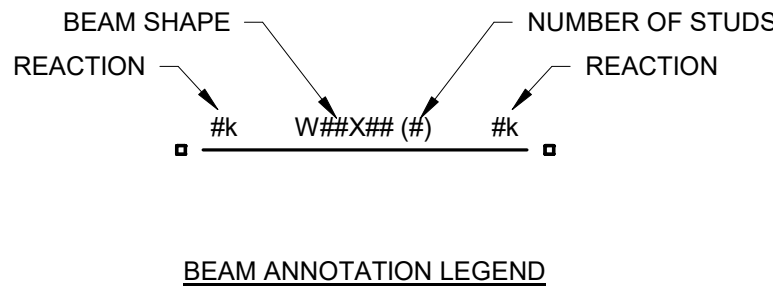
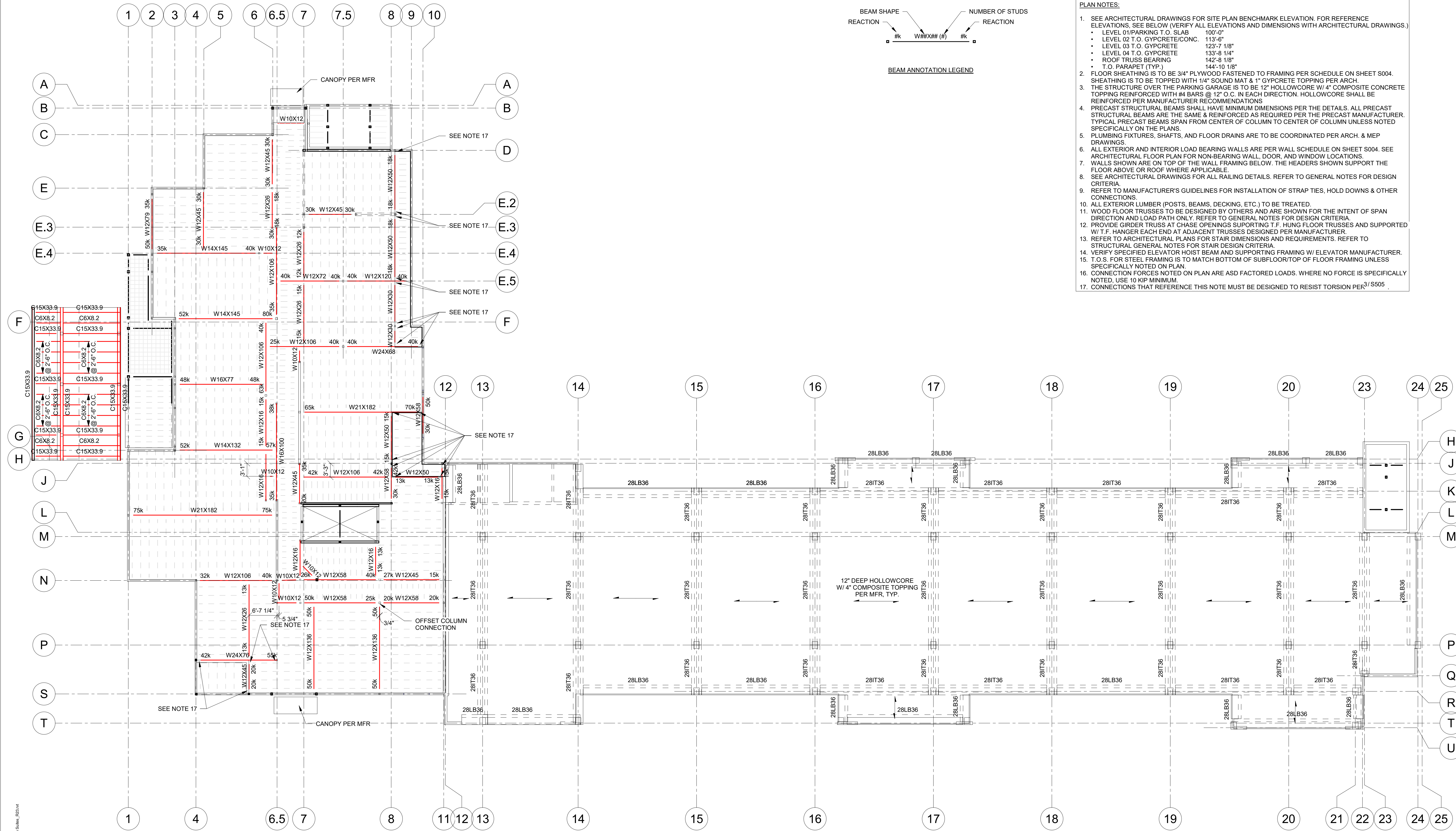
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Autodesk AutoCAD 2023
Drawing Path: Lee's Summit 2023000333 - Roomplan - Towneplace Suites - S102.rvt

10/31/2023 6:17:27 PM
Autodesk AutoCAD 2023
Drawing Path: Lee's Summit 2023000333 - Roomplan - Towneplace Suites, 10214



1
S103

LEVEL 2 STEEL & PODIUM PLAN
3/32" = 1'-0"



- PLAN NOTES:
- SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEVATION. FOR REFERENCE ELEVATIONS. SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS).
 - LEVEL 01/PARKING T.O. SLAB 100'-0"
 - LEVEL 02 T.O. GYPCRETE/CONC. 113'-6"
 - LEVEL 03 T.O. GYPCRETE 123'-7 1/8"
 - LEVEL 04 T.O. GYPCRETE 133'-8 1/4"
 - ROOF TRUSS BEARING 142'-8 1/8"
 - T.O. PARAPET (TYP.) 144'-10 1/8"
 - FLOOR SHEATHING IS TO BE 3/4" PLYWOOD FASTENED TO FRAMING PER SCHEDULE ON SHEET S004. SHEATHING IS TO BE TOPPED WITH 1/4" SOUND MAT & 1" GYPCRETE TOPPING PER ARCH.
 - THE STRUCTURE OVER THE PARKING GARAGE IS TO BE 12" HOLLOWCORE W/ 4" COMPOSITE CONCRETE TOPPING REINFORCED WITH #4 BARS @ 12" O.C. IN EACH DIRECTION. HOLLOWCORE SHALL BE REINFORCED PER MANUFACTURER RECOMMENDATIONS
 - PRECAST STRUCTURAL BEAMS SHALL HAVE MINIMUM DIMENSIONS PER THE DETAILS. ALL PRECAST STRUCTURAL BEAMS ARE THE SAME & REINFORCED AS REQUIRED PER THE PRECAST MANUFACTURER. TYPICAL PRECAST BEAMS SPAN FROM CENTER OF COLUMN TO CENTER OF COLUMN UNLESS NOTED SPECIFICALLY ON THE PLANS
 - PLUMBING FIXTURES, SHAFTS, AND FLOOR DRAINS ARE TO BE COORDINATED PER ARCH. & MEP DRAWINGS.
 - ALL EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE PER WALL SCHEDULE ON SHEET S004. SEE ARCHITECTURAL FLOOR PLAN FOR NON-BEARING WALL, DOOR, AND WINDOW LOCATIONS.
 - WALLS SHOWN ARE ON TOP OF THE WALL FRAMING BELOW. THE HEADERS SHOWN SUPPORT THE FLOOR ABOVE OR ROOF WHERE APPLICABLE.
 - SEE ARCHITECTURAL DRAWINGS FOR ALL RAILING DETAILS. REFER TO GENERAL NOTES FOR DESIGN CRITERIA.
 - REFER TO MANUFACTURER'S GUIDELINES FOR INSTALLATION OF STRAP TIES, HOLD DOWNS & OTHER CONNECTIONS
 - ALL EXTERIOR LUMBER (POSTS, BEAMS, DECKING, ETC.) TO BE TREATED.
 - WOOD FLOOR TRUSSES TO BE DESIGNED BY OTHERS AND ARE SHOWN FOR THE INTENT OF SPAN DIRECTION AND LOAD PATH ONLY. REFER TO GENERAL NOTES FOR DESIGN CRITERIA.
 - PROVIDE GIRDER TRUSS AT CHASE OPENINGS SUPPORTING T.F. HUNG FLOOR TRUSSES AND SUPPORTED W/ T.F. HANGER EACH END AT ADJACENT TRUSSES DESIGNED PER MANUFACTURER.
 - REFER TO ARCHITECTURAL PLANS FOR STAIR DIMENSIONS AND REQUIREMENTS. REFER TO STRUCTURAL GENERAL NOTES FOR STAIR DESIGN CRITERIA.
 - VERIFY SPECIFIED ELEVATOR HOIST BEAM AND SUPPORTING FRAMING W/ ELEVATOR MANUFACTURER.
 - T.O.S. FOR STEEL FRAMING IS TO MATCH BOTTOM OF SUBFLOOR/TOP OF FLOOR FRAMING UNLESS SPECIFICALLY NOTED ON PLAN.
 - CONNECTION FORCES NOTED ON PLAN ARE ASD FACTORED LOADS. WHERE NO FORCE IS SPECIFICALLY NOTED, USE 10 KIP MINIMUM.
 - CONNECTIONS THAT REFERENCE THIS NOTE MUST BE DESIGNED TO RESIST TORSION PER 3/ S505 .

PRINTS ISSUED
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REVISIONS:



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P 573-814-1598

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TOWNEPLACE SUITES

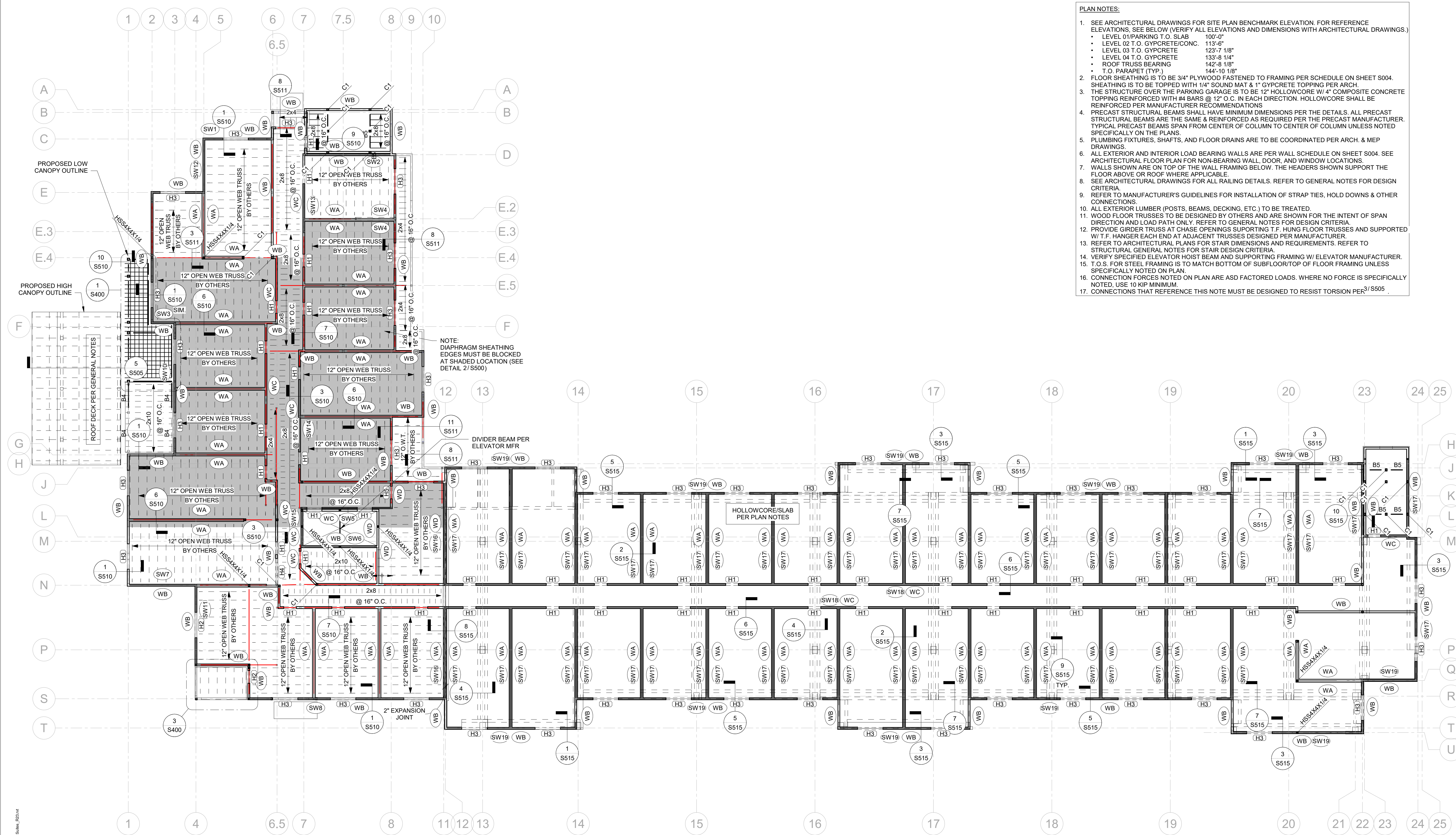
1810 NORTHEAST DOUGLAS ST
LEE'S SUMMIT, MO 64064

SHEET TITLE
LEVEL 2 STEEL & PODIUM PLAN

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S103



- PLAN NOTES:
- SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEVATION. FOR REFERENCE ELEVATIONS. SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS).
 - LEVEL 01/PARKING T.O. SLAB 100'-0"
 - LEVEL 02 T.O. GYPCRETE/CONC. 113'-6"
 - LEVEL 03 T.O. GYPCRETE 123'-7 1/8"
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 - WALLS SHOWN ARE ON TOP OF THE WALL FRAMING BELOW. THE HEADERS SHOWN SUPPORT THE FLOOR ABOVE OR ROOF WHERE APPLICABLE.
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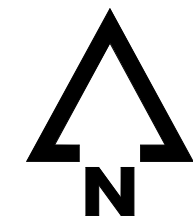
1810 NORTHEAST DOUGLAS ST
LEE'S SUMMIT, MO 64064

SHEET TITLE
LEVEL 2 FRAMING PLAN

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S104

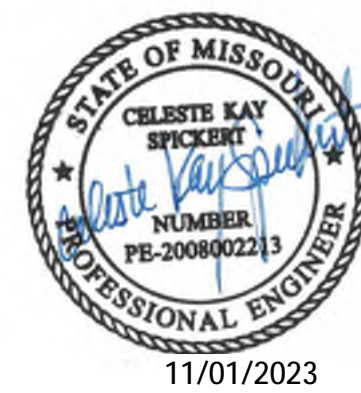


1 LEVEL 2 FRAMING PLAN
S104 3/32" = 1'-0"

- PLAN NOTES:
- SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEVATION. FOR REFERENCE ELEVATIONS, SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS).
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 - LEVEL 04 T.O. GYPCRETE 133'-8 1/4"
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 - T.O. PARAPET (TYP.) 144'-10 1/8"
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 - SEE ARCHITECTURAL DRAWINGS FOR ALL RAILING DETAILS. REFER TO GENERAL NOTES FOR DESIGN CRITERIA.
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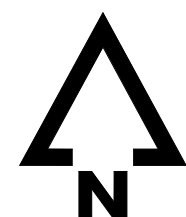
1810 NORTHEAST DOUGLAS ST
LEE'S SUMMIT, MO 64064

SHEET TITLE
LEVEL 3 FRAMING PLAN

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S105



1 LEVEL 3 FRAMING PLAN
S105 3/32" = 1'-0"

- PLAN NOTES:
- SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEVATION. FOR REFERENCE ELEVATIONS, SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS).
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 - LEVEL 04 T.O. GYPCRETE 133'-8 1/4"
 - ROOF TRUSS BEARING 142'-8 1/8"
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TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST
LEE'S SUMMIT, MO 64064

SHEET TITLE
LEVEL 4 FRAMING PLAN

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S106



1 LEVEL 4 FRAMING PLAN
S106 3/32" = 1'-0"

10/11/2023 6:17:46 PM
Autodesk LTW 2023000333
Drawing Path: Lee's Summit\2023000333_Rooms.dwg
Roomname: Towneplace Suites, S106.dwg

- ROOF PLAN NOTES:
- SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEVATION. FOR REFERENCE ELEVATIONS, SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS).
 - LEVEL 01/PARKING T.O. SLAB 100'-0"
 - LEVEL 02 T.O. GYPCRETE/CONC. 113'-6"
 - LEVEL 03 T.O. GYPCRETE 123'-7 1/8"
 - LEVEL 04 T.O. GYPCRETE 133'-8 1/4"
 - ROOF TRUSS BEARING 142'-8 1/8"
 - T.O. PARAPET (TYP.) 144'-10 1/8"
 - ROOF SHEATHING IS TO BE 3/4" PLYWOOD FASTENED TO FRAMING PER SCHEDULE ON SHEET S004. SHEATHING IS TO BE TOPPED WITH SLOPED RIGID INSULATION PER ARCH.
 - RTU PENETRATIONS TO BE COORDINATED PER ARCH. & MEP DRAWINGS.
 - PARAPET FRAMING IS TO BE PER DETAILS PART OF THE ROOF TRUSSES DESIGNED BY OTHERS.
 - SEE ARCHITECTURAL DRAWINGS FOR ALL RAILING DETAILS. REFER TO GENERAL NOTES FOR DESIGN CRITERIA.
 - REFER TO MANUFACTURER'S GUIDELINES FOR INSTALLATION OF STRAP TIES, HOLD DOWNS & OTHER CONNECTIONS.
 - ALL EXTERIOR LUMBER (POSTS, BEAMS, DECKING, ETC.) TO BE TREATED.
 - WOOD ROOF TRUSSES TO BE DESIGNED BY OTHERS AND ARE SHOWN FOR THE INTENT OF SPAN DIRECTION AND LOAD PATH ONLY. REFER TO GENERAL NOTES FOR DESIGN CRITERIA.
 - PROVIDE ROOF TRUSS HEADER AT CHASE OPENINGS SUPPORTING T.F. HUNG ROOF TRUSSES AND SUPPORTED W/ T.F. HANGER EACH END AT ADJACENT TRUSSES DESIGNED PER MANUFACTURER.
 - REFER TO ARCHITECTURAL PLANS FOR STAIR DIMENSIONS AND REQUIREMENTS. REFER TO STRUCTURAL GENERAL NOTES FOR STAIR DESIGN CRITERIA.
 - VERIFY SPECIFIED ELEVATOR HOIST BEAM AND SUPPORTING FRAMING W/ ELEVATOR MANUFACTURER.
 - T.O.S. FOR STEEL FRAMING IS TO MATCH TOP OF ROOF FRAMING UNLESS SPECIFICALLY NOTED ON PLAN.

PRINTS ISSUED
11/01/23 - CITY SUBMITTAL

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NO. E-2006023253
EXPIRES: DECEMBER 31, 2024

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TOWNEPLACE SUITES

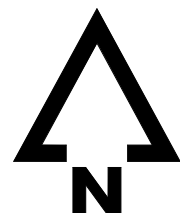
1810 NORTHEAST DOUGLAS ST
LEE'S SUMMIT, MO 64064

SHEET TITLE
ROOF FRAMING PLAN

PROJECT NUMBER: 2023000333

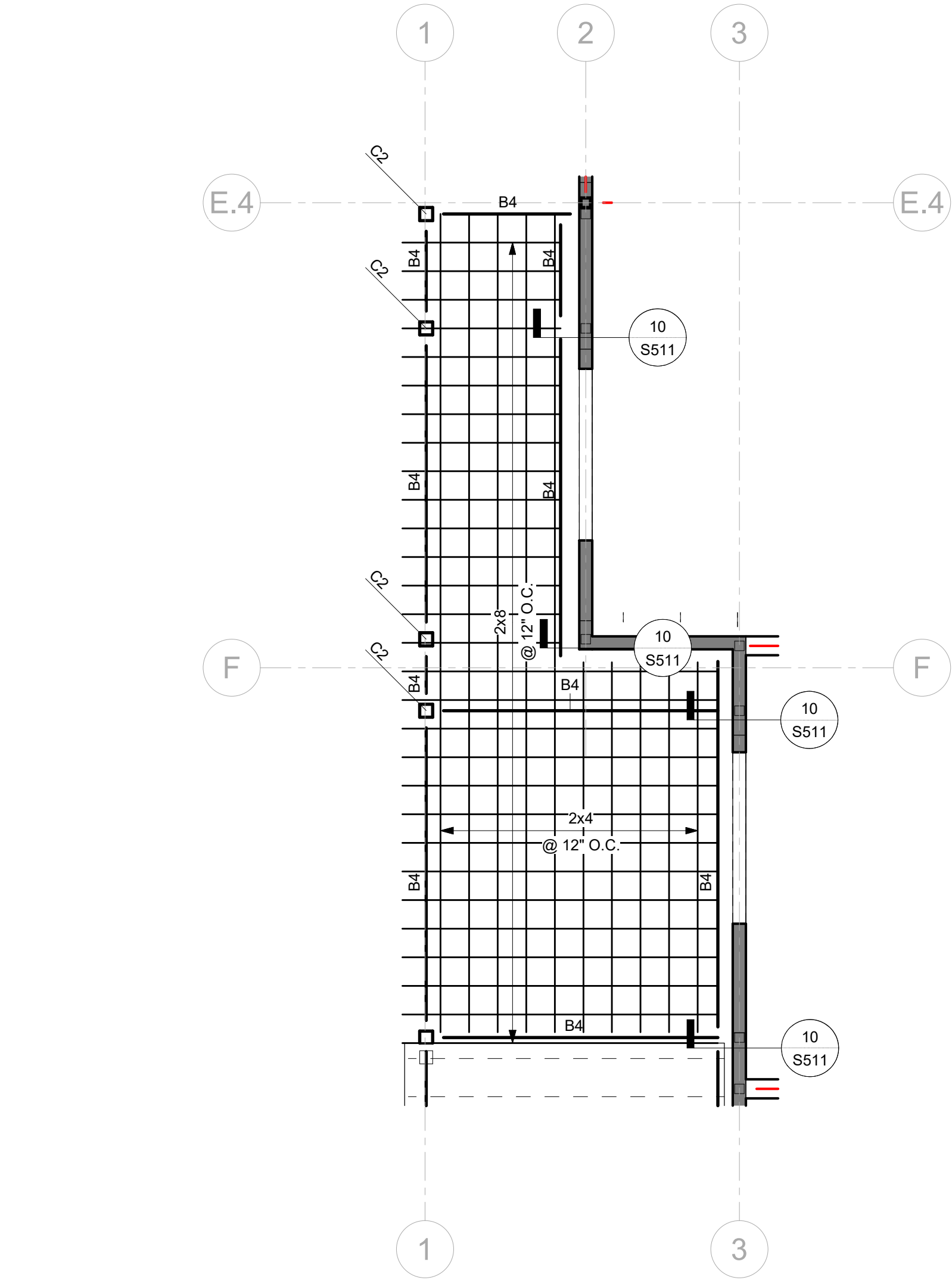
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S107

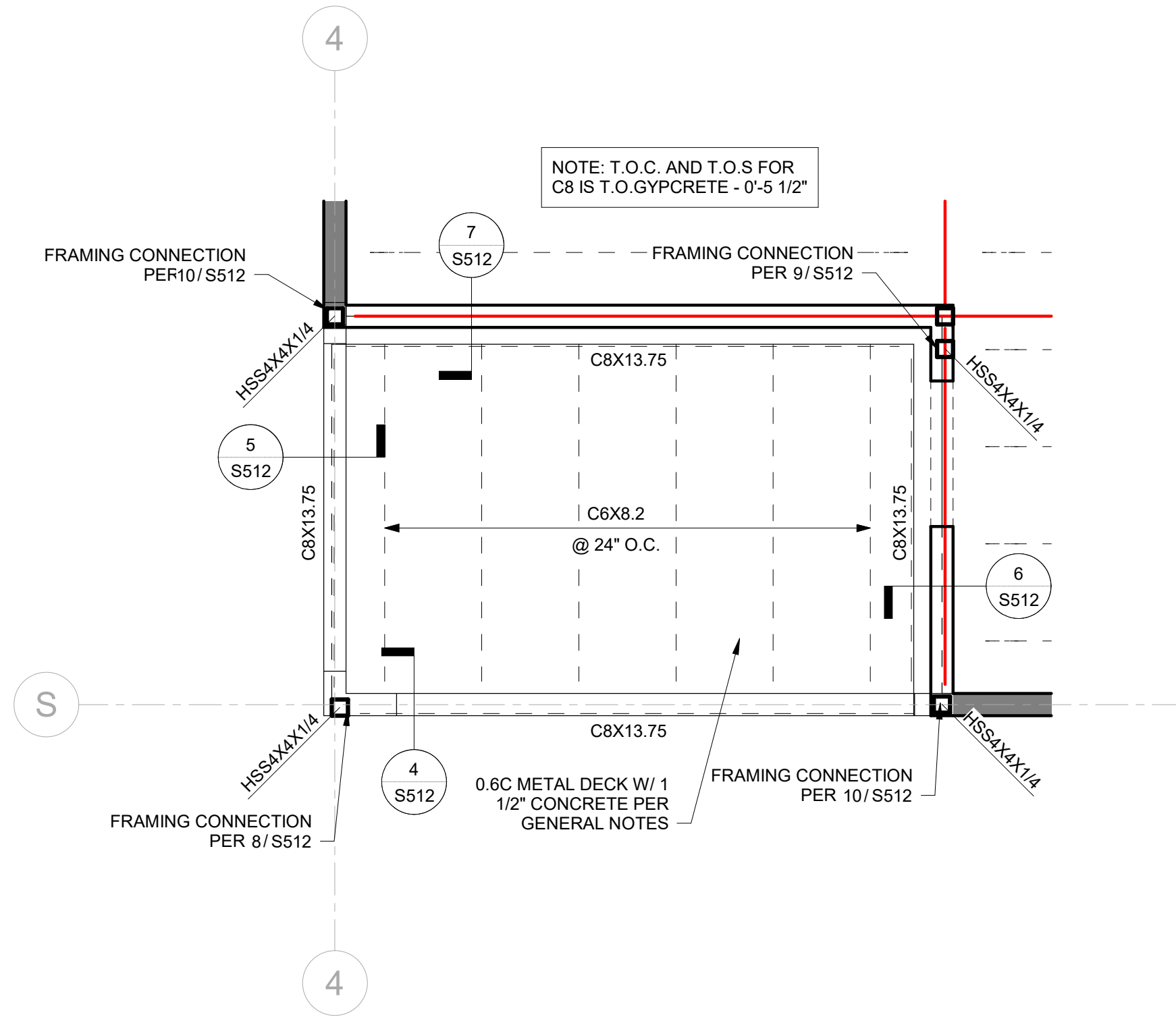


1 ROOF FRAMING PLAN
S107 3/32" = 1'-0"

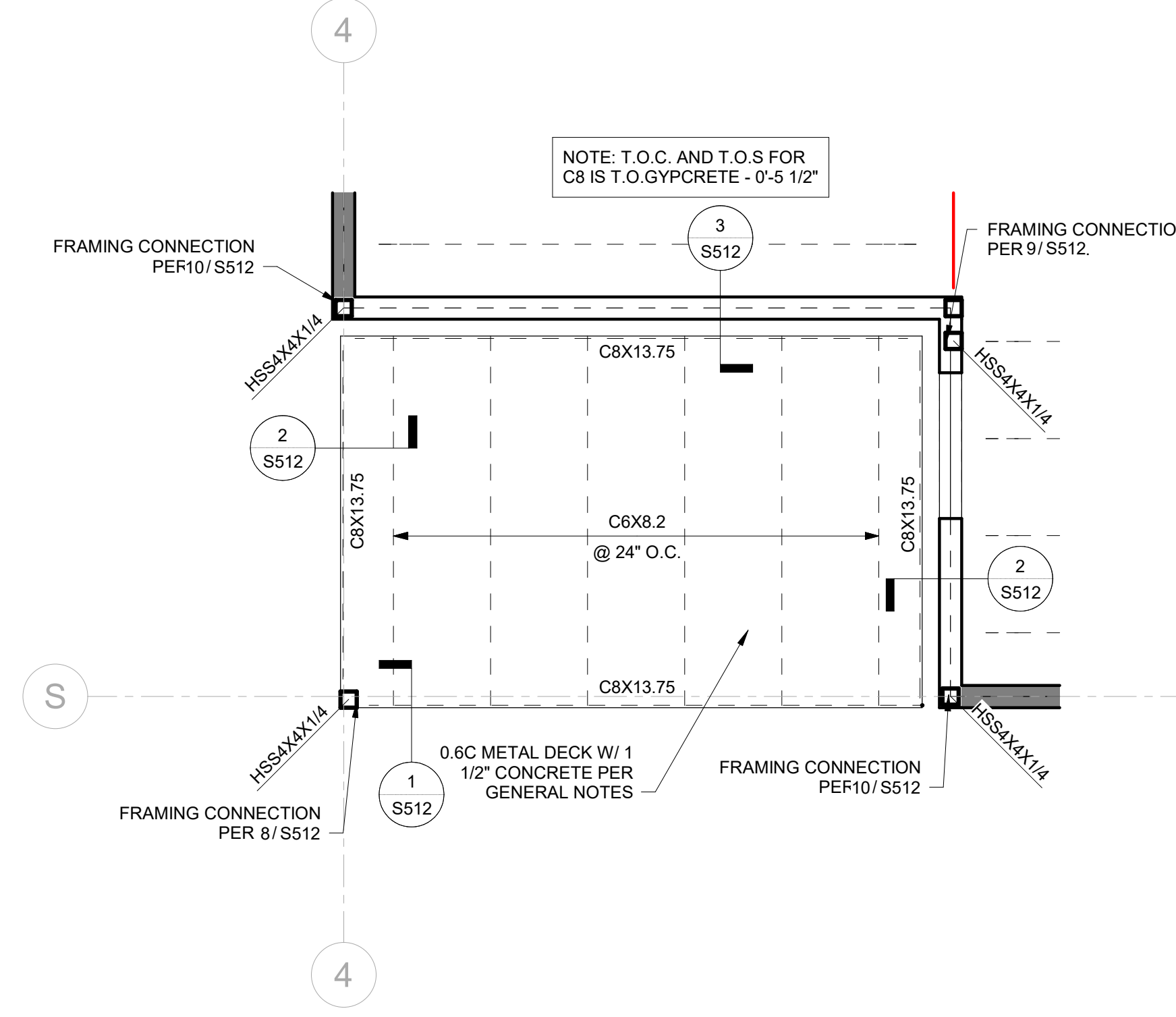
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Autodesk AutoCAD 2023.00333
Drawing Path: Lee's Summit\2023000333_Rooms\TOWNEPLACE Suites_S107.dwg
Room: TOWNEPLACE Suites_S107.dwg



1 ENLARGED PERGOLA PLAN
S400 1/4" = 1'-0"



2 LEVEL 2 BALCONY FRAMING PLAN
S400 3/8" = 1'-0"



3 LEVELS 3 & 4 BALCONY FRAMING PLAN
S400 3/8" = 1'-0"

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TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST
LEE'S SUMMIT, MO 64064

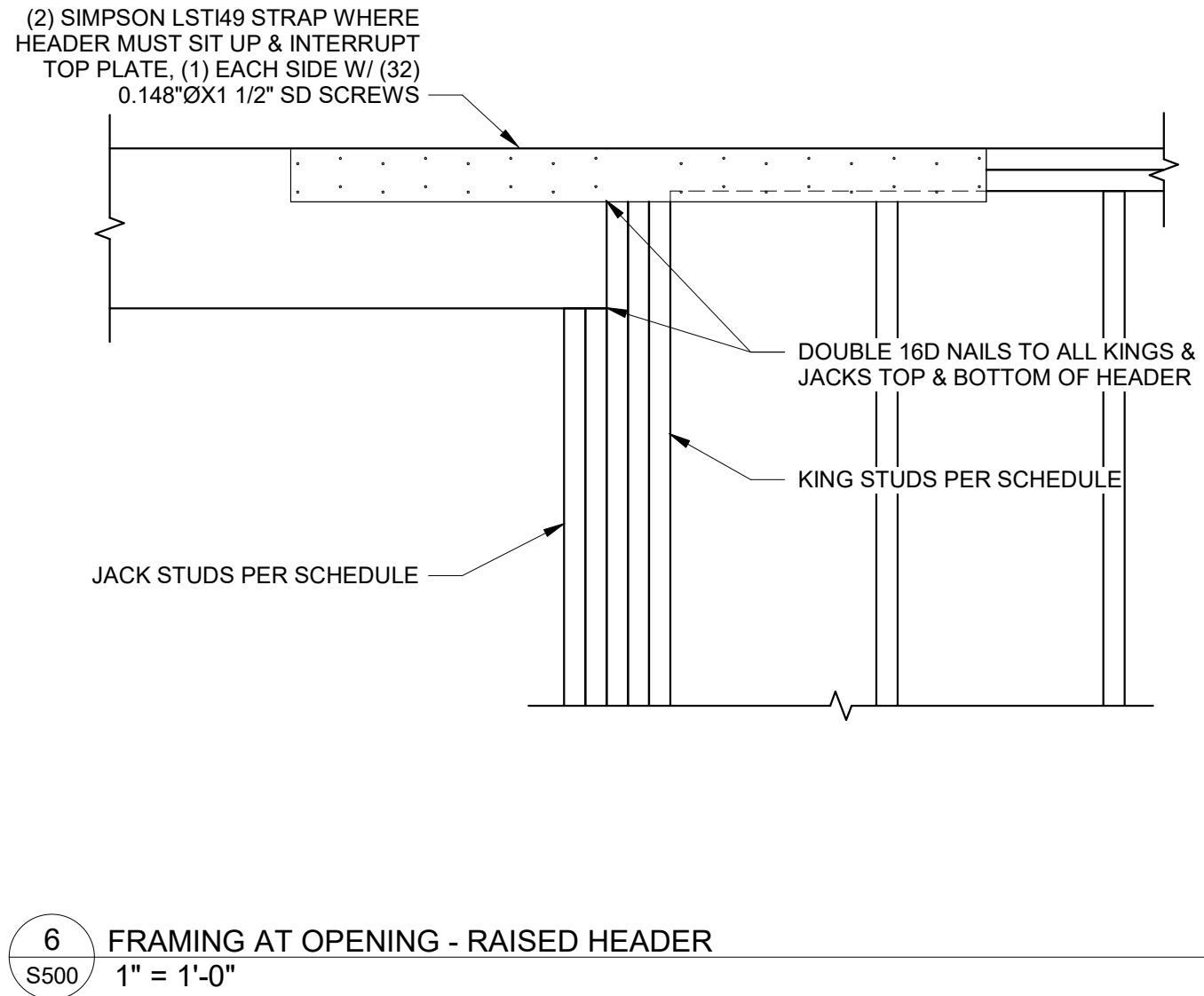
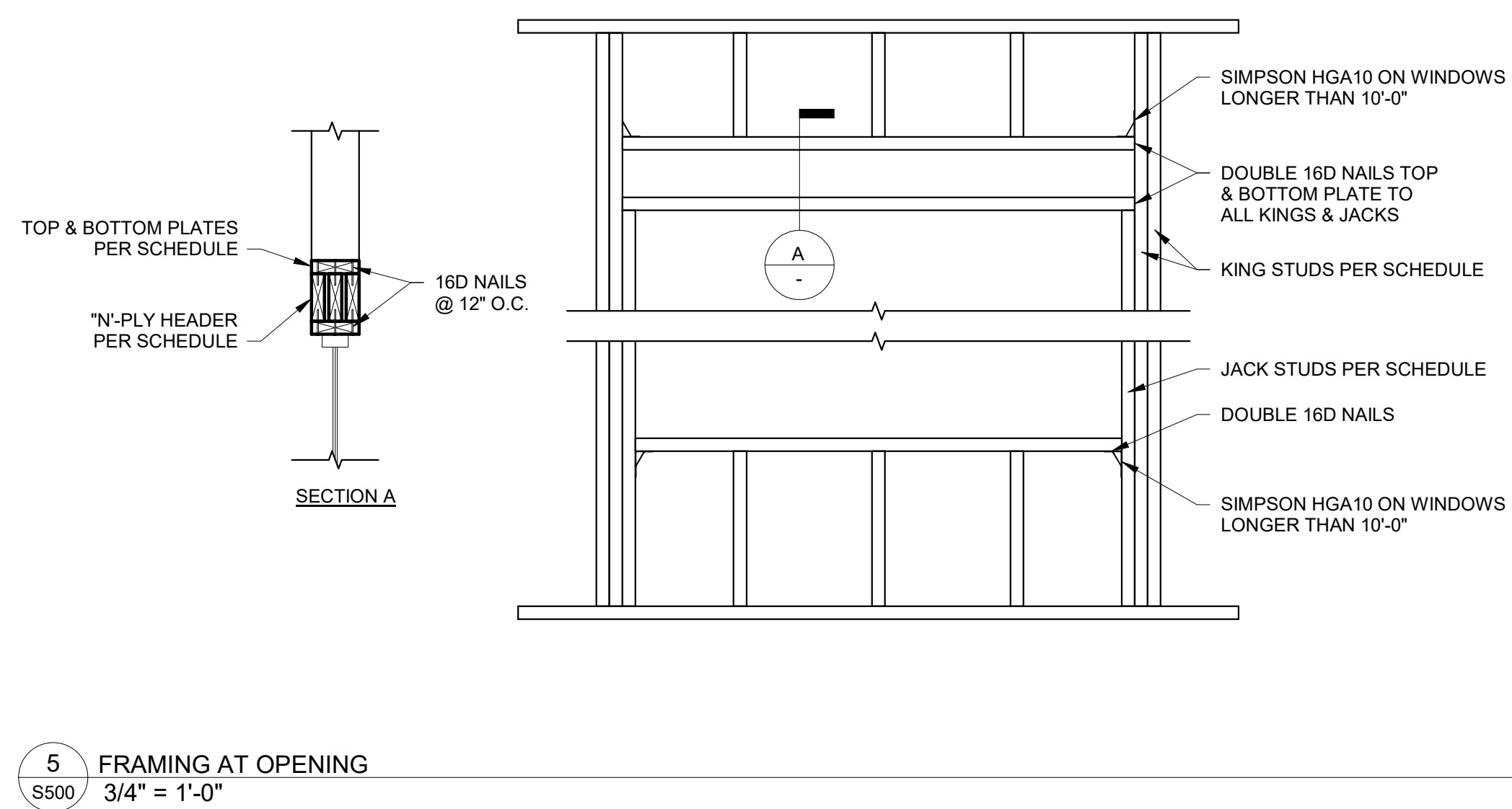
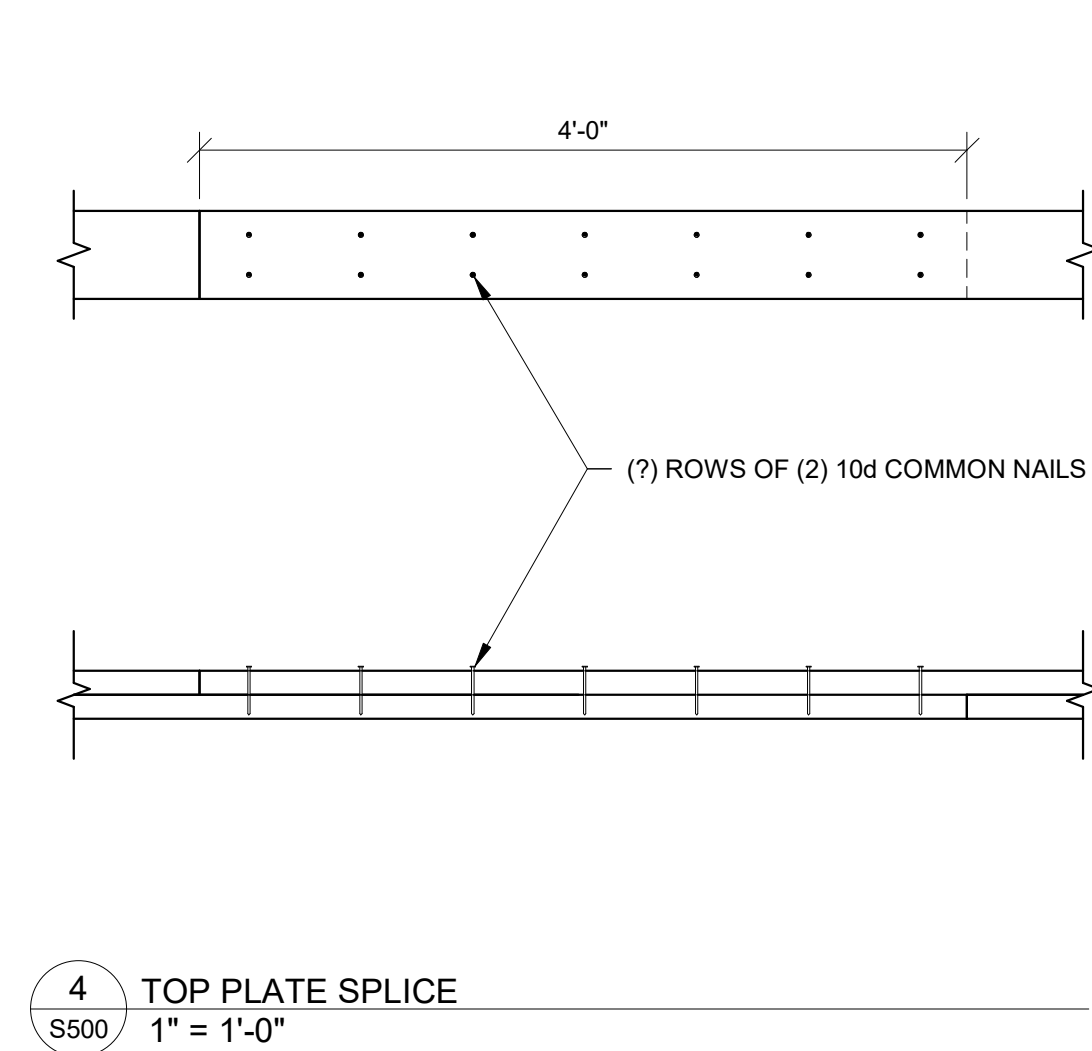
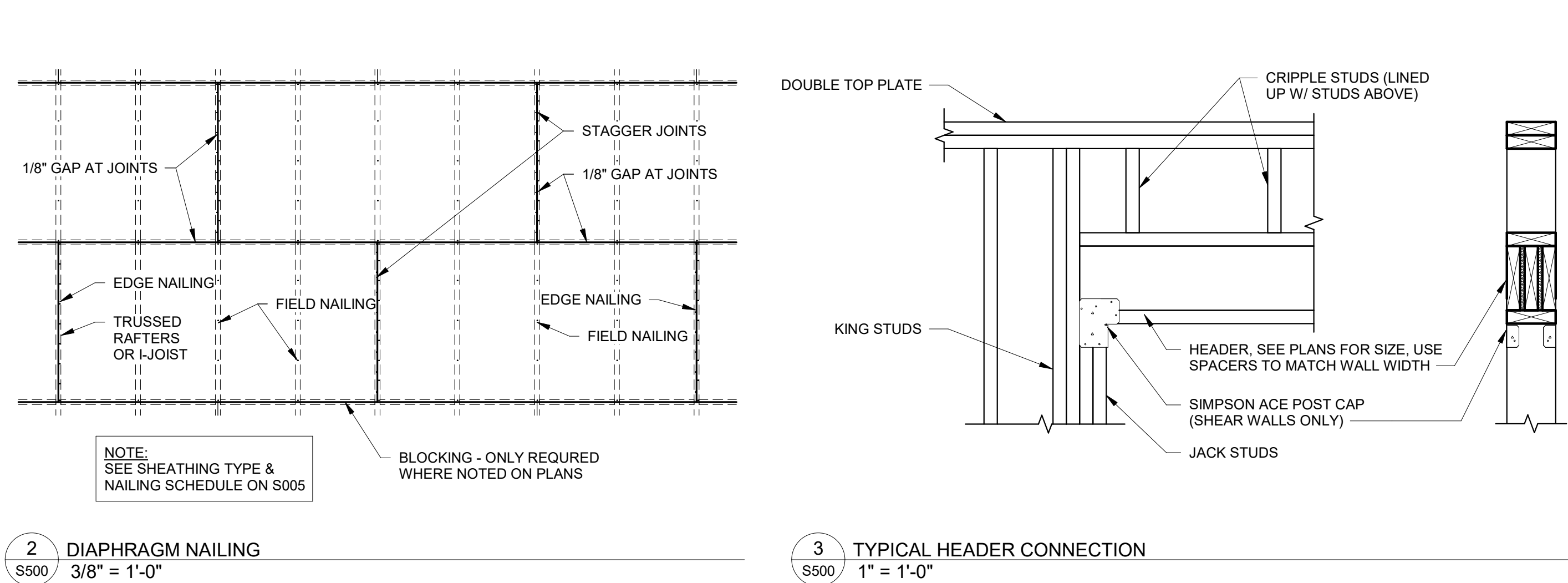
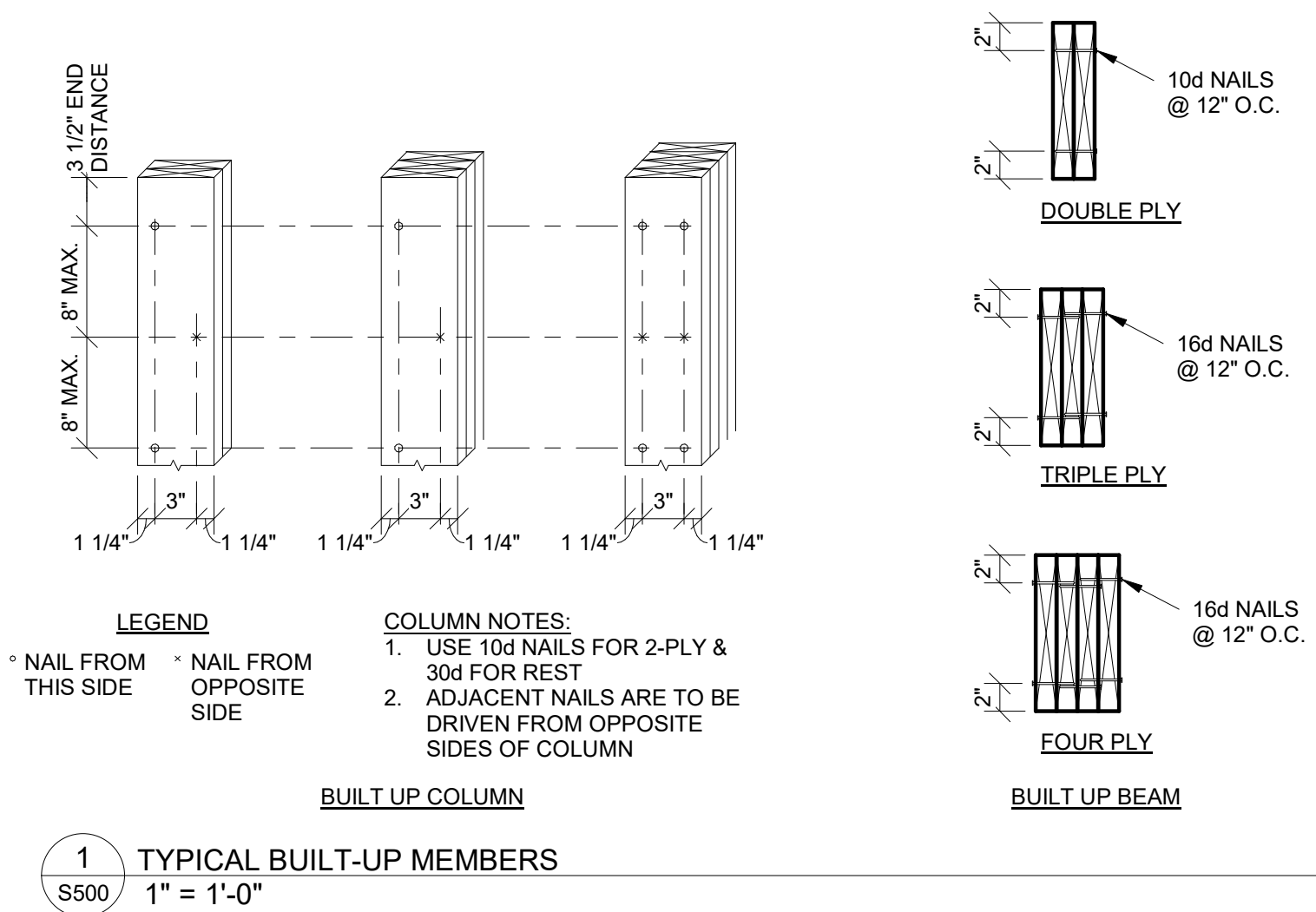
SHEET TITLE
ENLARGED VIEWS

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S400

1/31/2025 6:15:13 PM
Audrey Lora 2023000333
Discovery Plot, Lee's Summit 2023000333
Roumanian - Towneplace Suites, 02/1/24



PRINTS ISSUED
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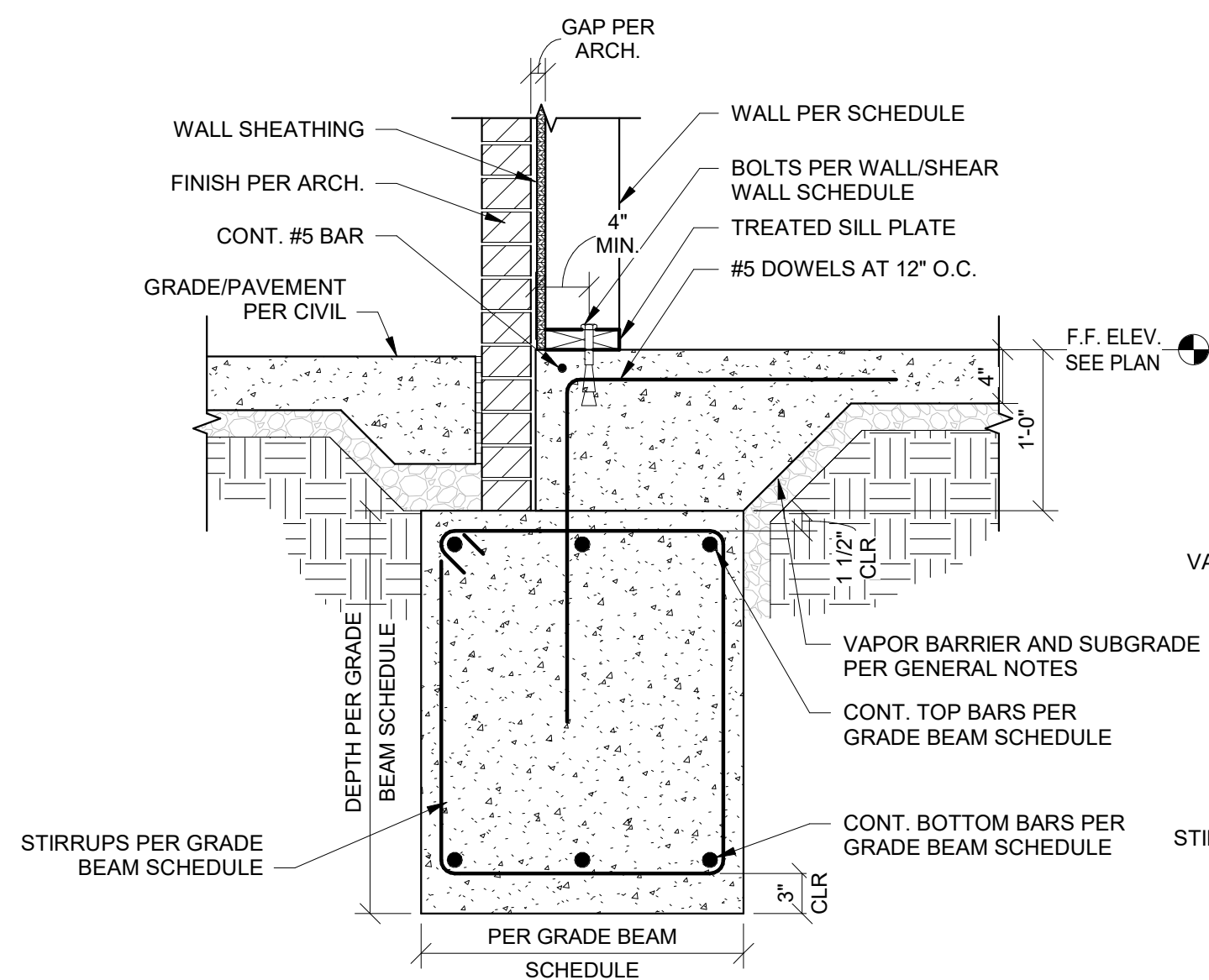
TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST
LEE'S SUMMIT, MO 64064

SHEET TITLE
TYPICAL DETAILS

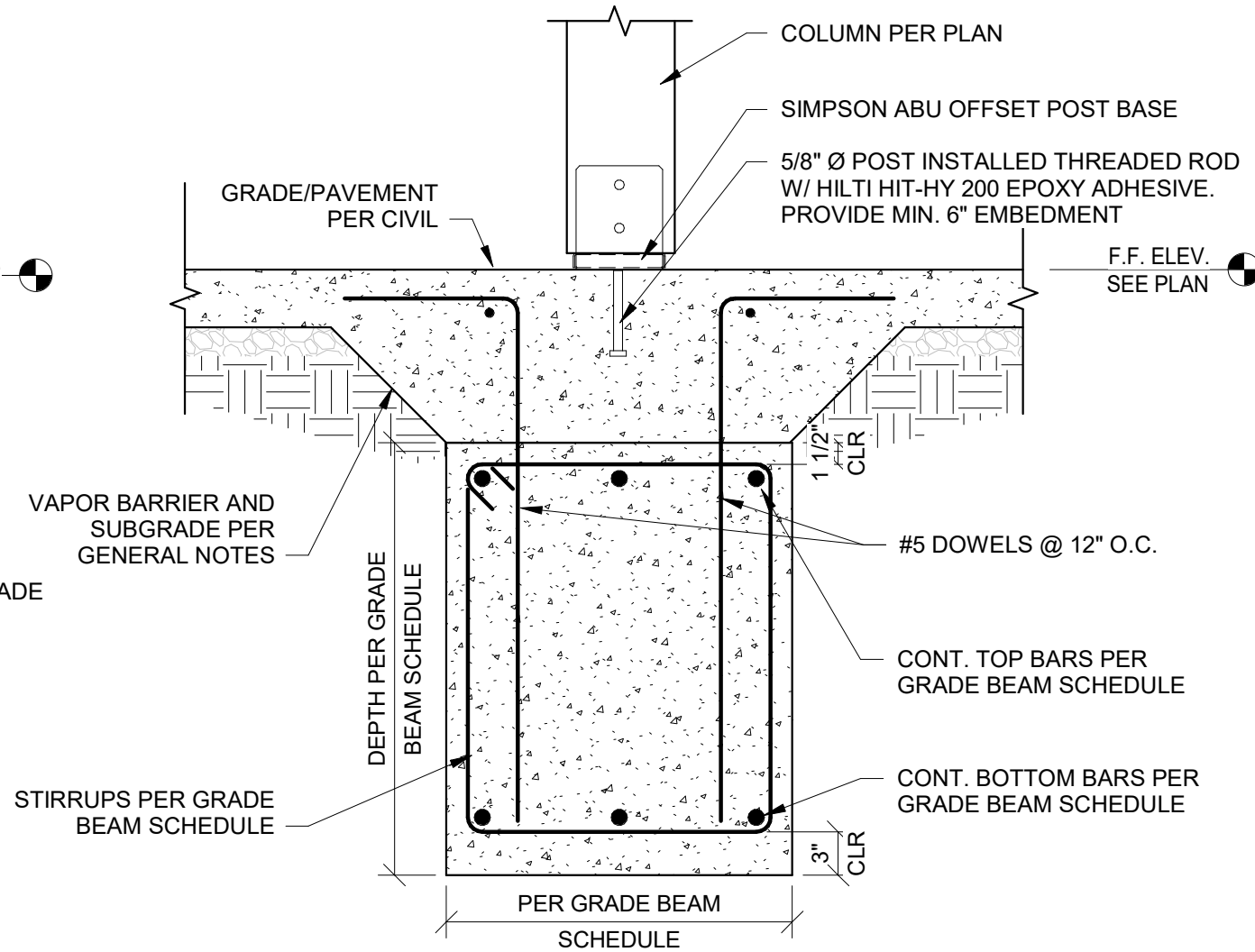
PROJECT NUMBER: 2023000333

SHEET NUMBER:

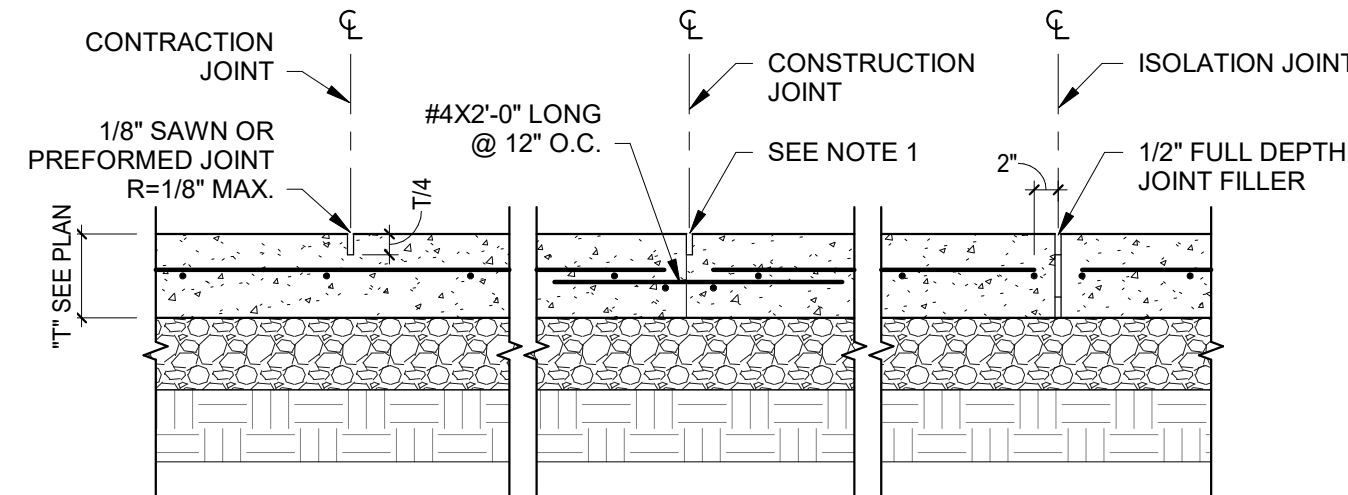
S500



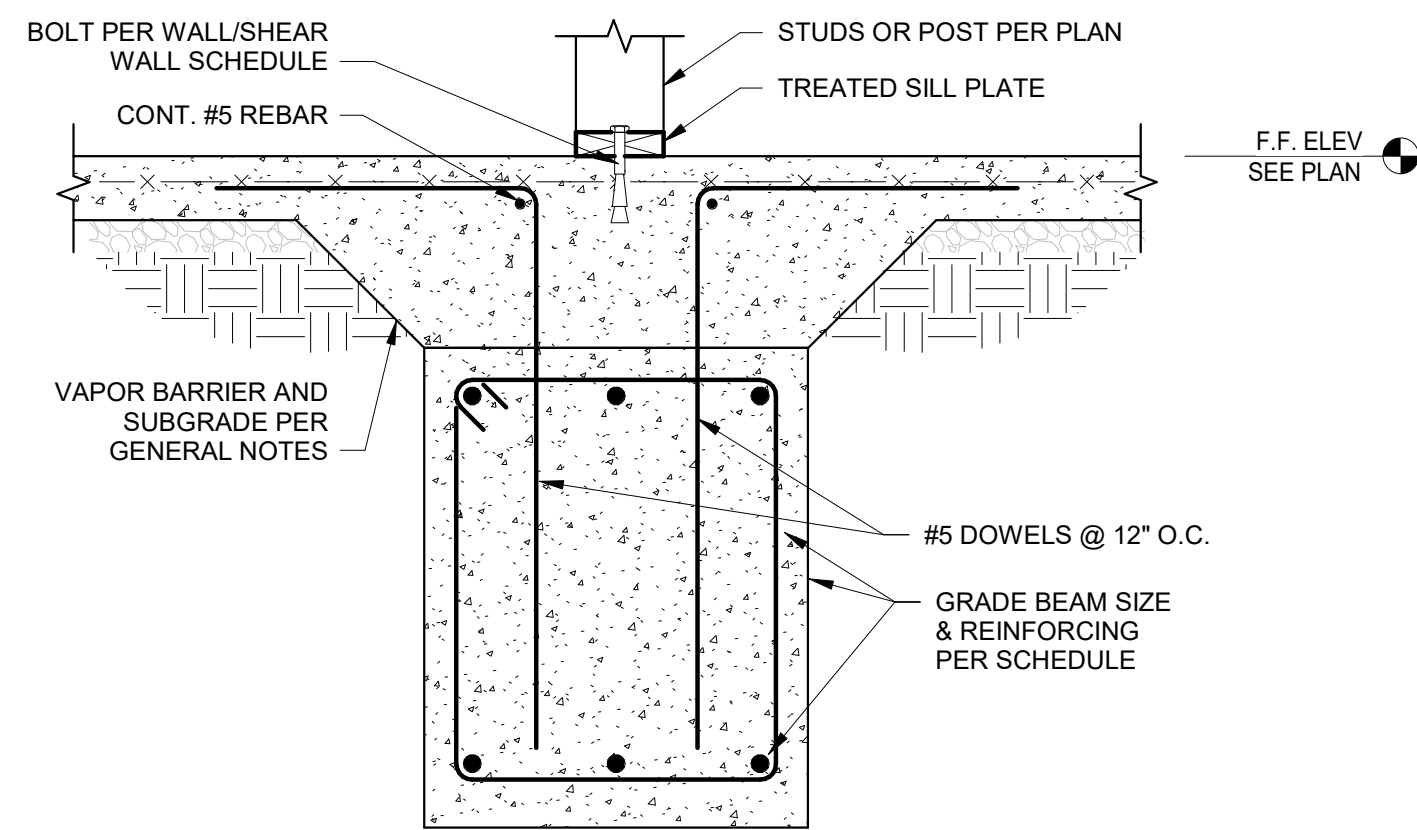
1 SECTION AT FOOTING
S501 1" = 1'-0"



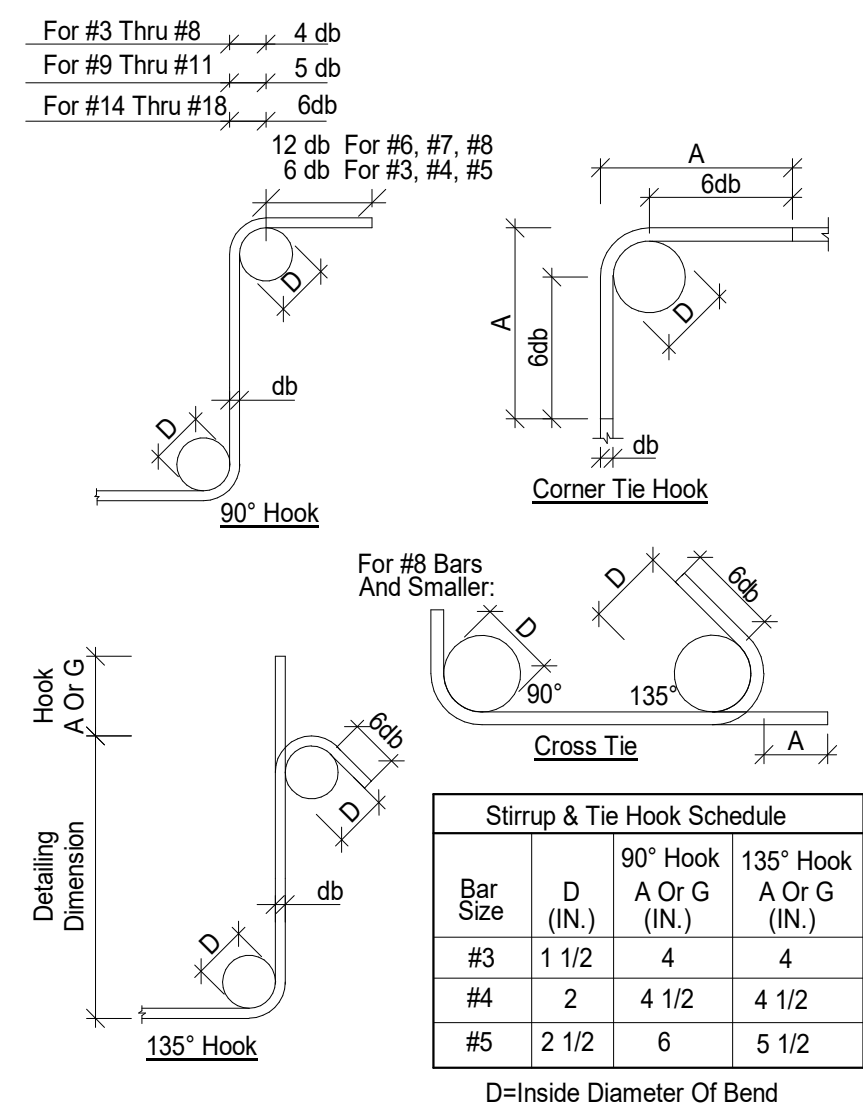
2 SECTION AT COLUMN FOOTING
S501 1" = 1'-0"



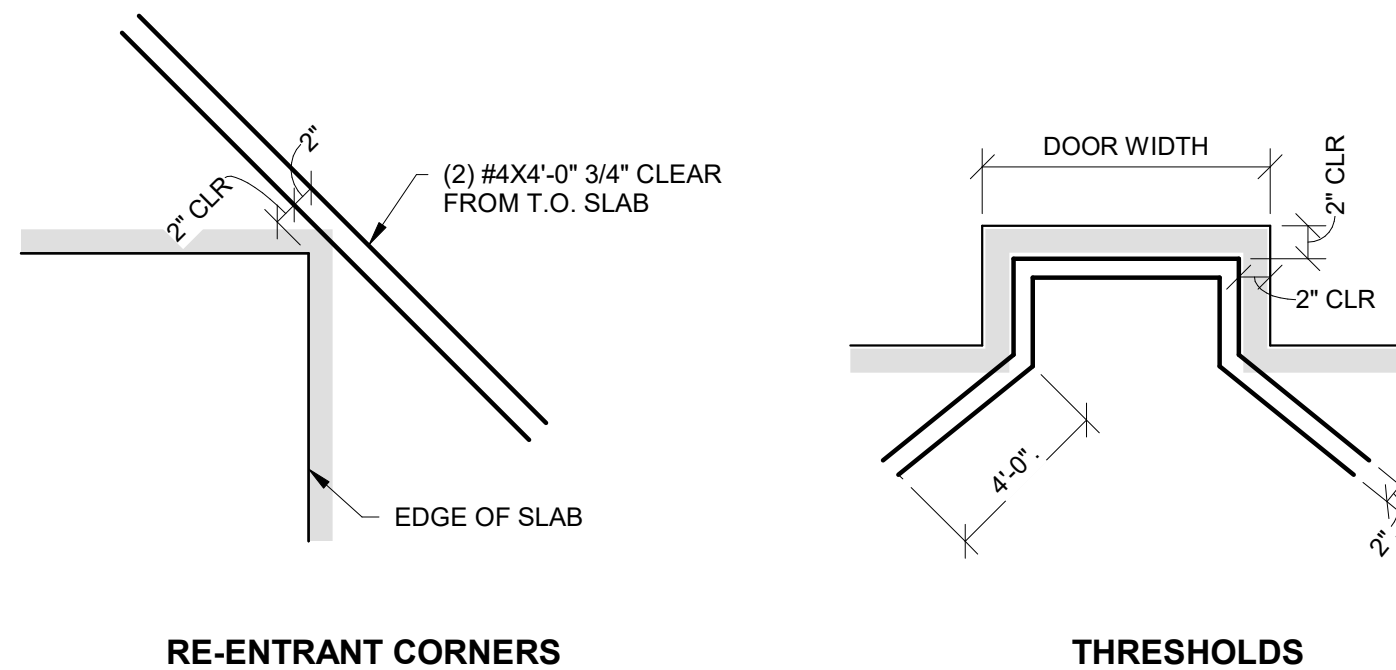
3 TYPICAL SLAB ON GRADE JOINTS
S501 3/4" = 1'-0"



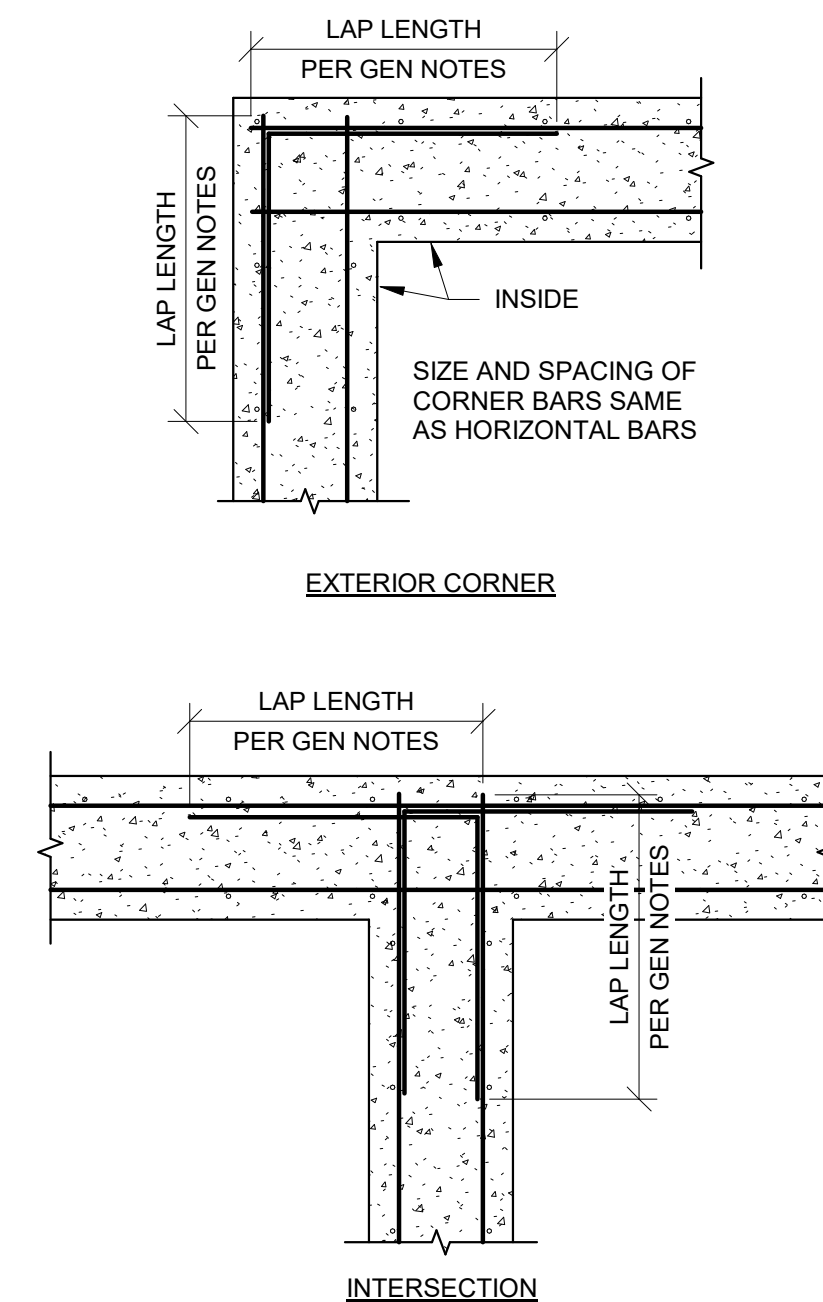
4 INTERIOR BEARING WALL AT GRADE BEAM
S501 1" = 1'-0"



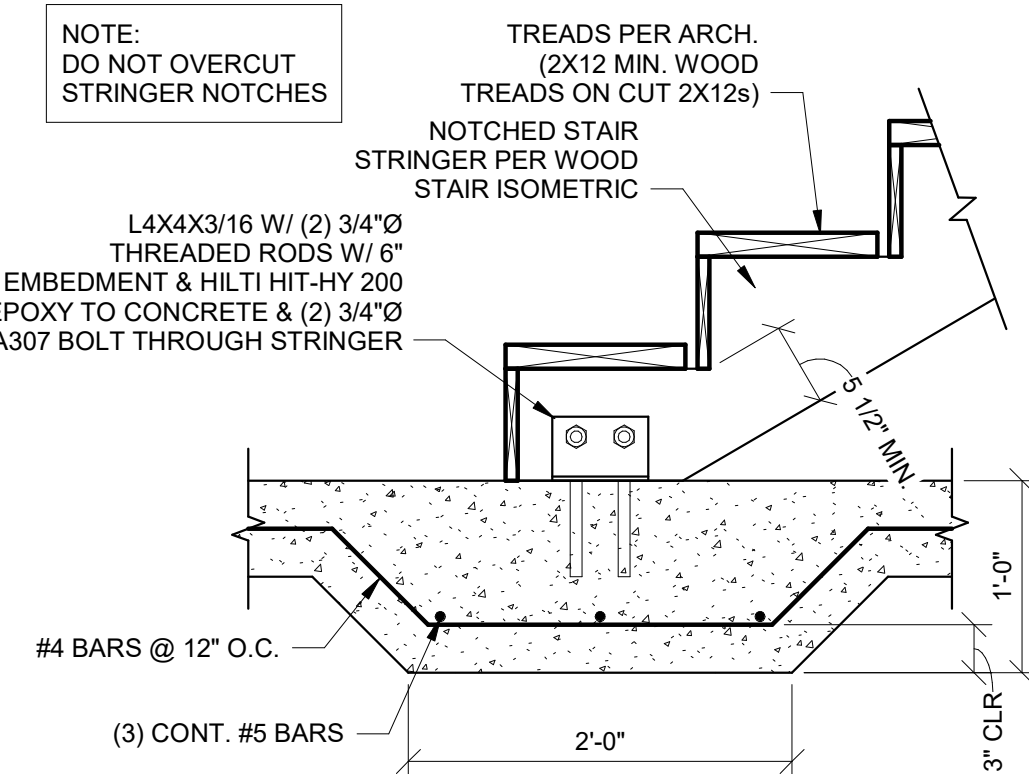
5 BAR BENDING DETAIL
S501 3/4" = 1'-0"



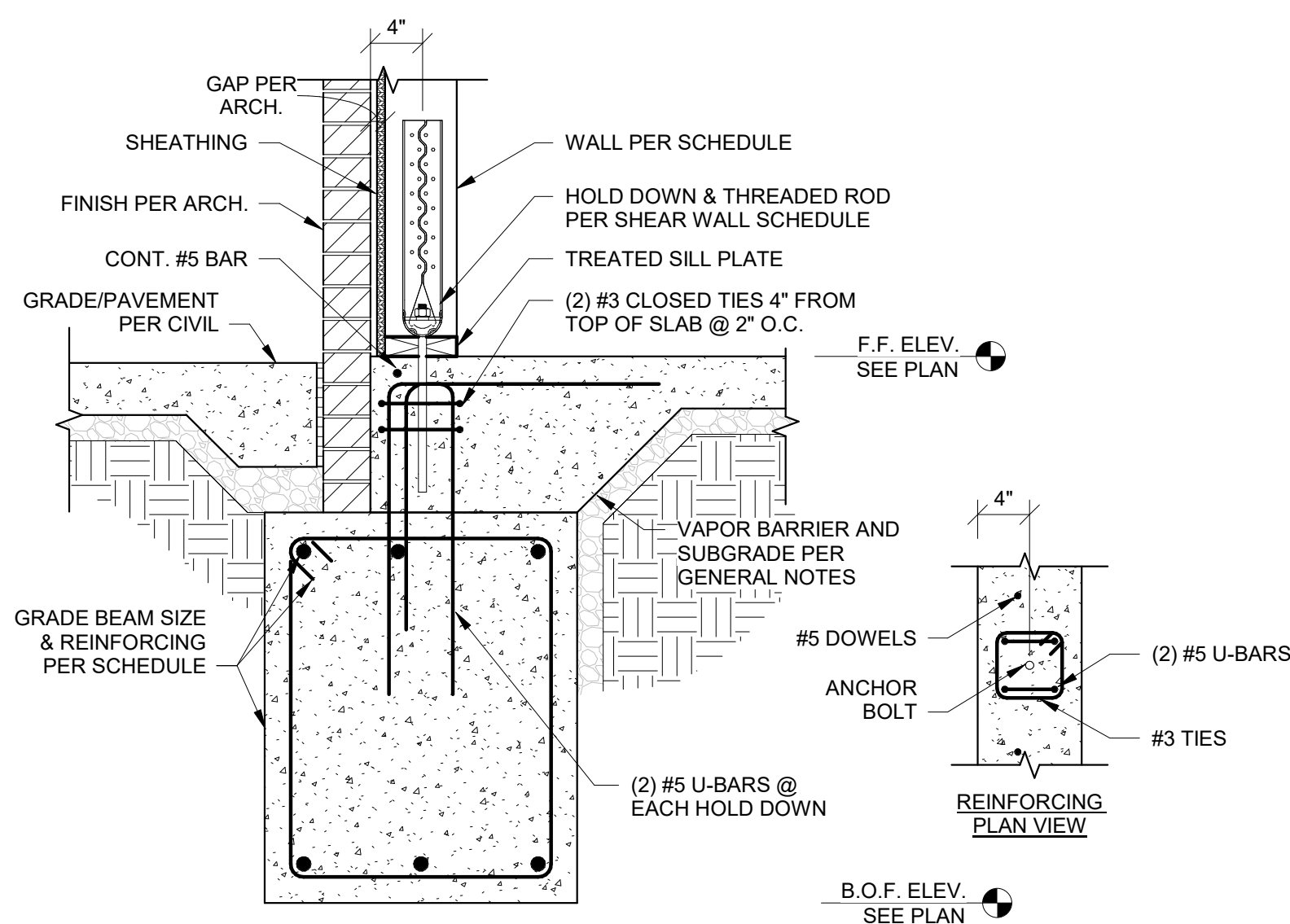
6 ADDITIONAL REINFORCING IN SLABS
S501 3/4" = 1'-0"



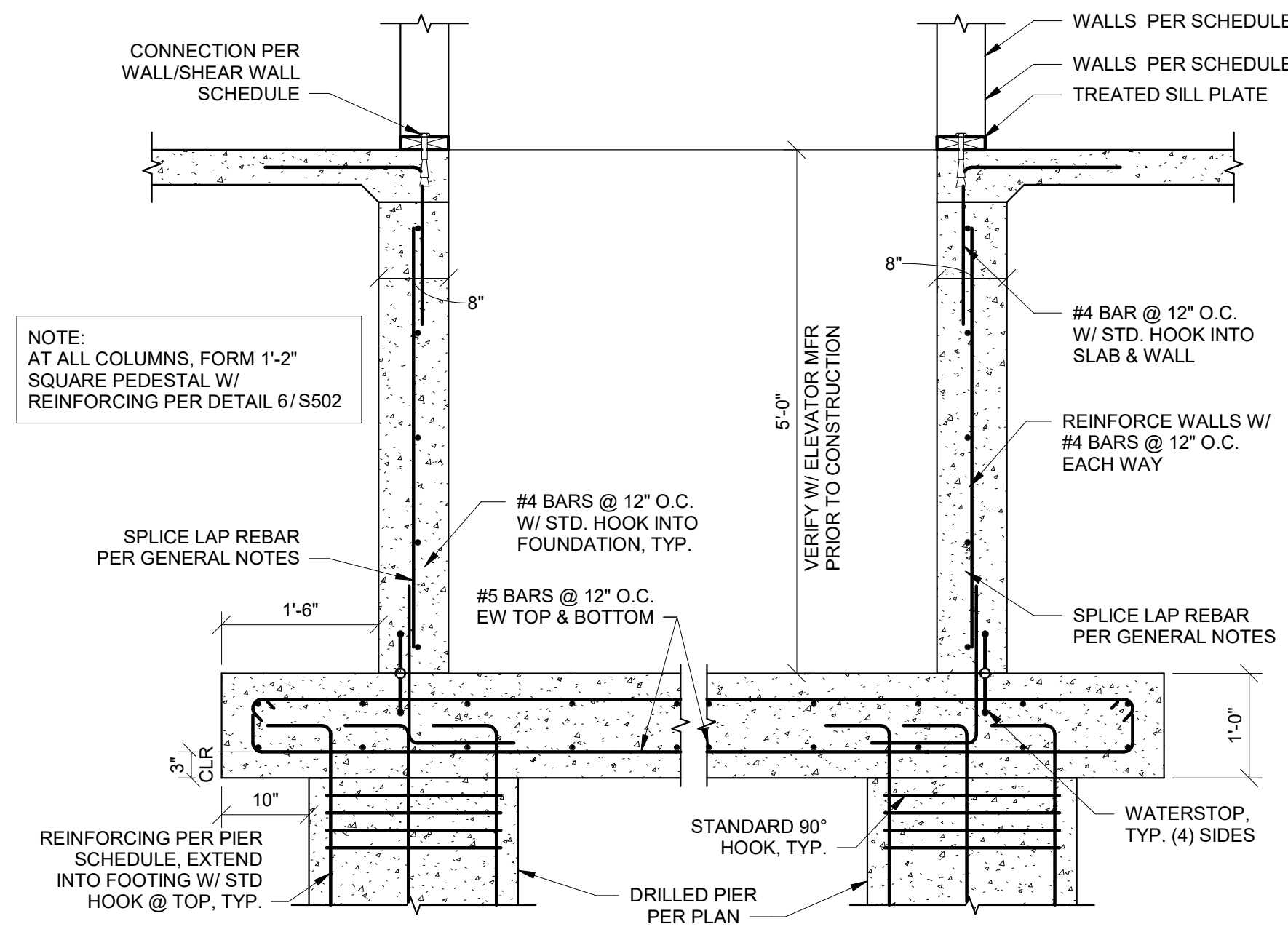
7 CORNER BAR DETAIL
S501 3/4" = 1'-0"



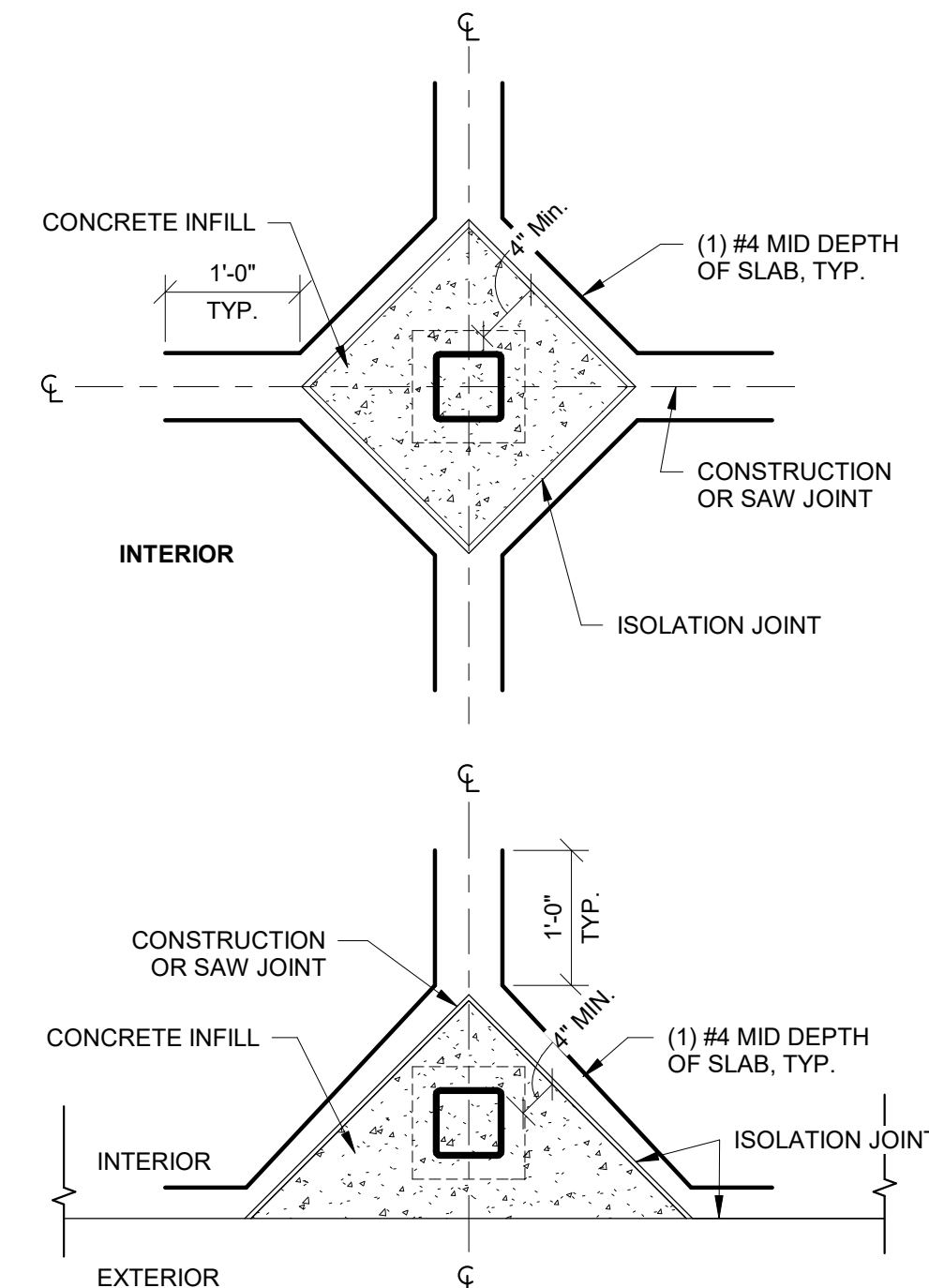
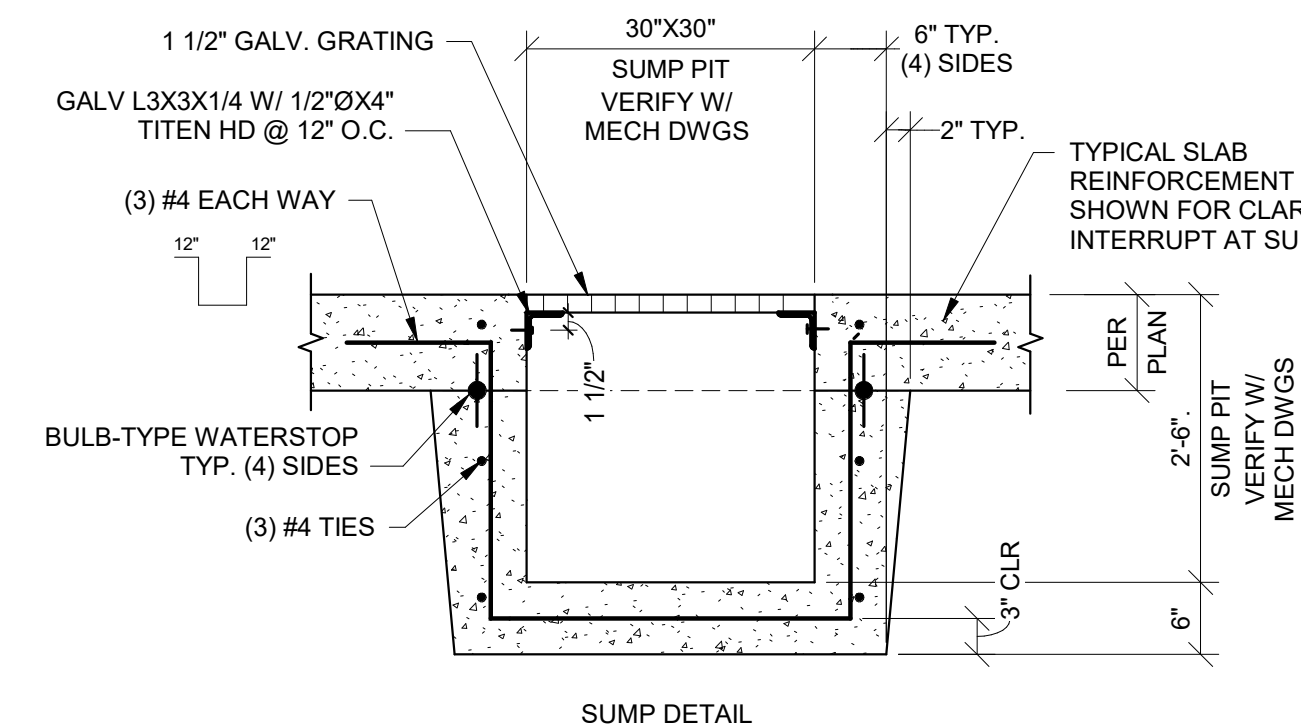
8 STAIR TO THICKENED SLAB
S501 1" = 1'-0"



9 SECTION AT SHEAR WALL HOLD DOWN
S501 1" = 1'-0"



10 ELEVATOR PIT DETAIL
S501 3/4" = 1'-0"



11 SLAB ON GRADE ISOLATION JOINT AT COLUMNS
S501 3/4" = 1'-0"

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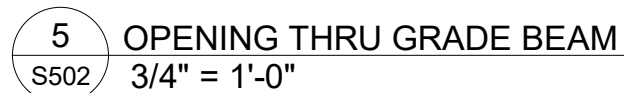
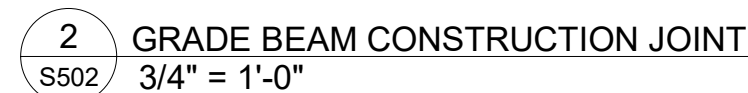
1810 NORTHEAST DOUGLAS ST
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SHEET TITLE
DETAILS

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S501





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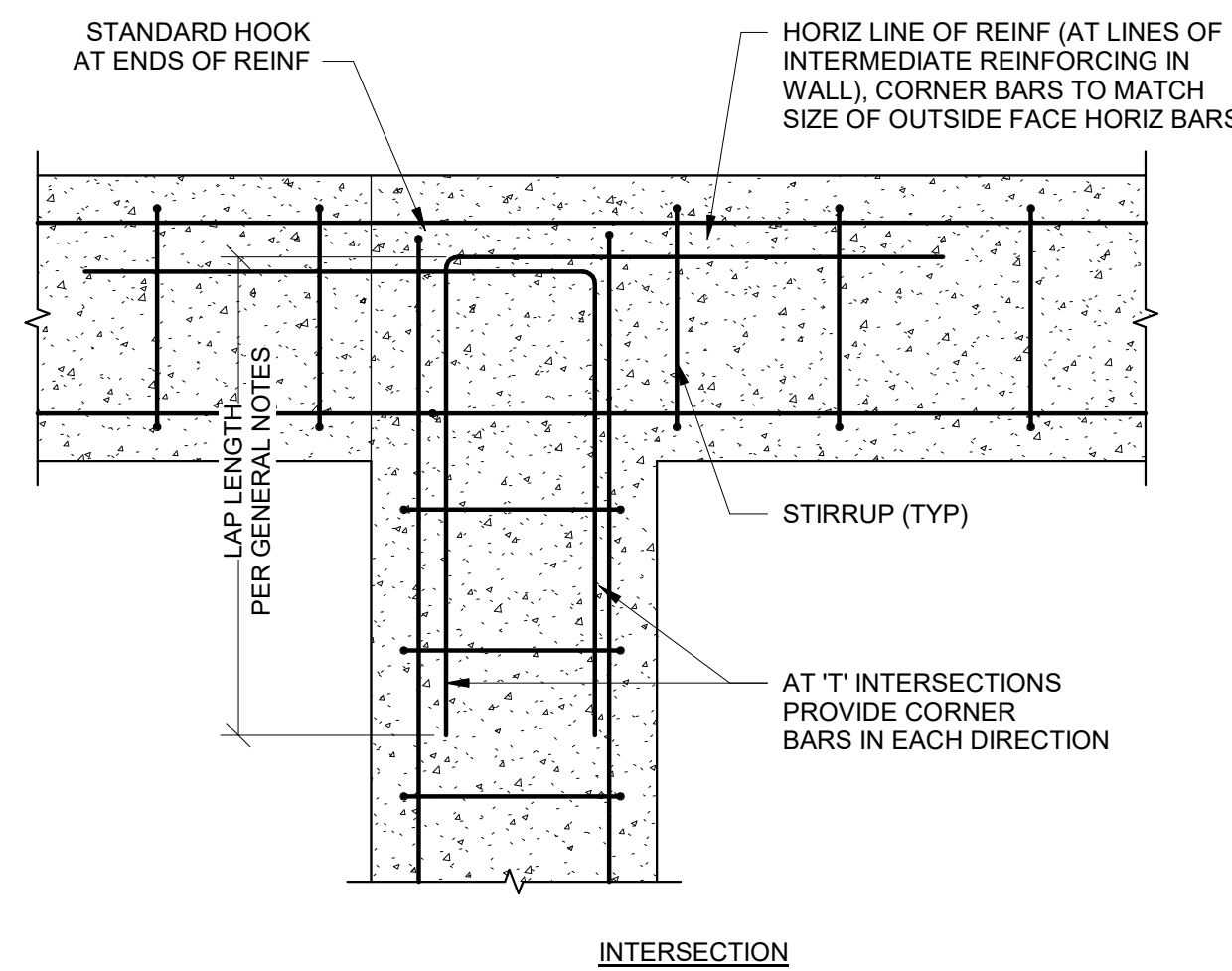
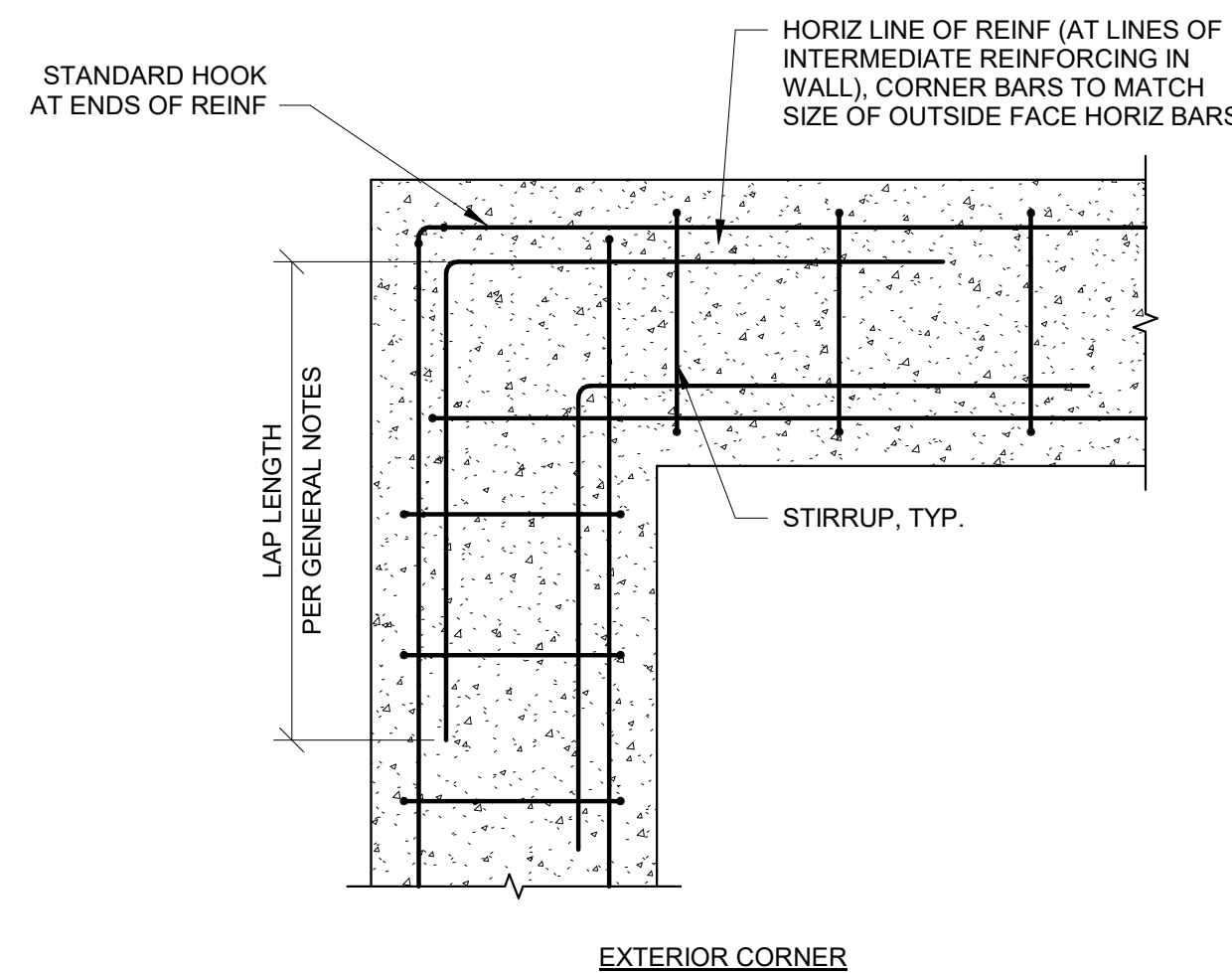
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TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST
LEE'S SUMMIT, MO 64064

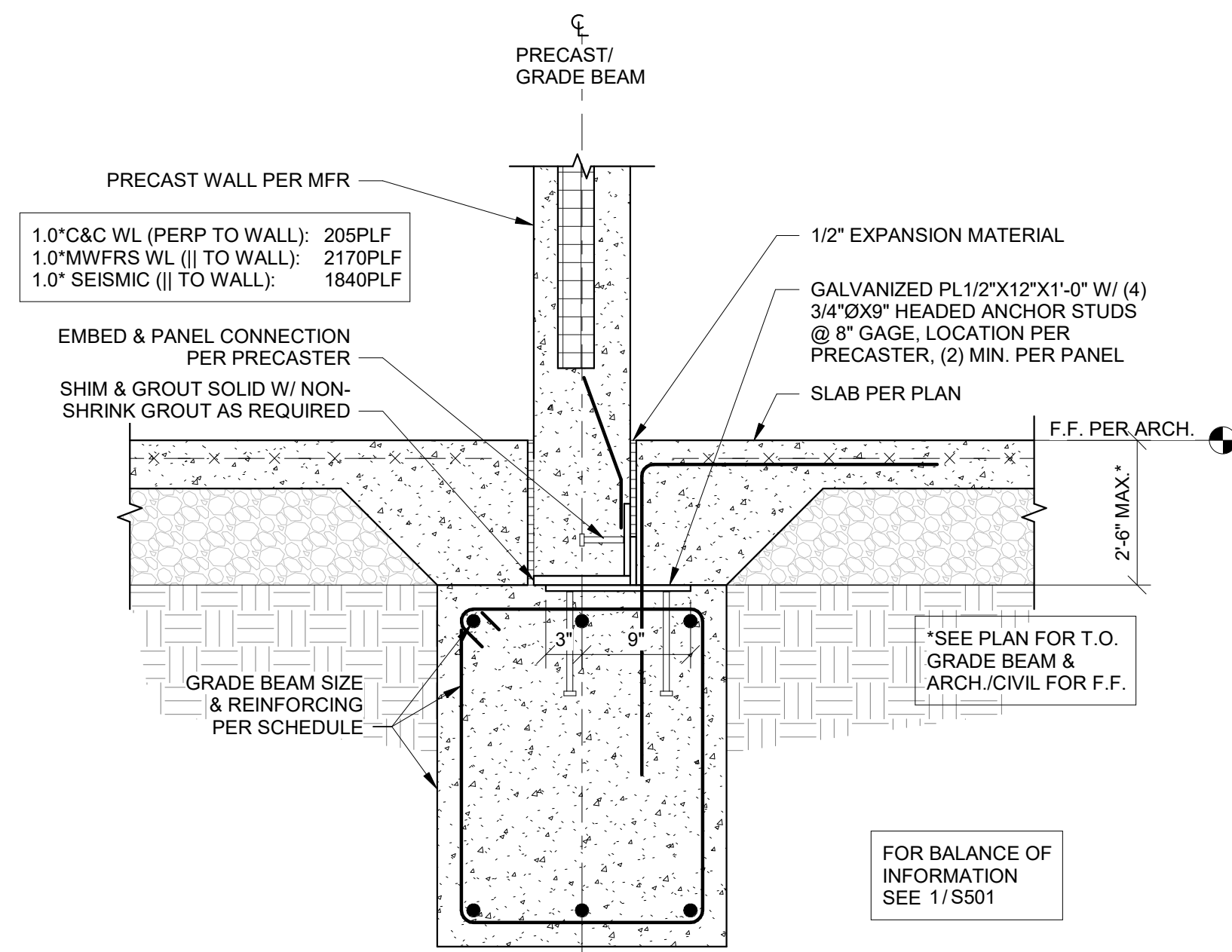
SHEET TITLE
DETAILS

PROJECT NUMBER: 2023000333
SHEET NUMBER:

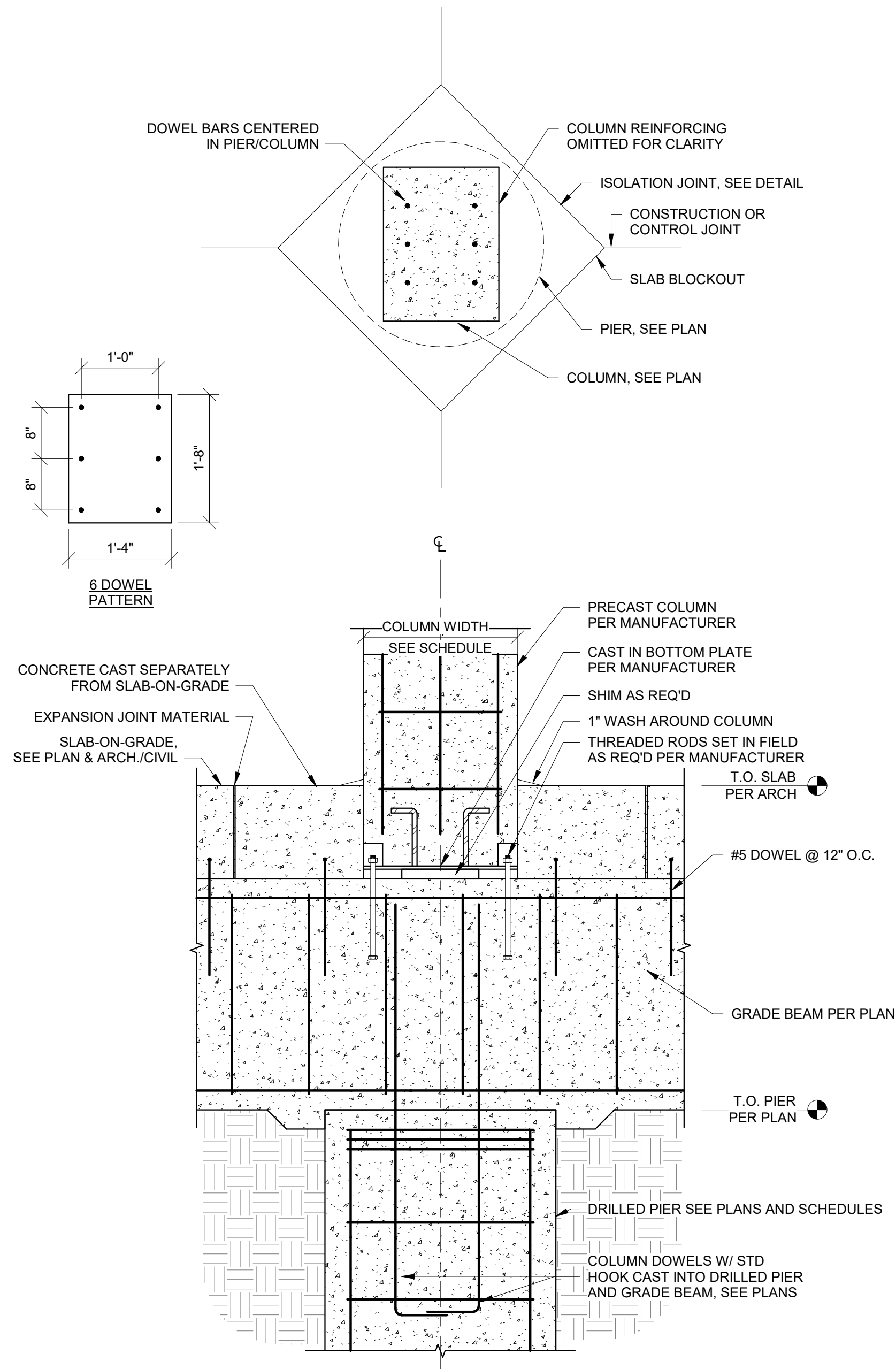
S503



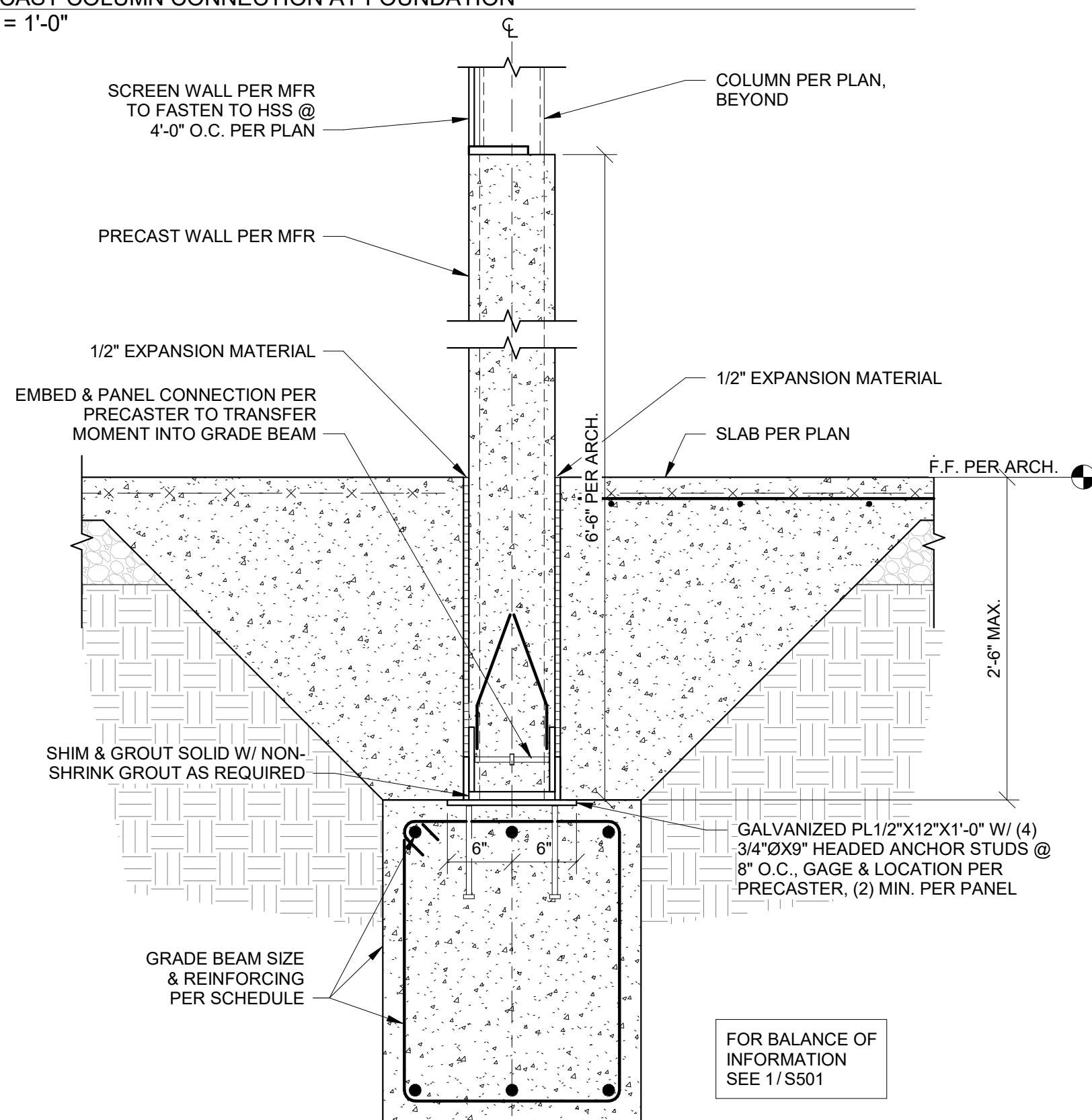
1 GRADE BEAM CORNER & INTERSECTION
S503 3/4" = 1'-0"



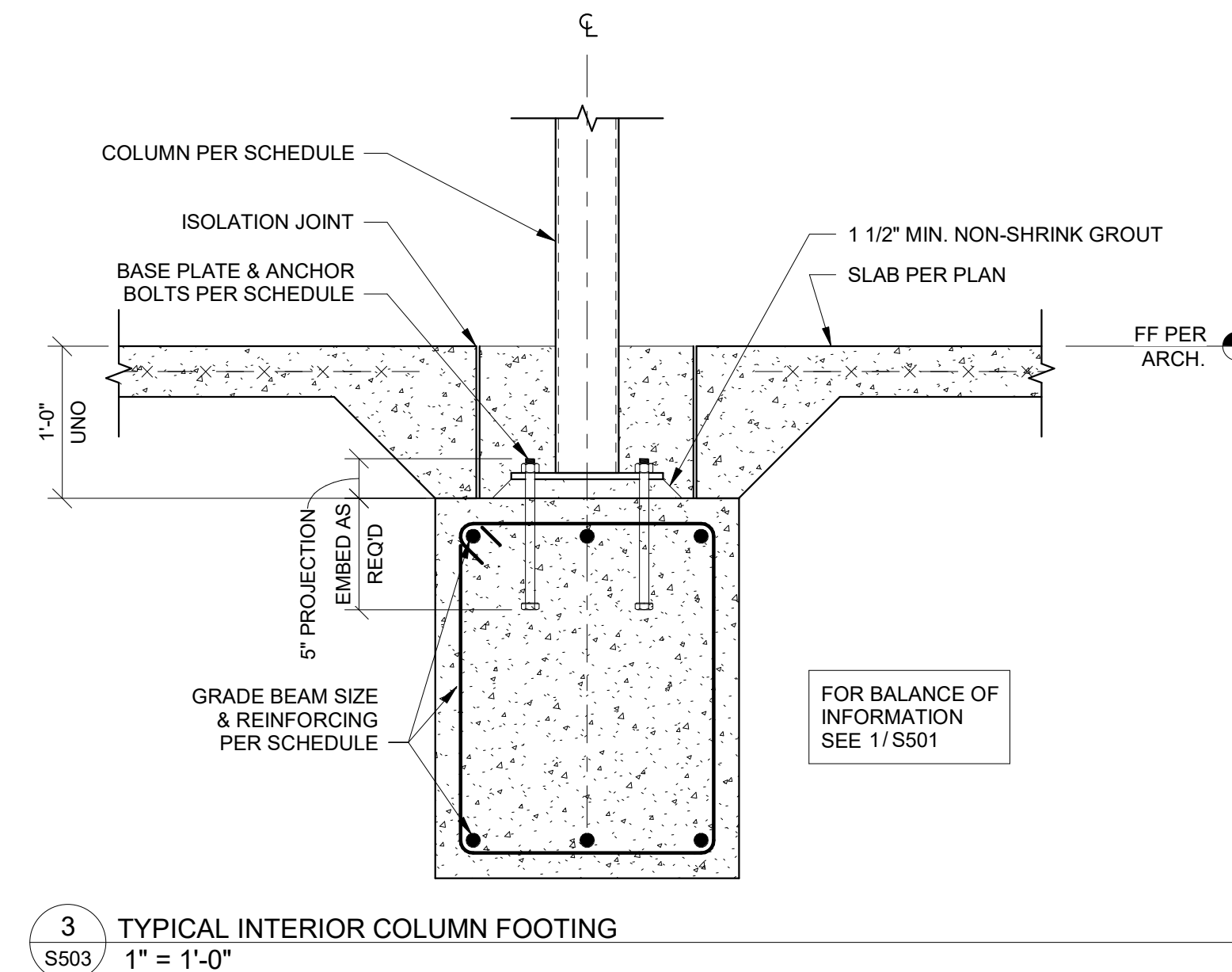
5 FOUNDATION SECTION AT PRECAST WALL
S503 1" = 1'-0"



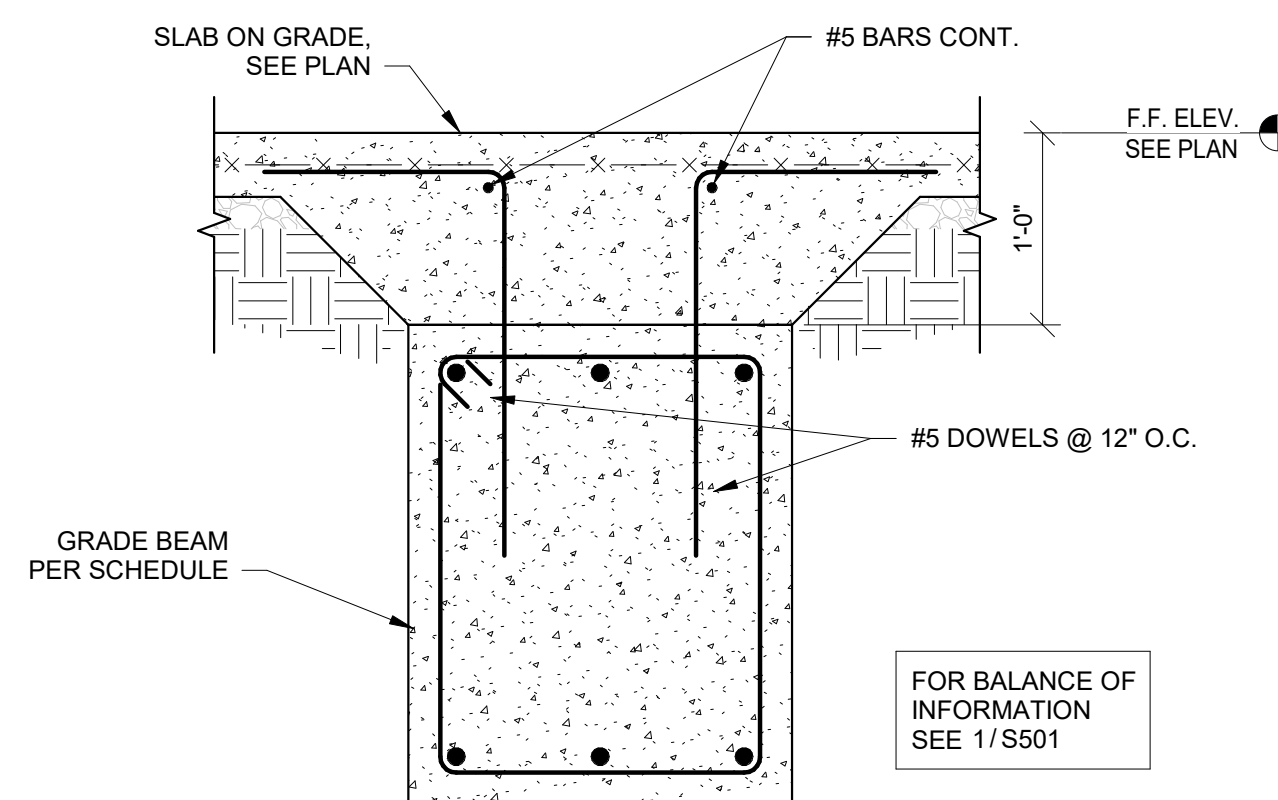
2 PRECAST COLUMN CONNECTION AT FOUNDATION
S503 3/4" = 1'-0"



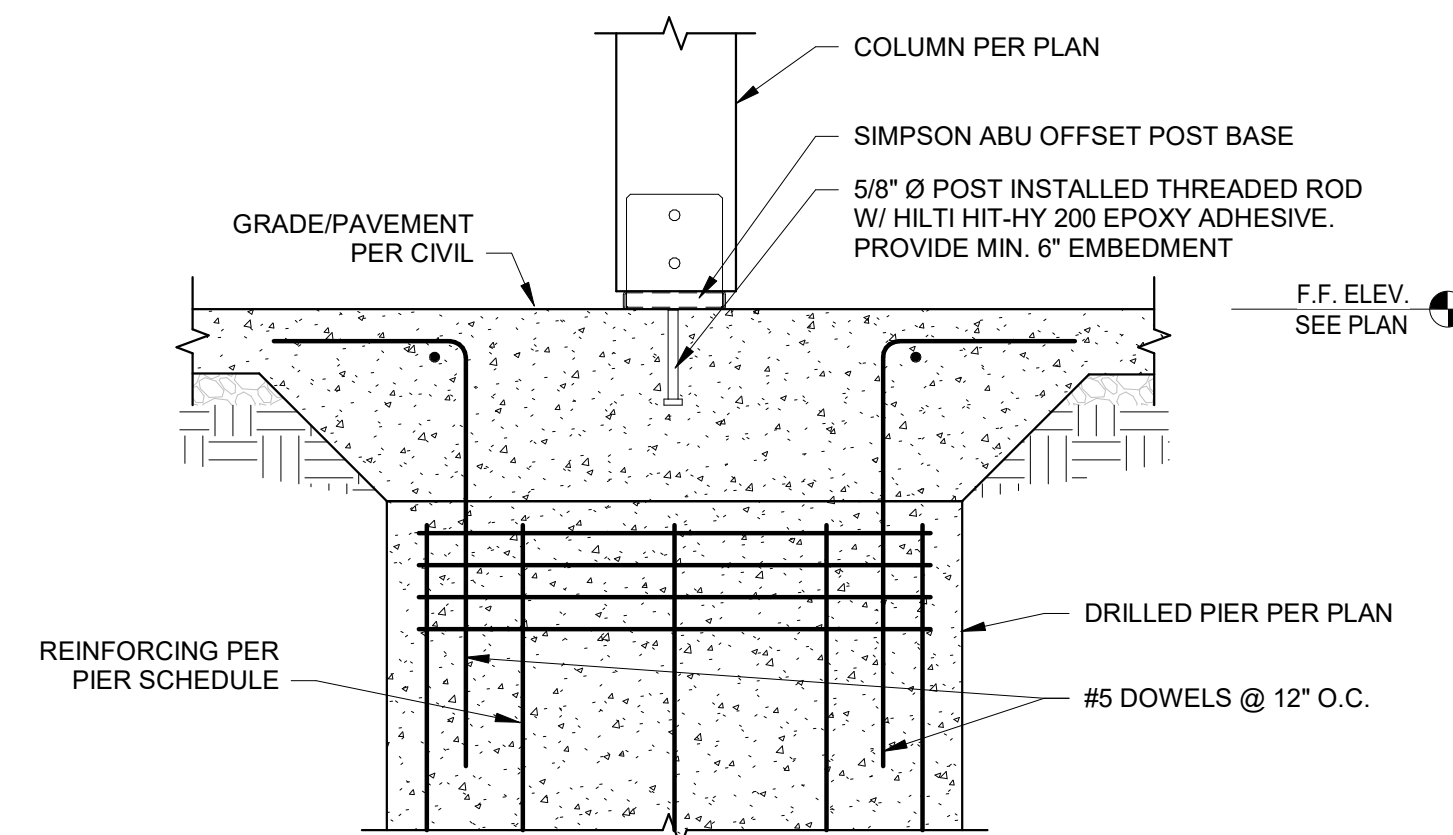
6 FOUNDATION SECTION AT PRECAST STEM WALL
S503 1" = 1'-0"



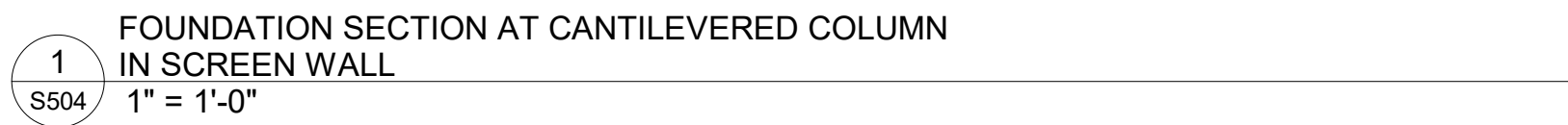
3 TYPICAL INTERIOR COLUMN FOOTING
S503 1" = 1'-0"



4 SECTION AT GRADE BEAM
S503 1" = 1'-0"

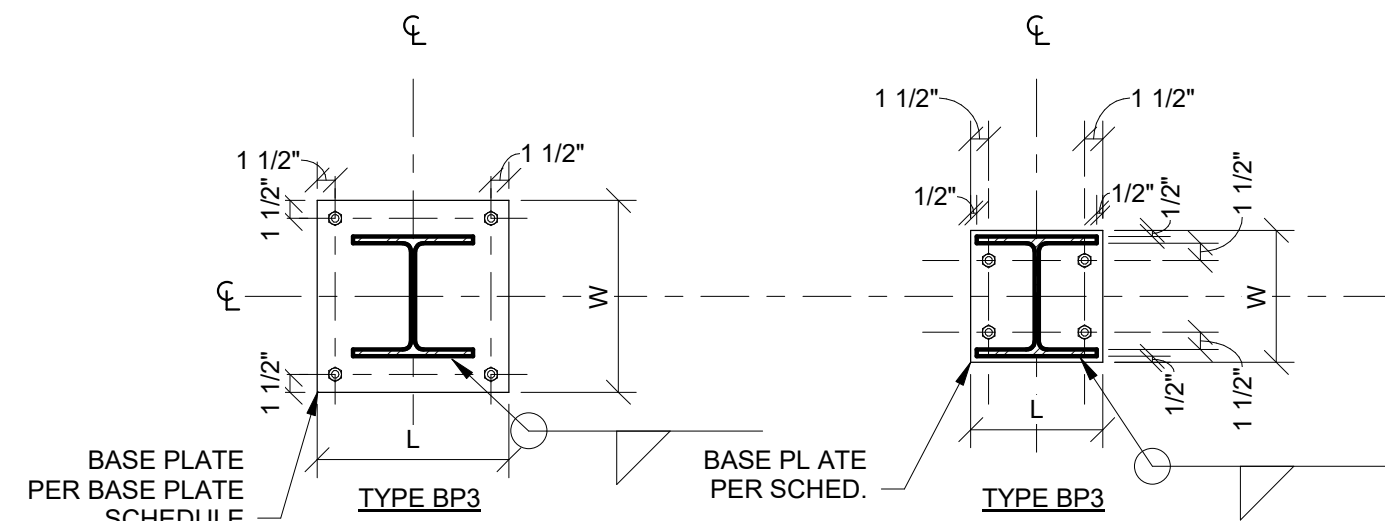
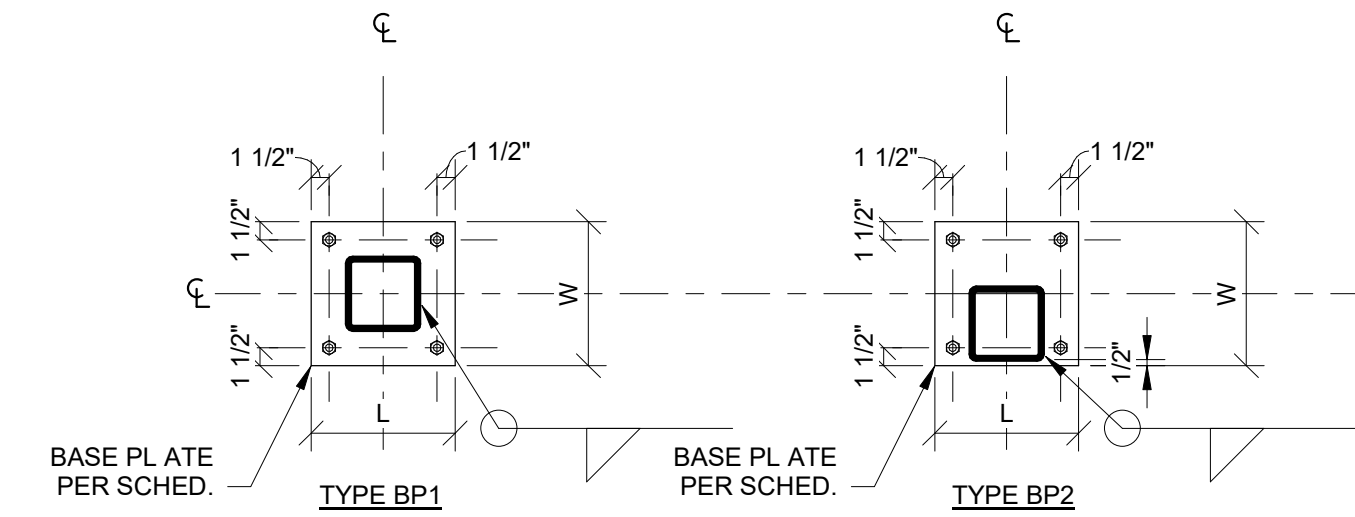


7 WOOD CANOPY COLUMN BASE CONNECTION
S503 1" = 1'-0"



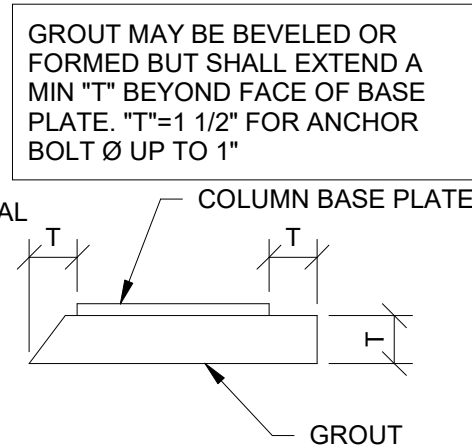
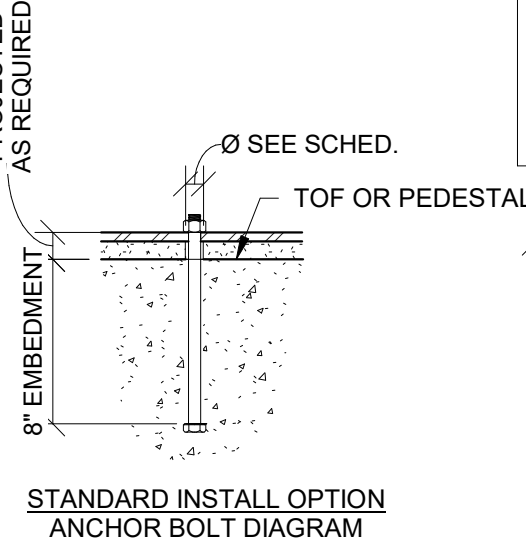
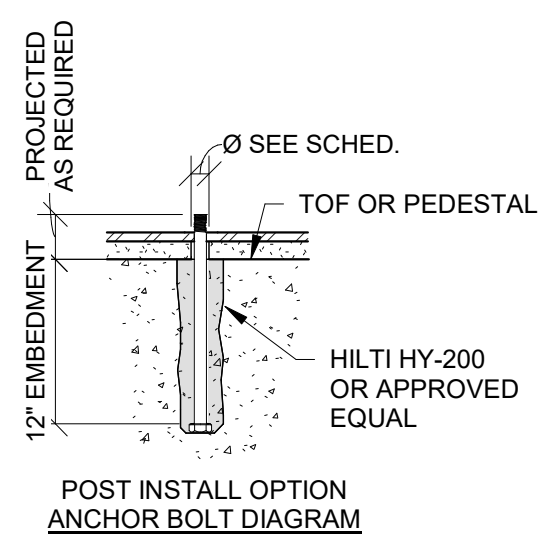
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S504



BASEPLATE SCHEDULE		
Column Size	Baseplate	Anchor Diameter
HSS4X4	PL 1/2"x10"x0'-10"	(4) 5/8"Ø
HSS5X5	PL 1/2"x11"x0'-11"	(4) 5/8"Ø
HSS6X6	PL 3/4"x12"x1'-0"	(4) 5/8"Ø
HSS8X8	PL 3/4"x14"x1'-2"	(4) 5/8"Ø

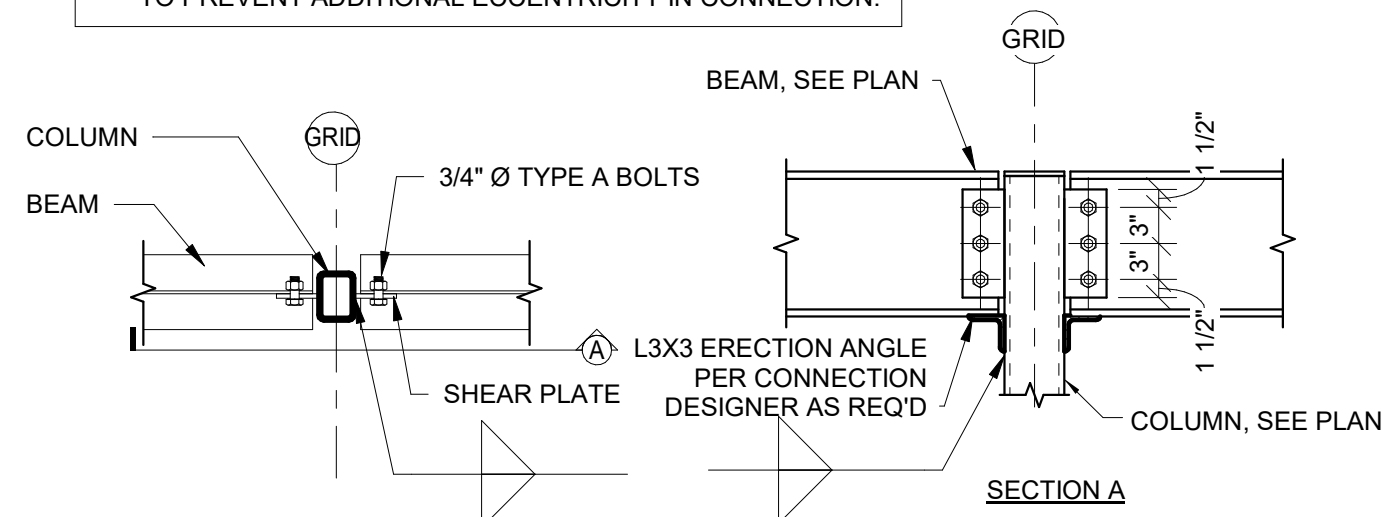
NOTE: BP1 OR BP2 MAY BE USED INTERCHANGEABLY. BP2 IS INTENDED TO BE USED AT ALL EXTERIOR COLUMNS TO PREVENT INTERRUPTION TO THE BRICK RELIEF.



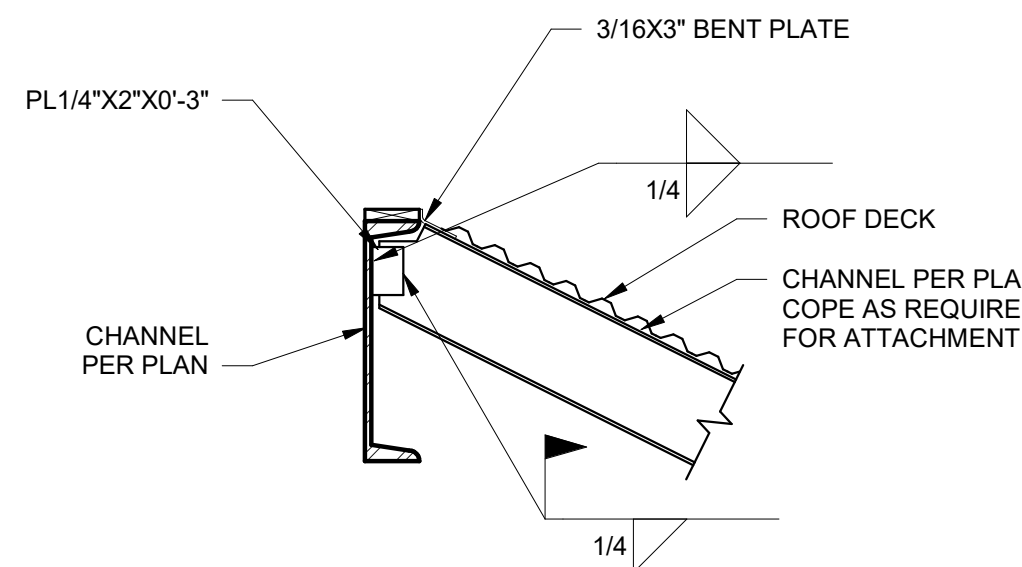
- NOTES:
- SEE COLUMN SCHEDULE FOR BASE PLATE W/L&THICKNESS
 - SIZE WELDS PER AISC MIN FILLET REQUIREMENTS
 - ANCHOR BOLTS WITH FORGED HEADS MEETING THE REQUIREMENTS OF ASTM A307 MAY BE SUBSTITUTED FOR 3/4"Ø ANCHOR BOLTS

1 COLUMN BASE PLATE
S505 3/4" = 1'-0"

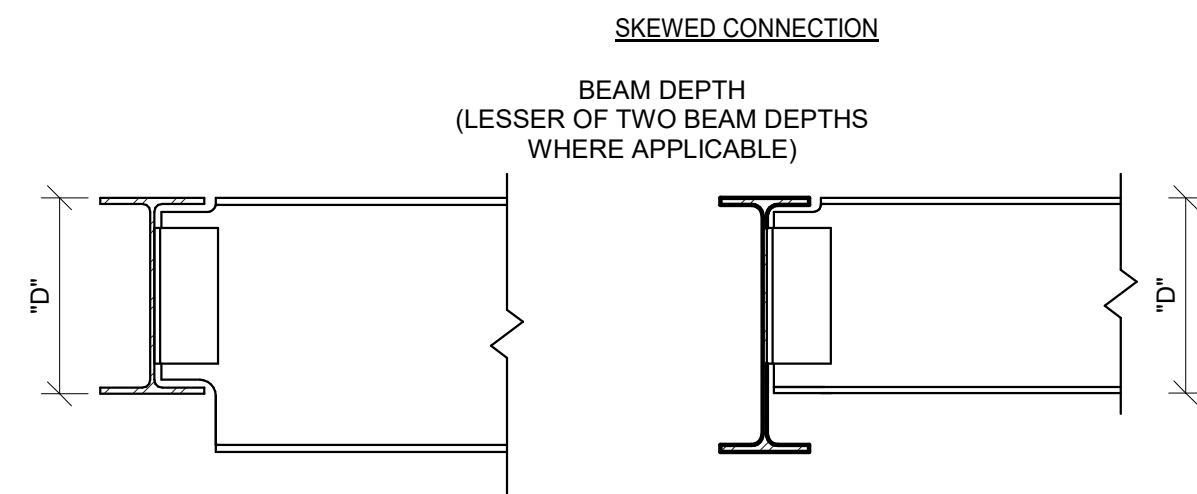
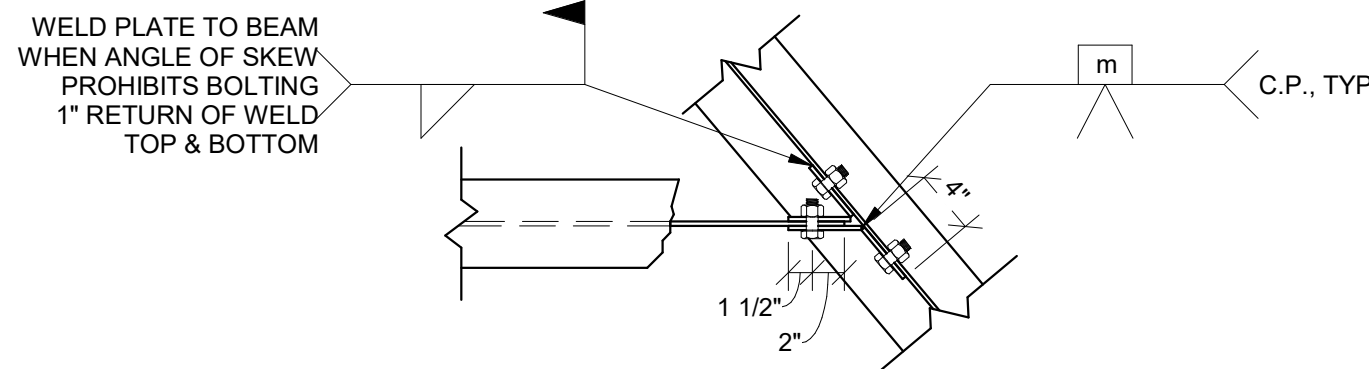
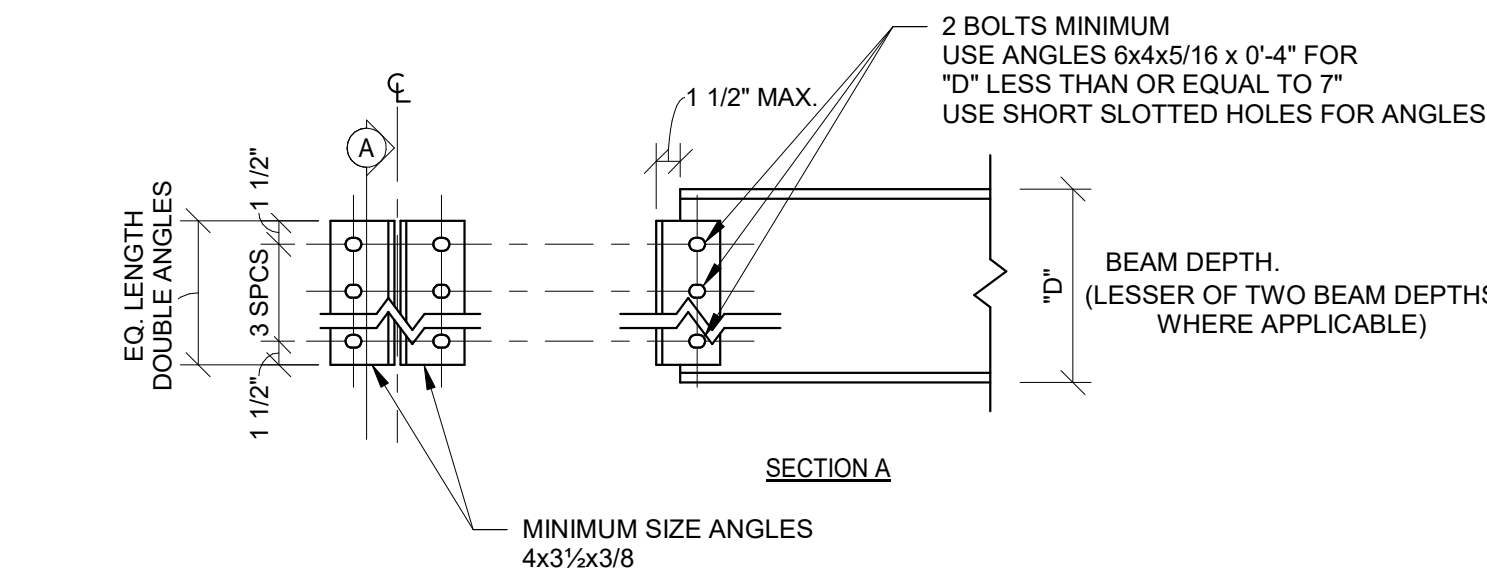
- NOTES:
- SEE PLAN OR GENERAL NOTES FOR CONNECTION FORCES
 - ALL CONNECTIONS TO BE DESIGNED AS "CONVENTIONAL" TO PREVENT ADDITIONAL ECCENTRICITY IN CONNECTION.



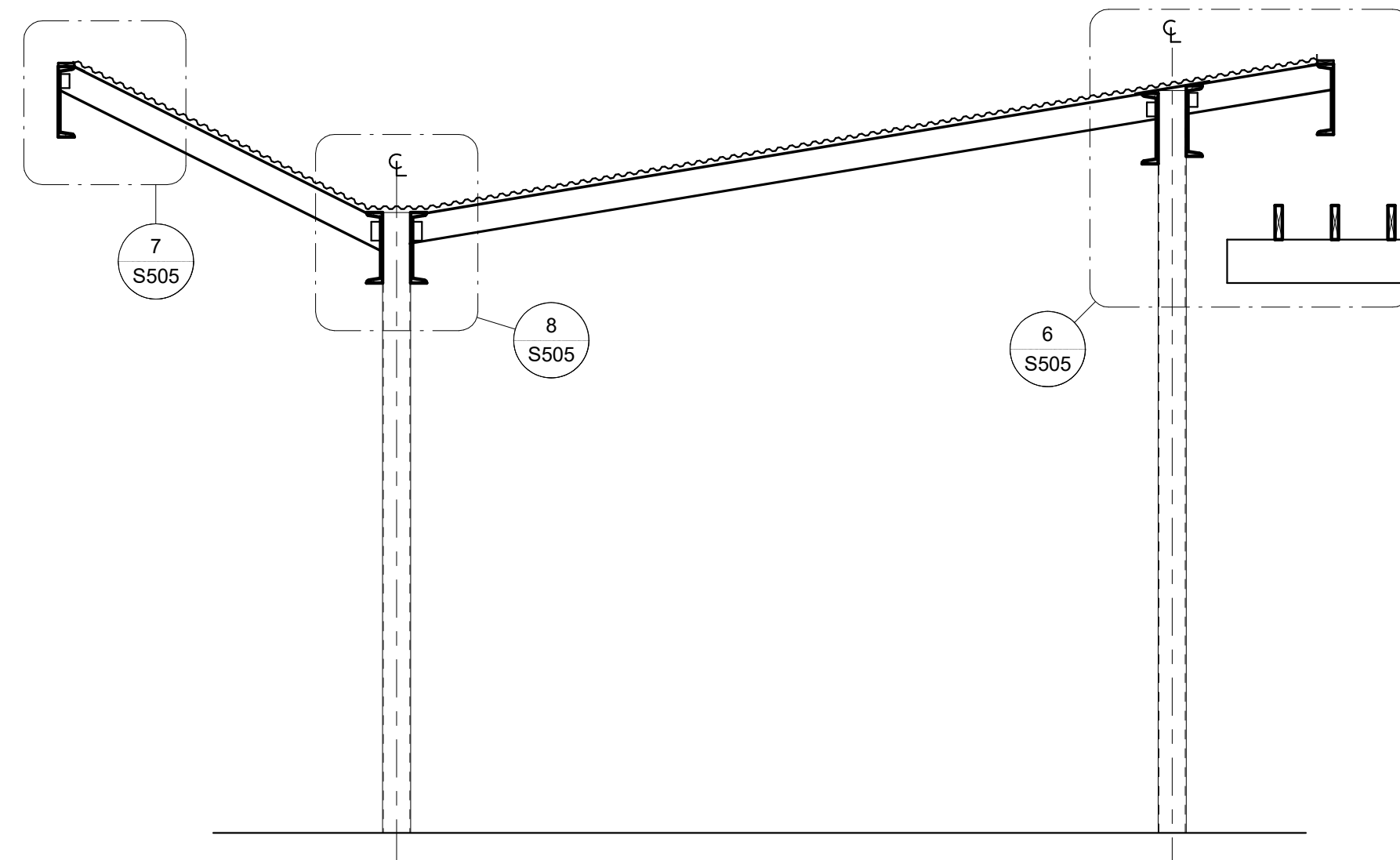
4 TYPICAL BEAM TO COLUMN SHEAR CONNECTION
S505 3/4" = 1'-0"



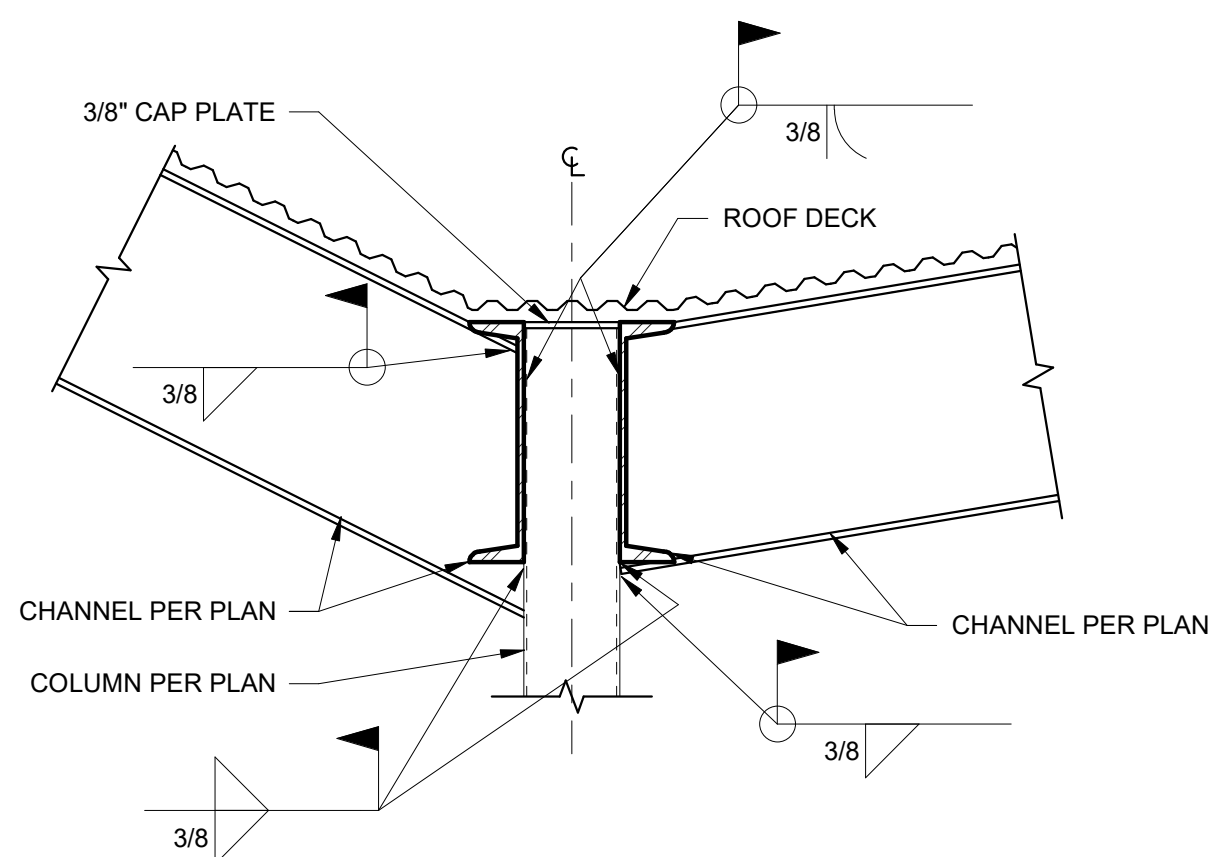
7 FRAMING AT CANOPY EDGE
S505 1" = 1'-0"



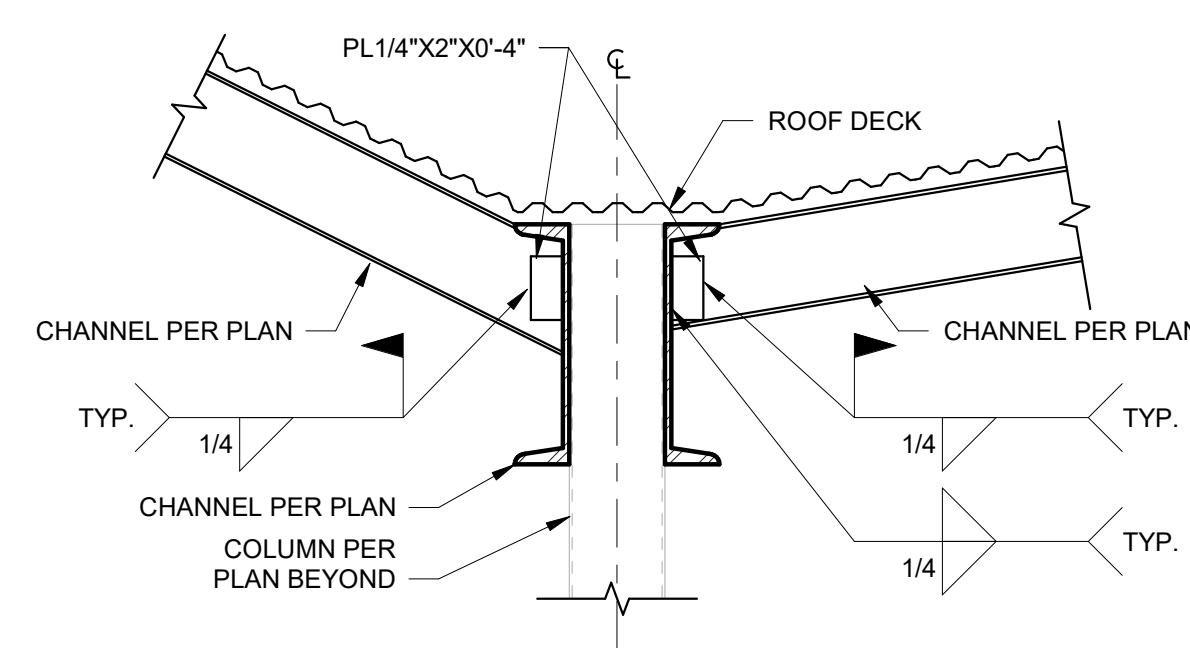
2 BEAM TO BEAM CONNECTION
S505 1" = 1'-0"



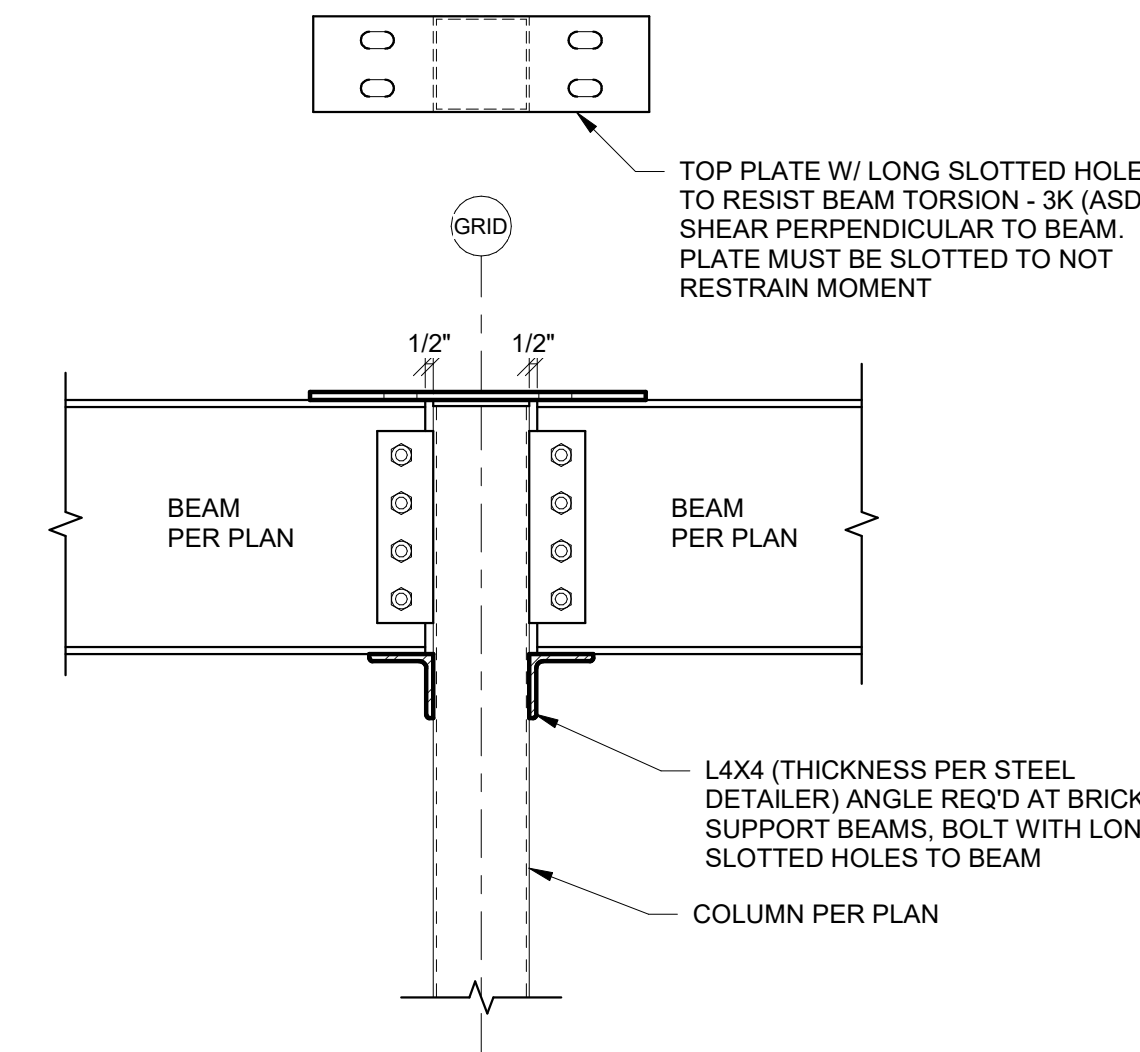
5 CANOPY SECTION
S505 3/8" = 1'-0"



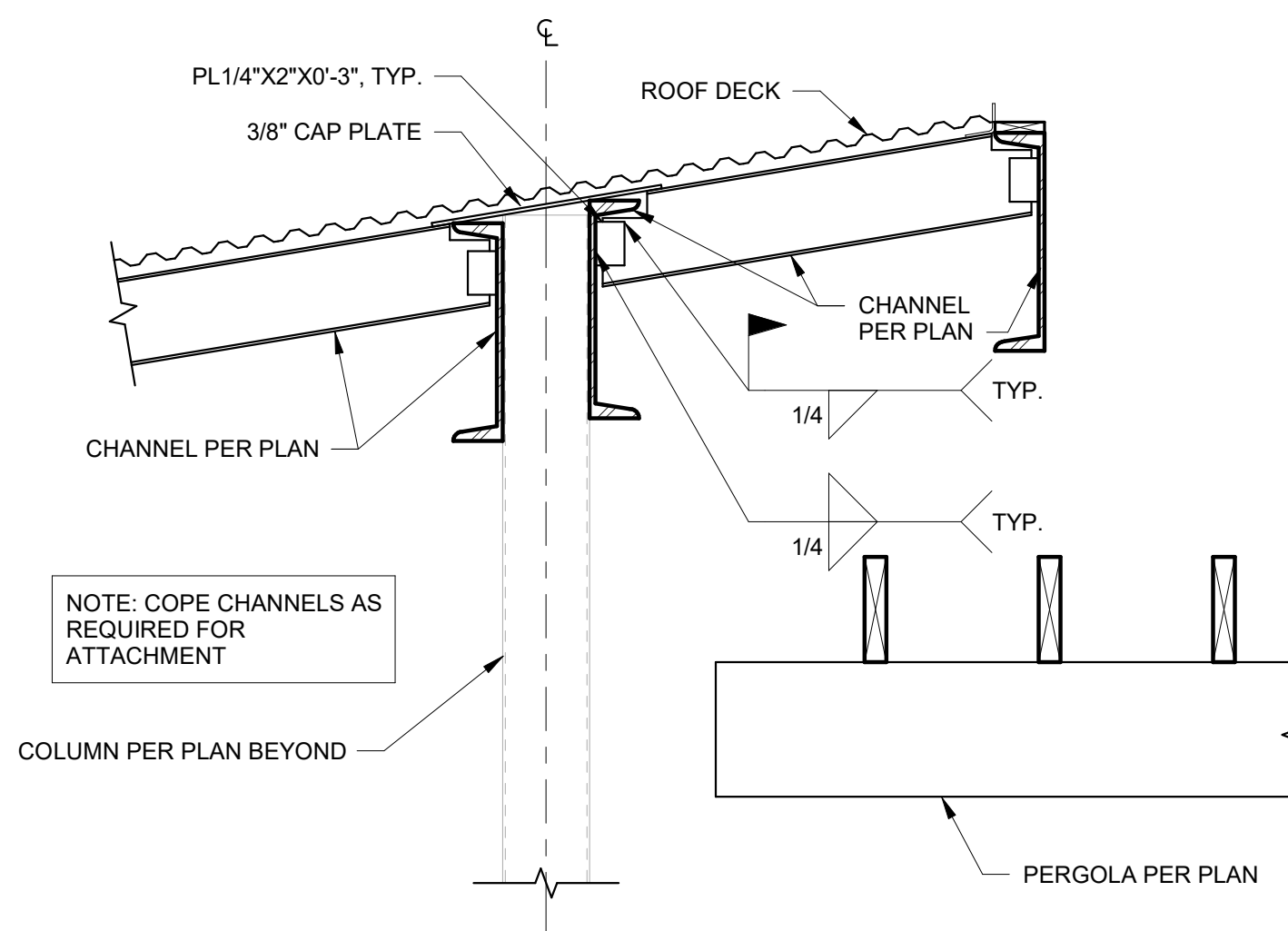
8 FRAMING AT CANOPY VALLEY AT COLUMN
S505 1" = 1'-0"



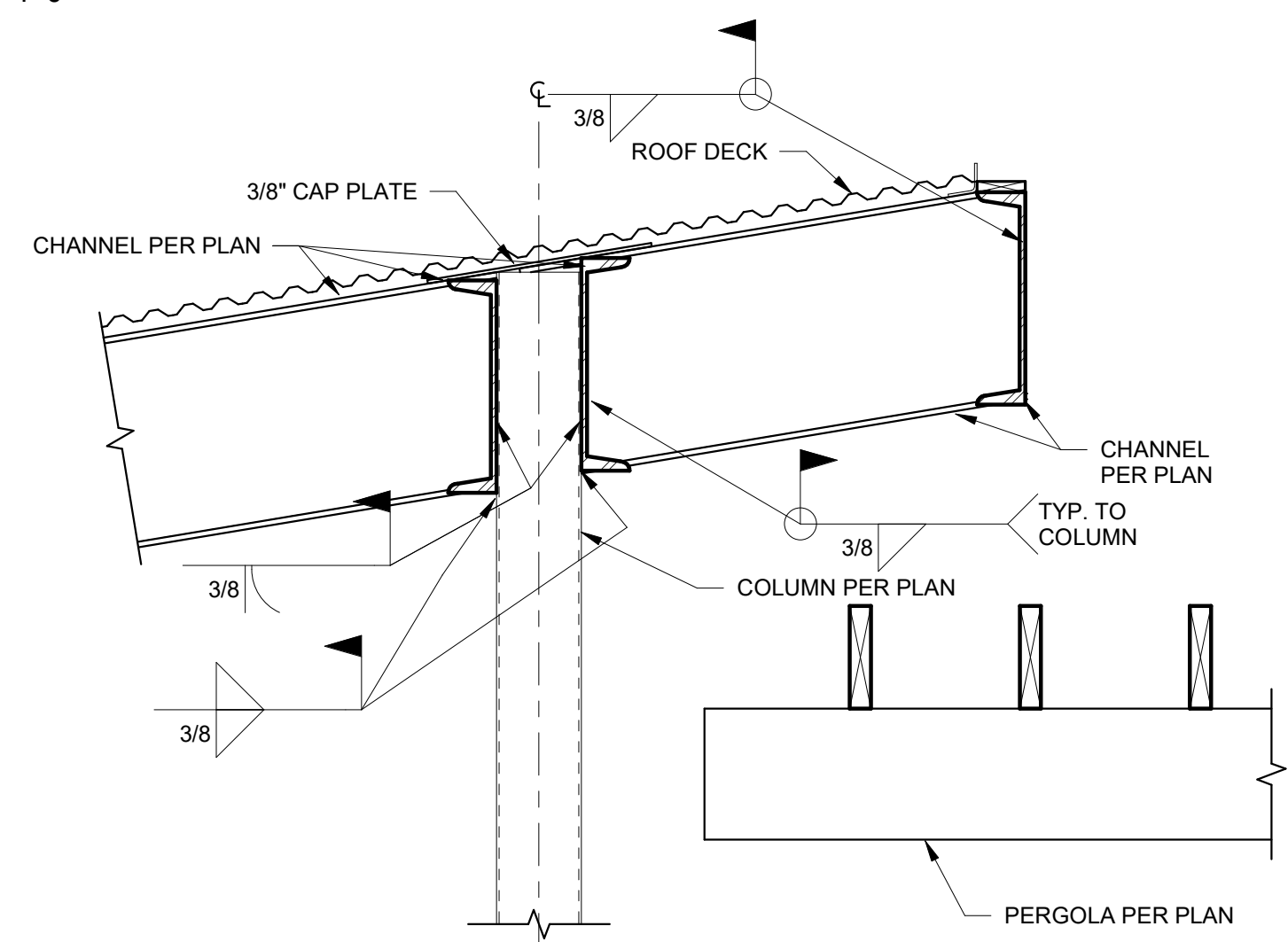
9 FRAMING AT CANOPY VALLEY
S505 1" = 1'-0"



3 BRICK SUPPORT BEAM CONNECTIONS (SHEAR & TORSION)
S505 1" = 1'-0"



6 FRAMING AT CANOPY EDGE W/ PERGOLA
S505 1" = 1'-0"



10 FRAMING AT CANOPY EDGE AT COLUMN
S505 1" = 1'-0"

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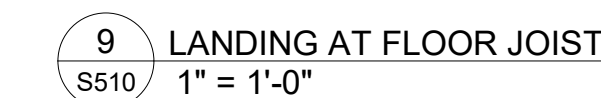
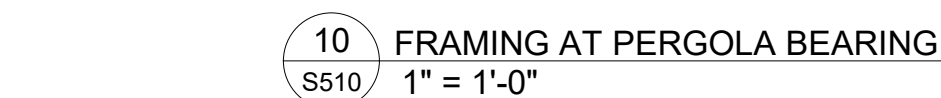
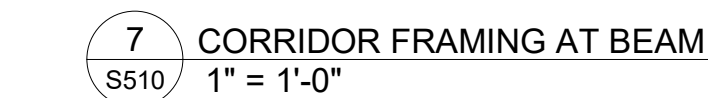
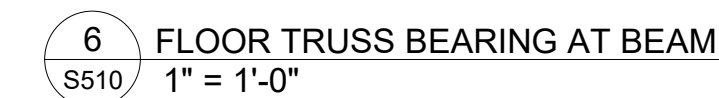
TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST
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SHEET TITLE
STEEL DETAILS

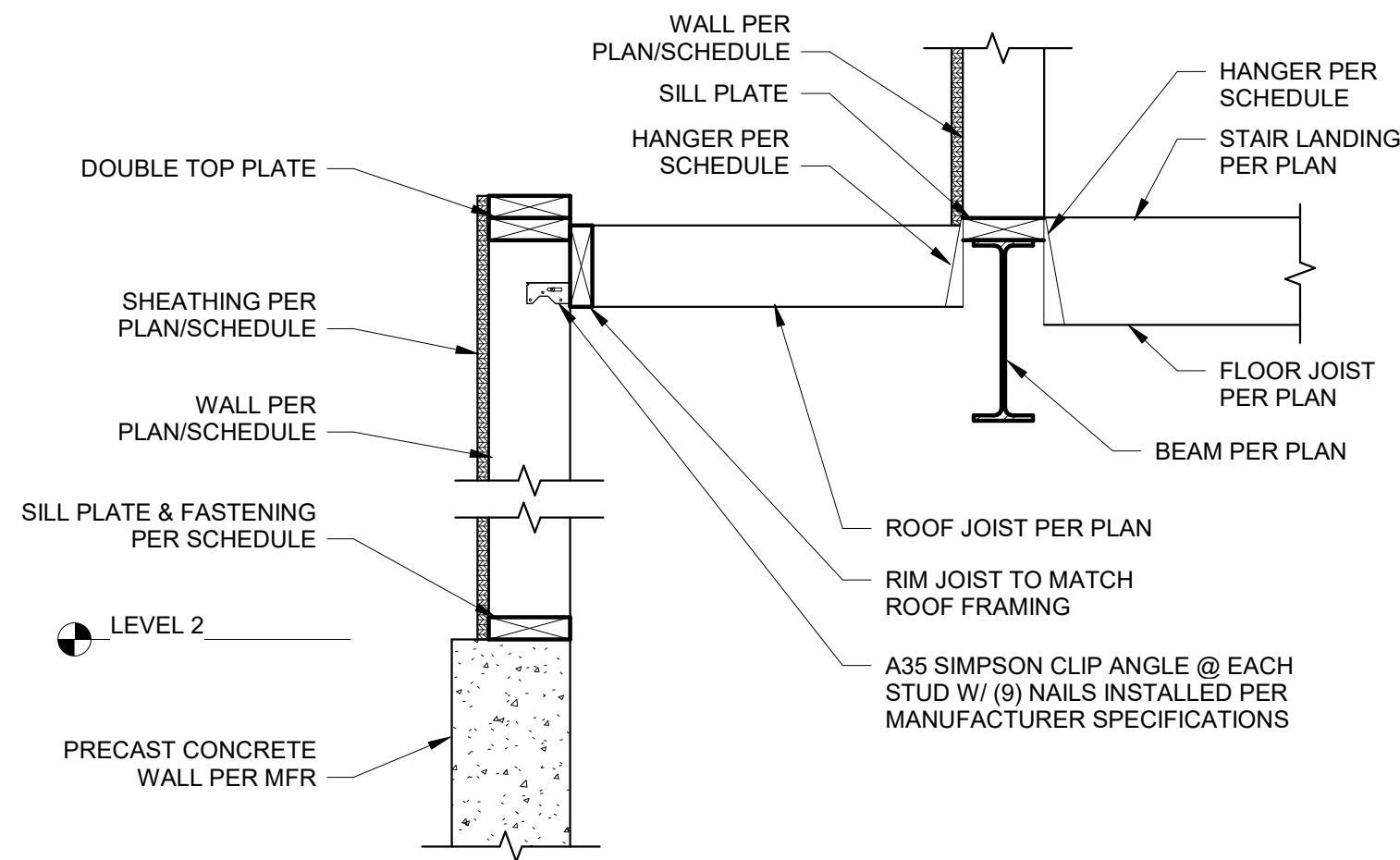
PROJECT NUMBER: 2023000333

SHEET NUMBER:

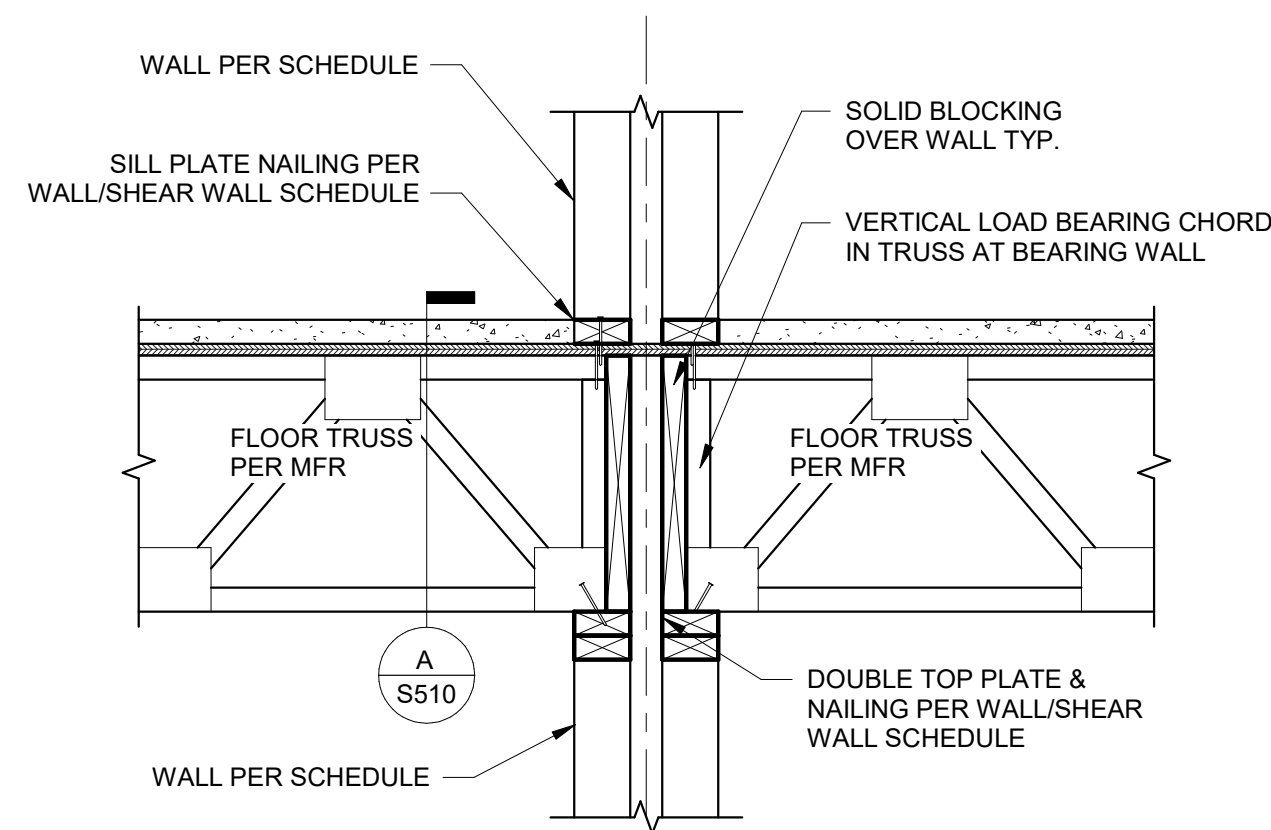
S505



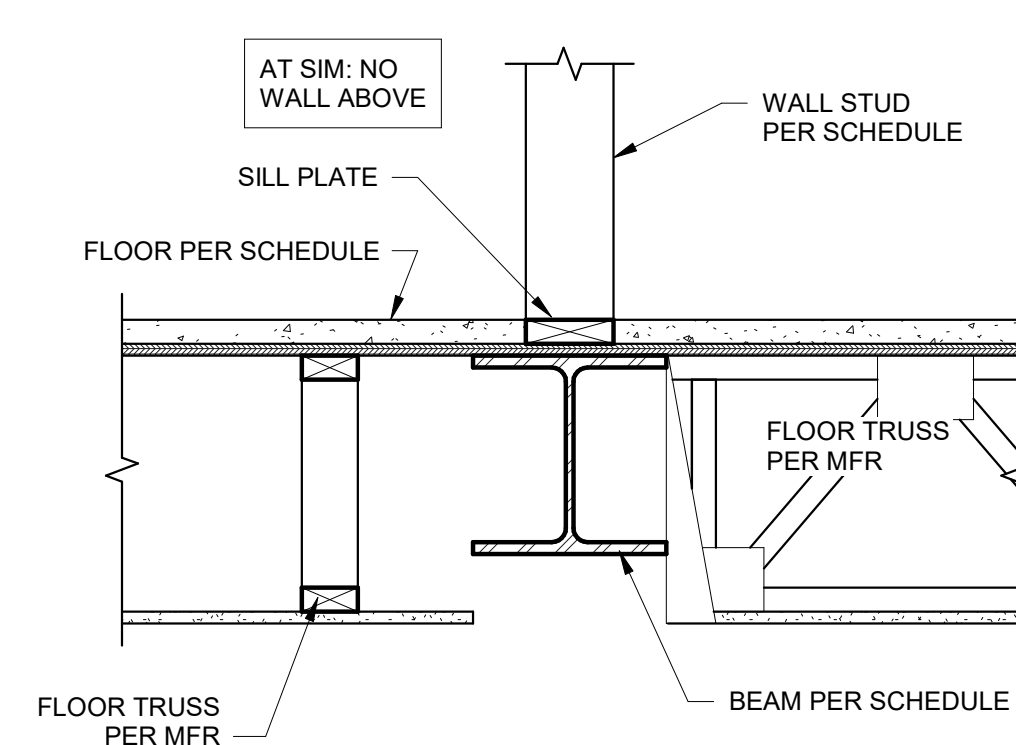
S510



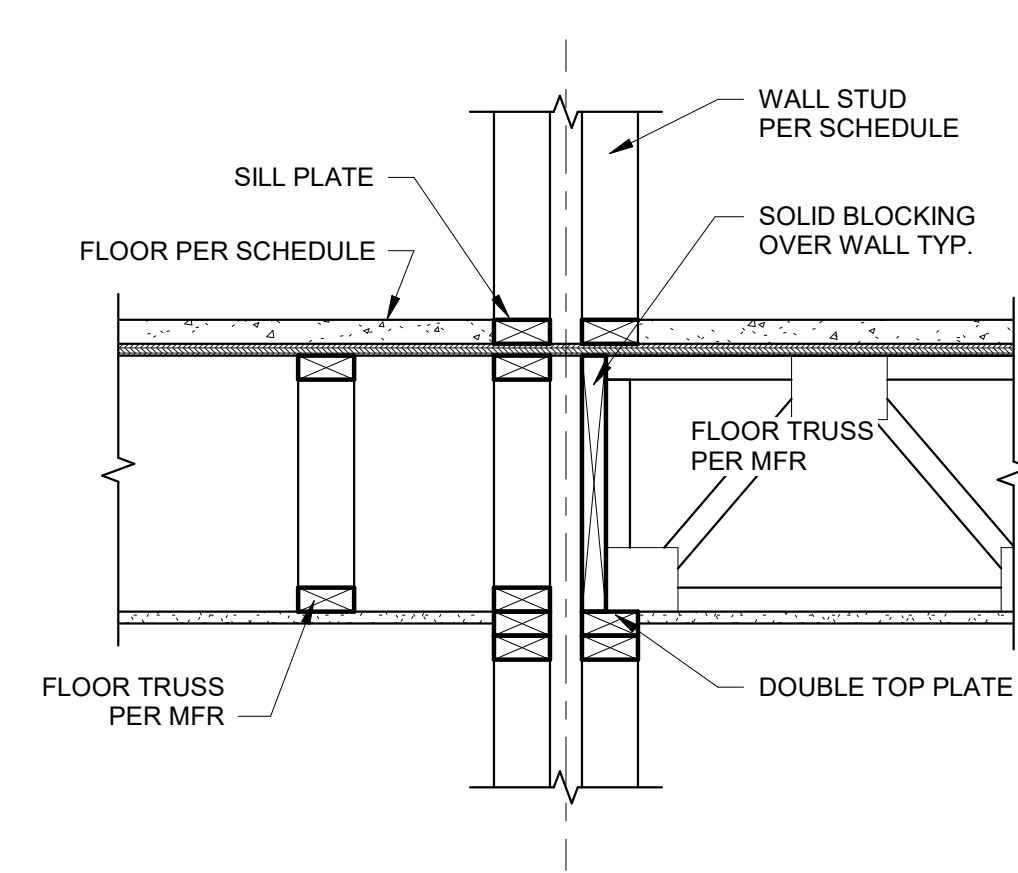
1 SECTION AT LOW ROOF AT STAIR
S511 1" = 1'-0"



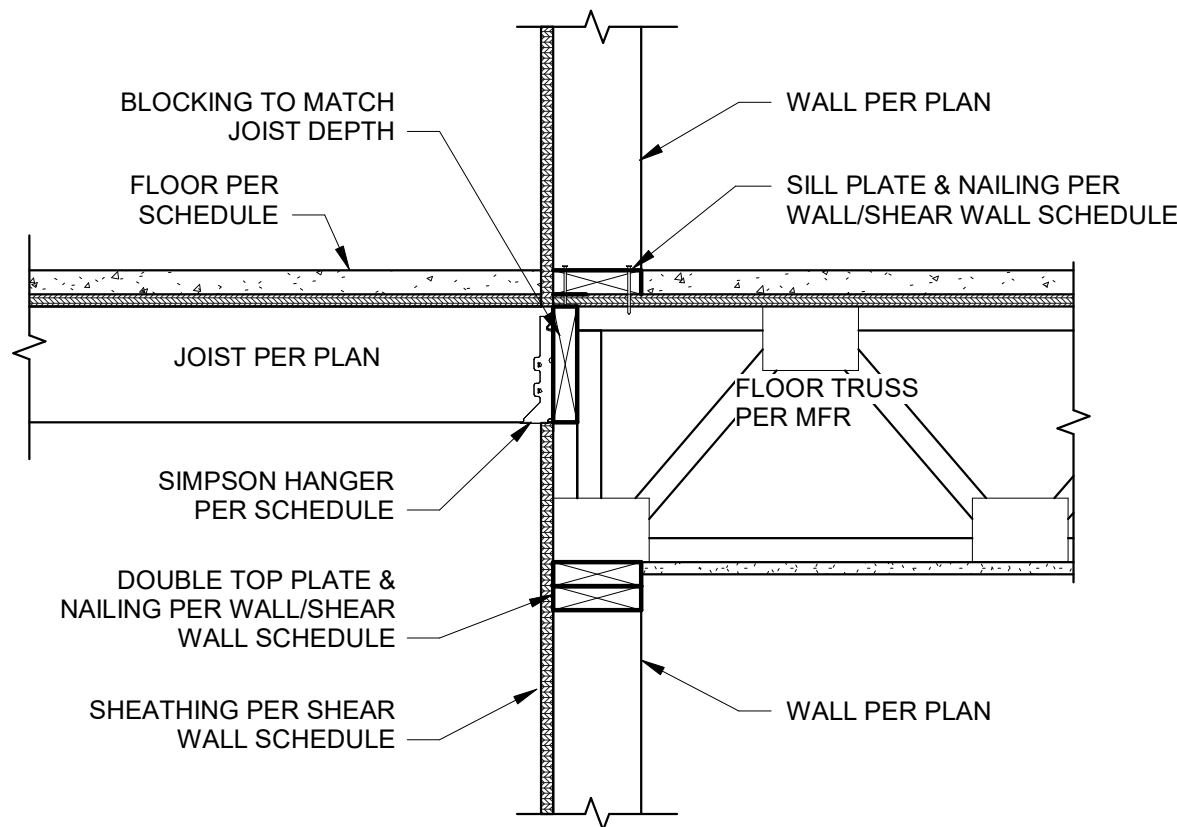
2 FRAMING AT INTERIOR WALL
S511 1" = 1'-0"



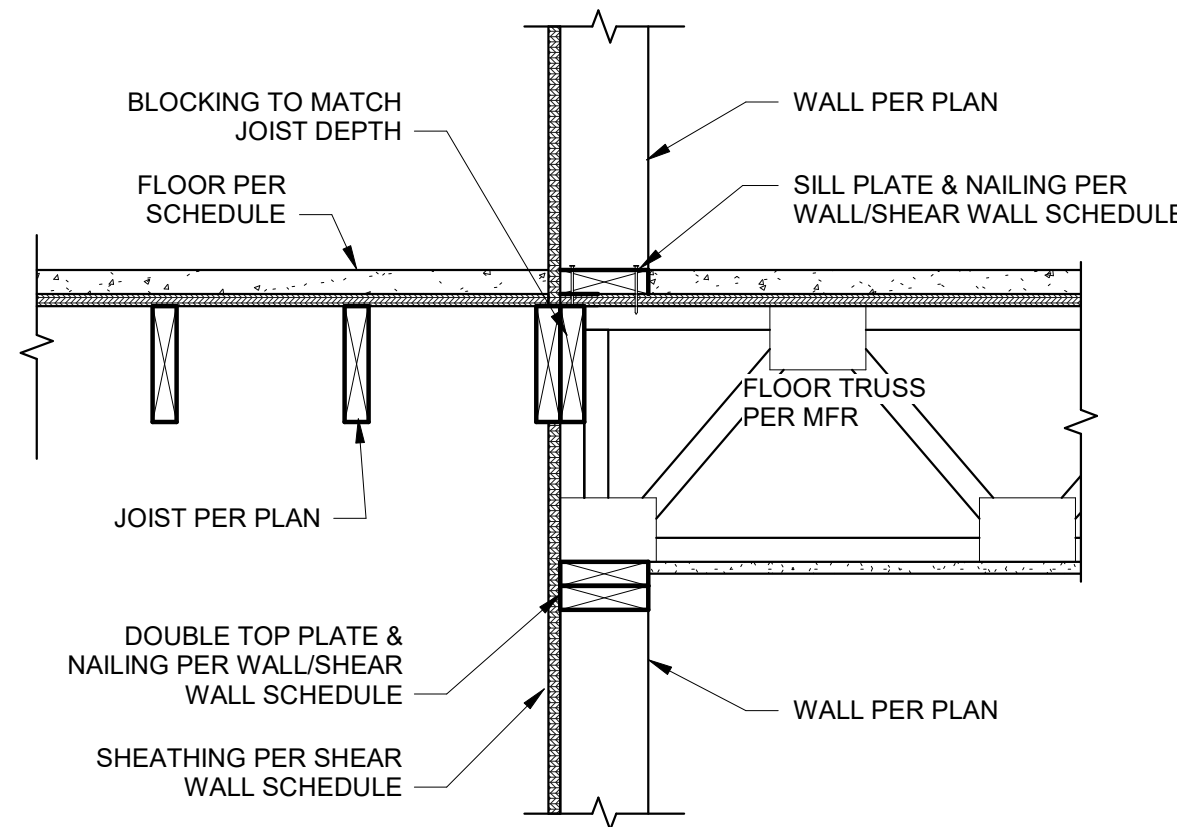
3 FLOOR TRUSS BEARING TRANSITION AT BEAM
S511 1" = 1'-0"



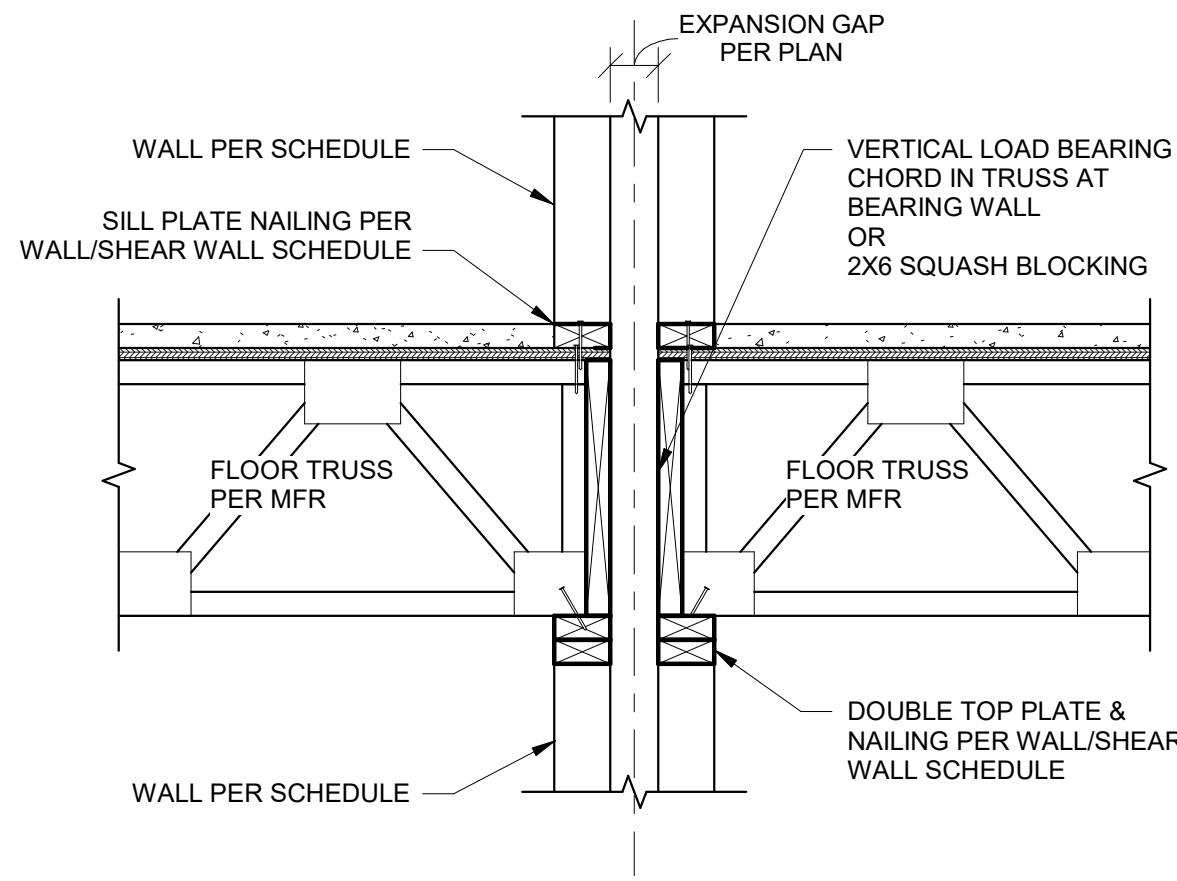
4 FLOOR TRUSS BEARING TRANSITION AT DEMISING WALL
S511 1" = 1'-0"



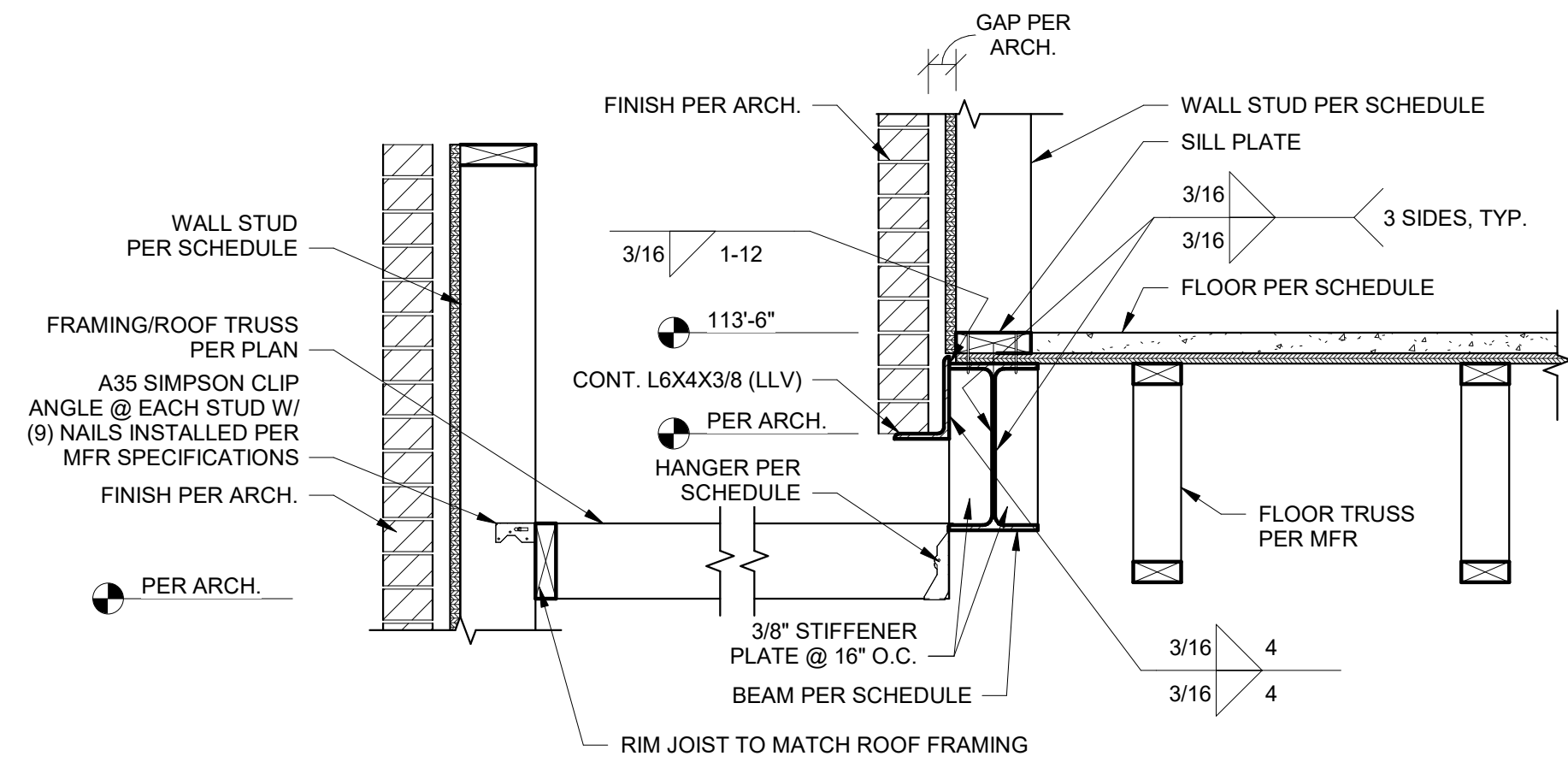
5 FRAMING AT CORRIDOR
S511 1" = 1'-0"



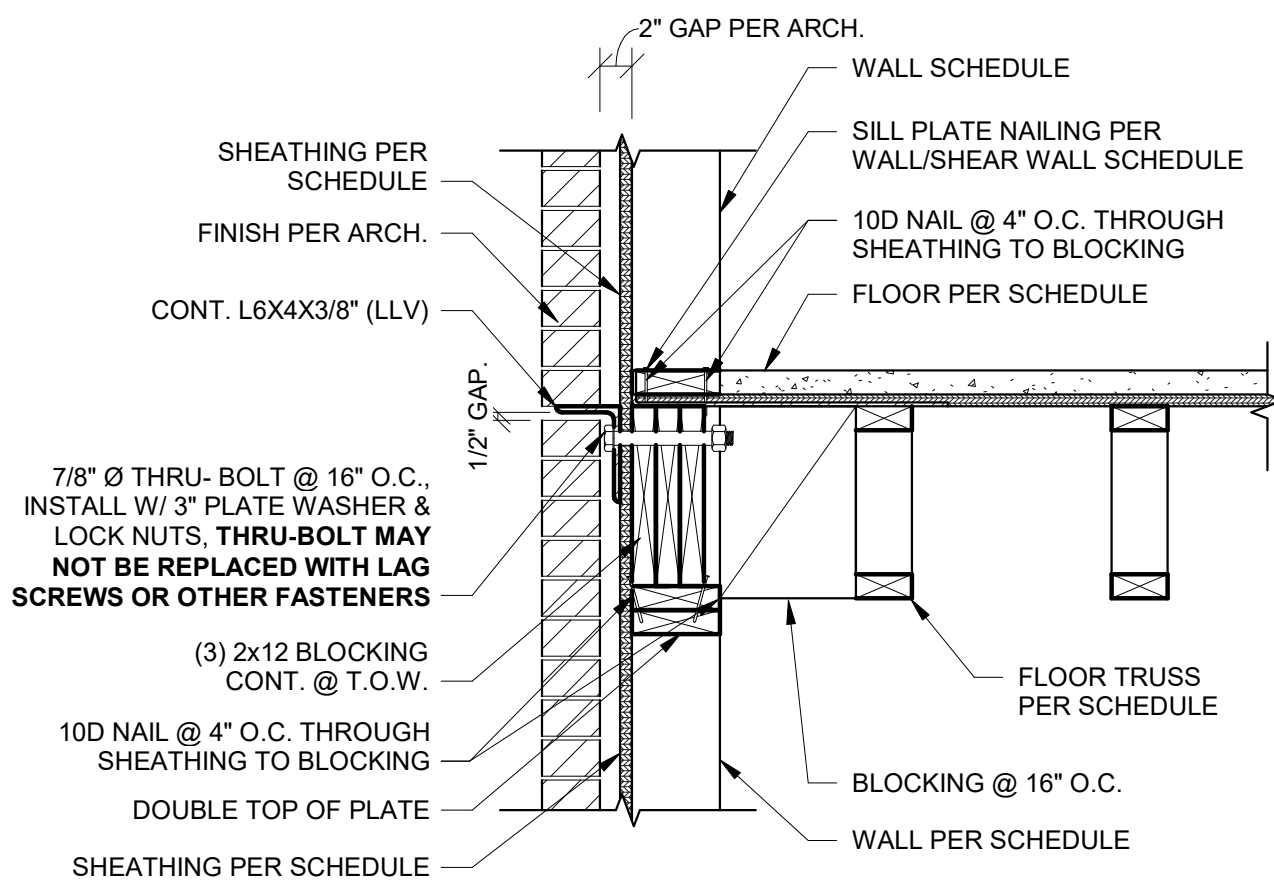
6 FRAMING TRANSITION AT CORRIDOR
S511 1" = 1'-0"



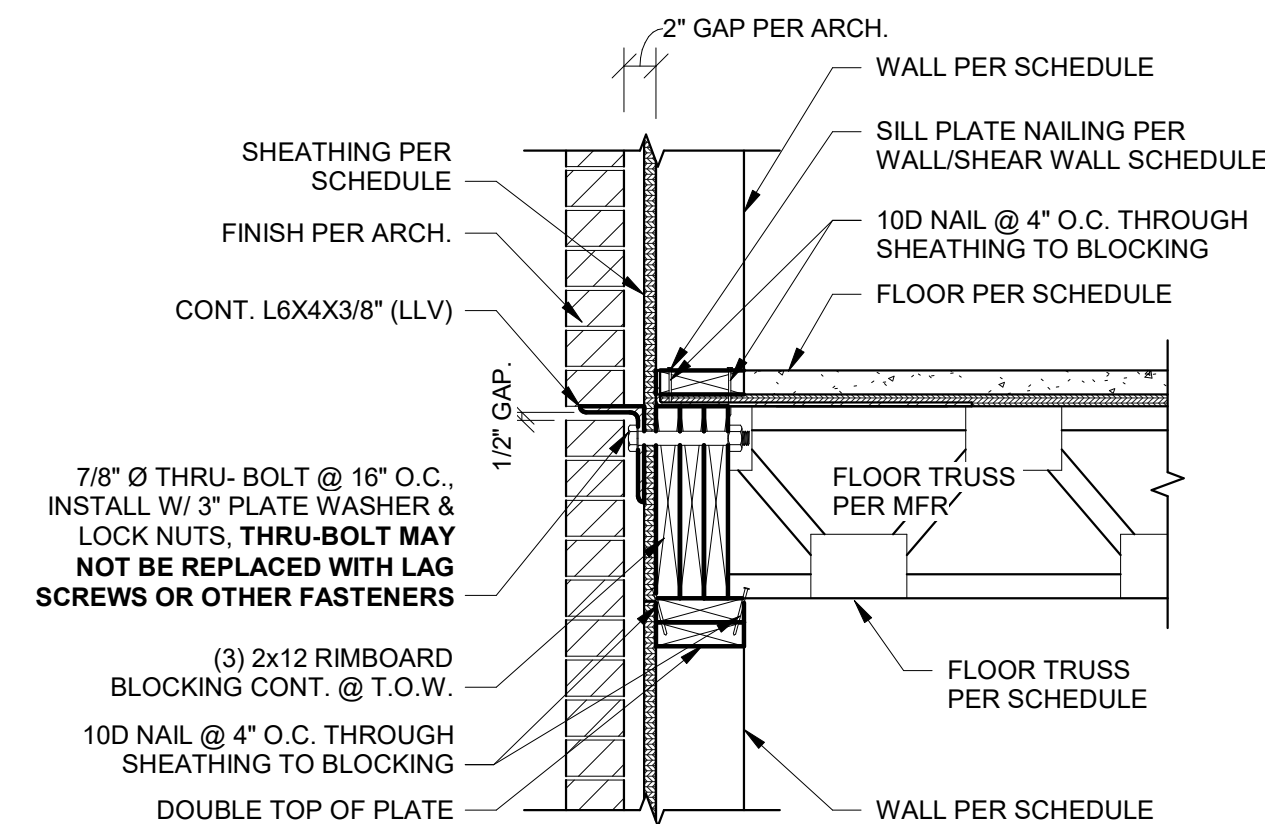
7 FLOOR TRUSS BEARING AT EXPANSION JOINT
S511 1" = 1'-0"



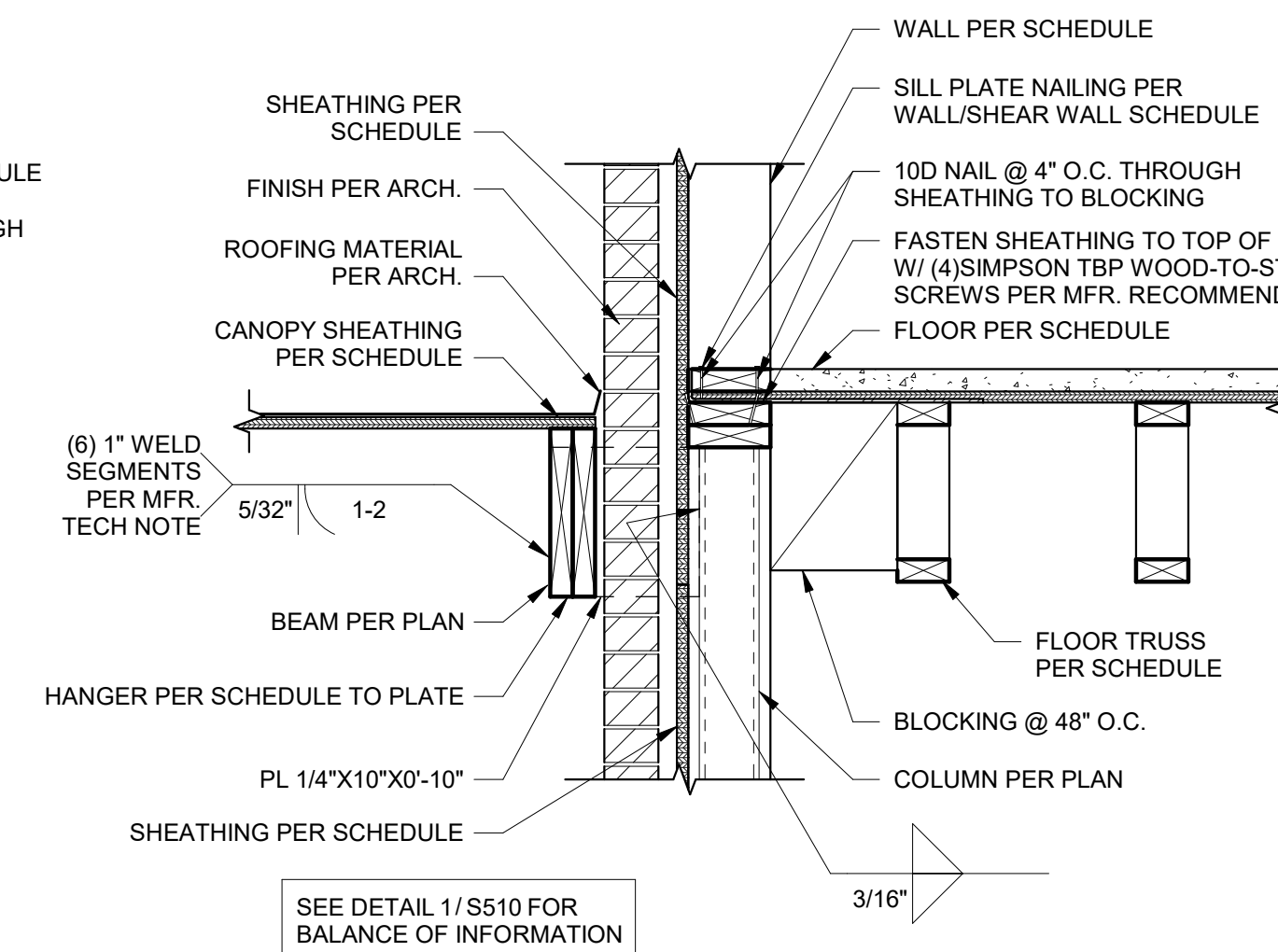
8 EXTERIOR SECTION AT LOW ROOF
S511 1" = 1'-0"



9 FRAMING AT EXTERIOR WITH BRICK RELIEF
S511 1" = 1'-0"



10 FRAMING AT CANOPY
S511 1" = 1'-0"



11 EXTERIOR SECTION AT LOW ROOF
S511 1" = 1'-0"

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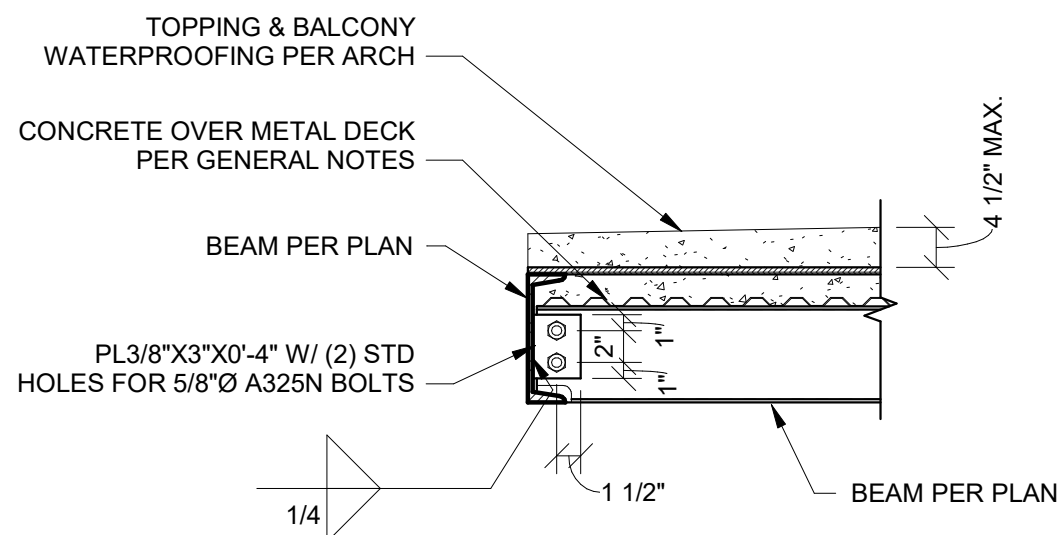
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LEE'S SUMMIT, MO 64064

SHEET TITLE
DETAILS

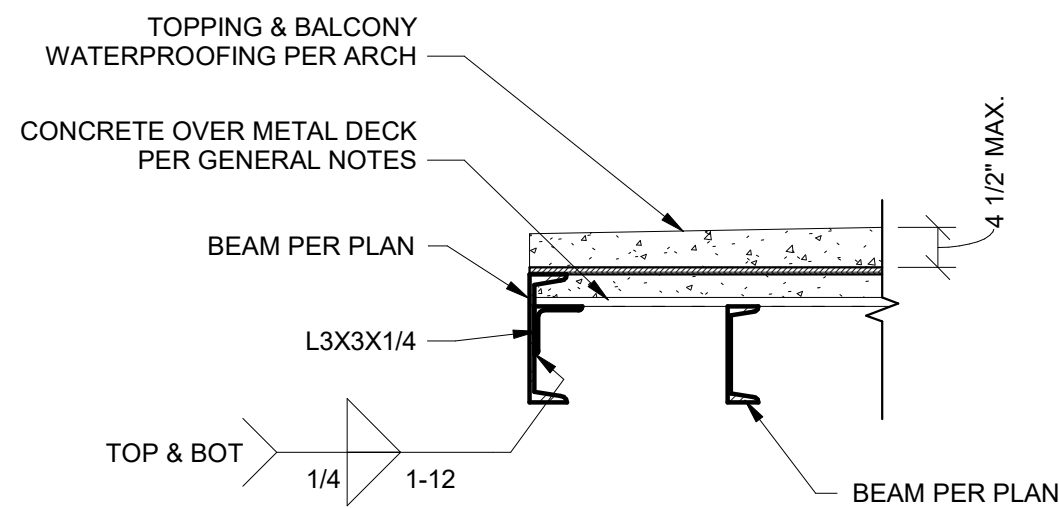
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SHEET NUMBER:

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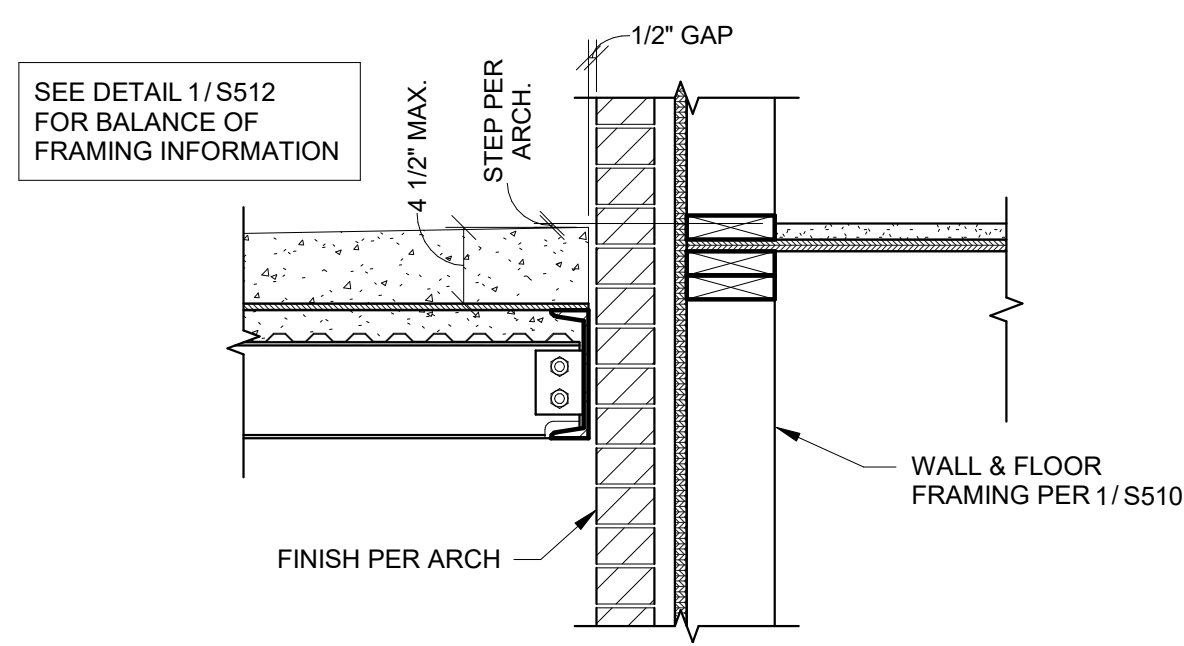
NOTE:
ALL BALCONY STEEL TO
BE G120 GALVANIZED

1
S512 BALCONY EDGE FRAMING - PERPENDICULAR
1" = 1'-0"



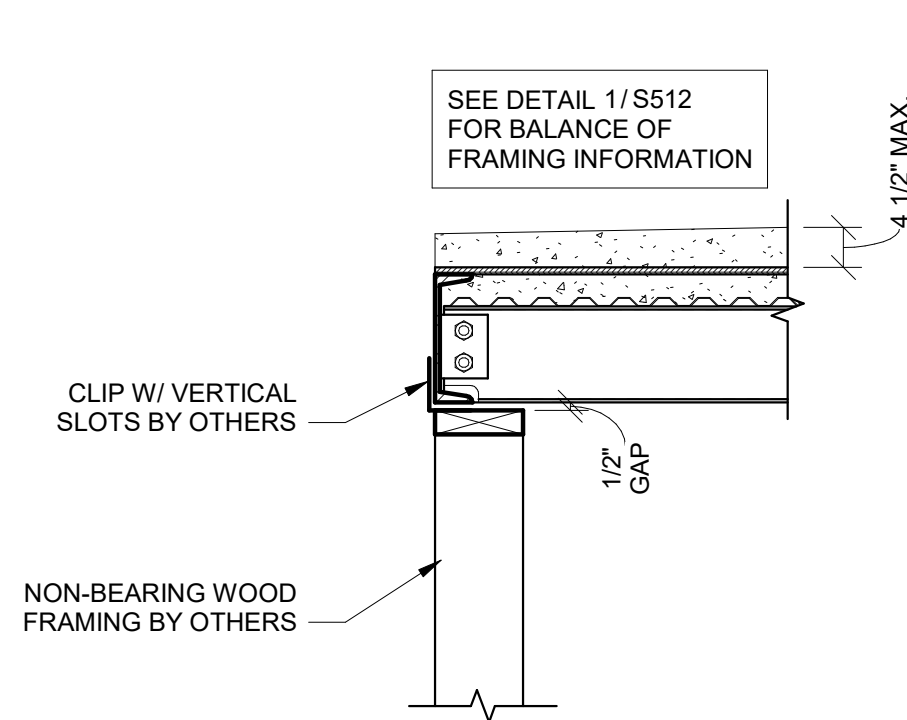
NOTE:
ALL BALCONY STEEL TO
BE G120 GALVANIZED

2
S512 BALCONY EDGE FRAMING - PARALLEL
1" = 1'-0"



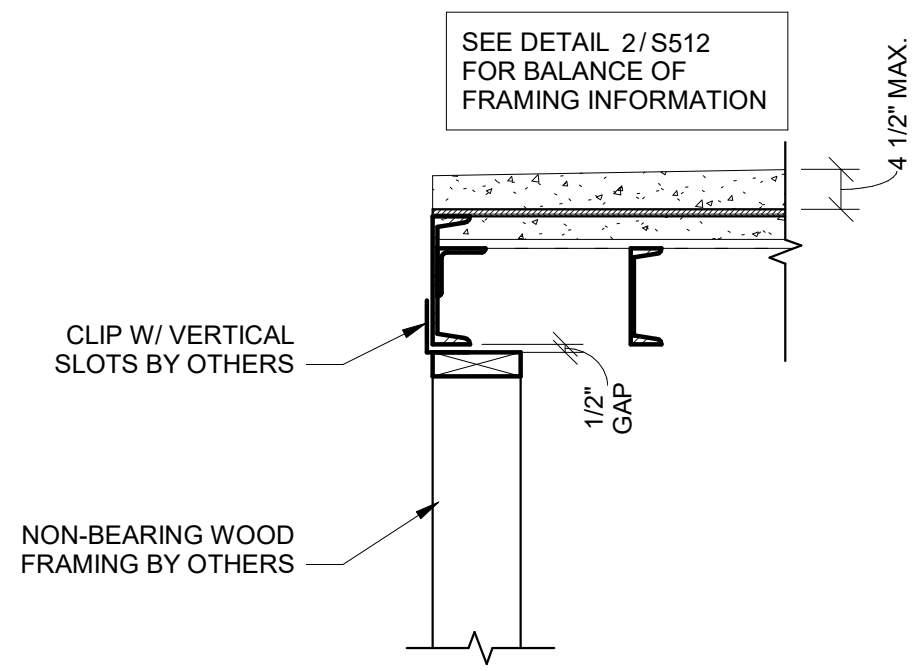
NOTE:
ALL BALCONY STEEL TO
BE G120 GALVANIZED

3
S512 BALCONY FRAMING - PERP. AT WALL
1" = 1'-0"



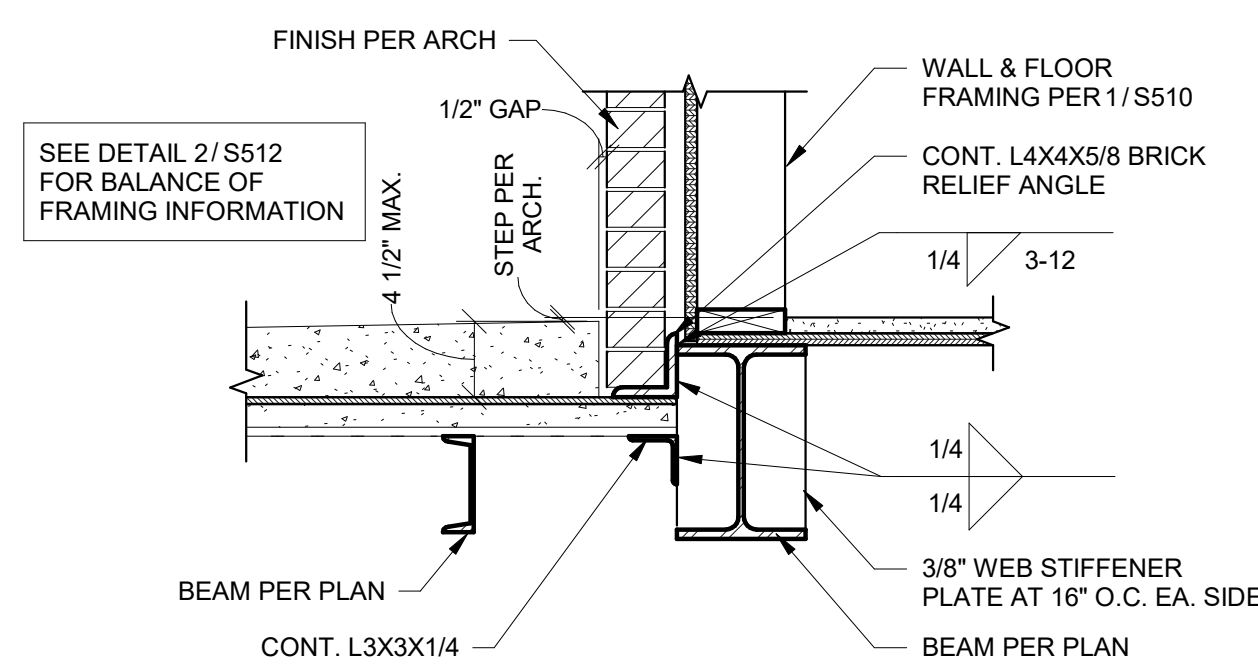
NOTE:
ALL BALCONY STEEL TO
BE G120 GALVANIZED

4
S512 BALCONY EDGE FRAMING - PERP. AT WALL
1" = 1'-0"



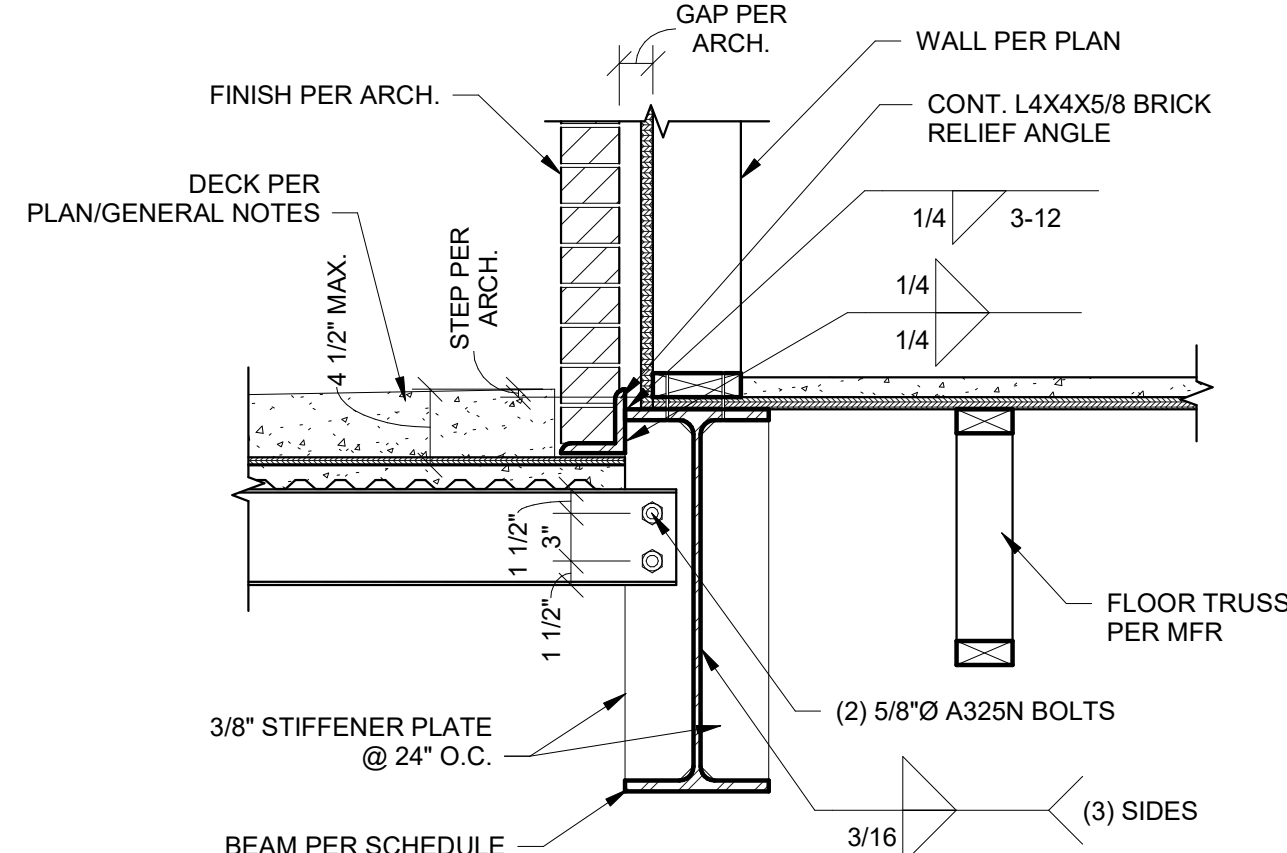
NOTE:
ALL BALCONY STEEL TO
BE G120 GALVANIZED

5
S512 BALCONY EDGE FRAMING - PARALLEL AT WALL
1" = 1'-0"



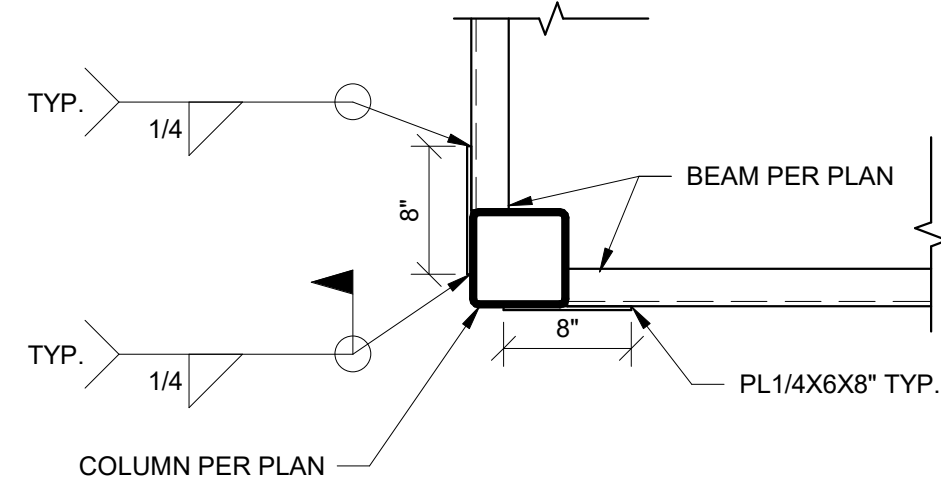
NOTE:
ALL BALCONY STEEL TO
BE G120 GALVANIZED

6
S512 BALCONY FRAMING - PARALLEL AT BEAM
1" = 1'-0"



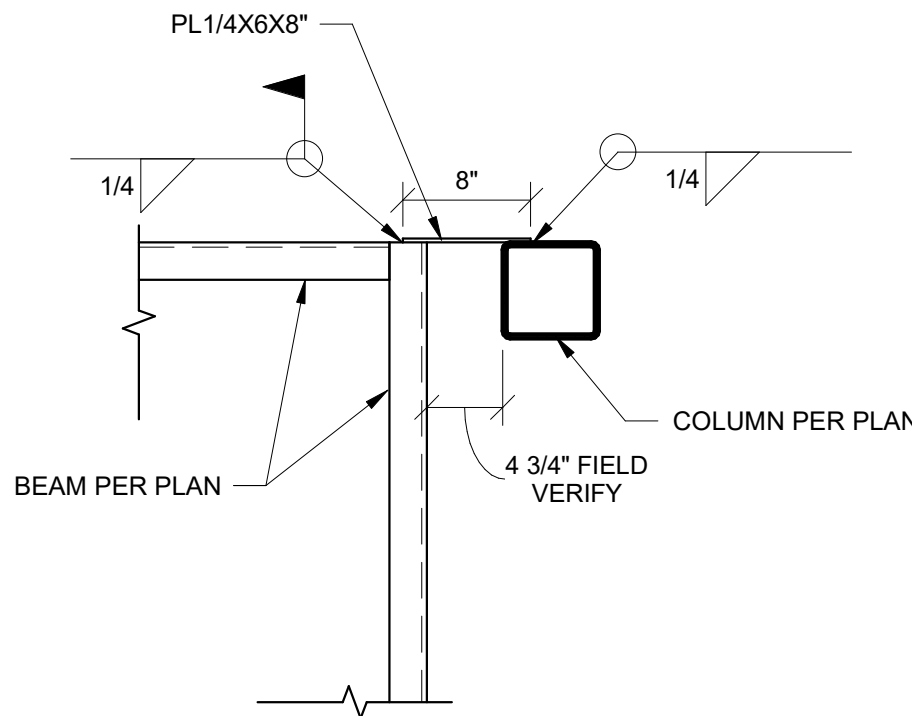
NOTE:
ALL BALCONY STEEL TO
BE G120 GALVANIZED

7
S512 BALCONY FRAMING - PERPENDICULAR AT BEAM
1" = 1'-0"



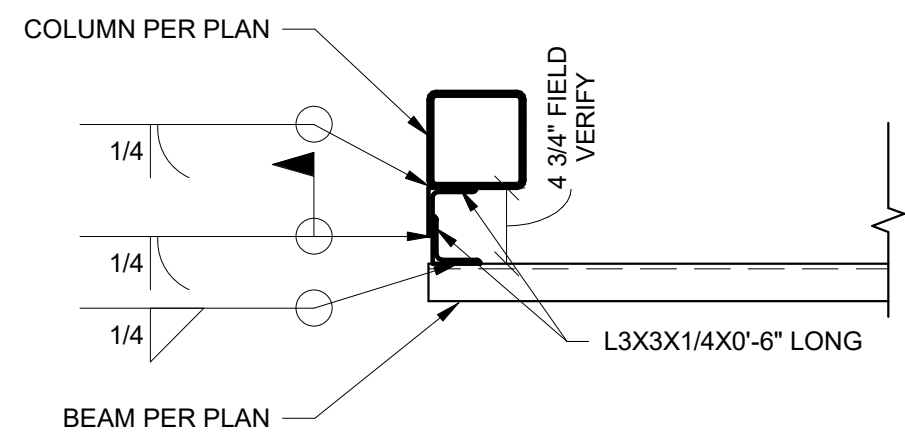
NOTES:
1. CONNECTION SHOWN FOR FRAMING
INTENT, MEMBER ORIENTATION MAY VARY
2. ALL BALCONY STEEL TO BE G120
GALVANIZED

8
S512 BALCONY BEAM TO COLUMN
1" = 1'-0"



NOTES:
1. CONNECTION SHOWN FOR FRAMING
INTENT, MEMBER ORIENTATION MAY VARY
2. ALL BALCONY STEEL TO BE G120
GALVANIZED

9
S512 BALCONY BEAM TO COLUMN W/ PLATE
1" = 1'-0"



NOTES:
1. CONNECTION SHOWN FOR FRAMING
INTENT, MEMBER ORIENTATION MAY VARY
2. ALL BALCONY STEEL TO BE G120
GALVANIZED

10
S512 BALCONY BEAM TO COLUMN W/ ANGLES
1" = 1'-0"

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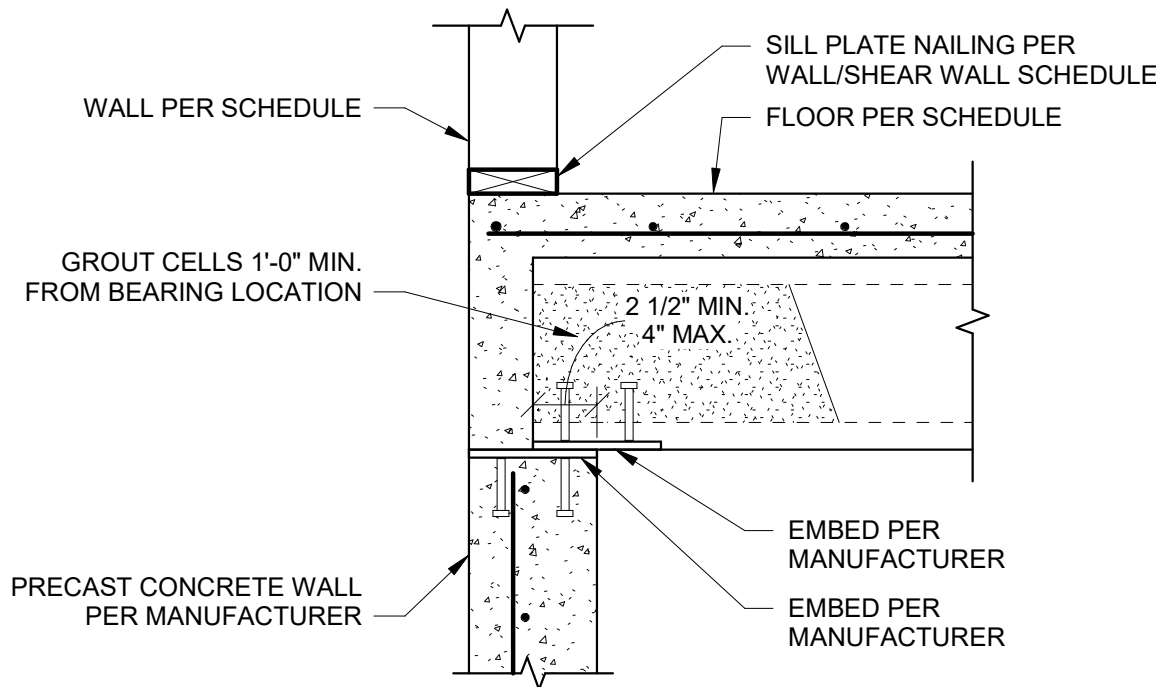
SHEET TITLE
DETAILS

PROJECT NUMBER: 2023000333

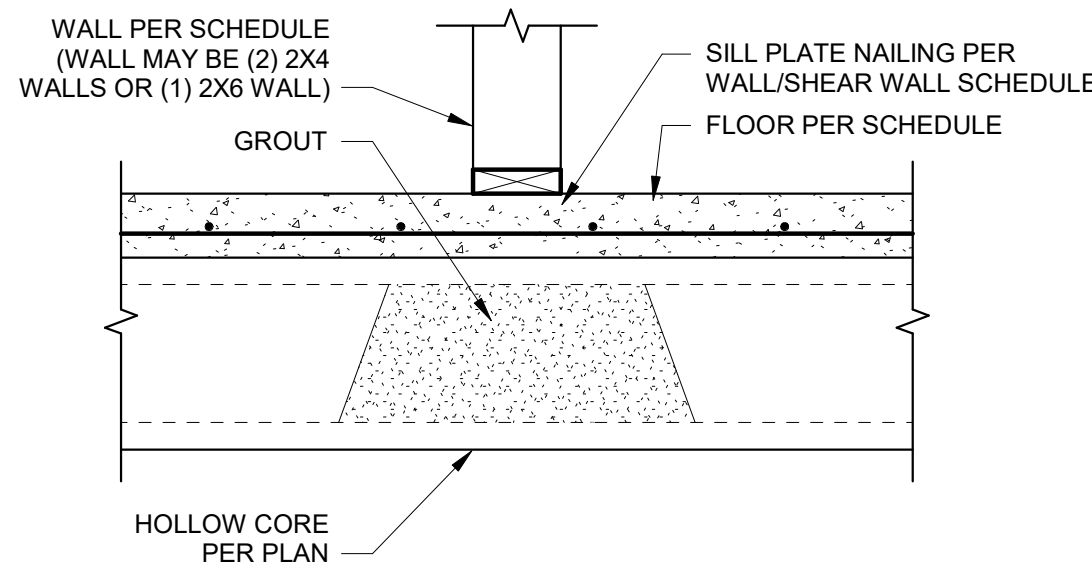
SHEET NUMBER:

S512

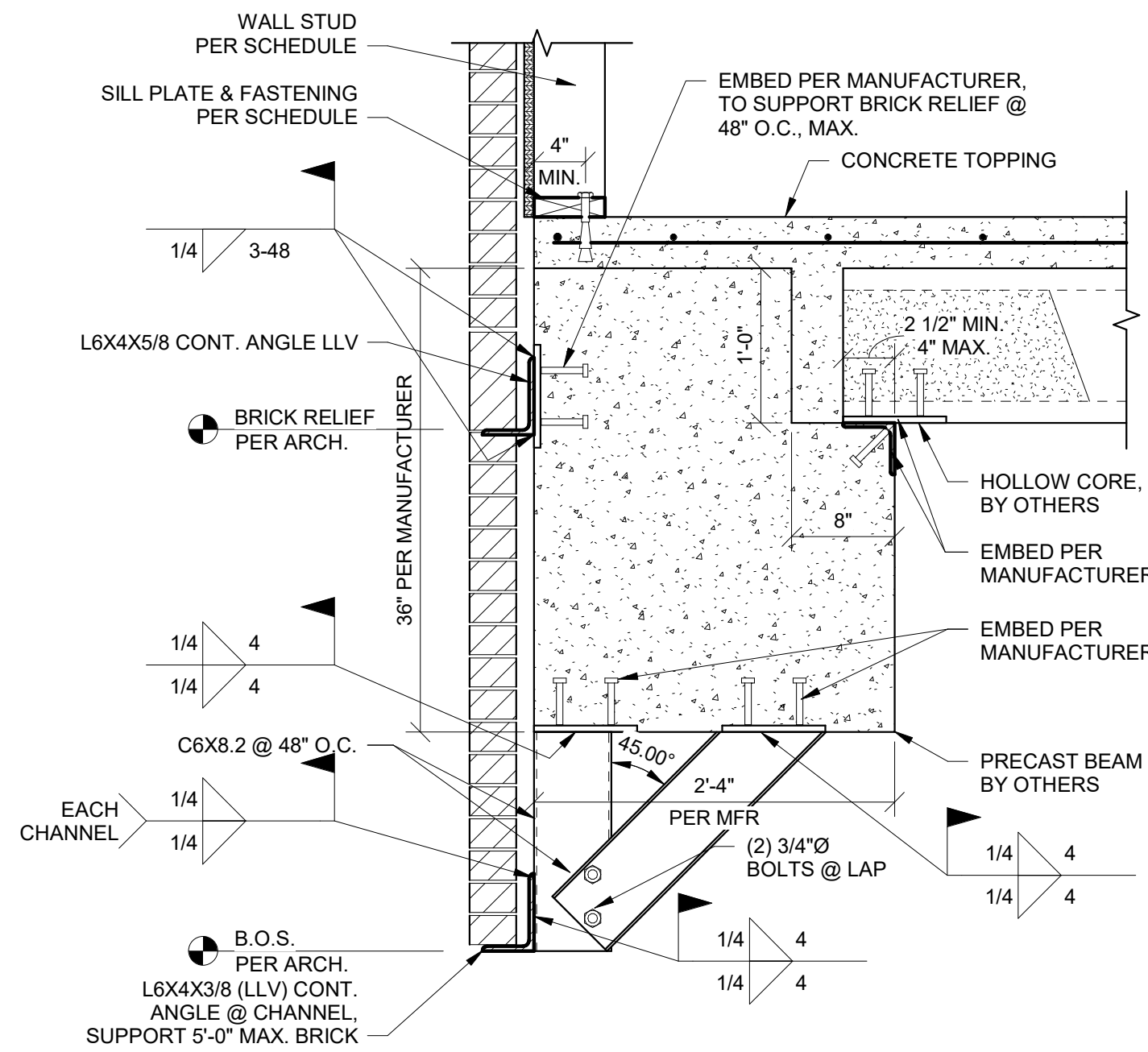
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Autodesk AutoCAD 2023
Drawing Path: Lee's Summit 2023000333 - Roommate - Towneplace Suites - 021-14



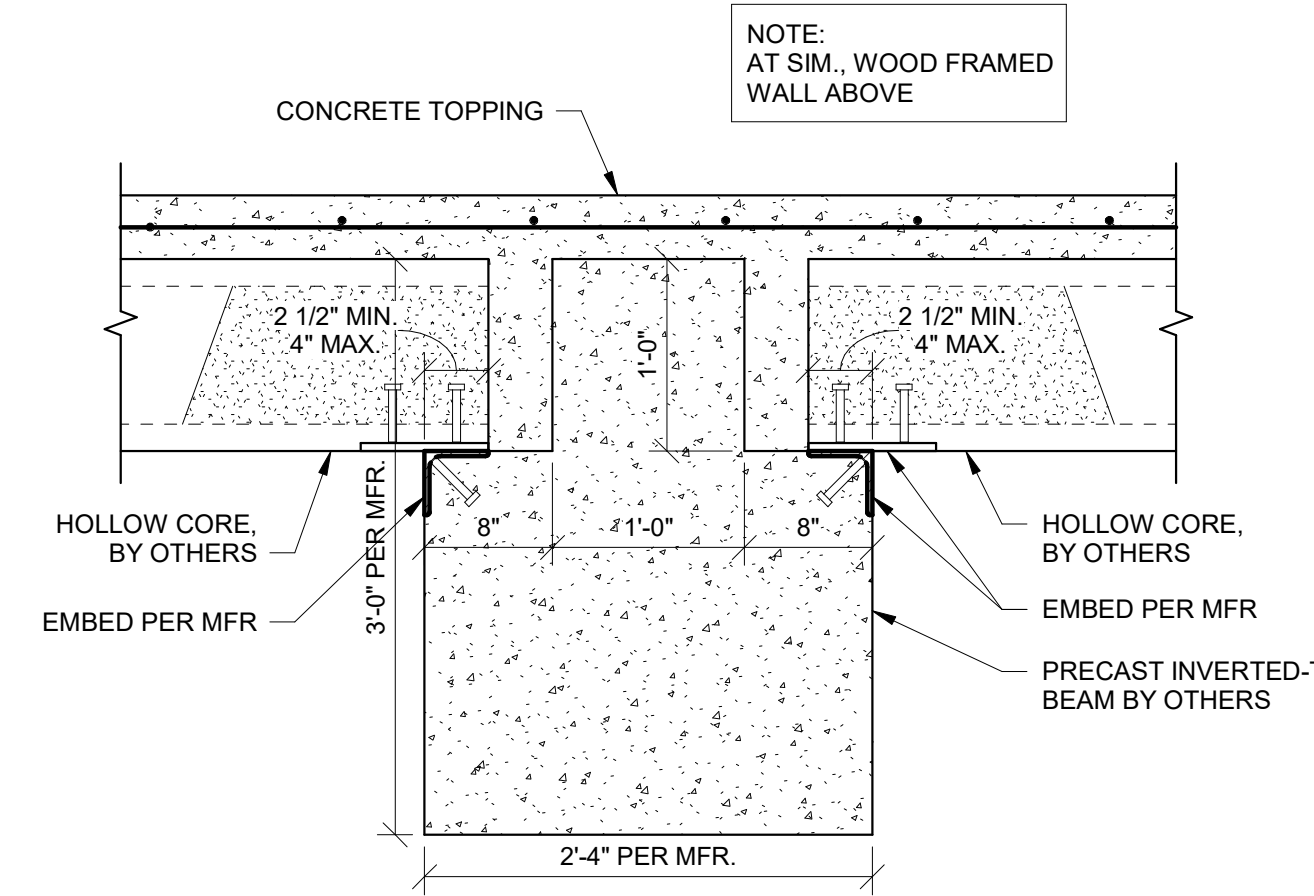
1 WALL BEARING AT HOLLOWCORE END
S515 1" = 1'-0"



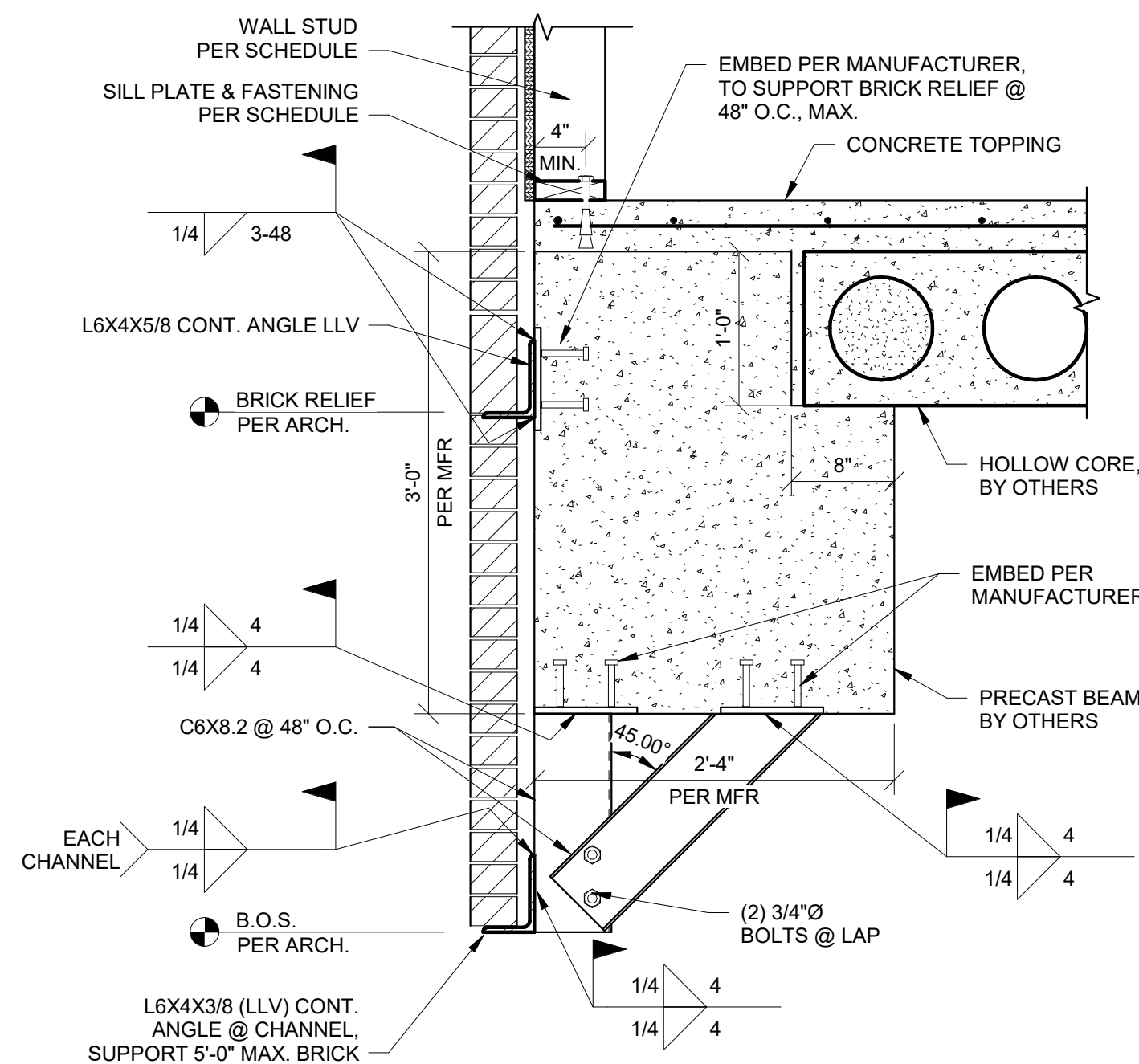
2 WALL BEARING AT HOLLOWCORE
S515 1" = 1'-0"



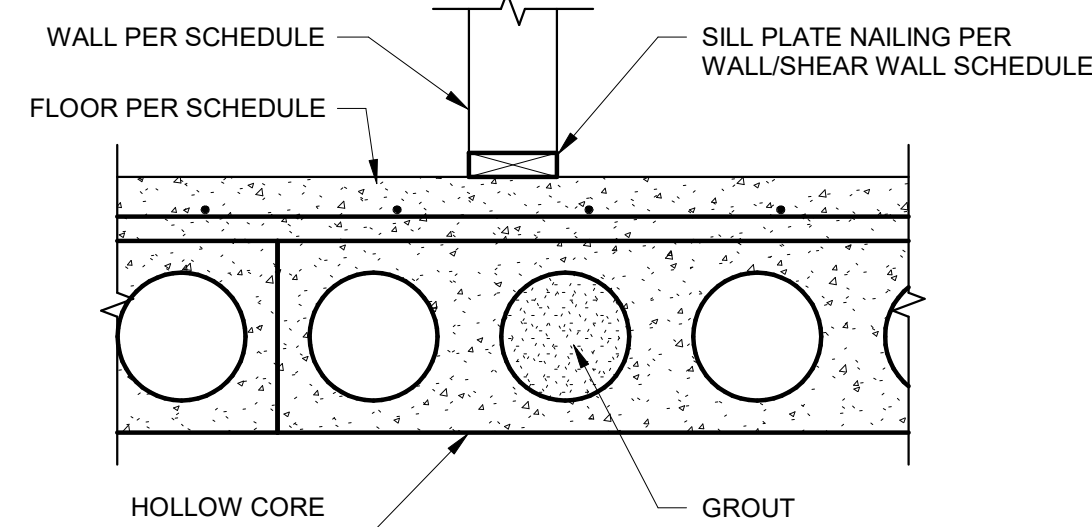
3 HOLLOWCORE TO PRECAST BEAM
S515 1" = 1'-0"



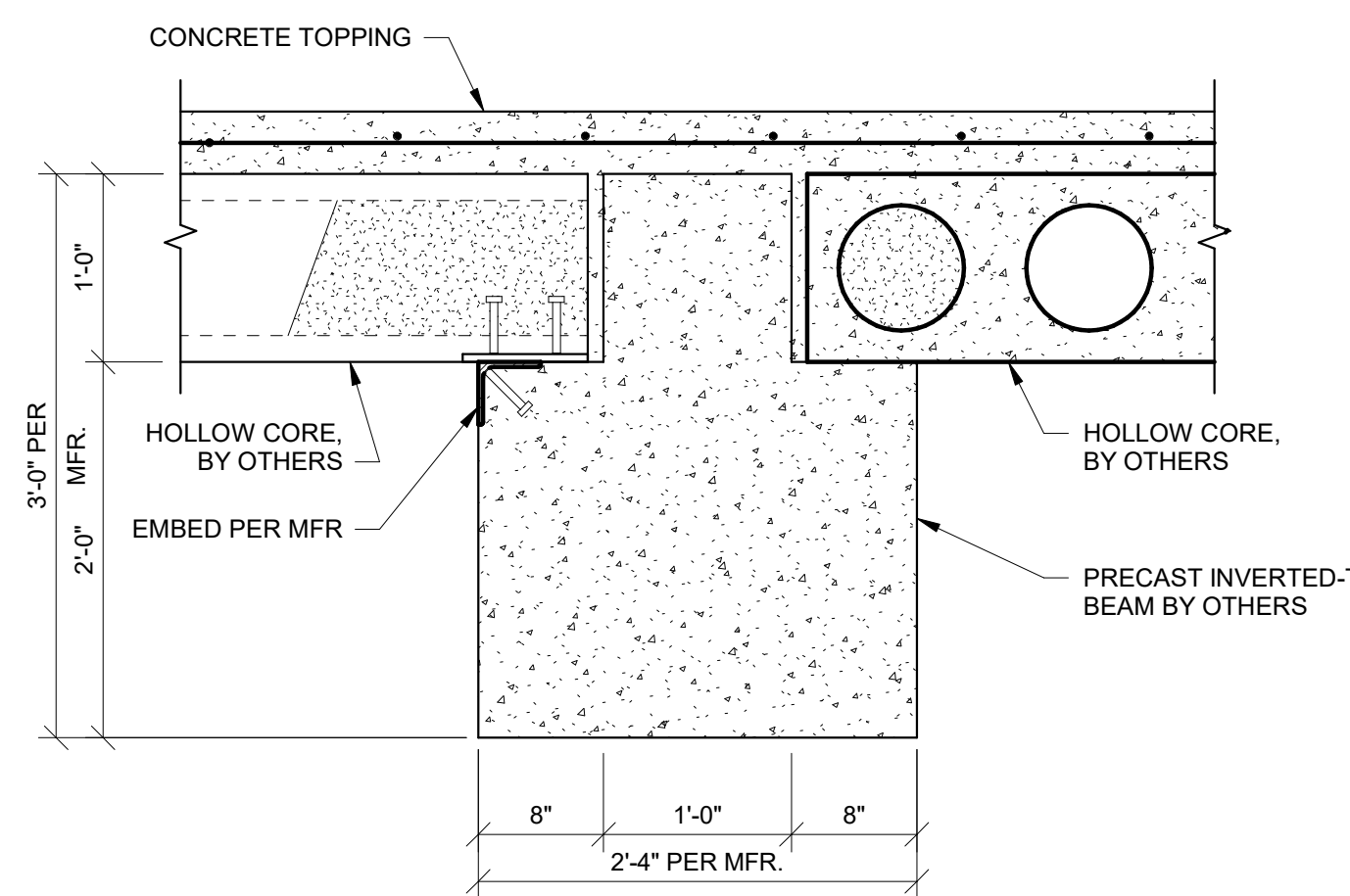
4 HOLLOWCORE TO INVERTED T
S515 1" = 1'-0"



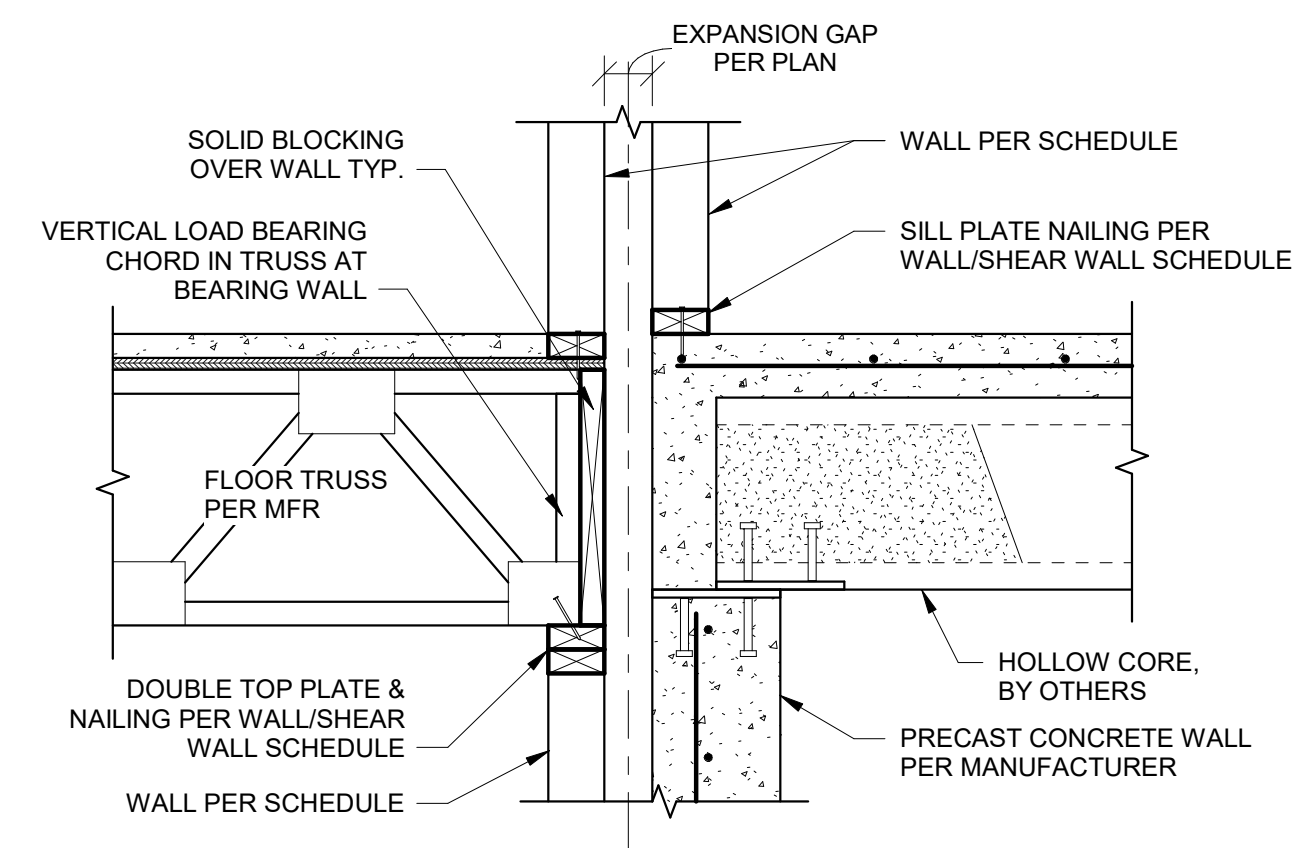
5 HOLLOWCORE AT PRECAST BEAM
S515 1" = 1'-0"



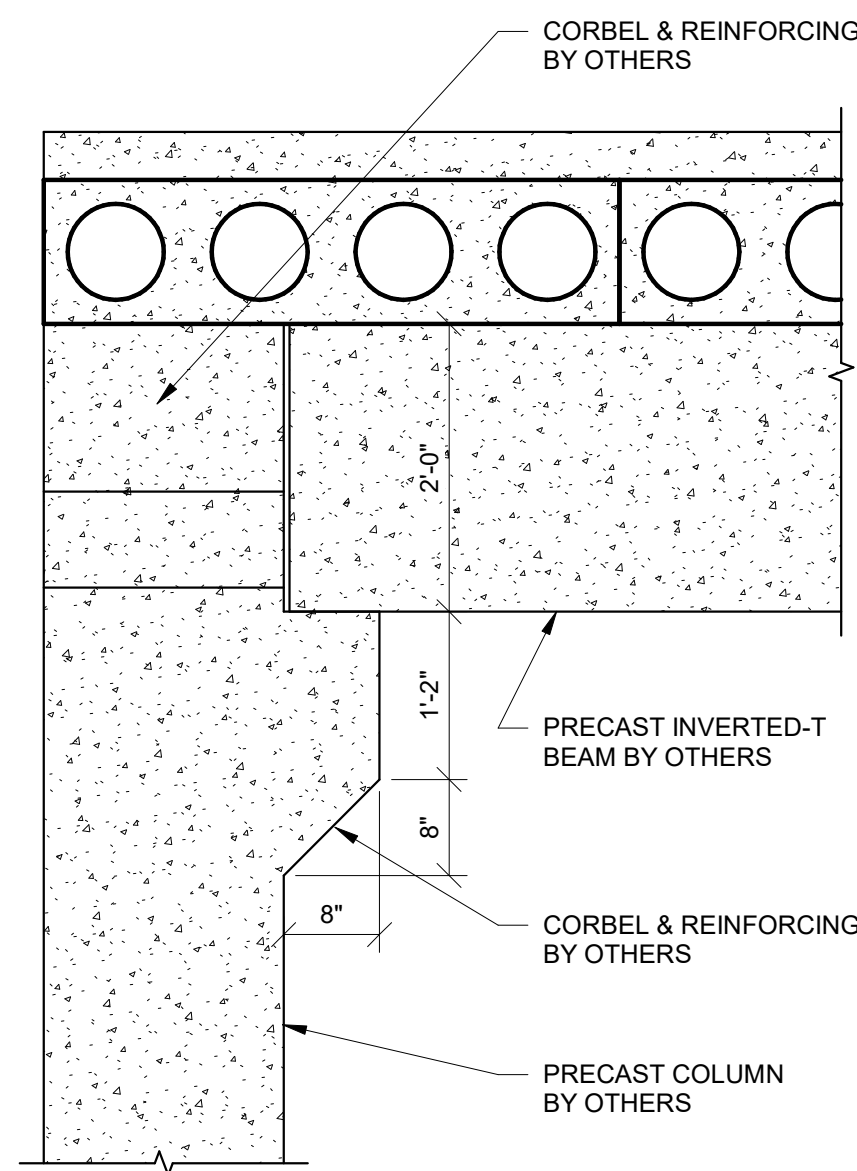
6 WALL BEARING AT HOLLOWCORE
S515 1" = 1'-0"



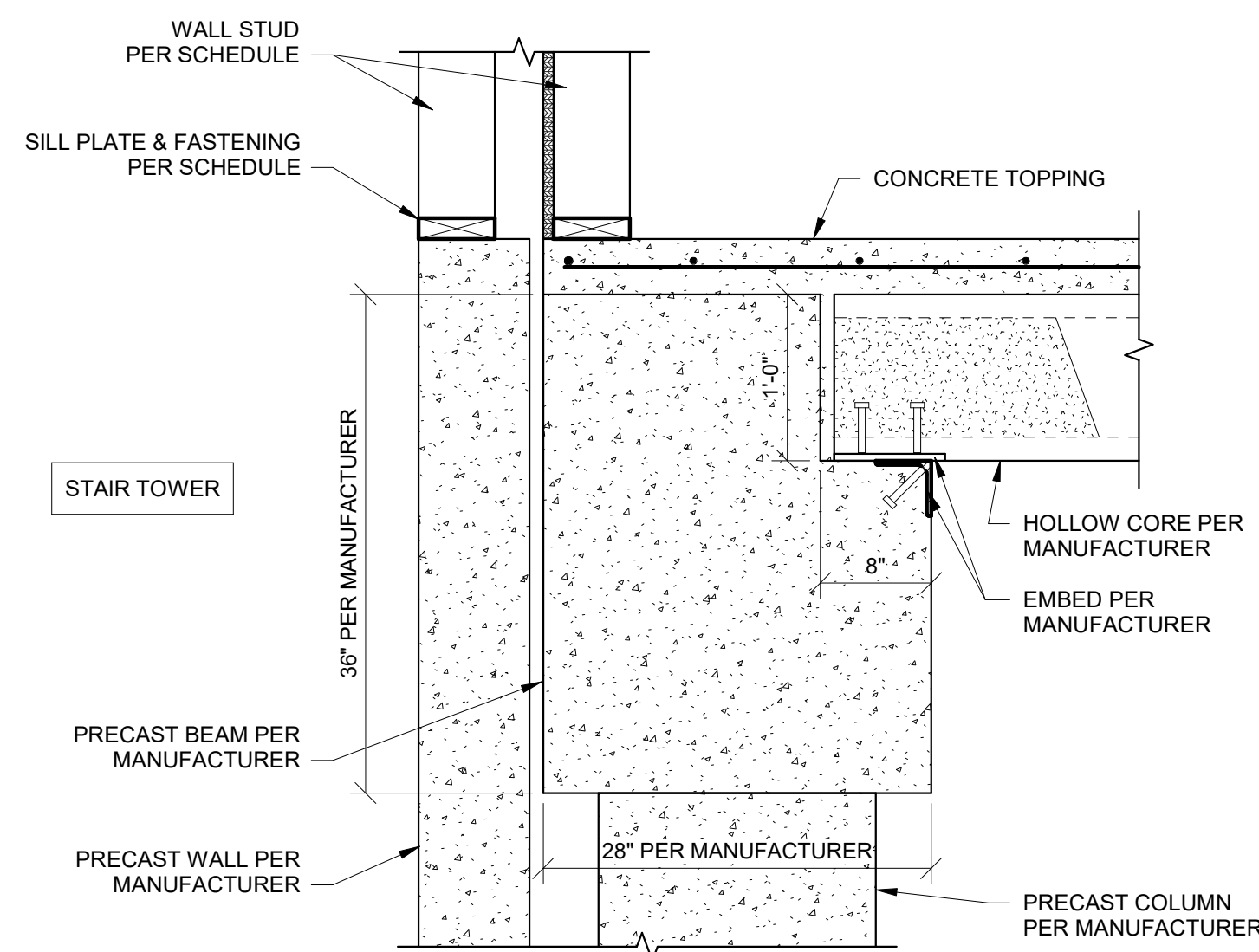
7 HOLLOWCORE TRANSITION TO INVERTED T
S515 1" = 1'-0"



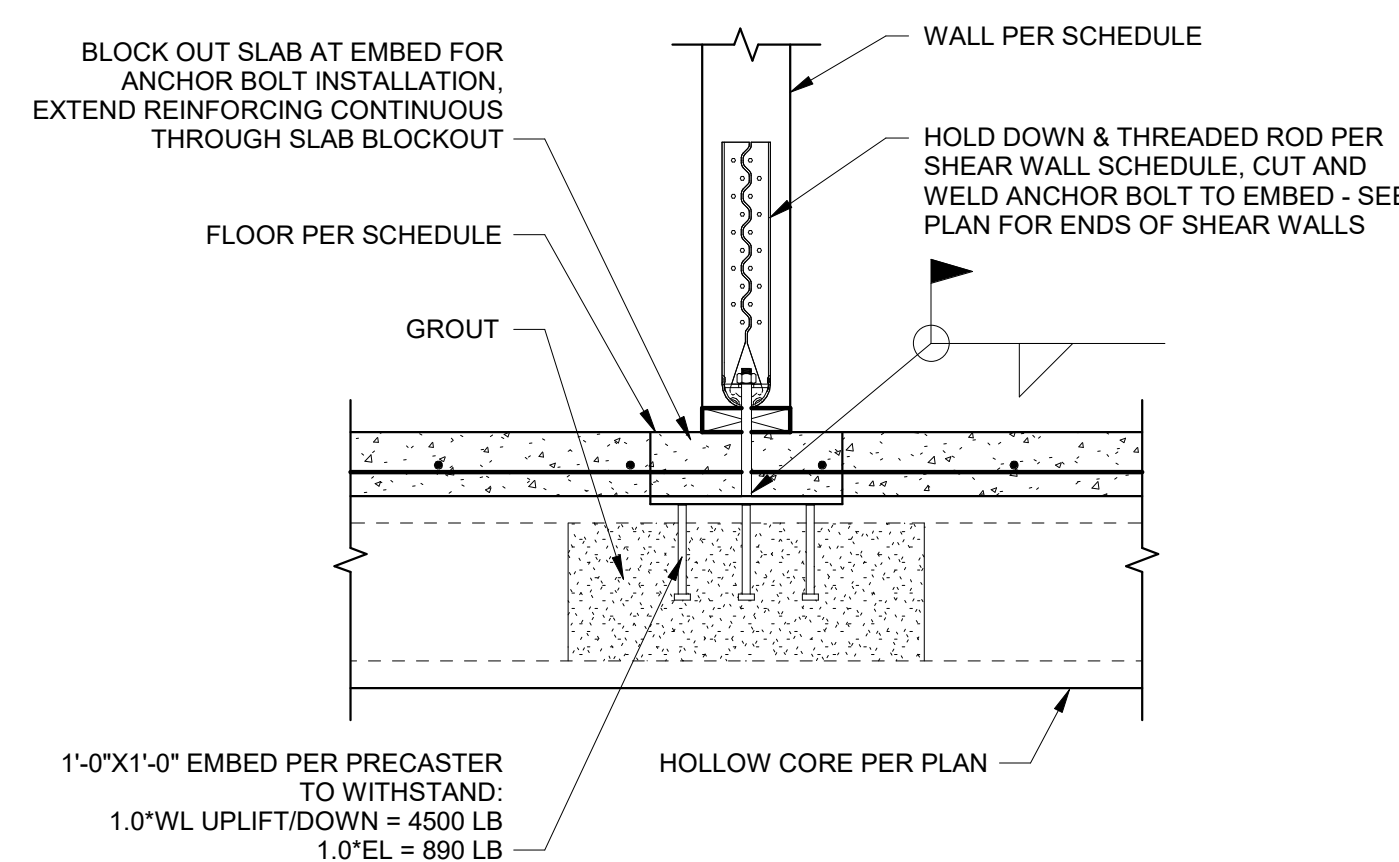
8 FLOOR FRAMING AT EXPANSION JOINT
S515 1" = 1'-0"



9 PRECAST BEAM TO PRECAST COLUMN
S515 3/4" = 1'-0"



10 SECTION AT STAIR TOWER
S515 1" = 1'-0"



11 SHEAR WALL HOLD DOWN AT PRECAST
S515 1" = 1'-0"

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NO. E-2006023253
EXPIRES: DECEMBER 31, 2024

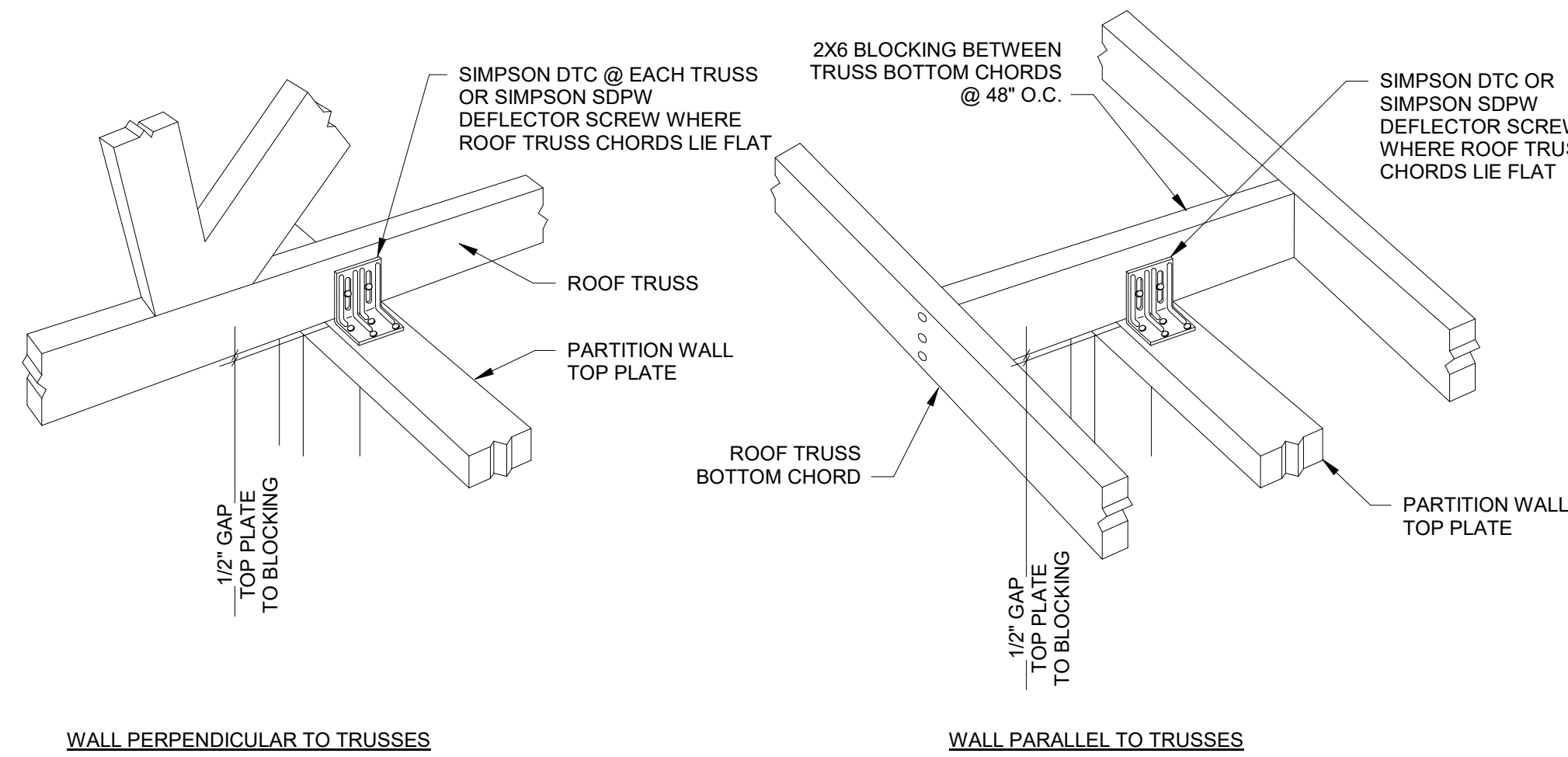
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1810 NORTHEAST DOUGLAS ST
LEE'S SUMMIT, MO 64064

SHEET TITLE
PRECAST DETAILS

PROJECT NUMBER: 2023000333
SHEET NUMBER:

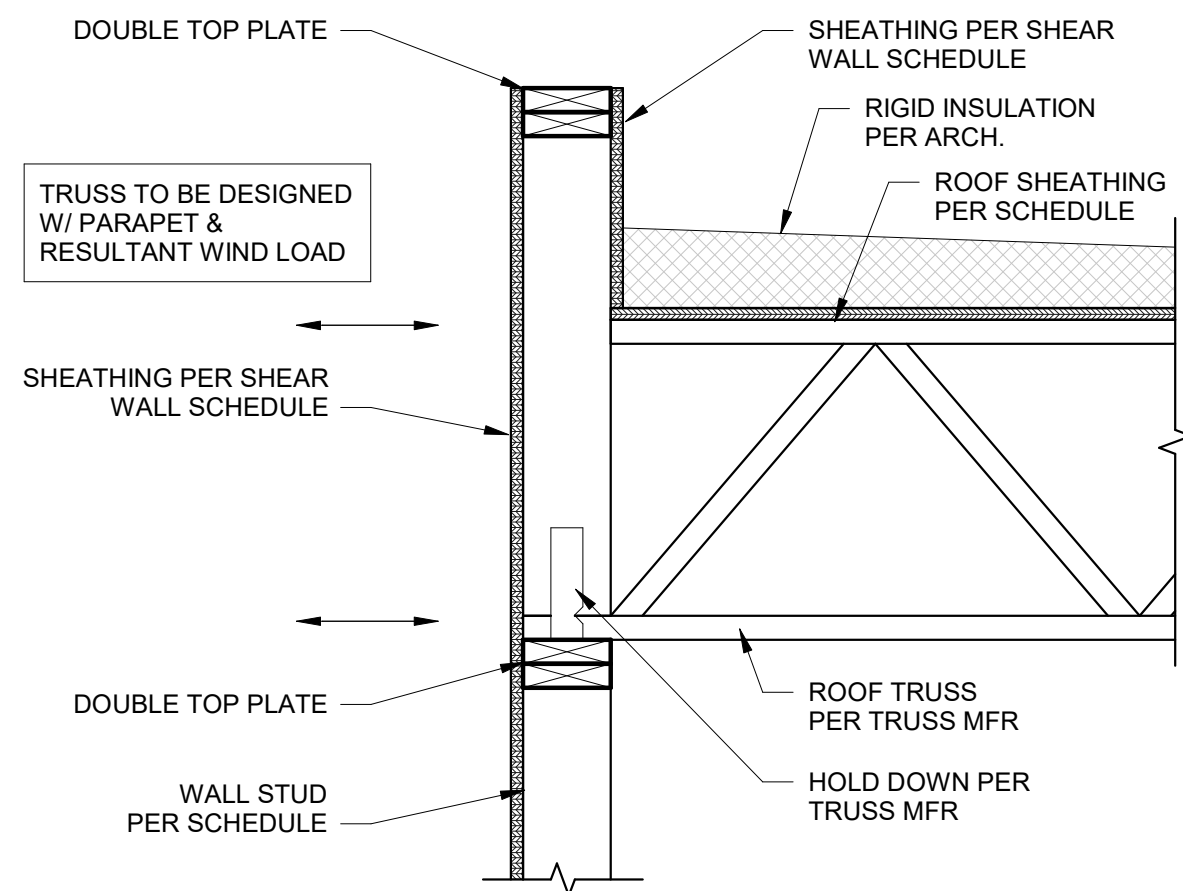
S515



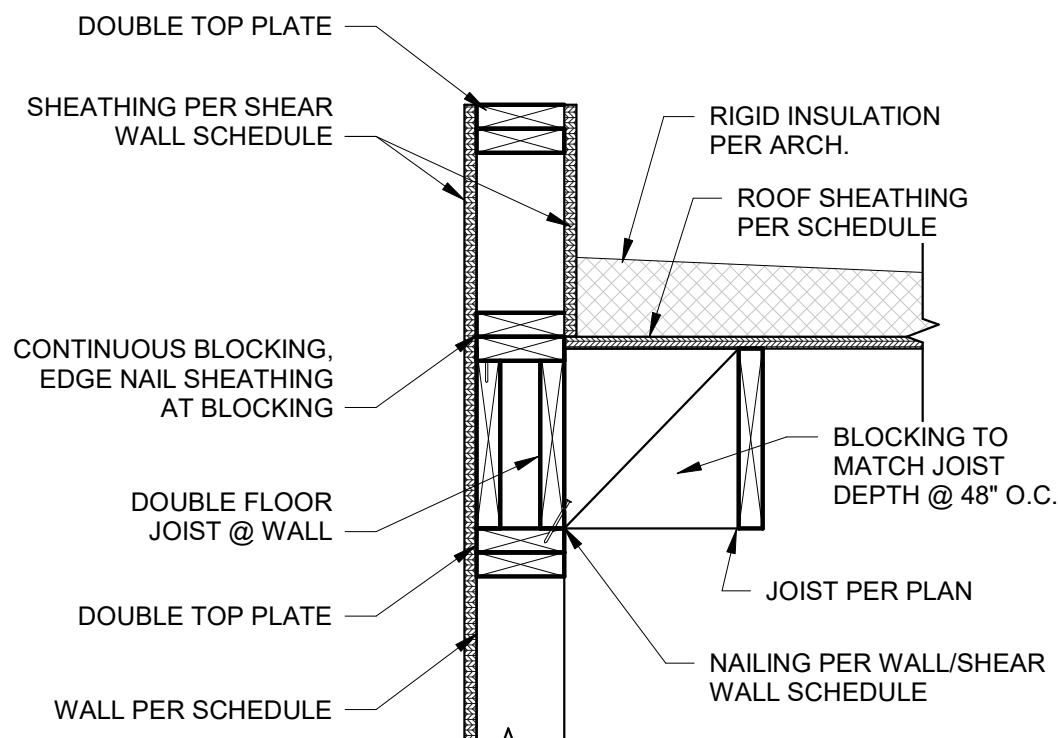
WALL PERPENDICULAR TO TRUSSES

WALL PARALLEL TO TRUSSES

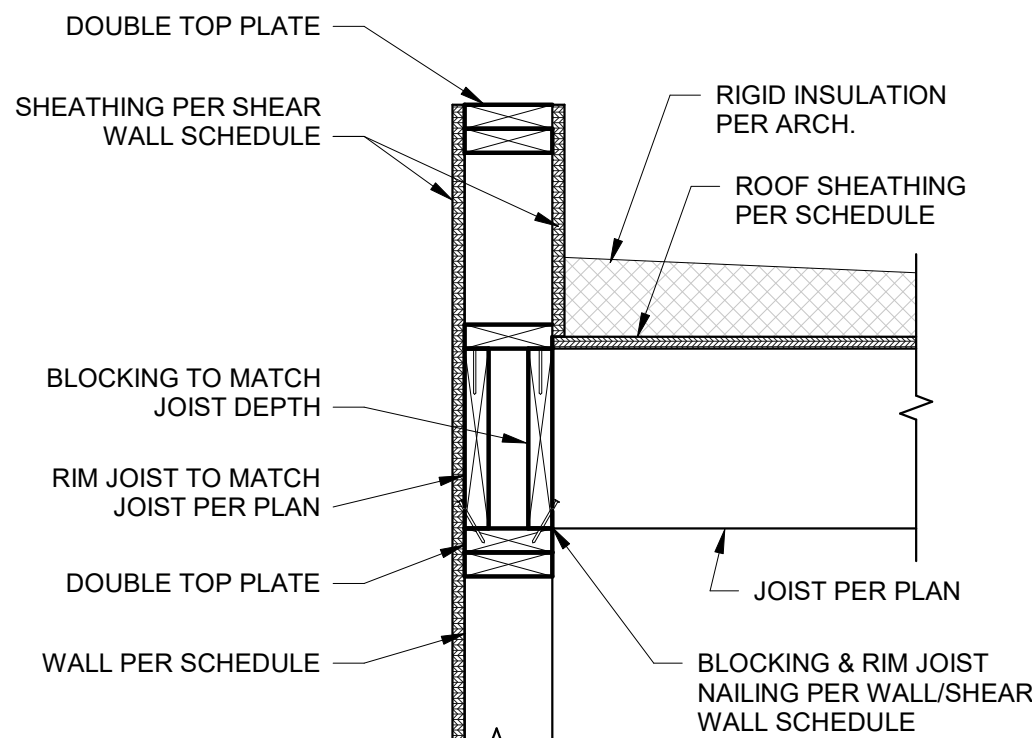
3 PARTITION WALL AT ROOF TRUSS
S520 1" = 1'-0"



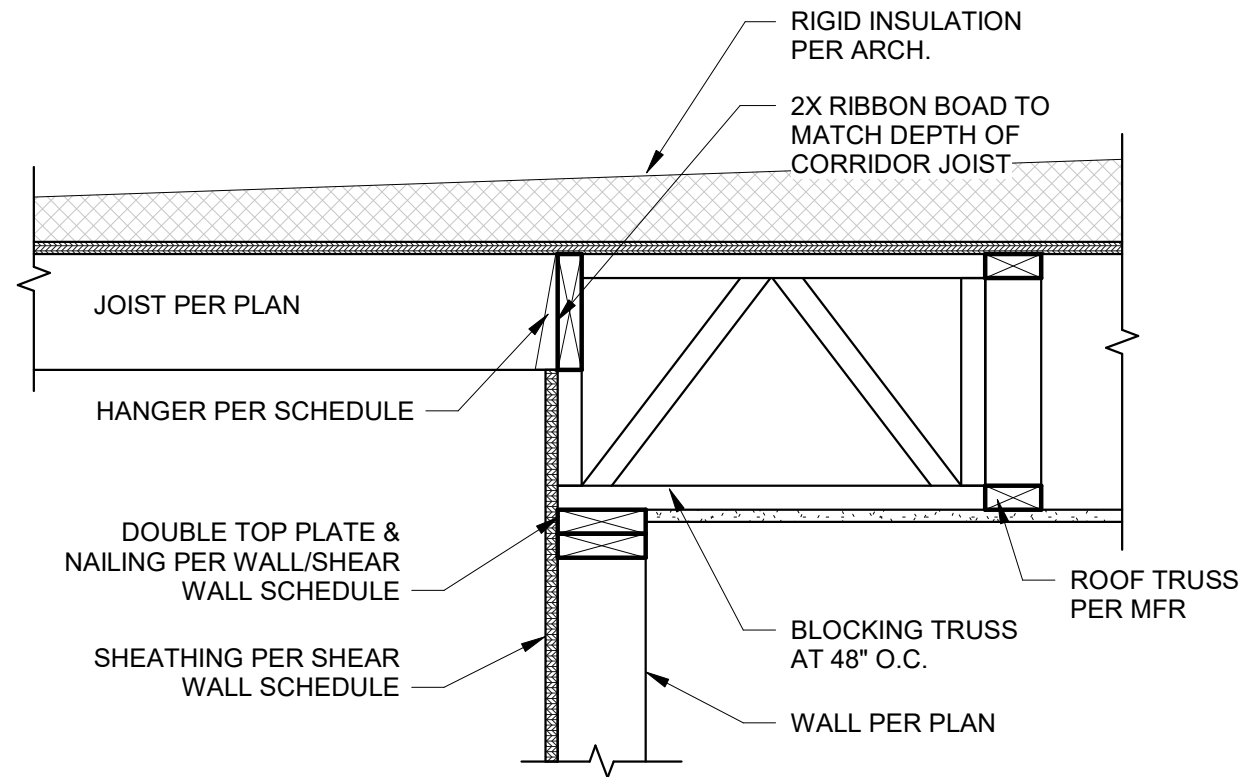
4 ROOF TRUSS AT EXTERIOR WALL
S520 1" = 1'-0"



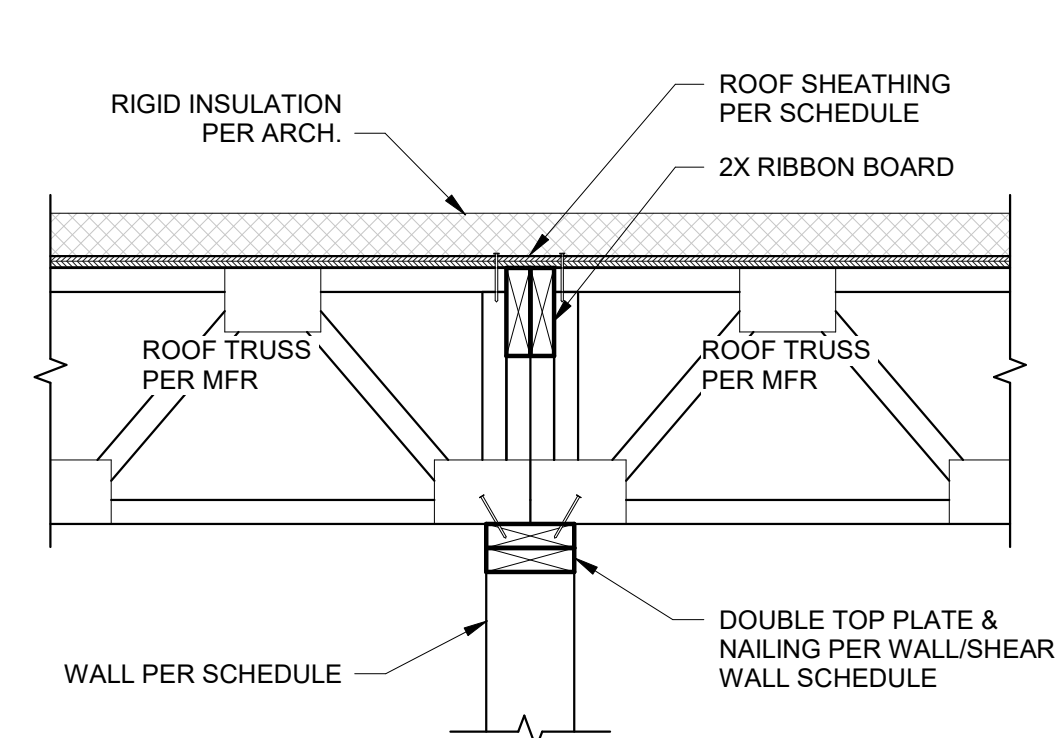
5 FRAMING AT EXTERIOR WALL AT ROOF
S520 1" = 1'-0"



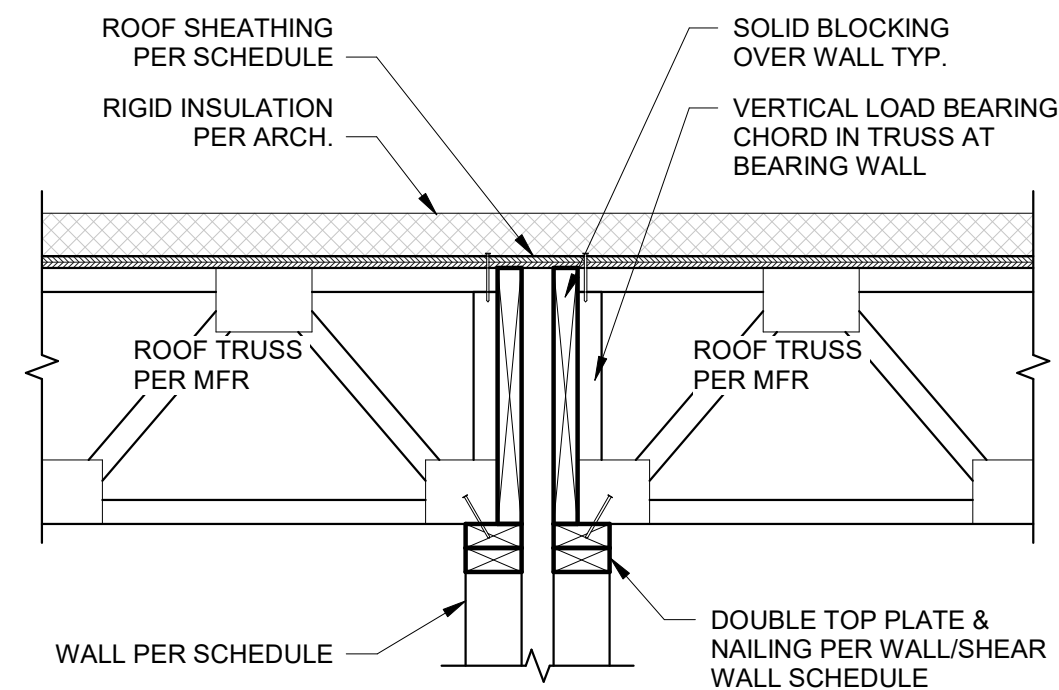
NOTE:
CONTRACTOR MAY ALTERNATIVELY FASTEN
ROOF JOIST TO DOUBLE RIM JOIST @ END
WALL W/ SIMPSON LUS28 @ EACH JOIST



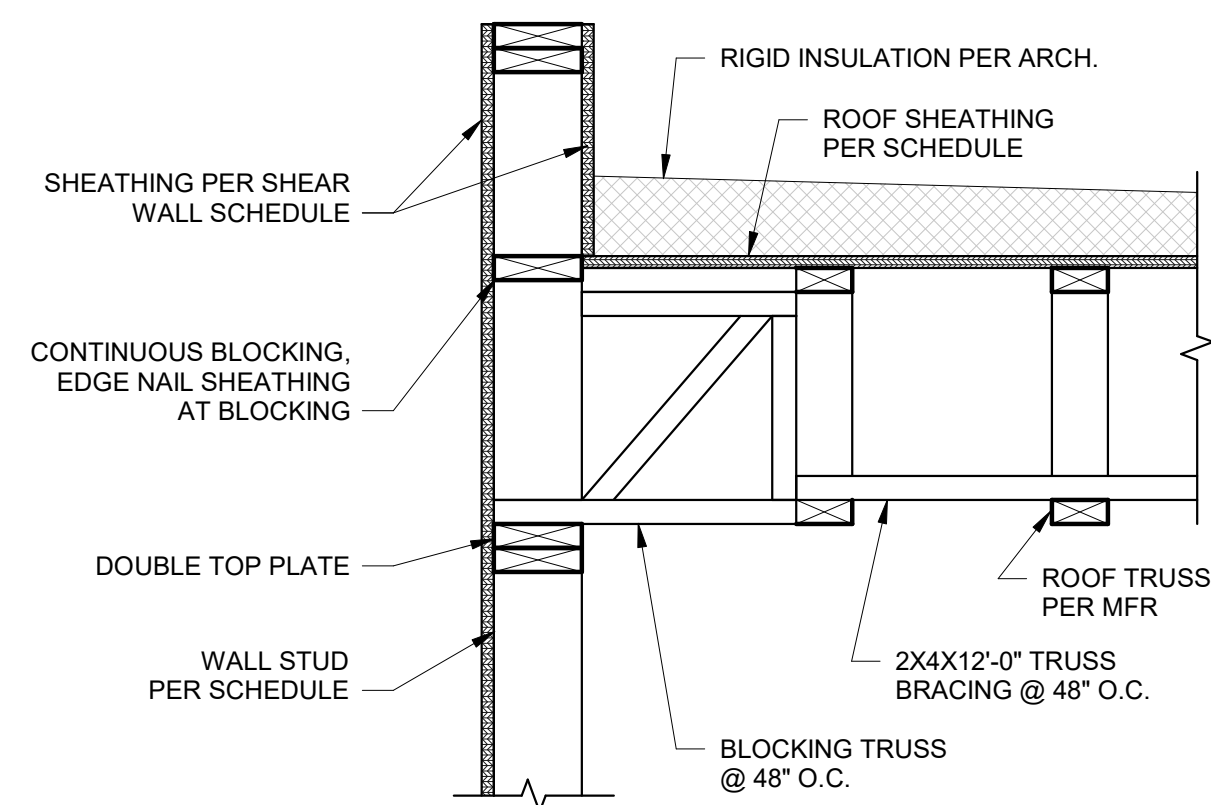
6 FRAMING AT CORRIDOR AT ROOF
S520 1" = 1'-0"



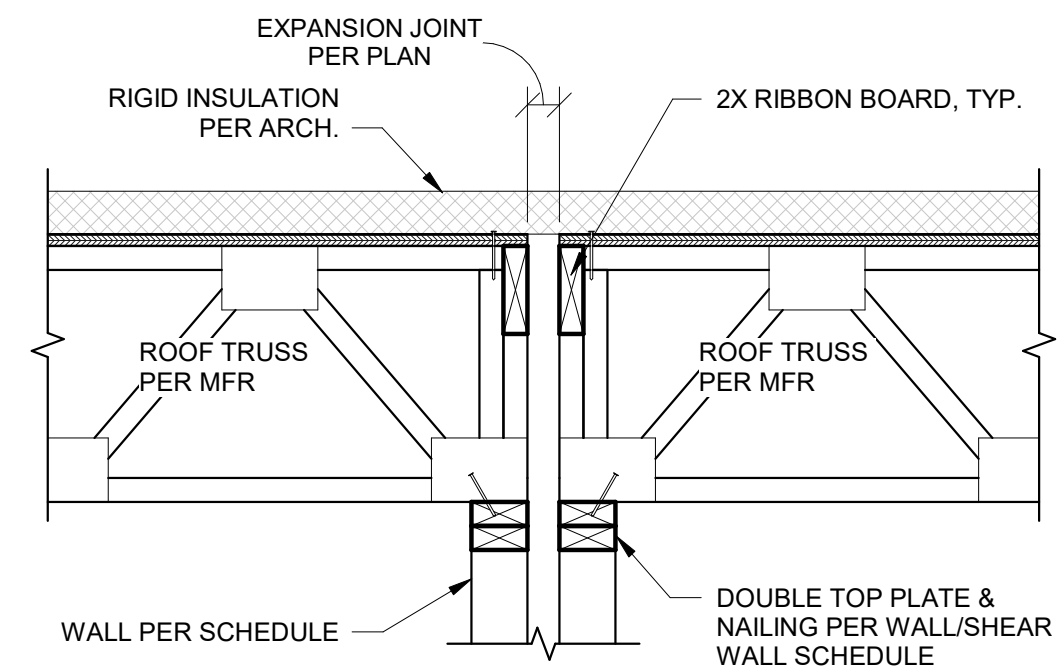
7 ROOF FRAMING AT INTERIOR WALL
S520 1" = 1'-0"



8 ROOF TRUSS BEARING AT
INTERIOR DEMISING WALL
S520 1" = 1'-0"



9 ROOF TRUSS PARALLEL AT EXTERIOR WALL
S520 1" = 1'-0"



10 EXPANSION JOINT AT ROOF
S520 1" = 1'-0"

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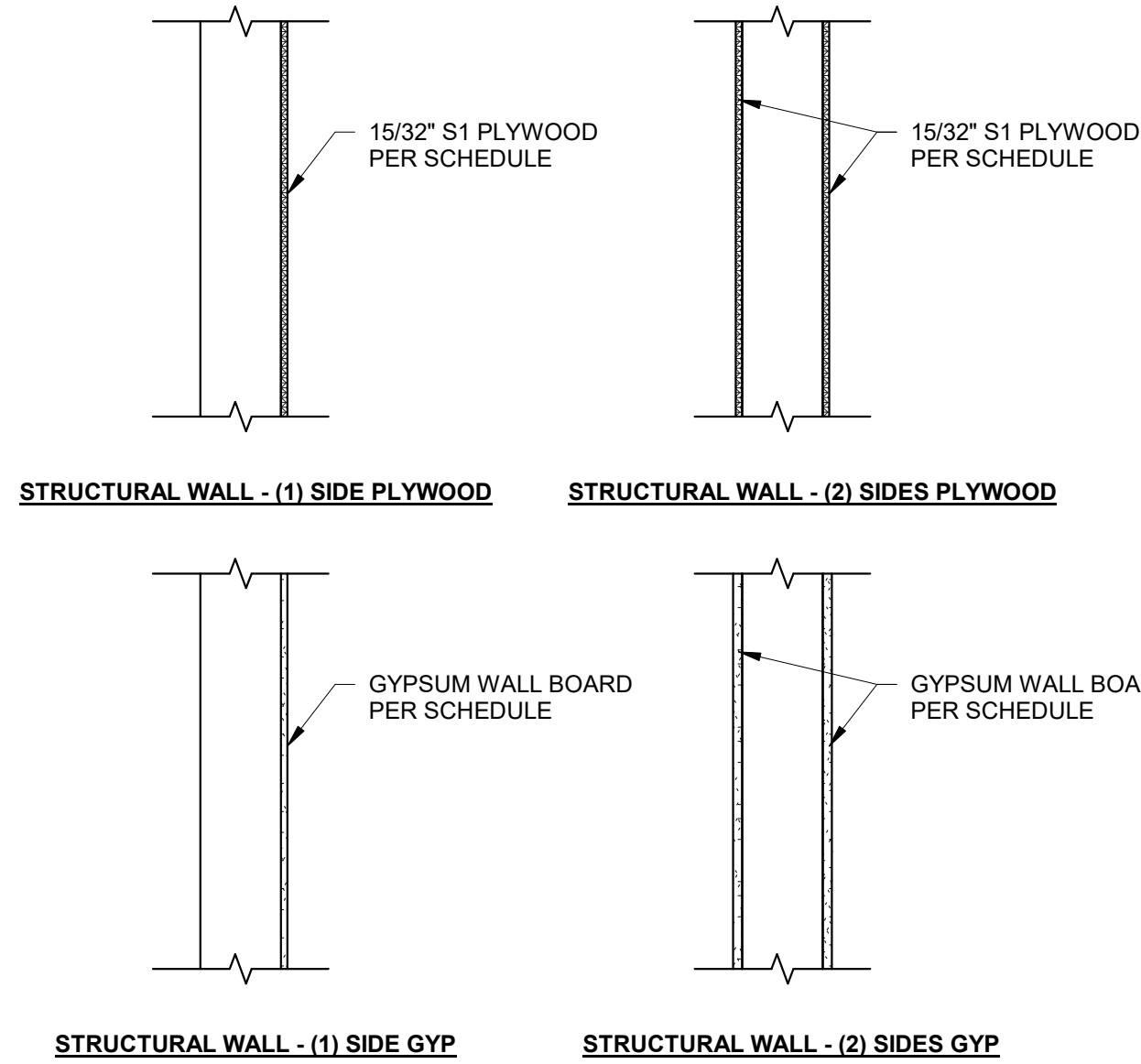
TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST
LEE'S SUMMIT, MO 64064

SHEET TITLE
ROOF DETAILS

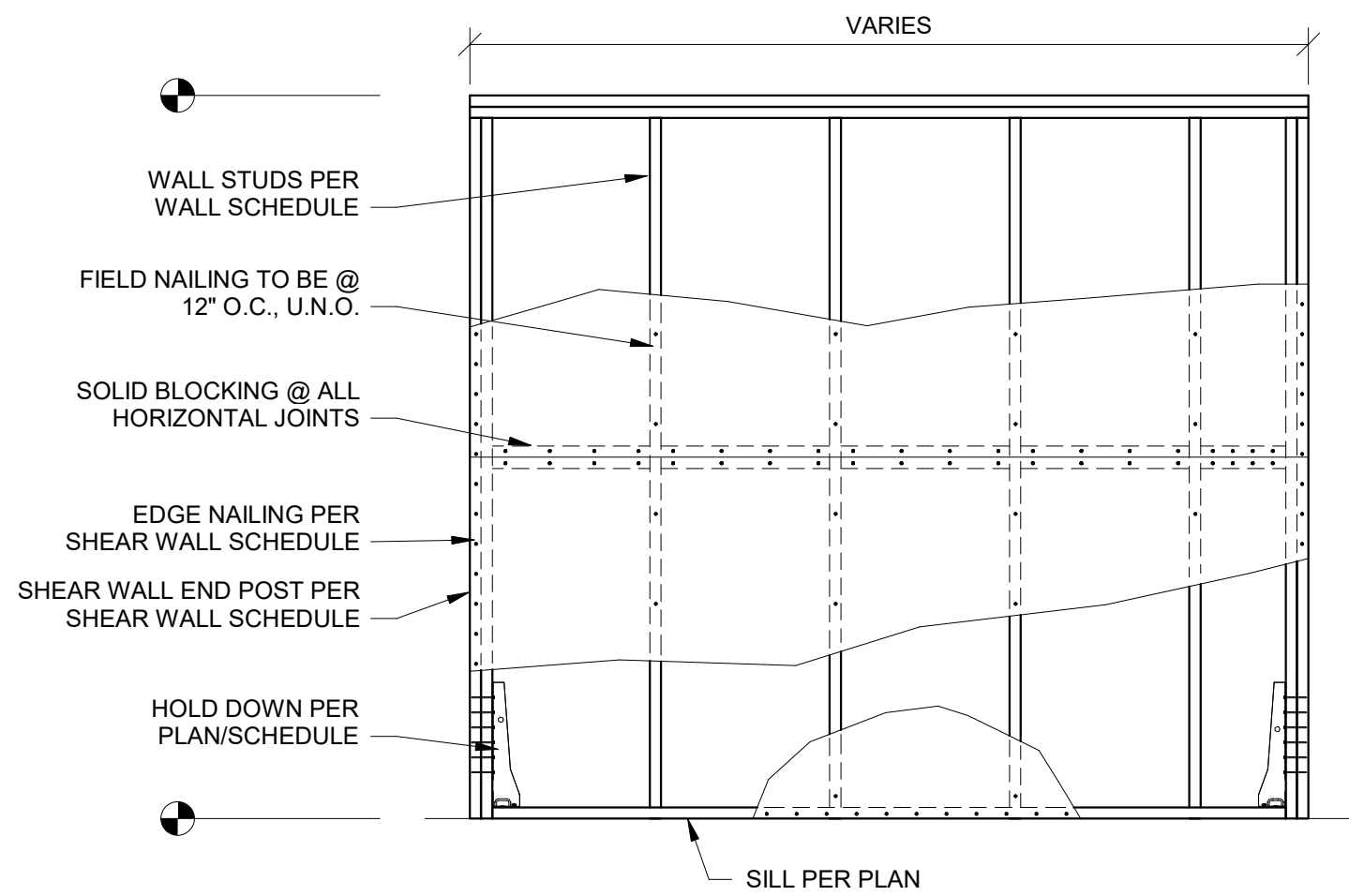
PROJECT NUMBER: 2023000333
SHEET NUMBER:

S520

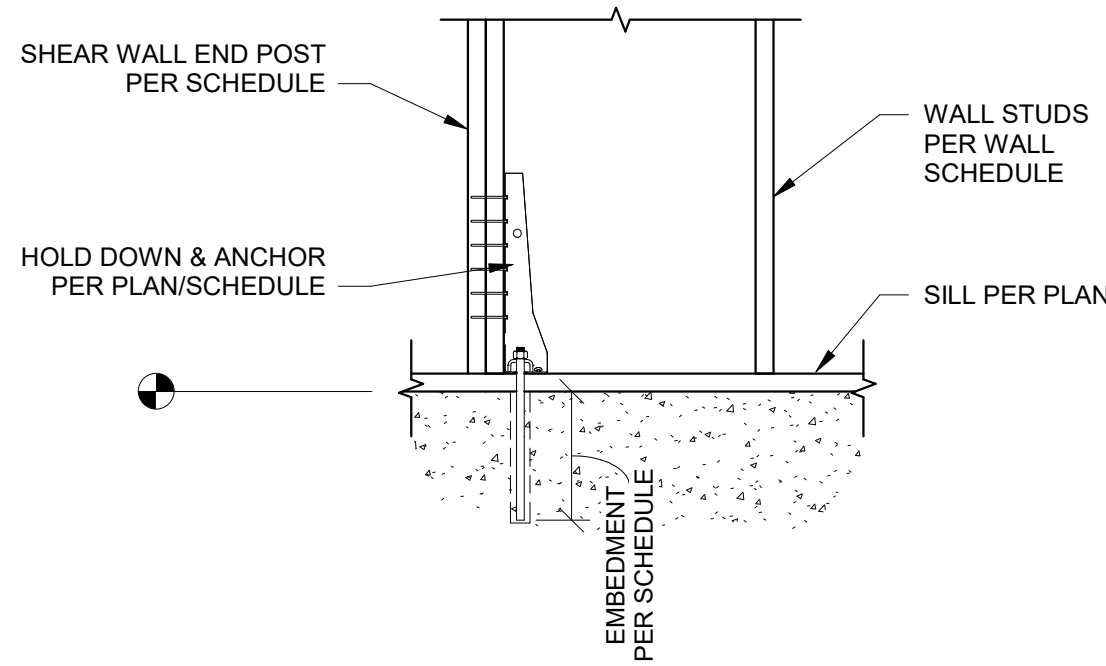
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Audrey Lora 2023000333
Discovery Path Lee's Summit 2023000333
Residential - Towneplace Suites, 10214



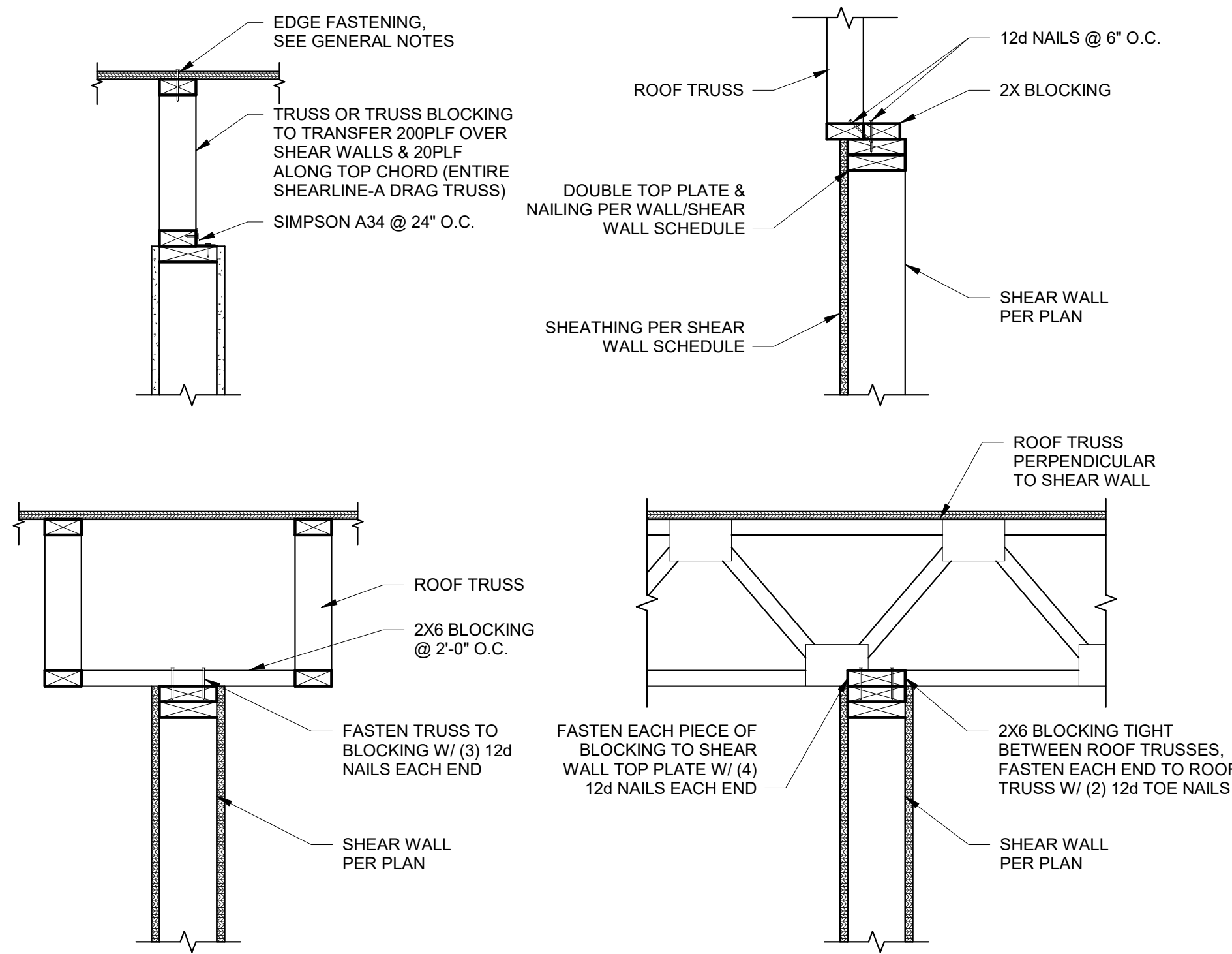
1
S530
TYPICAL SHEARWALL SECTIONS
1" = 1'-0"



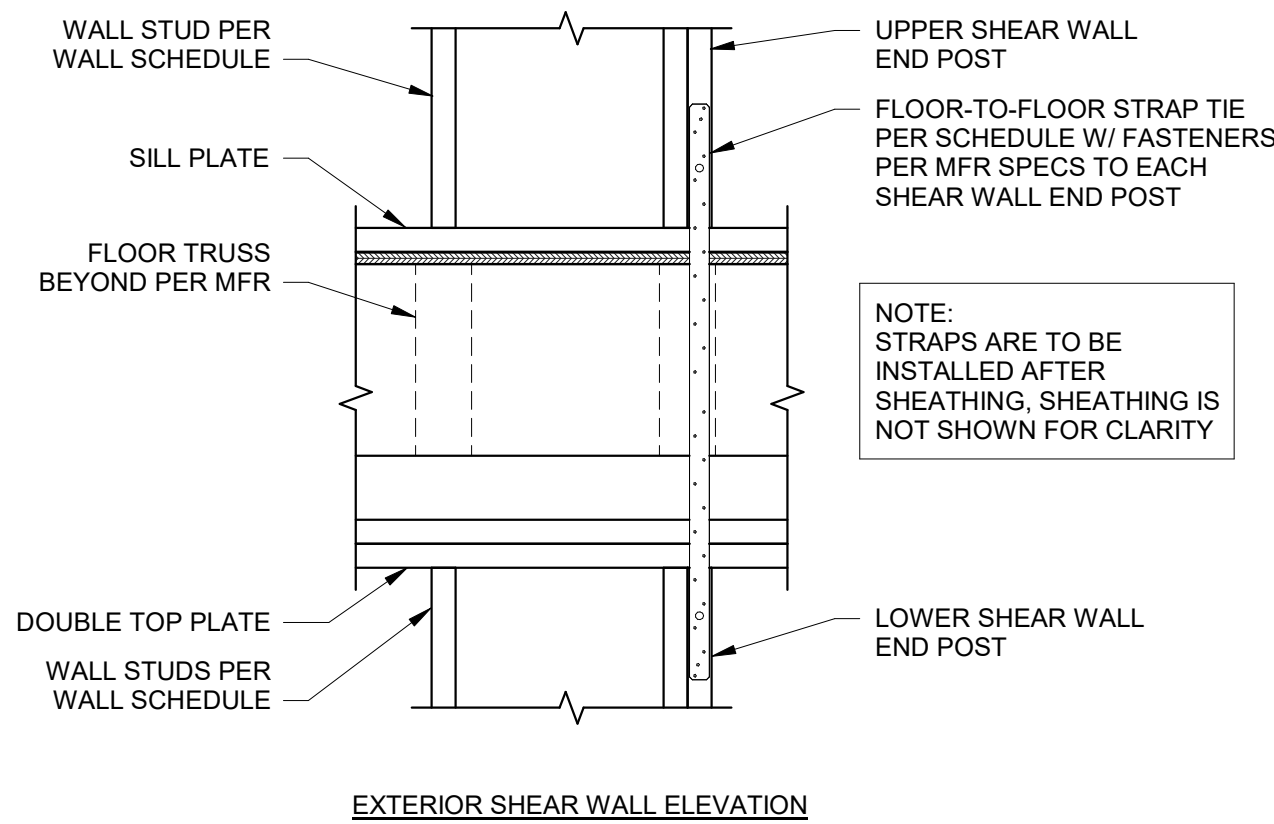
2
S530
SHEARWALL NAILING
1/2" = 1'-0"



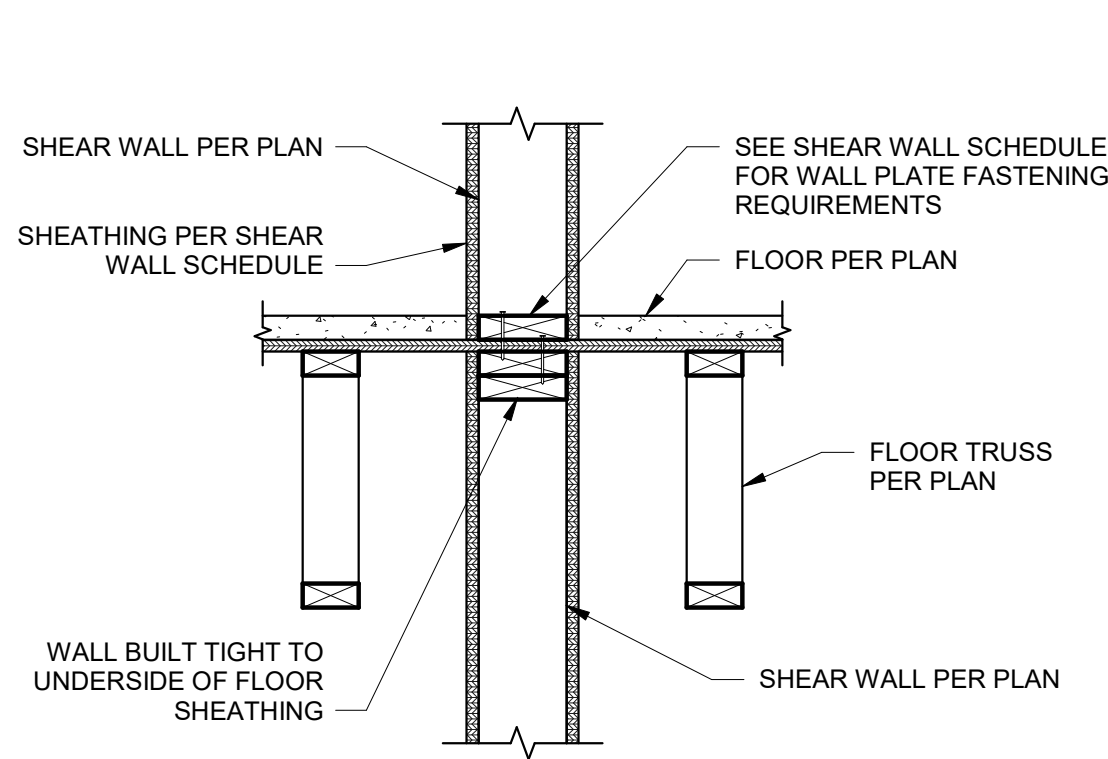
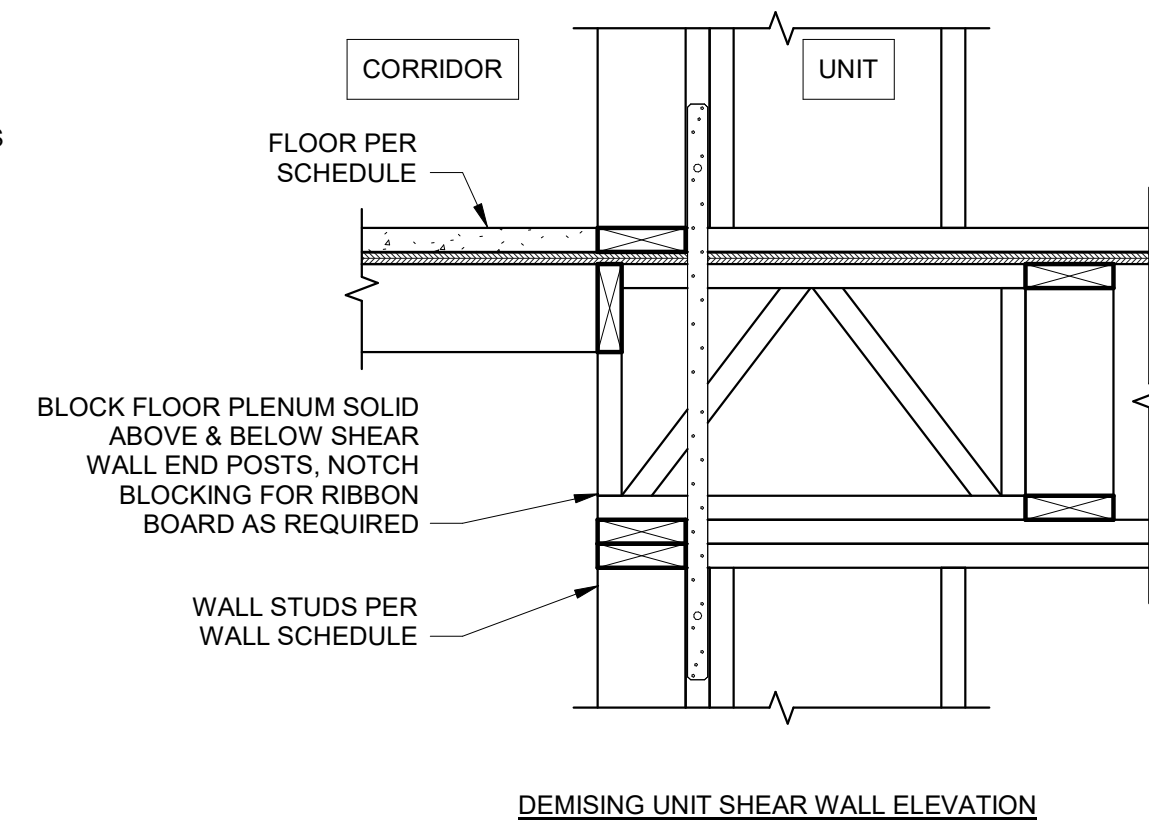
3
S530
SHEARWALL HOLD DOWN
3/4" = 1'-0"



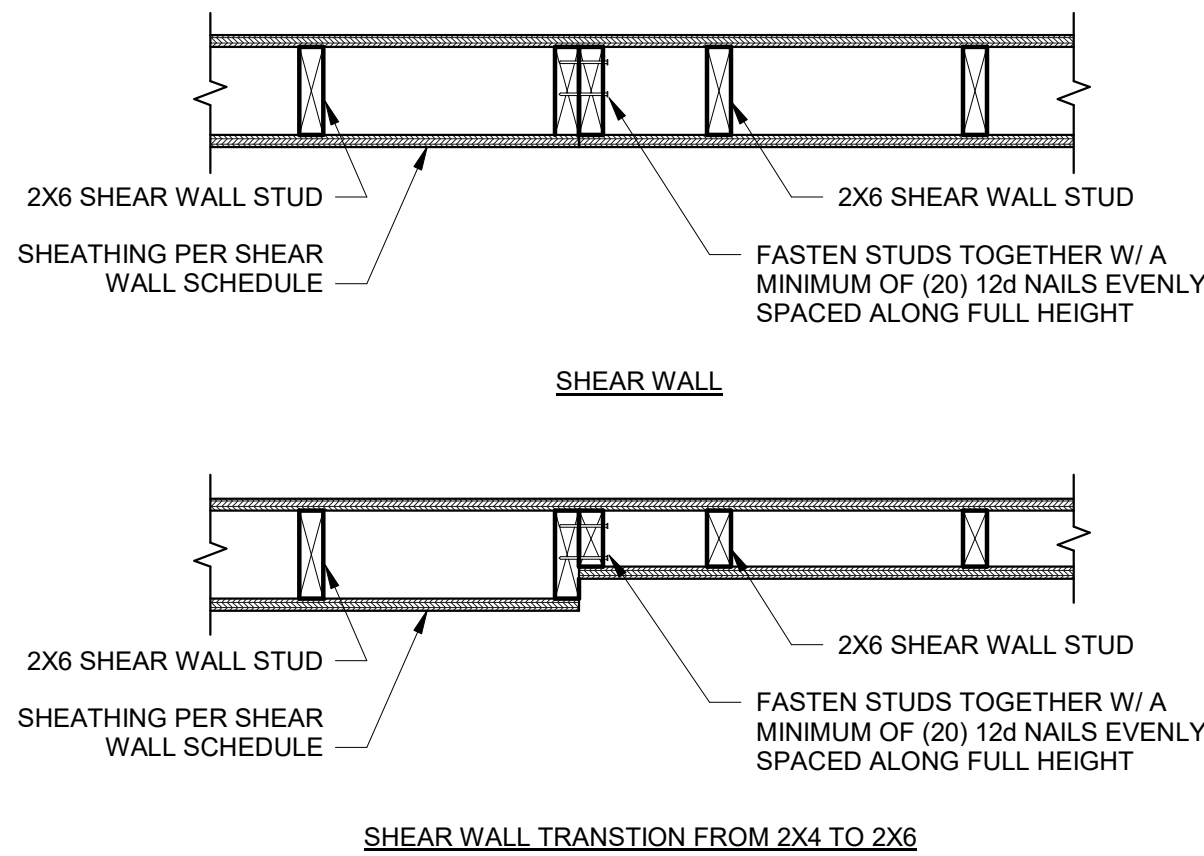
4
S530
ROOF TRUSS AT SHEAR WALL
1" = 1'-0"



5
S530
FLOOR-TO-FLOOR STRAP TIE
1" = 1'-0"



6
S530
SHEAR WALL PARALLEL TO FLOOR TRUSSES
1" = 1'-0"



7
S530
SHEAR WALL STUD DEPTH TRANSITION
1" = 1'-0"

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SHEET TITLE
SHEAR WALL DETAILS

PROJECT NUMBER: 2023000333
SHEET NUMBER:

S530

PLAN LEGEND

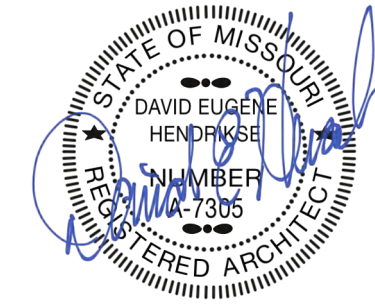
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	NON-RATED PARTITION; SEE ASSEMBLIES
	1 HR RATED PARTITION; SEE ASSEMBLIES
	2 HR RATED PARTITION; SEE ASSEMBLIES
	WINDOW TYPE; SEE WINDOW SCHEDULE
	DOOR TYPE; SEE DOOR SCHEDULE
	PARTITION TYPE; SEE ASSEMBLIES
	FRAMING DIMENSIONS
	LAYOUT LINE DIMENSIONS
	HEARING/VISIBILITY
	ADA/ACCESSIBLE UNITS

KEYNOTE LEGEND

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Kansas City, MO 64108-1404
p: 816.472.1448
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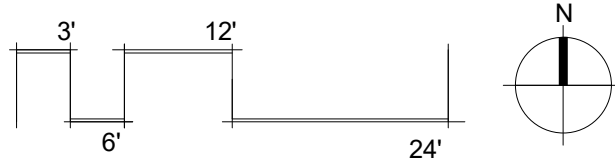
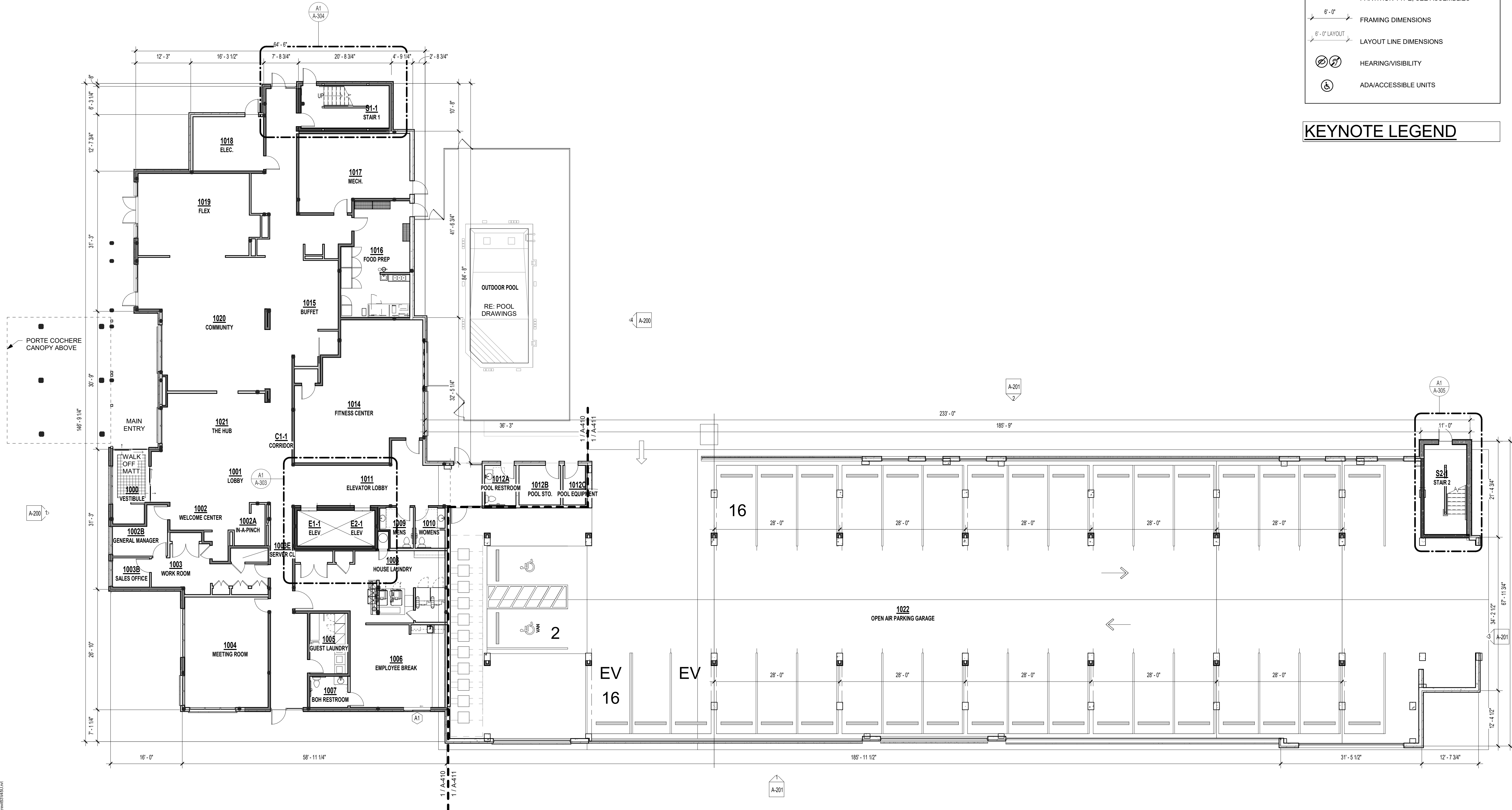
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
FIRST FLOOR PLAN

PROJECT NUMBER: 23098

SHEET NUMBER:

A-101



1 1ST FLOOR PLAN
3/32" = 1'-0"

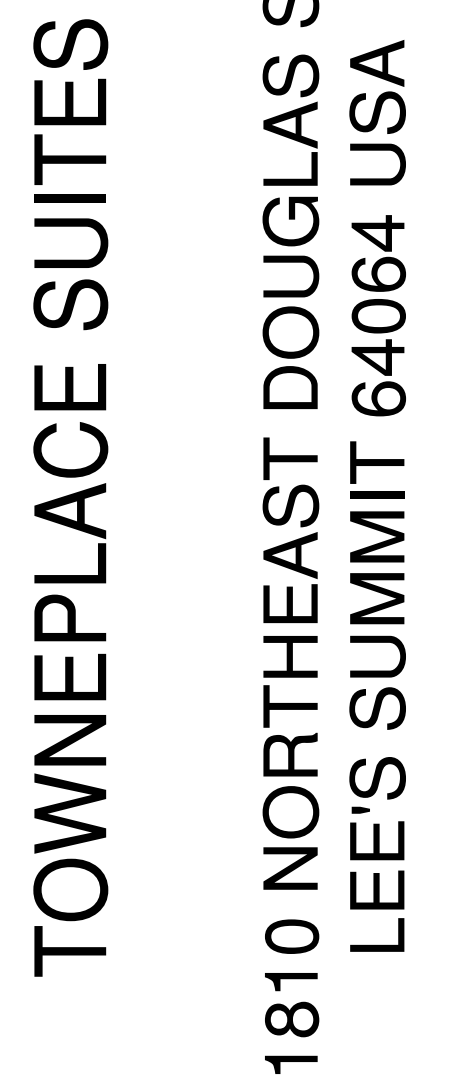
KEYNOTE LEGEND

**rosemann
& ASSOCIATES** P.C.

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INTERIOR DESIGN
ENGINEERING
PLANNING

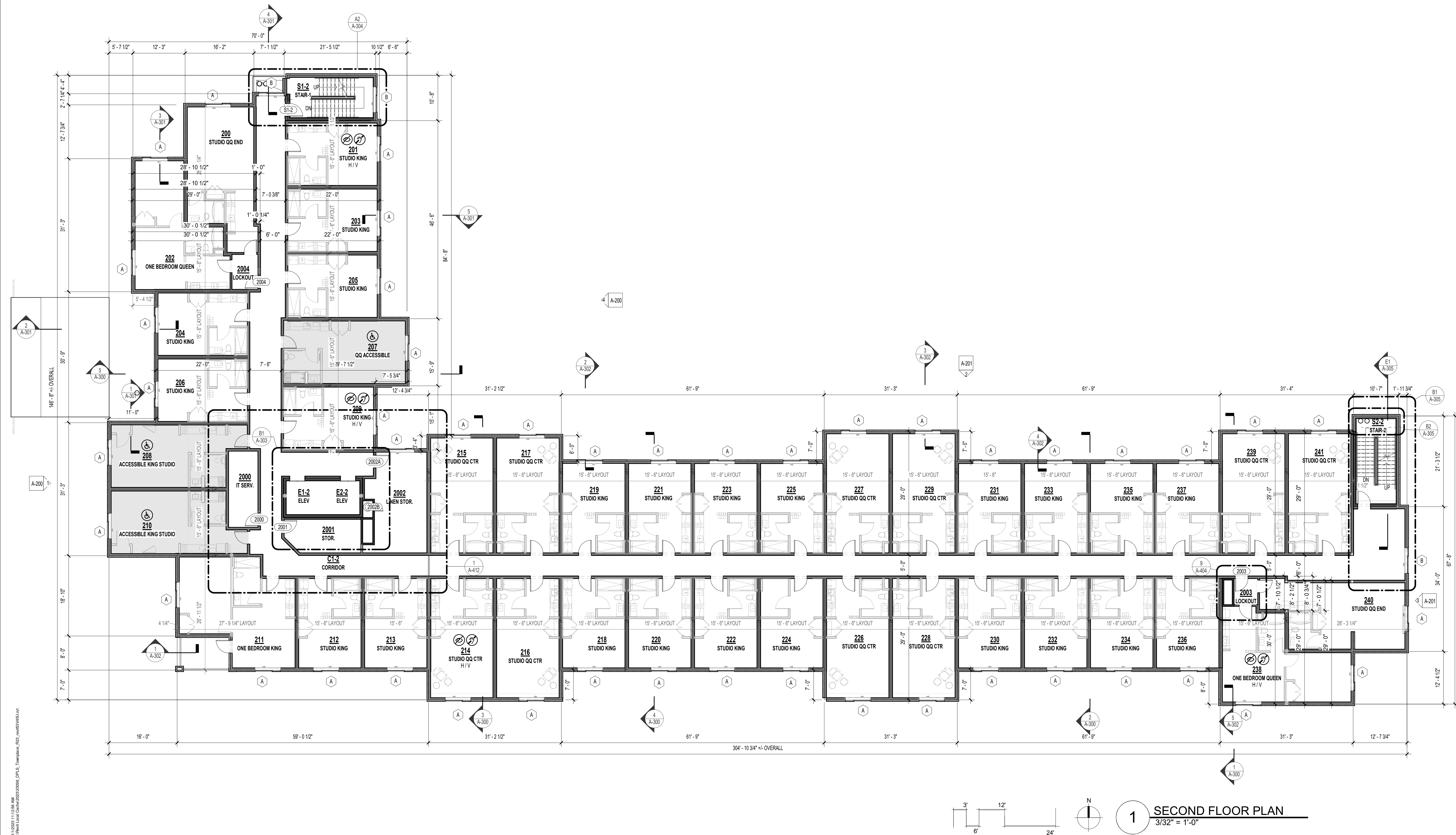
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PROJECT NUMBER: 23098
SHEET NUMBER:

A-102



VERIFY
SHEET #S

REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-101 FOR PLAN LEGEND

KEYNOTE LEGEND

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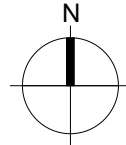
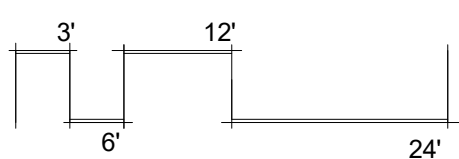
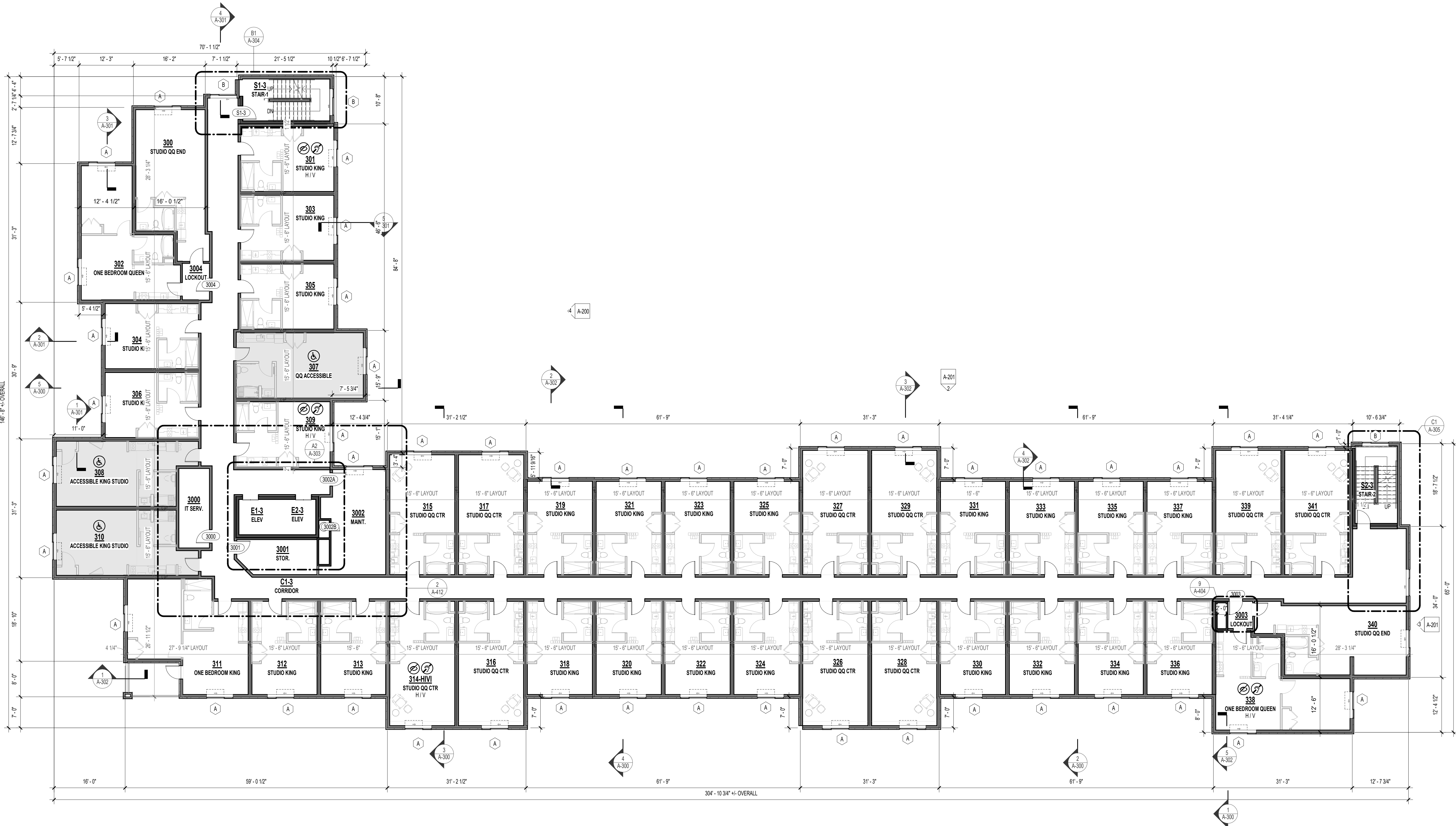
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
THIRD FLOOR PLAN

PROJECT NUMBER: 23098

SHEET NUMBER:

A-103



1

THIRD FLOOR PLAN

3/32" = 1'-0"

VERIFY
SHEET #S

REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-101 FOR PLAN LEGEND

KEYNOTE LEGEND

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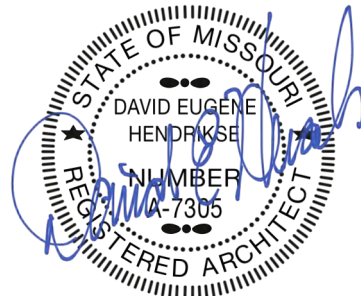


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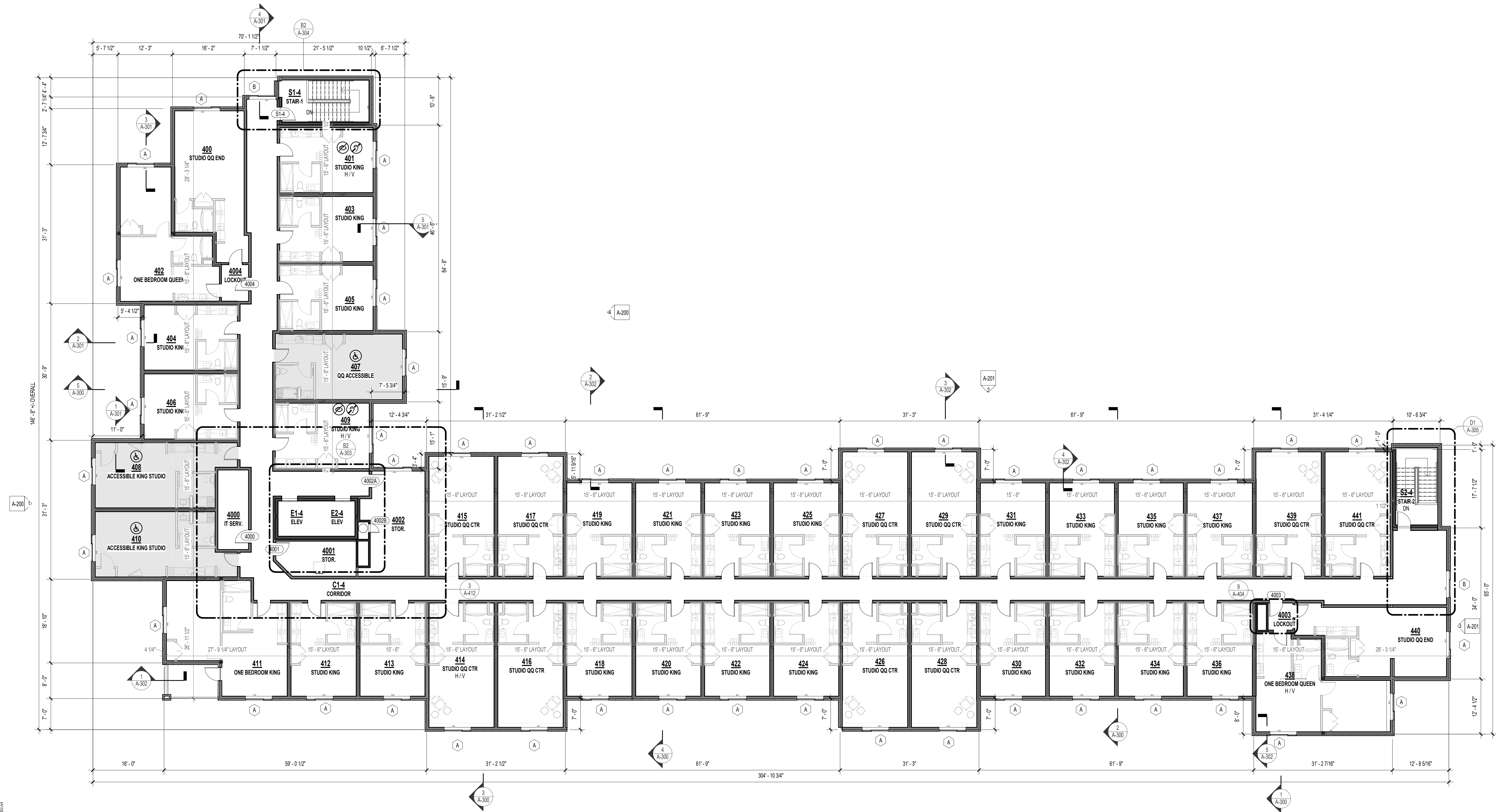
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
FOURTH FLOOR PLAN

PROJECT NUMBER: 23098

SHEET NUMBER:

A-104



Zone A	Zone B	Zone C	Zone D
AREA TO BE VENTED 866 S.F.	AREA TO BE VENTED 1360 S.F.	AREA TO BE VENTED 763 S.F.	AREA TO BE VENTED 915 S.F.
VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300
TOTAL REQUIRED VENTING = (866 S.F. x 144) / 300 = 416 SQ.IN.	TOTAL REQUIRED VENTING = (1360 S.F. x 144) / 300 = 653 SQ.IN.	TOTAL REQUIRED VENTING = (763 S.F. x 144) / 300 = 366 SQ.IN.	TOTAL REQUIRED VENTING = (915 S.F. x 144) / 300 = 439 SQ.IN.
HIGH ROOF VENTING = 416 SQ.IN. x 1 = 416 SQ.IN.	HIGH ROOF VENTING = 653 SQ.IN. x 1 = 653 SQ.IN.	HIGH ROOF VENTING = 366 SQ.IN. x 1 = 366 SQ.IN.	HIGH ROOF VENTING = 439 SQ.IN. x 1 = 439 SQ.IN.
LOW ROOF VENTING = 416 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 653 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 366 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 439 SQ.IN. x 0 = 0 SQ.IN.
HIGH ROOF VENTING 416 SQ.IN. REQUIRED	HIGH ROOF VENTING 653 SQ.IN. REQUIRED	HIGH ROOF VENTING 366 SQ.IN. REQUIRED	HIGH ROOF VENTING 439 SQ.IN. REQUIRED
PROVIDED HIGH ROOF VENTING 508 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 762 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 508 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 508 SQ.IN. PROVIDED
(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA
(1) Exhaust Vent @ 254 NFA = 254 SQ.IN./FT NFA	(2) Exhaust Vent @ 254 NFA = 508 SQ.IN./FT NFA	(1) Exhaust Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Exhaust Vent @ 254 NFA = 254 SQ.IN./FT NFA
TOTAL ROOF VENTING PROVIDED 508 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 762 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 508 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 508 SQ.IN. PROVIDED
Zone E	Zone F	Zone G	Zone H
AREA TO BE VENTED 1228 S.F.	AREA TO BE VENTED 975 S.F.	AREA TO BE VENTED 743 S.F.	AREA TO BE VENTED 815 S.F.
VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300
TOTAL REQUIRED VENTING = (1228 S.F. x 144) / 300 = 589 SQ.IN.	TOTAL REQUIRED VENTING = (975 S.F. x 144) / 300 = 468 SQ.IN.	TOTAL REQUIRED VENTING = (743 S.F. x 144) / 300 = 357 SQ.IN.	TOTAL REQUIRED VENTING = (815 S.F. x 144) / 300 = 391 SQ.IN.
HIGH ROOF VENTING = 589 SQ.IN. x 1 = 589 SQ.IN.	HIGH ROOF VENTING = 468 SQ.IN. x 1 = 468 SQ.IN.	HIGH ROOF VENTING = 357 SQ.IN. x 1 = 357 SQ.IN.	HIGH ROOF VENTING = 391 SQ.IN. x 1 = 391 SQ.IN.
LOW ROOF VENTING = 589 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 468 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 357 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 391 SQ.IN. x 0 = 0 SQ.IN.
HIGH ROOF VENTING 589 SQ.IN. REQUIRED	HIGH ROOF VENTING 468 SQ.IN. REQUIRED	HIGH ROOF VENTING 357 SQ.IN. REQUIRED	HIGH ROOF VENTING 391 SQ.IN. REQUIRED
PROVIDED HIGH ROOF VENTING 762 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 508 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 508 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 508 SQ.IN. PROVIDED
(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA
(2) Exhaust Vent @ 254 NFA = 508 SQ.IN./FT NFA	(1) Exhaust Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Exhaust Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Exhaust Vent @ 254 NFA = 254 SQ.IN./FT NFA
TOTAL ROOF VENTING PROVIDED 762 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 508 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 508 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 508 SQ.IN. PROVIDED
Zone I	Zone J	Zone K	Zone L
AREA TO BE VENTED 849 S.F.	AREA TO BE VENTED 1025 S.F.	AREA TO BE VENTED 665 S.F.	AREA TO BE VENTED 828 S.F.
VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300
TOTAL REQUIRED VENTING = (849 S.F. x 144) / 300 = 408 SQ.IN.	TOTAL REQUIRED VENTING = (1025 S.F. x 144) / 300 = 492 SQ.IN.	TOTAL REQUIRED VENTING = (665 S.F. x 144) / 300 = 319 SQ.IN.	TOTAL REQUIRED VENTING = (828 S.F. x 144) / 300 = 397 SQ.IN.
HIGH ROOF VENTING = 408 SQ.IN. x 1 = 408 SQ.IN.	HIGH ROOF VENTING = 492 SQ.IN. x 1 = 492 SQ.IN.	HIGH ROOF VENTING = 319 SQ.IN. x 1 = 319 SQ.IN.	HIGH ROOF VENTING = 397 SQ.IN. x 1 = 397 SQ.IN.
LOW ROOF VENTING = 408 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 492 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 319 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 397 SQ.IN. x 0 = 0 SQ.IN.
HIGH ROOF VENTING 408 SQ.IN. REQUIRED	HIGH ROOF VENTING 492 SQ.IN. REQUIRED	HIGH ROOF VENTING 319 SQ.IN. REQUIRED	HIGH ROOF VENTING 397 SQ.IN. REQUIRED
PROVIDED HIGH ROOF VENTING 508 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 508 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 508 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 508 SQ.IN. PROVIDED
(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA
(1) Exhaust Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Exhaust Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Exhaust Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Exhaust Vent @ 254 NFA = 254 SQ.IN./FT NFA
TOTAL ROOF VENTING PROVIDED 508 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 508 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 508 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 508 SQ.IN. PROVIDED
Zone M	Zone N	Zone O	Zone P
AREA TO BE VENTED 660 S.F.	AREA TO BE VENTED 871 S.F.	AREA TO BE VENTED 1042 S.F.	AREA TO BE VENTED 1215 S.F.
VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300
TOTAL REQUIRED VENTING = (660 S.F. x 144) / 300 = 317 SQ.IN.	TOTAL REQUIRED VENTING = (871 S.F. x 144) / 300 = 418 SQ.IN.	TOTAL REQUIRED VENTING = (1042 S.F. x 144) / 300 = 500 SQ.IN.	TOTAL REQUIRED VENTING = (1215 S.F. x 144) / 300 = 583 SQ.IN.
HIGH ROOF VENTING = 317 SQ.IN. x 1 = 317 SQ.IN.	HIGH ROOF VENTING = 418 SQ.IN. x 1 = 418 SQ.IN.	HIGH ROOF VENTING = 500 SQ.IN. x 1 = 500 SQ.IN.	HIGH ROOF VENTING = 583 SQ.IN. x 1 = 583 SQ.IN.
LOW ROOF VENTING = 317 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 418 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 500 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 583 SQ.IN. x 0 = 0 SQ.IN.
HIGH ROOF VENTING 317 SQ.IN. REQUIRED	HIGH ROOF VENTING 418 SQ.IN. REQUIRED	HIGH ROOF VENTING 500 SQ.IN. REQUIRED	HIGH ROOF VENTING 583 SQ.IN. REQUIRED
PROVIDED HIGH ROOF VENTING 508 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 508 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 762 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 762 SQ.IN. PROVIDED
(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Intake Vent @ 254 NFA = 254 SQ.IN./FT NFA
(1) Exhaust Vent @ 254 NFA = 254 SQ.IN./FT NFA	(1) Exhaust Vent @ 254 NFA = 254 SQ.IN./FT NFA	(2) Exhaust Vent @ 254 NFA = 508 SQ.IN./FT NFA	(2) Exhaust Vent @ 254 NFA = 508 SQ.IN./FT NFA
TOTAL ROOF VENTING PROVIDED 508 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 508 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 762 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 762 SQ.IN. PROVIDED
Zone Q	Zone R	Zone S	Zone T
AREA TO BE VENTED 1345 S.F.	AREA TO BE VENTED 1042 S.F.	AREA TO BE VENTED 1042 S.F.	AREA TO BE VENTED 1042 S.F.
VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300	VENTING CALCULATION FACTOR PER IBC 300
TOTAL REQUIRED VENTING = (1345 S.F. x 144) / 300 = 646 SQ.IN.	TOTAL REQUIRED VENTING = (1042 S.F. x 144) / 300 = 500 SQ.IN.	TOTAL REQUIRED VENTING = (1042 S.F. x 144) / 300 = 500 SQ.IN.	TOTAL REQUIRED VENTING = (1042 S.F. x 144) / 300 = 500 SQ.IN.
HIGH ROOF VENTING = 646 SQ.IN. x 1 = 646 SQ.IN.	HIGH ROOF VENTING = 500 SQ.IN. x 1 = 500 SQ.IN.	HIGH ROOF VENTING = 500 SQ.IN. x 1 = 500 SQ.IN.	HIGH ROOF VENTING = 500 SQ.IN. x 1 = 500 SQ.IN.
LOW ROOF VENTING = 646 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 500 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 500 SQ.IN. x 0 = 0 SQ.IN.	LOW ROOF VENTING = 500 SQ.IN. x 0 = 0 SQ.IN.
HIGH ROOF VENTING 646 SQ.IN. REQUIRED	HIGH ROOF VENTING 500 SQ.IN. REQUIRED	HIGH ROOF VENTING 500 SQ.IN. REQUIRED	HIGH ROOF VENTING 500 SQ.IN. REQUIRED
PROVIDED HIGH ROOF VENTING 762 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 762 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 762 SQ.IN. PROVIDED	PROVIDED HIGH ROOF VENTING 762 SQ.IN. PROVIDED
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TOTAL ROOF VENTING PROVIDED 762 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 762 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 762 SQ.IN. PROVIDED	TOTAL ROOF VENTING PROVIDED 762 SQ.IN. PROVIDED

REFERENCE G-003 FOR GENERAL NOTES

ROOF PLAN LEGEND

- INTAKE VENTS
- EXHAUST VENTS

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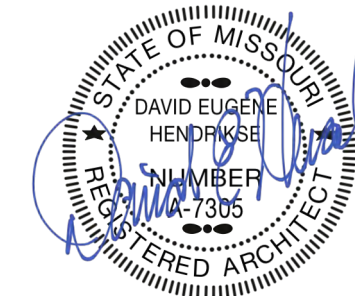
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TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
ROOF PLAN

PROJECT NUMBER: 23098

SHEET NUMBER:

A-105

NOTE: DETAILS PROVIDED FOR REFERENCE ONLY.
FOLLOW MANUF. RECOMMENDED DETAILS FOR
FLASHING/PENETRATION/SEALING DETAILS, TYP.

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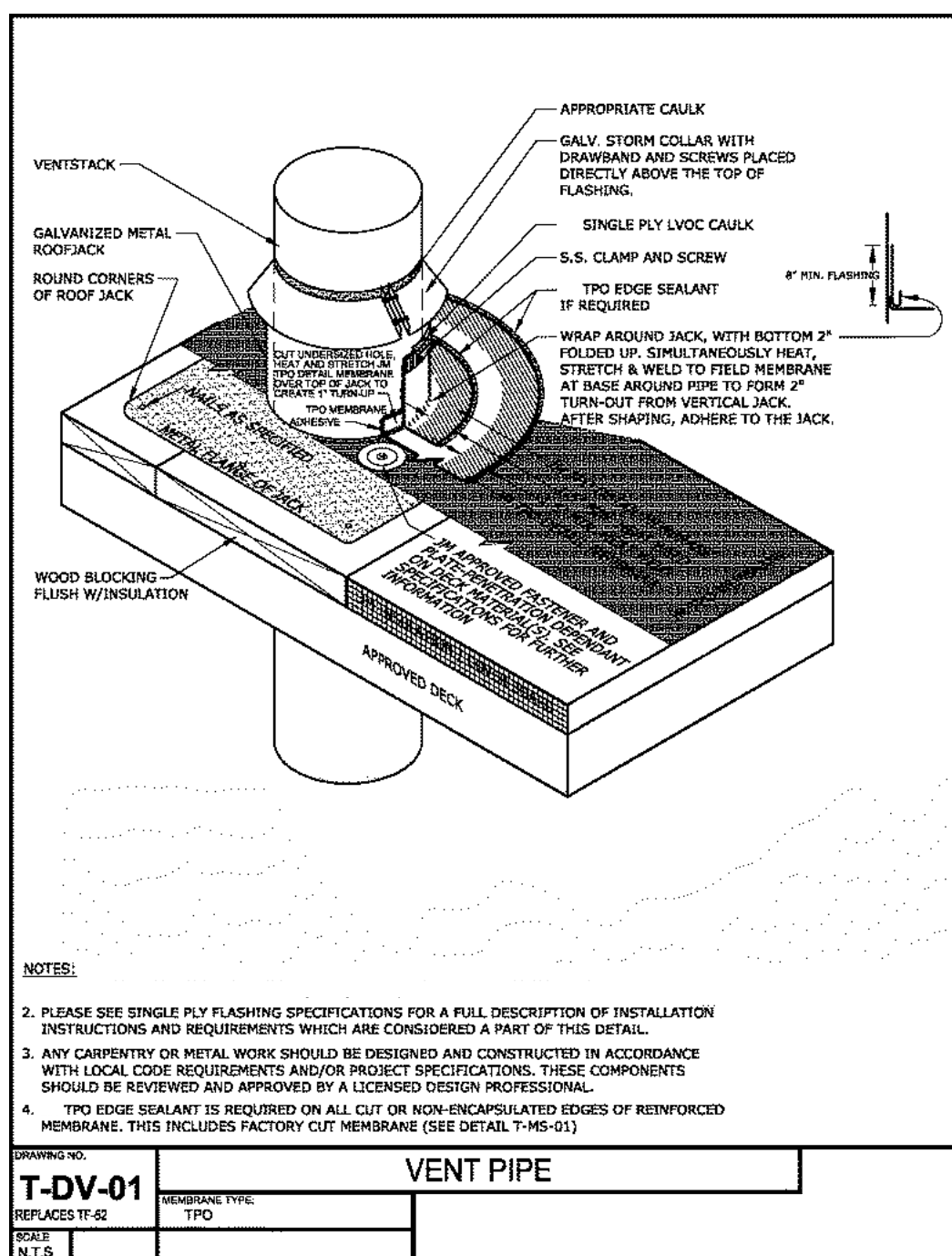
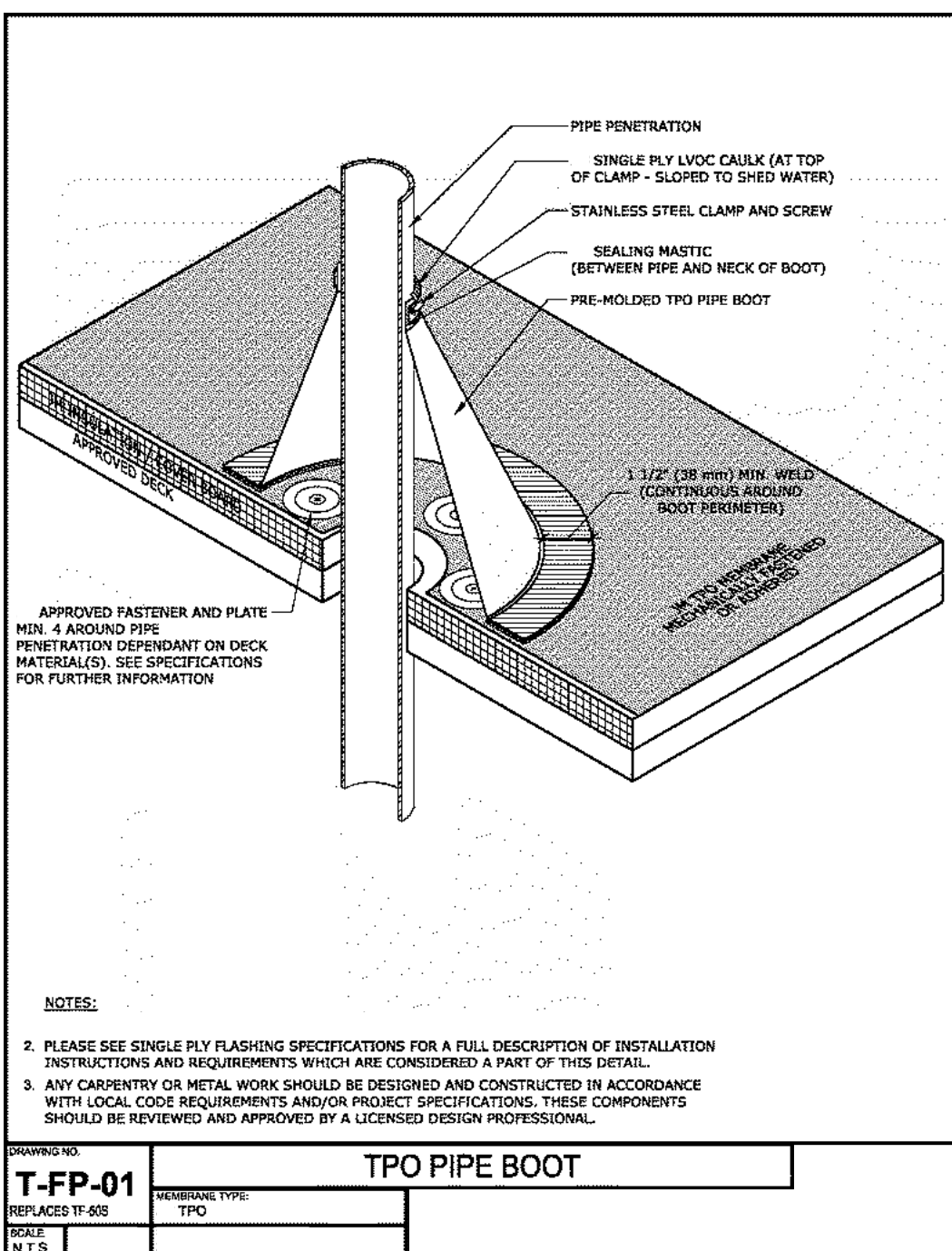
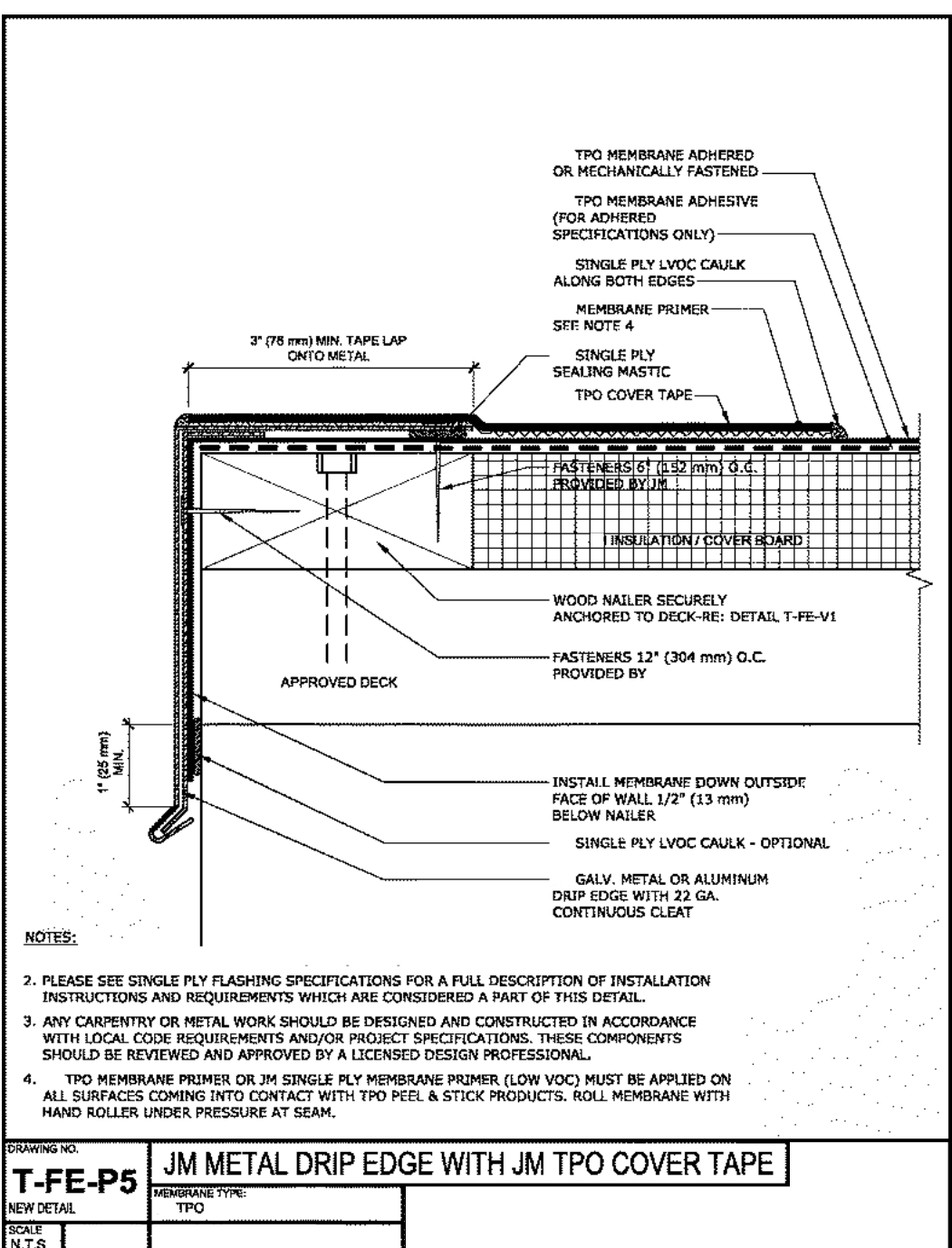
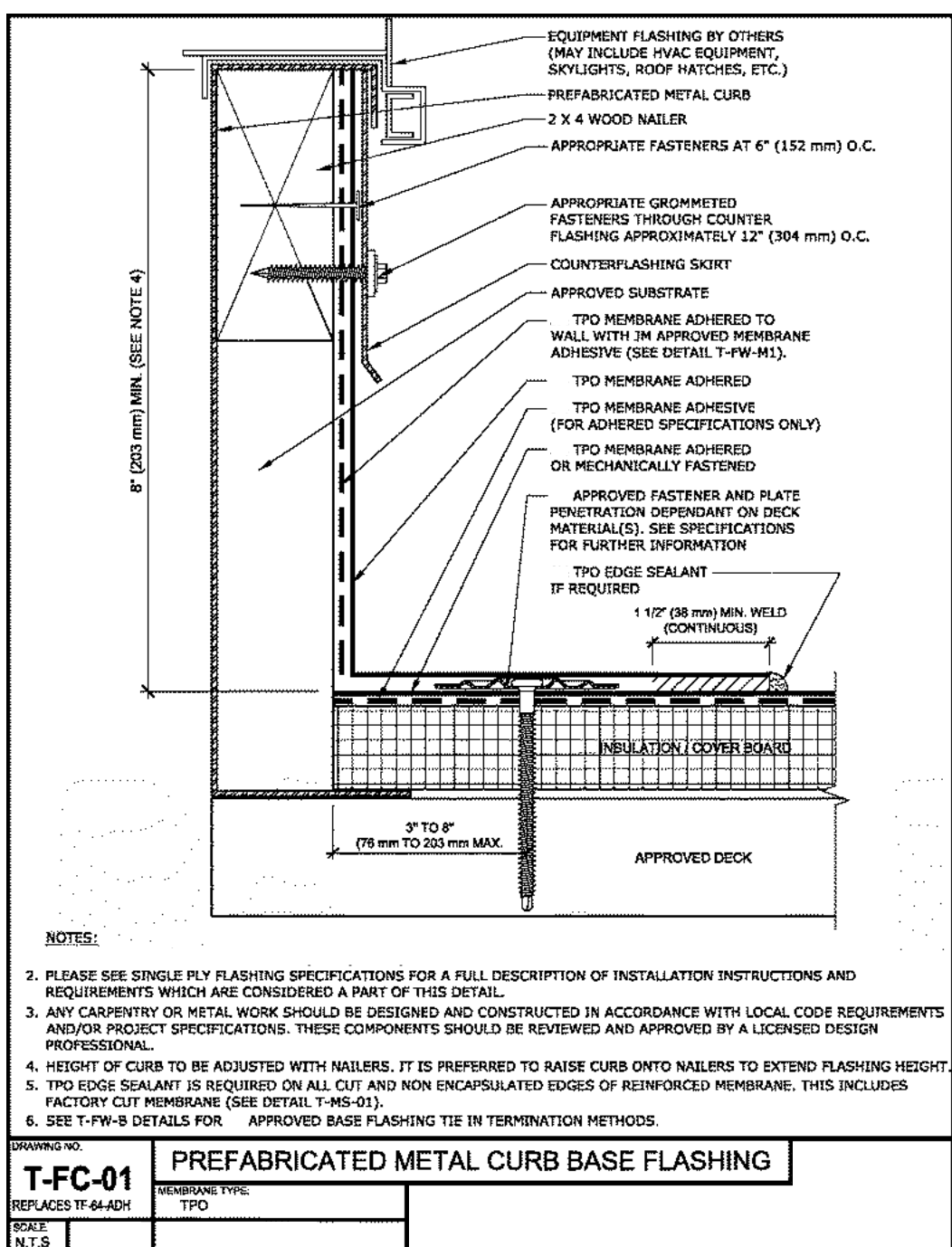
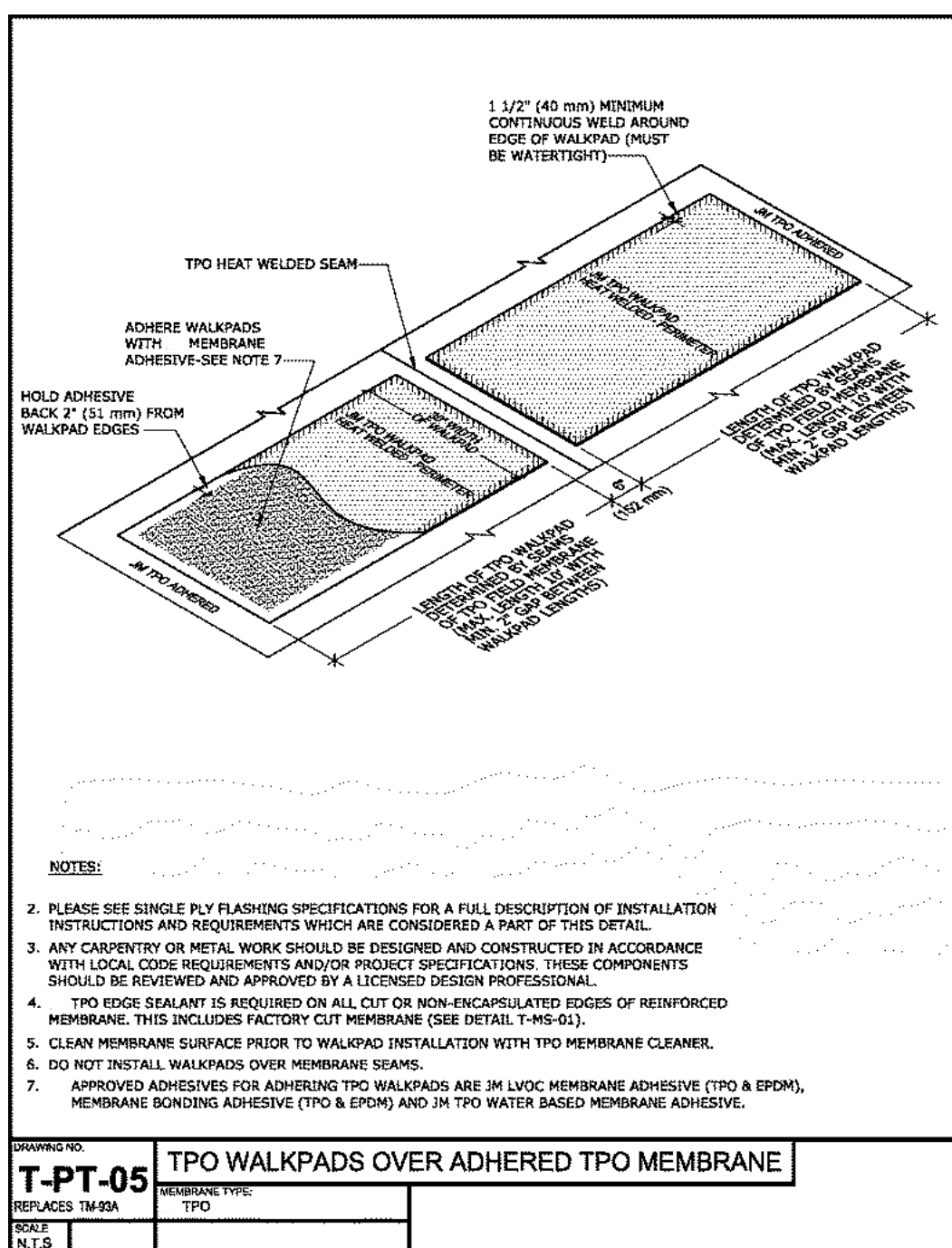
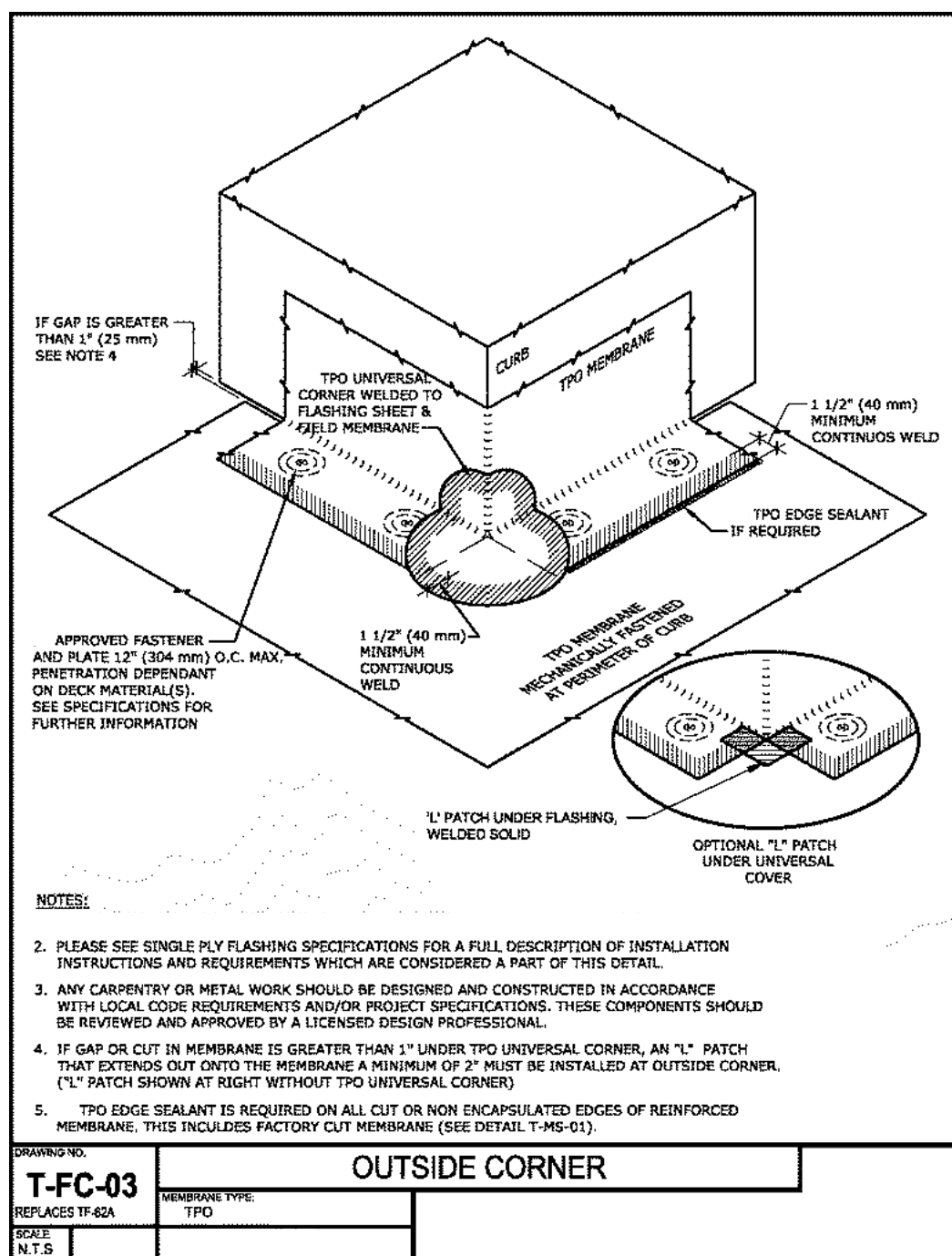
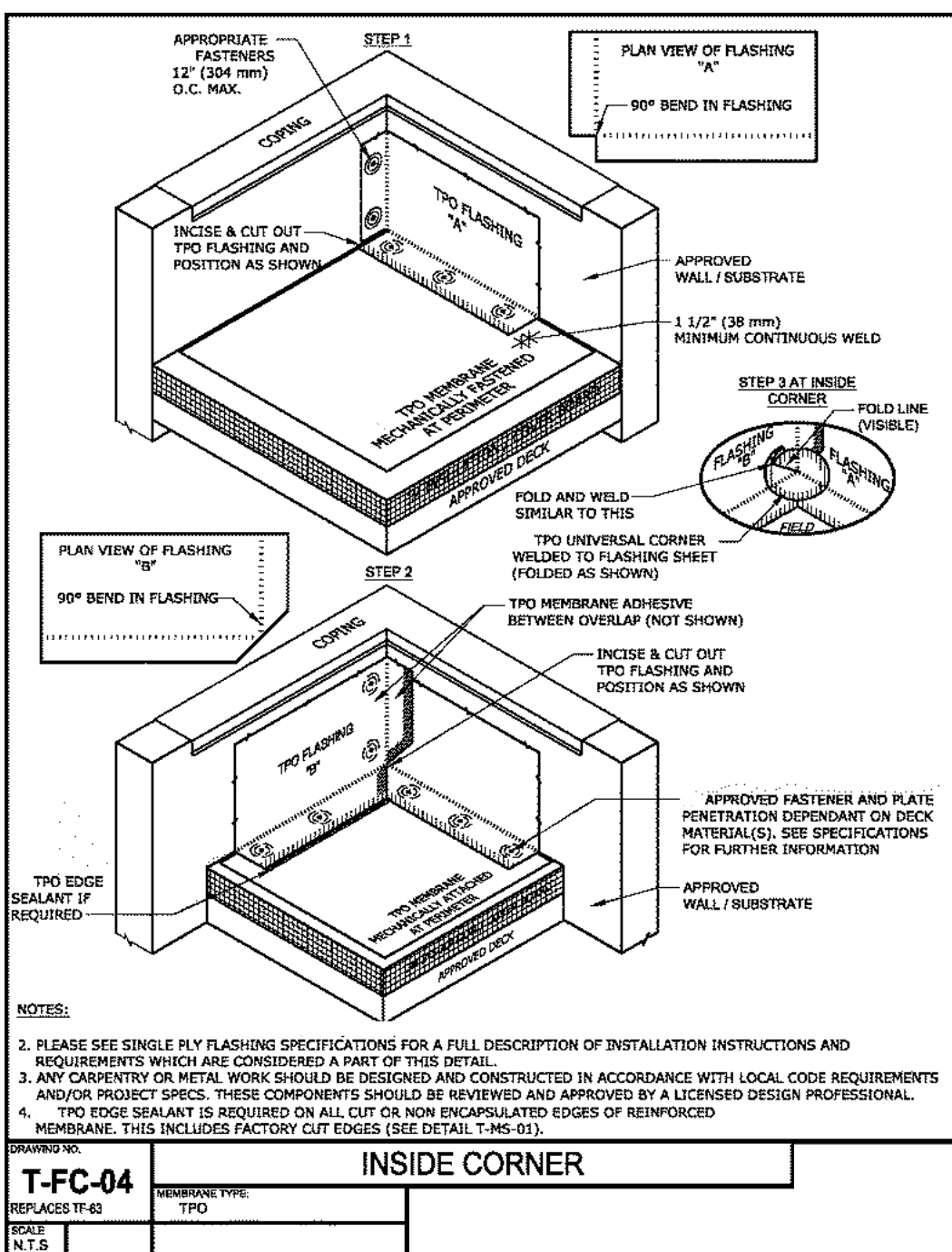
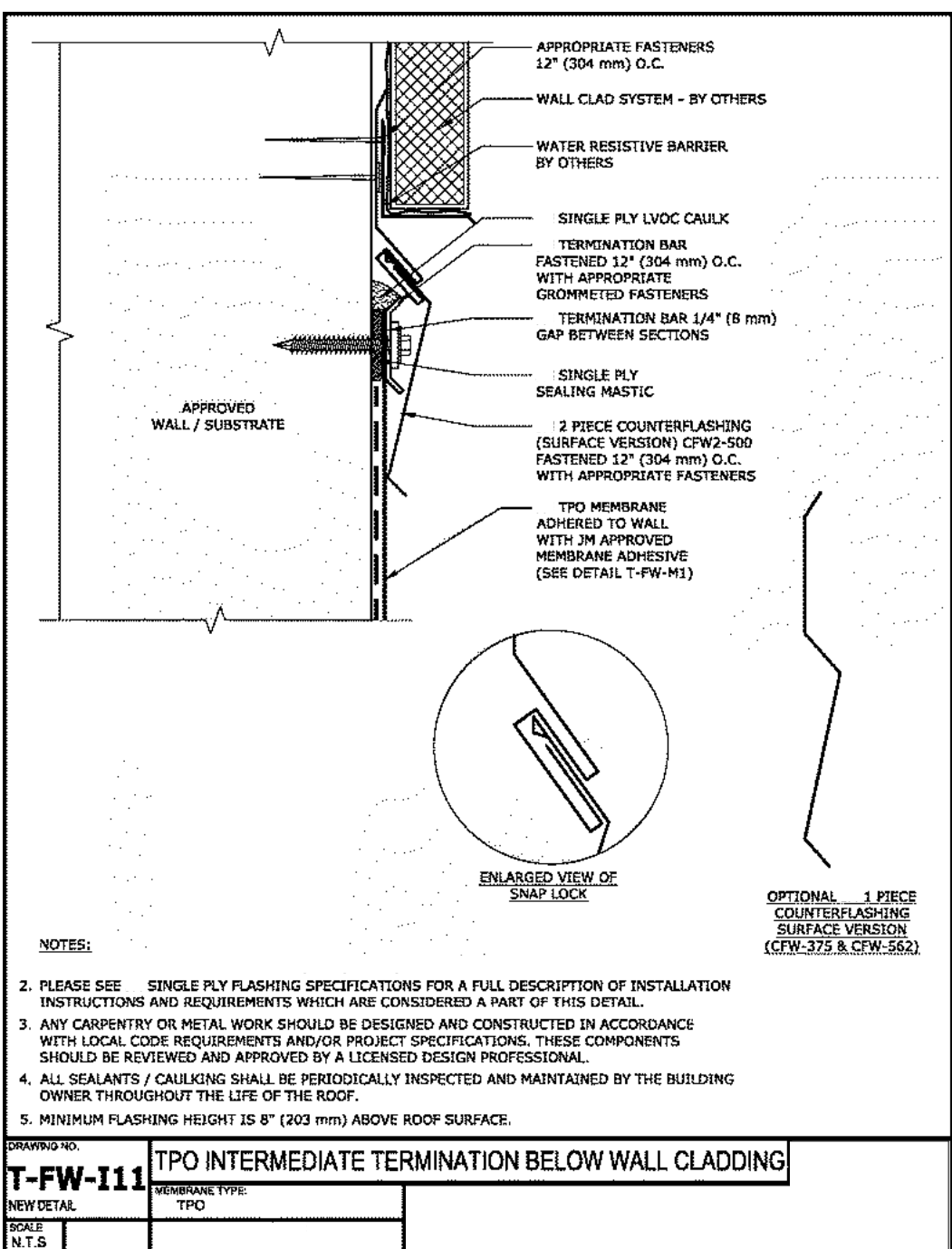
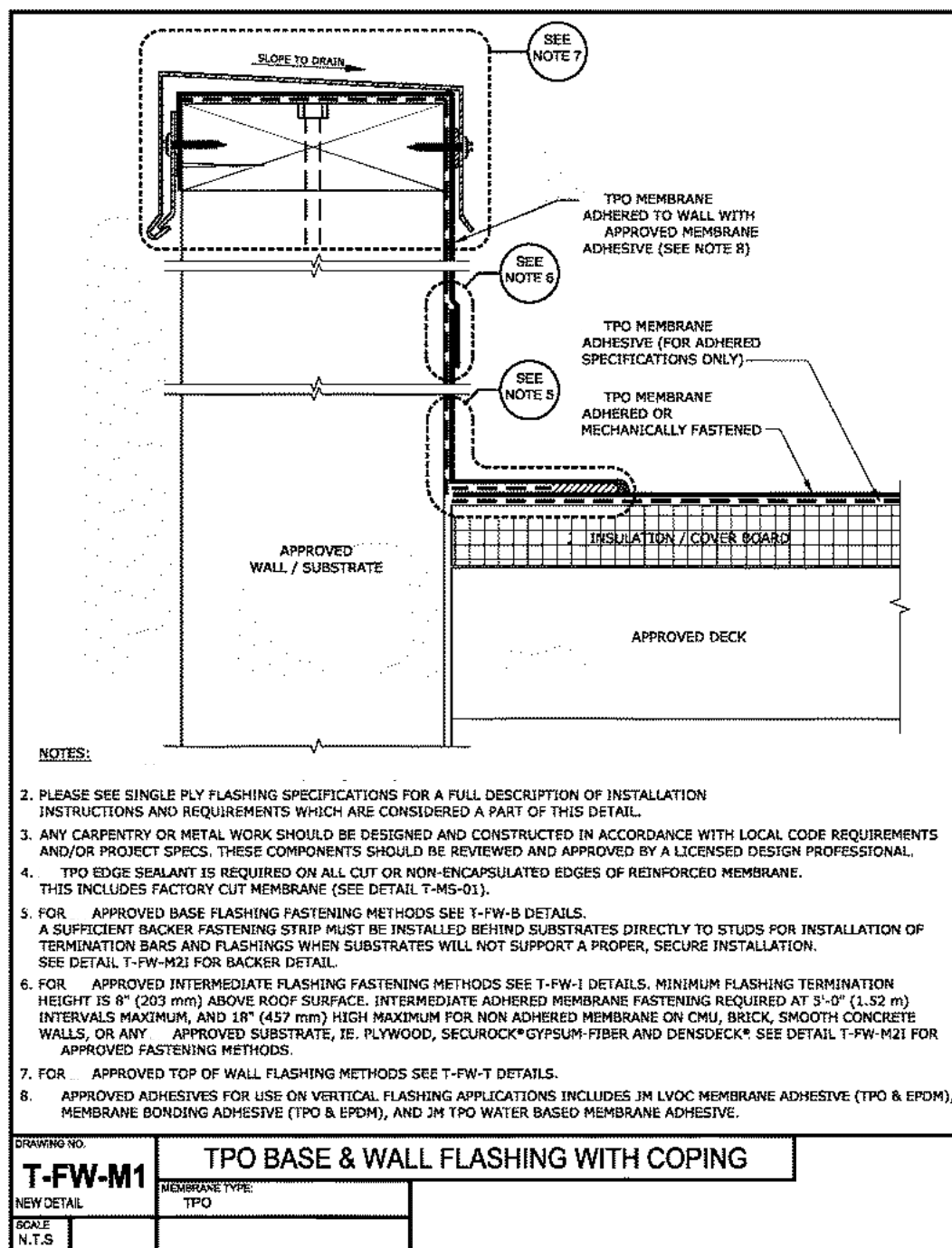
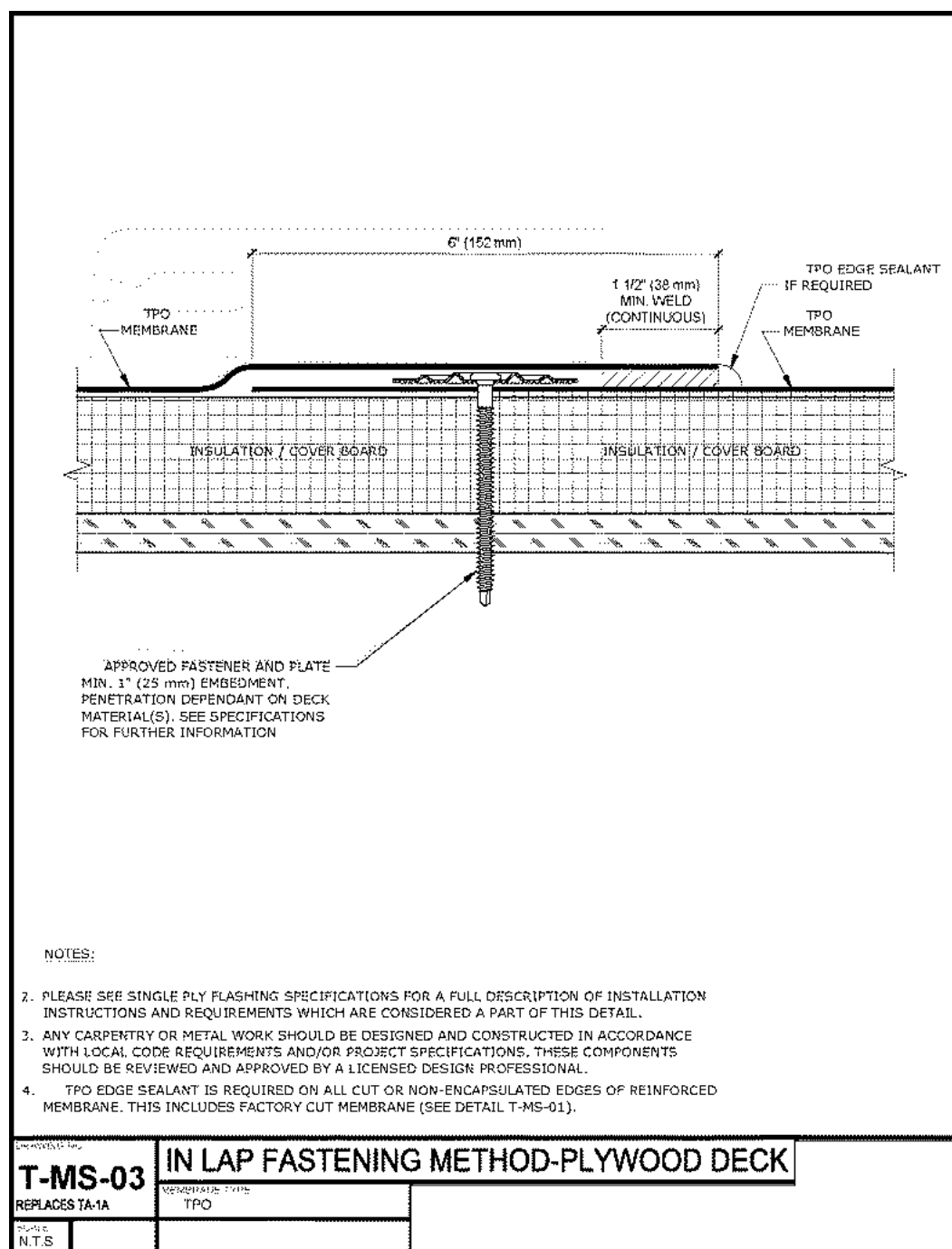
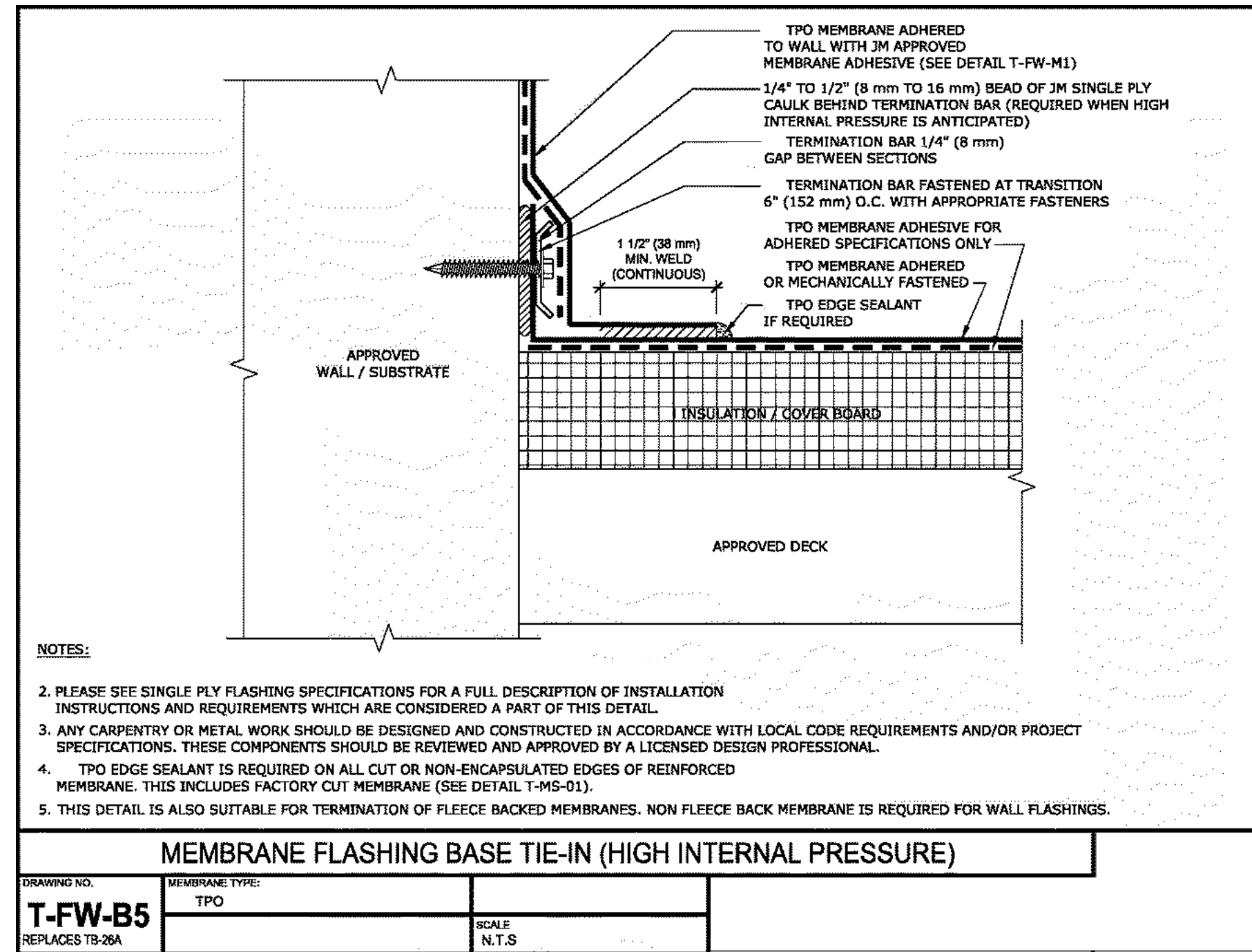
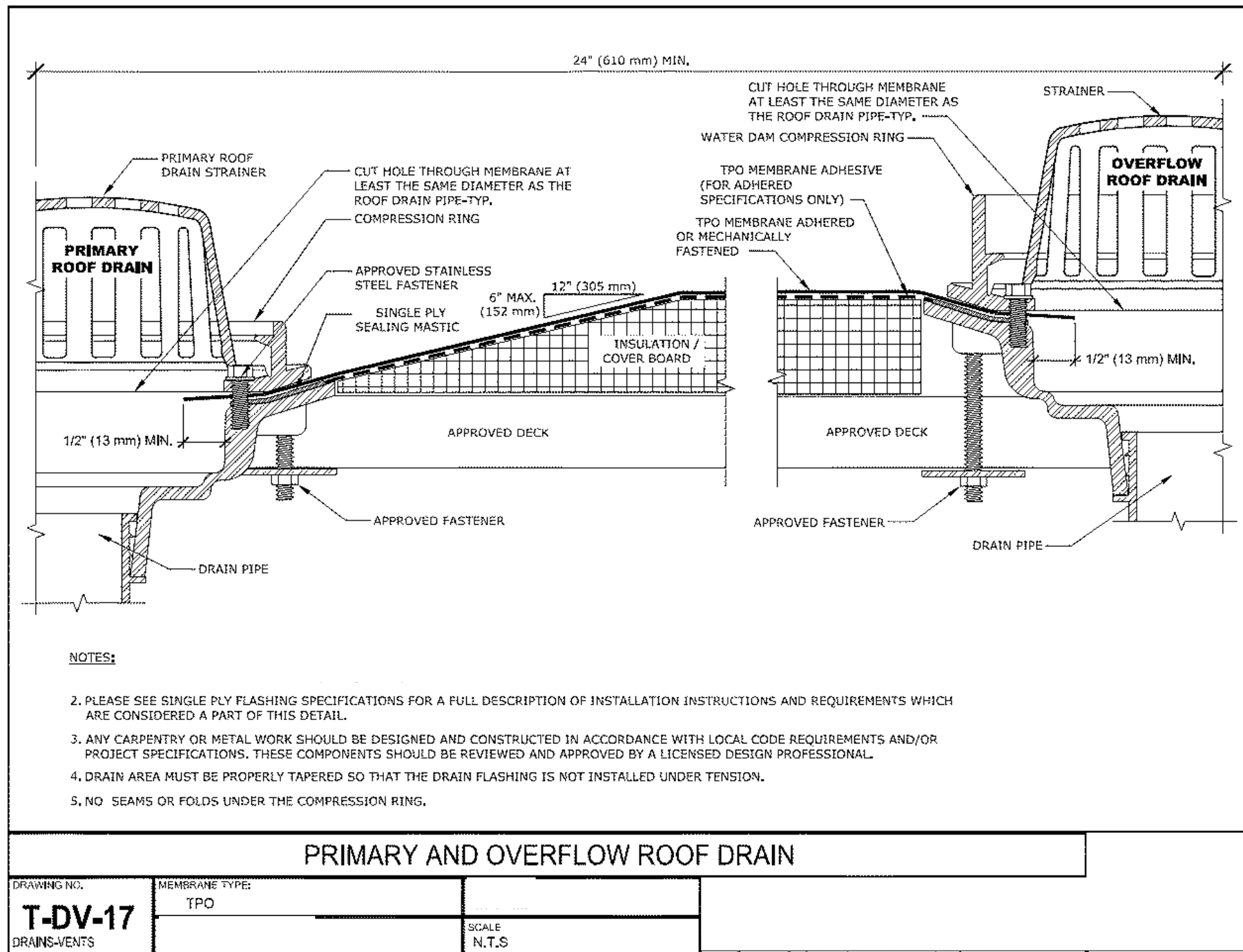
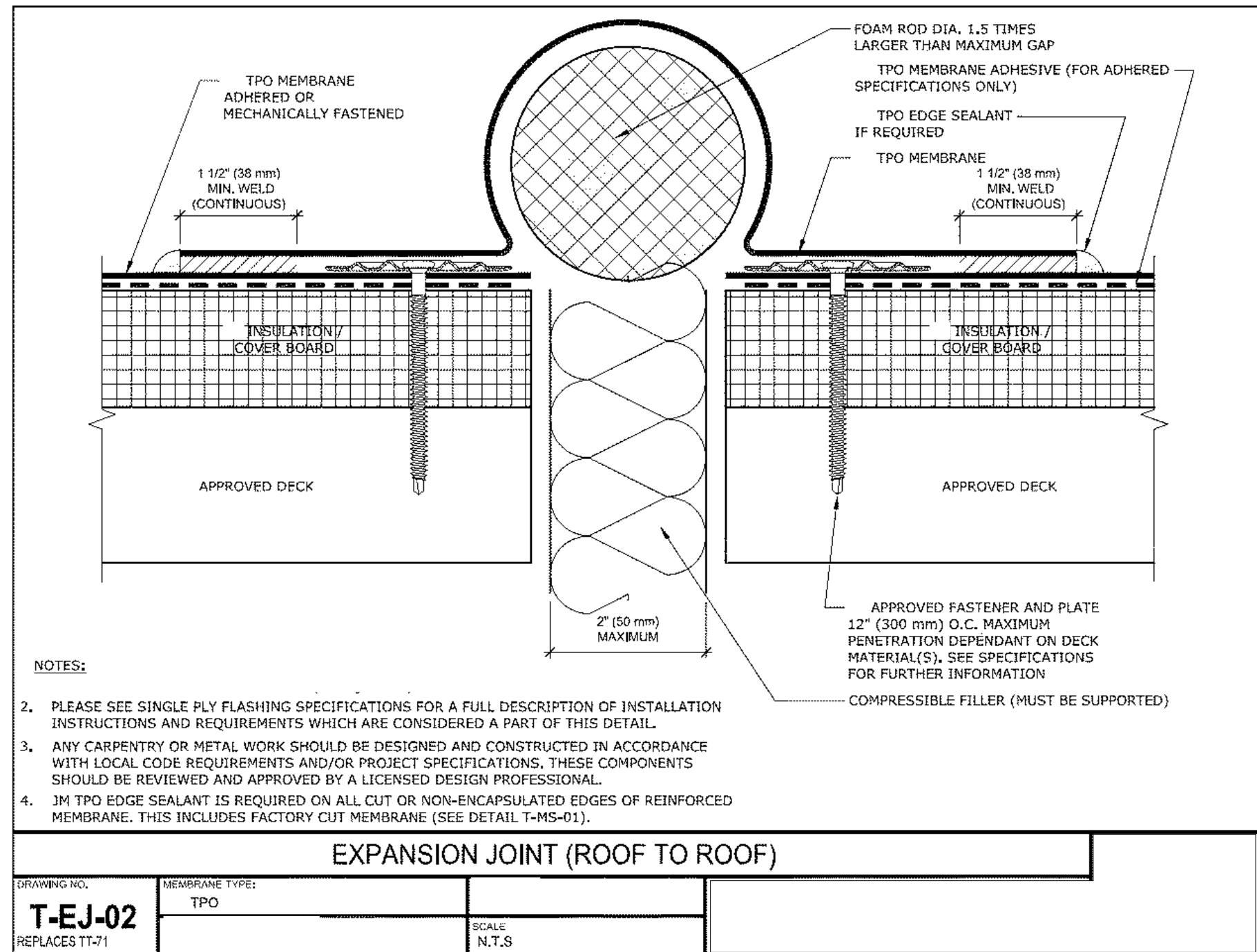
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LEE'S SUMMIT 64064 USA

SHEET TITLE
ROOFING & FLASHING DETAILS

PROJECT NUMBER: 23098

SHEET NUMBER:

A-106







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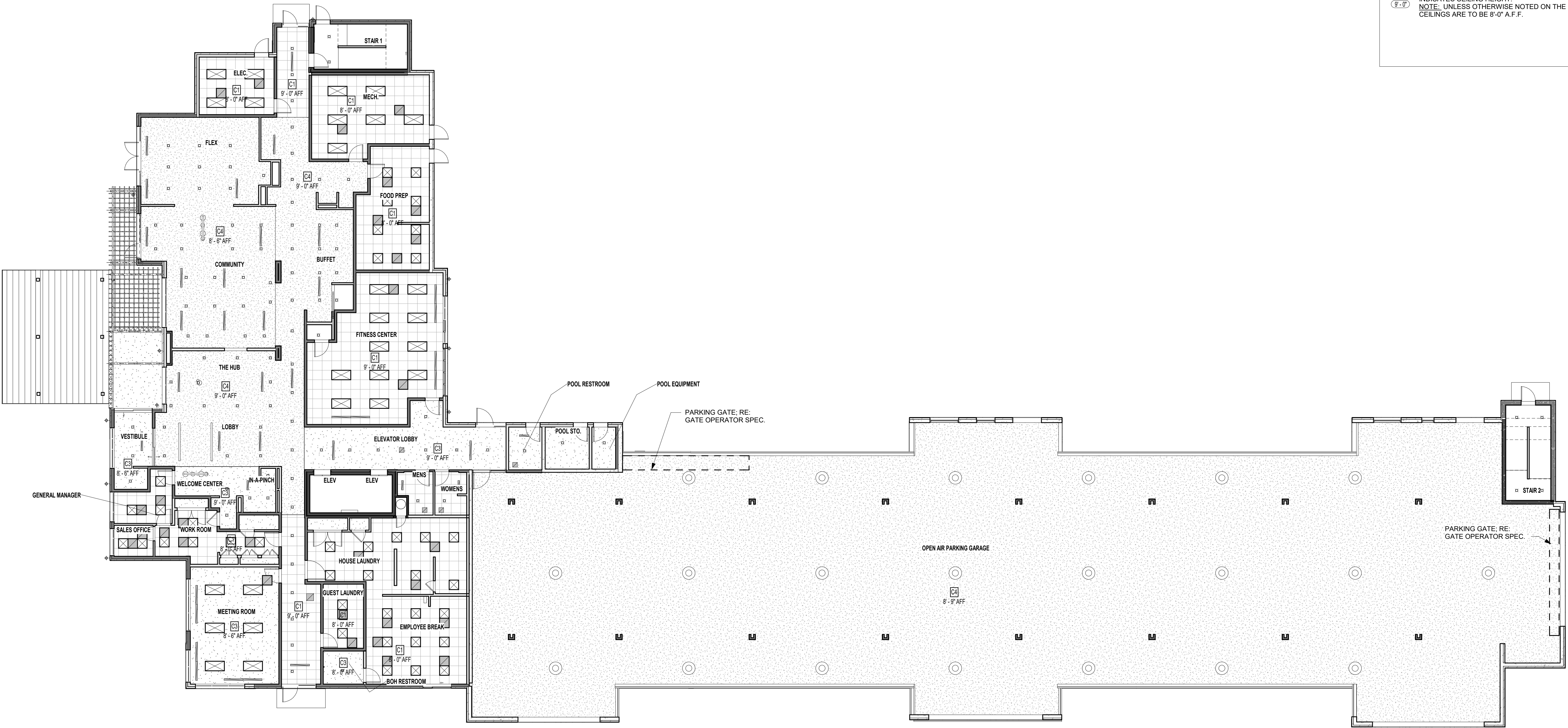
REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND

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11/01/2023 - CITY SUBMITTAL

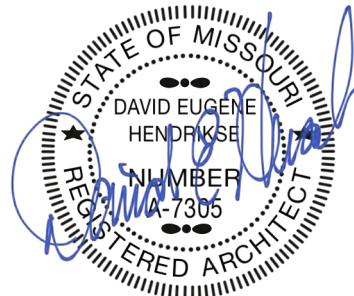
REVISIONS:

RCP LEGEND

-  C1 - 2' X 2' ACT SYSTEM
-  C3 - GWB ON UNDERSIDE OF TRUSS ASSEMBLY FOR FIRE RATING
-  C4 - EXTERIOR GWD ON METAL STUD
-  9'-0" INDICATES CEILING HEIGHT.
NOTE: UNLESS OTHERWISE NOTED ON THE PLANS ALL CEILINGS ARE TO BE 8'-0" A.F.F.



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TOWNEPLACE SUITES

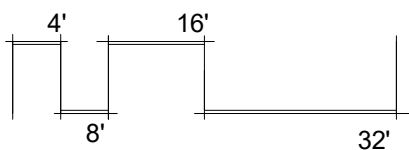
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SHEET TITLE
FIRST FLOOR REFLECTED
CEILING PLAN

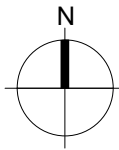
PROJECT NUMBER: 23098

SHEET NUMBER:

A-120



1 FIRST FLOOR REFLECTED
CEILING PLAN
3/32" = 1'-0"



PRINTS ISSUED
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REVISIONS:

REVISIONS:

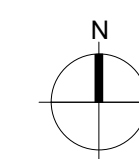


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PROJECT NUMBER: 23098

SHEET NUMBER:

SECOND FLOOR REFLECTED CEILING PLAN



1

VERIFY SHEET #S

REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND

KEYNOTE LEGEND

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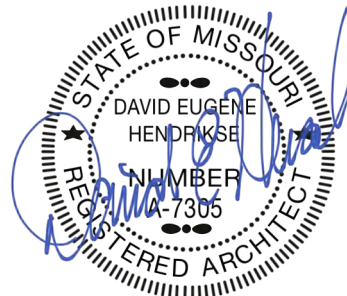


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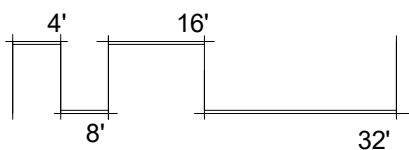
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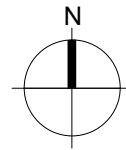
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SHEET NUMBER:

A-122



1 THIRD FLOOR REFLECTED
CEILING PLAN
3/32" = 1'-0"



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REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND

KEYNOTE LEGEND

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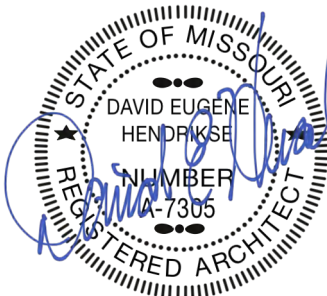


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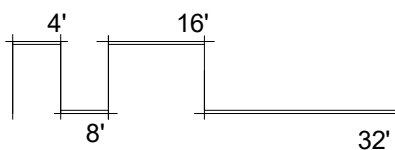
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SHEET TITLE
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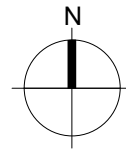
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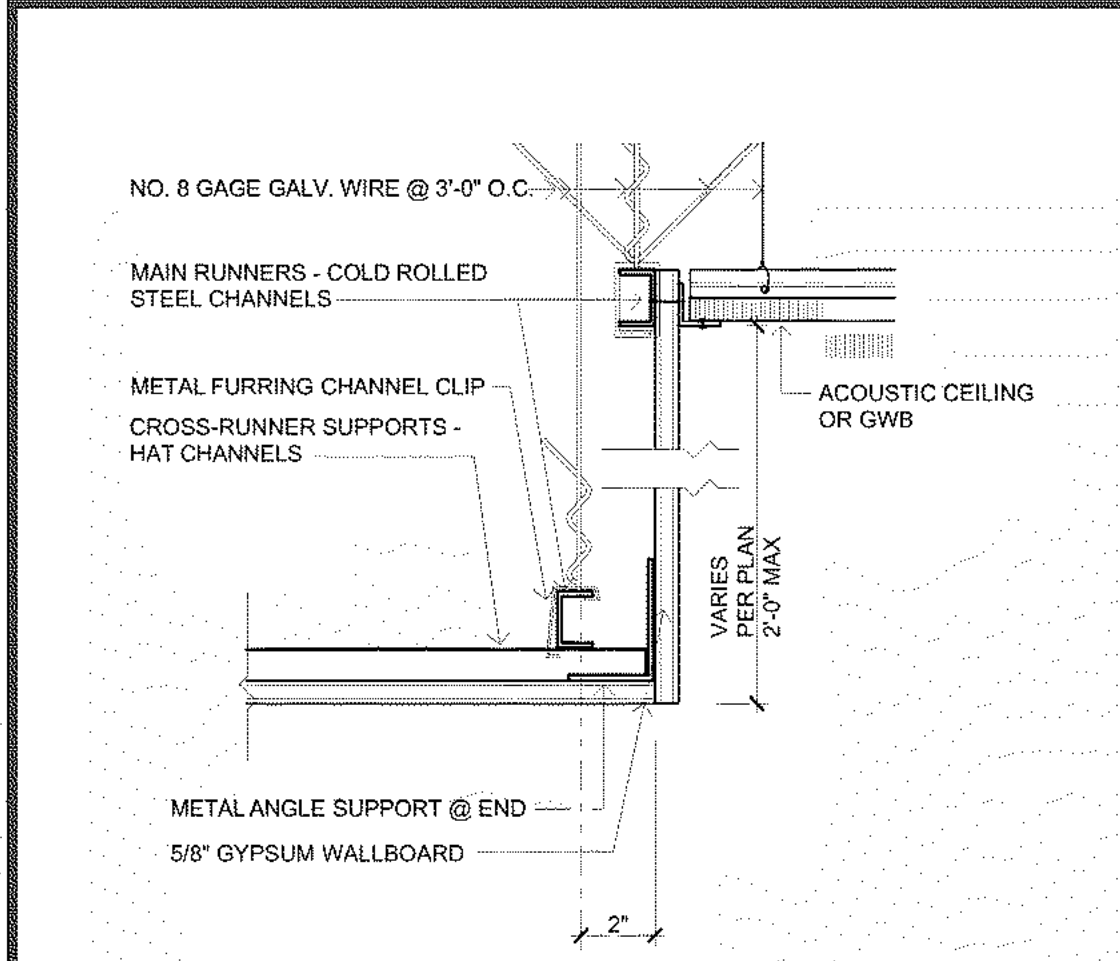
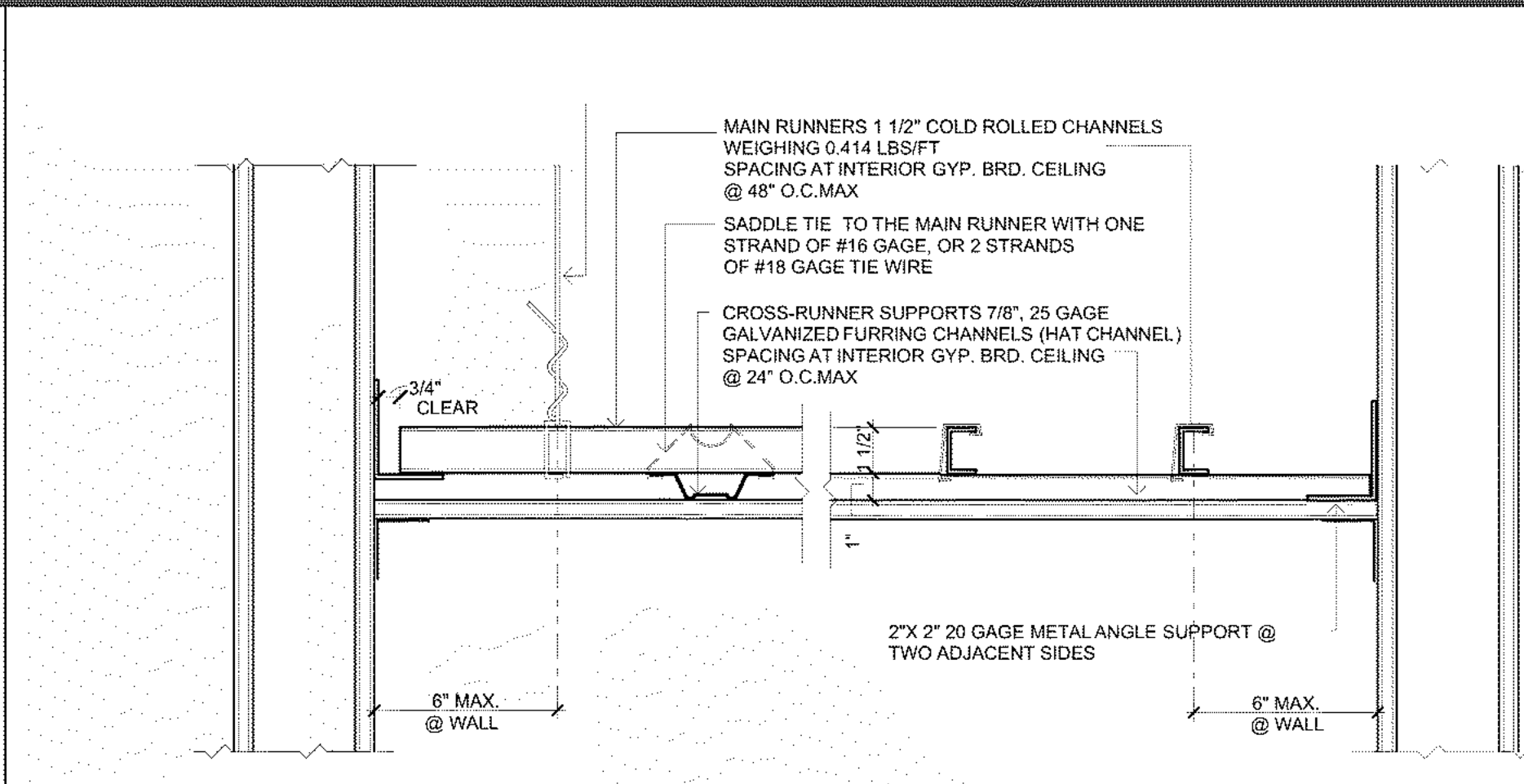
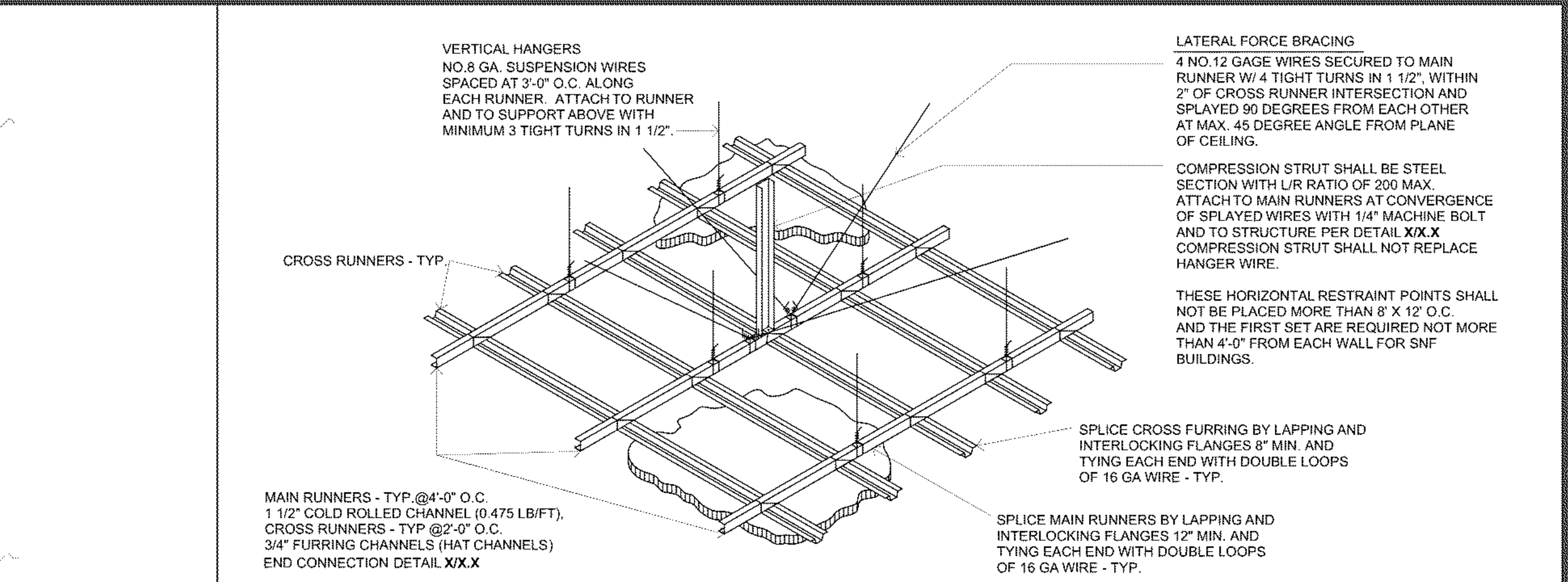
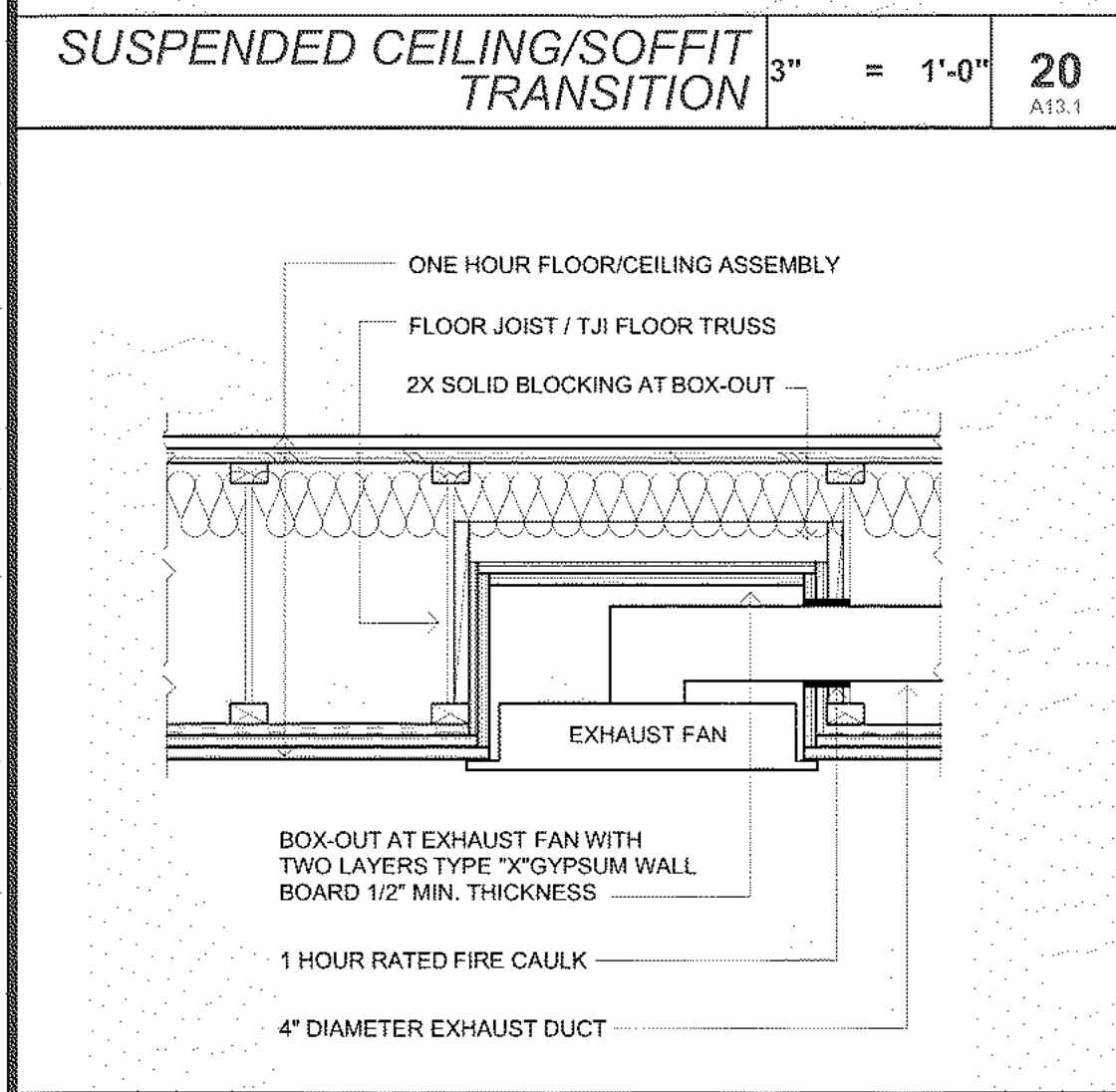
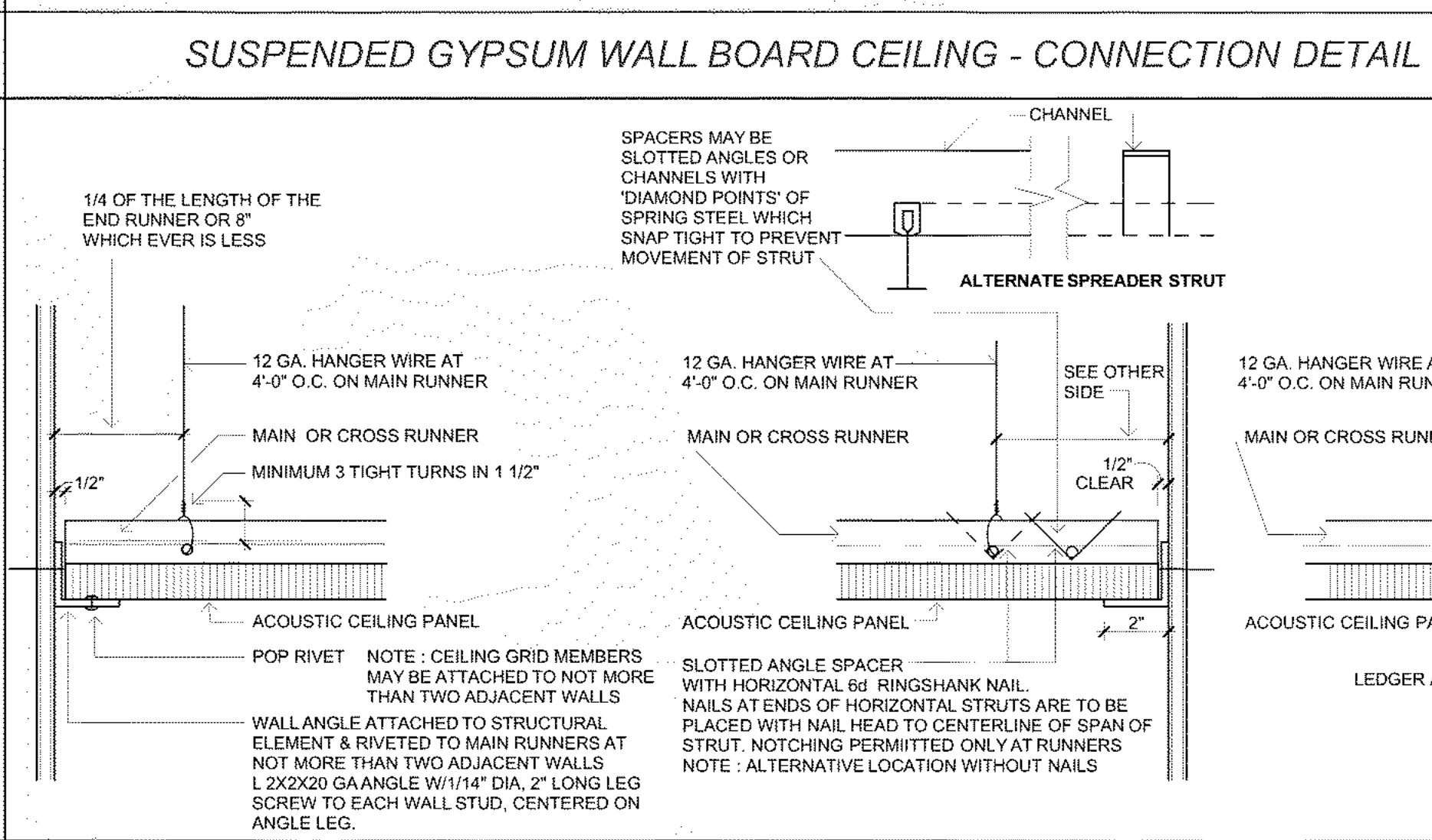
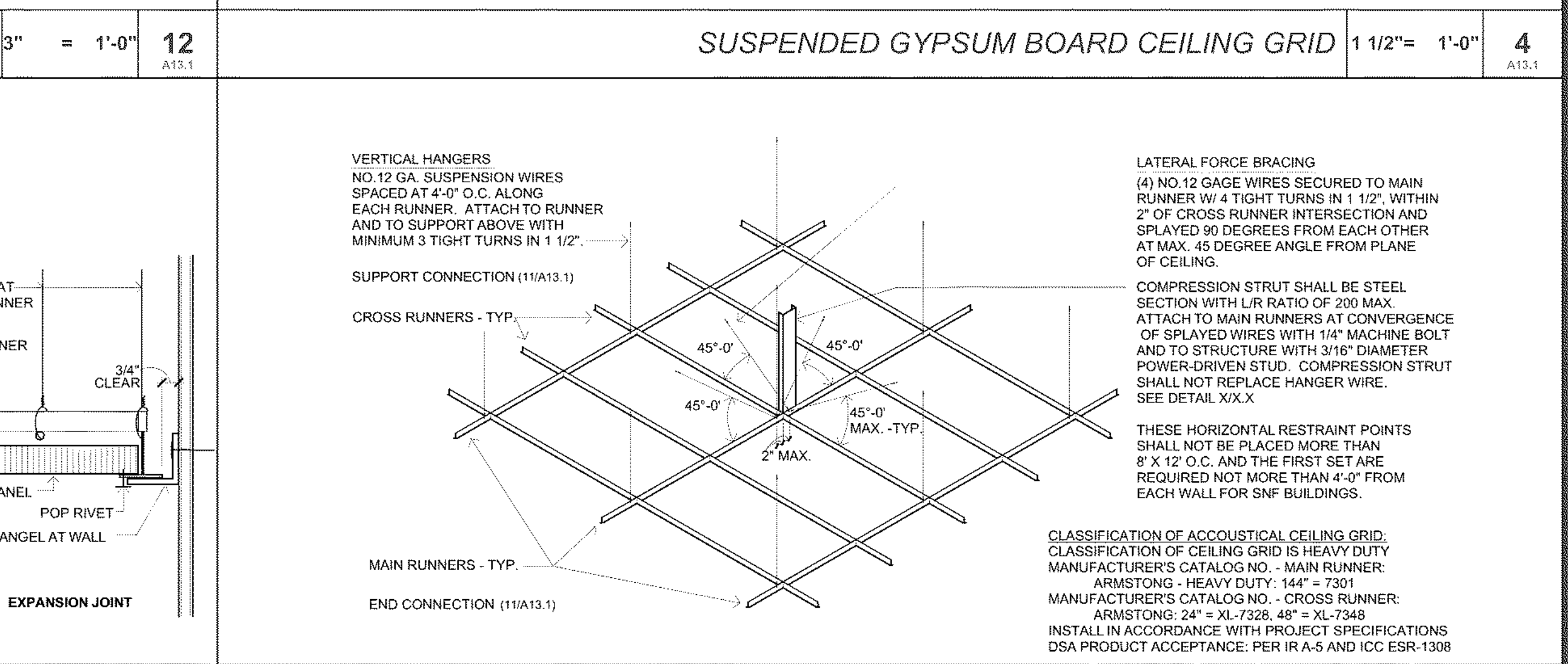
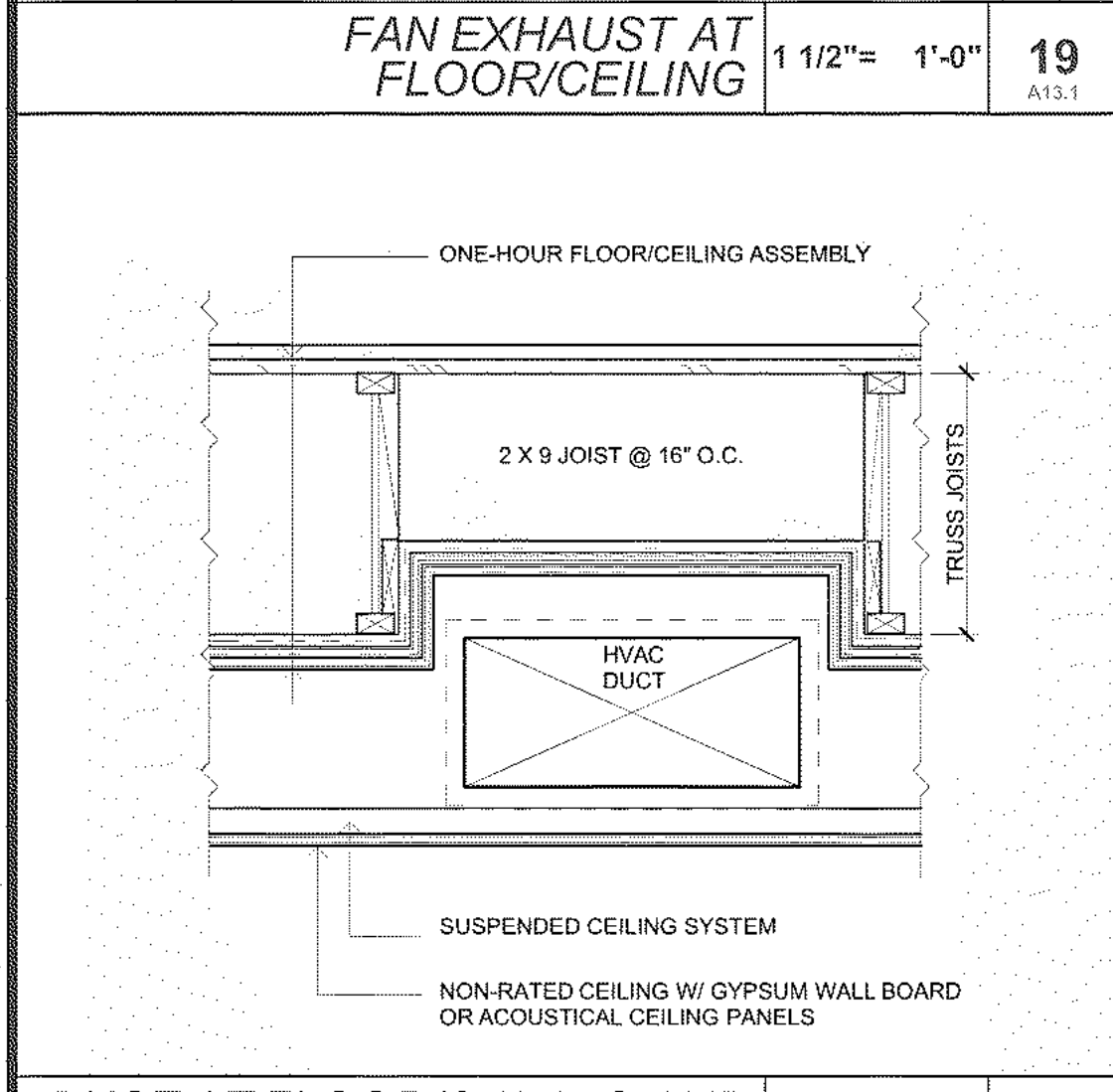
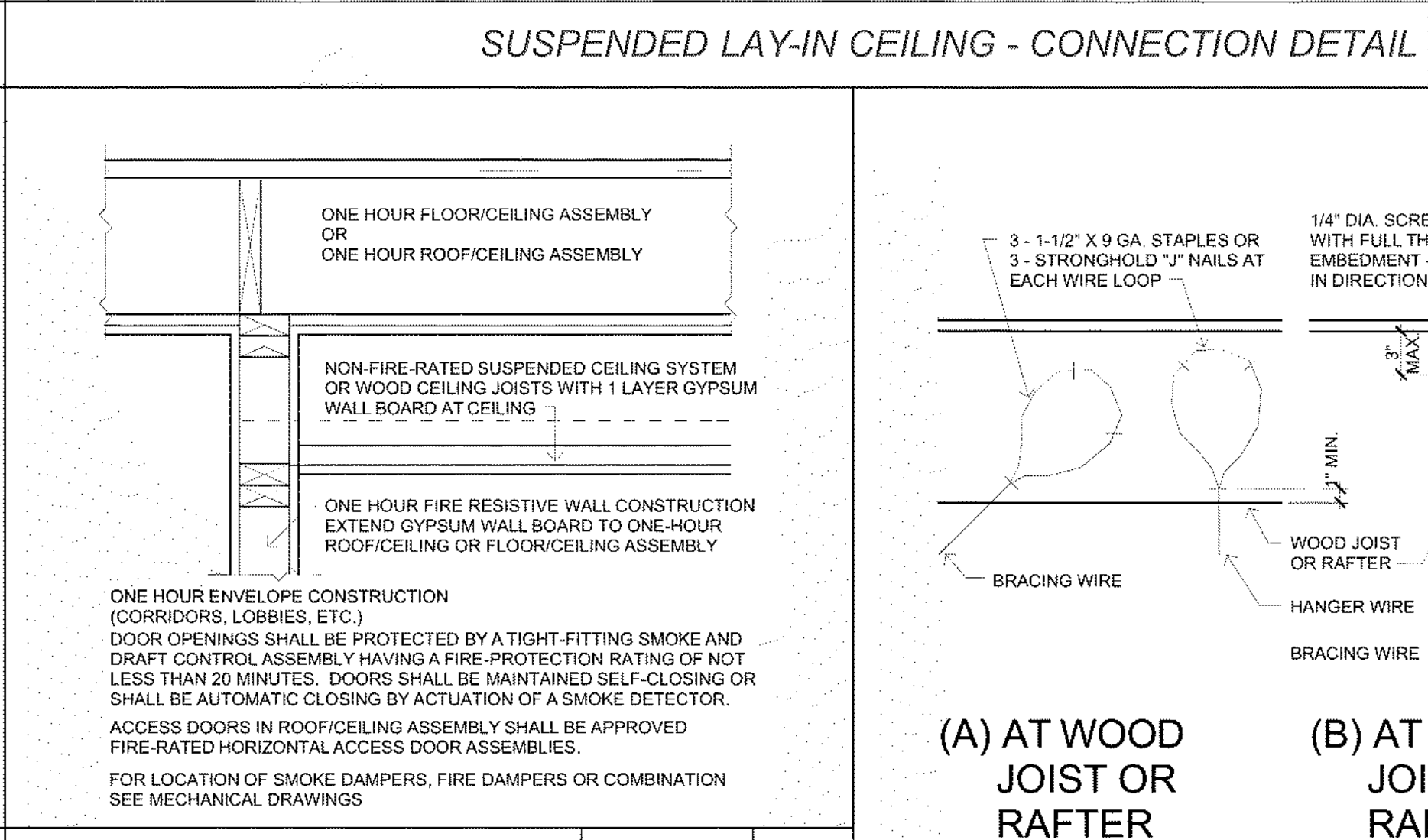
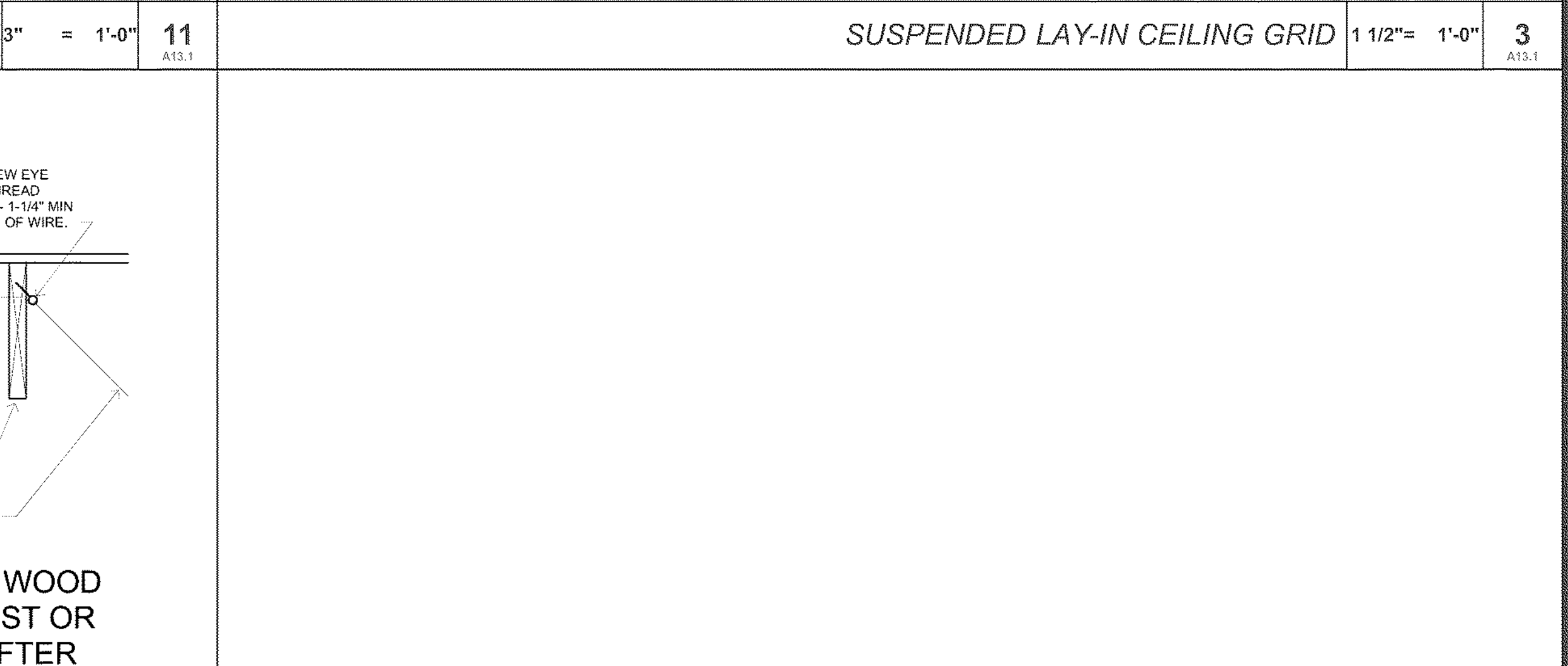
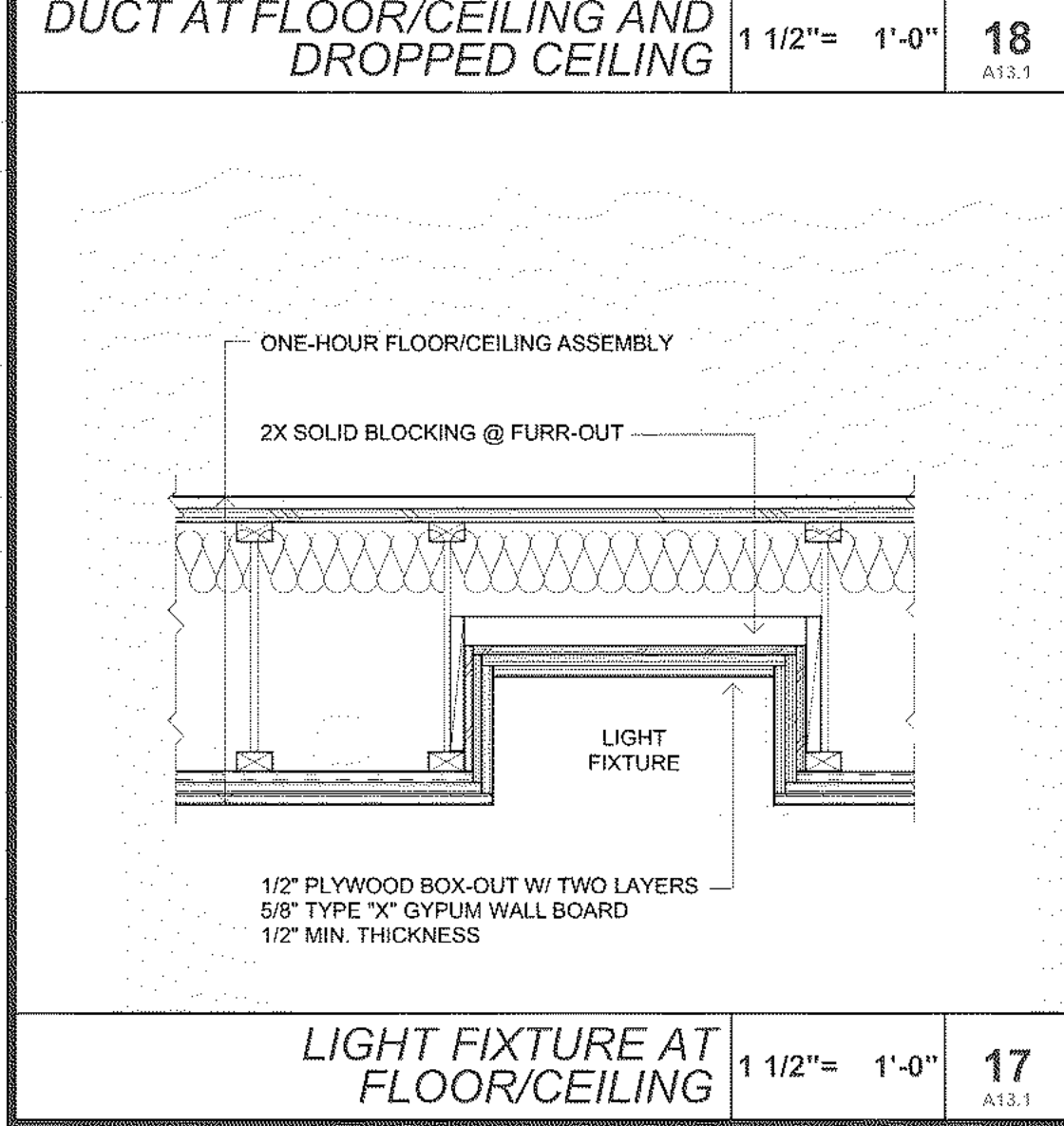
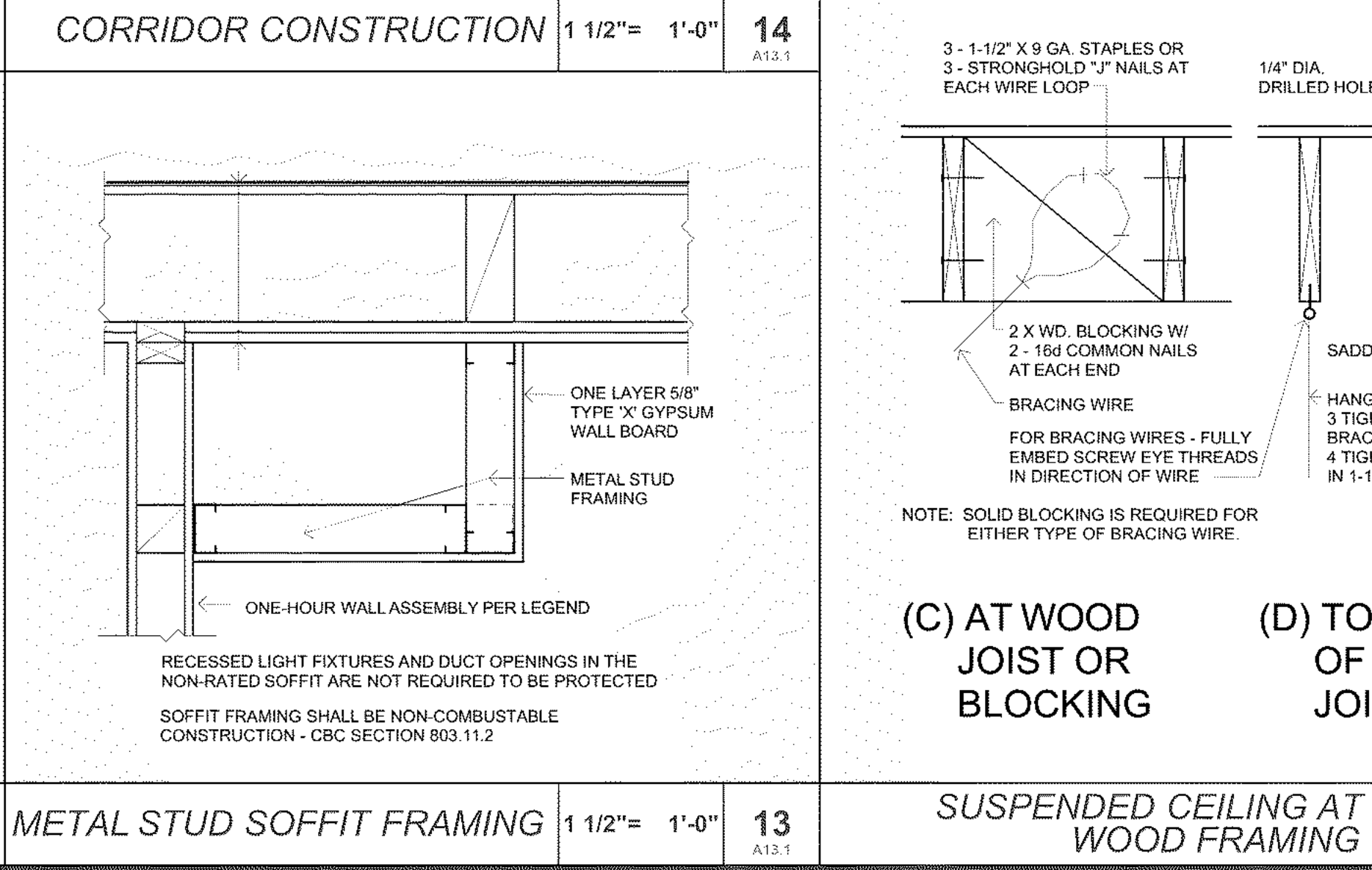
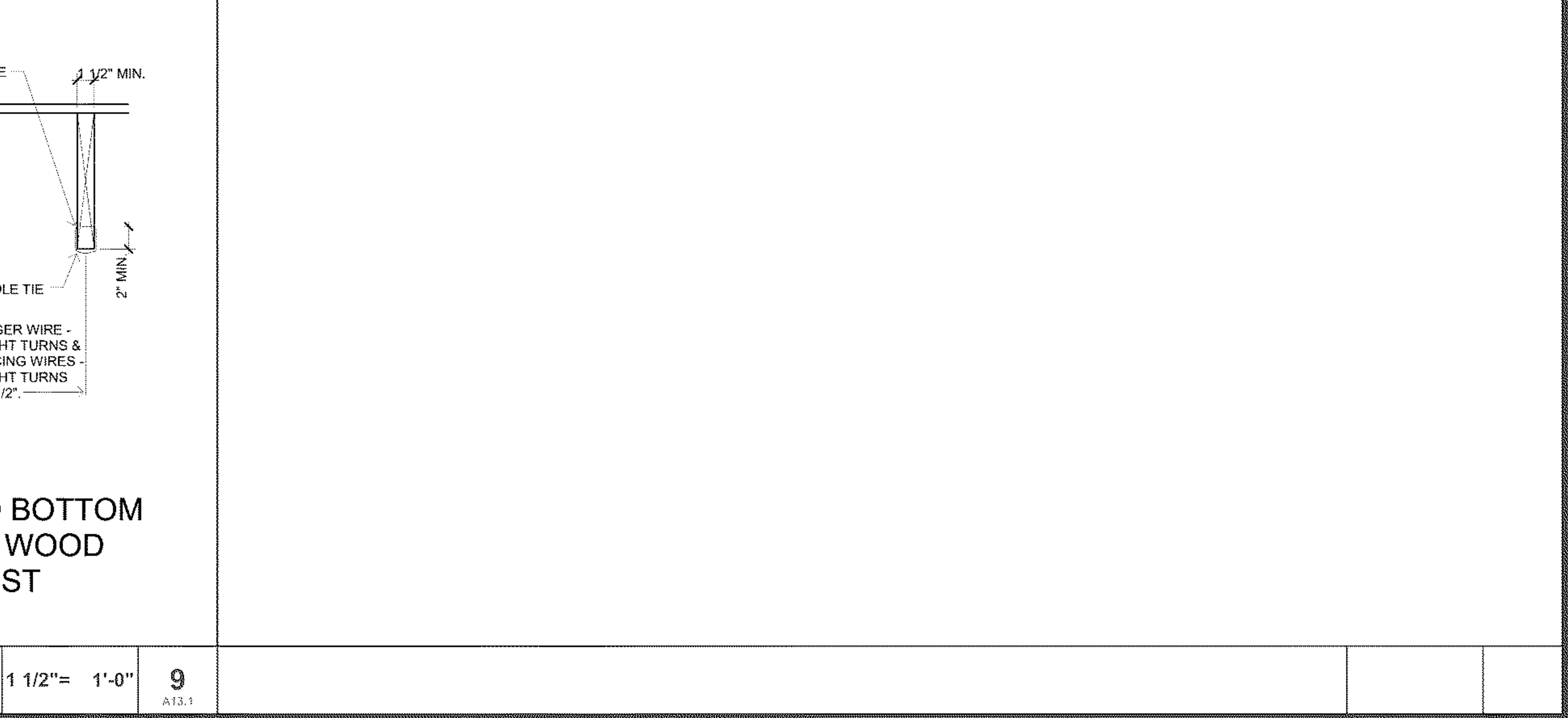


FOURTH FLOOR REFLECTED
CEILING PLAN
3/32" = 1'-0"



1

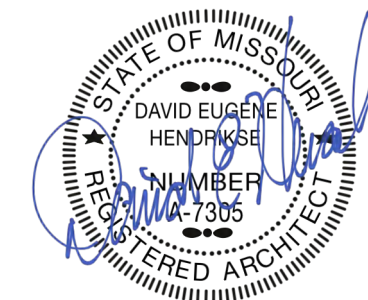
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 <p>NO. 8 GAGE GALV. WIRE @ 3'-0" O.C.</p> <p>MAIN RUNNERS - COLD ROLLED STEEL CHANNELS</p> <p>METAL FURRING CHANNEL CLIP</p> <p>CROSS-RUNNER SUPPORTS - HAT CHANNELS</p> <p>ACOUSTIC CEILING OR GWB</p> <p>VARIES PER PLAN 2'-0" MAX</p> <p>METAL ANGLE SUPPORT @ END</p> <p>5/8" GYPSUM WALLBOARD</p> <p>2"</p>	<p>SUSPENDED CEILING/SOFFT TRANSITION</p> <p>3" = 1'-0"</p> <p>20</p> <p>A13.1</p>	 <p>MAIN RUNNERS 1 1/2" COLD ROLLED CHANNELS WEIGHING 0.414 LBS/FT SPACING AT INTERIOR GYP. BRD. CEILING @ 48" O.C. MAX</p> <p>SADDLE TIE TO THE MAIN RUNNER WITH ONE STRAND OF #16 GAGE OR 2 STRANDS OF #18 GAGE TIE WIRE</p> <p>CROSS-RUNNER SUPPORTS 7/8", 25 GAGE GALVANIZED FURRING CHANNELS (HAT CHANNEL) SPACING AT INTERIOR GYP. BRD. CEILING @ 24" O.C. MAX</p> <p>2 1/4" CLEAR</p> <p>2" X 2" 20 GAGE METAL ANGLE SUPPORT @ TWO ADJACENT SIDES</p> <p>6" MAX. @ WALL</p> <p>6" MAX. @ WALL</p>	<p>SUSPENDED GYPSUM WALL BOARD CEILING - CONNECTION DETAIL</p> <p>3" = 1'-0"</p> <p>12</p> <p>A13.1</p>	 <p>VERTICAL HANGERS NO. 8 GA. SUSPENSION WIRES SPACED AT 3'-0" O.C. ALONG EACH RUNNER. ATTACH TO RUNNER AND TO SUPPORT ABOVE WITH MINIMUM 3 TIGHT TURNS IN 1 1/2".</p> <p>CROSS RUNNERS - TYP.</p> <p>MAIN RUNNERS - TYP. @ 4'-0" O.C. 1 1/2" COLD ROLLED CHANNEL (0.475 LB/FT). CROSS RUNNERS - TYP. @ 2'-0" O.C. 3/4" FURRING CHANNELS (HAT CHANNELS) END CONNECTION DETAIL X.X.X</p> <p>LATERAL FORCE BRACING 4 NO. 12 GAGE WIRES SECURED TO MAIN RUNNER W/ 4 TIGHT TURNS IN 1 1/2". WITHIN 2' OF CROSS RUNNER INTERSECTION AND SPAYED 90 DEGREES FROM EACH OTHER AT MAX. 45 DEGREE ANGLE FROM PLANE OF CEILING.</p> <p>COMPRESSION STRUT SHALL BE STEEL SECTION WITH L/R RATIO OF 200 MAX. ATTACH TO MAIN RUNNERS AT CONVERGENCE OF SPAYED WIRES WITH 1/4" MACHINE BOLT AND TO STRUCTURE PER DETAIL X.X.X. COMPRESSION STRUT SHALL NOT REPLACE HANGER WIRE.</p> <p>THESE HORIZONTAL RESTRAINT POINTS SHALL NOT BE PLACED MORE THAN 8' X 12' O.C. AND THE FIRST SET ARE REQUIRED NOT MORE THAN 4'-0" FROM EACH WALL FOR SNF BUILDINGS.</p> <p>SPLICE CROSS FURRING BY LAPPING AND INTERLOCKING FLANGES 8" MIN. AND TYING EACH END WITH DOUBLE LOOPS OF 16 GA WIRE - TYP.</p> <p>SPLICE MAIN RUNNERS BY LAPPING AND INTERLOCKING FLANGES 12" MIN. AND TYING EACH END WITH DOUBLE LOOPS OF 16 GA WIRE - TYP.</p>	<p>SUSPENDED GYPSUM BOARD CEILING GRID</p> <p>1 1/2" = 1'-0"</p> <p>4</p> <p>A13.1</p>
 <p>ONE HOUR FLOOR/CEILING ASSEMBLY</p> <p>FLOOR JOIST / T/J FLOOR TRUSS</p> <p>2X SOLID BLOCKING AT BOX-OUT</p> <p>EXHAUST FAN</p> <p>BOX-OUT AT EXHAUST FAN WITH TWO LAYERS TYPE "X" GYPSUM WALL BOARD 1/2" MIN. THICKNESS</p> <p>1 HOUR RATED FIRE CAULK</p> <p>4" DIAMETER EXHAUST DUCT</p>	<p>FAN EXHAUST AT FLOOR/CEILING</p> <p>1 1/2" = 1'-0"</p> <p>19</p> <p>A13.1</p>	 <p>1/4 OF THE LENGTH OF THE END RUNNER OR 8" WHICH EVER IS LESS</p> <p>12 GA. HANGER WIRE AT 4'-0" O.C. ON MAIN RUNNER</p> <p>MAIN OR CROSS RUNNER</p> <p>MINIMUM 3 TIGHT TURNS IN 1 1/2"</p> <p>ACOUSTIC CEILING PANEL</p> <p>POP RIVET</p> <p>NOTE : CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN TWO ADJACENT WALLS</p> <p>WALL ANGLE ATTACHED TO STRUCTURAL ELEMENT & RIVETED TO MAIN RUNNERS AT NOT MORE THAN TWO ADJACENT WALLS L 2X2X20 GA ANGLE W/ 1/4" DIA. 2" LONG LEG SCREW TO EACH WALL STUD, CENTERED ON ANGLE LEG.</p> <p>SPACERS MAY BE SLOTTED ANGLES OR CHANNELS WITH 'DIAMOND POINTS' OF SPRING STEEL WHICH SNAP TIGHT TO PREVENT MOVEMENT OF STRUT</p> <p>CHANNEL</p> <p>ALTERNATE SPREADER STRUT</p> <p>12 GA. HANGER WIRE AT 4'-0" O.C. ON MAIN RUNNER</p> <p>MAIN OR CROSS RUNNER</p> <p>1/2" CLEAR</p> <p>ACOUSTIC CEILING PANEL</p> <p>SLOTTED ANGLE SPACER WITH HORIZONTAL 6d RINGSHANK NAIL. NAILS AT ENDS OF HORIZONTAL STRUTS ARE TO BE PLACED WITH NAIL HEAD TO CENTERLINE OF SPAN OF STRUT. NOTCHING PERMITTED ONLY AT RUNNERS</p> <p>NOTE : ALTERNATIVE LOCATION WITHOUT NAILS</p> <p>EXPANSION JOINT</p>	<p>SUSPENDED LAY-IN CEILING - CONNECTION DETAIL</p> <p>3" = 1'-0"</p> <p>11</p> <p>A13.1</p>	 <p>VERTICAL HANGERS NO. 12 GA. SUSPENSION WIRES SPACED AT 4'-0" O.C. ALONG EACH RUNNER. ATTACH TO RUNNER AND TO SUPPORT ABOVE WITH MINIMUM 3 TIGHT TURNS IN 1 1/2".</p> <p>SUPPORT CONNECTION (11/A13.1)</p> <p>CROSS RUNNERS - TYP.</p> <p>MAIN RUNNERS - TYP.</p> <p>END CONNECTION (11/A13.1)</p> <p>LATERAL FORCE BRACING (4) NO. 12 GAGE WIRES SECURED TO MAIN RUNNER W/ 4 TIGHT TURNS IN 1 1/2". WITHIN 2' OF CROSS RUNNER INTERSECTION AND SPAYED 90 DEGREES FROM EACH OTHER AT MAX. 45 DEGREE ANGLE FROM PLANE OF CEILING.</p> <p>COMPRESSION STRUT SHALL BE STEEL SECTION WITH L/R RATIO OF 200 MAX. ATTACH TO MAIN RUNNERS AT CONVERGENCE OF SPAYED WIRES WITH 1/4" MACHINE BOLT AND TO STRUCTURE WITH 3/16" DIAMETER POWER-DRIVEN STUD. COMPRESSION STRUT SHALL NOT REPLACE HANGER WIRE. SEE DETAIL X.X.X.</p> <p>THESE HORIZONTAL RESTRAINT POINTS SHALL NOT BE PLACED MORE THAN 8' X 12' O.C. AND THE FIRST SET ARE REQUIRED NOT MORE THAN 4'-0" FROM EACH WALL FOR SNF BUILDINGS.</p> <p>CLASSIFICATION OF ACOUSTICAL CEILING GRID: CLASSIFICATION OF CEILING GRID IS HEAVY DUTY MANUFACTURER'S CATALOG NO. - MAIN RUNNER: ARMSTRONG - HEAVY DUTY - 144" = 7301 MANUFACTURER'S CATALOG NO. - CROSS RUNNER: ARMSTRONG - 24" = XL-7328, 48" = XL-7348 INSTALL IN ACCORDANCE WITH PROJECT SPECIFICATIONS DSA PRODUCT ACCEPTANCE: PER IR A-5 AND ICC ESR-1308</p>	<p>SUSPENDED LAY-IN CEILING GRID</p> <p>1 1/2" = 1'-0"</p> <p>3</p> <p>A13.1</p>
 <p>ONE-HOUR FLOOR/CEILING ASSEMBLY</p> <p>2 X 9 JOIST @ 16" O.C.</p> <p>TRUSS JOISTS</p> <p>HVAC DUCT</p> <p>SUSPENDED CEILING SYSTEM</p> <p>NON-RATED CEILING W/ GYPSUM WALL BOARD OR ACOUSTICAL CEILING PANELS</p>	<p>DUCT AT FLOOR/CEILING AND DROPPED CEILING</p> <p>1 1/2" = 1'-0"</p> <p>18</p> <p>A13.1</p>	 <p>ONE HOUR FLOOR/CEILING ASSEMBLY OR ONE HOUR ROOF/CEILING ASSEMBLY</p> <p>NON-FIRE-RATED SUSPENDED CEILING SYSTEM OR WOOD CEILING JOISTS WITH 1 LAYER GYPSUM WALL BOARD AT CEILING</p> <p>ONE HOUR FIRE RESISTIVE WALL CONSTRUCTION EXTEND GYPSUM WALL BOARD TO ONE-HOUR ROOF/CEILING OR FLOOR/CEILING ASSEMBLY</p> <p>ONE HOUR ENVELOPE CONSTRUCTION (CORRIDORS, LOBBIES, ETC.)</p> <p>DOOR OPENINGS SHALL BE PROTECTED BY A TIGHT-FITTING SMOKE AND DRAFT CONTROL ASSEMBLY HAVING A FIRE-PROTECTION RATING OF NOT LESS THAN 20 MINUTES. DOORS SHALL BE MAINTAINED SELF-CLOSING OR SHALL BE AUTOMATIC CLOSING BY ACTUATION OF A SMOKE DETECTOR.</p> <p>ACCESS DOORS IN ROOF/CEILING ASSEMBLY SHALL BE APPROVED FIRE-RATED HORIZONTAL ACCESS DOOR ASSEMBLIES.</p> <p>FOR LOCATION OF SMOKE DAMPERS, FIRE DAMPERS OR COMBINATION SEE MECHANICAL DRAWINGS</p>	<p>CORRIDOR CONSTRUCTION</p> <p>1 1/2" = 1'-0"</p> <p>14</p> <p>A13.1</p>	 <p>3 - 1-1/2" X 9 GA. STAPLES OR 3 - STRONGHOLD "J" NAILS AT EACH WIRE LOOP</p> <p>1/4" DIA. SCREW EYE WITH FULL THREAD EMBEDMENT - 1-1/4" MIN IN DIRECTION OF WIRE.</p> <p>BRACING WIRE</p> <p>WOOD JOIST OR RAFTER</p> <p>HANGER WIRE</p> <p>BRACING WIRE</p> <p>(A) AT WOOD JOIST OR RAFTER</p> <p>(B) AT WOOD JOIST OR RAFTER</p>	
 <p>ONE-HOUR FLOOR/CEILING ASSEMBLY</p> <p>2X SOLID BLOCKING @ FURR-OUT</p> <p>LIGHT FIXTURE</p> <p>1/2" PLYWOOD BOX-OUT W/ TWO LAYERS 5/8" TYPE "X" GYPSUM WALL BOARD 1/2" MIN. THICKNESS</p>	<p>LIGHT FIXTURE AT FLOOR/CEILING</p> <p>1 1/2" = 1'-0"</p> <p>17</p> <p>A13.1</p>	 <p>ONE-HOUR WALL ASSEMBLY PER LEGEND</p> <p>ONE LAYER 5/8" TYPE "X" GYPSUM WALL BOARD</p> <p>METAL STUD FRAMING</p> <p>RECESSED LIGHT FIXTURES AND DUCT OPENINGS IN THE NON-RATED SOFFIT ARE NOT REQUIRED TO BE PROTECTED</p> <p>SOFFIT FRAMING SHALL BE NON-COMBUSTABLE CONSTRUCTION - CBC SECTION 803.11.2</p>	<p>METAL STUD SOFFIT FRAMING</p> <p>1 1/2" = 1'-0"</p> <p>13</p> <p>A13.1</p>	 <p>3 - 1-1/2" X 9 GA. STAPLES OR 3 - STRONGHOLD "J" NAILS AT EACH WIRE LOOP</p> <p>1/4" DIA. DRILLED HOLE</p> <p>2" MIN.</p> <p>2" MIN.</p> <p>2 X WD. BLOCKING W/ 2 - 16d COMMON NAILS AT EACH END</p> <p>BRACING WIRE</p> <p>FOR BRACING WIRES - FULLY EMBED SCREW EYE THREADS IN DIRECTION OF WIRE</p> <p>SADDLE TIE</p> <p>HANGER WIRE - 3 TIGHT TURNS & BRACING WIRES - 4 TIGHT TURNS IN 1-1/2".</p> <p>(C) AT WOOD JOIST OR BLOCKING</p> <p>(D) TO BOTTOM OF WOOD JOIST</p>	<p>SUSPENDED CEILING AT WOOD FRAMING</p> <p>1 1/2" = 1'-0"</p> <p>9</p> <p>A13.1</p>

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TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
CEILING DETAILS

PROJECT NUMBER: 23098

SHEET NUMBER:

A-125



SHEET TITLE
EXTERIOR ELEVATIONS

PROJECT NUMBER: 230

SHEET NUMBER:

KEY PLAN

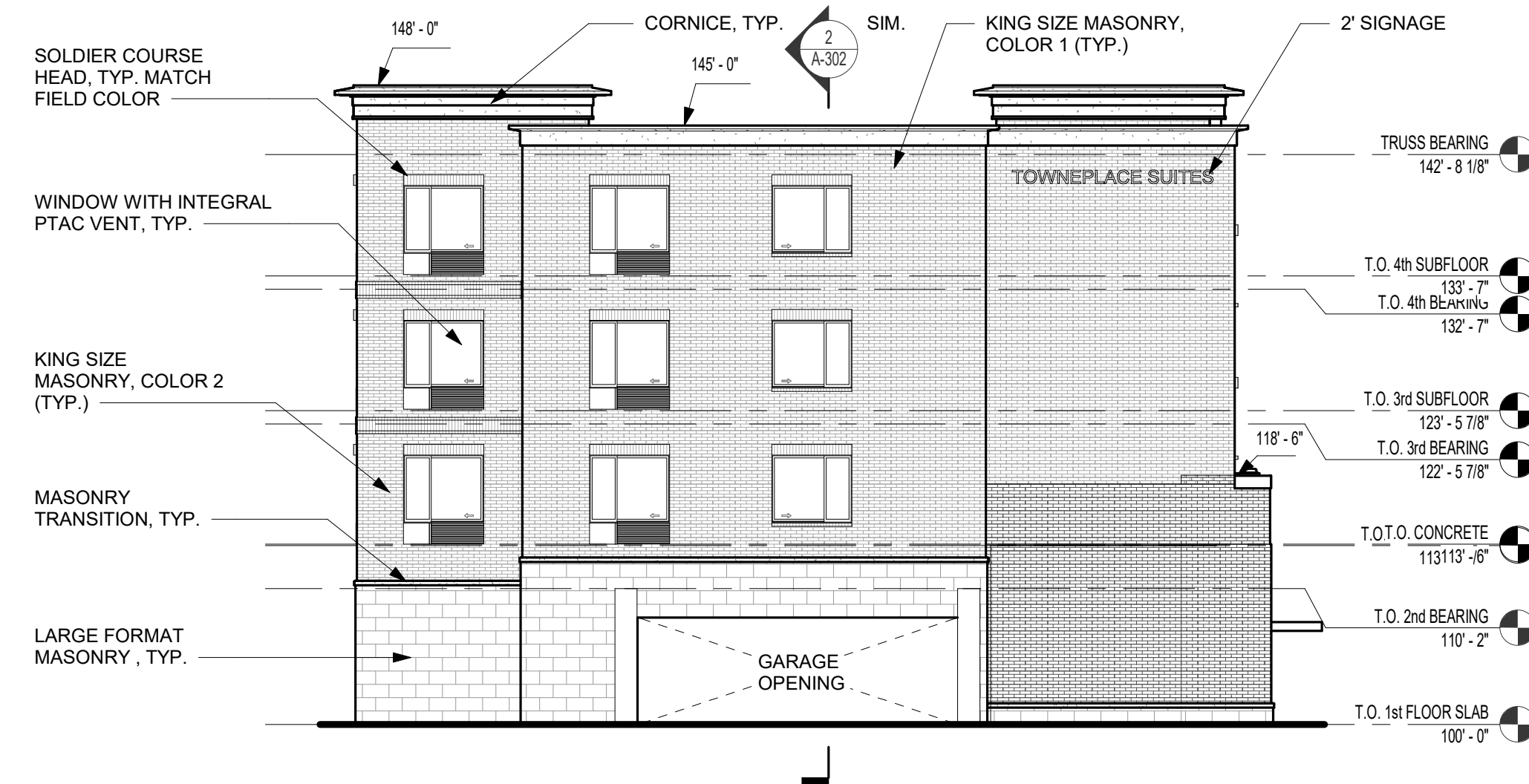


KEYNOTE LEGEND

PRINTS ISSUED

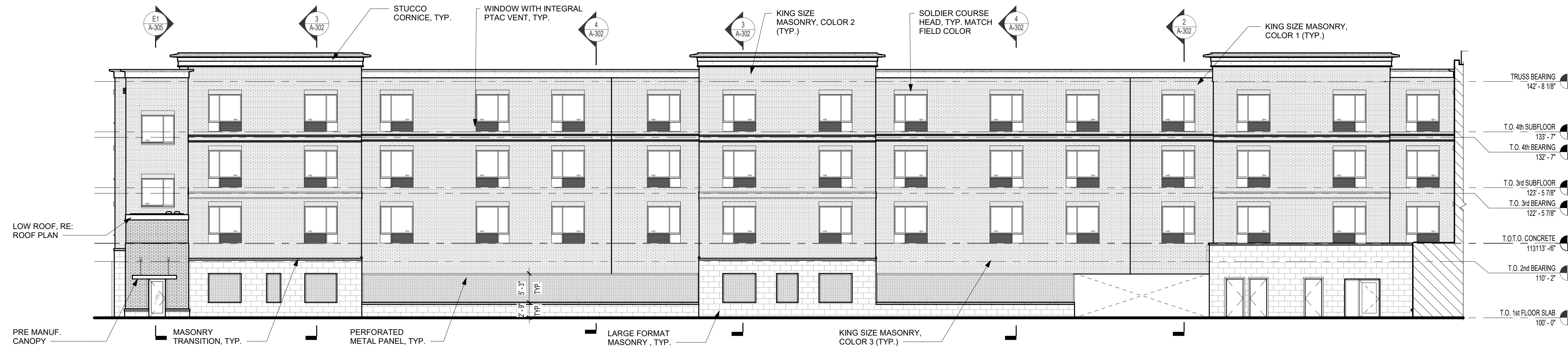
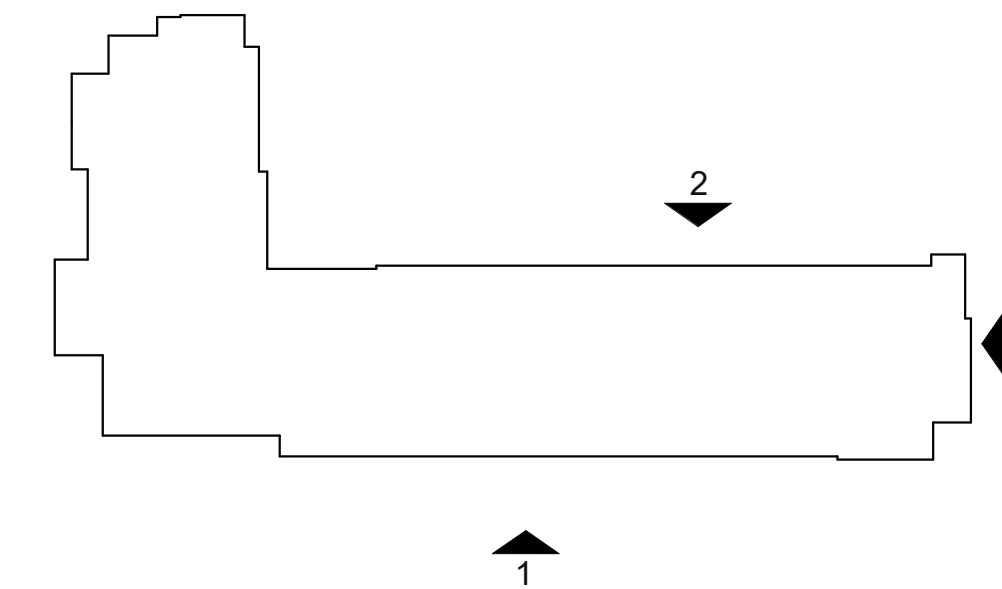
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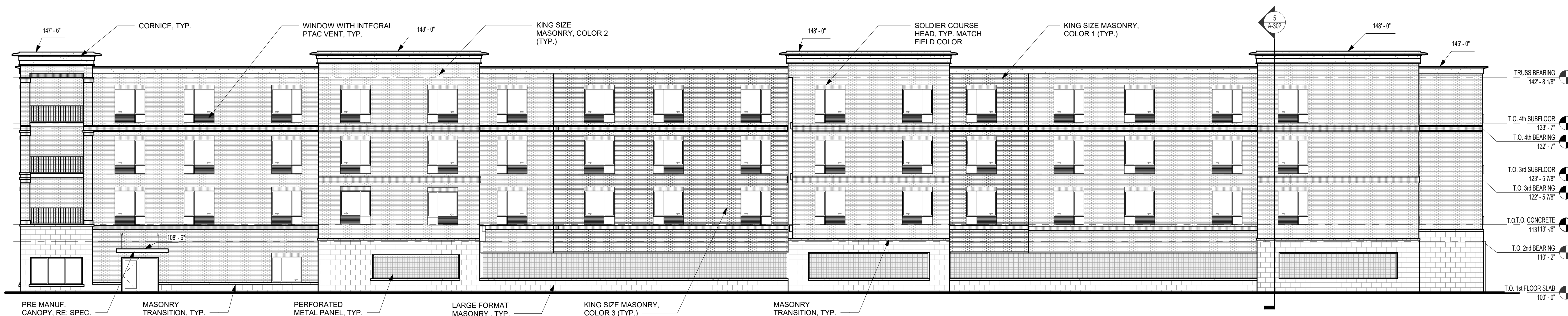


3 EAST ELEVATION (EAST WING)
3/32" = 1'-0"

KEY PLAN

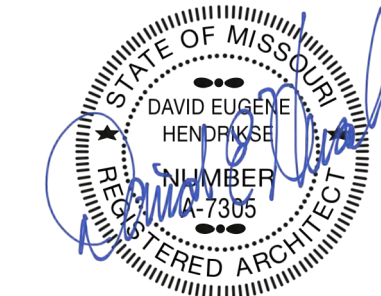


2 NORTH ELEVATION (EAST WING)
3/32" = 1'-0"



1 SOUTH ELEVATION (EAST WING)
3/32" = 1'-0"

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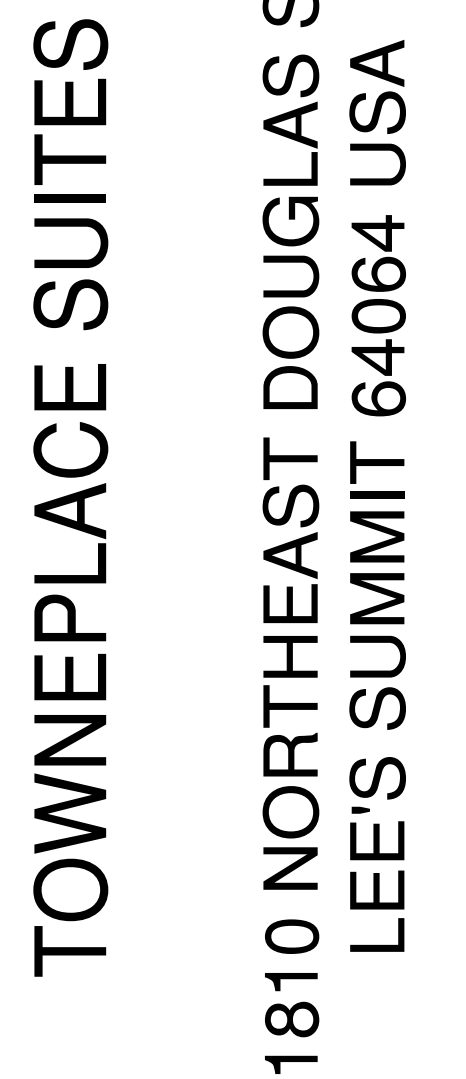
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LEE'S SUMMIT 64064 USA

SHEET TITLE
EXTERIOR ELEVATIONS

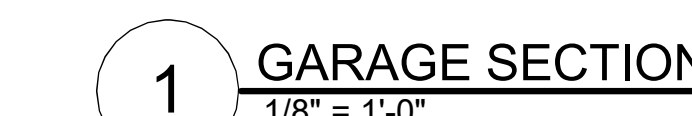
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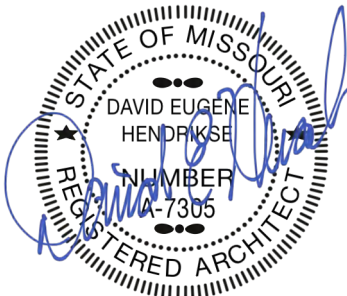
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A-300





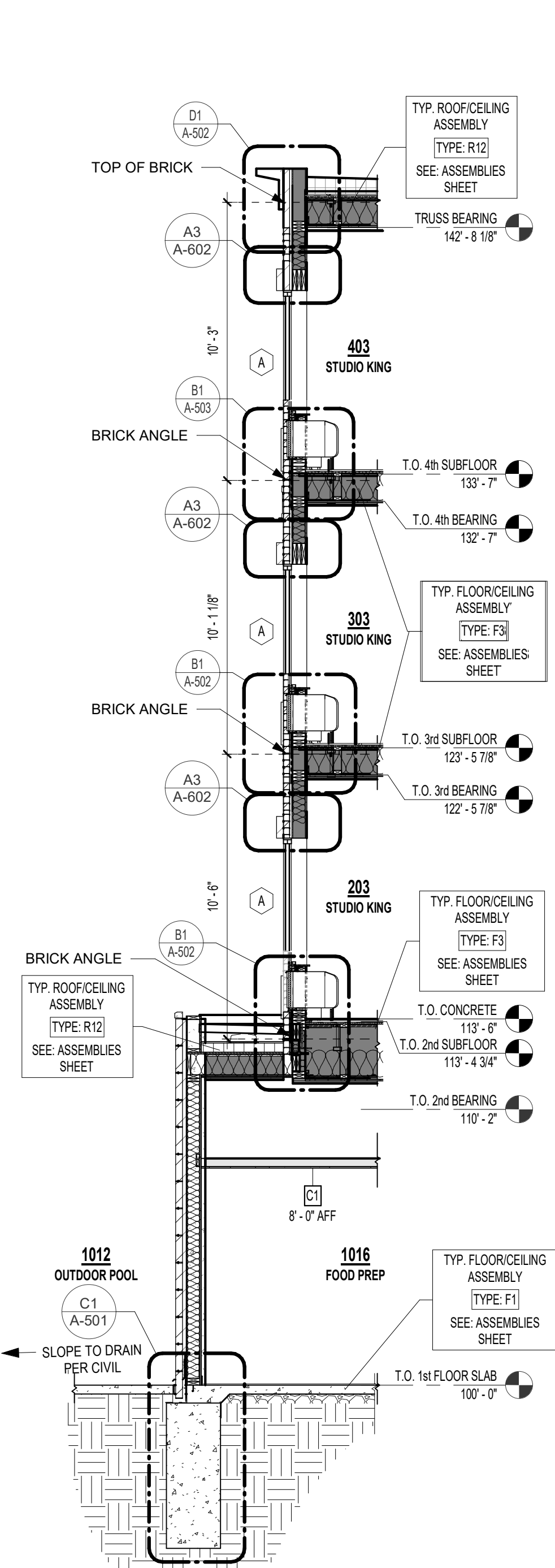
TOWNEPLACE SUITES

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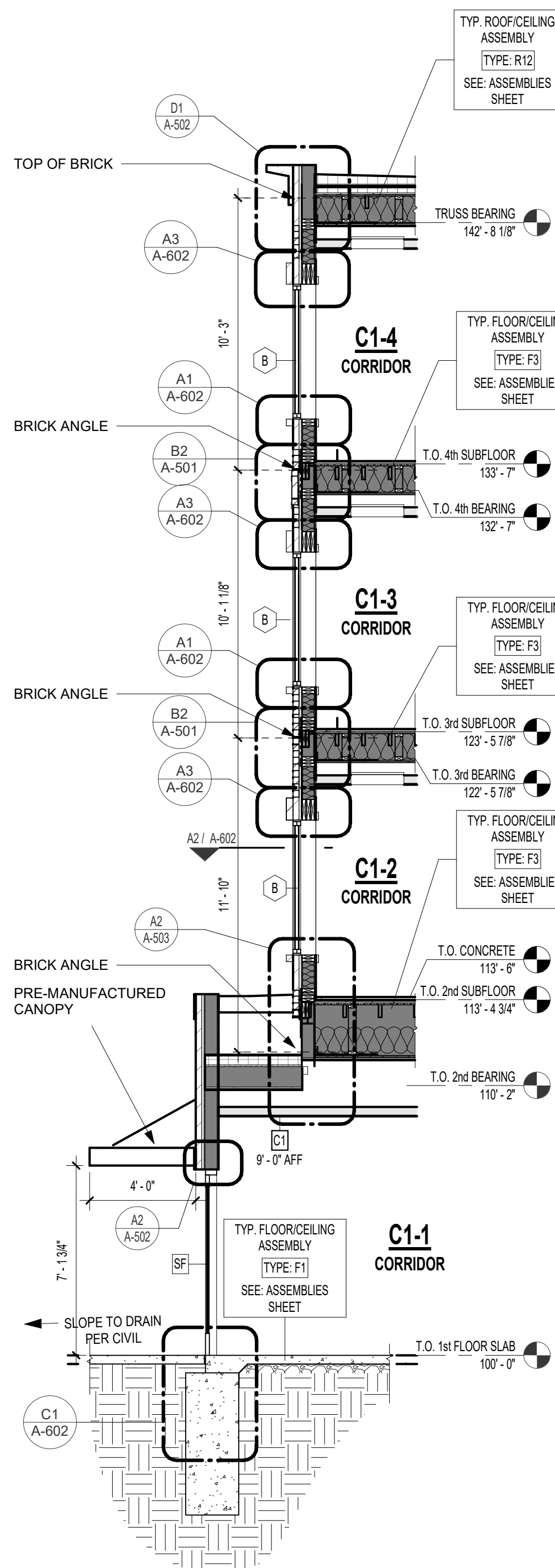
SHEET TITLE
WALL SECTIONS

PROJECT NUMBER: 23098
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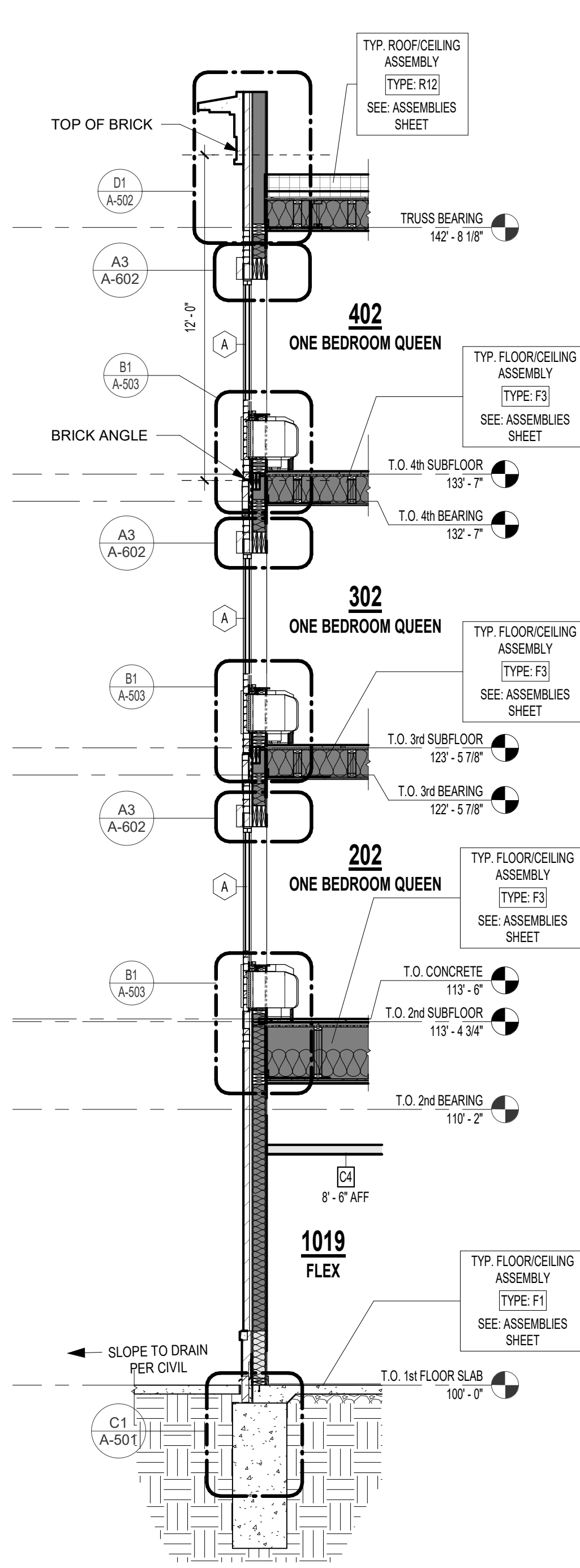
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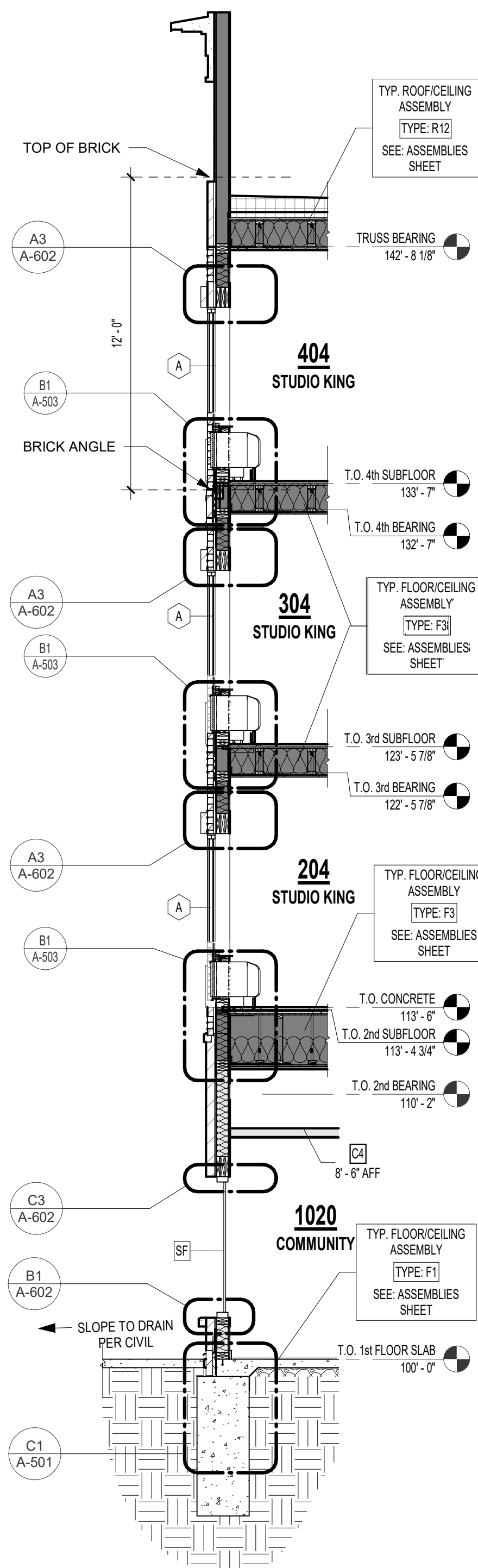
5 WALL SECTION AT FITNESS 1
1/4" = 1'-0"



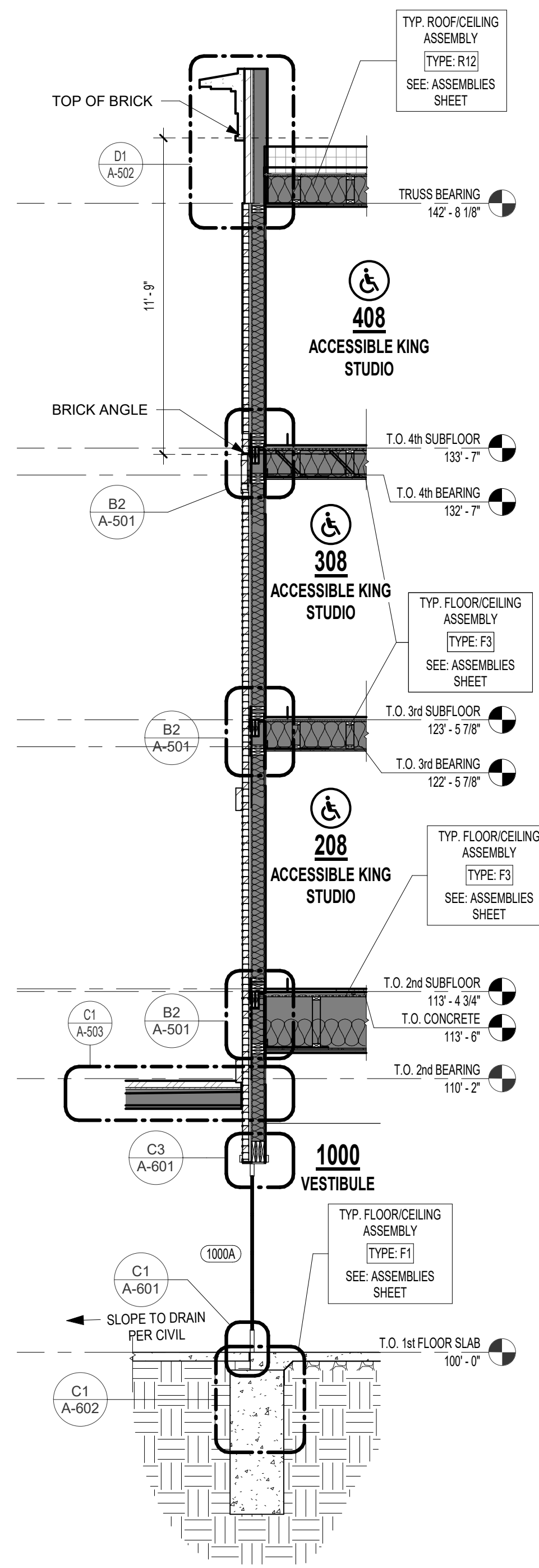
4 WALL SECTION AT CORRIDOR
1/4" = 1'-0"



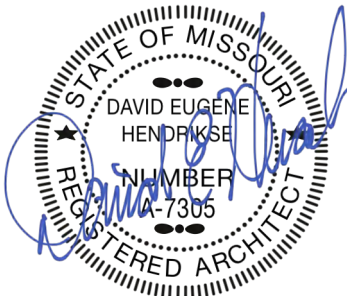
3 WALL SECTION AT GUEST ROOMS
1/4" = 1'-0"



2 WALL SECTION AT COMMUNITY
1/4" = 1'-0"



1 WALL SECTION AT VESTIBULE
1/4" = 1'-0"



TOWNEPLACE SUITES

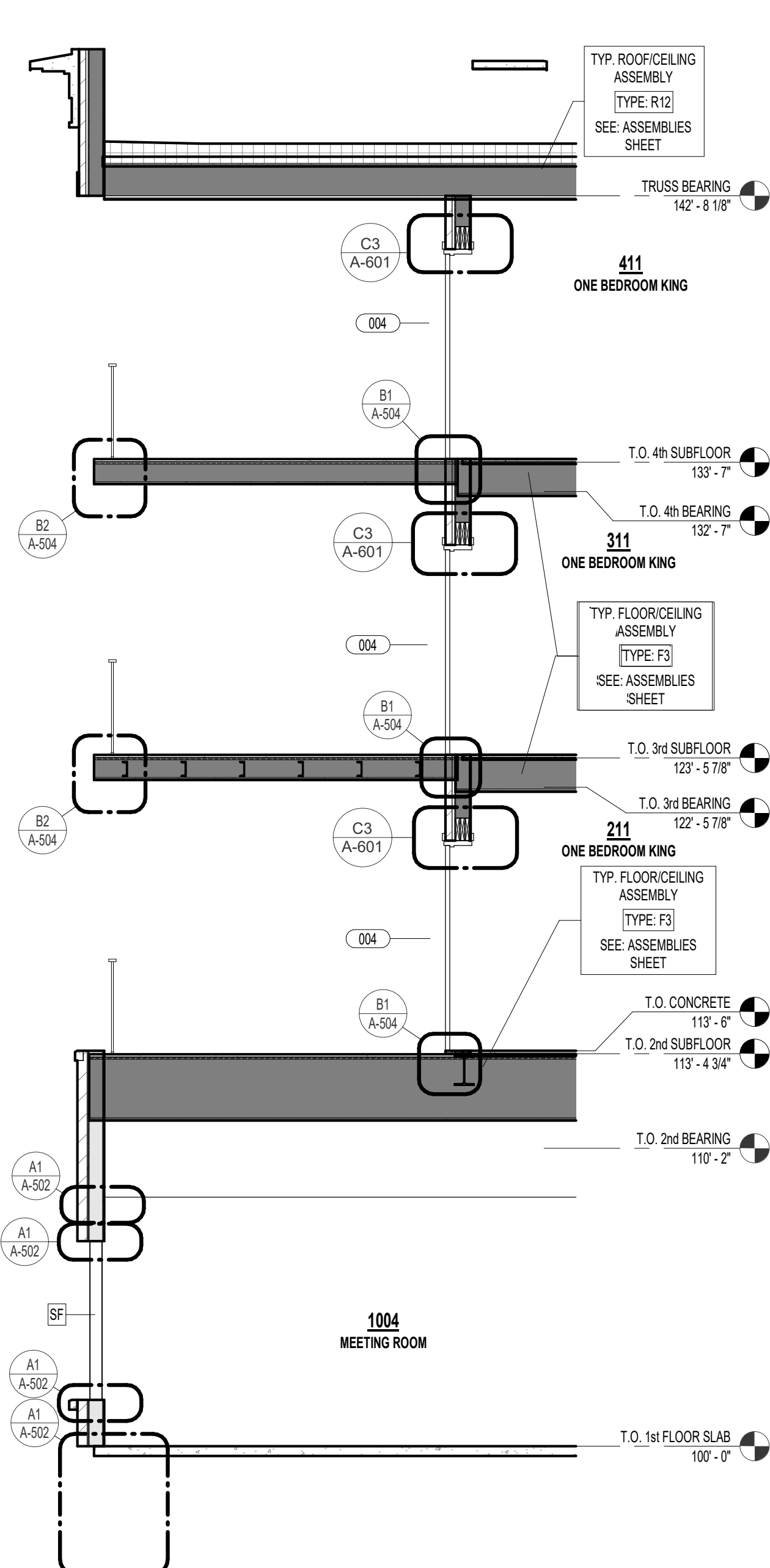
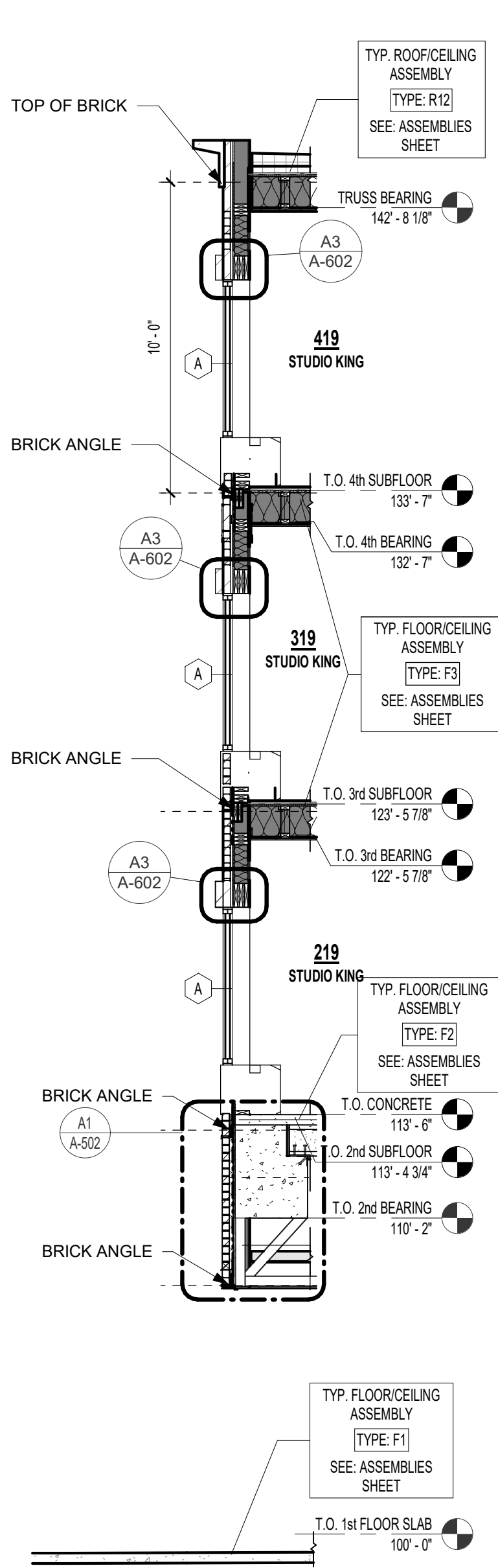
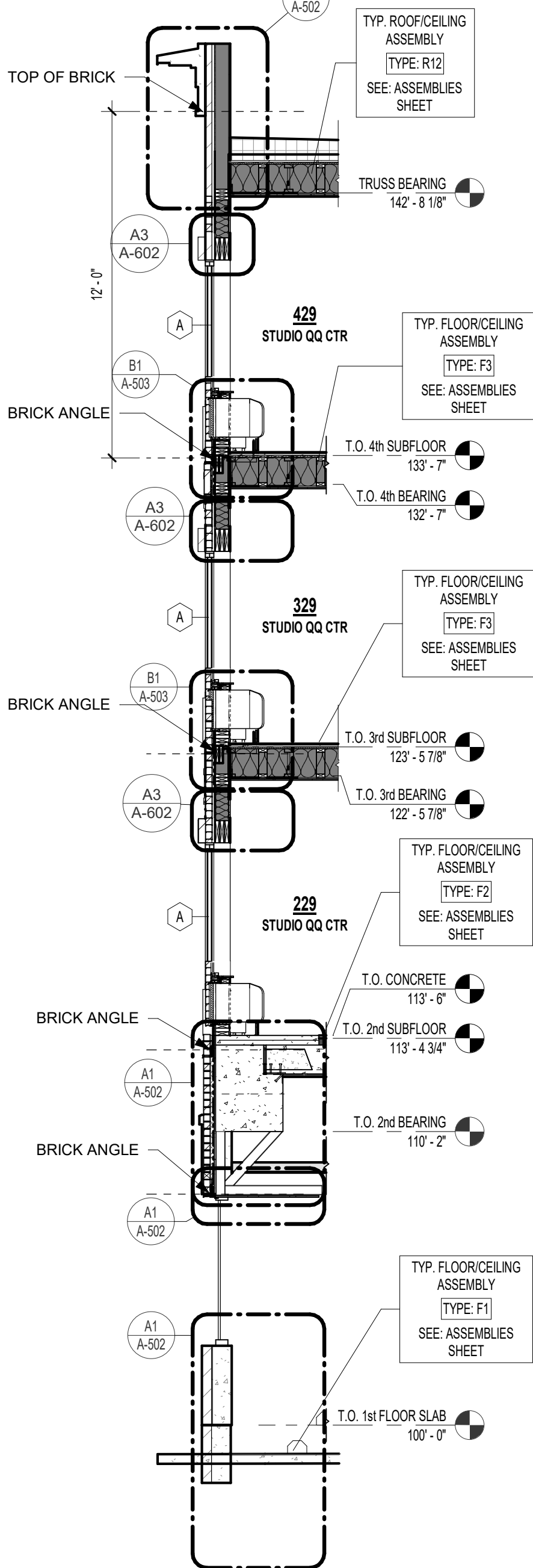
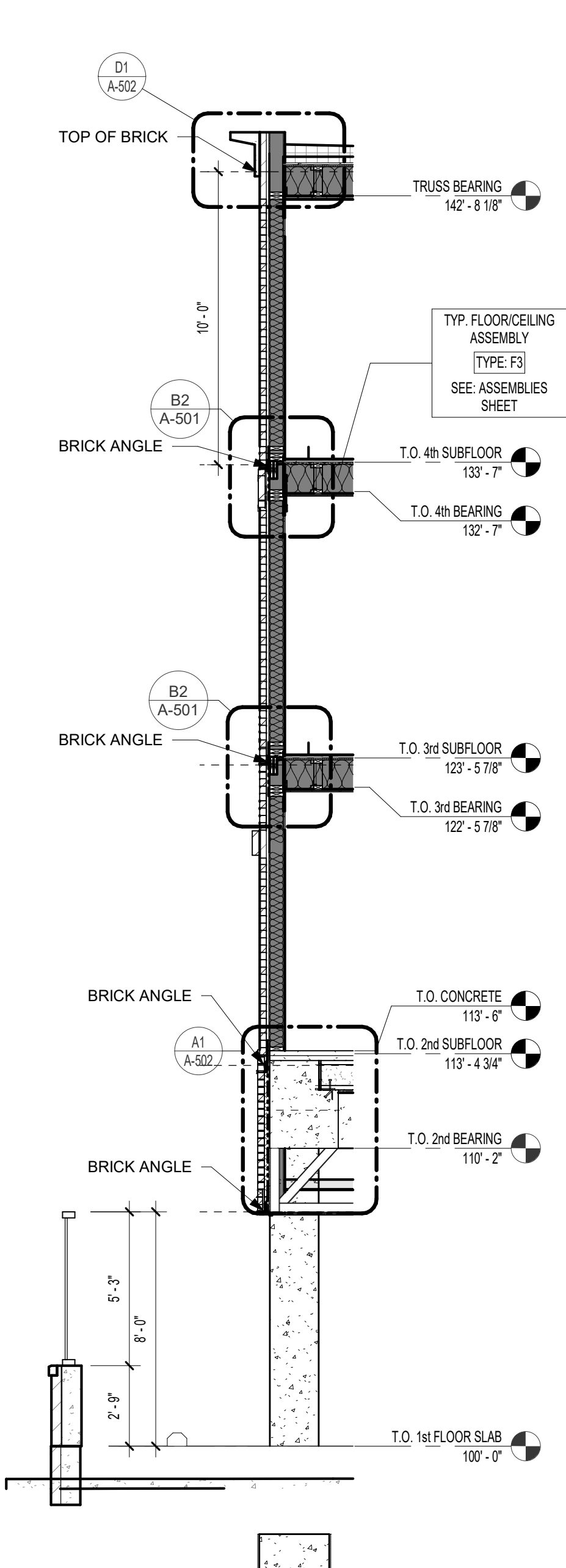
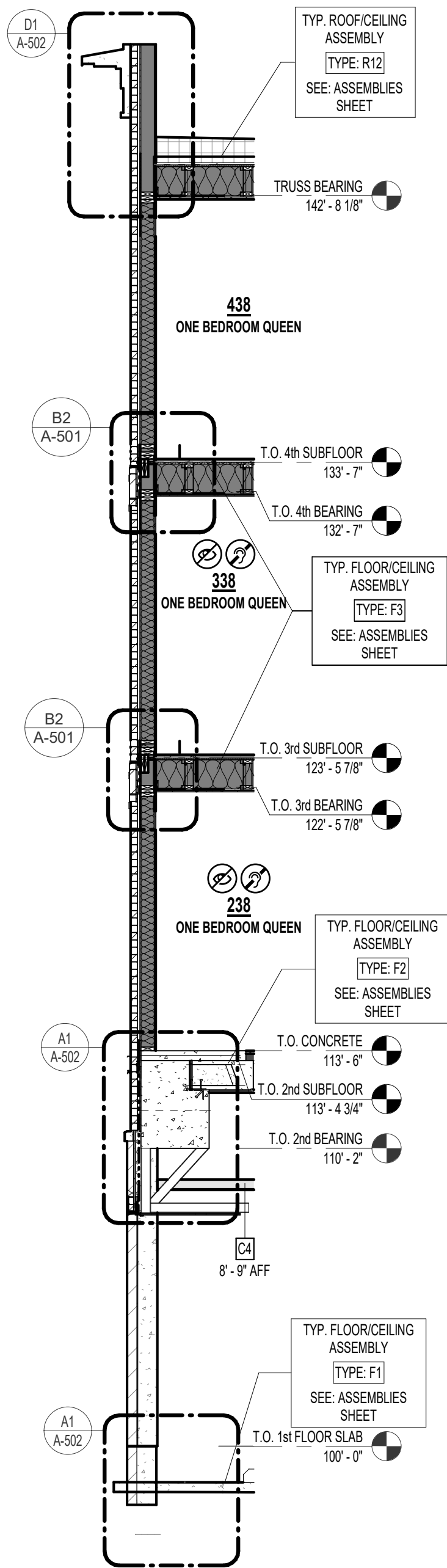
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
WALL SECTIONS

PROJECT NUMBER: 23098

SHEET NUMBER:

A-302



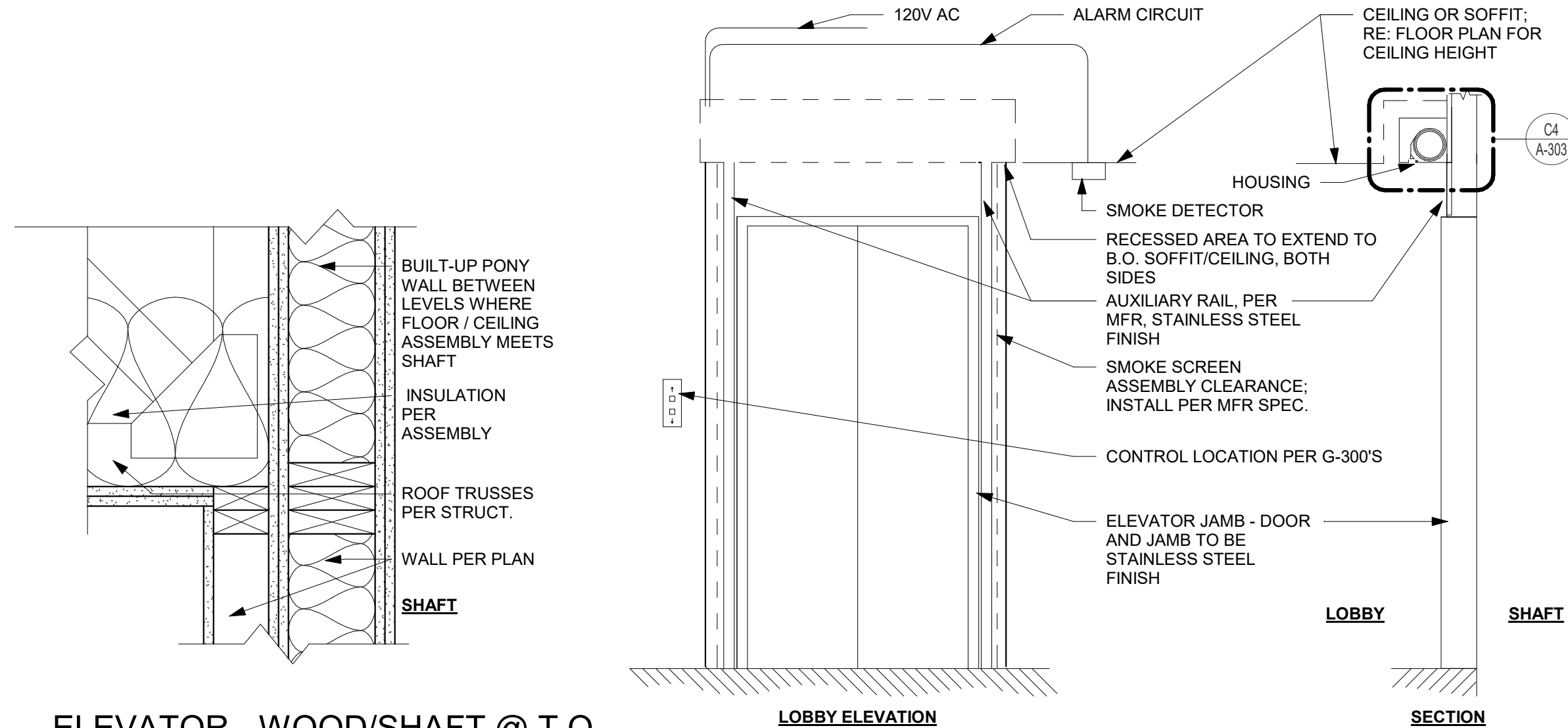
5 WALL SECTION AT GARAGE 6
1/4" = 1'-0"

4 WALL SECTION AT GARAGE 3
1/4" = 1'-0"

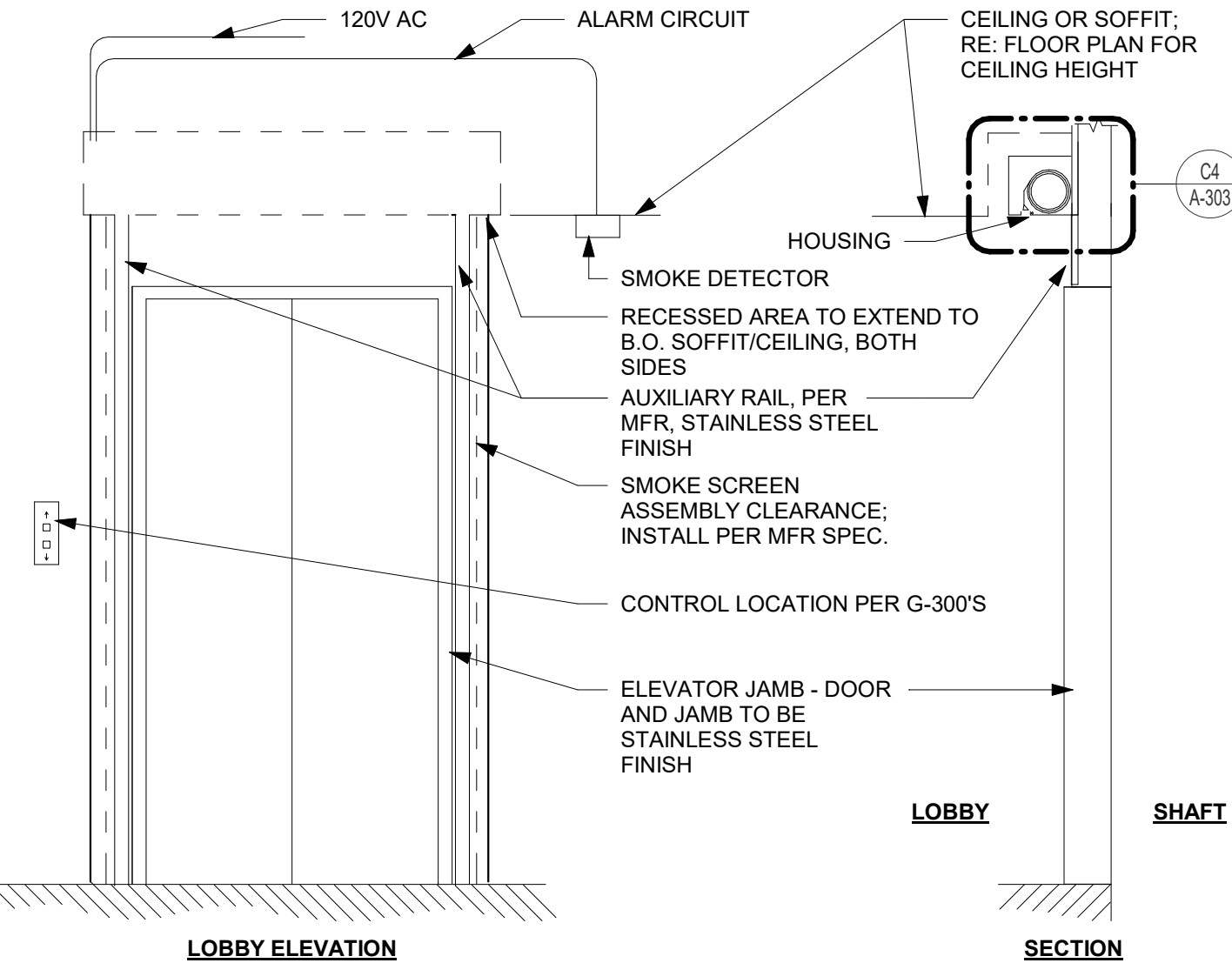
3 WALL SECTION AT GARAGE 2
1/4" = 1'-0"

2 WALL SECTION AT GARAGE 1
1/4" = 1'-0"

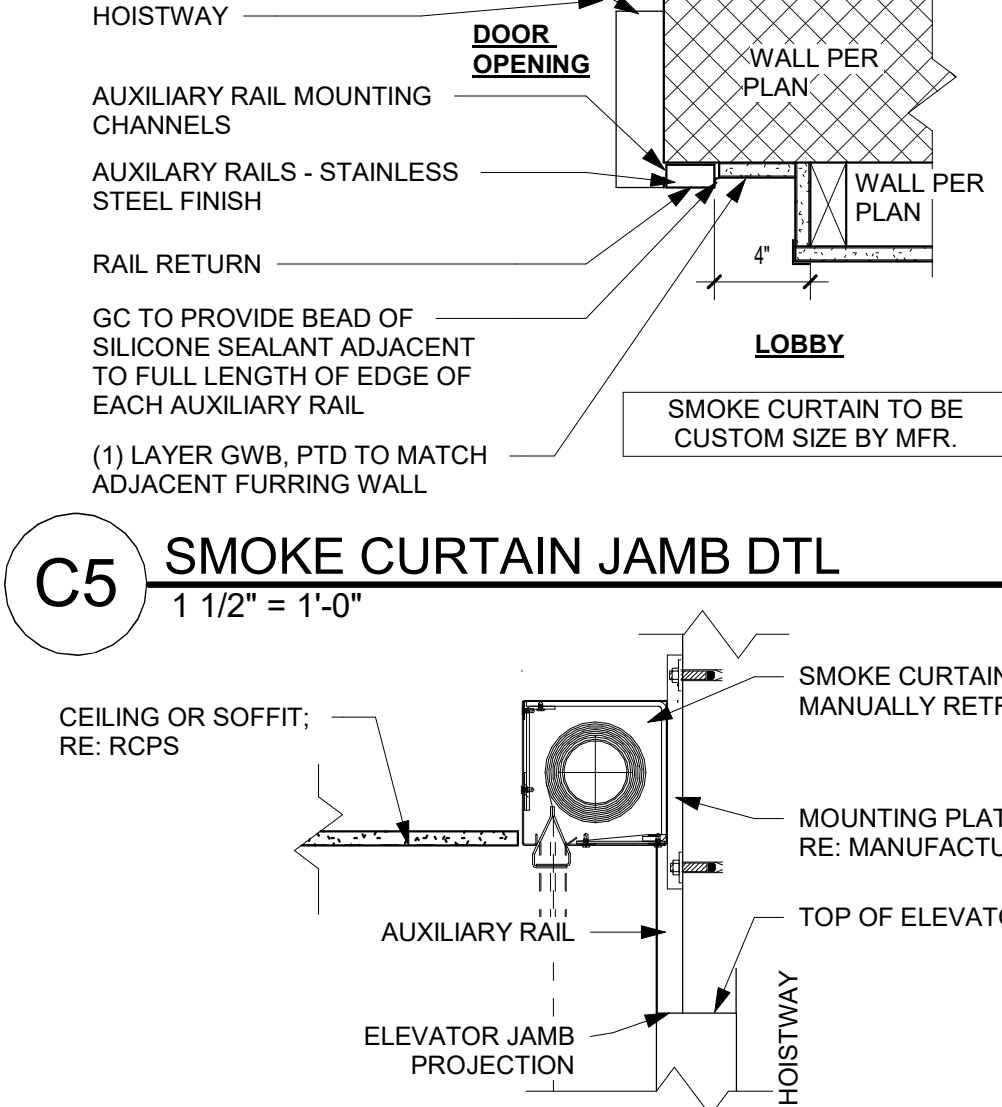
1 WALL SECTION AT BALCONY
1/4" = 1'-0"



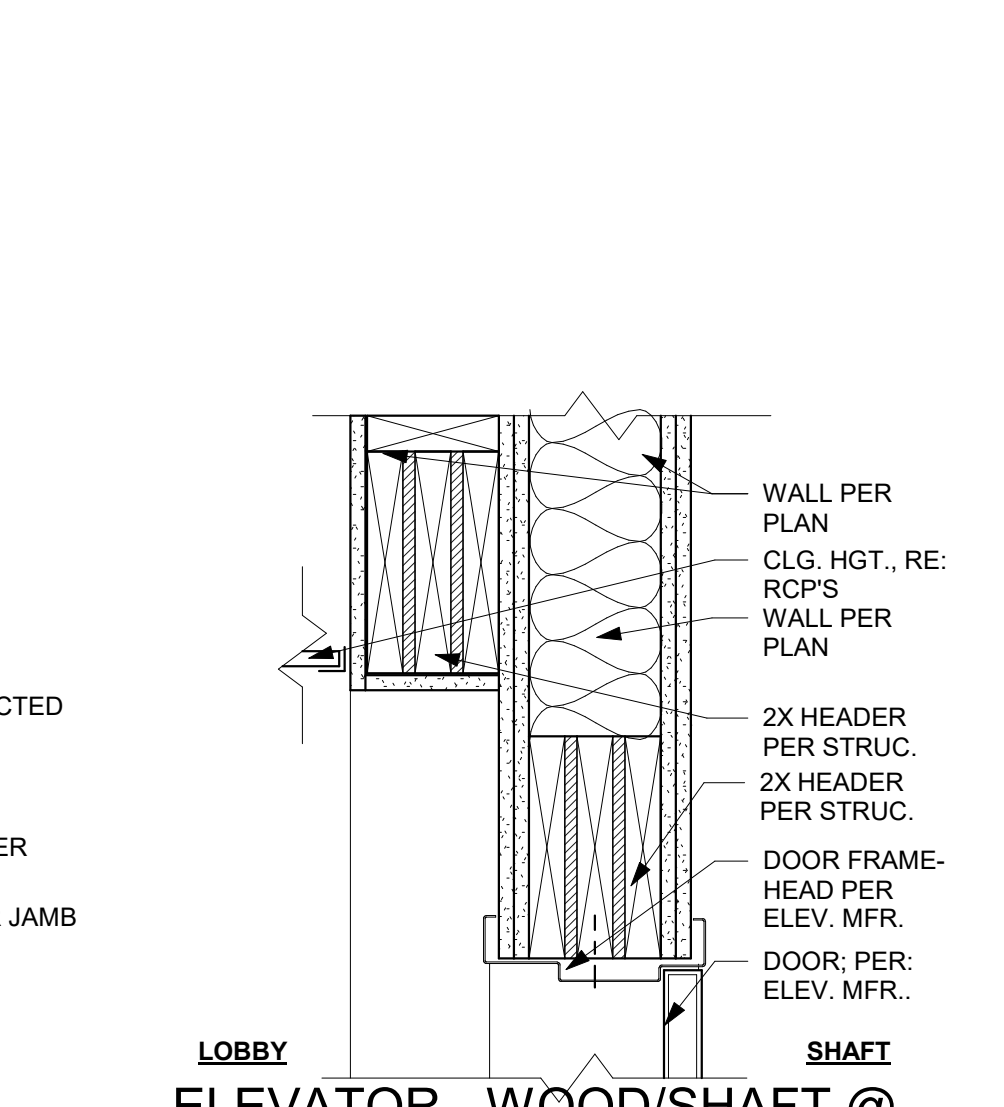
E4 ELEVATOR - WOOD/SHAFT @ T.O. ELEVATOR SHAFT
1 1/2" = 1'-0"



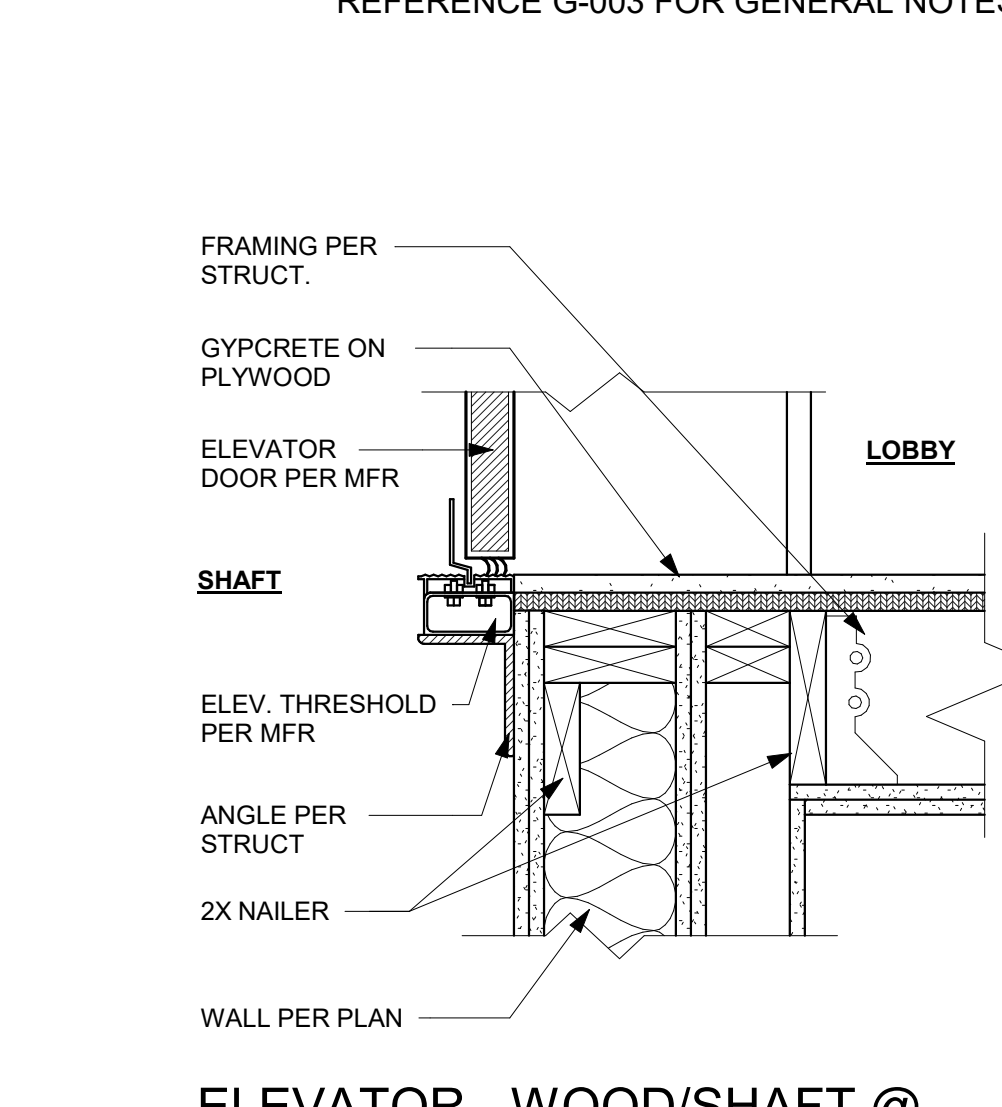
D4 SMOKE CURTAIN ELEV SECTION AND ELEVATION
1/2" = 1'-0"



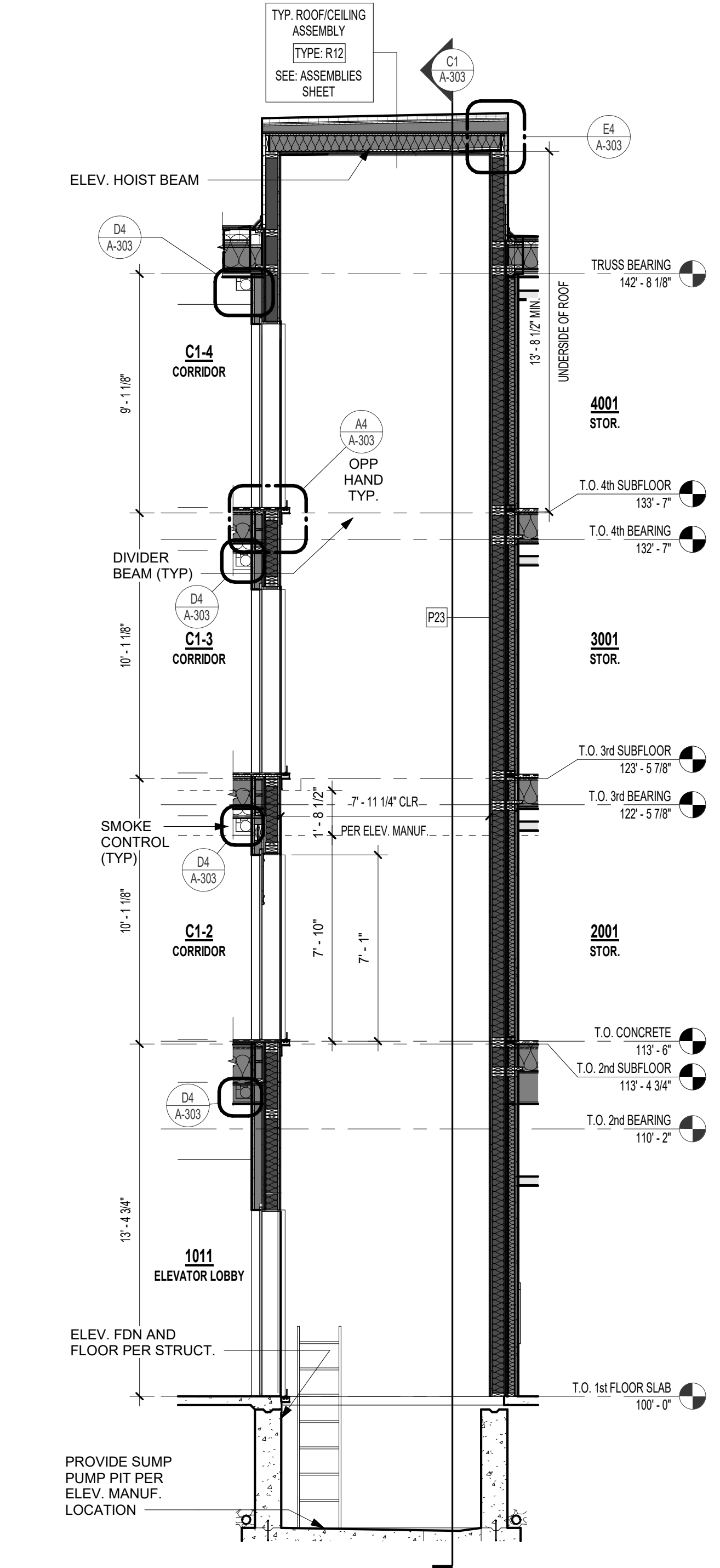
C5 SMOKE CURTAIN JAMB DTL
1 1/2" = 1'-0"



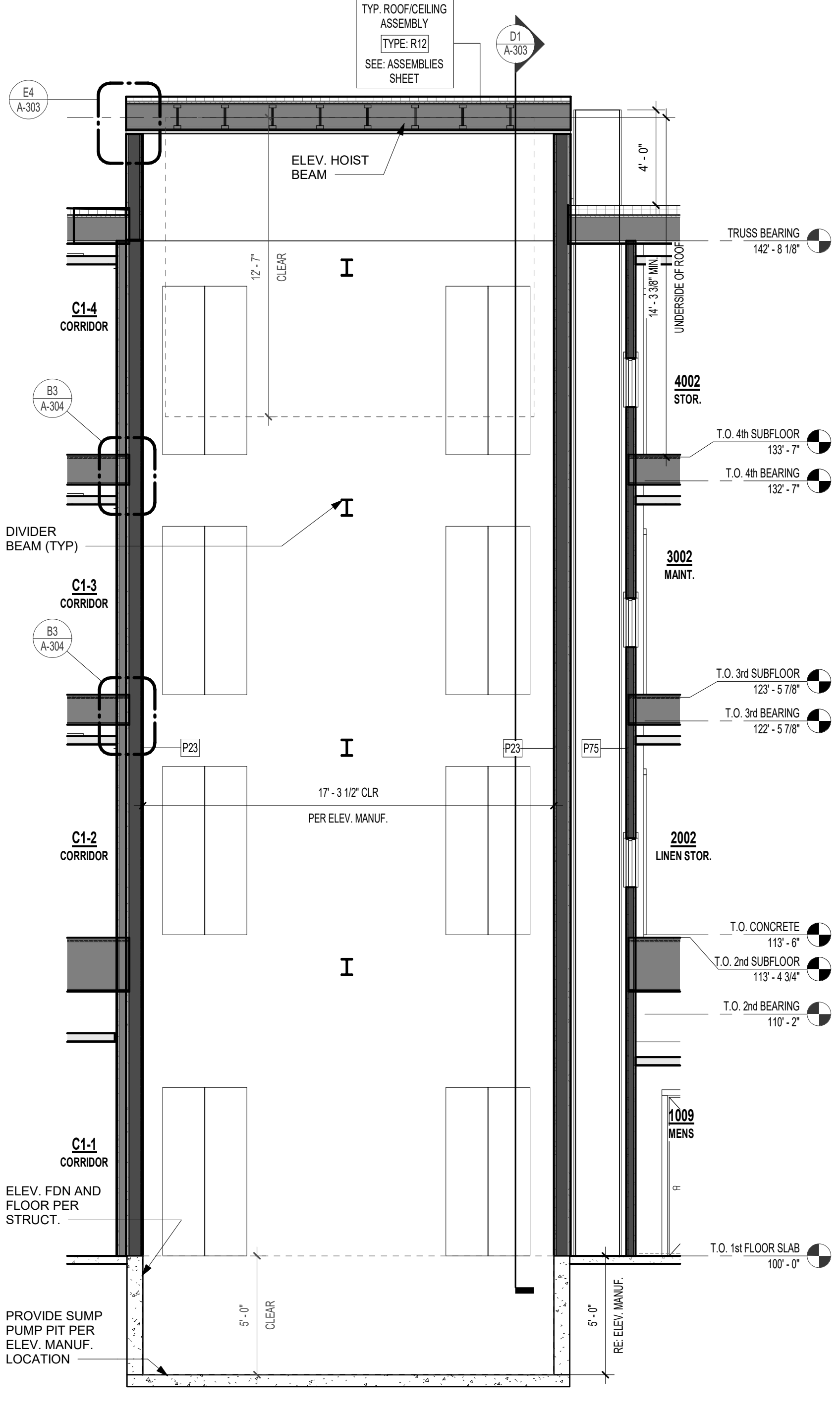
B4 ELEVATOR - WOOD/SHAFT @ DOOR HEAD
1 1/2" = 1'-0"



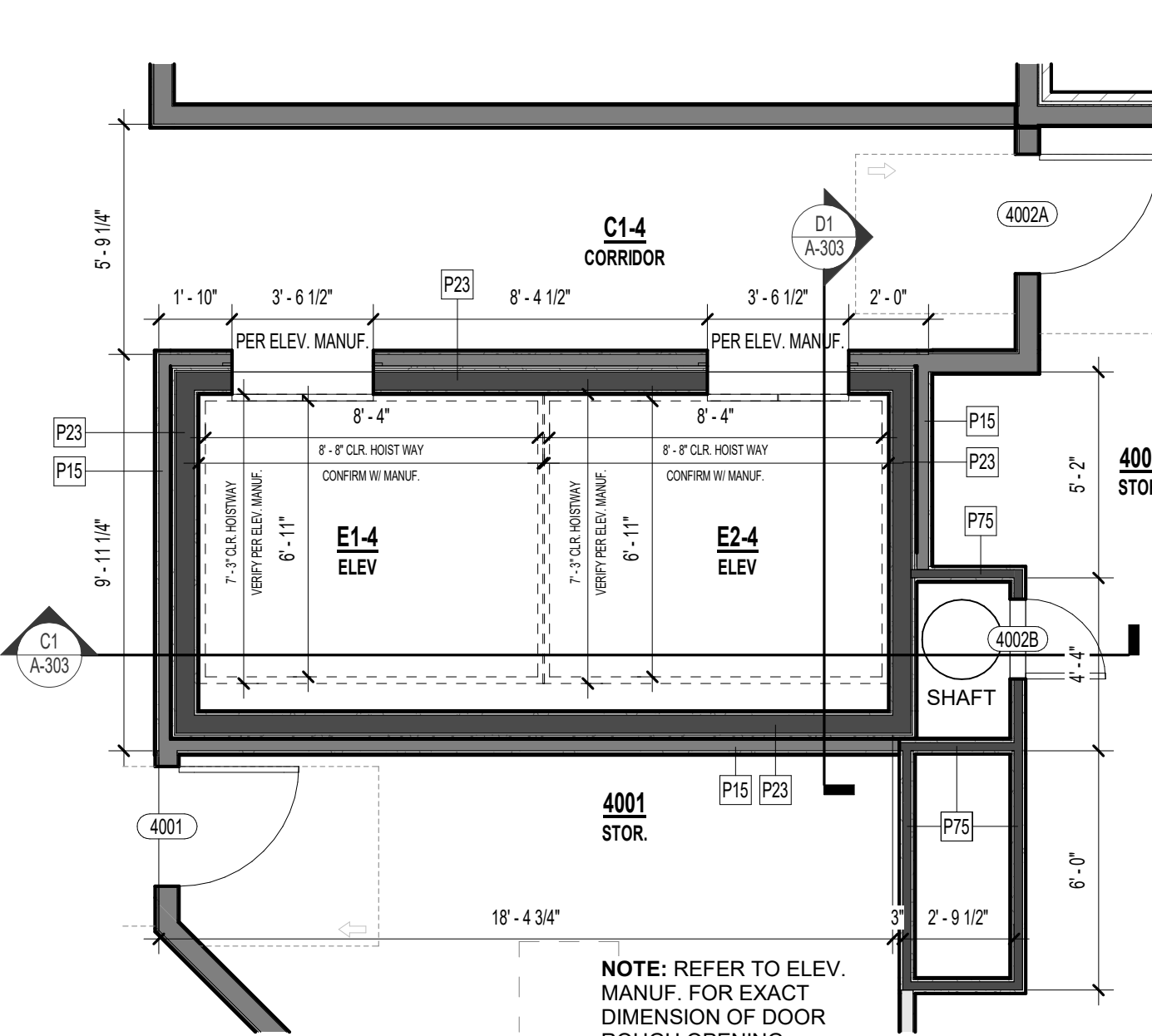
A4 ELEVATOR - WOOD/SHAFT @ THRESHOLD
1 1/2" = 1'-0"



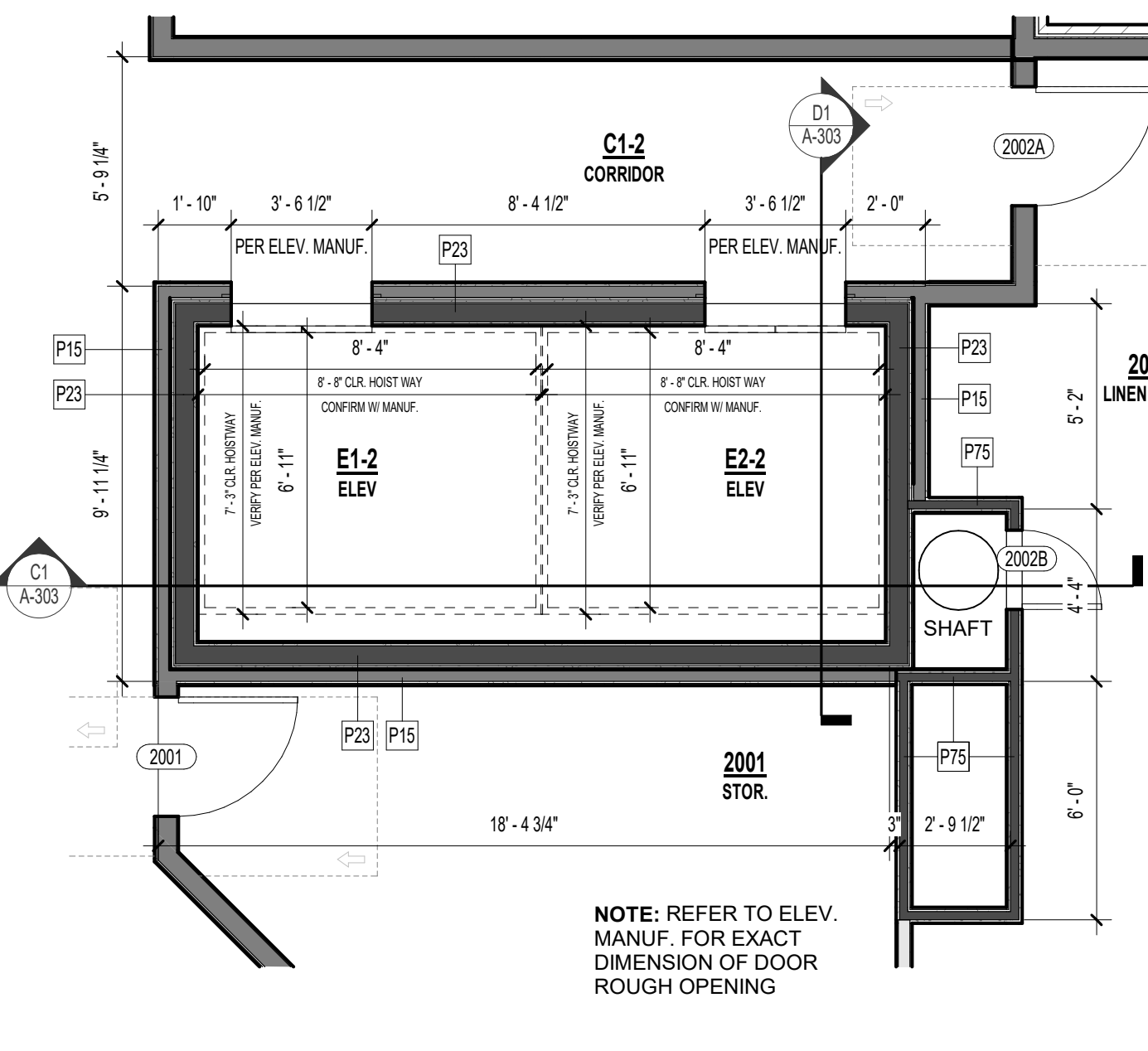
D1 ELEVATOR SECTION 1
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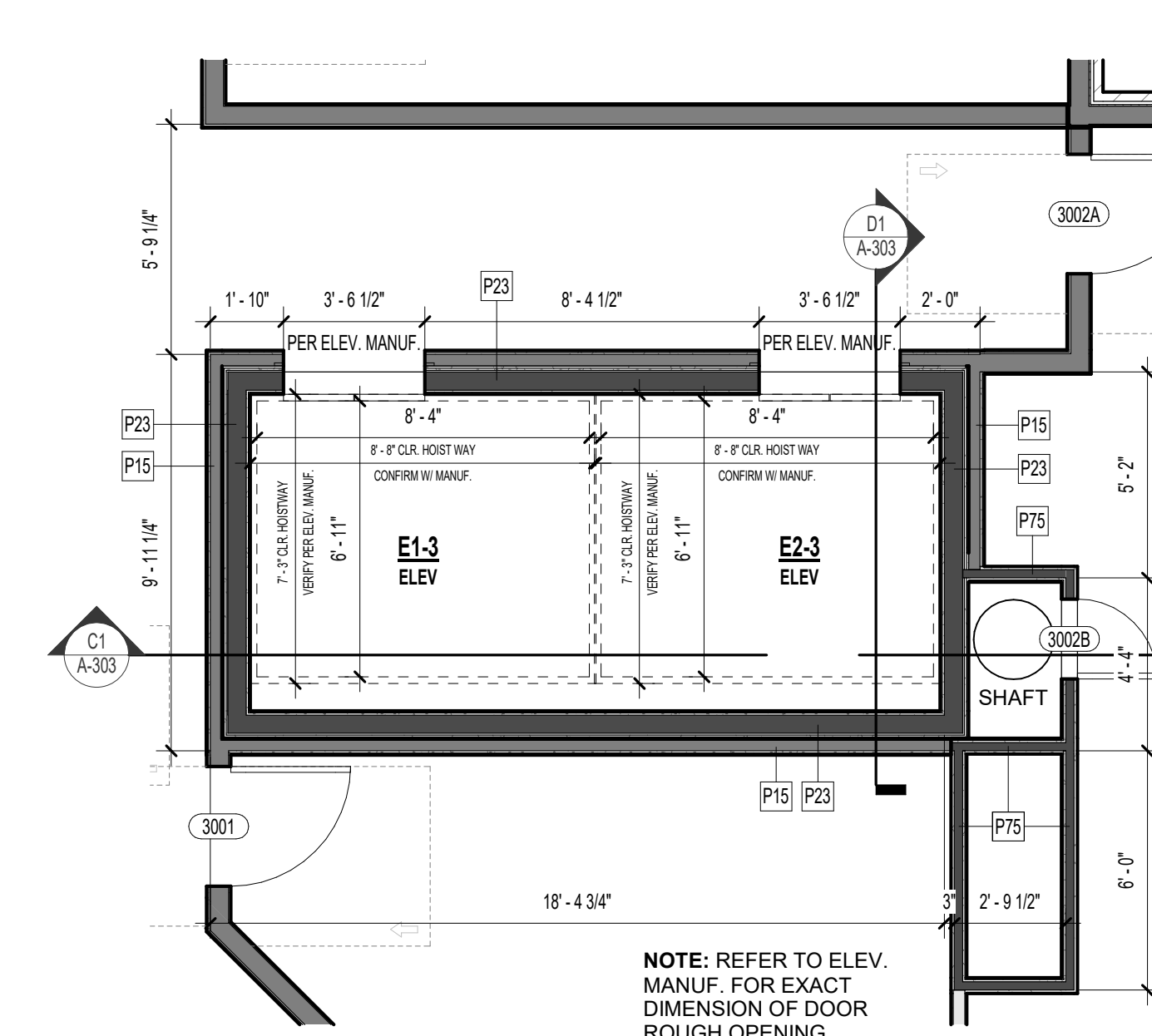
C1 ELEVATOR SECTION 2
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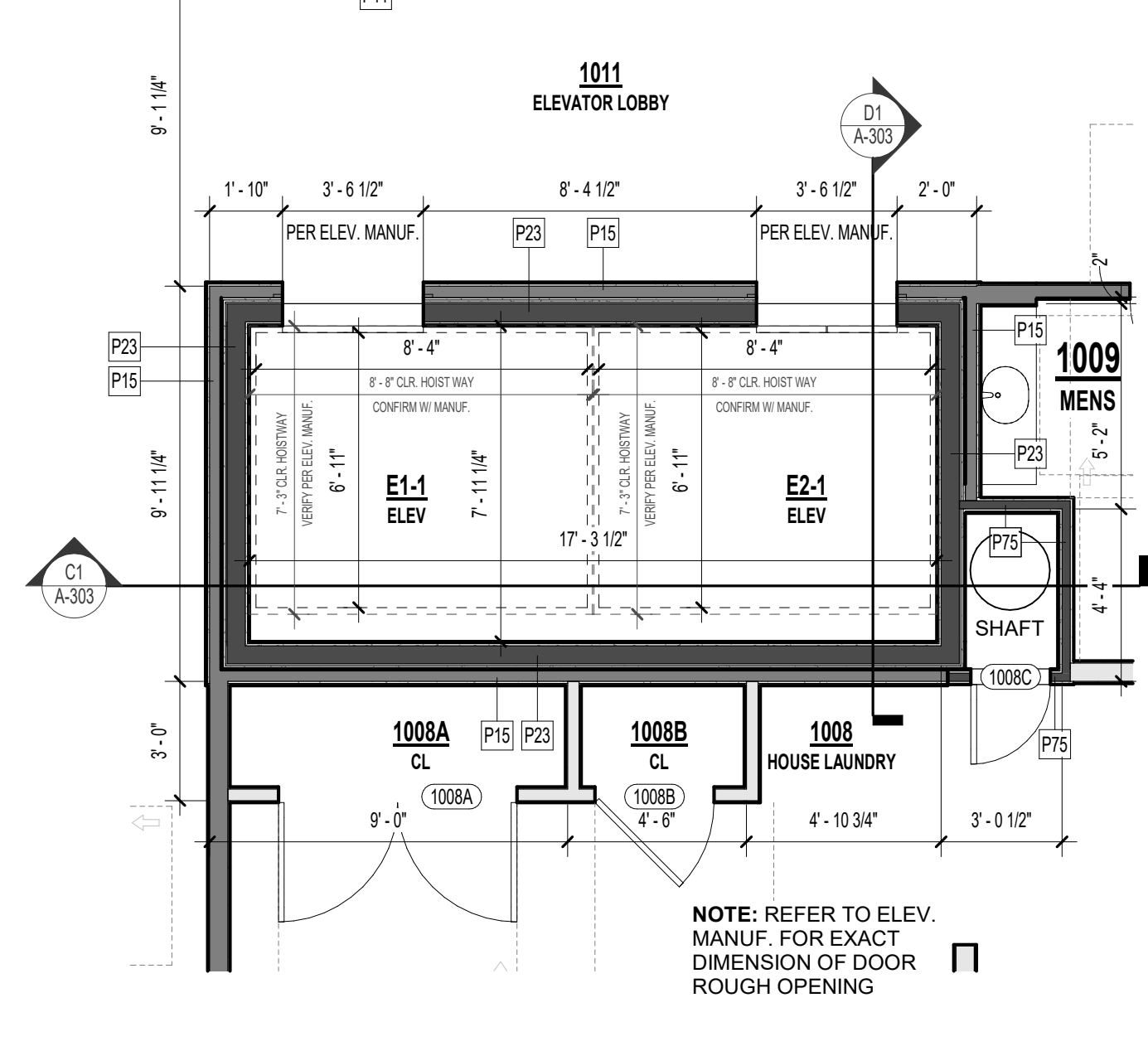
B2 ELEVATORS - 4TH FLOOR ENLARGED
1/4" = 1'-0"



B1 ELEVATORS - 2ND FLOOR ENLARGED
1/4" = 1'-0"



A2 ELEVATORS - 3RD FLOOR ENLARGED
1/4" = 1'-0"



A1 ELEVATORS - 1ST FLOOR ENLARGED
1/4" = 1'-0"

REFERENCE G-003 FOR GENERAL NOTES

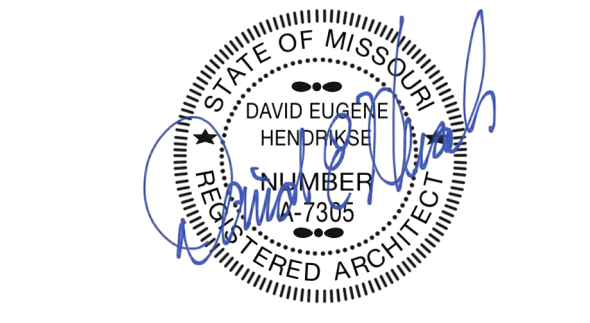
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TOWNEPLACE SUITES

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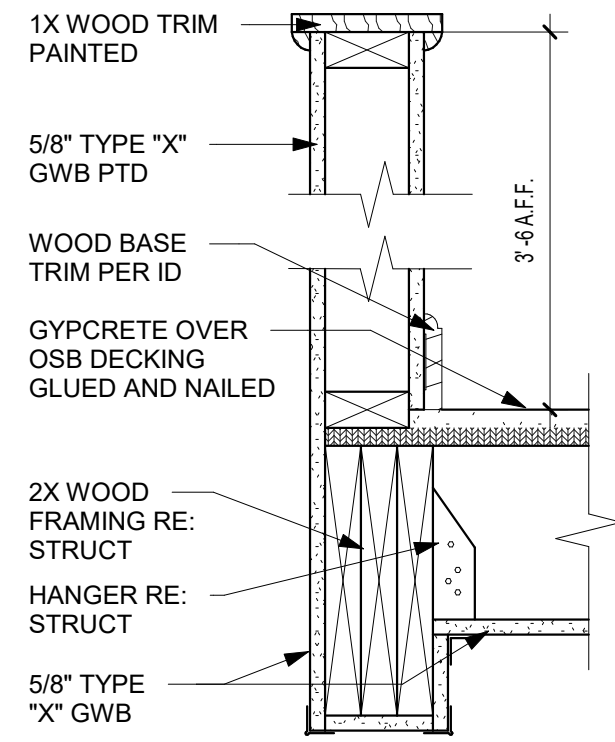
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ELEVATOR SECTION & DETAILS

PROJECT NUMBER: 23098

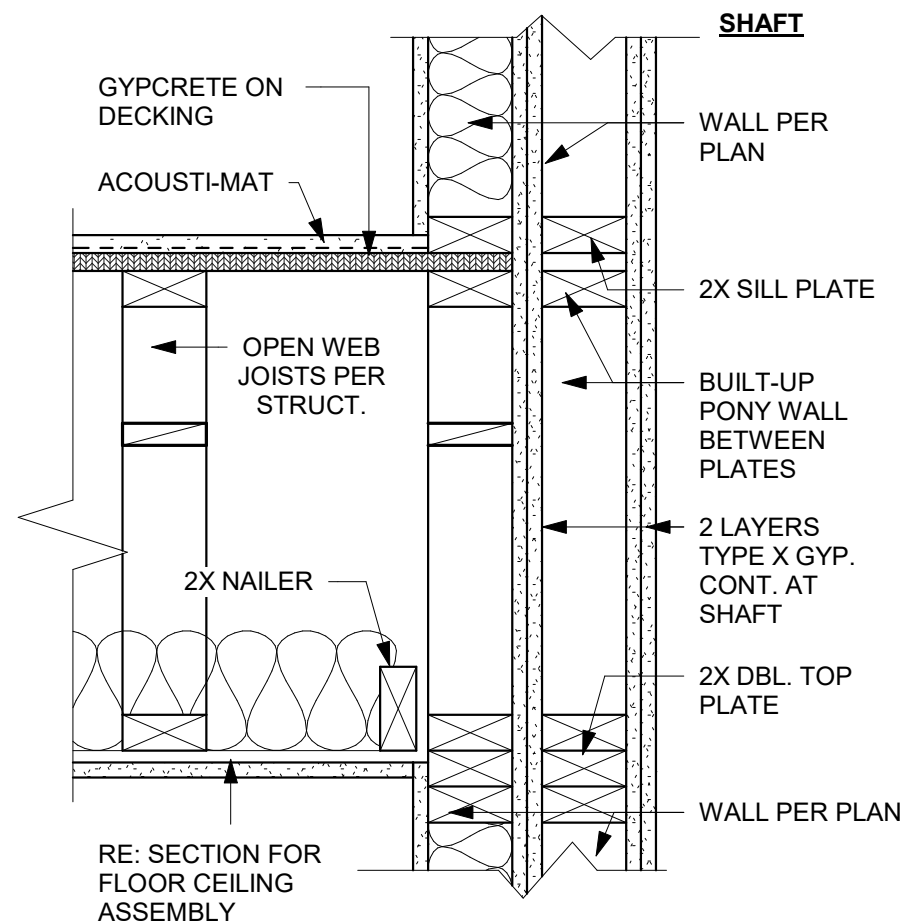
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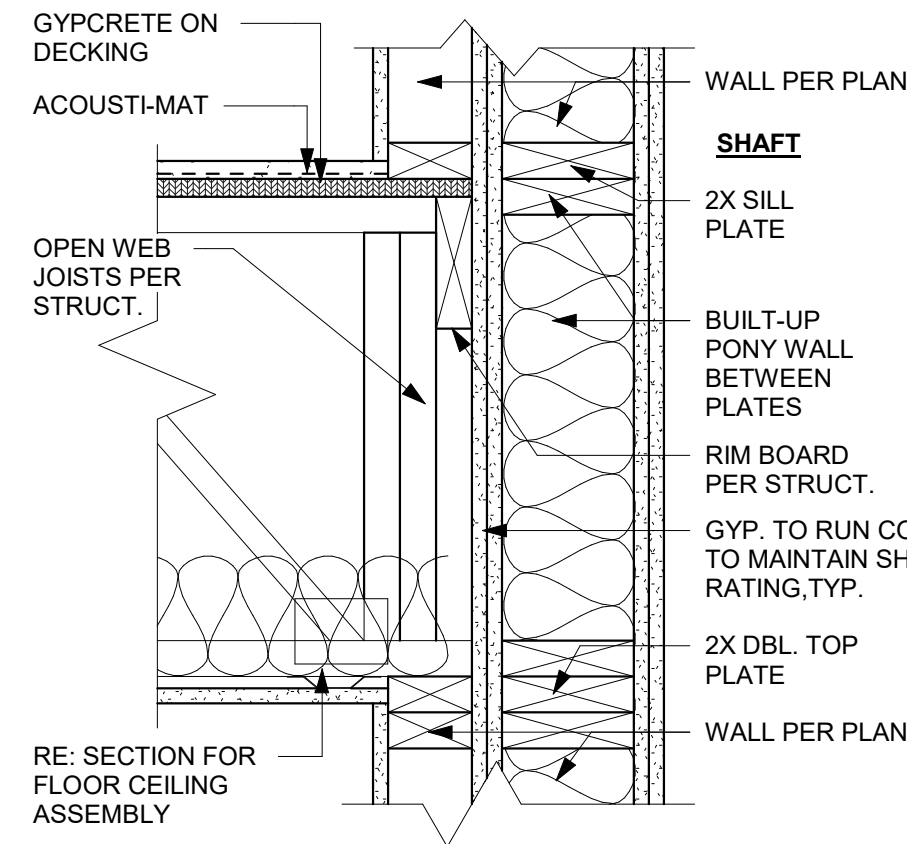
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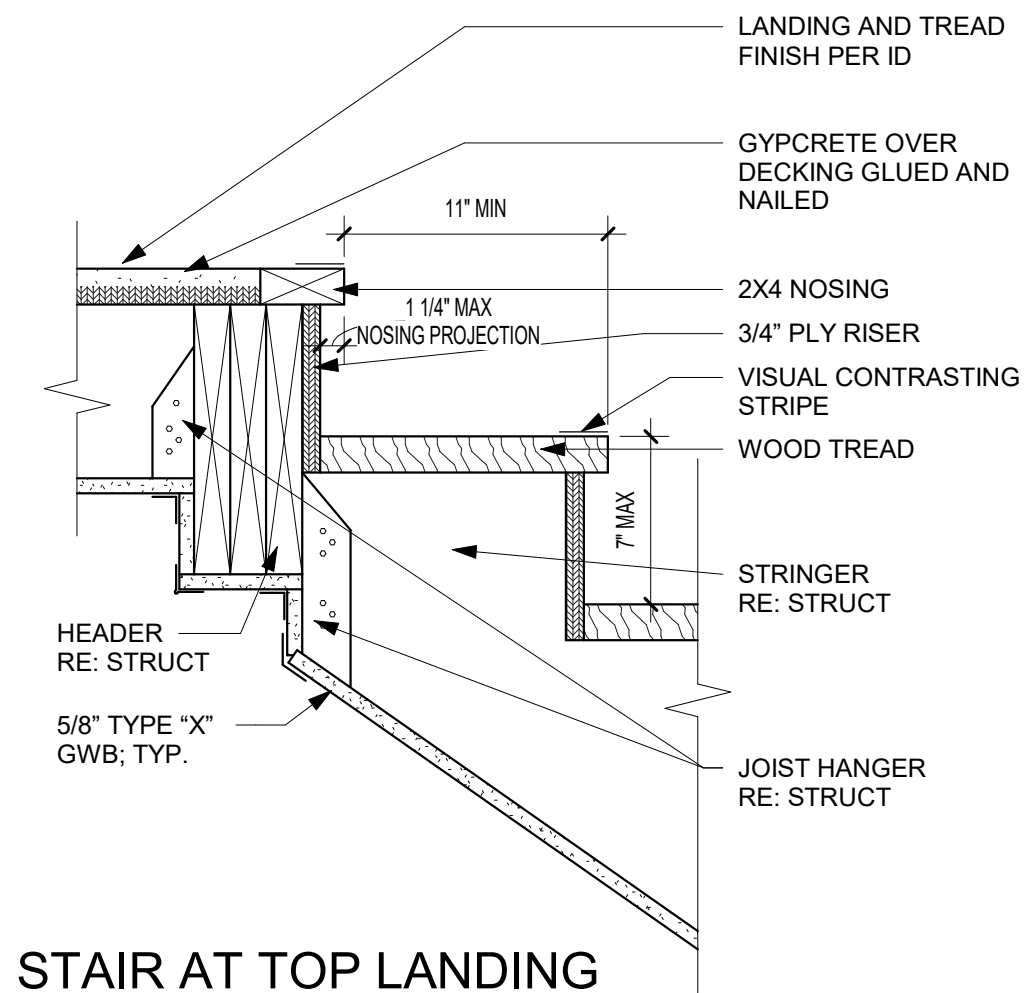
E3 WOOD STAIR KNEE WALL
1 1/2" = 1'-0"



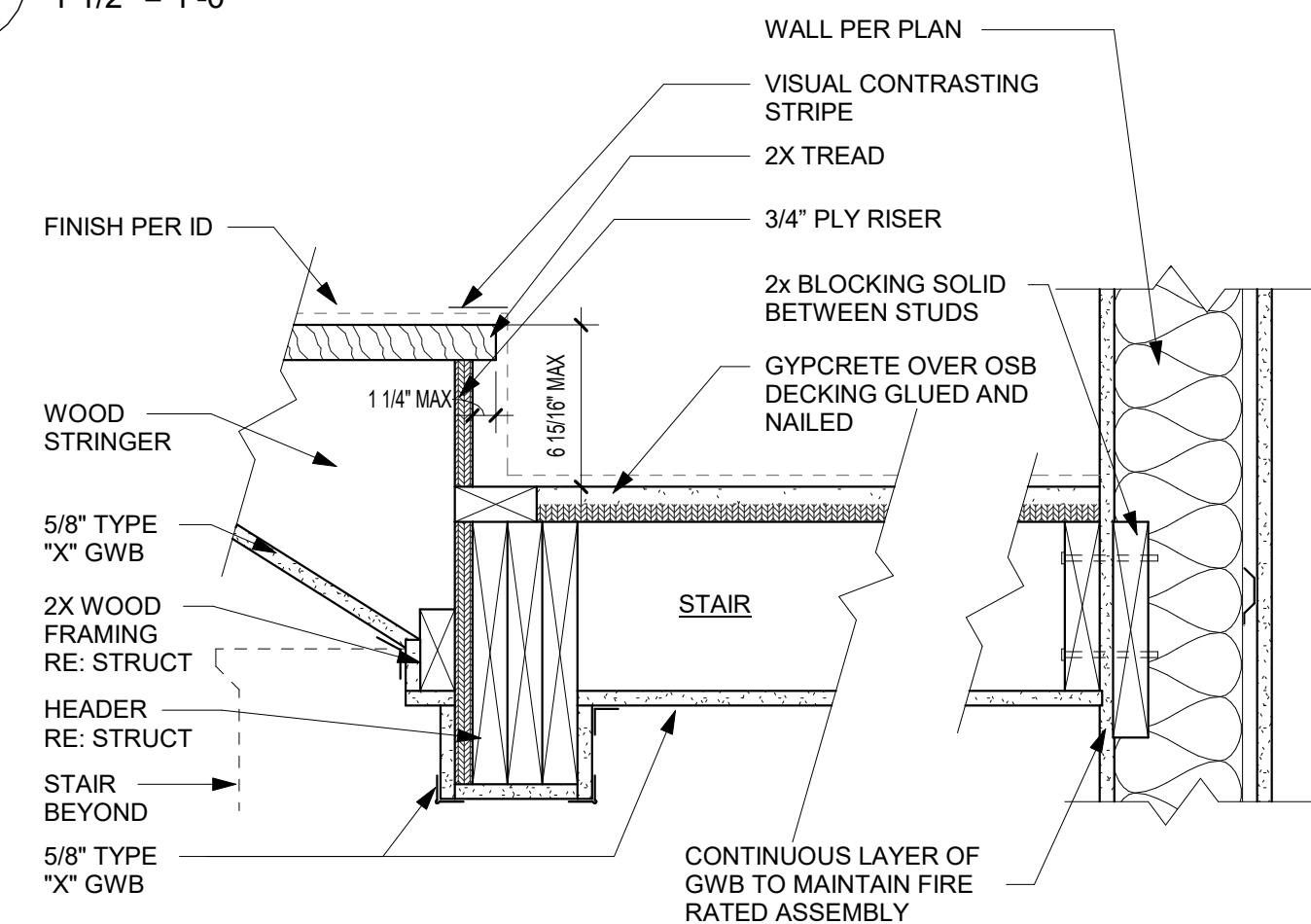
D3 WOOD/SHAFT FRAMING 2
1 1/2" = 1'-0"



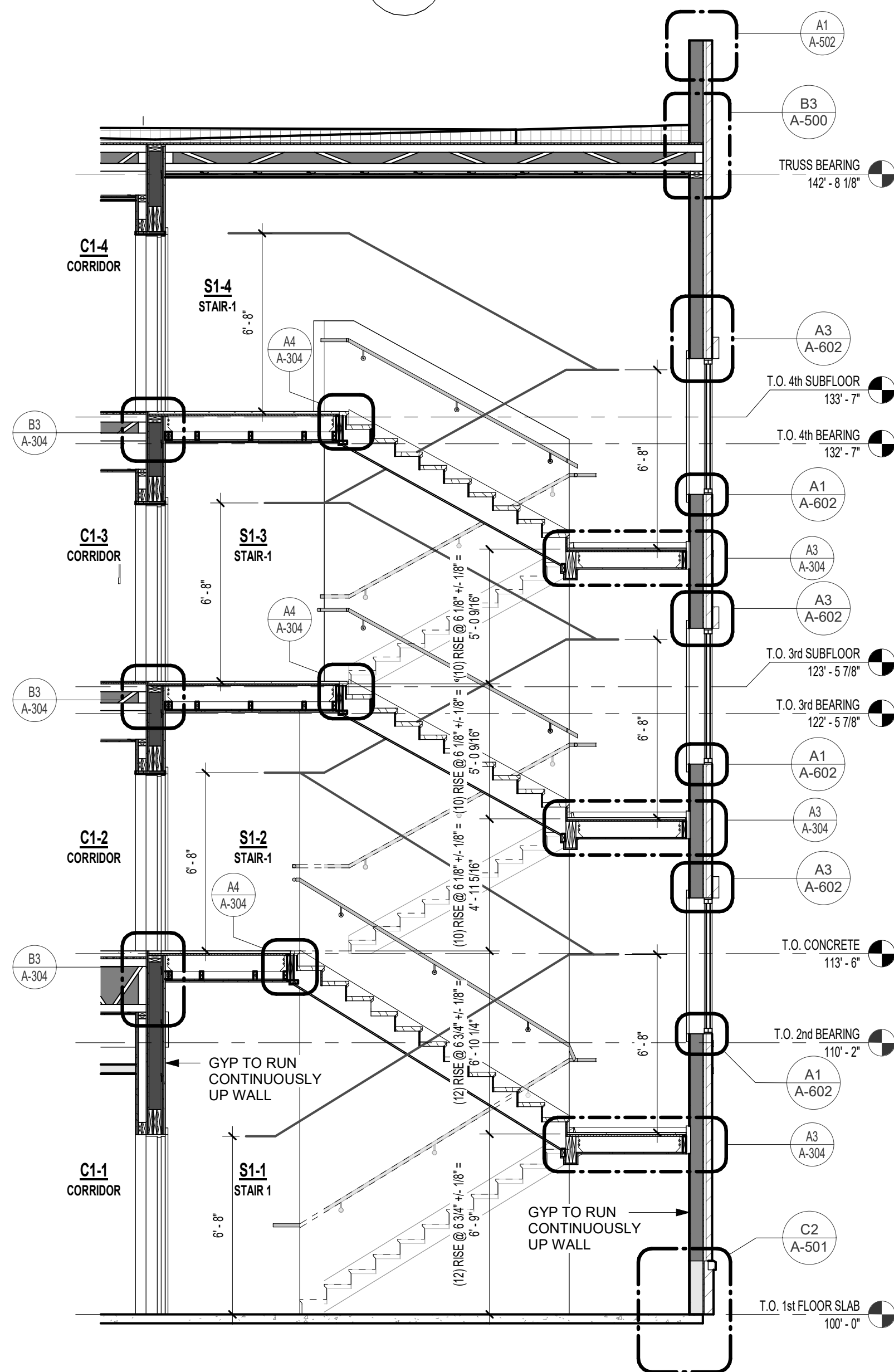
B3 WOOD/SHAFT FRAMING 1
1 1/2" = 1'-0"



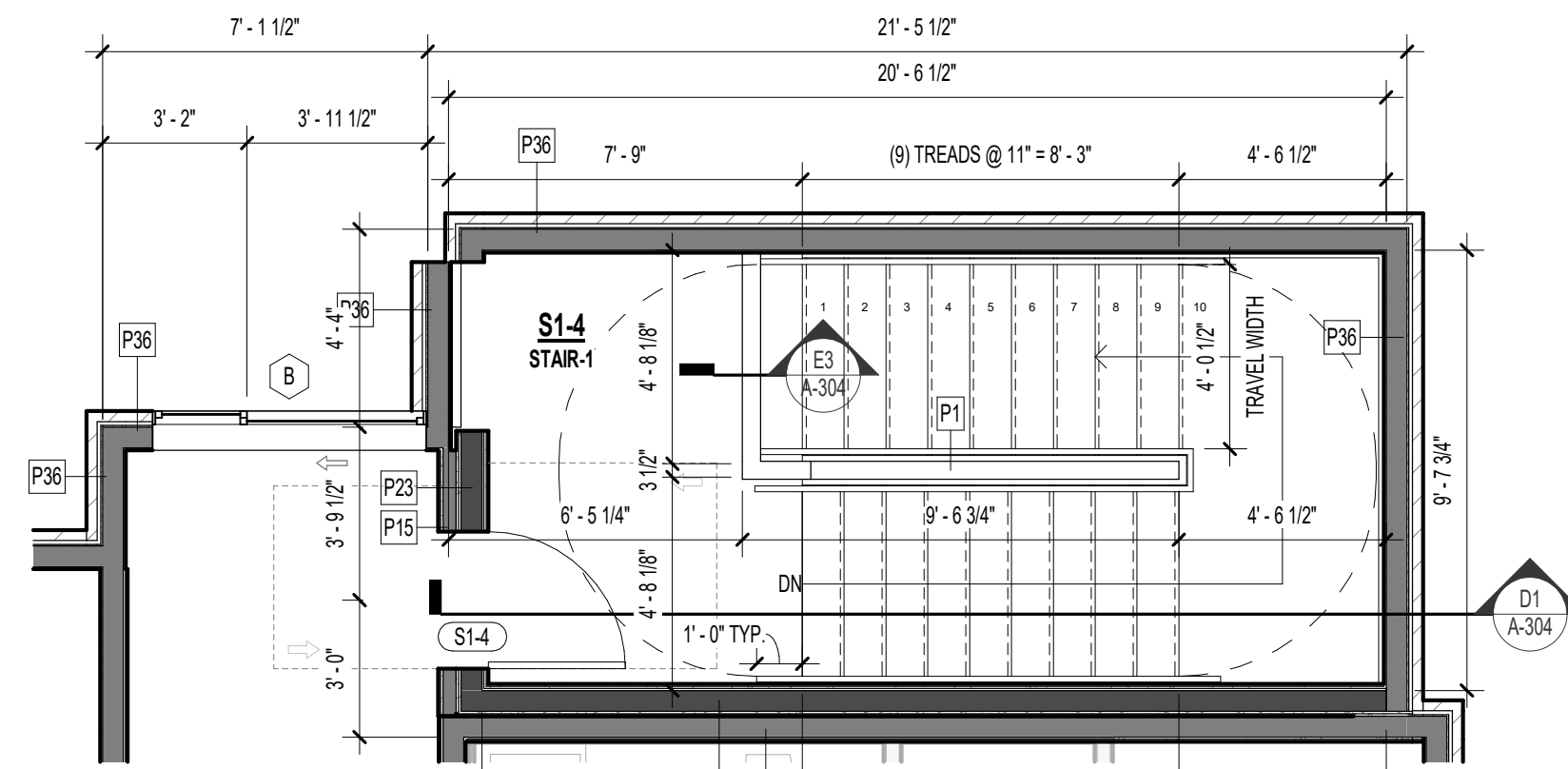
A4 WOOD STAIR AT TOP LANDING
1 1/2" = 1'-0"



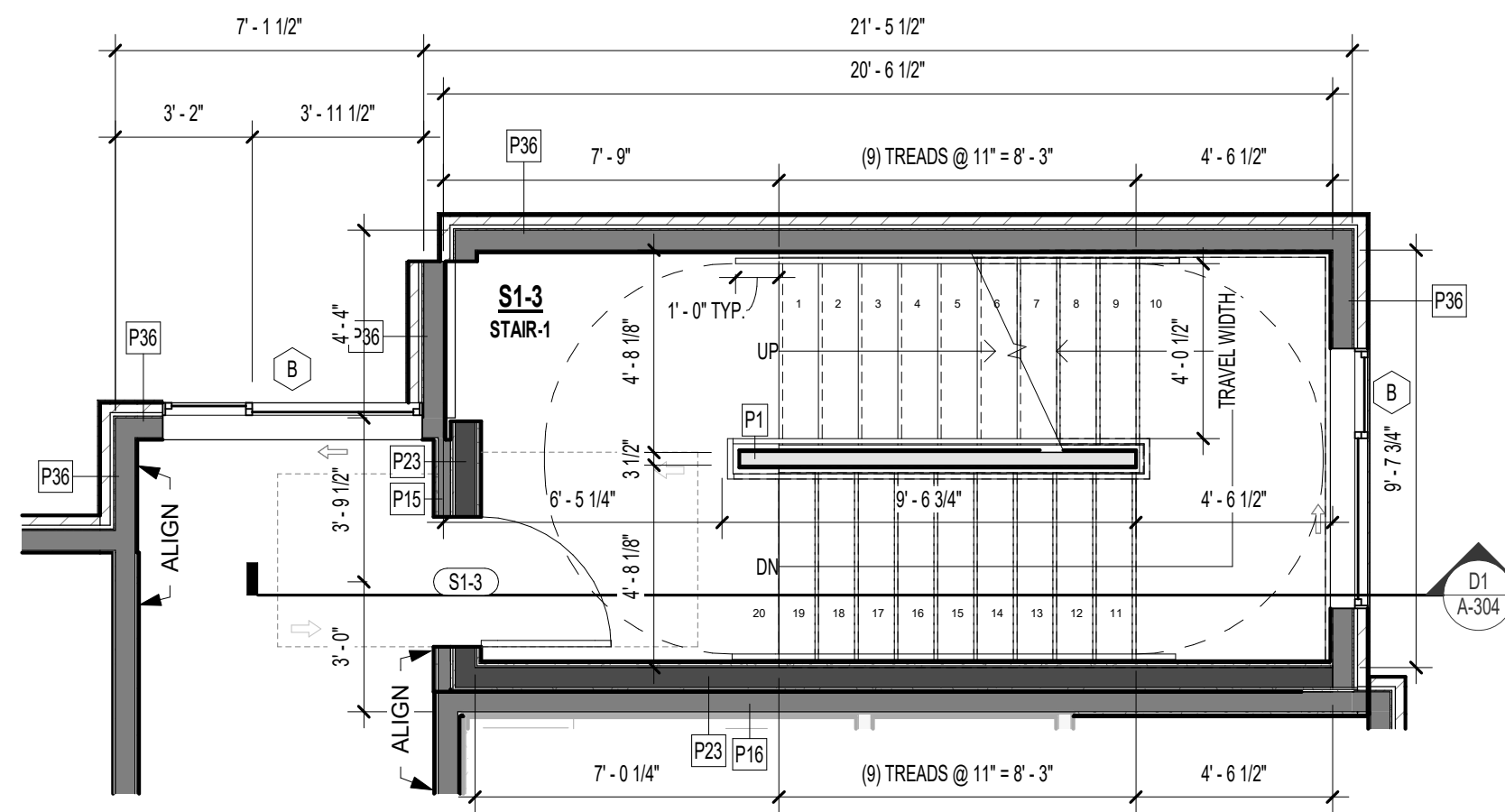
A3 WOOD STAIR AT BOTTOM LANDING
1 1/2" = 1'-0"



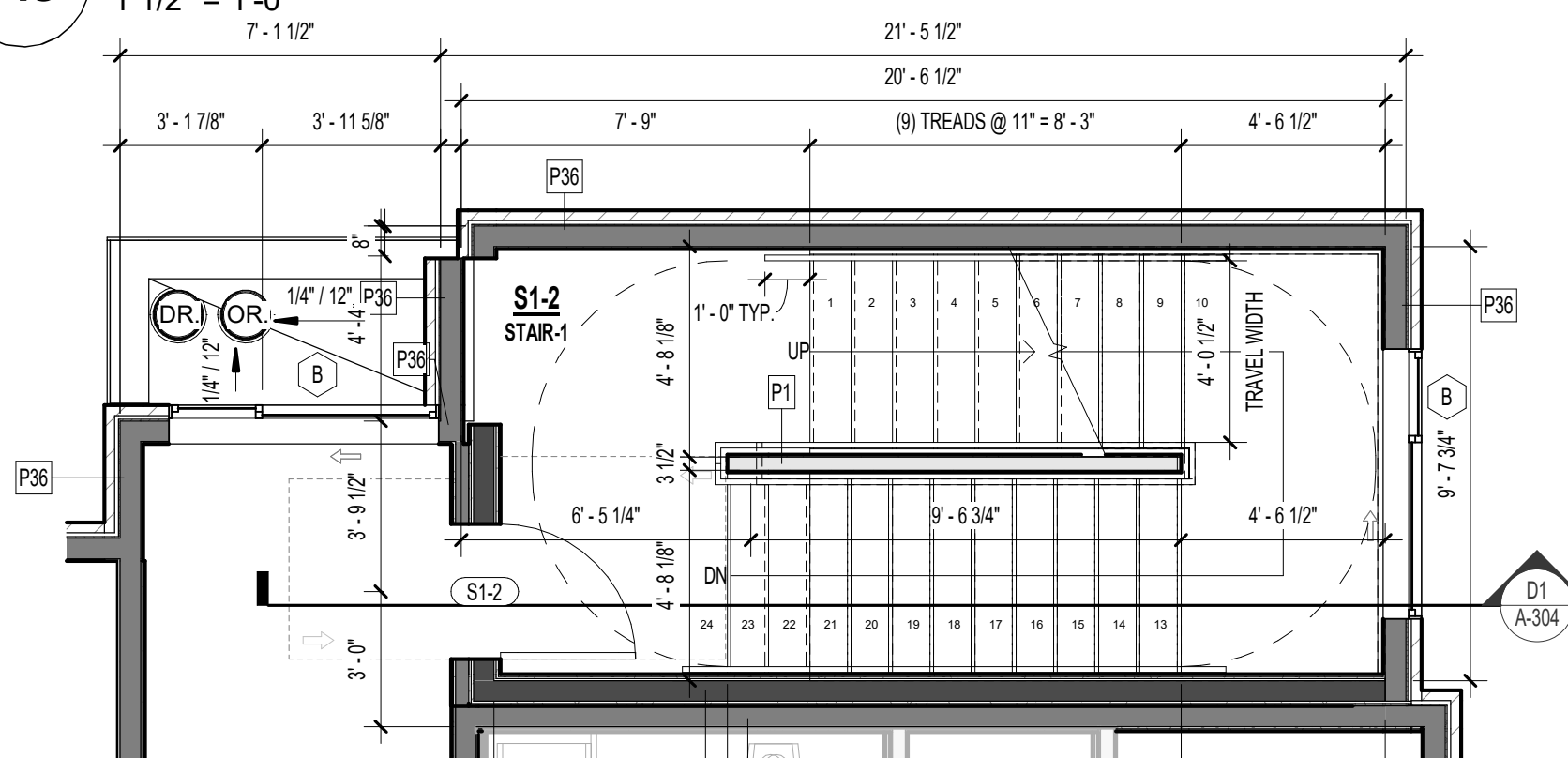
D1 NORTH STAIR SECTION
1/4" = 1'-0"



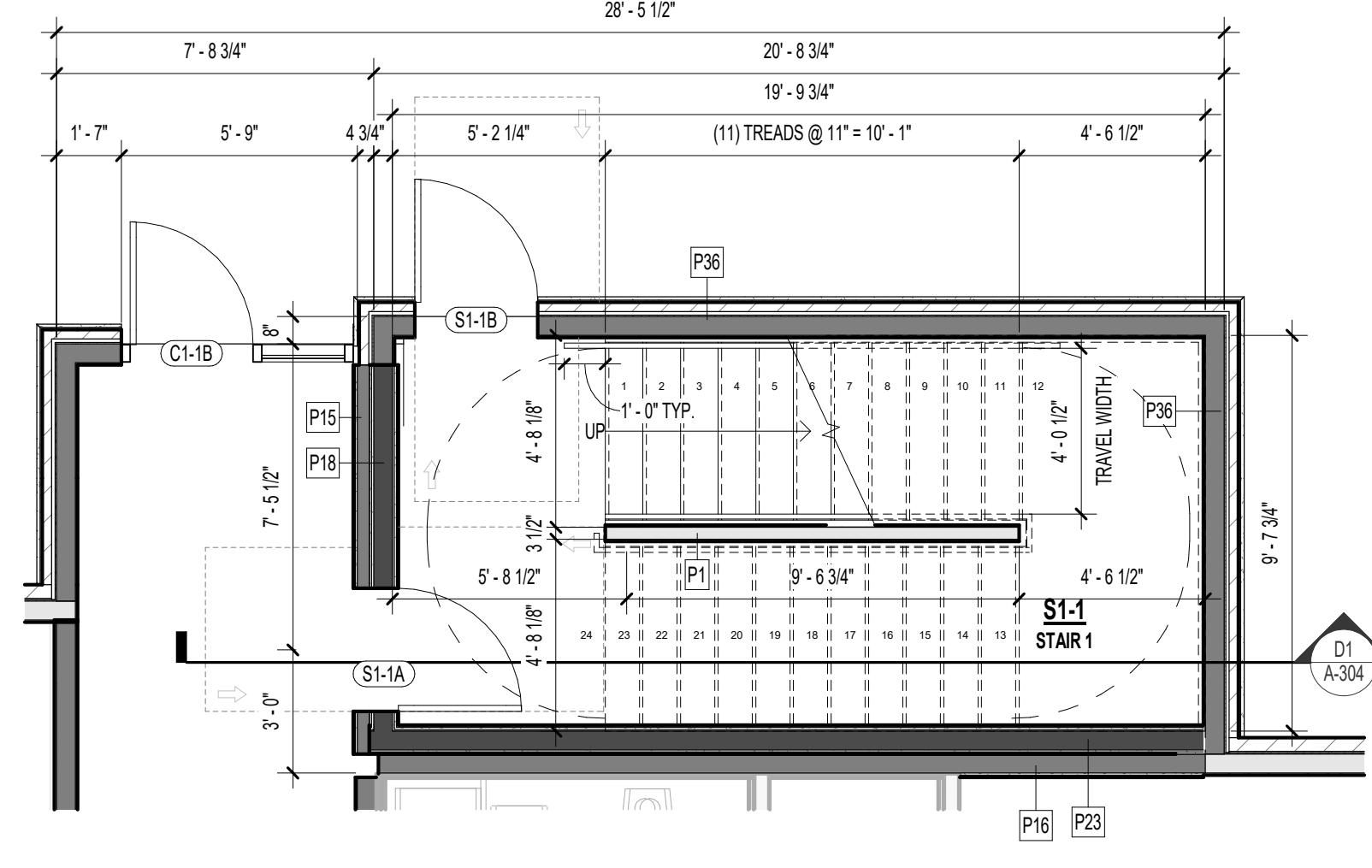
B2 NORTH STAIR - 4TH FLOOR ENLARGED
1/4" = 1'-0"



B1 NORTH STAIR - 3RD FLOOR ENLARGED
1/4" = 1'-0"



A2 NORTH STAIR - 2ND FLOOR ENLARGED
1/4" = 1'-0"

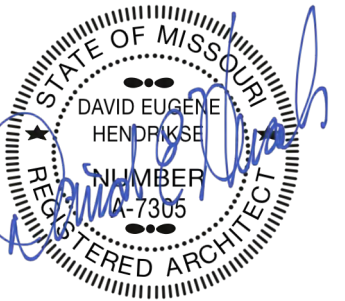


A1 NORTH STAIR - 1ST FLOOR ENLARGED PLAN
1/4" = 1'-0"

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TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
STAIR SECTION & DETAILS

PROJECT NUMBER: 23098

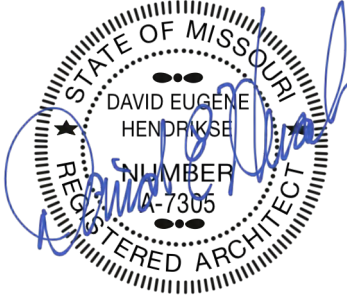
SHEET NUMBER:

A-304

KEYNOTE LEGEND

PRINTS ISSUED
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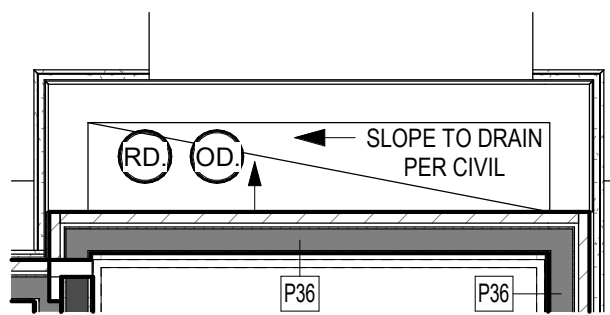


TOWNEPLACE SUITES

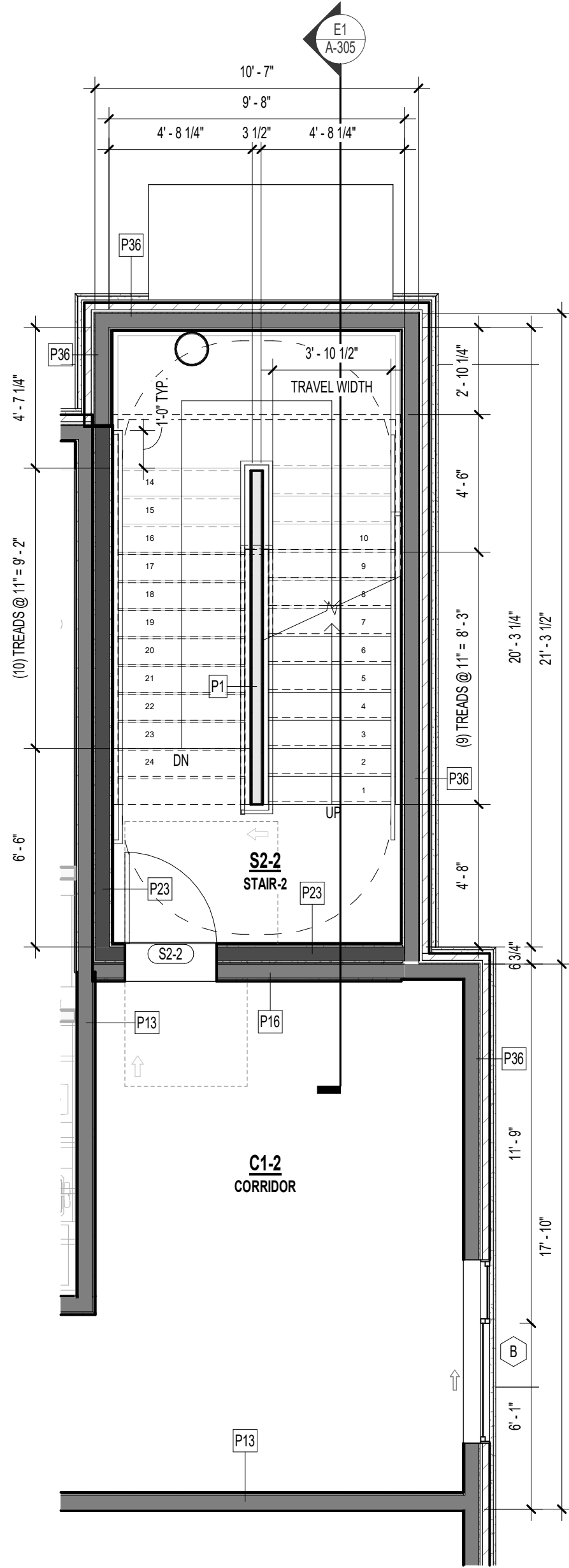
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
STAIR SECTION & DETAILS
PROJECT NUMBER: 23098
SHEET NUMBER:

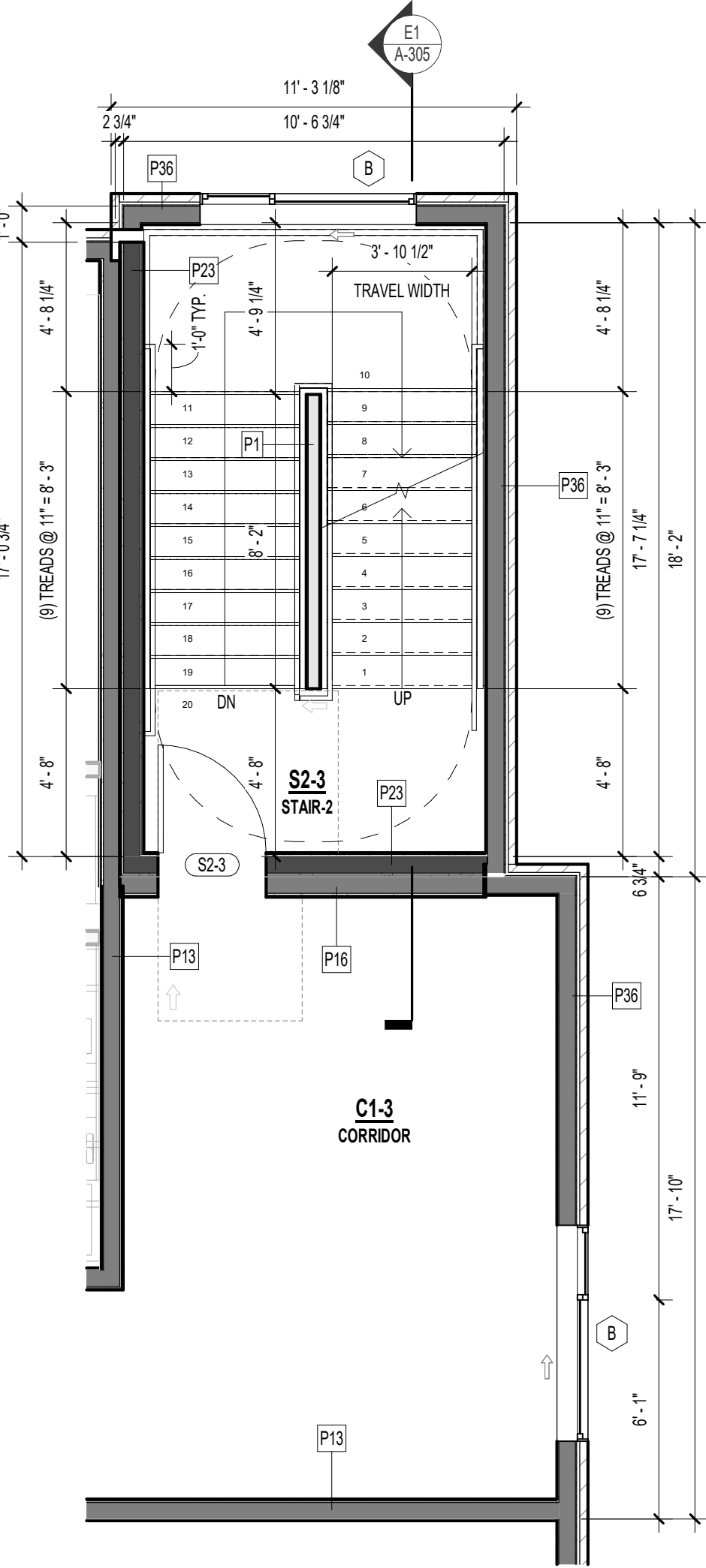
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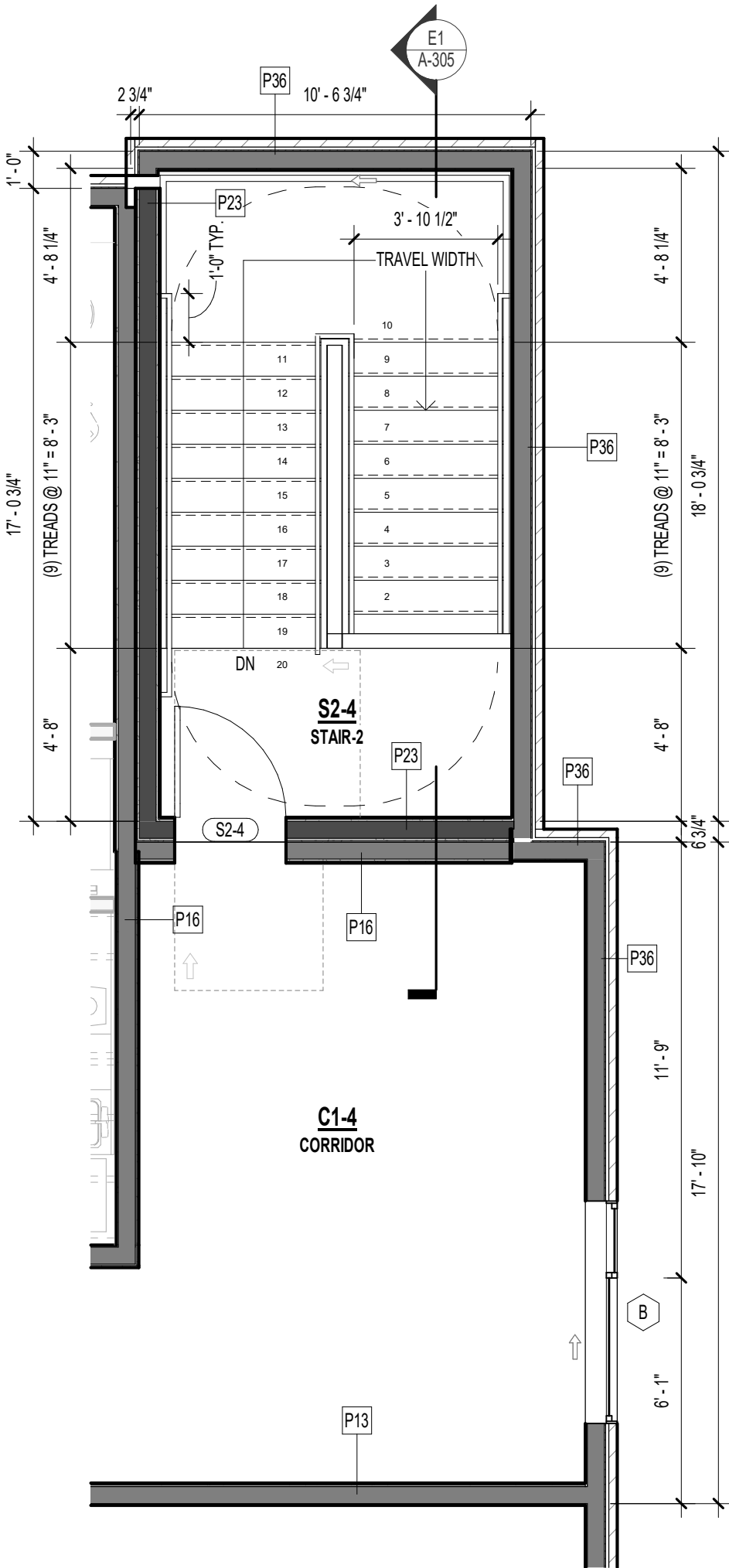
B2 EAST STAIR ROOF
1/4" = 1'-0"



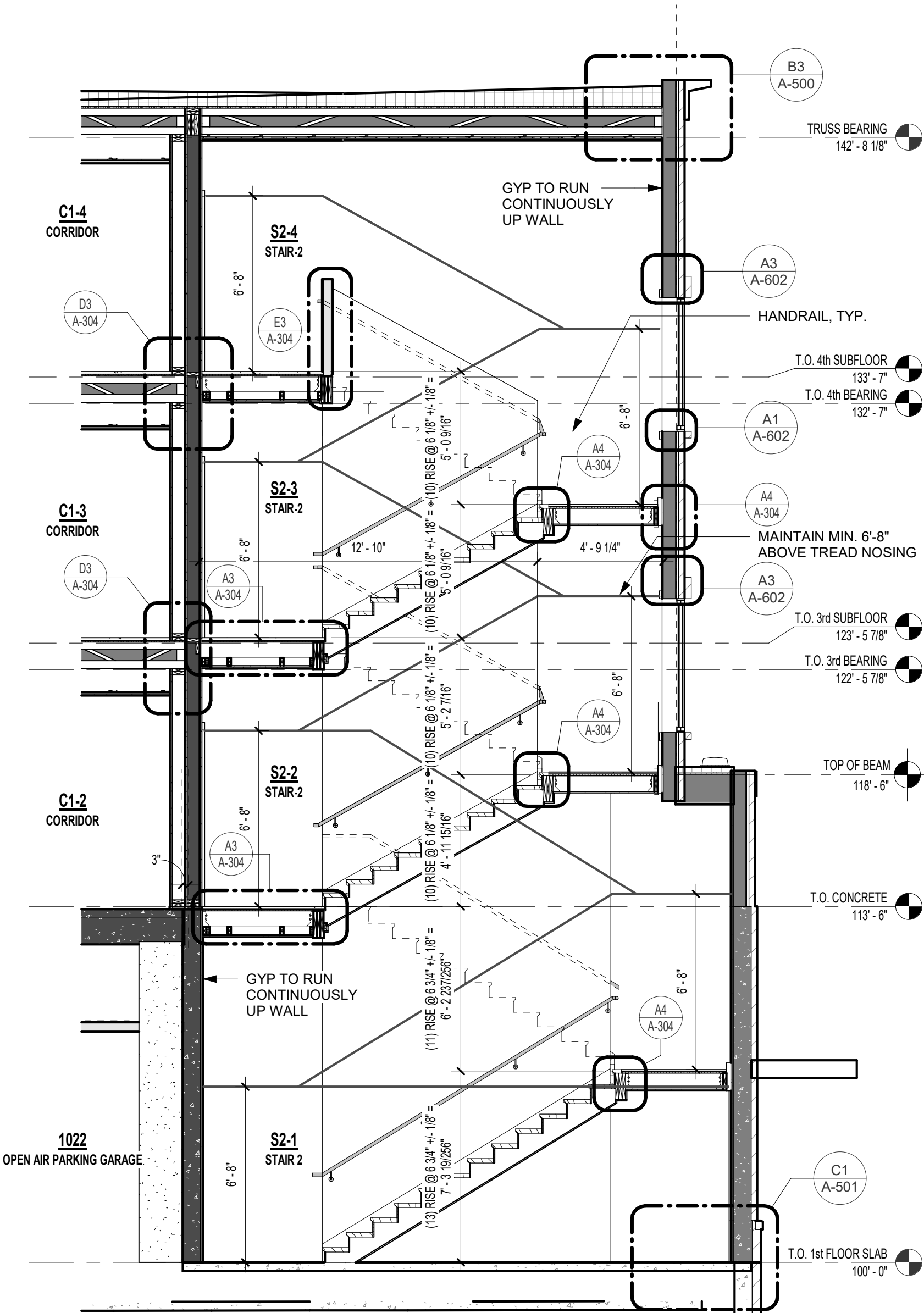
B1 EAST STAIR - 2ND FLOOR
ENLARGED
1/4" = 1'-0"



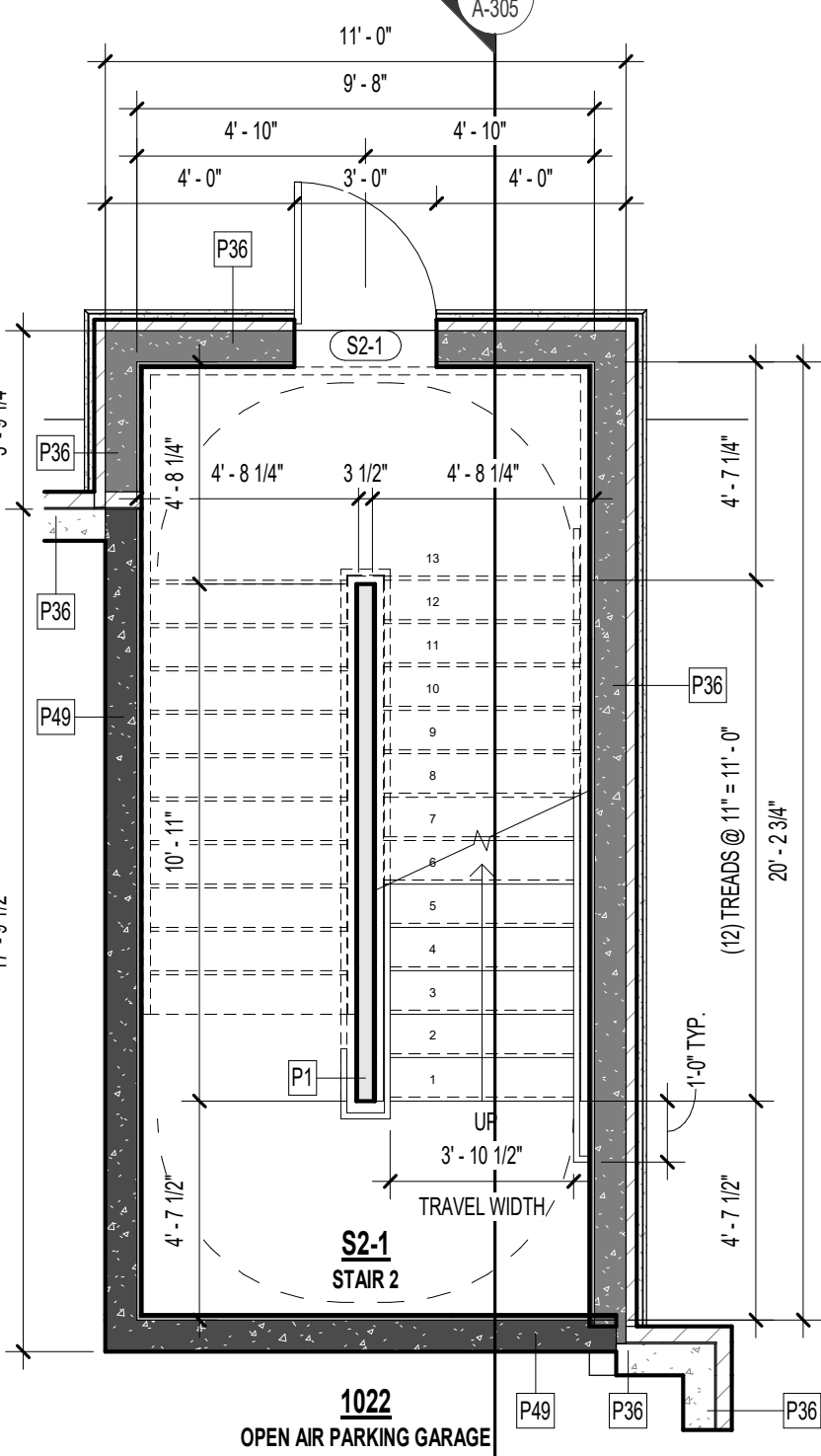
C1 EAST STAIR - 3RD FLOOR
ENLARGED
1/4" = 1'-0"



D1 EAST STAIR - 4TH FLOOR
ENLARGED
1/4" = 1'-0"



E1 EAST STAIR SECTION
1/4" = 1'-0"



A1 EAST STAIR - 1ST FLOOR
ENLARGED
1/4" = 1'-0"

A65	5" PVC RAINLEADERS TO RUN DOWN INSIDE PORTE-COCHERE COLUMNS TO UNDERGROUND STORMWATER, RE: CIVIL.
-----	---



1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET NUMBER:

A-306

REFERENCE A-101 FOR PLAN LEGEND

REFERENCE G-003 FOR GENERAL NOTES

KEYNOTE LEGEND

A2	LOCATE SHADE PULLS OPPOSITE SIDE OF PTAC UNIT
A3	FALSE PANEL WITH ACCESS TO ELECTRICAL BEHIND
A4	HOLD 4" SPACE BETWEEN SIDE OF REFRIGERATOR AND WALL TO ALLOW DOOR TO OPEN GREATER THAN 90 DEGREES FOR THE REMOVAL OF VEGETABLE DRAWER
A7	TEXTURED FINISH AND PAINT REQUIRED ON GUESTROOM EXTERIOR WALL.
A8	BLOCKING IN WALL FOR ALL CASEWORK, KITCHEN CABINETS, HEADBOARD, TV AND TV TRIM, SHOE CUBBY, MIRROR, CLOSET SYSTEM FIXTURES, TOWEL BAR LADDER, GRAB BARS AND ACCESSORIES. COORDINATE LOCATION WITH MANUFACTURERS INSTALLATION REQUIREMENTS.
A9	INDICATE OUTLET LOCATION WITHIN WALL. CONSTRUCTION TO AVOID OUTLETS OCCURRING IN SAME CAVITY WITHIN PARTITION. SEE DETAIL ON STC DIAGRAM ON G-102.
A10	PROVIDE BLOCKING IN CEILING/WALL FOR SHADE MOUNT. TOP OF SHADE MOUNT ABUTTS CEILING WHERE CEILING IS 8'-0" & 9'-0". COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
A20	PROVIDE WALL STOPS WHERE REQUIRED. PROVIDE WALL STOP BEHIND GUESTROOM ENTRY DOOR. REFER TO GUESTROOM OR PUBLIC SPACE BPM FOR DOOR HARDWARE.
A23	TV NICHE DETAIL DOES NOT APPLY TO EXTERIOR WALLS; TVs LOCATED ON EXTERIOR WALLS SHOULD BE SURFACE MOUNTED WITH FF&E TRIM X-226. REFER TO INTERIOR DESIGN SPECIFICATIONS MANUAL. TVs LOCATED IN THE DEMISING WALLS HAVE THE OPTION FOR PROVIDING A NICHE WITH A SOUND BARRIER (REFER TO DETAIL 3/852) OR THE FF&E TRIM X-226. COORDINATE WITH THE INTERIOR DESIGN SPECIFICATION MANUAL WHEN PROVIDING X-226
E5	OUTLETS FOR TV, CABLE AND POWER FOR TV TO BE MOUNTED IN OPENING OF WALL MOUNTED TV PANEL. SEE DETAILS SHEET 552 OR B552 FOR TV OPENING DETAIL.
E6	PTAC FOR TYPICAL GUEST ROOM HVAC. SEE DETAILS ON 222 OR B222 FOR PTAC AND WALL SLEEVE INFORMATION.
E7	ELECTRIC PANEL, TO BE PAINTED SAME COLOR AS SURROUNDING WALL. INSTALL AS CLOSE AS POSSIBLE TO THE ENTRY DOOR WALL.
E9	THERMOSTAT. LOCATE THERMOSTAT WITH INTEGRAL OCCUPANCY SENSOR FACING SLEEPING AREA. COORDINATE WITH THE GUESTROOM MANAGEMENT SYSTEM (GRMS). SEE TYPICAL GUESTROOM OUTLET HEIGHT DETAILS ON G-300s AND ROOM ELEVATION FOR ADDITIONAL INFORMATION.
E18	TWO-TOGGLE SWITCH FOR GARBAGE DISPOSAL, AND UNDERCABINET LIGHT. PROVIDE JBOX(S) FOR MILLWORK LIGHTING, RE: ELEC.
E19	PROVIDE OUTLET FOR WALL SCONCE AT HEADBOARD WHERE SHOWN IN ELEVATION. SWITCH LOCATED ON LIGHT FIXTURE.
E27	HIGH OUTLET BEHIND FASCIA FOR SOLAR SHADE, RE: ELEC.
ID1	TEXTURED WALL COATING IS THE REQUIRED FINISH FOR EXTERIOR GUESTROOM WALLS.
ID2	ALL EXTERIOR CORNERS SHALL HAVE FULL HEIGHT CORNER GUARDS.
ID3	REFER TO INTERIOR DESIGN SPECIFICATION MANUAL WINDOW TREATMENT SPECIFICATIONS AND ELEVATIONS FOR ROLLER SHADE INFORMATION
ID5	CENTER ARTWORK ON WALL OR AS SHOWN
ID6	WHERE REQUIRED FOR ACCESSIBILITY, PROVIDE MOTORIZED SHADES. REFER TO DRAPERY MANUAL AND ID SPEC MANUAL FOR ADDITIONAL INFORMATION AND POWER REQUIREMENTS.

PRINTS ISSUED

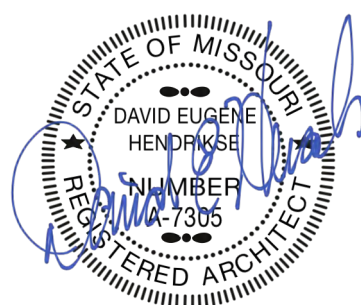
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TOWNEPLACE SUITES

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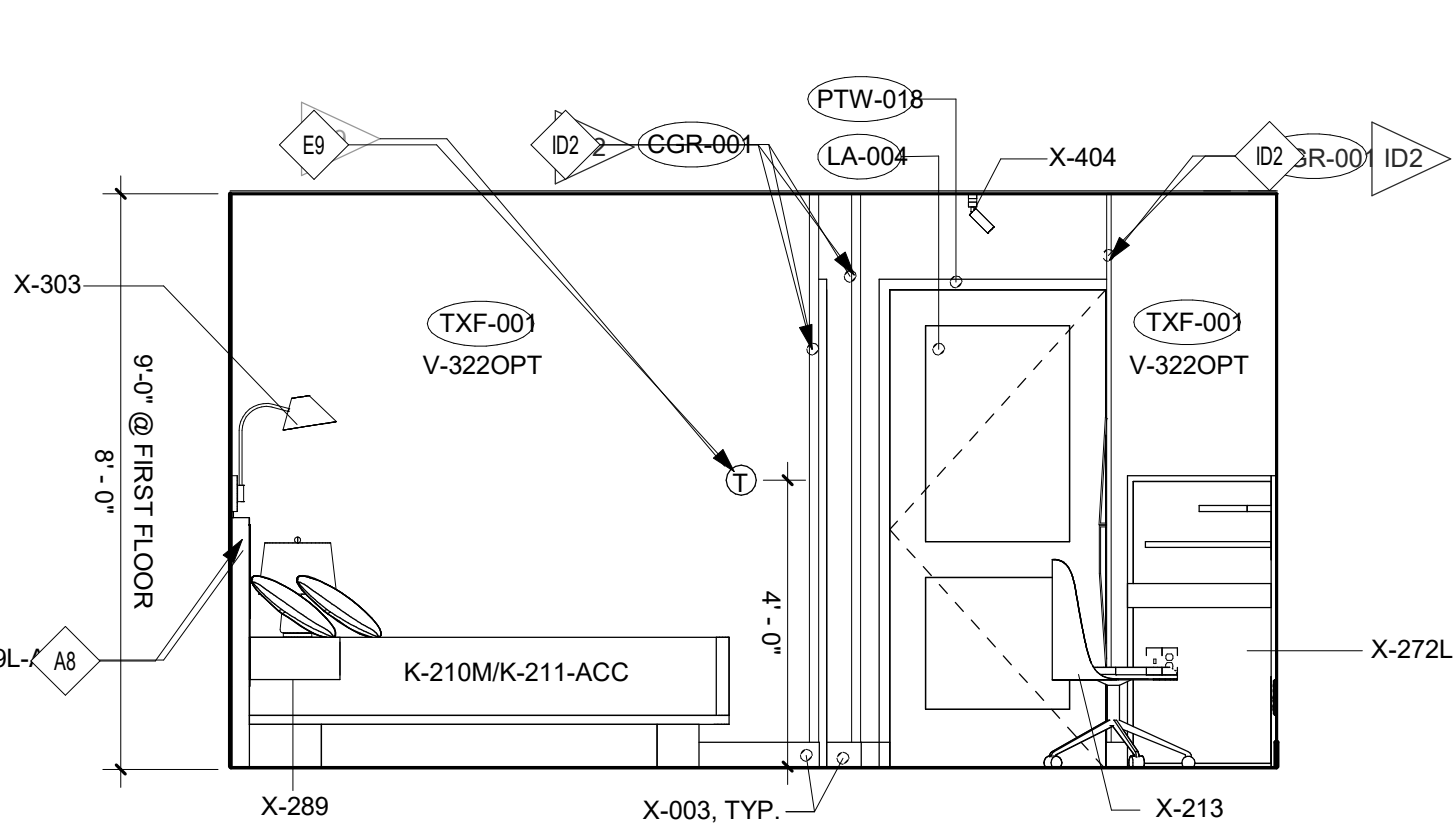
SHEET TITLE

ACC. STUDIO KING UNIT PLAN

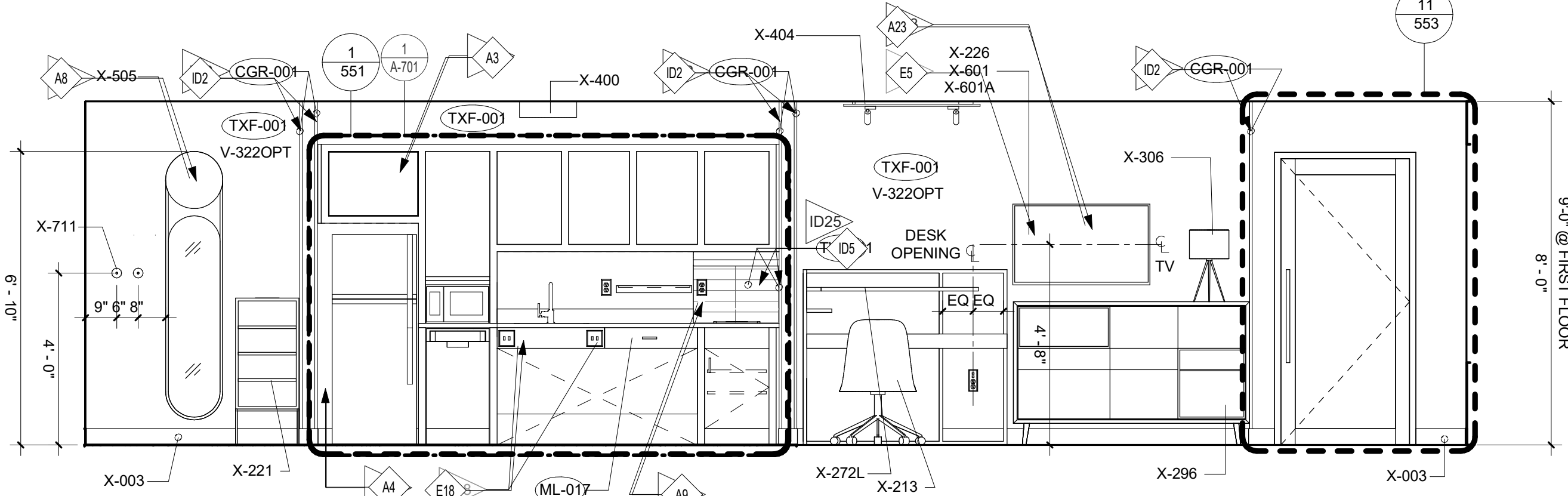
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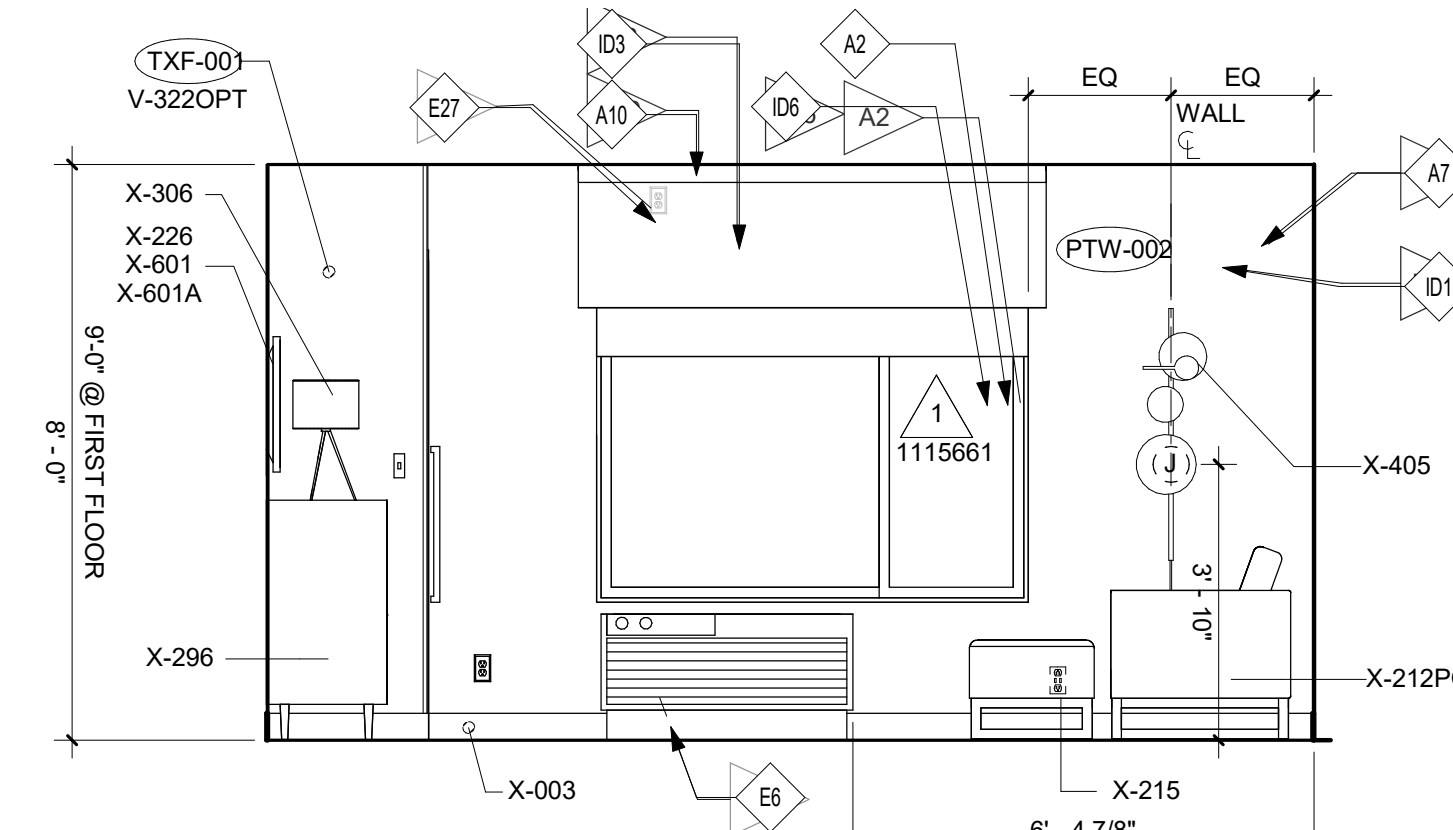
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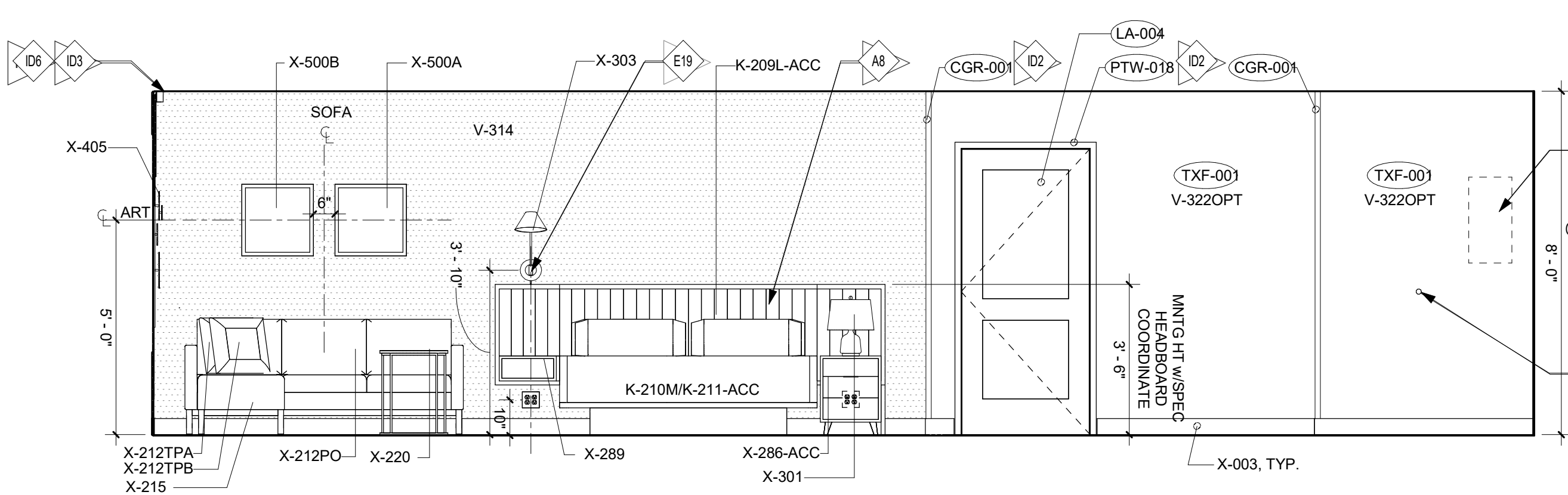
8 ACC STUDIO KING-ELEV4
3/8" = 1'-0"



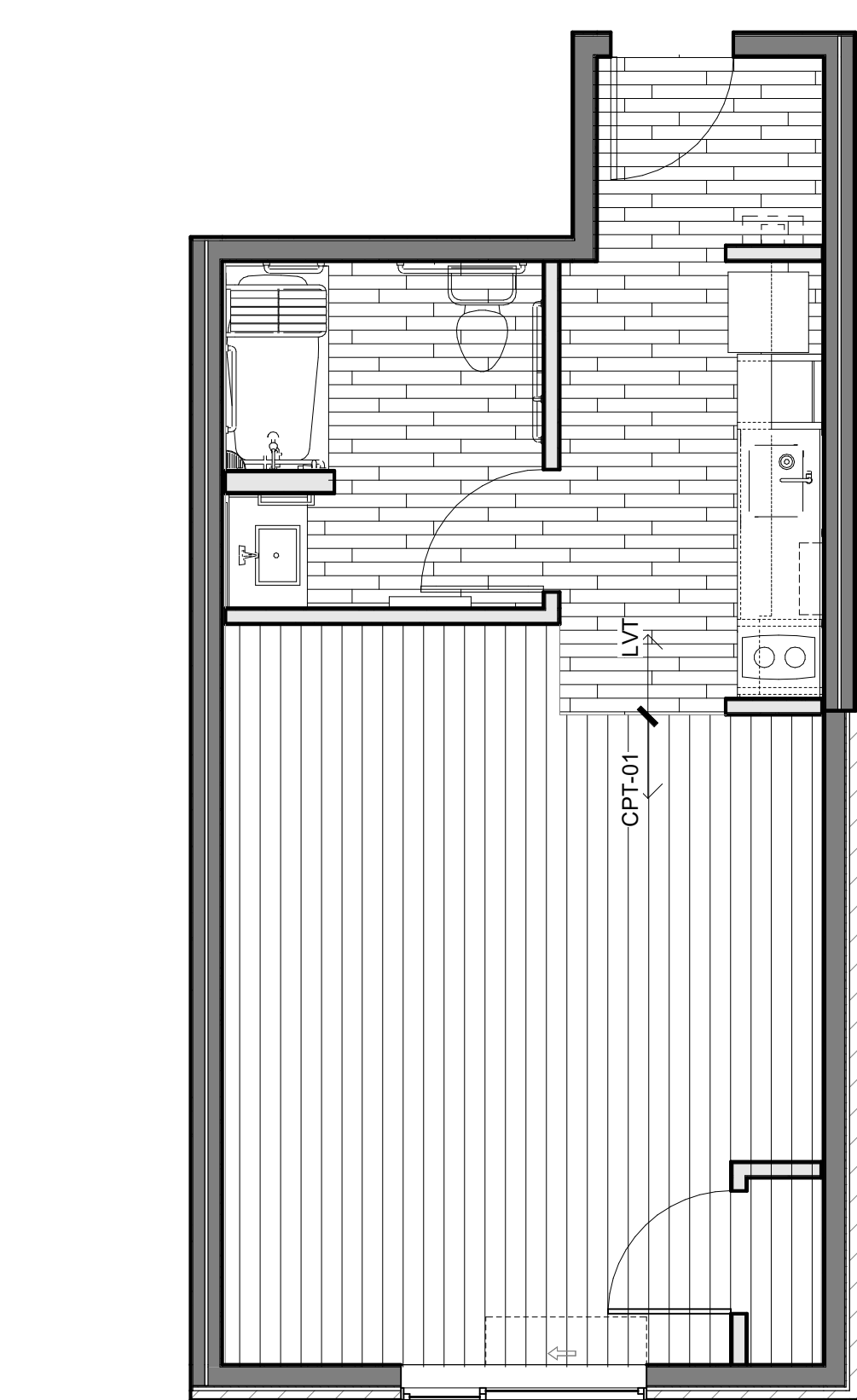
7 ACC STUDIO KING-ELEV3
3/8" = 1'-0"



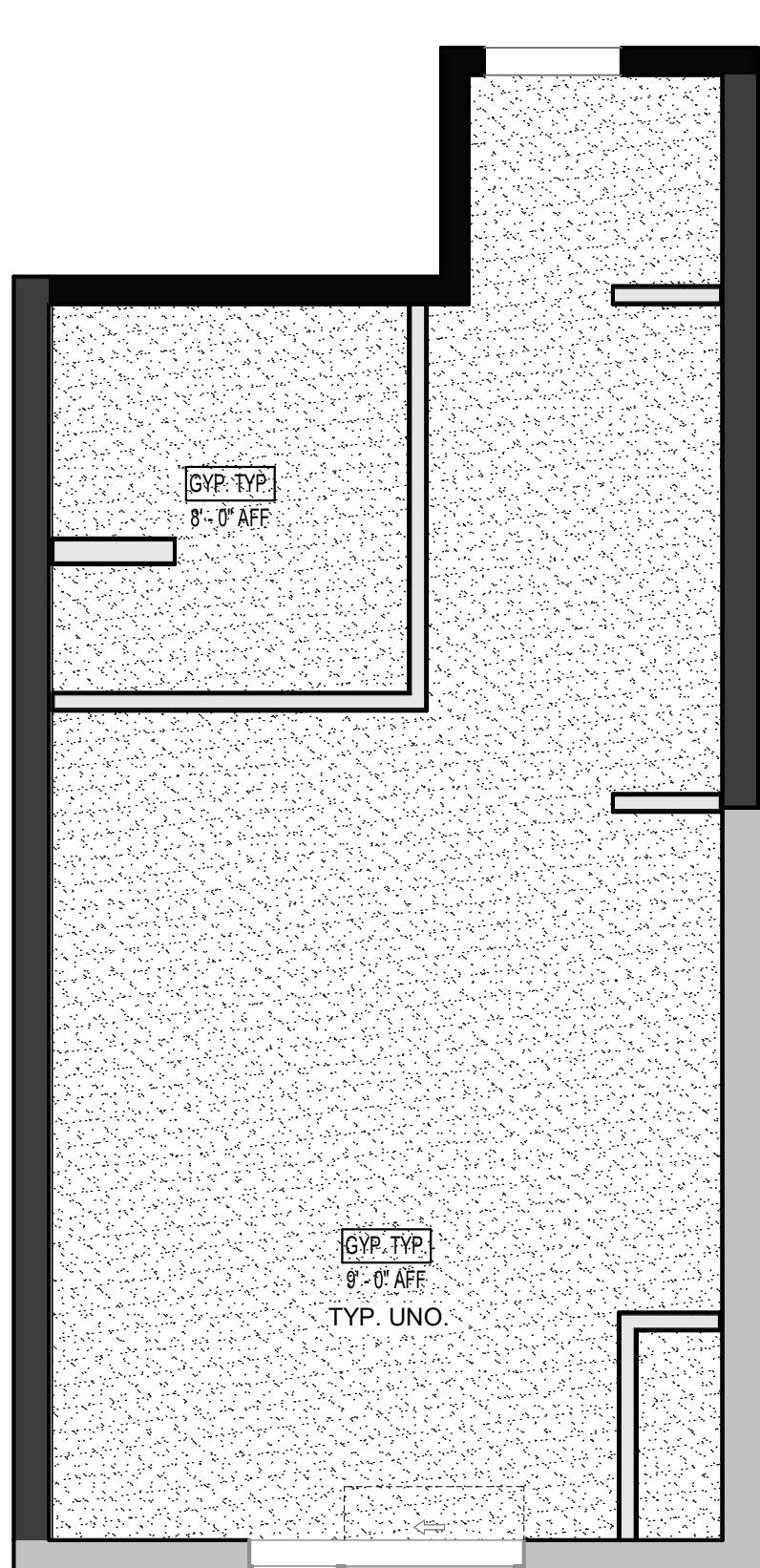
6 ACC STUDIO KING-ELEV2
3/8" = 1'-0"



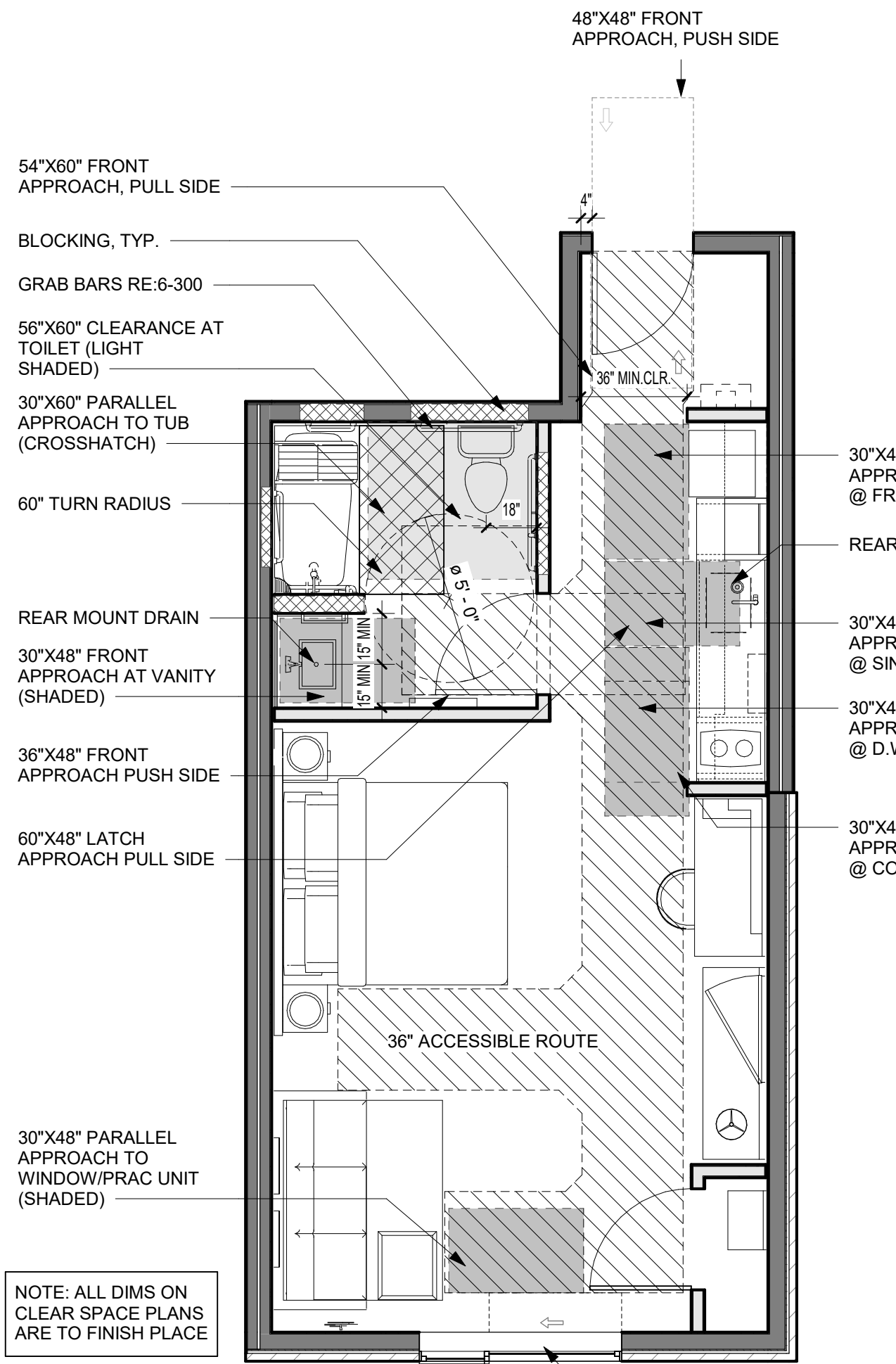
5 ACC STUDIO KING-ELEV1
3/8" = 1'-0"



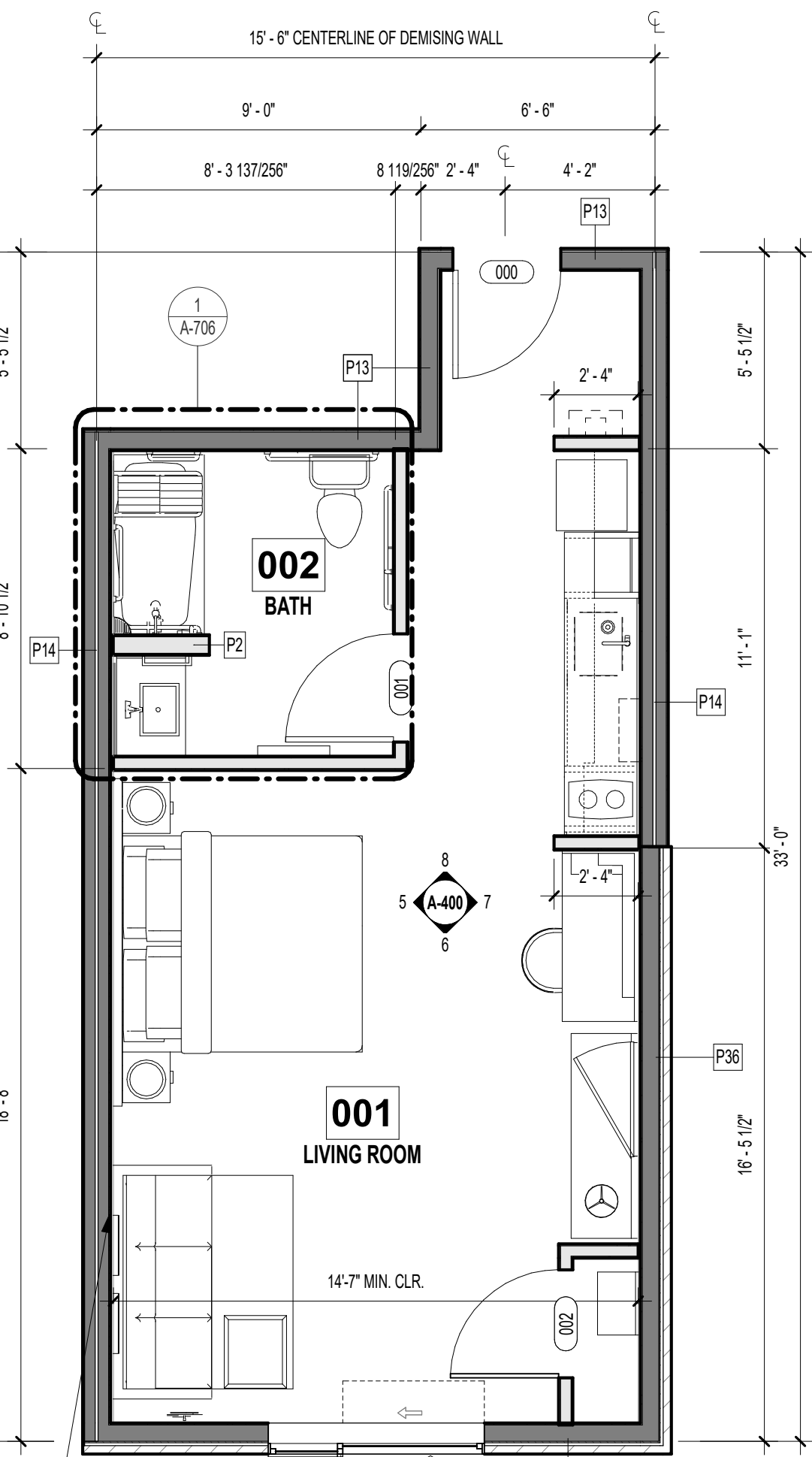
4 ACC STUDIO KING-FINISH
1/4" = 1'-0"



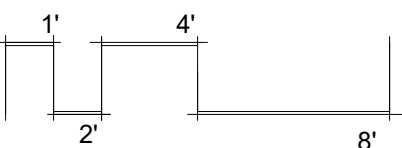
3 ACC STUDIO KING - RCP
1/4" = 1'-0"



2 ACC STUDIO KING - CS
1/4" = 1'-0"



1 ACC STUDIO KING-FP
1/4" = 1'-0"



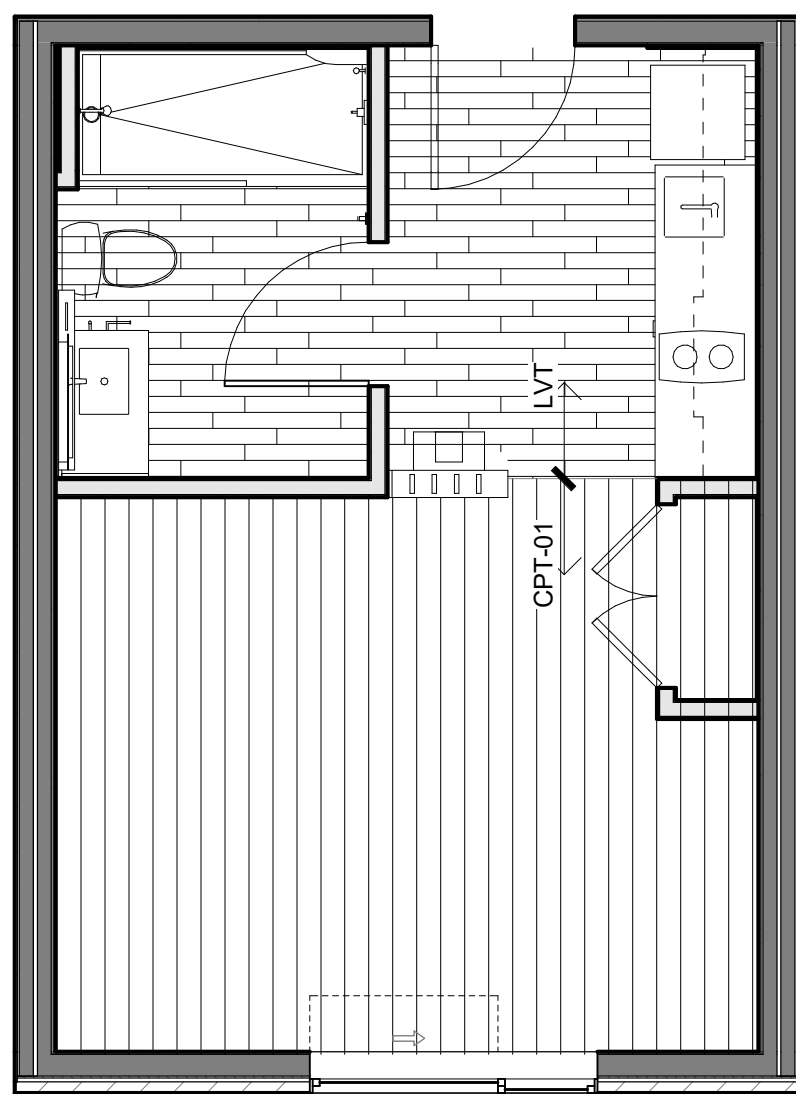
DOOR SCHEDULE - UNIT DOORS (BY UNIT TYPE)							
Mark	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Hardware Group
000	3'-0"	6'-8"	1 3/4"	20	A2	HM	
001	3'-0"	6'-8"	1 3/4"		A2		
002	3'-0"	6'-8"	1 3/8"		A2B		

ROOM FINISH SCHEDULE - UNITS					
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish
001	LIVING ROOM				
002	BATH				

11/1/2023 11:24:55 AM
C:\PWA Local\dwg\23098\23098_001_C_Townplace Suites.dwg

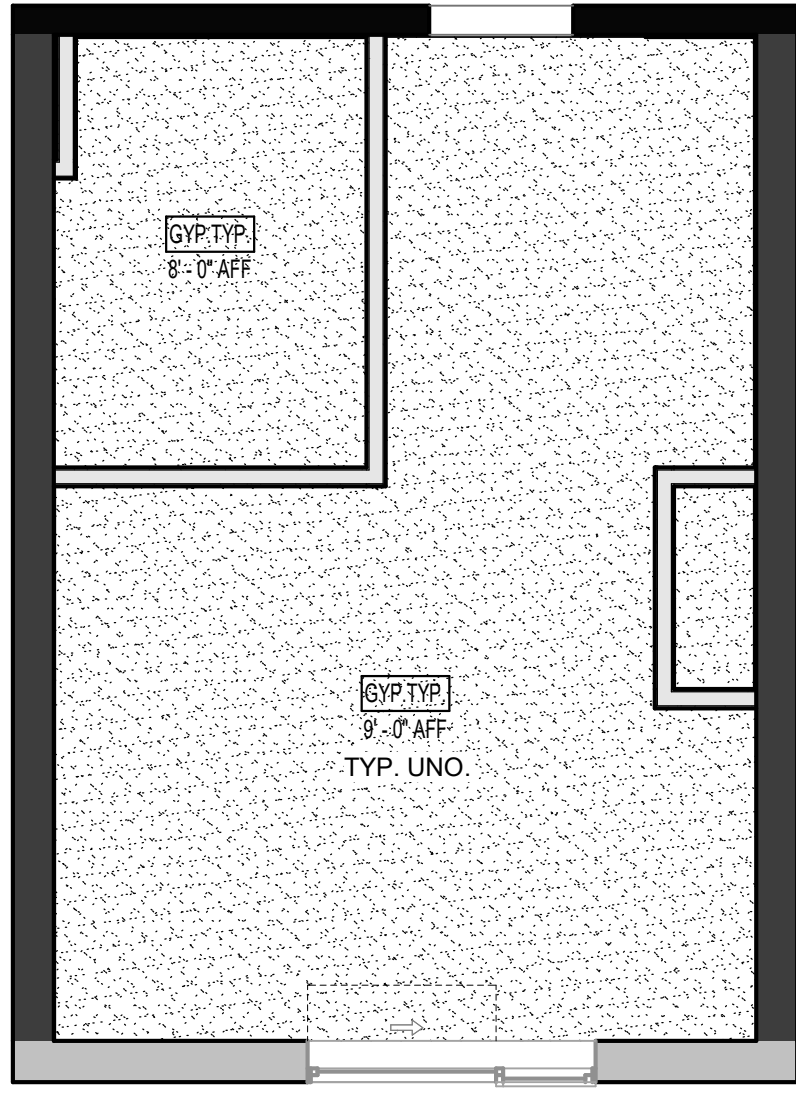
4 STUDIO KING - FINISH

1/4" = 1'-0"



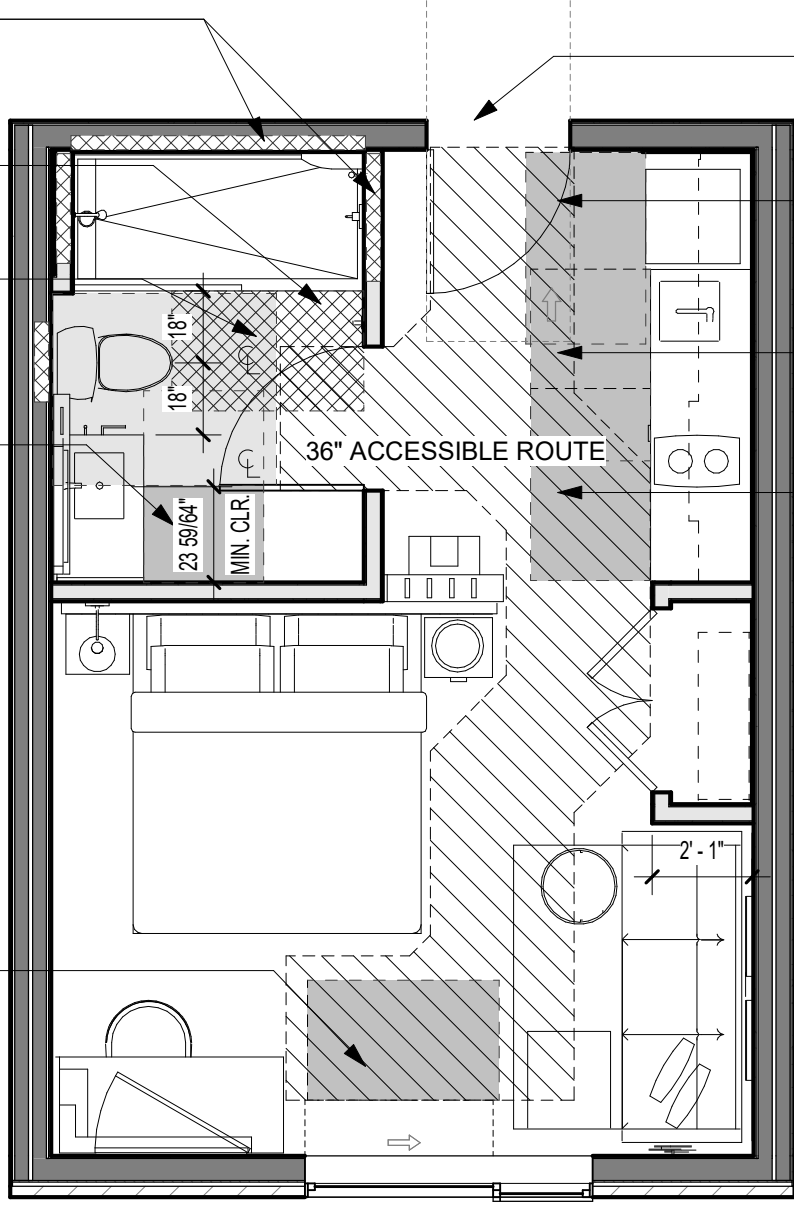
3 STUDIO KING - RCP

1/4" = 1'-0"



2 STUDIO KING - CS

1/4" = 1'-0"

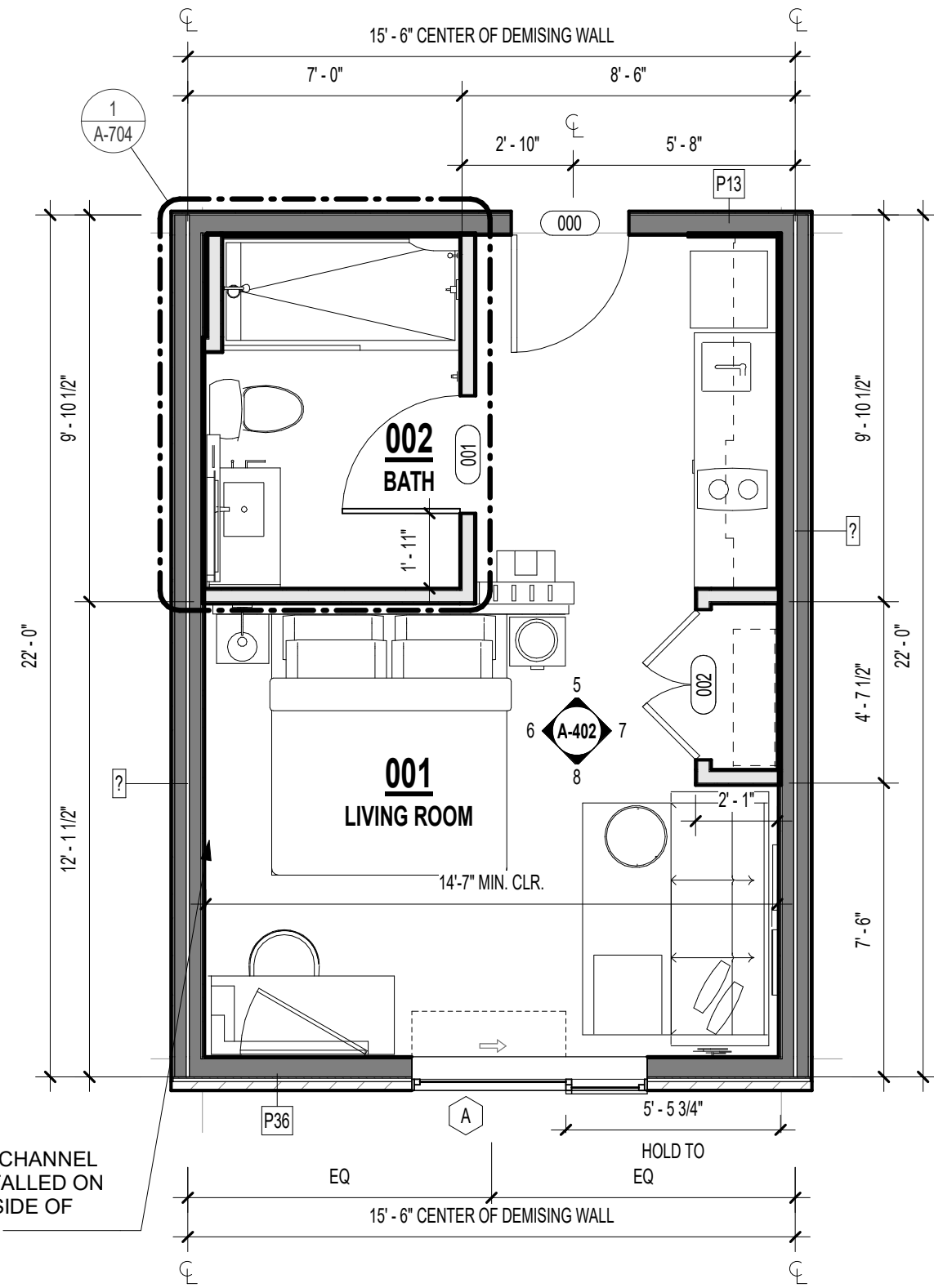


NOTE: ALL DIMS ON
CLEAR SPACE PLANS
ARE TO FINISH PLACE

RE: G-300 FOR
ACCESSIBLE MOUNTING
HEIGHTS, TYP

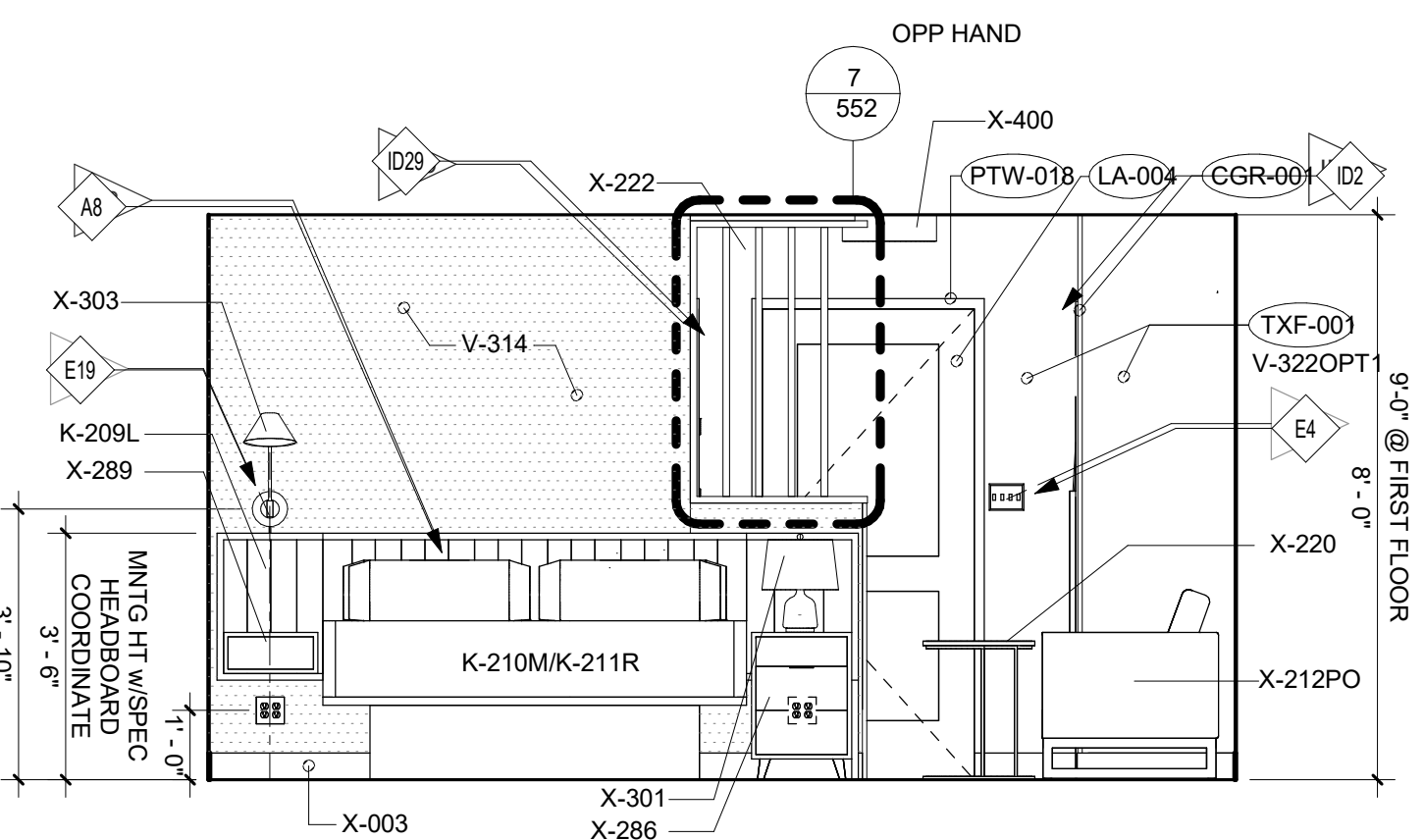
1 STUDIO KING - FP

1/4" = 1'-0"



5 STUDIO KING-ELEV3

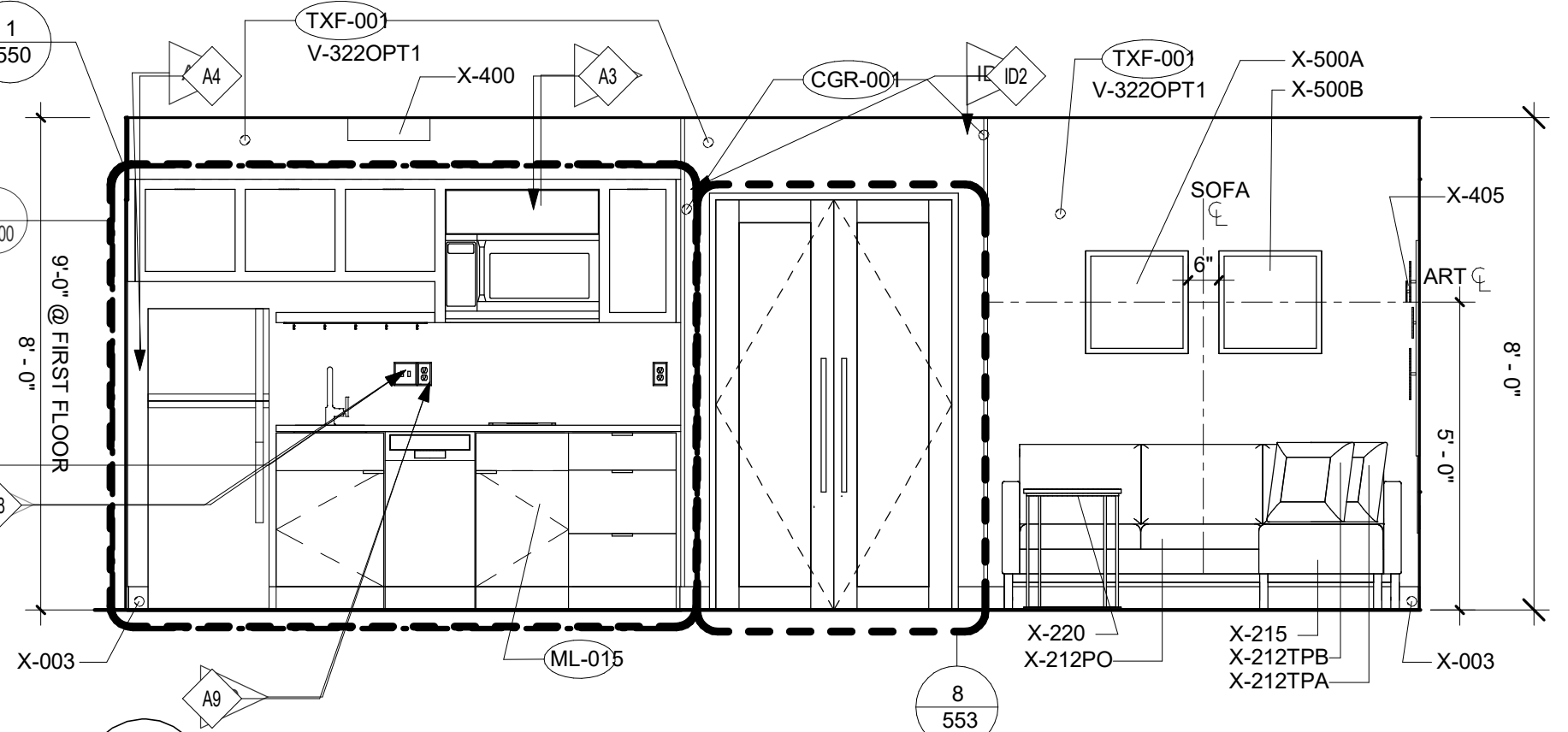
3/8" = 1'-0"



OPP HAND

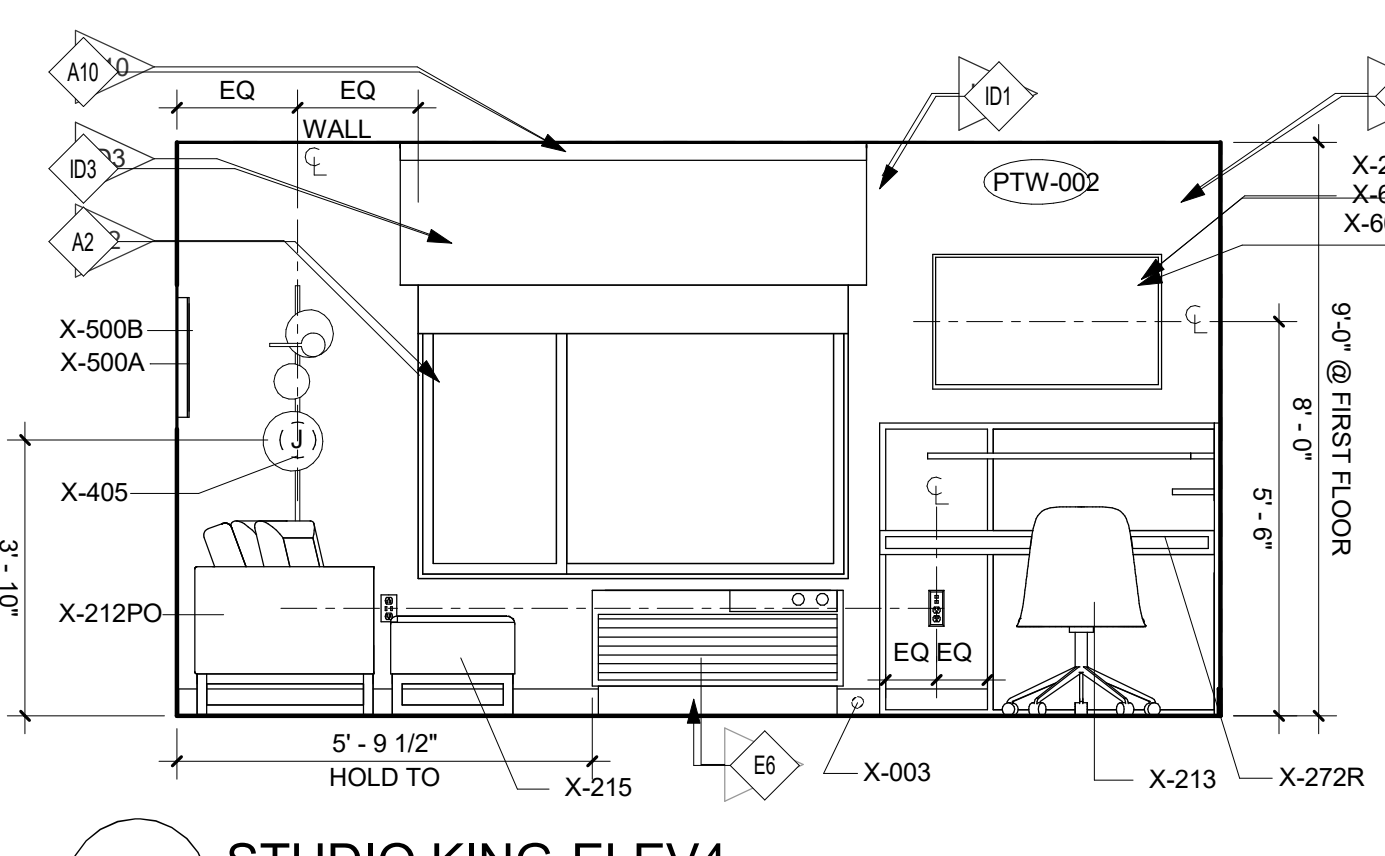
7 STUDIO KING-ELEV2

3/8" = 1'-0"



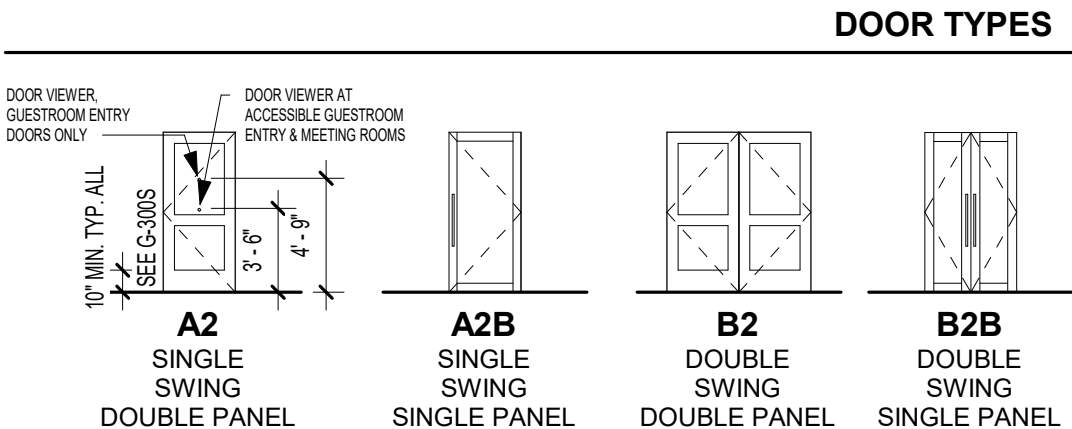
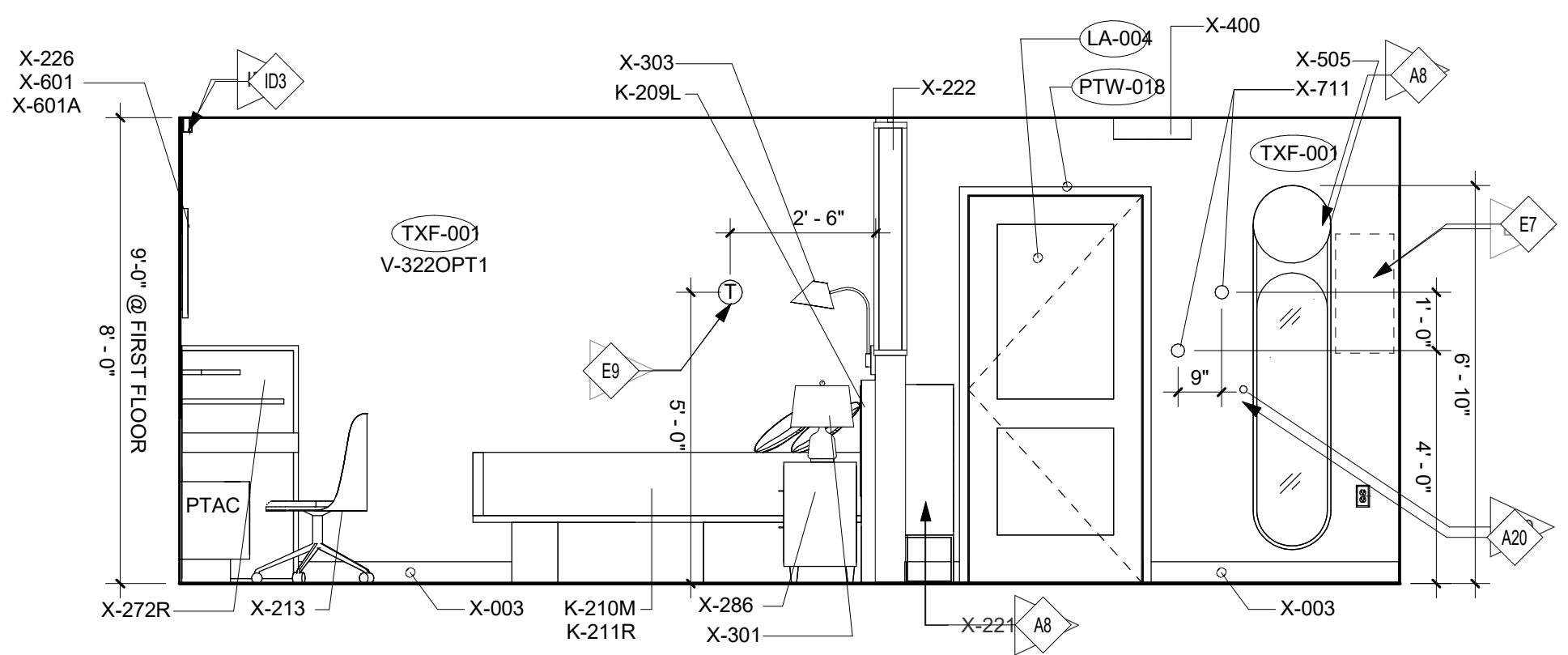
8 STUDIO KING-ELEV4

3/8" = 1'-0"

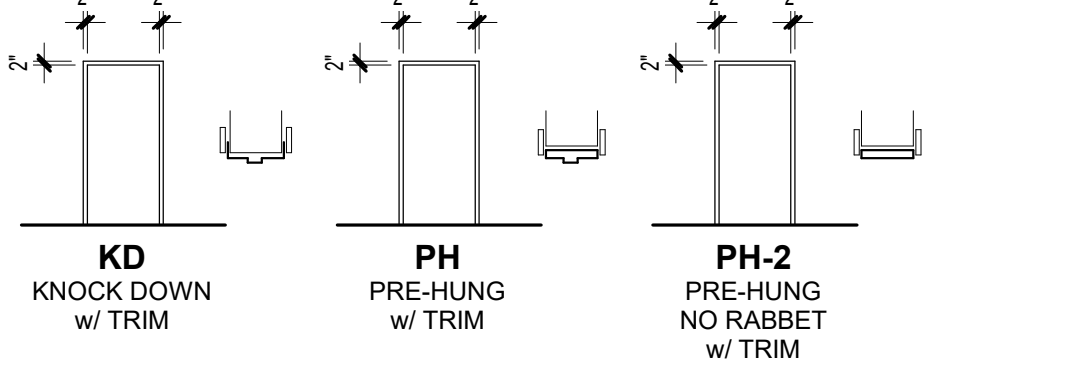


6 STUDIO KING-ELEV1

3/8" = 1'-0"



DOOR TYPES



DOOR SCHEDULE - UNIT DOORS (BY UNIT TYPE)								
Mark	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Hardware Group	Comments
000	3'-0"	6'-8"	1 3/4"	20	A2	HM		
001	3'-0"	6'-8"	1 3/8"		A2			
002	3'-10"	6'-8"	1 3/4"		B2B			

ROOM FINISH SCHEDULE - UNITS						
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	LIVING ROOM					
002	BATH					

REFERENCE A-101 FOR PLAN LEGEND
REFERENCE G-003 FOR GENERAL NOTES

KEYNOTE LEGEND	
A2	LOCATE SHADE PULLS OPPOSITE SIDE OF PTAC UNIT
A3	FALSE PANEL WITH ACCESS TO ELECTRICAL BEHIND
A4	HOLD 4" SPACE BETWEEN SIDE OF REFRIGERATOR AND WALL TO ALLOW DOOR TO OPEN GREATER THAN 90 DEGREES FOR THE REMOVAL OF VEGETABLE DRAWER
A7	TEXTURED FINISH AND PAINT REQUIRED ON GUESTROOM EXTERIOR WALL
A8	BLOCKING IN WALL FOR ALL CASEWORK, KITCHEN CABINETS, HEADBOARD, TV AND TV TRIM, SHOE CUBBY, MIRROR, CLOSET SYSTEM, FIXTURES, TOWEL BAR LADDER, GRAB BARS AND ACCESSORIES. COORDINATE LOCATION WITH MANUFACTURERS INSTALLATION REQUIREMENTS.
A9	INDICATE OUTLET LOCATION WITHIN WALL CONSTRUCTION TO AVOID OUTLETS OCCURRING IN SAME CAVITY WITHIN PARTITION. SEE DETAIL ON STC DIAGRAM ON G-102.
A10	PROVIDE BLOCKING IN CEILING/WALL FOR SHADE MOUNT, TOP OF SHADE MOUNT ABUTTS CEILING WHERE CEILING IS 8'-0" & 9'-0". COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
A20	PROVIDE WALL STOPS WHERE REQUIRED. PROVIDE WALL STOP BEHIND GUESTROOM ENTRY DOOR. REFER TO GUESTROOM OR PUBLIC SPACE BPM FOR DOOR HARDWARE.
A23	TV NICHE DETAIL DOES NOT APPLY TO EXTERIOR WALLS. TVs LOCATED ON EXTERIOR WALLS SHOULD BE SURFACE MOUNTED WITH FF&E TRIM X-226. REFER TO INTERIOR DESIGN SPECIFICATIONS MANUAL. TVs LOCATED IN THE DEMISING WALLS HAVE THE OPTION BETWEEN PROVIDING A NICHE WITH A SOUND BARRIER (REFER TO DETAIL 3/552) OR THE FF&E TRIM X-226. COORDINATE WITH THE INTERIOR DESIGN SPECIFICATION MANUAL WHEN PROVIDING X-226
E1	GANG OUTLETS & SWITCHES AT THE LOCATION @ HEIGHT SHOWN. SEE TYPICAL GUESTROOM OUTLET HEIGHT IN G-300s.
E4	MASTER DEVICE OR LIGHT SWITCH WITH SIGNAGE TO CONTROL ALL HARDWIRED LIGHTS IN GUESTROOM. WITH EXCEPTION OF BATHROOM. PROVIDE SEPARATE SWITCHES FOR UPPER CABINET, UNDER SHELF, UNDER CABINET AND DECORATIVE WALL SCONCES. INTERFACE THE MASTER DEVICE WITH THE GUESTROOM MANAGEMENT SYSTEM (GRMS). SEE ELEC. & SPEC.
E5	OUTLETS FOR TV, CABLE AND POWER FOR TV TO BE MOUNTED IN OPENING OF WALL MOUNTED TV PANEL. SEE DETAILS SHEET 552 OR B552 FOR TV OPENING DETAIL.
E6	PTAC FOR TYPICAL GUEST ROOM HVAC. SEE DETAILS ON 222 OR B222 FOR PTAC AND WALL SLEEVE INFORMATION.
E7	ELECTRIC PANEL. TO BE PAINTED SAME COLOR AS SURROUNDING WALL. INSTALL AS CLOSE AS POSSIBLE TO THE ENTRY DOOR WALL.
E9	THERMOSTAT. LOCATE THERMOSTAT WITH INTEGRAL OCCUPANCY SENSOR FACING SLEEPING AREA. COORDINATE WITH THE GUESTROOM MANAGEMENT SYSTEM (GRMS). SEE TYPICAL GUESTROOM OUTLET HEIGHT DETAILS ON G-300s AND ROOM ELEVATION FOR ADDITIONAL INFORMATION.
E18	TWO-TOGGLE SWITCH FOR GARBAGE DISPOSAL, AND UNDERCABINET LIGHT. PROVIDE JBOX(S) FOR MILLWORK LIGHTING, RE: ELEC.
E19	PROVIDE OUTLET FOR WALL SCONCE AT HEADBOARD WHERE SHOWN IN ELEVATION. SWITCH LOCATED ON LIGHT FIXTURE.
ID1	TEXTURED WALL COATING IS THE REQUIRED FINISH FOR EXTERIOR GUESTROOM WALLS.
ID2	ALL EXTERIOR CORNERS SHALL HAVE FULL HEIGHT CORNER GUARDS.
ID3	REFER TO INTERIOR DESIGN SPECIFICATION MANUAL WINDOW TREATMENT SPECIFICATIONS AND ELEVATIONS FOR ROLLER SHADE INFORMATION
ID29	WALLCOVERING TO WRAP AROUND ALL WALL CORNERS TRANSITIONING TO SLAT WALL.

TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST.

LEE'S SUMMIT 64064 USA

SHEET TITLE
STUDIO KING UNIT PLAN

PROJECT NUMBER: 23098

SHEET NUMBER:

rosemann & ASSOCIATES P.C.

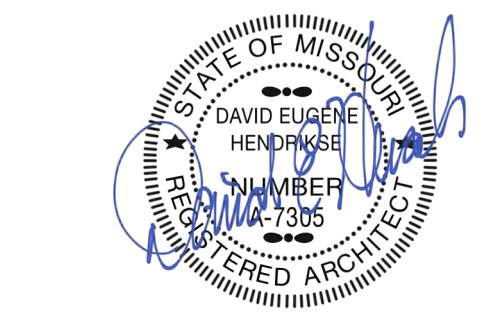
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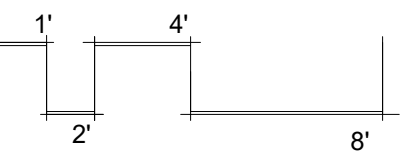
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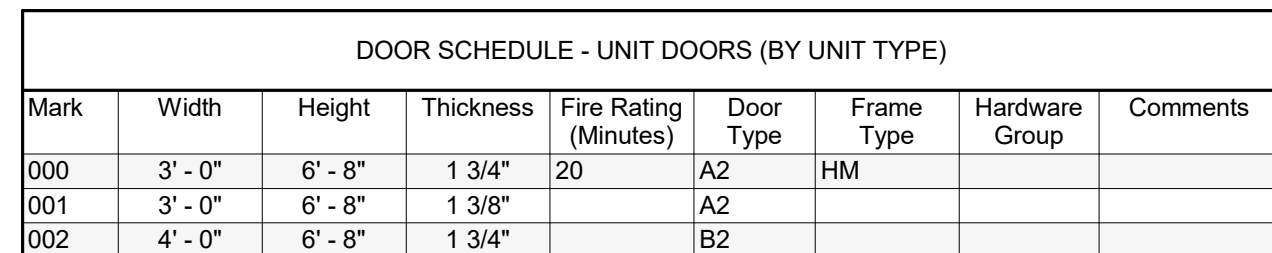
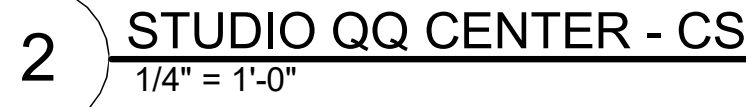
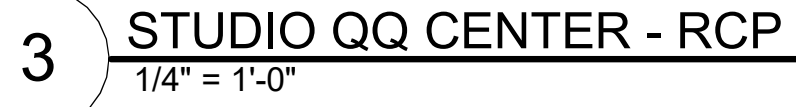
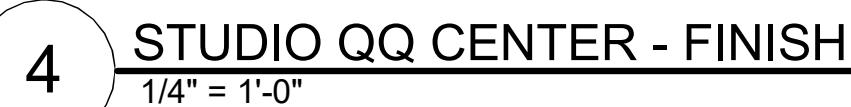
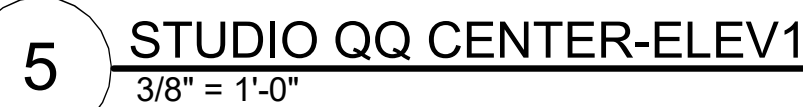
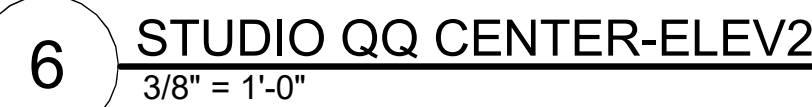
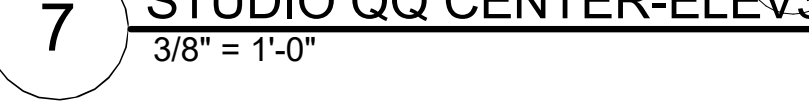
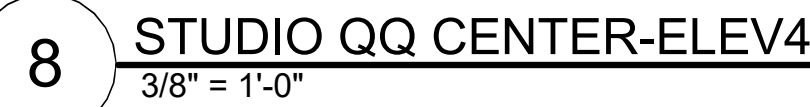
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11/01/2023 - CITY SUBMITTAL

REVISIONS:



A-402





ROOM FINISH SCHEDULE - UNITS						
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	LIVING ROOM					
002	BATH					

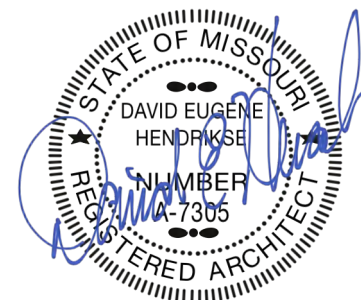


A3	LOCATE SHADE PULLS OPPOSITE SIDE OF PTAC UNIT
A4	FALSE PANEL WITH ACCESS TO ELECTRICAL BEHIND
A4	HOLD 4" SPACE BETWEEN SIDE OF REFRIGERATOR AND WALL TO ALLOW DOOR TO OPEN GREATER THAN 90 DEGREES FOR THE REMOVAL OF VEGETABLE DISHWASHER
A7	TEXTURED FINISH AND PAINT REQUIRED ON GUESTROOM EXTERIOR WALL
A8	BLOCKING IN WALL FOR ALL CASEWORK, KITCHEN CABINETS, HEADBOARD, TV AND TV TRIM, SHOE CUBBY, MIRROR, CLOSET SYSTEM, FIXTURES, TOWEL BAR/LADDER, GRAB BARS AND ACCESSORIES. COORDINATE LOCATION WITH MANUFACTURERS INSTALLATION REQUIREMENTS.
A9	INDICATE OUTLET LOCATION WITHIN WALL. CONSTRUCTION TO AVOID OUTLETS OCCURRING IN SAME CAVITY WITHIN PARTITION. SEE DETAIL ON STC DIVISION ON G-300S.
A10	PROVIDE BLOCKING IN CEILING/WALL FOR SHADE MOUNT. TOP OF SHADE MOUNT ABUTTS CEILING WHERE CEILING IS 8'-0" & 9'-0". COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
A20	PROVIDE WALL STOPS WHERE REQUIRED. PROVIDE WITH TOP BEHIND GUESTROOM ENTRY DOOR. REFER TO GUESTROOM OR PUBLIC SPACE BPM FOR DOOR HARDWARE.
A23	TV NICHE DETAIL DOES NOT APPLY TO EXTERIOR WALLS: TVs LOCATED ON EXTERIOR WALLS SHOULD BE FALSE PANEL MOUNTED WITH F&E TRIM X-235, REFER TO INTERIOR DESIGN SPECIFICATIONS MANUAL. TVs LOCATED IN THE DEMISING WALLS HAVE THE OPTION BETWEEN PROVIDING A NICHE WITH A SOUND BARRIER (REFER TO DETAIL 31552) OR THREE TRIM X-235. COORDINATE WITH THE INTERIOR DESIGN SPECIFICATION MANUAL WHEN PROVIDING X-226
A136	TV MOUNT COVER TO BE MOUNTED AT OPPOSITE OF ENTRY DOOR.
E1	GANG OUTLETS & SWITCHES AT THE LOCATION @ HEIGHT SHOWN. SEE TYPICAL GUESTROOM OUTLET HEIGHT IN G-300s.
E4	MASTER DEVICE OR LIGHT SWITCH WITH SIGNAGE TO CONTROL ALL HARDWIRED LIGHTS IN GUESTROOM, WITH EXCEPTION OF BATHROOM. PROVIDE SEPARATE SWITCHES FOR ALL LIGHTS UNDER SHELF, UNDER CABINET AND DECORATIVE WALL SCONES. INTERFACE THE MASTER DEVICE WITH THE GUESTROOM MANAGEMENT SYSTEM (GRMS). SEE ELEC. & SPEC.
E5	OUTLETS FOR TV, CABLE AND POWER FOR TV TO BE BEHIND OR IN OPERATED IN WALL MOUNTED TV PANEL. SEE DETAILS SHEET 552 OR B552 FOR TV OPENING DETAIL.
E6	PTAC FOR TYPICAL GUEST ROOM HVAC. SEE DETAILS ON 222 OR B222 FOR PTAC AND WALL SLEEVE INFORMATION
E7	ELECTRICAL PANEL TO BE PAINTED SAME COLOR AS SURROUNDING WALL. INSTALL AS CLOSE AS POSSIBLE TO THE ENTRY DOOR WALL.
E9	THERMOSTAT. LOCATE THERMOSTAT WITH INTEGRAL OCCUPANCY SENSOR FACING SLEEPING AREA. COORDINATE WITH THE GUESTROOM MANAGEMENT SYSTEM (GRMS). SEE TYPICAL GUESTROOM OUTLET HEIGHT DETAILS ON G-300s AND ROOM ELEVATION FOR ADDITIONAL INFORMATION.
E18	TWO-TOGGLE SWITCH FOR GARBAGE DISPOSAL, AND UNDERCABINET LIGHT. PROVIDE JBOX(S) FOR GARBAGE LIGHTING.
E19	PROVIDE OUTLET FOR WALL SCONCE AT HEADBOARD WHERE SHOWN IN ELEVATION. SWITCH LOCATED ON LIGHT FIXTURE.
ID1	TEXTURED WALL COATING IS THE REQUIRED FINISH FOR EXTERIOR GUESTROOM WALLS.
ID2	ALL EXTERIOR CORNERS SHALL HAVE FULL HEIGHT CORNER GUARD.
ID3	REFER TO INTERIOR DESIGN SPECIFICATION MANUAL WINDOW TREATMENT SPECIFICATIONS AND ELEVATIONS FOR ROLLER SHADE INFORMATION

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TOWNEPLACE SUITES

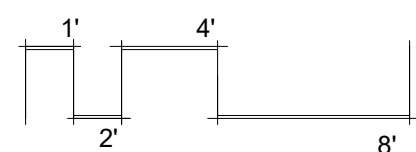
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
STUDIO QQ CENTER UNIT PLAN

PROJECT NUMBER: 23098

SHEET NUMBER:

A-403



11/1/2023 11:25:43 AM
C:\Revit Local Cache\2023\23098_DPLS_Townplace_R23_revit53V45U.rvt

REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-101 FOR PLAN LEGEND

KEYNOTE LEGEND

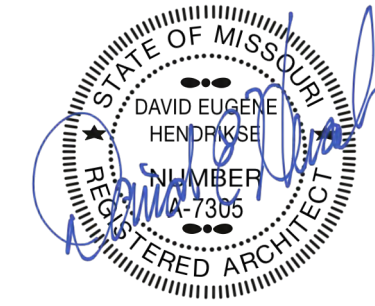
A2	LOCATE SHADE PULLS OPPOSITE SIDE OF PTAC UNIT
A3	FALSE PANEL WITH ACCESS TO ELECTRICAL BEHIND
A4	HOLD 4" SPACE BETWEEN SIDE OF REFRIGERATOR AND WALL TO ALLOW DOOR TO OPEN GREATER THAN 90 DEGREES FOR THE REMOVAL OF VEGETABLE DRAWER
A7	TEXTURED FINISH AND PAINT REQUIRED ON GUESTROOM EXTERIOR WALL
A8	LOCKING IN WALL FOR ALL CASEWORK, KITCHEN CABINETS, HEADBOARD, TV AND TV TRIM, SHOE CUBBY, MIRROR, CLOSET SYSTEM, FIXTURES, TOWEL BAR LADDER, GRAB BARS AND ACCESSORIES. COORDINATE LOCATION WITH MANUFACTURERS INSTALLATION REQUIREMENTS.
A9	INDICATE OUTLET LOCATION WITHIN WALL CONSTRUCTION TO AVOID OUTLETS OCCURRING IN SAME CAVITY WITHIN PARTITION. SEE DETAIL ON STC DIAGRAM ON G-102.
A10	PROVIDE BLOCKING IN CEILING/WALL FOR SHADE MOUNT. TOP OF SHADE MOUNT ABUTTS CEILING WHERE CEILING IS 8'-0" & 9'-0". COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
A20	PROVIDE WALL STOPS WHERE REQUIRED. PROVIDE WALL STOP BEHIND GUESTROOM ENTRY DOOR. REFER TO GUESTROOM OR PUBLIC SPACE BPM FOR DOOR HARDWARE.
A23	TV NICHE DETAIL DOES NOT APPLY TO EXTERIOR WALLS. TVs LOCATED ON EXTERIOR WALLS SHOULD BE SURFACE MOUNTED WITH FF&E TRIM X-226. REFER TO INTERIOR DESIGN SPECIFICATIONS MANUAL. TVs LOCATED IN THE DEMISING WALLS HAVE THE OPTION BETWEEN PROVIDING A NICHE WITH A SOUND BARRIER (REFER TO DETAIL 3/552) OR THE FF&E TRIM X-226. COORDINATE WITH THE INTERIOR DESIGN SPECIFICATION MANUAL WHEN PROVIDING X-226
A136	TV MOUNT COVER TO BE MOUNTED AT OPPOSITE OF ENTRY DOOR.
E1	GANG OUTLETS & SWITCHES AT THE LOCATION @ HEIGHT SHOWN. SEE TYPICAL GUESTROOM OUTLET HEIGHT IN G-300s.
E5	OUTLETS FOR TV, CABLE AND POWER FOR TV TO BE MOUNTED IN OPENING OF WALL MOUNTED TV PANEL. SEE DETAILS SHEET 552 OR B552 FOR TV OPENING DETAIL.
E6	PTAC FOR TYPICAL GUEST ROOM HVAC. SEE DETAILS ON 222 OR B222 FOR PTAC AND WALL SLEEVE INFORMATION.
E7	ELECTRIC PANEL, TO BE PAINTED SAME COLOR AS SURROUNDING WALL. INSTALL AS CLOSE AS POSSIBLE TO THE ENTRY DOOR WALL.
E9	THERMOSTAT. LOCATE THERMOSTAT WITH INTEGRAL OCCUPANCY SENSOR FACING SLEEPING AREA. COORDINATE WITH THE GUESTROOM MANAGEMENT SYSTEM (GRMS). SEE TYPICAL GUESTROOM OUTLET HEIGHT DETAILS ON G-300s AND ROOM ELEVATION FOR ADDITIONAL INFORMATION.
E18	TWO-TOGGLE SWITCH FOR GARBAGE DISPOSAL, AND UNDERCABINET LIGHT. PROVIDE JBOX(S) FOR MILLWORK LIGHTING. RE: ELEC.
E19	PROVIDE OUTLET FOR WALL SCONCE AT HEADBOARD WHERE SHOWN IN ELEVATION. SWITCH LOCATED ON LIGHT FIXTURE.
ID1	TEXTURED WALL COATING IS THE REQUIRED FINISH FOR EXTERIOR GUESTROOM WALLS.
ID2	ALL EXTERIOR CORNERS SHALL HAVE FULL HEIGHT CORNER GUARDS.
ID3	REFER TO INTERIOR DESIGN SPECIFICATION MANUAL WINDOW TREATMENT SPECIFICATIONS AND ELEVATIONS FOR ROLLER SHADE INFORMATION

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TOWNEPLACE SUITES

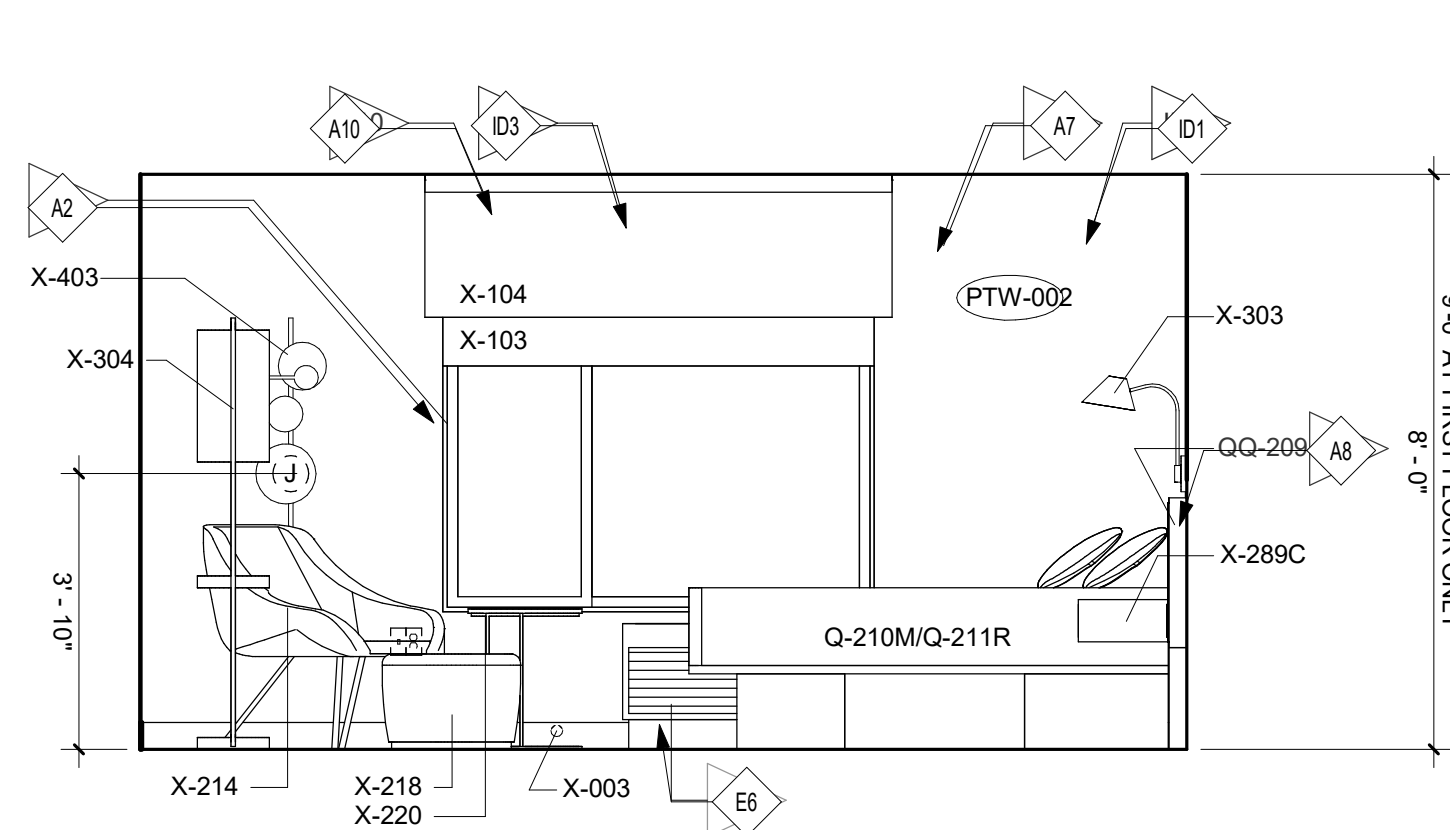
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
STUDIO QQ END UNIT PLAN

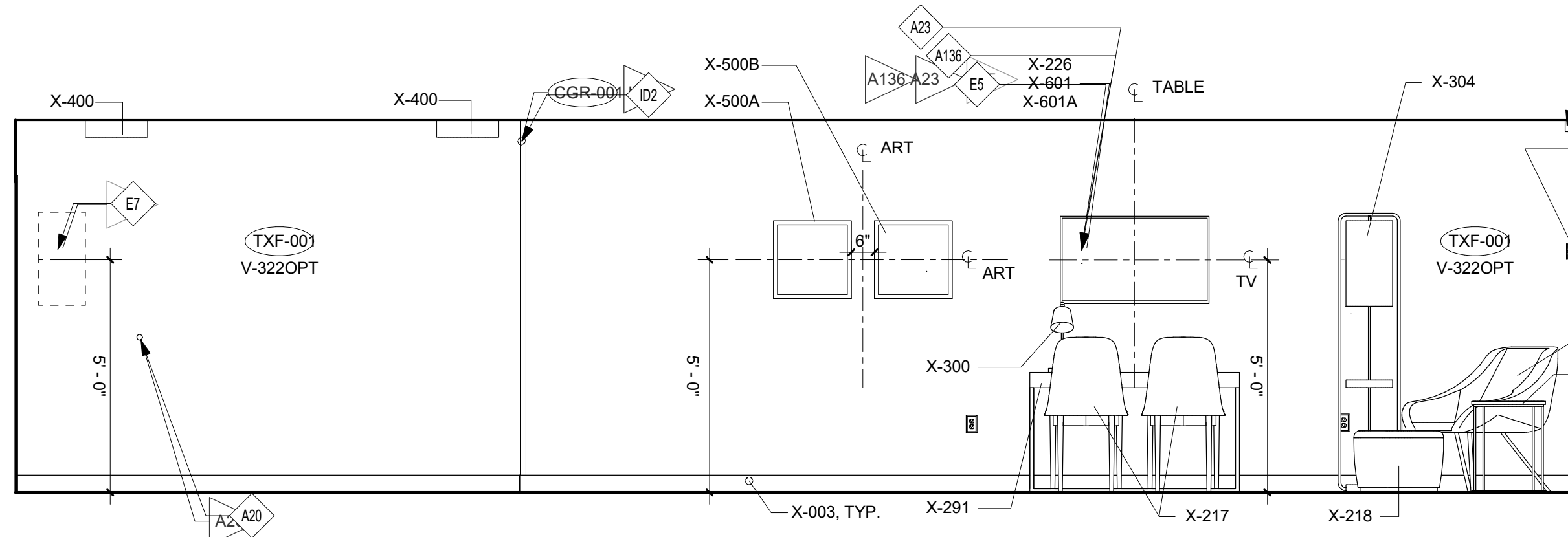
PROJECT NUMBER: 23098

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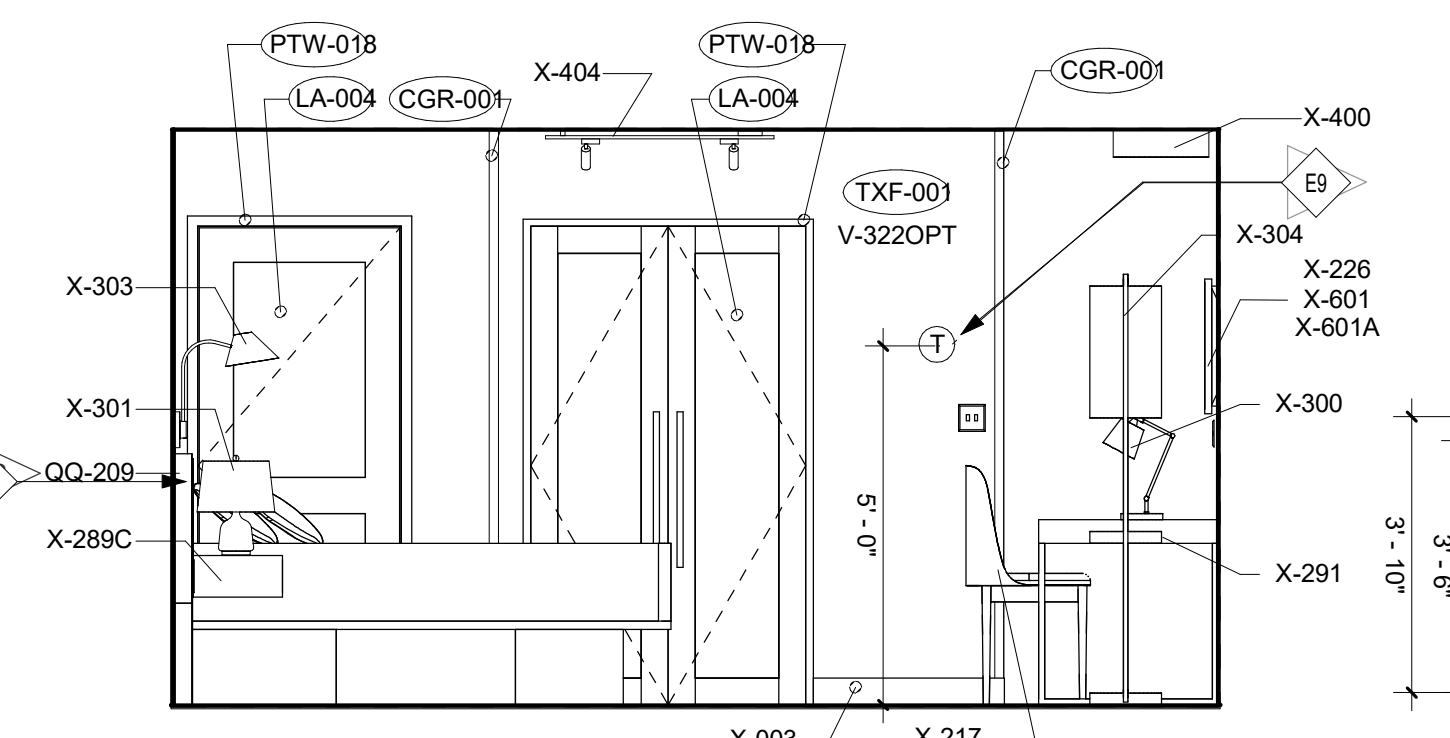
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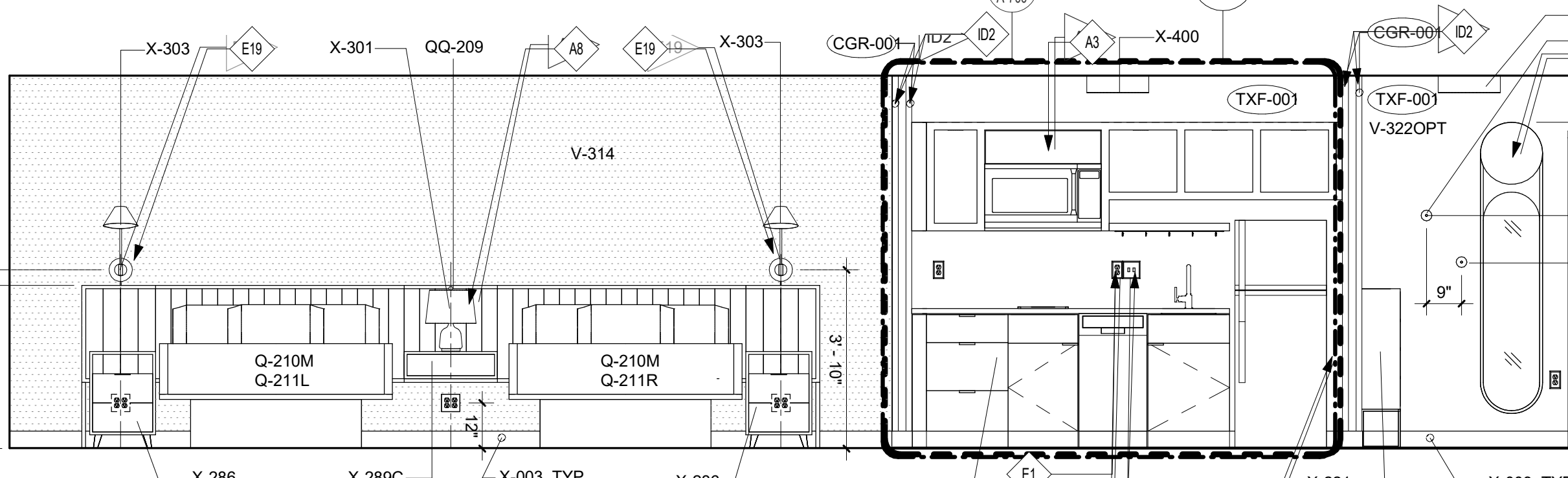
8 STUDIO QQ END-ELEV4
3/8" = 1'-0"



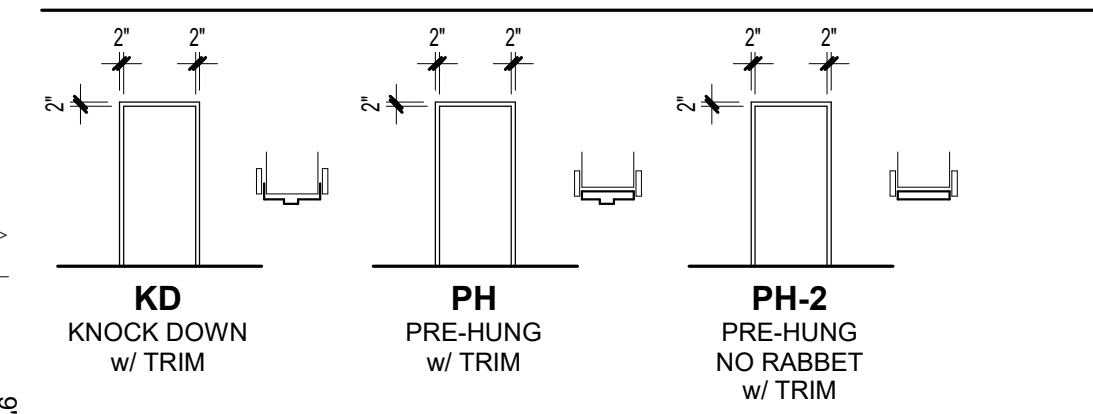
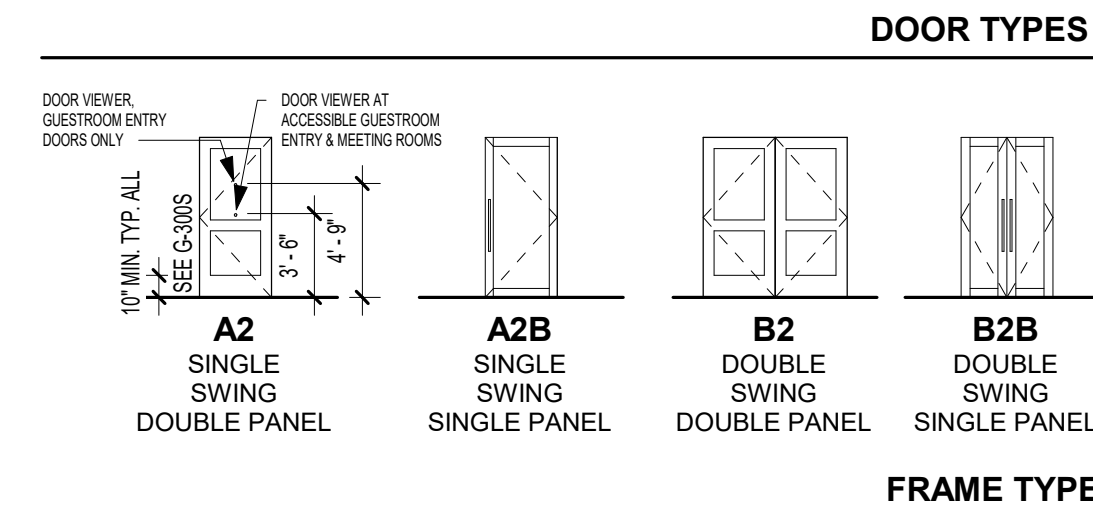
7 STUDIO QQ END-ELEV3
3/8" = 1'-0"



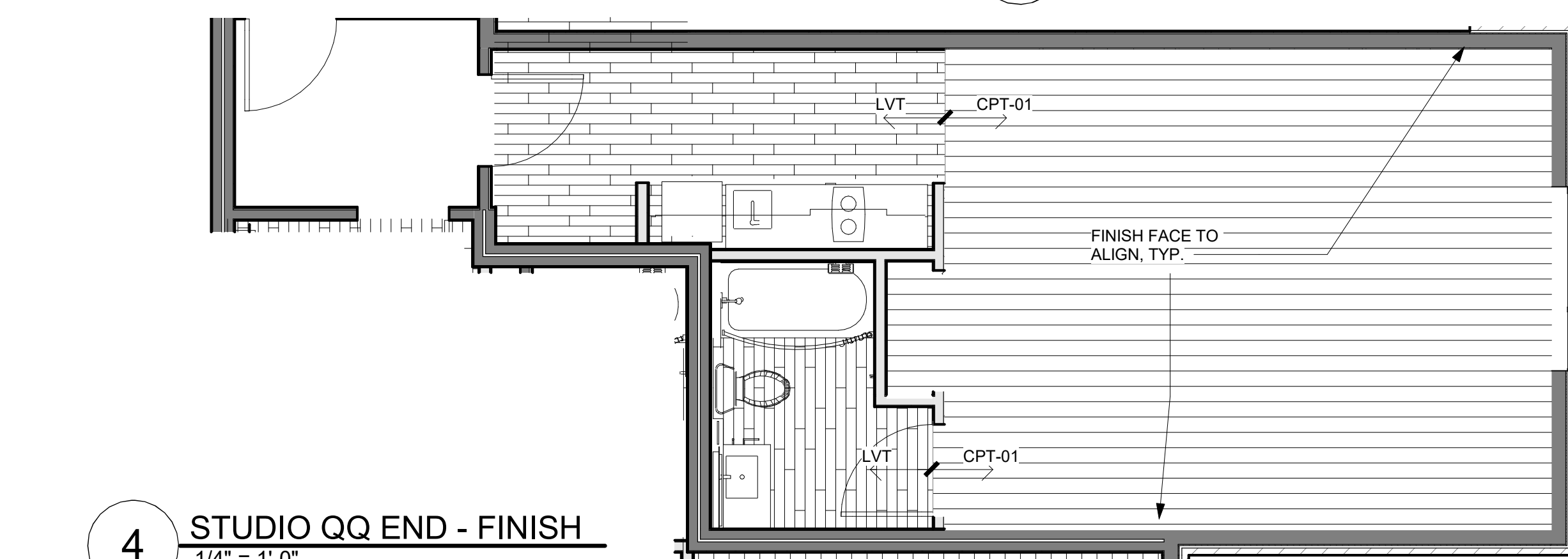
6 STUDIO QQ END-ELEV2
3/8" = 1'-0"



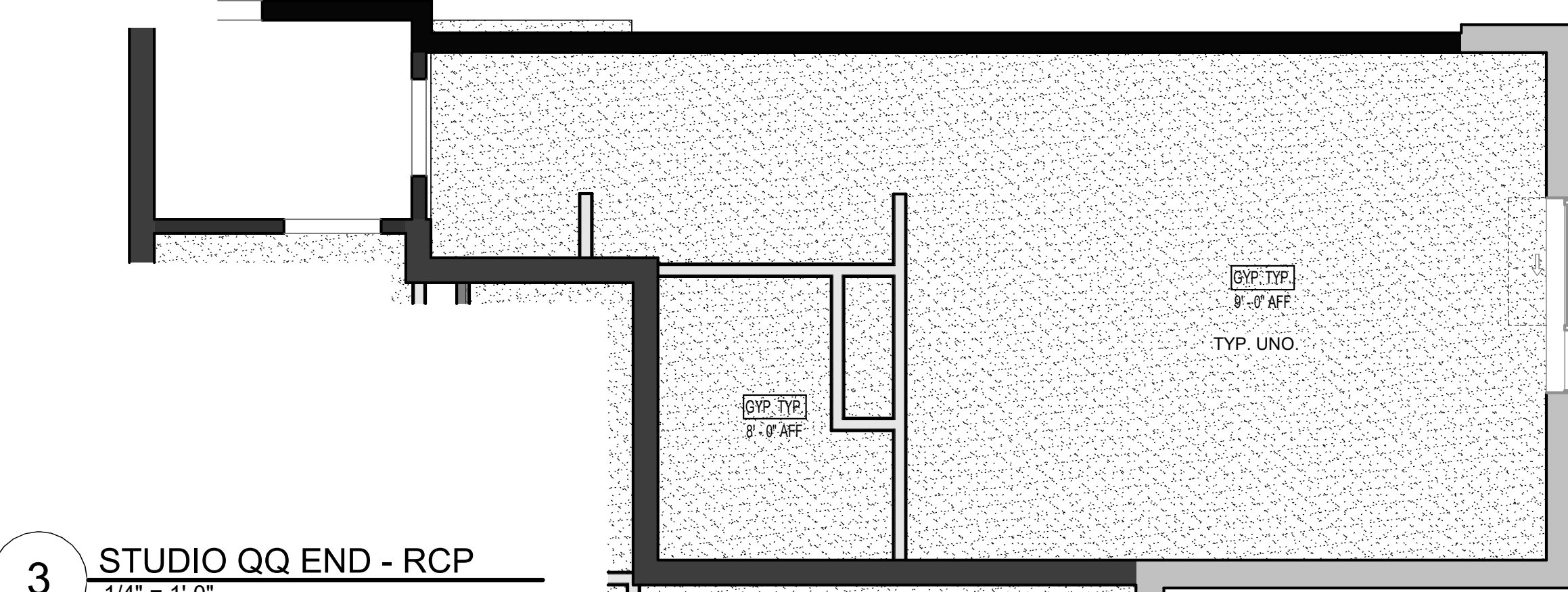
5 STUDIO QQ END-ELEV1
3/8" = 1'-0"



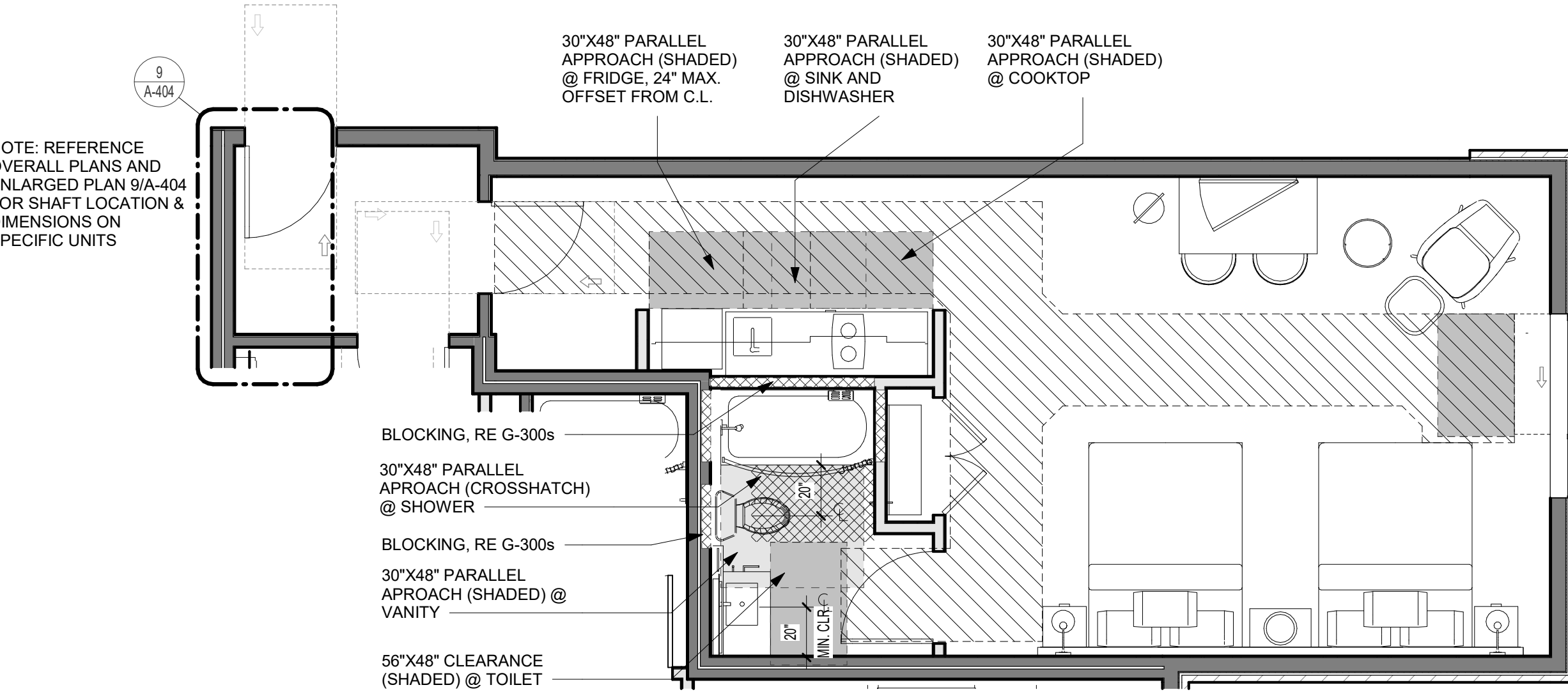
DOOR SCHEDULE - UNIT DOORS (STUDIO QQ END ONLY)									
Mark	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments	Hardware Group	
000	3'-0"	6'-8"	1 3/4"	20	A2	HM			
000	3'-0"	6'-8"	1 3/4"	20	A2	HM			
000	3'-0"	6'-8"	1 3/4"	20	A2	HM			
000A	3'-0"	6'-8"	1 3/4"	45	A2				
000A	3'-0"	6'-8"	1 3/4"	45	A2				
001	3'-0"	6'-8"	1 3/4"		A2				
001	3'-0"	6'-8"	1 3/4"		A2				
002	3'-10"	6'-8"	1 3/4"		B2				
Lockout	3'-0"	6'-8"	1 3/4"		A2				



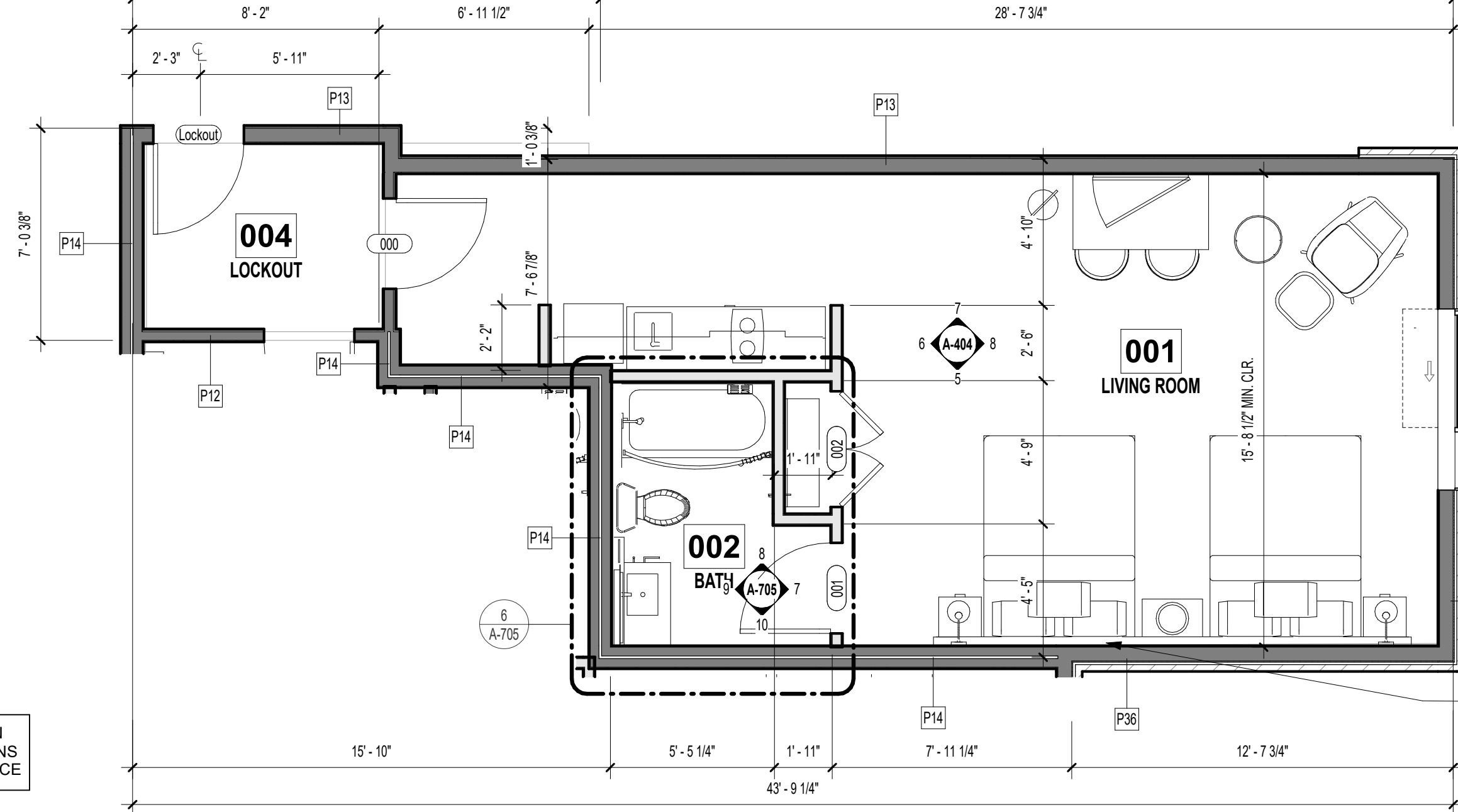
4 STUDIO QQ END - FINISH
1/4" = 1'-0"



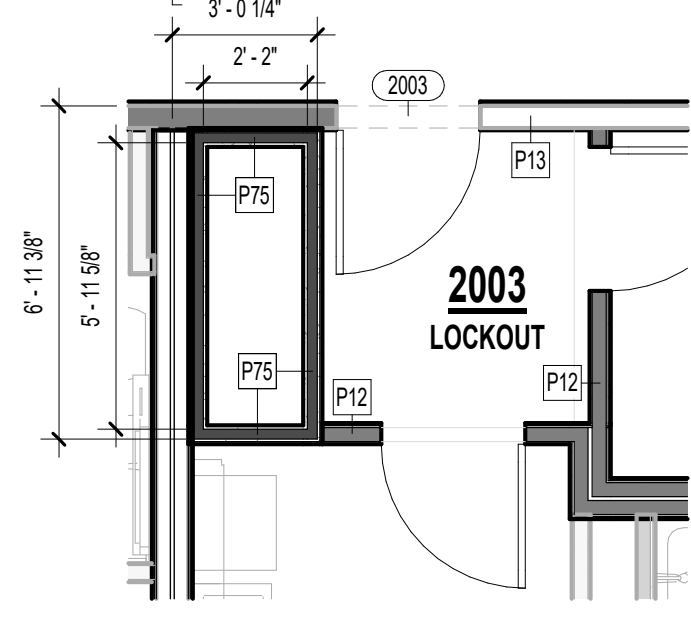
3 STUDIO QQ END - RCP
1/4" = 1'-0"



2 STUDIO QQ END - CS
1/4" = 1'-0"



1 STUDIO QQ END - FP
1/4" = 1'-0"



9 SHAFT ENLARGED PLAN
1/4" = 1'-0"

NOTE: REFERENCE OVERALL PLANS FOR SHAFT LOCATION ON SPECIFIC UNITS

RESILIENT CHANNEL TO BE INSTALLED ON INTERIOR SIDE OF THE WALL FOR ENTIRE LENGTH OF UNIT

RE: G-300 FOR ACCESSIBLE MOUNTING HEIGHTS, TYP

NOTE: ALL DIMS ON CLEAR SPACE PLANS ARE TO FINISH PLACE

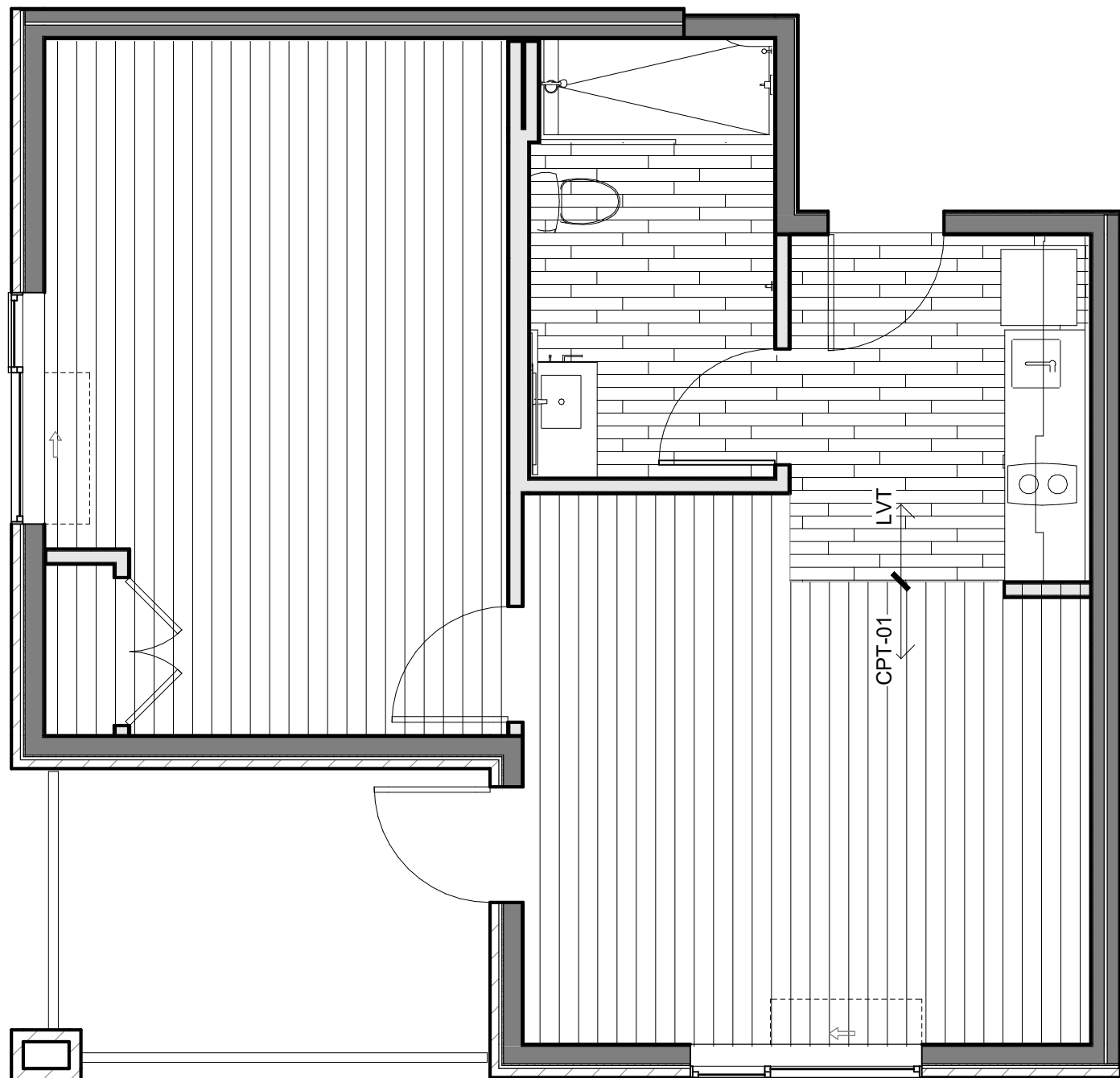
NOTE: REFERENCE OVERALL PLANS AND ENLARGED PLAN 9/A-404 FOR SHAFT LOCATION & DIMENSIONS ON SPECIFIC UNITS

BLOCKING, RE G-300s
30"x48" PARALLEL APPROACH (CROSSHATCH) @ SHOWER
BLOCKING, RE G-300s
30"x48" PARALLEL APPROACH (SHADED) @ VANITY
56"x48" CLEARANCE (SHADED) @ TOILET

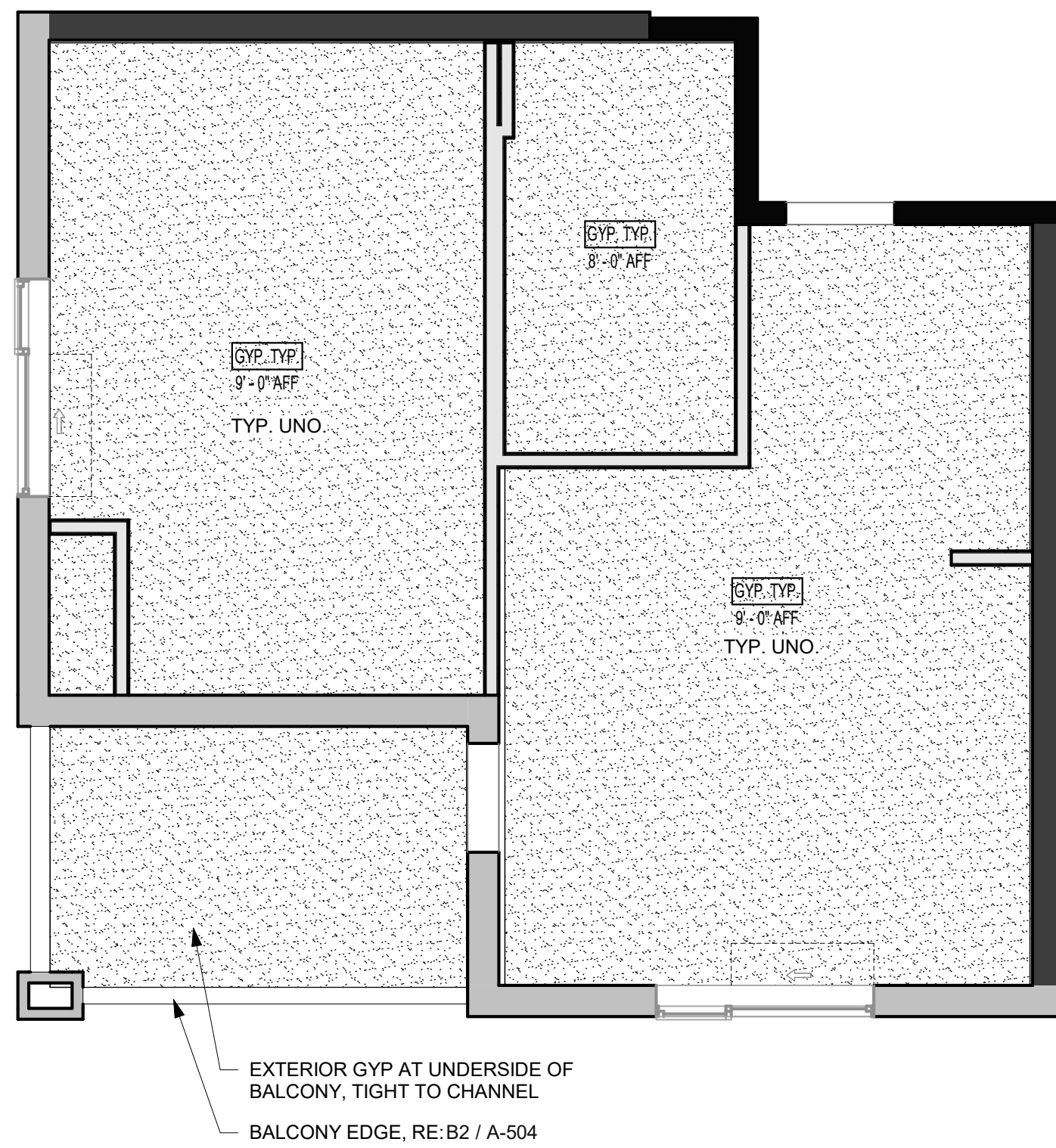
30"x48" PARALLEL APPROACH (SHADED) @ FRIDGE, 24" MAX. OFFSET FROM C.L.

30"x48" PARALLEL APPROACH (SHADED) @ SINK AND DISHWASHER

30"x48" PARALLEL APPROACH (SHADED) @ COOKTOP



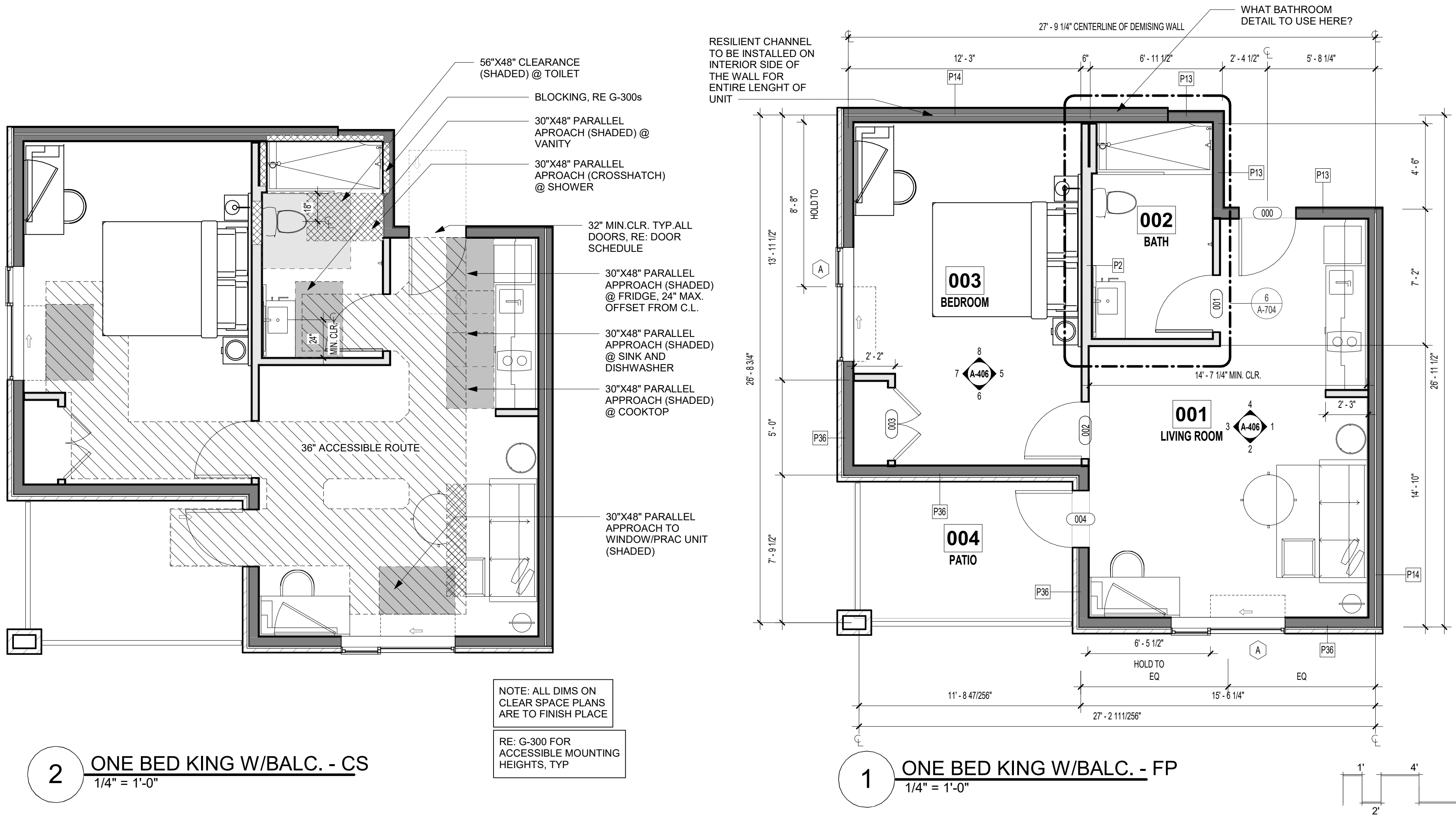
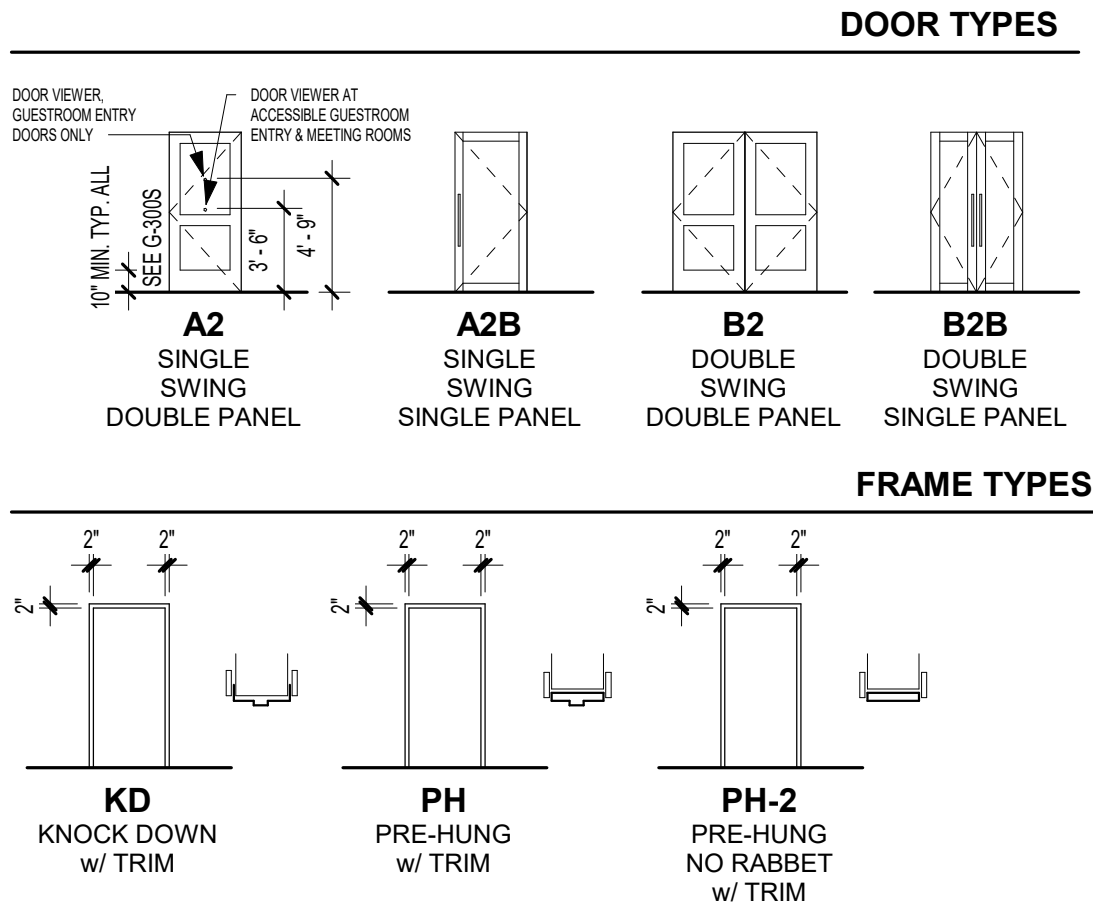
4 ONE BED KING W/BALC. - FINISH
1/4" = 1'-0"



3 ONE BED KING W/BALC. - RCP
1/4" = 1'-0"

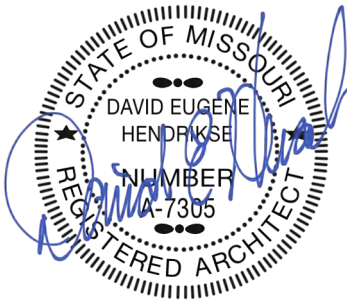
ROOM FINISH SCHEDULE - UNITS						
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	LIVING ROOM					
002	BATH					
003	BEDROOM					
004	PATIO					

DOOR SCHEDULE - UNIT DOORS (BY UNIT TYPE)								
Mark	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Hardware Group	Comments
000	3' - 0"	6' - 8"	1 3/4"	20	A2	HM		
001	3' - 0"	6' - 8"	1 3/8"		B			
002	3' - 0"	6' - 8"	1 3/4"		A2			
003	3' - 10"	6' - 8"	1 3/4"		B2			
004	3' - 0"	7' - 0"	1 3/4"		A3	HM		



2 ONE BED KING W/BALC. - CS
1/4" = 1'-0"

1 ONE BED KING W/BALC. - FP
1/4" = 1'-0"



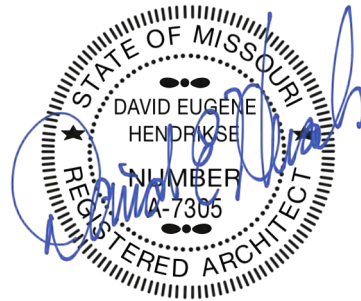
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TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
ONE BED KING UNIT PLAN W/
BALCONY-INT ELEV

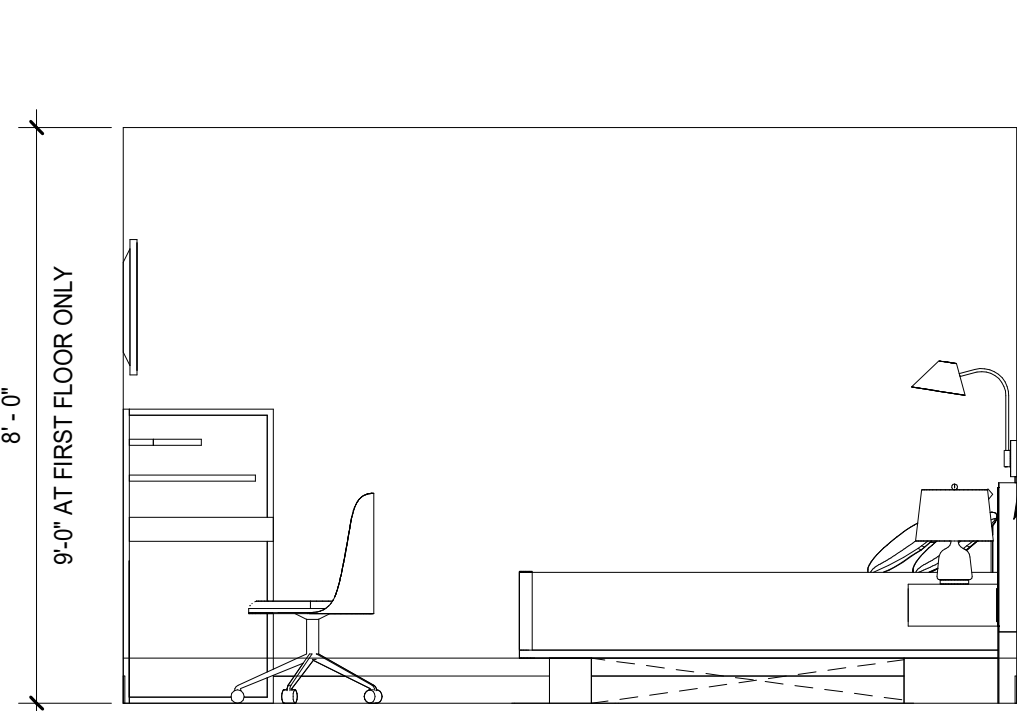
PROJECT NUMBER: 23098

SHEET NUMBER:

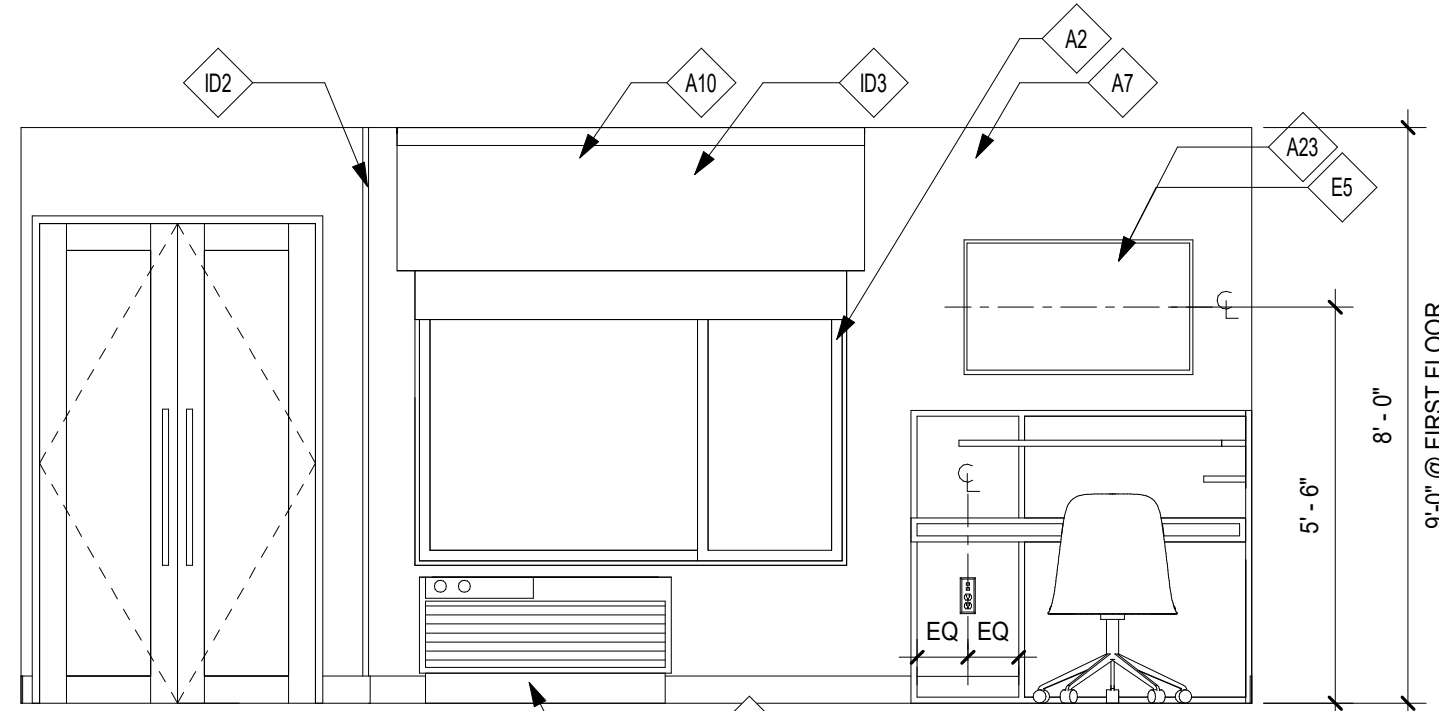
A-406

KEYNOTE LEGEND

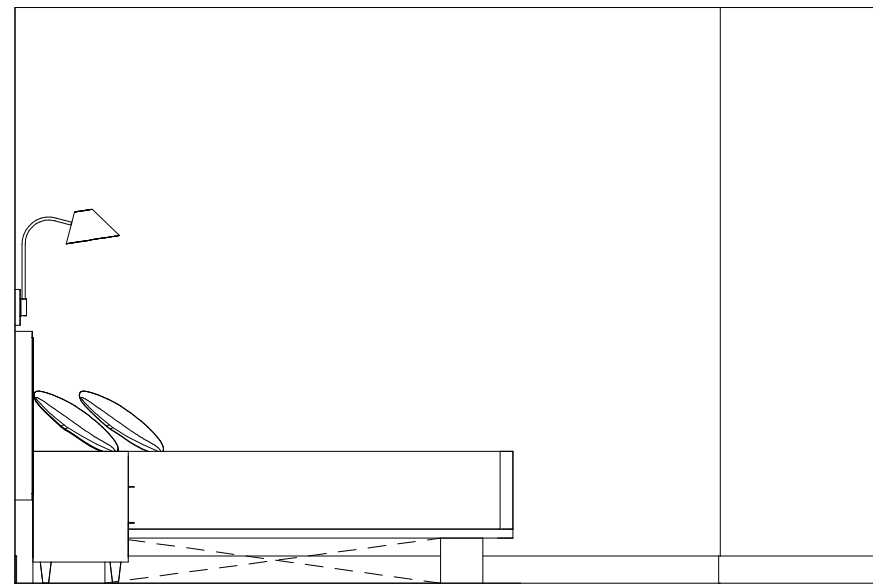
A2	LOCATE SHADE PULLS OPPOSITE SIDE OF PTAC UNIT
A3	FALSE PANEL WITH ACCESS TO ELECTRICAL BEHIND
A4	HOLD 4" SPACE BETWEEN SIDE OF REFRIGERATOR AND WALL TO ALLOW DOOR TO OPEN GREATER THAN 90 DEGREES FOR THE REMOVAL OF VEGETABLE DRAWER
A6	OVERALL KITCHEN CABINET LENGTH TO BE ORDERED TO FIT WALL INCLUDING FILLERS ON BOTH ENDS. ALLOW FOR APPROXIMATELY 1" TO 1-1/2" OF SPACE ON BOTH ENDS FOR RECESSED FILLERS. REFER TO DETAILS 7 & 8/550.
A7	TEXTURED FINISH AND PAINT REQUIRED ON GUESTROOM EXTERIOR WALL
A8	BLOCKING IN WALL FOR ALL CASEWORK, KITCHEN CABINETS, HEADBOARD, TV AND TV TRIM, SHOE CUBBY, MIRROR, CLOSET SYSTEM, FIXTURES, TOWEL BAR LADDER, GRAB BARS AND ACCESSORIES. COORDINATE LOCATION WITH MANUFACTURERS INSTALLATION REQUIREMENTS.
A9	INDICATE OUTLET LOCATION WITHIN WALL CONSTRUCTION TO AVOID OUTLETS OCCURRING IN SAME CAVITY WITHIN PARTITION. SEE DETAIL ON STC DIAGRAM ON G-102.
A10	PROVIDE BLOCKING IN CEILING/WALL FOR SHADE MOUNT. TOP OF SHADE MOUNT ABUTTS CEILING WHERE CEILING IS 8'-0" & 9'-0". COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
A20	PROVIDE WALL STOPS WHERE REQUIRED. PROVIDE WALL STOP BEHIND GUESTROOM ENTRY DOOR. REFER TO GUESTROOM OR PUBLIC SPACE BPM FOR DOOR HARDWARE.
A23	TV NICHE DETAIL DOES NOT APPLY TO EXTERIOR WALLS: TVs LOCATED ON EXTERIOR WALLS SHOULD BE SURFACE MOUNTED WITH FF&E TRIM X-226, REFER TO INTERIOR DESIGN SPECIFICATIONS MANUAL. TVs LOCATED IN THE DEMISING WALLS HAVE THE OPTION BETWEEN PROVIDING A NICHE WITH A SOUND BARRIER (REFER TO DETAIL 3/552) OR THE FF&E TRIM X-226. COORDINATE WITH THE INTERIOR DESIGN SPECIFICATION MANUAL WHEN PROVIDING X-228
E1	GANG OUTLETS & SWITCHES AT THE LOCATION @ HEIGHT SHOWN. SEE TYPICAL GUESTROOM OUTLET HEIGHT IN G-300s.
E5	OUTLETS FOR TV, CABLE AND POWER FOR TV TO BE MOUNTED IN OPENING OF WALL MOUNTED TV PANEL. SEE DETAILS SHEET 552 OR B552 FOR TV OPENING DETAIL.
E6	PTAC FOR TYPICAL GUEST ROOM HVAC. SEE DETAILS ON 222 OR B222 FOR PTAC AND WALL SLEEVE INFORMATION.
E18	TWO-TOGGLE SWITCH FOR GARBAGE DISPOSAL, AND UNDERCABINET LIGHT. PROVIDE JBOX(S) FOR MILLWORK LIGHTING, RE: ELEC.
E19	PROVIDE OUTLET FOR WALL SCONCE AT HEADBOARD WHERE SHOWN IN ELEVATION. SWITCH LOCATED ON LIGHT FIXTURE.
ID1	TEXTURED WALL COATING IS THE REQUIRED FINISH FOR EXTERIOR GUESTROOM WALLS.
ID2	ALL EXTERIOR CORNERS SHALL HAVE FULL HEIGHT CORNER GUARDS.
ID3	REFER TO INTERIOR DESIGN SPECIFICATION MANUAL WINDOW TREATMENT SPECIFICATIONS AND ELEVATIONS FOR ROLLER SHADE INFORMATION



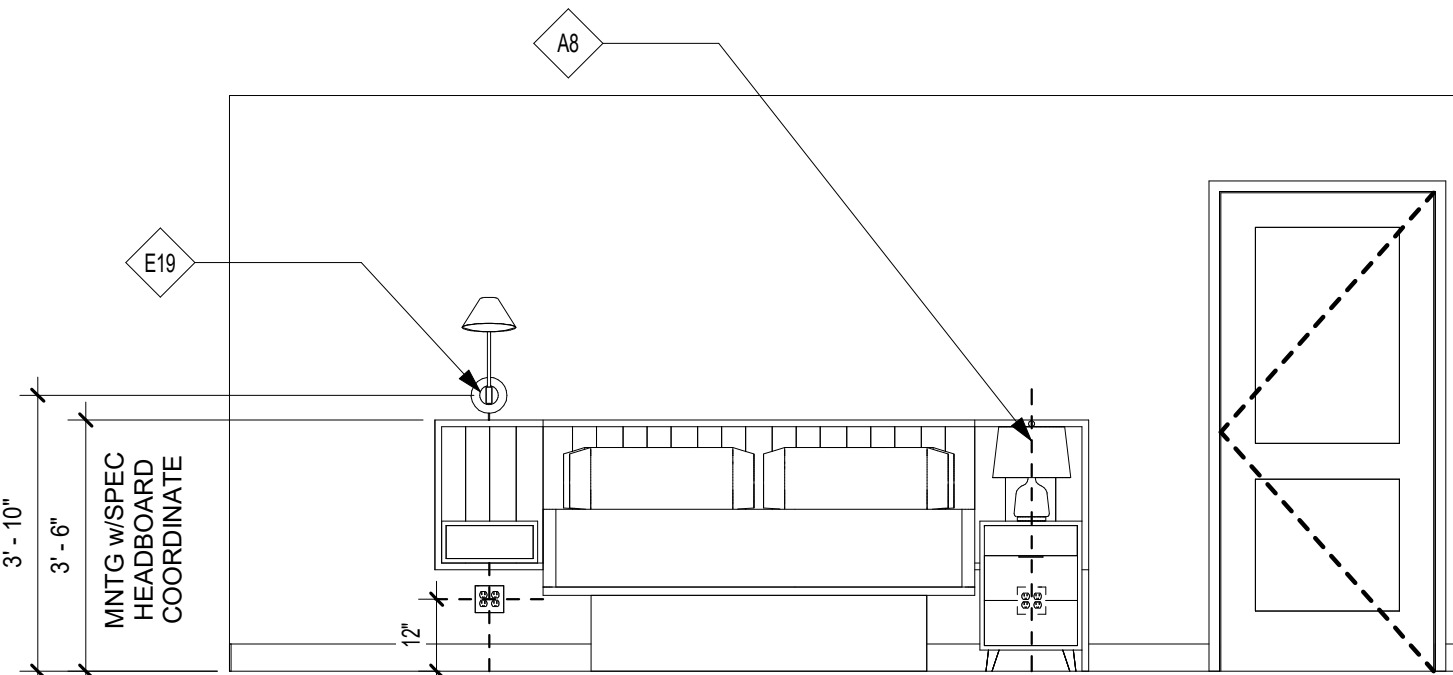
8 STUDIO KING w/ BALCONY ELEV6
3/8" = 1'-0"



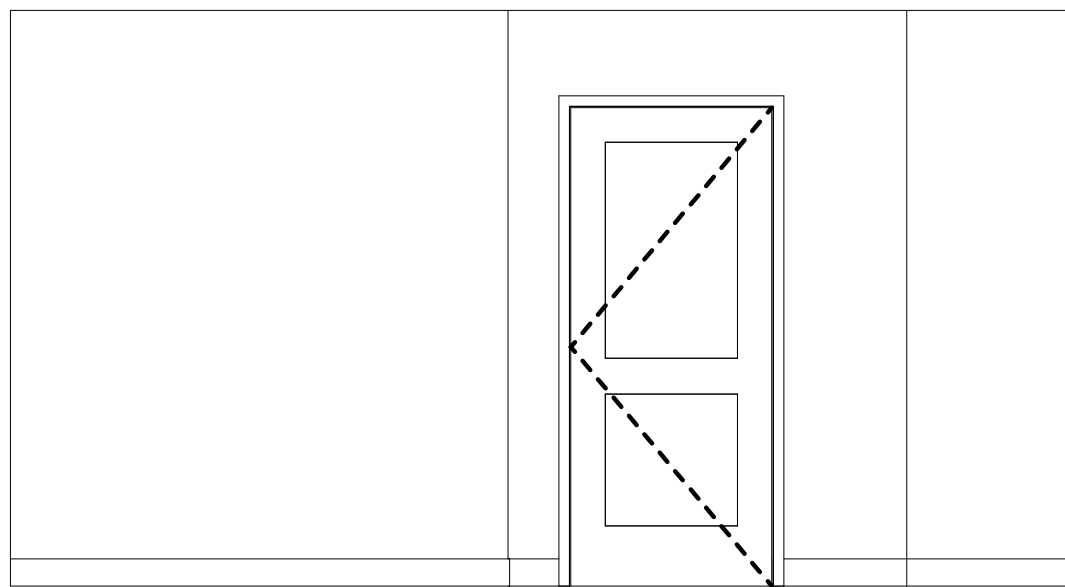
7 STUDIO KING w/ BALCONY ELEV7
3/8" = 1'-0"



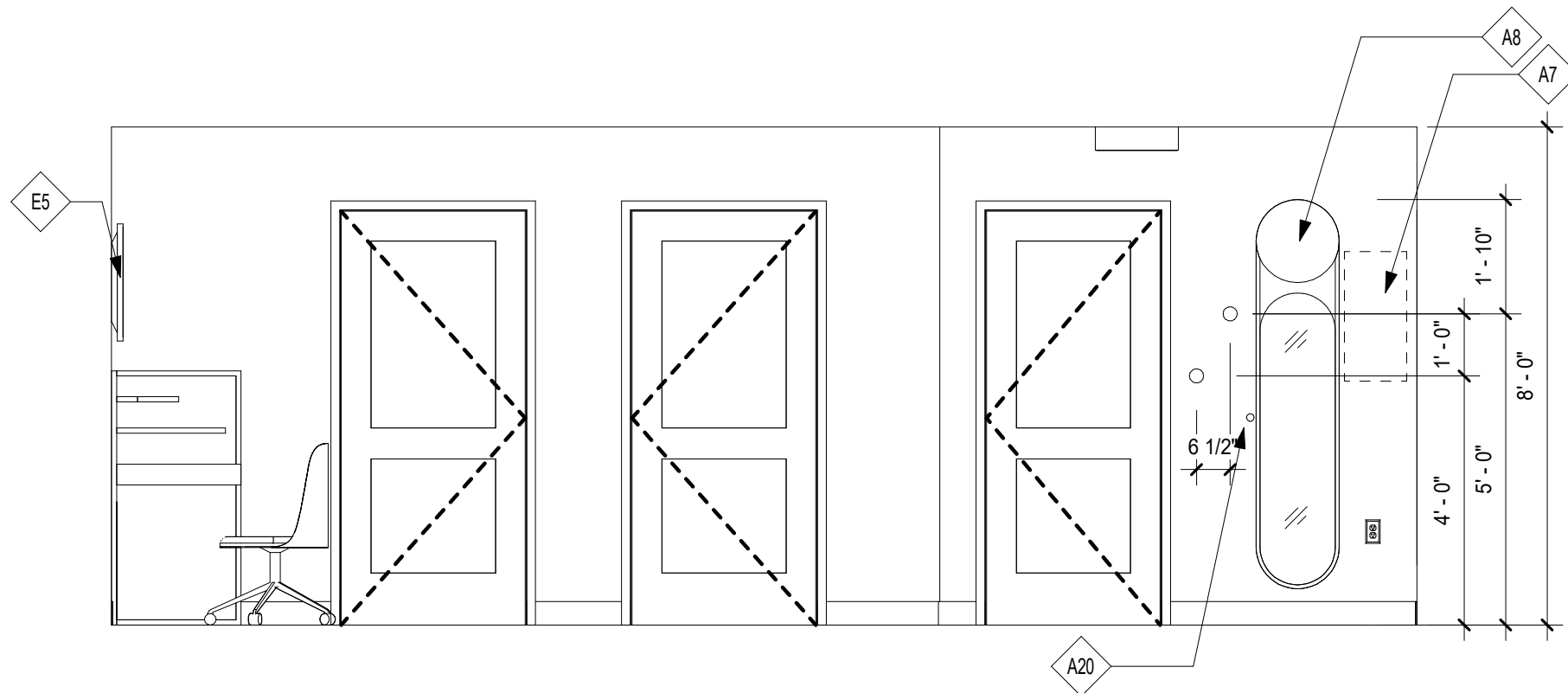
6 STUDIO KING w/ BALCONY ELEV8
3/8" = 1'-0"



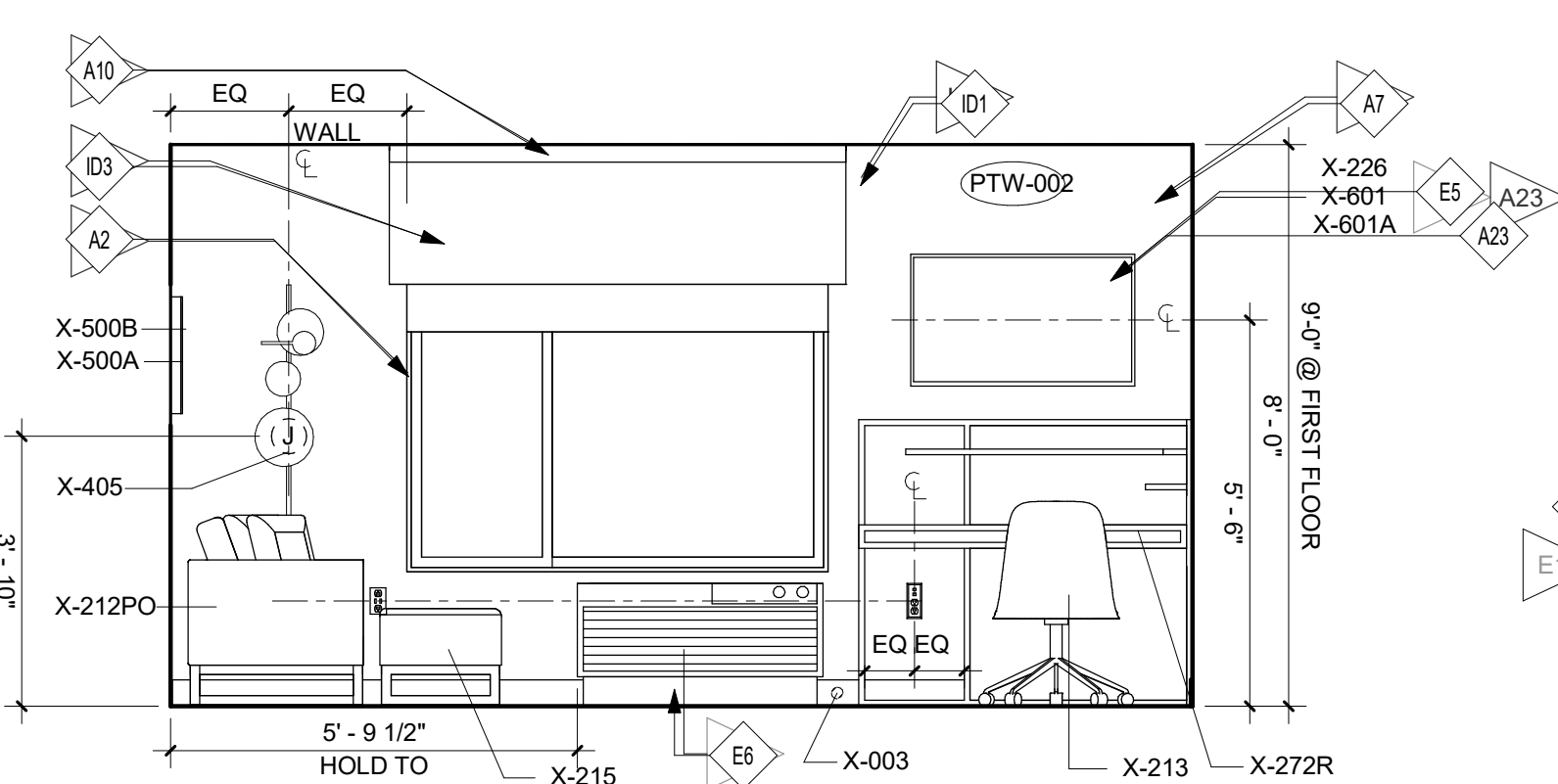
5 STUDIO KING w/ BALCONY ELEV9
3/8" = 1'-0"



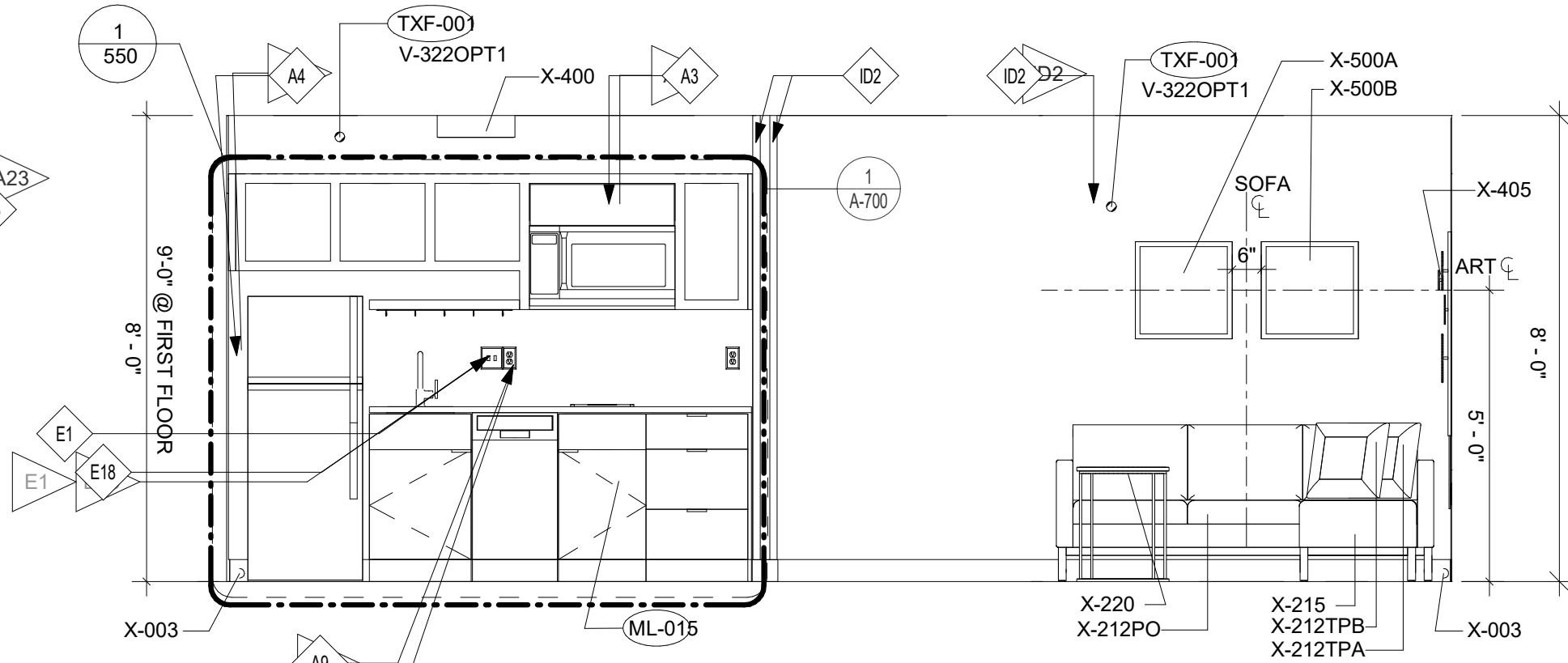
4 STUDIO KING w/ BALCONY ELEV5
3/8" = 1'-0"



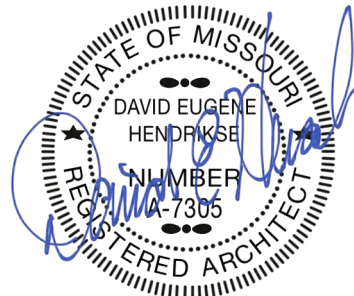
3 STUDIO KING w/ BALCONY ELEV3
3/8" = 1'-0"



2 STUDIO KING w/ BALCONY ELEV4
3/8" = 1'-0"



1 STUDIO KING w/ BALCONY ELEV2
3/8" = 1'-0"



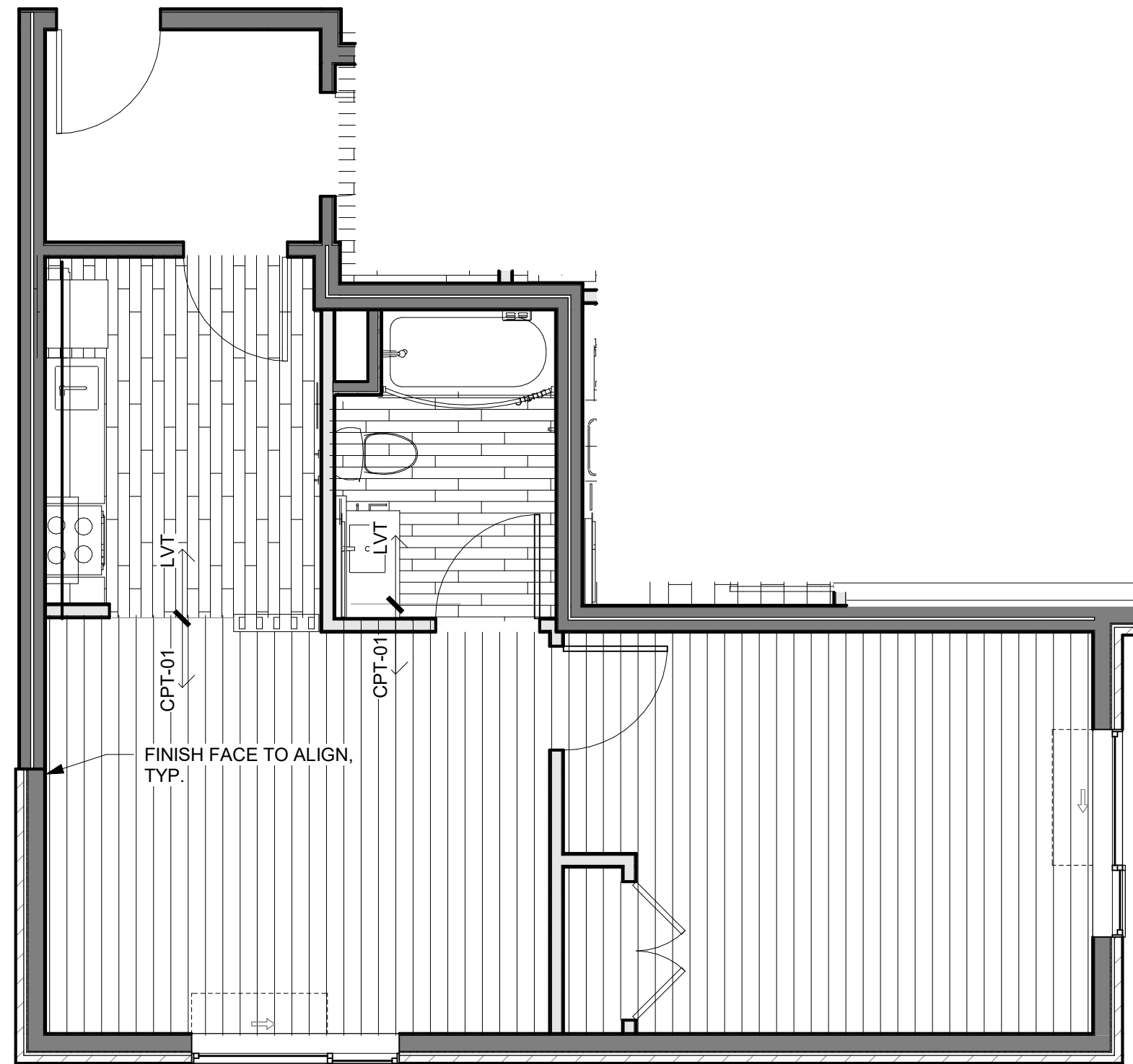
TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
ONE BED KING UNIT PLAN

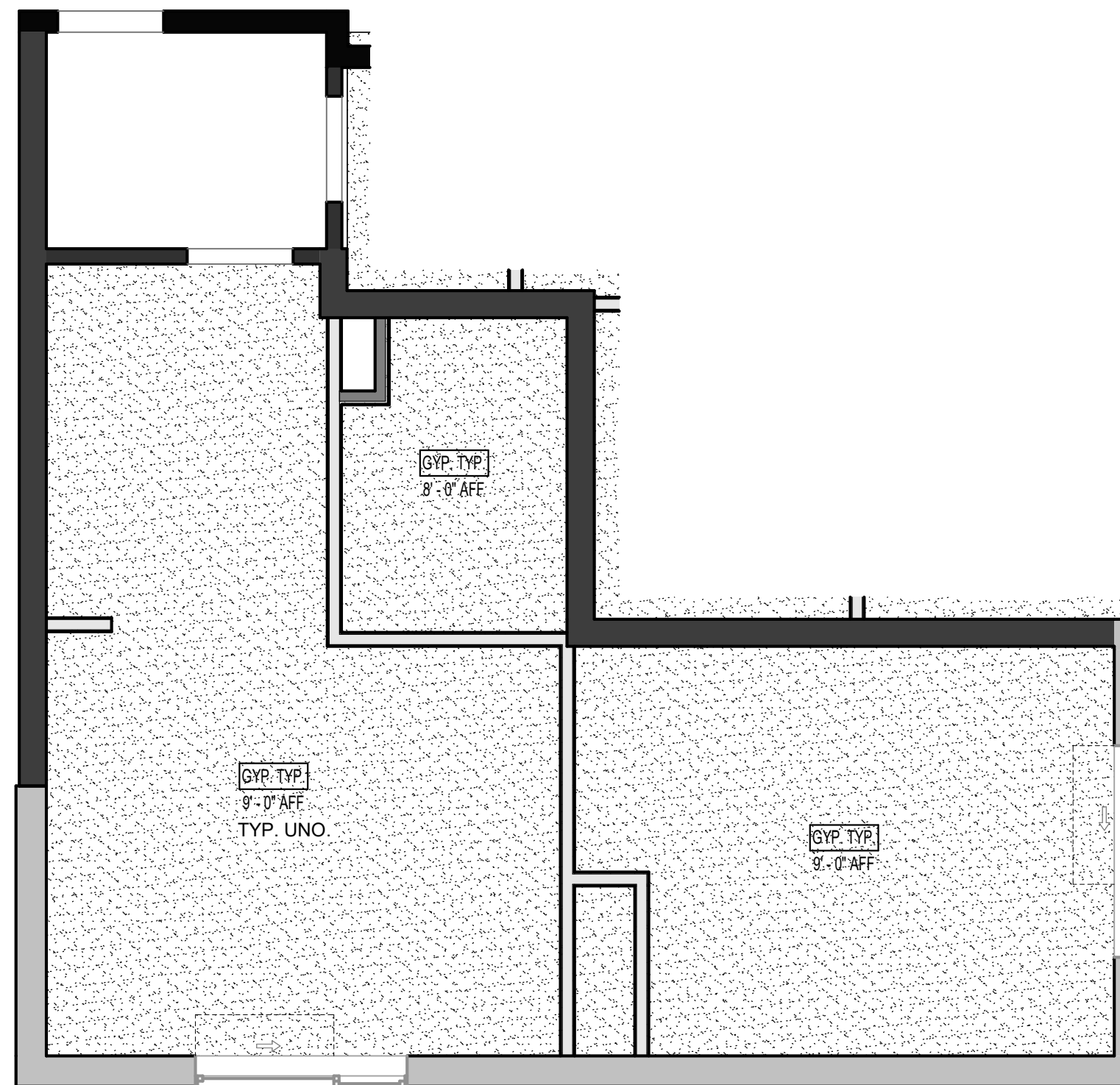
PROJECT NUMBER: 23098

SHEET NUMBER:

A-407



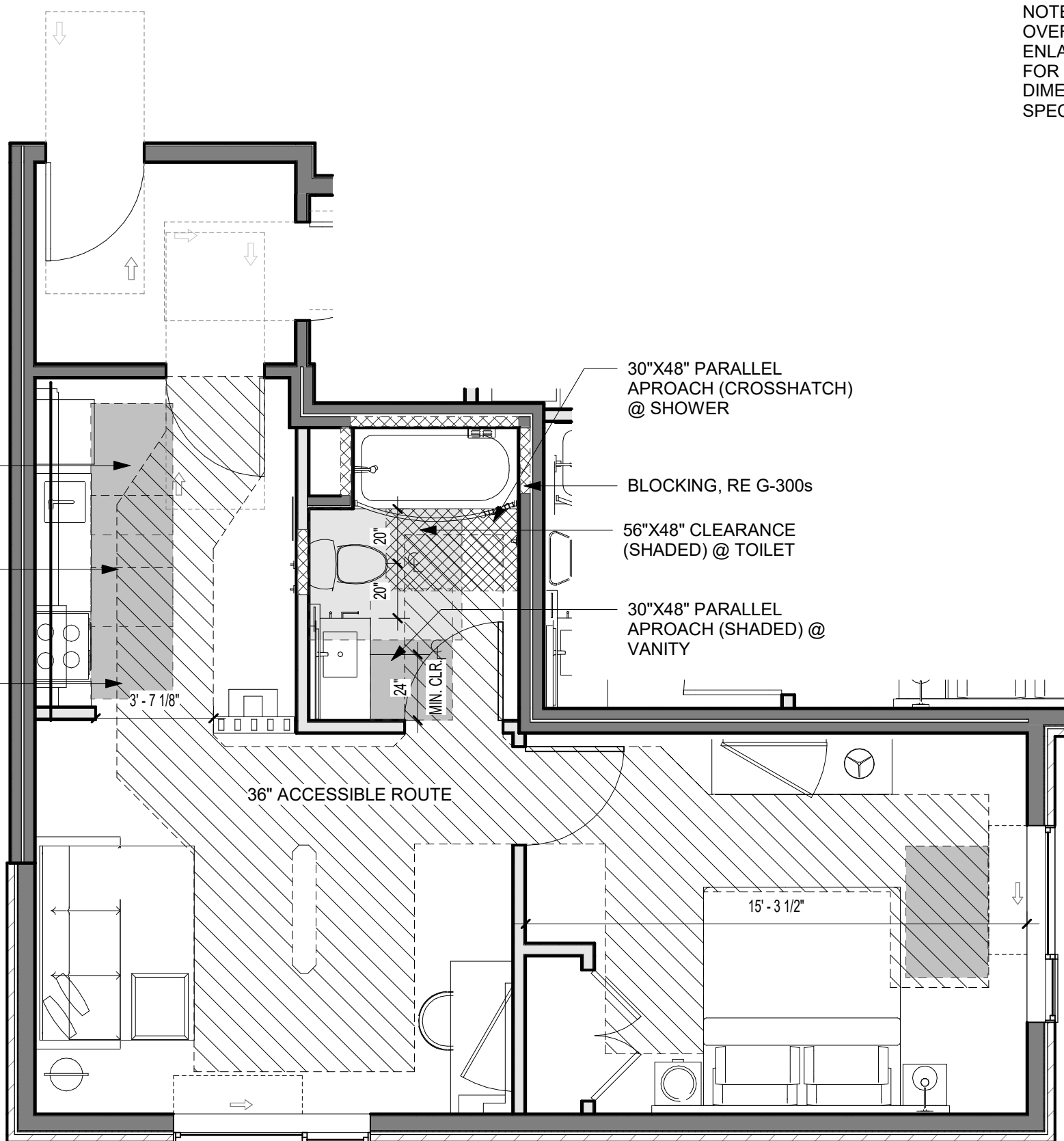
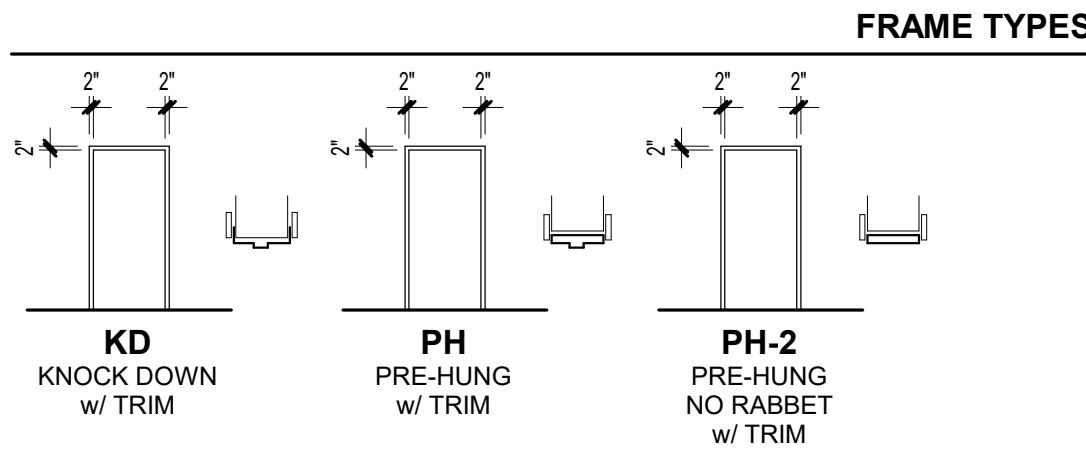
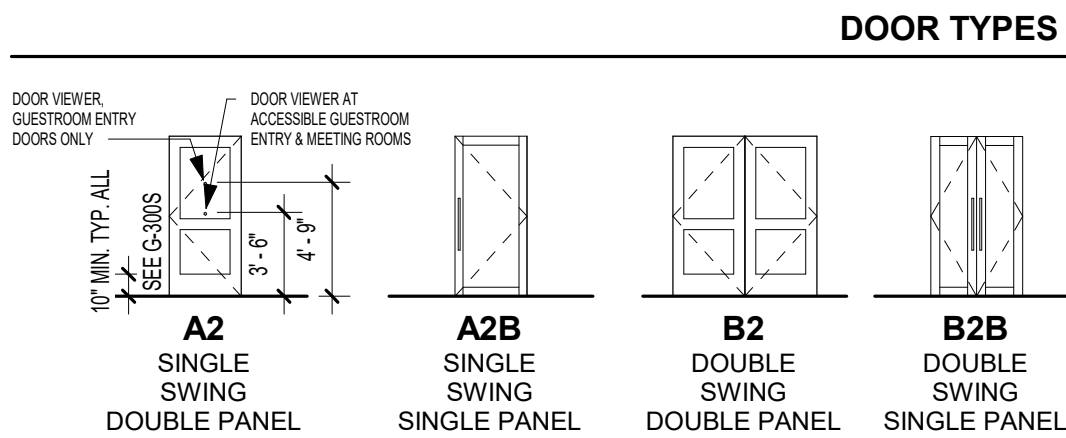
4 ONE BED KING - FINISH
1/4" = 1'-0"



3 ONE BED KING - RCP
1/4" = 1'-0"

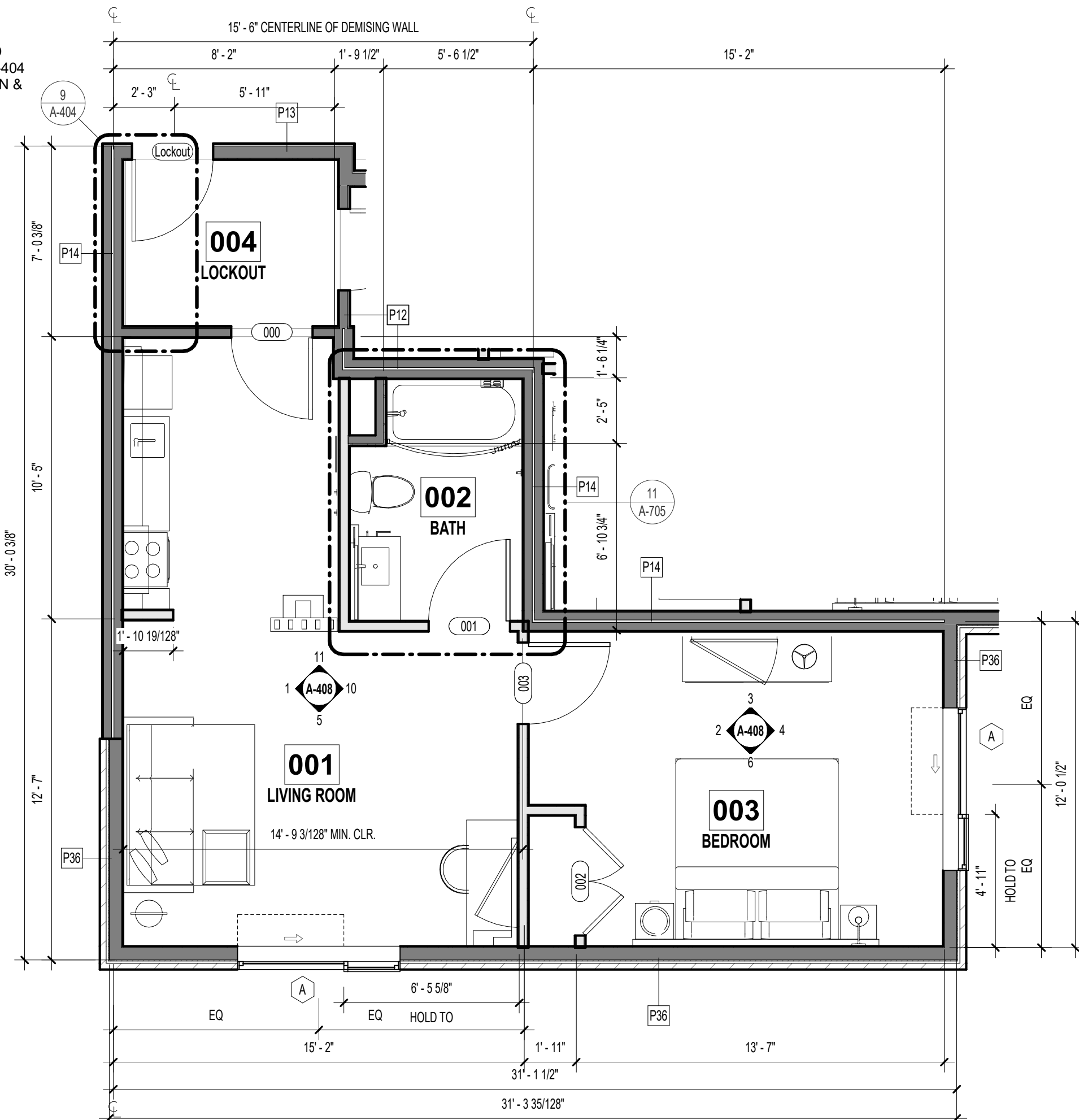
ROOM FINISH SCHEDULE - UNITS						
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	LIVING ROOM					
001	LIVING ROOM					
002	BATH					
002	BATH					
003	BEDROOM					
004	LOCKOUT					

DOOR SCHEDULE - UNIT DOORS (BY UNIT TYPE)								
Mark	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Hardware Group	Comments
000	3'-0"	6'-8"	1 3/4"	20	A2	HM		
000	3'-0"	6'-8"	1 3/4"	20	A2	HM		
001	3'-0"	6'-8"	1 3/4"		A2			
001	3'-0"	6'-8"	1 3/4"		A2			
002	4'-0"	6'-8"	1 3/4"		B2			
003	3'-0"	6'-8"	1 3/4"		A2			
Lockout	3'-0"	6'-8"	1 3/4"		A2			

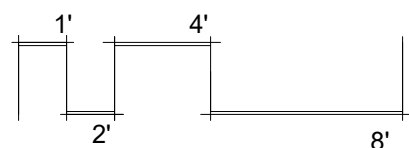


2 ONE BED KING - CS
1/4" = 1'-0"

NOTE: REFERENCE
OVERALL PLANS AND
ENLARGED PLAN 9/A-404
FOR SHAFT LOCATION &
DIMENSIONS ON
SPECIFIC UNITS



1 ONE BED KING - FP
1/4" = 1'-0"



KEYNOTE LEGEND

A2	LOCATE SHADE PULLS OPPOSITE SIDE OF PTAC UNIT
A3	FALSE PANEL WITH ACCESS TO ELECTRICAL BEHIND
A4	HOLD 4" SPACE BETWEEN SIDE OF REFRIGERATOR AND WALL TO ALLOW DOOR TO OPEN GREATER THAN 90 DEGREES FOR THE REMOVAL OF VEGETABLE DRAWER
A7	TEXTURED FINISH AND PAINT REQUIRED ON GUESTROOM EXTERIOR WALL.
A8	BLOCKING IN WALL FOR ALL CASEWORK, KITCHEN CABINETS, HEADBOARD, TV AND TV TRIM, SHOE CUBBY, MIRROR, CLOSET SYSTEM, FIXTURES, TOWEL BAR LADDER, GRAB BARS AND ACCESSORIES. COORDINATE LOCATION WITH MANUFACTURERS INSTALLATION REQUIREMENTS.
A9	INDICATE OUTLET LOCATION WITHIN WALL CONSTRUCTION TO AVOID OUTLETS OCCURRING IN SAME CAVITY WITHIN PARTITION. SEE DETAIL ON STC DIAGRAM ON G-102.
A10	PROVIDE BLOCKING IN CEILING/WALL FOR SHADE MOUNT. TOP OF SHADE MOUNT ABUTTS CEILING WHERE CEILING IS 8'-0" & 9'-0". COORDINATE LOCATION WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
A19	GUESTROOM SURFACE MOUNTED SIGNAGE. REFER TO INTERIOR SIGNAGE SPECIFICATIONS FOR INFORMATION.
A23	TV NICHE DETAIL DOES NOT APPLY TO EXTERIOR WALLS; TVs LOCATED ON EXTERIOR WALLS SHOULD BE SURFACE MOUNTED WITH FF&E TRIM X-226. REFER TO INTERIOR DESIGN SPECIFICATIONS MANUAL. TVs LOCATED IN THE DEMISING WALLS HAVE THE OPTION BETWEEN PROVIDING A NICHE WITH A SOUND BARRIER (REFER TO DETAIL 3/552) OR THE FF&E TRIM X-226. COORDINATE WITH THE INTERIOR DESIGN SPECIFICATION MANUAL WHEN PROVIDING X-226.
E4	MASTER DEVICE OR LIGHT SWITCH WITH SIGNAGE TO CONTROL ALL HARDWIRED LIGHTS IN GUESTROOM, WITH EXCEPTION OF BATHROOM. PROVIDE SEPARATE SWITCHES FOR UPPER CABINET, UNDER SHELF, UNDER CABINET AND DECORATIVE WALL SCONCES. INTERFACE THE MASTER DEVICE WITH THE GUESTROOM MANAGEMENT SYSTEM (GRMS). SEE ELEC. & SPEC.
E5	OUTLETS FOR TV, CABLE AND POWER FOR TV TO BE MOUNTED IN OPENING OF WALL MOUNTED TV PANEL. SEE DETAILS SHEET 552 OR B552 FOR TV OPENING DETAIL.
E6	PTAC FOR TYPICAL GUEST ROOM HVAC. SEE DETAILS ON 222 OR B222 FOR PTAC AND WALL SLEEVE INFORMATION.
E7	ELECTRIC PANEL, TO BE PAINTED SAME COLOR AS SURROUNDING WALL. INSTALL AS CLOSE AS POSSIBLE TO THE ENTRY DOOR WALL.
E9	THERMOSTAT. LOCATE THERMOSTAT WITH INTEGRAL OCCUPANCY SENSOR FACING SLEEPING AREA. COORDINATE WITH THE GUESTROOM MANAGEMENT SYSTEM (GRMS). SEE TYPICAL GUESTROOM OUTLET HEIGHT DETAILS ON G-300S AND ROOM ELEVATION FOR ADDITIONAL INFORMATION.
E18	TWO-TOGGLE SWITCH FOR GARBAGE DISPOSAL, AND UNDERCABINET LIGHT. PROVIDE JBOX(S) FOR MILLWORK LIGHTING. RE. ELEC.
E19	PROVIDE OUTLET FOR WALL SCONCE AT HEADBOARD WHERE SHOWN IN ELEVATION. SWITCH LOCATED ON LIGHT FIXTURE.
ID1	TEXTURED WALL COATING IS THE REQUIRED FINISH FOR EXTERIOR GUESTROOM WALLS.
ID2	ALL EXTERIOR CORNERS SHALL HAVE FULL HEIGHT CORNER GUARDS.
ID3	REFER TO INTERIOR DESIGN SPECIFICATION MANUAL WINDOW TREATMENT SPECIFICATIONS AND ELEVATIONS FOR ROLLER SHADE INFORMATION

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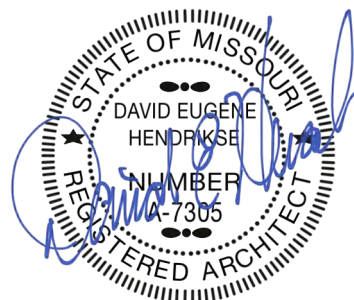


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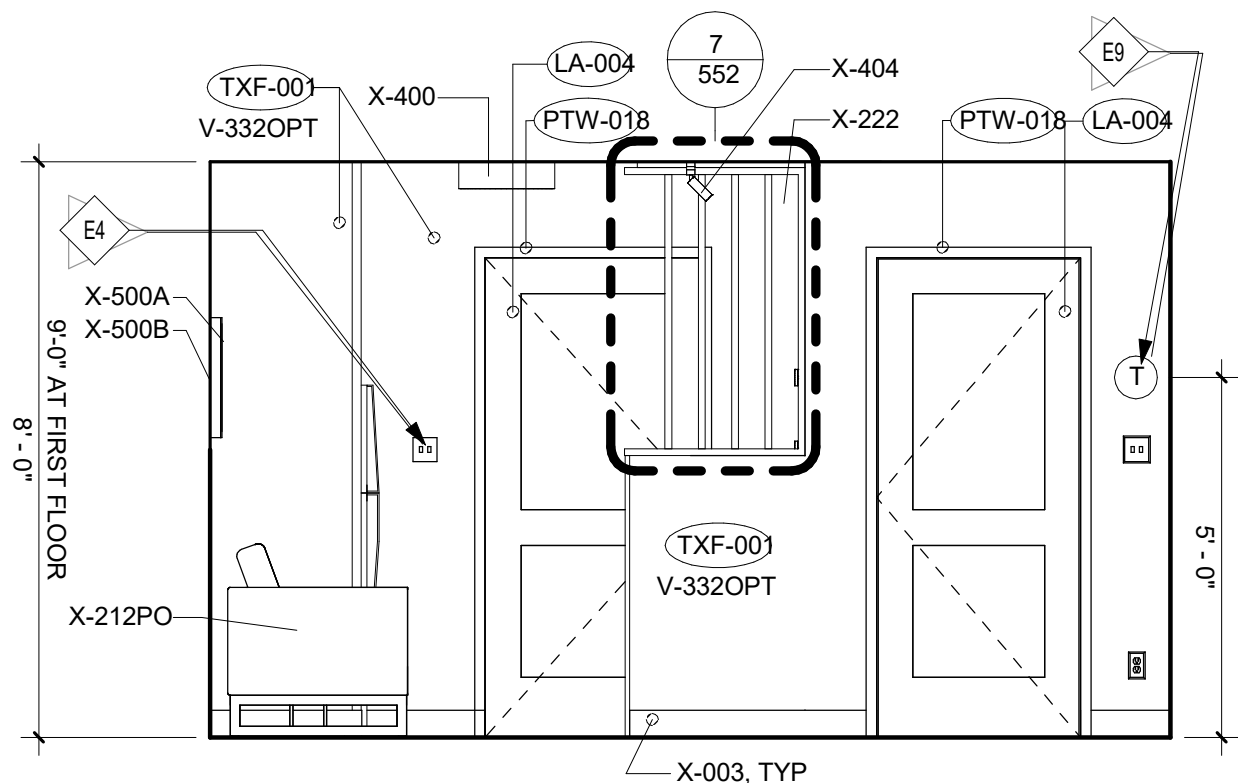
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LEE'S SUMMIT 64064 USA

SHEET TITLE
ONE BED QUEEN UNIT INT ELEV5

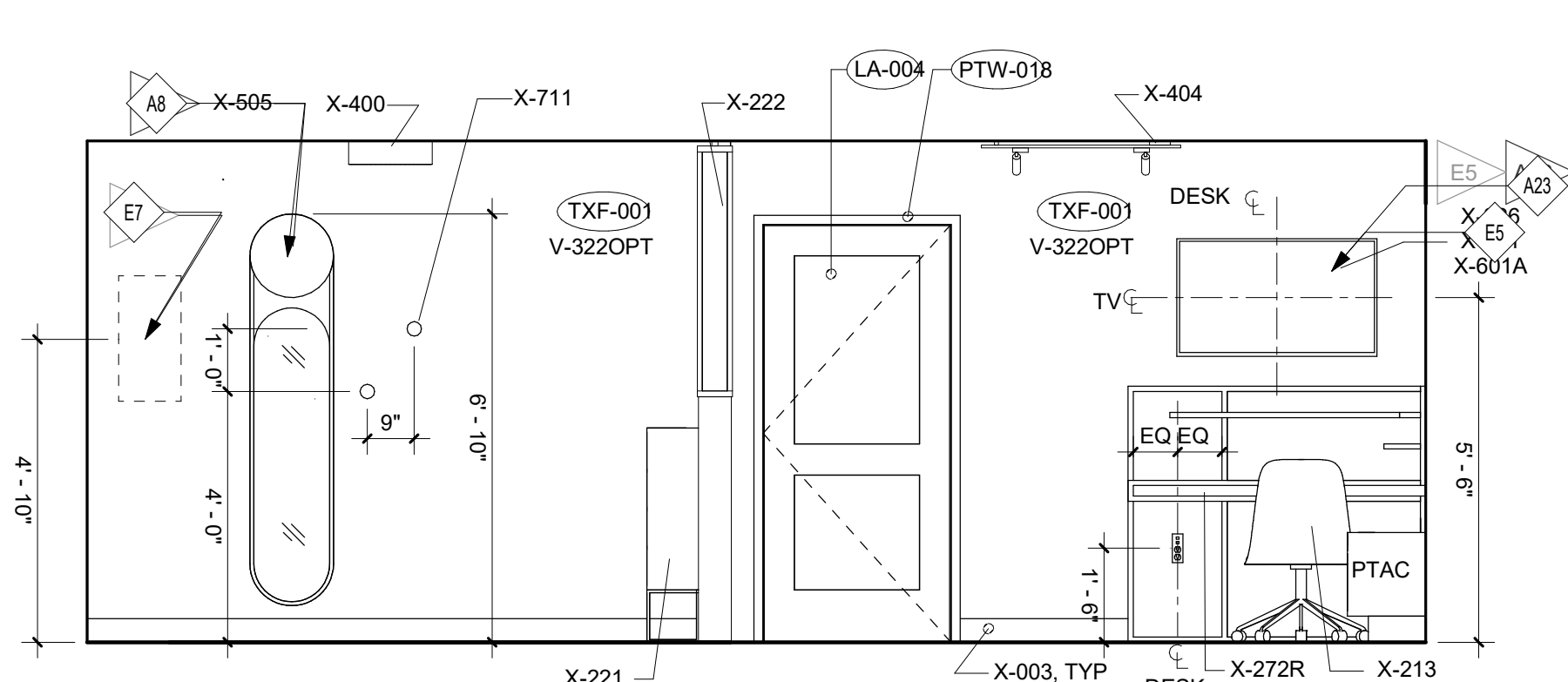
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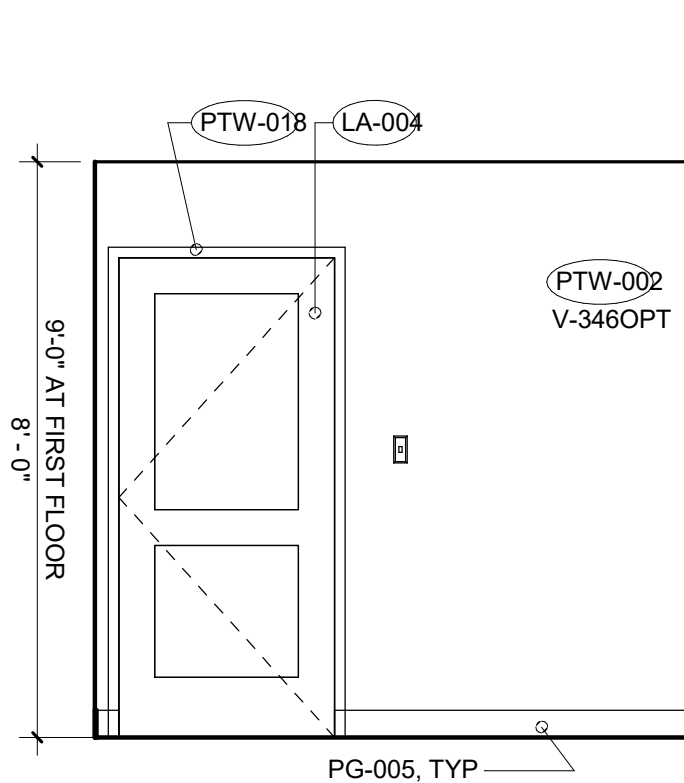
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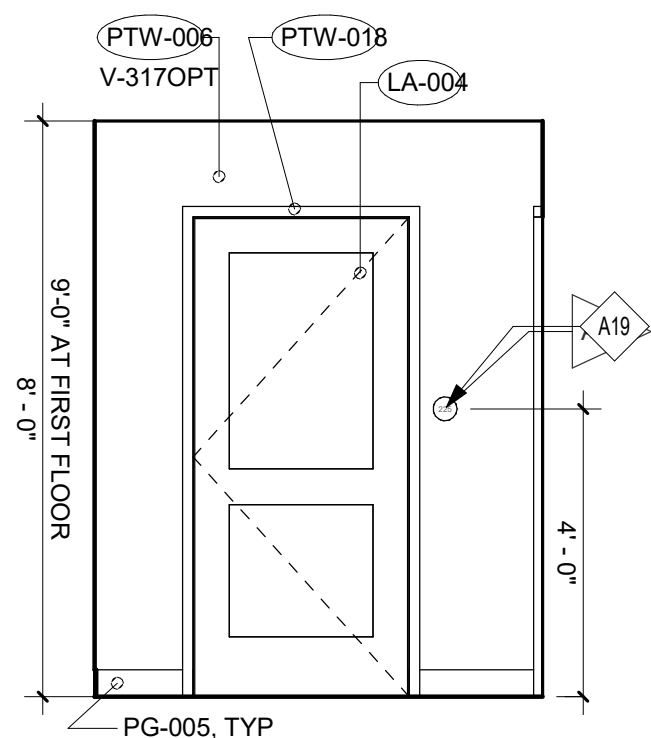
11 ONE BED QUEEN-ELEV11
3/8" = 1'-0"



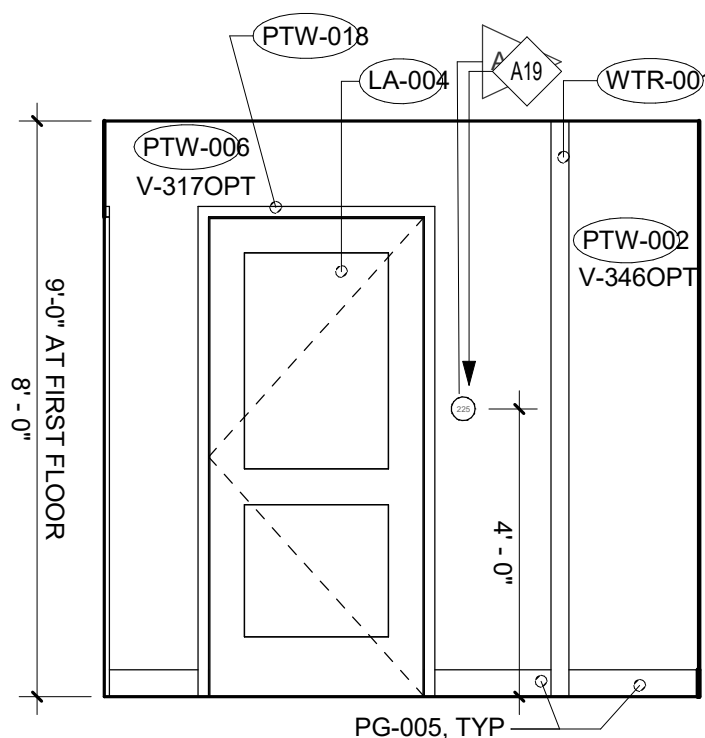
10 ONE BED QUEEN-ELEV10
3/8" = 1'-0"



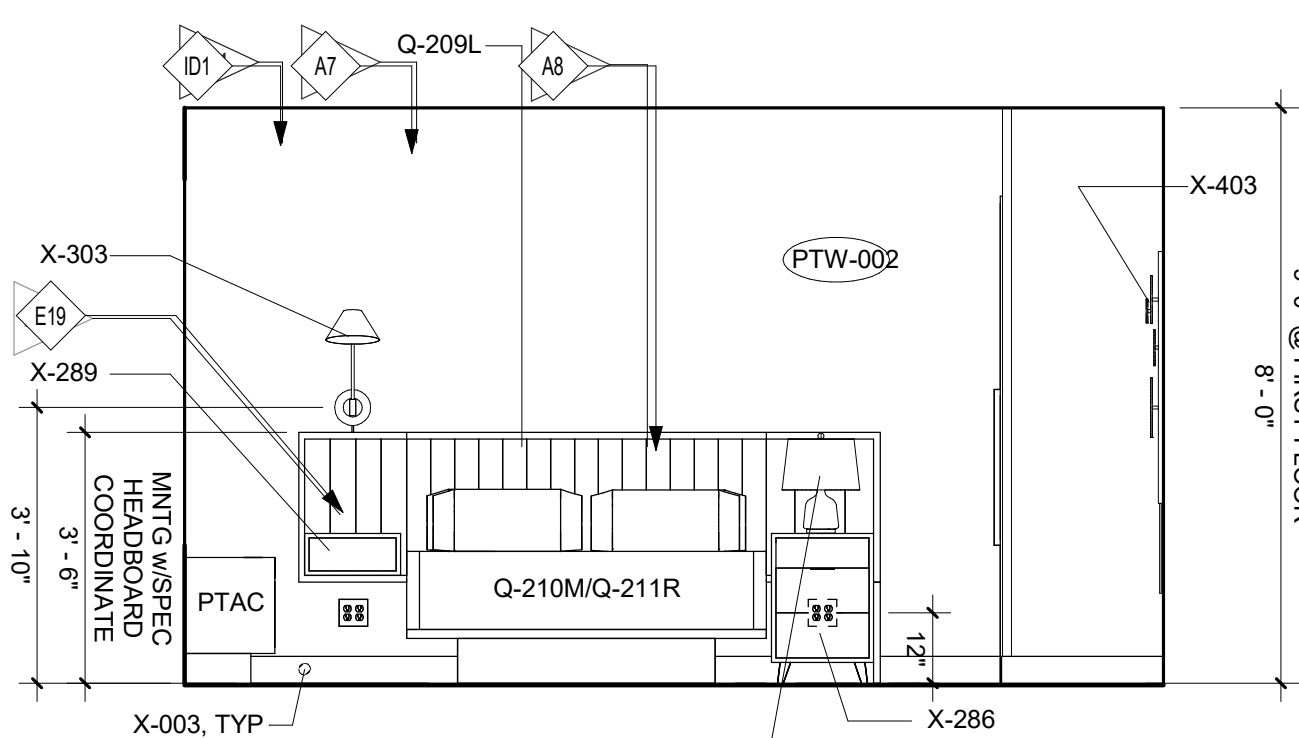
9 ONE BED QUEEN-ELEV9
3/8" = 1'-0"



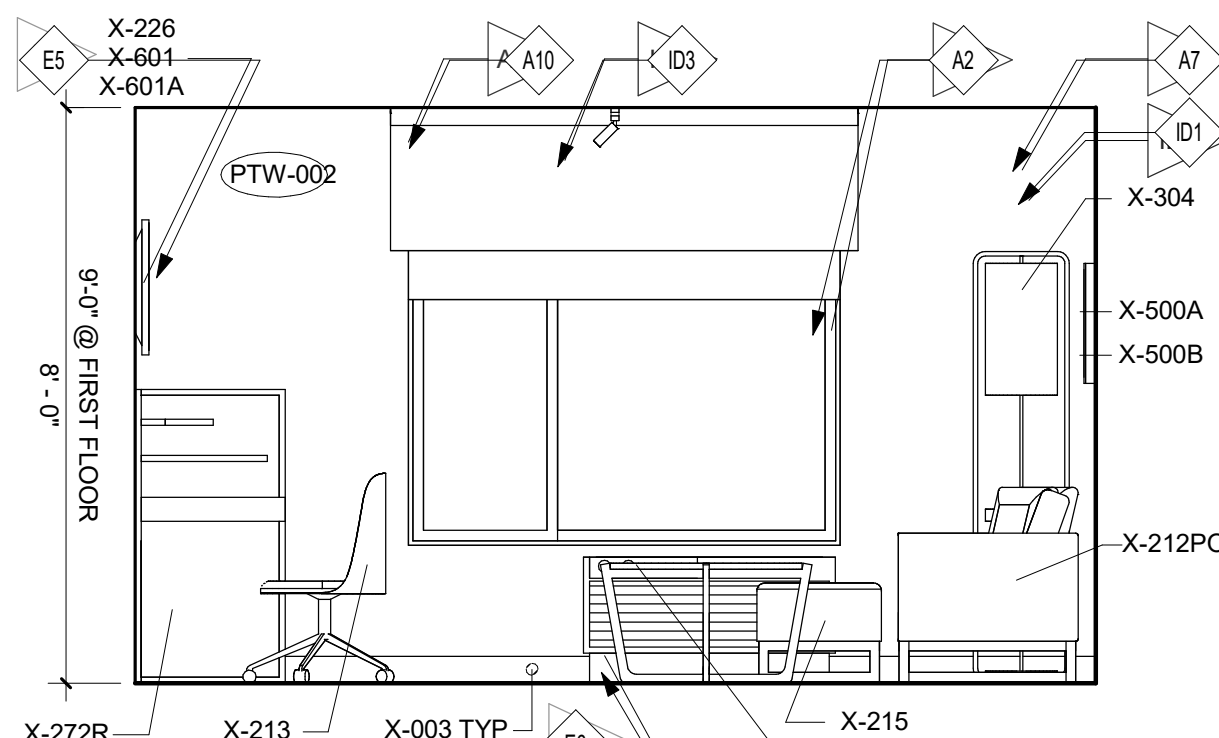
8 ONE BED QUEEN-ELEV8
3/8" = 1'-0"



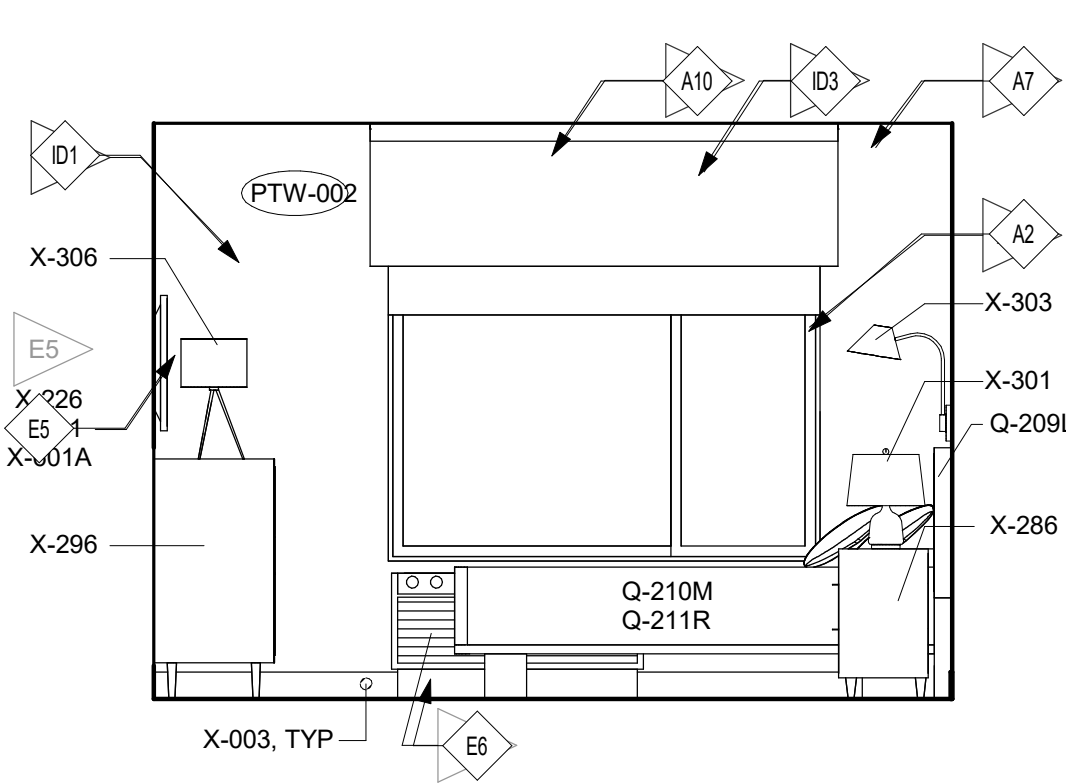
7 ONE BED QUEEN-ELEV7
3/8" = 1'-0"



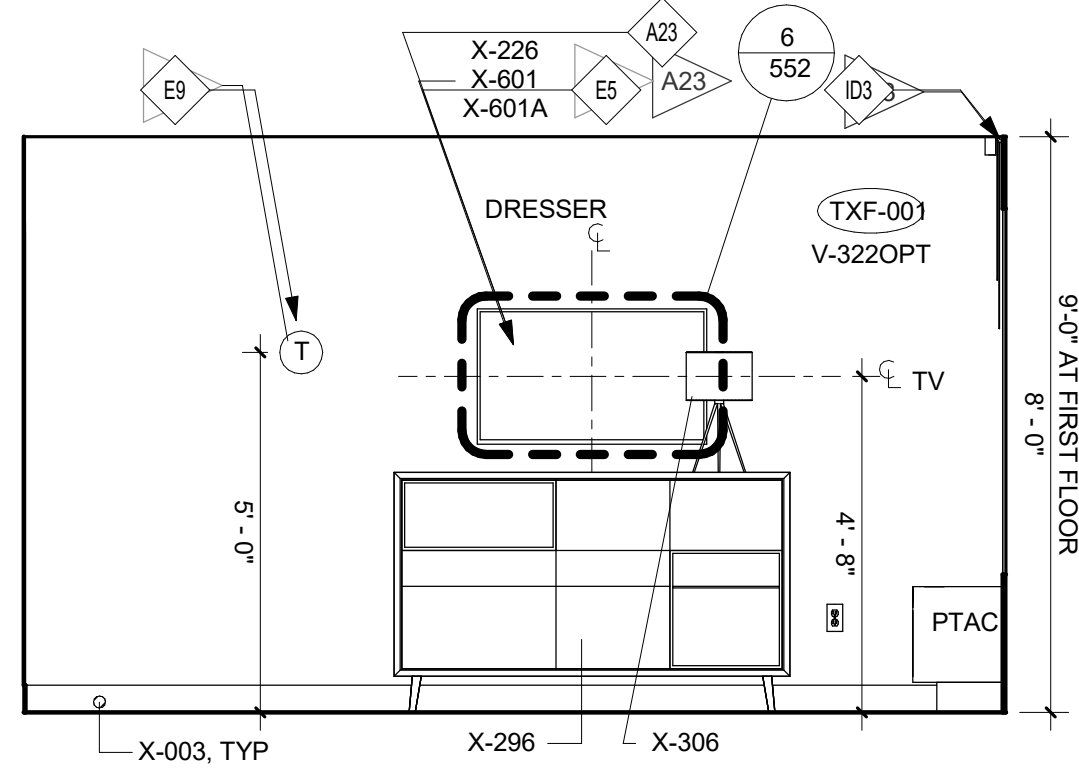
6 ONE BED QUEEN-ELEV6
3/8" = 1'-0"



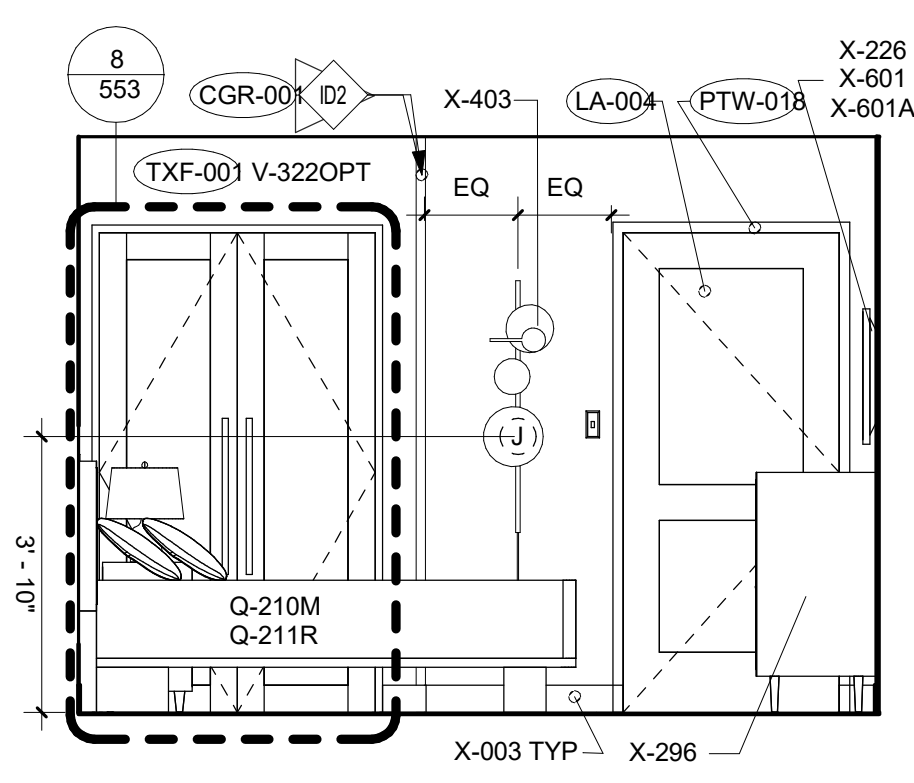
5 ONE BED QUEEN-ELEV5
3/8" = 1'-0"



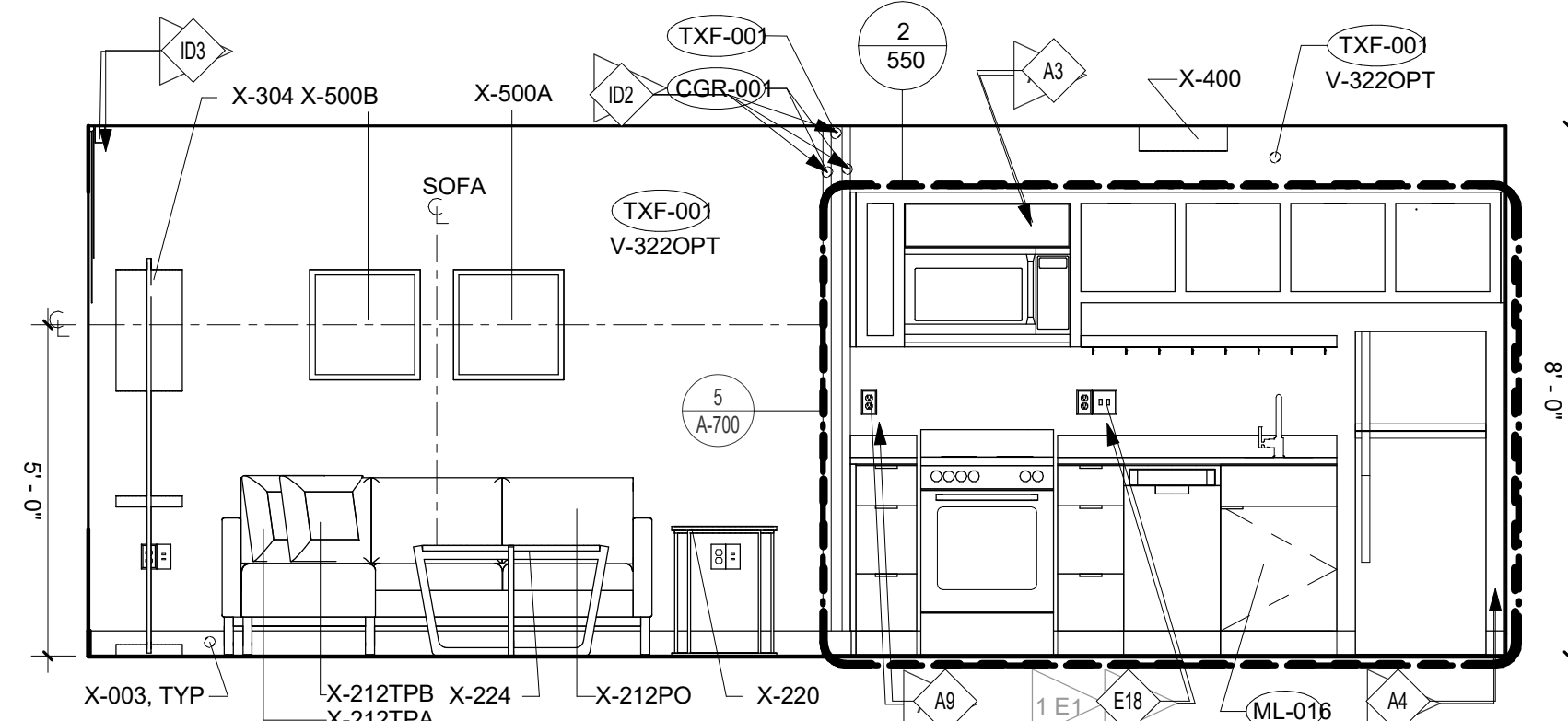
4 ONE BED QUEEN-ELEV4
3/8" = 1'-0"



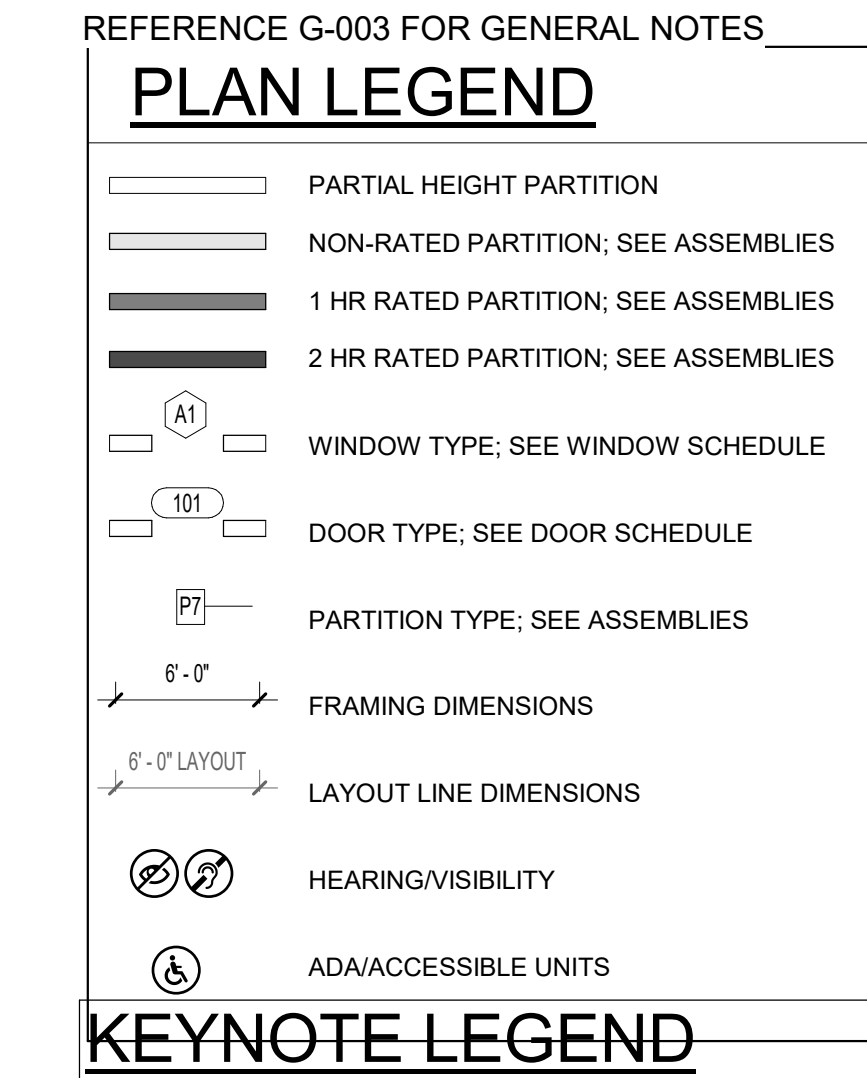
3 ONE BED QUEEN-ELEV3
3/8" = 1'-0"



2 ONE BED QUEEN-ELEV2
3/8" = 1'-0"



1 ONE BED QUEEN-ELEV1
3/8" = 1'-0"



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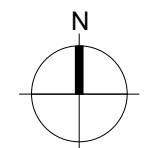
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
ENLARGED 1ST FLOOR PLAN -
COMMON AREAS

PROJECT NUMBER: 23098

SHEET NUMBER:

A-410



KEYPLAN

1ST FLOOR PLAN - ZONE A - AMENITIES PLAN

$1/8'' = 1'-0''$

1

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REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-410 FOR PLAN LEGEND

KEYNOTE LEGEND

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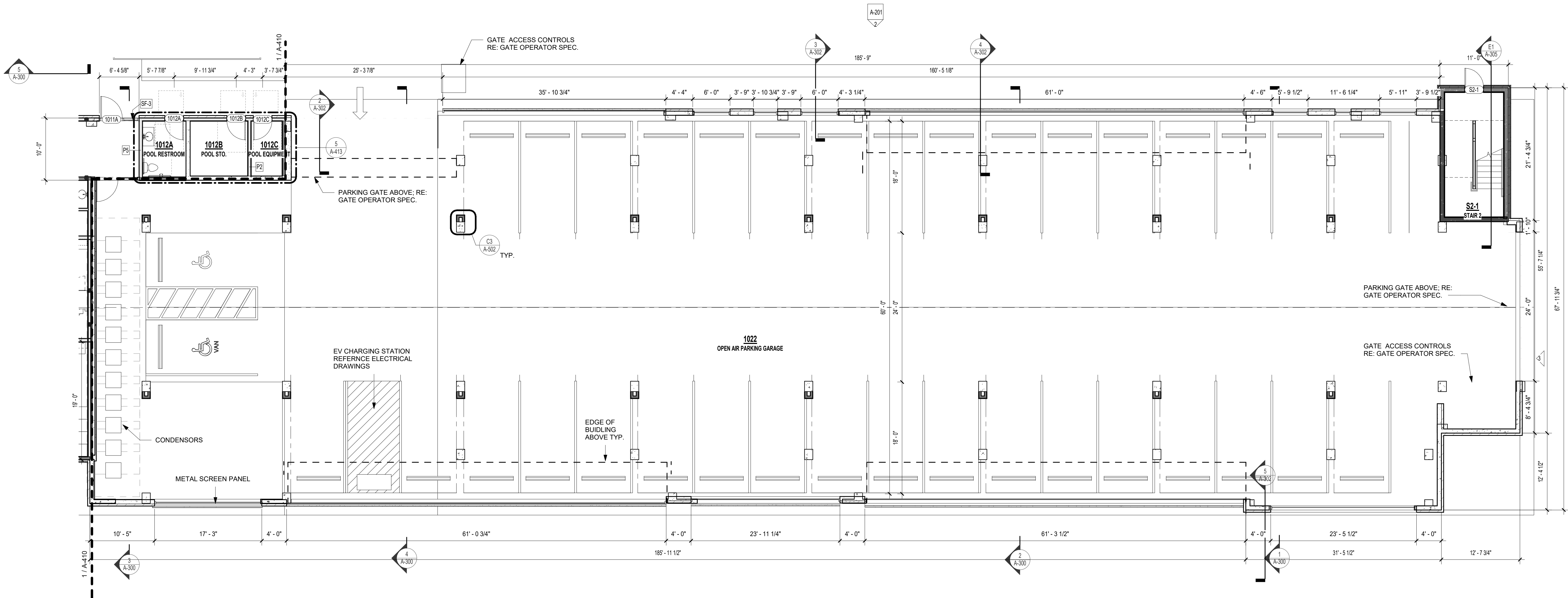
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SHEET TITLE
ENLARGED 1ST FLOOR PLAN -
GARAGE PLAN

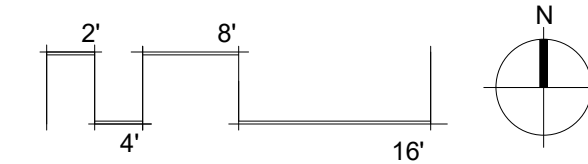
PROJECT NUMBER: 23098

SHEET NUMBER:

A-411



1 1ST FLOOR PLAN - ZONE B - GARAGE PLAN
1/8" = 1'-0"



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KEYNOTE LEGEND

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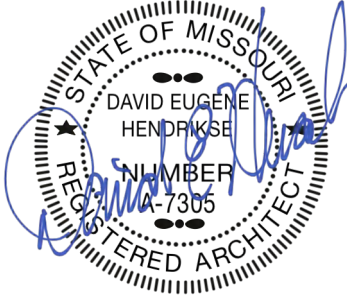
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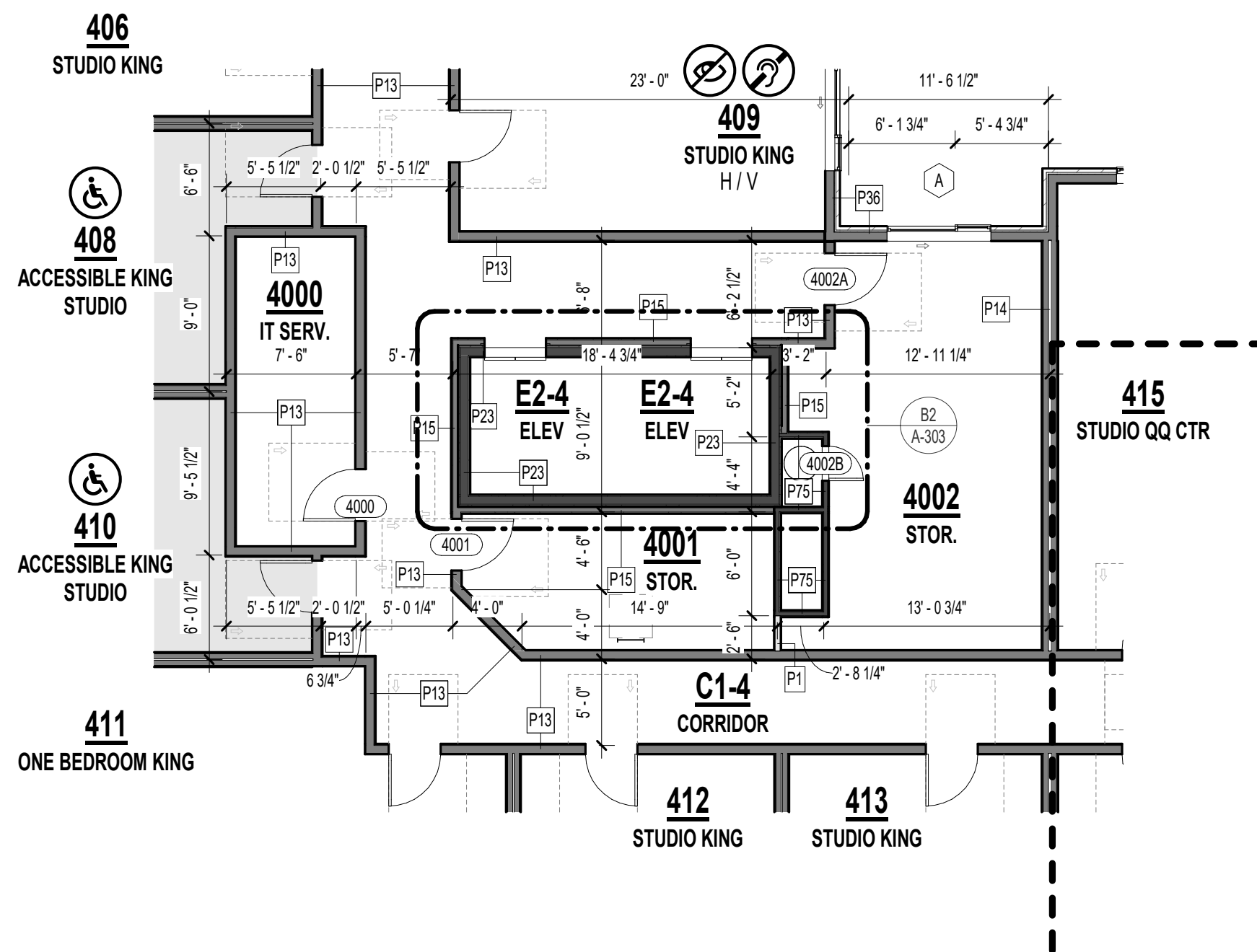
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PROJECT NUMBER: 23098

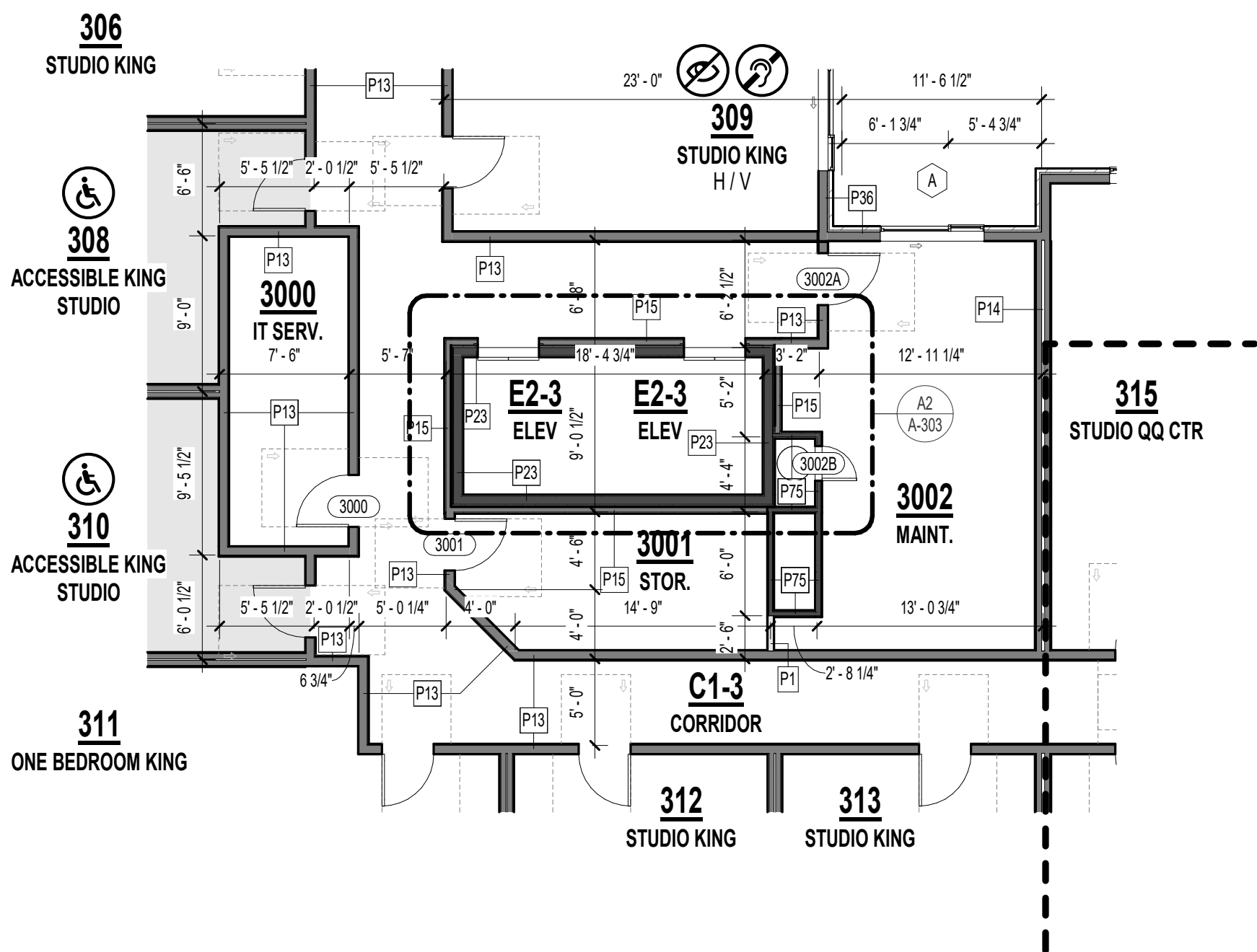
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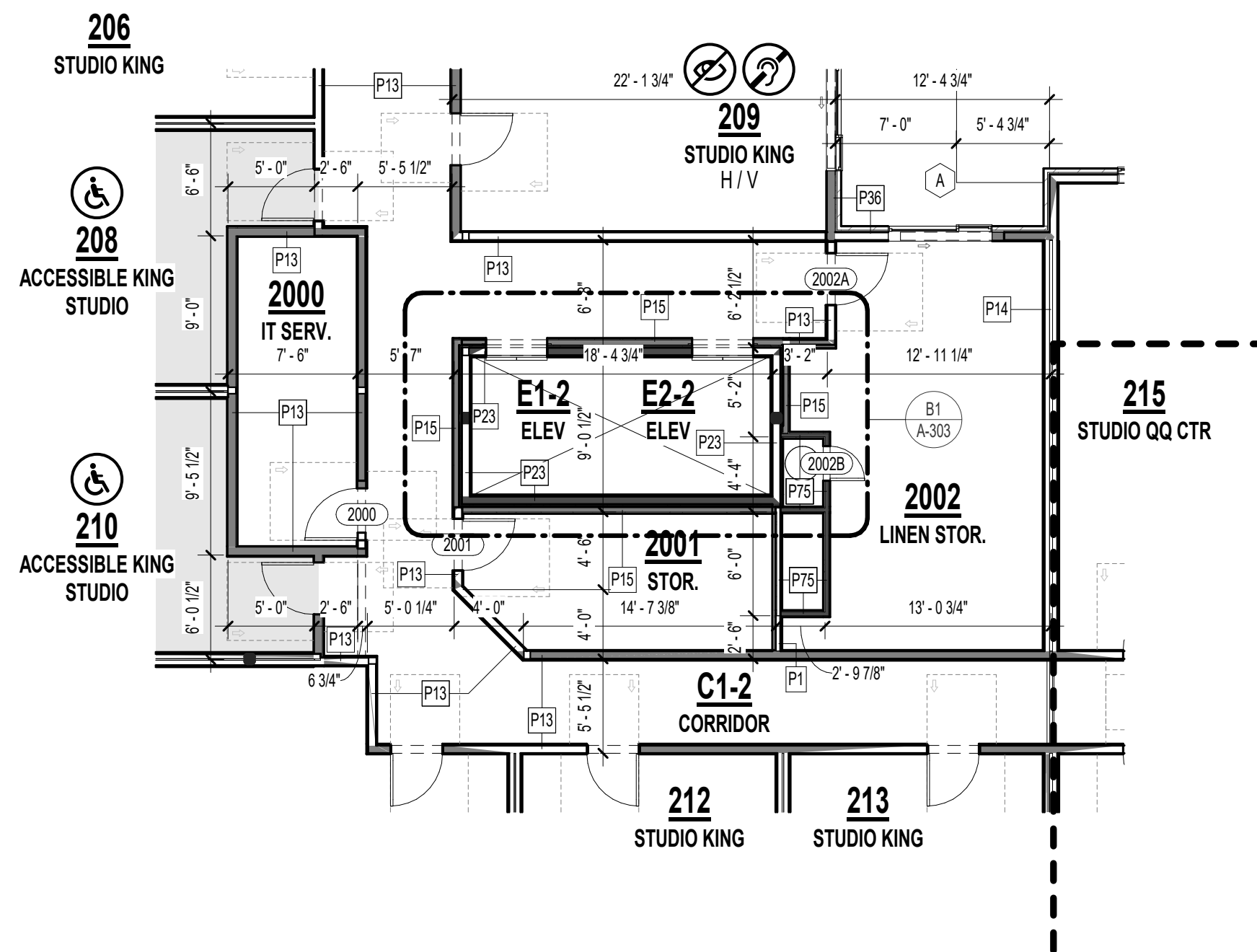
3 4TH FLOOR PLAN - COMMON SPACES

1/8" = 1'-0"



2 3RD FLOOR PLAN - COMMON SPACES

1/8" = 1'-0"



1 2ND FLOOR PLAN - COMMON SPACES

1/8" = 1'-0"



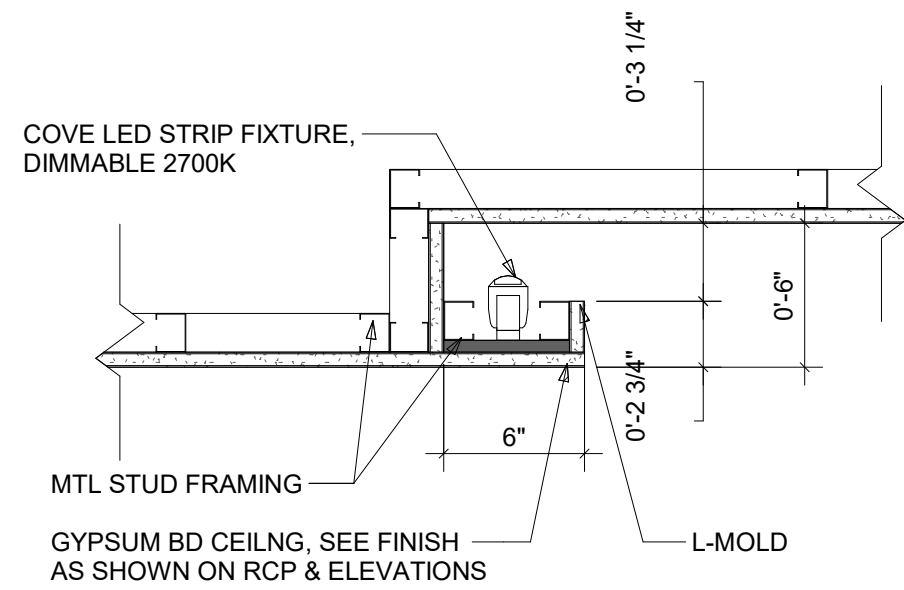


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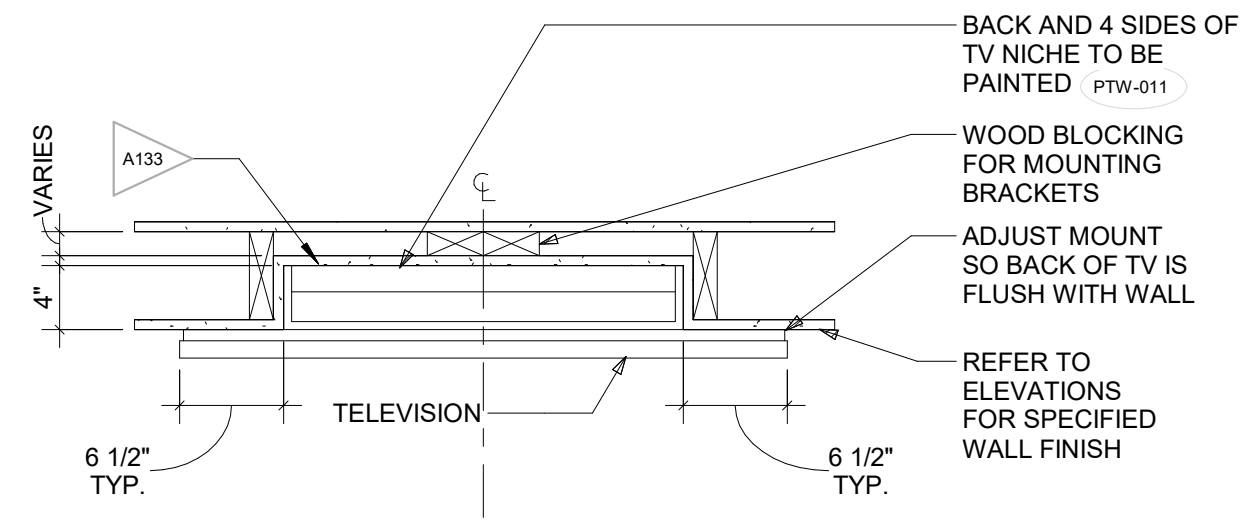
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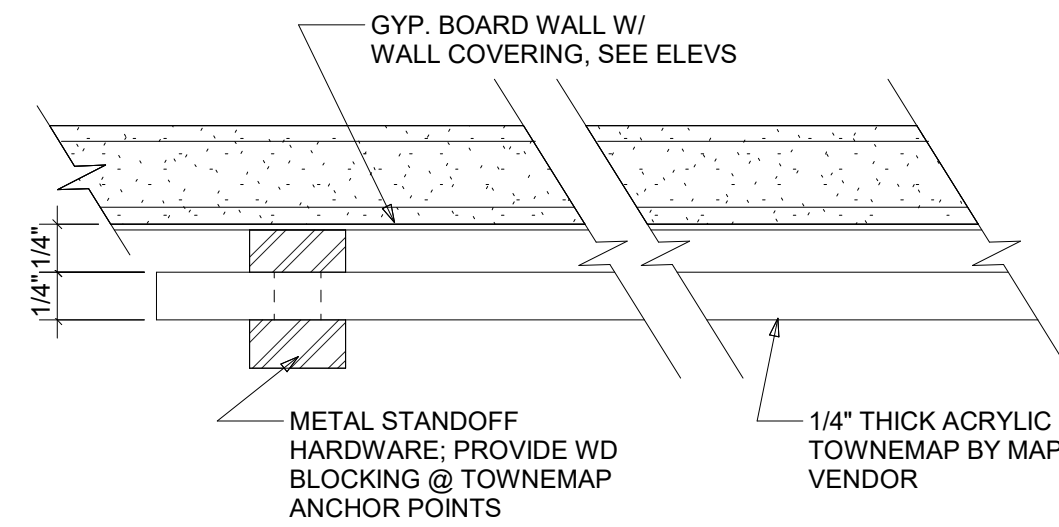
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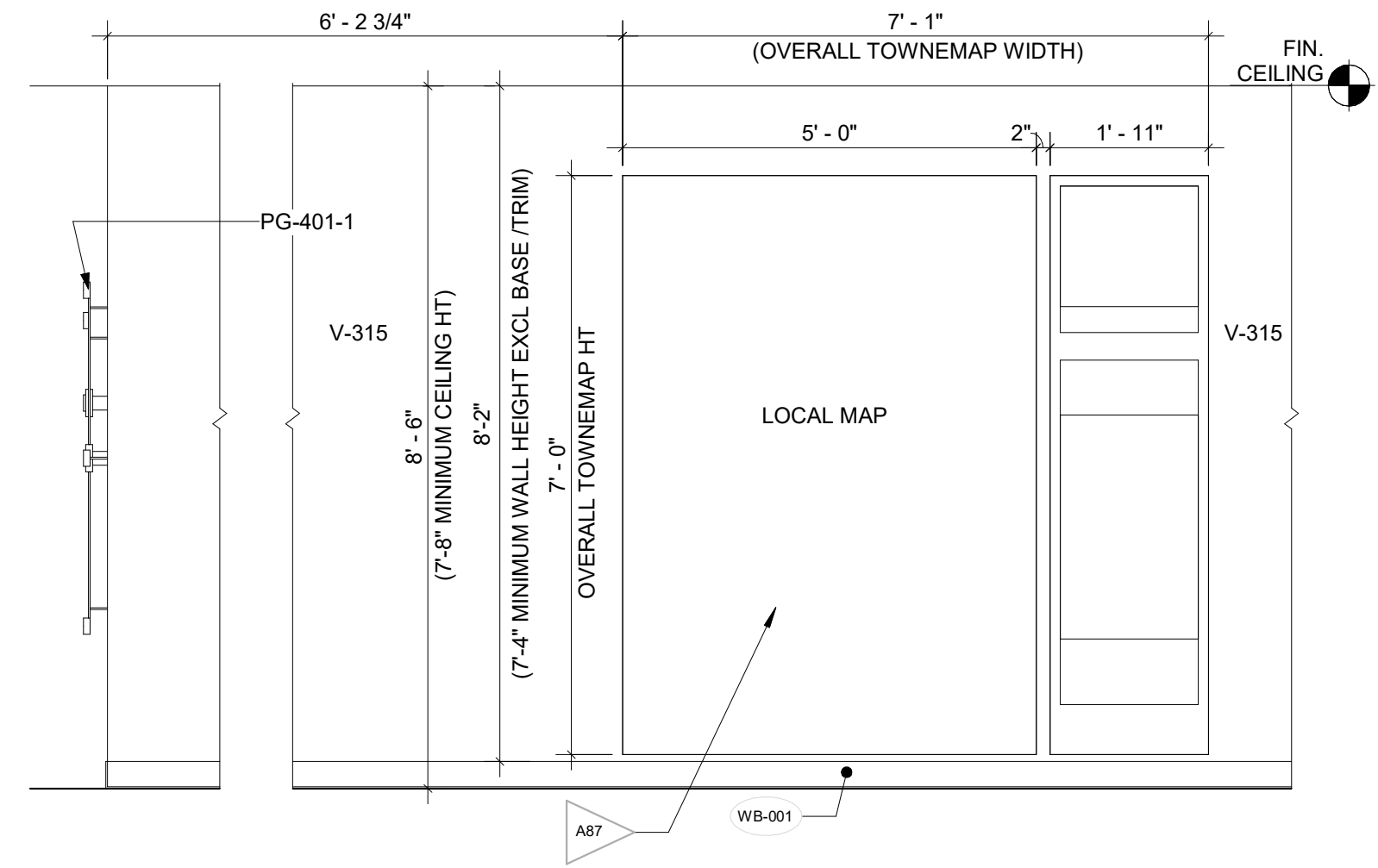
12 LIGHT COVE DETAIL AT HUB
1 1/2" = 1'-0"



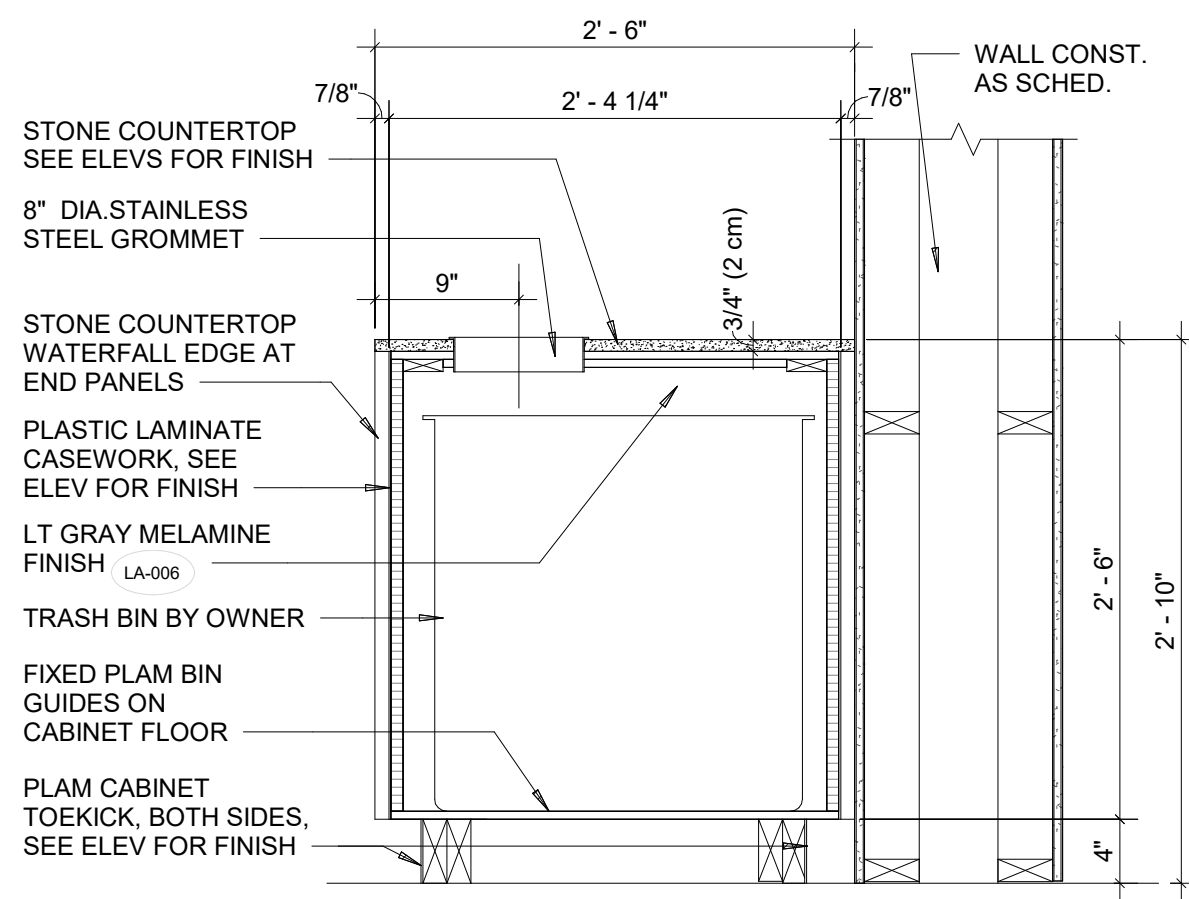
11 PUBLIC SPACE TELEVISION MOUNTING DETAIL
1" = 1'-0"



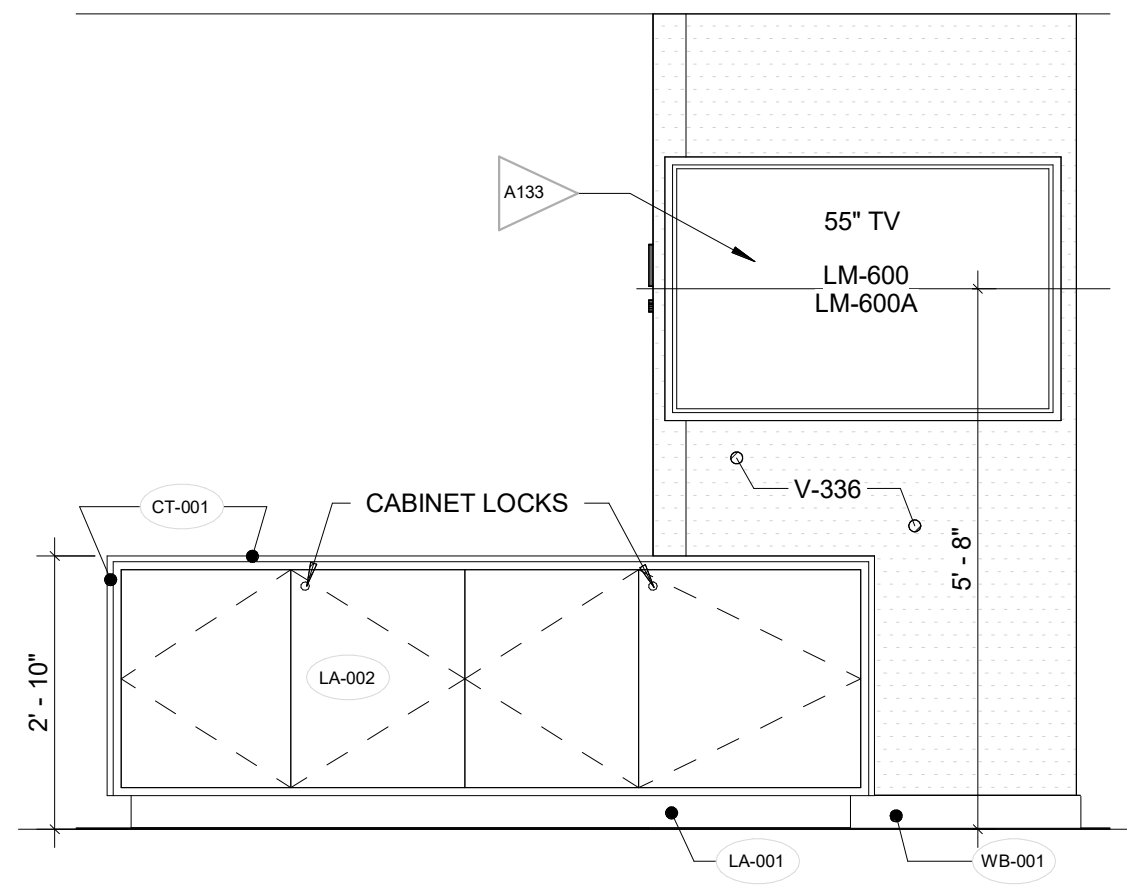
10 TOWNEMAP WALL ASSEMBLY
12" = 1'-0"



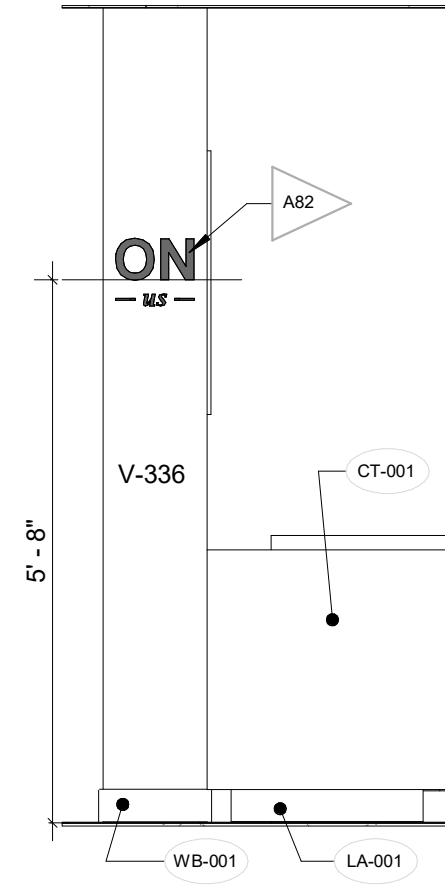
9 TOWNEMAP WALL ELEVATION
1/2" = 1'-0"



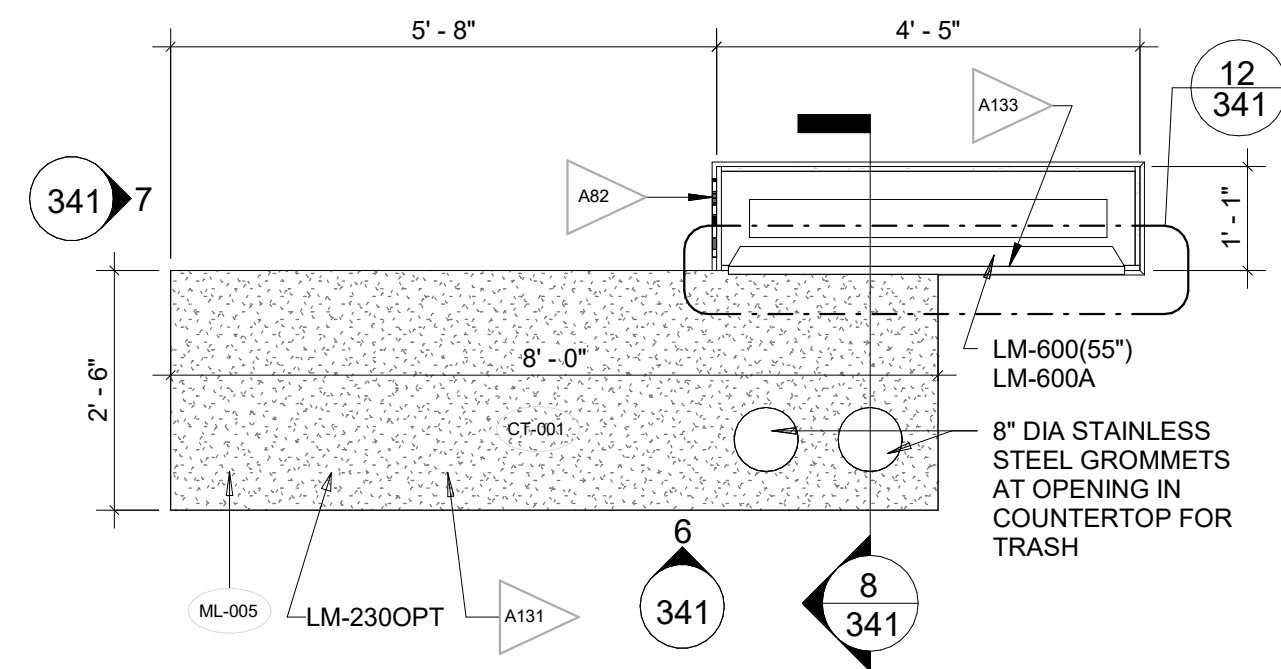
8 "ON US" SECTION
1" = 1'-0"



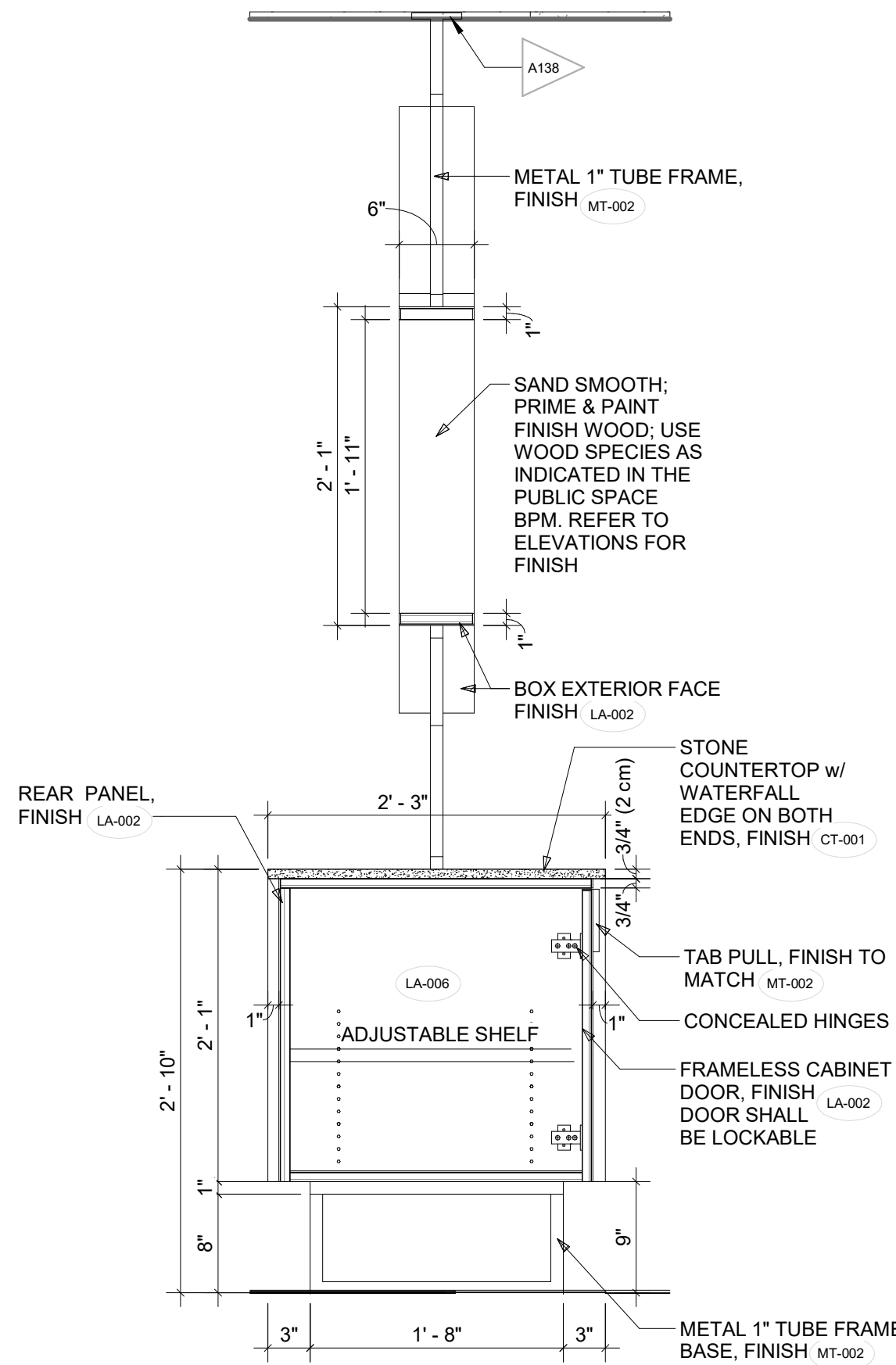
7 "ON US" ELEVATION 2
1/2" = 1'-0"



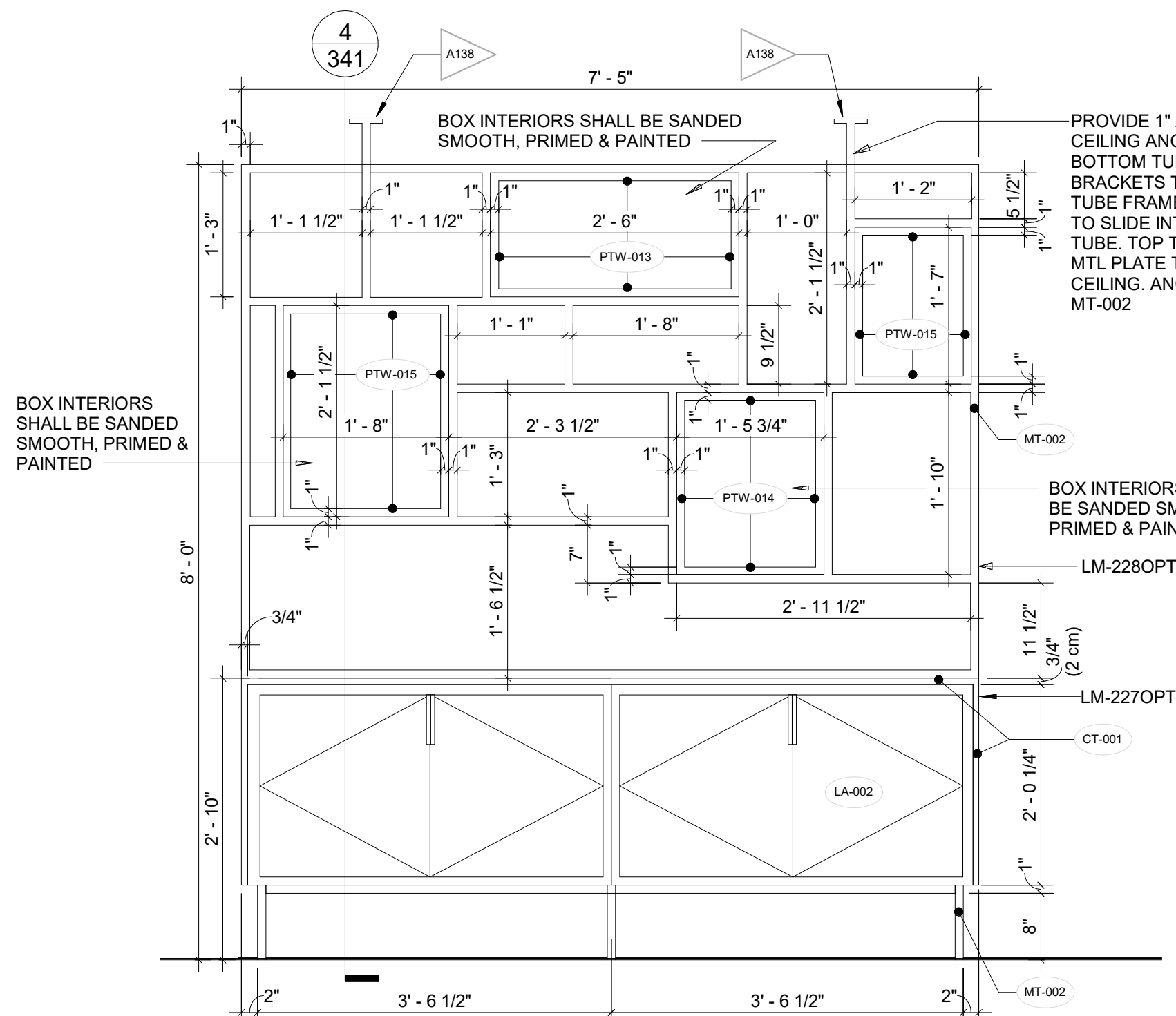
6 "ON US" ELEVATION 1
1/2" = 1'-0"



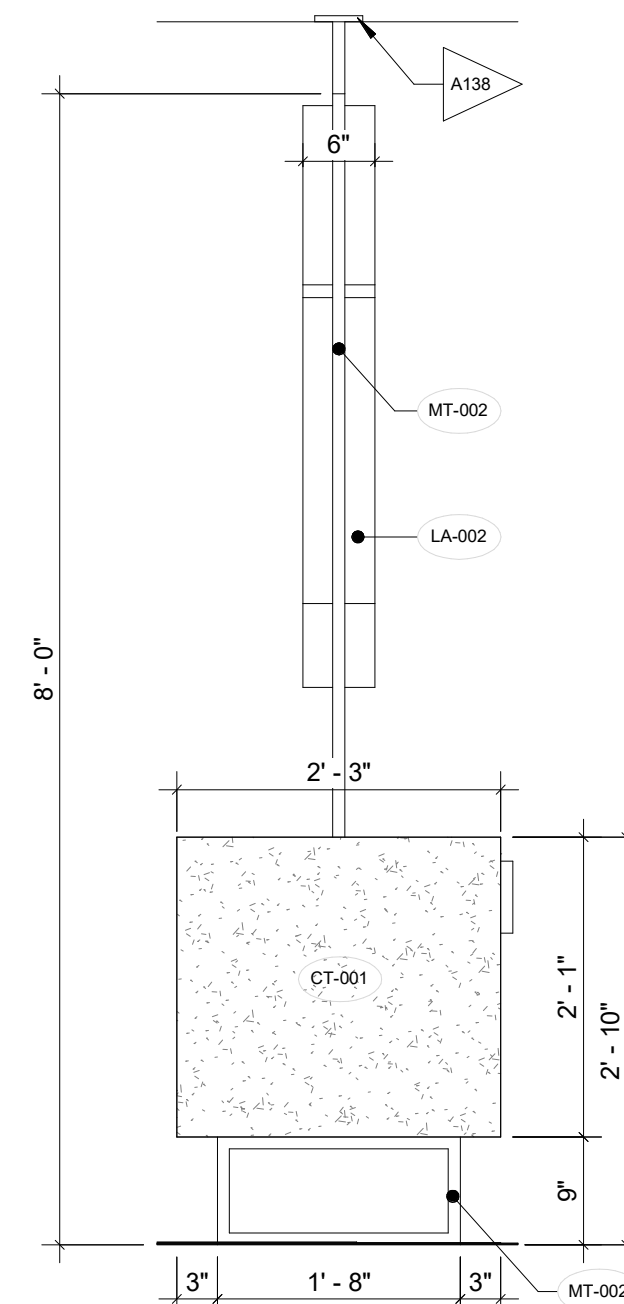
5 ENLARGED "ON US" PLAN
1/2" = 1'-0"



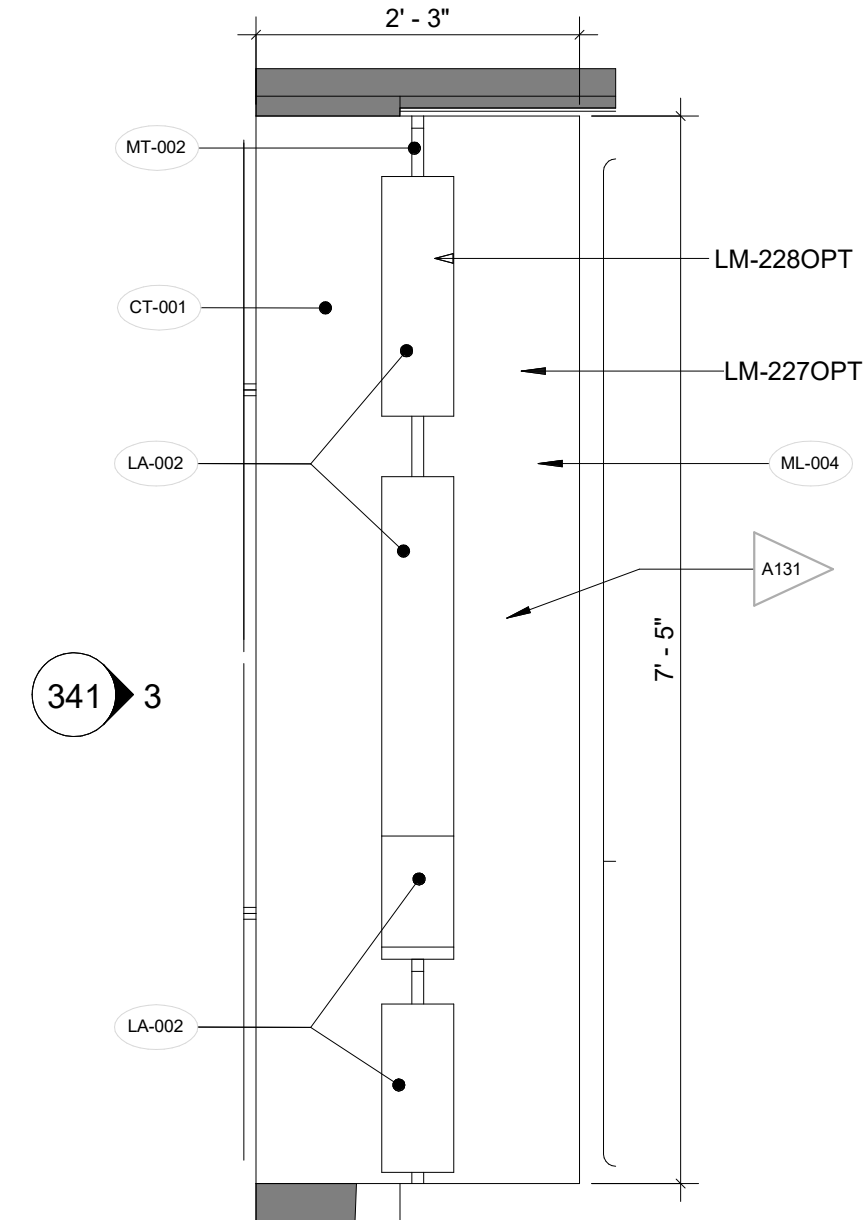
4 HUB CREDENZA SECTION DETAIL
1" = 1'-0"



1 HUB CREDENZA ELEVATION
3/4" = 1'-0"



3 HUB CREDENZA SIDE ELEVATION
3/4" = 1'-0"



2 HUB CREDENZA PLAN
3/4" = 1'-0"

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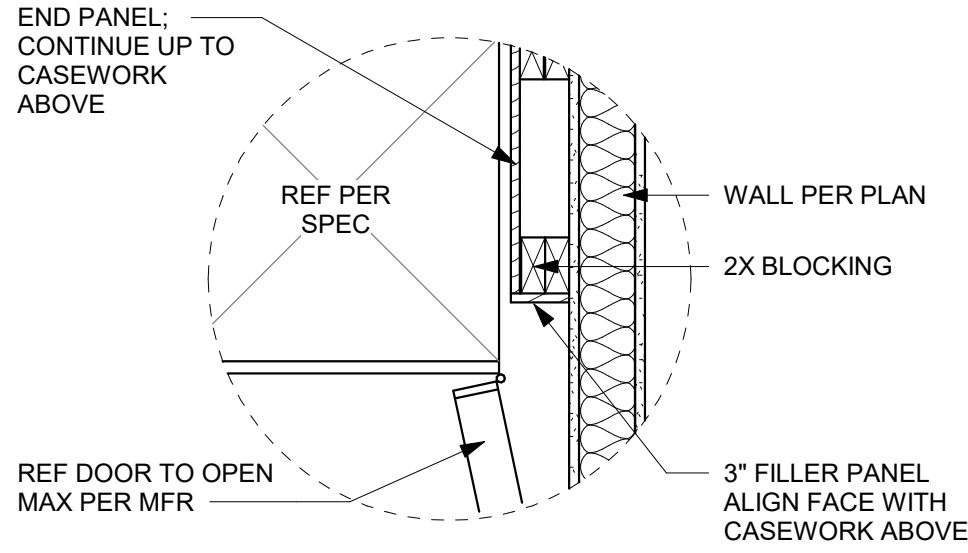
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SHEET TITLE
PUBLIC SPACE DETAILS

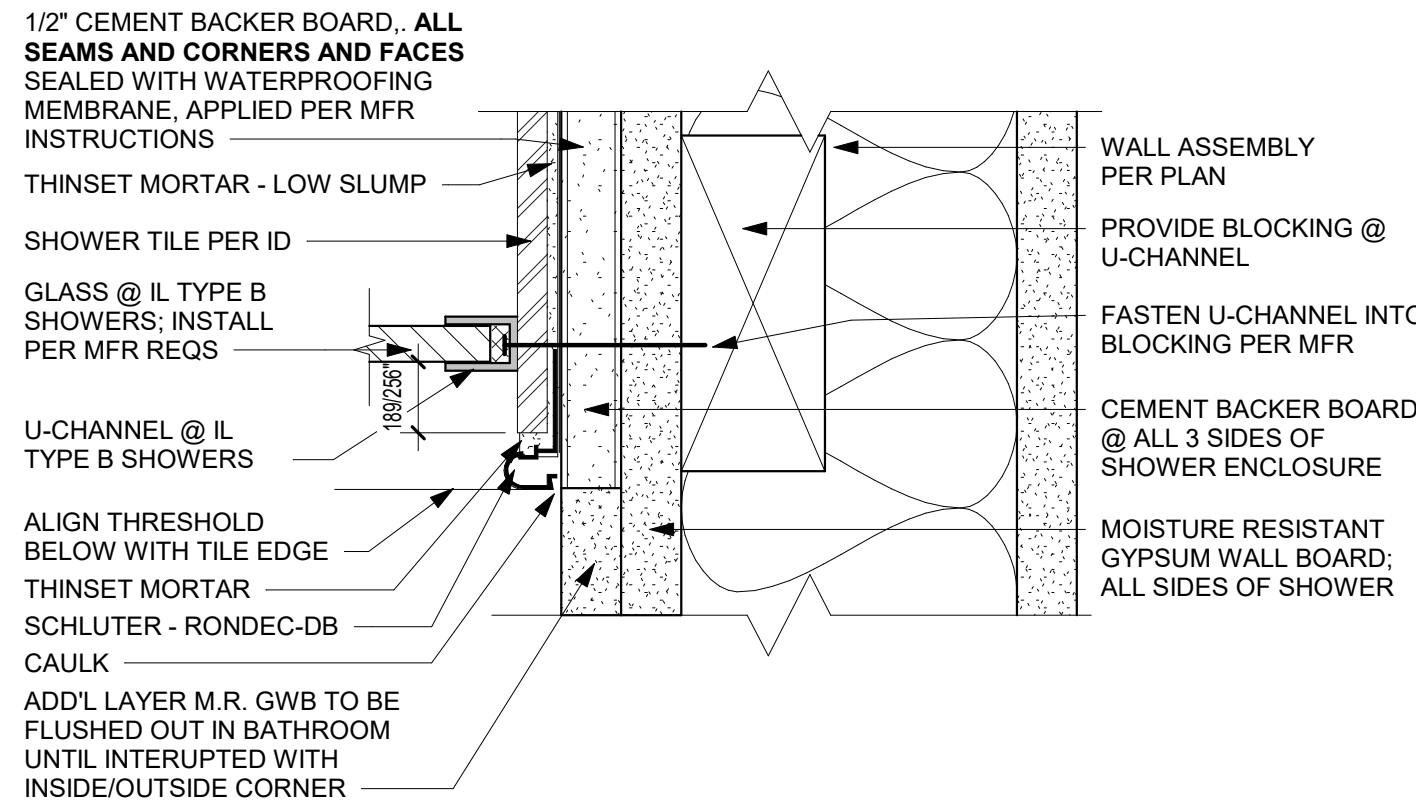
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SHEET NUMBER:

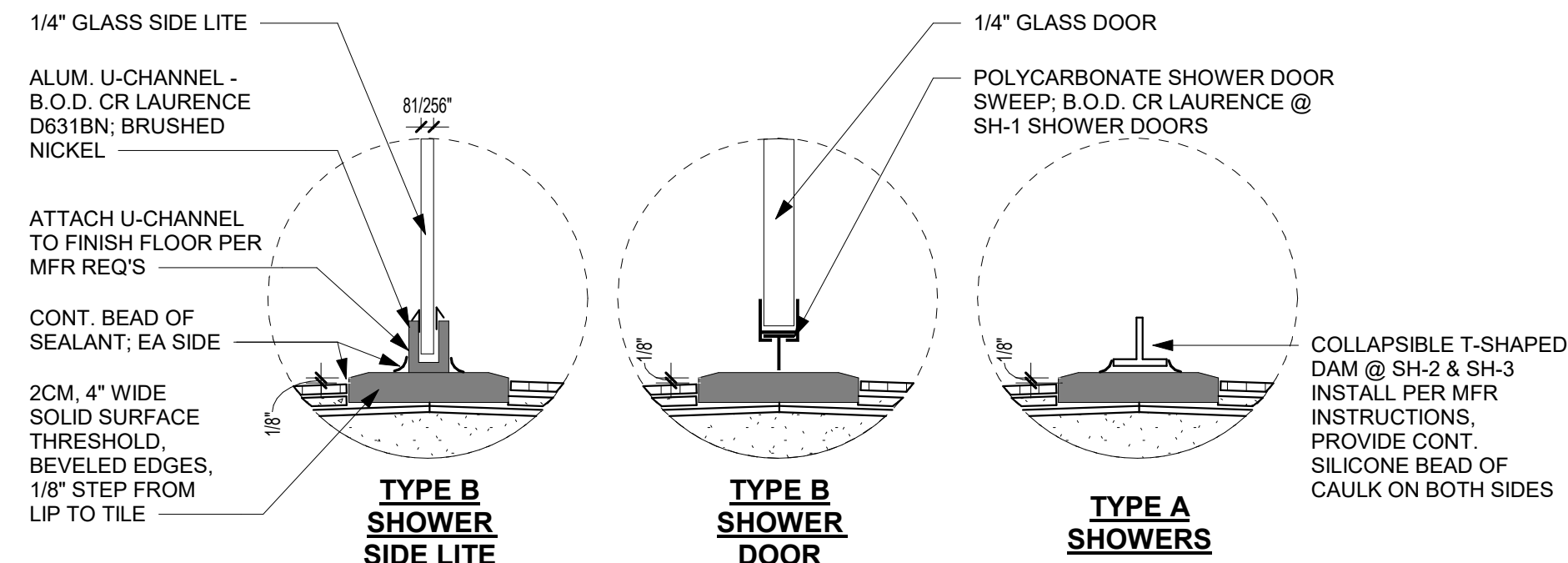
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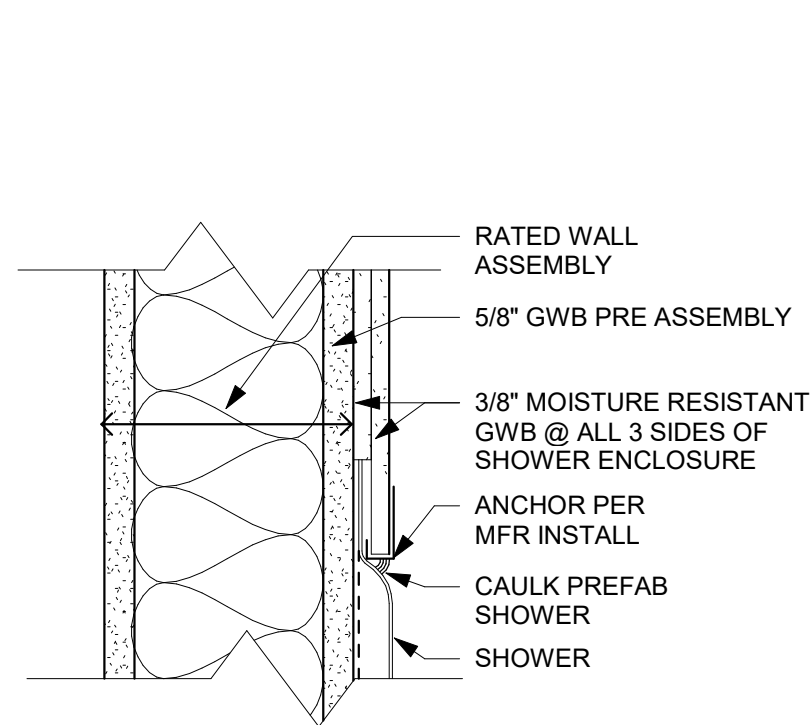
D4 UNIT DETAIL - REF FILLER
1" = 1'-0"



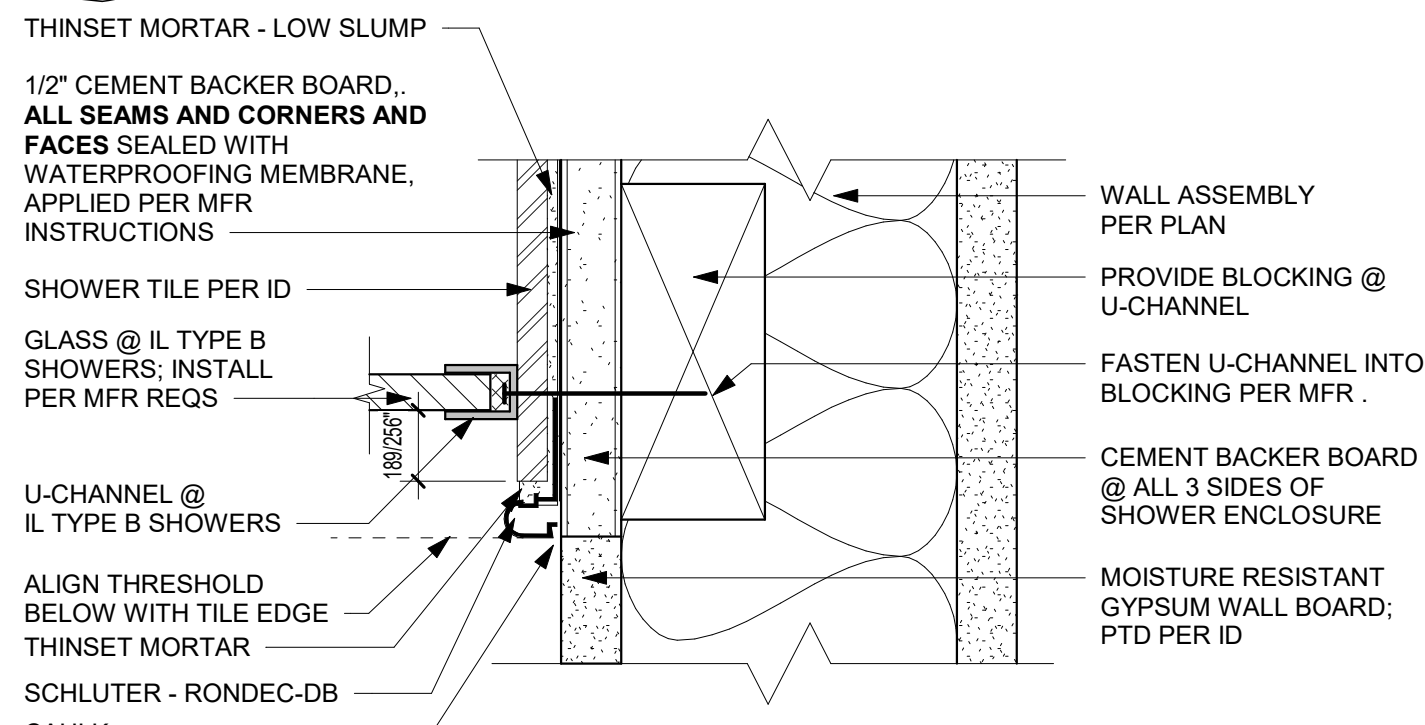
B4 UNIT DETAIL - TYPE B SHOWER - JAMB DETAIL (RATED WALL)
6" = 1'-0"



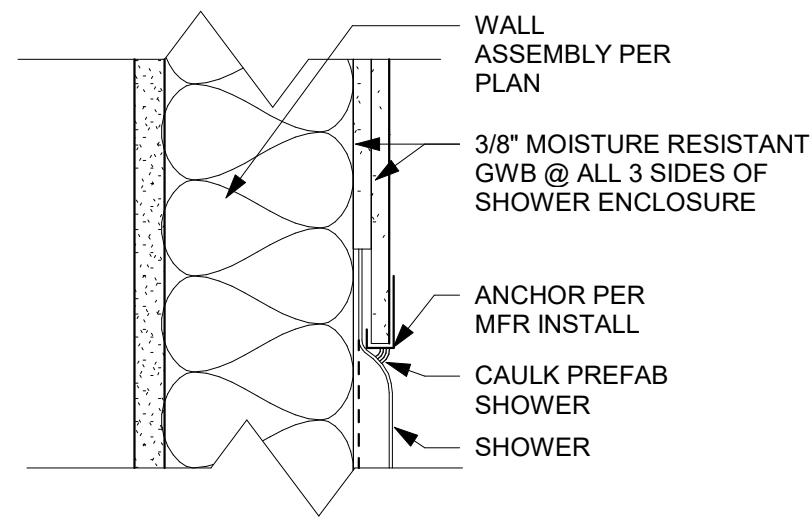
A4 UNIT DETAIL - SHOWER THRESHOLDS
3" = 1'-0"



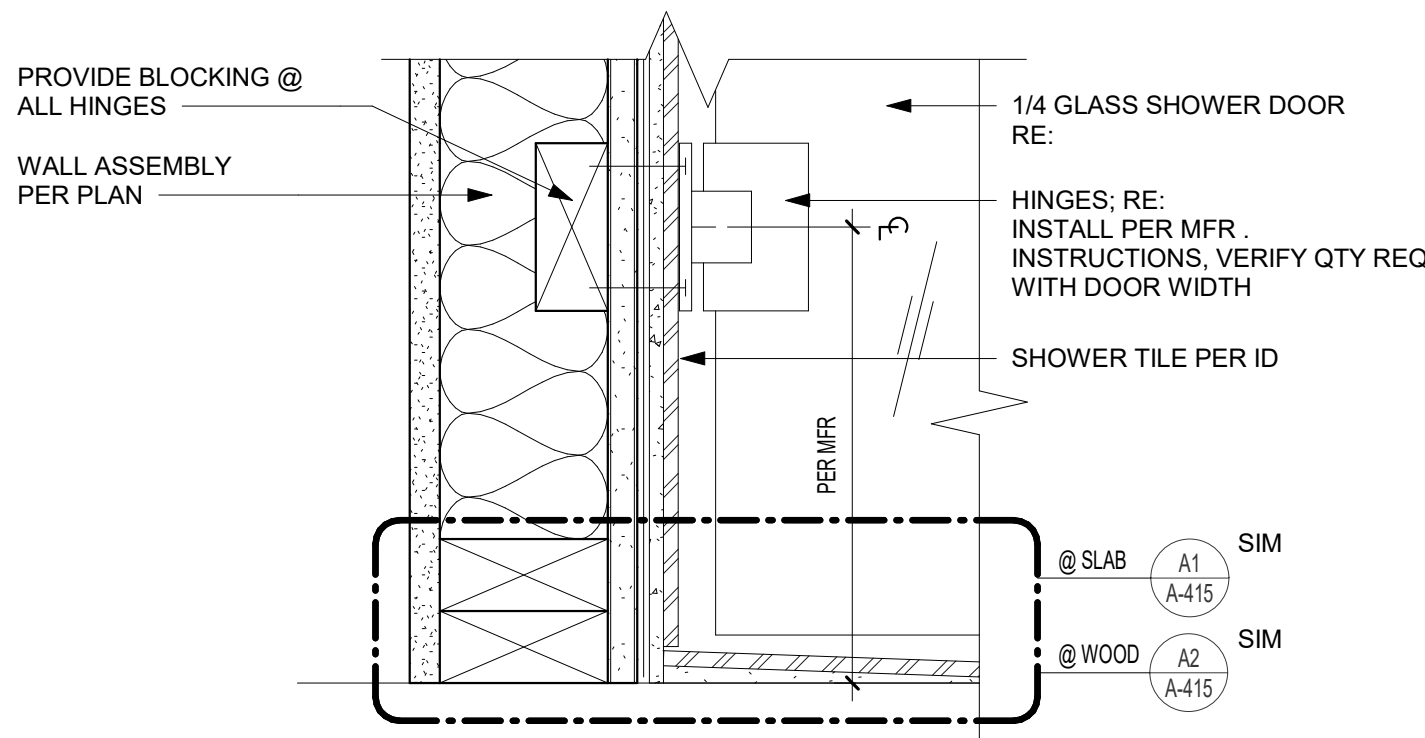
C3 UNIT DETAIL - SHOWER @ RATED WALL @ HEAD/JAMB
3" = 1'-0"



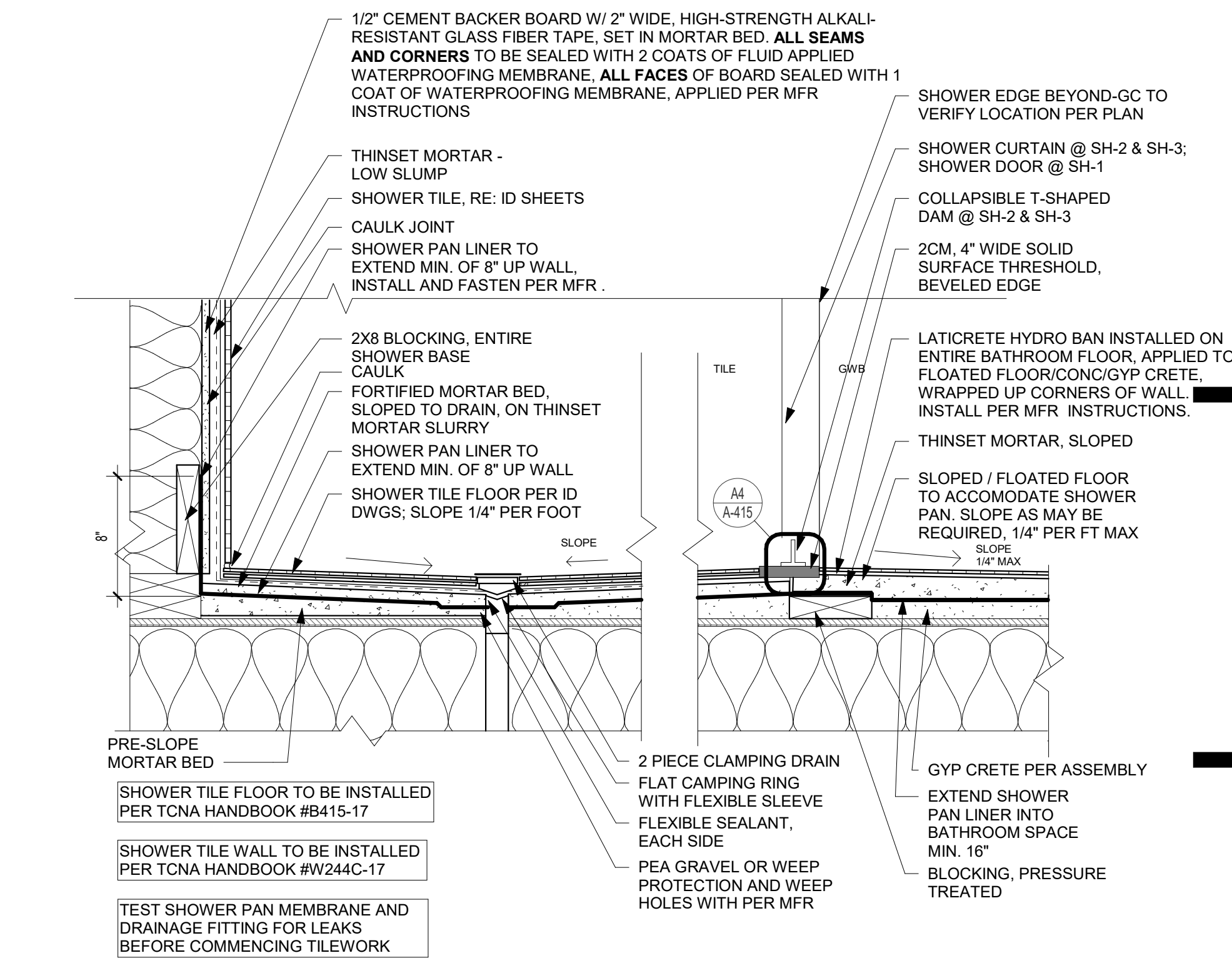
B3 UNIT DETAIL - TYPE B SHOWER - JAMB DETAIL (NON RATED WALL)
6" = 1'-0"



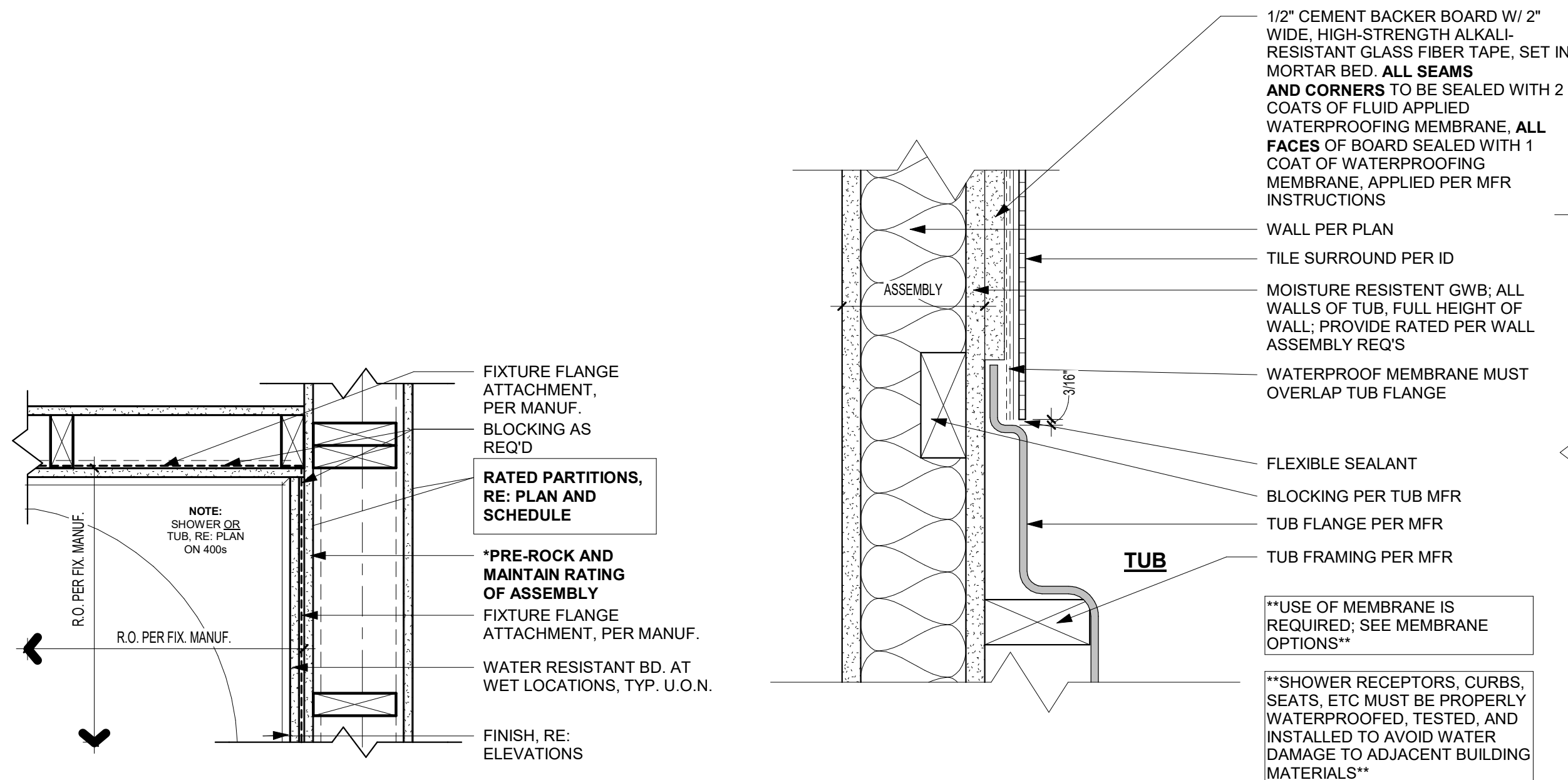
C2 UNIT DETAIL - SHOWER @ NON RATED WALL @ HEAD/JAMB
3" = 1'-0"



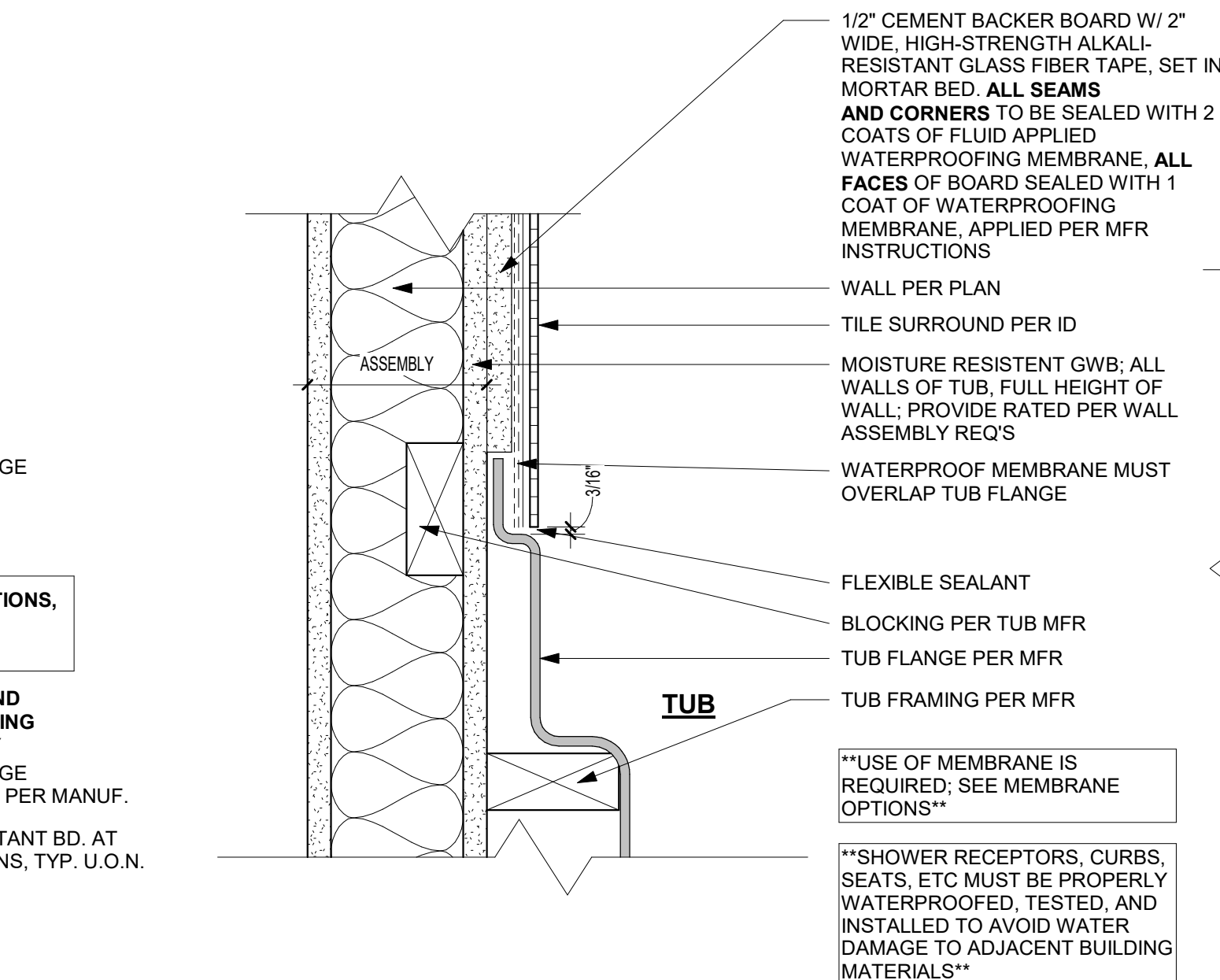
B2 UNIT DETAIL - TYPE B SHOWER DOOR HINGE
3" = 1'-0"



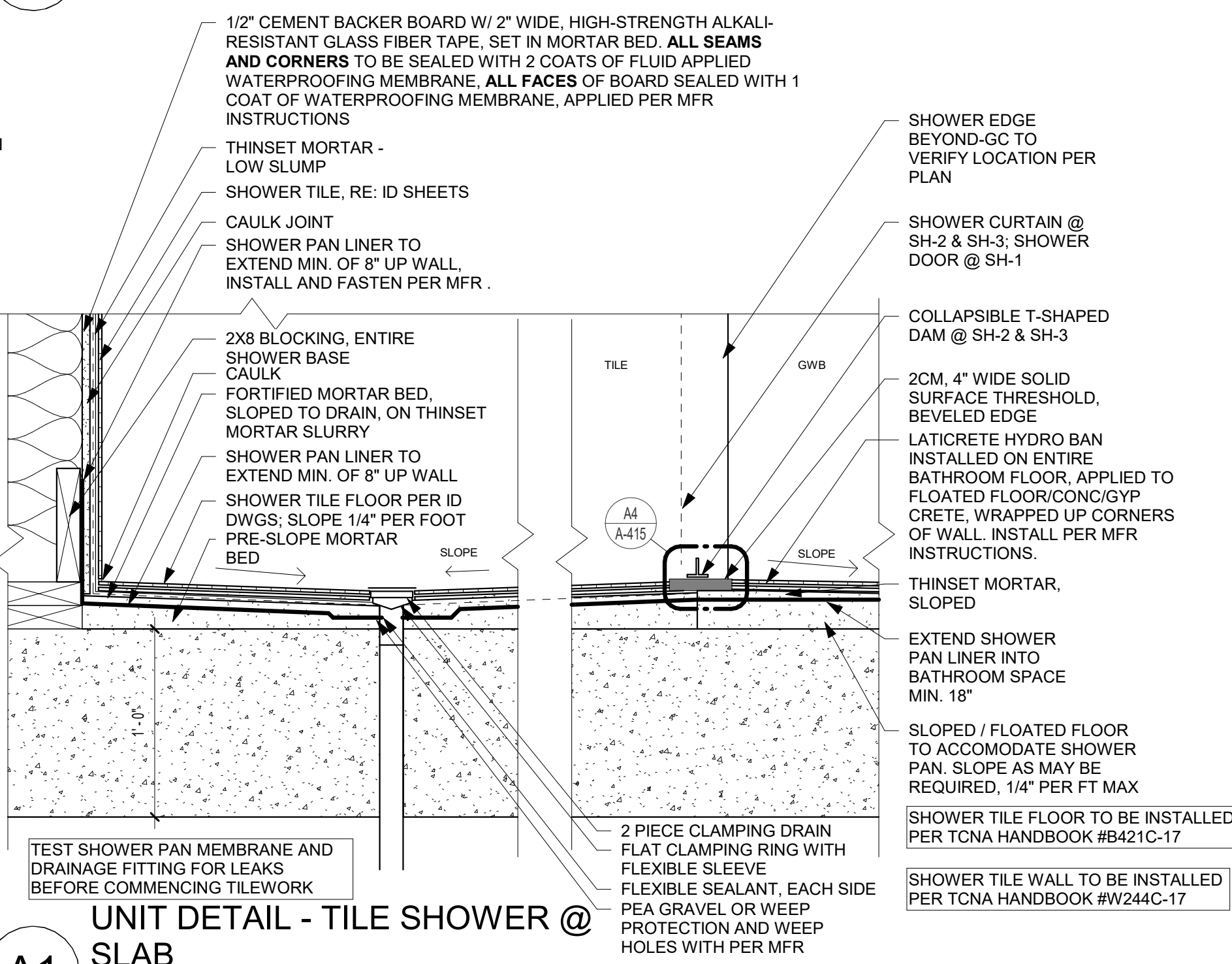
A4 UNIT DETAIL - TILE SHOWER @ WOOD ASSEMBLY
1 1/2" = 1'-0"



C1 FRAMING - RATED WALL TUB/ SHOWER
1 1/2" = 1'-0"



B1 UNIT DETAIL - TUB SURROUND DETAIL
3" = 1'-0"



A1 UNIT DETAIL - TILE SHOWER @ SLAB
1 1/2" = 1'-0"

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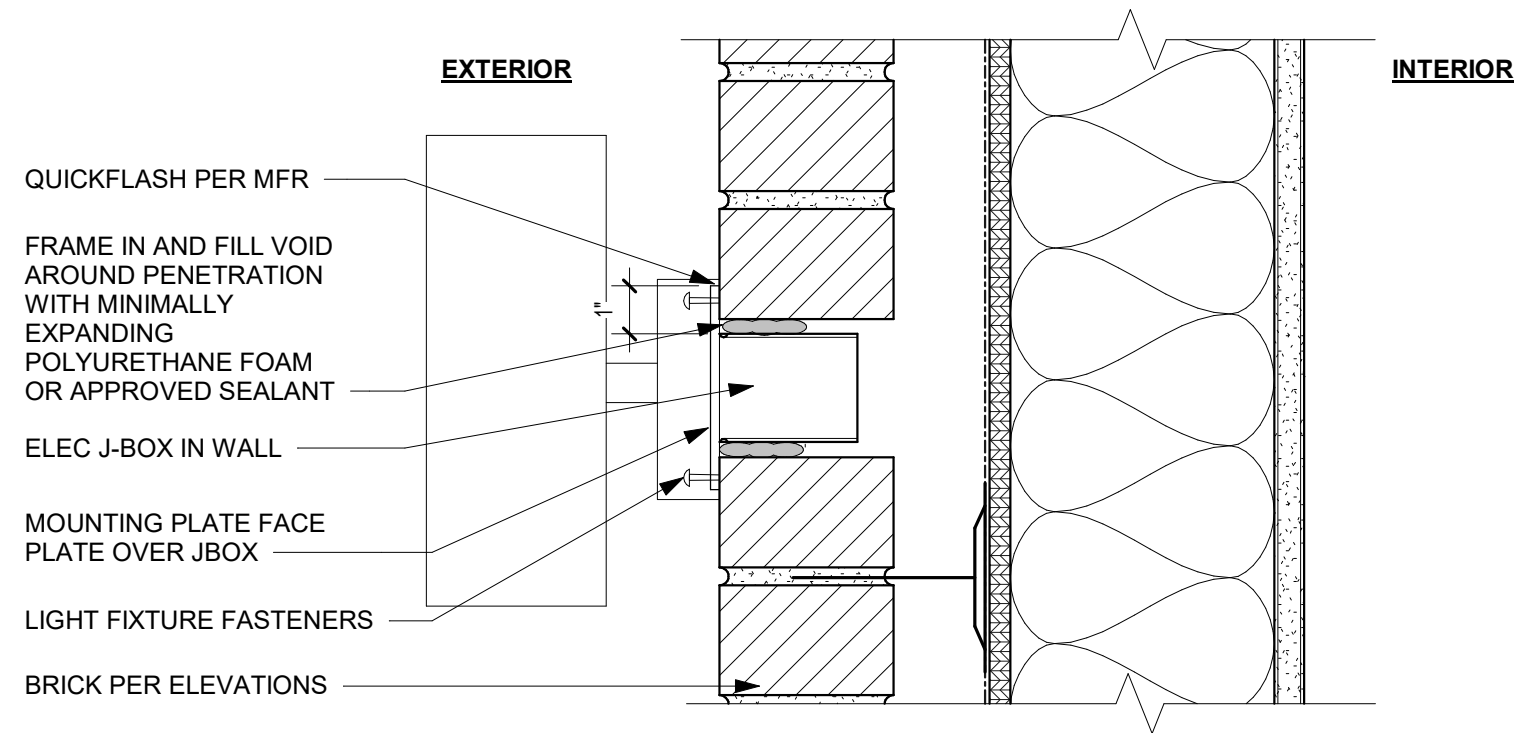
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SHEET TITLE
UNIT DETAILS

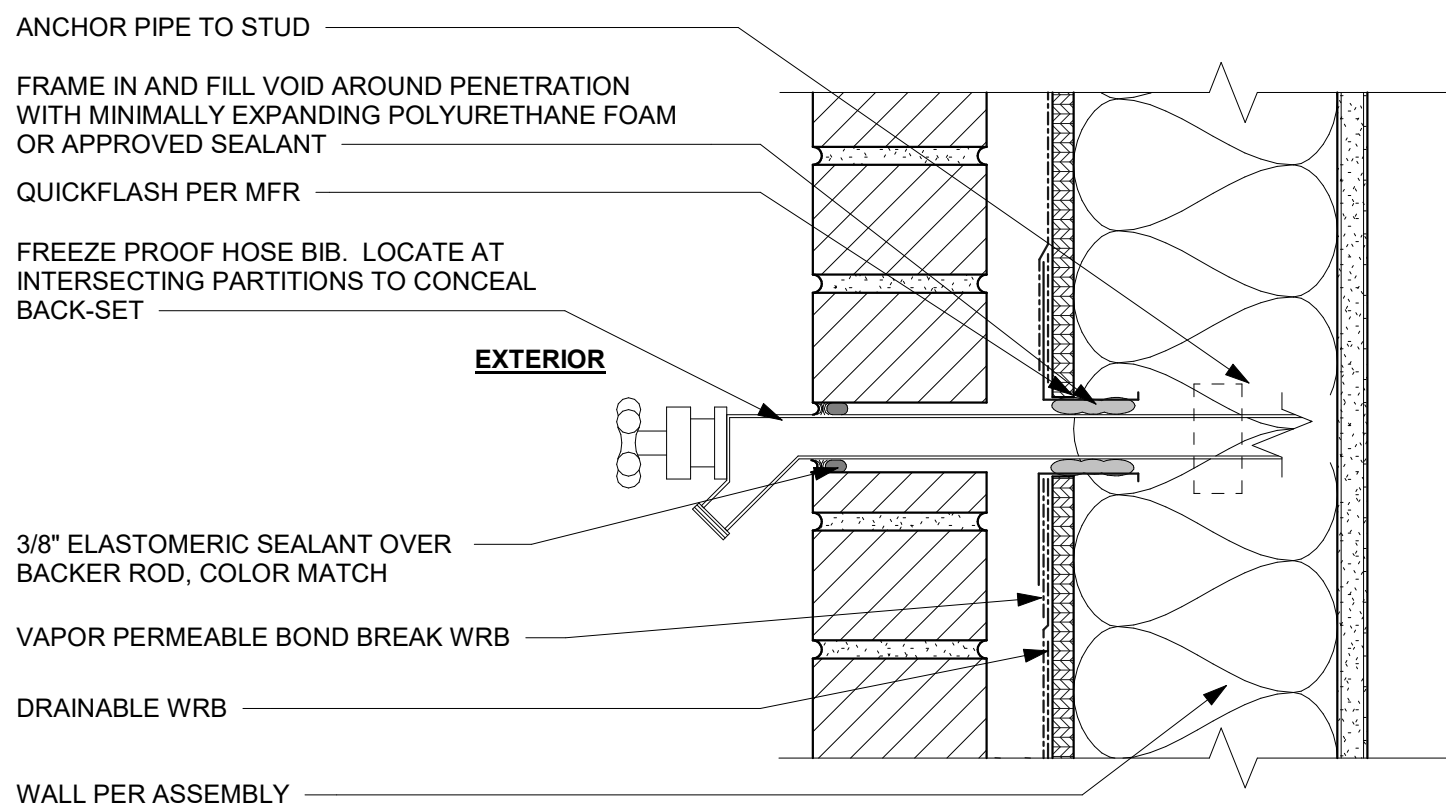
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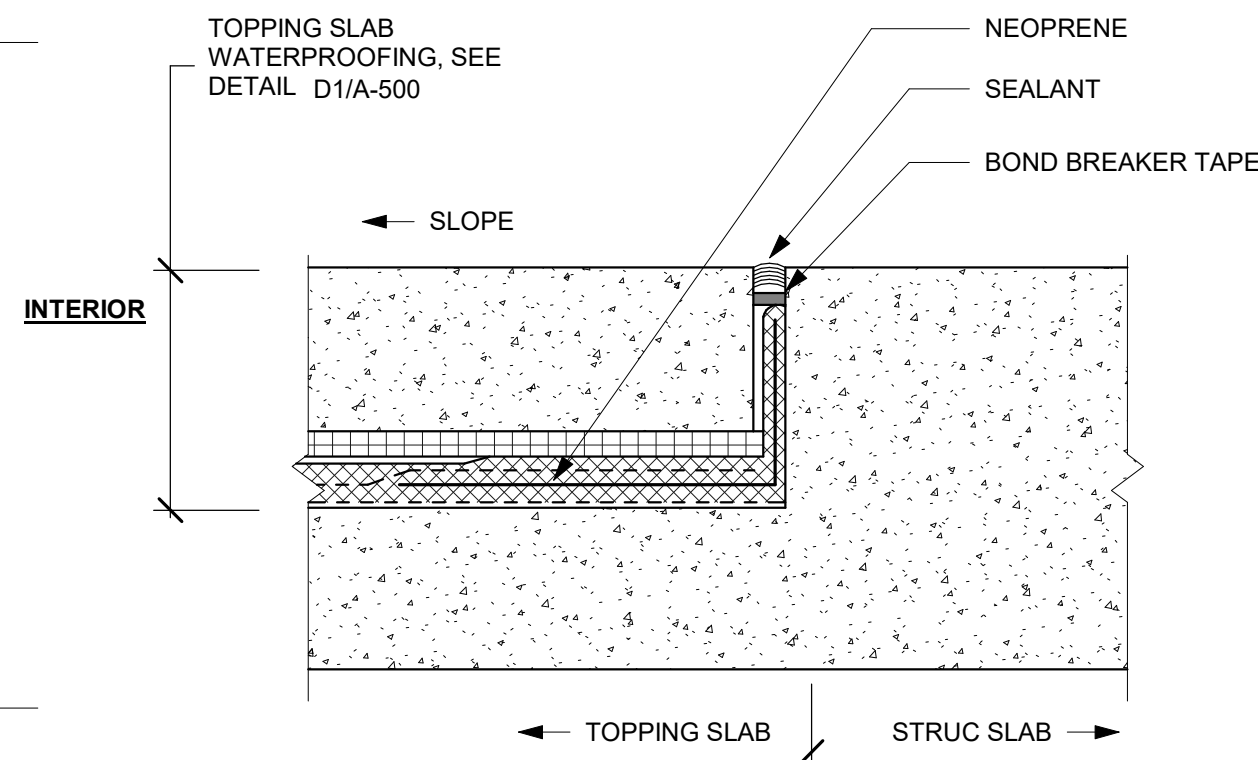
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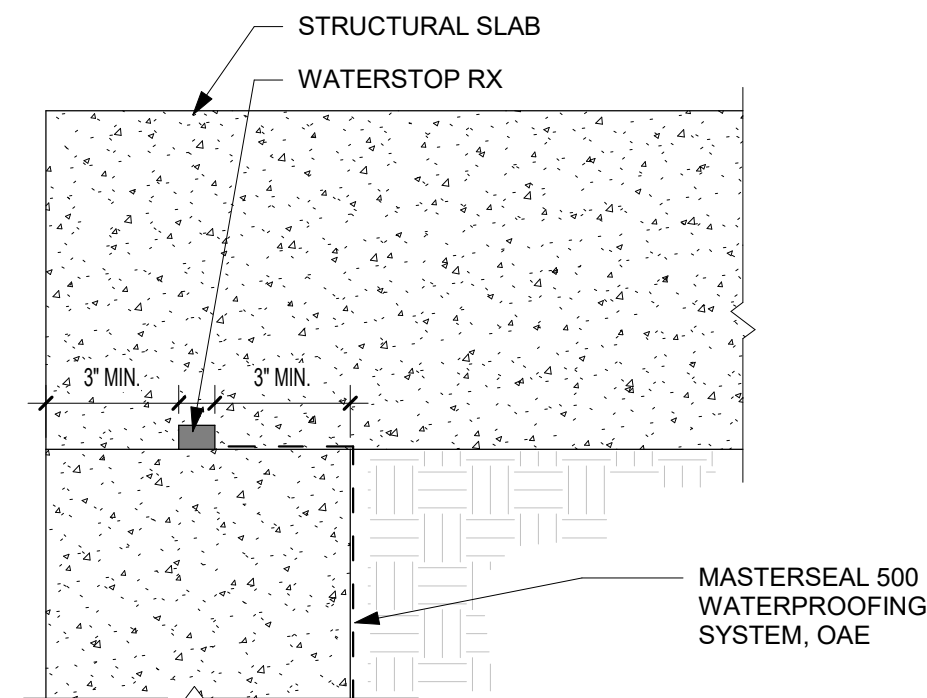
E4 **FIXTURE PENETRATION**
3" = 1'-0"



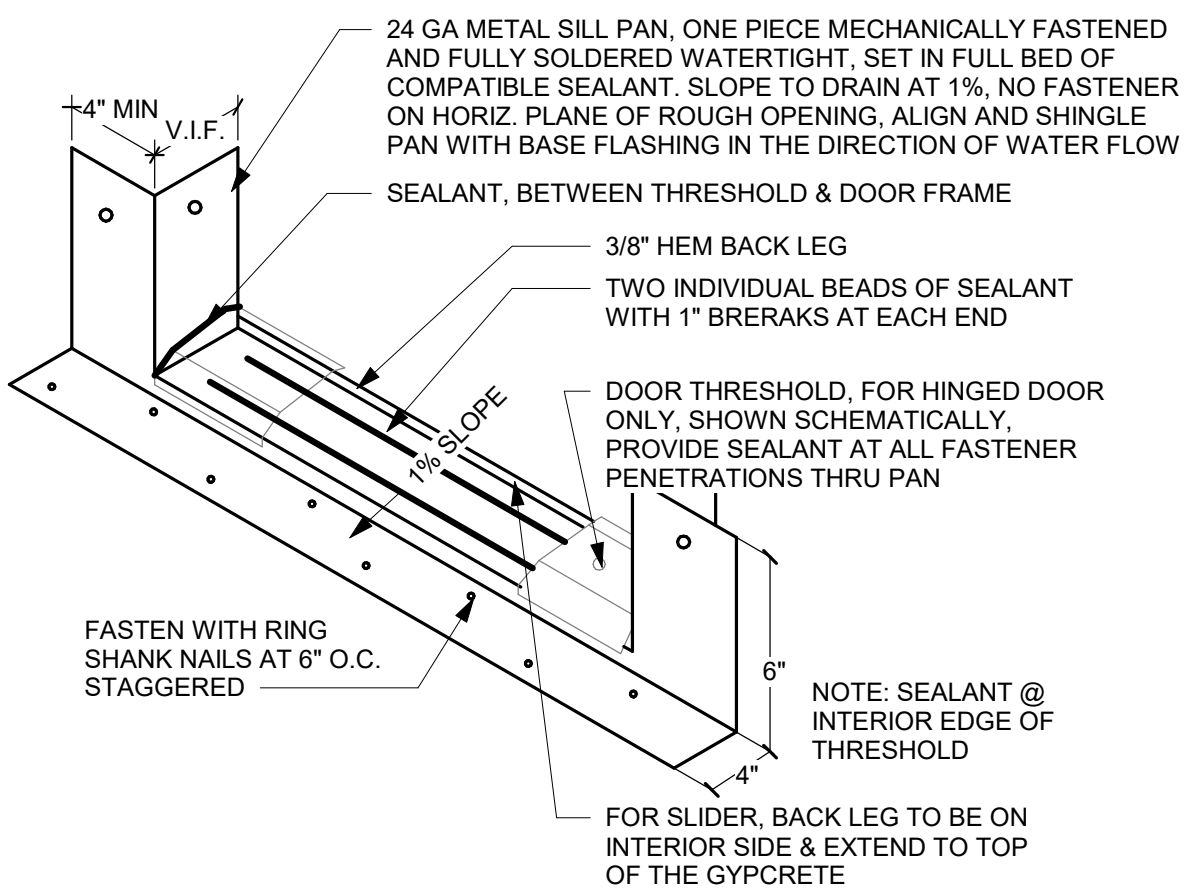
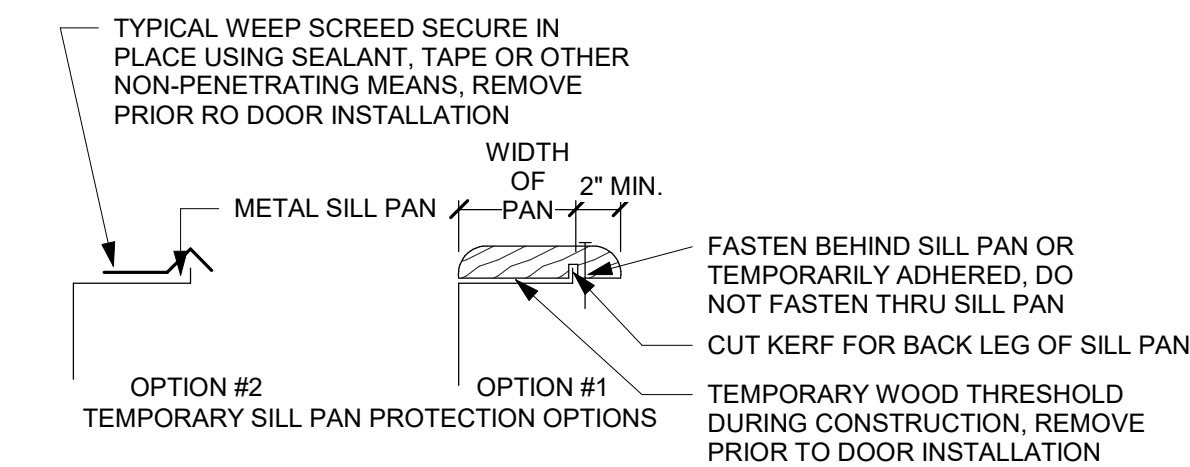
C4 **HOSEBIB PENETRATION**
3" = 1'-0"



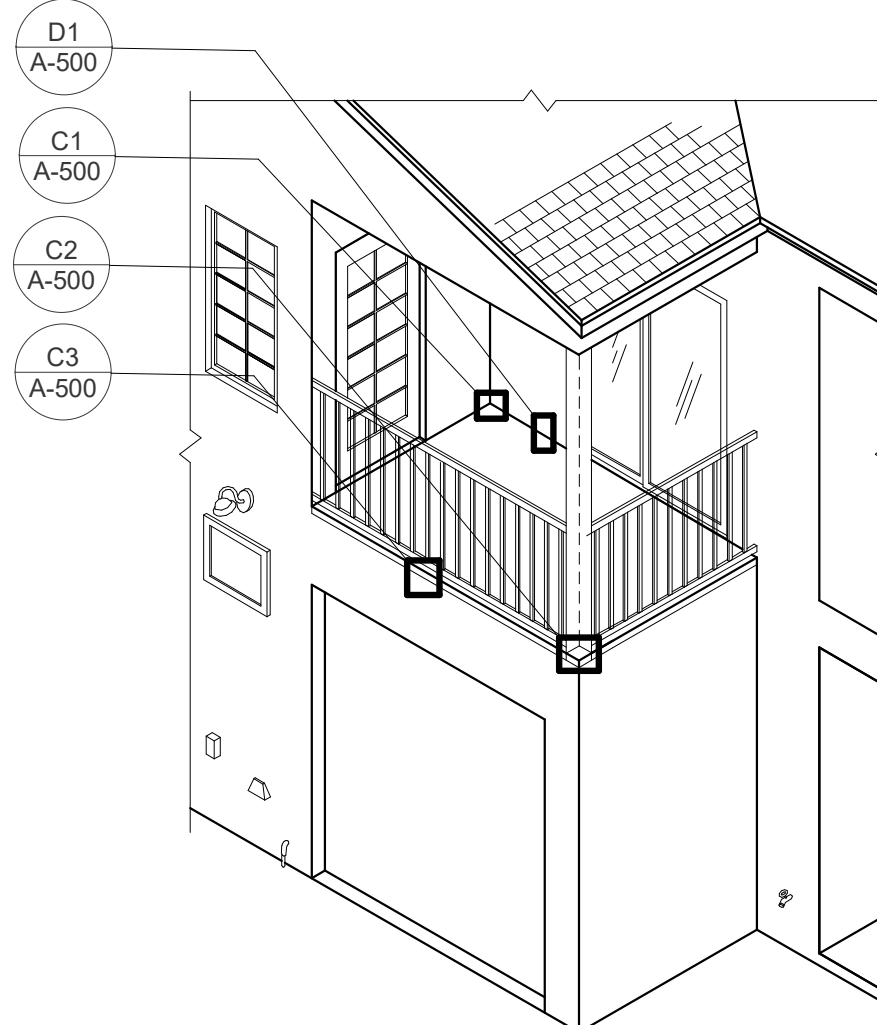
B4 **TOPPING SLAB TRANSITION**
N.T.S.



A4 **WATERPROOFING TERMINATION**
N.T.S.

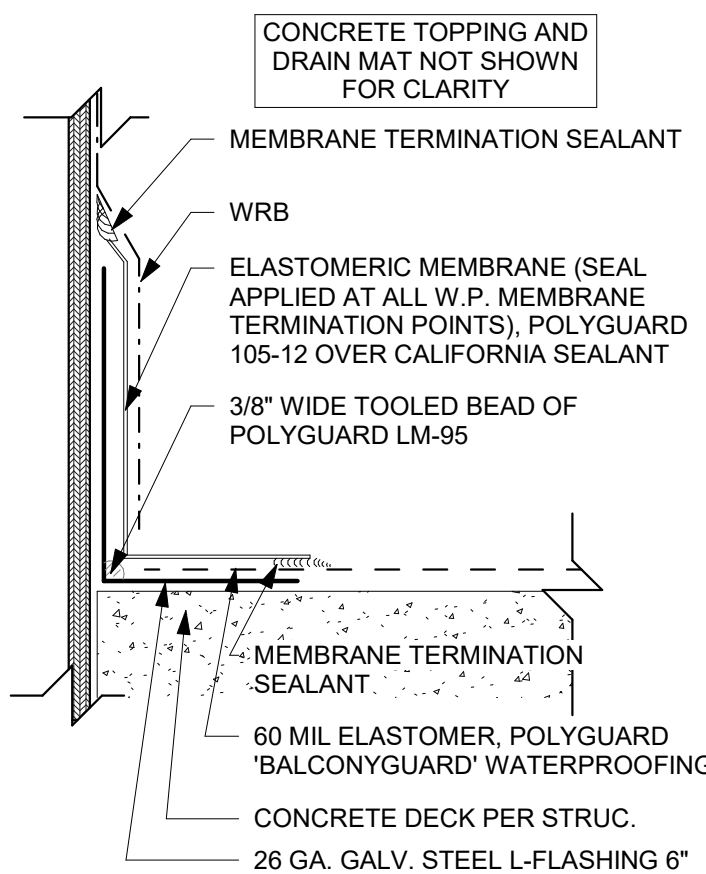


E2 **PODIUM SILL PAN**
3/4" = 1'-0"

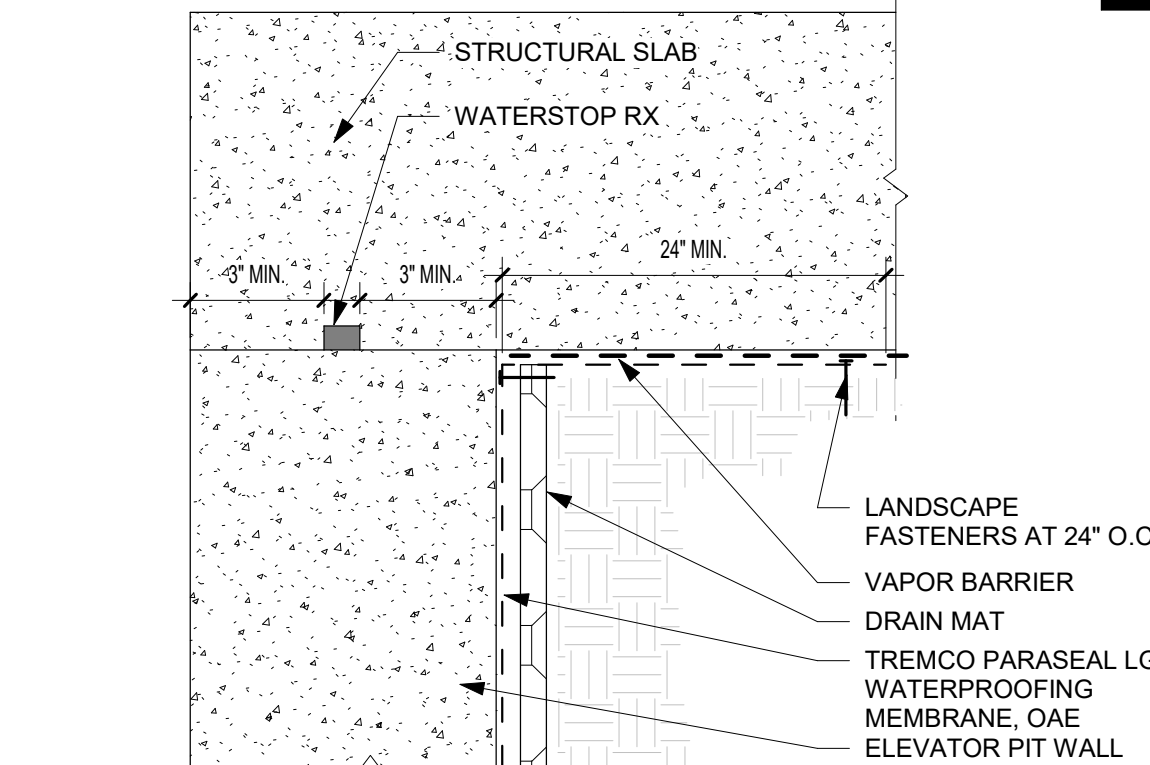


NOTE: FLASHING AND WATERPROOFING DETAILS SHOWN ARE INTENDED TO BE TYPICAL FOR ALL AREAS REQUIRING ATTENTION TO WATERPROOFING OF THE BUILDING ENVELOPE. NOT ALL THE CONDITIONS ARE COVERED BY DETAILS, REFER TO SMACNA PUBLICATIONS AND FOLLOW ALL PRODUCT MFR'S RECOMMENDATIONS AND REQUIREMENTS FOR CONDITIONS NOT SHOWN IN ARCHITECT'S DRAWINGS AND SPECIFICATIONS. THE ABOVE DWG IS FOR DETAIL REFERENCE UNDERSTANDING ONLY, NOT FOR DESIGN INTENT OF THE PROJECT.

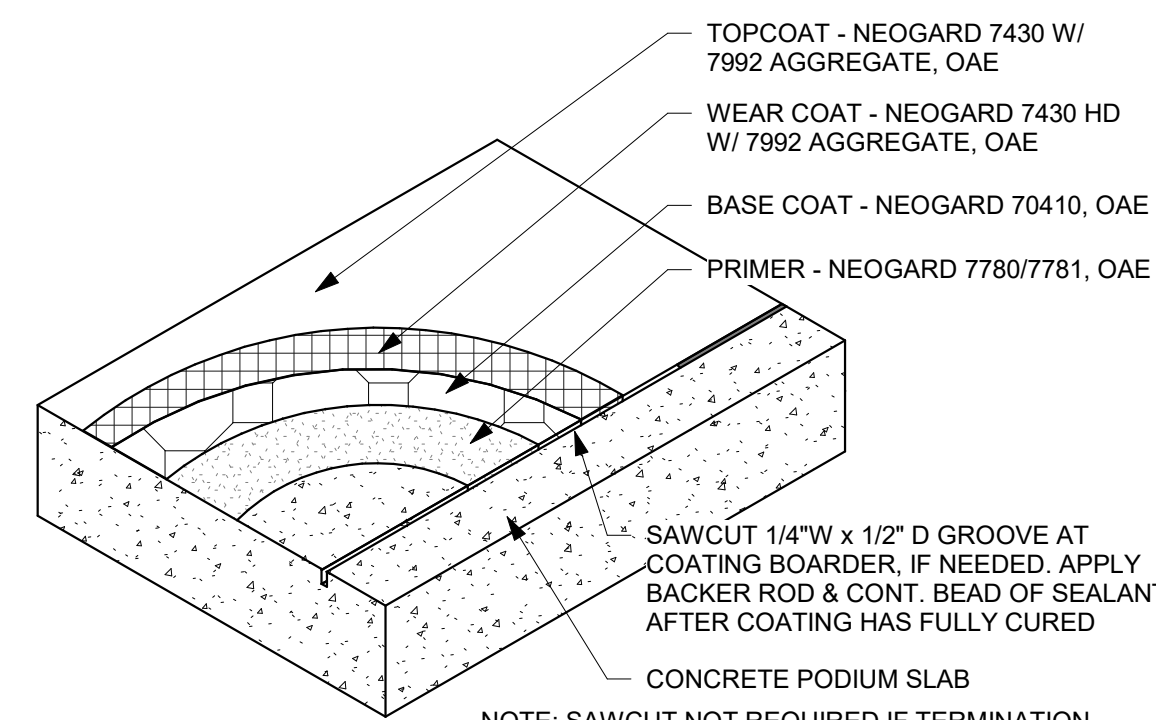
E1 **ISO REFERENCE**
N.T.S.



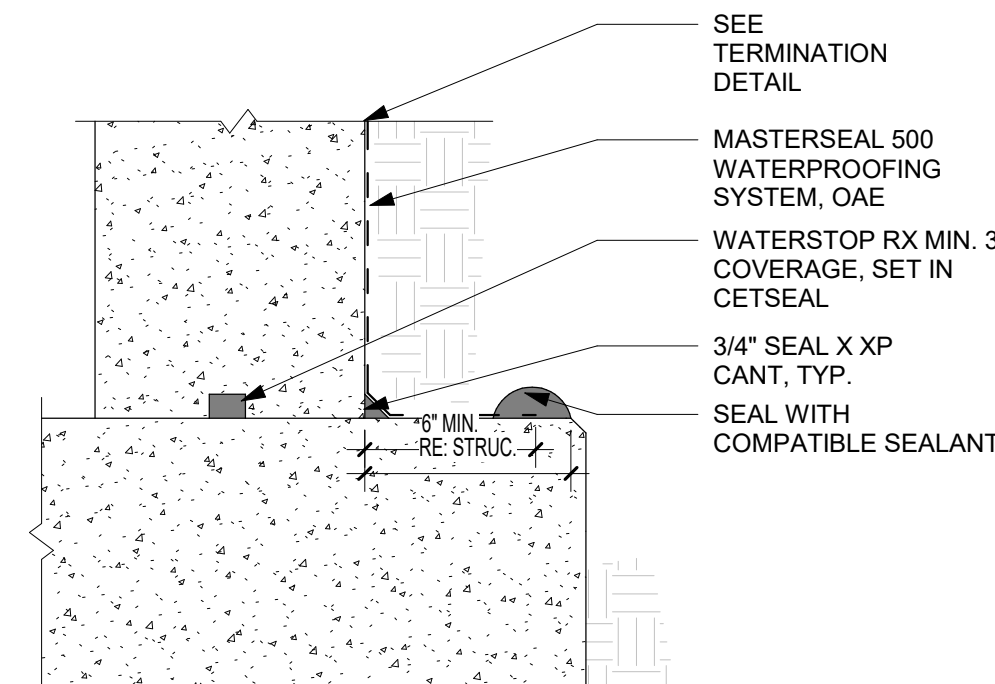
B2 **TRAFFIC COATING WALL BASE**
N.T.S.



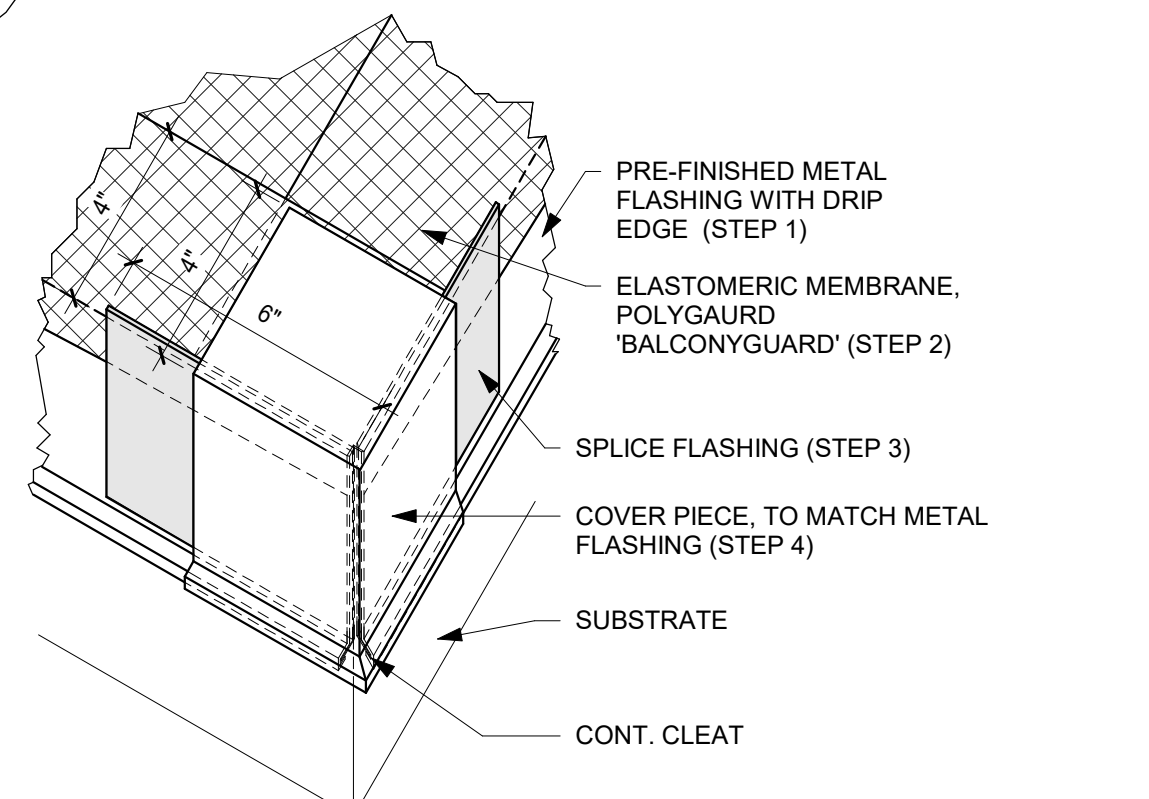
A2 **ELEVATOR PIT WALL TO SLAB**
N.T.S.



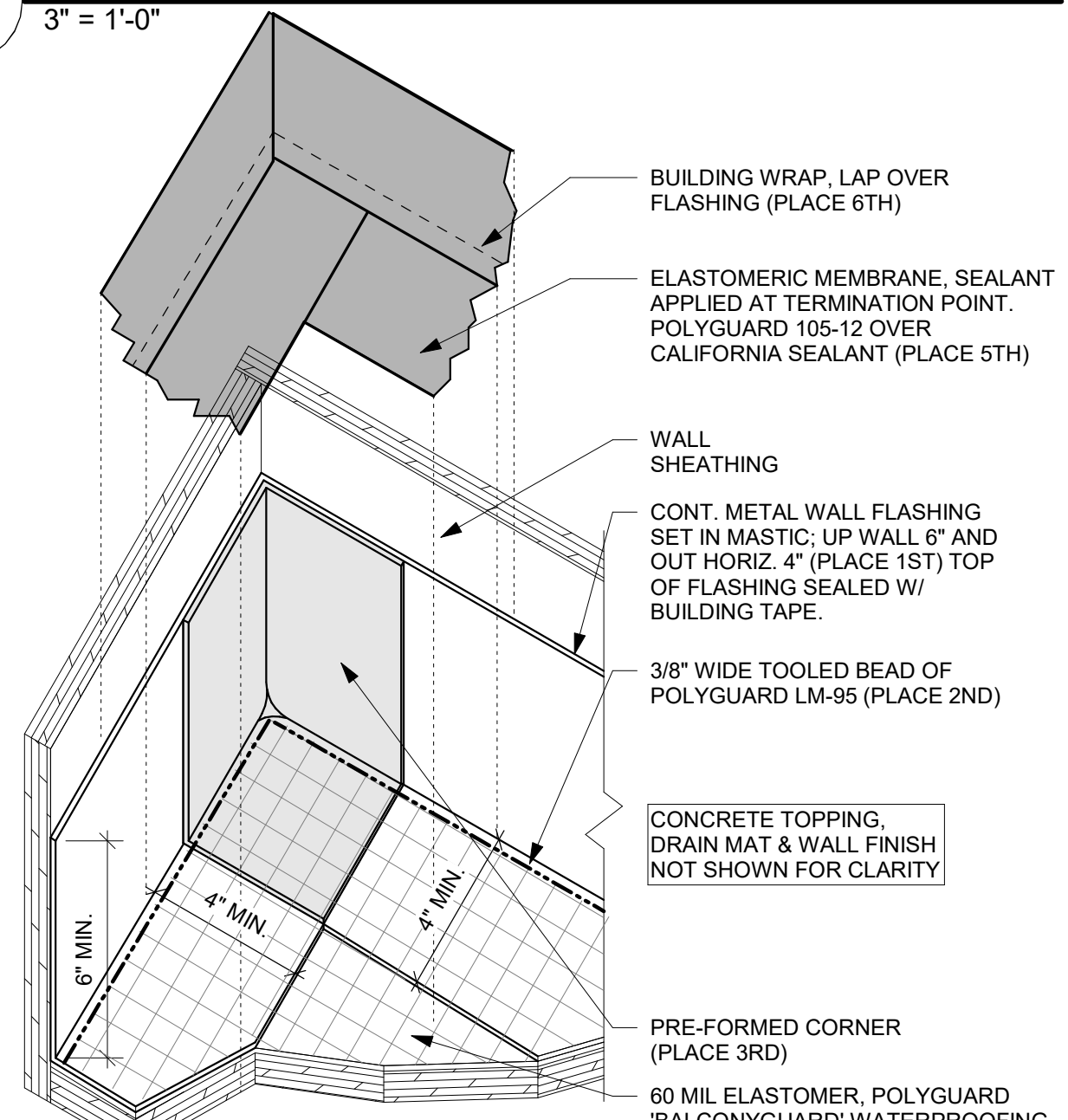
B1 **VEHICULAR TRAFFIC COATING**
N.T.S.



A1 **SUBGRADE CONCRETE WALL**
N.T.S.



C3 **OUTSIDE EDGE DETAIL @ FRAMED BALCONY**
3" = 1'-0"



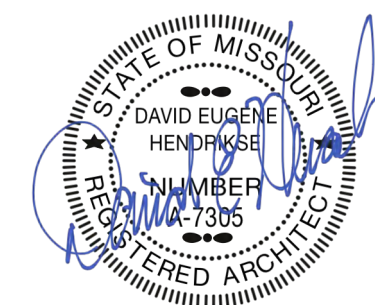
C2 **OUTSIDE CORNER DETAIL @ FRAMED BALCONY**
3" = 1'-0"



C1 **INSIDE CORNER DETAIL @ FRAMED BALCONY**
3" = 1'-0"

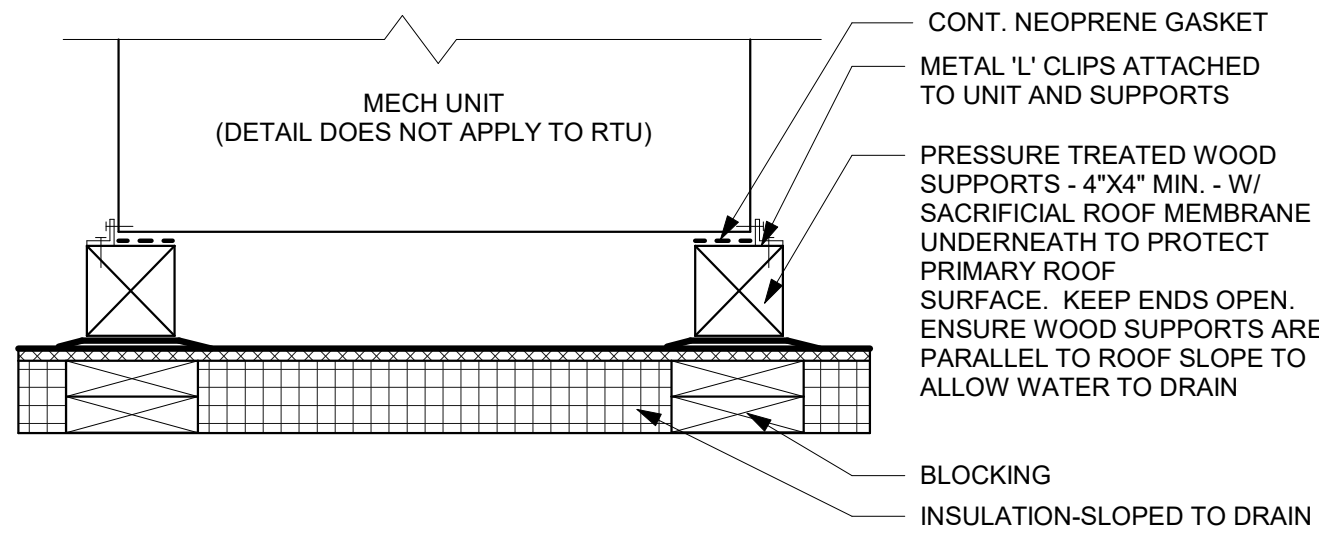
BALCONY WALL

D1 **FLASHING DETAIL AT BALCONY WALL**
3" = 1'-0"

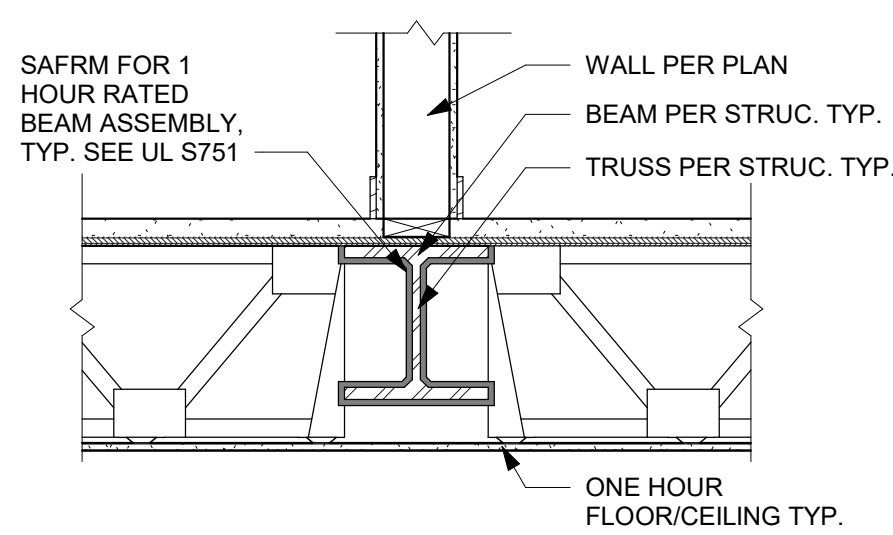


TOWNEPLACE SUITES

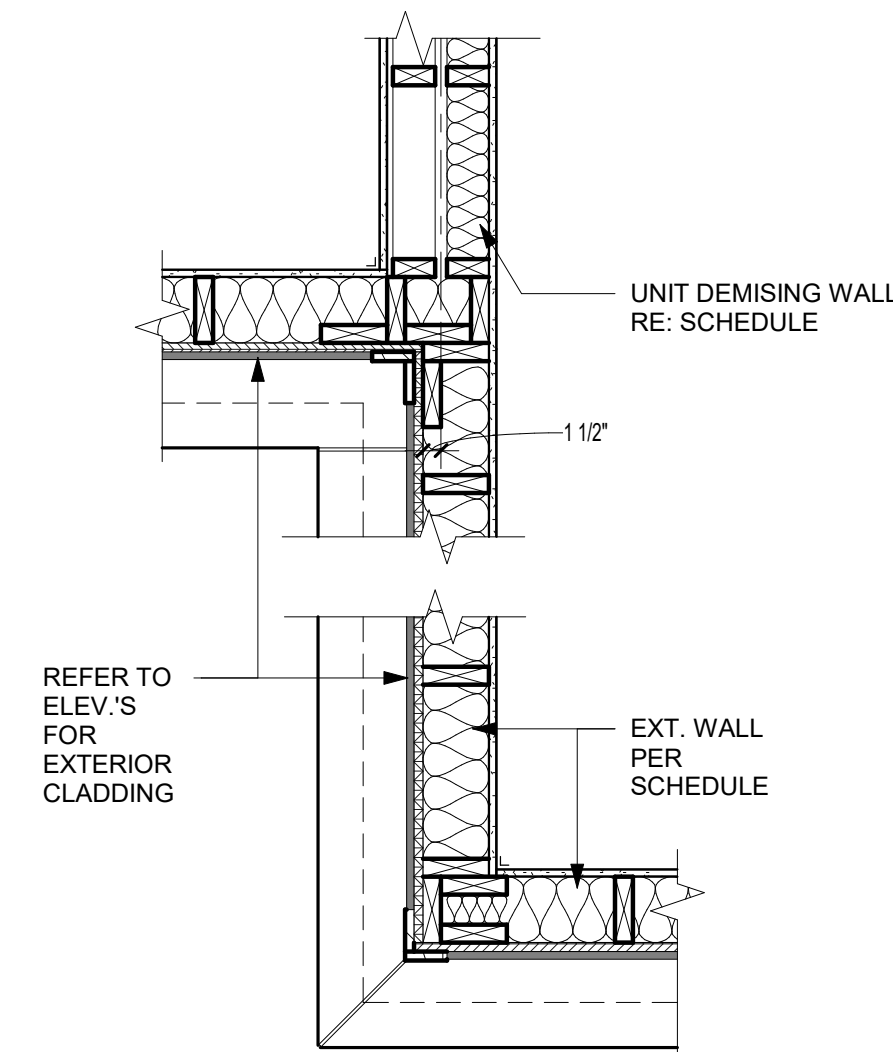
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA



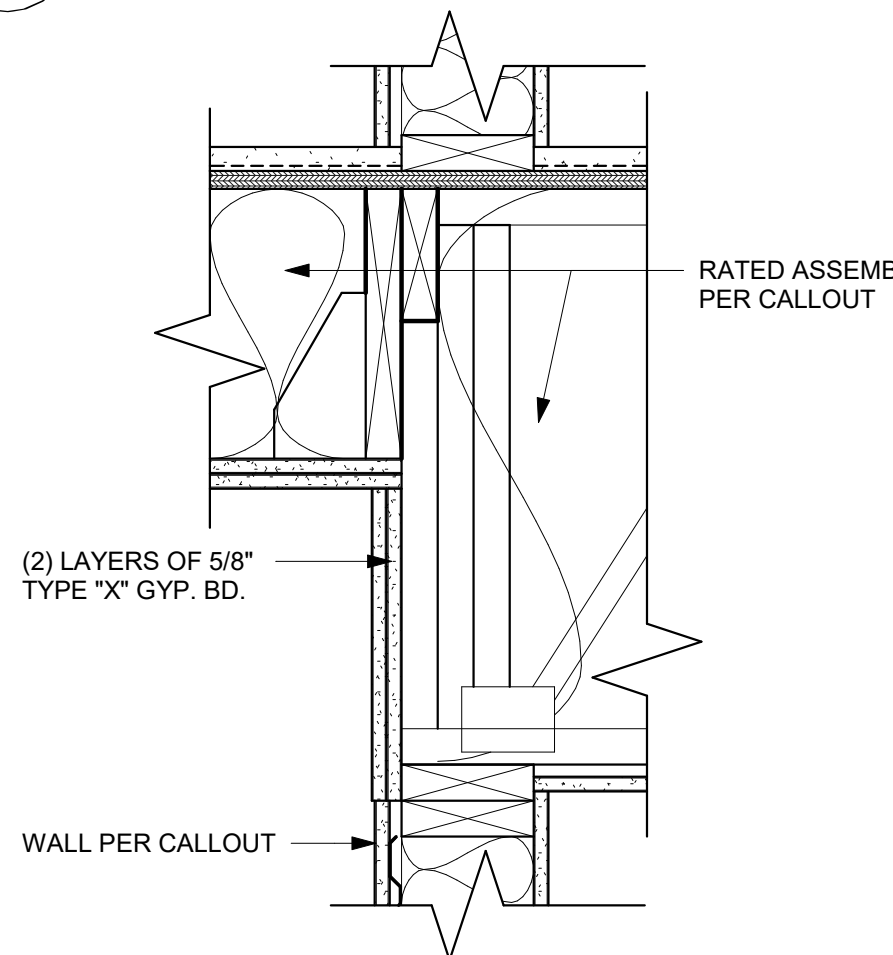
D4 ROOF - MECH UNIT ROOF SUPPORT BLOCKS
1 1/2" = 1'-0"



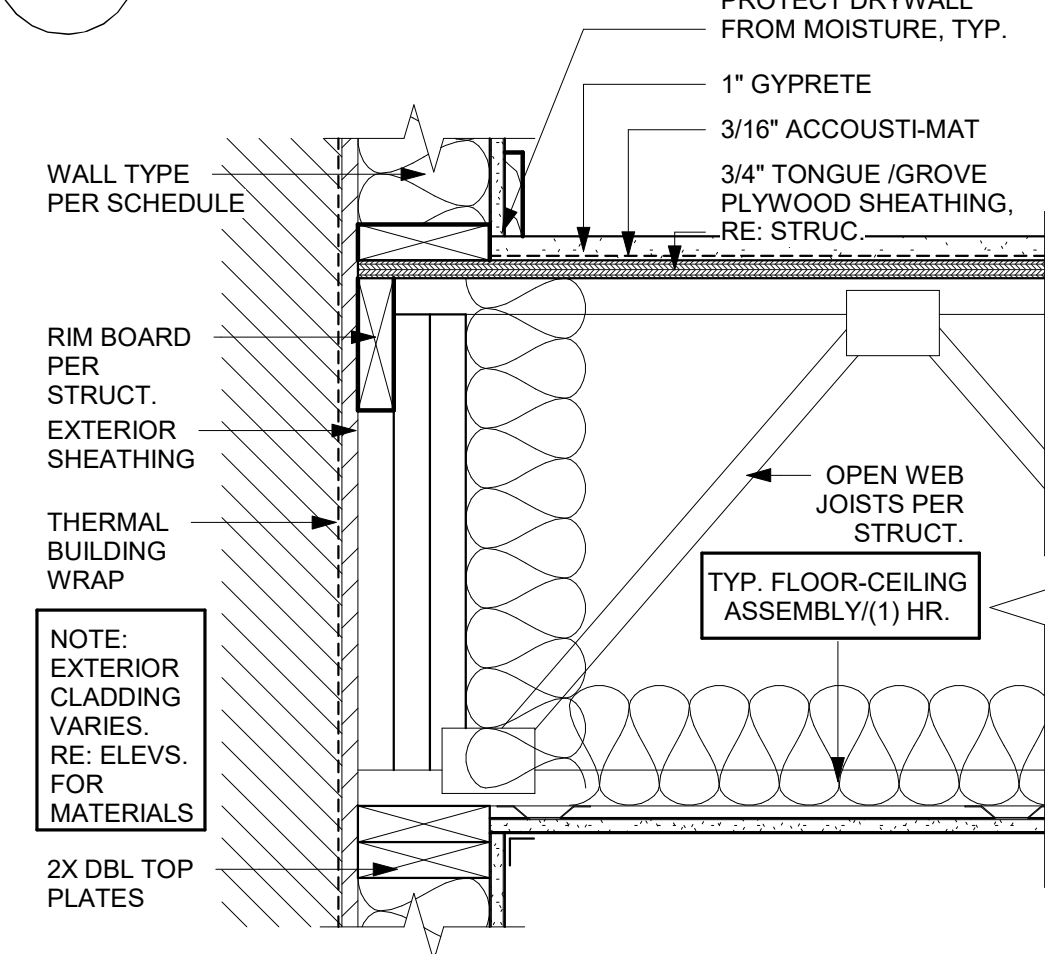
C4 SAFRM SECTION
3/4" = 1'-0"



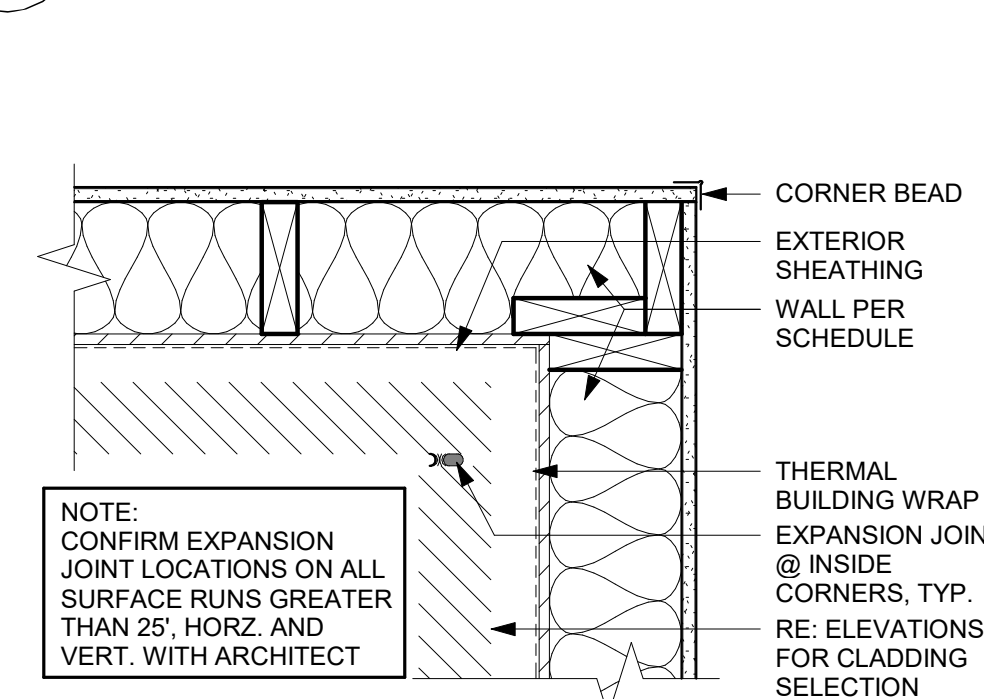
B4 CORNER FRAMING DETAIL
3/4" = 1'-0"



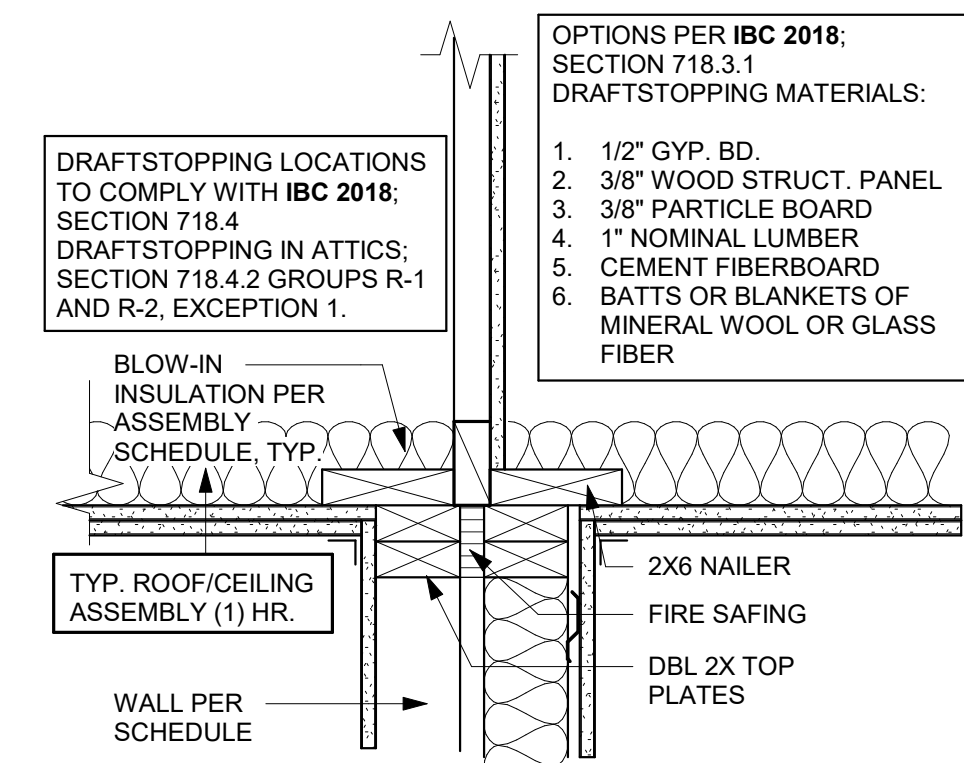
B3 FRAMING UPSET @ CORRIDORS
1 1/2" = 1'-0"



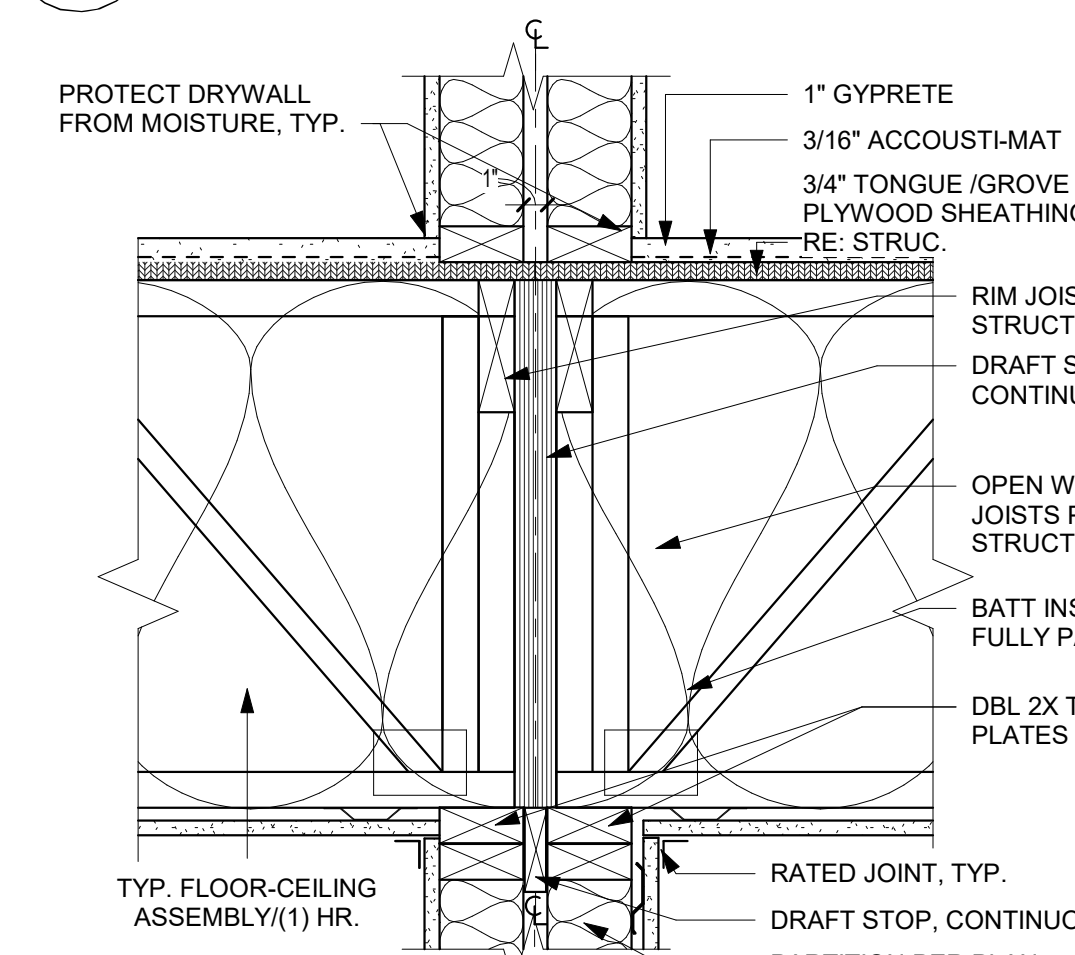
B2 FRAMING FLOOR/CLG DTL.
1 1/2" = 1'-0"



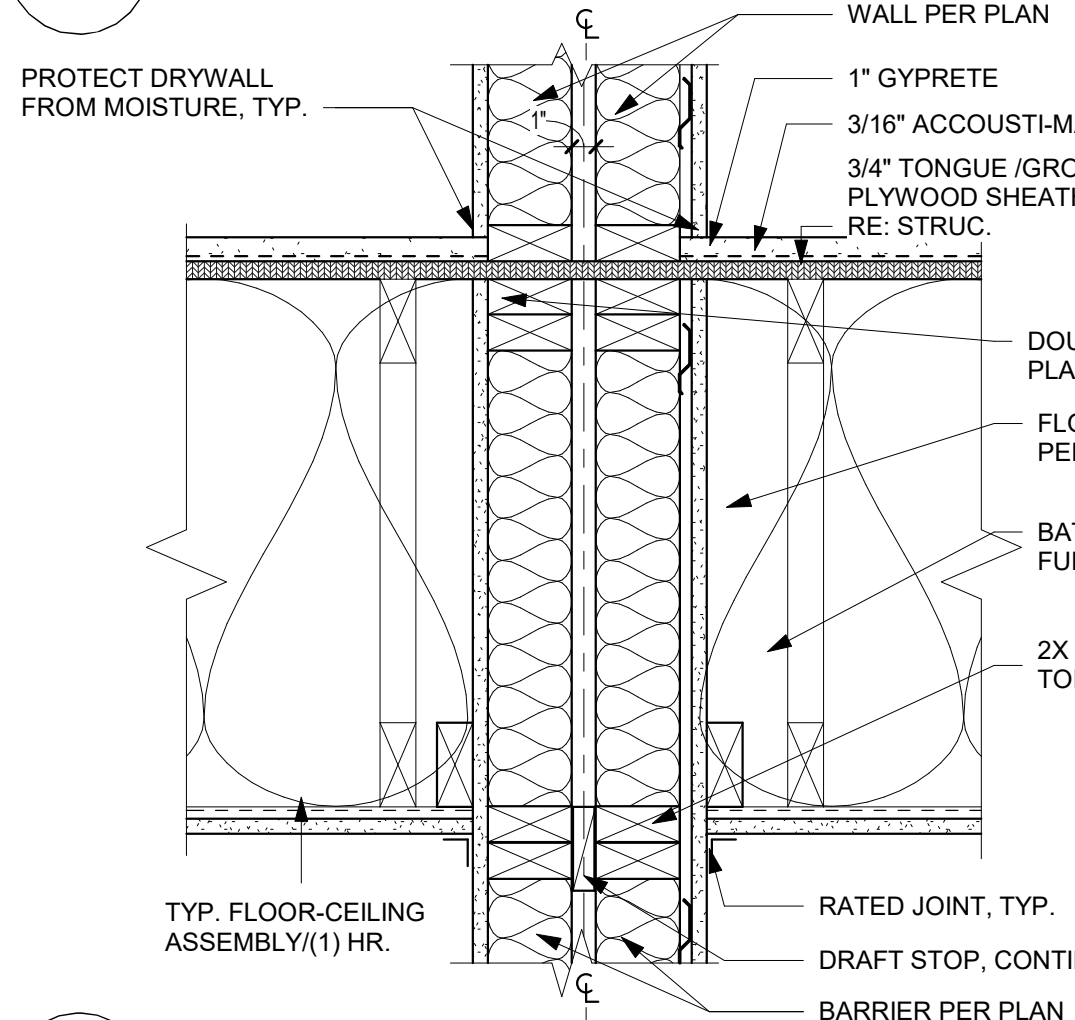
B1 FRAMING INSIDE CORNER
1 1/2" = 1'-0"



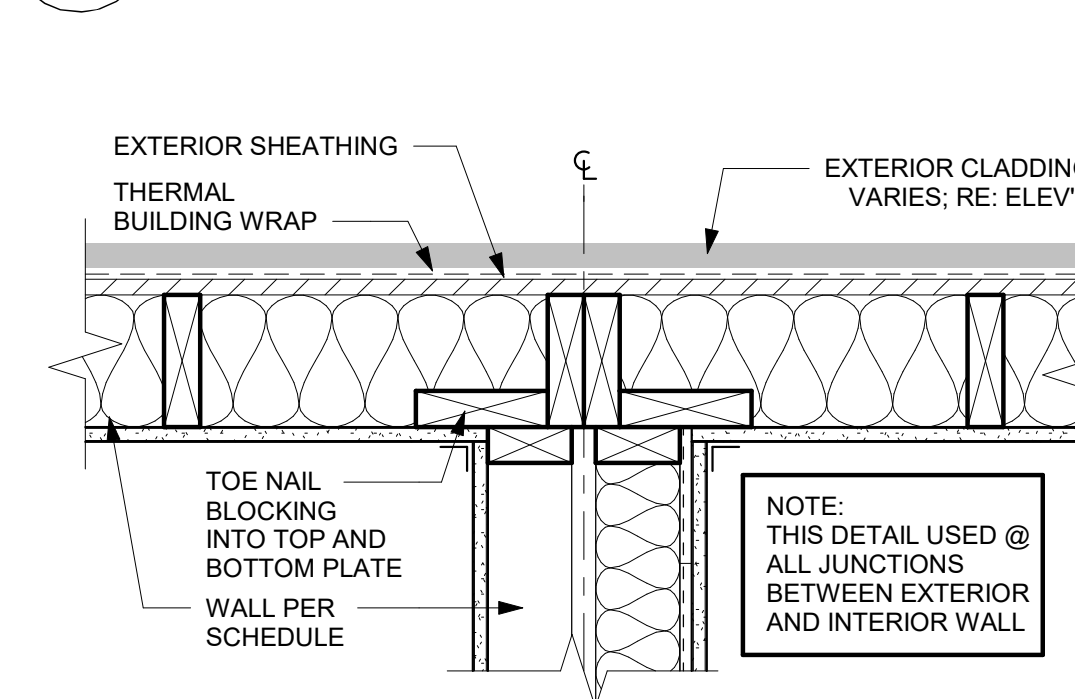
A4 PARTY WALL - DRAFTSTOP
1 1/2" = 1'-0"



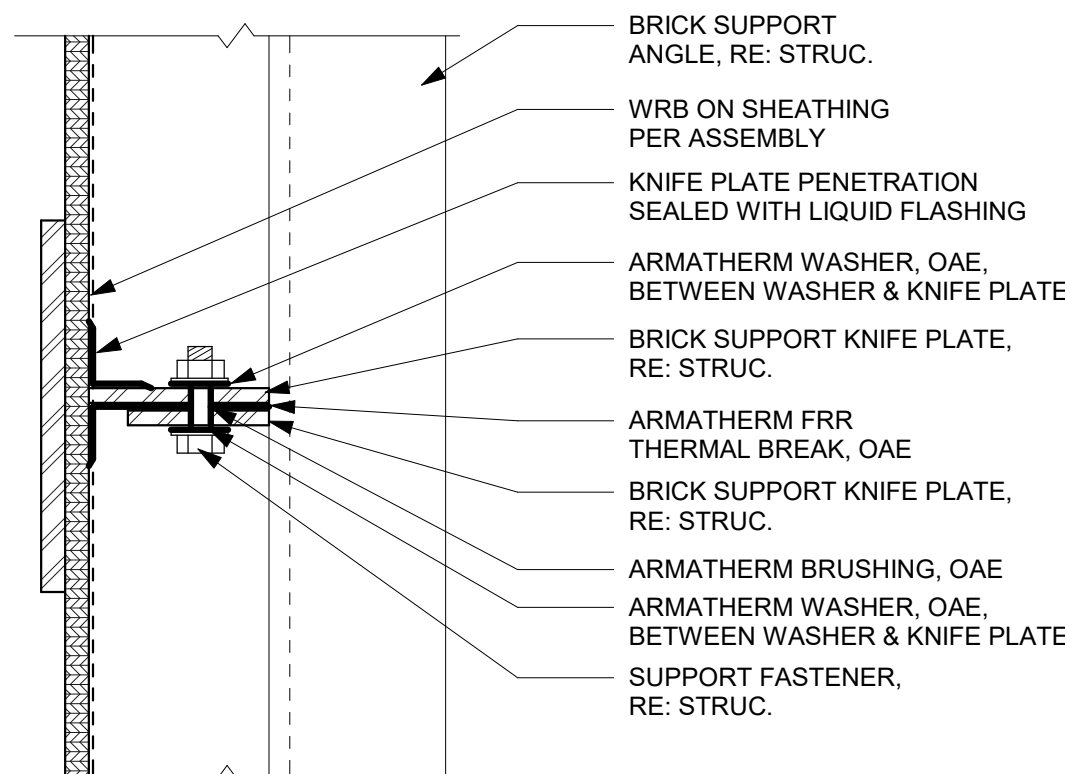
A3 PARTY WALL - SECTION 2
1 1/2" = 1'-0"



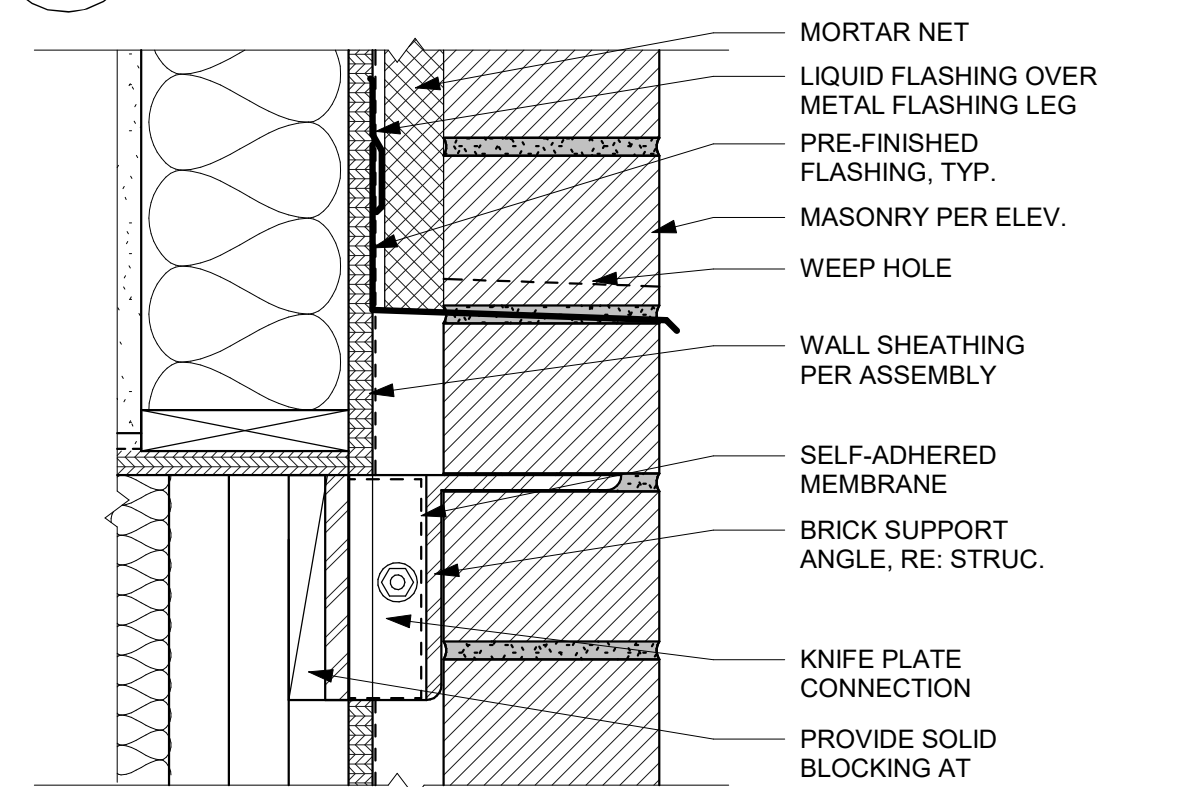
A2 PARTY WALL - SECTION
1 1/2" = 1'-0"



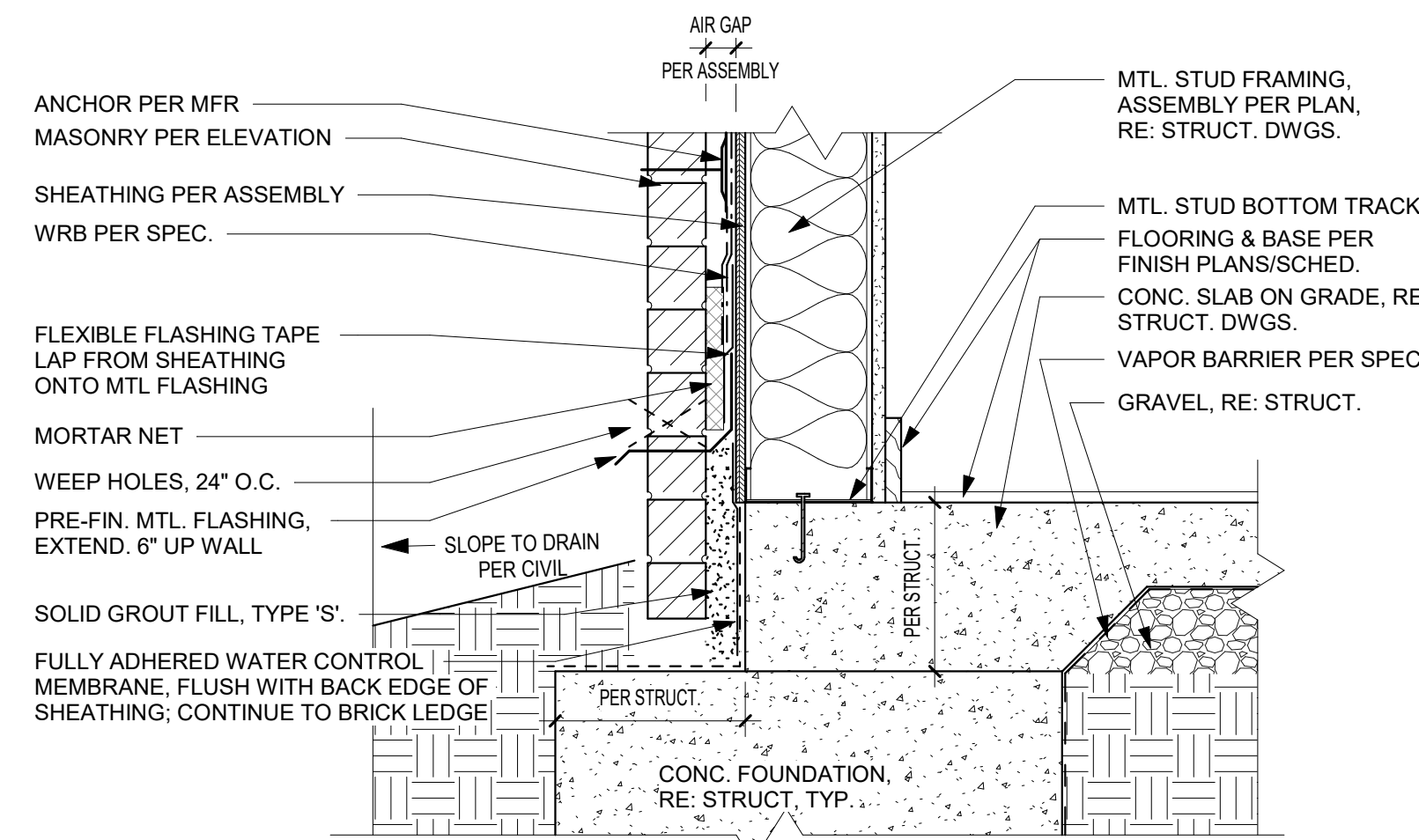
A1 PARTITION WALL FIRE SEPERATION DETAIL
1 1/2" = 1'-0"



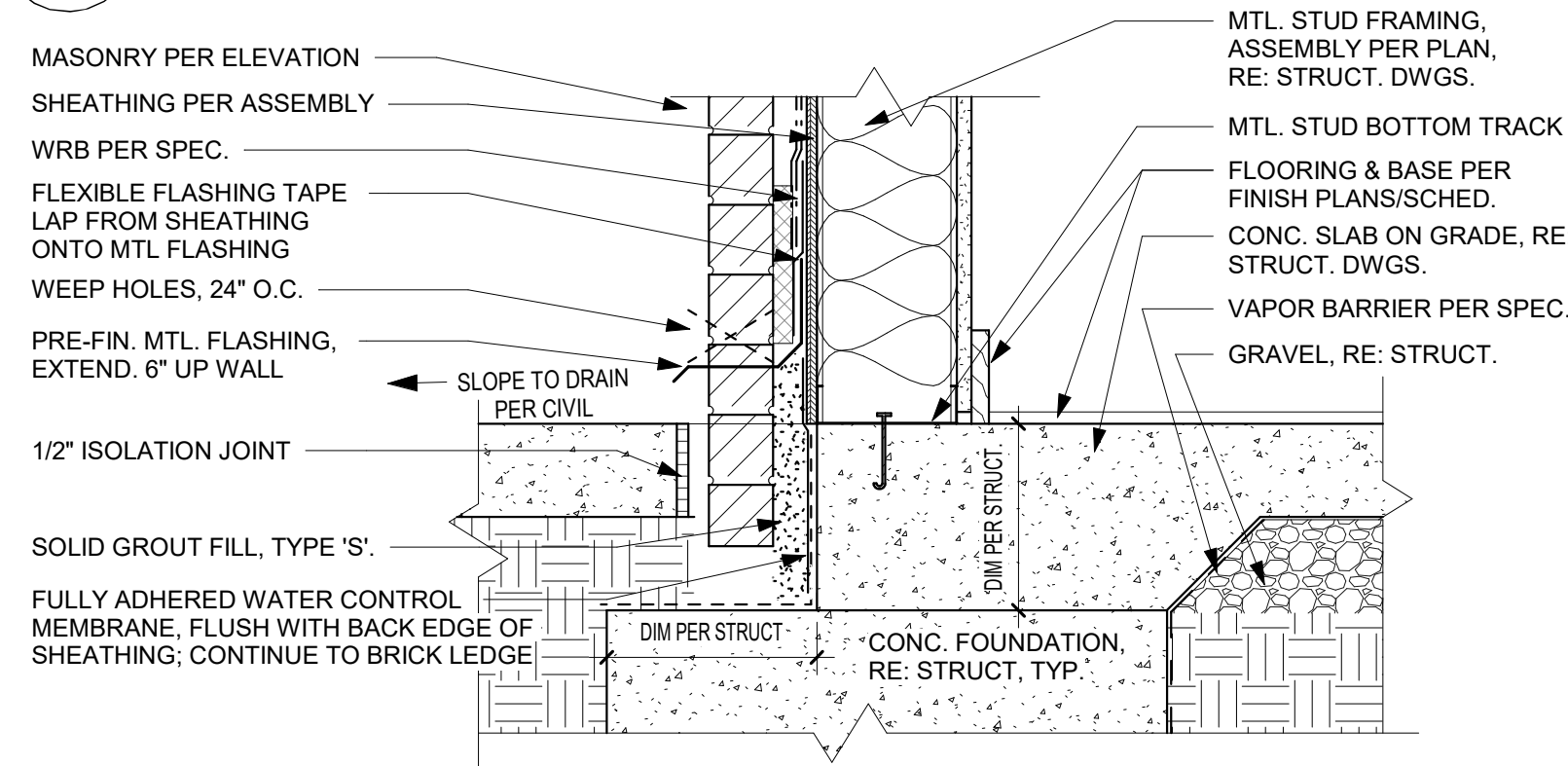
D2 KNIFE PLATE CONNECTION
N.T.S.



D1 BRICK SUPPORT ANGLE
N.T.S.

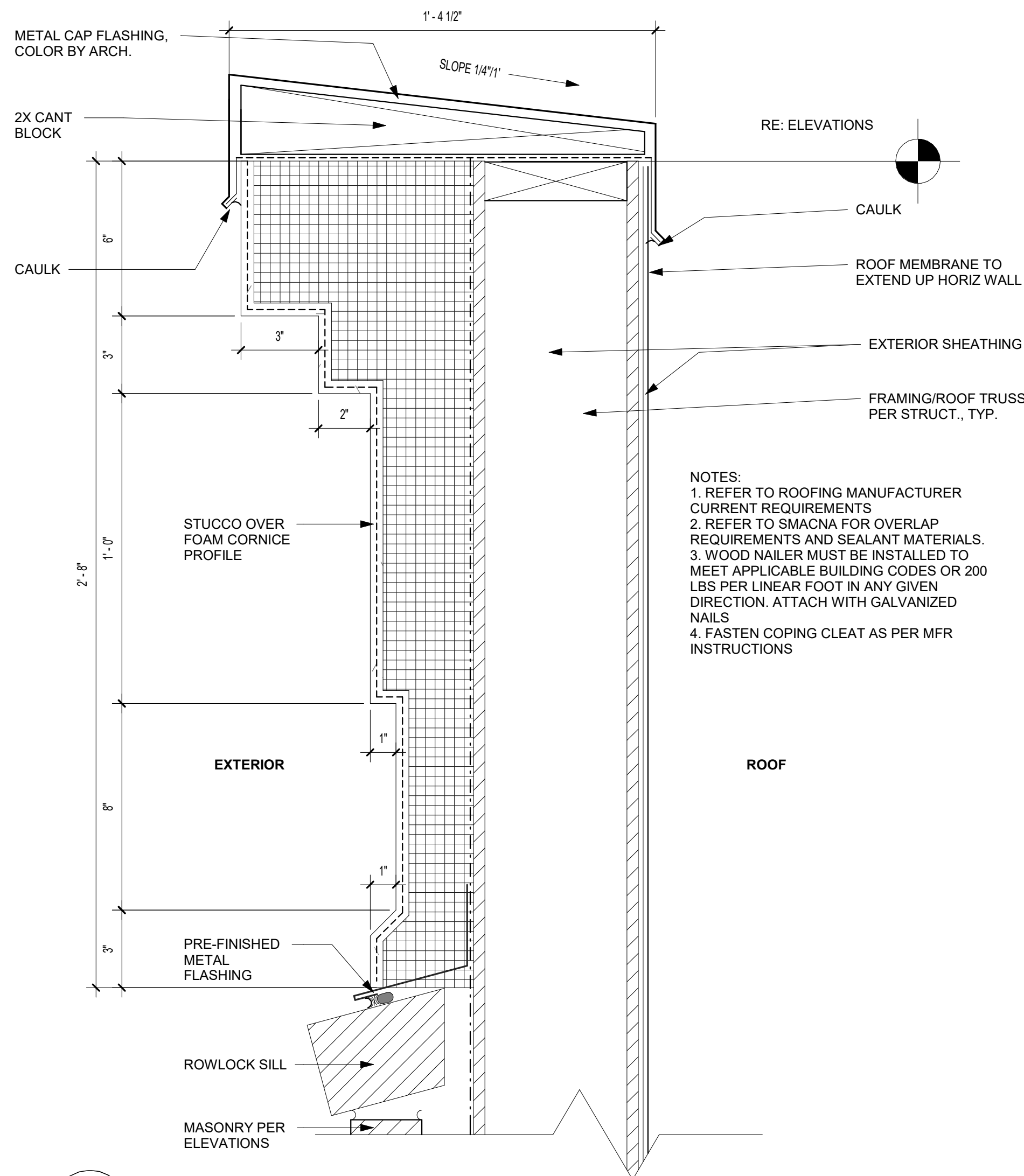


C2 FOUNDATION AT GRADE
1 1/2" = 1'-0"

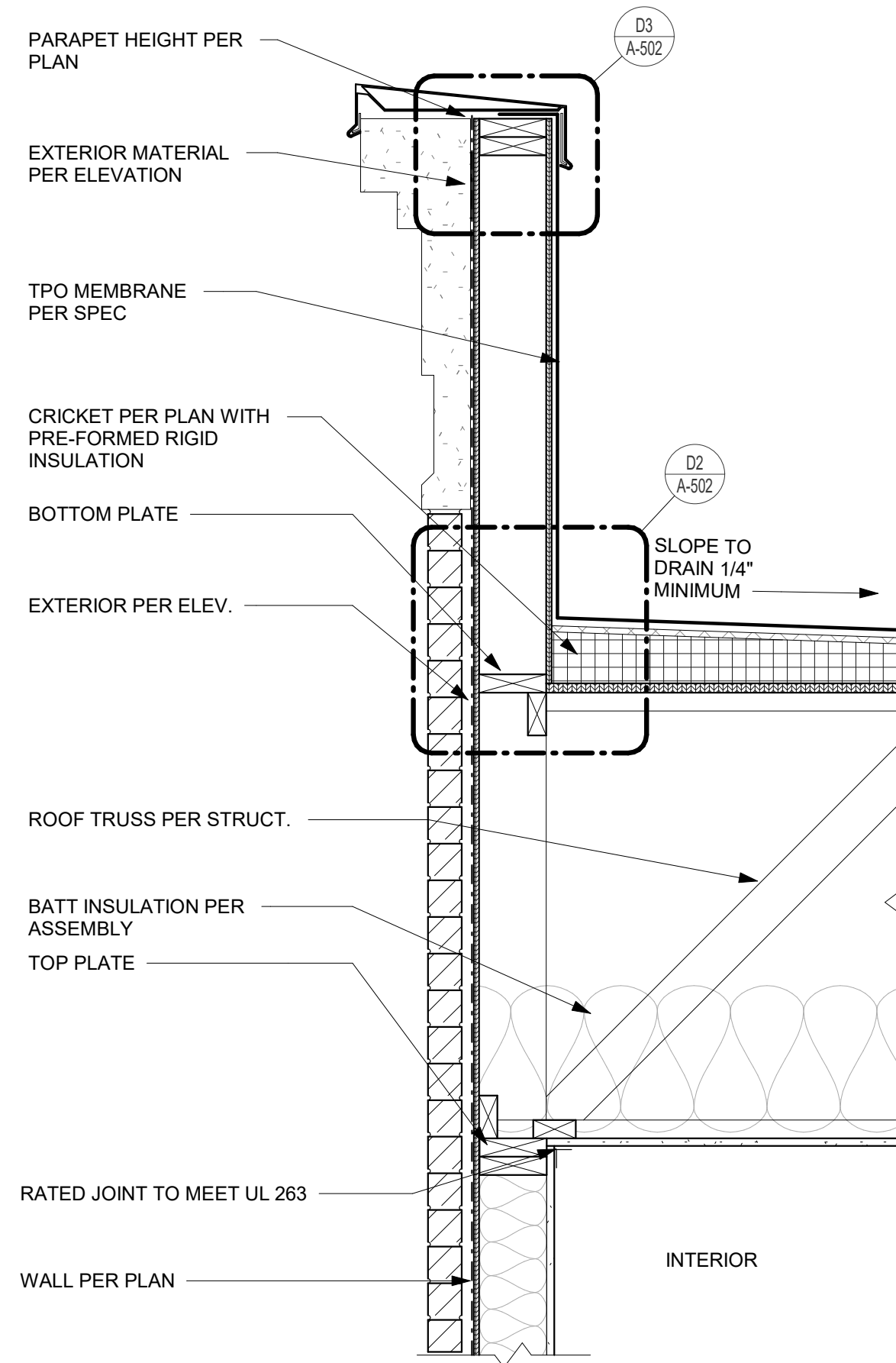


C1 FOUNDATION AT HARDSCAPE
1 1/2" = 1'-0"

11/1/2023 11:25:46 AM
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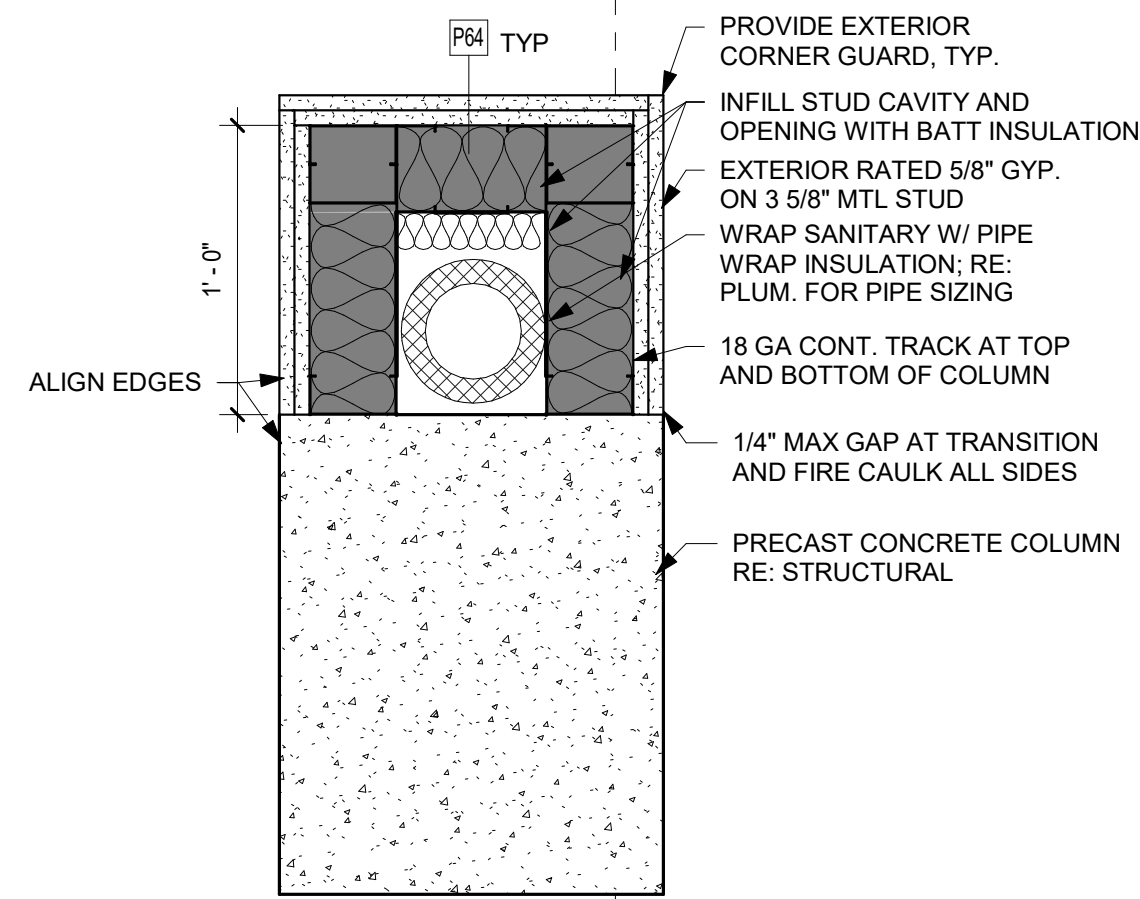


D3 ROOF - WOOD STUD - TPO/SIDING - PARAPET (SECTION)
3" = 1'-0"

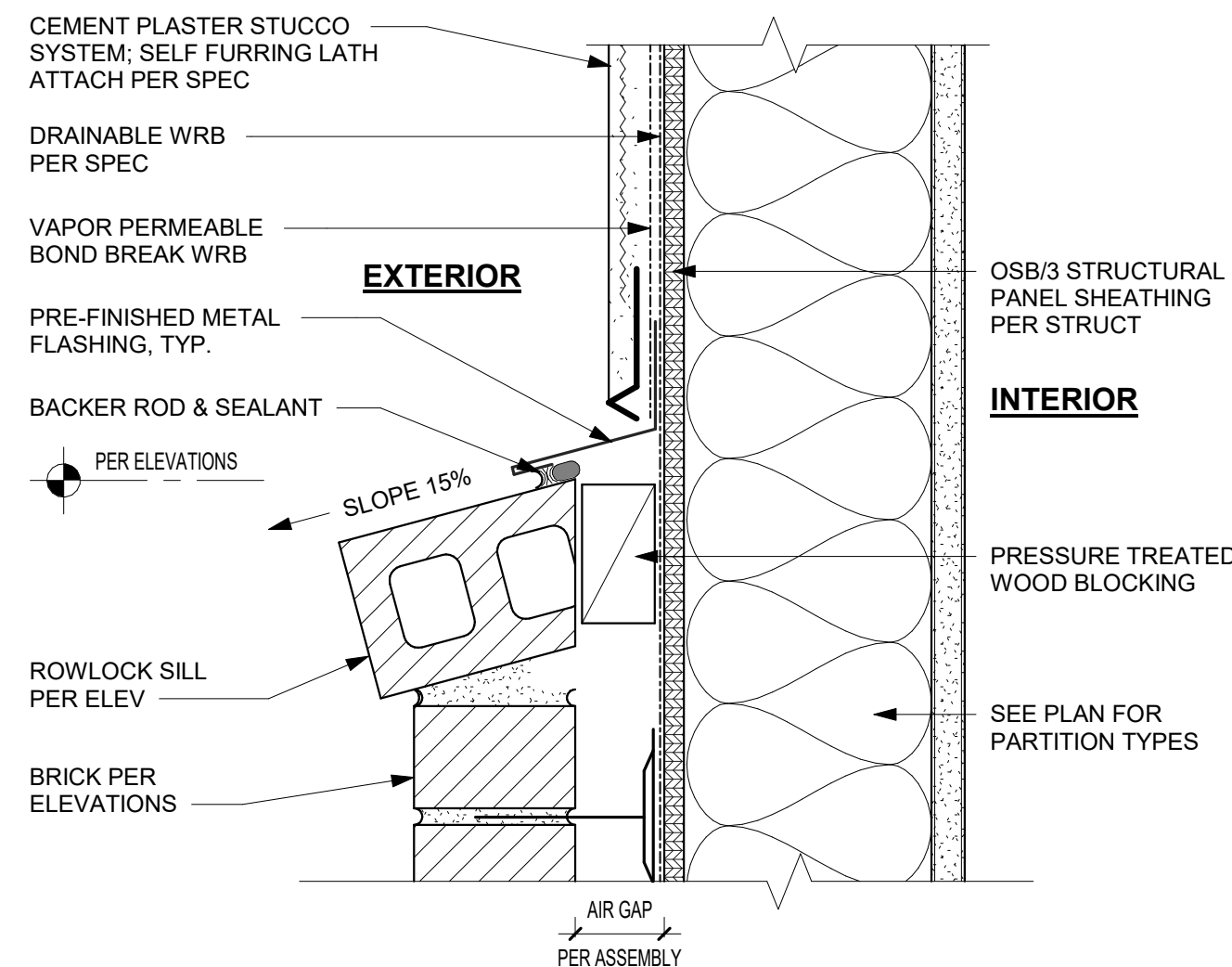


D1 ROOF - WOOD STUD - TPO - PARAPET HIGH, TYP.
1" = 1'-0"

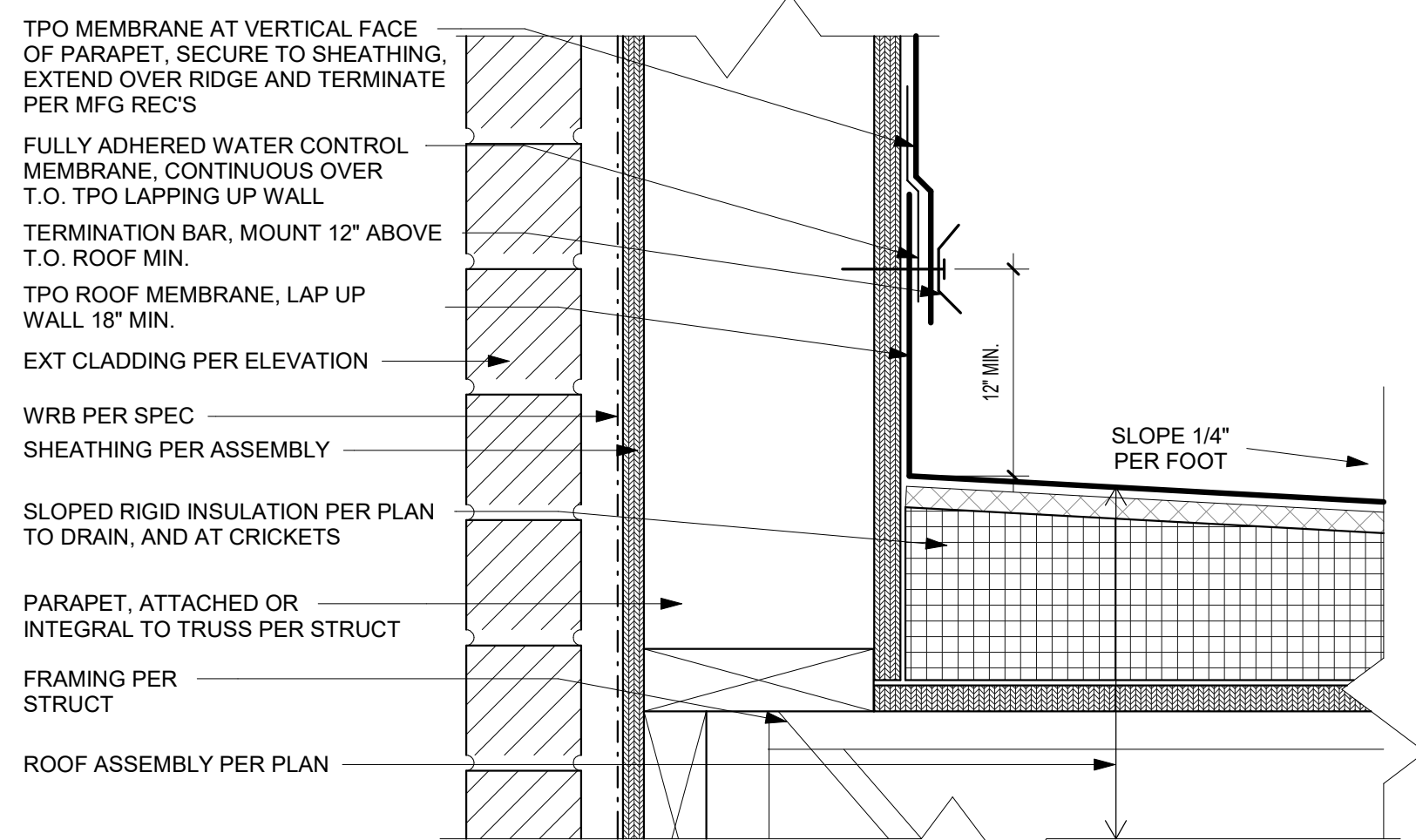
- NOTES:
1. REFER TO ROOFING MANUFACTURER CURRENT REQUIREMENTS
 2. REFER TO SMACNA FOR OVERLAP REQUIREMENTS AND SEALANT MATERIALS.
 3. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS PER LINEAR FOOT IN ANY GIVEN DIRECTION. ATTACH WITH GALVANIZED NAILS
 4. FASTEN COPING CLEAT AS PER MFR INSTRUCTIONS



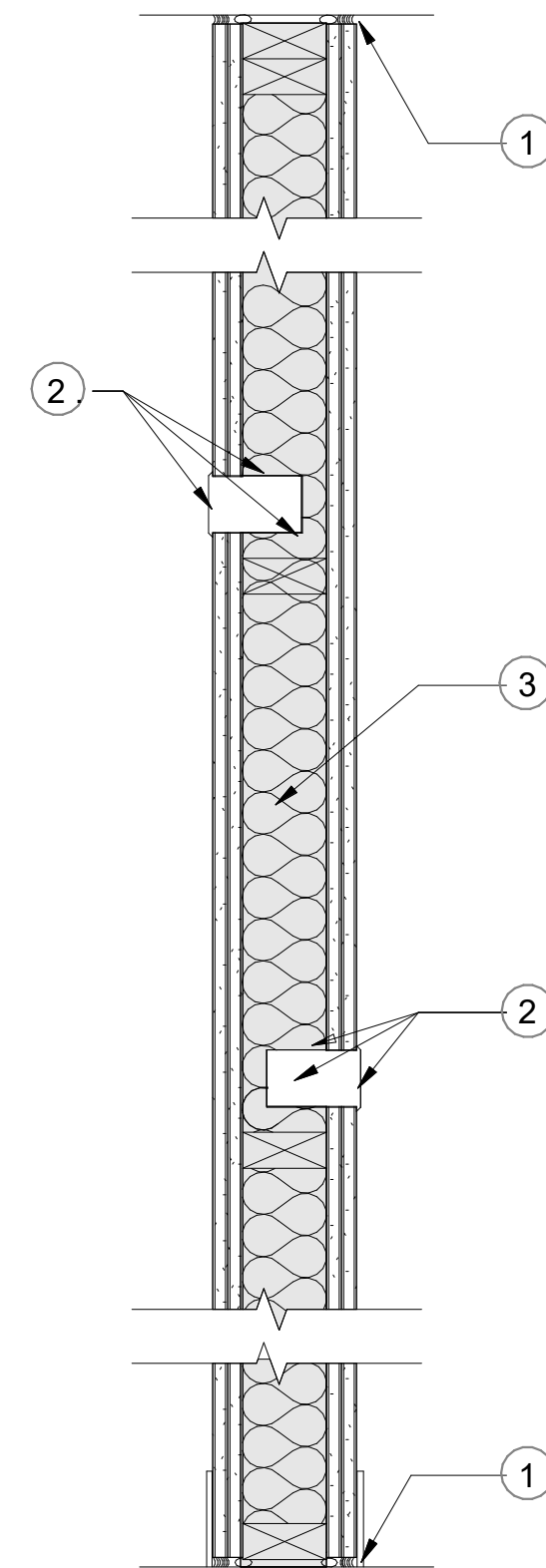
C3 TYP. GARAGE COLUMN FURR OUT
1 1/2" = 1'-0"



C2 BRICK TO STUCCO TRANSITION
3" = 1'-0"

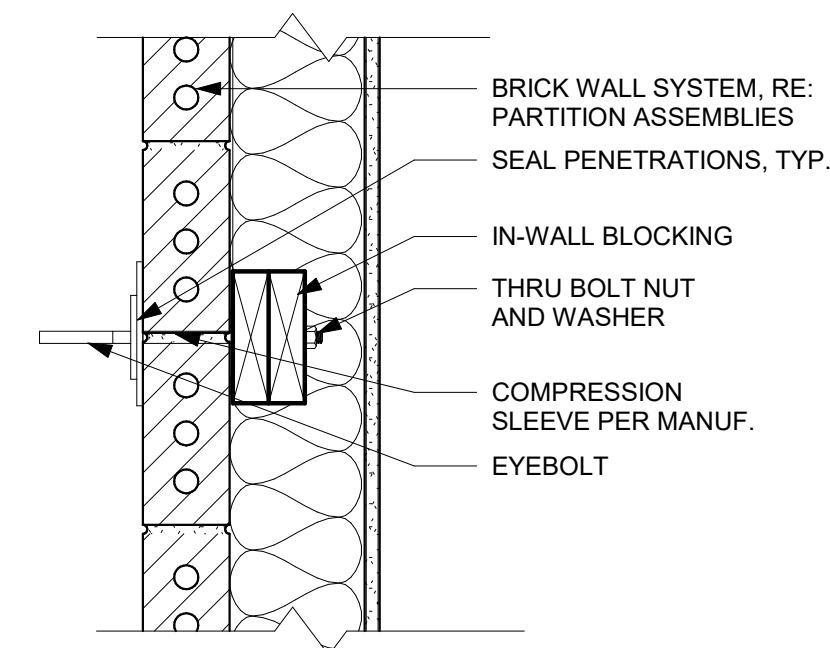


D2 ROOF - WOOD STUD - TPO PARAPET BASE AT WALL
3" = 1'-0"

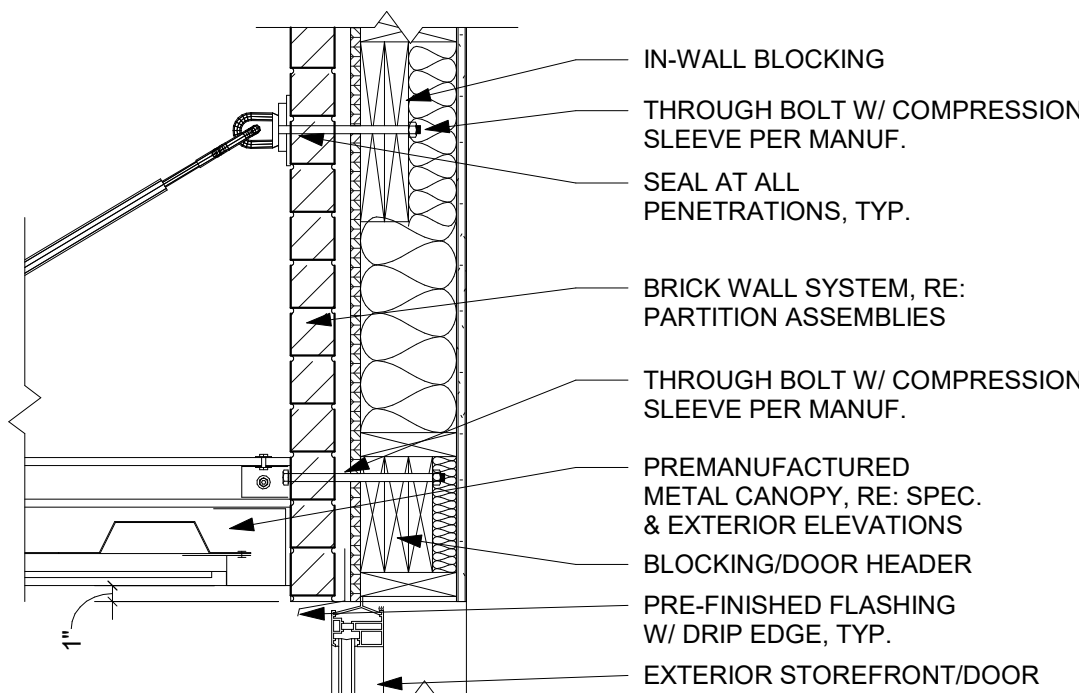


B2 ACOUSTIC WALL PLAN / SECTION
1 1/2" = 1'-0"

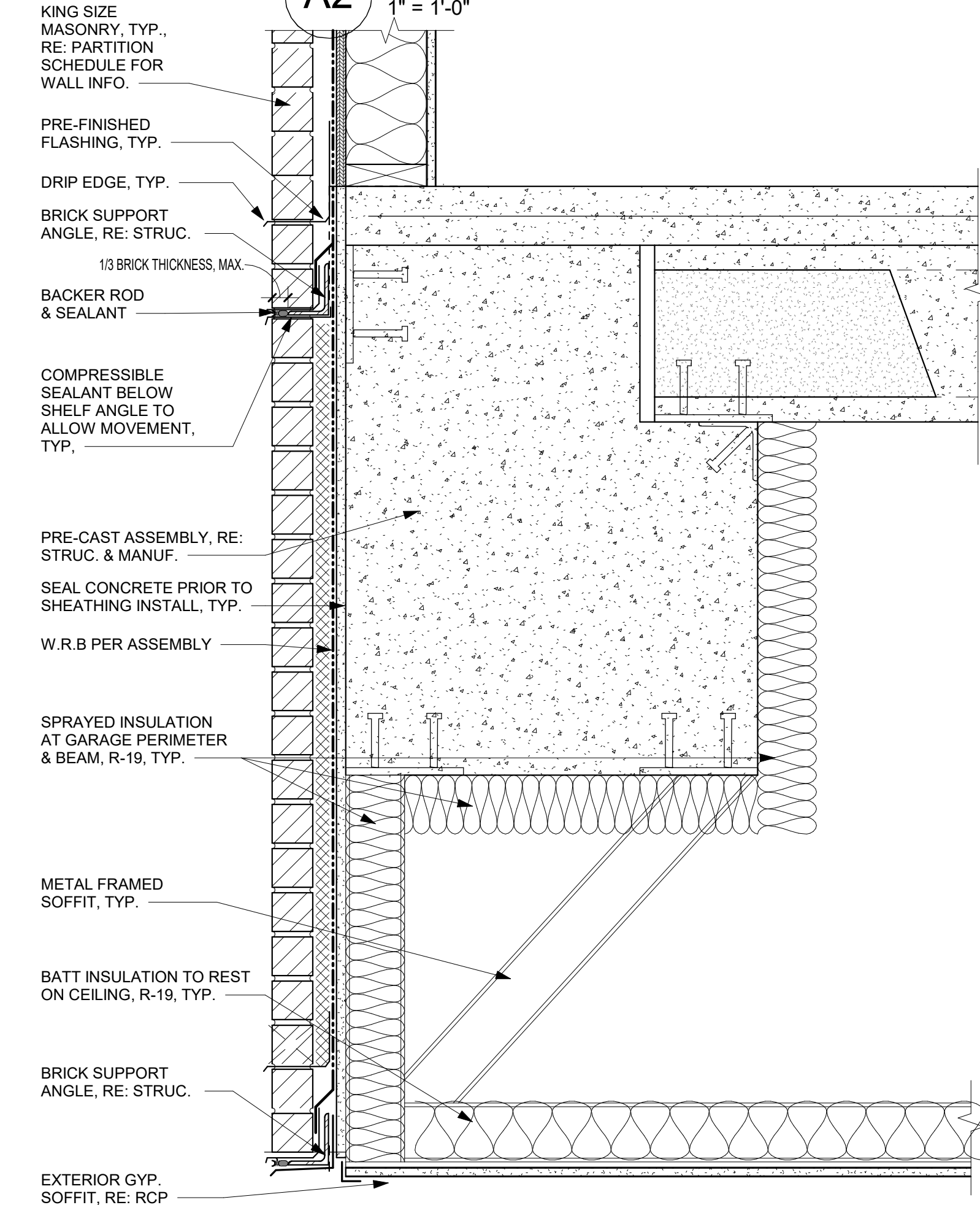
ARCHITECTURAL DETAIL PENDING



A3 CANOPY PLAN DETAIL
1 1/2" = 1'-0"



A2 WALL PROFILE AT STAIR DETAIL
1" = 1'-0"

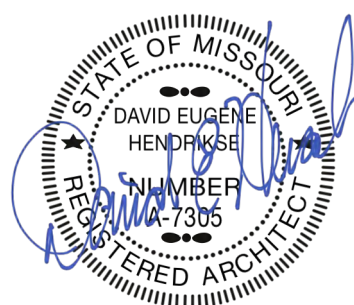


A1 PARKING GARAGE BRICK LEDGE DETAIL
1 1/2" = 1'-0"

PRINTS ISSUED
11/01/2023 - CITY SUBMITTAL

REVISIONS:

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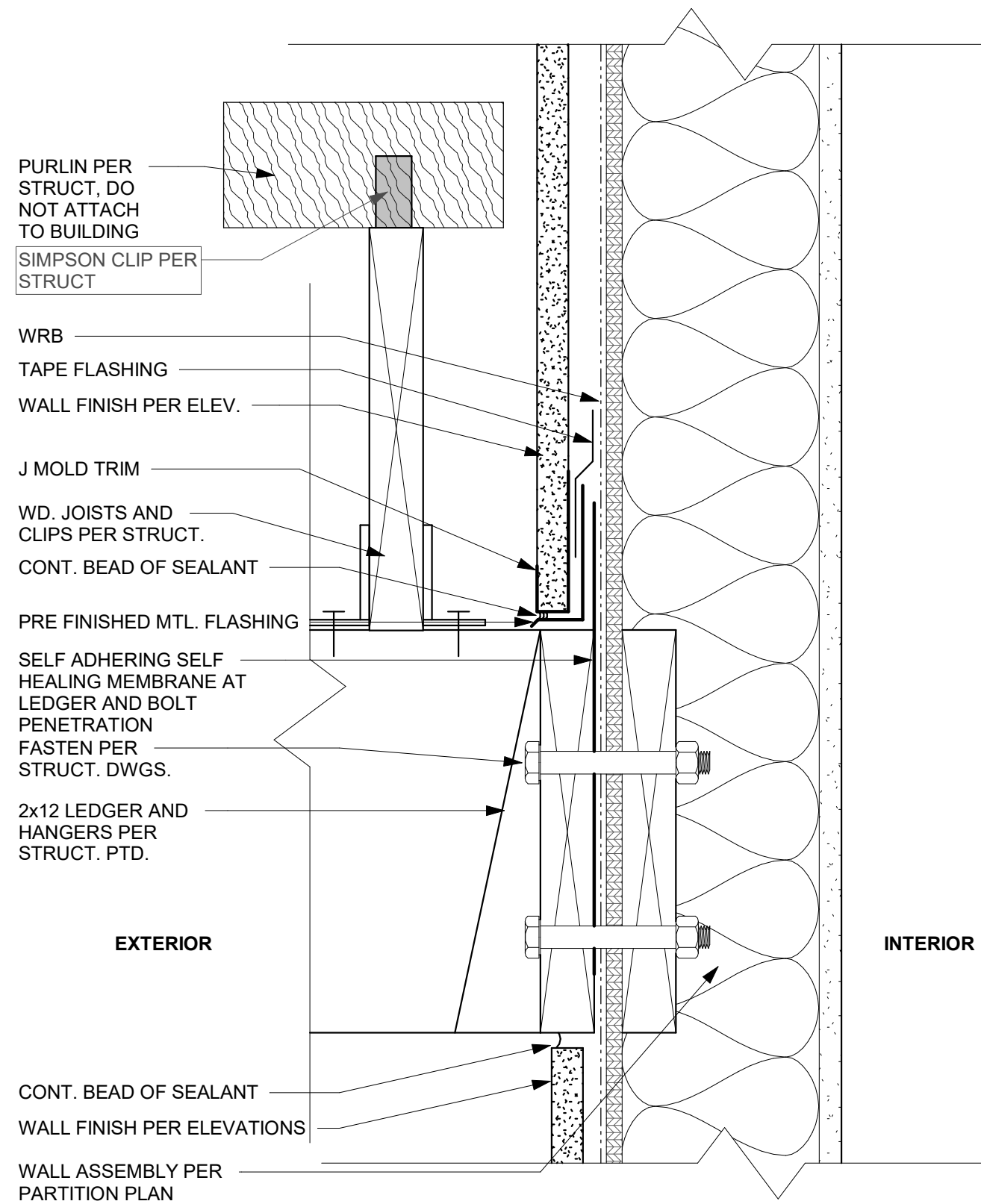
SHEET TITLE
DETAILS

PROJECT NUMBER: 23098

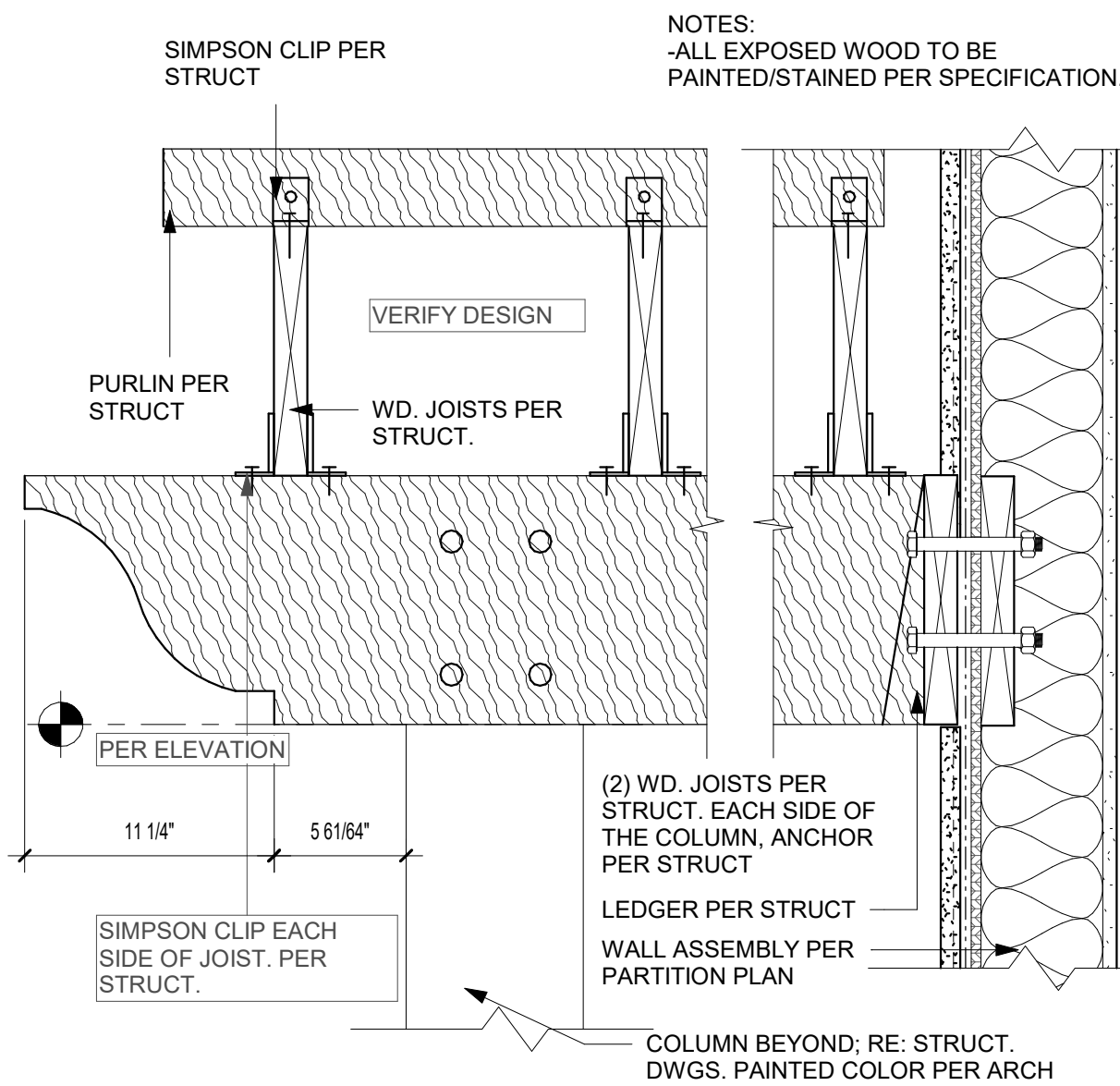
SHEET NUMBER:

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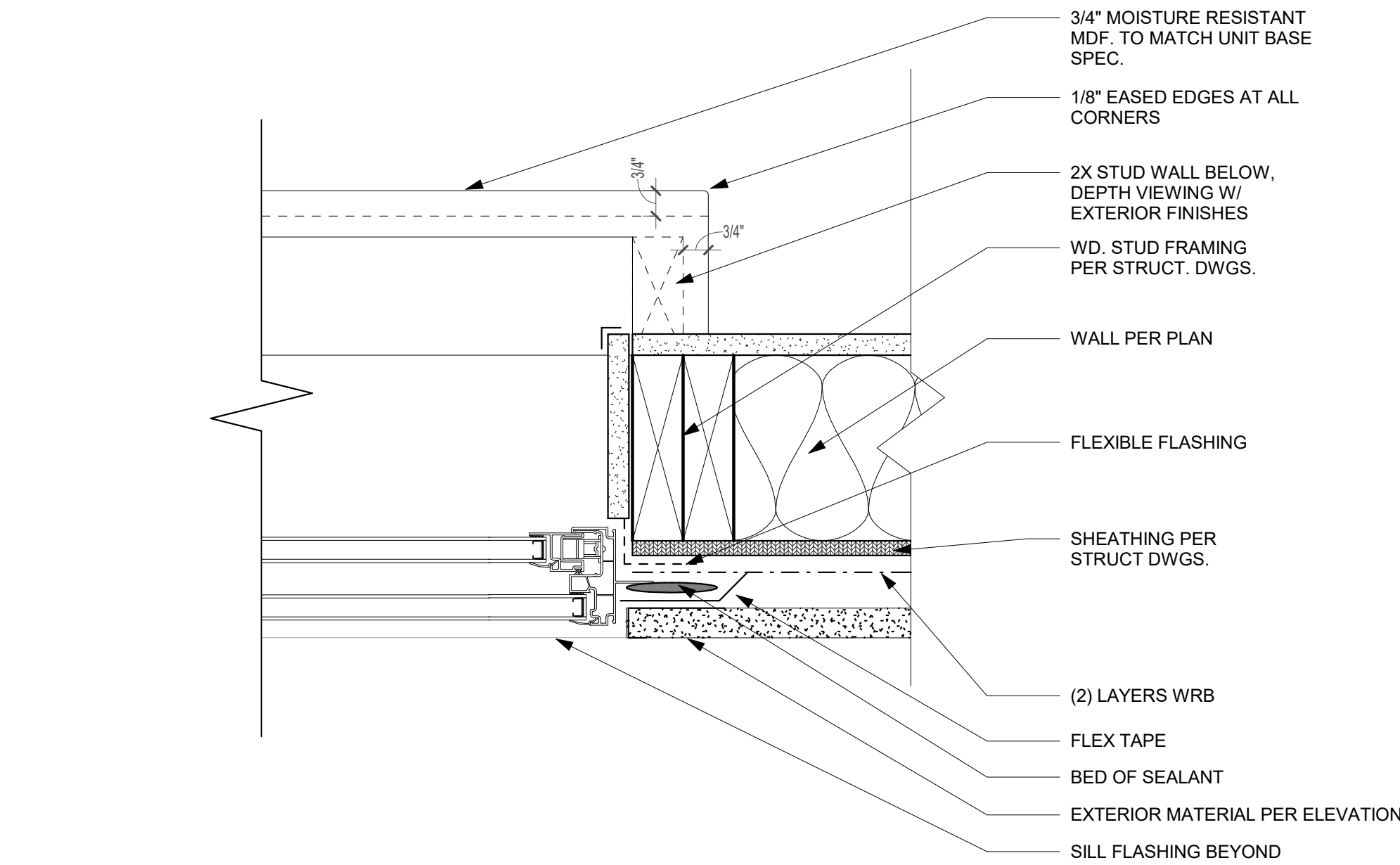
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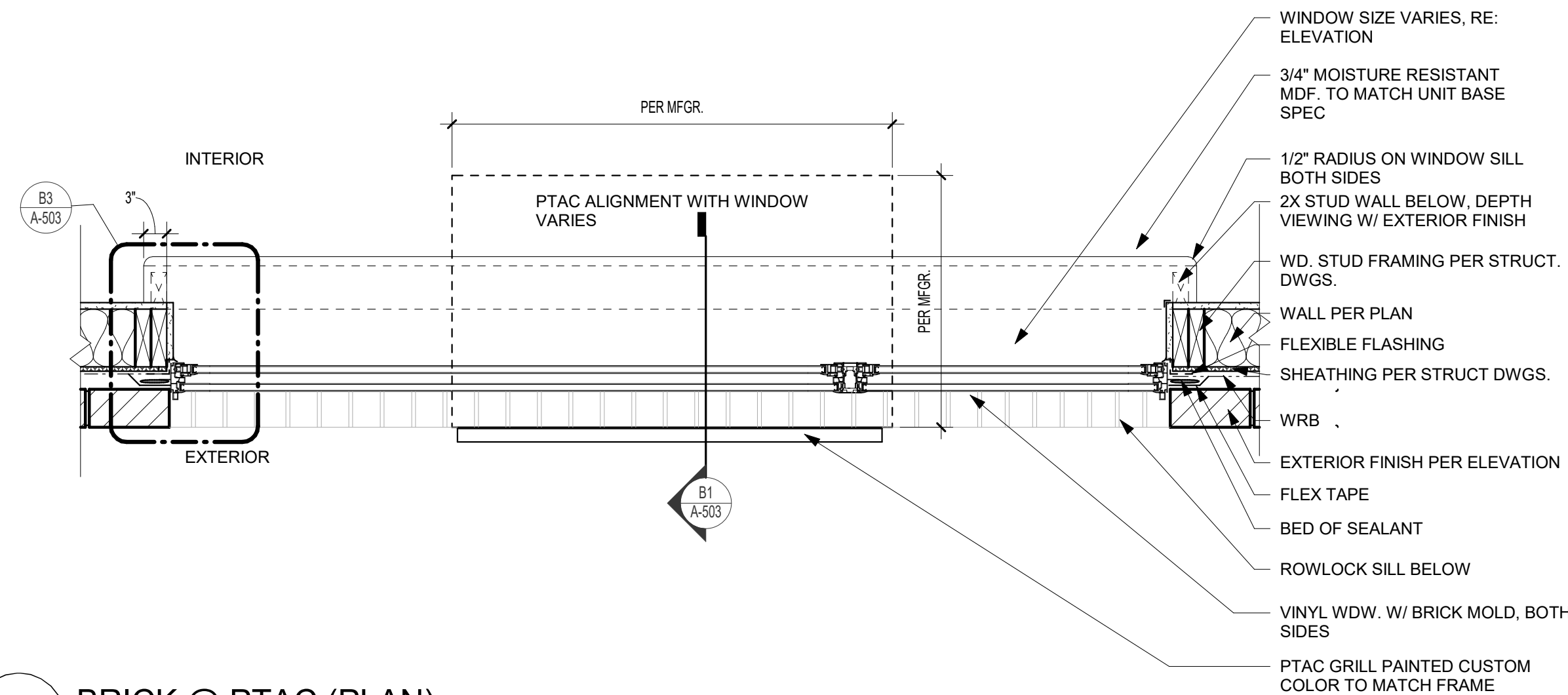
C2 PERGULA CONNECTION
3" = 1'-0"



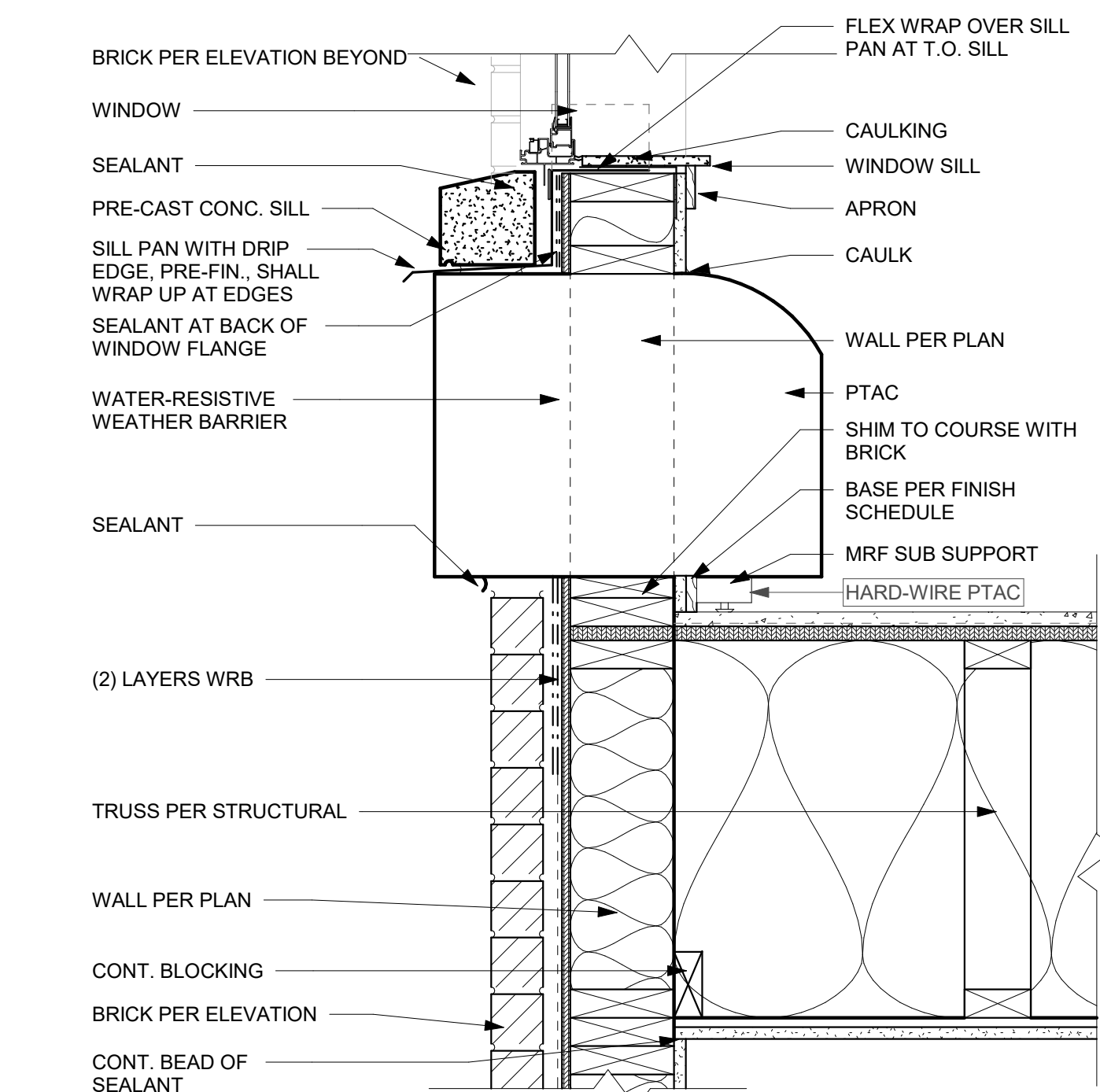
C1 PERGULA SECTION
1 1/2" = 1'-0"



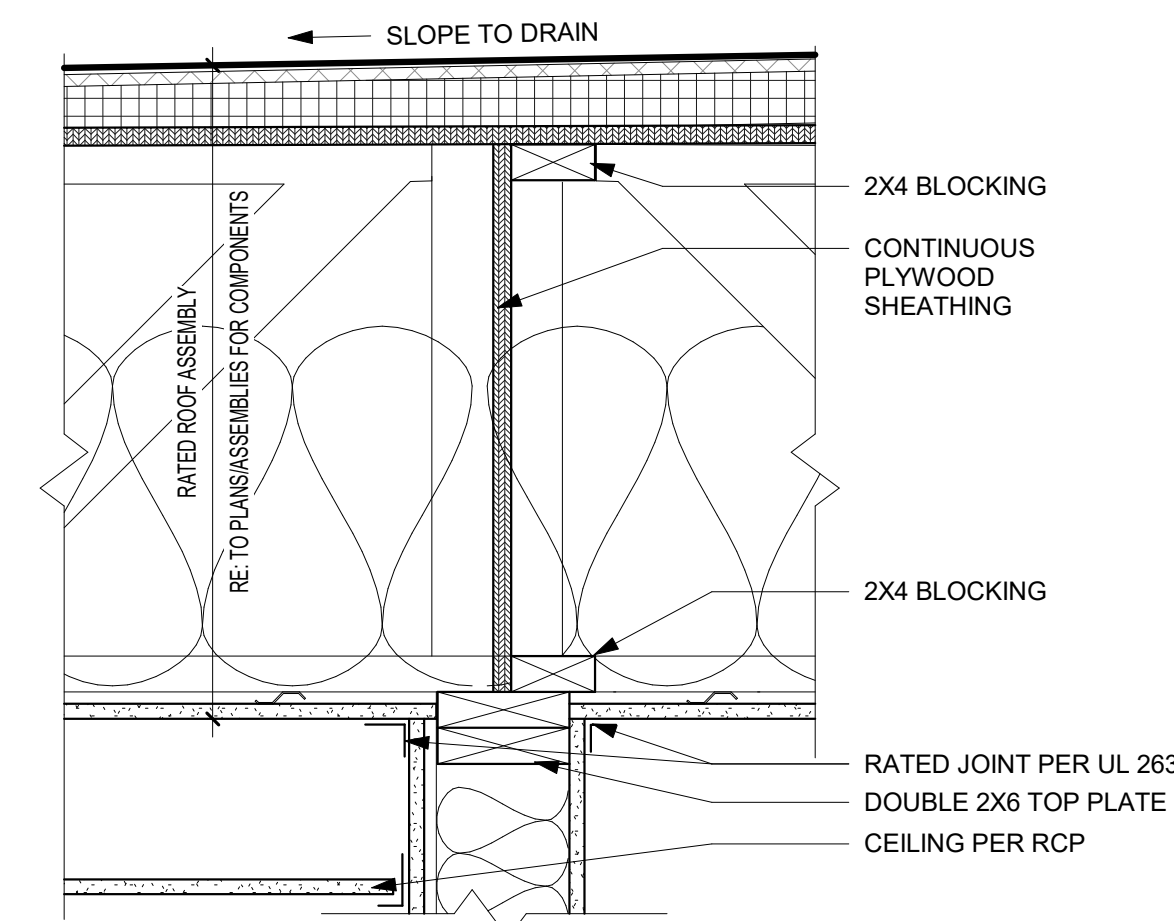
B3 WINDOW/INTERIOR - TRIM @ WINDOW JAMB
3" = 1'-0"



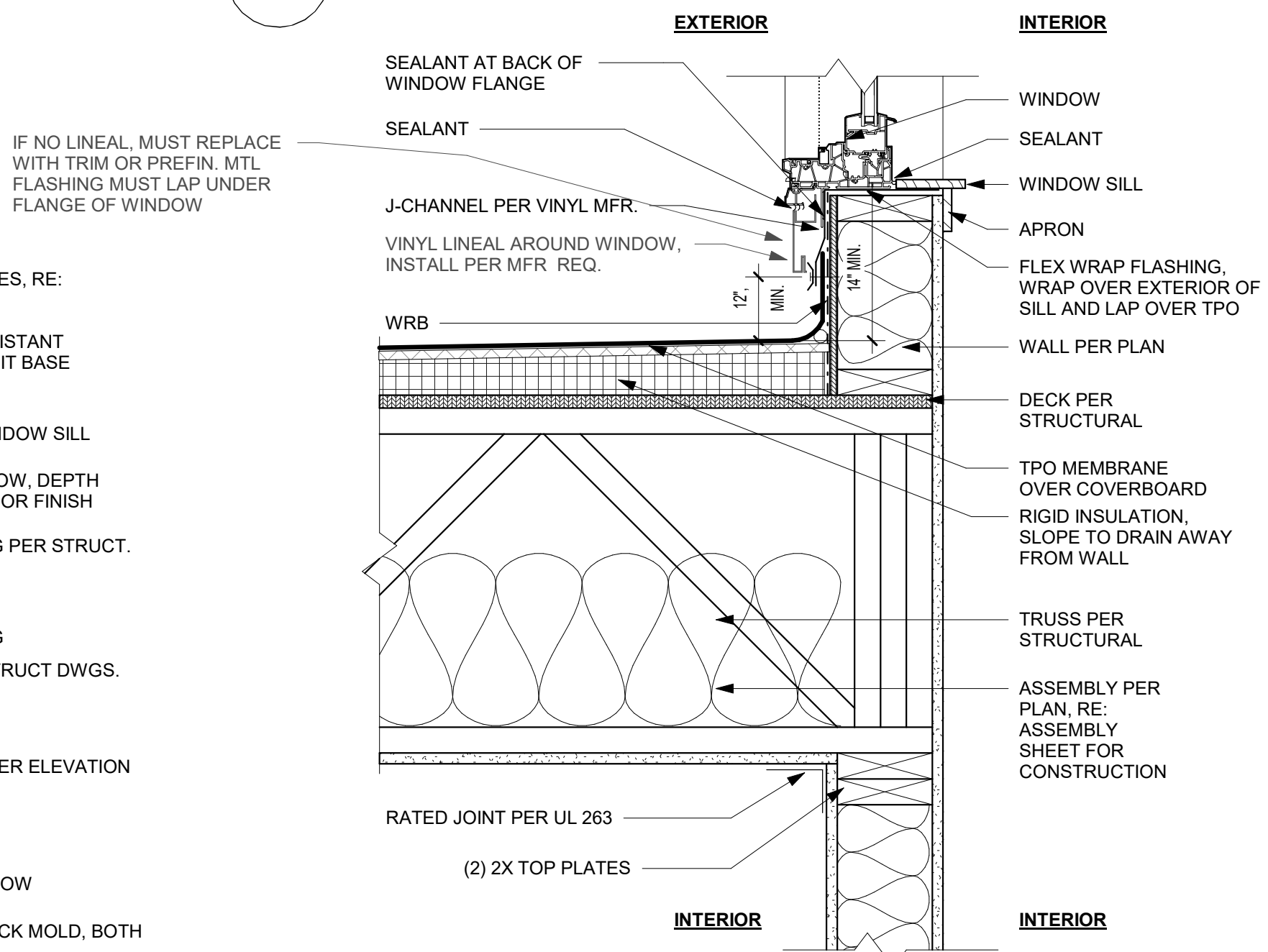
B2 BRICK @ PTAC (PLAN)
1" = 1'-0"



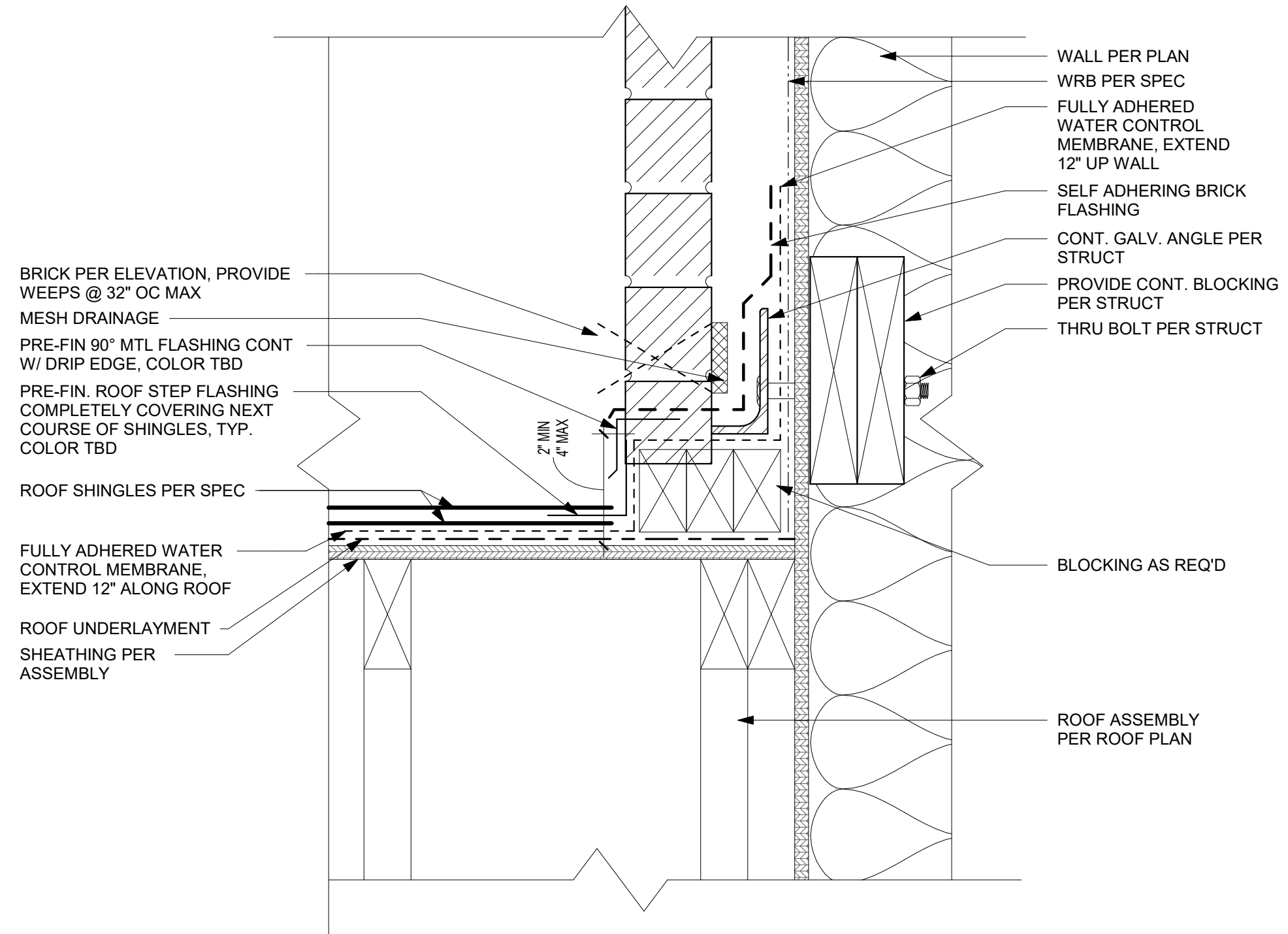
B1 BRICK @ PTAC (SECTION)
1 1/2" = 1'-0"



A3 ROOF DRAFT STOPPING (SECTION)
1 1/2" = 1'-0"



A2 WINDOW SILL @ DECK
1 1/2" = 1'-0"

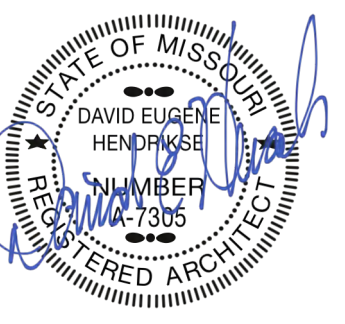


A1 THROUGH WALL FLASHING @ ROOF
3" = 1'-0"

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REVISIONS:

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TOWNEPLACE SUITES

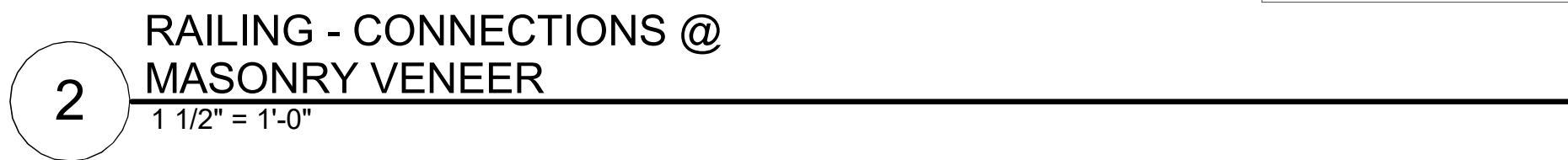
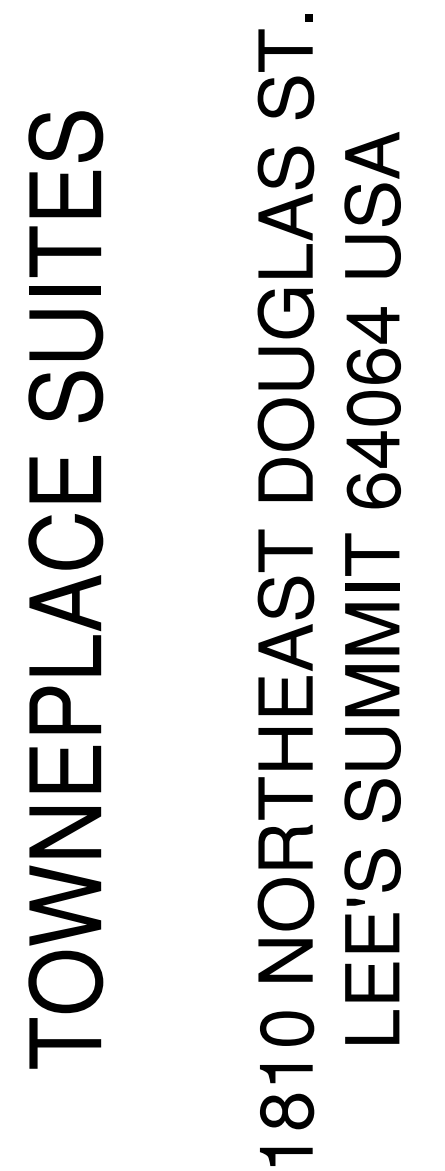
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
DETAILS

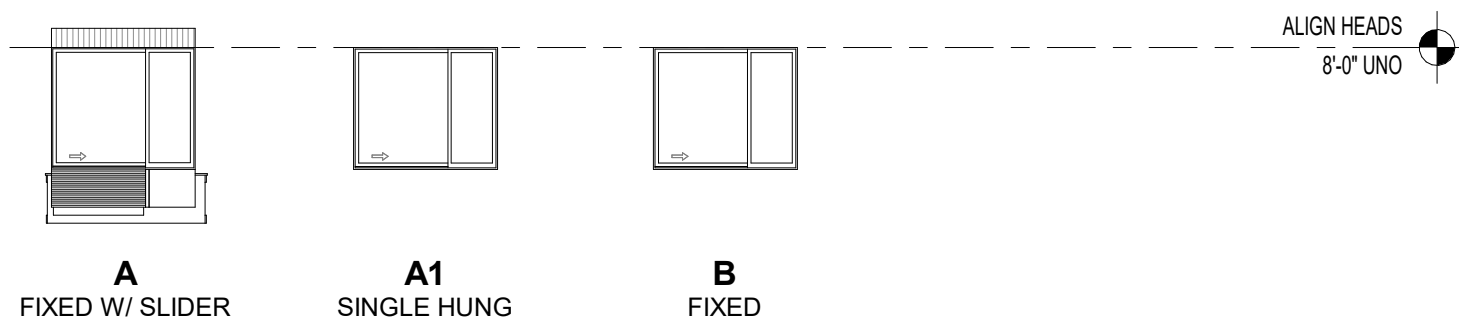
PROJECT NUMBER: 23098

SHEET NUMBER:

A-503

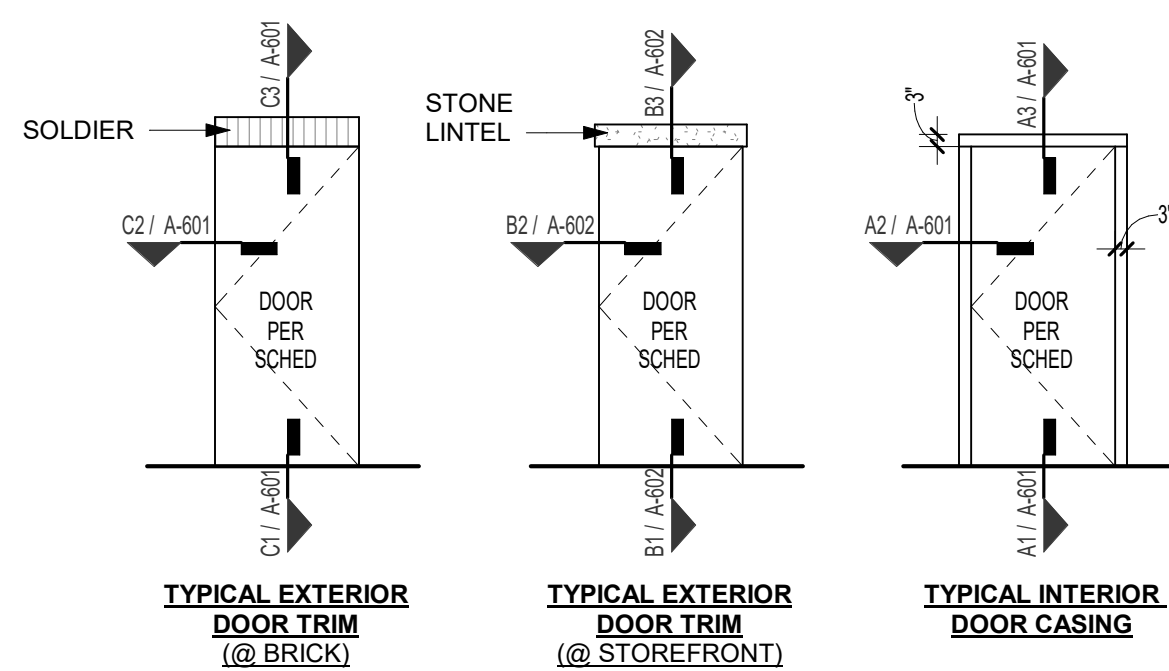


WINDOW TYPES



WINDOW SCHEDULE						
TYPE	DESCRIPTION	LOCATION	HEIGHT	WIDTH	FRAME MATERIAL	COMMENTS
A	FIXED W/ HORIZONTAL SLIDER	TYP. GUESTROOM	5' - 1"	6' - 0"	ALUMINUM	SET SLIDER TO NOT OPEN MORE THAN 4"
A1	FIXED W/ HORIZONTAL SLIDER	EMPLOYEE BREAKROOM	5' - 1"	6' - 0"	ALUMINUM	SET SLIDER TO NOT OPEN MORE THAN 4"
B	FIXED	CORRIDOR	5' - 1"	6' - 0"	ALUMINUM	
B	FIXED	STAIRS	5' - 1"	6' - 0"	ALUMINUM	

DOOR SCHEDULE - UNIT DOORS - COORDINATION ONLY - SEE UNIT PLANS									
Mark	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments	Unit vs Public	*Typical Doors
-	3' - 0"	6' - 8"	1 3/4"		A2			U	(none)
000	3' - 0"	6' - 8"	1 3/4"	20	A2	HM		U	(none)
000A	3' - 0"	6' - 8"	1 3/4"	45	A2			U	(none)
004	3' - 0"	7' - 0"	1 3/4"		A3	HM		U	(none)
Lockout	3' - 0"	6' - 8"	1 3/4"		A2			U	(none)

A1 DOOR TRIM & CASING - TYPICAL
1/4" = 1'-0"

PUBLIC ROOM FINISH COMMENTS:

- PAINT BULKHEADS
-

GENERAL NOTES:

- BASE FINISH
- RB-1 = VINYL TOED/TOELESS - STANDARD COLOR

DOOR SCHEDULE ABBREVIATIONS:

ALUM	ALUMINUM	FGL / FBG	FIBERGLASS	N/A	NOT APPLICABLE	STL	NOT APPLICABLE
ANO	ANODIZED	HC WOOD / HCWD	HOLLOW CORE WOOD	PER MFR	PER MANUFACTURER	WD CLAD	WOOD CLAD
BLK	BLACK	HM	HOLLOW METAL	PRE-FIN	PRE-FINISHED		
BRZ	BRONZE	INSUL MTL	INSULATED METAL	PT / PTD	PAINTED		
CLR	CLEAR	MTL	METAL	SC WOOD / SCWD	SOLID CORE WOOD		

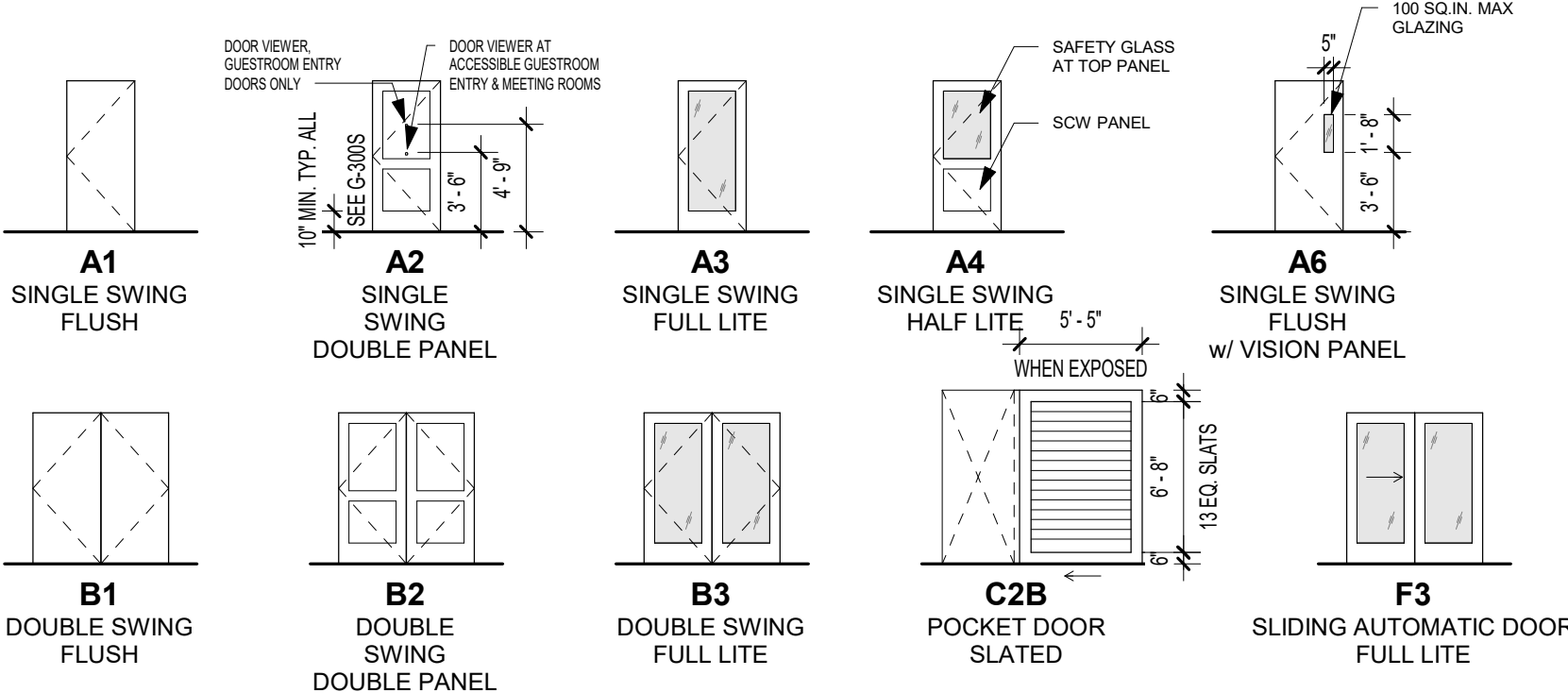
WINDOW COMMENTS:

- GLAZING DEEMED TO BE IN A HAZARDOUS LOCATION SHALL BE TEMPERED / SAFETY GLAZING.
- EACH PANE OF SAFETY GLAZING INSTALLED IN HAZARDOUS LOCATIONS SHALL BE IDENTIFIED BY MFR'S DESIGNATION.
- CONFIRM OPERATION OF SASH LOCKS AT "TYPE A" UNITS WILL BE WITHIN 48" REQUIRED REACH RANGE PER XX / XX
- ALL WINDOWS IN PUBLIC SPACES SHALL RECEIVE TRIM PER XX / XX
- SEE XX / XX FOR EXTERIOR WINDOW & DOOR TRIM
- REFER TO CODE SHEET FOR ALL FIRE RATINGS
- WINDOWS ON AND ABOVE SECOND FLOOR MUST HAVE WINDOW LIMITERS PER
- WINDOW LOCATIONS PER PLANS
- 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 SHALL BE 5.0 POUNDS (22.2 N) MAXIMUM
- PROVIDE WINDOW OPENING CONTROL DEVICES (WOODS) THAT COMPLY WITH ASTM F2090
- WINDOW HEADERS TO ALIGN WITH ADJACENT DOOR HEADERS; UNO

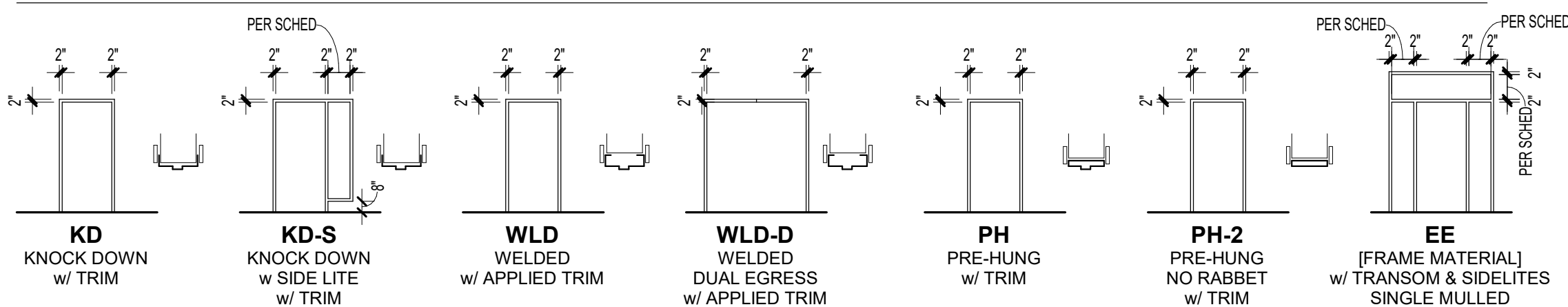
DOOR COMMENTS:

- BOTTOM RAIL TO BE MINIMUM 10" TO ALLOW FOR A 10" KICK PLATE; TYPICALL ALL DOORS.
- ALL DOORS TO BE 1-3/4" THICK, UNO.
- SEE SPECIFICATIONS FOR DOOR HARDWARE SCHEDULE; FINAL HARDWARE SCHEDULE AND FINAL GROUPS TO BE DETERMINED BY DOOR SUB CONTRACTOR. VERIFY FINAL HARDWARE INSTALLATION WITH CLIENT AND ARCHITECT.
- DOOR HARDWARE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST. RATE.
- ALL DOOR HARDWARE TO BE LEVER TYPE HARDWARE, UNO.
- DOOR HARDWARE TO BE CENTERED ON RAIL OF PANEL DOORS.
- DOOR FRAMES TO BE FINISHED PER SCHEDULE.
- EXTERIOR PAINT COLOR TO MATCH ADJACENT EXTERIOR MATERIALS.
- TOPS AND BOTTOMS OF ALL HOLLOW METAL DOORS EXPOSED TO WEATHER TO BE PATINED.
- ALLOW FOR PLASTIC LAMINATE FACES AT DOOR FRAMES. ADJUST HINGES AS NEEDED.
- VERIFY KEYING SCHEDULE WITH OWNER. ALL KEYS TO BE GIVEN TO OWNER AT SUBSTANTIAL COMPLETION.
- NO HINGE-MOUNTED DOOR STOPS.
- ALL COMMON AREA RATED DOORS TO HAVE SMOKE SEALS (GASKETS), CLOSURES, AND LATCH HARDWARE.
- PROVIDE SPACER AT UNIT ENTRY DOOR GUARDS TO CLEAR DOOR TRIM.
- UNIT ENTRY DOORS TO HAVE SPRING HINGES & LATCH HARDWARE, TYP UNO.
- ALL DOORS INTENDED FOR PASSAGE TO HAVE 32" MIN. CLEAR WIDTH PER ICC ANSI A117.1

DOOR TYPES



FRAME TYPES



DOOR SCHEDULE - COMMON AREA DOORS

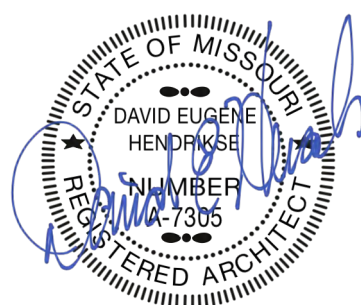
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Panic Hardware	Door		Frame		Comments
							Door Type	Door Material	Door Finish	Frame Type	Frame Finish
T.O. 1st FLOOR SLAB											
1000A	VESTIBULE	8' - 0"	7' - 0"	1 3/4"		No	F3	ALUM	PRE-FIN	ALUM	PRE-FIN
1000B	LOBBY	8' - 0"	7' - 0"	1 3/4"		No	F3	ALUM	PRE-FIN	ALUM	PRE-FIN
1002A	GENERAL MANAGER	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
1002B	GENERAL MANAGER	3' - 0"	6' - 8"	1 3/4"		No	A2	WD	PTD	HM	PTD
1003	WORK ROOM	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
1003.1	WORK ROOM	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
1003A	WORK ROOM	6' - 0"	6' - 8"	1 3/4"		No	B2	WD	PTD	HM	PTD
1003B	SALES OFFICE	3' - 0"	6' - 8"	1 3/4"		No	A2	WD	PTD	HM	PTD
1003C	WORK ROOM	3' - 6"	6' - 8"	1 3/4"		No	B2	WD	PTD	WD	PTD
1003D	WORK ROOM	3' - 6"	6' - 8"	1 3/4"		No	B2	WD	PTD	WD	PTD
1003D.1	WORK ROOM	3' - 6"	6' - 8"	1 3/4"		No	B2	WD	PTD	WD	PTD
1003E	WORK ROOM	3' - 0"	6' - 8"	1 3/4"		No	A2	WD	PTD	HM	PTD
1004	MEETING ROOM	3' - 0"	6' - 8"	1 3/4"	20	No	A2	WD	PTD	HM	PTD
1005	GUEST LAUNDRY	3' - 0"	6' - 8"	1 3/4"	20	No	A4	SC WOOD	PTD	HM	PTD
1007	EMPLOYEE BREAK	3' - 0"	6' - 8"	1 3/4"		No	A2	SC WOOD	PTD	HM	PTD
1008	HOUSE LAUNDRY	4' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
1008A	HOUSE LAUNDRY	6' - 0"	6' - 8"	1 3/4"		No	B1	HM	PTD	HM	PTD
1008B	HOUSE LAUNDRY	3' - 0"	6' - 8"	1 3/4"		No	A1	HM	PTD	HM	PTD
1008C	HOUSE LAUNDRY	2' - 0"	2' - 0"	1 3/4"	90	No	A1	HM	PTD	HM	PTD
1008D	HOUSE LAUNDRY	2' - 4"	6' - 8"	1 3/4"		No	A1	HM	PTD	HM	PTD
1009	MENS	3' - 0"	6' - 8"	1 3/4"	20	No	A2	HM	PTD	HM	PTD
1010	WOMENS	3' - 0"	6' - 8"	1 3/4"	20	No	A2	HM	PTD	HM	PTD
1011A		3' - 6"	6' - 9 1/2"	1 3/4"		No	A3	ALUM	PRE-FIN	ALUM	PRE-FIN
1012A	POOL RESTROOM	3' - 0"	7' - 0"	1 3/4"		No	A1	HM	PTD	HM	PTD
1012B	POOL STO.	3' - 0"	7' - 0"	1 3/4"		No	A1	HM	PTD	HM	PTD
1012C	POOL EQUIPMENT	3' - 0"	7' - 0"	1 3/4"		No	A1	HM	PTD	HM	PTD
1012D		3' - 0"	5' - 0"				138				
1012E		3' - 0"	5' - 0"				138				
1012F		3' - 0"	5' - 0"				138				
1014	ELEVATOR LOBBY	3' - 0"	7' - 0"	1 3/4"	20	No	A3	HM	PTD	HM	PTD
1014A	FITNESS CENTER	3' - 0"	6' - 8"	1 3/4"		No	A1	WD	PTD	WD	PTD
1015	BUFFET	5' - 8"	7' - 9"	1 3/4"		No	C2B	WD	PTD	-	PTD
1016A	FOOD PREP	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
1016B		3' - 0"	7' - 0"	1 3/4"		No	A1	HM	PTD	HM	PTD
1017A	MECH.	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
1017B		3' - 0"	7' - 0"	1 3/4"		No	A1	HM	PTD	HM	PTD
1018A	CORRIDOR	3' - 0"	6' - 8"	1 3/4"	20	Yes	A2	SC WOOD	PTD	HM	PTD
1018B		3' - 0"	7' - 0"	1 3/4"		Yes	A1	HM	PTD	HM	PTD
1019	FLEX	5' - 10 1/2"	6' - 6 1/4"	1 3/4"		No	B3	ALUM	PRE-FIN	ALUM	PRE-FIN
1020	COMMUNITY	3' - 0"	6' - 6 1/4"	1 3/4"		Yes	A3	ALUM	PRE-FIN	ALUM	PRE-FIN
C1-1A	CORRIDOR	3' - 2 1/4"	6' - 9 1/2"	1 3/4"		Yes	A3	ALUM	PRE-FIN	ALUM	PRE-FIN
C1-1B		3' - 0"	6' - 9 1/2"	1 3/4"		Yes	A3	ALUM	PRE-FIN	ALUM	PRE-FIN
DDDD	ELEVATOR LOBBY	3' - 6"	8' - 3 1/2"	1 3/4"		No	A3	ALUM	PRE-FIN	ALUM	PRE-FIN
S1-1A	STAIR 1	3' - 0"	6' - 8"	1 3/4"	90	No	A6	HM	PTD	HM	PTD
S1-1B		3' - 0"	6' - 8"	1 3/4"		Yes	A2	HM	PTD	HM	PTD
S2-1		3' - 0"	7' - 0"	1 3/4"		Yes	A3	HM	PTD	HM	PTD
T.O. 2nd GYPCRETE											
2000	IT SERV.	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
2001	STOR.	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
2002A	LINEN STOR.	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
2002B	LINEN STOR.	2' - 0"	2' - 0"	1 3/4"	90	No	A1	HM	PTD	HM	PTD
2003	LOCKOUT	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
2004	LOCKOUT	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
S1-2	STAIR-1	3' - 0"	6' - 8"	1 3/4"	90	Yes	A6	HM	PTD	HM	PTD
S2-2	STAIR-2	3' - 0"	6' - 8"	1 3/4"	90	Yes	A6	HM	PTD	HM	PTD
T.O. 3rd GYPCRETE											
3000	IT SERV.	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
3001	STOR.	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
3002A	MAINT.	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
3002B	MAINT.	2' - 0"	2' - 0"	1 3/4"	90	No	A1	HM	PTD	HM	PTD
3003	LOCKOUT	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
3004	LOCKOUT	3' - 0"	6' - 8"	1 3/4"	20	No	A2	SC WOOD	PTD	HM	PTD
S1-3	STAIR-1	3' - 0"	6' - 8"	1 3/4"	90	Yes	A6	HM			
S2-3	STAIR-2	3' - 0"	6' - 8"	1 3/4"	90	Yes	A6	HM			
T.O. 4th GYPCRETE											
4000	IT SERV.	3' - 0"	6' - 8"	1 3/4"	20	No	A2				
4001	STOR.	3' - 0"	6' - 8"	1 3/4"	20	No	A2				
4002A	STOR.	3' - 0"	6' - 8"	1 3/4"	20	No	A2				
4002B	STOR.	2' - 0"	2' - 0"	1 3/4"	90	No	A1				
4003	LOCKOUT	3' - 0"	6' - 8"	1 3/4"	20	No	A2				
4004	LOCKOUT	3' - 0"	6' - 8"	1 3/4"	20	No	A2				
S1-4	STAIR-1	3' - 0"	6' - 8"	1 3/4"	90	No	A6				
S2-4	STAIR-2	3' - 0"	6' - 8"	1 3/4"	90	No	A6				

REFERENCE A-601/602 FOR DOOR AND WINDOW DETAILS

PRINTS ISSUED

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REVISIONS:



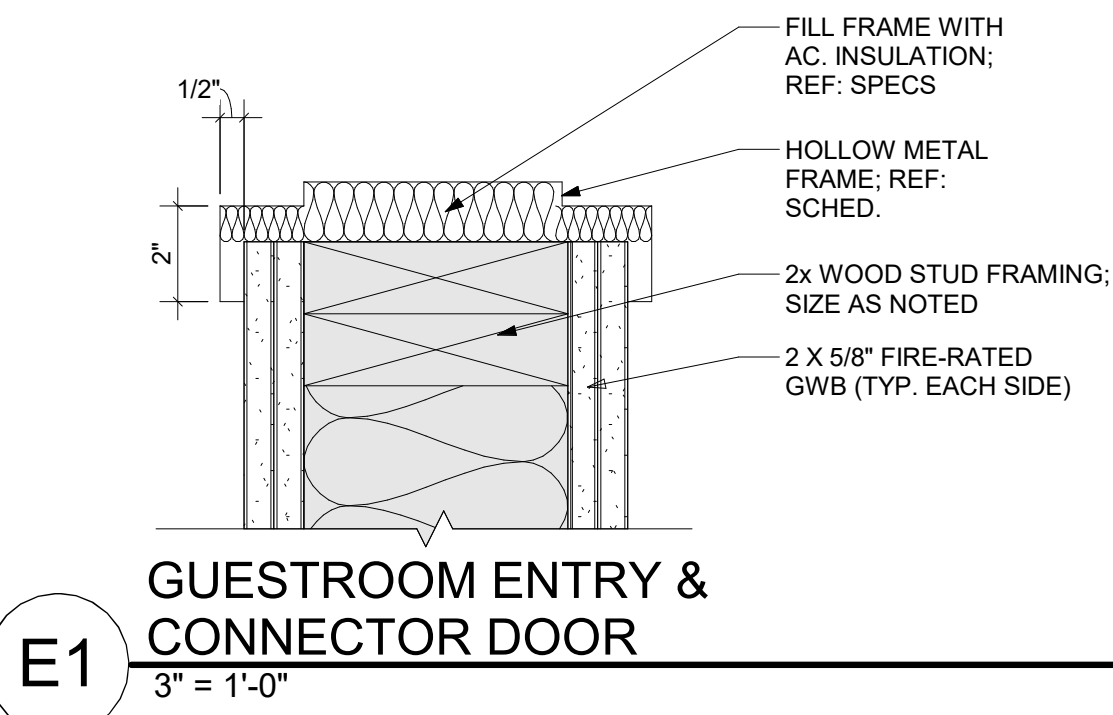
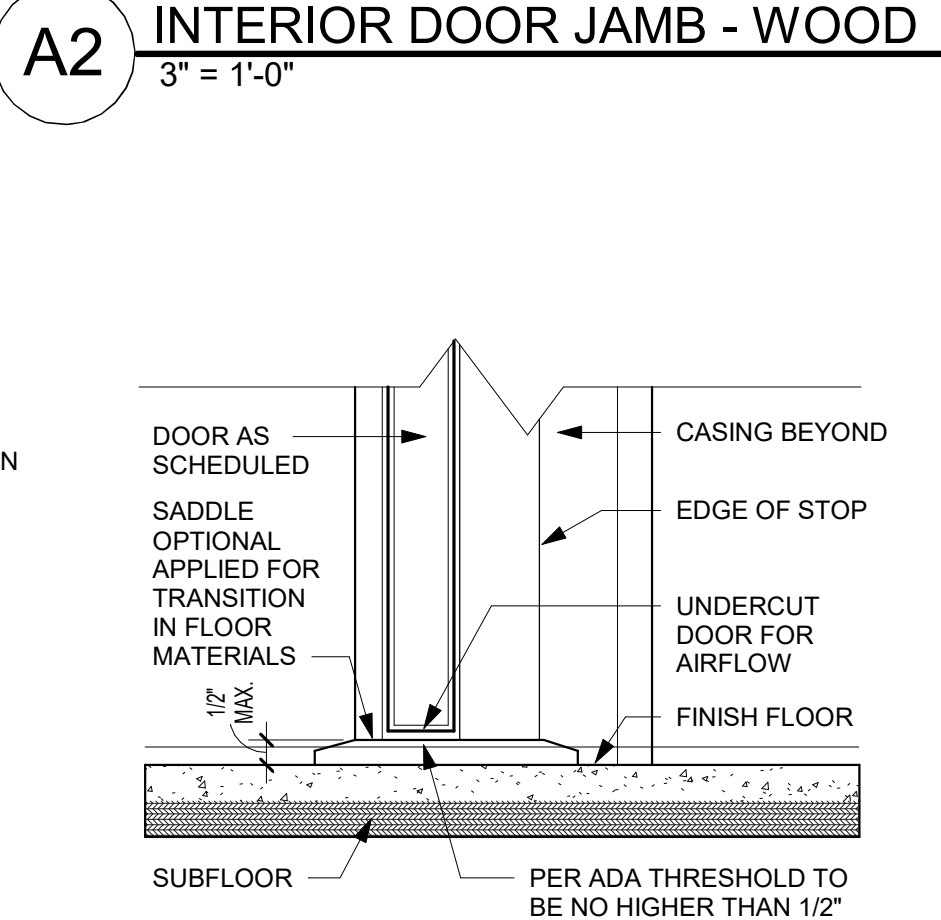
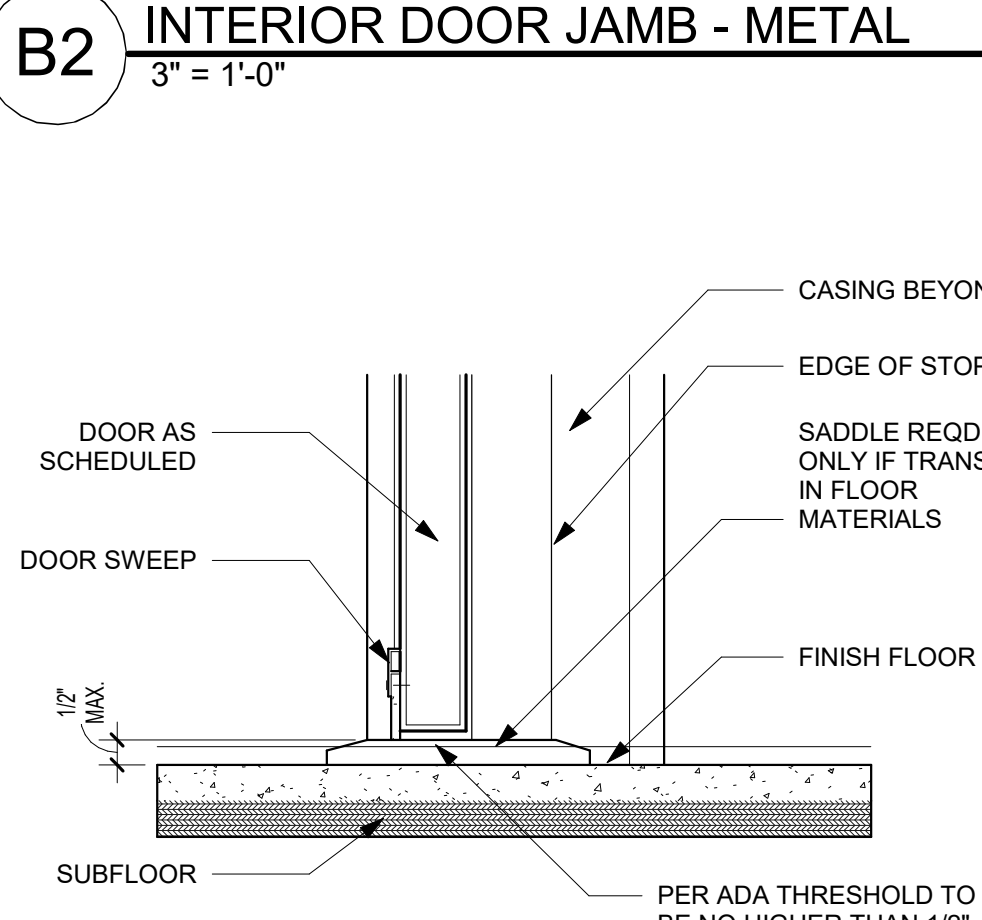
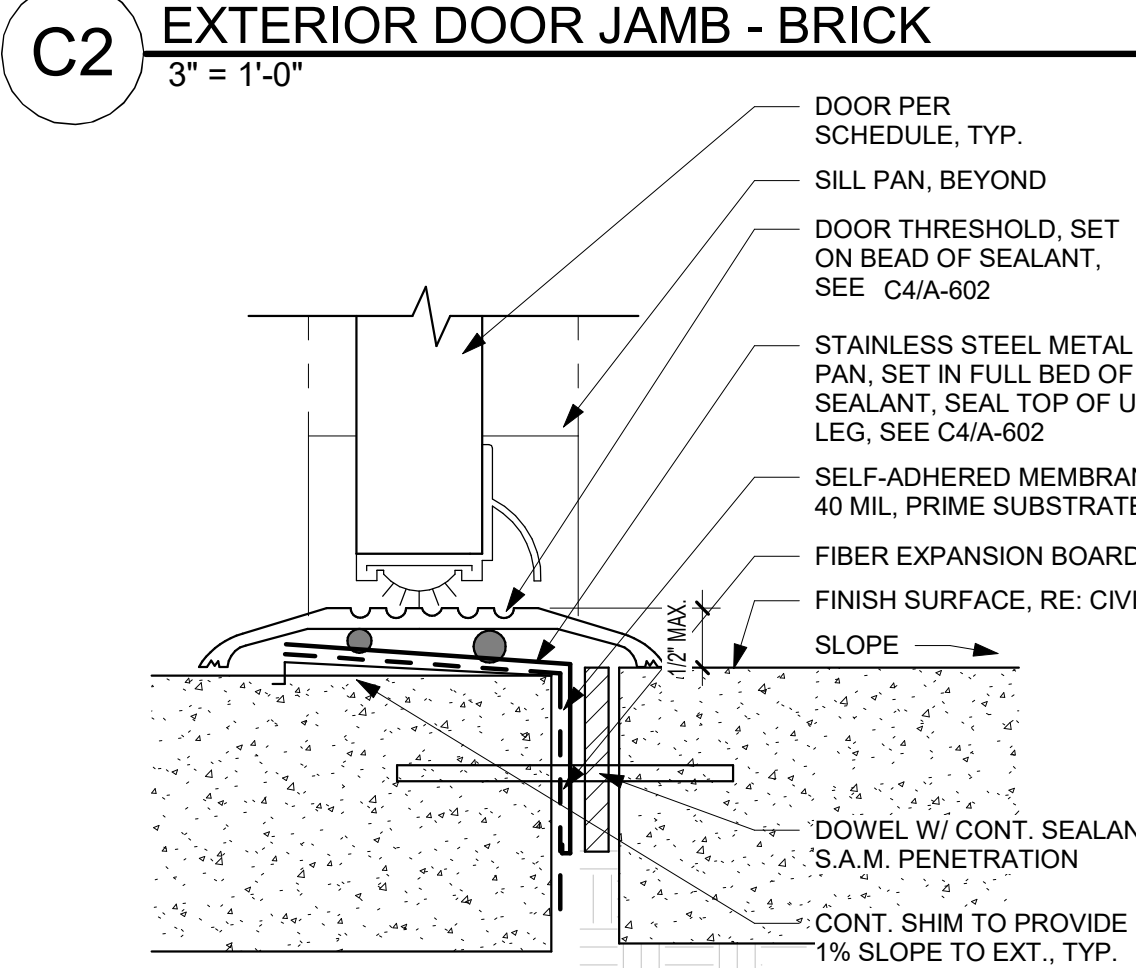
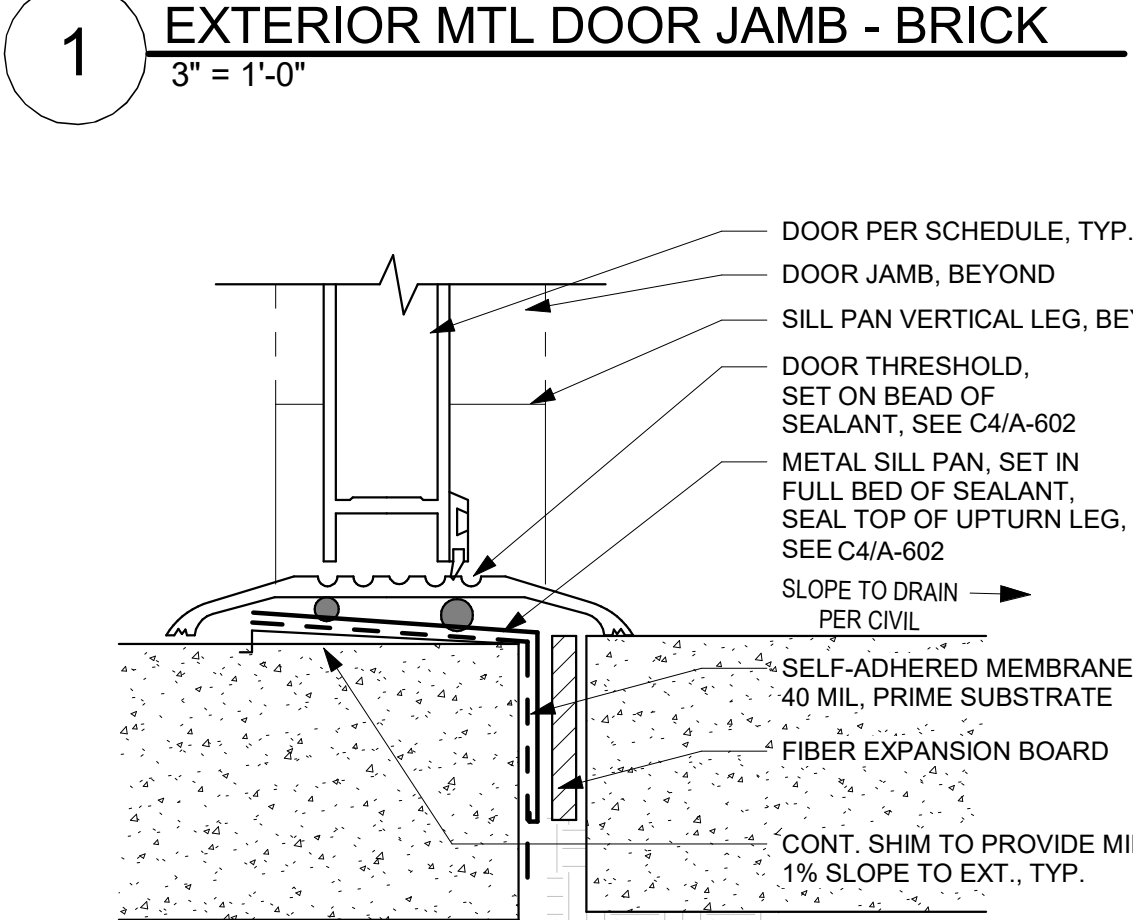
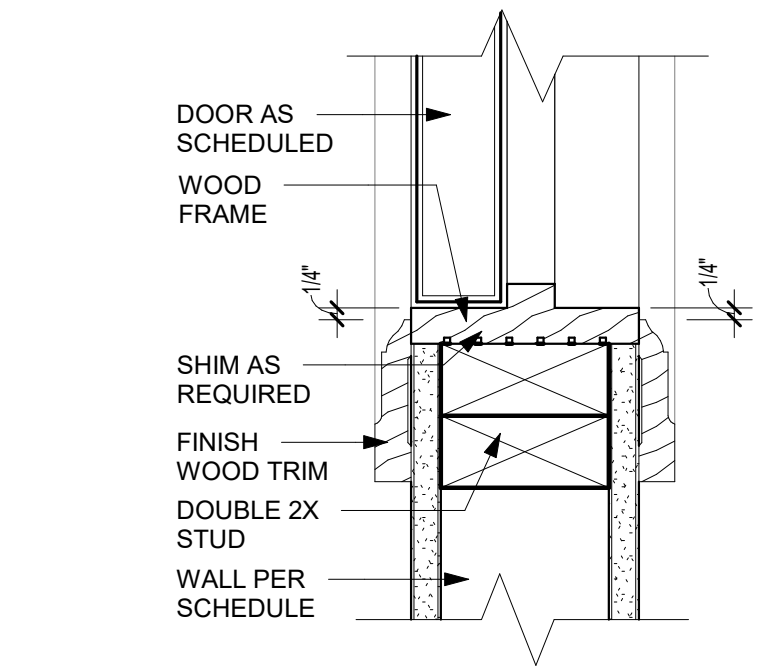
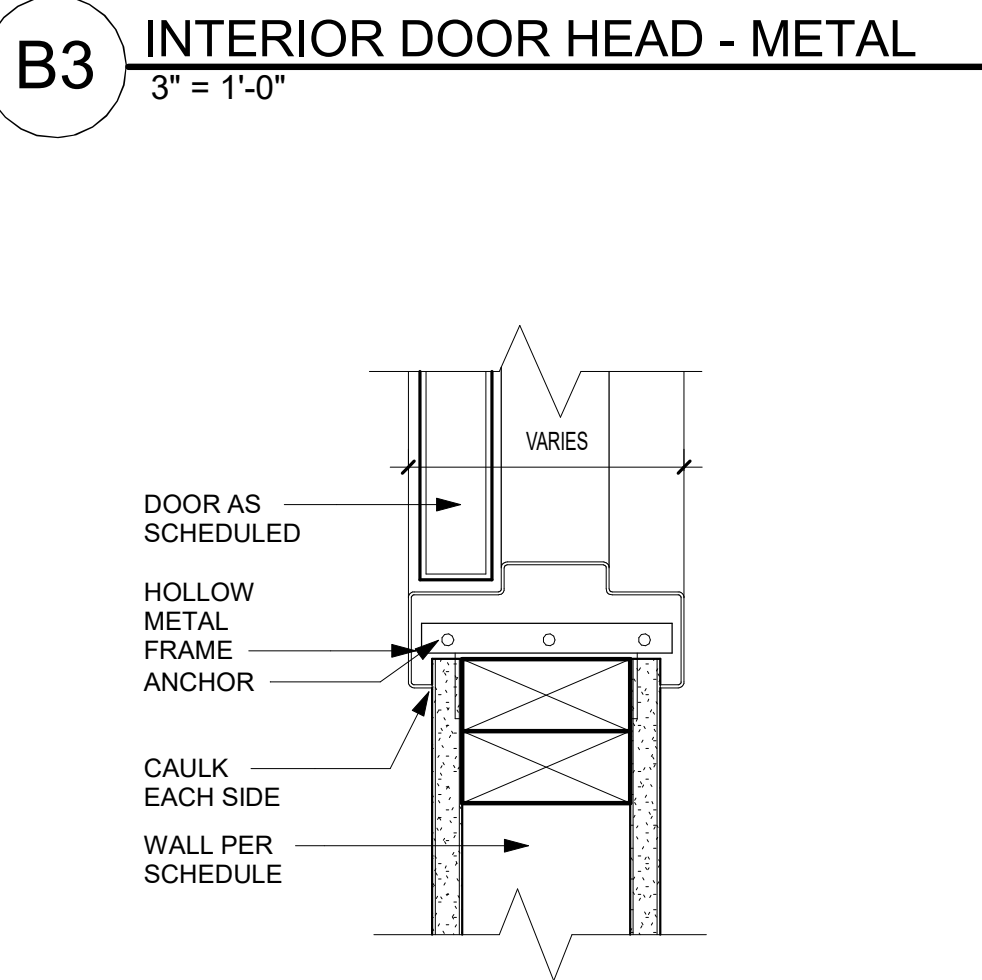
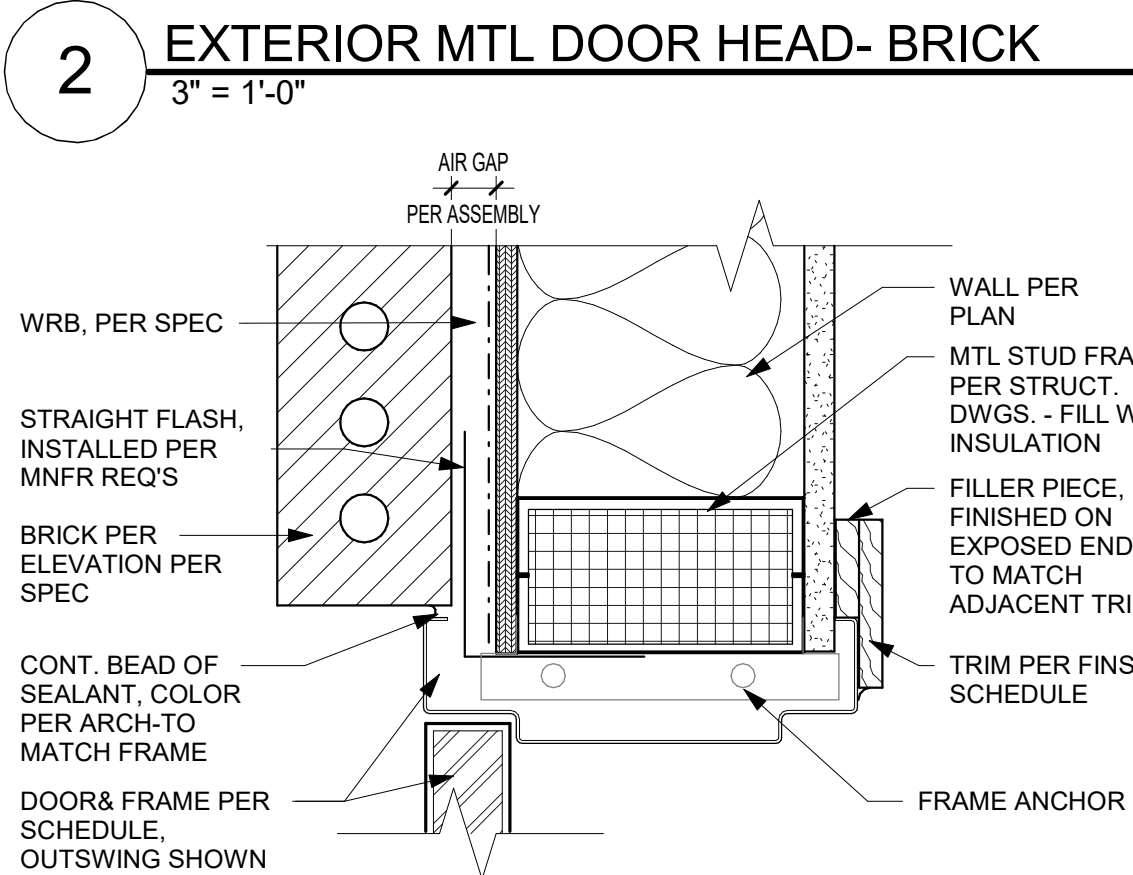
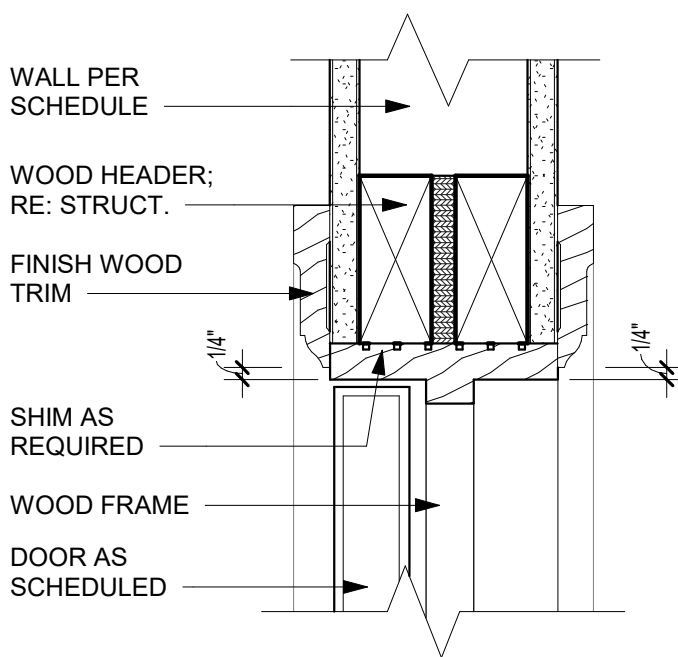
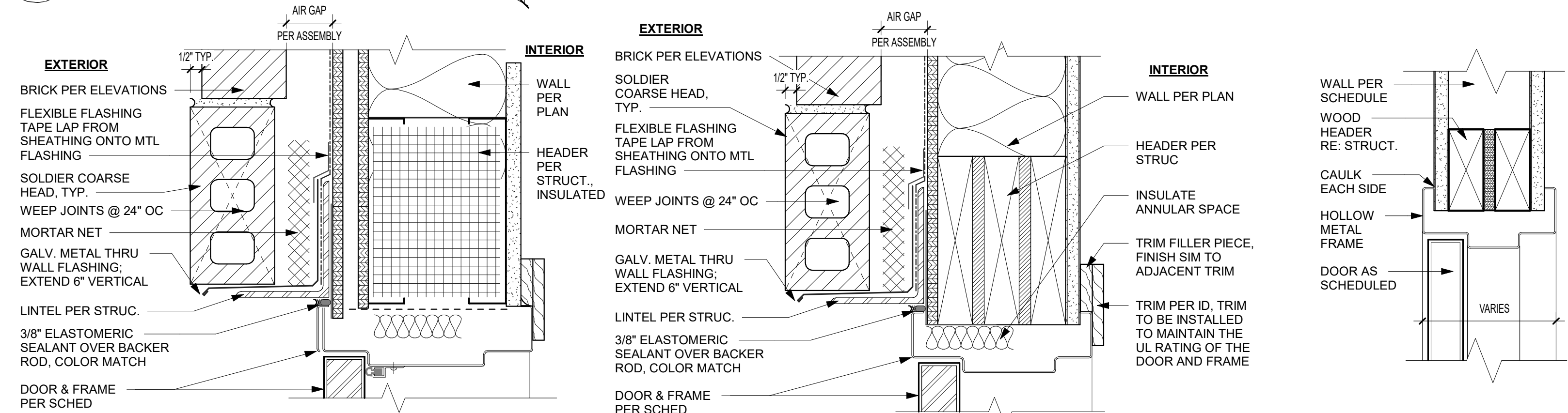
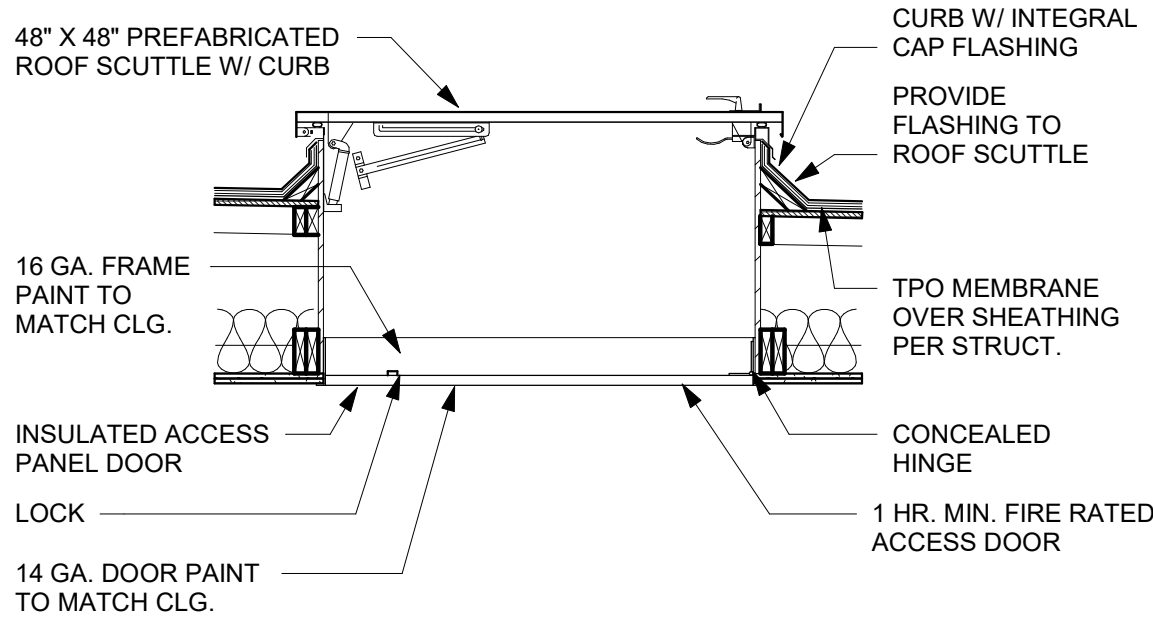
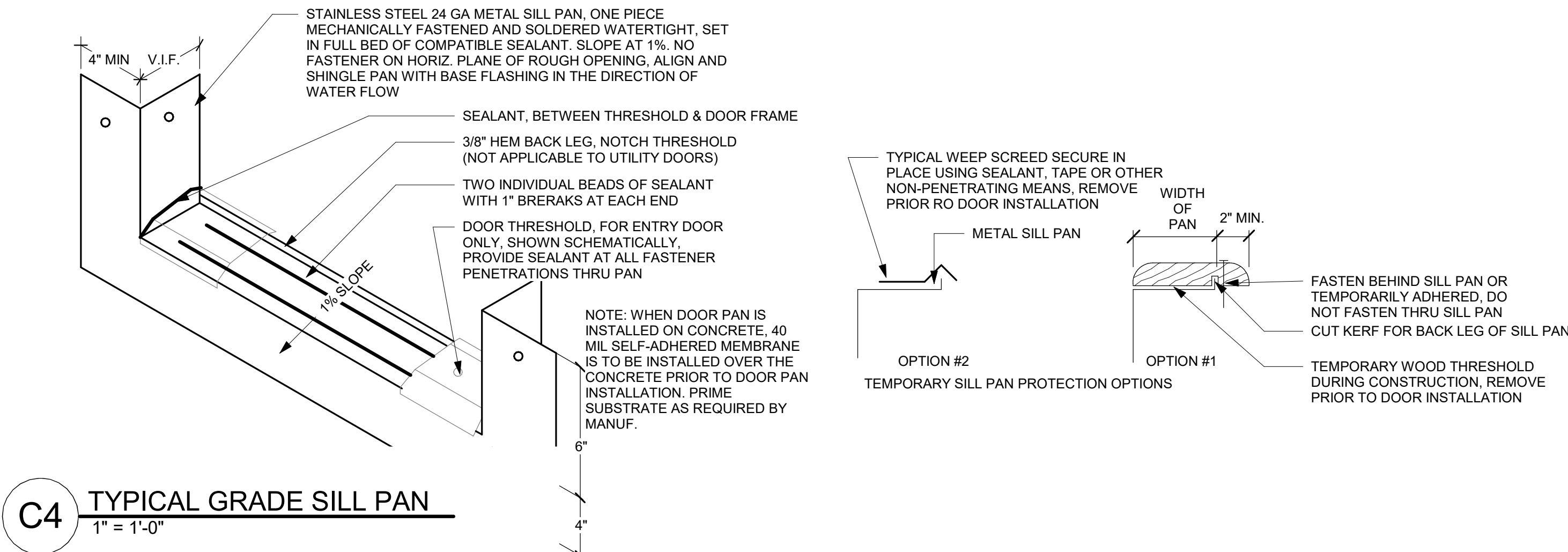
TOWNEPLACE SUITES

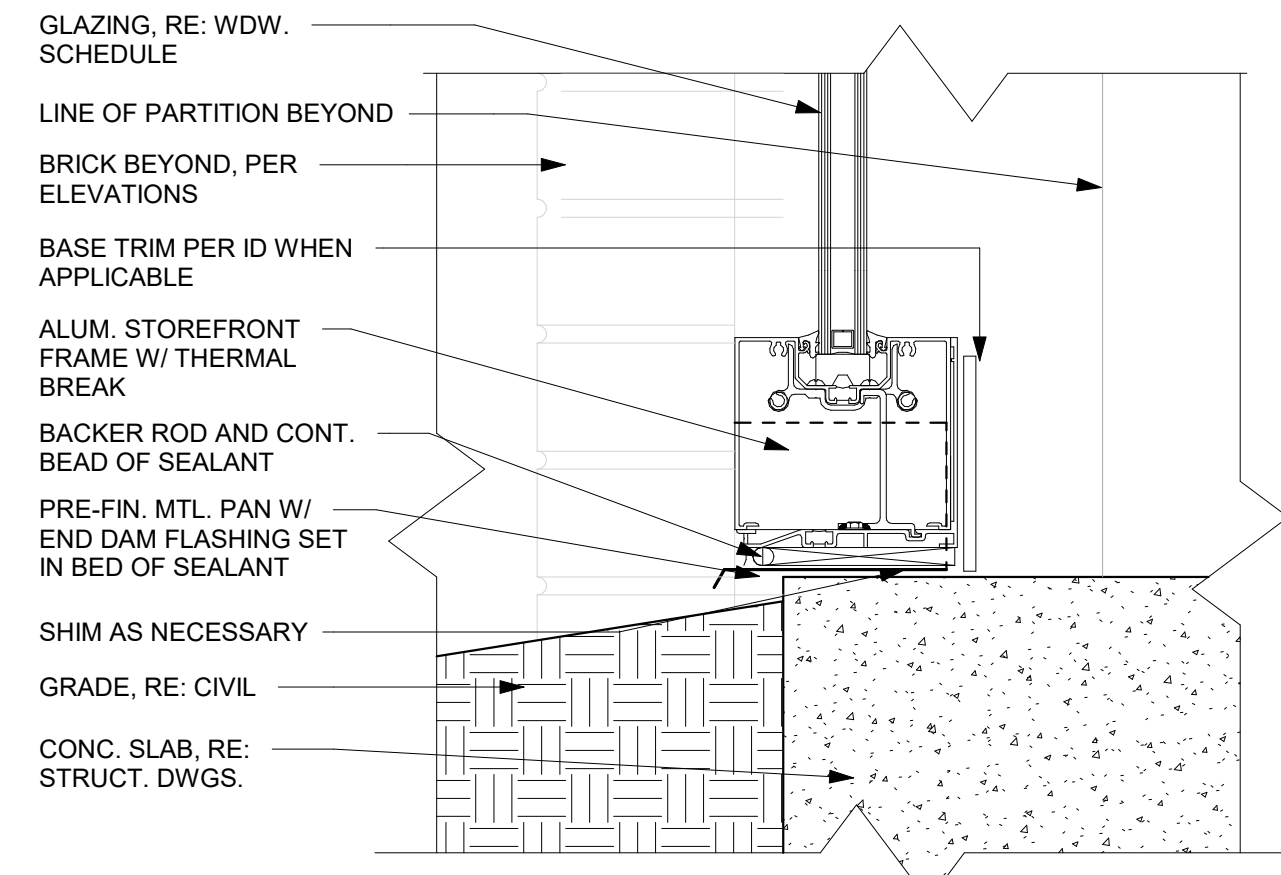
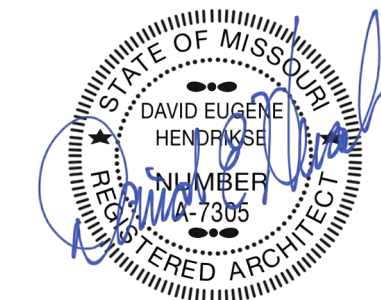
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USASHEET TITLE
WINDOW / DOOR / FINISH
SCHEDULES

PROJECT NUMBER: 23098

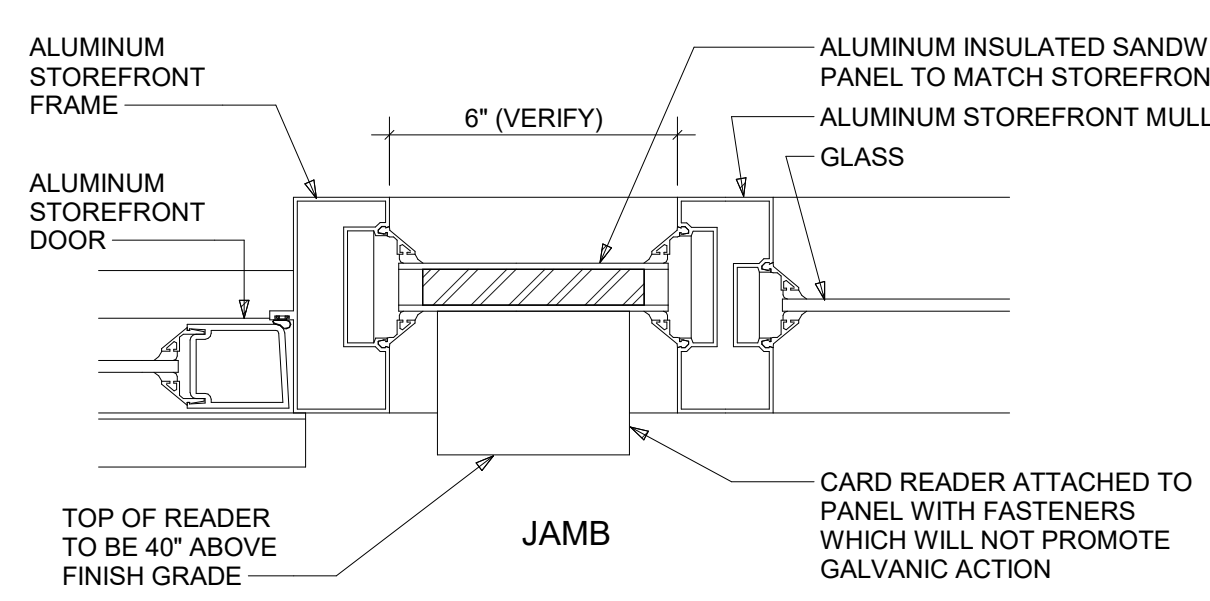
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A-600

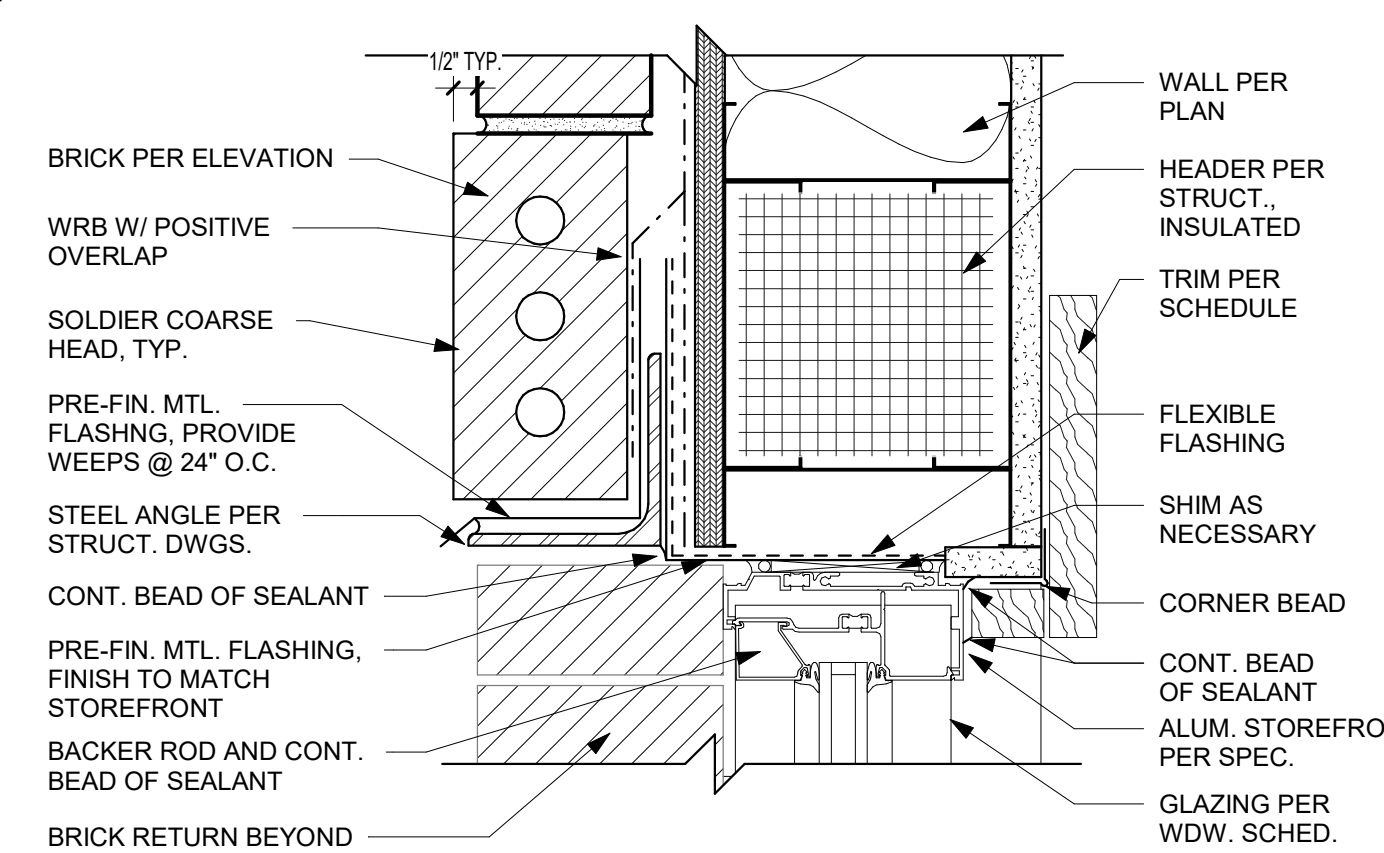




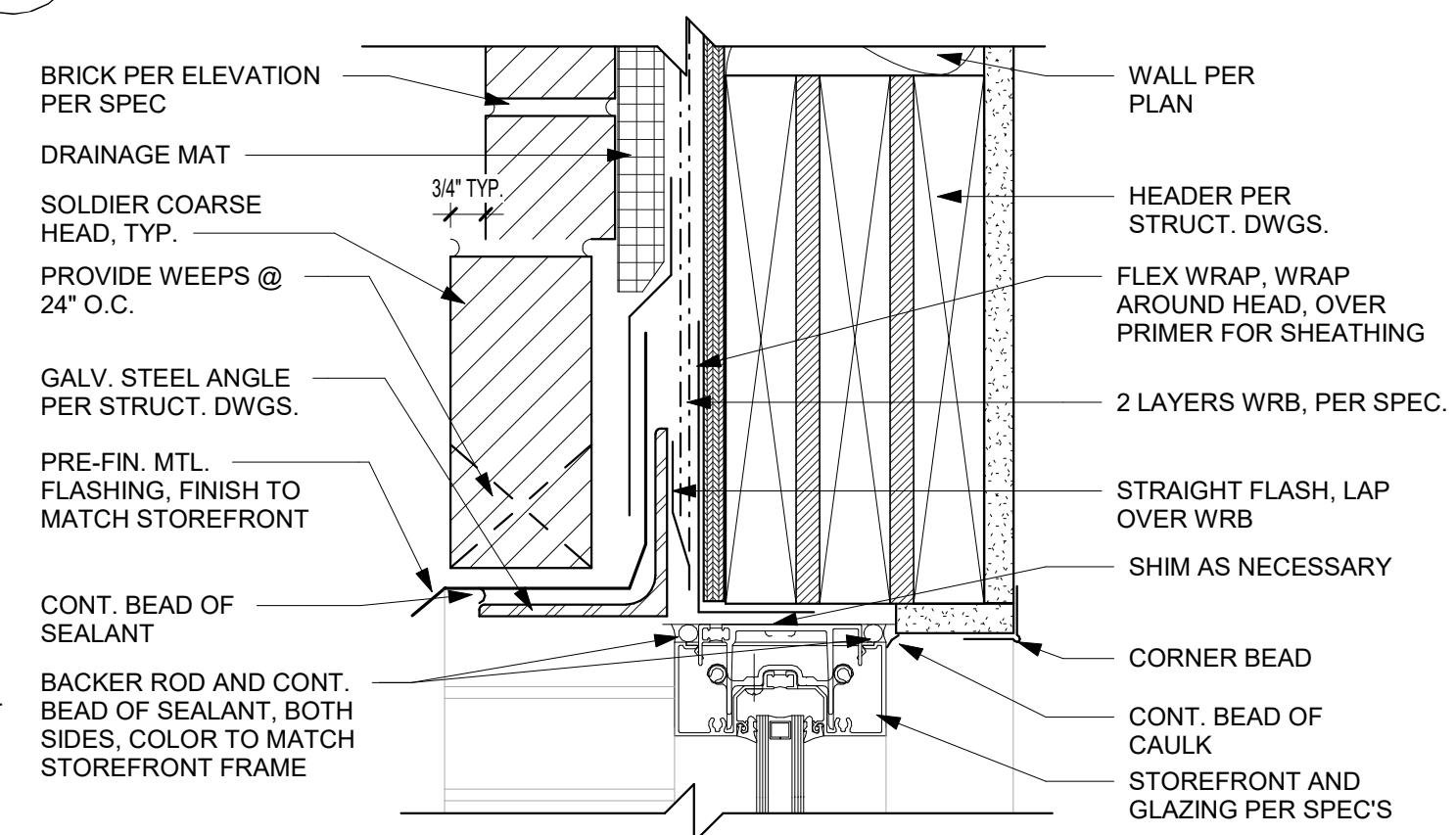
C4 STOREFRONT THRESHOLD - GRADE
3" = 1'-0"



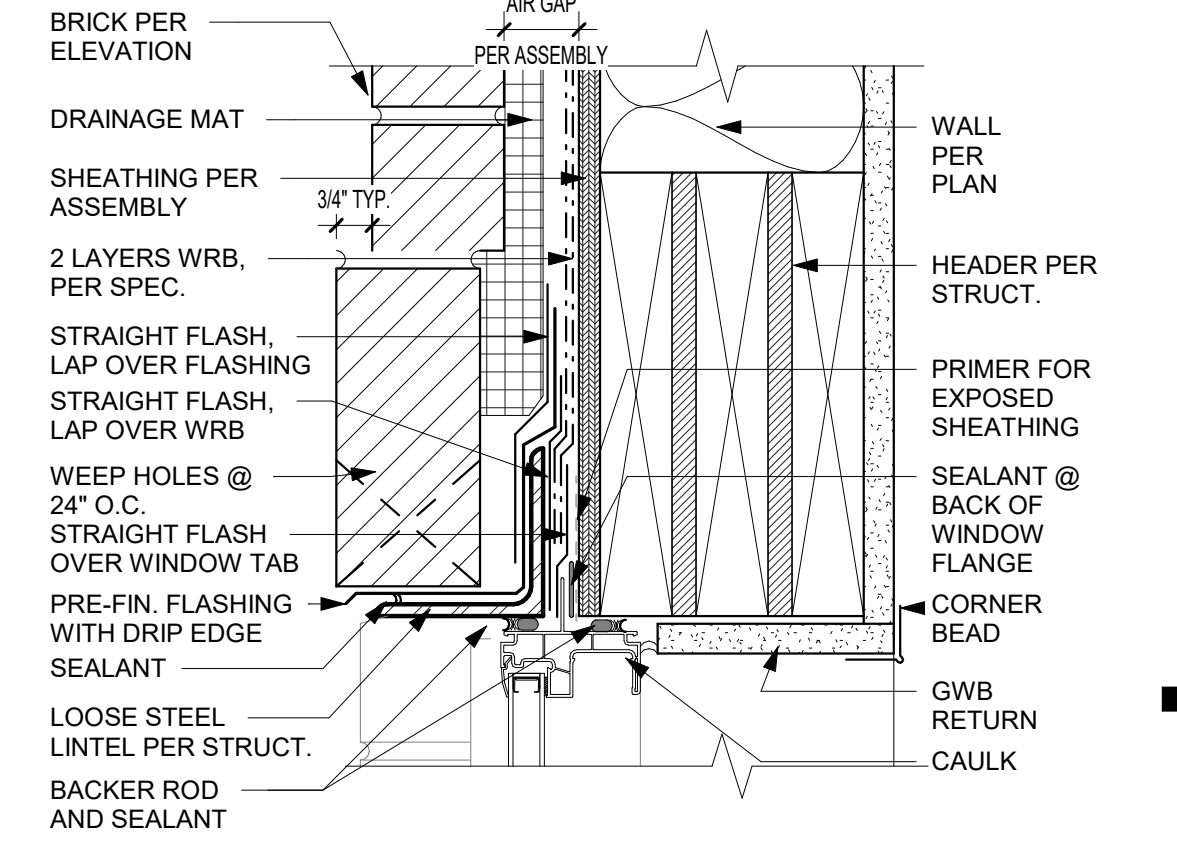
B4 CARD READER @ STOREFRONT DOORS
3" = 1'-0"



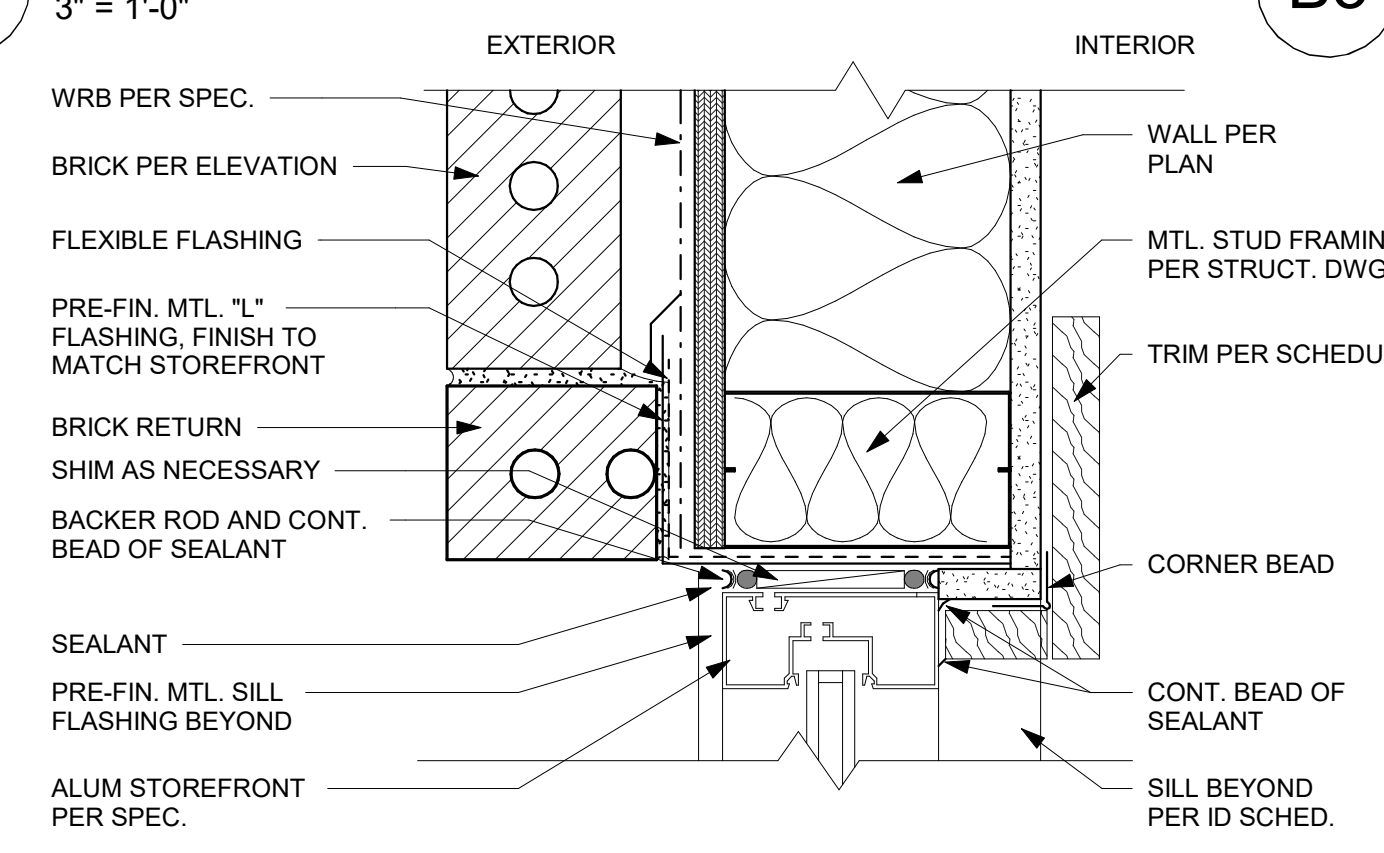
C3 STOREFRONT MTL HEAD - BRICK
3" = 1'-0"



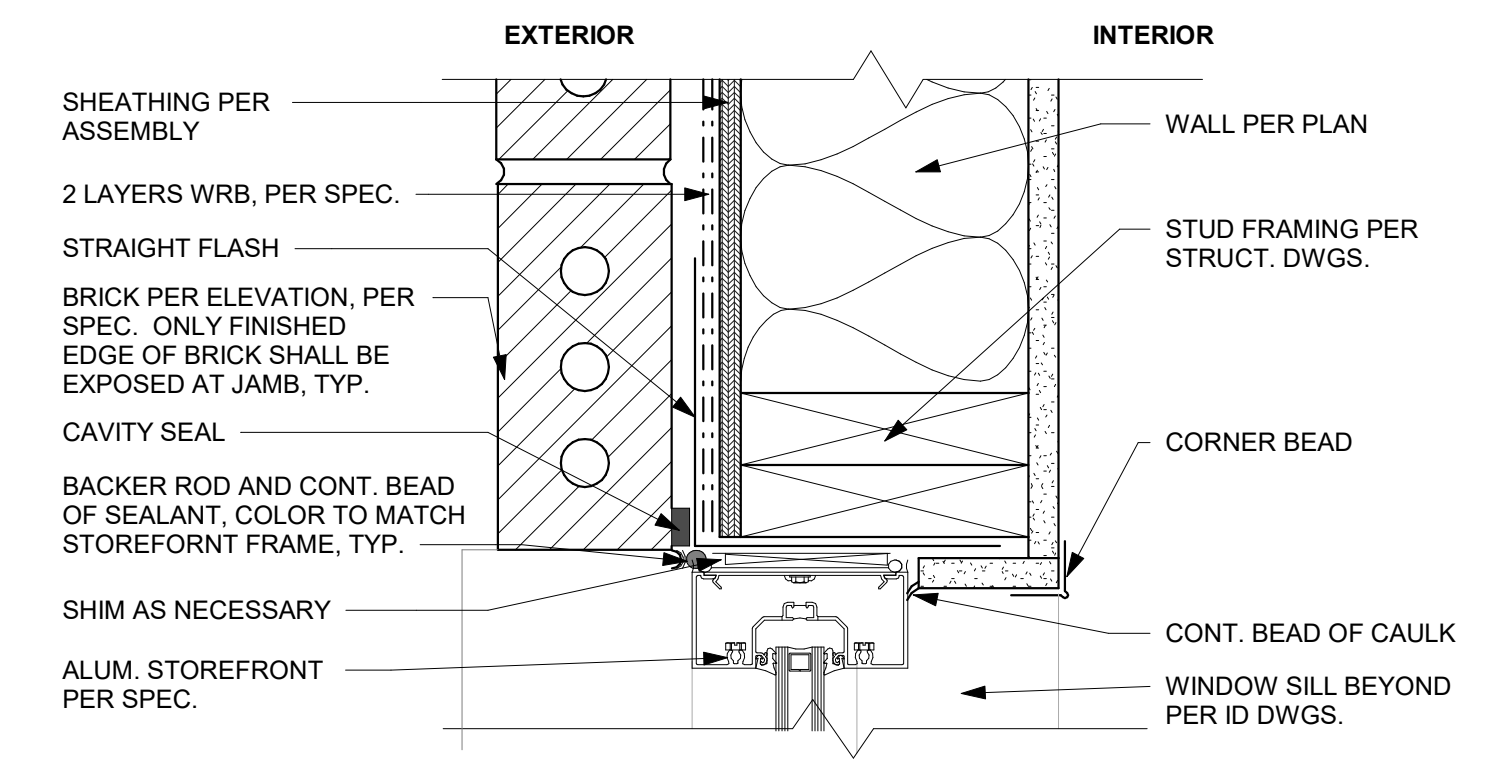
B3 STOREFRONT HEAD - BRICK
3" = 1'-0"



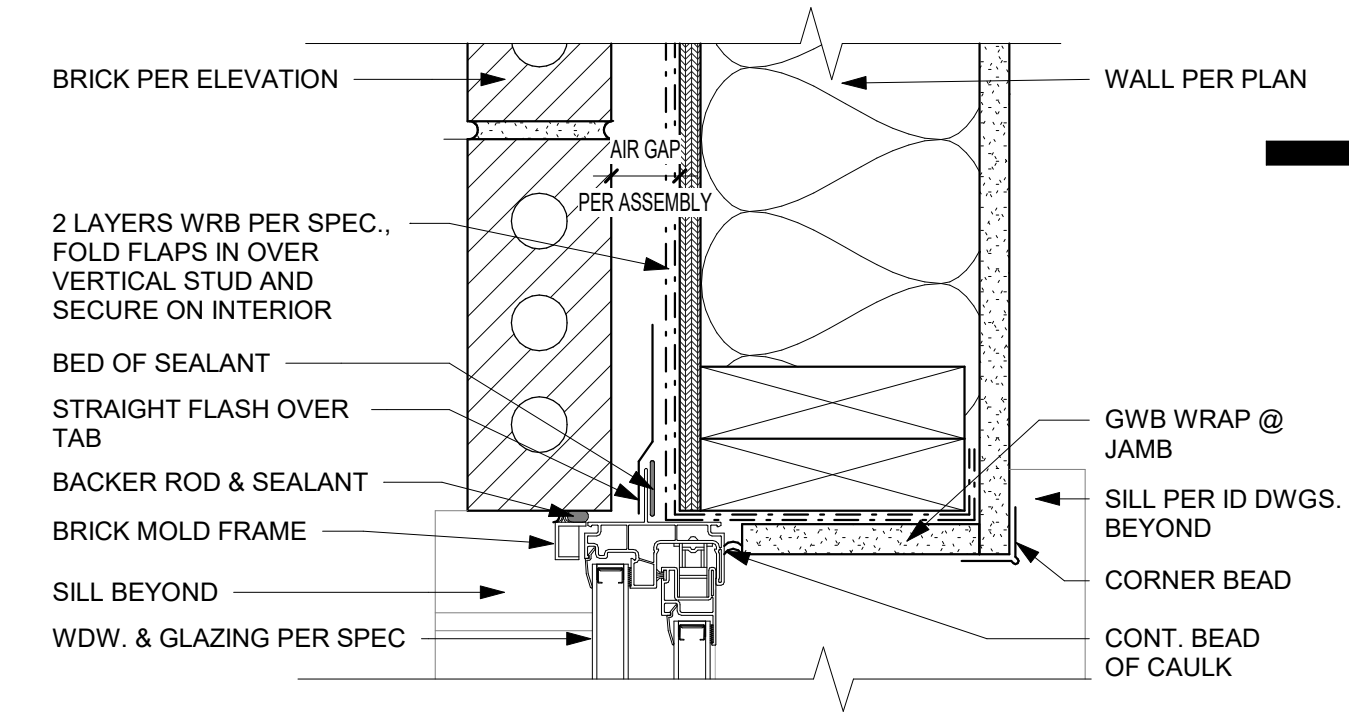
A3 WINDOW HEAD - BRICK
3" = 1'-0"



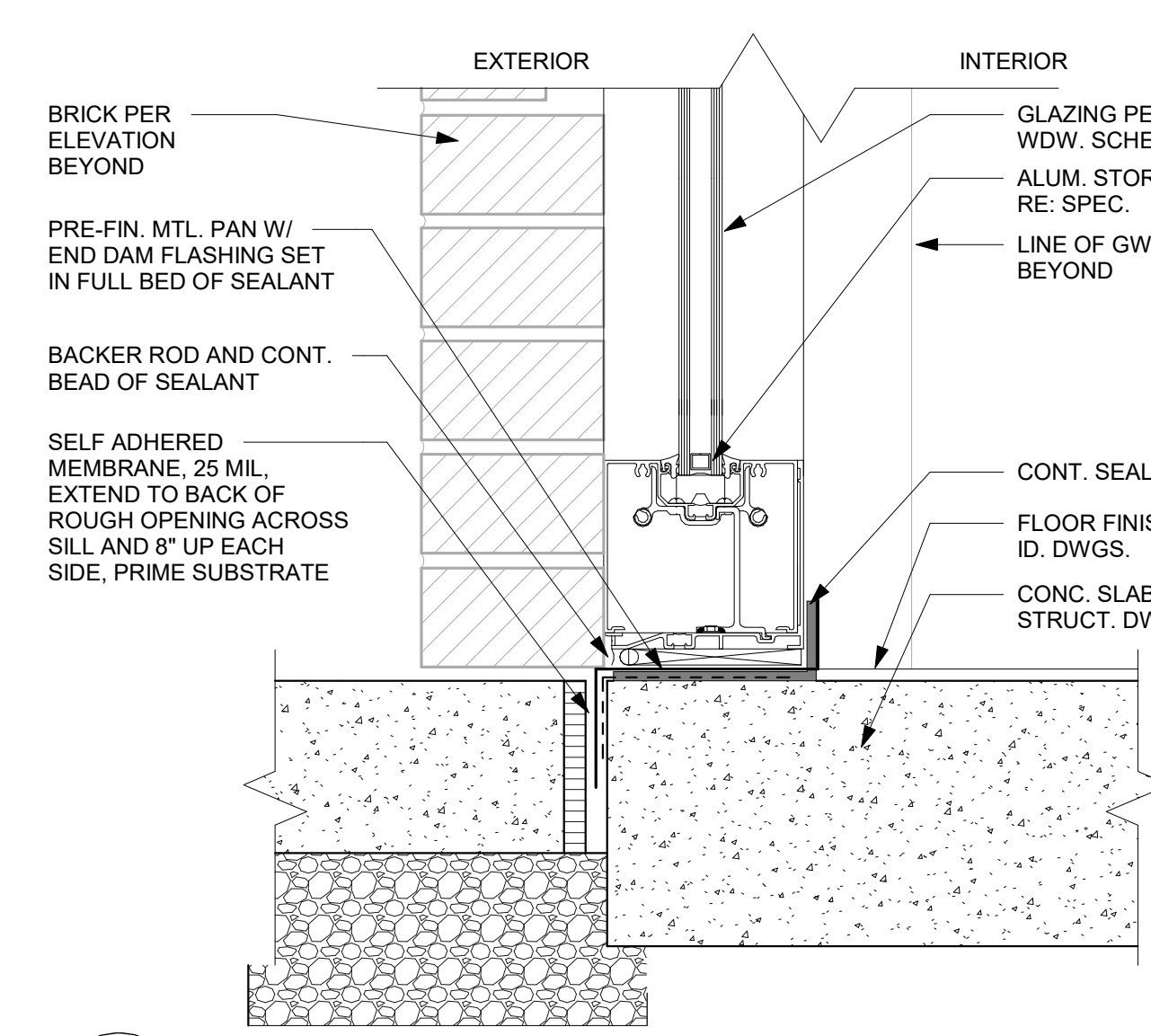
C2 STOREFRONT MTL JAMB - BRICK
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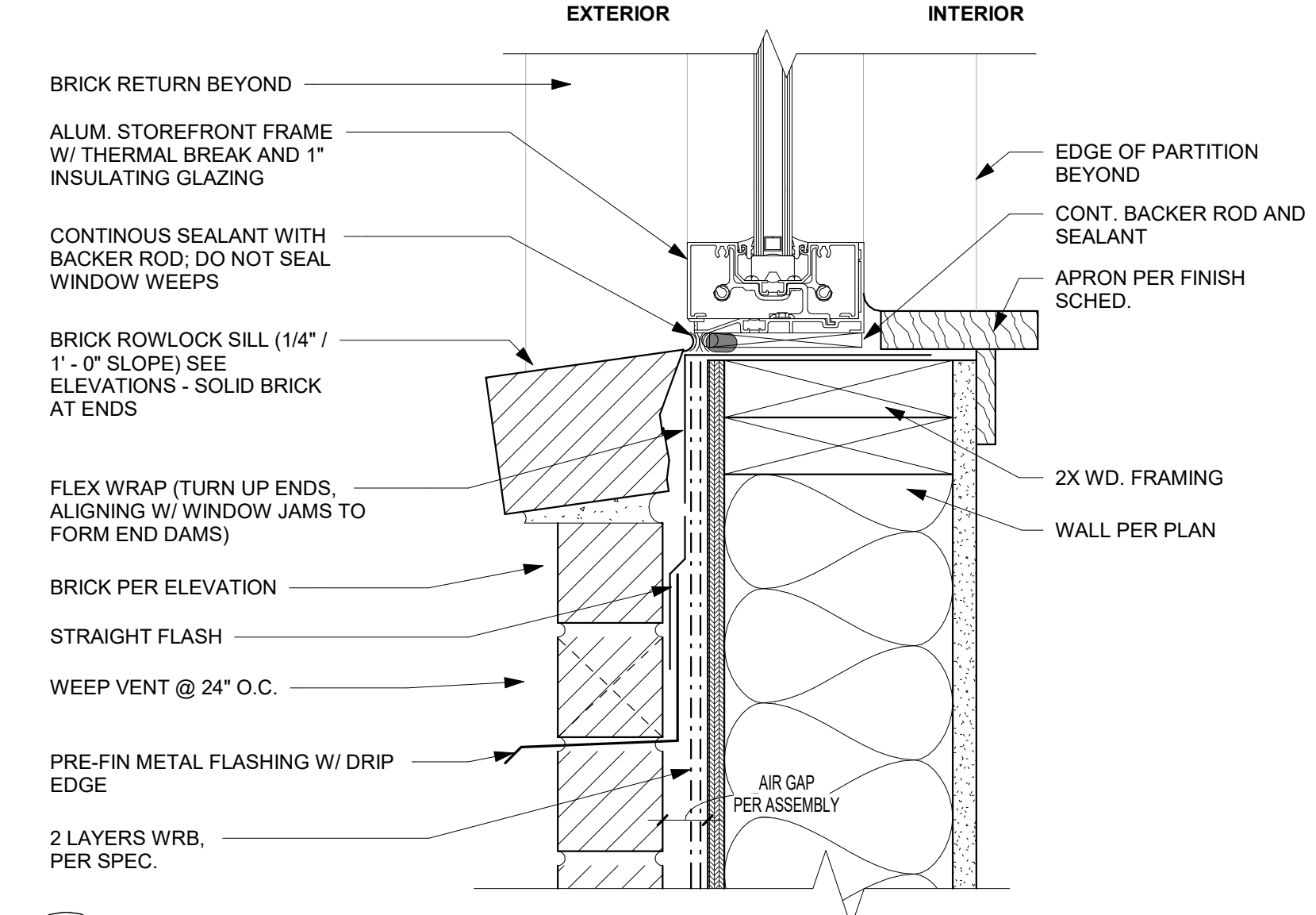
B2 STOREFRONT JAMB - BRICK
3" = 1'-0"



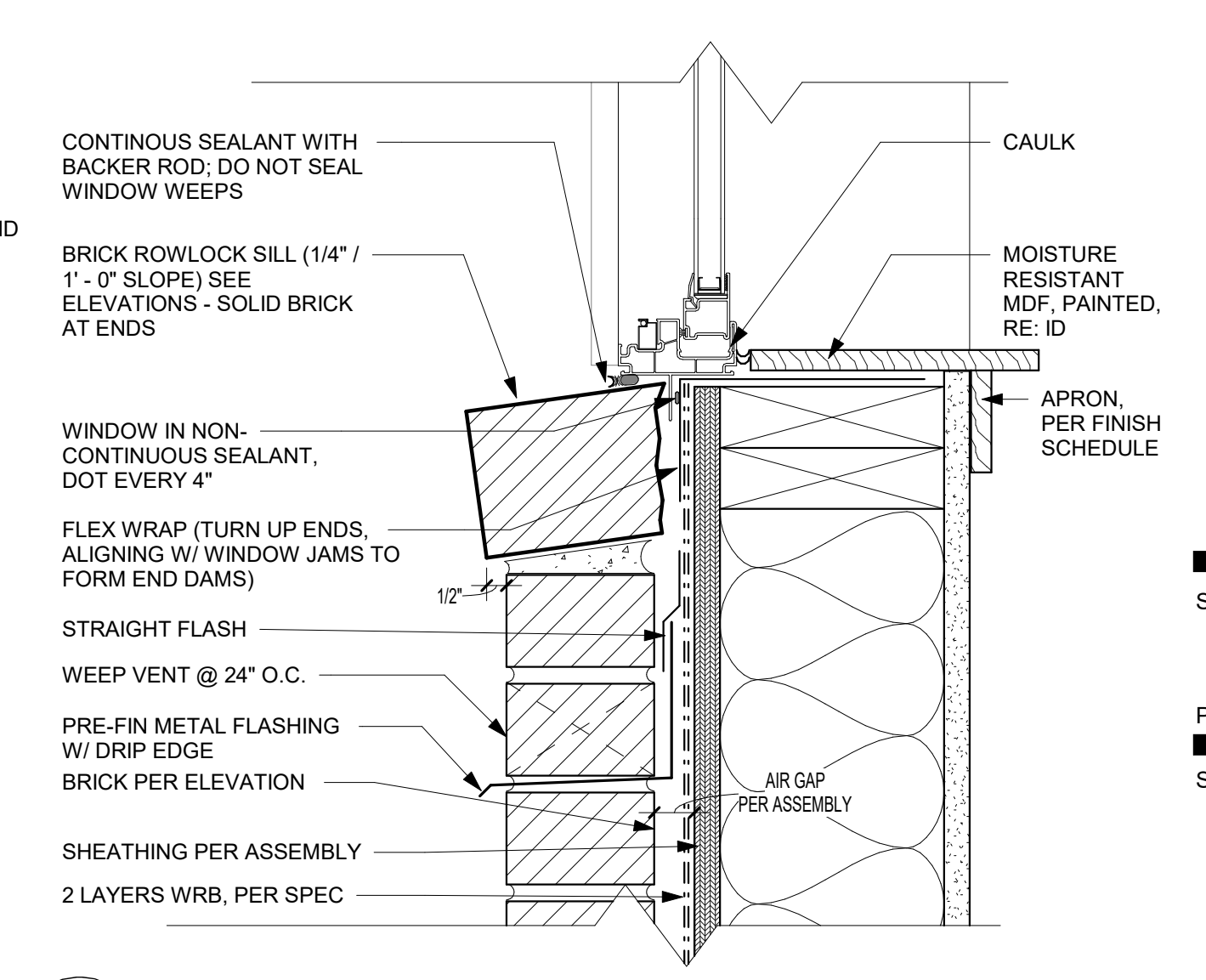
A2 WINDOW JAMB - BRICK
3" = 1'-0"



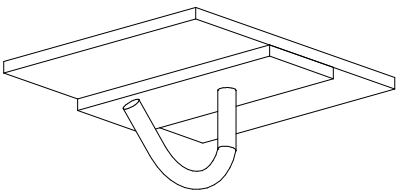
C1 STOREFRONT THRESHOLD - HARDSCAPE
3" = 1'-0"



B1 STOREFRONT SILL - BRICK
3" = 1'-0"

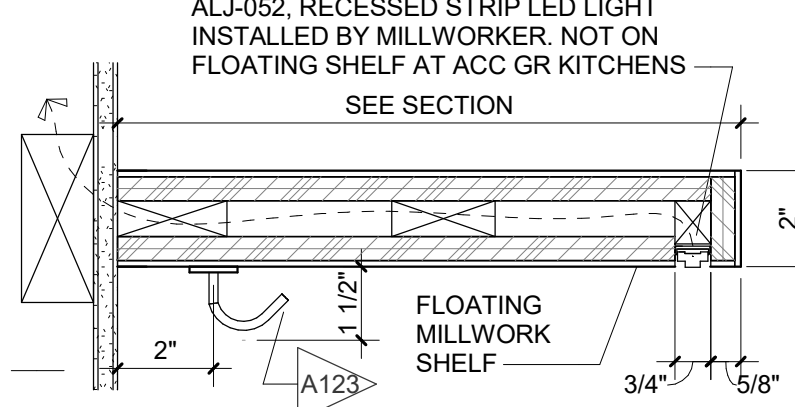


A1 WINDOW SILL - BRICK
3" = 1'-0"



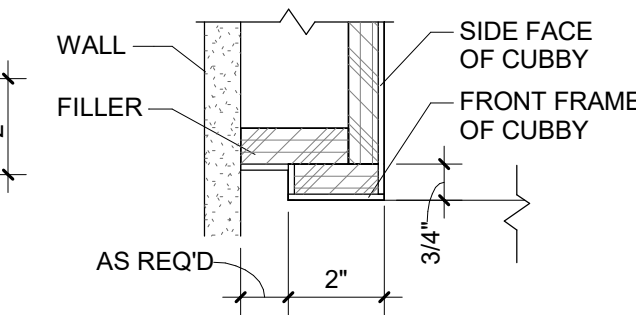
9A CUP HOOK

SCALE:



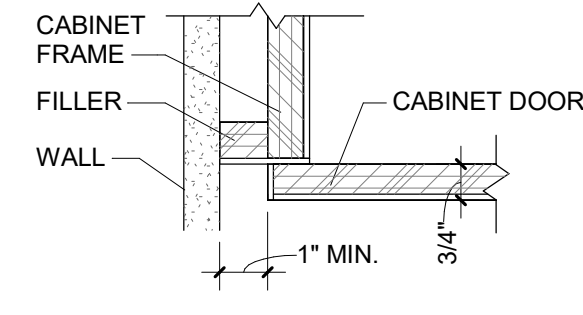
9 HOOK & LIGHT DETAIL

SCALE: 3" = 1'-0"



8 FILLER AT OPEN SHELF

SCALE: 3" = 1'-0"



7 FILLER AT CABINET 1" FILLER

SCALE: 3" = 1'-0"

REFERENCE G-003 FOR GENERAL NOTES

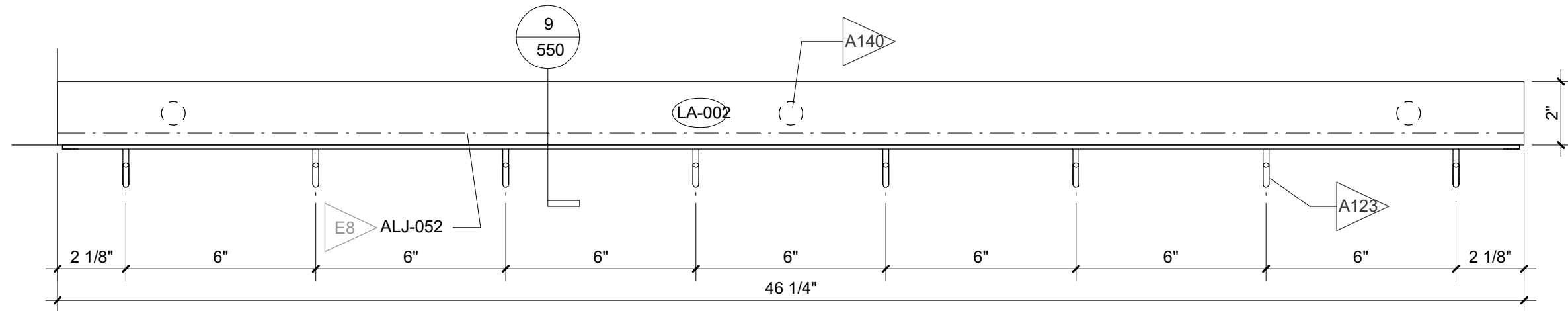
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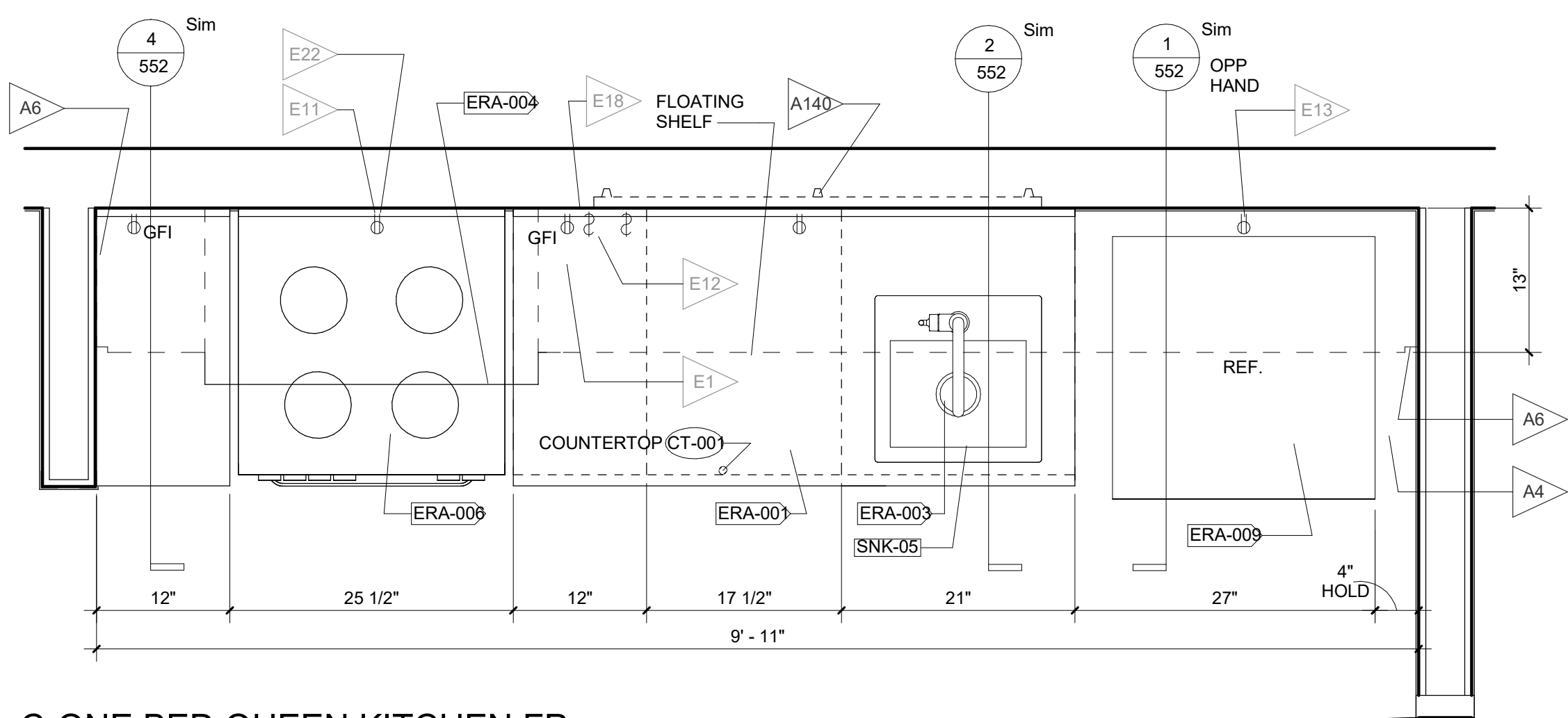
8 C-ONE BED QUEEN KITCHEN DETAILS

3" = 1'-0"



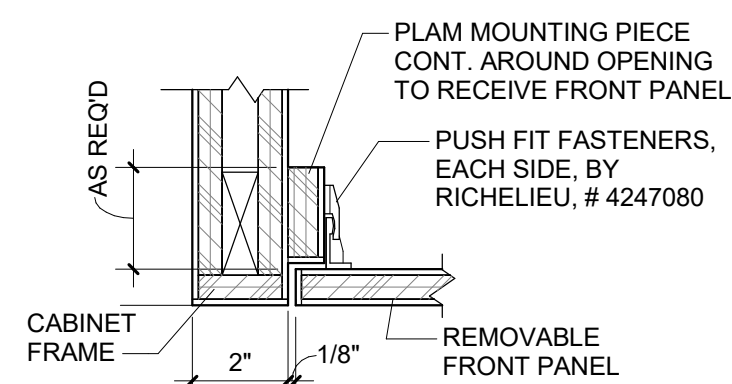
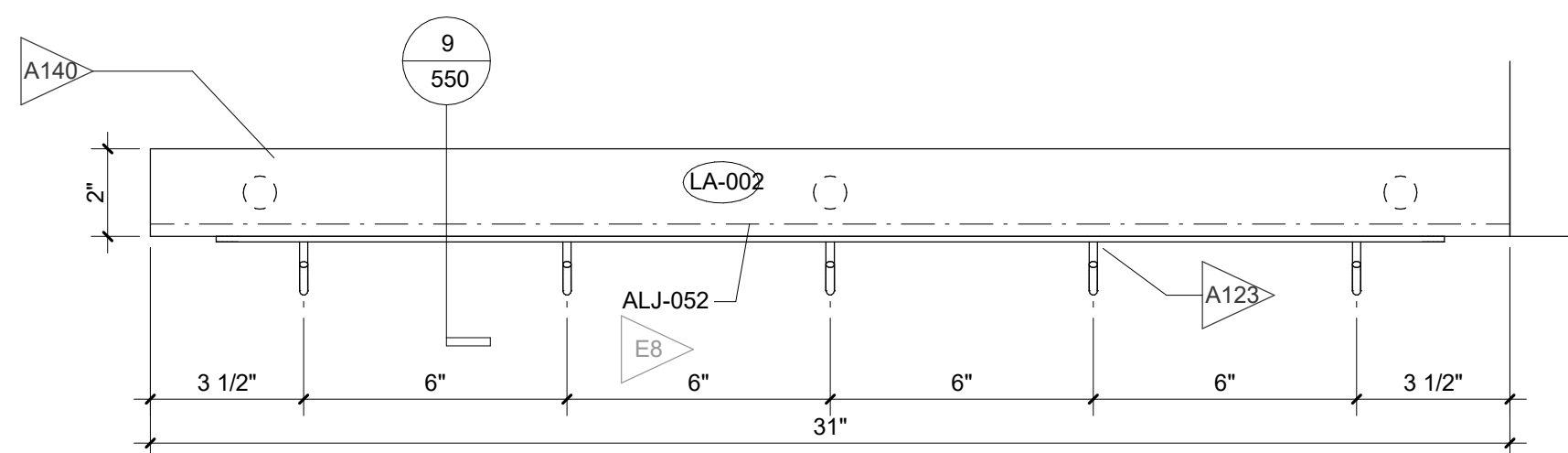
7 C-ONE BED QUEEN KITCHEN SHELF

3" = 1'-0"



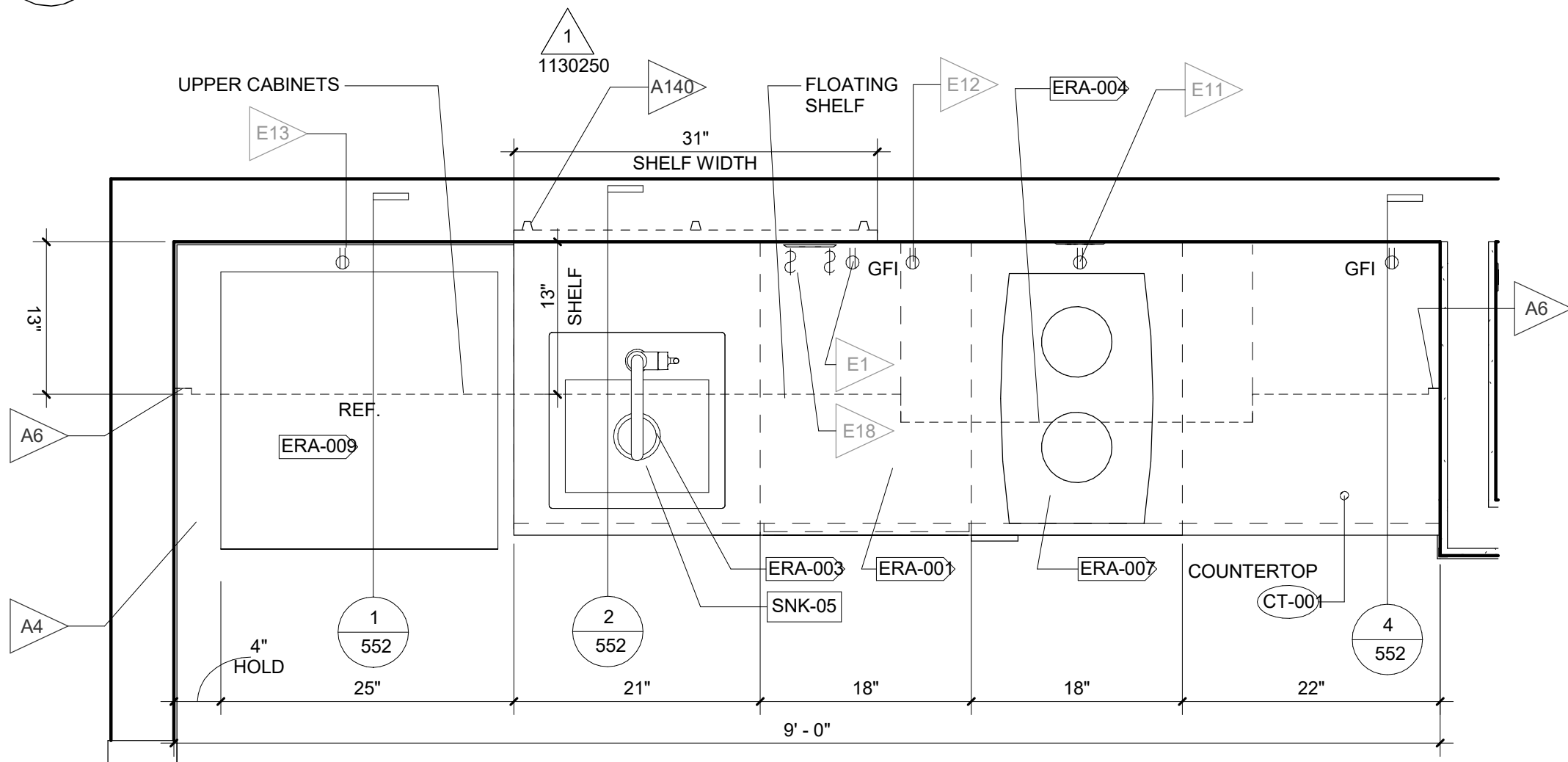
6 C-ONE BED QUEEN KITCHEN FP

1" = 1'-0"



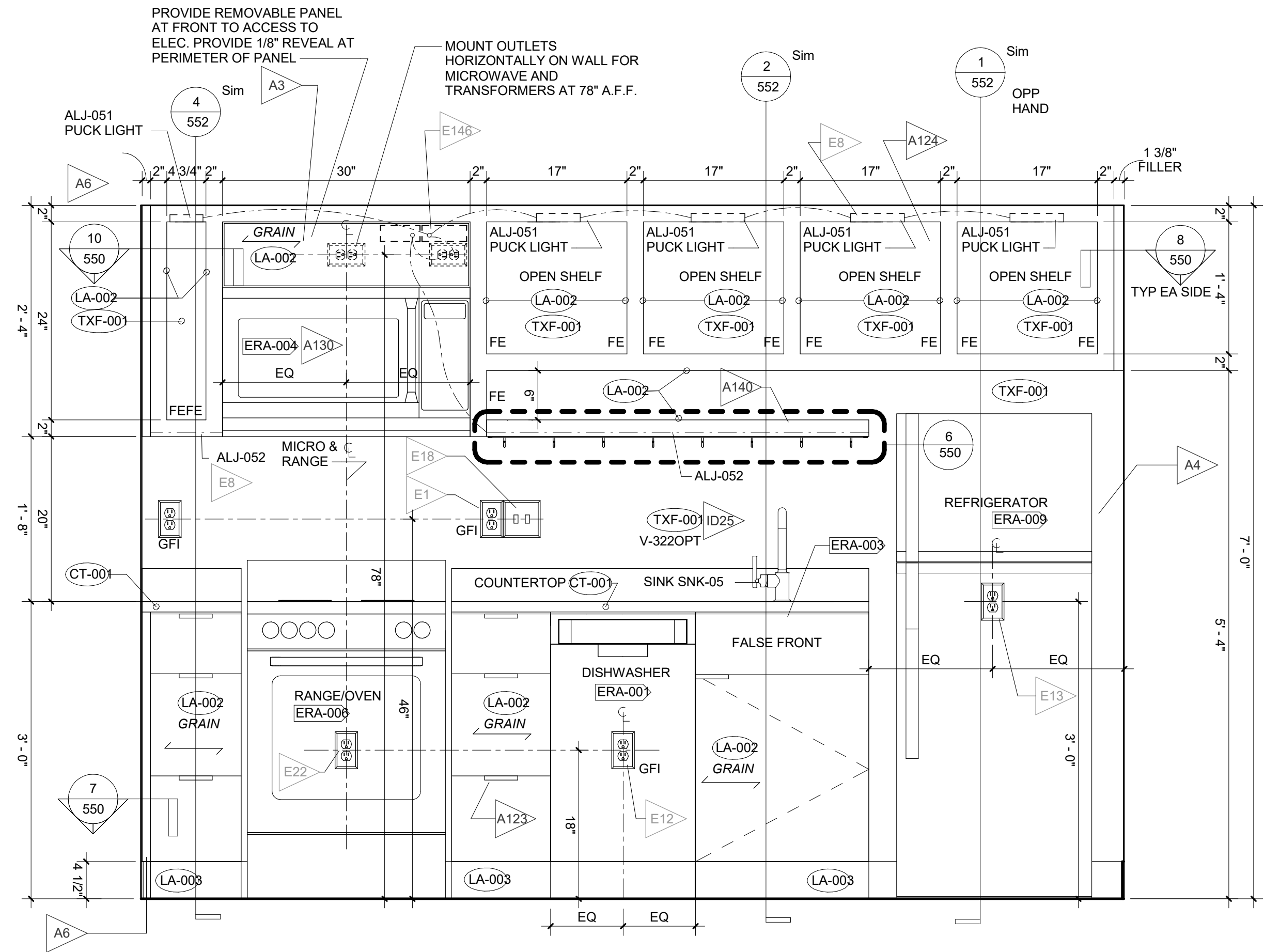
4 A-B-STUDIO KING-QQ KITCHEN SHELF

3" = 1'-0"



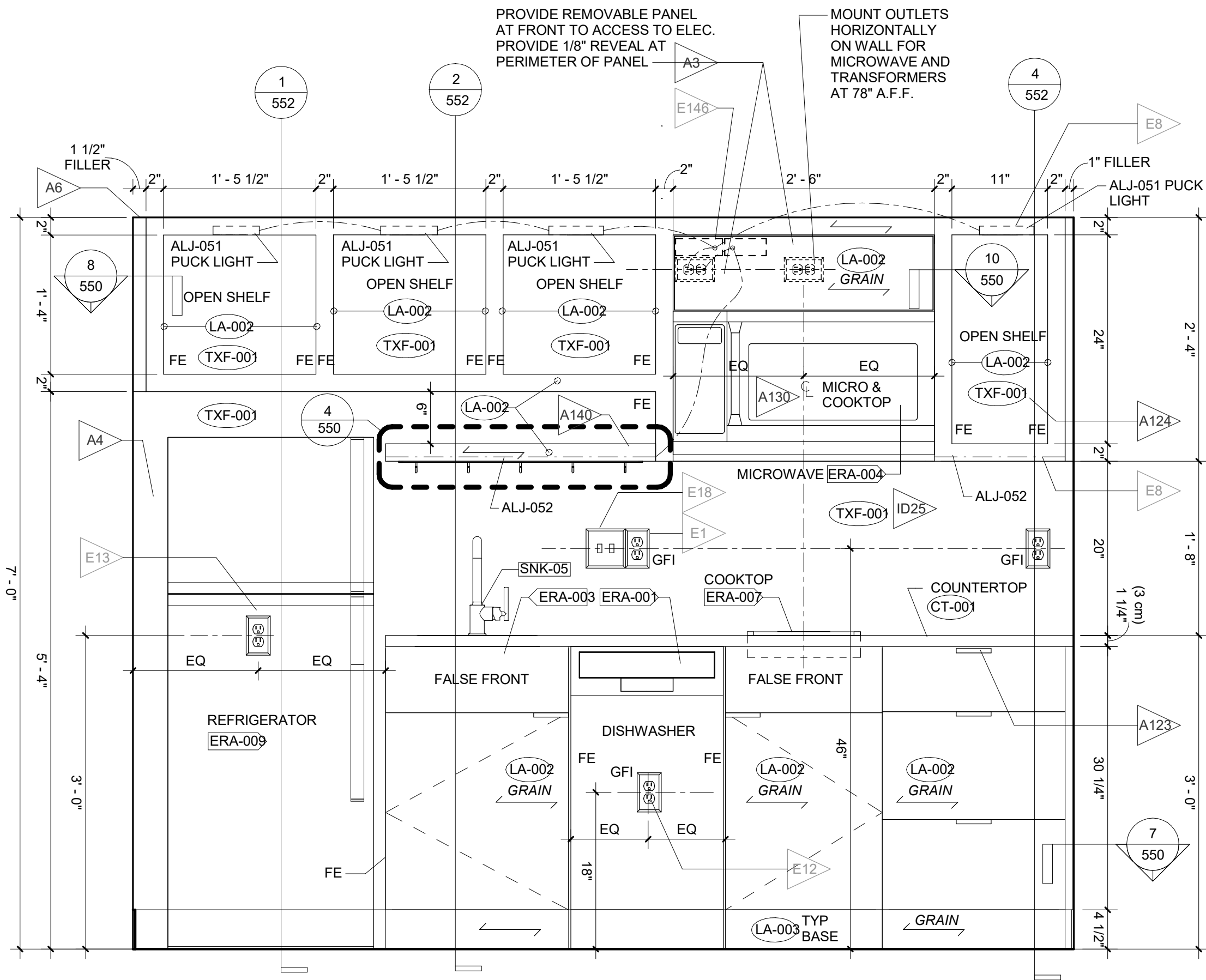
2 A-B-STUDIO KING-QQ KITCHEN FP

1" = 1'-0"



5 C-ONE BED QUEEN KITCHEN ELEV

1" = 1'-0"



1 A-B-STUDIO KING-QQ KITCHEN ELEV

1" = 1'-0"

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TOWNEPLACE SUITES

1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

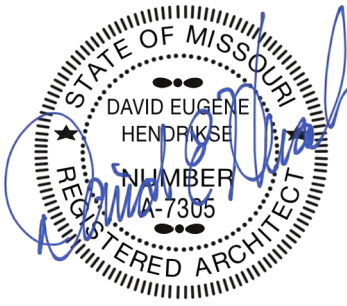
SHEET TITLE
GESTROOM DETAILS

PROJECT NUMBER: 23098

SHEET NUMBER:

A-700





TOWNEPLACE SUITES

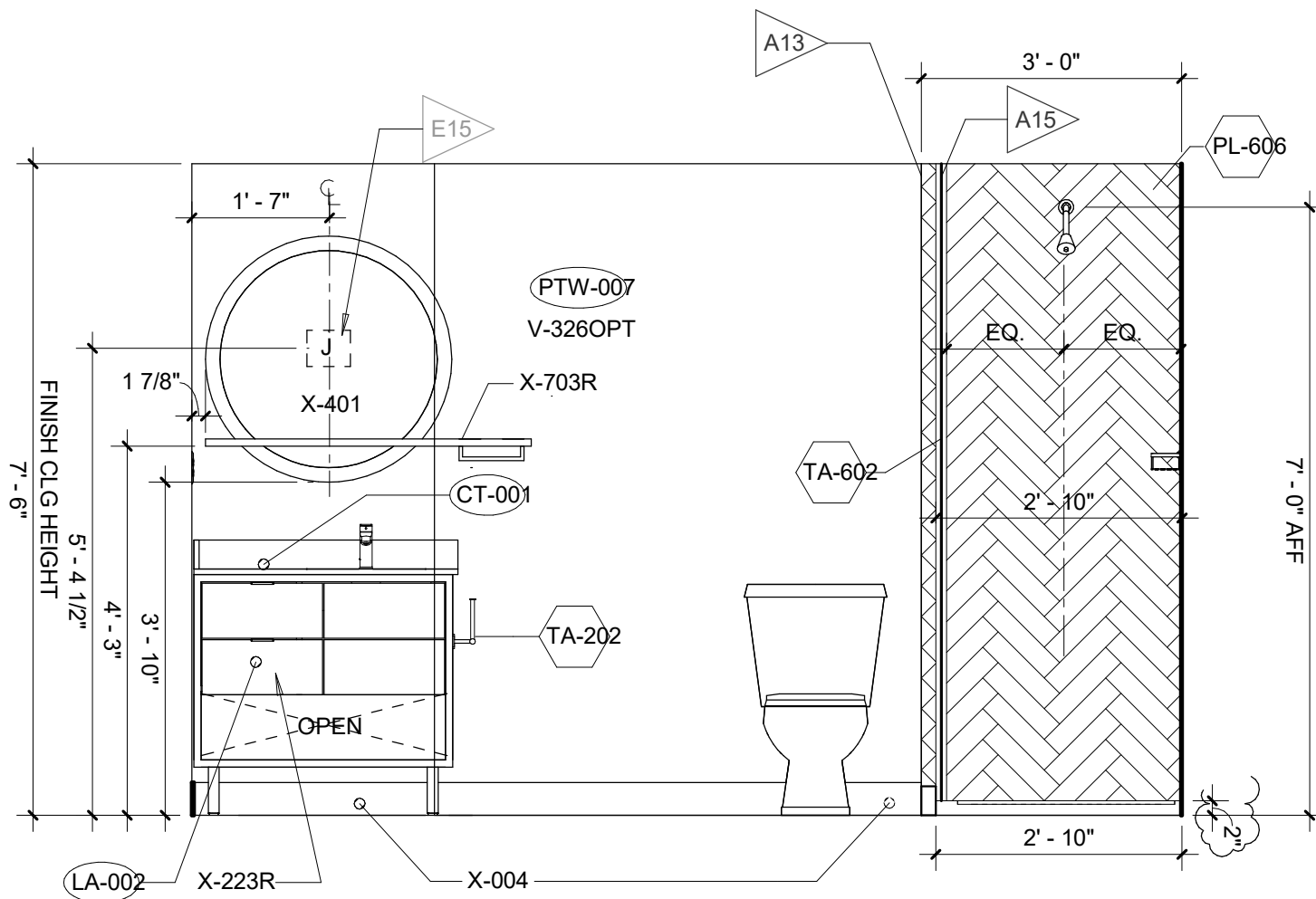
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LEE'S SUMMIT 64064 USA

SHEET TITLE
GUESTROOM BATHROOMS
SHOWERS

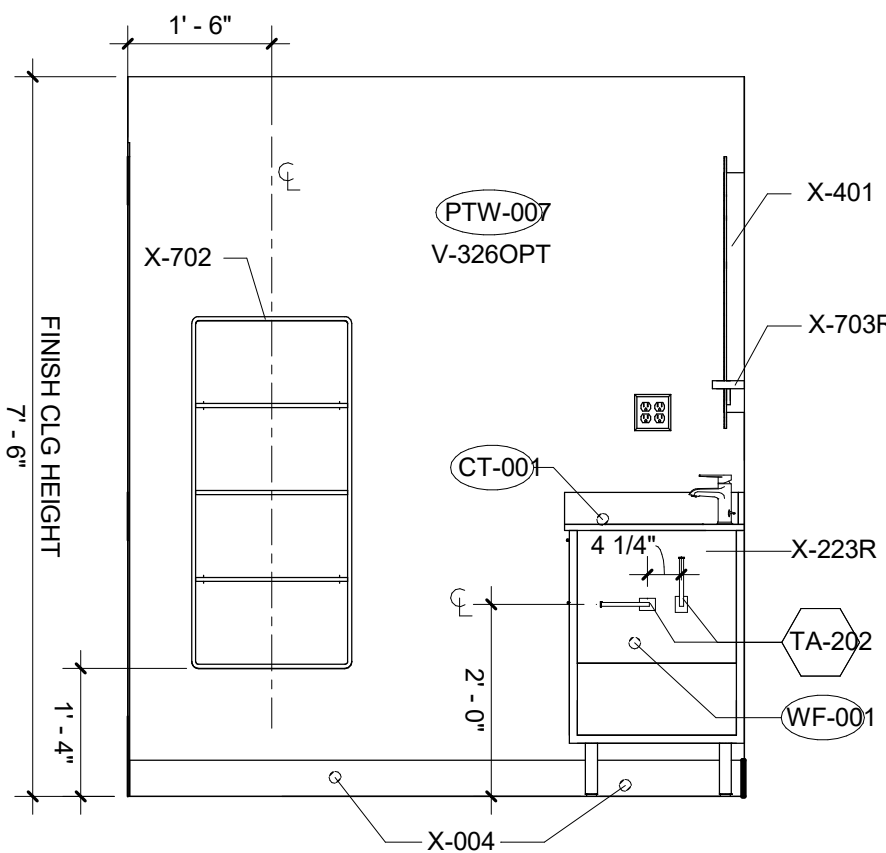
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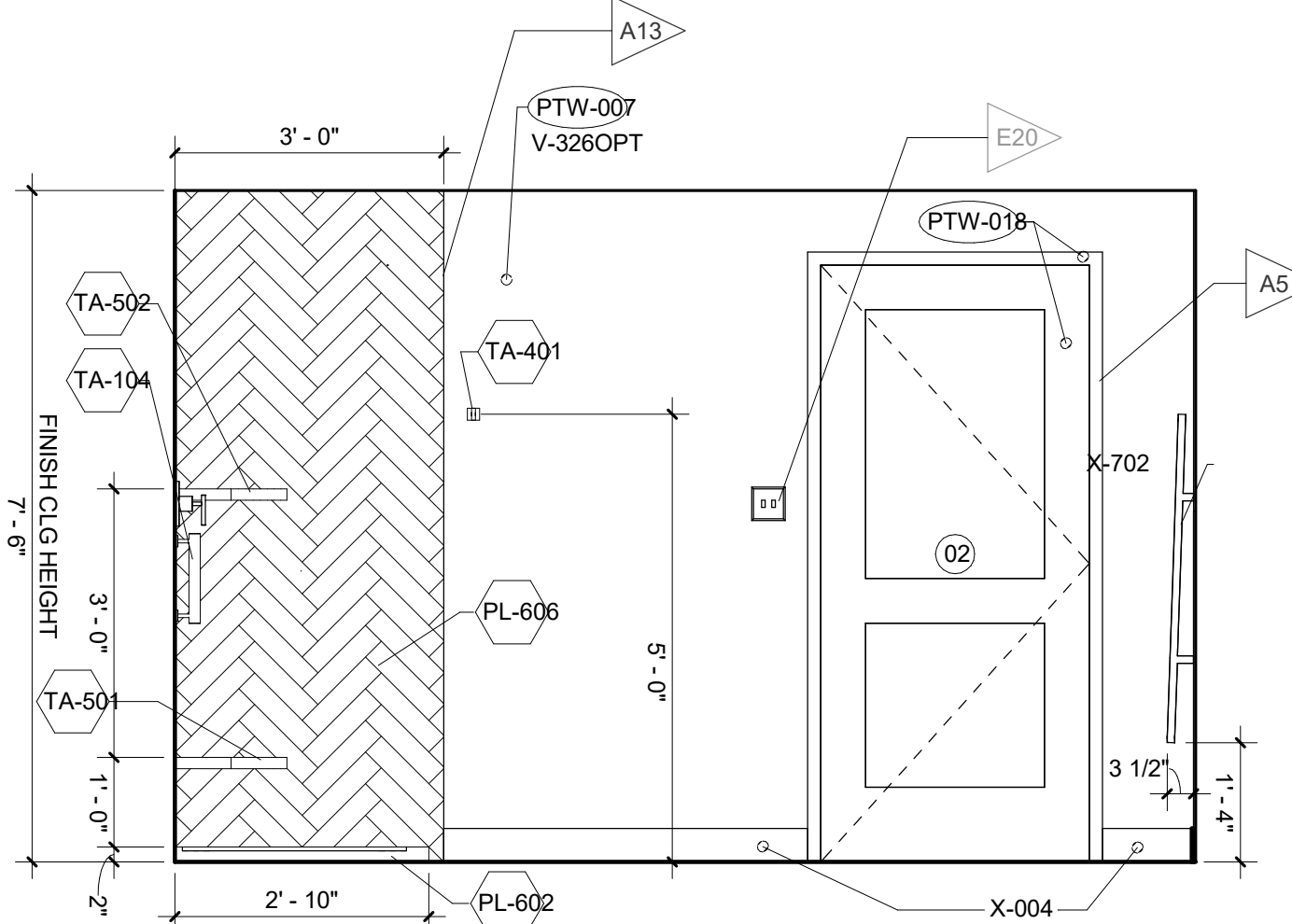
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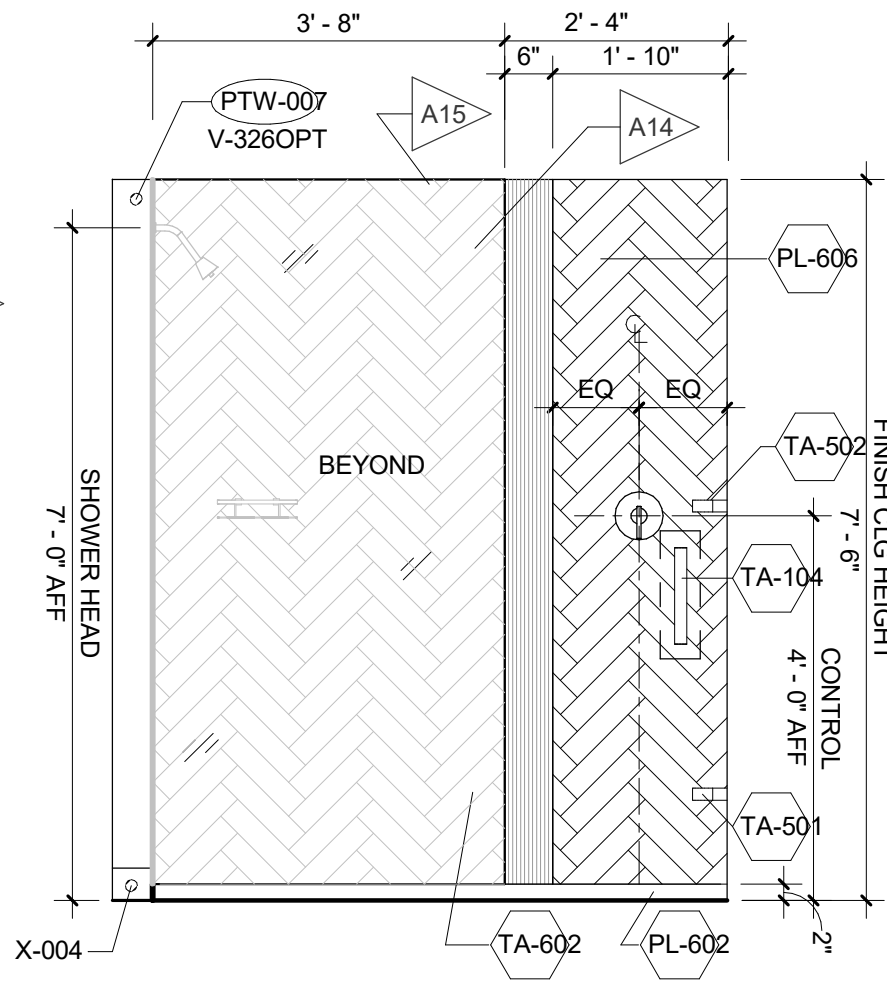
10 E-BATHROOMONE BED KING W/
BALC. ELEV 4
1/2" = 1'-0"



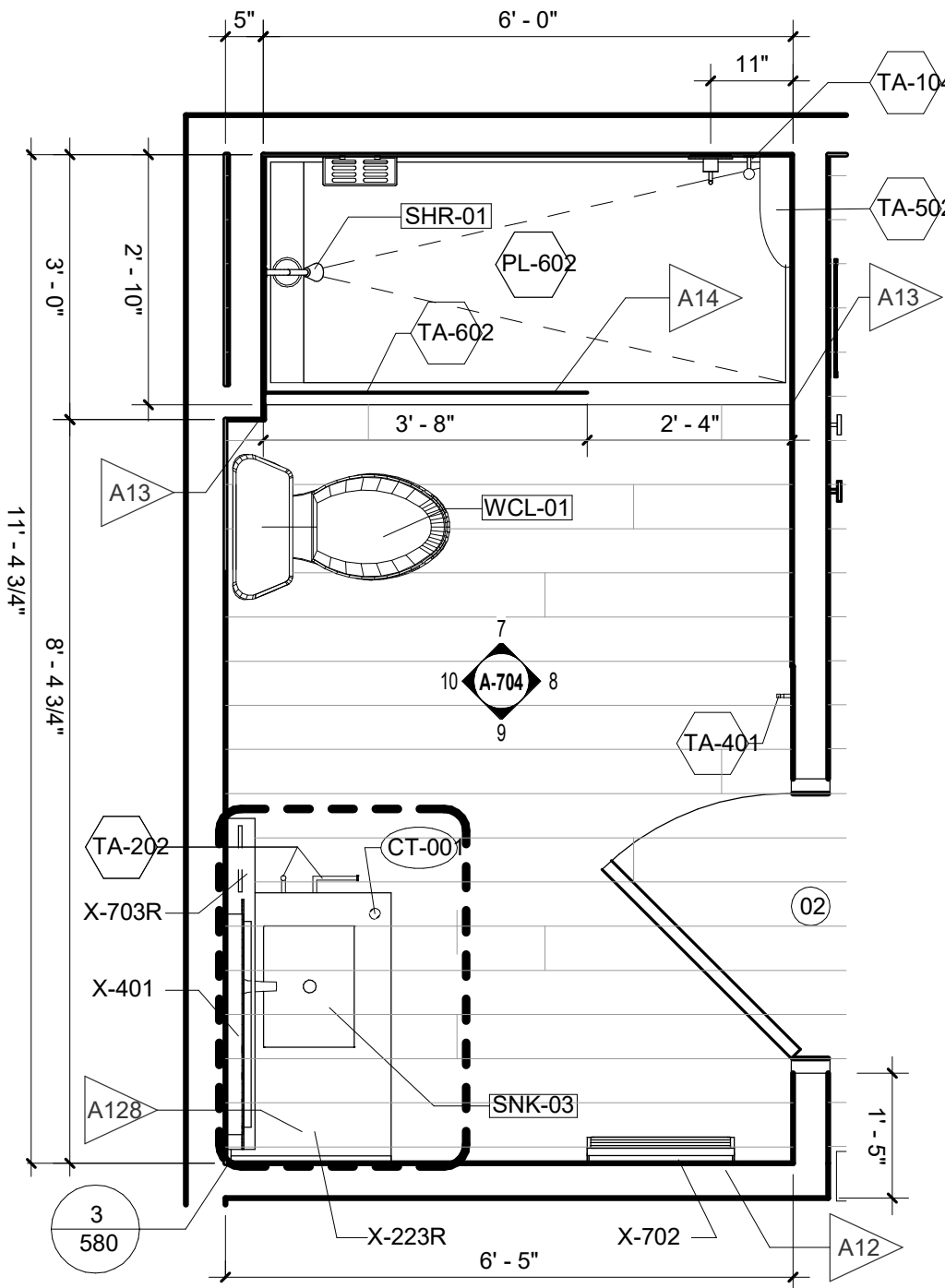
9 E-BATHROOMONE BED KING W/
BALC. ELEV 3
1/2" = 1'-0"



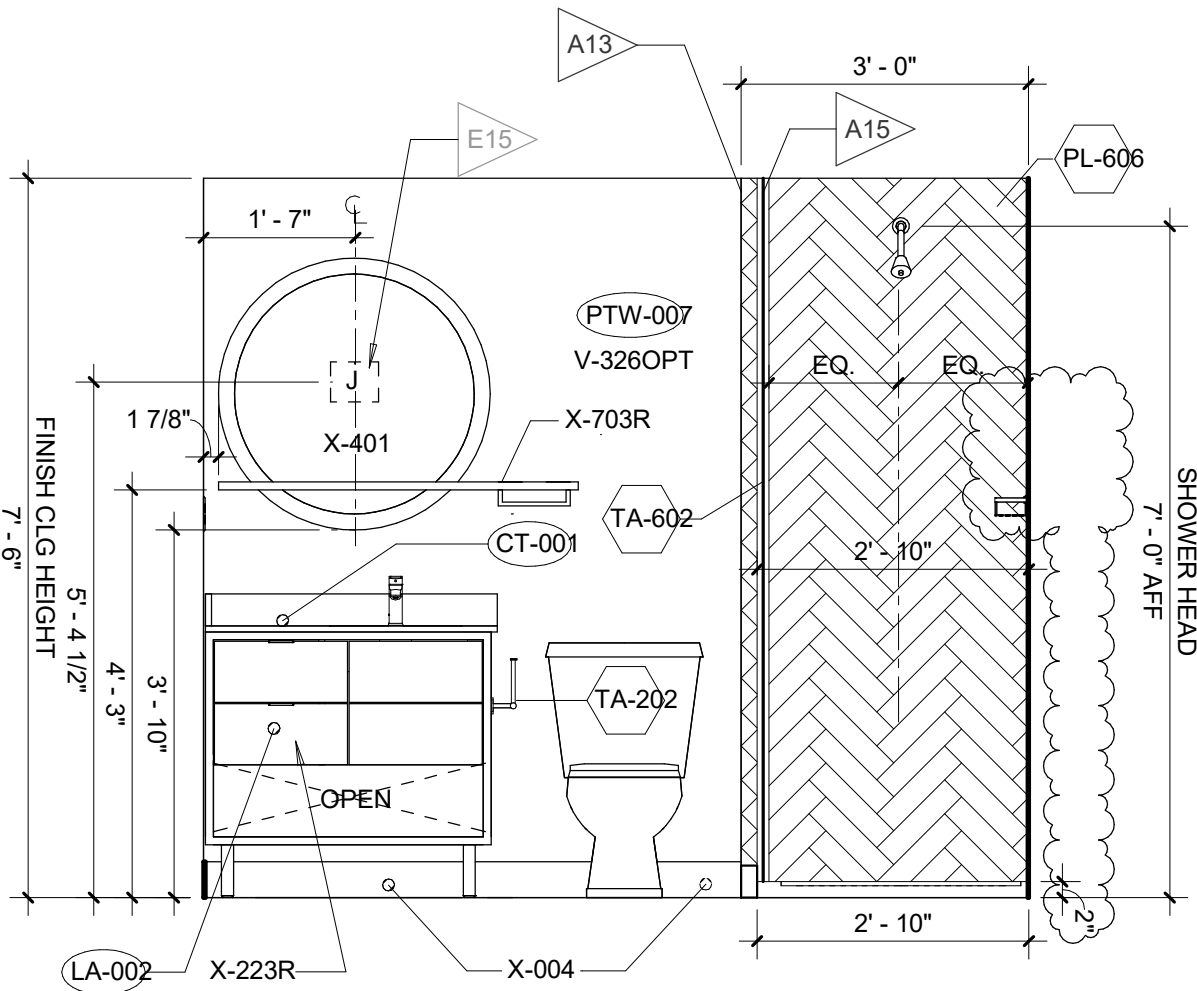
8 E-BATHROOMONE BED KING W/
BALC. ELEV 2
1/2" = 1'-0"



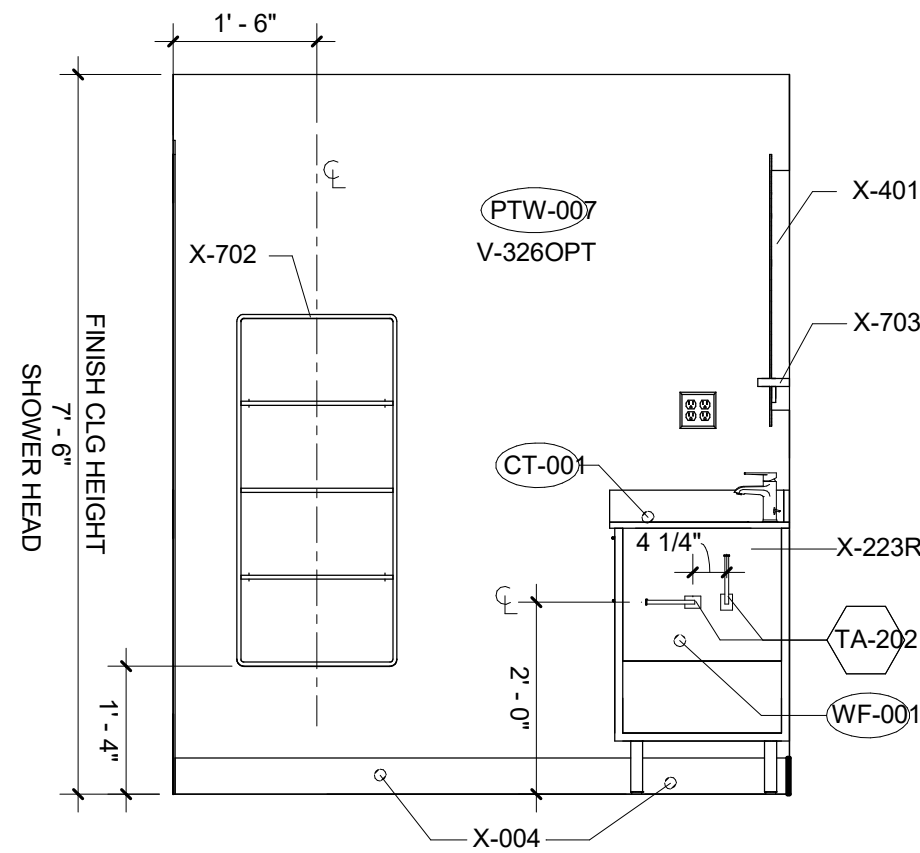
7 E-BATHROOMONE BED KING W/
BALC. ELEV 1
1/2" = 1'-0"



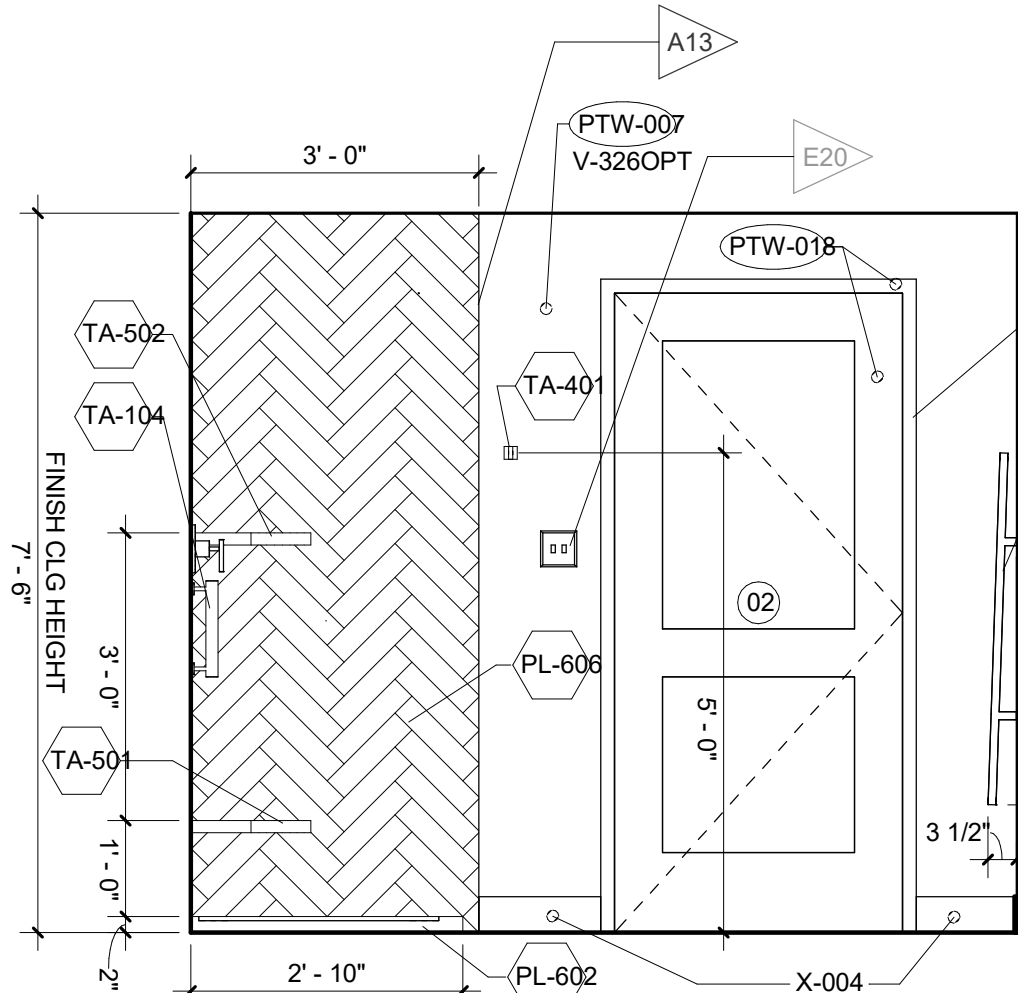
6 ONE BED KING W/BALC. - Enlarged
bath
1/2" = 1'-0"



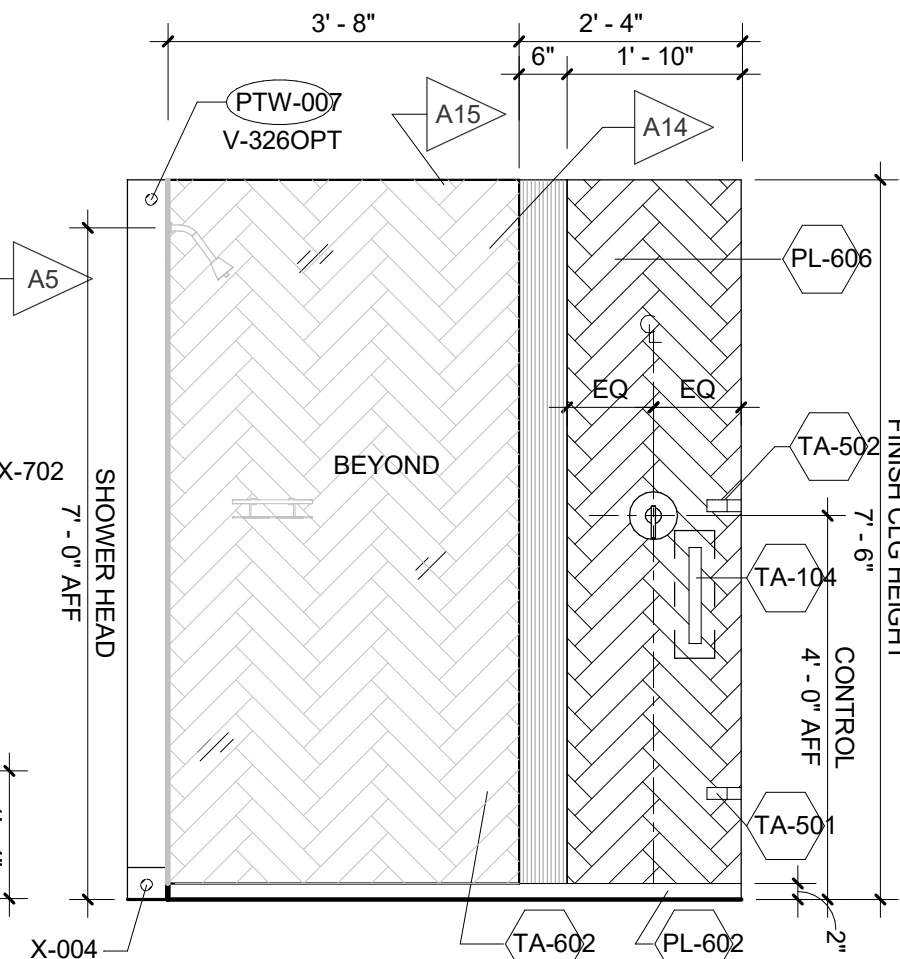
5 E-BATHROOM-STUDIO ELEV 4
1/2" = 1'-0"



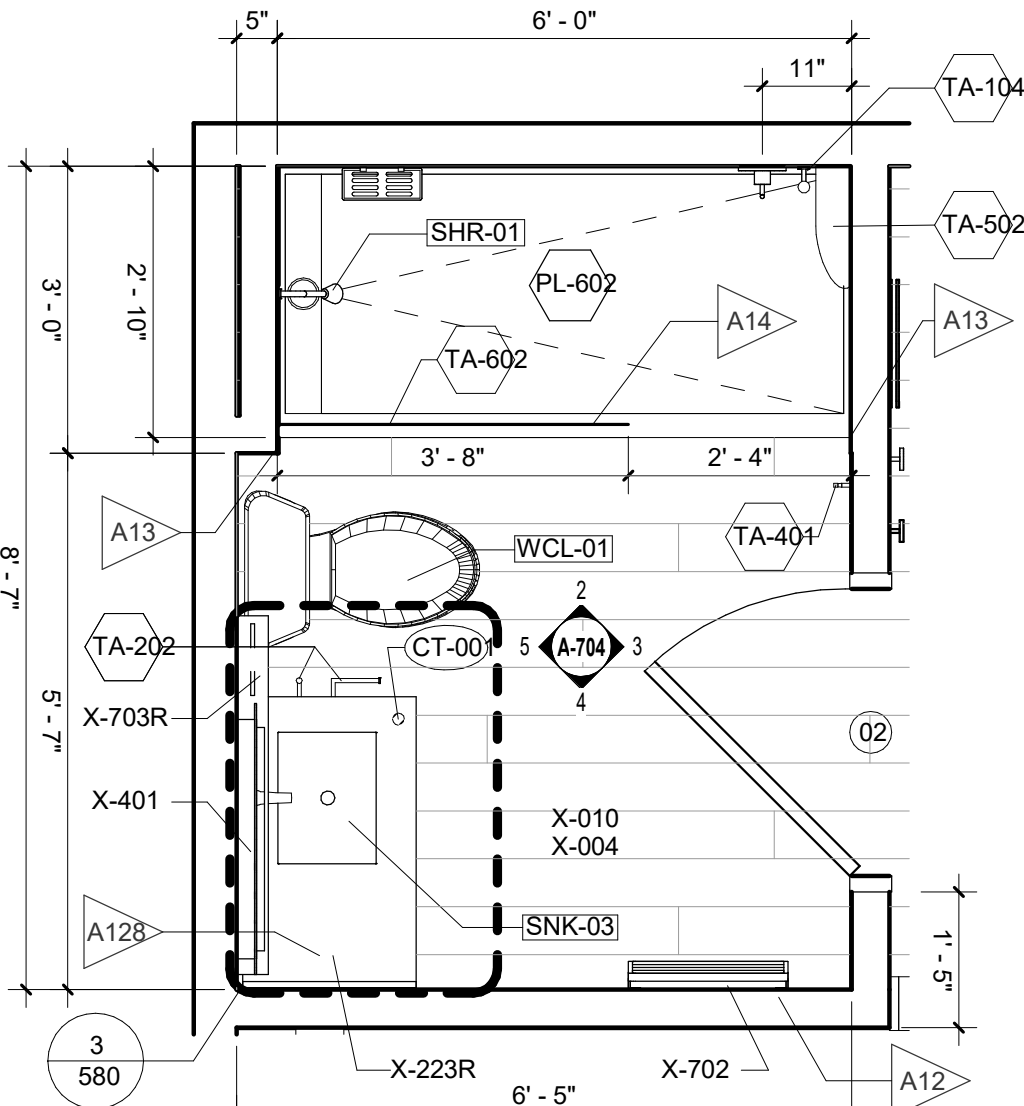
4 E-BATHROOM-STUDIO ELEV 3
1/2" = 1'-0"



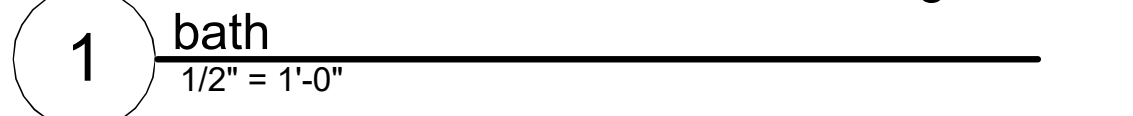
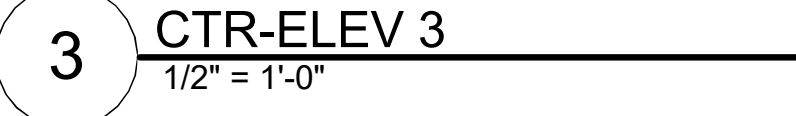
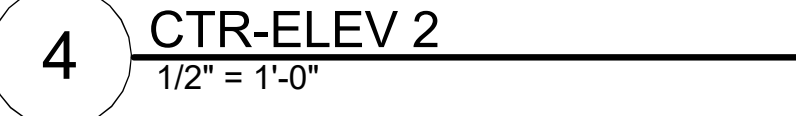
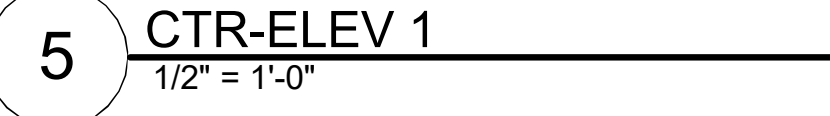
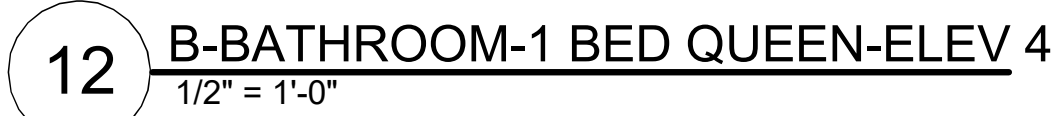
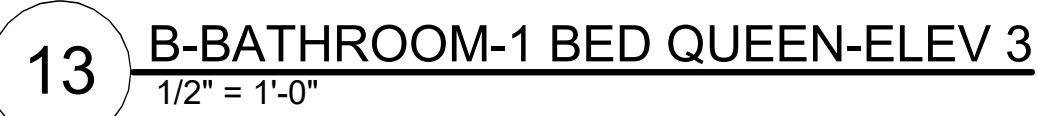
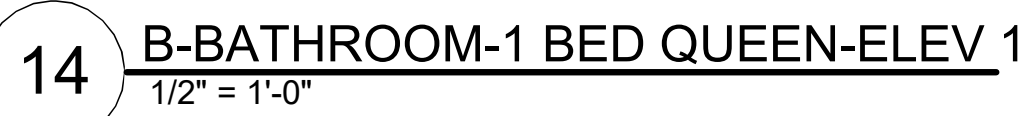
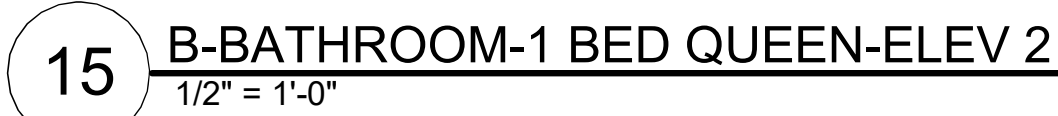
3 E-BATHROOM-STUDIO ELEV 2
1/2" = 1'-0"



2 E-BATHROOM-STUDIO ELEV 1
1/2" = 1'-0"



1 STUDIO KING - FP Enlarged bath
1/2" = 1'-0"

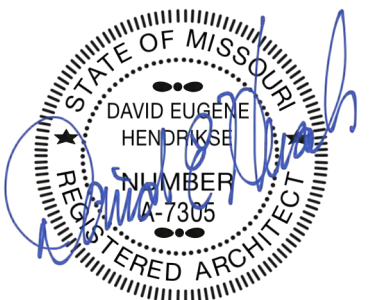


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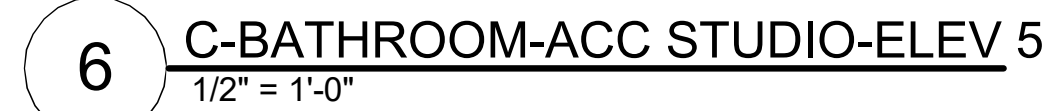
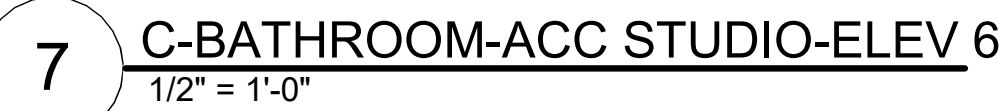
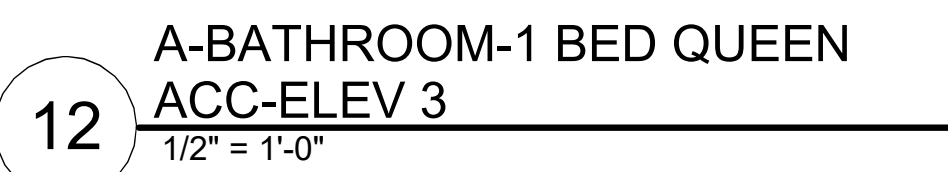
TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS STREET
LEE'S SUMMIT 64064 USA

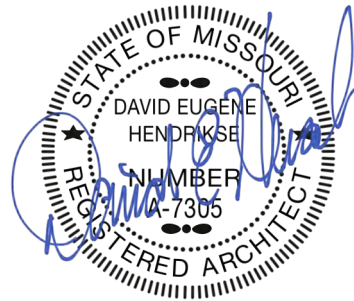
SHEET TITLE
GUESTROOM BATHROOMS TUBS

PROJECT NUMBER: 23098

SHEET NUMBER:

A-705





TOWNEPLACE SUITES

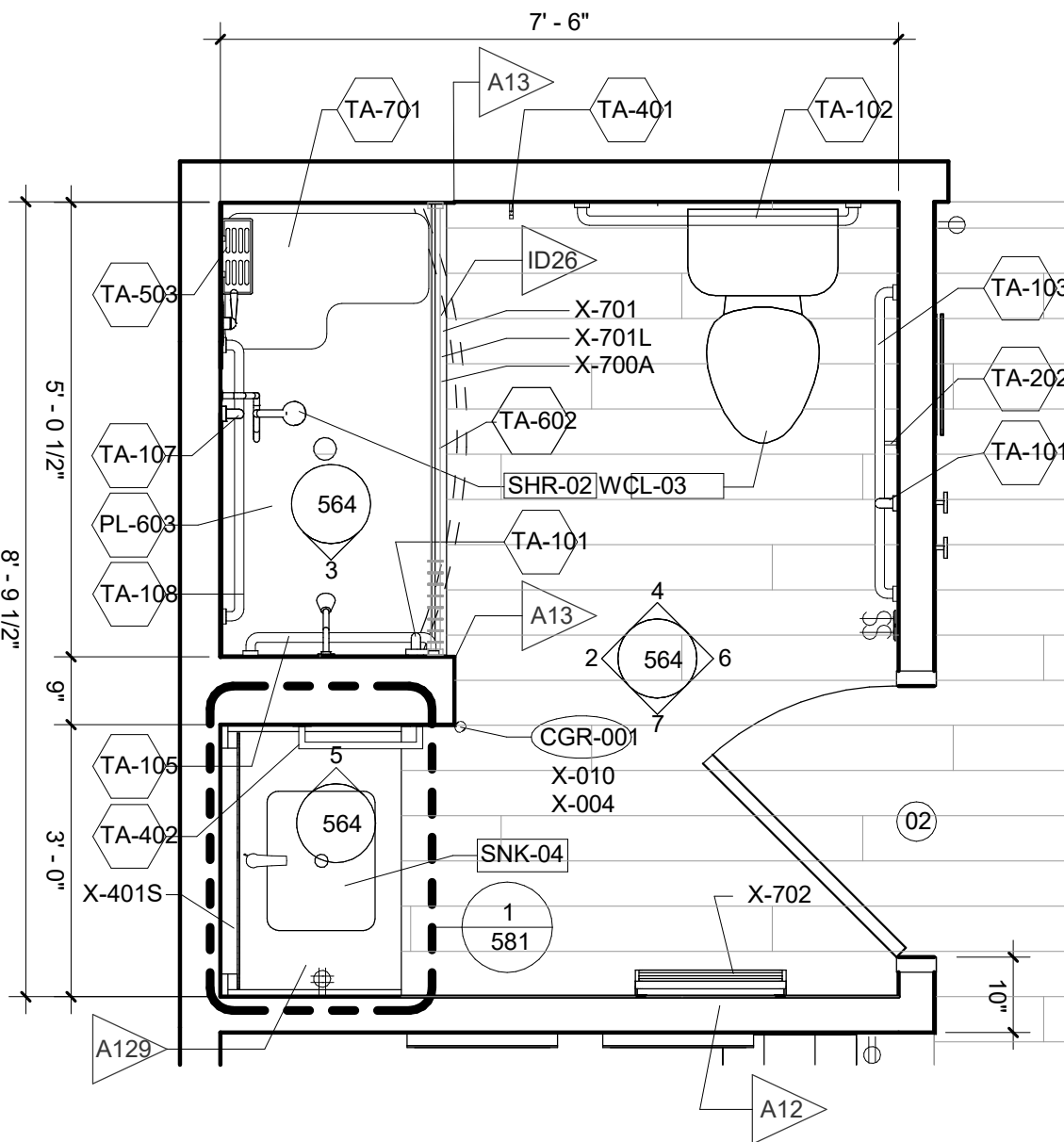
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
ACC. GUESTROOM BATHROOMS
ROLL-IN

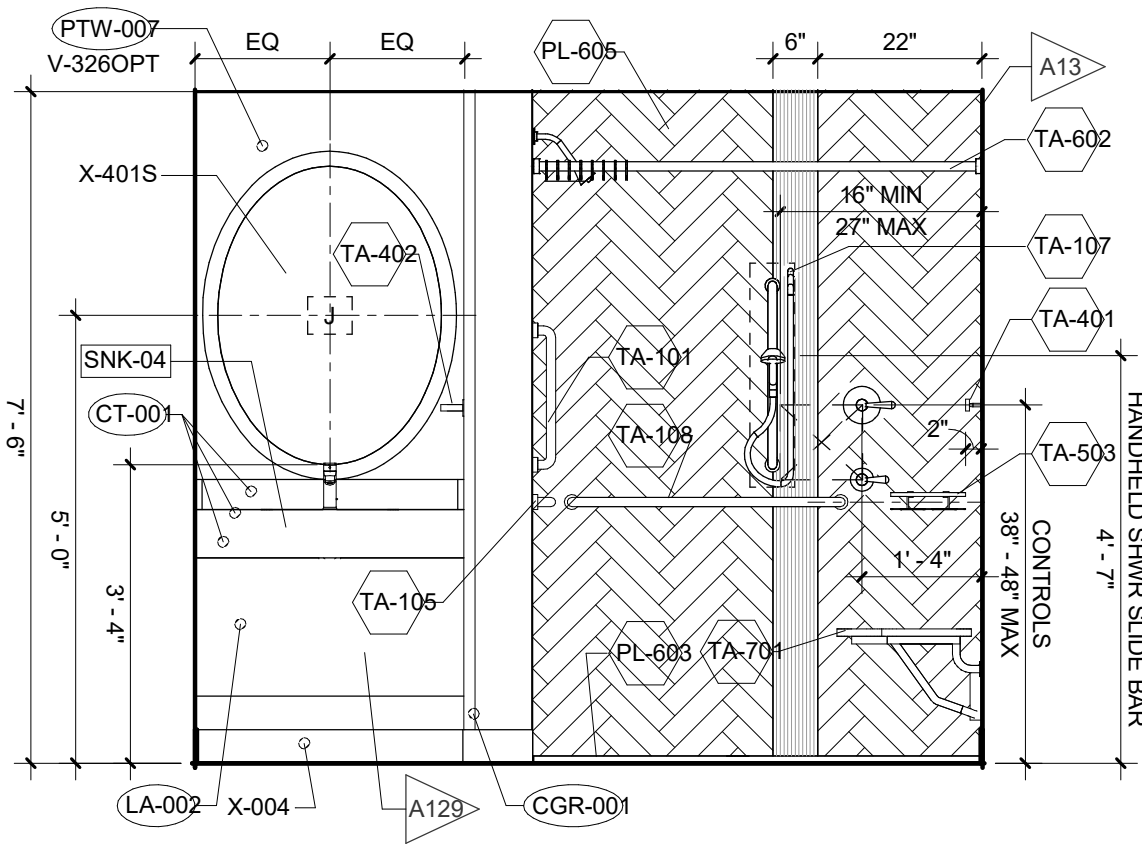
PROJECT NUMBER: 23098

SHEET NUMBER:

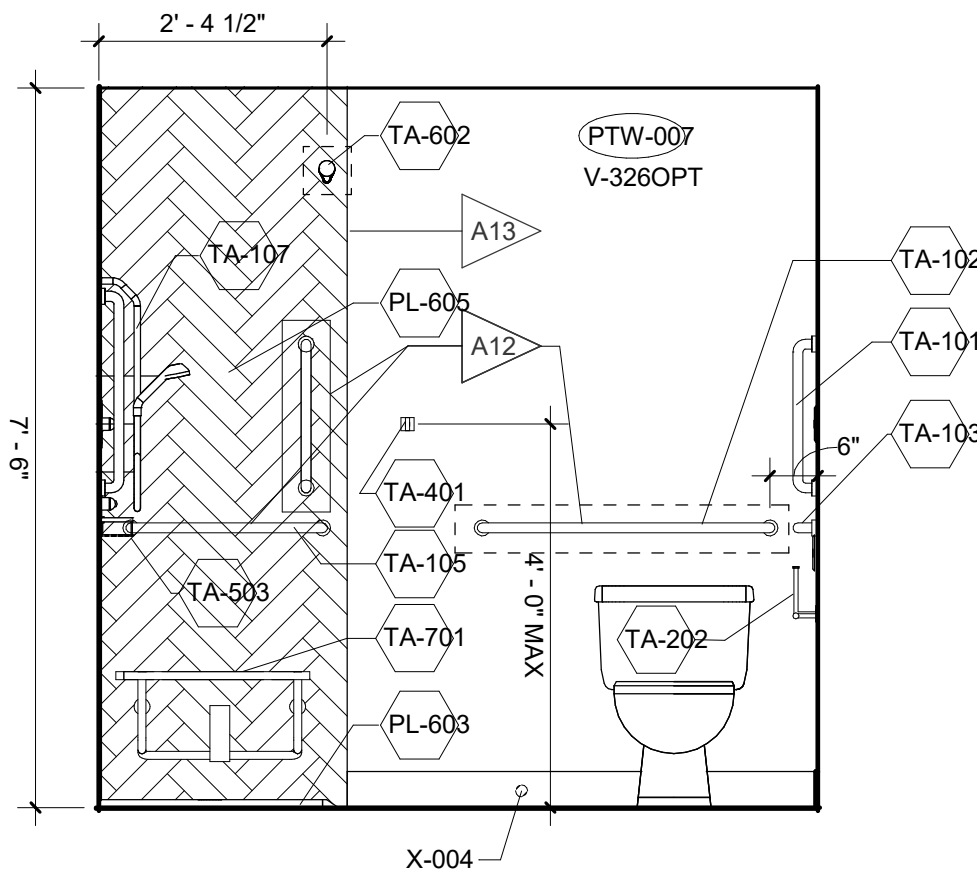
A-707



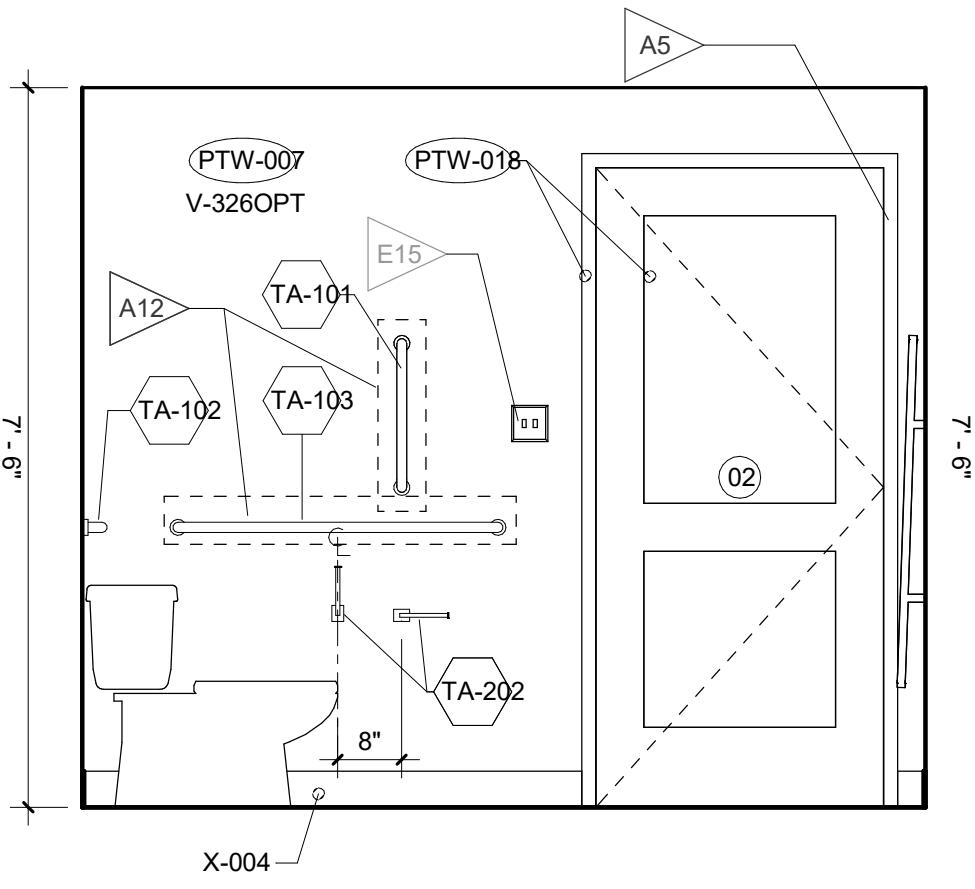
1 D-BATHROOM-ACC QQ-FP
1/2" = 1'-0"



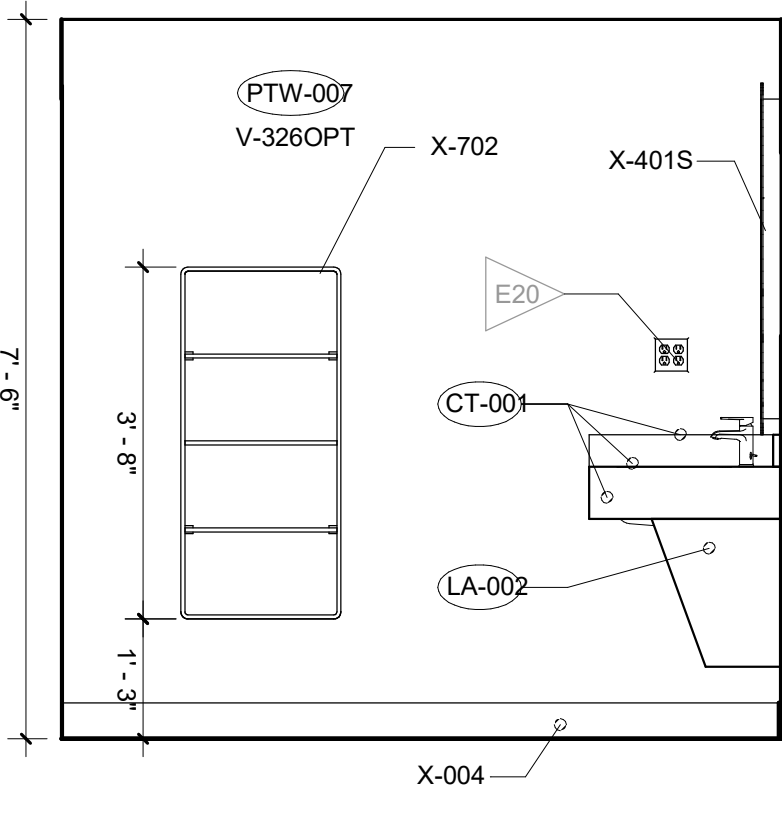
2 D-BATHROOM-ACC QQ-ELEV 1
1/2" = 1'-0"



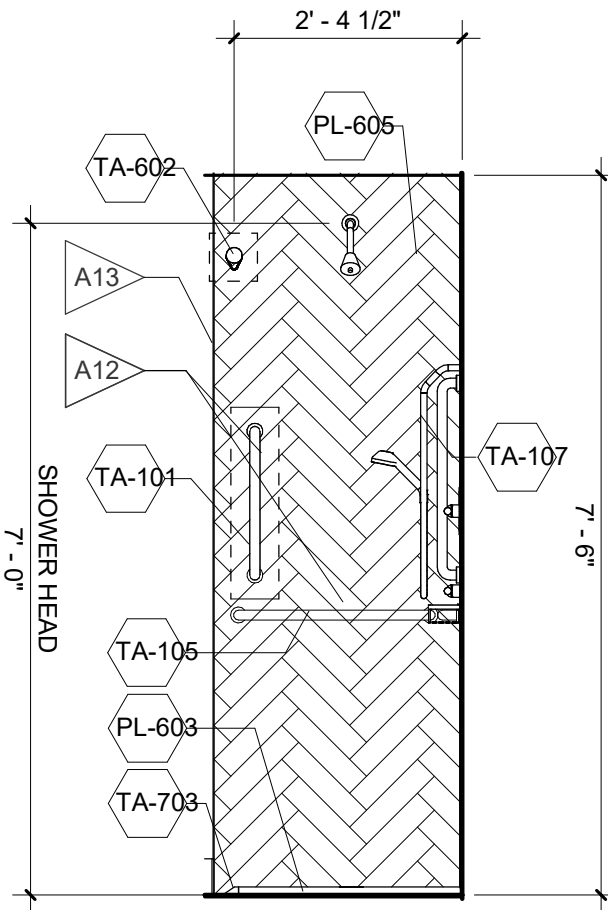
3 D-BATHROOM-ACC QQ-ELEV 2
1/2" = 1'-0"



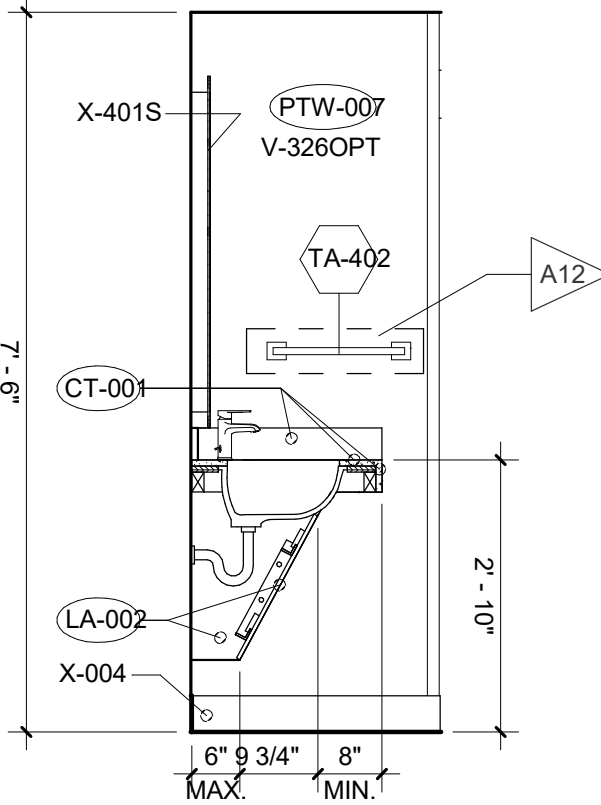
4 D-BATHROOM-ACC QQ-ELEV 3
1/2" = 1'-0"



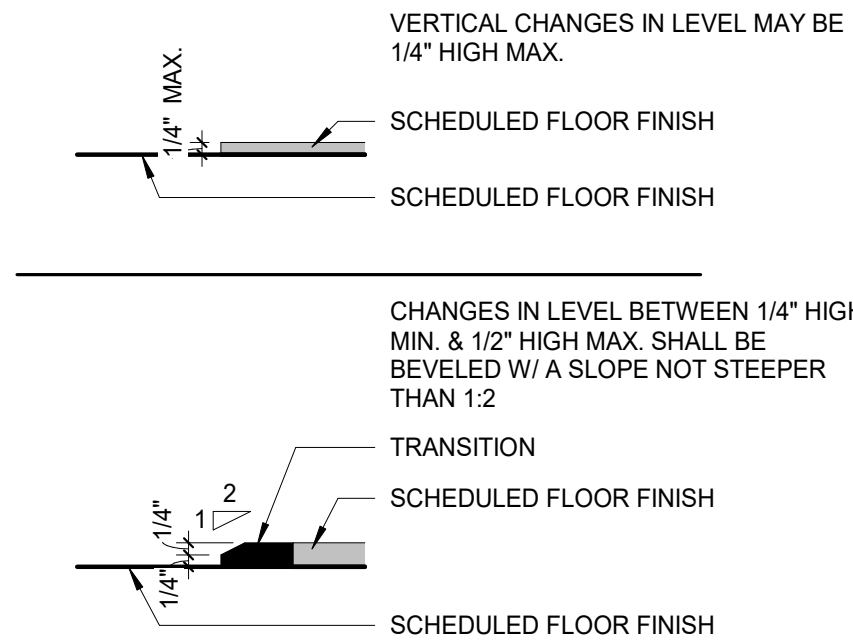
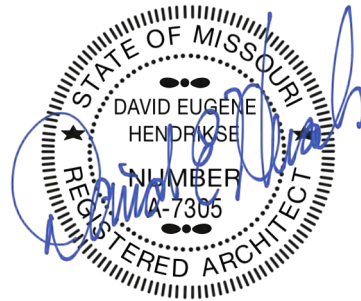
5 D-BATHROOM-ACC QQ-ELEV 4
1/2" = 1'-0"



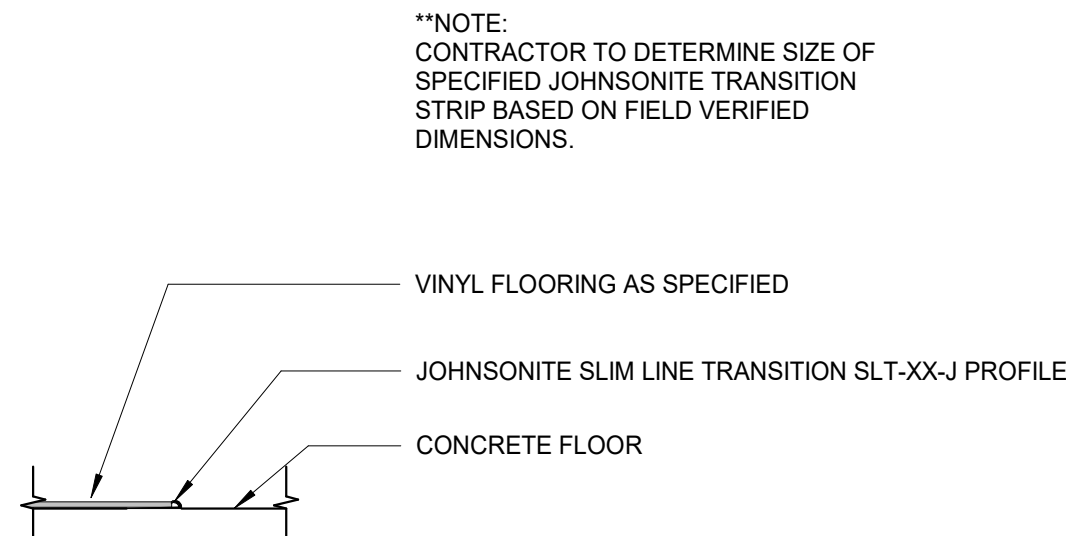
6 D-BATHROOM-ACC QQ-ELEV 5
1/2" = 1'-0"



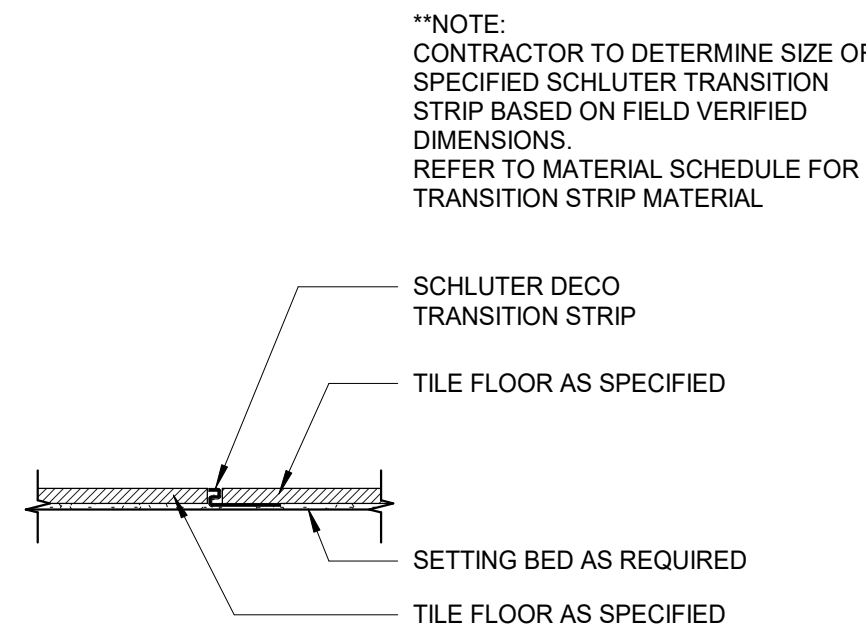
7 D-BATHROOM-ACC QQ-ELEV 6
1/2" = 1'-0"



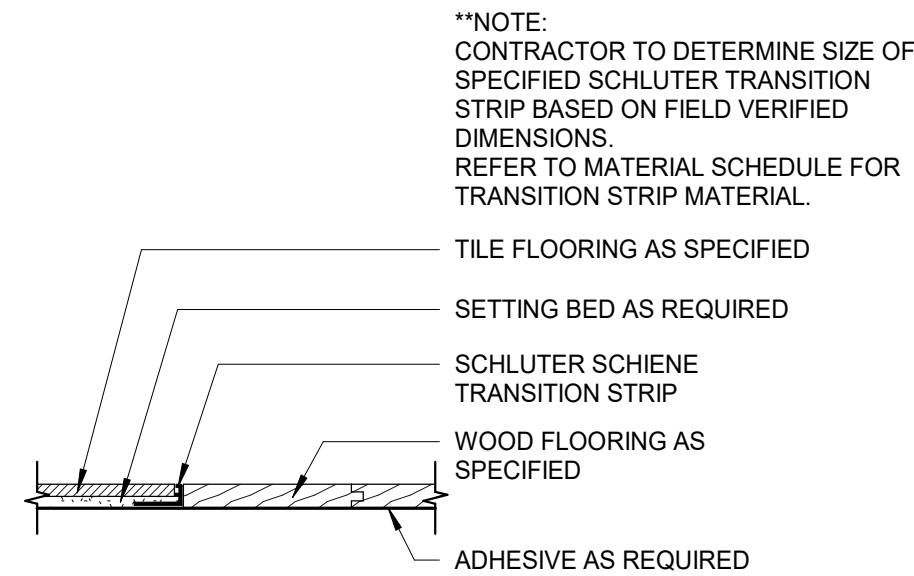
D4 FLOOR FINISH TRANSITION-CHANGE IN LEVEL
SCALE: 3" = 1'-0"



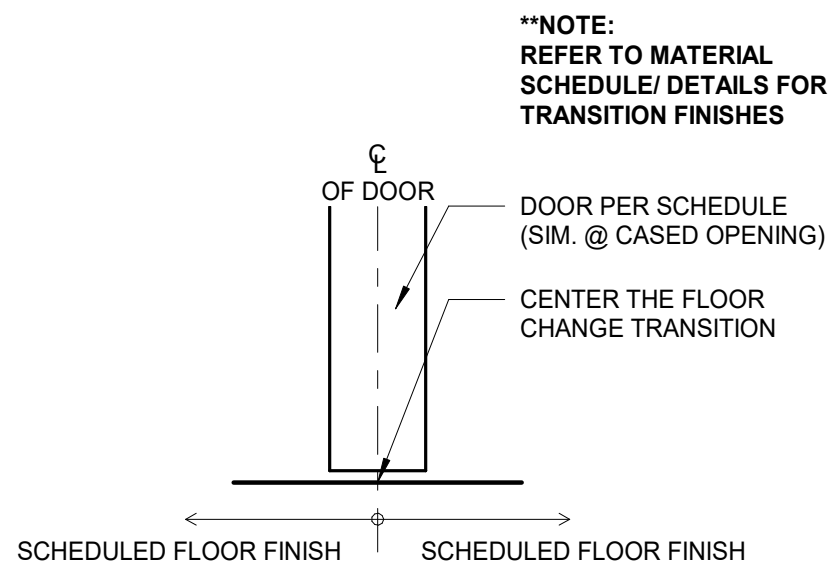
C4 VINYL / CONCRETE TRANSITION
SCALE: 3" = 1'-0"



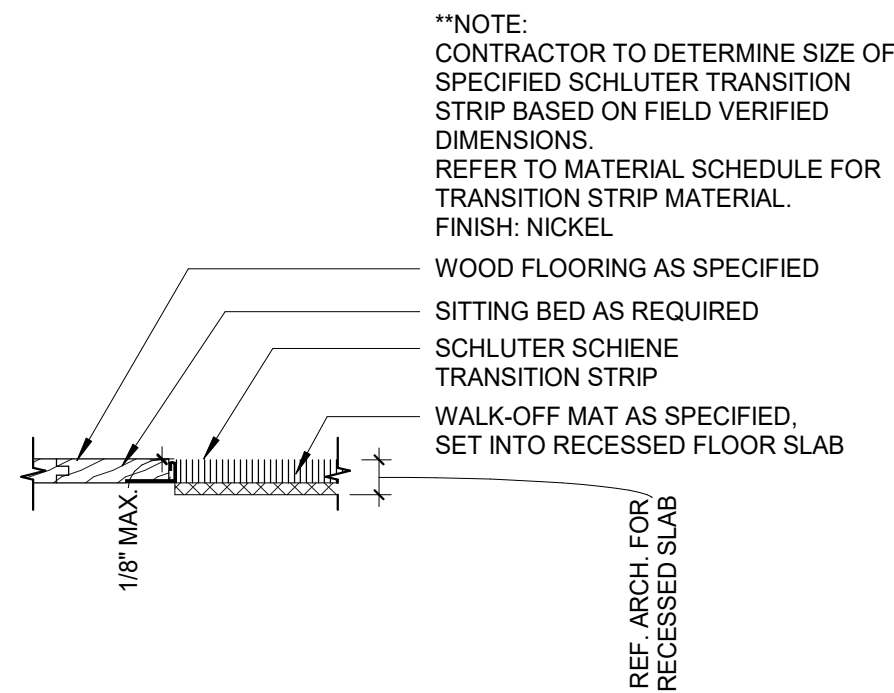
B4 TILE / TILE TRANSITION
SCALE: 3" = 1'-0"



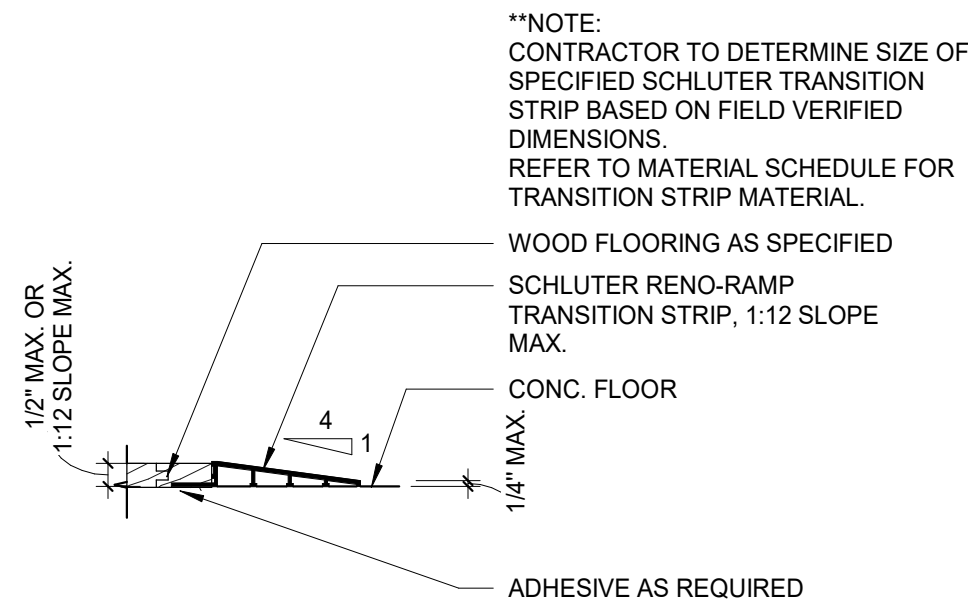
A4 TILE / WOOD TRANSITION
SCALE: 3" = 1'-0"



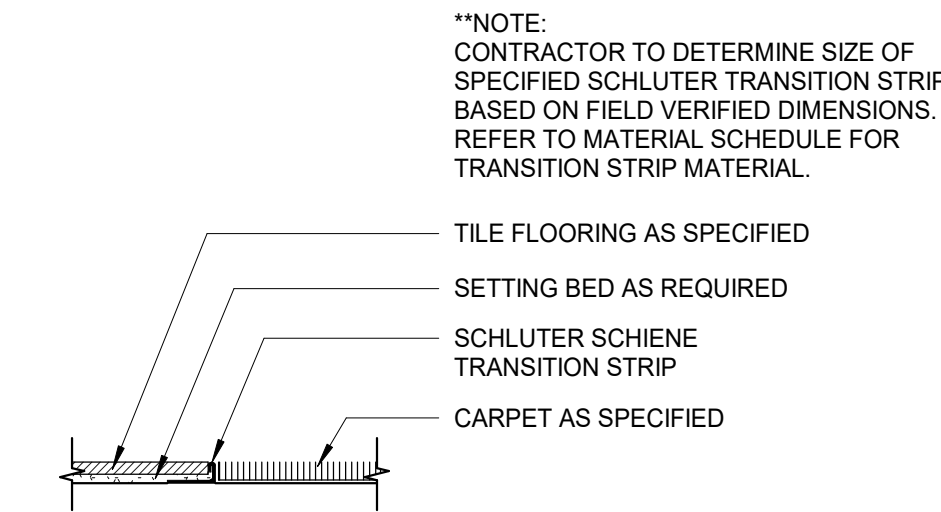
D3 FLOOR FINISH TRANSITION LOCATION
SCALE: 3" = 1'-0"



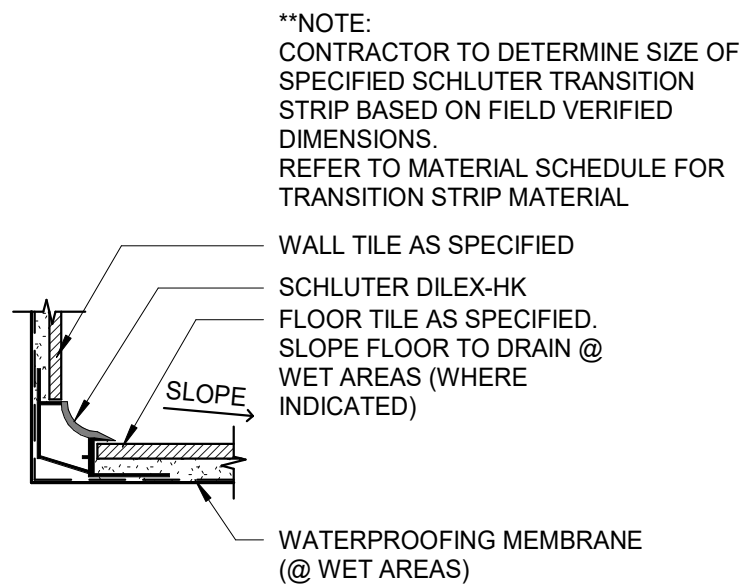
C3 WOOD / WALK-OFF MAT TRANSITION
SCALE: 3" = 1'-0"



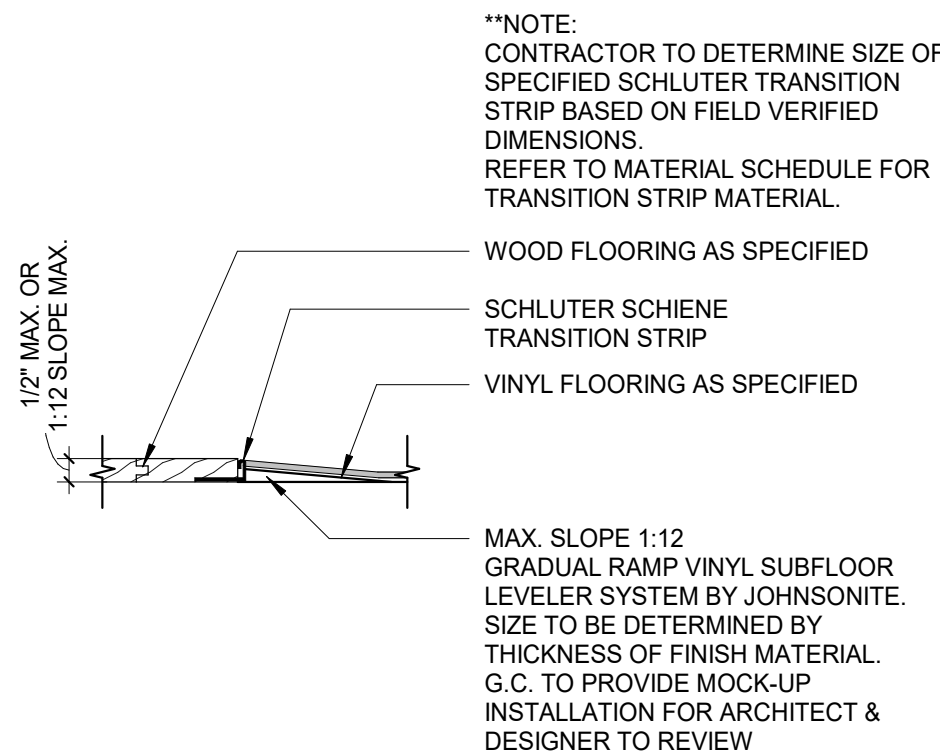
B3 WOOD / CONC. TRANSITION
SCALE: 3" = 1'-0"



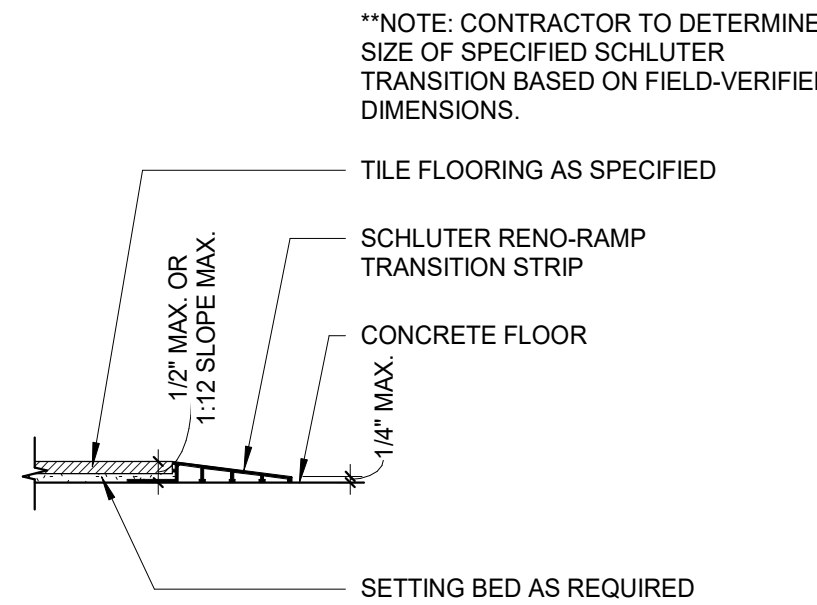
A3 TILE / CARPET TRANSITION
SCALE: 3" = 1'-0"



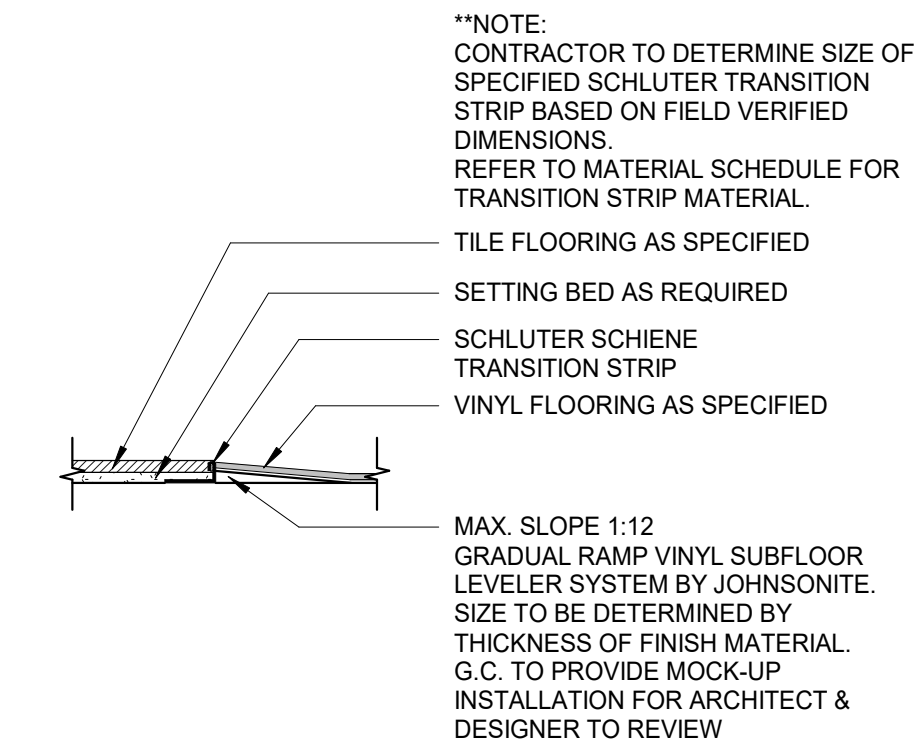
D2 FLOOR TILE TO WALL TILE TRANSITION
SCALE: 3" = 1'-0"



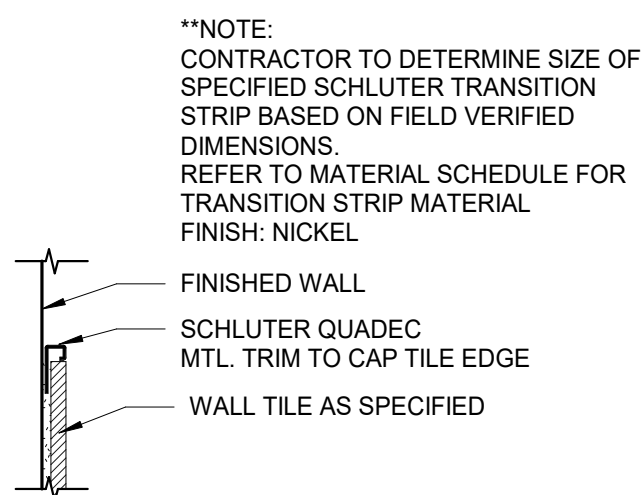
C2 WOOD / VINYL TRANSITION
SCALE: 3" = 1'-0"



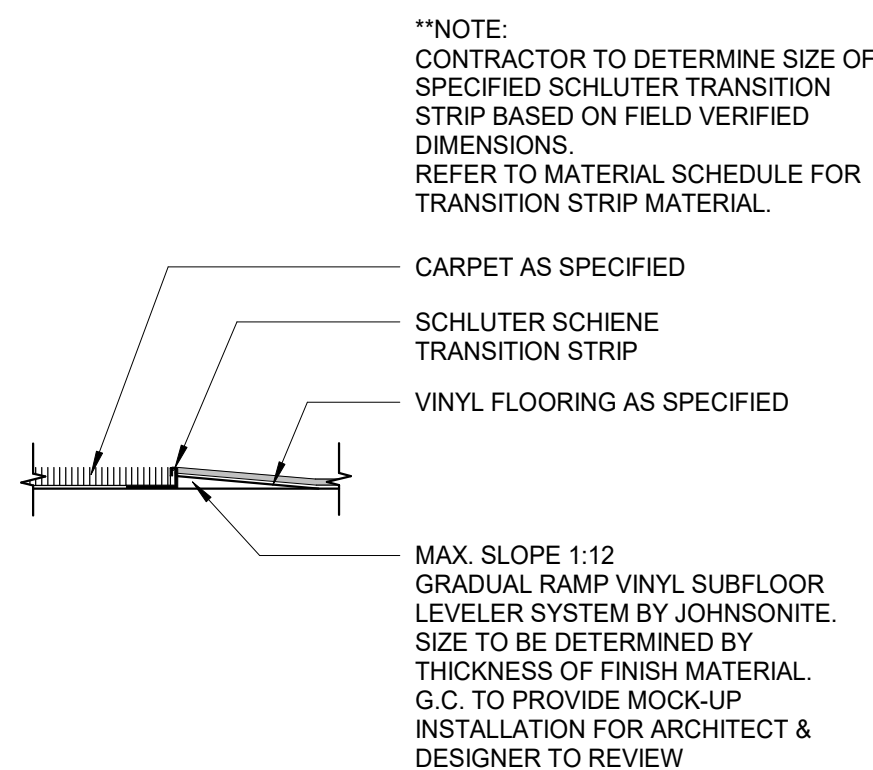
B2 TILE / CONC. TRANSITION
SCALE: 3" = 1'-0"



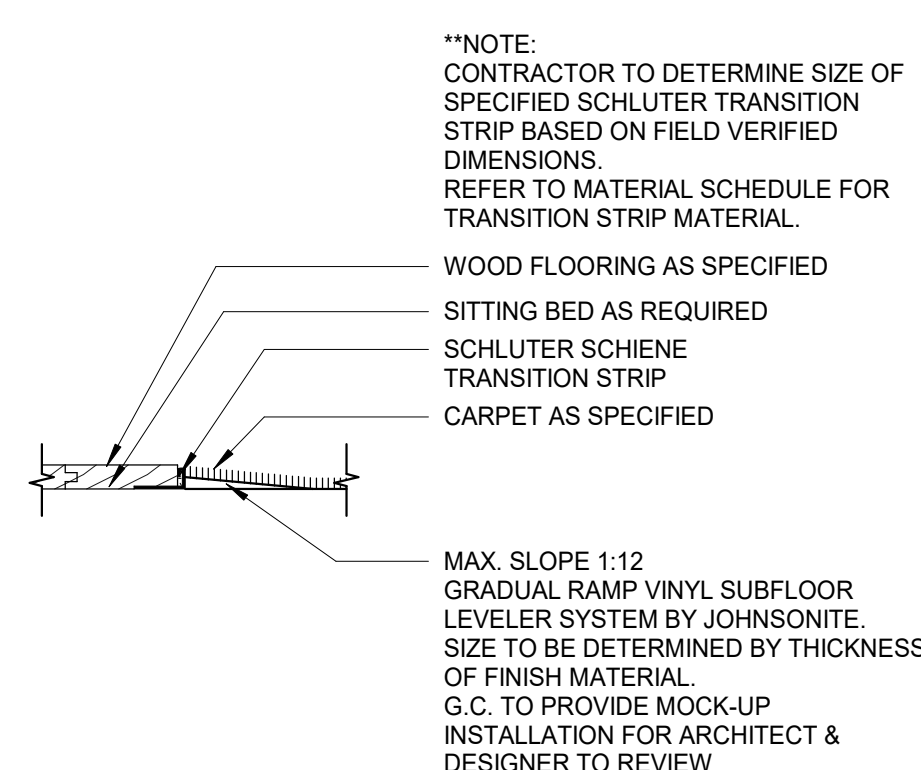
A2 TILE / VINYL TRANSITION
SCALE: 3" = 1'-0"



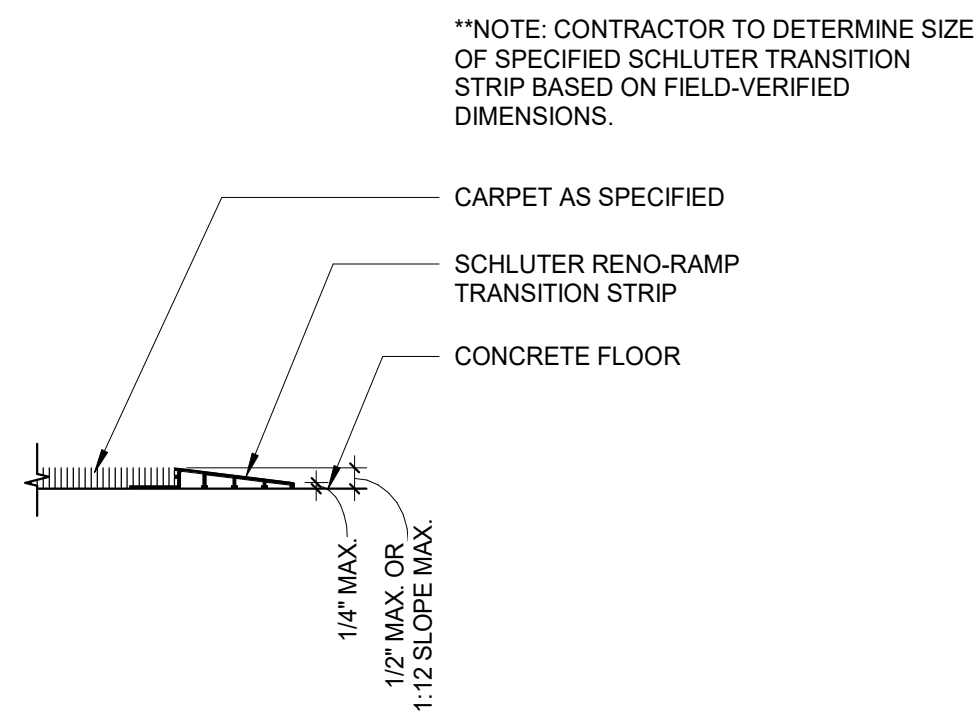
D1 WALL TILE EDGE AT BASE (VERT. & HORIZ.)
SCALE: 3" = 1'-0"



C1 CARPET / VINYL TRANSITION
SCALE: 3" = 1'-0"



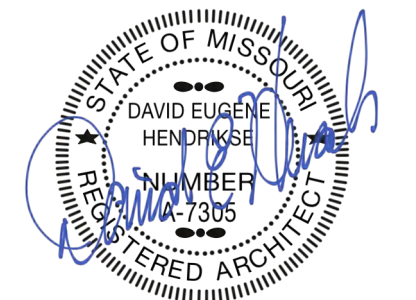
B1 WOOD / CARPET TRANSITION
SCALE: 3" = 1'-0"



A1 CARPET / CONC. TRANSITION
SCALE: 3" = 1'-0"

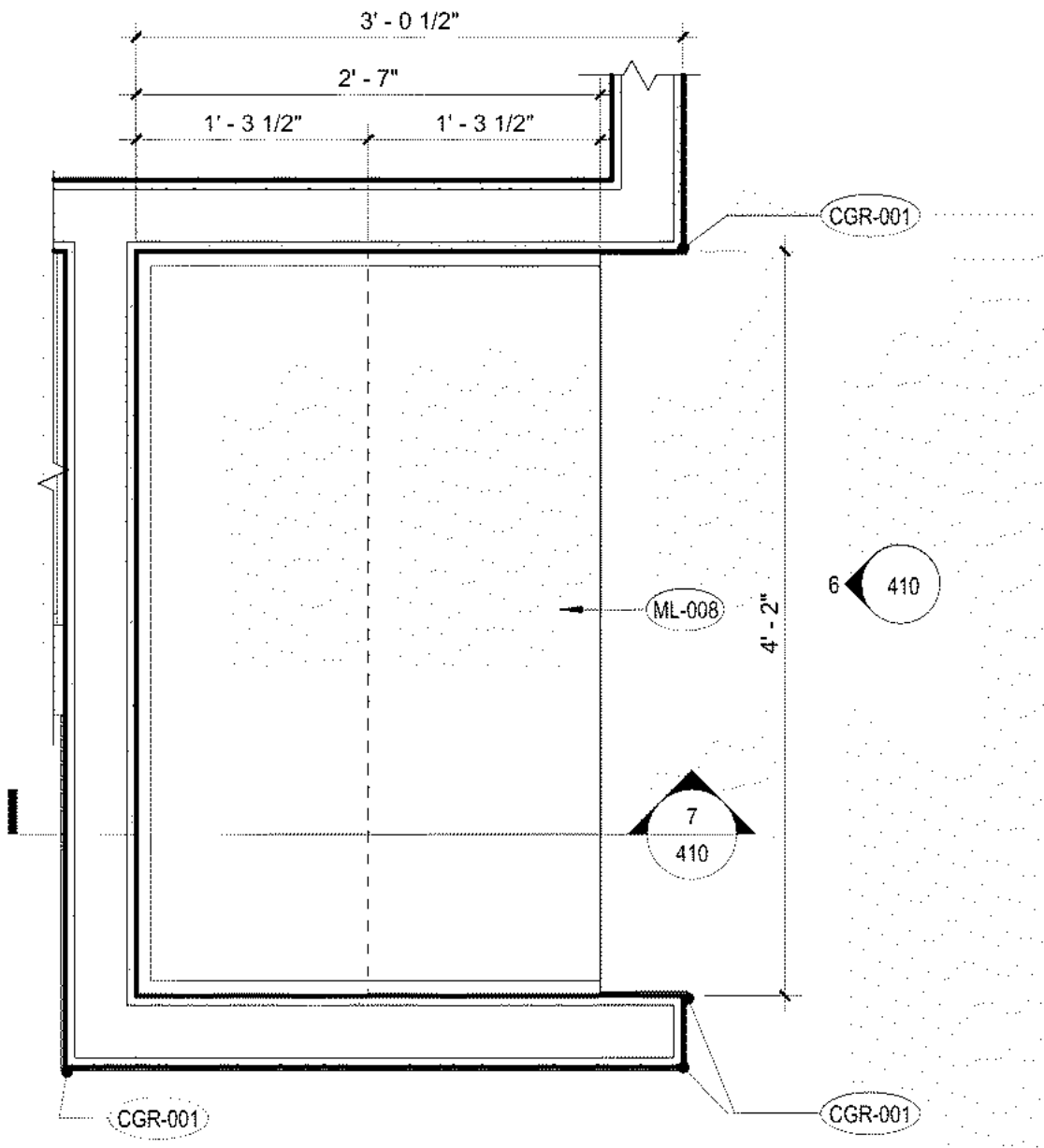
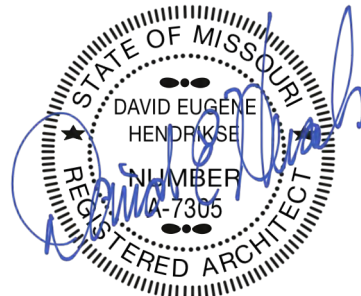


5 BUFFET ISLAND MILLWORK
ELEVATION - END 2
1/2" = 1'-0"

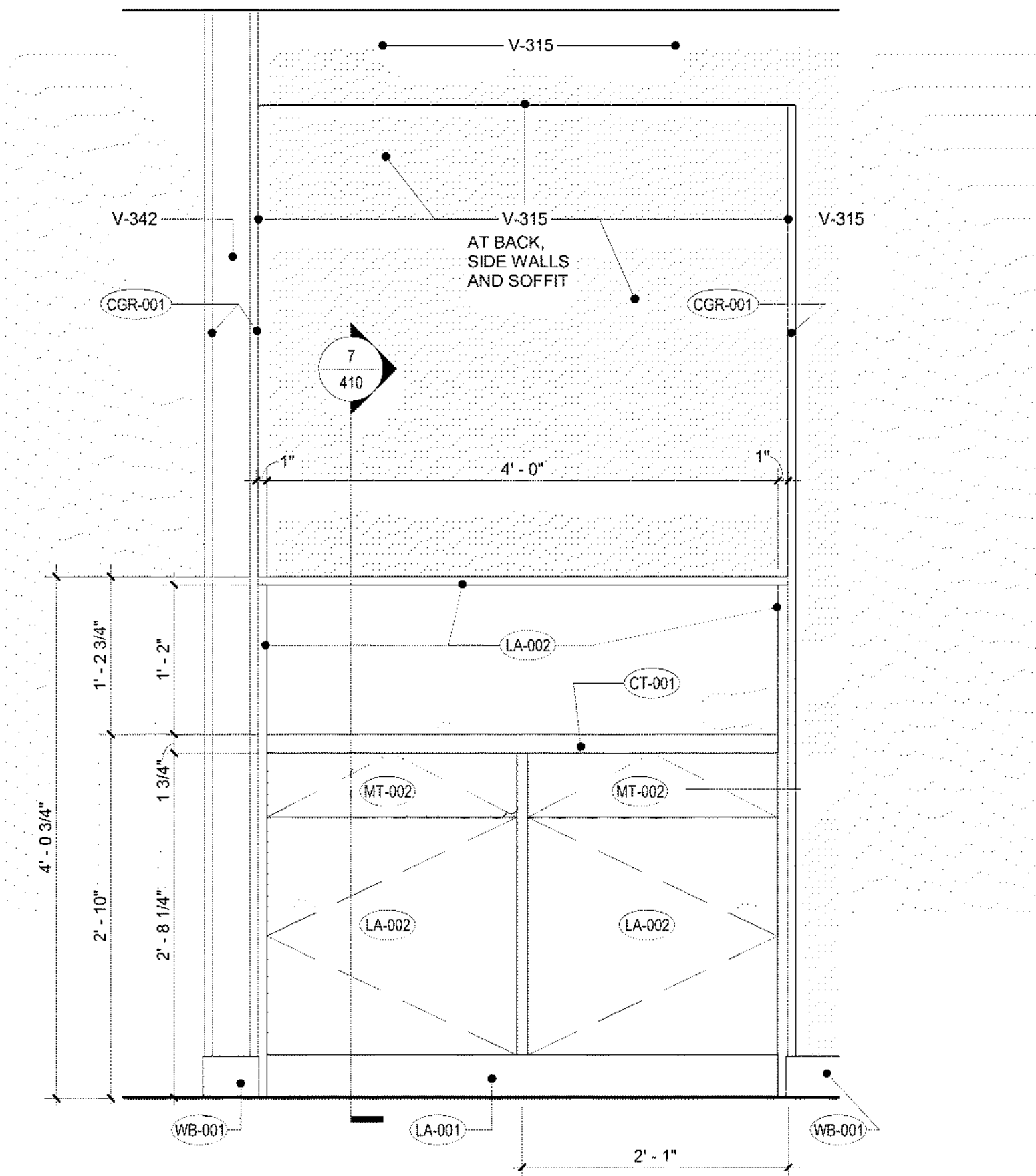


SHEET NUMBER:

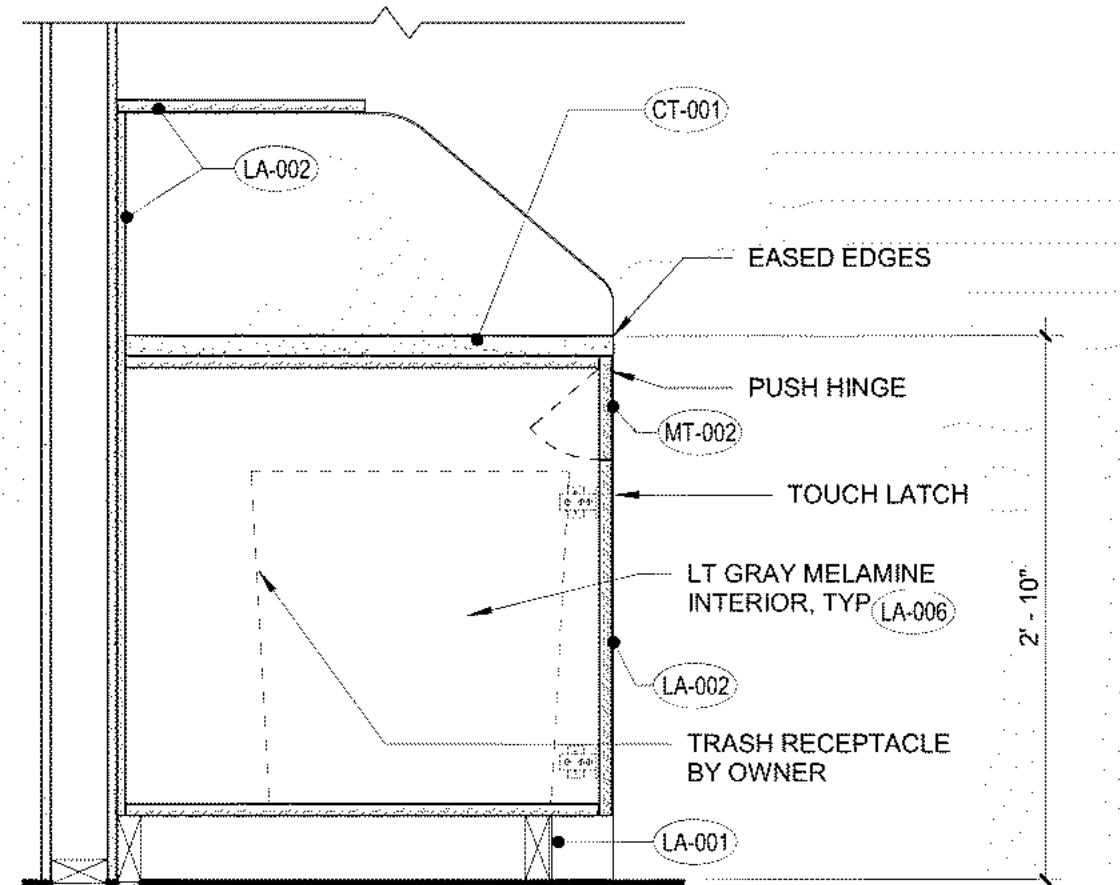
A-716



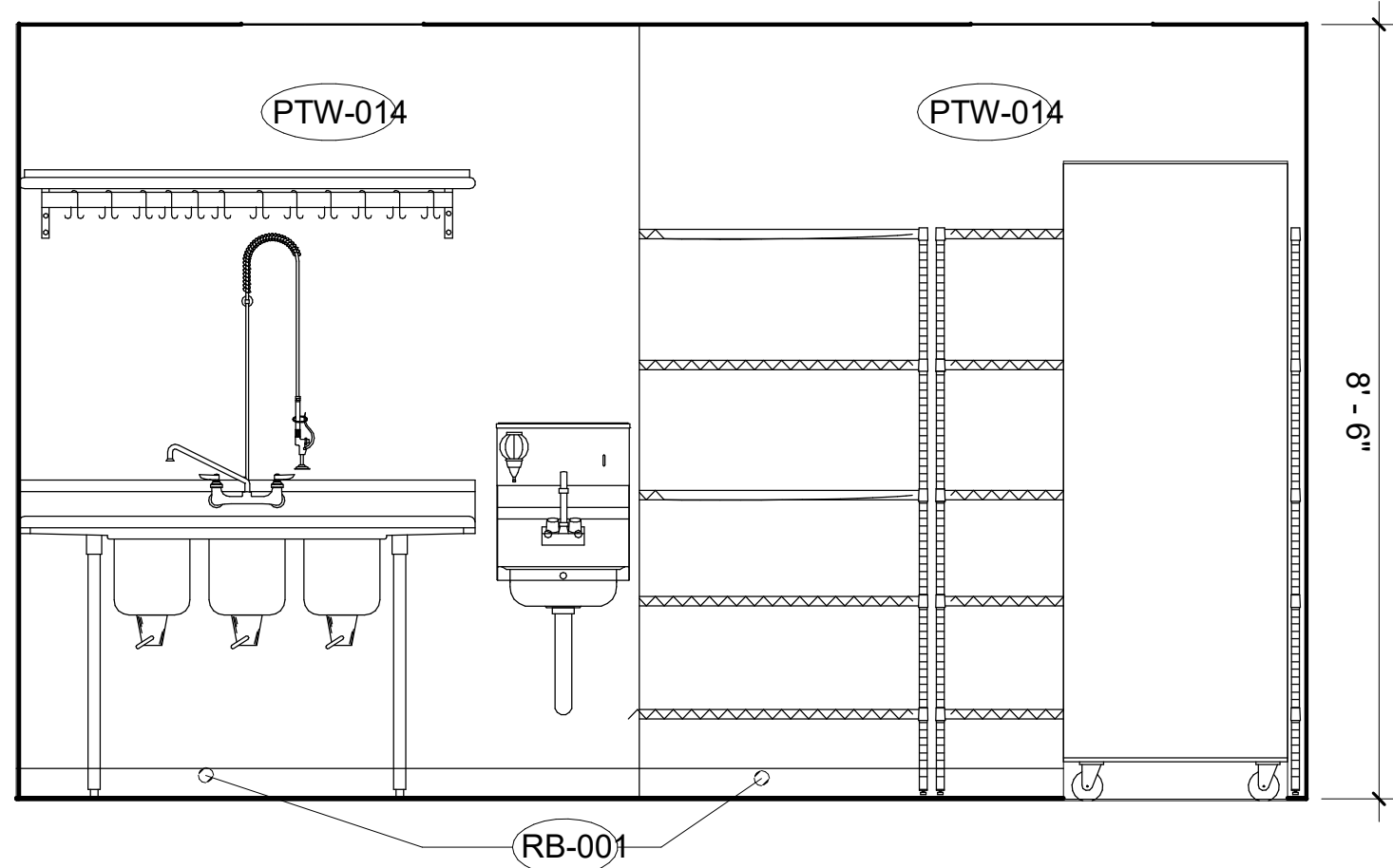
2 BUSSING STATION PLAN
1/2" = 1'-0"



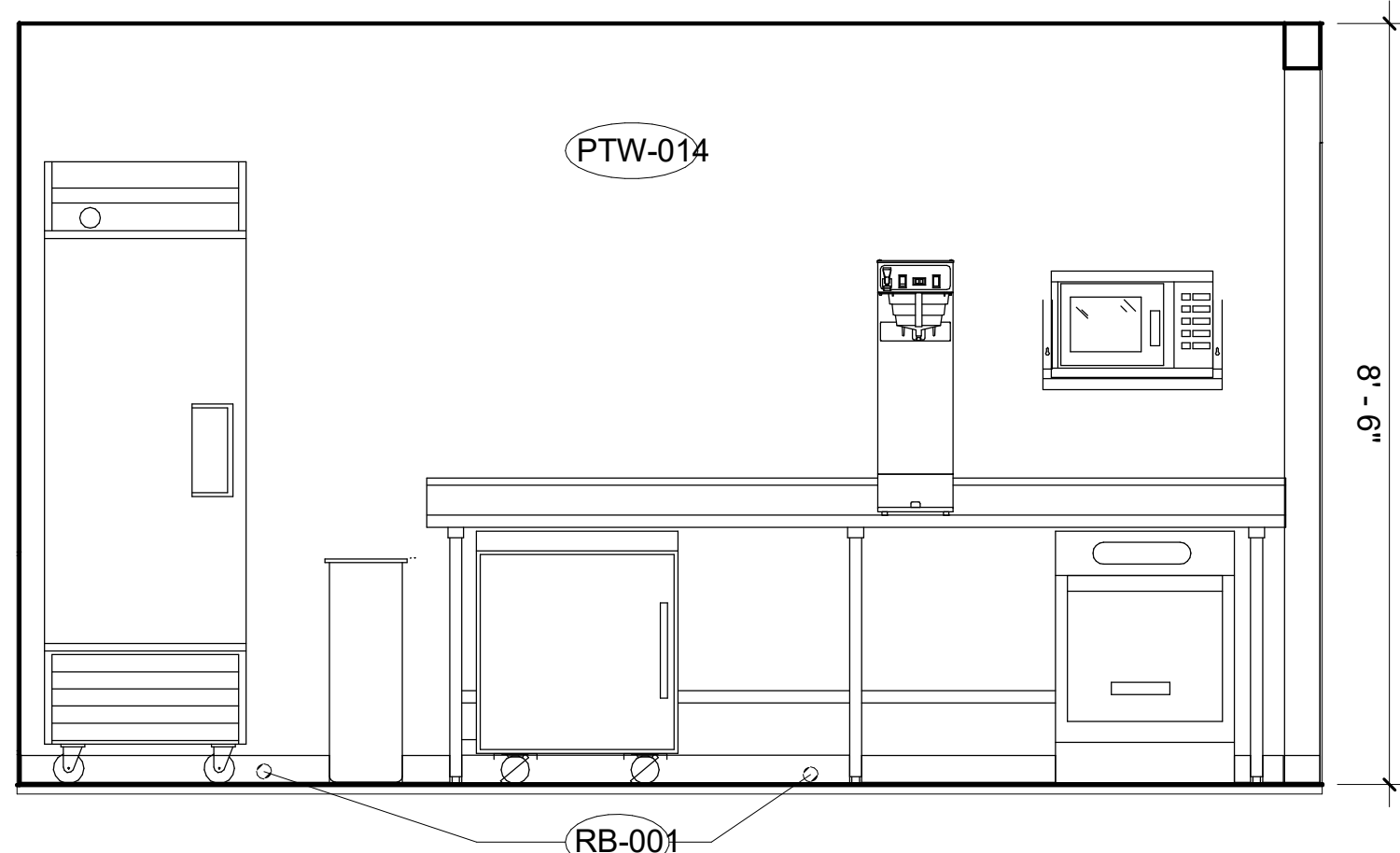
1 BUSSING STATION ELEVATION
1" = 1'-0"



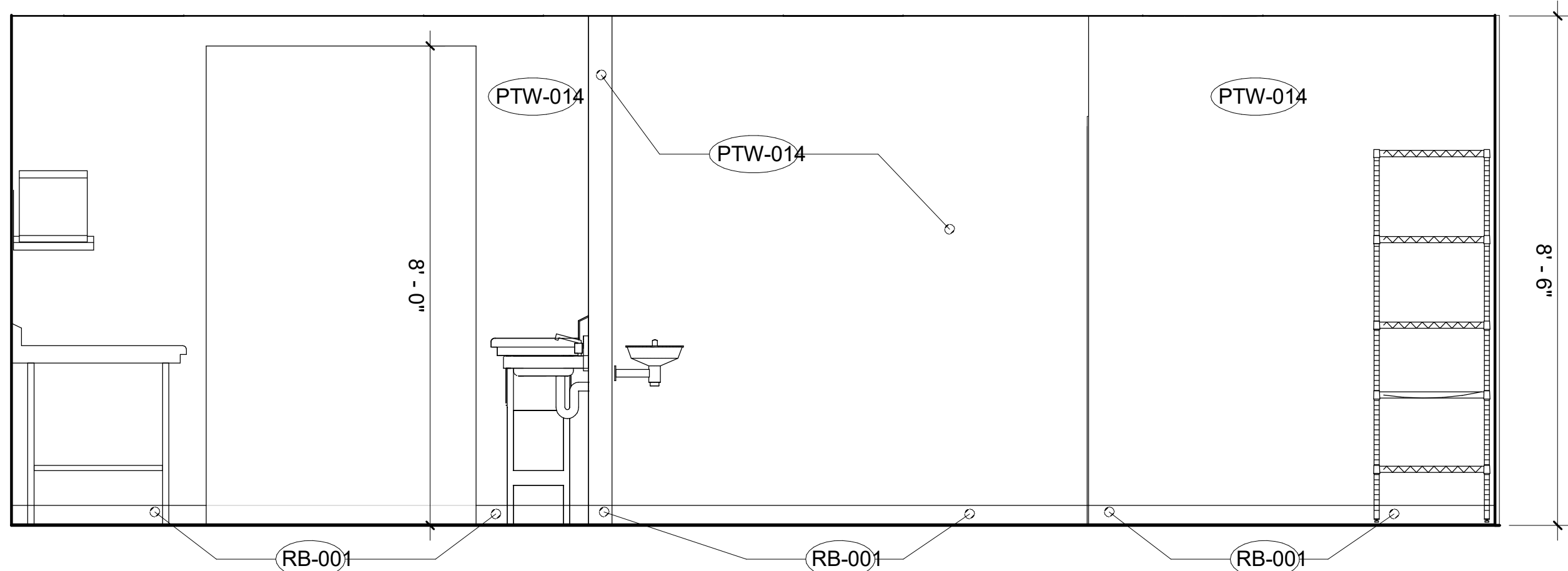
3 BUSSING STATION SECTION
1/2" = 1'-0"



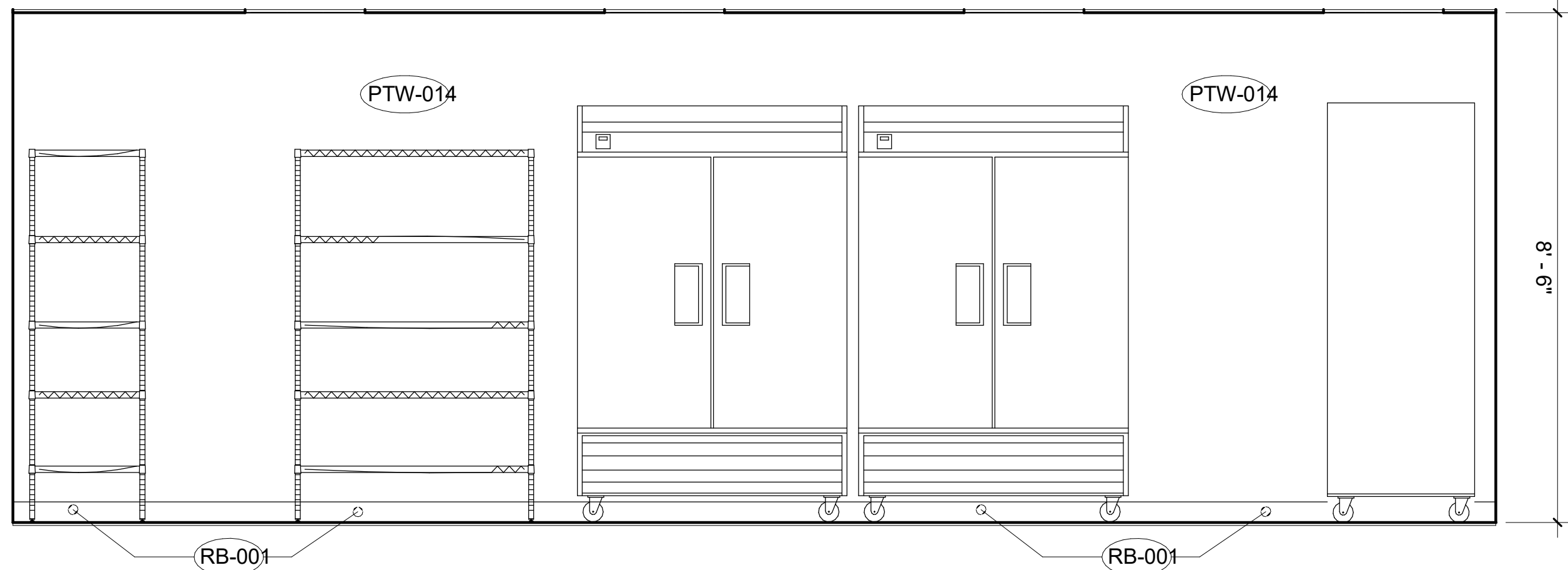
4 FOOD PREP ELEVATION
1/2" = 1'-0"



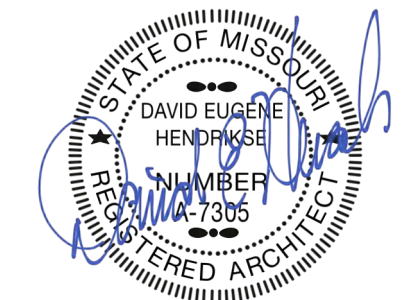
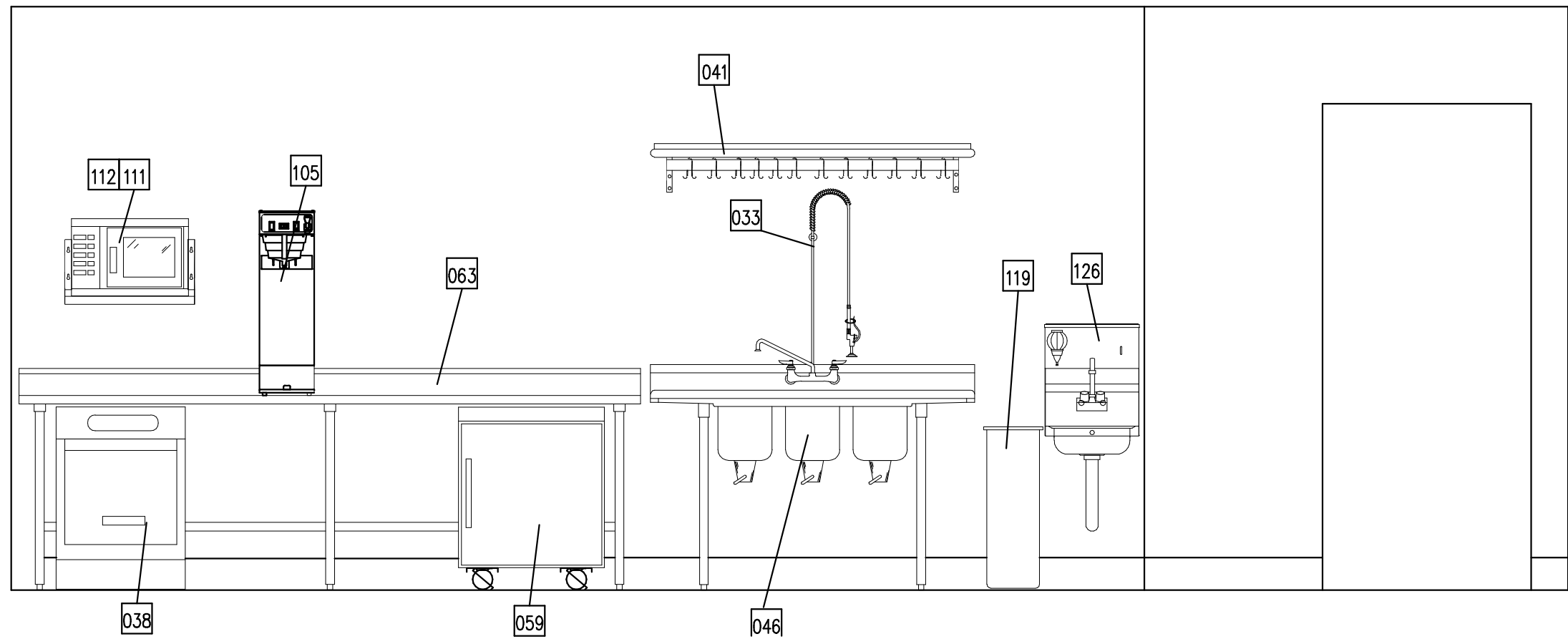
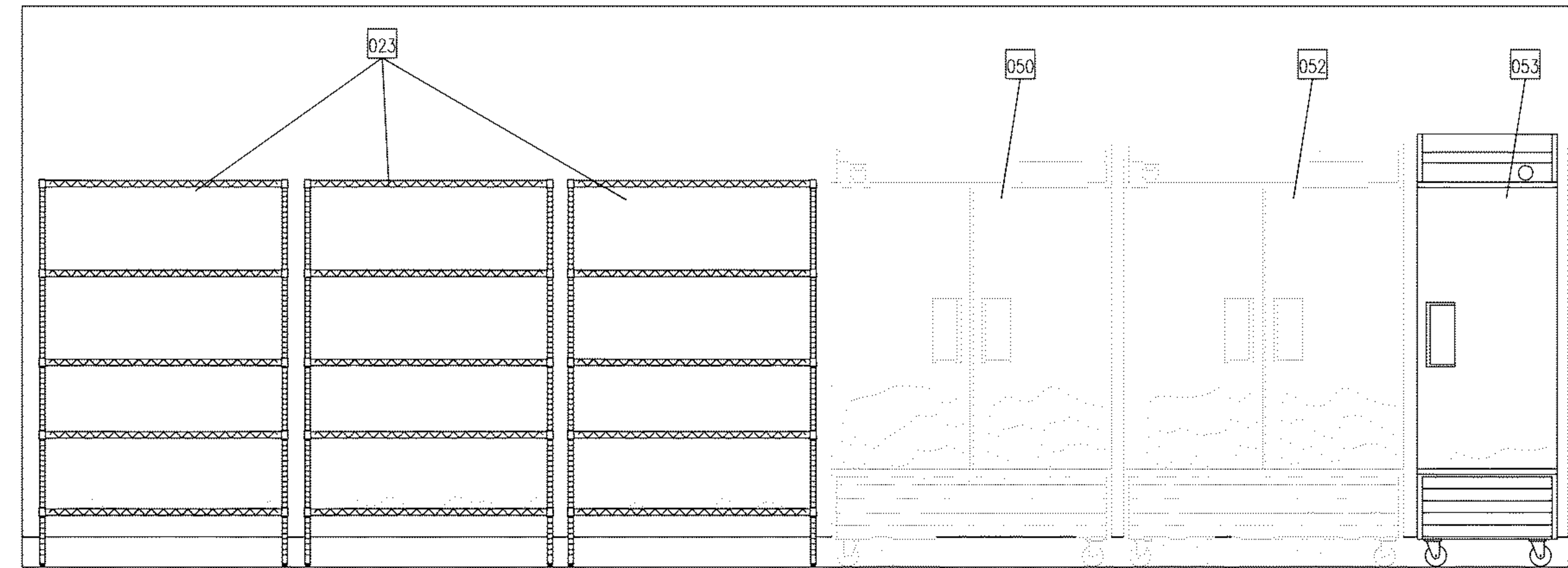
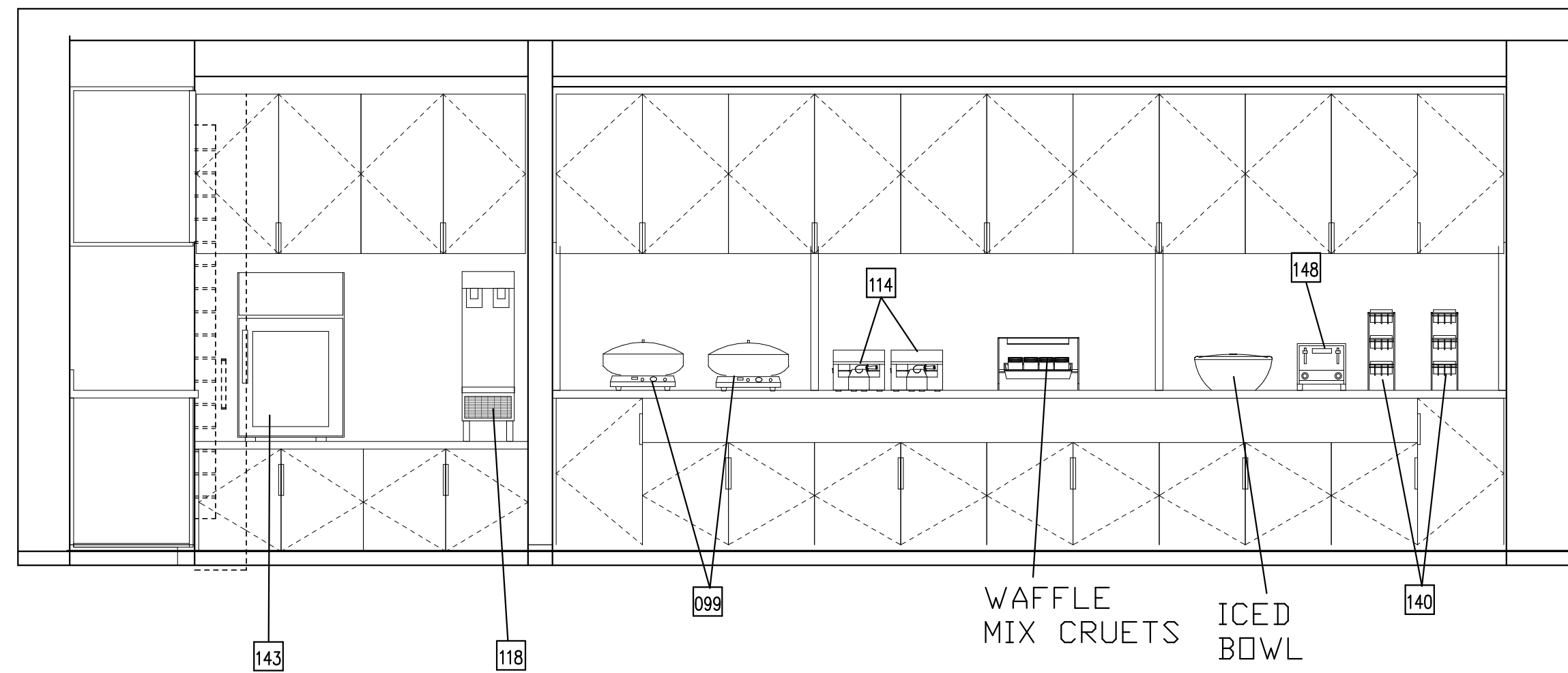
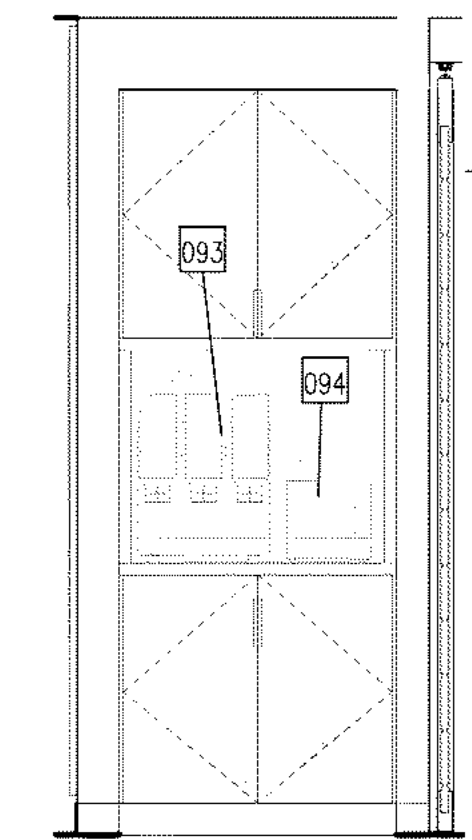
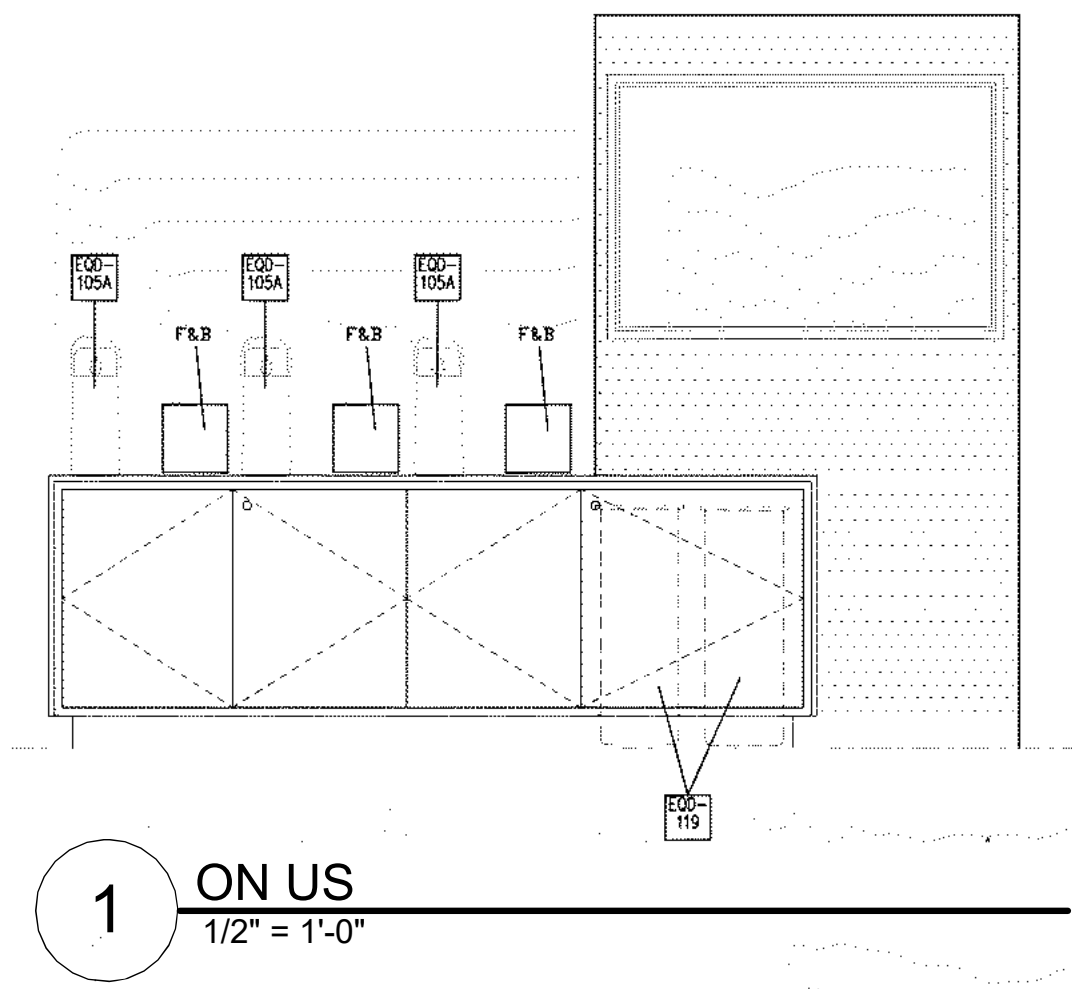
5 FOOD PREP ELEVATION 2
1/2" = 1'-0"

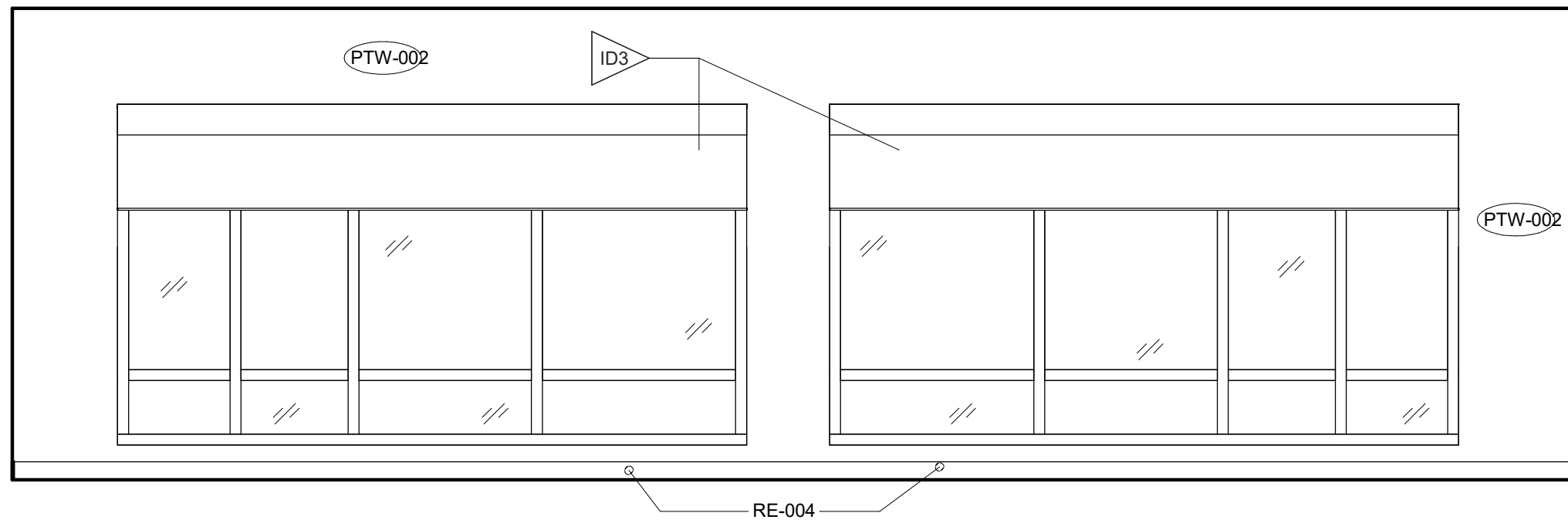


7 FOOD PREP ELEVATION 4
1/2" = 1'-0"

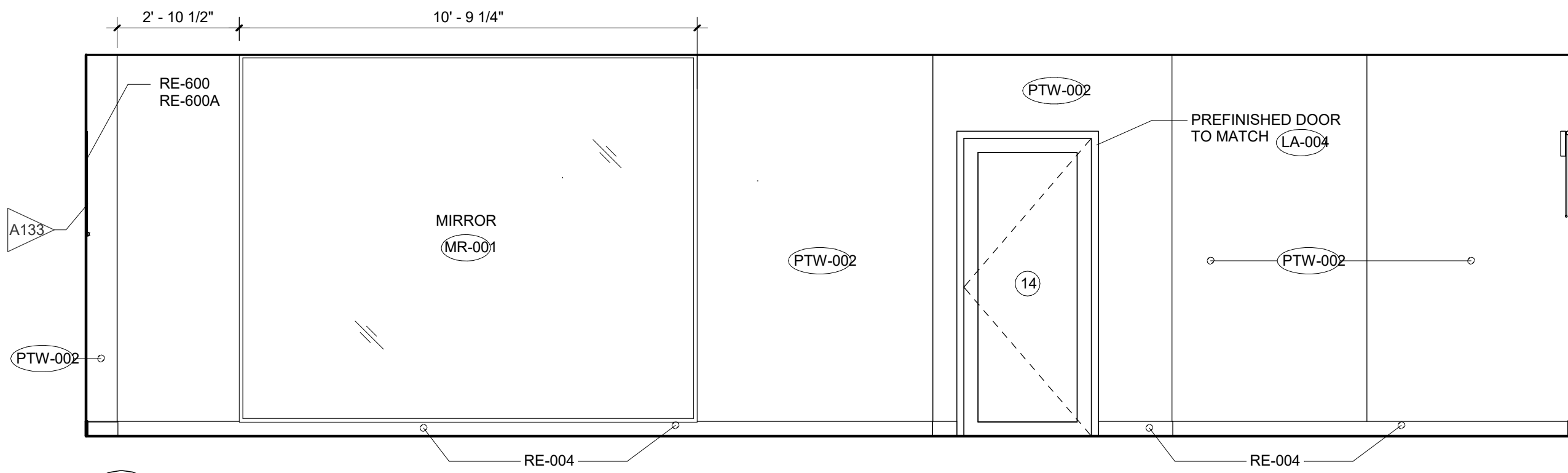


6 FOOD PREP ELEVATION 3
1/2" = 1'-0"

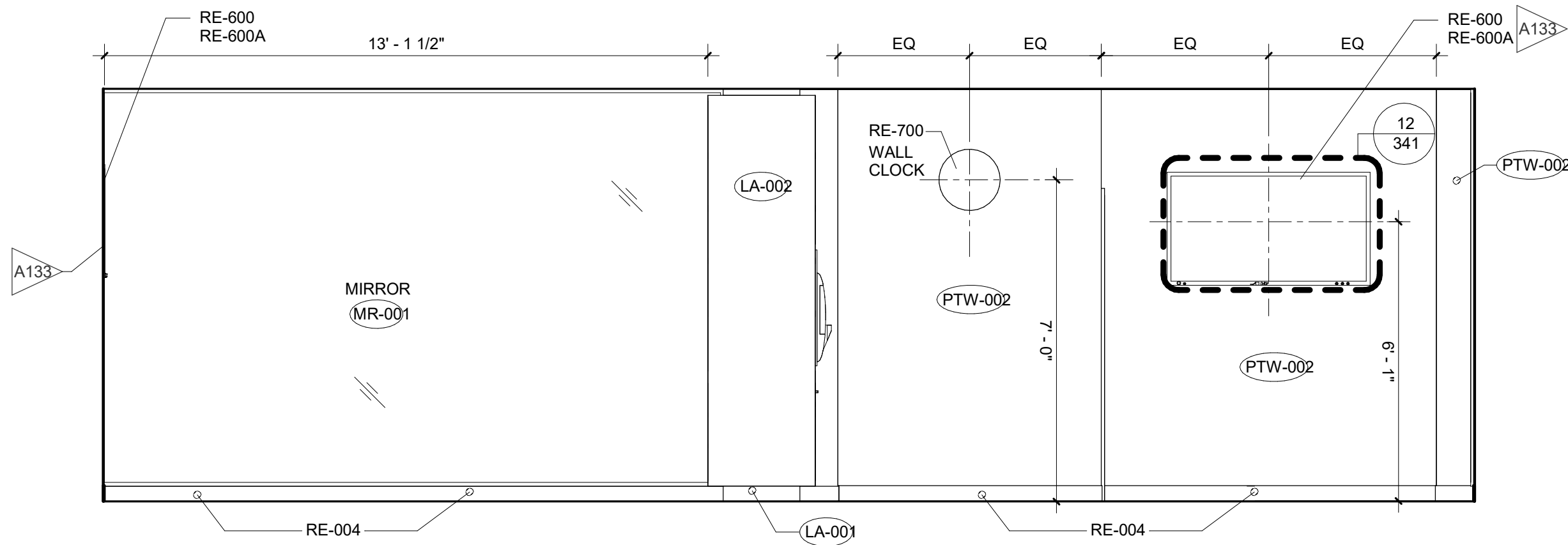




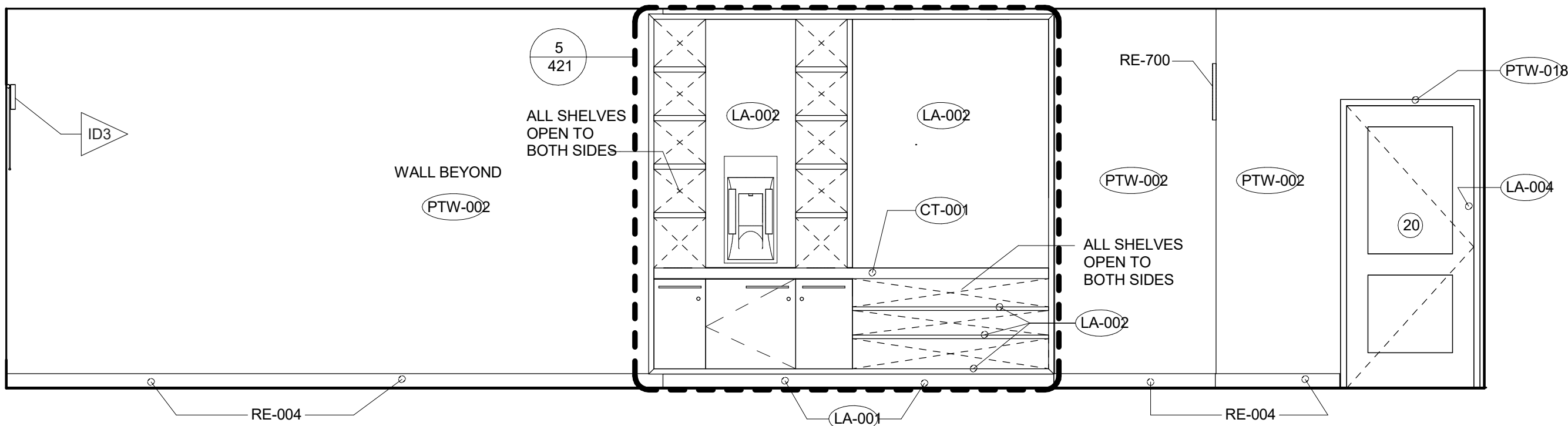
1 FITNESS CENTER ELEVATION
3/8" = 1'-0"



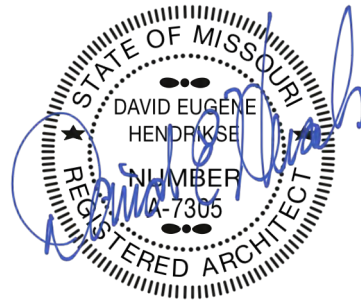
2 FITNESS CENTER ELEVATION 2
3/8" = 1'-0"



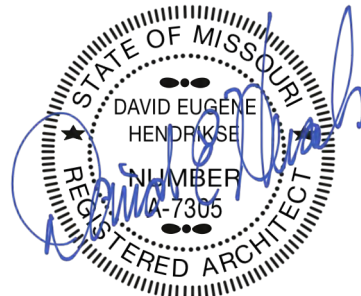
3 FITNESS CENTER ELEVATION 3
3/8" = 1'-0"



4 FITNESS CENTER ELEVATION 4
3/8" = 1'-0"



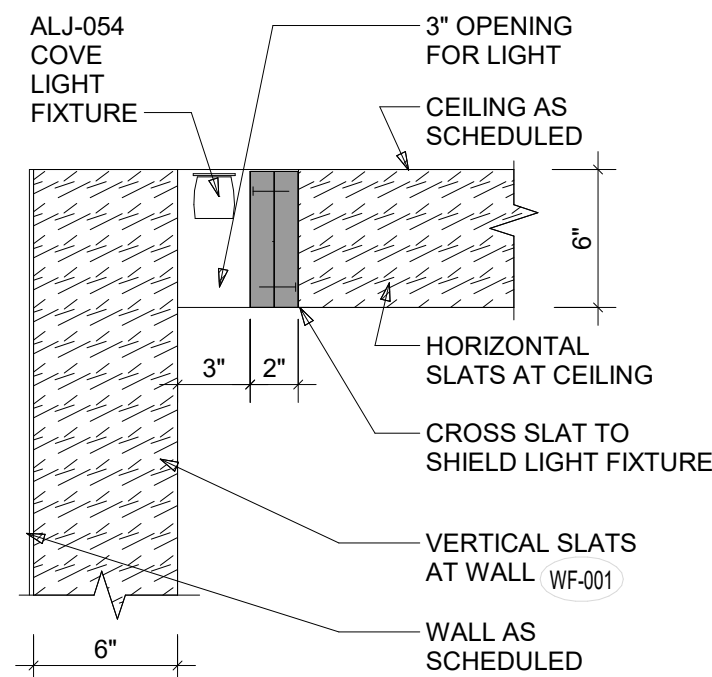




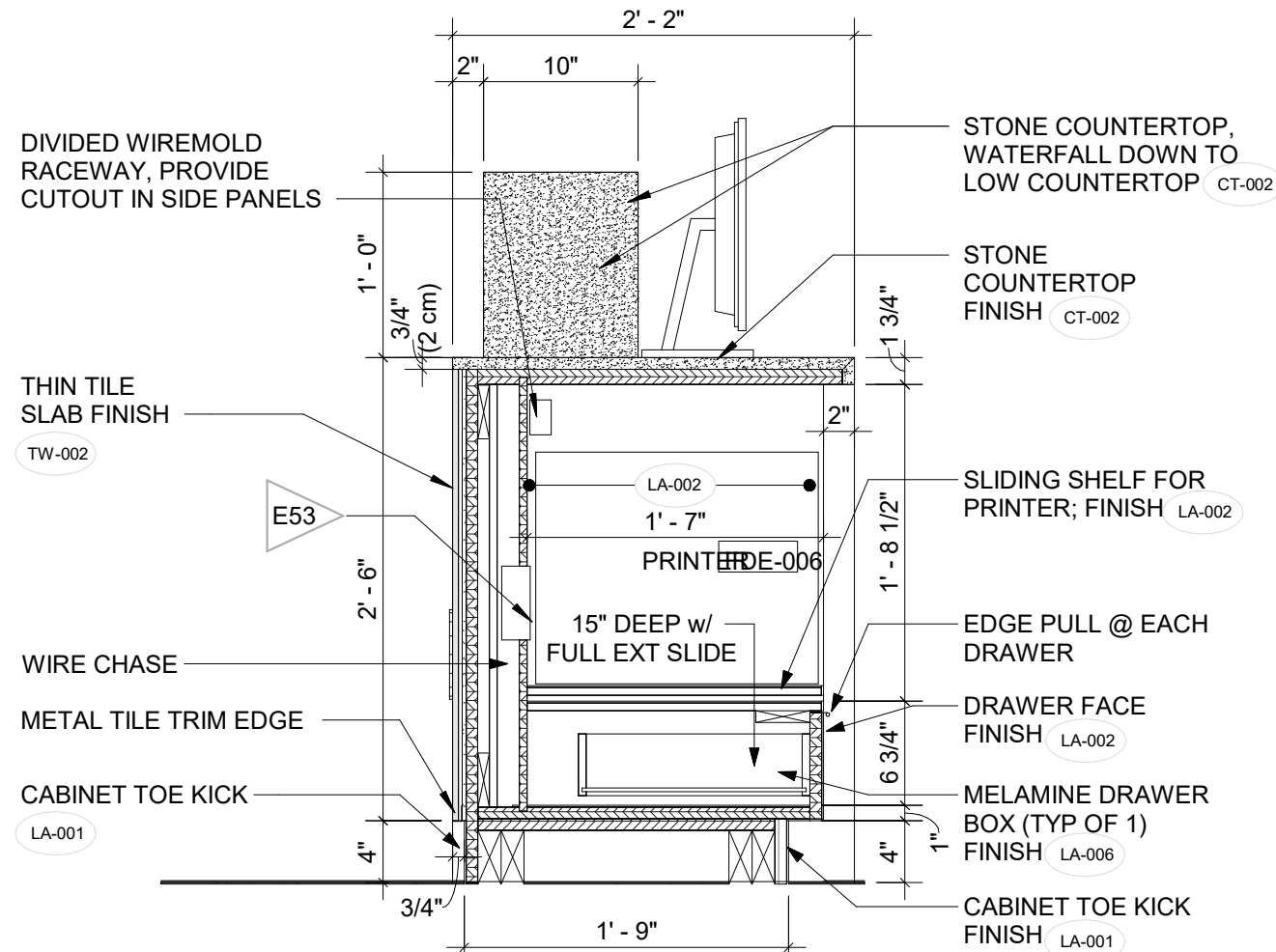
TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
WELCOME DESK
PROJECT NUMBER: 23098
SHEET NUMBER:

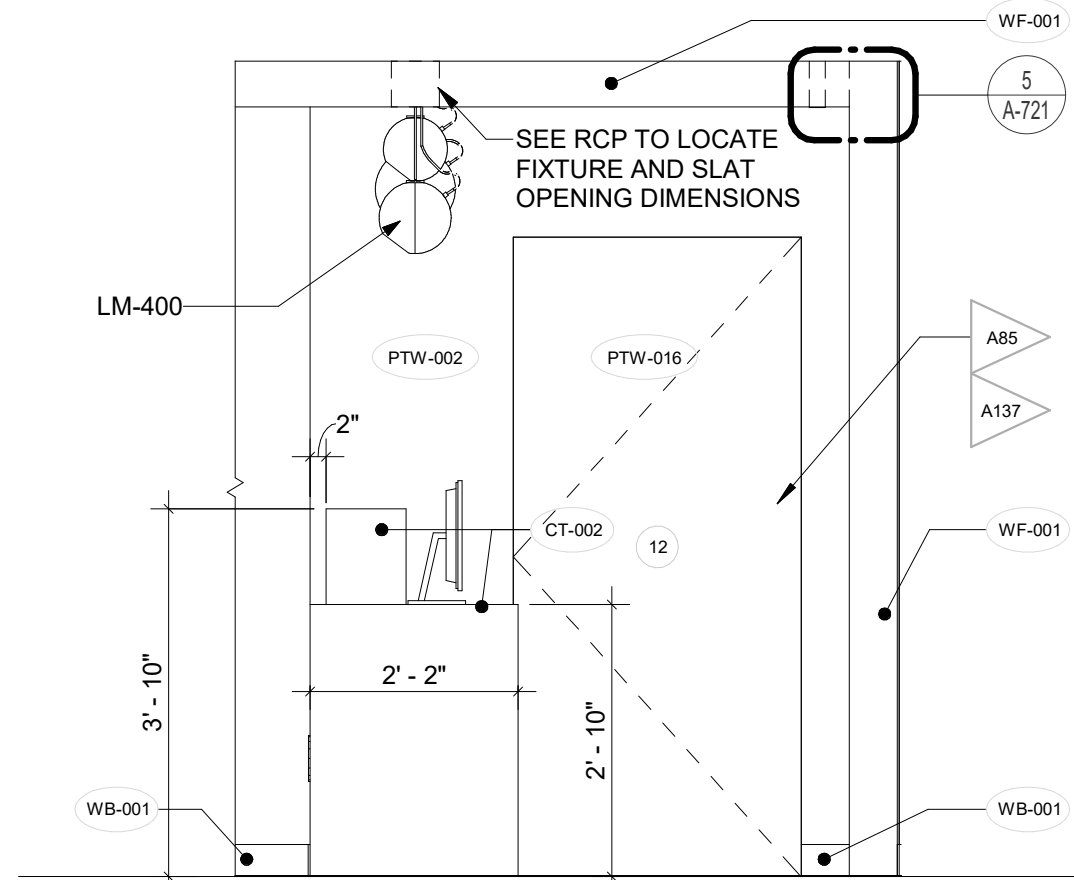
A-721



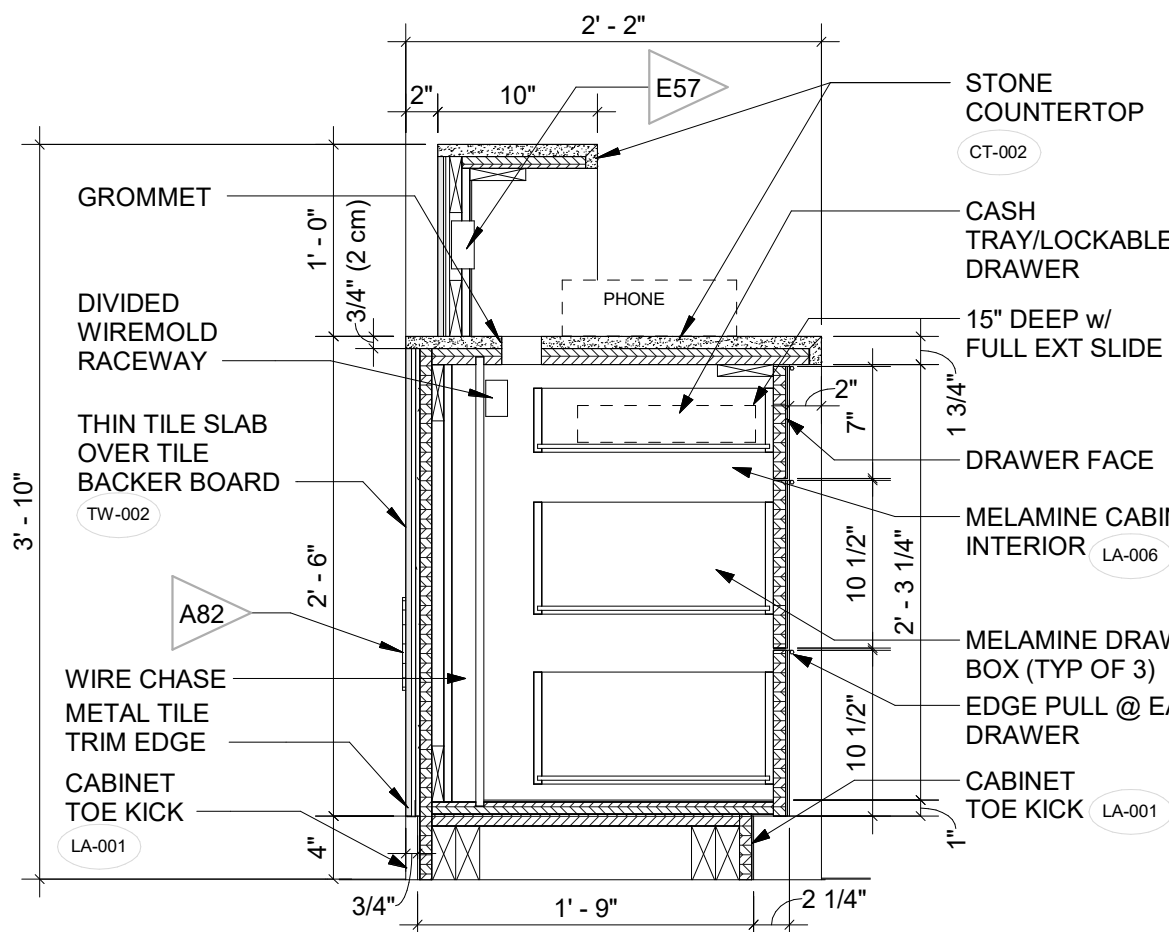
5 WELCOME DESK COVE LIGHTING
1 1/2" = 1'-0"



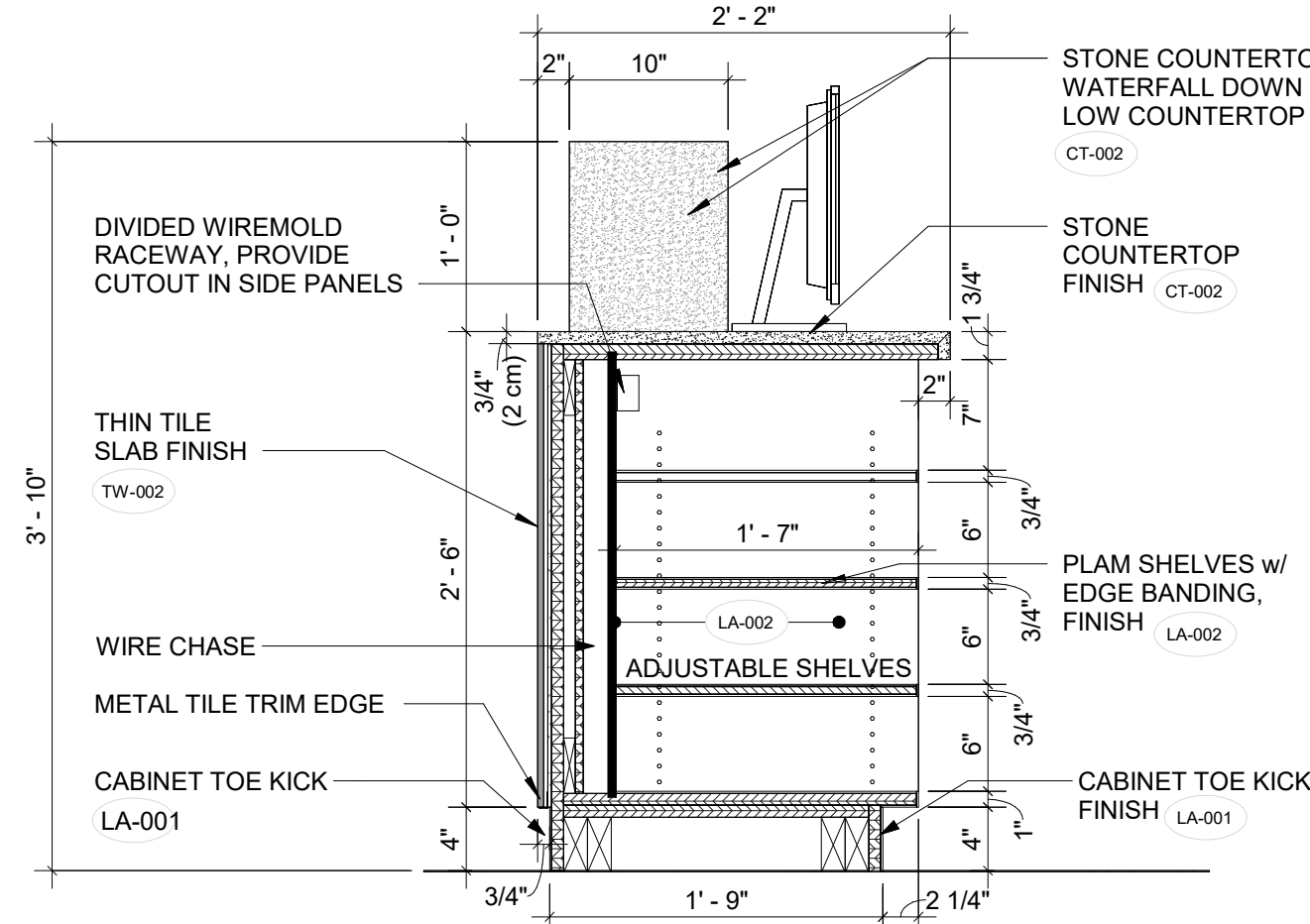
7 WELCOME DESK LOW COUNTER
SECTION @ DRAWER
1" = 1'-0"



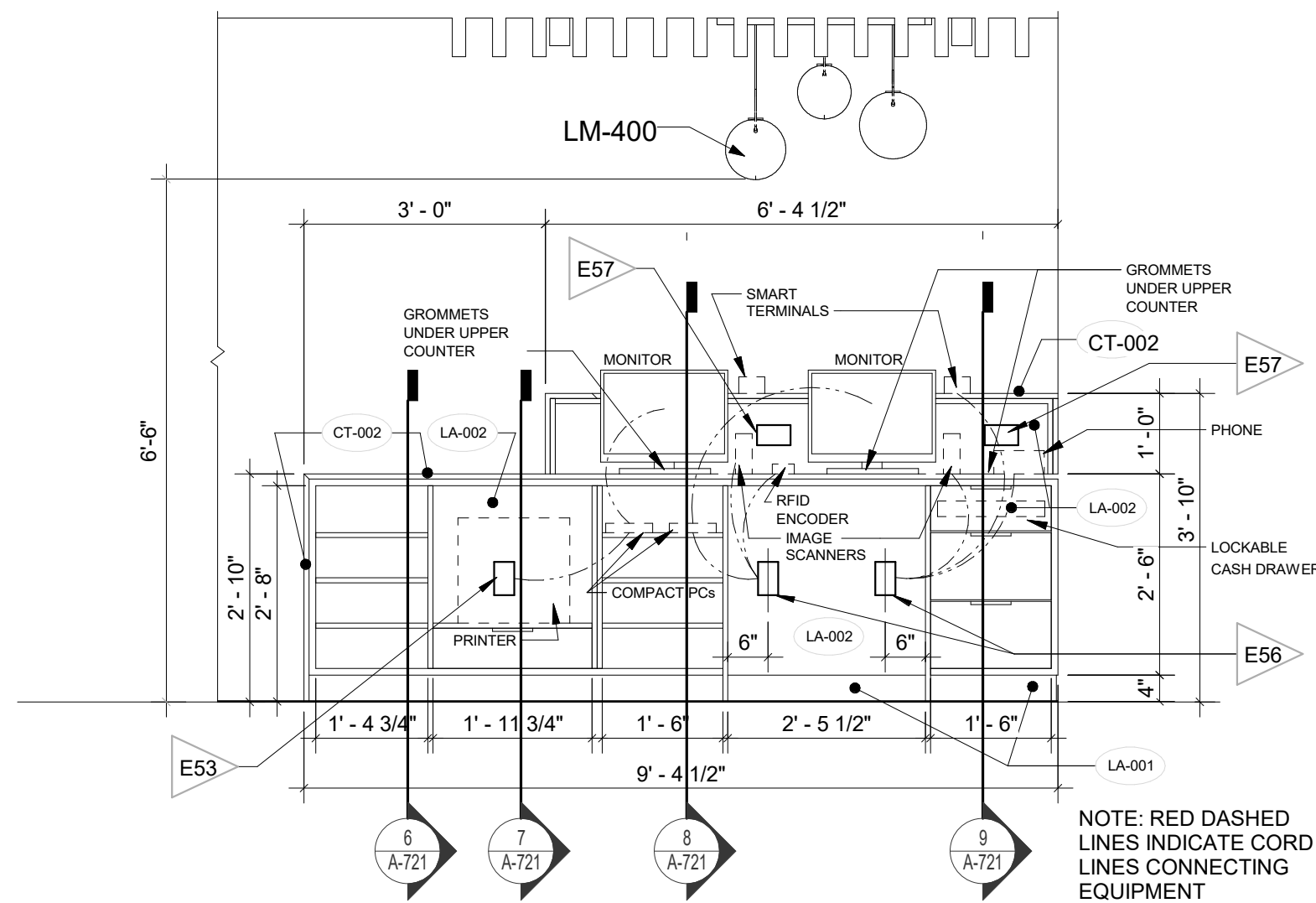
3 WELCOME DESK ELEVATION 2
1/2" = 1'-0"

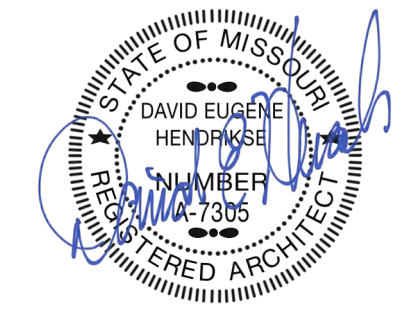


9 WELCOME DESK UPPER
COUNTER SECTION @ DRAWERS
1" = 1'-0"



6 WELCOME DESK LOW COUNTER
SECTION DETAIL
1" = 1'-0"



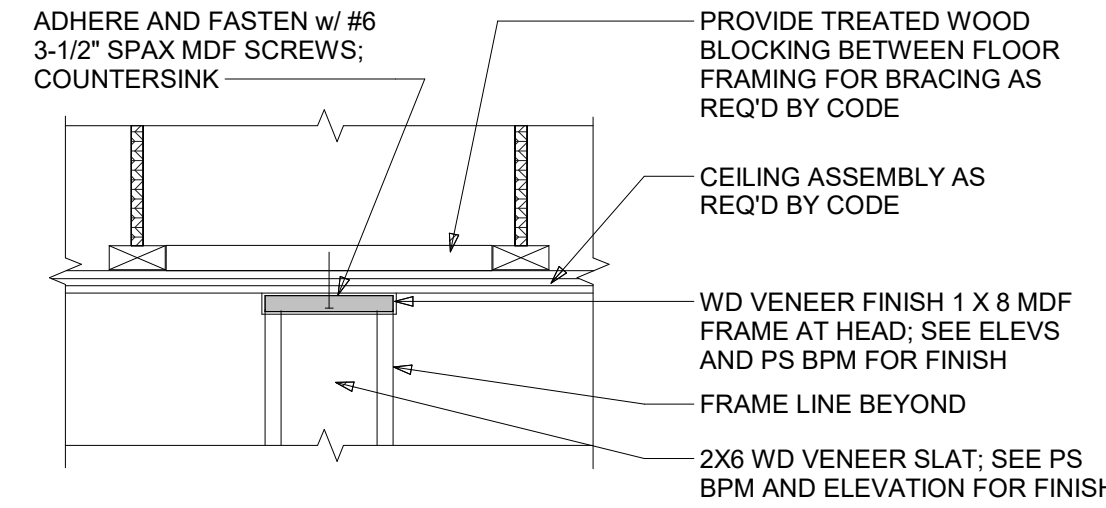


TOWNEPLACE SUITES

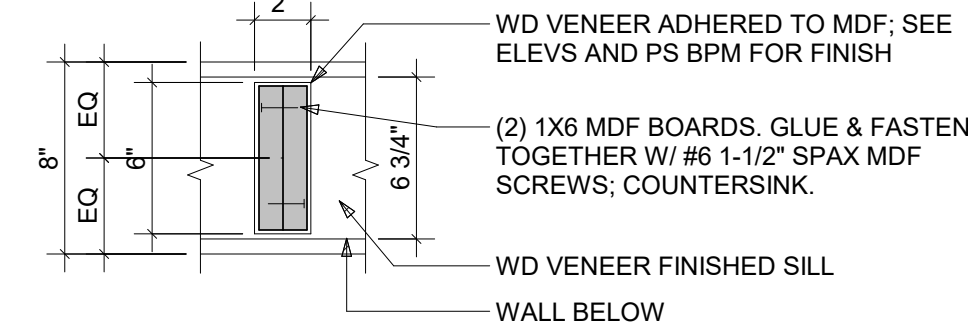
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
THE HUB
PROJECT NUMBER: 23098
SHEET NUMBER:

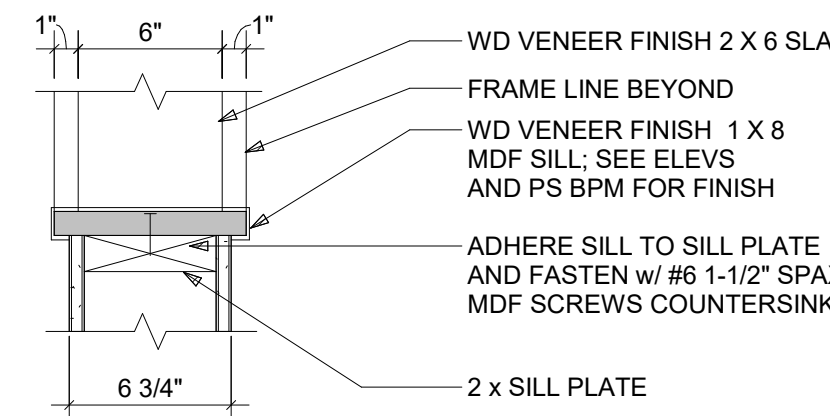
A-722



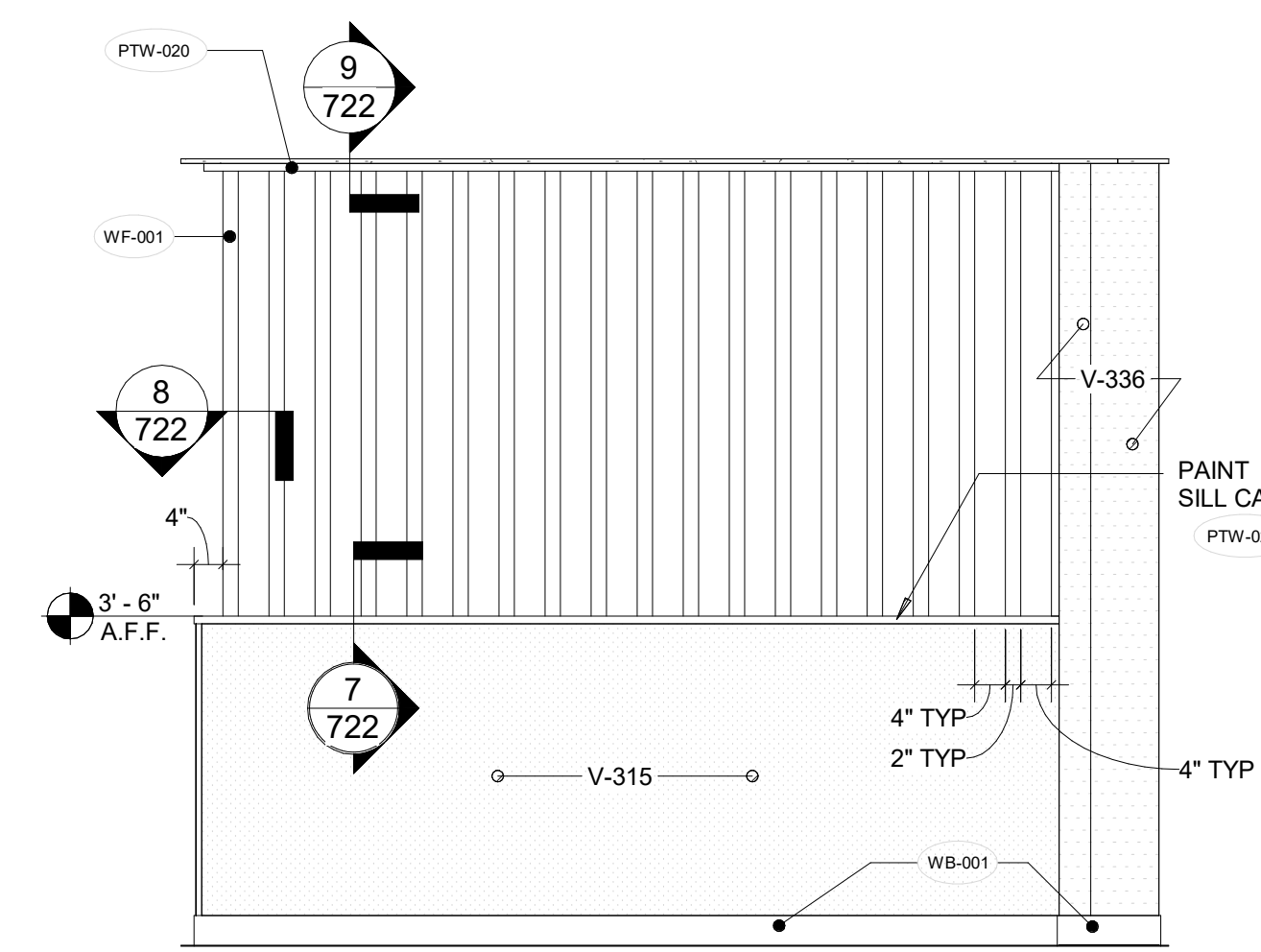
9 HUB SLAT HEAD DETAIL
1" = 1'-0"



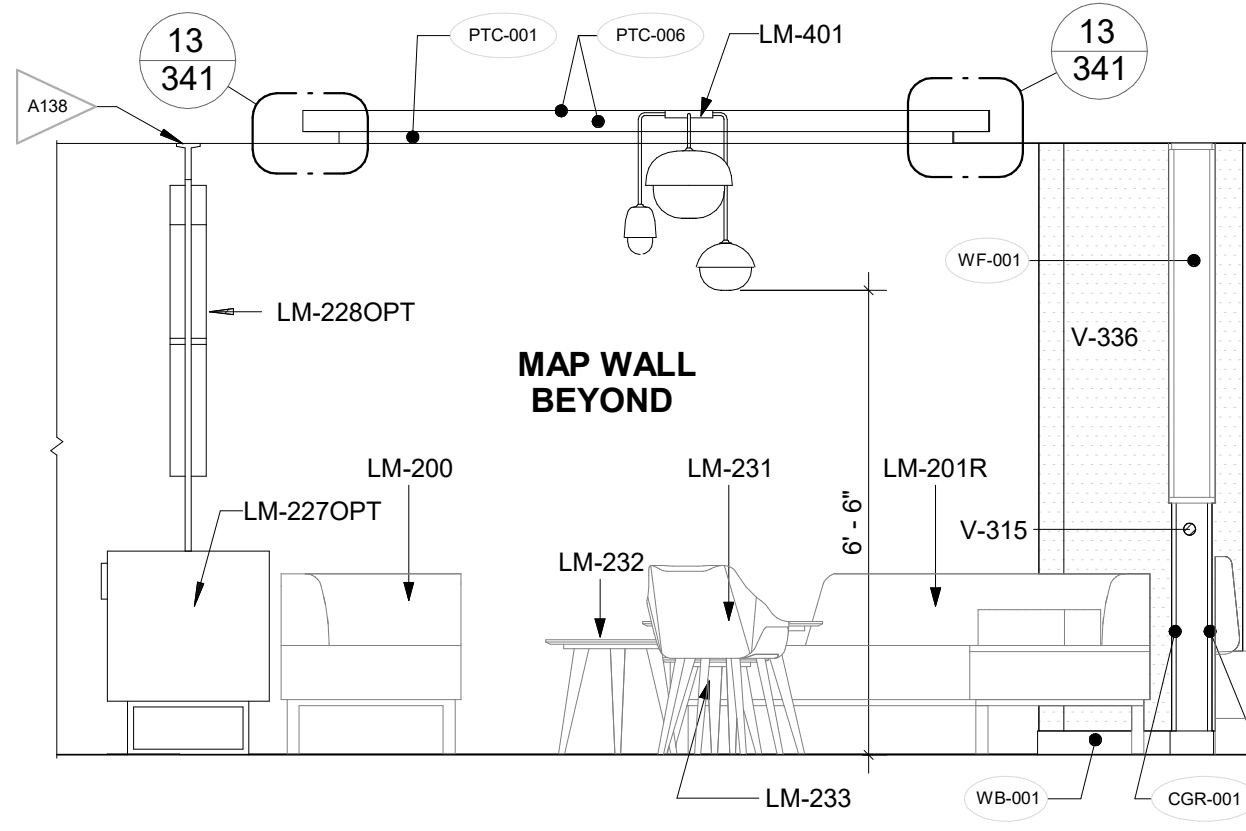
8 HUB SLAT PLAN DETAIL
1 1/2" = 1'-0"



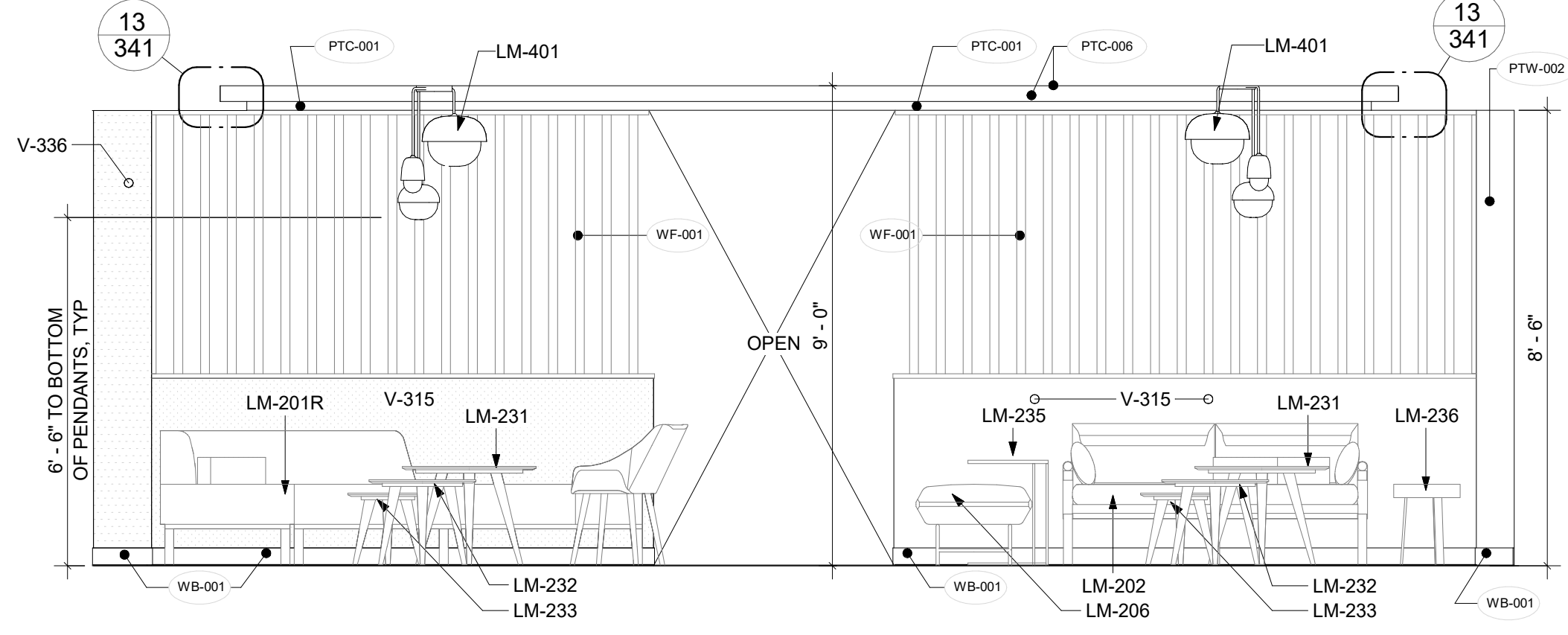
7 HUB SLAT SILL DETAIL
1 1/2" = 1'-0"



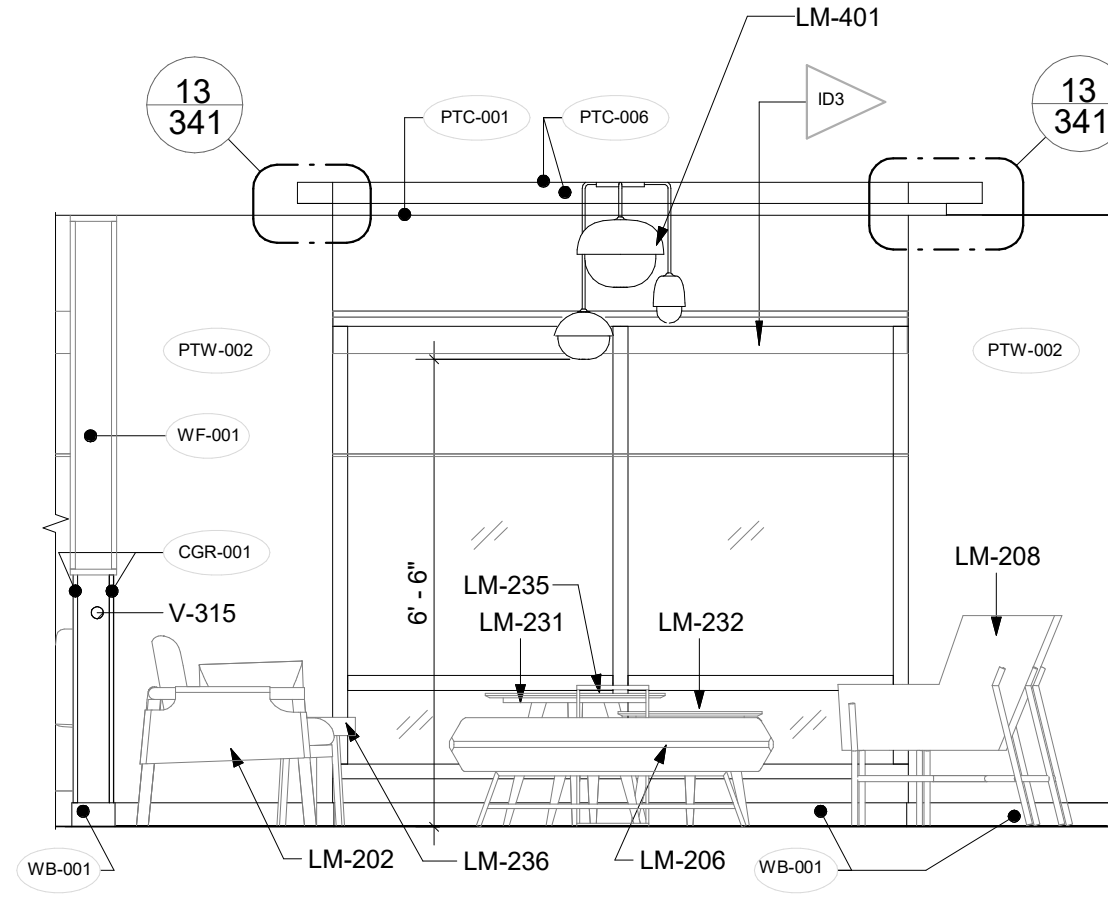
6 SLAT WALL ELEVATION FOR DETAILS
1/2" = 1'-0"



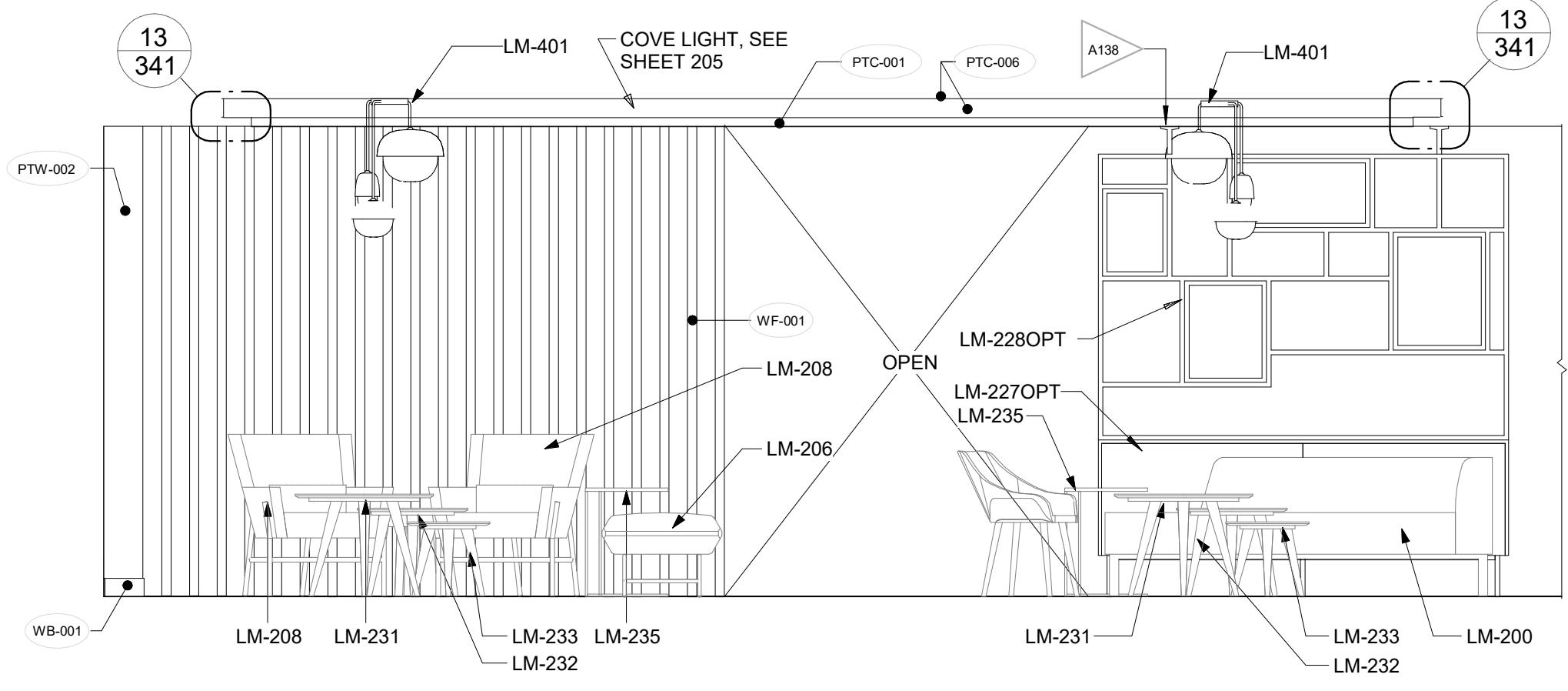
5 THE HUB ELEVATION 4
3/8" = 1'-0"



4 THE HUB ELEVATION 3
3/8" = 1'-0"

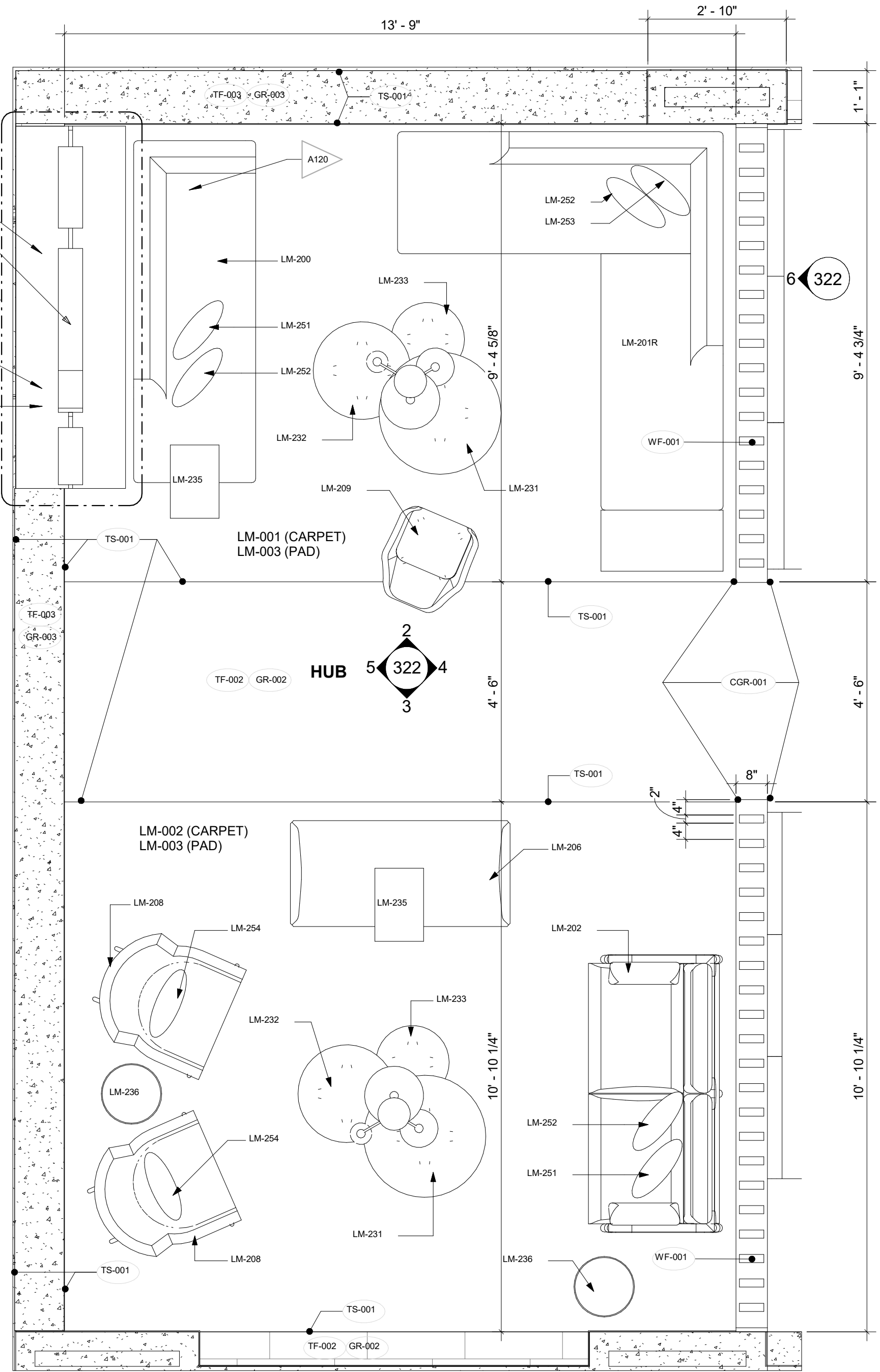


3 THE HUB ELEVATION 2
3/8" = 1'-0"



2 THE HUB ELEVATION 1
3/8" = 1'-0"

1 THE HUB PLAN
1/2" = 1'-0"

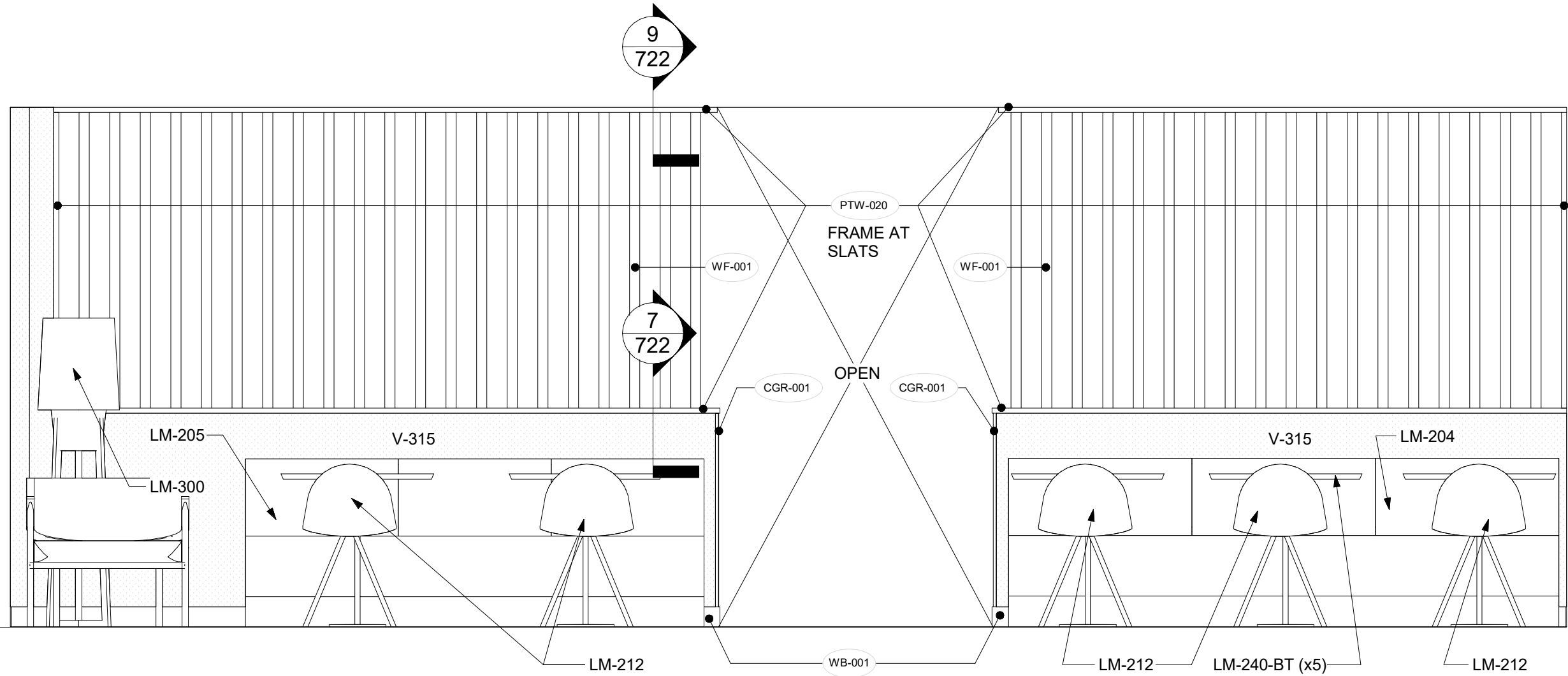




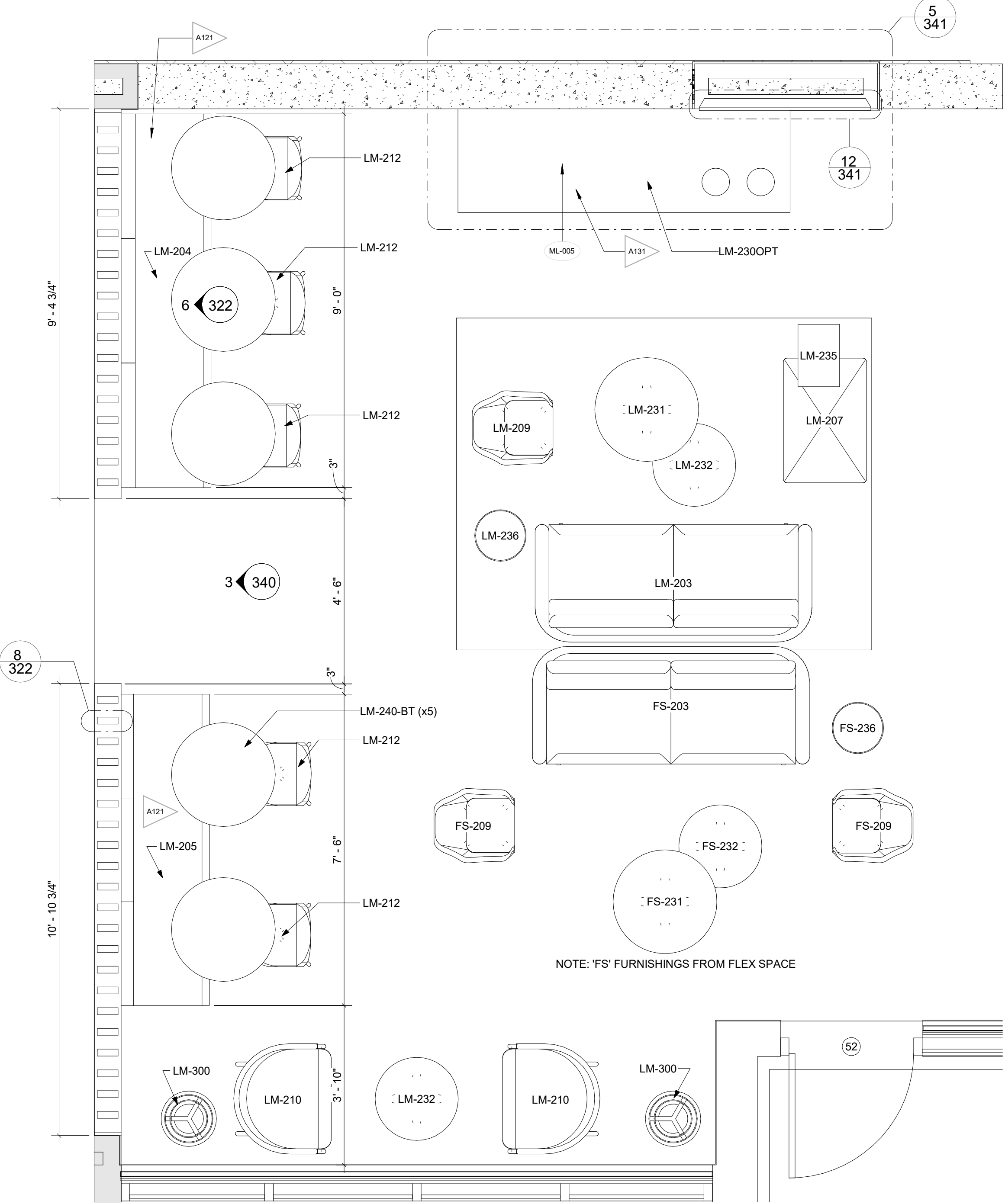
TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
COMMUNITY, HUB & ON-US
ENLARGED PLANS, ELEVATIONS
& DETAILS
PROJECT NUMBER: 23098
SHEET NUMBER:

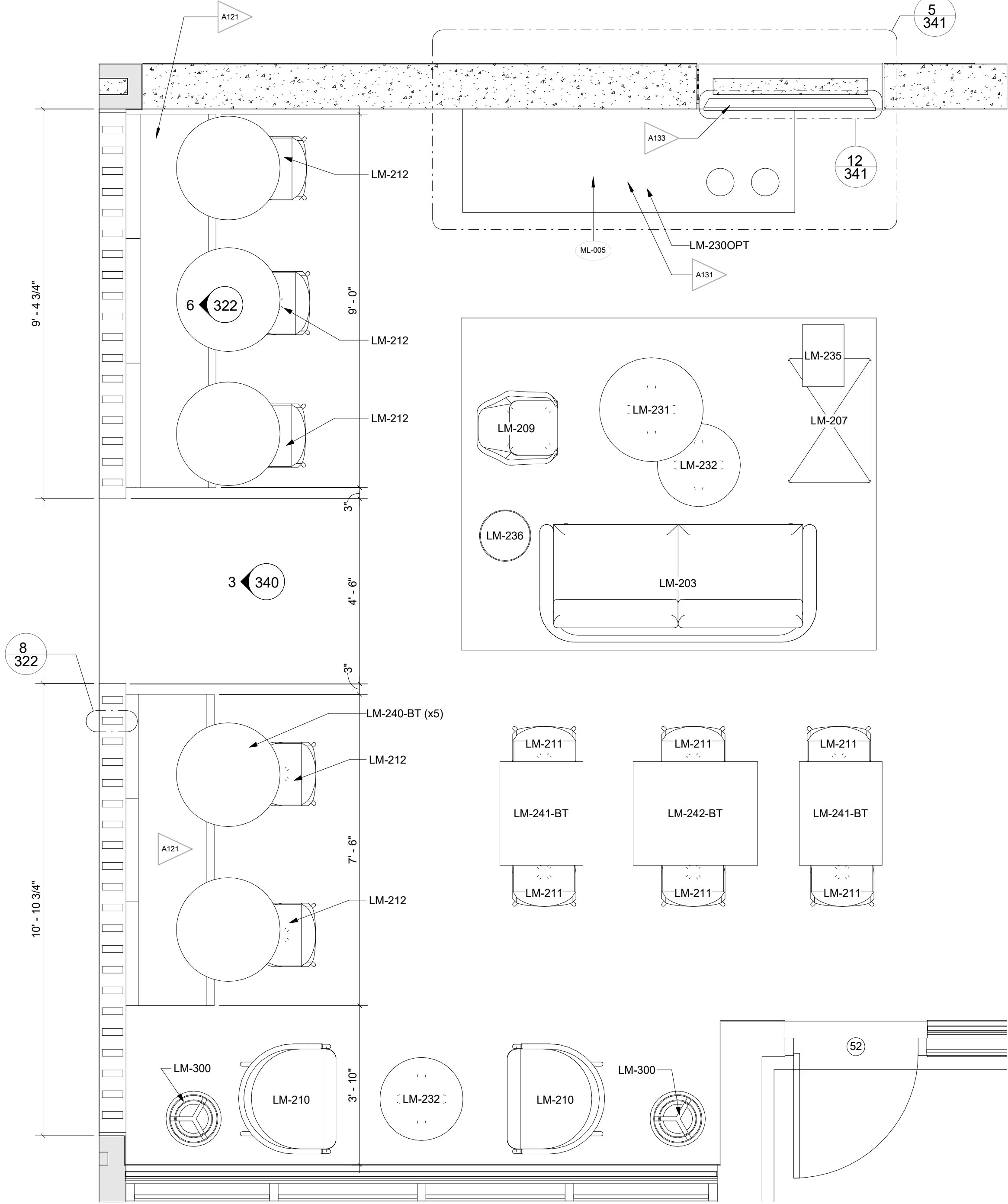
A-723



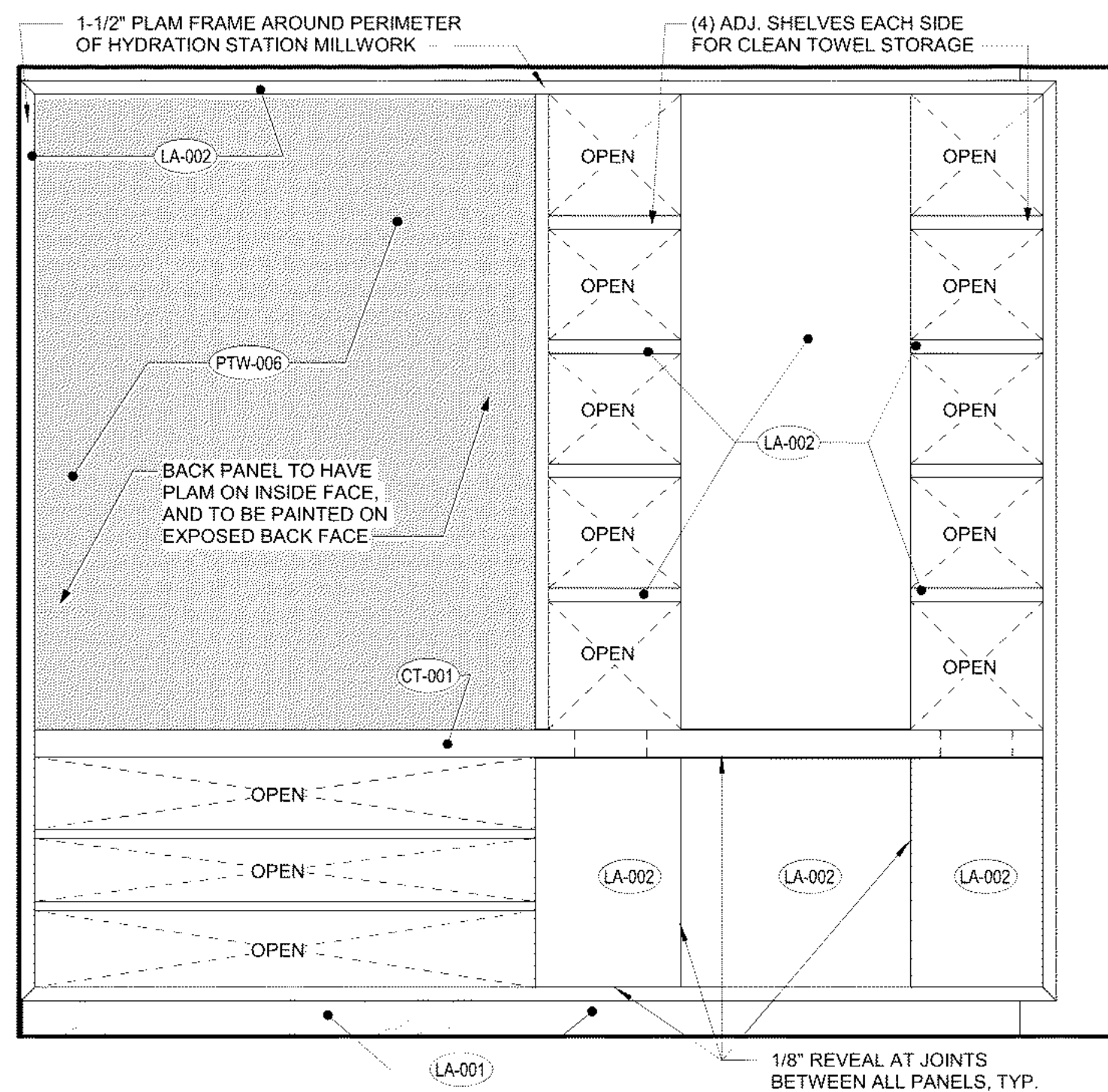
2 COMMUNITY ELEVATION
1/2" = 1'-0"



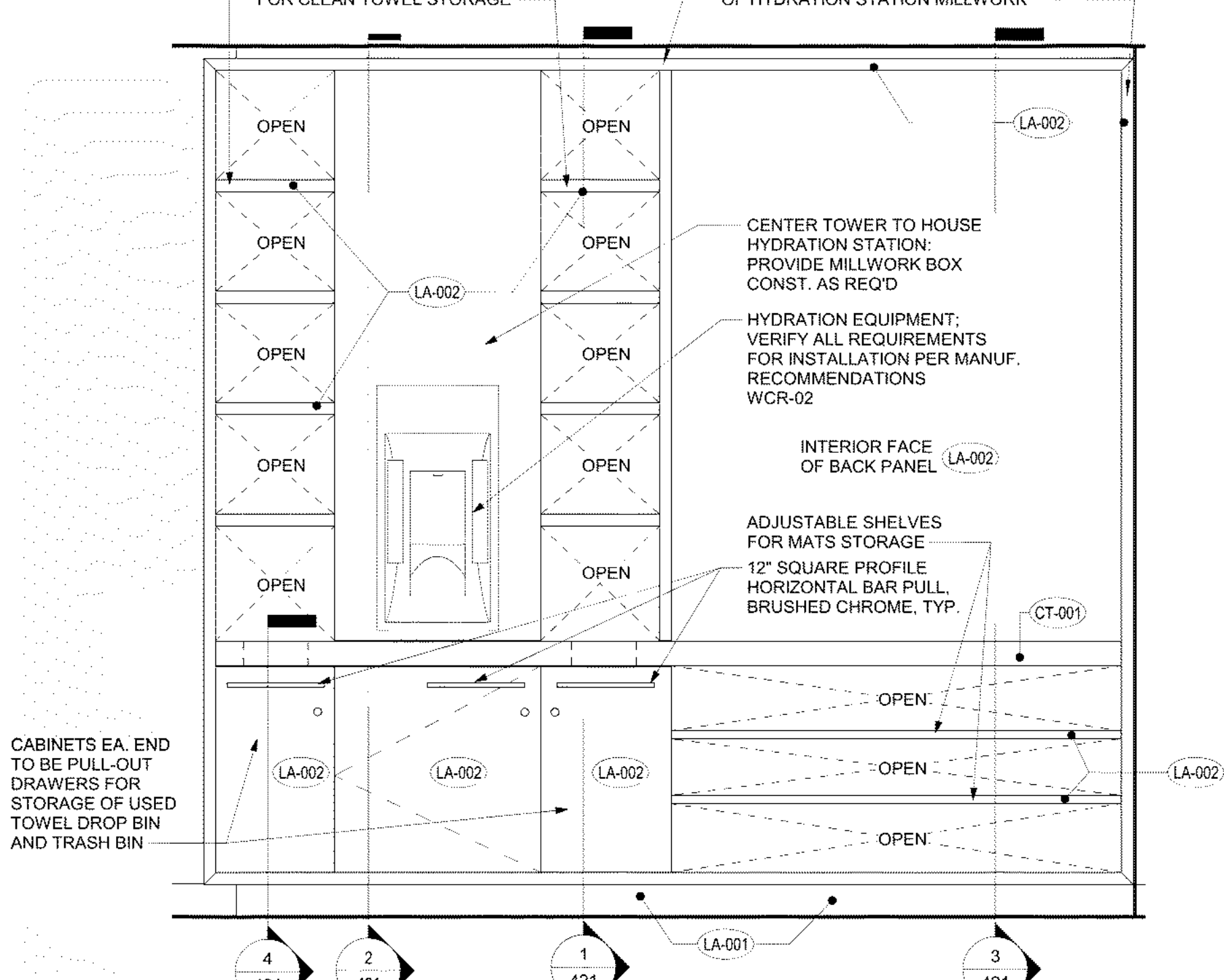
1 COMMUNITY FURNITURE PLAN
1/2" = 1'-0"



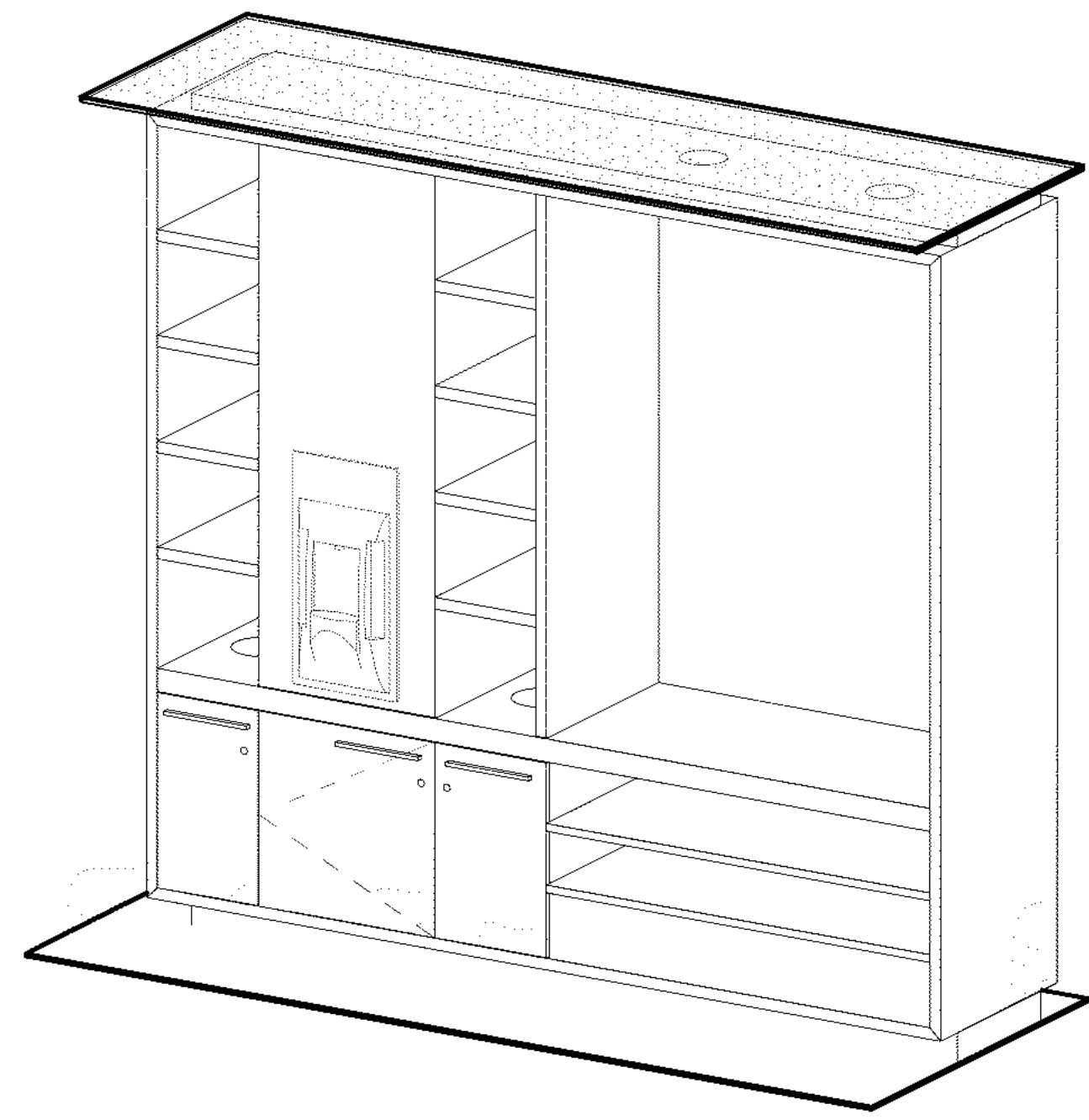
3 ALTERNATE COMMUNITY FURNITURE PLAN
1/2" = 1'-0"



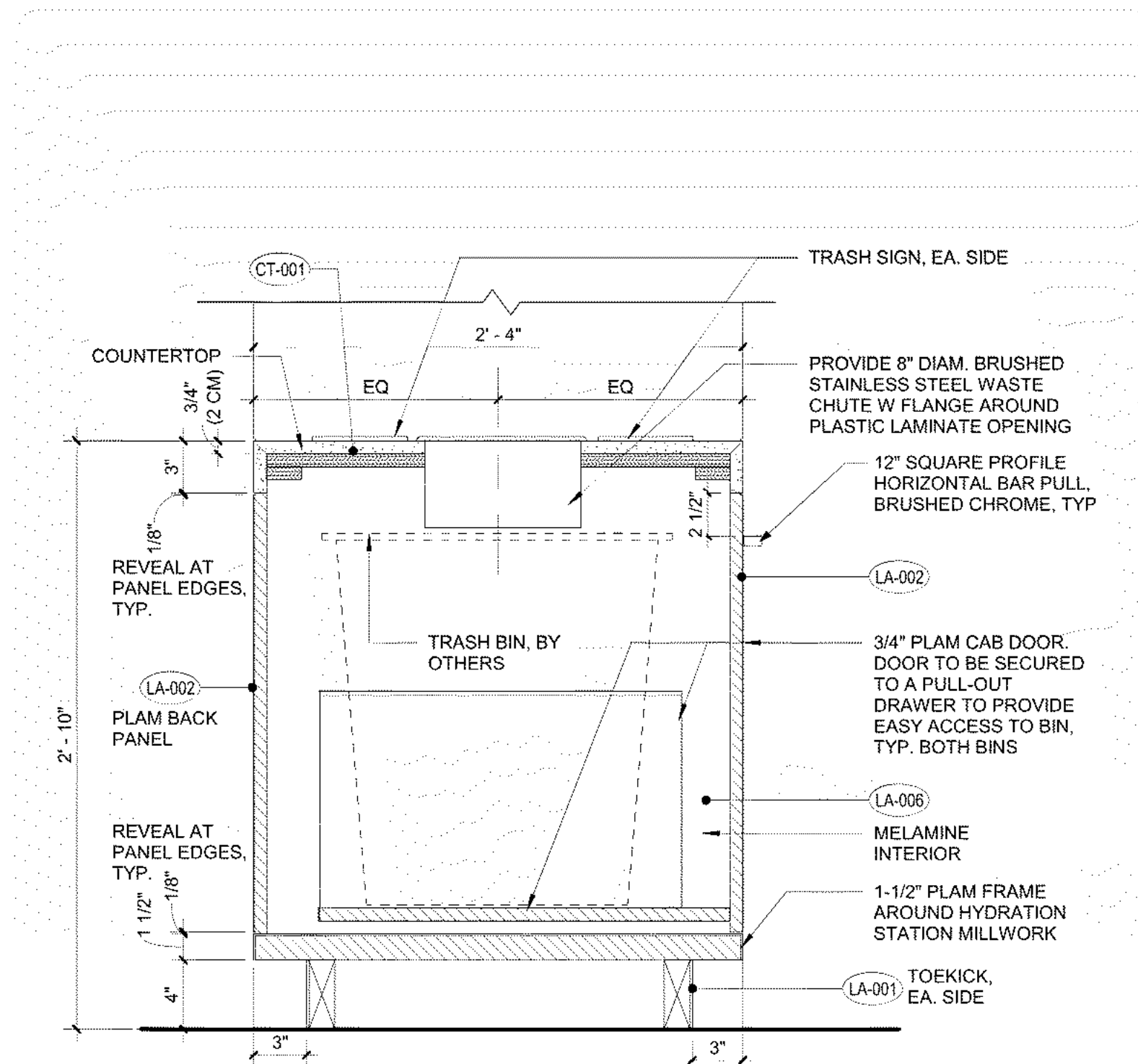
2 HYDRATION STATION ELEVATION - REAR
1/2" = 1'-0"



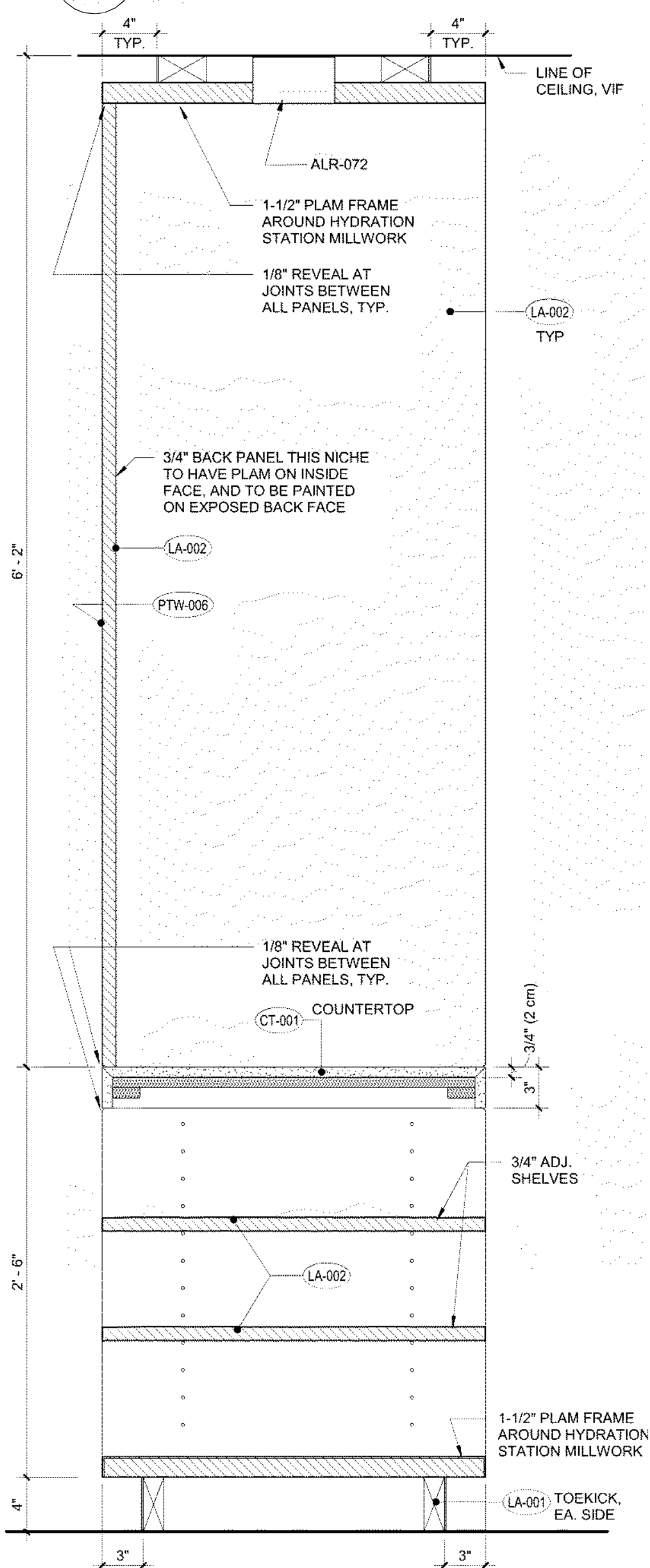
3 HYDRATION STATION ELEVATION - FRONT
1/2" = 1'-0"



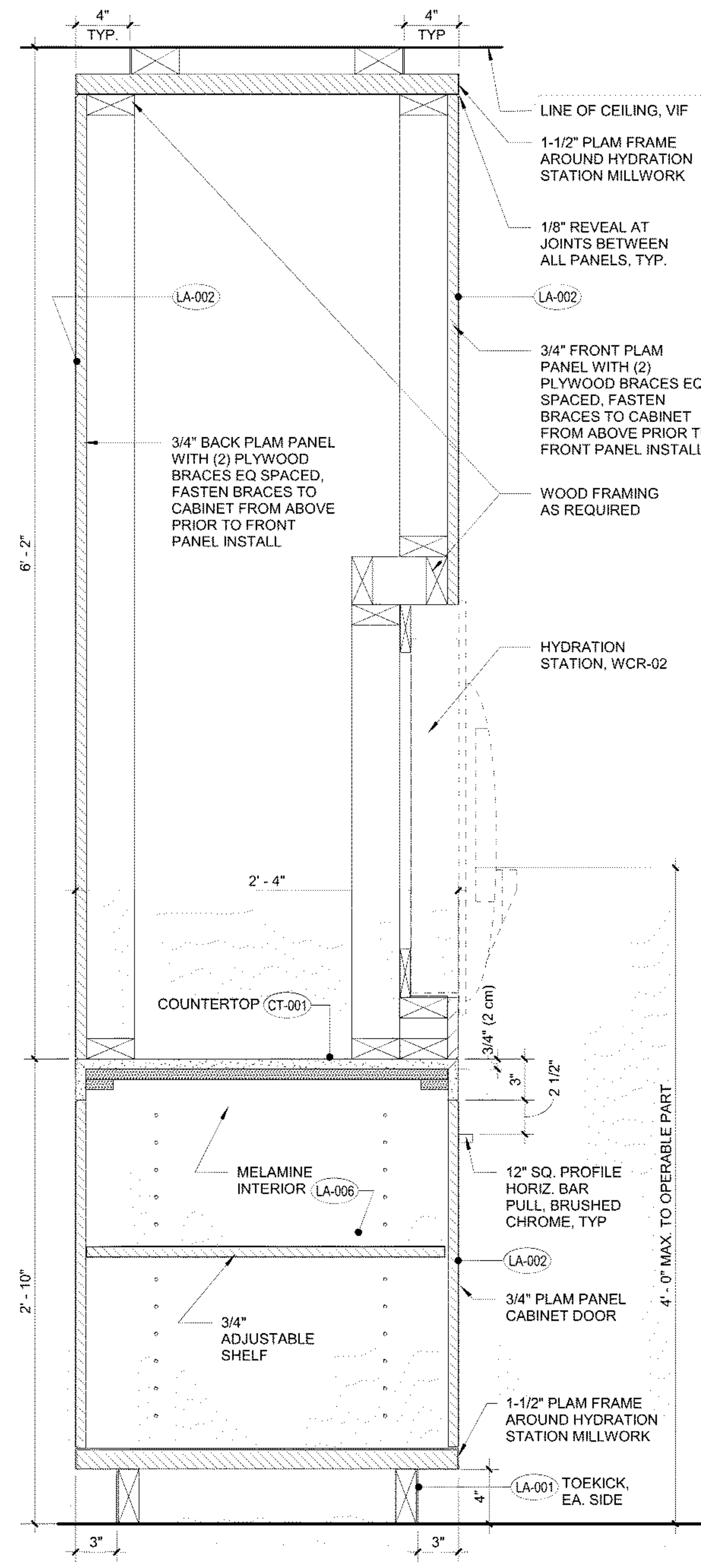
1 HYDRATION STATION
1/2" = 1'-0"



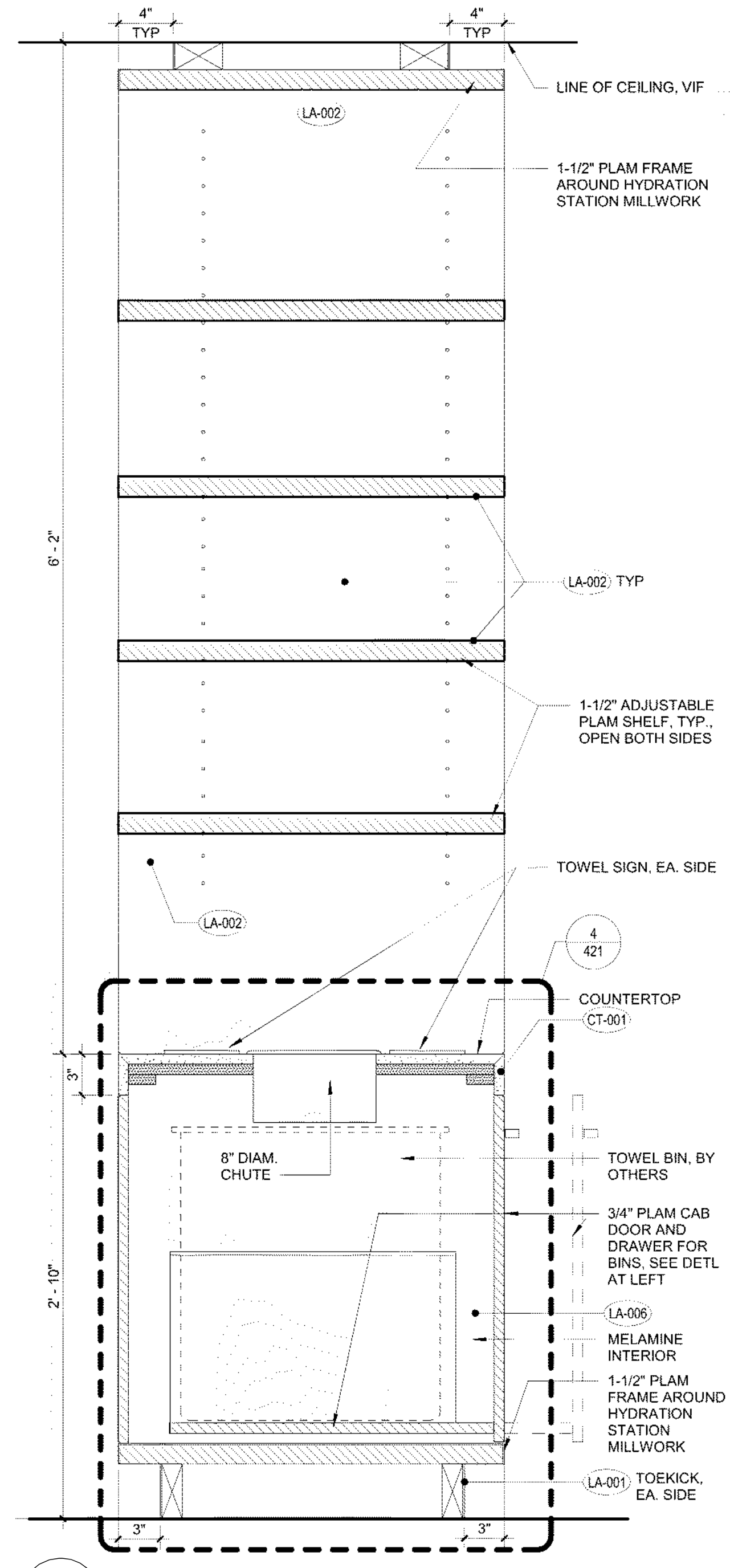
4 FITNESS MILLWORK TRASH TOWEL BIN
1 1/2" = 1'-0"



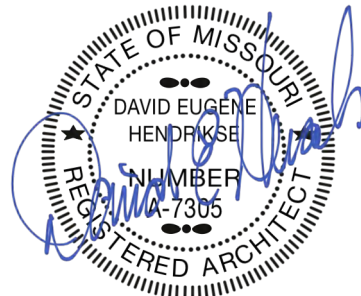
5 FITNESS MILLWORK TRASH SECTION
1 1/2" = 1'-0"



6 FITNESS MILLWORK TRASH SECTION 2
1 1/2" = 1'-0"



7 FITNESS MILLWORK TRASH SECTION 3
1 1/2" = 1'-0"



TOWNEPLACE SUITES

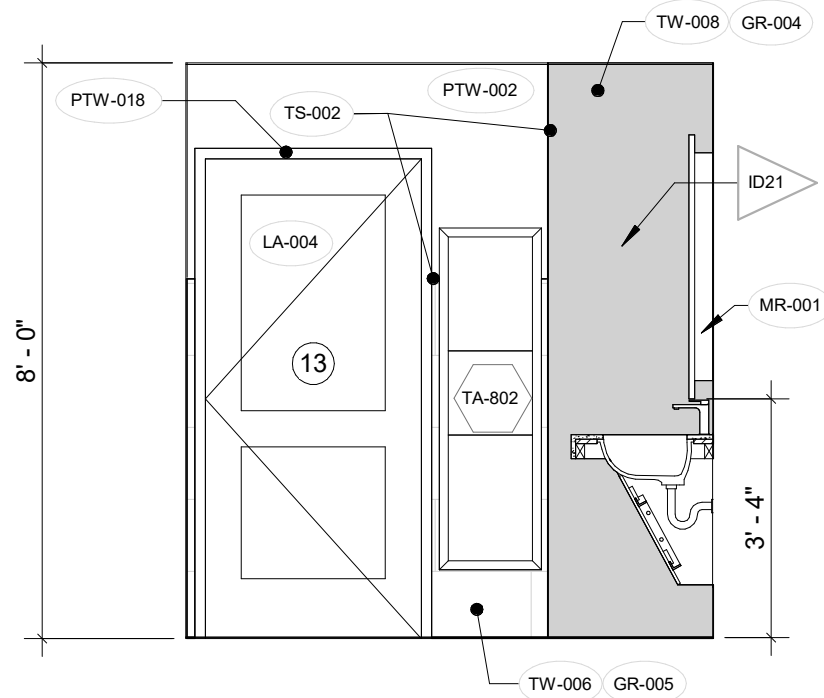
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
PUBLIC RESTROOMS

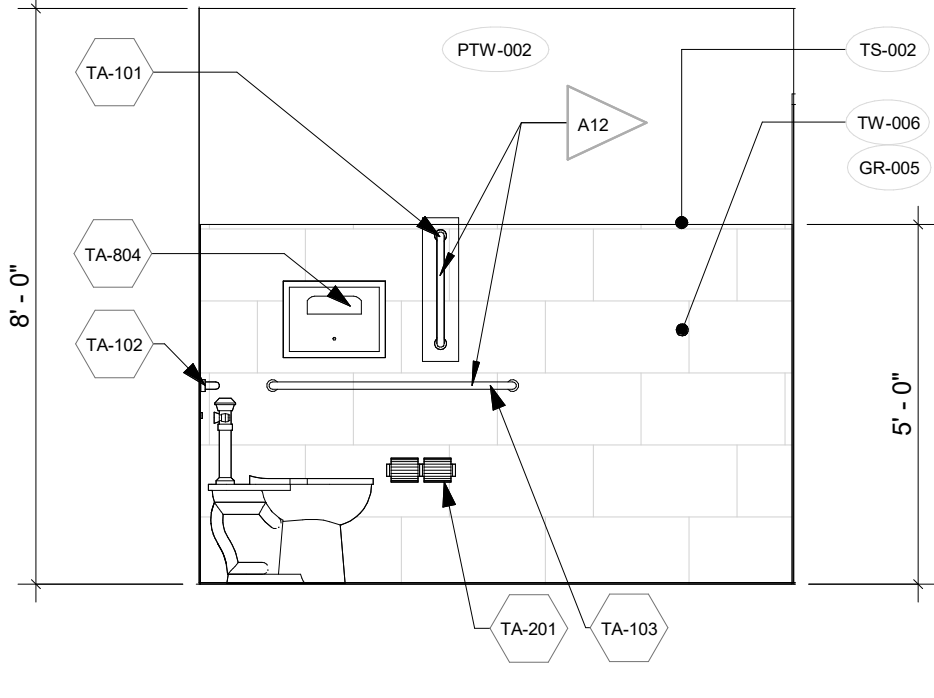
PROJECT NUMBER: 23098

SHEET NUMBER:

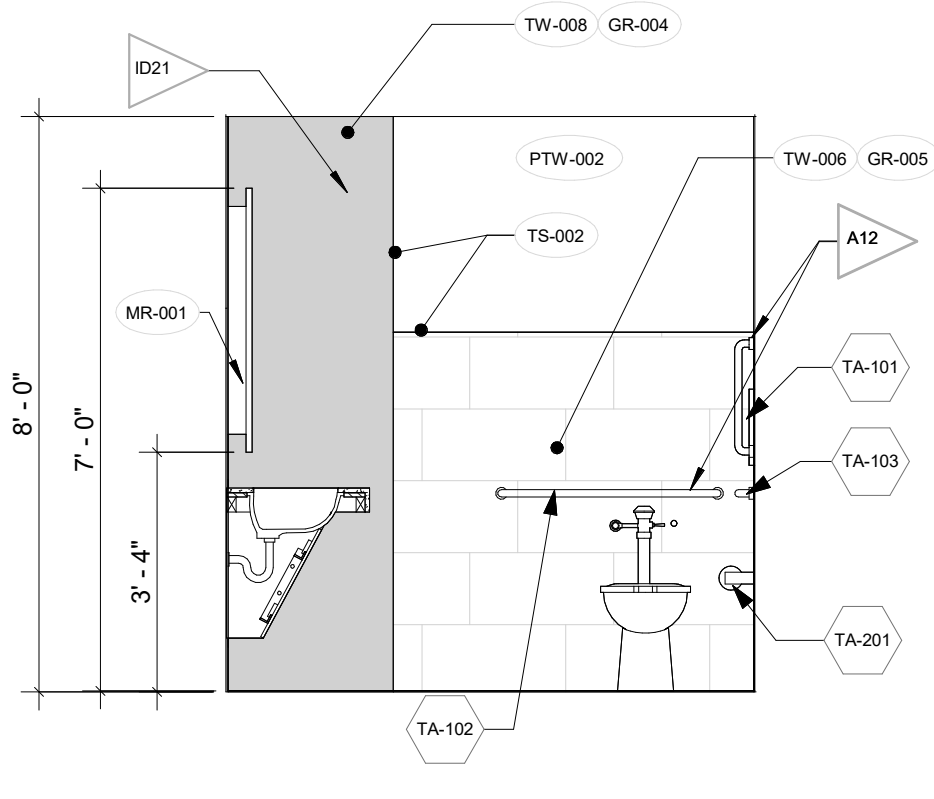
A-725



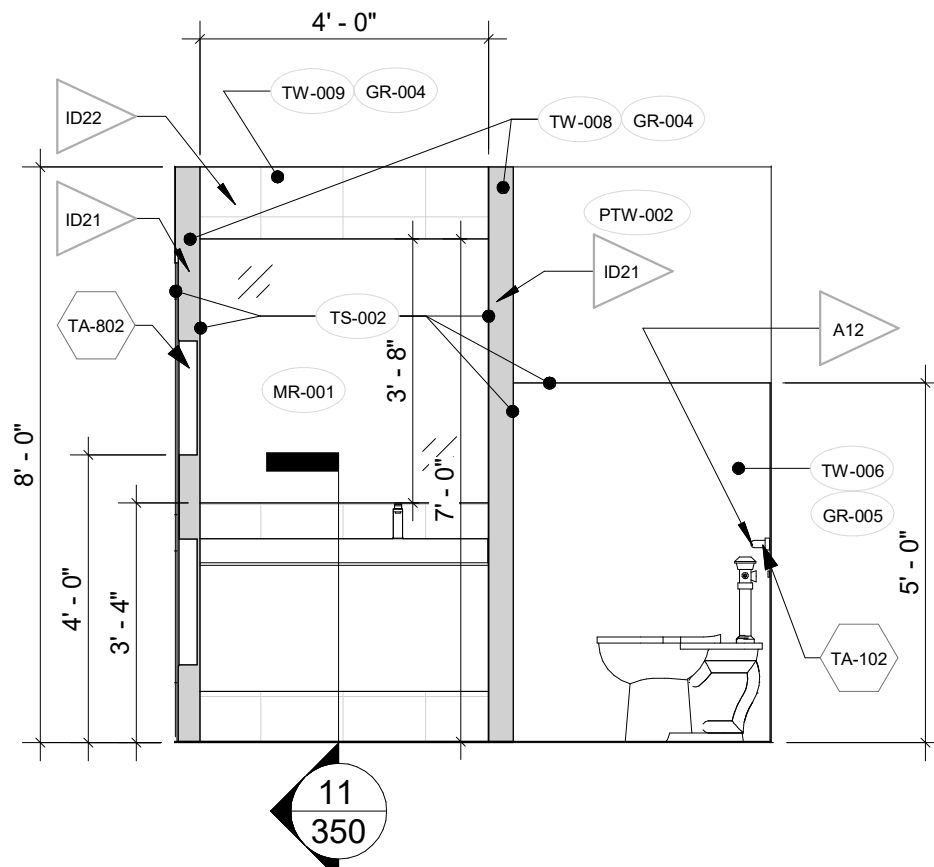
11 MEN'S ELEVATION 4
3/8" = 1'-0"



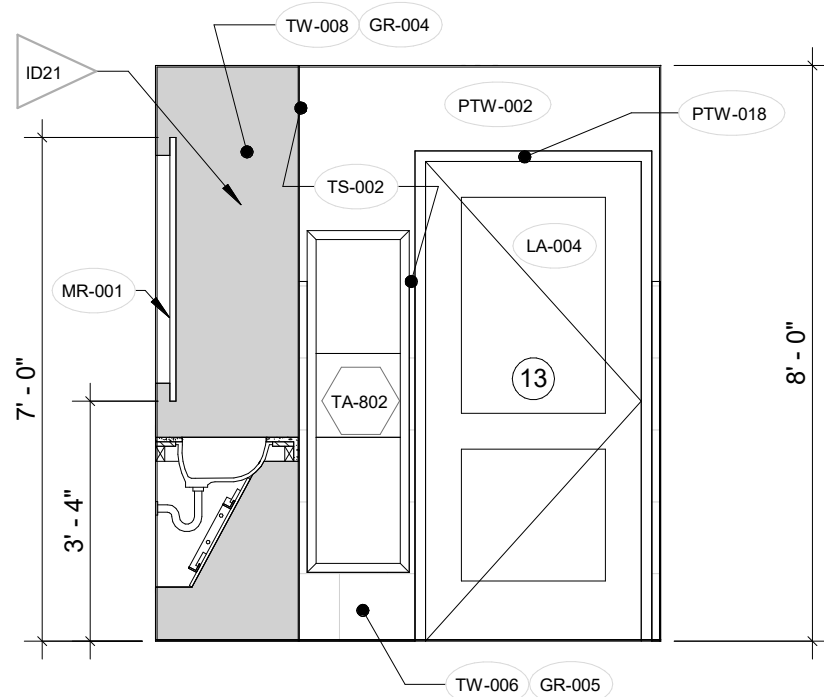
10 MEN'S ELEVATION 3
3/8" = 1'-0"



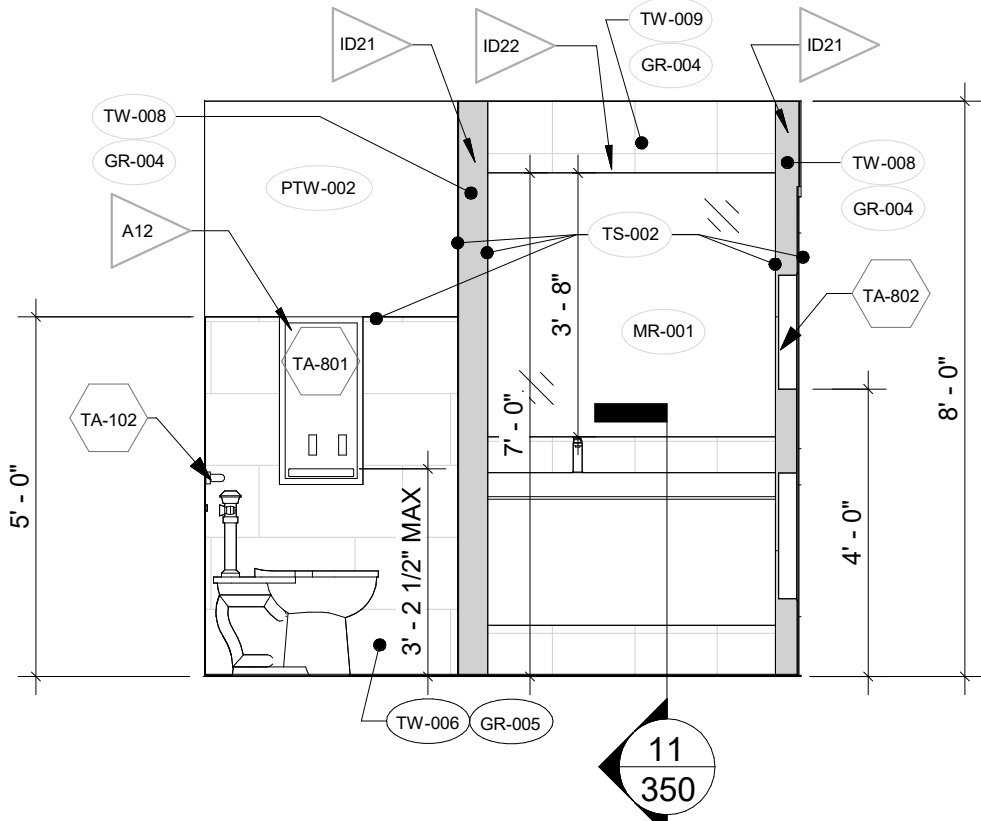
9 MEN'S ELEVATION 2
3/8" = 1'-0"



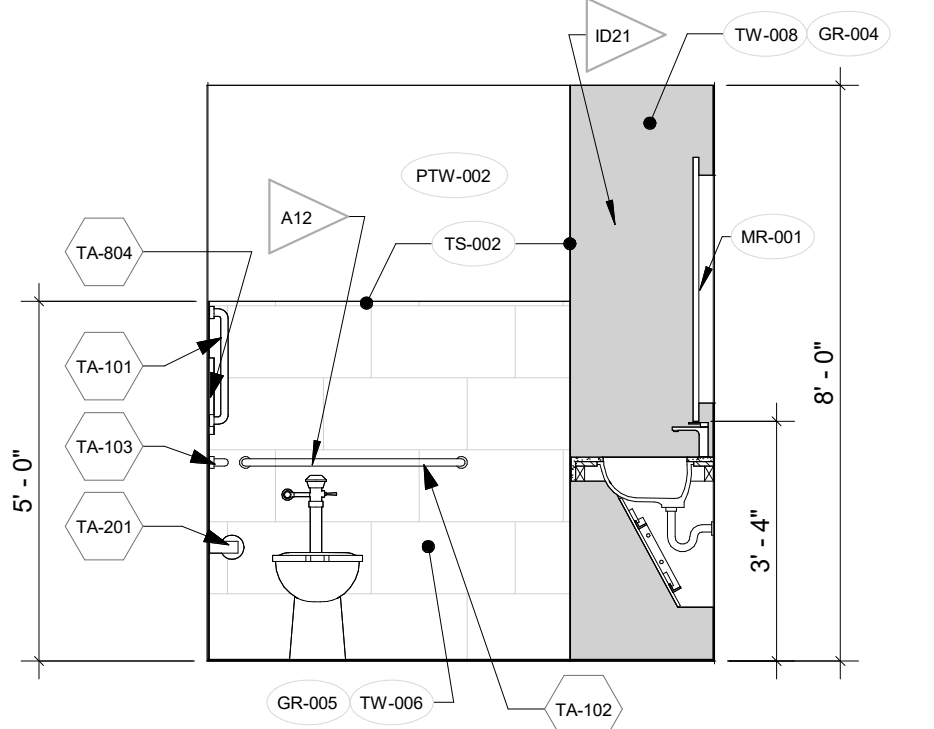
8 MEN'S ELEVATION 1
3/8" = 1'-0"



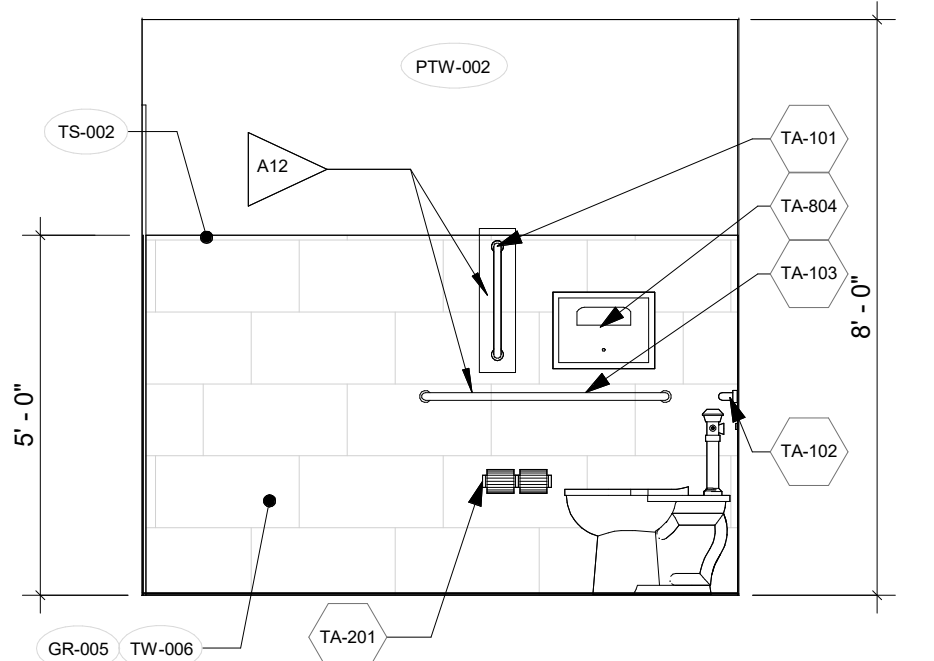
7 WOMEN'S ELEVATION 4
3/8" = 1'-0"



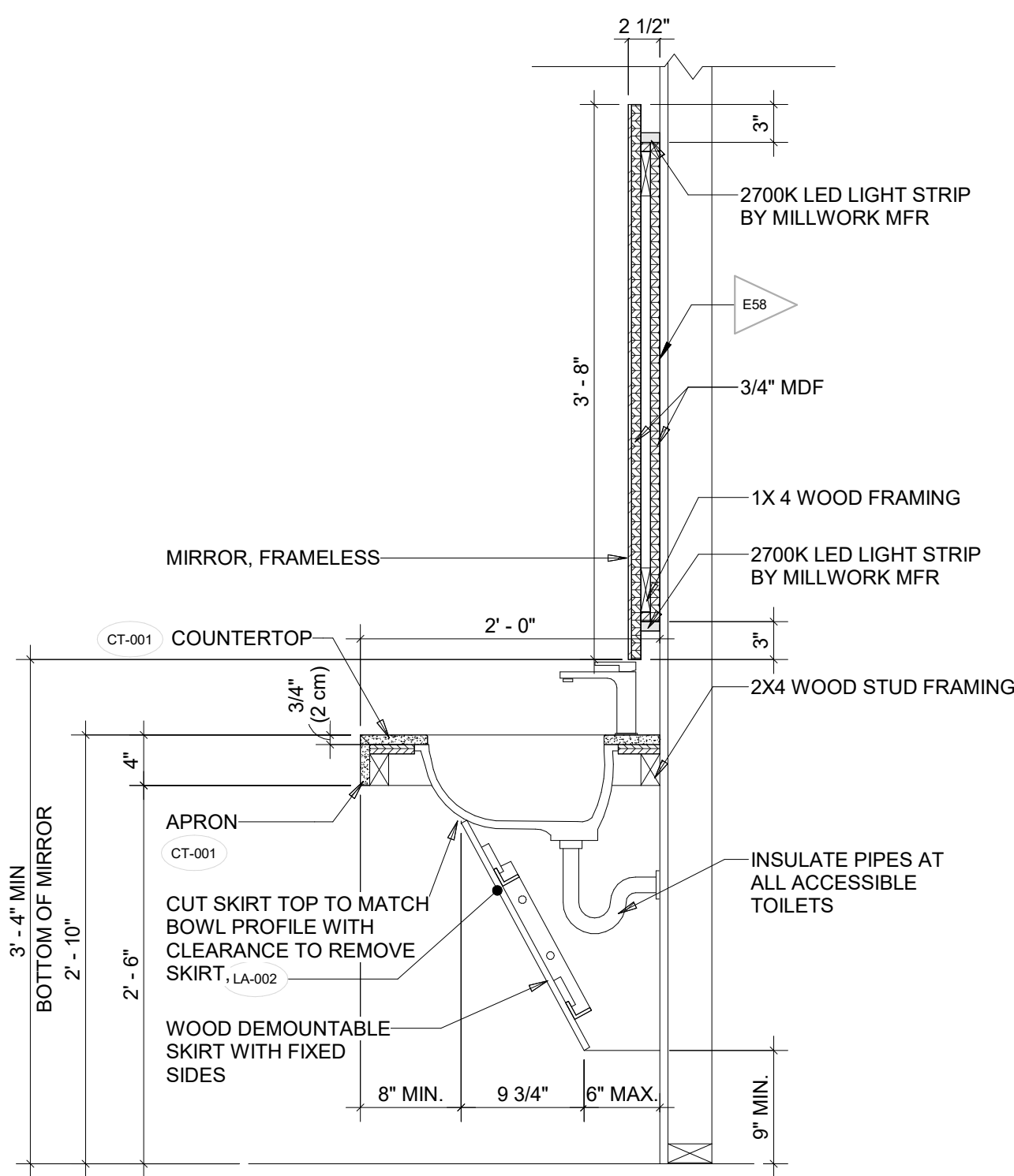
6 WOMEN'S ELEVATION 3
3/8" = 1'-0"



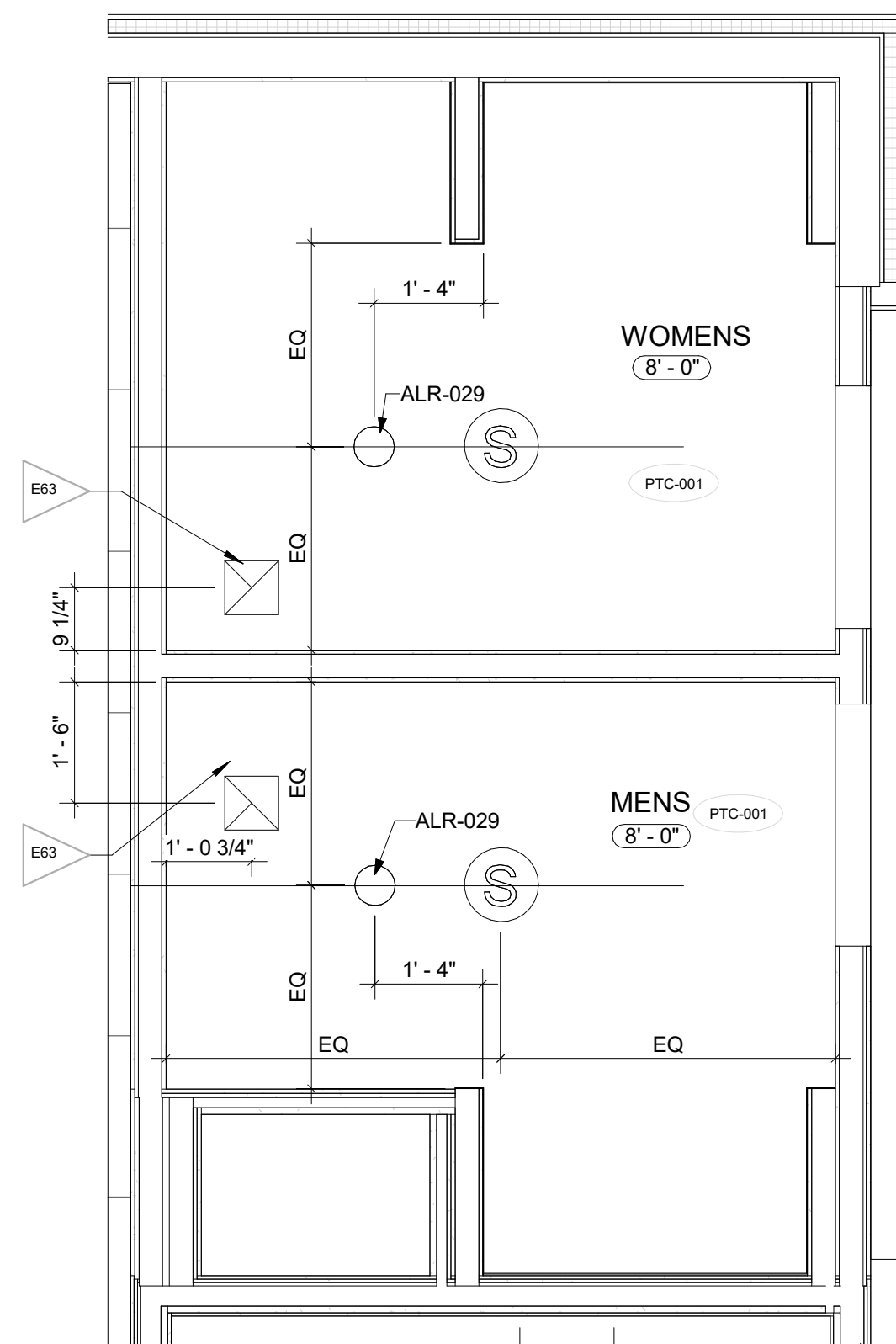
5 WOMEN'S ELEVATION 2
3/8" = 1'-0"



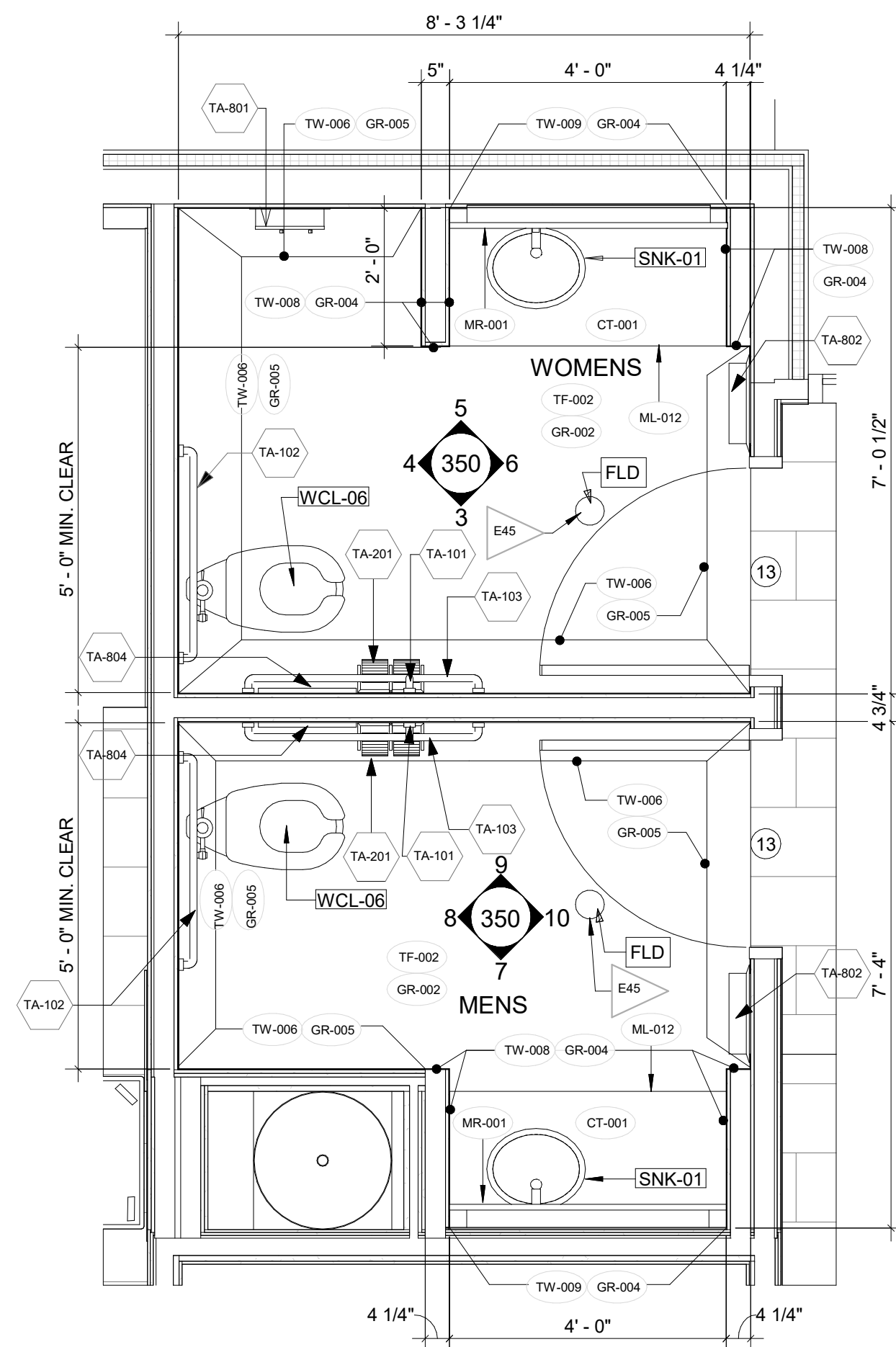
4 WOMEN'S ELEVATION 1
3/8" = 1'-0"



3 PUBLIC RESTROOM LAVATORY SECTION
1" = 1'-0"

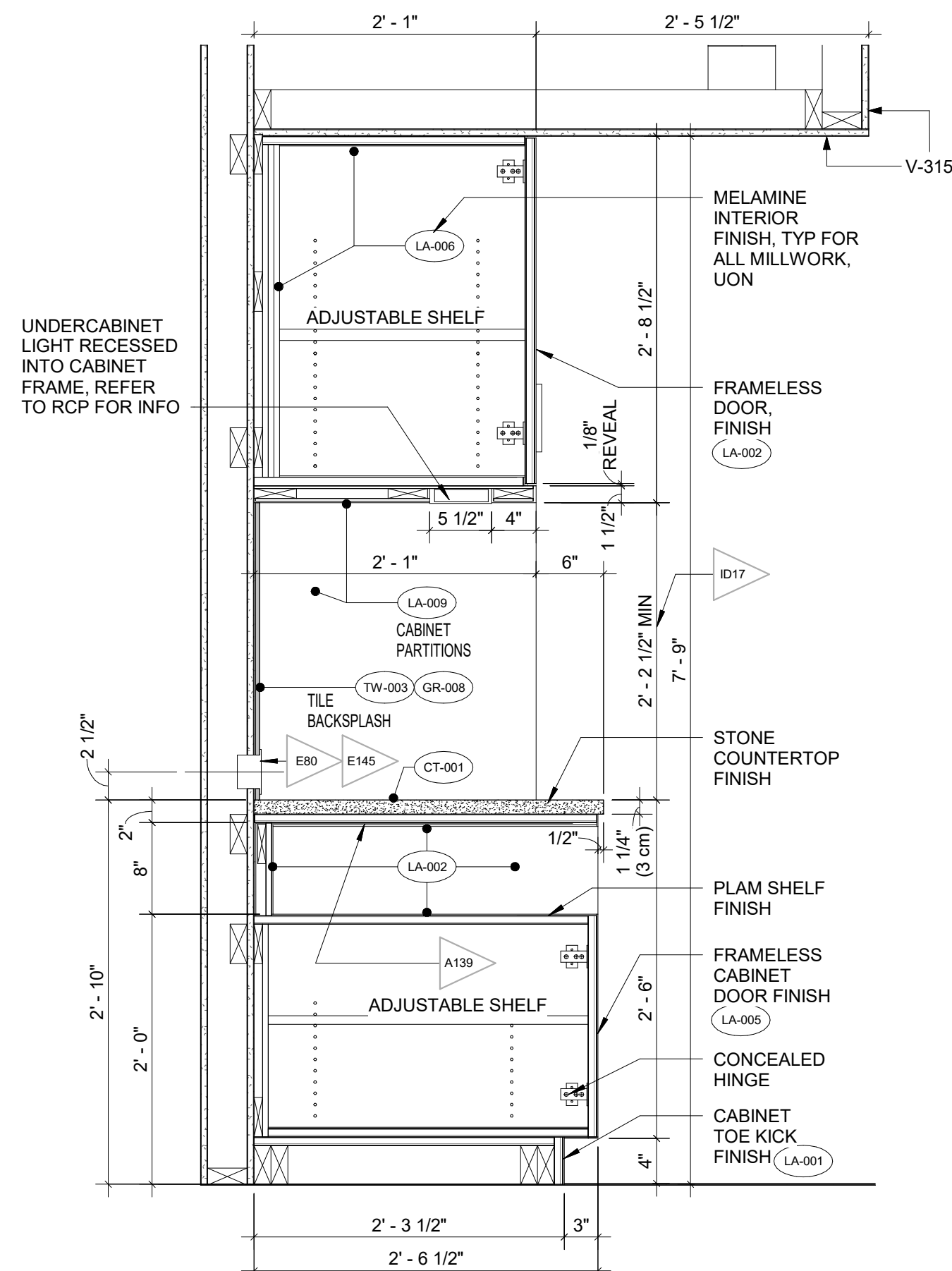


2 PUBLIC SPACE TOILETS - RCP
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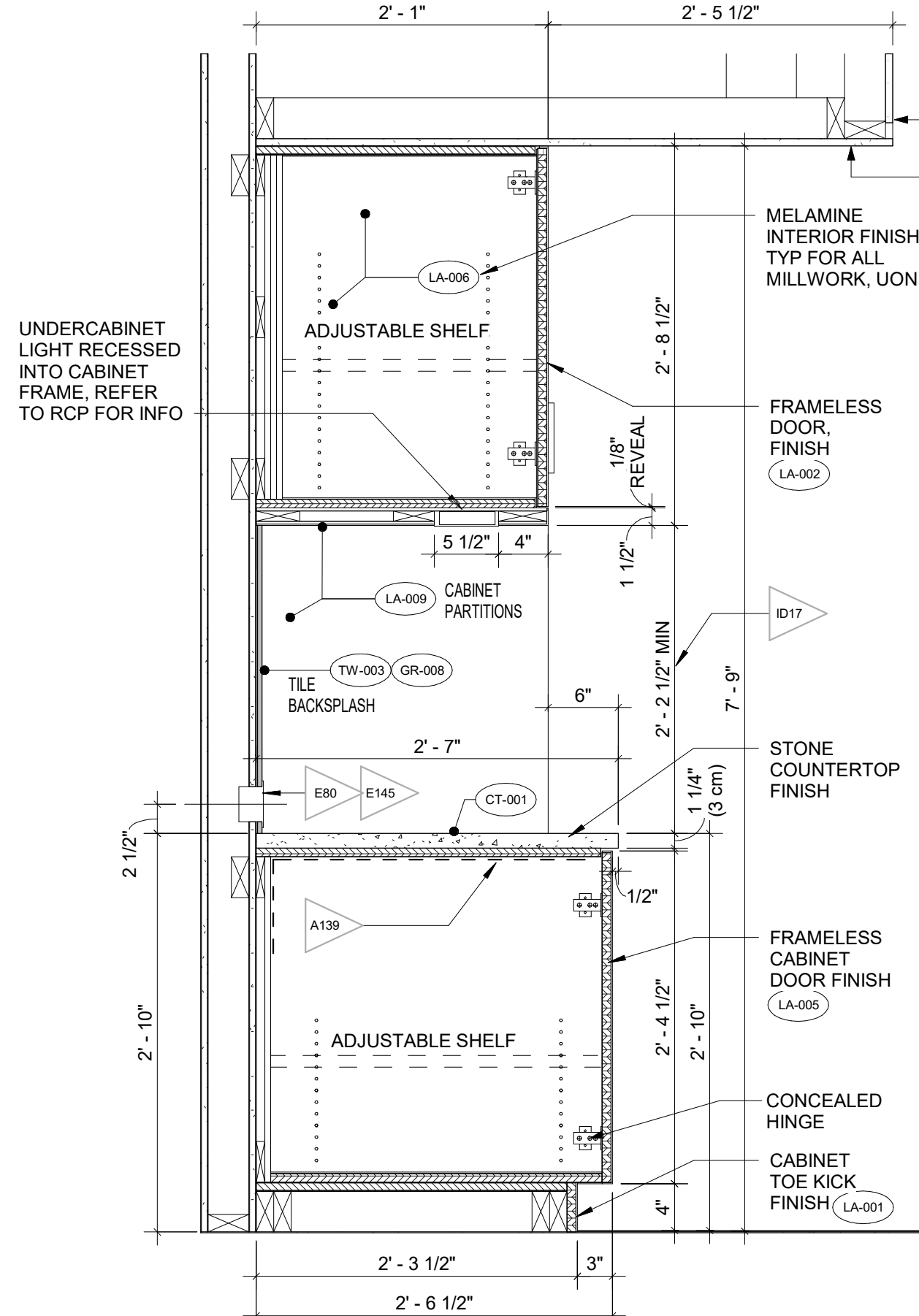


1 PUBLIC SPACE TOILETS PLAN
1/2" = 1'-0"

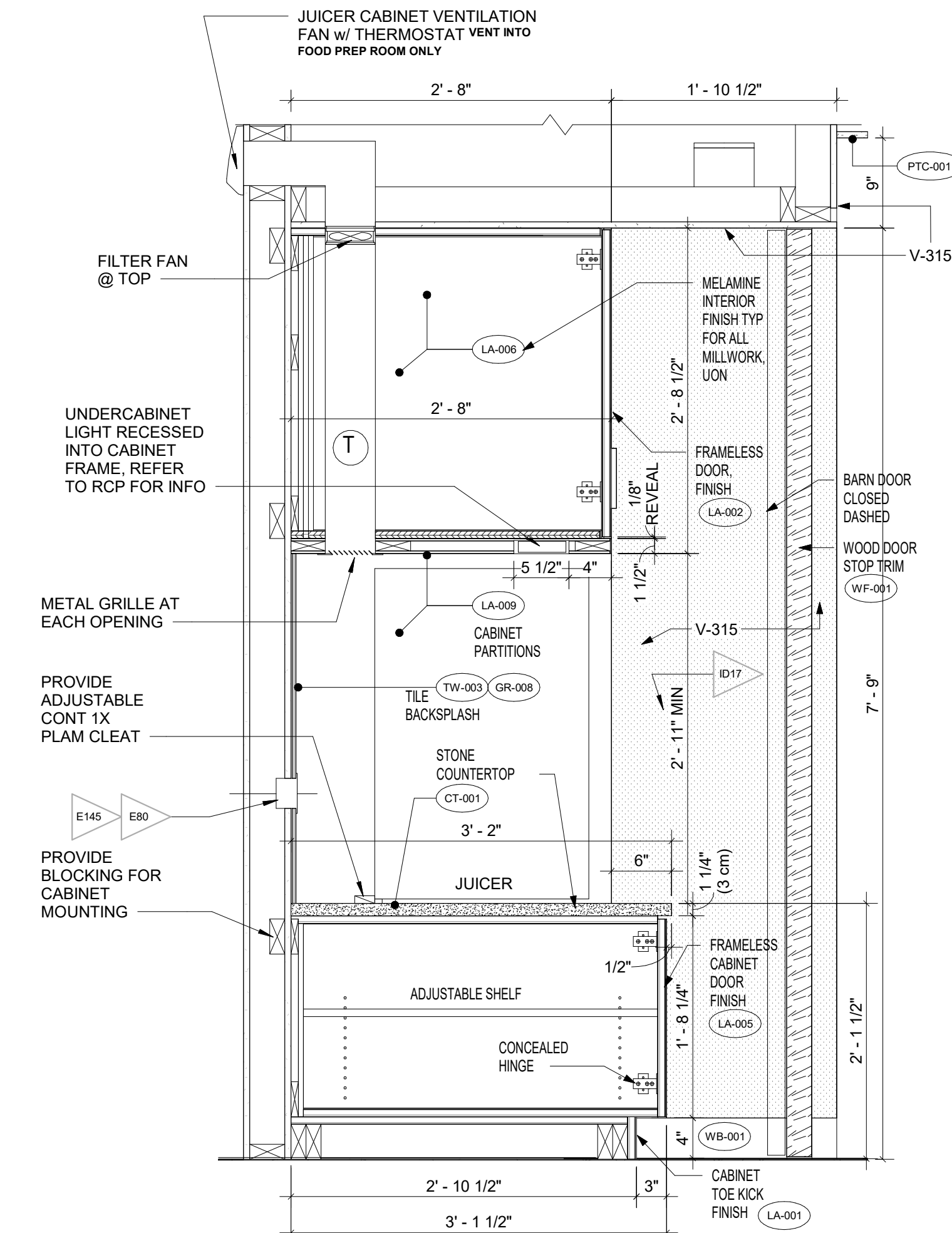
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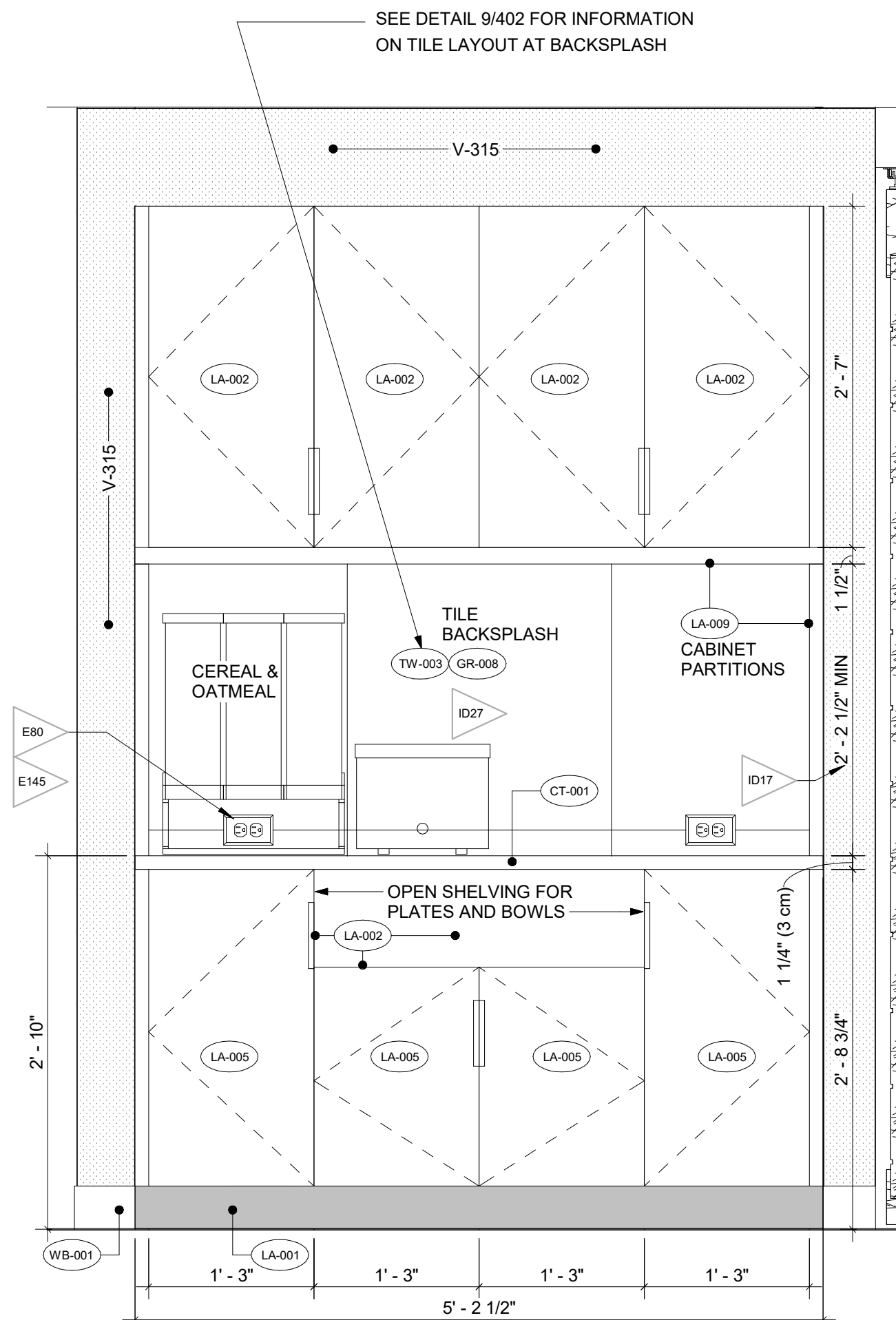
5 BUFFET MILLWORK DETAIL @
OPEN SHELF
1" = 1'-0"



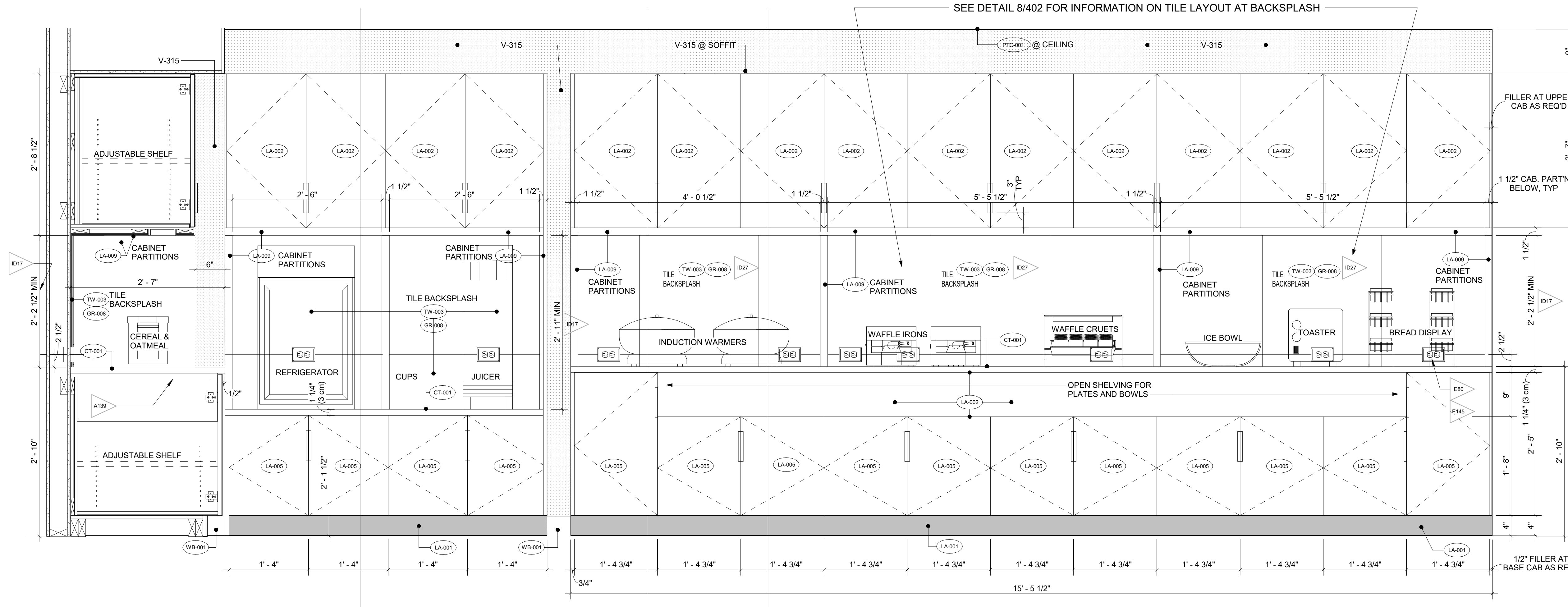
4 BUFFET MILLWORK SECTION
1" = 1'-0"



3 BUFFET MILLWORK DETAIL @
JUICER
1" = 1'-0"



2 BUFFET ELEVATION 2
1" = 1'-0"



1 BUFFET ELEVATION
1" = 1'-0"

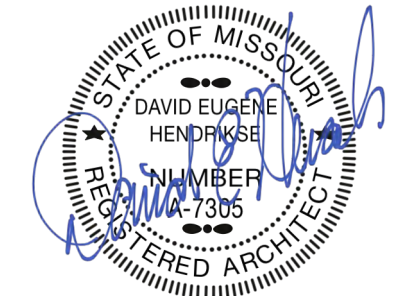
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REVISIONS:

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& ASSOCIATES P.C.

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TOWNEPLACE SUITES

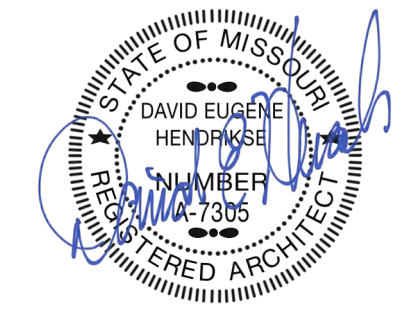
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
BUFFET DETAILS

PROJECT NUMBER: 23098

SHEET NUMBER:

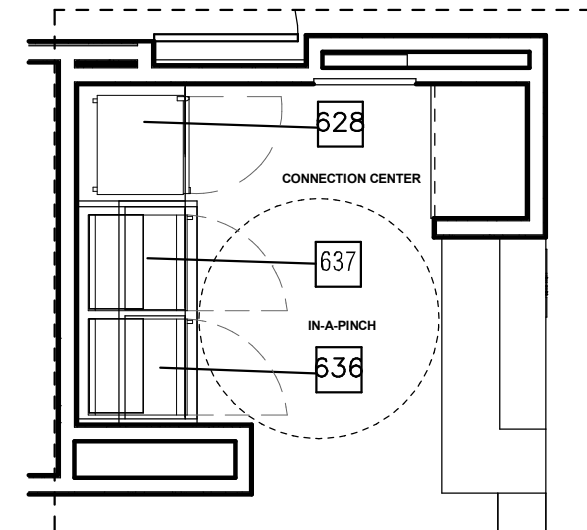
A-726



TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
IN A PINCH
PROJECT NUMBER: 23098
SHEET NUMBER:

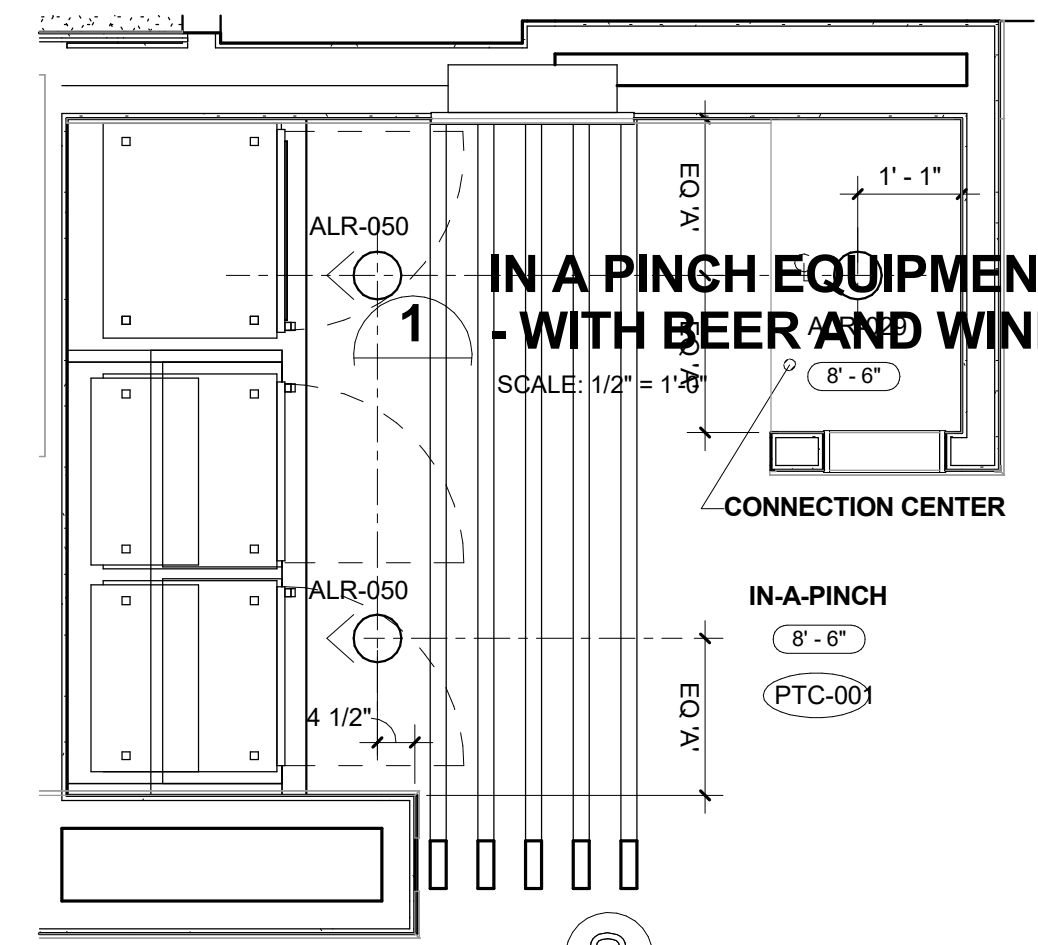
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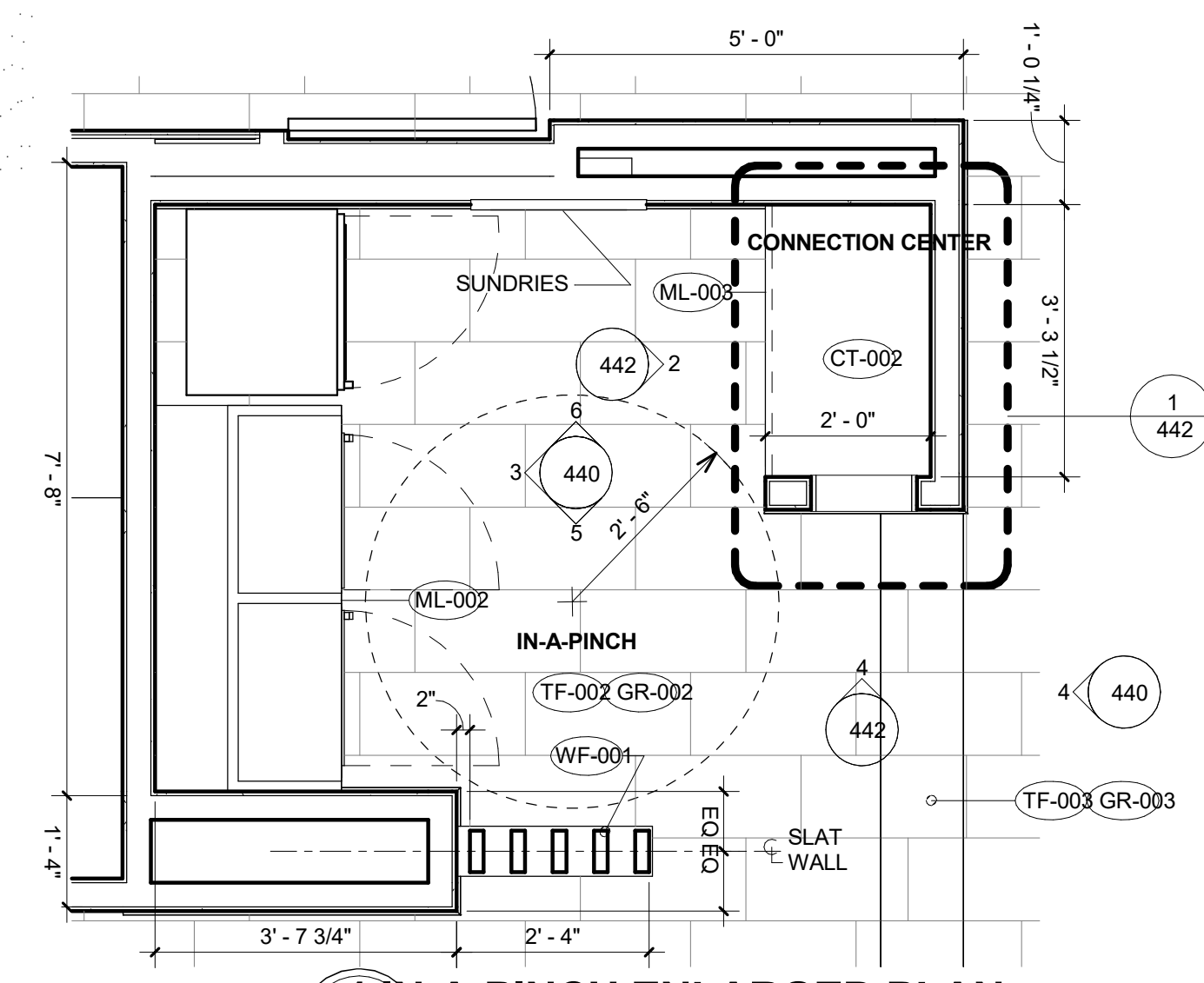
10 IN A PINCH EQUIPMENT FP
SCALE: 1/2" = 1'-0"



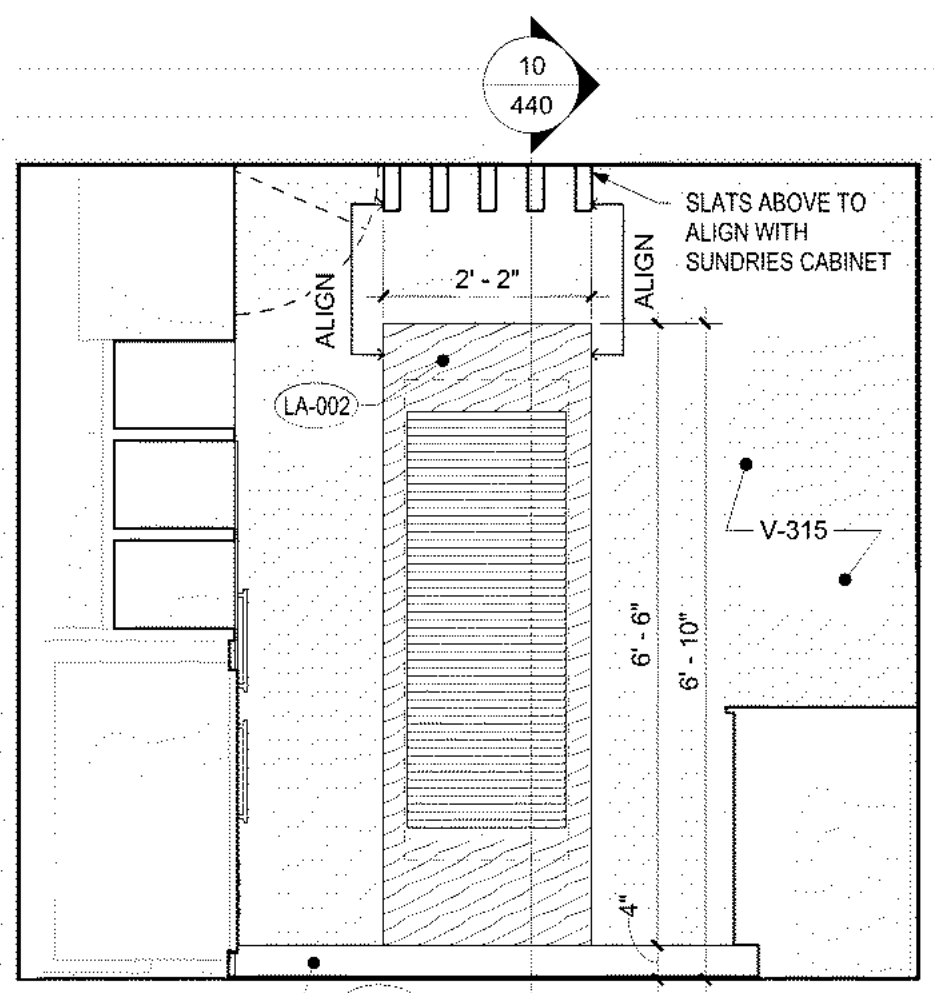
IN A PINCH EQUIPMENT ELEVATION WITH BEER AND WINE SERVICE
1/2" = 1'-0"



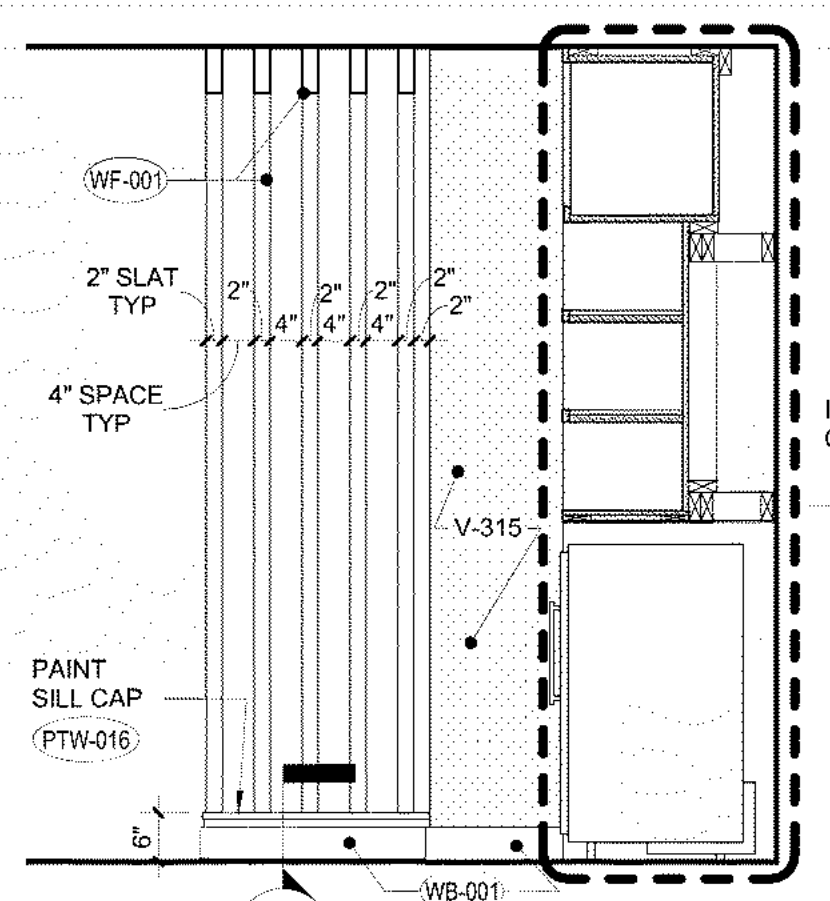
1 IN A PINCH EQUIPMENT ELEVATION - WITH BEER AND WINE SERVICE
SCALE: 1/2" = 1'-0"



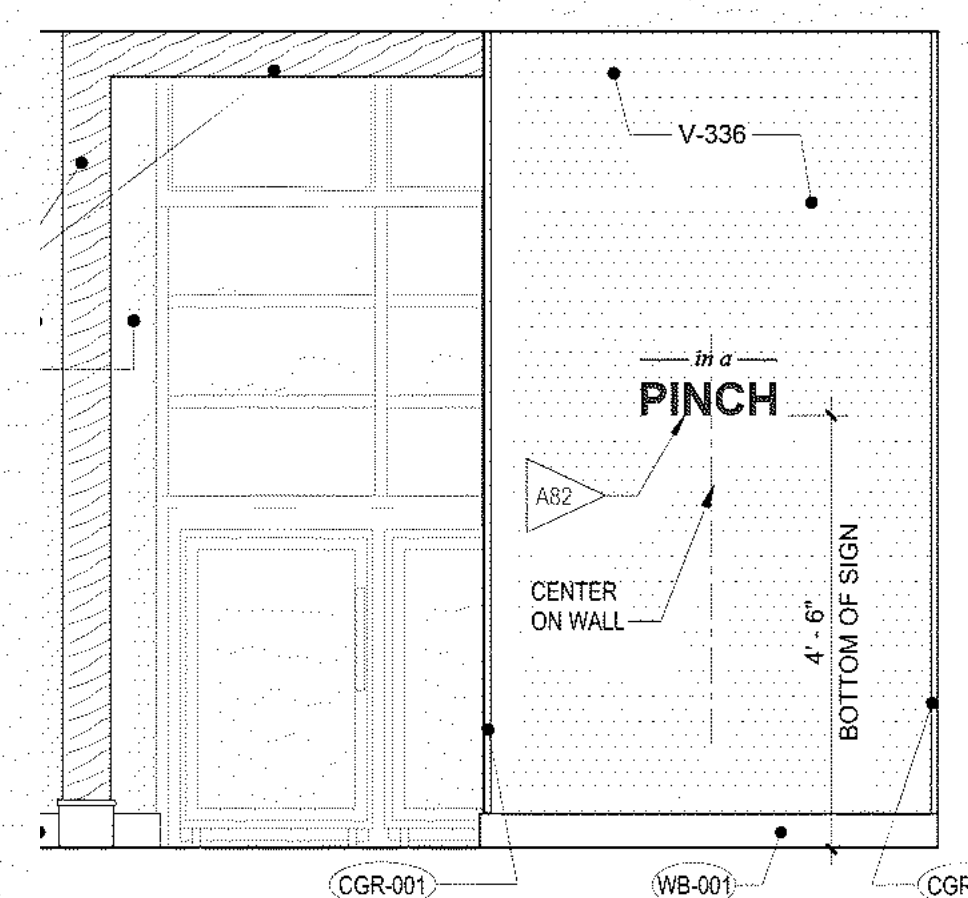
1 IN A PINCH ENLARGED PLAN
SCALE: 1/2" = 1'-0" REFERENCED FROM: 300



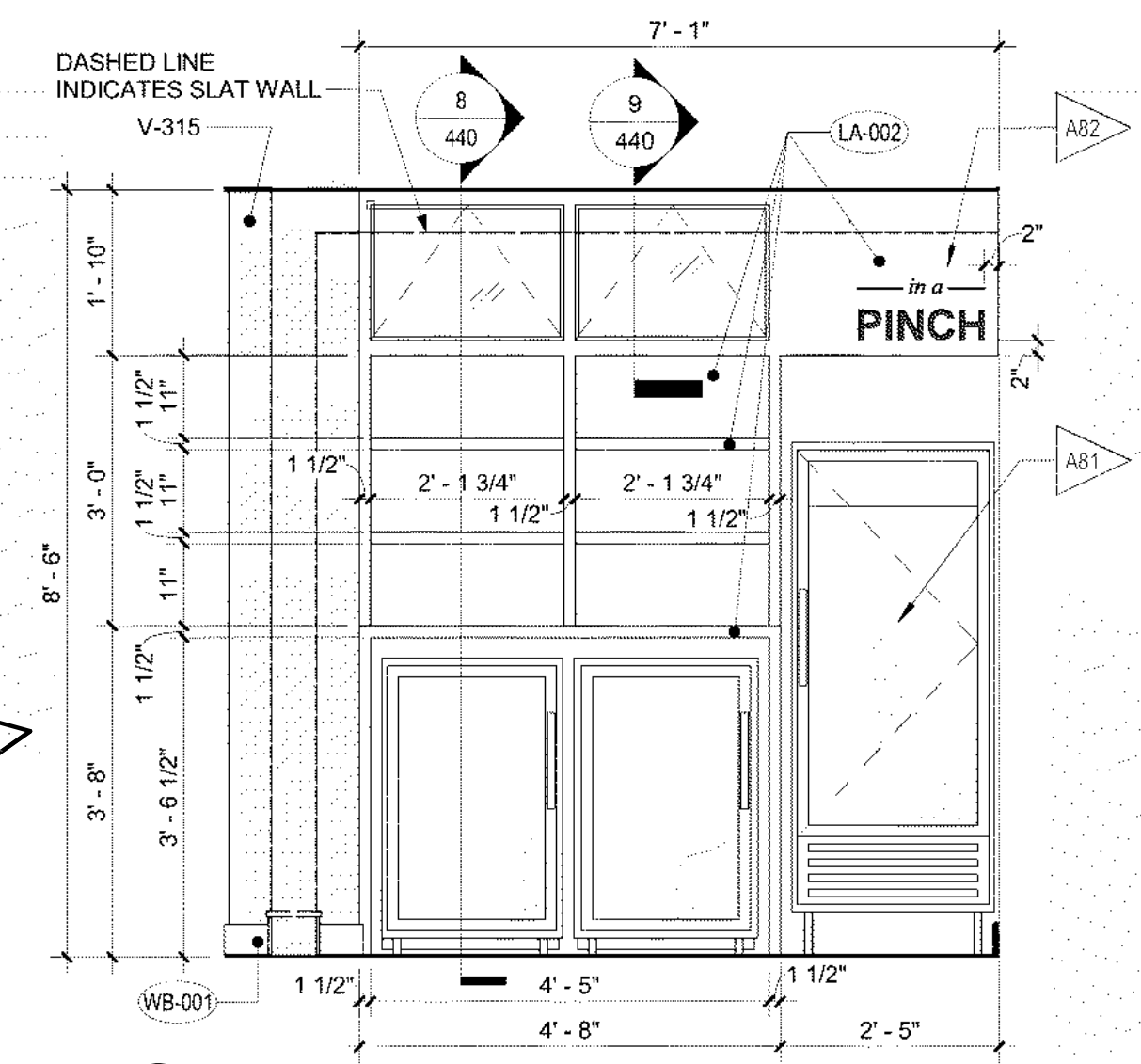
6 IN A PINCH SUNDRIES ELEVATION
SCALE: 1/2" = 1'-0"



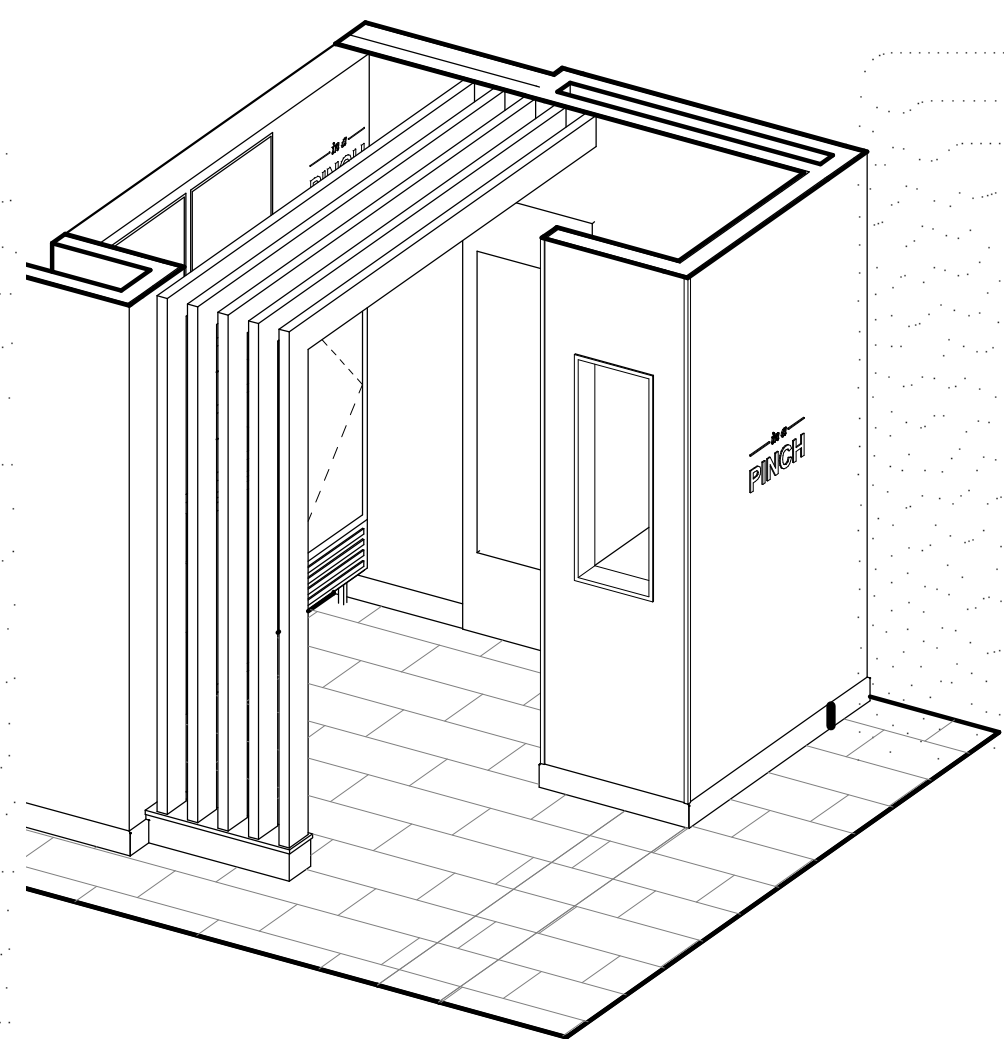
5 IN A PINCH SLAT WALL ELEVATION
1/2" = 1'-0"



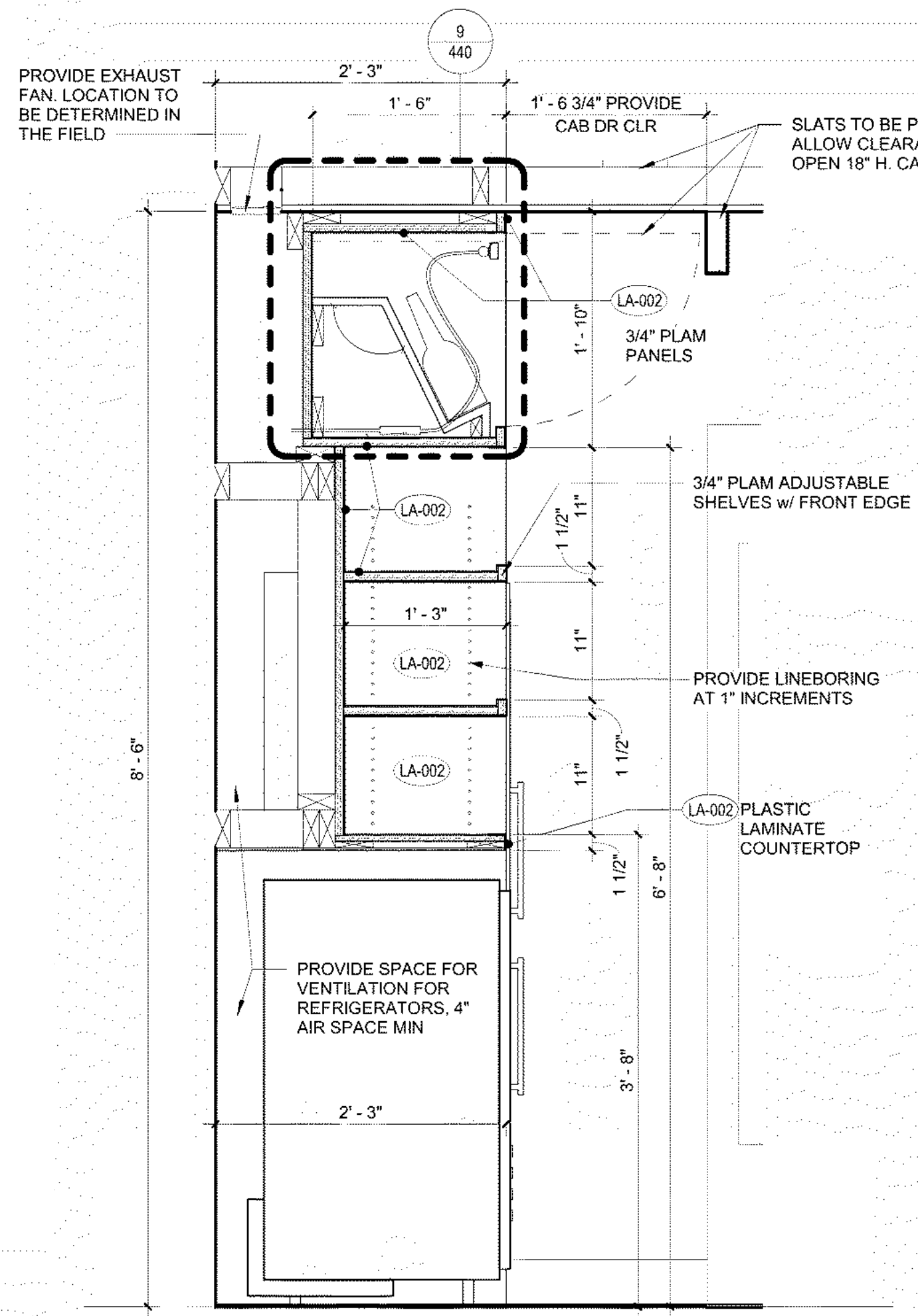
4 IN A PINCH ELEVATION
SCALE: 1/2" = 1'-0"



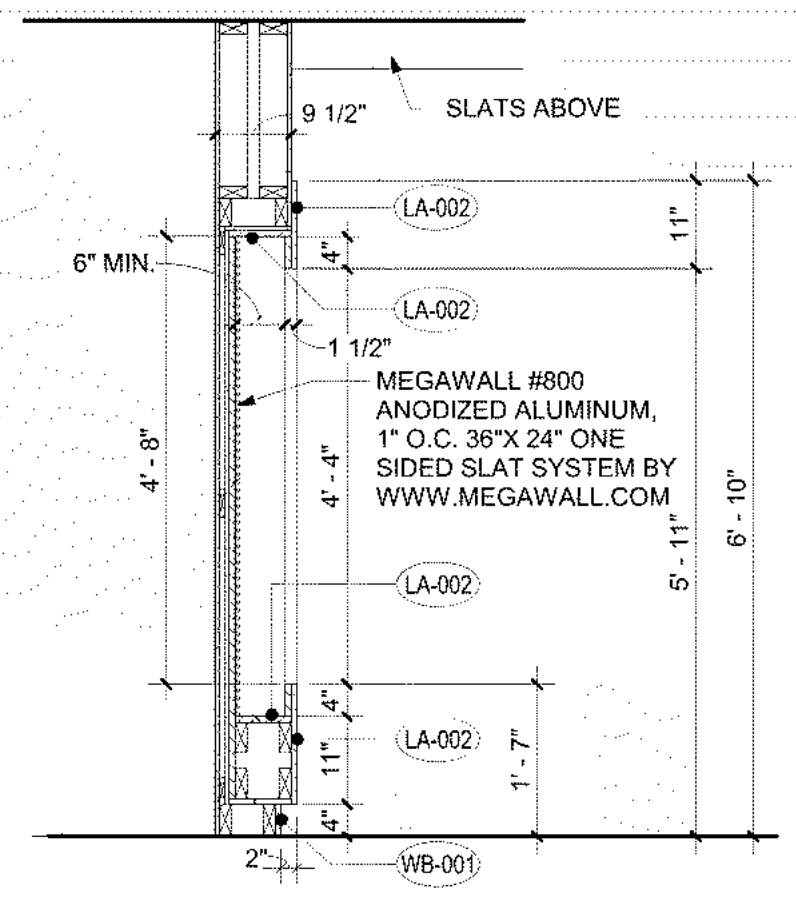
8 IN A PINCH EQUIPMENT
1/2" = 1'-0" SCALE: 1/2" = 1'-0"



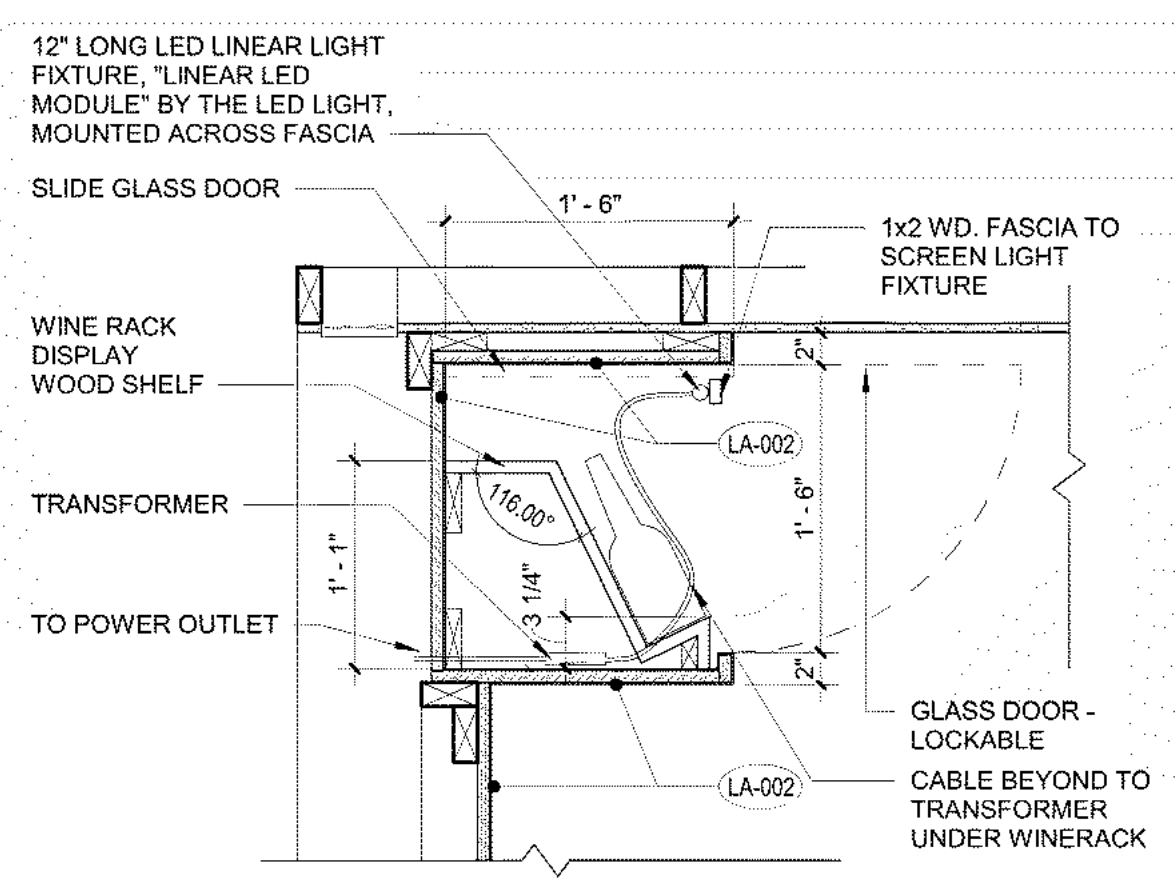
9 IN A PINCH 3D VIEW
1/2" = 1'-0"



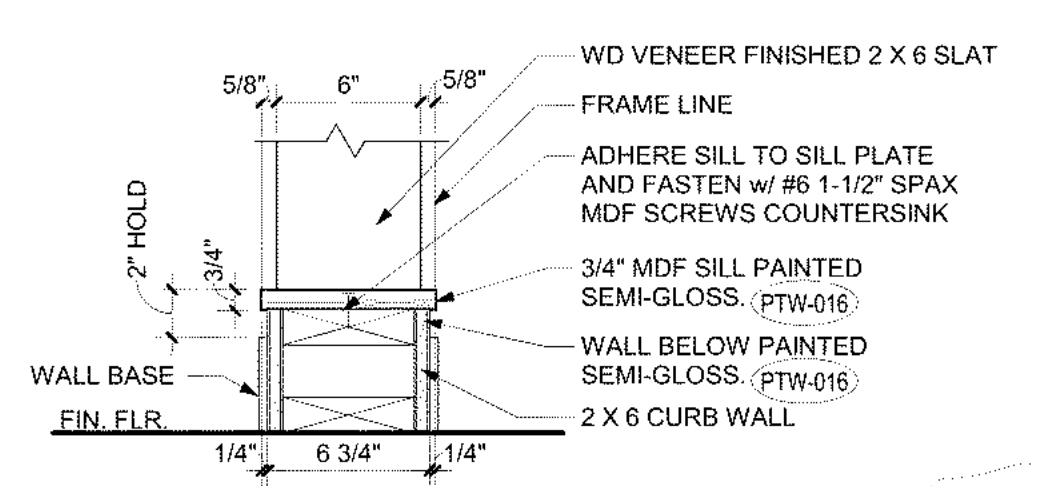
8 IN A PINCH SECTION
SCALE: 1/2" = 1'-0"



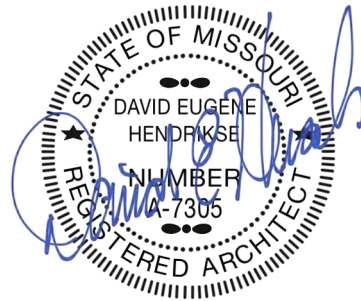
19 SUNDRIES SECTION
SCALE: 1/2" = 1'-0"



12 WINE CABINET LIGHTING DETAIL
SCALE: 1/2" = 1'-0"



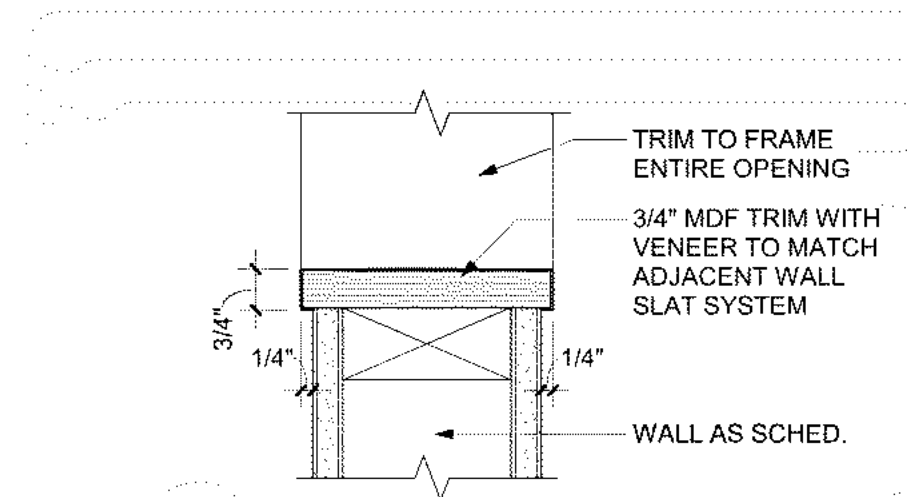
13 SLAT WALL CURB DETAIL
SCALE: 1 1/2" = 1'-0"



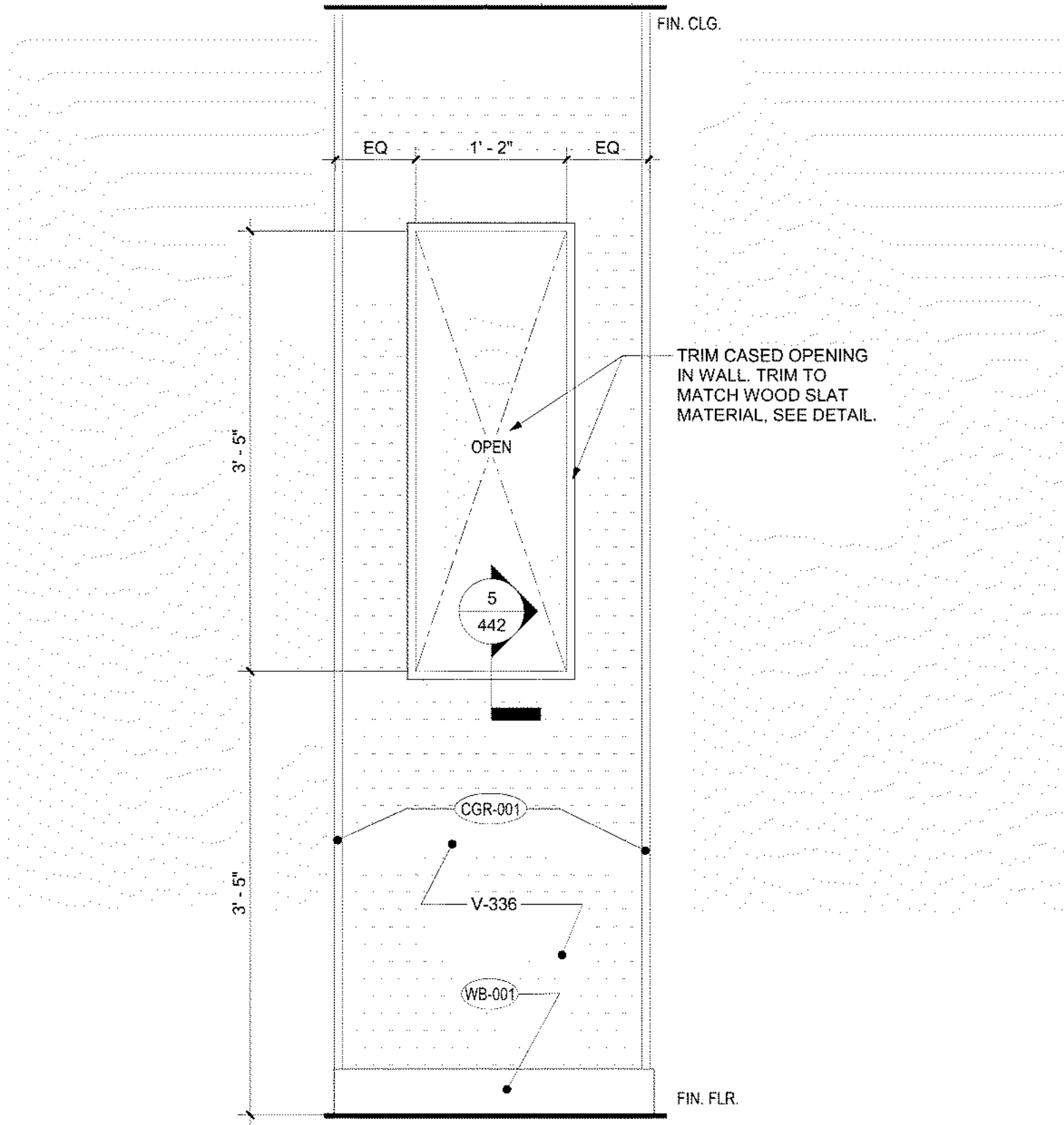
TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
CONNECTION CENTER
PROJECT NUMBER: 23098
SHEET NUMBER:

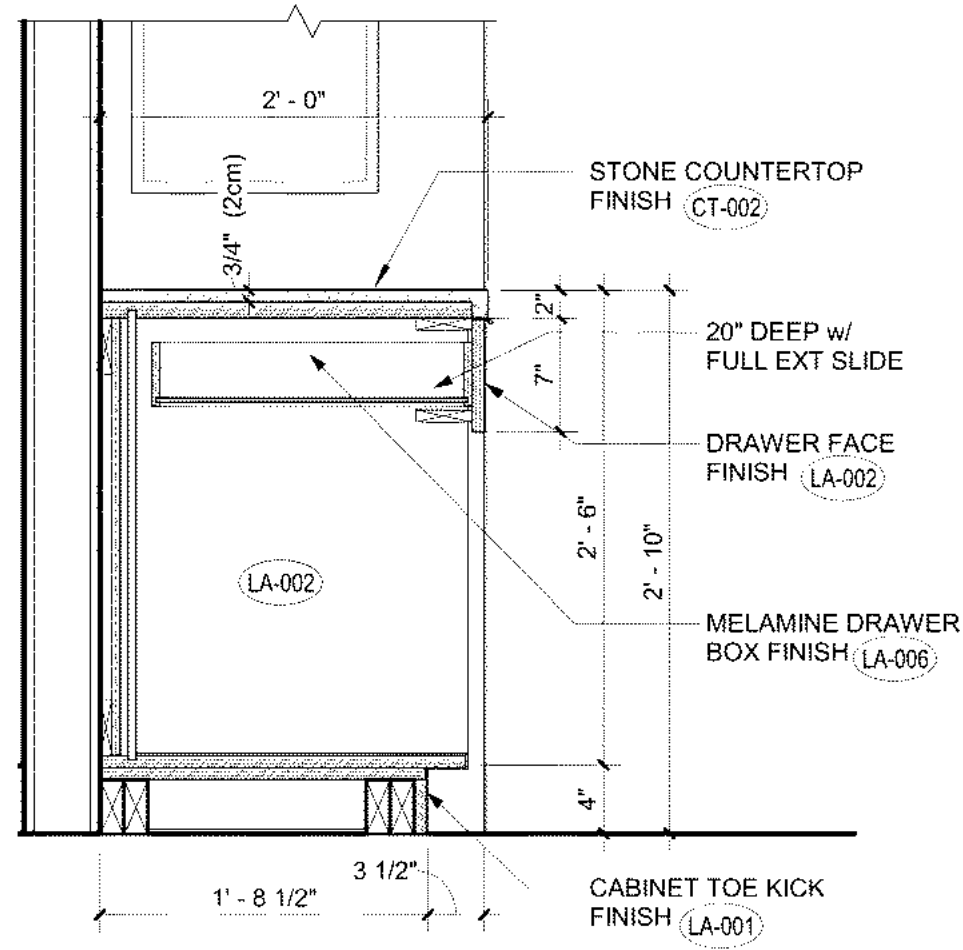
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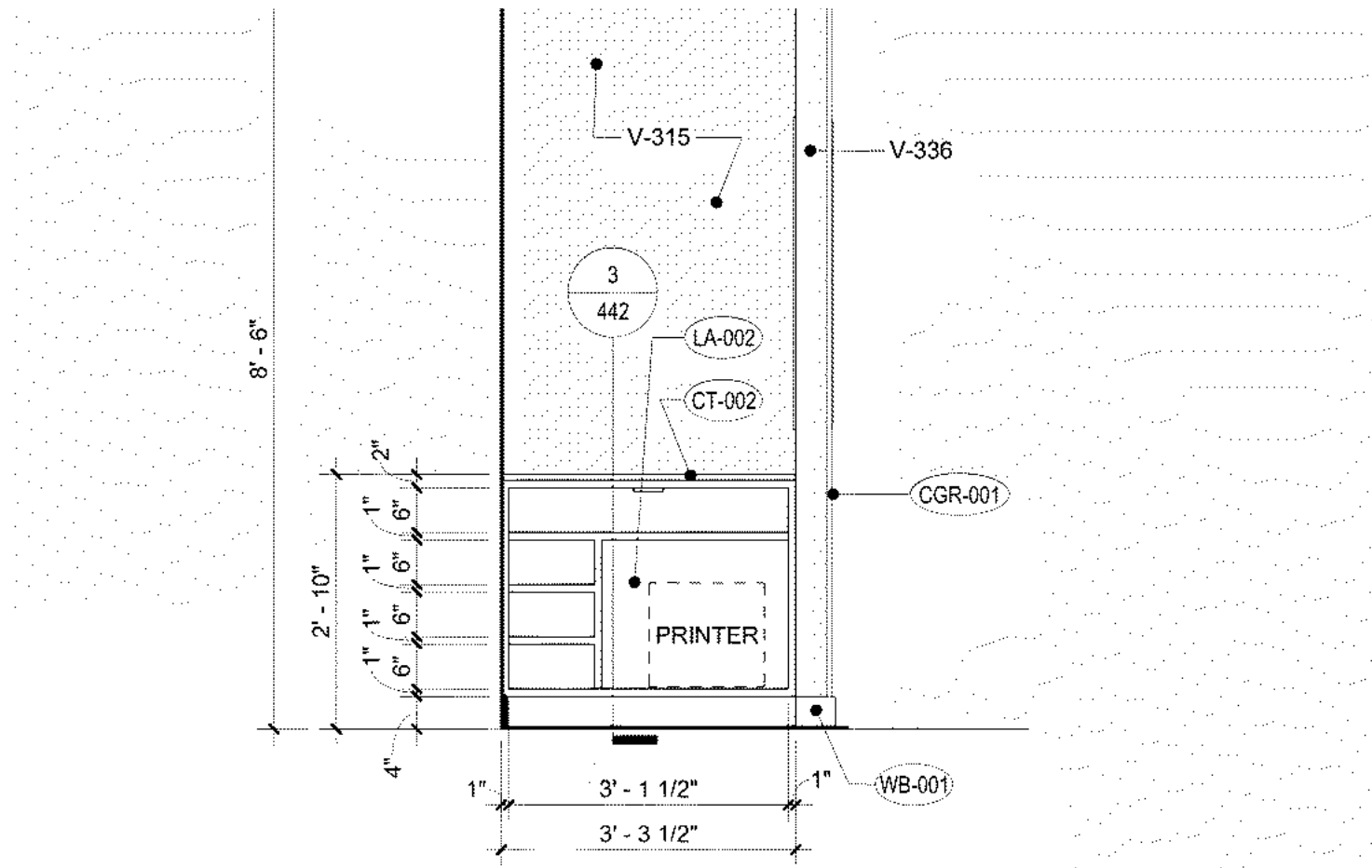
5 TRIM DETAIL
1/2" = 1'-0"



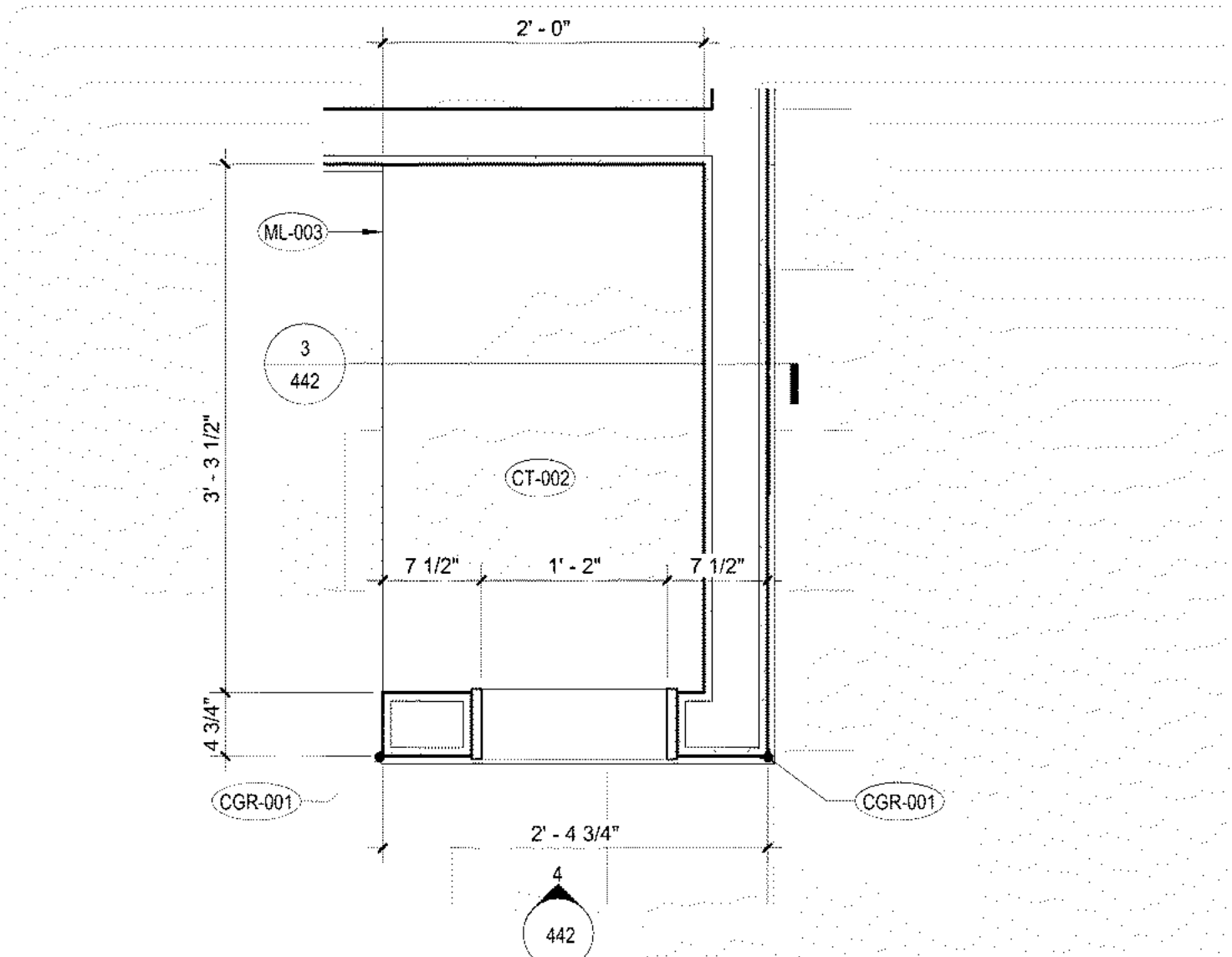
1 CONNECTION CENTER WALL ELEVATION
1" = 1'-0"



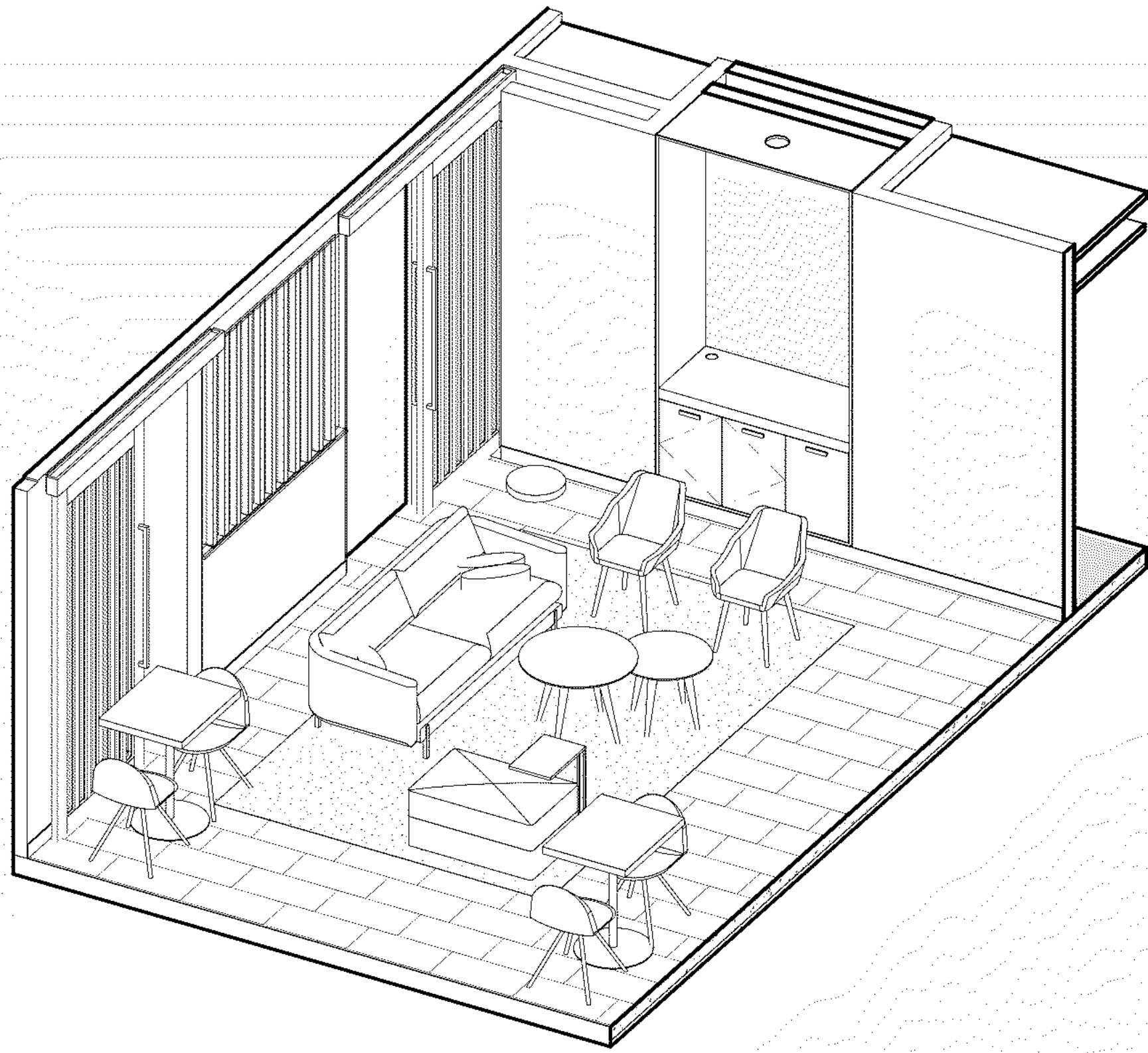
4 CONNECTION CENTER MILLWORK SECTION
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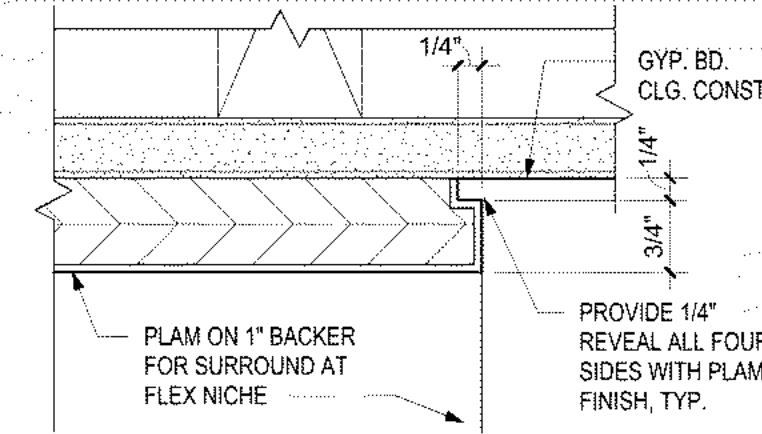
3 CONNECTION CENTER ELEVATION
1/2" = 1'-0"



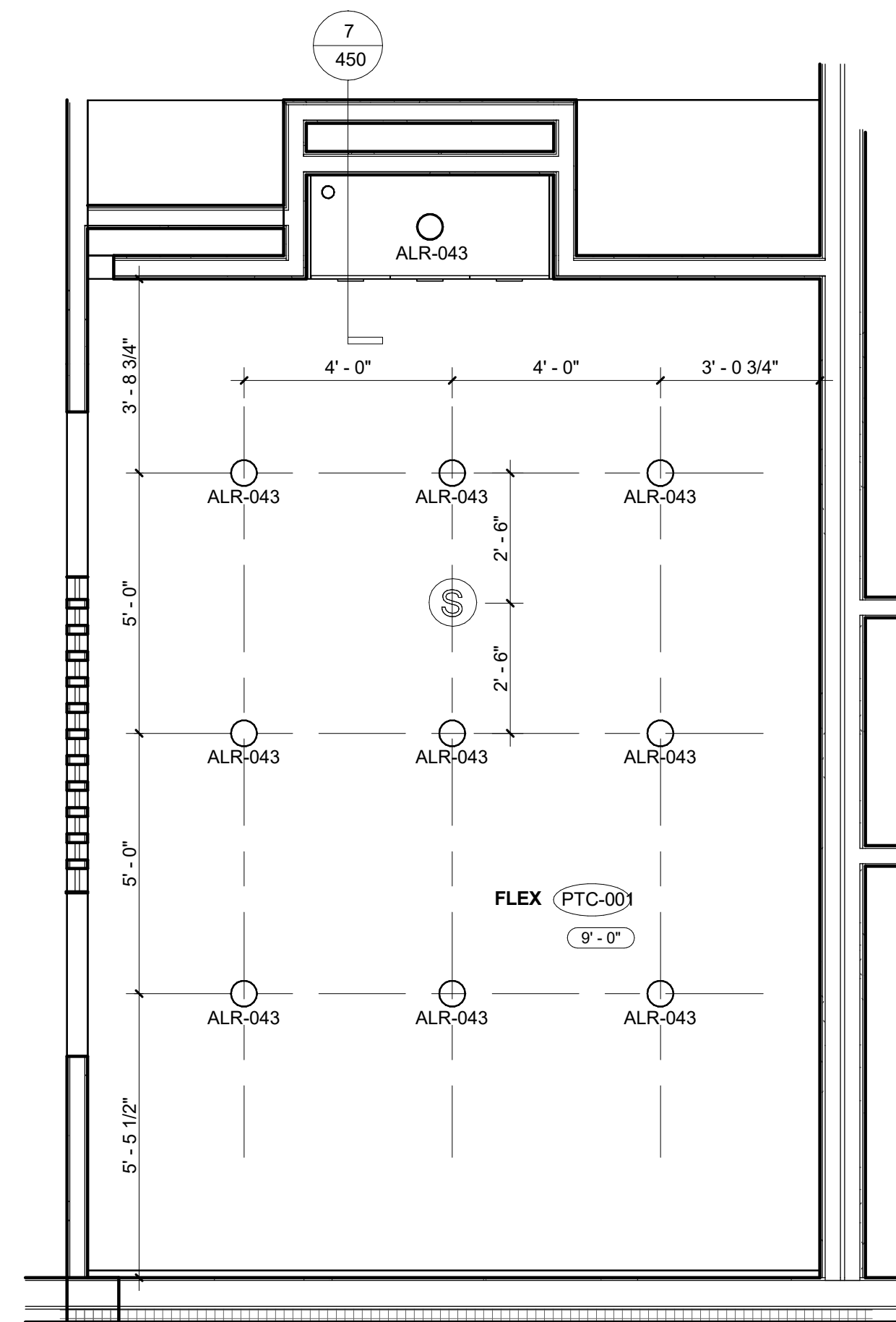
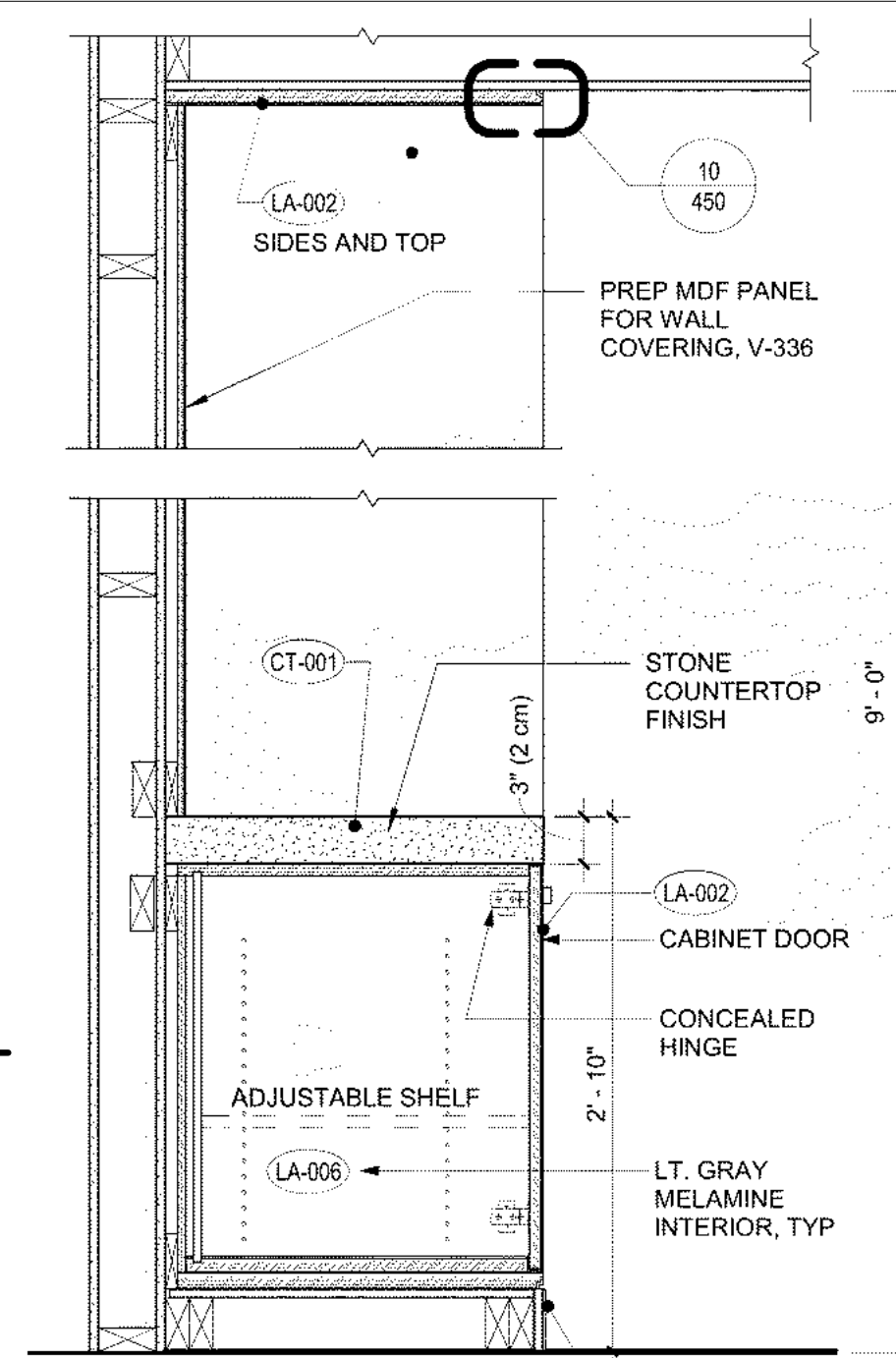
2 CONNECTION CENTER MILLWORK PLAN
1" = 1'-0"



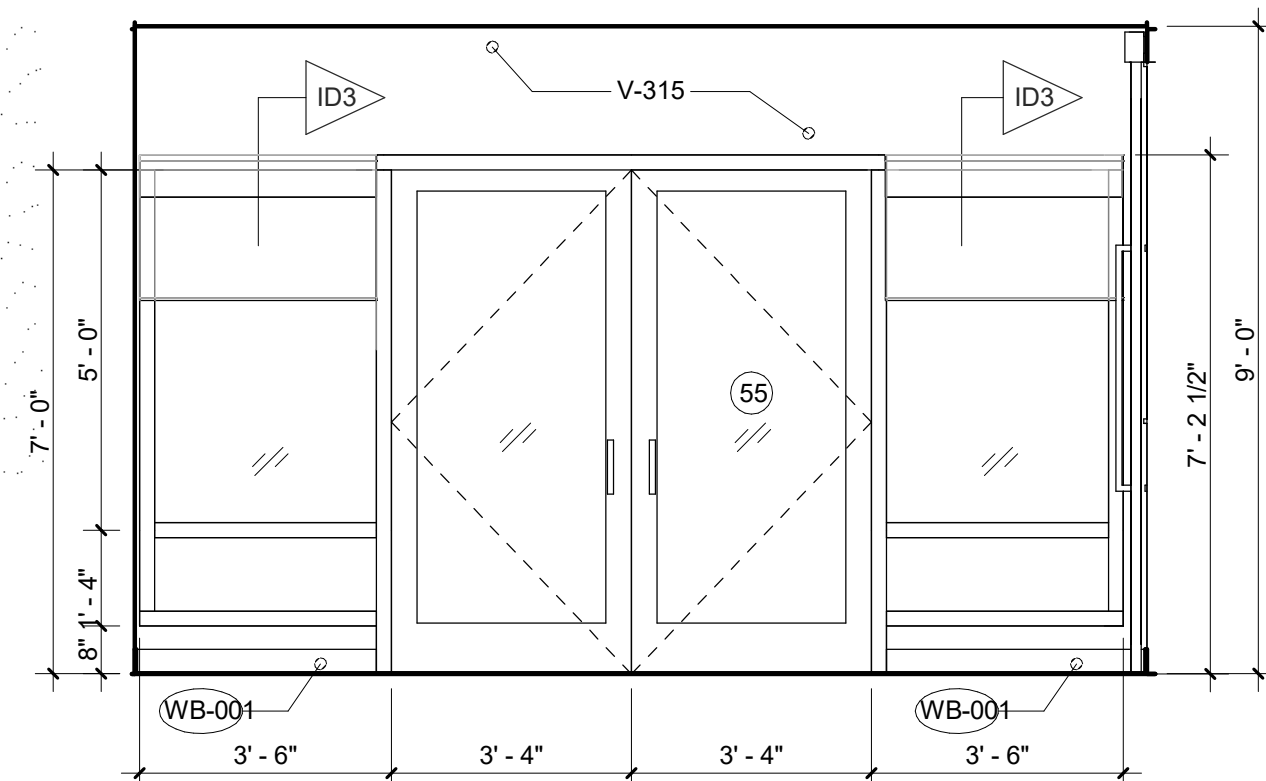
2 FLEX ROOM MILLWORK DETAIL
6" = 1'-0"



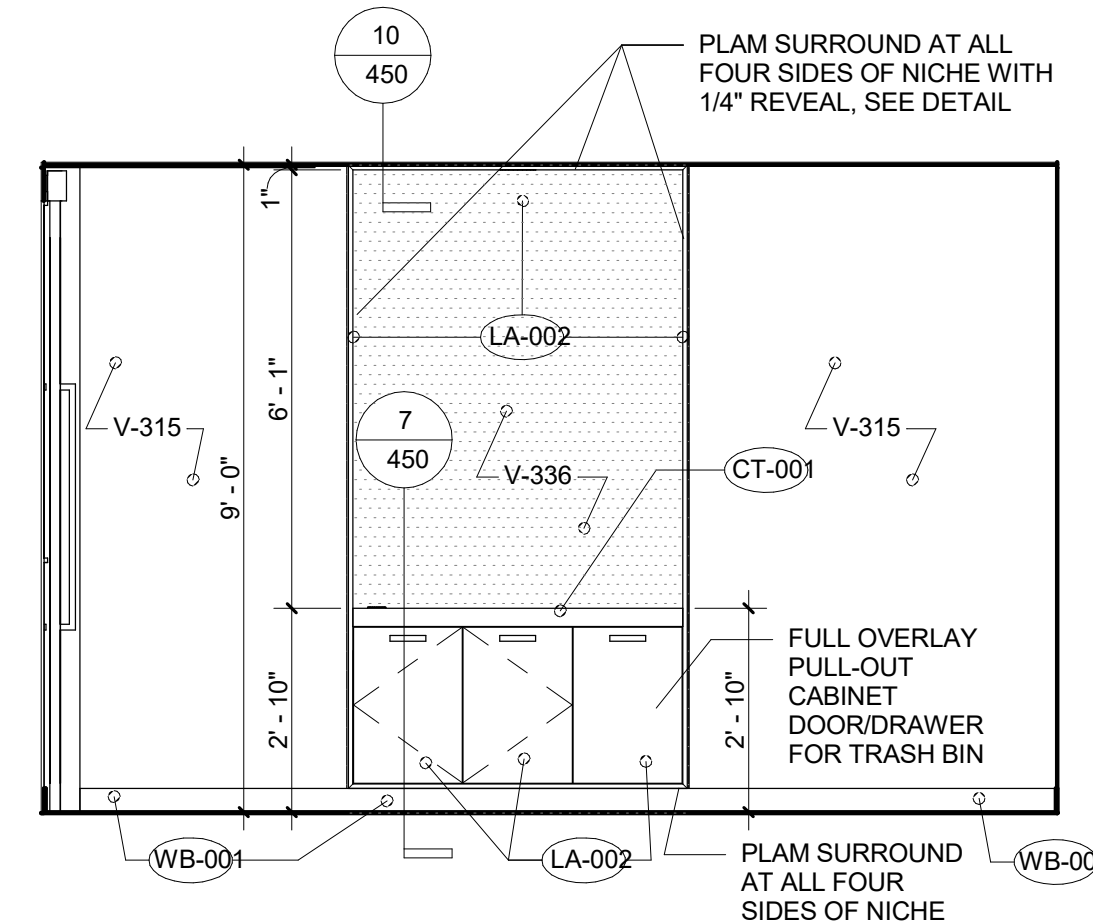
3 FLEX ROOM MILLWORK SECTION DETAIL
1" = 1'-0"



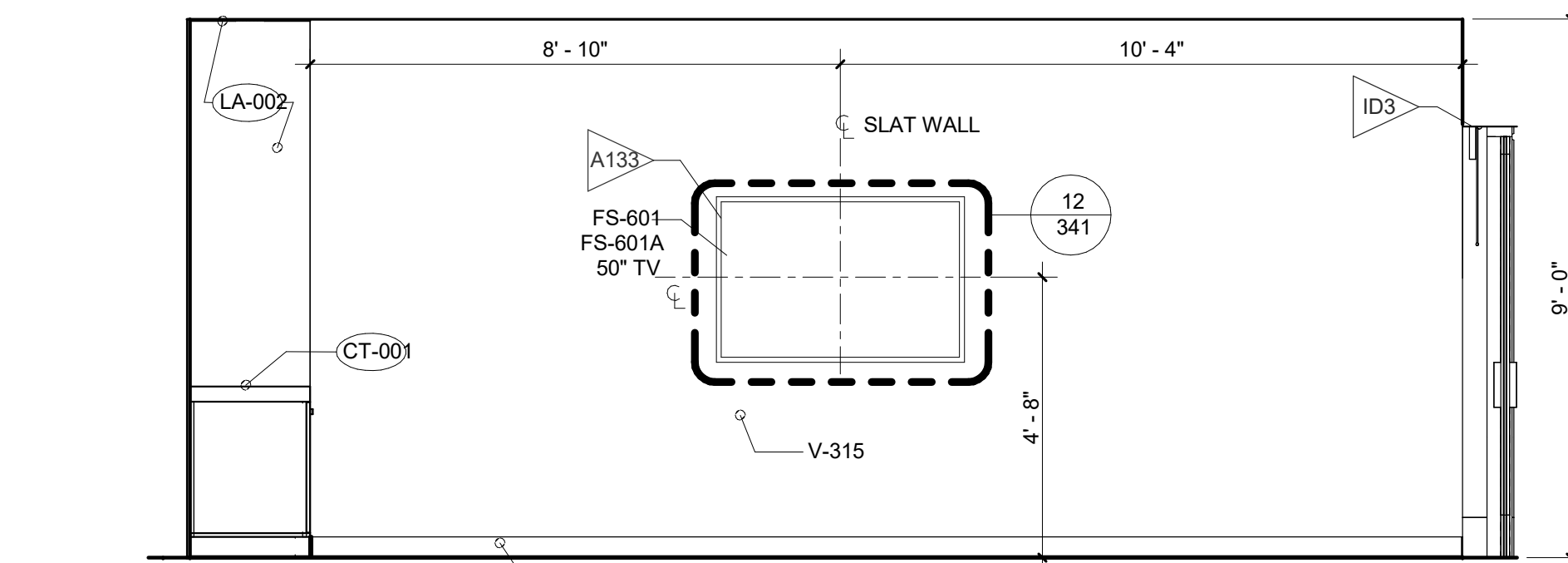
4 FLEX ROOM RCP
3/8" = 1'-0"



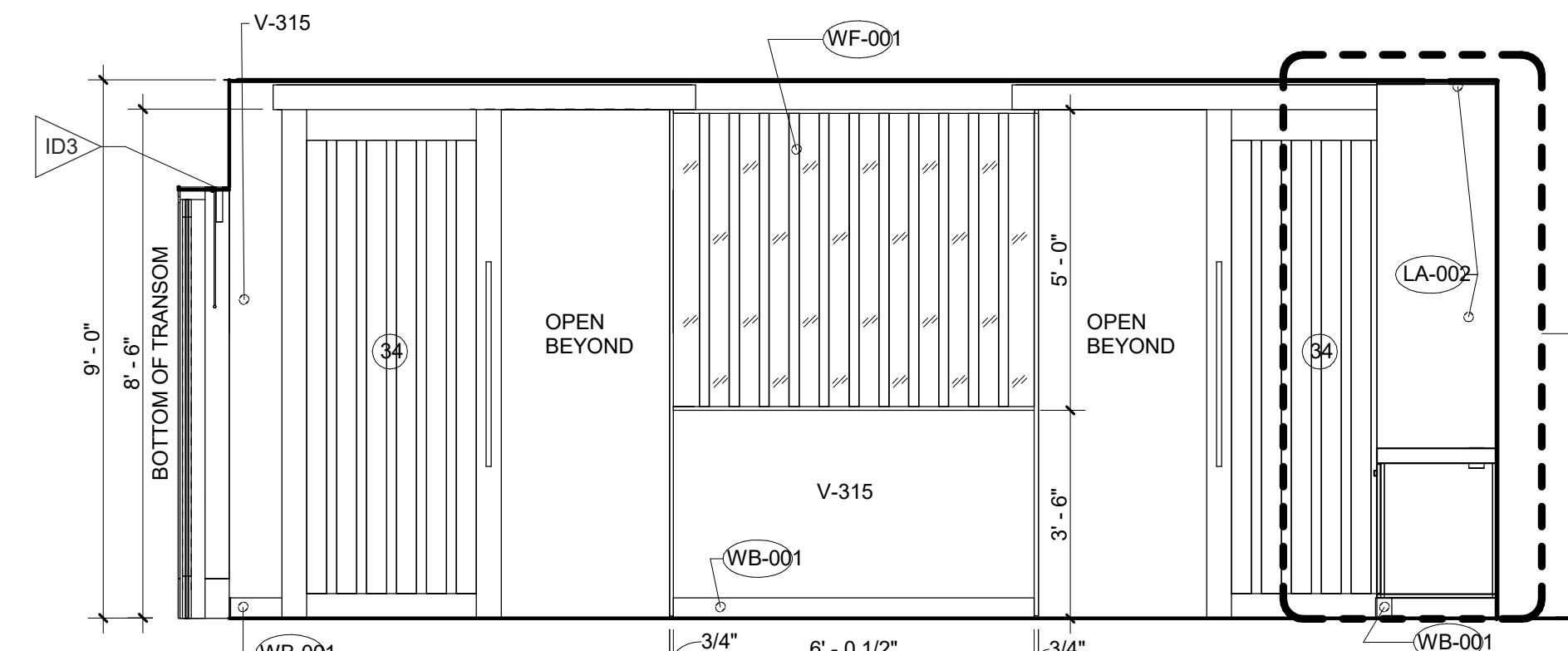
5 FLEX ROOM ELEVATION 1
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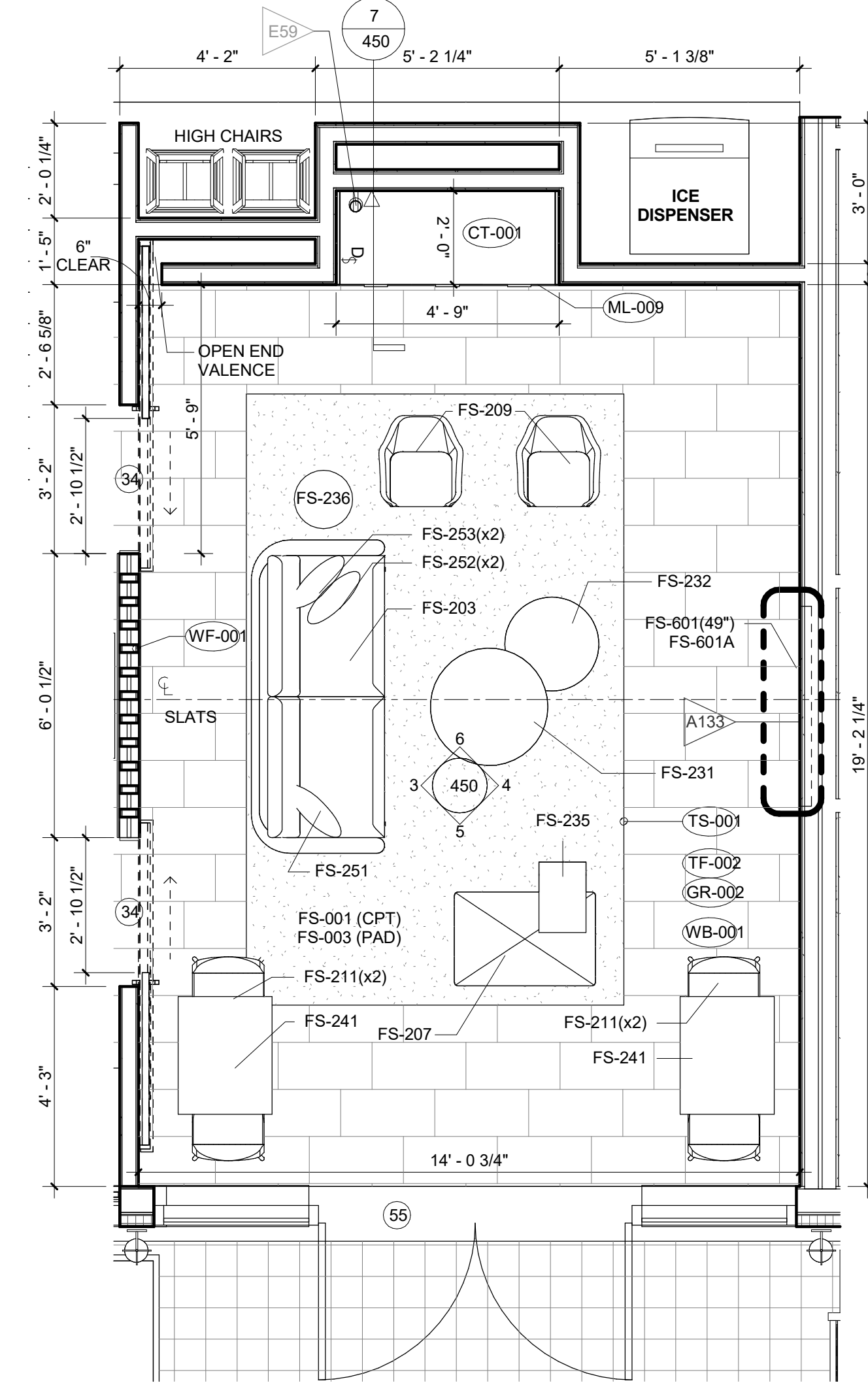
6 FLEX ROOM ELEVATION 2
3/8" = 1'-0"



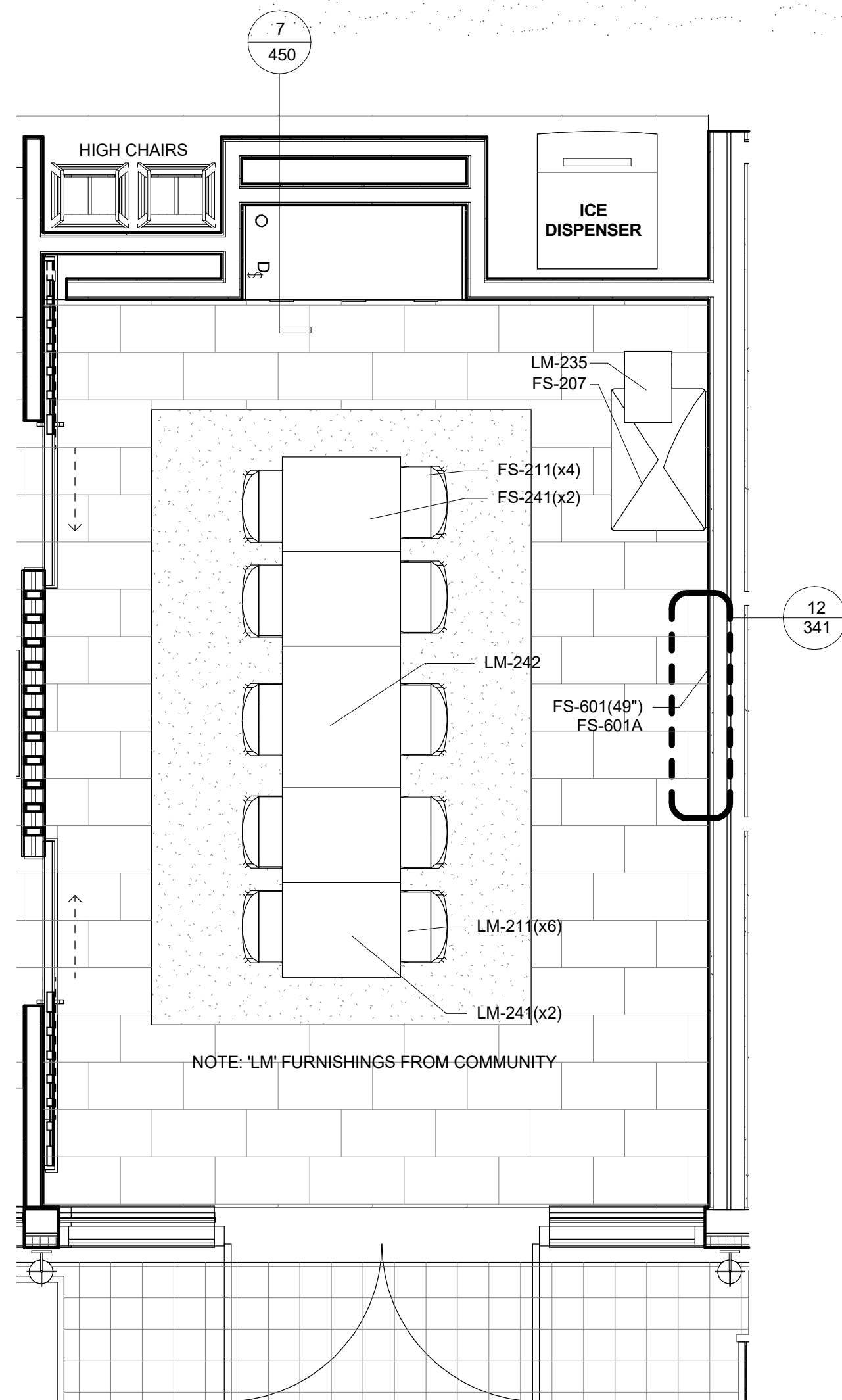
7 FLEX ROOM ELEVATION 3
3/8" = 1'-0"



8 FLEX ROOM ELEVATION 4
3/8" = 1'-0"



9 FLEX ROOM FURN PLAN
3/8" = 1'-0"

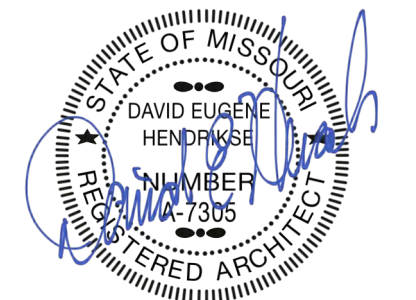


10 FLEX ROOM ALTERNATE FURN PLAN
3/8" = 1'-0"

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1526 Grand Boulevard
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1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

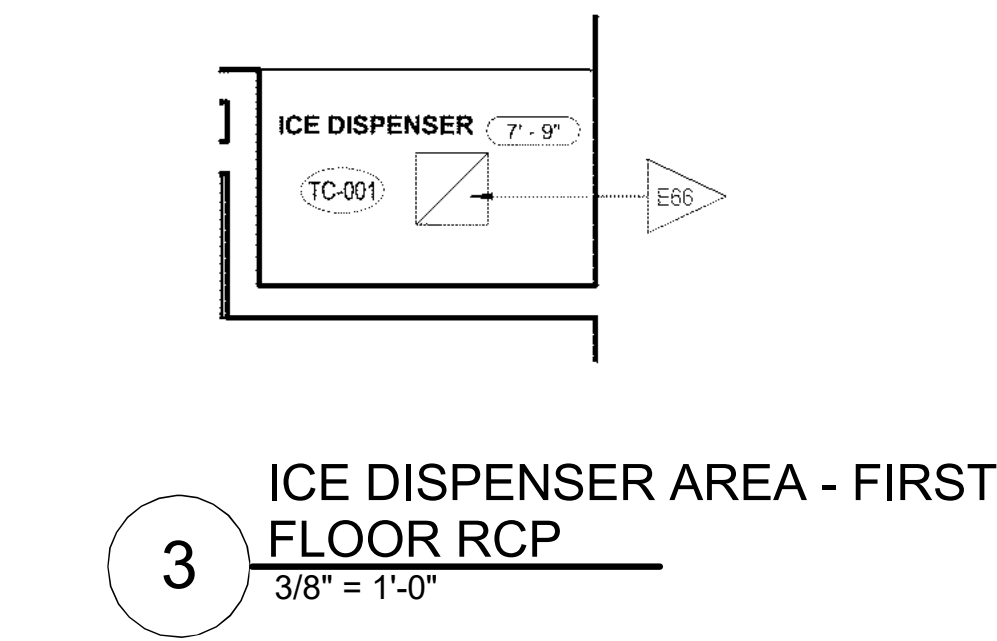
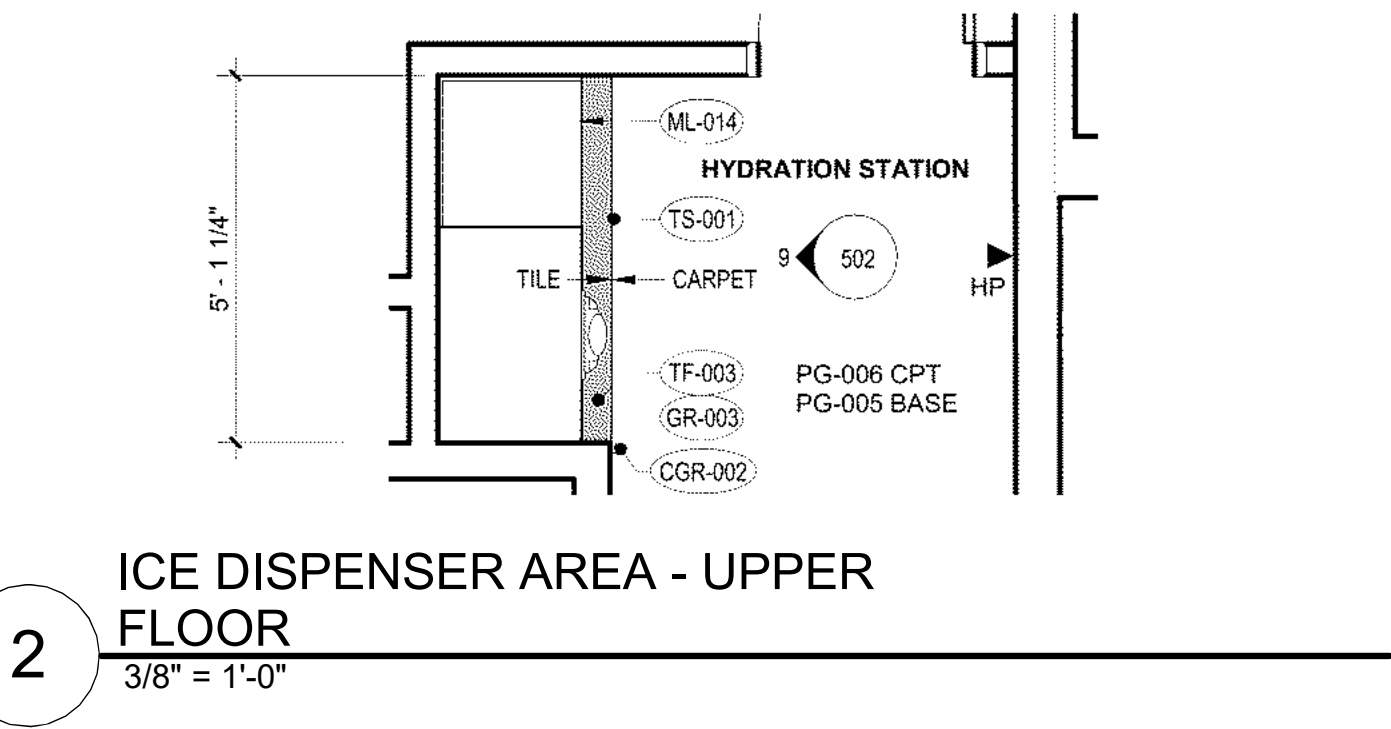
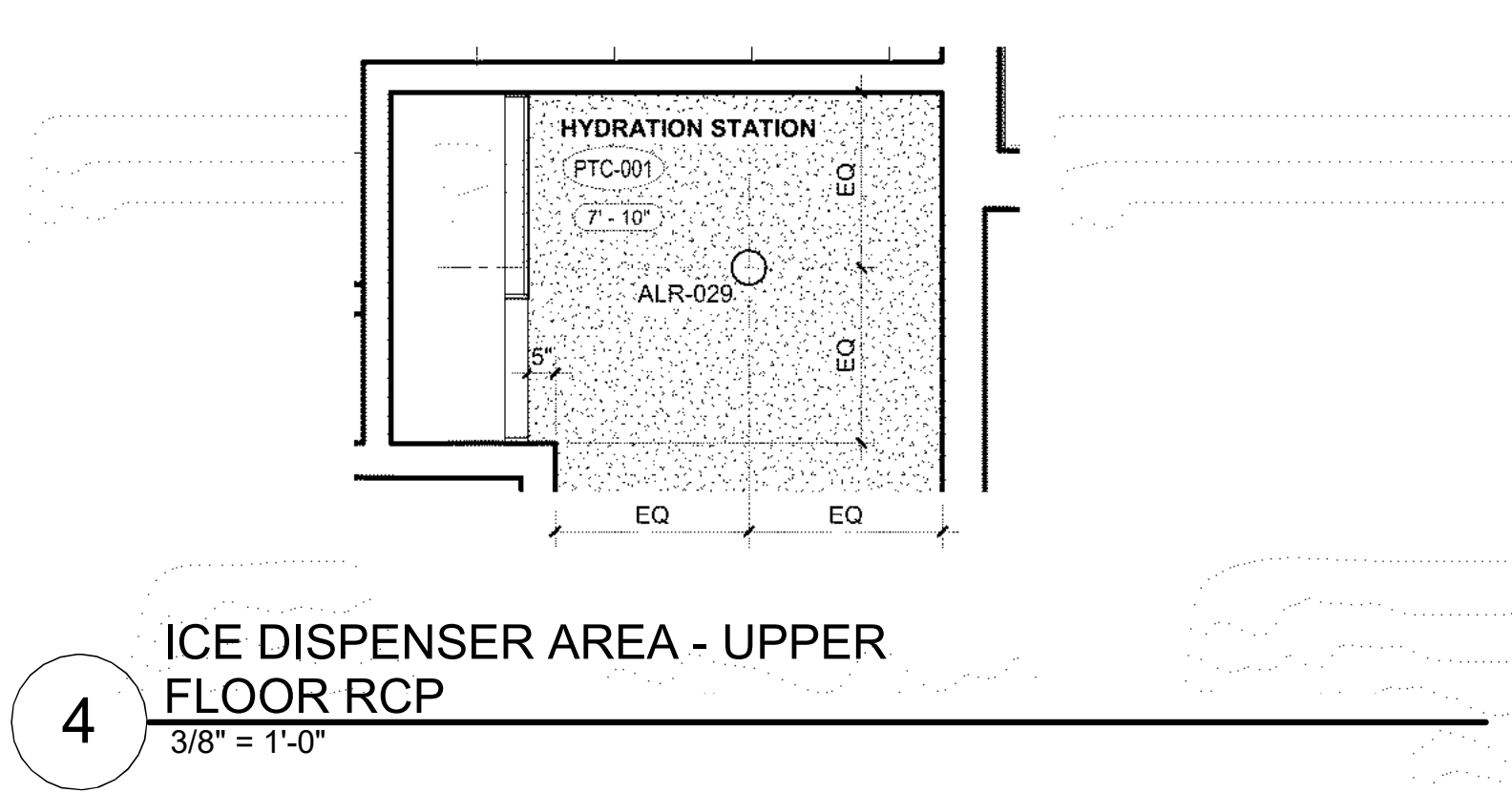
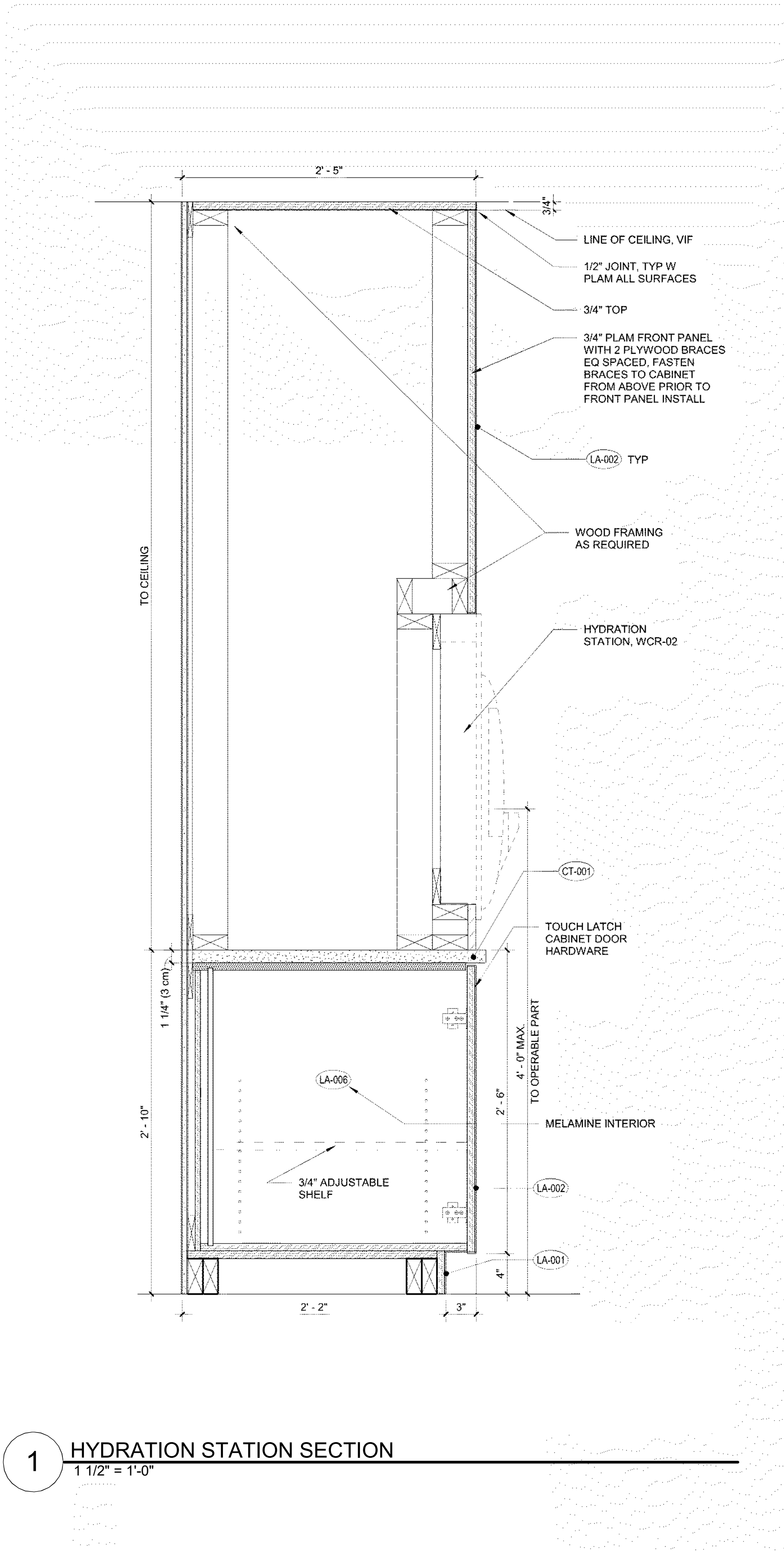
SHEET TITLE
FLEX DETAILS

PROJECT NUMBER: 23098

SHEET NUMBER:

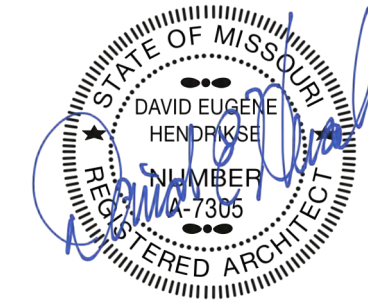
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11/01/2023 - CITY SUBMITTAL
REVISIONS:

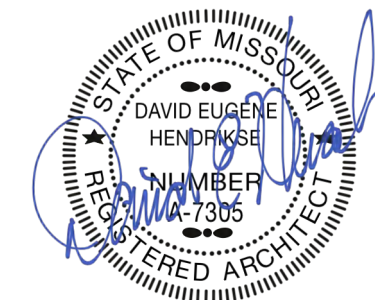
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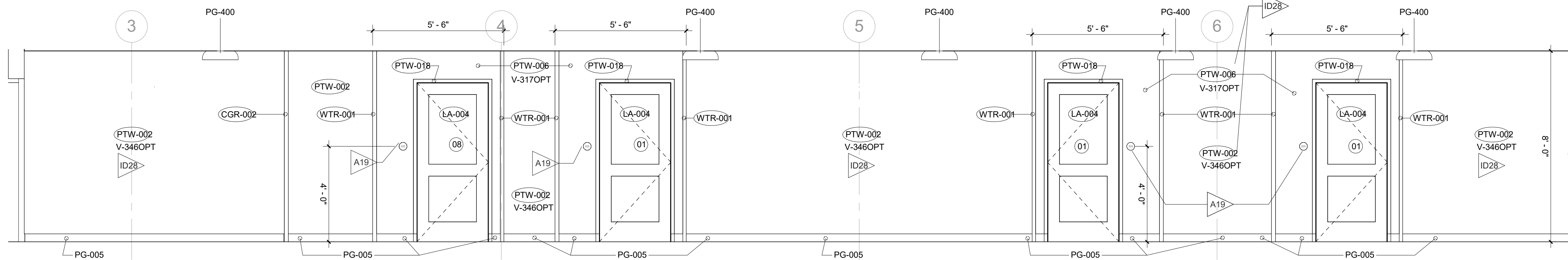
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HYDRATION STATION/ ICE
DISPENSER
PROJECT NUMBER: 23098
SHEET NUMBER:

A-730

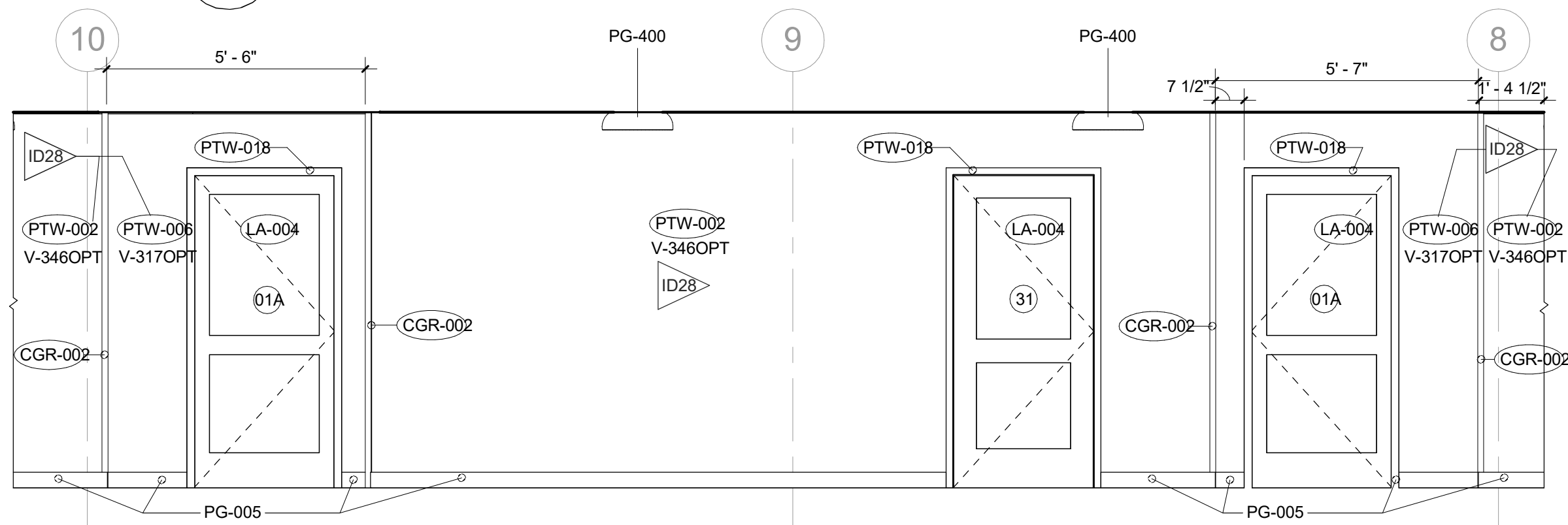


TOWNEPLACE SUITES
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

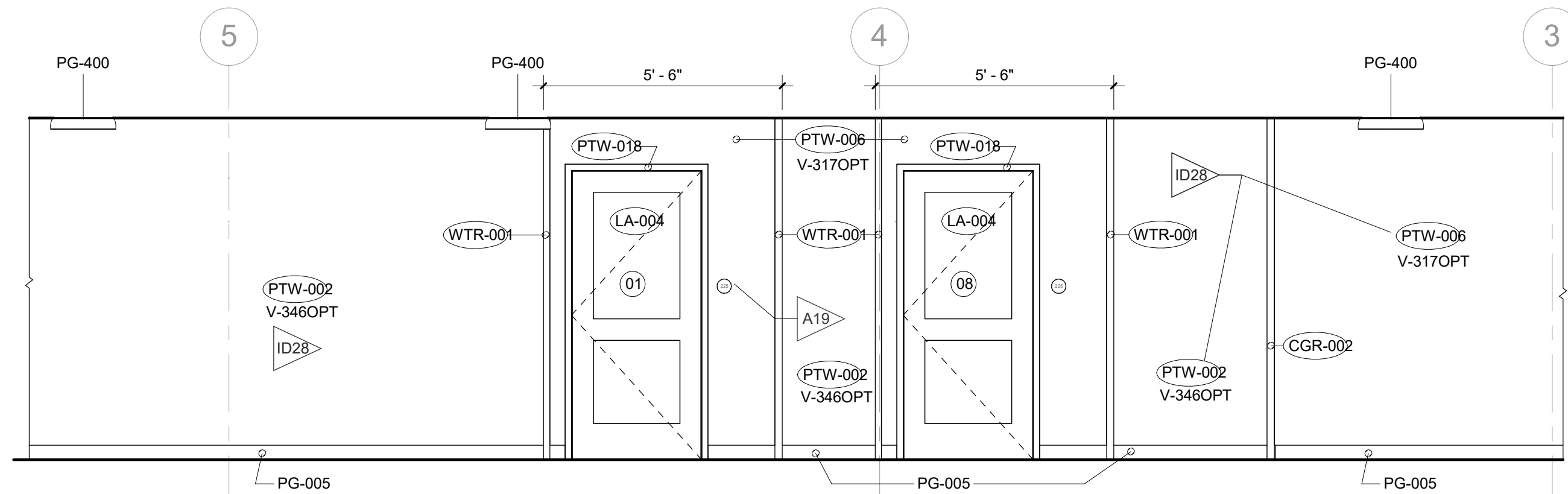
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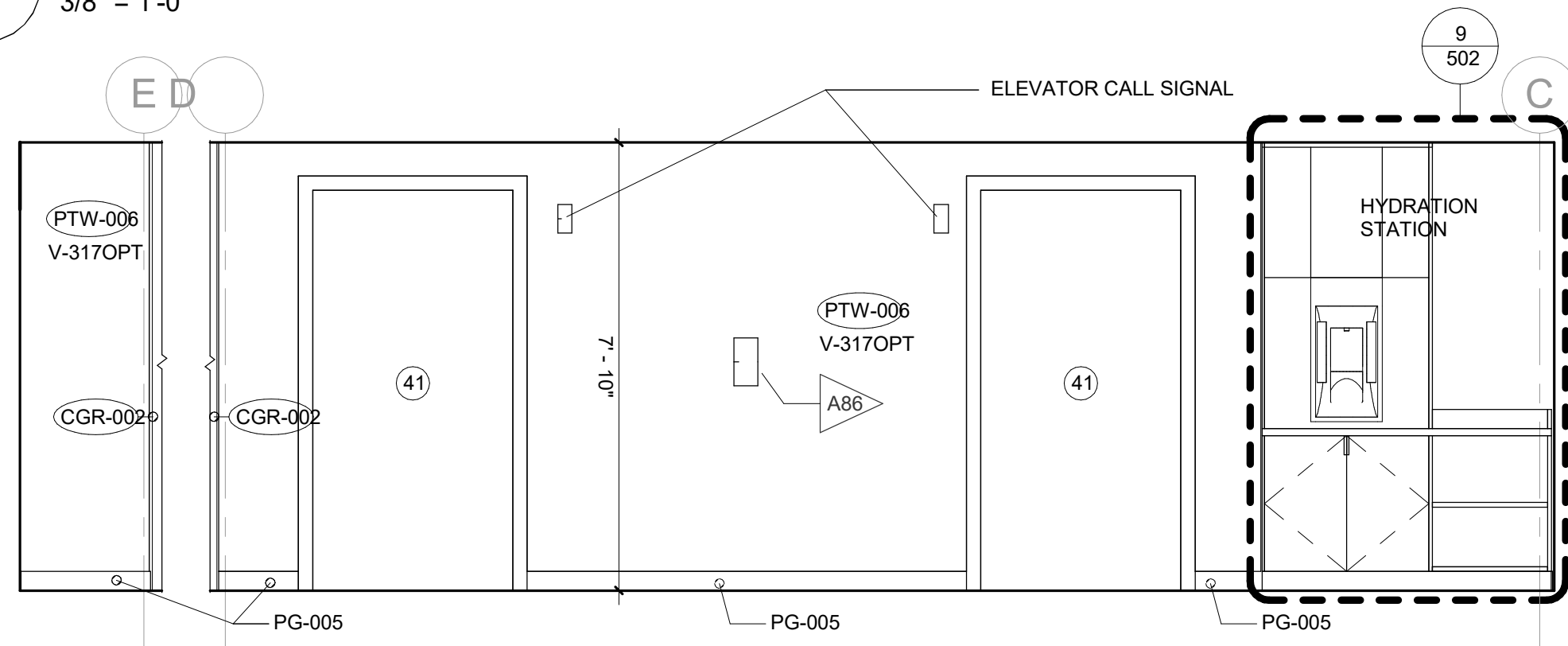
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3/8" = 1'-0"



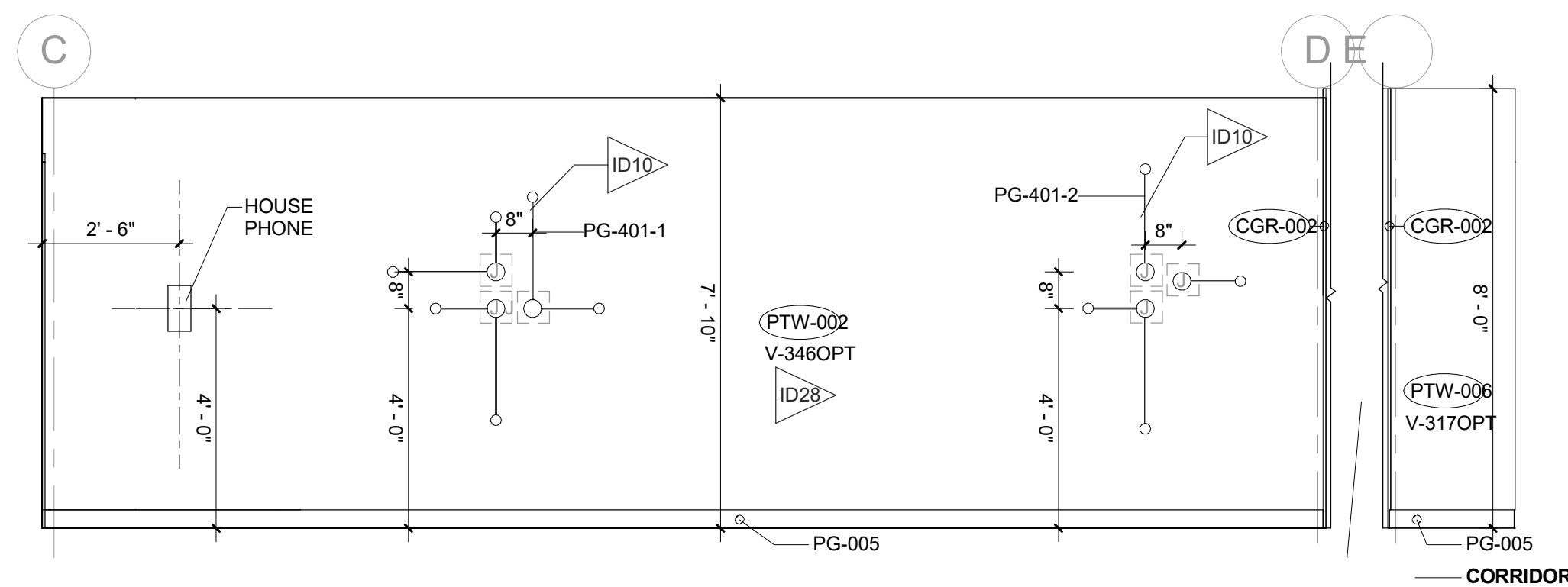
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3/8" = 1'-0"



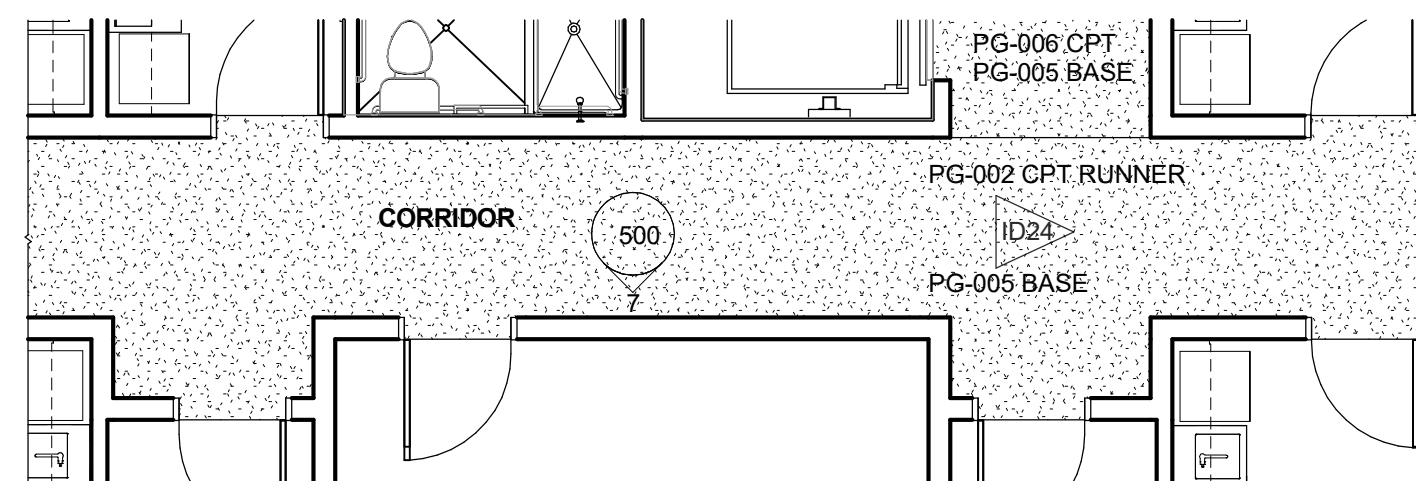
3 PARTIAL INT. ELEVATION GUESTROOM CORRIDOR 3
3/8" = 1'-0"



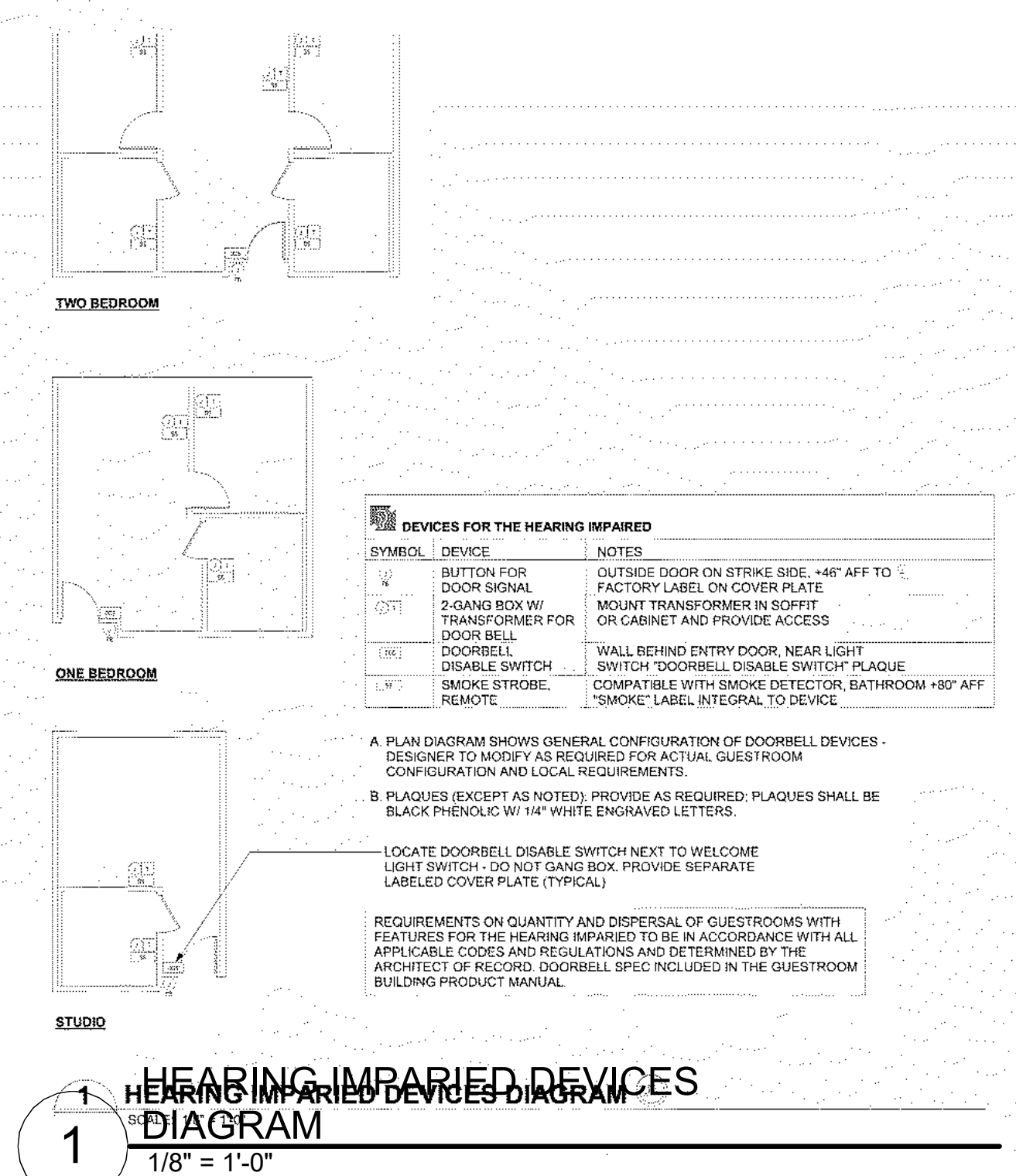
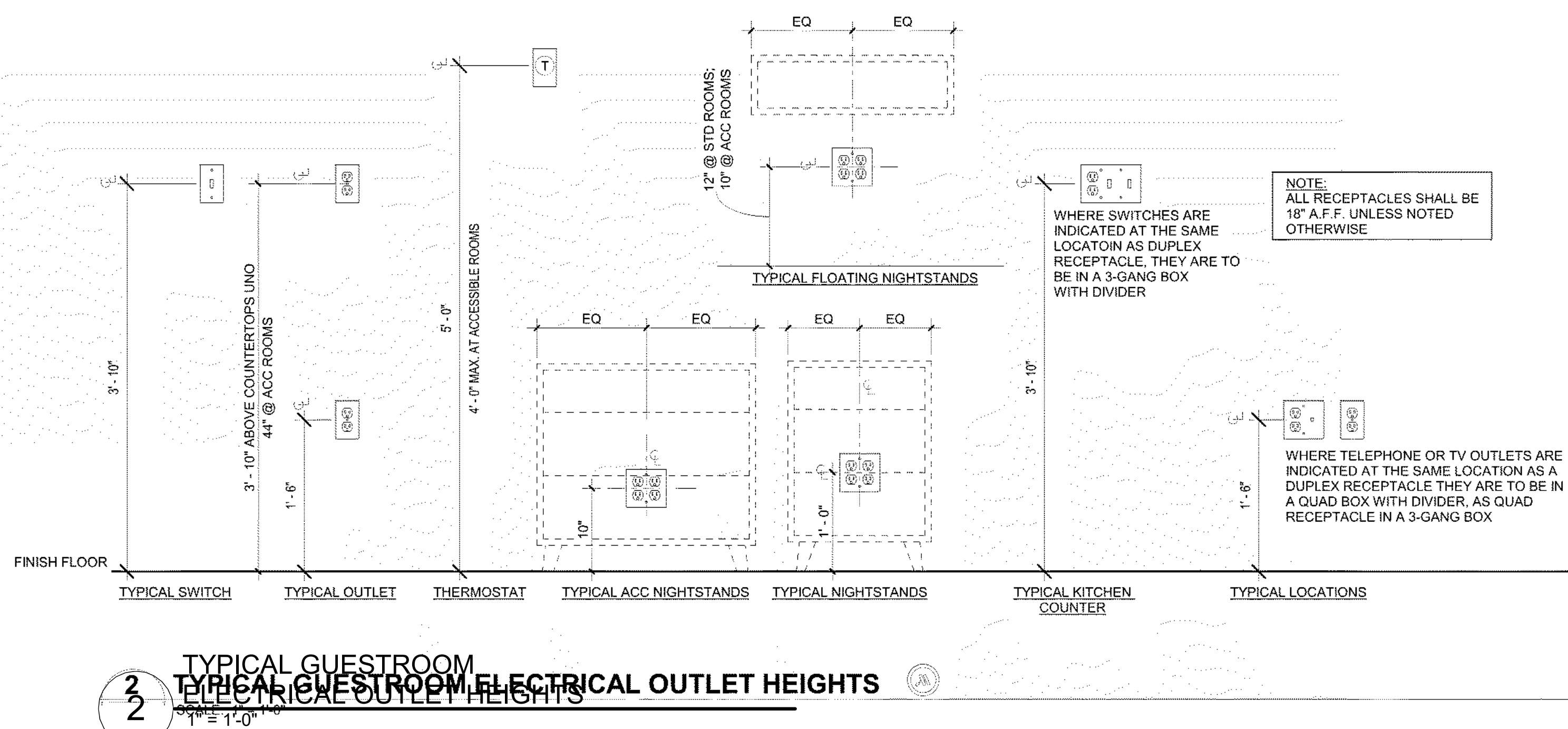
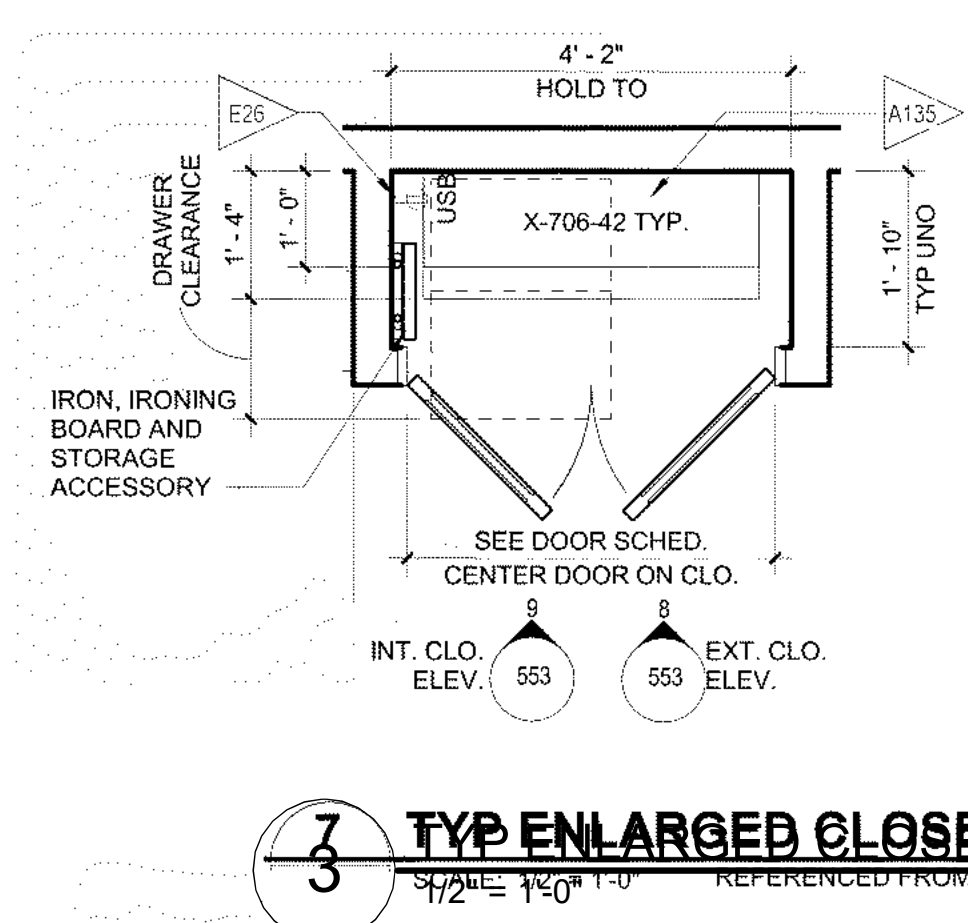
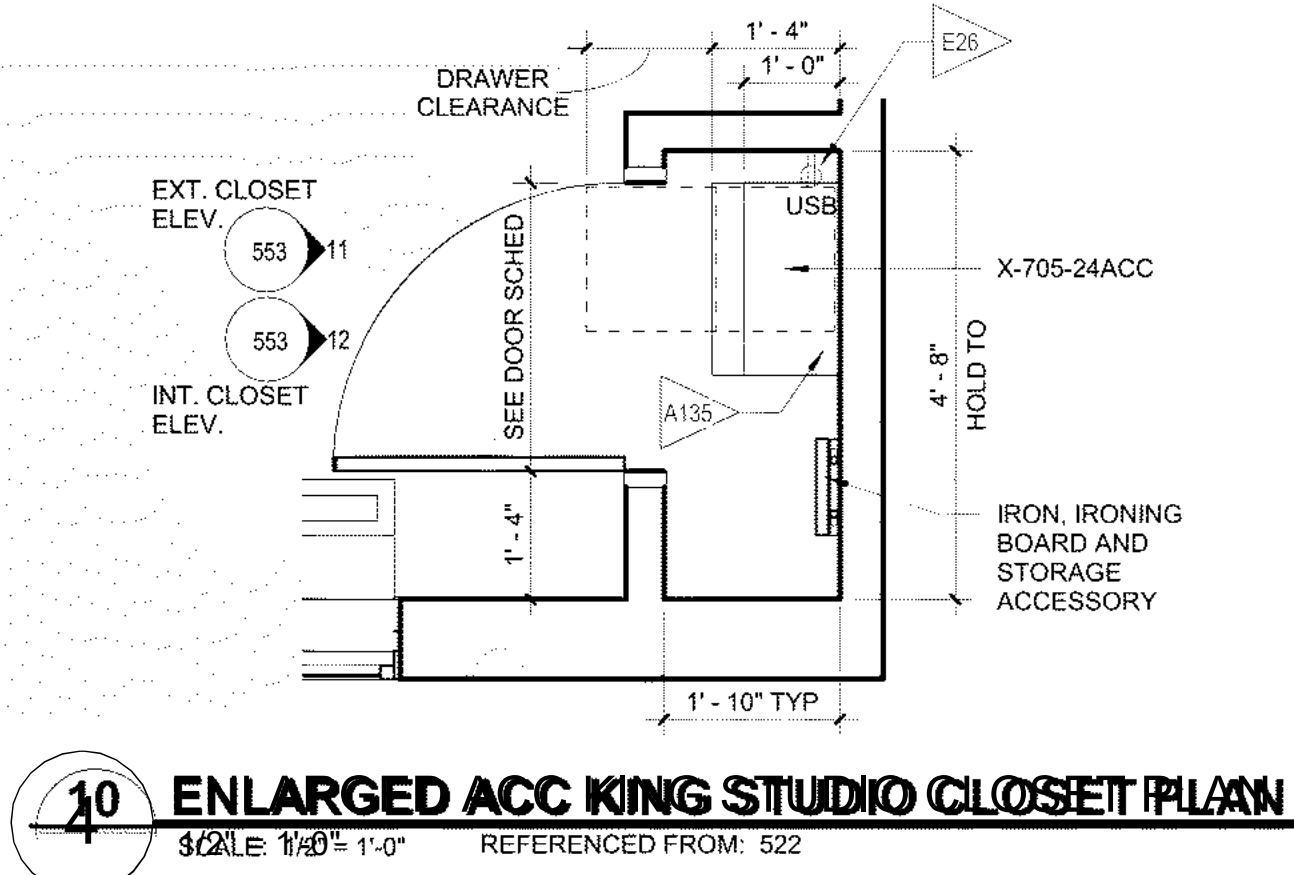
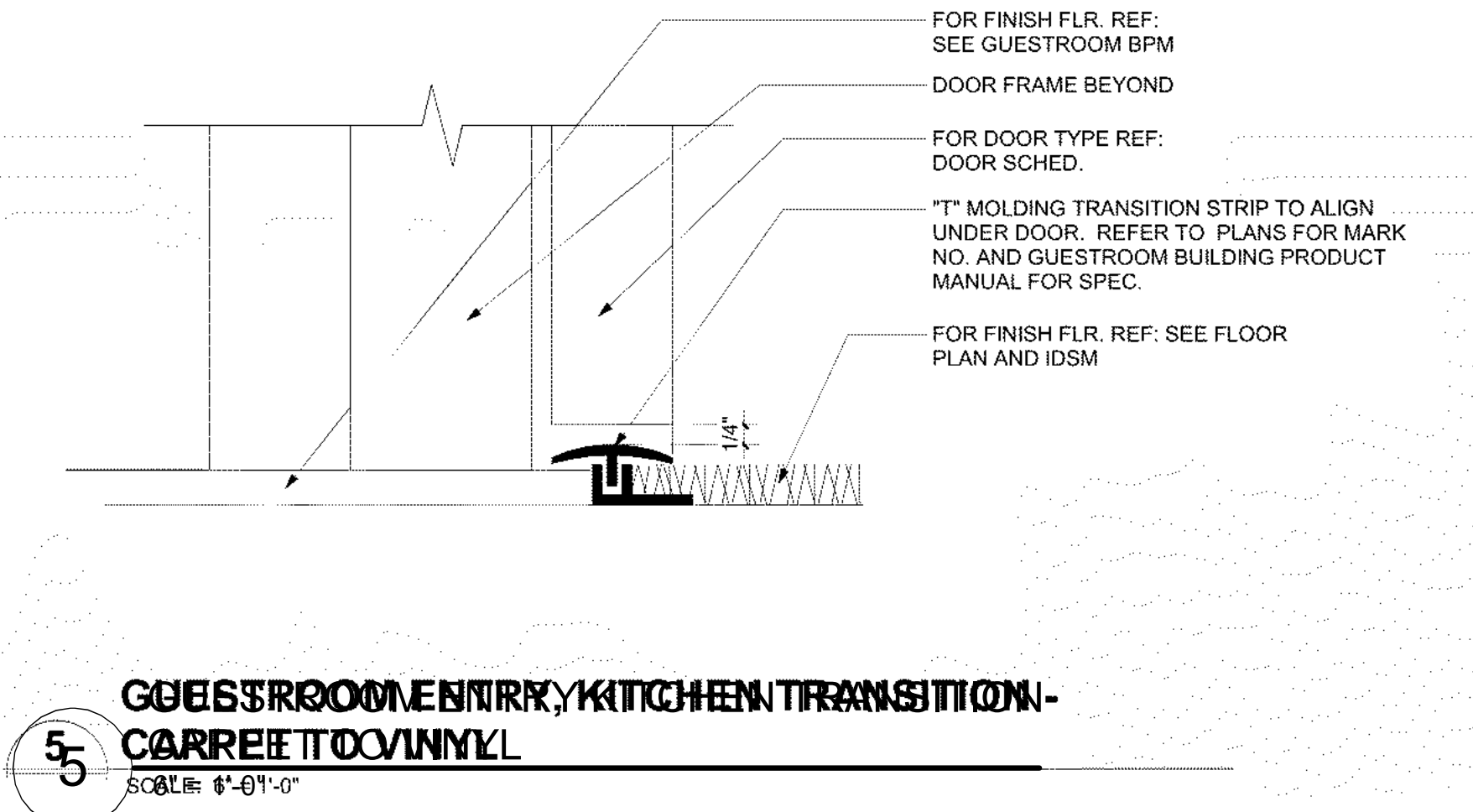
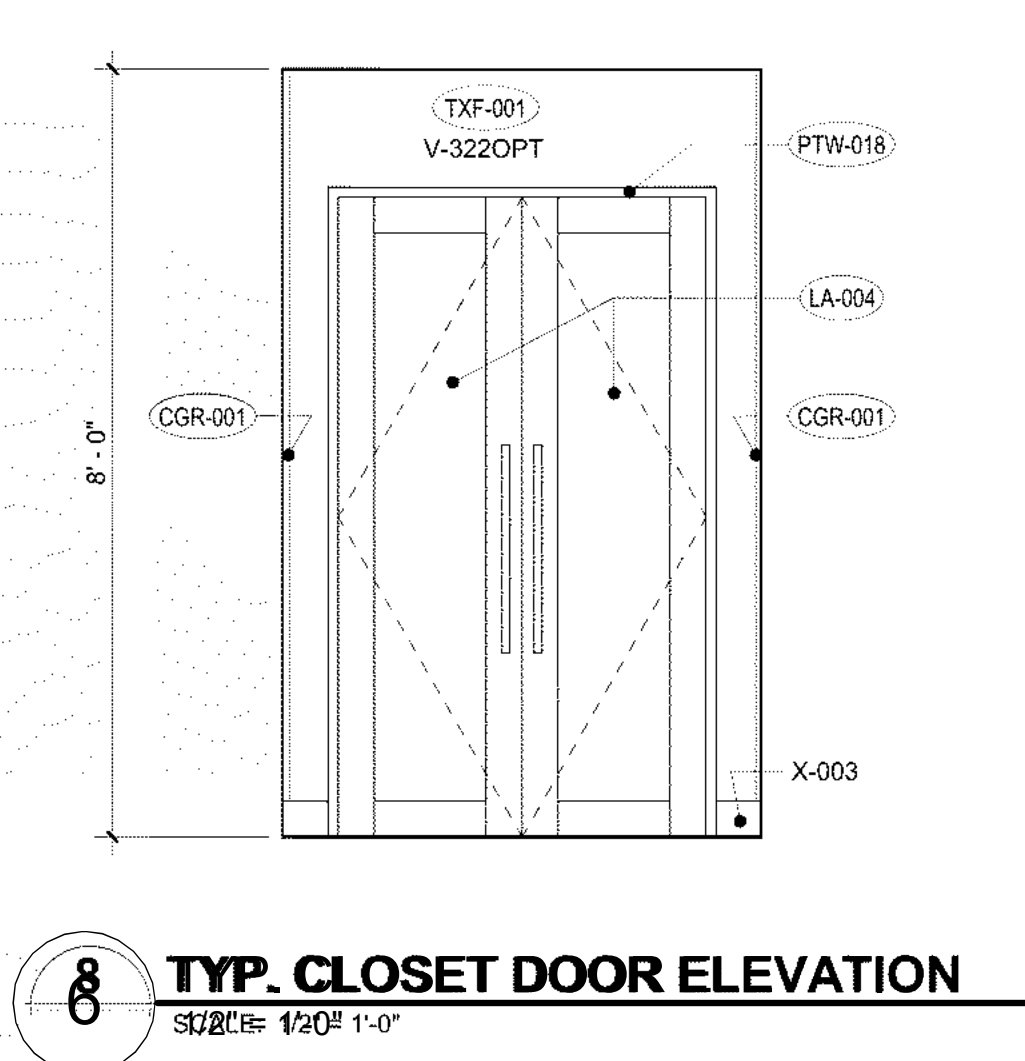
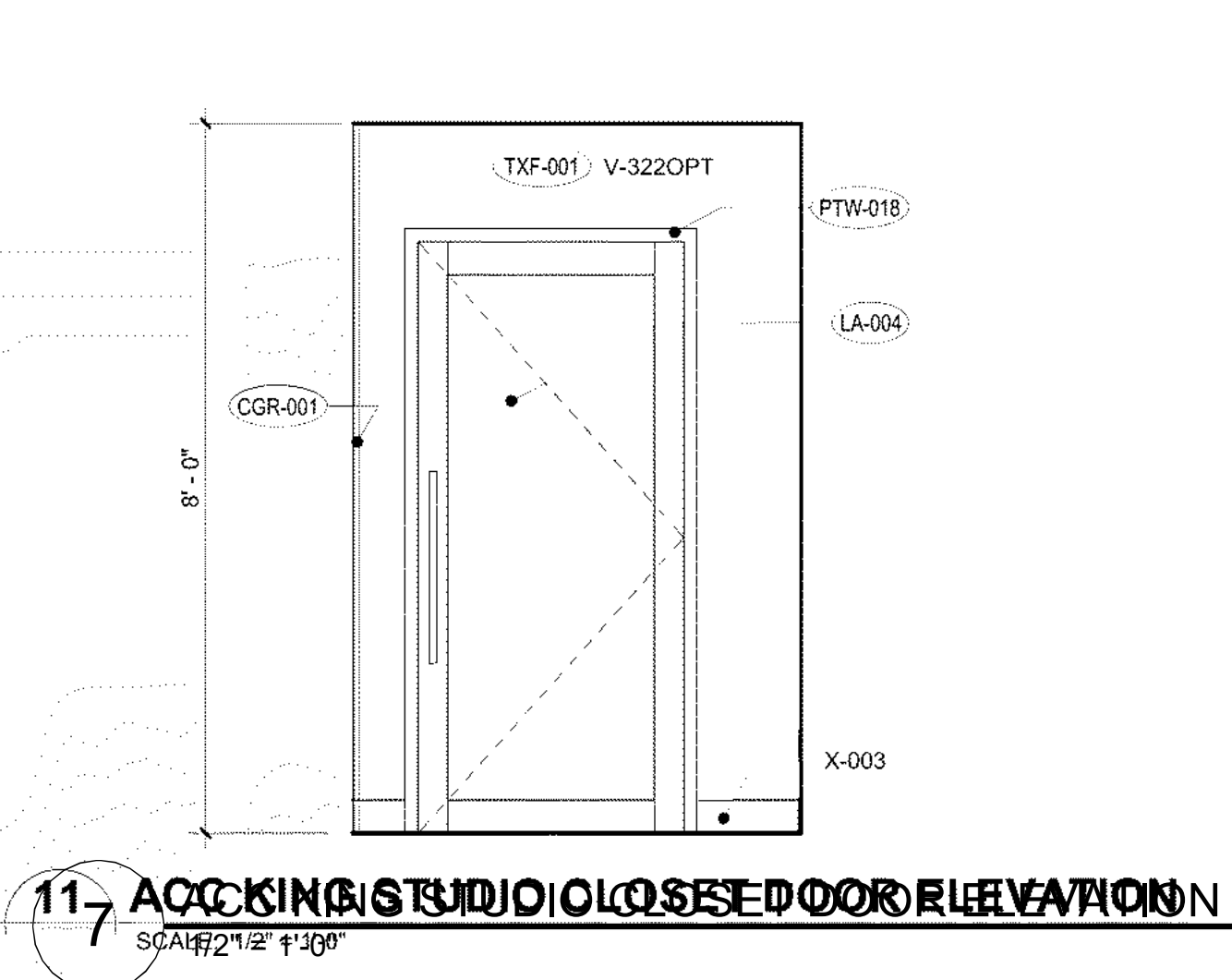
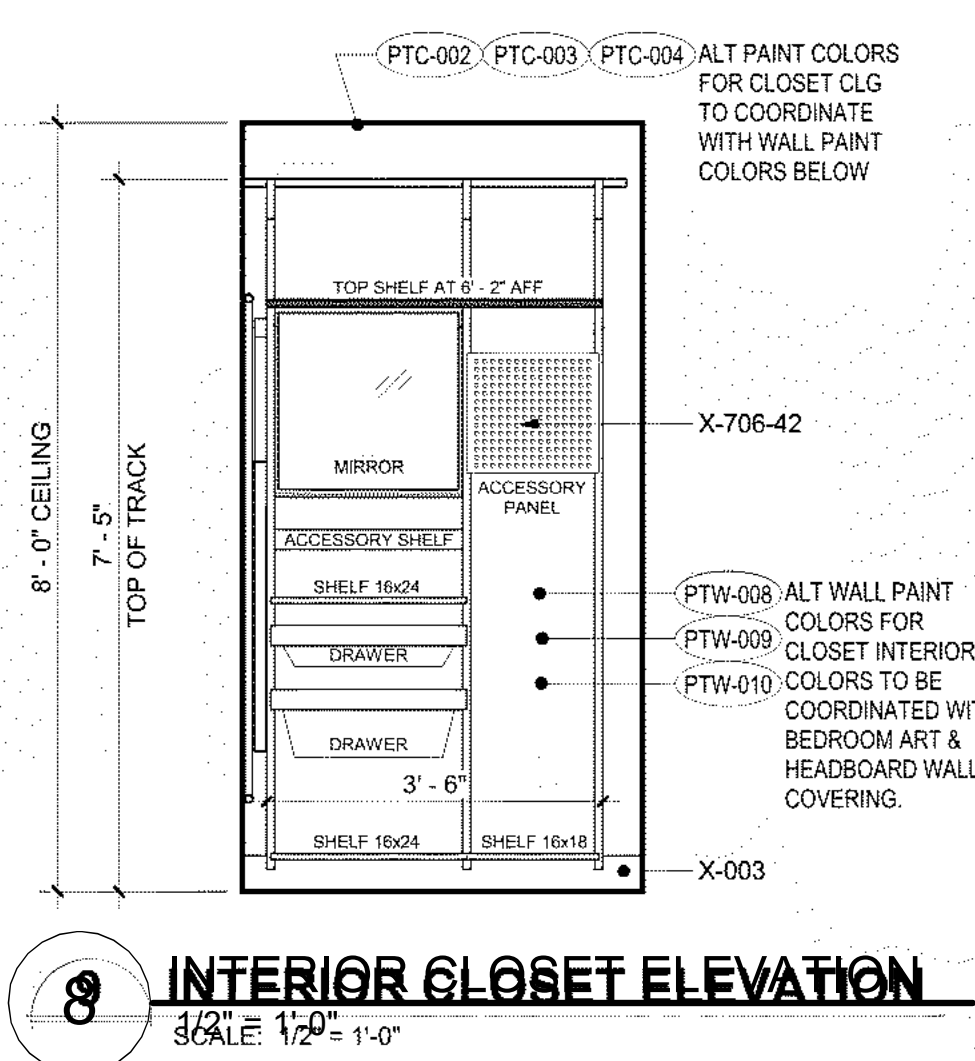
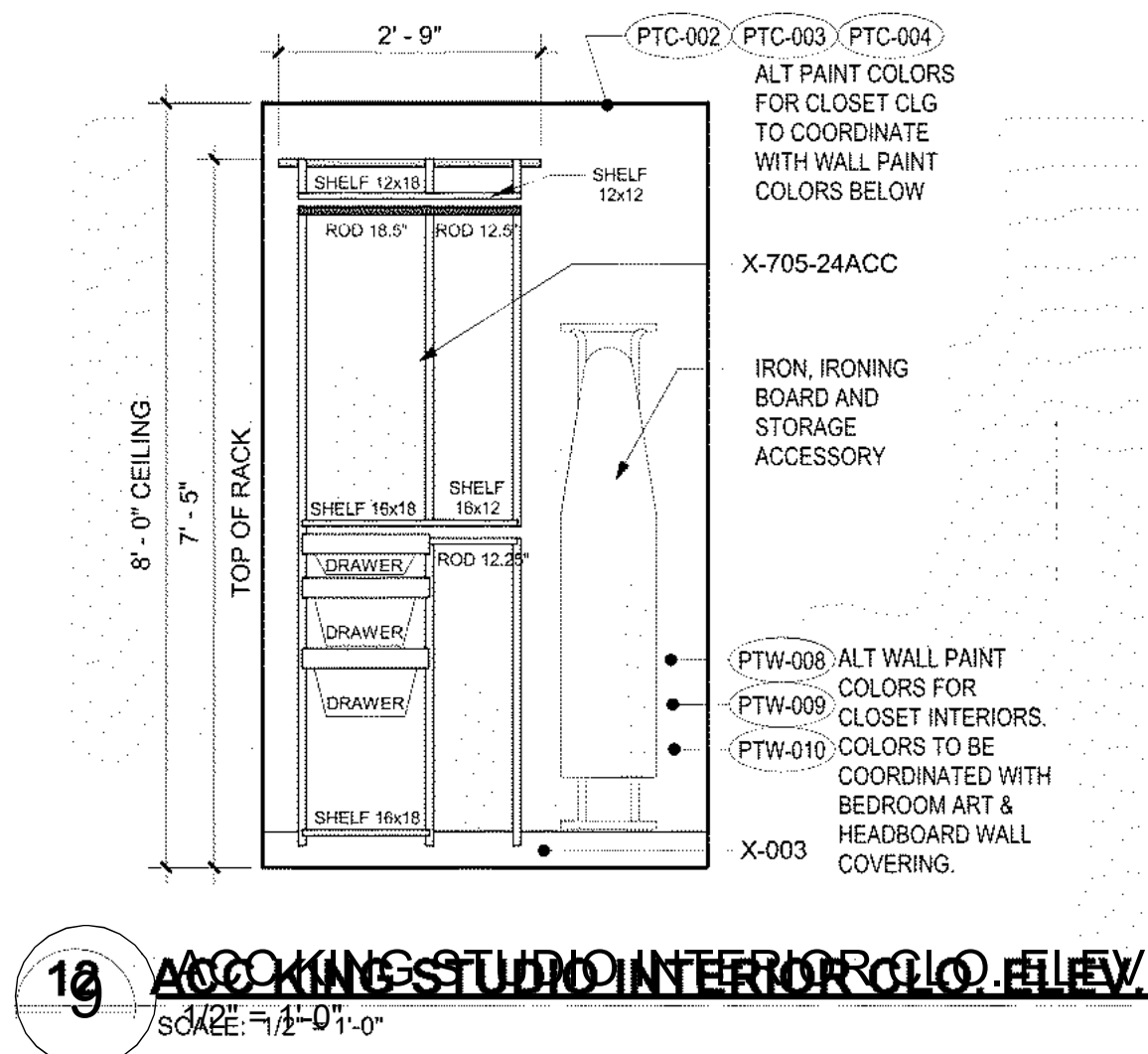
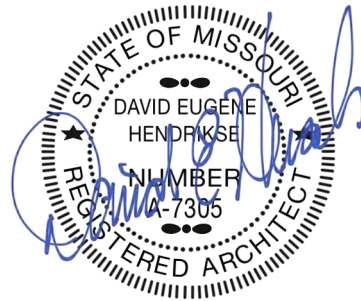
4 PARTIAL INT. ELEVATION UPPER ELEVATOR LOBBY
3/8" = 1'-0"

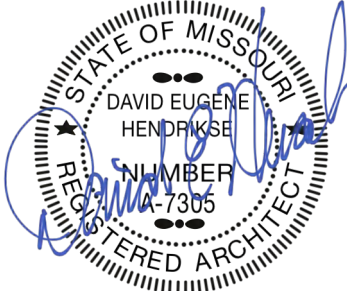


5 PARTIAL INT. ELEVATION UPPER ELEVATOR LOBBY 2
3/8" = 1'-0"



6 UPPER CORRIDOR CARPET PLAN
3/16" = 1'-0"





TOWNEPLACE SUITES

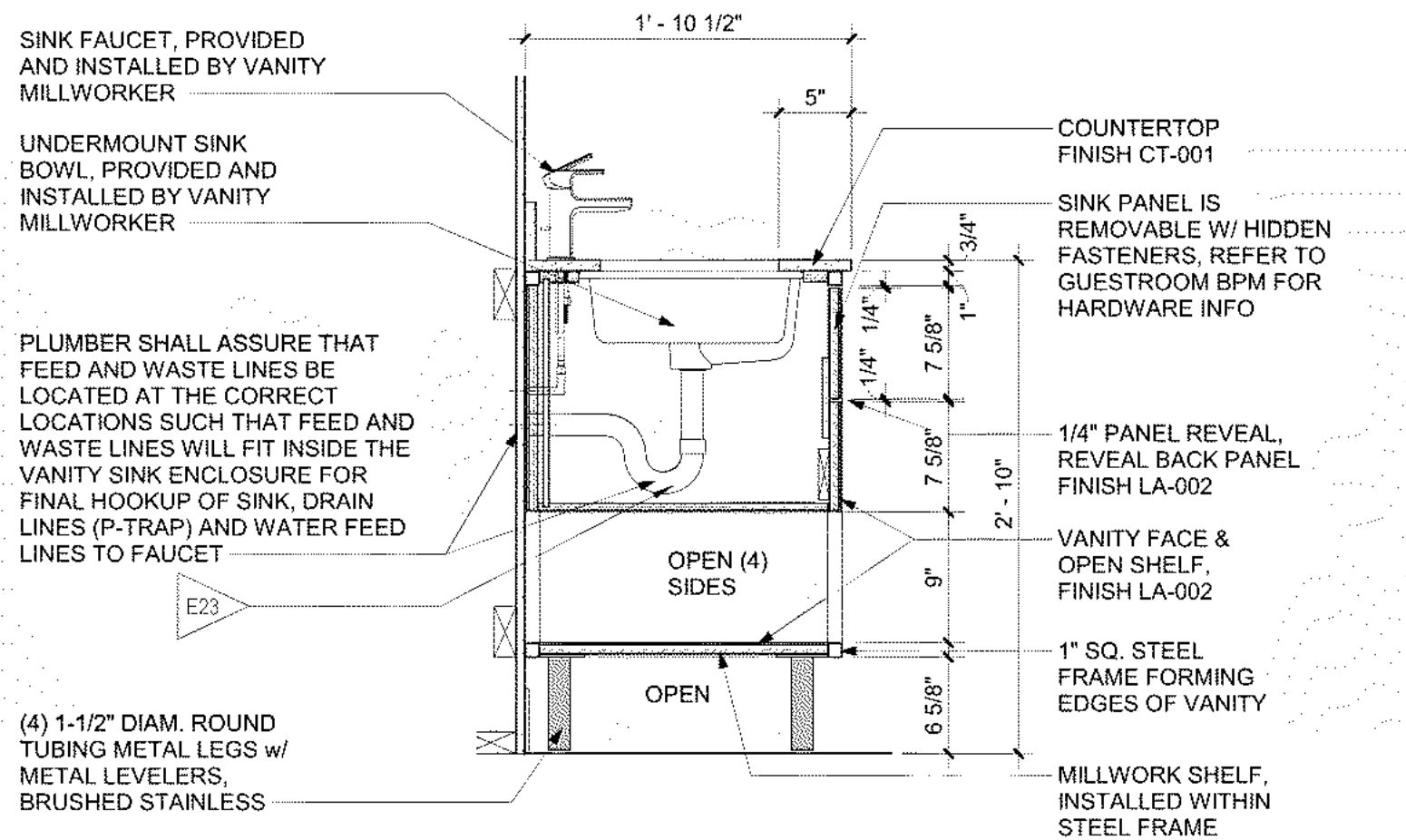
1810 NORTHEAST DOUGLAS ST.
LEE'S SUMMIT 64064 USA

SHEET TITLE
GUESTROOM BATHROOM
DETAILS

PROJECT NUMBER: 23098

SHEET NUMBER:

A-733

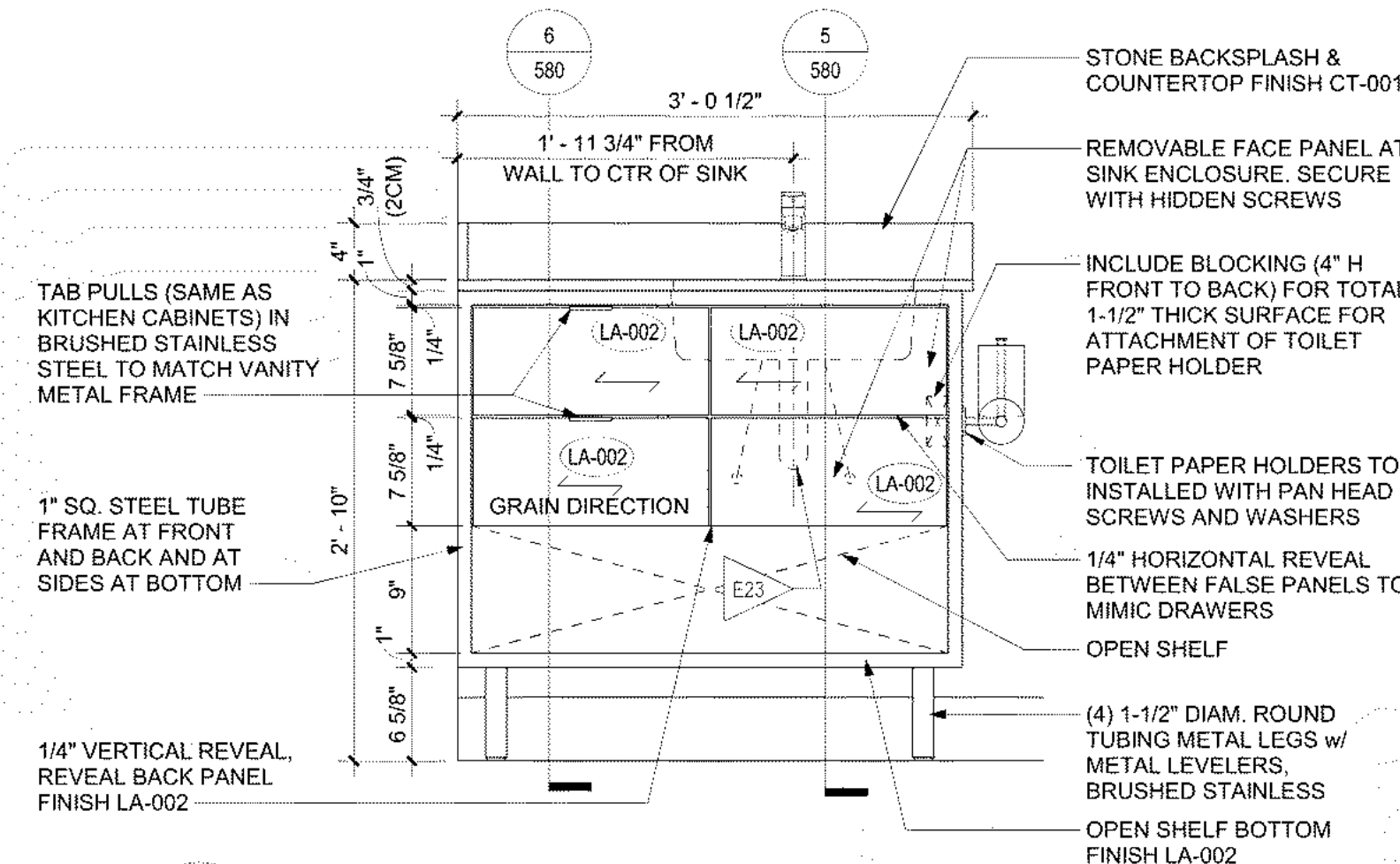


5 VANITY SECTION THRU SINK

SCALE: 1" = 1'-0" REFERENCED FROM: 580

4 VANITY SECTION THRU SINK

1" = 1'-0"

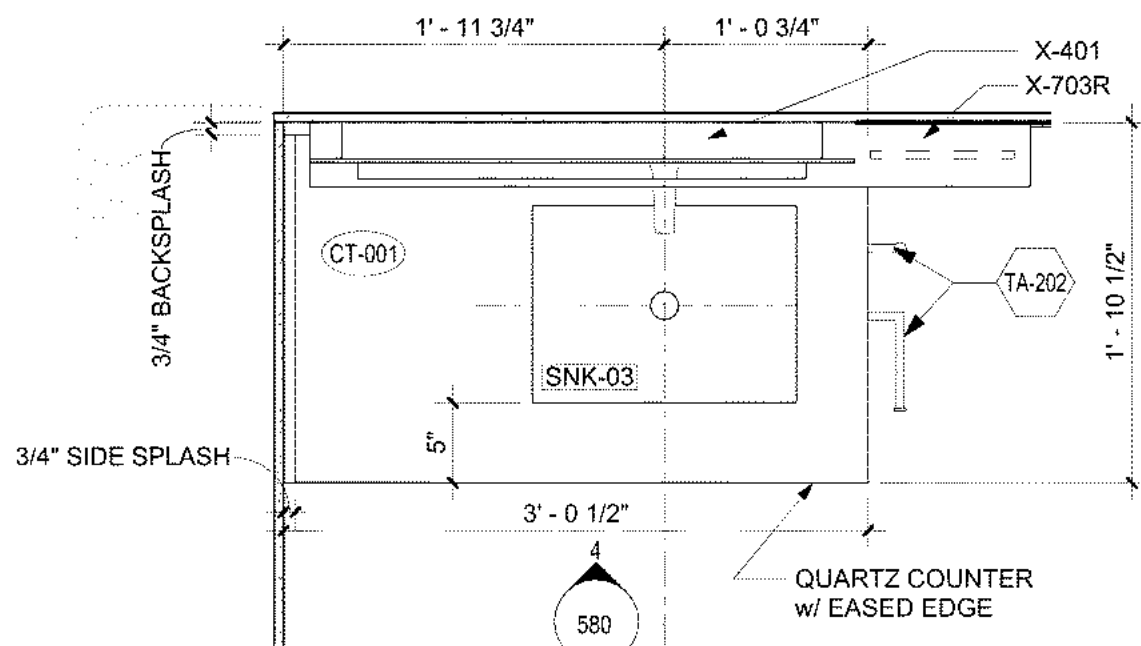


4 VANITY ELEVATION

SCALE: 1" = 1'-0" REFERENCED FROM: 580

3 VANITY ELEVATION

1" = 1'-0"

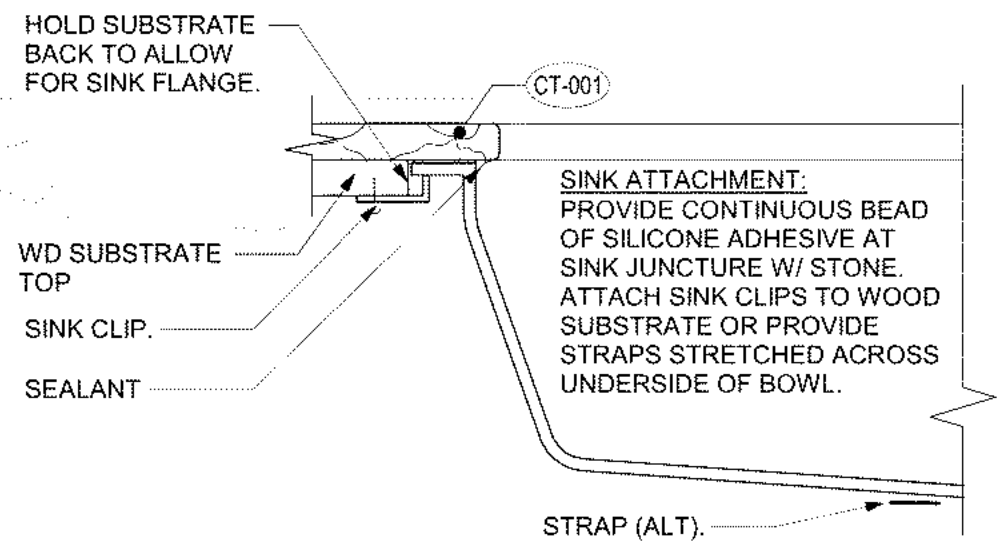


3 VANITY PLAN

SCALE: 1" = 1'-0" REFERENCED FROM: 560

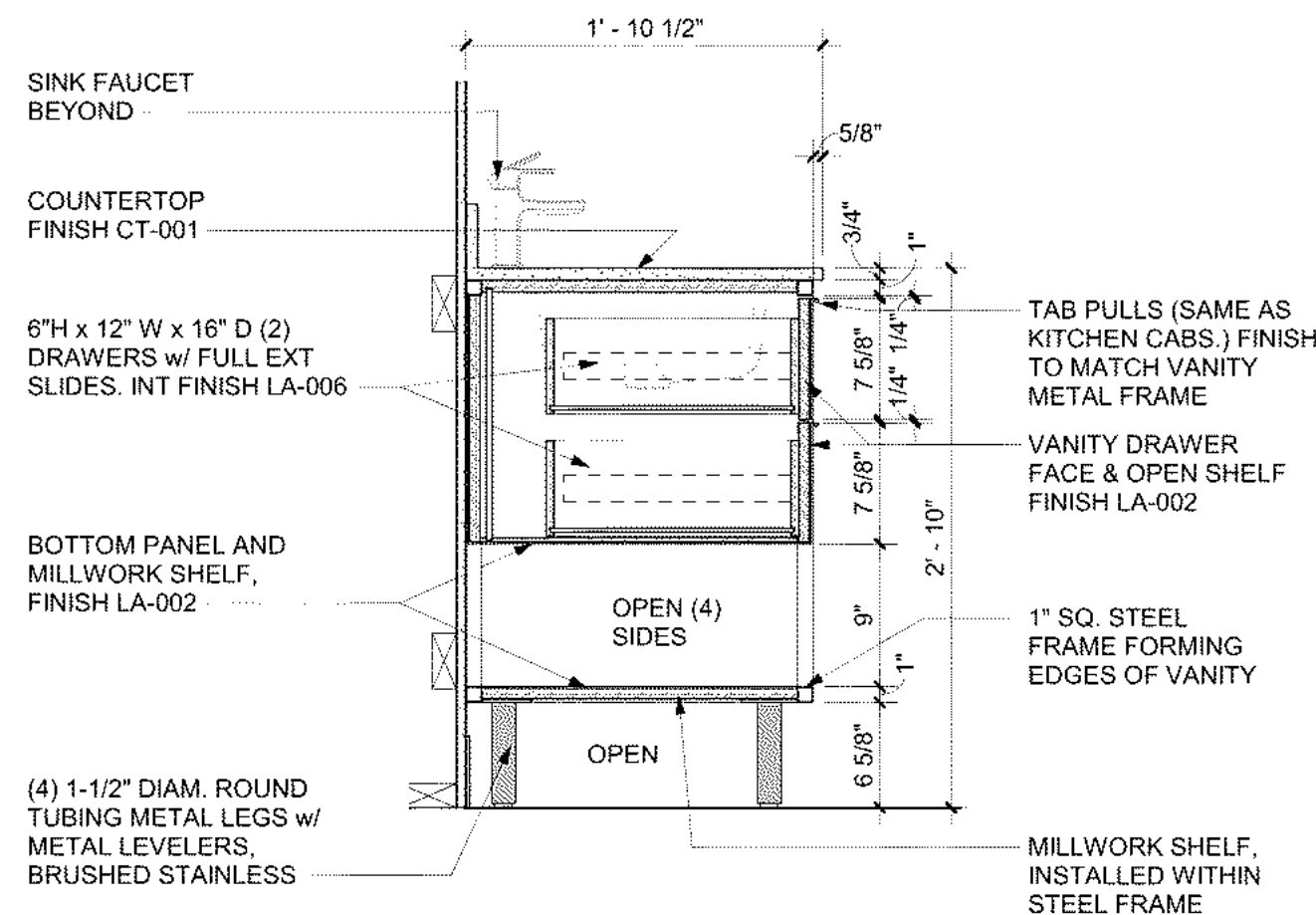
2 VANITY PLAN

1" = 1'-0"



6 SINK ATTACHMENT SECTION

3" = 1'-0"

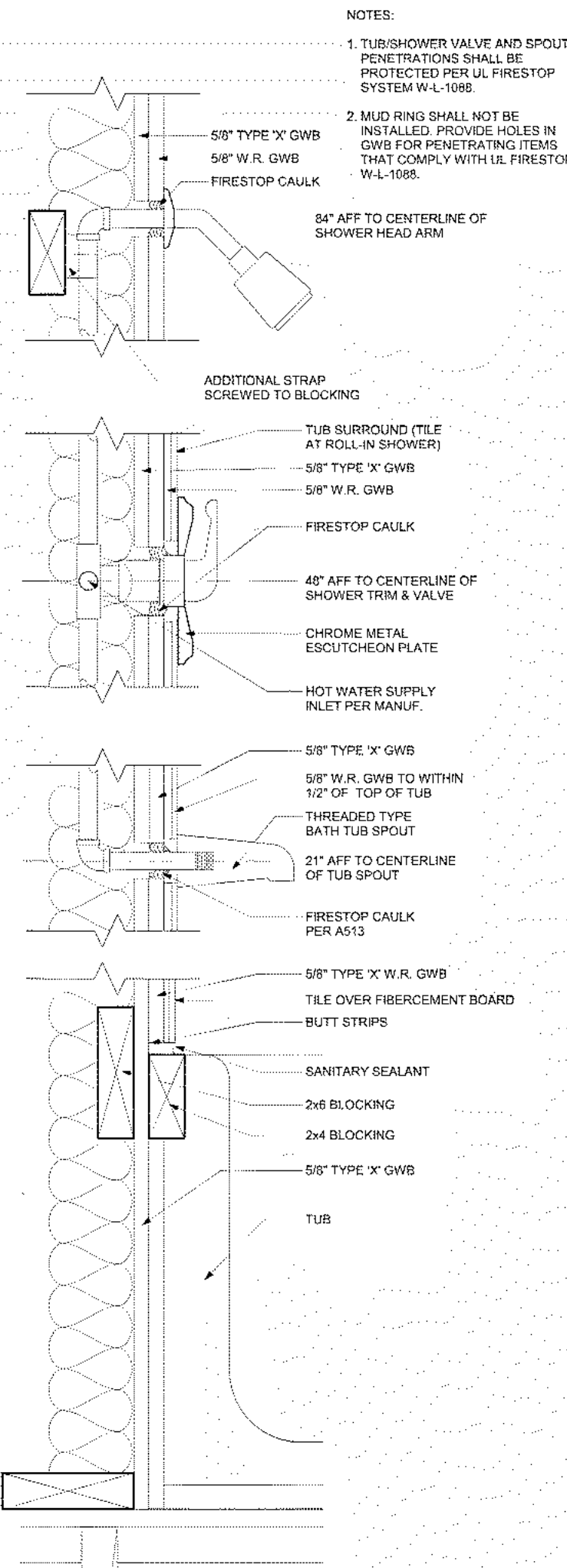


6 VANITY SECTION THRU DRAWERS

SCALE: 1" = 1'-0" REFERENCED FROM: 580

5 VANITY SECTION THRU DRAWERS

1" = 1'-0"

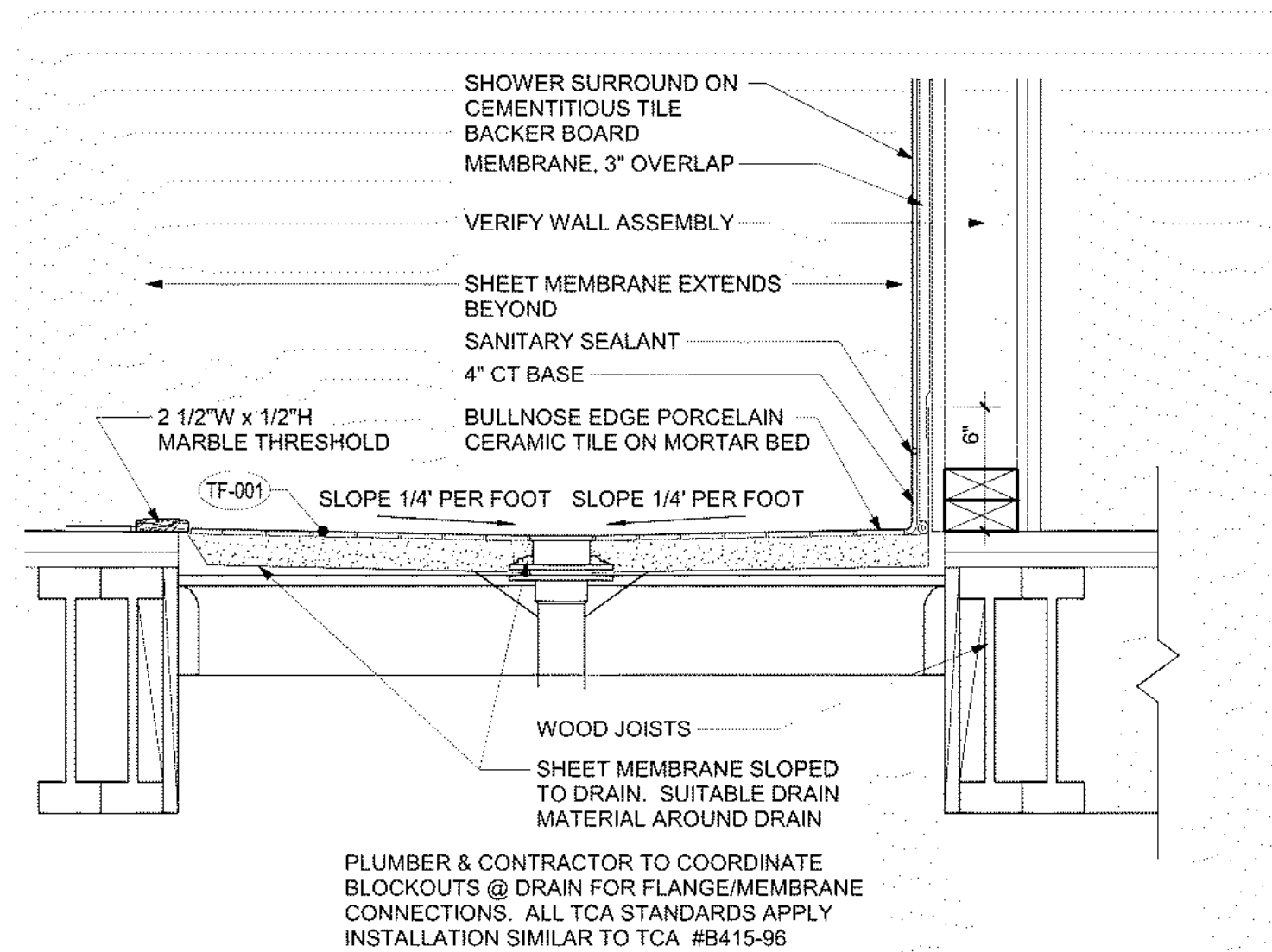
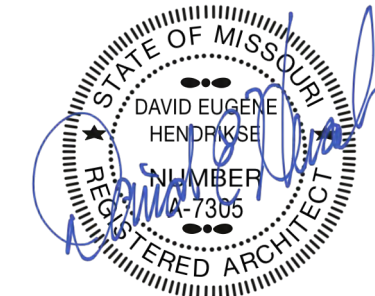


1 TUB/SHOWER @ 1-HR WALL

SCALE: 3" = 1'-0"

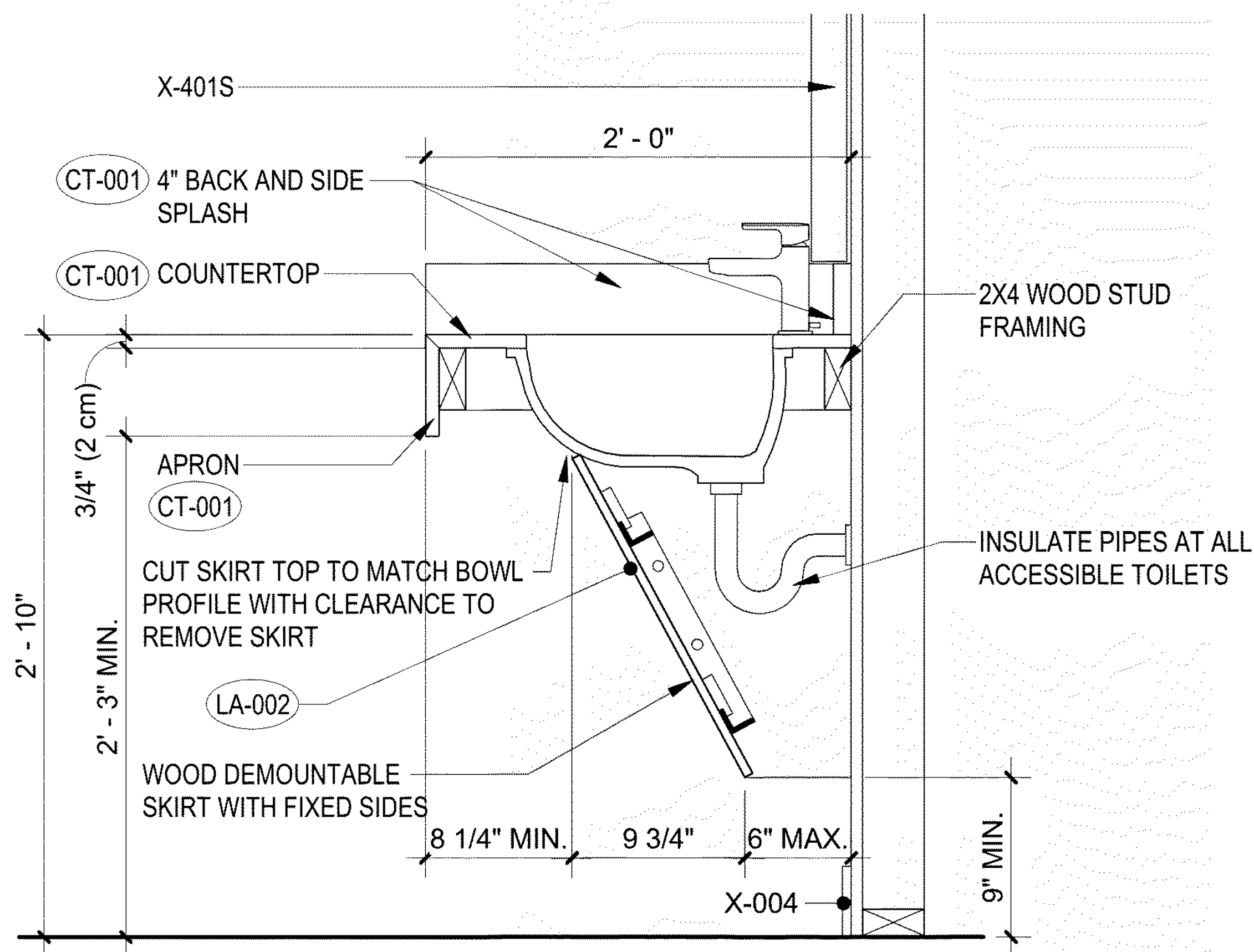
1 TUB SHOWER 1 HR WALL

3" = 1'-0"



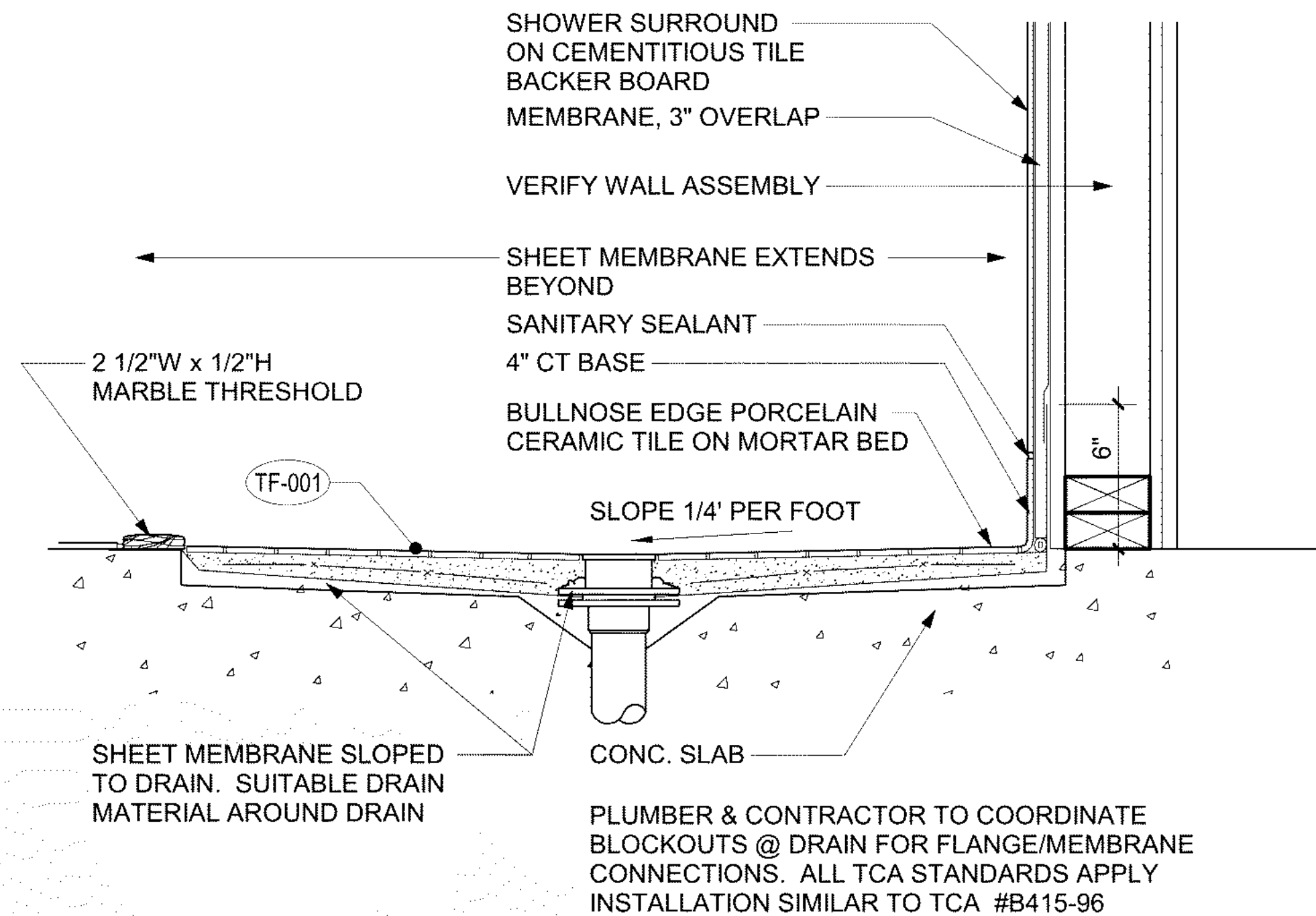
5 **OPTIONAL TILE AT ROLL-IN SHOWER IN UPPER FLOORS**
SCALE: 1 1/2" = 1'-0"

5 **OPTIONAL TILE AT ROLL-IN SHOWER IN GROUND UPPER FLOORS**
1 1/2" = 1'-0"



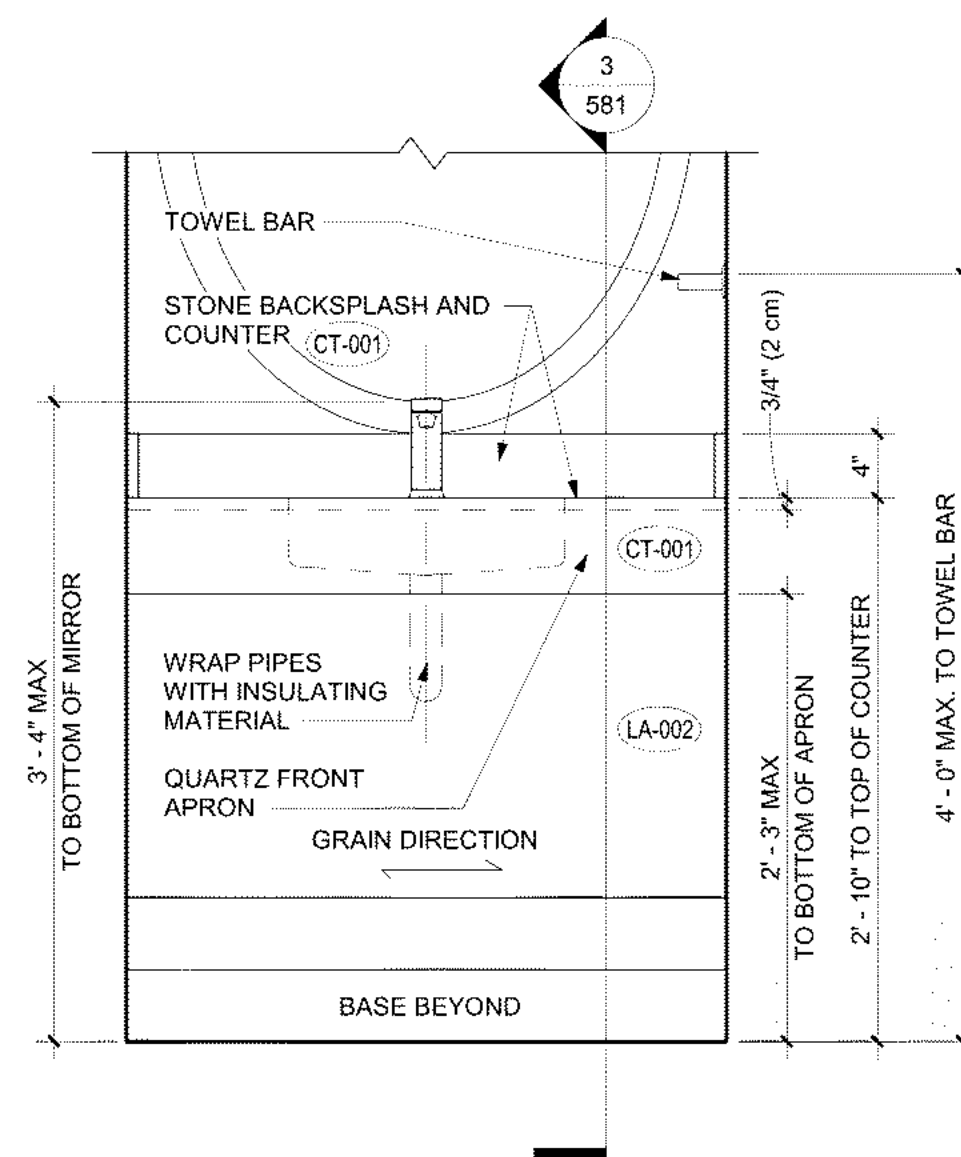
3 **ACCESSIBLE VANITY SECTION**
SCALE: 1" = 1'-0"

3 **ACCESSIBLE VANITY SECTION**
1" = 1'-0"



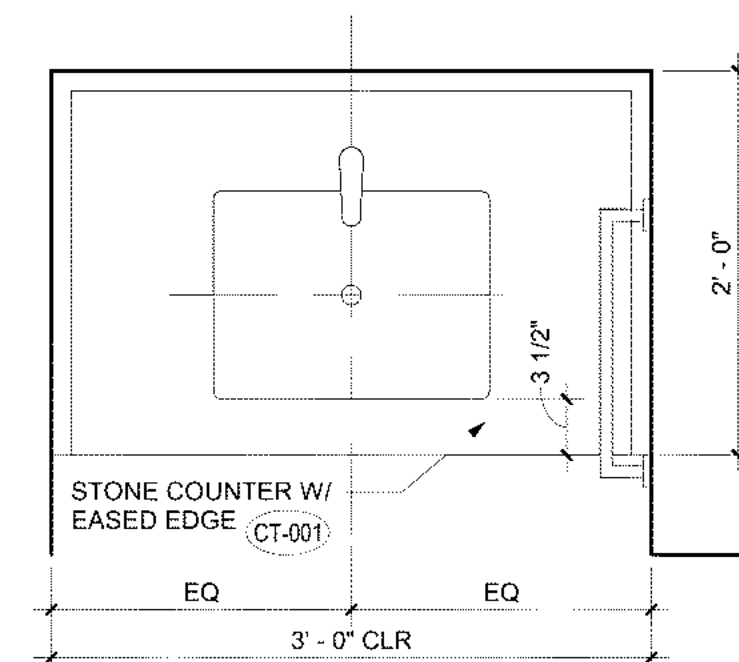
4 **OPTIONAL TILE AT ROLL-IN SHOWER IN GROUND FLOOR**
SCALE: 1 1/2" = 1'-0"

4 **OPTIONAL TILE AT ROLL-IN SHOWER IN GROUND FLOOR**
1 1/2" = 1'-0"



2 **ACCESSIBLE VANITY ELEVATION**
SCALE: 1" = 1'-0"

2 **ACCESSIBLE VANITY ELEVATION**
1" = 1'-0"



1 **ACCESSIBLE VANITY PLAN**
SCALE: 1" = 1'-0"

1 **ACCESSIBLE VANITY PLAN**
1" = 1'-0"

Mechanical - Electrical - Plumbing Design Drawings for

Towneplace Suites By Marriott

1810 Northeast Douglas St.
Lee's Summit, Missouri 64064

GENERAL MEP SPECIFICATIONS

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW AND UNDERSTAND ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENTS. EACH CONTRACTOR IS RESPONSIBLE FOR ALL WORK ASSOCIATED WITH HIS TRADE REGARDLESS OF WHERE THE WORK IS DEPICTED IN THE DRAWINGS OR SPECIFICATIONS.
- THE LAYOUT OF SYSTEMS SHOWN ON PLANS ARE APPROXIMATE AND WILL NEED TO BE COORDINATED IN FIELD. THE CONTRACTOR SHALL INCLUDE THIS COORDINATION IN HIS SCOPE AND INCLUDE ALL COSTS OF MODIFYING THE LAYOUT AS REQUIRED IN HIS BID.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY PARTS AND LABOR TO PRODUCE A COMPLETE AND FULLY OPERATIONAL SYSTEM UNLESS STATED OTHERWISE ON PLANS.
- ALL MATERIALS TO BE NEW, FIRST CLASS, AND INSTALLED PER MANUFACTURE'S PUBLISHED INSTRUCTIONS.
- ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH LOCALLY ADOPTED CODES AND ORDINANCES.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING EQUIPMENT LOCATIONS AND SYSTEM ROUTING WITH OTHER TRADES PRIOR TO INSTALLATION.
- CONTRACTOR TO GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE THE PROJECT IS TURN OVER TO THE OWNER, UNLESS NOTED OTHERWISE.
- CONTRACTOR IS TO INCLUDE IN THEIR SCOPE THE COST OF ALL PERMITS, INSPECTIONS, METERING, AND TAPS ASSOCIATED WITH THEIR WORK.
- CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION, CUTTING, CORING, PATCHING, AND BACKFILL REQUIRED TO COMPLETE THEIR WORK, UNLESS NOTED OTHERWISE.
- THESE PLANS ARE NOT TO BE SCALED. SEE ARCHITECTURAL PLANS FOR DIMENSIONS. WHERE THERE IS A CONFLICT BETWEEN ARCHITECTURAL DIMENSIONS AND MEP DIMENSION, ARCHITECTURAL SHALL GOVERN.
- SEE DISCIPLINE SHEETS FOR ADDITIONAL DISCIPLINE SPECIFIC SPECIFICATIONS.

DEFERRED SUBMITTAL NOTES

- FIRE ALARM CONTRACTOR TO PROVIDE DEFERRED SUBMITTAL FOR FIRE ALARM SYSTEM. SUBMITTAL TO INCLUDE BATTERY CALCULATION, VOLTAGE DROP CALCULATIONS, AND DEVICE CUT SHEETS FOR DEVICES AND PANELS.
- FIRE SPRINKLER CONTRACTOR TO PROVIDE DEFERRED SUBMITTAL FOR FIRE SPRINKLER SYSTEM. SUBMITTAL TO INCLUDE HYDRAULIC CALCULATIONS AND SPRINKLER DRAWINGS SEALED BY A QUALIFIED DESIGN PROFESSIONAL LICENSED BY THE STATE.

FIRE RATED PENETRATION NOTES

- THIS BUILDING CONTAINS FIRE RATED ASSEMBLIES. SEE ARCHITECTURAL PLANS FOR LOCATIONS.
- A UL LISTED FIRESTOP SYSTEM SHALL BE INSTALLED AT EACH PENETRATION OF A HORIZONTAL OR VERTICAL RATED ASSEMBLY IN ACCORDANCE WITH ASTM E814 OR UL 1479.
- EACH CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROTECTION FOR HIS PENETRATIONS THRU RATED ASSEMBLIES.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING A CATALOG OF ALL UL LISTED FIRESTOP ASSEMBLIES

MEP COMMISSIONING REQUIREMENTS

- THIS BUILDING REQUIRES COMMISSIONING PER BRAND REQUIREMENTS.
- SYSTEMS REQUIRING COMMISSIONING INCLUDE DOAS UNITS, SPLIT SYSTEMS, WATER HEATING EQUIPMENT, LIGHTING CONTROLS, AND BUILDING AUTOMATION SYSTEM. SEE PLANS FOR DETAILS.

REFERENCED CODES IN EFFECT

2018 INTERNATIONAL MECHANICAL CODE

2018 INTERNATIONAL PLUMBING CODE

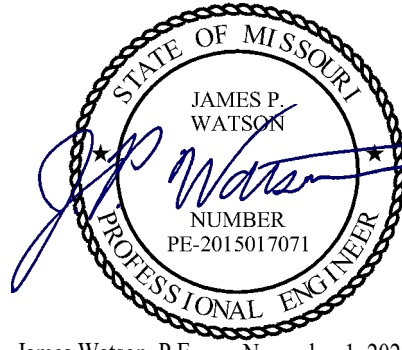
2018 INTERNATIONAL FUEL GAS CODE

2018 INTERNATIONAL FIRE CODE

2017 NATIONAL ELECTRIC CODE

SHEET INDEX

SHEET #	SHEET TITLE
MEP1	MECHANICAL ELECTRICAL PLUMBING COVER SHEET
MEP2	SITE UTILITIES PLAN
MEP3	SITE LIGHTING PLAN
MEP4	MEP PLAN - ROOF
M101	HVAC PLAN - 1ST FLOOR - AREA A
M102	HVAC PLAN - 2ND-4TH FLOORS - AREA A
M111	HVAC PLAN - 1ST FLOOR - AREA B
M112	HVAC PLAN - 2ND-4TH FLOORS - AREA B
M501	HVAC DETAILS
M601	HVAC SCHEDULES
M602	HVAC SCHEDULES
EP101	POWER PLAN - 1ST FLOOR - AREA A
EP102	POWER PLAN - 2ND-4TH FLOORS - AREA A
EP111	POWER PLAN - 1ST FLOOR - AREA B
EP112	POWER PLAN - 2ND-4TH FLOORS - AREA B
EP401	POWER PLAN - GUEST ROOMS
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EL102	LITHTING PLAN - 2ND & 3RD FLOOR - AREA A
EL103	LIGHTING PLAN - 4TH FLOOR - AREA A
EL111	LIGHTING PLAN - 1ST FLOOR - AREA B
EL112	LIGHTING PLAN - 2ND & 3RD FLOOR - AREA B
EL113	LIGHTING PLAN - 4TH FLOOR - AREA B
EL401	LIGHTING PLAN - GUEST ROOMS
FS101	FIRE PROTECTION & SECURTY SYSTEM PLAN - 1ST FLOOR - AREA A
FS102	FIRE PROTECTION & SECURITY SYSTEM PLAN - 2ND-4TH FLOORS - AREA A
FS111	FIRE PROTECTION & SECURITY SYSTEM PLAN - 1ST FLOOR - AREA B
FS112	FIRE PROTECTION & SECURITY SYSTEM PLAN - 2ND-4TH FLOORS - AREA B
E501	ELECTRICAL DETAILS
E601	ELECTRICAL SCHEDULES
E602	ELECTRICAL SCHEDULES
E603	ELECTRICAL SCHEDULES
E604	ELECTRCIAL SCHEDULES
PS101	SANITARY SEWER PLAN - 1ST FLOOR - AREA A
PS102	SANITARY SEWER PLAN - 2ND FLOOR - AREA A
PS111	SANITARY SEWER PLAN - 1ST FLOOR - AREA B
PS112	SANITARY SEWER PLAN - 2ND FLOOR - AREA B
PS401	SANITARY SEWER PLAN - GUEST ROOMS
PW101	WATER & GAS PLAN - 1ST FLOOR - AREA A
PW102	WATER & GAS PLAN - 2ND FLOOR - AREA A
PW111	WATER & GAS PLAN - 1ST FLOOR - AREA B
PW112	WATER & GAS PLAN - 2ND FLOOR - AREA B
PW401	WATER PLAN - GUEST ROOMS
P501	PLUMBING DETAILS & SCHEDULES



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J2 PROJECT No:	J21006
J2 DESIGN:	ACW

ISSUE TITLE	DATE
CITY SUBMISSION	11 / 01 / 2023

Mechanical - Electrical - Plumbing Design Drawings for

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Lee's Summit, Missouri 64064

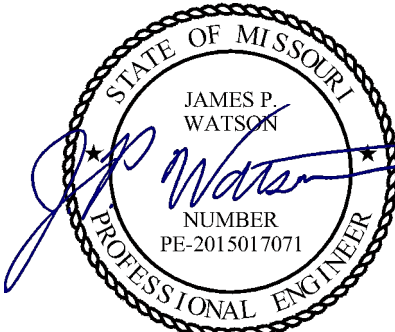
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SHEET TITLE

MECHANICAL
ELECTRICAL
PLUMBING
COVER SHEET

SHEET NUMBER

MEP1



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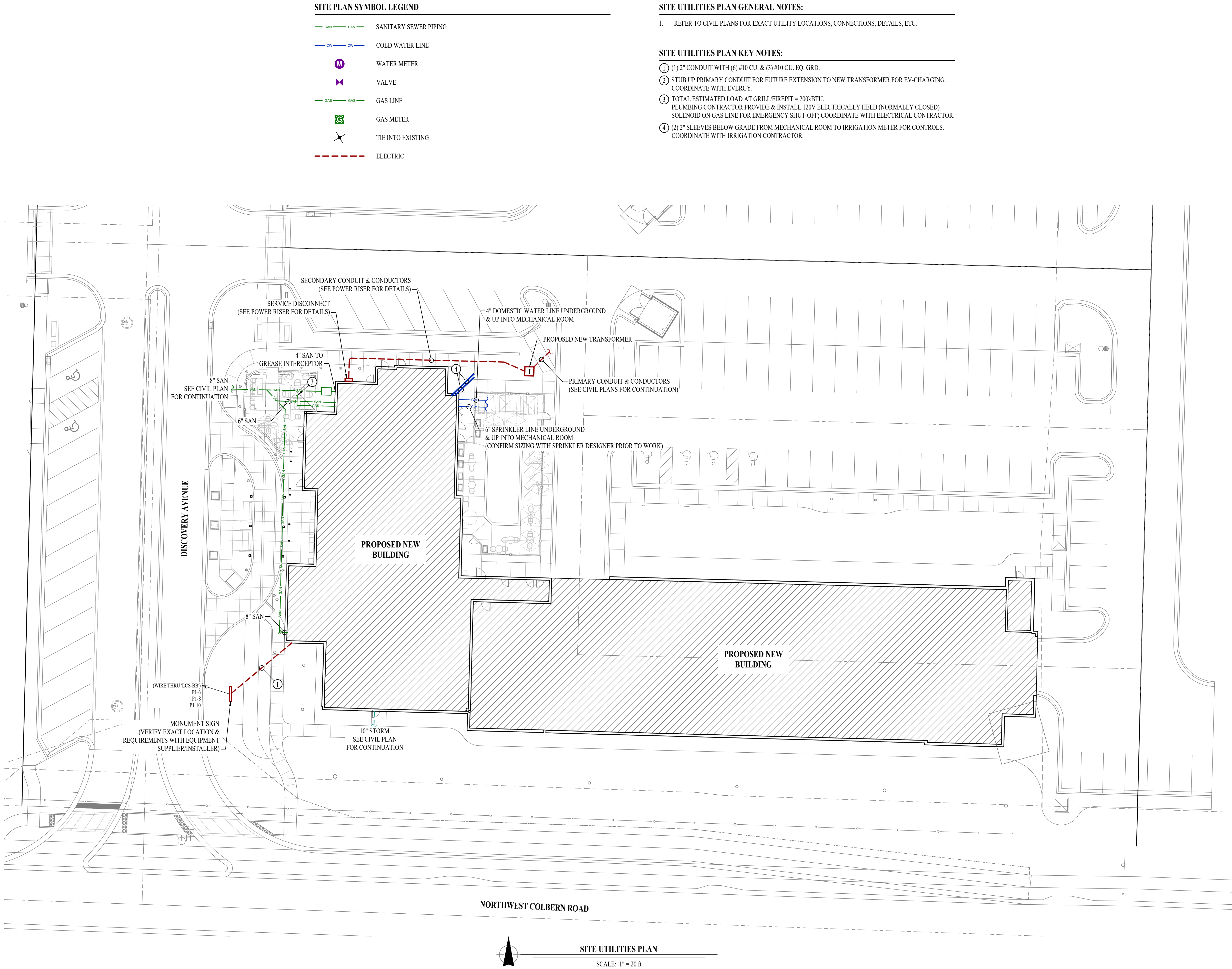
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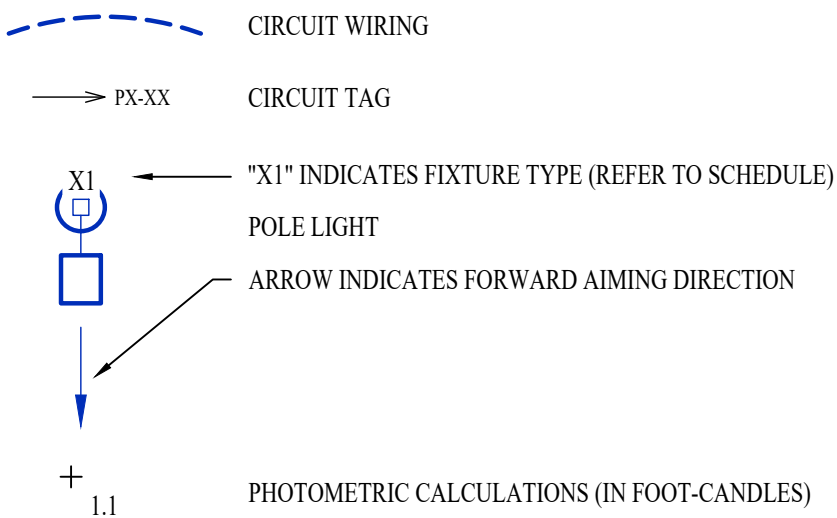
**SITE UTILITIES
PLAN**

SHEET NUMBER

MEP2



SITE LIGHTING PLAN SYMBOL LEGEND



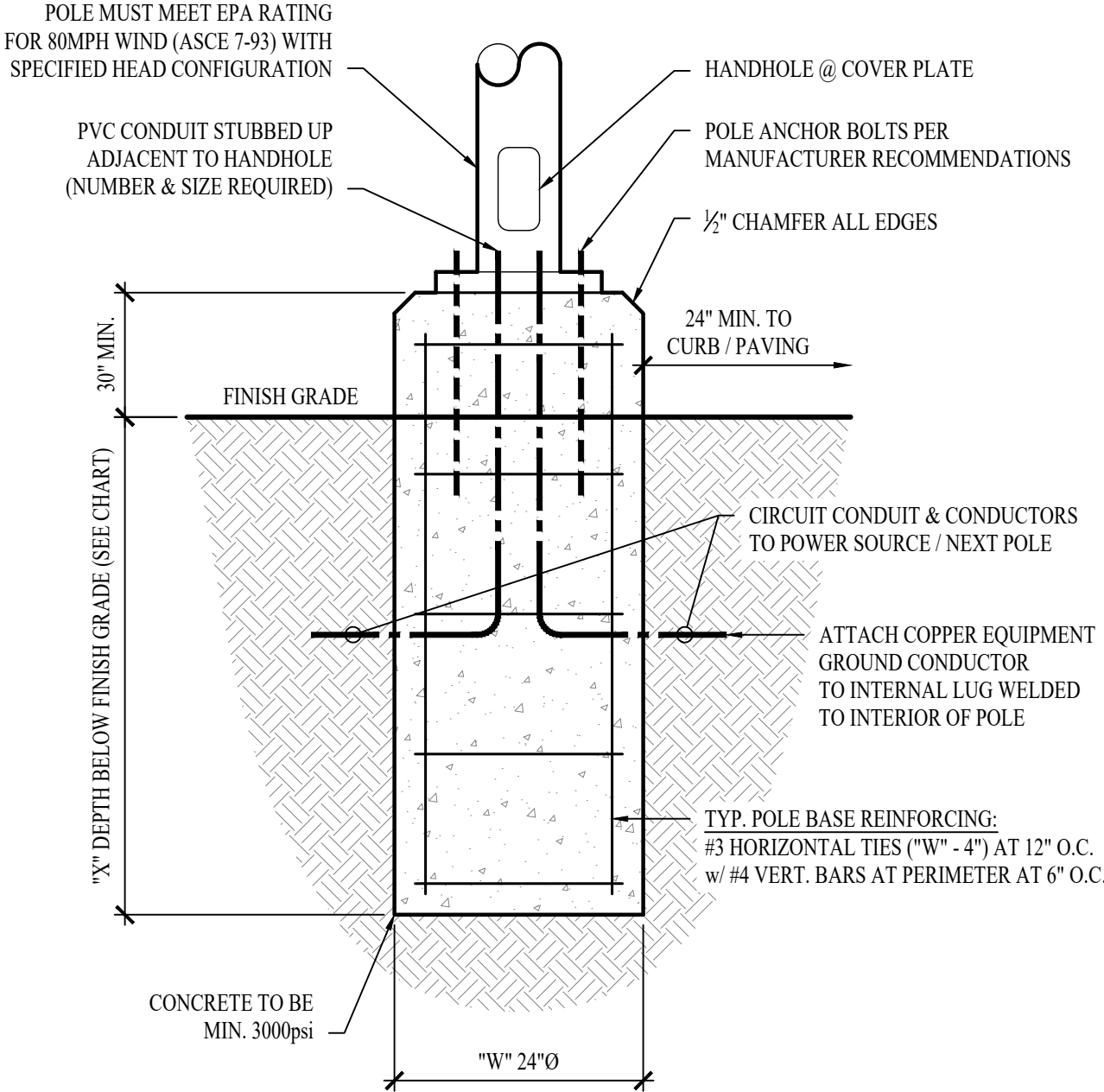
LIGHTING PLAN GENERAL NOTES:

- SITE PHOTOMETRIC VALUES SHOWN HAVE BEEN CALCULATED PER SPECIFIED LIGHT FIXTURES AT INDICATED MOUNTING HEIGHTS. ANY CHANGES OR ALTERATIONS TO LIGHTING LAYOUT SHOWN WILL REQUIRE RECALCULATING SITE PHOTOMETRICS AND WILL THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR / EQUIPMENT SUPPLIER.
- PHOTOMETRIC CALCULATIONS SHOWN DO NOT INCLUDE EXISTING LIGHT FIXTURE(S), ONLY NEW POLE LIGHT FIXTURE(S) SHOWN.
- SEE SHEET EL101 & EL111 FOR BUILDING MOUNTED EXTERIOR LIGHT FIXTURE CIRCUITING AND ADDITIONAL DETAILS.

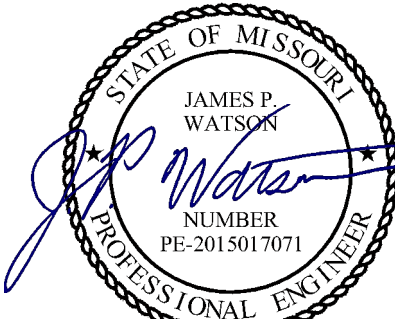
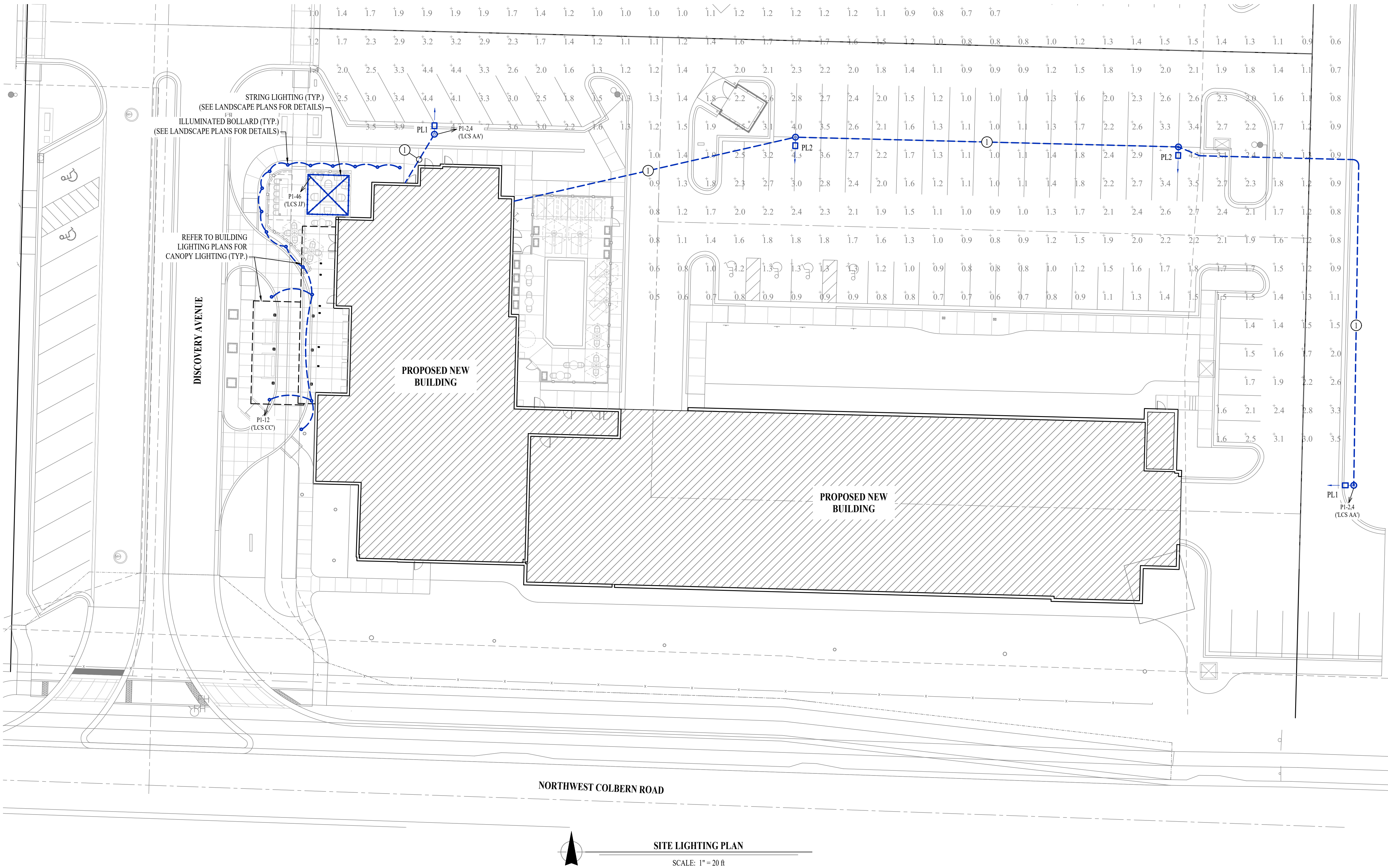
SITE LIGHTING PLAN KEY NOTES:

- ① 1" CONDUIT WITH (2) #10 CU. & (1) #10 CU. EQ. GRD.

POLE HEIGHT	"X" DEPTH
10ft - 14ft	4'-6"
15ft - 20ft	6'-0"
21ft - 25ft	7'-0"
26ft - 30ft	8'-0"



TYP. LIGHT POLE DETAIL - 1



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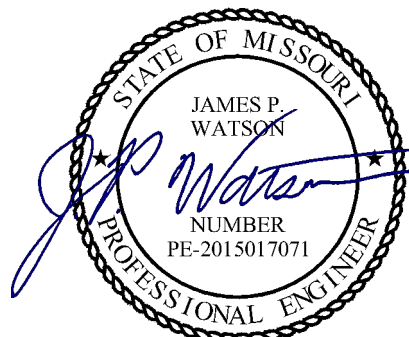
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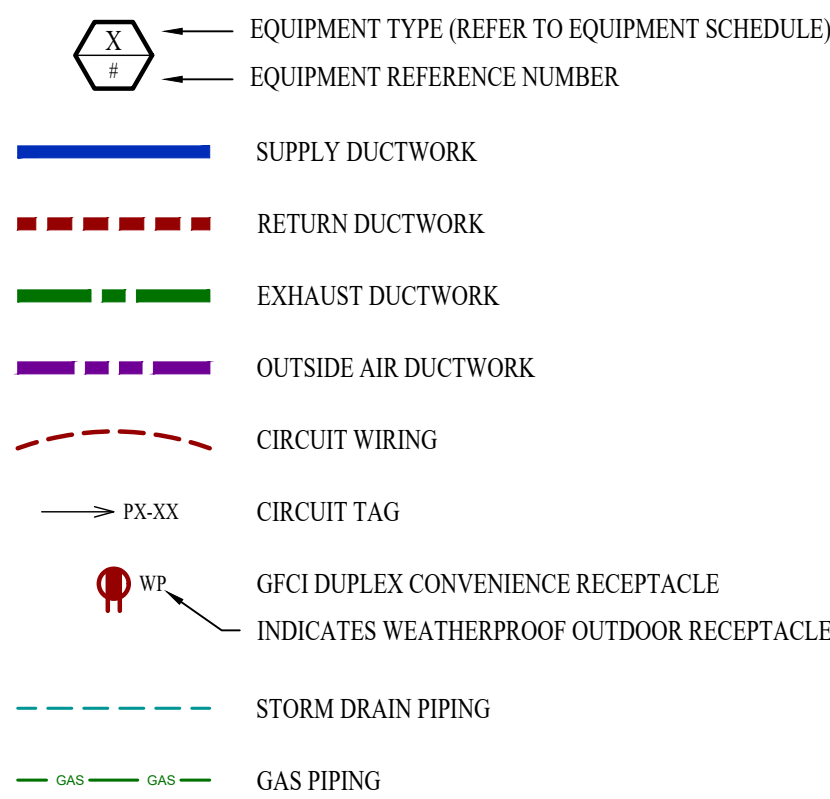
SHEET TITLE

MEP PLAN -
ROOF

SHEET NUMBER

MEP4

ROOF MEP PLAN SYMBOL LEGEND

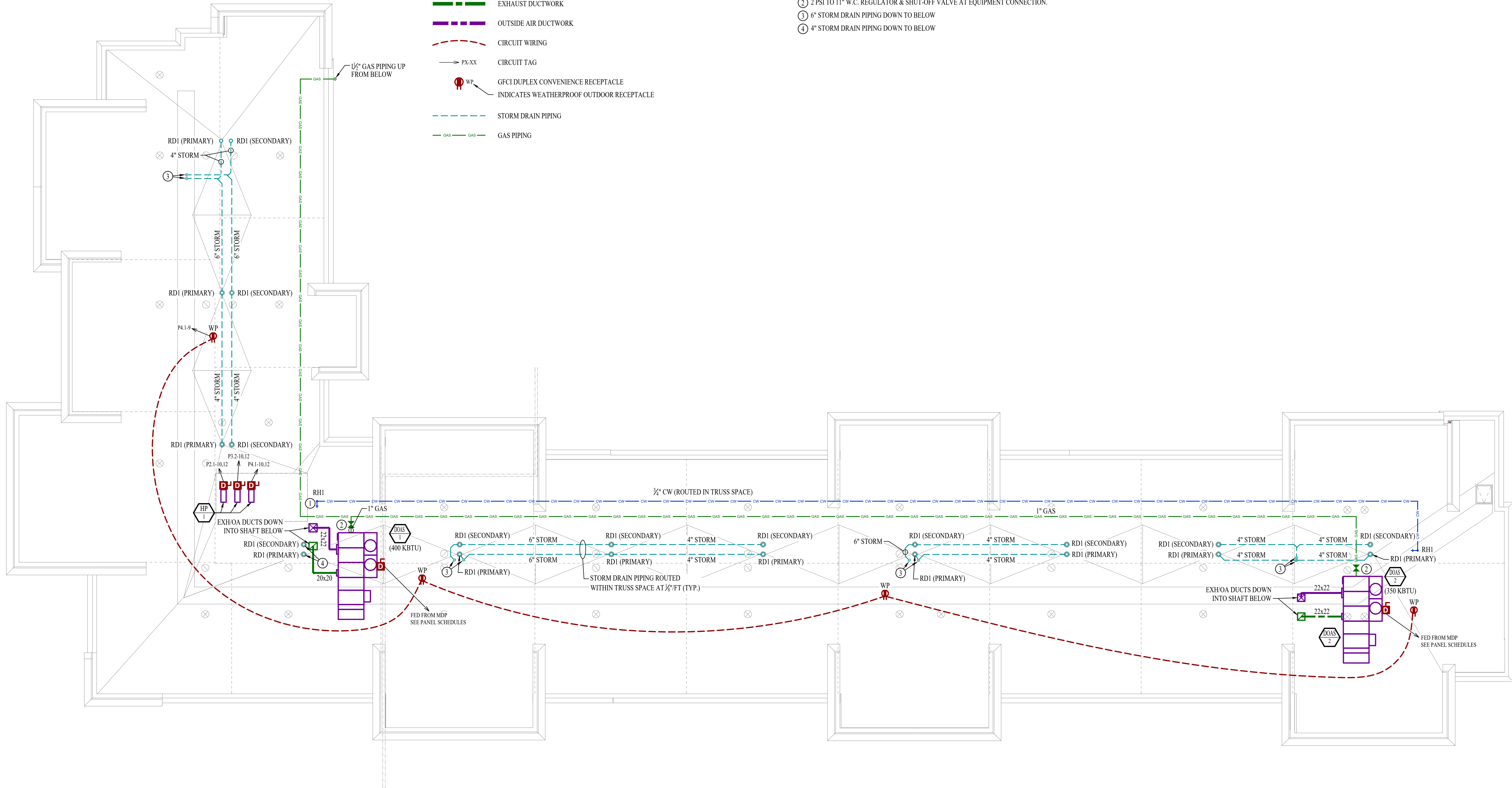


ROOF MEP PLAN GENERAL NOTES

1. REFER TO TRADE SPECIFIC SHEETS FOR ADDITIONAL INFORMATION.
2. PROVIDE & INSTALL 2PSI TO 11"W.C. REGULATOR & SHUT-OFF VALVE AT ALL GAS EQUIPMENT.

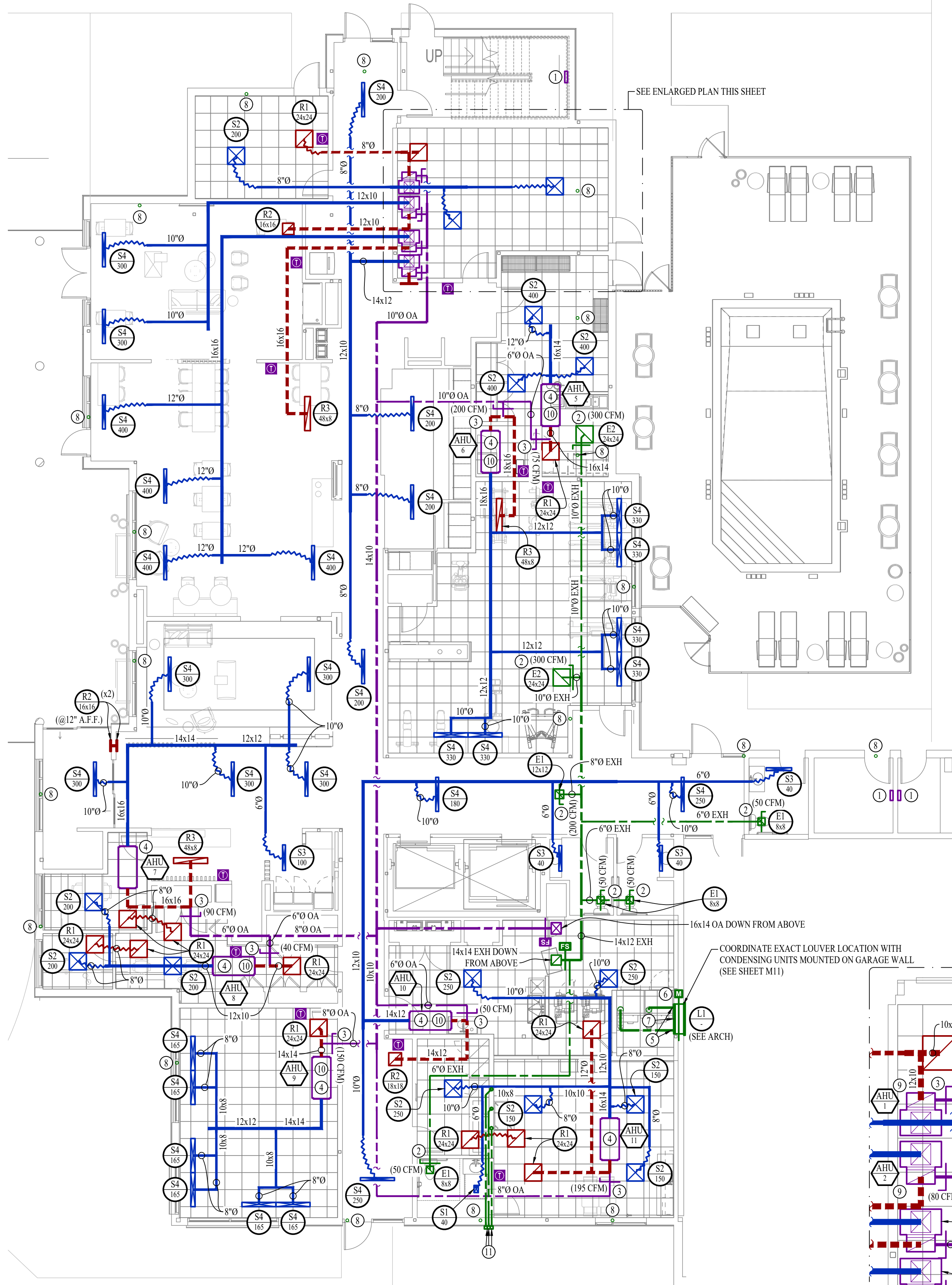
ROOF MEP PLAN KEY NOTES

- ① 3/4" CW UP FROM BELOW TO ROOF HYDRANT 'RH1'
- ② 2 PSI TO 11" W.C. REGULATOR & SHUT-OFF VALVE AT EQUIPMENT CONNECTION.
- ③ 6" STORM DRAIN PIPING DOWN TO BELOW
- ④ 4" STORM DRAIN PIPING DOWN TO BELOW

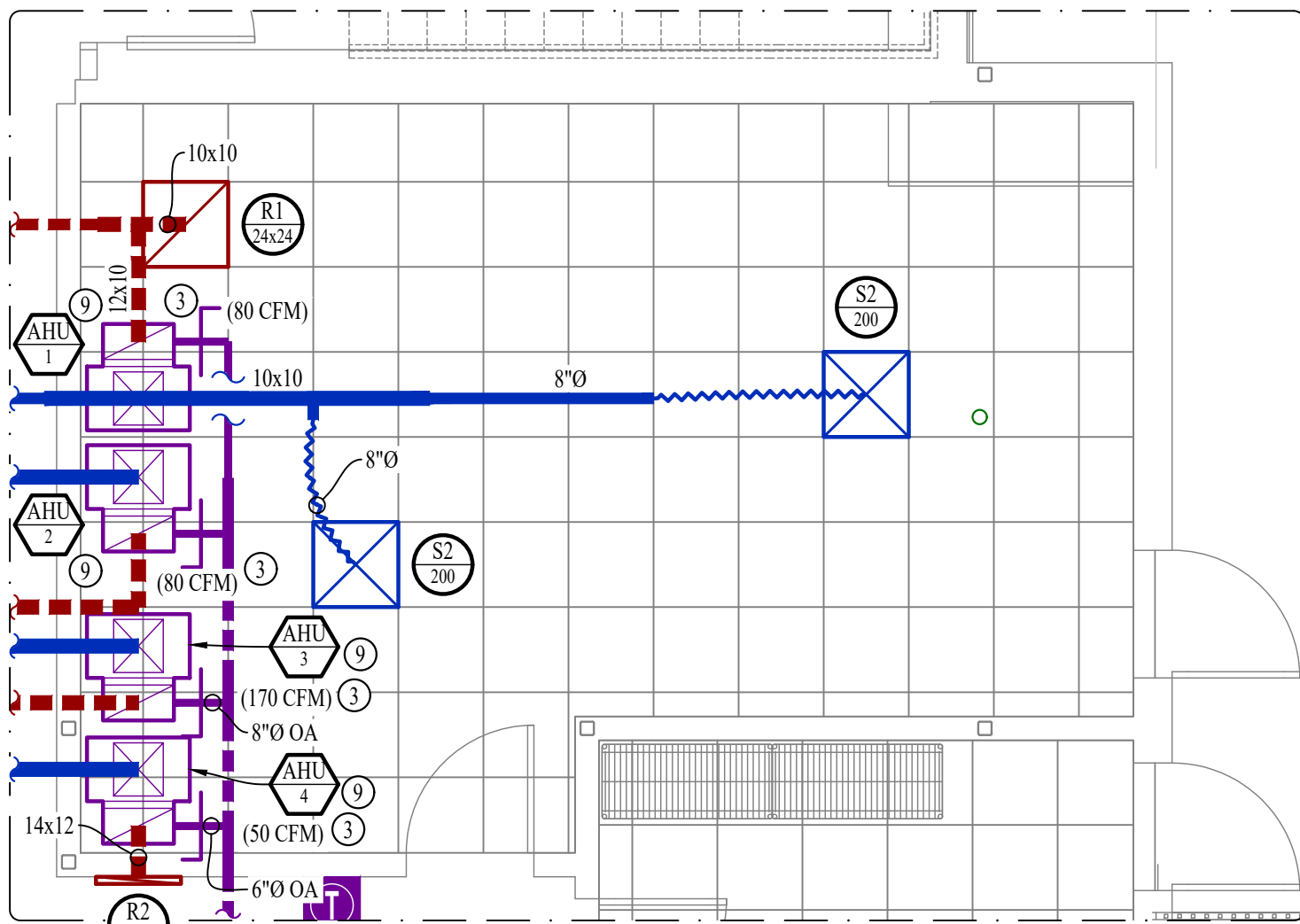


MEP PLAN - ROOF

SCALE: 3/32" = 1'-0"



HVAC PLAN - 1ST FLOOR - AREA A
SCALE: 1/8" = 1'-0"



HVAC PLAN - MECHANICAL ROOM - ENLARGED PLAN
SCALE: 1/4" = 1'-0"

HVAC PLAN SYMBOL LEGEND

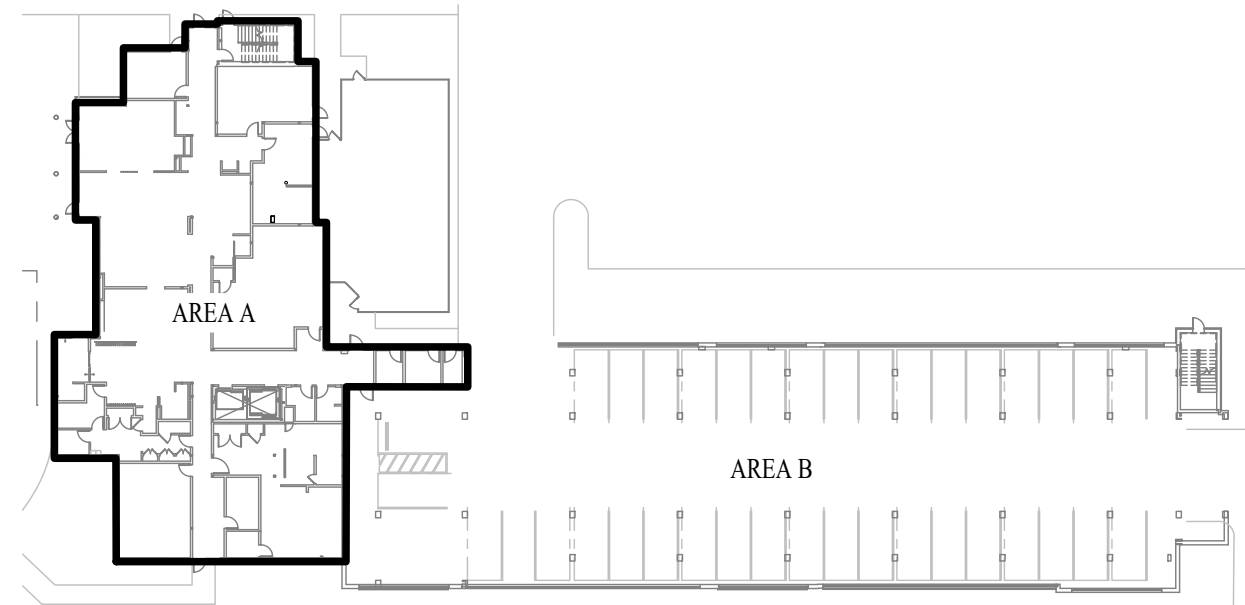
- EQUIPMENT TYPE (REFER TO EQUIPMENT SCHEDULE)
- EQUIPMENT REFERENCE NUMBER
- DIFFUSER/GRILLE TYPE (REFER TO SCHEDULE)
- CUBIC FEET PER MINUTE (CFM) / FACE SIZE
- SUPPLY DUCTWORK
- RETURN DUCTWORK
- EXHAUST DUCTWORK
- OUTSIDE AIR DUCTWORK
- FLEX DUCT
- VENT / COMBUSTION AIR
- CONDENSATION LINE
- REFRIGERANT LINE
- TIE INTO EXISTING
- SUPPLY DIFFUSER (HATCH INDICATES "NO FLOW ZONE")
- RETURN DIFFUSER
- BALANCE DAMPER
- MOTORIZED DAMPER
- CEILING RADIATION DAMPER
- FIRE RATED DAMPER
- SMOKE DAMPER
- FIRE/SMOKE DAMPER
- THERMOSTAT
- CO2 DETECTOR
- RETURN DUCT SMOKE DETECTOR
WIRED TO FAN STARTER TO SHUT UNIT(S) DOWN AND SEND ALARM SIGNAL
TO FIRE ALARM SYSTEM (IF PRESENT) OR TO REMOTE SOUNDER
LOCATED IN AN OCCUPIED SPACE (EQUAL TO SYSTEM SENSOR #D4120)
- REMOTE SOUNDER WIRED TO RETURN DUCT SMOKE DETECTOR
(EQUAL TO SYSTEM SENSOR #MHW)

HVAC PLAN GENERAL NOTES:

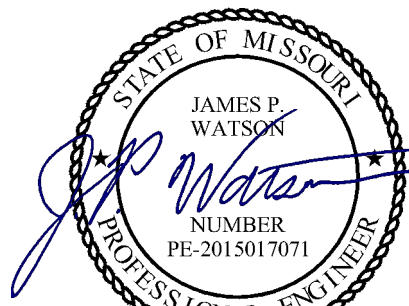
- SEE M500 & M600 SERIES SHEETS FOR ADDITIONAL HVAC NOTES, DETAIL, AND SCHEDULES.
- ALL HVAC EQUIPMENT SHALL BE FULLY INTEGRATED AND AUTOMATED THRU BUILDING AUTOMATION SYSTEM. SEE BUILDING AUTOMATION SYSTEM NOTES FOR DETAILS.
- ALL REFRIGERANT PIPING SHALL ROUTE IN SPACE WITHIN WALLS OR ABOVE FINISHED CEILINGS TO REMAIN CONCEALED.
- ALL DUCTWORK SHOWN SHALL ROUTE IN SPACE ABOVE FINISHED CEILINGS TO REMAIN CONCEALED UNLESS NOTE OTHERWISE. HVAC CONTRACTOR TO ADJUST SIZING & ROUTING AS NECESSARY TO COORDINATE WITH ALL OTHER TRADES.

HVAC PLAN KEY NOTES:

- WALL HEATER PROVIDED & INSTALLED BY ELECTRICIAN.
- BALANCE EXHAUST FLOW TO AMOUNT SHOWN (XXX CFM).
- BALANCE OA FLOW TO AMOUNT SHOWN (XXX CFM).
- AHU TO BE SUSPENDED ABOVE CEILING.
- EXTEND 10" DRYER EXHAUST FROM EACH COMMERCIAL DRYER & TERMINATE AT TOP OF LOUVER (SEE DETAIL). DRYER VENT TO TERMINATE A MINIMUM OF 3'-0" ABOVE INTAKE LOUVER.
- MOTORIZED DAMPER SHALL OPEN WHEN EITHER OF THE DRYERS IS IN OPERATION.
- DRYER MAKE-UP DUCT OPEN TO CAVITY BEHIND DRYERS.
- 3/4" CONDENSATE DOWN FROM PTACS ON FLOORS ABOVE. ROUTE OVER & INDIRECT DISCHARGE INTO NEAREST HUB-DRAIN ABOVE CEILING (SEE SANITARY PLANS).
- AHU CONDENSATE TO INDIRECT DISCHARGE IN FLOOR DRAIN WITHIN MECHANICAL ROOM.
- AHU CONDENSATE TO INDIRECT DISCHARGE IN NEARBY HUB-DRAIN IN WALL (SEE SANITARY PLANS).
- 4" DRYER EXHAUST FROM GUEST LAUNDRY DRYER TO EXTERIOR; TERMINATE WITH #DWV (COLOR DETERMINED BY ARCHITECT). WRAP DRYER EXHAUST WITH ZERO-CLEARANCE FIREWRAP EQUAL TO FIREMASTER DUCTWRAP OR EQUAL. DRYER EXHAUST SHALL NOT EXCEED 35' IN TOTAL DEVELOPED LENGTH PER IMC 504.8.4.



KEY PLAN
SCALE: 1" = 50'



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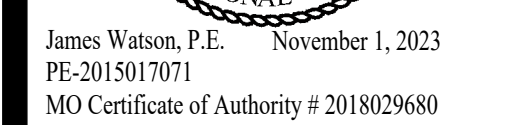
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SHEET TITLE

HVAC PLAN -
1ST FLOOR -
AREA A

SHEET NUMBER

M101

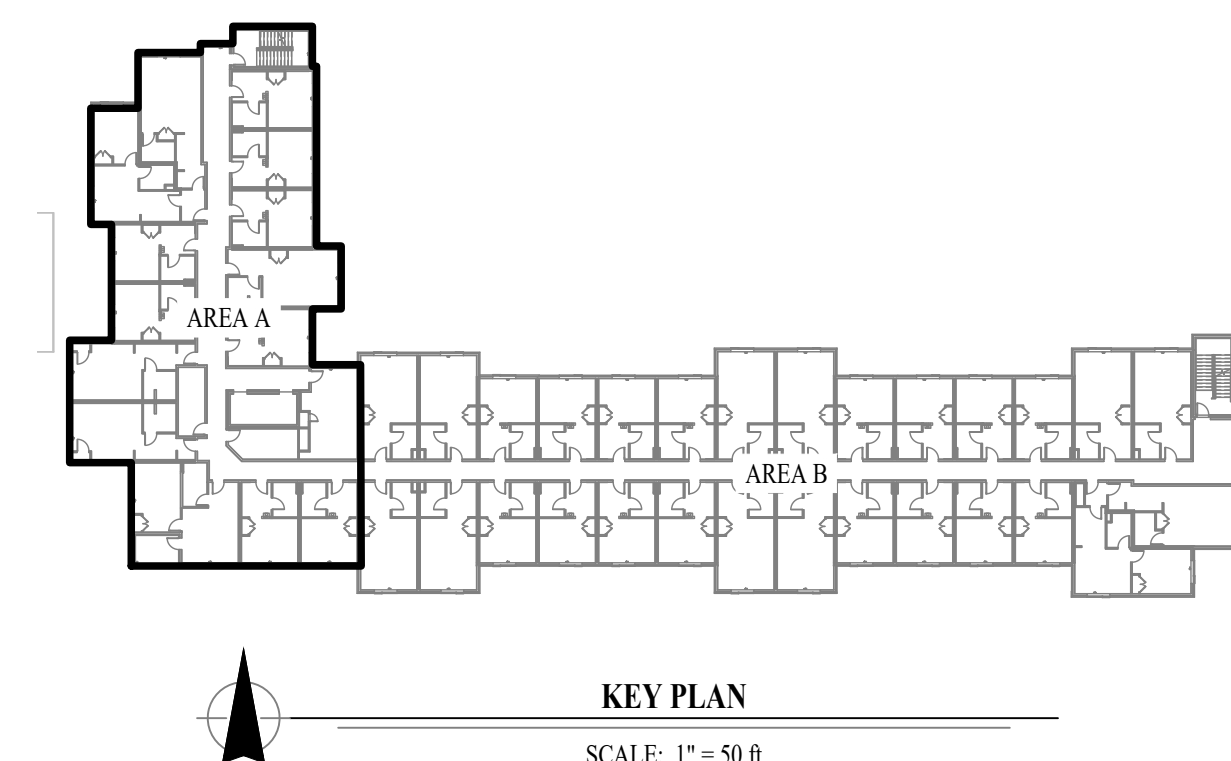


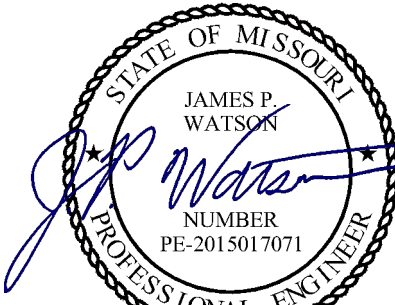
**1810 Northeast Douglas St.
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SHEET TITLE

SHEET NUMBER

M102





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AHU APPROVAL STAMP

SHEET TITLE

HVAC PLAN -
1ST FLOOR -
AREA B

SHEET NUMBER

M111

HVAC PLAN SYMBOL LEGEND

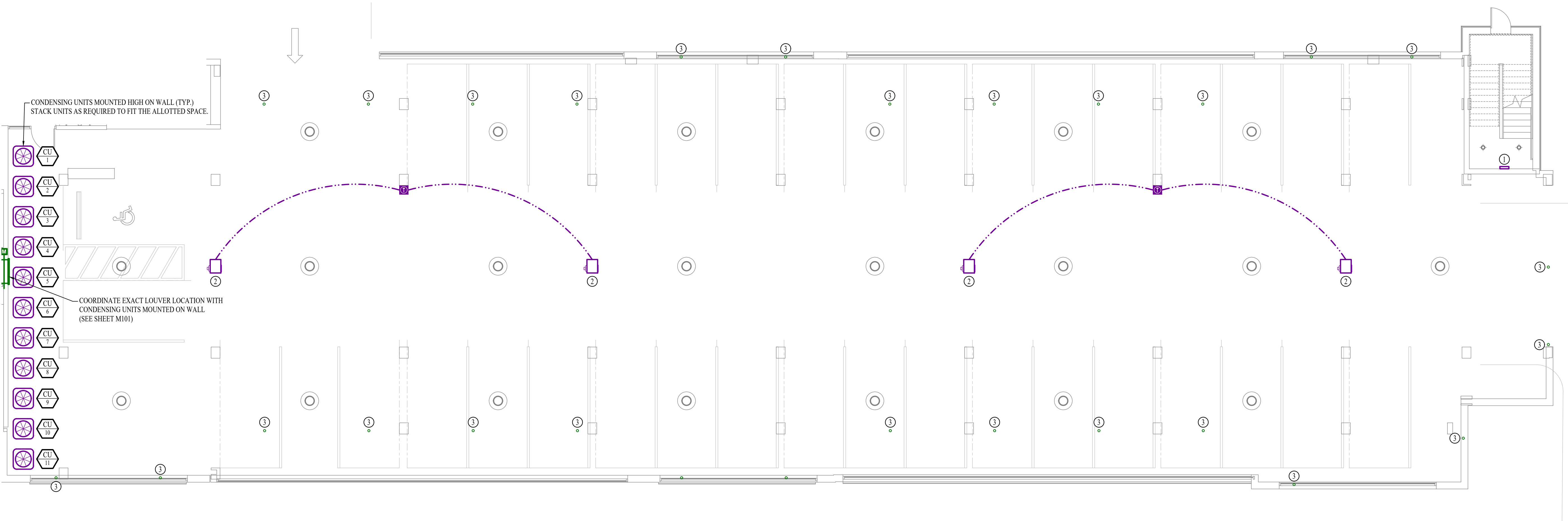
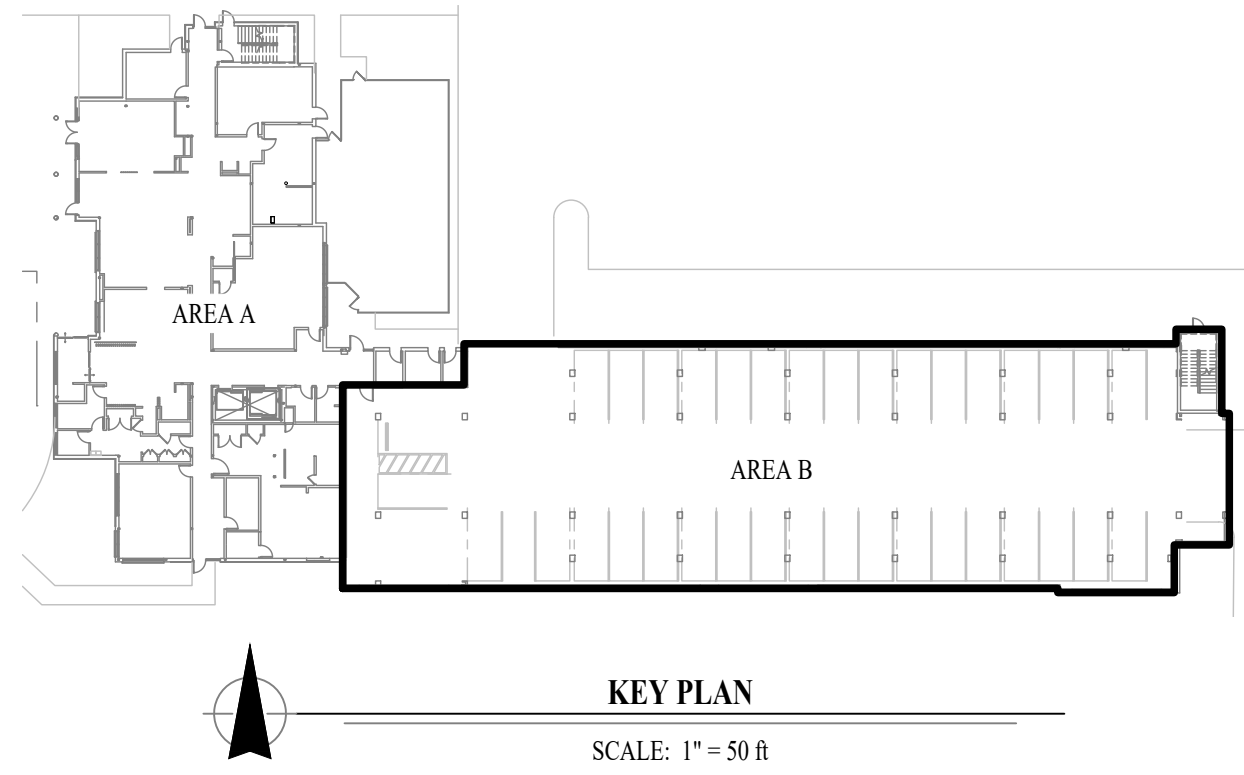
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LOCATED IN AN OCCUPIED SPACE (EQUAL TO SYSTEM SENSOR #D4120)
- REMOTE SOUNDER WIRED TO RETURN DUCT SMOKE DETECTOR
(EQUAL TO SYSTEM SENSOR #MHW)

HVAC PLAN GENERAL NOTES:

- SEE M500 & M600 SERIES SHEETS FOR ADDITIONAL HVAC NOTES, DETAIL, AND SCHEDULES.
- ALL HVAC EQUIPMENT SHALL BE FULLY INTEGRATED AND AUTOMATED THRU BUILDING AUTOMATION SYSTEM. SEE BUILDING AUTOMATION SYSTEM NOTES FOR DETAILS.
- ALL REFRIGERANT PIPING SHALL ROUTE IN SPACE WITHIN WALLS OR ABOVE FINISHED CEILINGS TO REMAIN CONCEALED.

HVAC PLAN KEY NOTES:

- WALL HEATER PROVIDED & INSTALLED BY ELECTRICIAN
- PROVIDE & INSTALL CONCEALED ZERO-CLEARANCE PLENUM HEATER EQUAL TO BERKO #BPH158324.
- 3/4" CONDENSATE DOWN FROM PTACS ON FLOORS ABOVE. ROUTE OVER IN HEATED SPACE & ROUTE DOWN TO INDIRECT DISCHARGE INTO NEAREST FLOOR DRAIN NEXT TO COLUMN (SEE SANITARY PLANS)

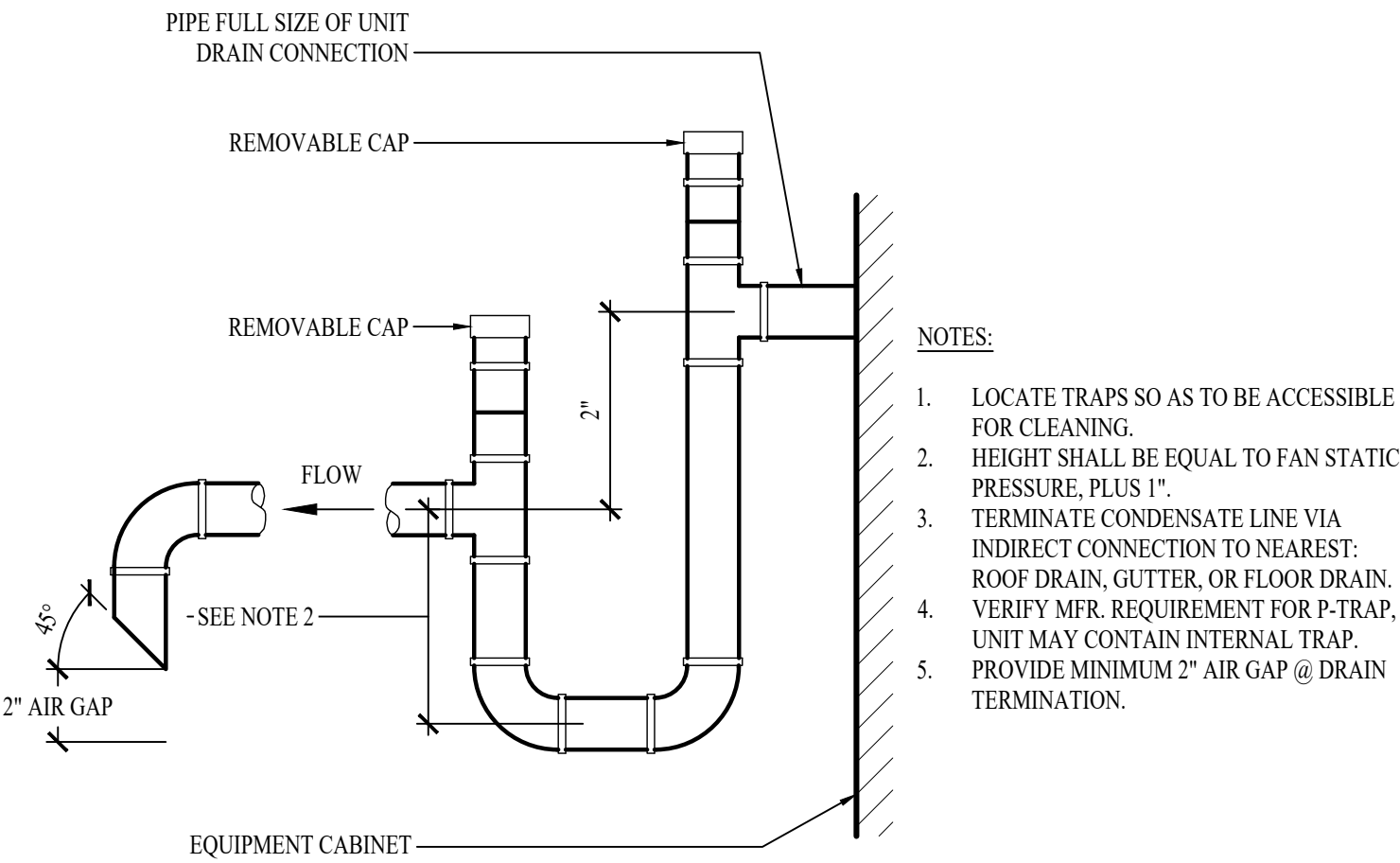


HVAC PLAN - 1ST FLOOR - AREA B

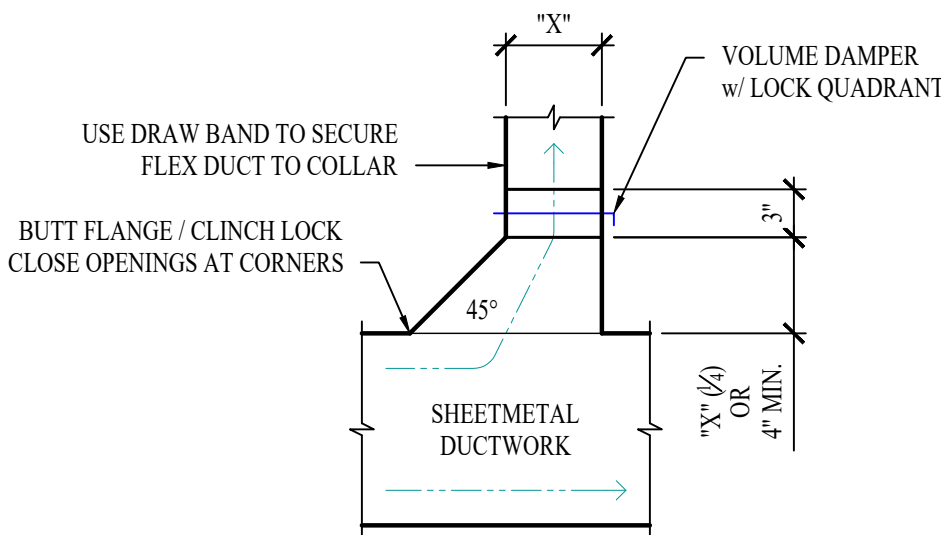
SCALE: 1/8" = 1'-0"

HVAC SPECIFICATIONS

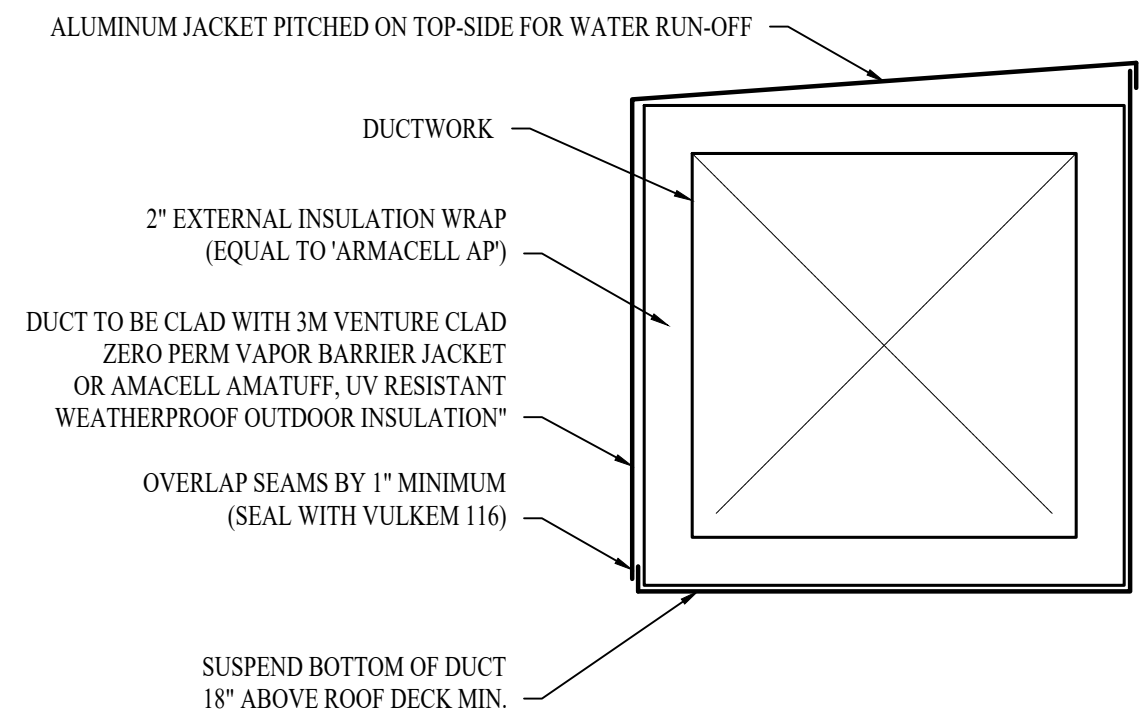
1. EQUIPMENT
- 1.1. ALL EQUIPMENT MUST PROVIDE THE PERFORMANCE SPECIFIED ON PLANS. WHERE SPECIFIC MAKES AND MODELS ARE INDICATED ON PLAN, CONTRACTOR TO PROVIDE MODEL INDICATED OR APPROVED EQUAL.
- 1.2. CONTRACTOR TO SUPPLY SUBMITTALS FOR ALL EQUIPMENT FOR REVIEW BY ARCHITECT AND ENGINEER PRIOR TO PURCHASE.
- 1.3. ALL HORIZONTAL FURNACES WITH AC COILS TO BE EQUIPPED WITH CORROSION RESISTANT DRAIN PAN. DRAIN PAN TO DISCHARGE TO SANITARY WASTE VIA INDIRECT CONNECTION WITH AIR GAP. DRAIN PAN TO PROVIDE SECONDARY OVERFLOW OR FLOAT SWITCH INTERLOCKED WITH UNIT TO SHUT DOWN UNIT ON HIGH WATER SIGNAL.
- 1.4. ALL EXTERIOR REFRIGERANT COILS TO BE PROTECTED BY FACTORY EQUIPPED HAIL GUARDS.
- 1.5. REFRIGERANT PIPING TO BE ACR COPPER OR TYPE L COPPER.
2. DUCTWORK
- 2.1. DUCTWORK TO BE GALVANIZED STEEL, SEAL CLASS B, CONSTRUCTED PER SMACNA STANDARDS.
- 2.2. 26 GA. MINIMUM UP TO 16" DUCT, 24 GA. UP TO 20", 22 GA. UP TO 24", 20 GA. UP TO 28", AND 18 GA. UP TO 36"
- 2.3. TURNING VANES TO BE PROVIDED AND INSTALLED AT ALL 90° BENDS AND TEES.
- 2.4. DUCT DIMENSIONS LISTED ARE TO INTERIOR OF DUCT LINER.
- 2.5. BALANCE DAMPERS MUST BE PROVIDED TO ALLOW ADJUSTMENT AT EACH AIR TERMINAL.
- 2.5.1. WHERE BRANCH TAKEOFF IS ACCESSIBLE (ABOVE LAY-IN CEILING OR EXPOSED DUCT), THE BALANCE DAMPER IS TO BE INSTALLED AT TAKEOFF.
- 2.5.2. WHERE TAKEOFF IS INACCESSIBLE (IN ATTIC OR SOFFIT), THE BALANCE DAMPER IS TO BE LOCATED SO IT IS ACCESSIBLE FROM FACE OF AIR DEVICE.
- 2.6. HVAC CONTRACTOR RESPONSIBLE FOR ALL DUCTWORK TRANSITIONS AND FITTINGS AS REQUIRED FOR FINAL CONNECTIONS TO HVAC EQUIPMENT.
3. INSULATION
- 3.1. DUCTWORK
- 3.1.1. SEE "TYPICAL DUCT INSULATION DIAGRAM" FOR INSTALLATION SPECIFIC REQUIREMENTS.
- 3.1.2. INTERNAL DUCT LINER TO BE EQUAL TO CLOSED CELL ELASTOMERIC BACTERIAL RESISTANT INSULATION (NON-FIBROUS) WITH IMPERVIOUS FACE. FROM FIST 30" FROM AIR HANDLER, LINER SHALL BE 2", 1½" DENSITY.
- 3.1.3. EXTERNAL DUCT WRAP TO INCLUDE VAPOR BARRIER. EQUAL TO 'JOHNS MANVILLE MICROLITE' WITH FSK JACKET.
- 3.2. REFRIGERANT PIPING
- 3.2.1. SPLIT SYSTEM (SUCTION LINE ONLY) - 1" CLOSED CELL ELASTOMERIC FOAM (EQUAL TO 'ARMAFLEX AP').
- 3.3. VRV/VRF SYSTEMS (BOTH SUCTION AND HOT GAS LINES) 1½" EPDM (EQUAL TO 'AEROFLEX AEROCEL AC') WITHIN CONDITIONED SPACES & 2" EPDM (EQUAL TO 'AEROFLEX AEROCEL AC') IN UNCONDITIONED SPACES, AND WITH BANDED ALUMINUM SHIELDING IN EXTERIOR SPACES.
- 3.4. CONDENSATE PIPING
- 3.4.1. SPLIT SYSTEMS - WHERE CONDENSATE PIPING IS LOCATED IN UNCONDITIONED SPACE, INSULATE WITH ½" ELASTOMERIC. NO INSULATION REQUIRED IN CONDITIONED SPACES.
- 3.4.2. VRV/VRF - INSULATE WITH ½" ELASTOMERIC.
4. WORKMANSHIP
- 4.1. COORDINATE WITH OTHER TRADES SO THAT HVAC EQUIPMENT AND DUCT WORK DOES NOT BLOCK REQUIRED ACCESS OR CLEARANCE TO EQUIPMENT.
- 4.2. ALL HVAC EQUIPMENT IS TO BE INSTALLED PER MANUFACTURER'S PUBLISHED RECOMMENDATIONS.
- 4.3. ALL EQUIPMENT TO BE INSTALLED LEVEL AND PLUMB.
- 4.4. ROOFTOP MOUNTED RTUS TO BE INSTALLED ON CURBS PER MANUFACTURES INSTRUCTIONS.
- 4.5. GRADE MOUNTED RTUS, CONDENSING UNITS, AND HEAT PUMPS TO BE INSTALLED ON 4" REINFORCED CONCRETE PAD EXTENDING 4" BEYOND EACH EDGE OF THE EQUIPMENT, OR A MANUFACTURER APPROVED PRE-MANUFACTURED BASE.
5. TESTING AND BALANCING
- 5.1. ALL SYSTEMS MUST BE BALANCED TO WITHIN 10% OF VALUES INDICATED ON PLAN.
- 5.2. HVAC CONTRACTOR TO PROVIDE WRITTEN BALANCE REPORT INCLUDING FLOW VALUES INDICATED ON PLAN AND ACTUAL MEASURED VALUES.
- 5.3. THIRD PARTY CERTIFIED TEST AND BALANCE NOT REQUIRED.



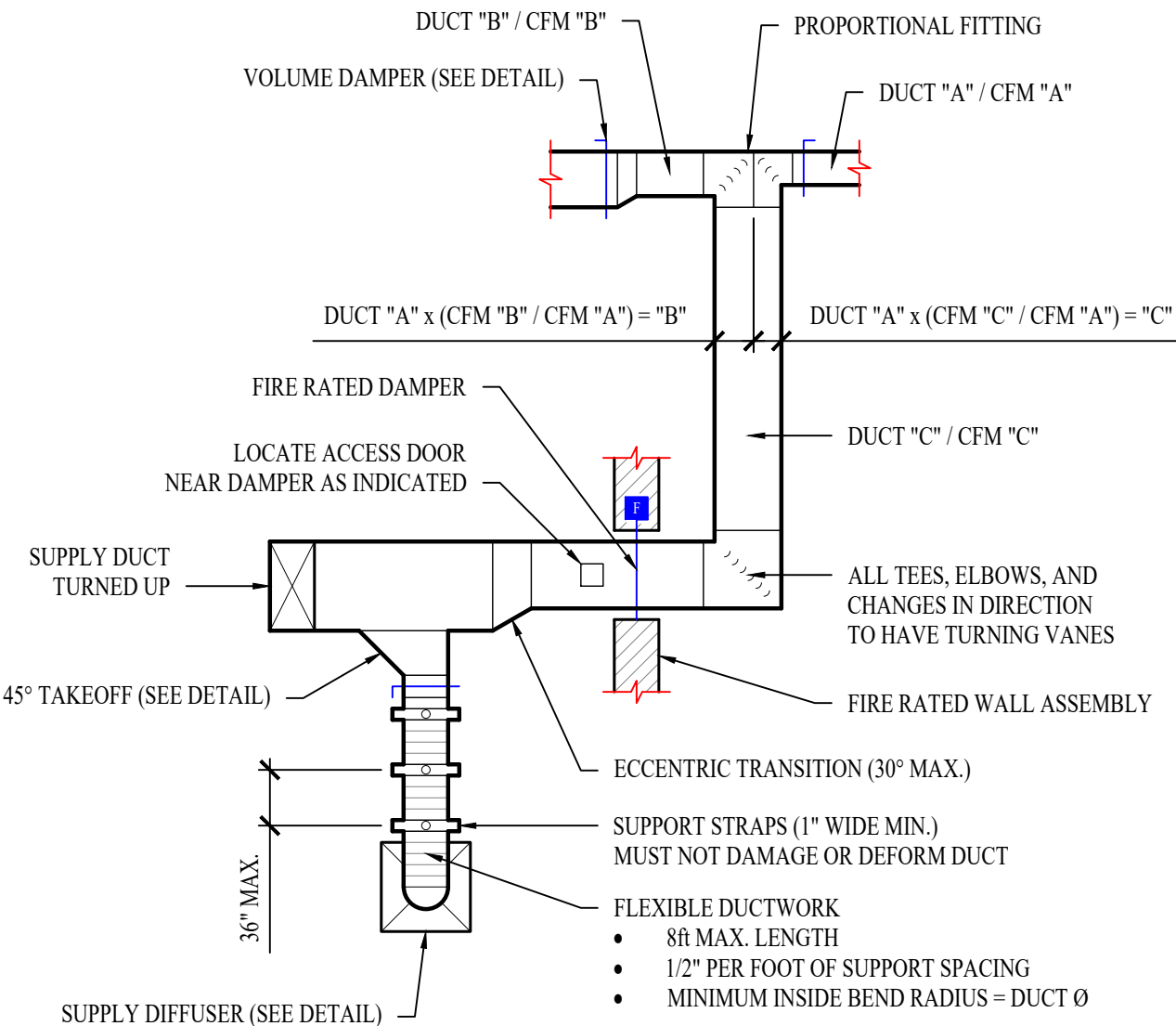
COOLING EQUIPMENT CONDENSATE DRAIN TRAP



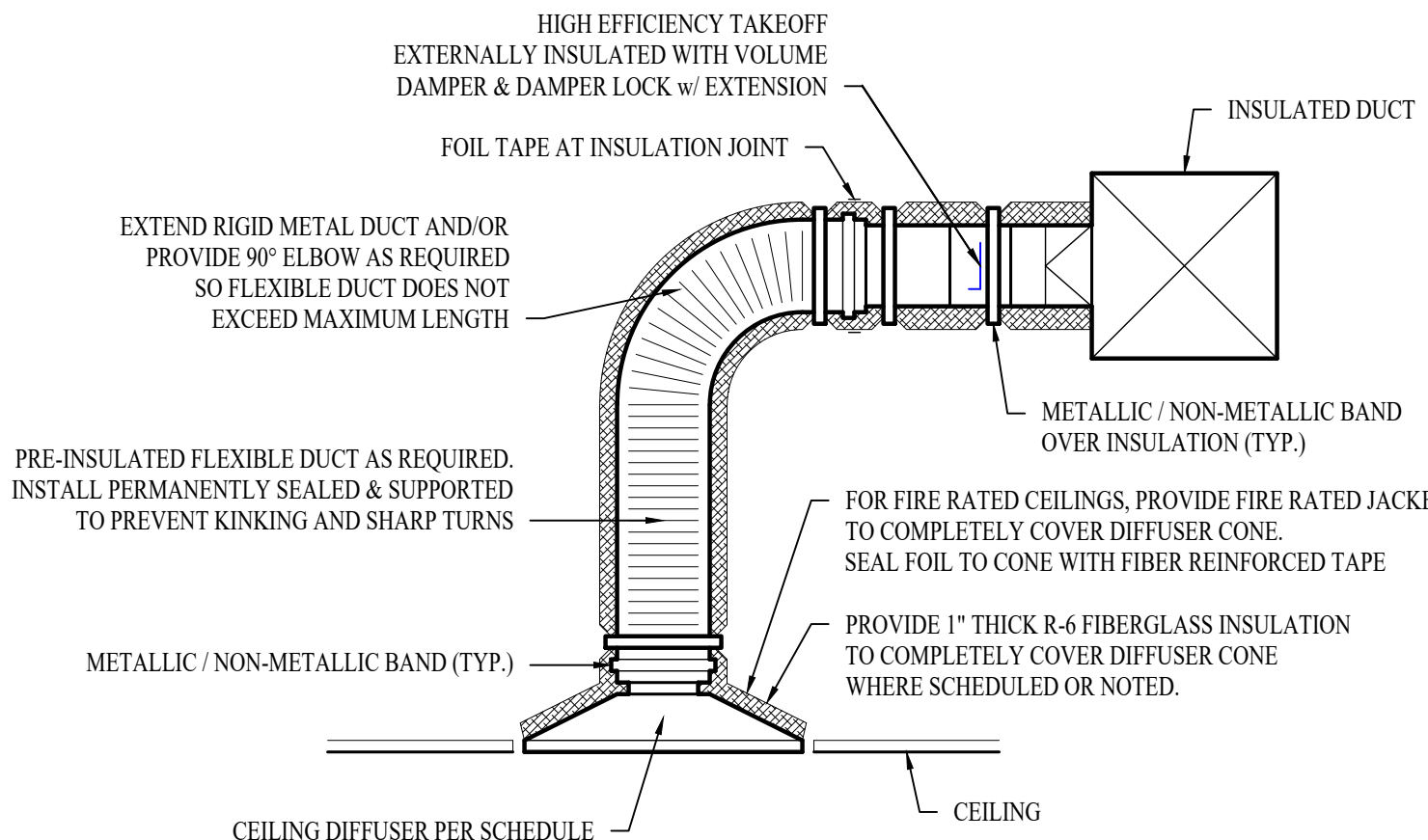
TYPICAL 45° TAKEOFF DETAIL



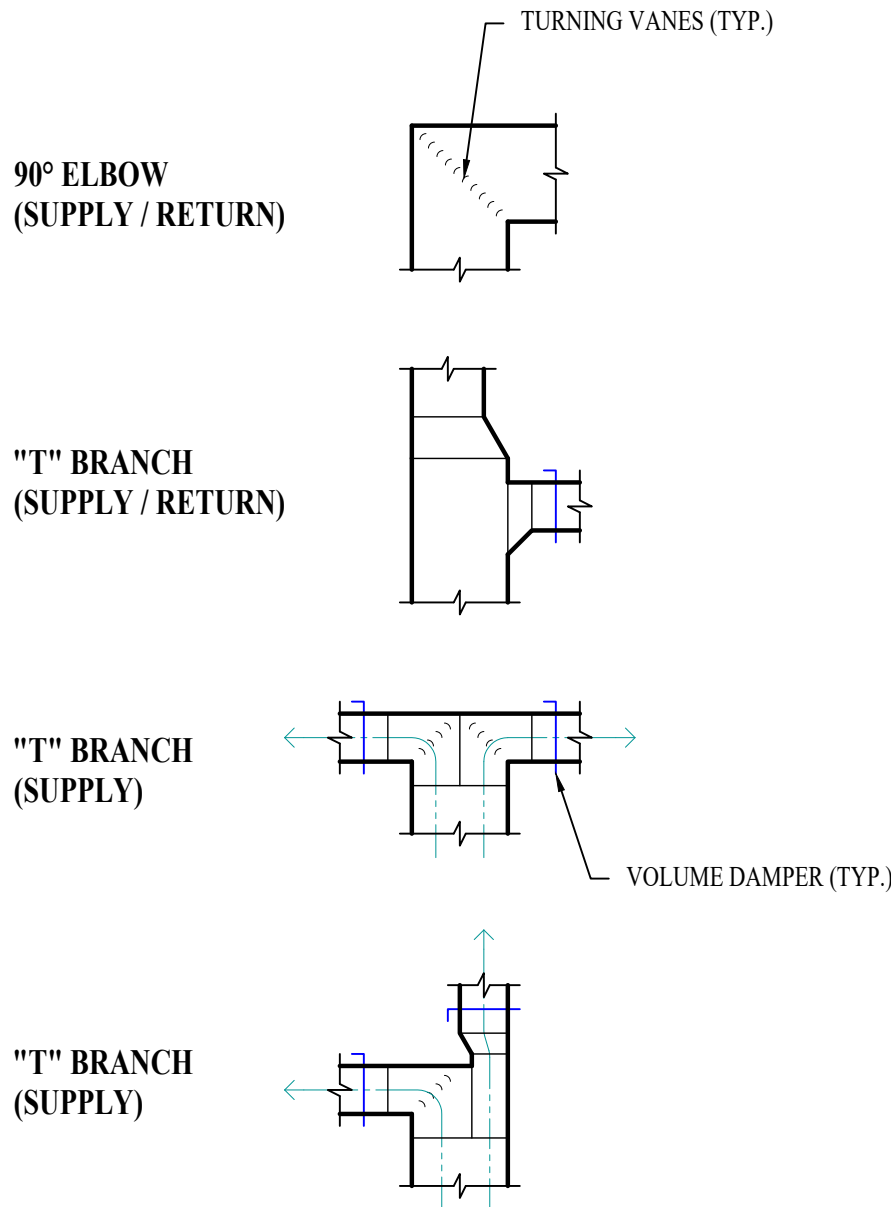
BUILDING EXTERIOR DUCT SECTION DETAIL



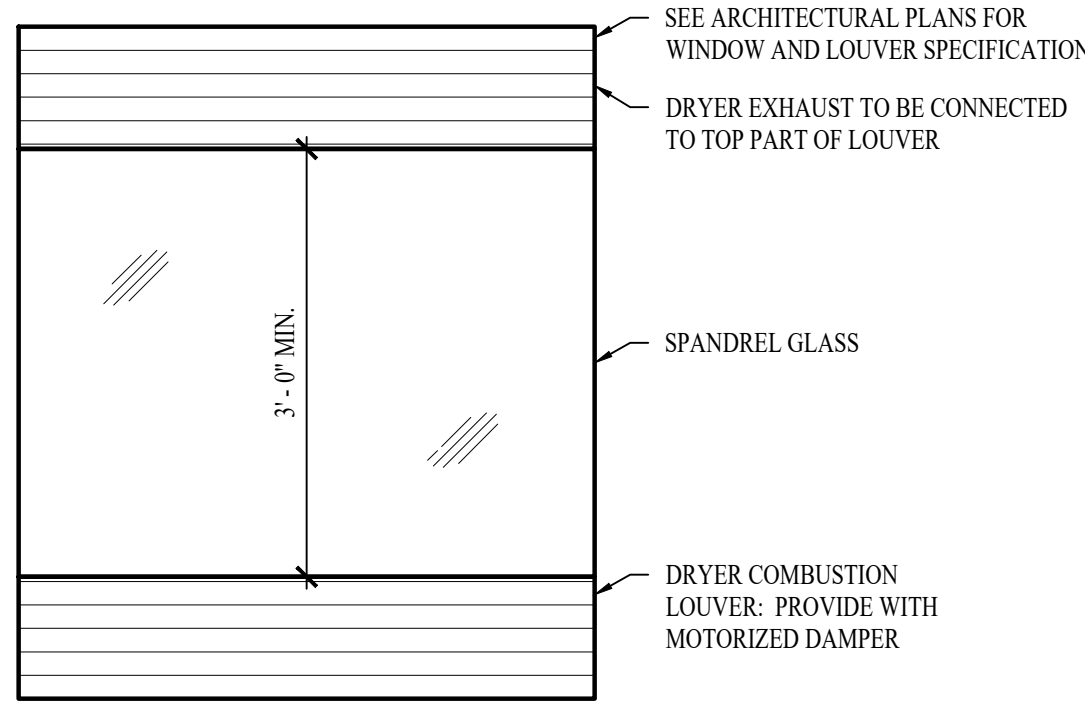
TYPICAL DUCTWORK DETAIL



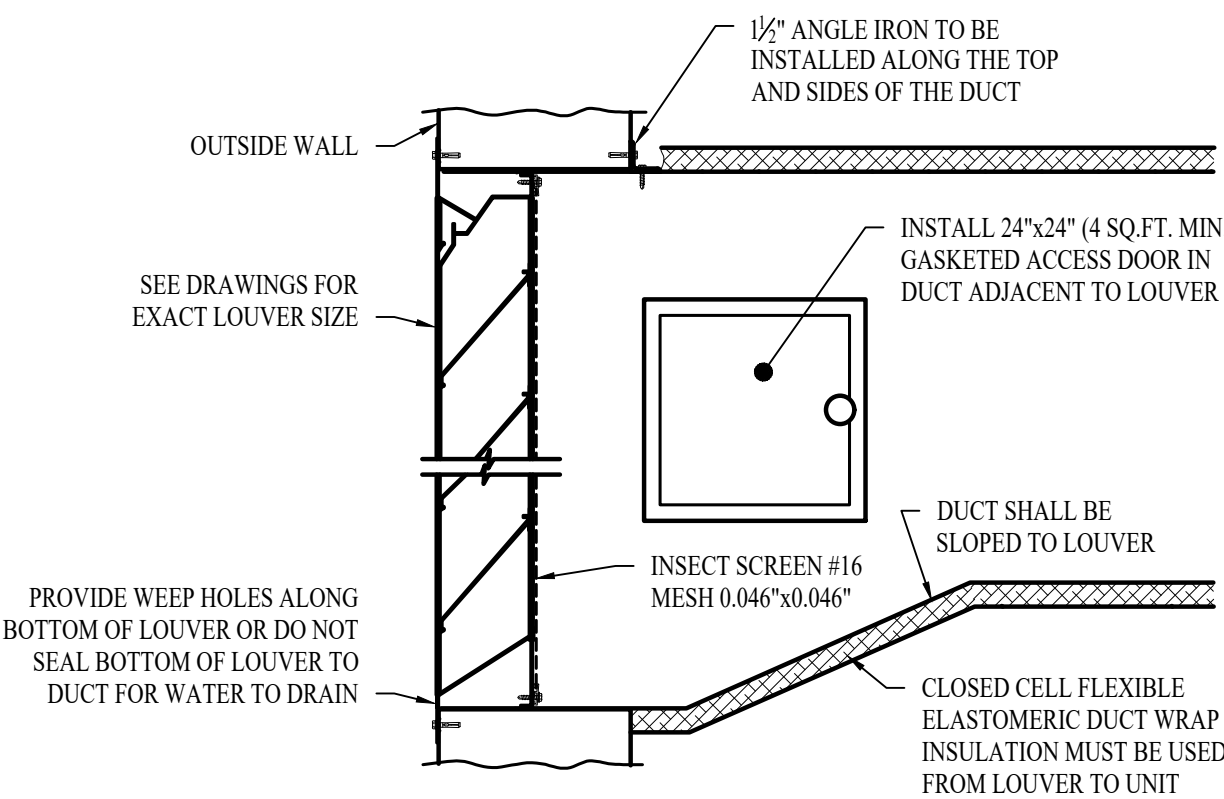
TYPICAL LAY-IN DIFFUSER DETAIL



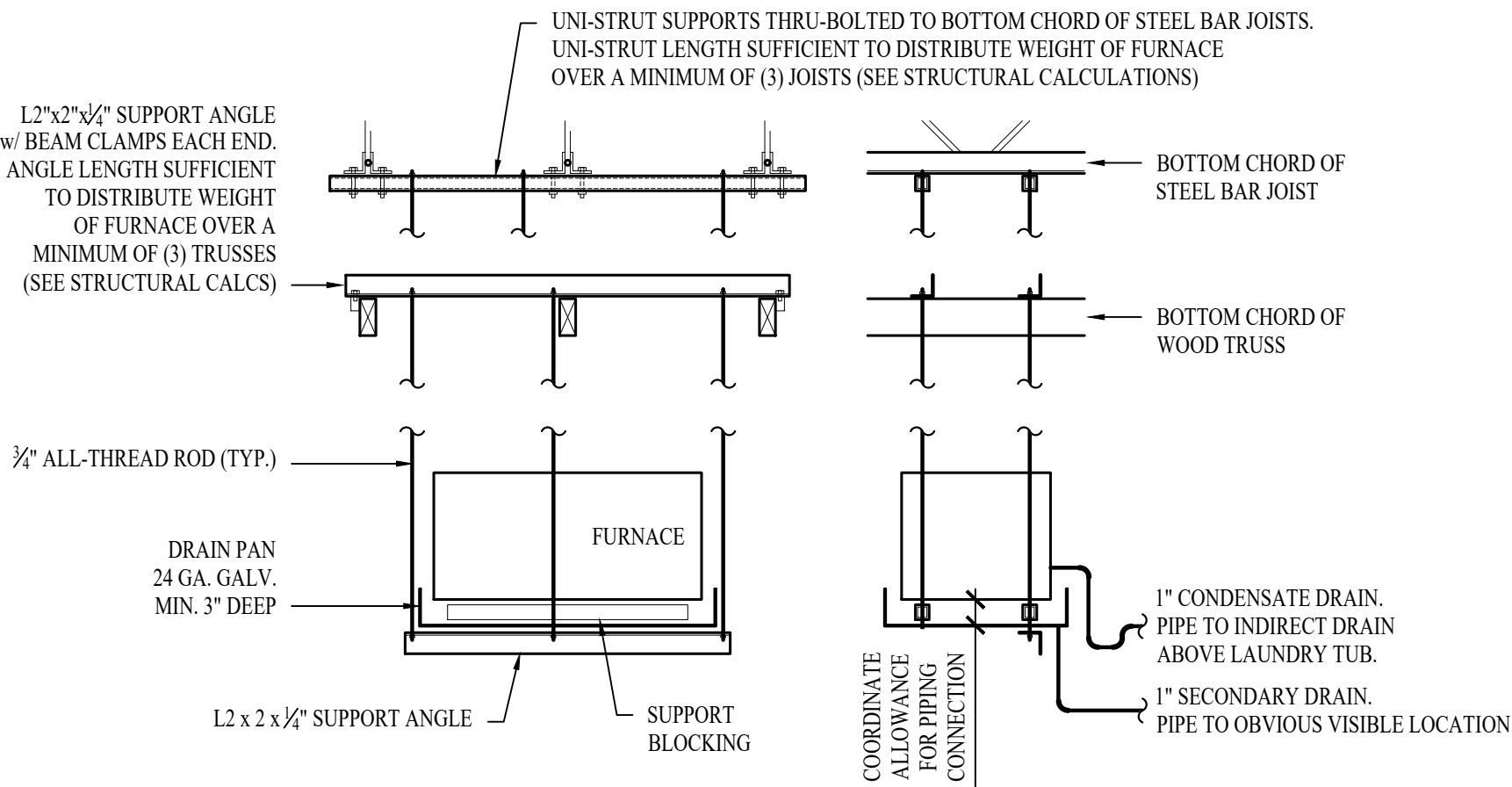
TYPICAL DUCTWORK FITTINGS DETAIL



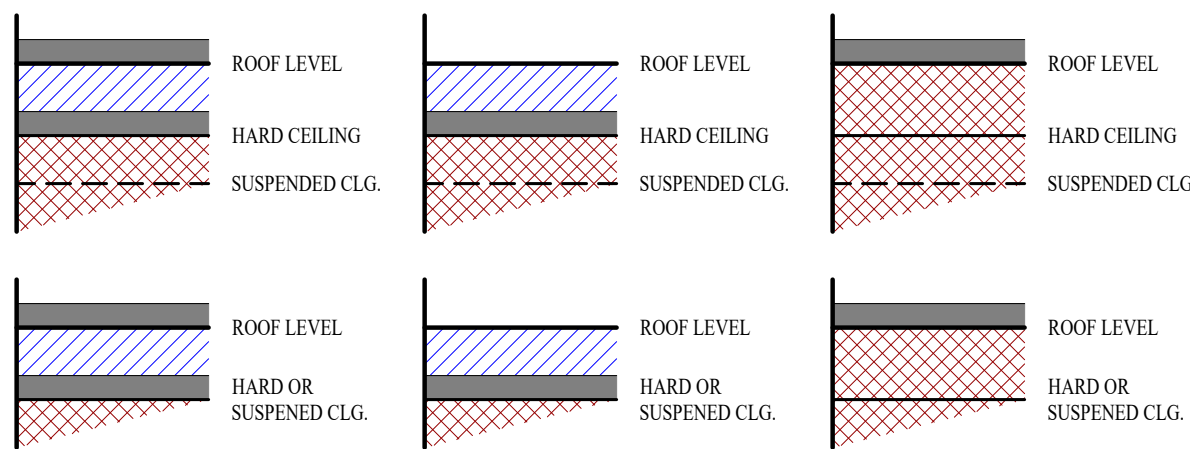
DRYER LOUVER DETAIL



LOUVER CONNECTION DETAIL



SUSPENDED FURNACE INSTALLATION DETAIL



XXXXXX = INSIDE ████████ = INSULATION ///// = OUTSIDE

DUCT **INSIDE** THERMAL ENVELOPE INSULATION REQUIREMENTS

- RECTANGULAR
- SUPPLY = 1" LINER
 - RETURN = 1" LINER
 - EXHAUST = NONE
 - OUTSIDE AIR = 2" WRAP

- ROUND
- SUPPLY = ½" WRAP
 - RETURN = NONE
 - EXHAUST = NONE
 - OUTSIDE AIR = 2" WRAP

- SPIRAL
- SUPPLY = NONE
 - RETURN = NONE
 - EXHAUST = NONE
 - OUTSIDE AIR = 2" WRAP

DUCT **OUTSIDE** THERMAL ENVELOPE INSULATION REQUIREMENTS

- RECTANGULAR
- SUPPLY = 1" LINER & ½" WRAP
 - RETURN = 1" LINER & ½" WRAP
 - EXHAUST = ½" WRAP
 - OUTSIDE AIR = NONE

- ROUND
- SUPPLY = 2" WRAP
 - RETURN = 2" WRAP
 - EXHAUST = ½" WRAP
 - OUTSIDE AIR = NONE

- SPIRAL
- SUPPLY = 2" WRAP
 - RETURN = 2" WRAP
 - EXHAUST = ½" WRAP
 - OUTSIDE AIR = NONE

* SEE HVAC SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

TYPICAL BUILDING INTERIOR DUCT INSULATION DIAGRAM

PTAC SCHEDULE													
TAG	EQUIPMENT DESCRIPTION	MANUFACTURER (OR EQUAL)	MODEL NUMBER (OR EQUAL)	TOTAL AIRFLOW (CFM)	HEATING	COOLING (IA: 80 DB/67 WB, OA: 95 DB)				ELECTRICAL			NOTES
					ELECTRIC (kW)	SENSIBLE (KBTU)	TOTAL CAP. (KBTU)	MIN EFF. (EER)	VOLTS/PH	MCA	OCP		
PTAC-1	PACKAGED TERMINAL AC	FRIEDRICH	PDI07K3SG	315 - 255	3.5	6.2	7.2	13.0		208/1	16	20-2	1, 2, 3, 4
PTAC-2	PACKAGED TERMINAL AC	FRIEDRICH	PDI09K3SG	355 - 275	3.5	8.0	9.4	12.1		208/1	16	20-2	1, 2, 3, 4
NOTES:													
1. PROVIDE & INSTALL ALL NECESSARY COMPONENTS/EQUIPMENT TO FULLY INTEGRATE UNIT INTO GUESTROOM MANAGEMENT SYSTEM (GRMS) & BUILDING AUTOMATION SYSTEM (BAS)													
2. WITH WALL SLEEVE TO EXTEND 8" - 10" FROM FACE OF EXTERIOR WALL													
3. WITH #2X8/2020 UNIT SUBBASE & #2X8 DISCONNECT SWITCH													
4. WITH ARCHITECTURAL SERIES EXTERIOR GRILLE (VERIFY STYLE WITH ARCHITECT)													
5. WITH CONDENSATION PIPING KIT													

MINI-SPLIT SYSTEM SCHEDULE												
TAG	EQUIPMENT DESCRIPTION	SIZE (TONS)	ORIENTATION	TOTAL AIRFLOW (CFM)	HEATING (IA:70 DB, OA:17 DB)	COOLING (IA: 80 DB/67 WB, OA: 95 DB)			ELECTRICAL			NOTES
					TOTAL (KBTU)	SENSIBLE (KBTU)	TOTAL (KBTU)	EFFICIENCY (SEER)	VOLTS/PH	MCA	OCP	
FCU-1	FAN-COIL UNIT	2.0	WALL-MOUNT	700	-	-	-	-	(POWERED THRU HP-1)			1, 3, 4
HP-1	HEAT PUMP	2.0	STANDARD	-	18.3	18.5	24.0	21	208/1	14	25-2	2, 5
NOTES: 1. PROVIDE & INSTALL DIRECT DIGITAL SENSOR CONNECTED TO BAS WITH TEMPERATURE & HUMIDITY READOUTS/SETPOINTS. 2. WITH WIND BAFFLE 3. WITH FIELD INSTALLED CONDENSATE PUMP. 4. EQUAL TO MITSUBISHI #PKA-A24KA7 5. EQUAL TO MITSUBISHI #PUZ-A24NLA7												

SPLIT SYSTEM EQUIPMENT SCHEDULE														
TAG	EQUIPMENT DESCRIPTION	SIZE (TONS)	ORIENTATION	TOTAL AIRFLOW (CFM)	OA AIRFLOW MAX/MIN (CFM)	HEATING	COOLING (IA: 80 DB/67 WB, OA: 95 DB)			ELECTRICAL			NOTES	
						ELECTRIC (KW)	SENSIBLE (KBTU)	TOTAL (KBTU)	MIN EFF. (SEER)	VOLTS/PH	MCA	OCP		
AHU-1	AIR HANDLER	1.5	UPFLOW	600	-	5	-	-	-	208/1	33	35-2	1, 3	
AHU-2	AIR HANDLER	1.5	UPFLOW	600	-	5	-	-	-	208/1	33	35-2	2, 3	
AHU-3	AIR HANDLER	4.0	UPFLOW	1600	-	10	-	-	-	208/1	51	60-2	2, 3	
AHU-4	AIR HANDLER	2.0	UPFLOW	800	-	5	-	-	-	208/1	33	35-2	2, 3	
AHU-5	AIR HANDLER	3.0	HORIZONTAL	1200	-	10	-	-	-	208/1	51	60-2	2, 3	
AHU-6	AIR HANDLER	5.0	HORIZONTAL	2000	-	15	-	-	-	208/1	51, 33	35-2, 60-2	2, 3	
AHU-7	AIR HANDLER	4.0	HORIZONTAL	1600	-	10	-	-	-	208/1	51	60-2	2, 3	
AHU-8	AIR HANDLER	1.5	HORIZONTAL	600	-	5	-	-	-	208/1	33	35-2	1, 3	
AHU-9	AIR HANDLER	2.5	HORIZONTAL	1000	-	10	-	-	-	208/1	51	60-2	1, 3	
AHU-10	AIR HANDLER	2.0	UPFLOW	800	-	5	-	-	-	208/1	33	35-2	2, 3	
AHU-11	AIR HANDLER	3.0	HORIZONTAL	1200	-	10	-	-	-	208/1	51	60-2	1, 3	
CU-1	CONDENSING UNIT	1.5	-	-	-	-	13.2	17.8	13	208/1	12	20	4, 5	
CU-2	CONDENSING UNIT	1.5	-	-	-	-	13.2	17.8	13	208/1	12	20	4, 5	
CU-3	CONDENSING UNIT	4.0	-	-	-	-	35.4	46.0	13	208/1	27	45	4, 5	
CU-4	CONDENSING UNIT	2.0	-	-	-	-	17.2	23.0	13	208/1	18	30	4, 5	
CU-5	CONDENSING UNIT	3.0	-	-	-	-	24.5	33.6	13	208/1	19	30	4, 5	
CU-6	CONDENSING UNIT	5.0	-	-	-	-	41.0	57.0	13	208/1	33	50	4, 5	
CU-7	CONDENSING UNIT	4.0	-	-	-	-	35.4	46.0	13	208/1	27	45	4, 5	
CU-8	CONDENSING UNIT	1.5	-	-	-	-	13.2	17.8	13	208/1	12	20	4, 5	
CU-9	CONDENSING UNIT	2.5	-	-	-	-	21.5	28.4	13	208/1	17	25	4, 5	
CU-10	CONDENSING UNIT	2.0	-	-	-	-	17.2	23.0	13	208/1	18	30	4, 5	
CU-11	CONDENSING UNIT	3.0	-	-	-	-	24.5	33.6	13	208/1	19	30	4, 5	
NOTES: 1. PROVIDE & INSTALL 7 DAY PROGRAMMABLE LOCAL THERMOSTAT. COORDINATE EXACT MOUNTING LOCATION WITH OWNER. 2. PROVIDE & INSTALL DIRECT DIGITAL SENSOR CONNECTED TO BAS WITH TEMPERATURE & HUMIDITY READOUTS/SETPOINTS. 3. INCLUDE CORROSION RESISTANT DRAIN PAN WITH OVERFLOW SWITCH W/ WIRID TO SHUT DOWN UNIT. 4. WITH FACTORY LAIL GUARD. 5. LOW AMBIENT PACKAGE FOR OPERATION TO 0° F.														

AIR DEVICE SCHEDULE						
TAG	SERVICE	MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	SIZE	COLOR / FINISH	NOTES
E1	EXHAUST	PRICE	530	AS INDICATED	WHITE	
I2	EXHAUST	PRICE	80	AS INDICATED	WHITE	
L1	OA	-	-	-	-	SEE ARCHITECTURAL
R1	RETURN	PRICE	80	AS INDICATED	WHITE	
R2	RETURN	PRICE	530	AS INDICATED	WHITE	
R3	RETURN	PRICE	SDR	48"L x (8) SLOT	WHITE	WITH SDB PLENUM
S1	SUPPLY	PRICE	520		WHITE	
S2	SUPPLY	PRICE	SPD	24x24	WHITE	
S3	SUPPLY	PRICE	SDS100	36"L x (1) SLOT	WHITE	WITH SDB PLENUM
S4	SUPPLY	PRICE	SDS100	48"L x (4) SLOT	WHITE	WITH SDB PLENUM
NOTES: 1. VERIFY AIR DEVICE FINISHES WITH OWNER/ARCHITECT PRIOR TO INSTALLATION						

STATE OF MISSOURI

JAMES P. WATSON

James P. Watson

NUMBER

PE-2015017071

PROFESSIONAL ENGINEER

James Watson, P.E. November 1, 2023
PE-2015017071
MO Certificate of Authority # 2018029680

J-SQUARED

ENGINEERING

2400 Bluff Creek Drive, Suite 101
Columbia, Missouri 65201
573 - 234 - 4492 phone
www.j-squaredeng.com

J2 PROJECT No:	J21006
J2 DESIGN:	ACW

ISSUE TITLE	DATE
CITY SUBMISSION	11 / 01 / 2023

Mechanical - Electrical - Plumbing Design Drawings for

Towneplace Suites By Marriott

1810 Northeast Douglas St.
Lee's Summit, Missouri 64064

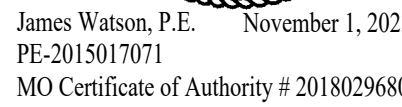
AHU APPROVAL STAMP

SHEET TITLE

HVAC SCHEDULES

SHEET NUMBER

M601



J2 DESIGN: ACW

CITY SUBMISSION | 11 / 01 / 202

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HVAC SCHEDULES

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BUILDING CONTROLS SYSTEM SCHEDULE												
EQUIPMENT DETAILS			CONTROL SYSTEM			CONTROLS INTERFACE						
EQUIPMENT (SEE PLANS)	DESCRIPTION	LOCATION	BUILDING AUTOMATION SYSTEM (BAS)	GUESTROOM MANAGEMENT SYSTEM (GRMS)	GUESTROOM CONTROLLER	GUESTROOM CONTROLLER	CONTROLS INTEGRATED TO BAS	LOCAL OCCUPANT CONTROL	DISPLAY (TEMP / RH)	TEMPERATURE CONTROL	HUMIDITY CONTROL	
AHU-1 / CU-1	AIR HANDLING UNIT / REMOTE CONDENSING UNIT	MECHANICAL ROOM	X	-	-	-	X	NO	NO	X	-	
AHU-2 / CU-2	AIR HANDLING UNIT / REMOTE CONDENSING UNIT	FLEX SPACE	X	-	-	-	X	NO	YES	X	X	
AHU-3 / CU-3	AIR HANDLING UNIT / REMOTE CONDENSING UNIT	COMMUNITY SPACE	X	-	-	-	X	NO	NO	X	X	
AHU-4 / CU-4	AIR HANDLING UNIT / REMOTE CONDENSING UNIT	CORRIDORS	X	-	-	-	X	NO	YES	X	X	
AHU-5 / CU-5	AIR HANDLING UNIT / REMOTE CONDENSING UNIT	KITCHEN	X	-	-	-	X	NO	YES	X	X	
AHU-6 / CU-6	AIR HANDLING UNIT / REMOTE CONDENSING UNIT	FITNESS CENTER	X	-	-	-	X	NO	YES	X	X	
AHU-7 / CU-7	AIR HANDLING UNIT / REMOTE CONDENSING UNIT	COMMUNITY SPACE	X	-	-	-	X	NO	YES	X	X	
AHU-8 / CU-8	AIR HANDLING UNIT / REMOTE CONDENSING UNIT	WORK ROOM	X	-	-	-	X	64° - 77°	NO	X	-	
AHU-9 / CU-9	AIR HANDLING UNIT / REMOTE CONDENSING UNIT	MEETING ROOM	X	-	-	-	X	64° - 77°	YES	X	X	
AHU-10 / CU-10	AIR HANDLING UNIT / REMOTE CONDENSING UNIT	CORRIDORS	X	-	-	-	X	NO	YES	X	X	
AHU-11 / CU-11	AIR HANDLING UNIT / REMOTE CONDENSING UNIT	BREAK / LAUNDRY	X	-	-	-	X	NO	NO	X	-	
FCU-1	MINI-SPLIT FAN COIL UNIT	IT ROOM (FLOORS 2, 3, & 4)	X	-	-	-	X	NO	YES	X	-	
HP-1	MINI-SPLIT HEAT PUMP	IT ROOM (FLOORS 2, 3, & 4)	X	-	-	-	X	NO	YES	X	-	
DOAS-1	DEDICATED OUTSIDE AIR SYSTEM WITH ENERGY RECOVERY	ROOF (WEST)	X	-	-	-	X	NO	YES	X	X	
DOAS-2	DEDICATED OUTSIDE AIR SYSTEM WITH ENERGY RECOVERY	ROOF (EAST)	X	-	-	-	X	NO	YES	X	X	
PTAC-1	PACKAGED TERMINAL AIR CONDITIONER	GUEST ROOMS	X	X	X	X	X	64° - 77°	X	X	X	
PTAC-2	PACKAGED TERMINAL AIR CONDITIONER	GUEST ROOMS	X	X	X	X	X	64° - 77°	X	X	X	
WH-1	WATER HEATER (MULTIPLE)	MECHANICAL ROOM	X	-	-	-	X	YES	X	X	-	
RP-1	HOT WATER RECIRCULATION PUMP	MECHANICAL ROOM	X	-	-	-	X	YES	X	X	-	
HWMS-1	HOT WATER MIXING STATION	MECHANICAL ROOM	X	-	-	-	X	YES	X	X	-	
INTERIOR LIGHTING	LIGHTING CONTROL SYSTEM	SEE LIGHTING CONTROL SCHEDULE	X	-	-	-	X	-	-	-	-	
EXTERIOR LIGHTING	LIGHTING CONTROL SYSTEM	SEE LIGHTING CONTROL SCHEDULE	X	-	-	-	X	-	-	-	-	
BUILDING AUTOMATION SYSTEM (BAS) NOTES:												
1. BUILDING AUTOMATION SYSTEM TO CONSIST OF HIGH-SPEED, PEER-TO-PEER NETWORK OF DDC CONTROLLERS, A CONTROL SYSTEM SERVER, AND WEB-BASED OPERATOR INTERFACE.												
2. CONTROL PANELS CONTAINING OUTSTATIONS SHALL HAVE FACILITY OF EXTERNAL CONNECTION FOR LAPTOP CONNECTION TO ENABLE SET POINT ADJUSTMENT LOCALLY.												
3. ANALOG INPUTS SHALL HAVE AT LEAST ONE HIGH AND ONE LOW ALARM SETTING TO PROVIDE A LARM MONITORING. ALL COMMANDS SHALL HAVE AT LEAST ONE STATUS POINT. PROVIDE FULL COLOR INTERACTIVE GRAPHICS TO ALLOW POINTS TO BE DISPLAYED, TOGETHER WITH CONTROL SET POINTS AND REAL TIME VALUES.												
4. SYSTEM SHALL HAVE ABILITY FOR ON/OFF SITE NETWORKING, AND FOR INTERFACE WITH GUESTROOM MANAGEMENT SYSTEM AND GUESTROOM CONTROLLERS.												
5. SYSTEM SHALL INCLUDE UNINTERRUPTED POWER SUPPLY SYSTEM TO PROVIDE 4 HOURS OF SYSTEM RUNTIME IN THE EVENT OF POWER FAILURE.												
6. SYSTEM SHALL INCLUDE A SUPERVISOR, COMPRISING CENTRAL PROCESSOR UNIT (CPU), COLOR MONITOR, KEYBOARD, AND COLOR PRINTER. SUPERVISOR SHALL BE CONFIGURED WITH LAST TEST WINDOW'S OPERATING SYSTEM AND LASTEST BAS OPERATIONAL SOFTWARE, INCLUDING FULL GRAPHICAL INTERFACE. 10% SPARE OUTSTATION CAPACITY SHALL BE PROVIDED BACKED UP BY EQUIVALENT SPARE MEMORY WITHIN CPU.												
6.1. SYSTEM COMPUTER HARDWARE ARE SHALL MEET OR EXCEED DDC SYSTEM MANUFACTURERS' RECOMMENDED SPECIFICATIONS. HARDWARE SHALL HAVE A HARD DISK WITH SUFFICIENT MEMORY TO STORE ALL REQUIRED OPERATOR WORKSTATION SOFTWARE, A DDC DATABASE AT LEAST TWICE THE SIZE OF THE DELIVERED SYSTEM DATABASE, AND ONE YEAR OF TREND DATA BASED ON POINTS SPECIFIED TO BE STORED AT THEIR SPECIFIED TREND INTERVALS.												
6.2. SYSTEM CONFIGURATION: MINIMUM HARDWARE CONFIGURATION SHALL INCLUDE DUAL OR QUAD-CORE PROCESSOR, 6GB RAM, 300GB HARD DISK PROVIDING DATA AT 3.0 GB/SEC., 16x DVD-RW DRIVE, AND SERIAL, PARALLEL, AND NETWORK COMMUNICATION PORTS AND CABLES AS REQUIRED FOR PROPER DDC SYSTEM OPERATION.												
7. SYSTEM SOFTWARE: SOFTWARE BASED ON SERVER/THIN CLIENT ARCHITECTURE, DESIGNED AROUND OPEN STANDARDS OF WEB TECHNOLOGY. CONTROL SYSTEM SERVER SHALL BE ACCESSED USING WEB BROWSER OVER THE CONTROL SYSTEM NETWORK, AND THE INTERNET. THE THIN-CLIENT ARCHITECTURE PROVIDES OPERATORS COMPLETE ACCESS TO CONTROL SYSTEM TO ACCESS GRAPHICS, POINT DISPLAYS, AND TRENDS, CONFIGURE TRENDS, CONFIGURE POINTS AND CONTROLLERS, OR TO DOWNLOAD PROGRAMMING INTO THE CONTROLLERS.												
7.1. OPERATING SYSTEM: WEB SERVER OR WORKSTATION SHALL HAVE AN INDUSTRY-STANDARD PROFESSIONAL-GRADE OPERATING SYSTEM THAT MEETS OR EXCEEDS THE DDC SYSTEM MANUFACTURERS' MINIMUM REQUIREMENTS FOR THEIR SOFTWARE.												
7.2. SYSTEM GRAPHICS: OPERATOR INTERFACE SOFTWARE SHALL BE GRAPHICALLY BASED THAT CAN BE MODIFIED OR EDITED BY THE END USER WITH MINIMAL TRAINING. SOLUTIONS THAT REQUIRE VENDOR SUPPORT ARE UNACCEPTABLE. INTERFACE SHALL INCLUDE AT LEAST ONE GRAPHIC PER PIECE OF EQUIPMENT OR OCCUPIED ZONE. GRAPHICS FOR EACH CHILLED WATER AND HOT WATER SYSTEM, AND GRAPHICS THAT SUMMARIZE CONDITIONS ON EACH FLOOR. INDICATE THERMAL ZONE COMFORT ON FLOOR PLAN SUMMARY GRAPHICS USING COLORS TO REPRESENT ZONE TEMPERATURE RELATIVE TO ZONE SETPOINT.												
7.3. SYSTEM PROTOCOL: SYSTEM SHALL USE BACNET OPEN NON-PROPRIETARY PROTOCOL FOR COMMUNICATION TO OPERATOR WORKSTATION OR WEB SERVER AND FOR COMMUNICATION BETWEEN CONTROL MODULES I/O POINTS, SCHEDULES, SETPOINTS, TRENDS, AND ALARMS SPECIFIED IN SEQUENCE OF OPERATIONS FOR HVAC CONTROLS SHALL BE BACNET OBJECTS.												
8. SYSTEM COMMUNICATION: WEB SERVER OR WORKSTATION AND CONTROLLERS SHALL COMMUNICATE USING BACNET PROTOCOL AND BACKBONE SHALL COMMUNICATE USING ISO 8802-3 (ETHERNET) DATA LINK/PHYSICAL LAYER PROTOCOL AND BACNET/IP ADDRESSING AS SPECIFIED IN ANSI/ASHRAE 135-2016, BACNET ANNEX J.												
9. MANUFACTURERS THAT CURRENTLY PROVIDE ACCEPTABLE PRODUCTS INCLUDE (BUT ARE NOT LIMITED TO): AUTOMATED LOGIC, TRANE, SIEMENS, SCHNEIDER ELECTRIC, JOHNSON, HONEYWELL.												
10. ACCEPTANCE TESTING PRIOR TO OCCUPANCY, A ACCEPTANCE TESTING MUST BE PERFORMED BY A THIRD-PARTY ACCEPTANCE OR COMMISSIONING AGENT, NOT CONNECTED WITH PRIME, MECHANICAL, OR ELECTRICAL CONTRACTOR.												
10.1 ACCEPTANCE TESTING MUST TEST, VERIFY, AND DOCUMENT FUNCTIONAL PERFORMANCE, ADJUSTMENTS, SETTINGS, CALIBRATION, AND PROGRAMMING OF ALL SYSTEMS, EQUIPMENT AND DEVICES, FURNISHED AND INSTALLED AS PART OF BUILDING DESIGN TO ENSURE PROPER AND EFFICIENT OPERATION PER MANUFACTURERS' AND ENGINEERS' SPECIFICATIONS, RATINGS, AND CAPACITIES.												
10.2 ACCEPTANCE TESTING LEVEL: AS DEFINED BY ASHRAE GUIDELINE 202-2018 (COMMISSIONING PROCESS) AND INCLUDE REQUIRED PRE-START, START-UP, AND VERIFICATION CHECKLISTS. ADDITIONAL DOCUMENTATION WATER TEST AND BALANCE REPORTS, OPERATING AND MAINTENANCE MANUALS, HIGHLIGHTED MANUFACTURER CUTSHEETS, RECORD AS-BUILT DOCUMENTS IN PDF FORMAT, AND WARRANTIES ON ALL EQUIPMENT.												
11. SYSTEM SHALL MONITOR/CONTROL ALL AVAILABLE UTILIZED POINTS FOR ALL EQUIPMENT SHOWN ABOVE.												
12. SYSTEM SHALL MONITOR/CONTROL THE FOLLOW CRITICAL NON-HVAC SYSTEMS: OUTDOOR AIR TEMPERATURE, OUTDOOR RELATIVE HUMIDITY, INDOOR RELATIVE HUMIDITY, BUILDING STATIC PRESSURE TO REGULATE OA, INTERIOR/EXTERIOR LIGHTING AND CONTROLS, ELECTRICAL METER AND SUBMETERS, WATER METER AND SUBMETERS, GAS METER.												
GUESTROOM MANAGEMENT SYSTEM (GRMS) NOTES:												
1. GUESTROOM MANAGEMENT SYSTEM SHALL BE FULLY NETWORKED AND INTEGRATE WITH BAS, INCLUDE HOTEL OPERATOR CONSOLE AT RECEPTION DESK, SYSTEM MAY BE WIRED OR WIRELESS.												
2. GUESTROOM MANAGEMENT SYSTEM INTEGRATOR IS REQUIRED FOR PROPER SYSTEM FUNCTION.												
2.1 GRMS SYSTEM INTEGRATOR SHALL DEMONSTRATE ABILITY TO INTEGRATE ALL ASPECTS OF GUESTROOM FUNCTIONALITY INCLUDING HVAC, REF ID LOCK, LIGHTING CONTROLS, AND OTHER GUEST AMENITIES AS REQUIRED.												
2.2 GRMS SYSTEM INTEGRATOR SHALL ENSURE THAT ALL SERVER-TO-SERVER INTERFACES ARE ESTABLISHED AND OPERATIONAL FOR COMPLETE INTEROPERABILITY BETWEEN GUESTROOM FUNCTIONS AND BAS AND GRMS.												
2.3 GRMS SYSTEM INTEGRATOR SHALL OFFER FULL MAINTENANCE AND SERVICE AGREEMENT FOR PROJECT.												
3. GUESTROOM MANAGEMENT SYSTEM MANUFACTURERS SHALL CONFORM TO THE PERFORMANCE CRITERIA ABOVE. MANUFACTURERS THAT CURRENTLY PROVIDE ACCEPTABLE PRODUCTS INCLUDE (BUT ARE NOT LIMITED TO): TELKOMNET, INCCOM (HONEYWELL), LUTRON, SCHNEIDER ELECTRIC, INTEREL.												
GUESTROOM CONTROLLER SYSTEM NOTES:												
1. GUESTROOM CONTROLLER SHALL DETERMINE OCCUPANCY TO DETERMINE ROOM MANAGEMENT SEQUENCE.												
1.1 GUESTROOM CONTROLLER SHALL BE LOCATED ON GUESTROOM SIDE OF BATHROOM WALL, SUCH THAT OCCUPANCY SENSOR FACES INTO SLEEPING AREA.												
1.2 GUESTROOM CONTROLLER SHALL ALLOW FOR OCCUPANCY BASED MASTER LIGHTING RELAY CONTROL AND INTEGRATE WITH GUESTROOM ENTRY DOOR LOCK. KEY CARD SLOTS SHALL NOT BE ALLOWED.												
1.3 GUESTROOM CONTROLLER SHALL CONTROL HVAC SYSTEM, HUMIDITY AND GUESTROOM LIGHTING.												



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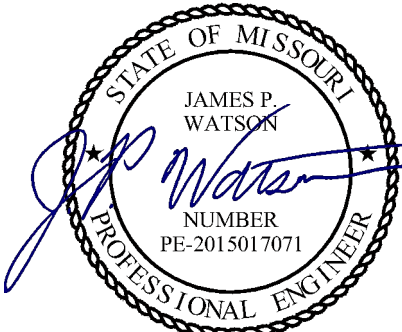
2400 Bluff Creek Drive, Suite 101
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J2 PROJECT No: J21006

J2 DESIGN: ACW

ISSUE TITLE DATE

CITY SUBMISSION 11 / 01 / 2023



James Watson, P.E. November 1, 2023
PE-2015017071
MO Certificate of Authority # 2018029680



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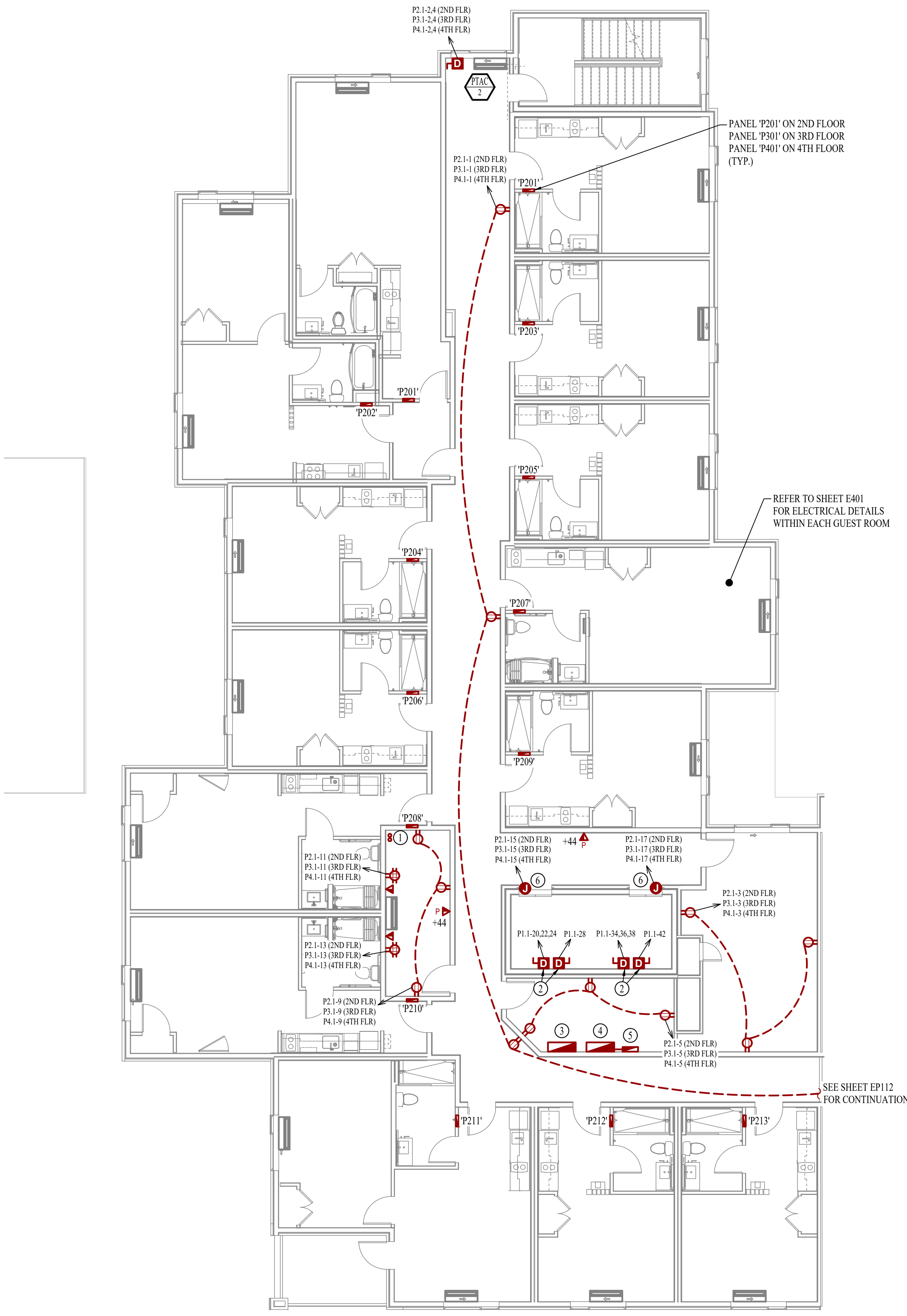
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POWER PLAN - 2ND-4TH FLOORS - AREA A
SCALE: 1/8" = 1'-0"

POWER PLAN SYMBOL LEGEND

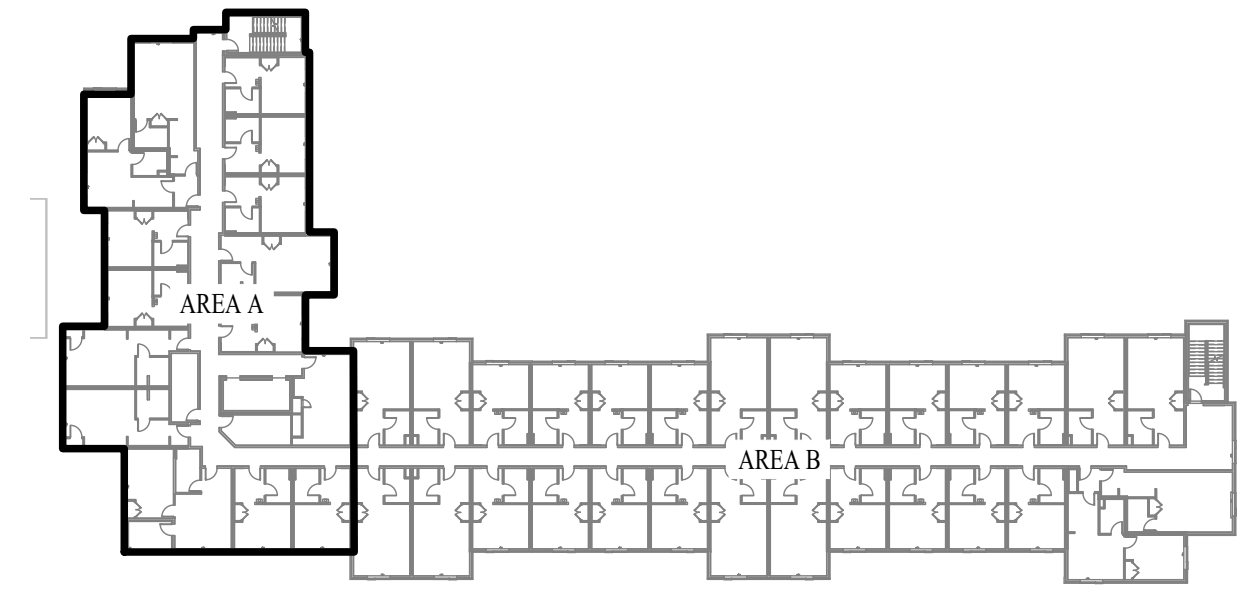
- CIRCUIT WIRING
- CIRCUIT TAG
- JUNCTION BOX
- RECEPTACLE
INDICATES MOUNTING HEIGHT TO BOTTOM OF BOX
(STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
"WP" = WEATHERPROOF OUTDOOR RECEPTACLE
"AW" = ABOVE WINDOW RECEPTACLE
"AC" = ABOVE CEILING RECEPTACLE
"EX" = EXISTING RECEPTACLE TO REMAIN
"IG" = ISOLATED GROUND
- GFCI DUPLEX CONVENIENCE RECEPTACLE
- 208V RECEPTACLE
- QUADPLEX CONVENIENCE RECEPTACLE
- USB OUTLET
WITH USB-A & USB-C CHARGING PORT
- DATA / PHONE JACK
BOX WITH 1" CONDUIT & PULL STRING UP TO CEILING SPACE
(STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
TV = TELEVISION, P = PHONE
- WIRELESS ACCESS POINT, CEILING MOUNTED
- FLOOR RECEPTACLE
- FLOOR DATA
- DISCONNECT
- FUSED DISCONNECT
- FUSED SWITCH
- STARTER / DISCONNECT
- SPEAKER AS PART OF BACKGROUND MUSIC (BGM) SYSTEM;
REFER TO BRAND STANDARDS FOR SYSTEM DETAILS & REQUIREMENTS

POWER PLAN GENERAL NOTES:

- SEE SHEET E501 FOR ADDITIONAL ELECTRICAL NOTES, DETAILS, & SCHEDULES.

POWER PLAN KEY NOTES:

- PROVIDE & INSTALL (2) 3" CONDUITS FROM TELECOMMUNICATION DEMARICATIONS TO I.T. CLOSET, INTERCONNECT I.T. CLOSET(S) WITH (2) 3" CONDUITS BETWEEN EACH FLOOR.
- ELEVATOR DISCONNECT(S) LOCATED WITHIN SHAFT ON FOURTH FLOOR FOR ELEVATOR EQUIPMENT; COORDINATE EXACT LOCATION & DETAILS WITH ELEVATOR CONTRACTOR.
- PANEL 'P2A' ON 2ND FLOOR; PANEL 'P3A' ON 3RD FLOOR; PANEL 'P4A' ON 4TH FLOOR.
- PANEL 'P2B' ON 2ND FLOOR; PANEL 'P3B' ON 3RD FLOOR; PANEL 'P4B' ON 4TH FLOOR.
- PANEL 'P2.1' ON 2ND FLOOR; PANEL 'P3.1' ON 3RD FLOOR; PANEL 'P4.1' ON 4TH FLOOR.
- POWER FOR SMOKE CURTAIN; SEE ARCHITECTURAL DETAILS.



KEY PLAN
SCALE: 1" = 50 ft

Towneplace Suites By Marriott

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Lee's Summit, Missouri 64064

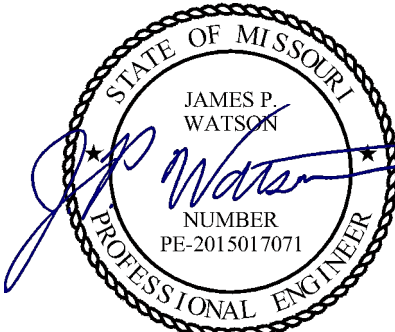
AHJ APPROVAL STAMP

SHEET TITLE

**POWER PLAN -
2ND-4TH FLOORS -
AREA A**

SHEET NUMBER

EP102



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PE-2015017071
MO Certificate of Authority # 2018029680



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J2 PROJECT No: J21006

J2 DESIGN: ACW

ISSUE TITLE DATE

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Lee's Summit, Missouri 64064

AHJ APPROVAL STAMP

SHEET TITLE

POWER PLAN -
2ND-4TH FLOORS -
AREA B

SHEET NUMBER

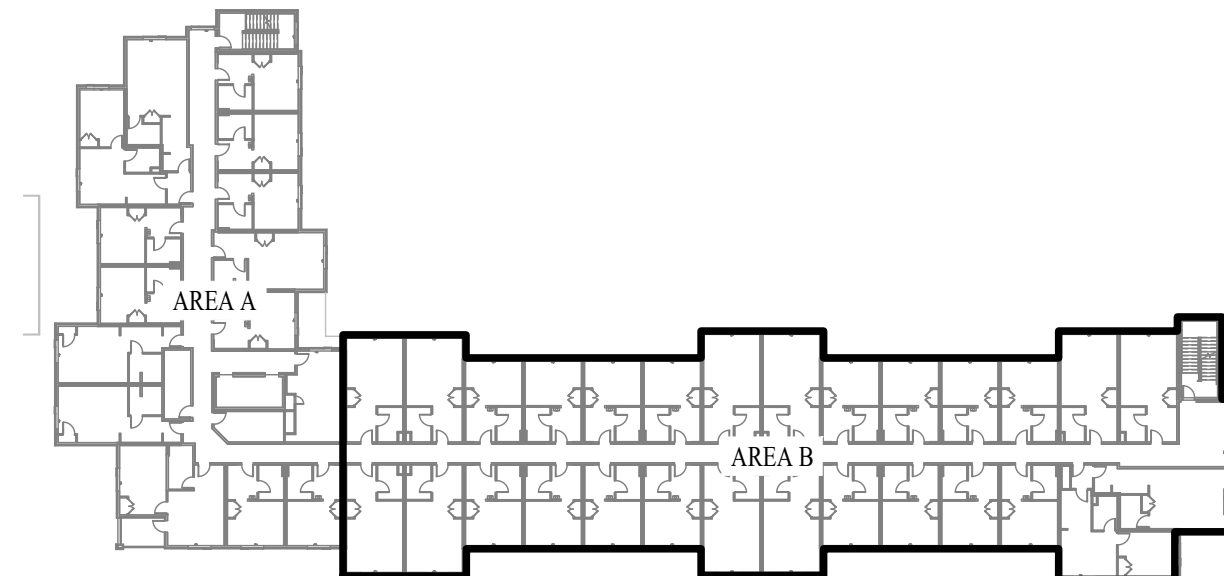
EP112

POWER PLAN SYMBOL LEGEND

- CIRCUIT WIRING
- CIRCUIT TAG
- JUNCTION BOX
- RECEPTACLE
INDICATES MOUNTING HEIGHT TO BOTTOM OF BOX
(STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
"WP" = WEATHERPROOF OUTDOOR RECEPTACLE
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- GFCI DUPLEX CONVENIENCE RECEPTACLE
- 208V RECEPTACLE
- QUADPLEX CONVENIENCE RECEPTACLE
- USB OUTLET
WITH USB-A & USB-C CHARGING PORT
- DATA / PHONE JACK
BOX WITH 1" CONDUIT & PULL STRING UP TO CEILING SPACE
(STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
TV = TELEVISION, P = PHONE
- WIRELESS ACCESS POINT, CEILING MOUNTED
- FLOOR RECEPTACLE
- FLOOR DATA
- DISCONNECT
- FUSED DISCONNECT
- FUSED SWITCH
- STARTER / DISCONNECT
- SPEAKER AS PART OF BACKGROUND MUSIC (BGM) SYSTEM;
REFER TO BRAND STANDARDS FOR SYSTEM DETAILS & REQUIREMENTS

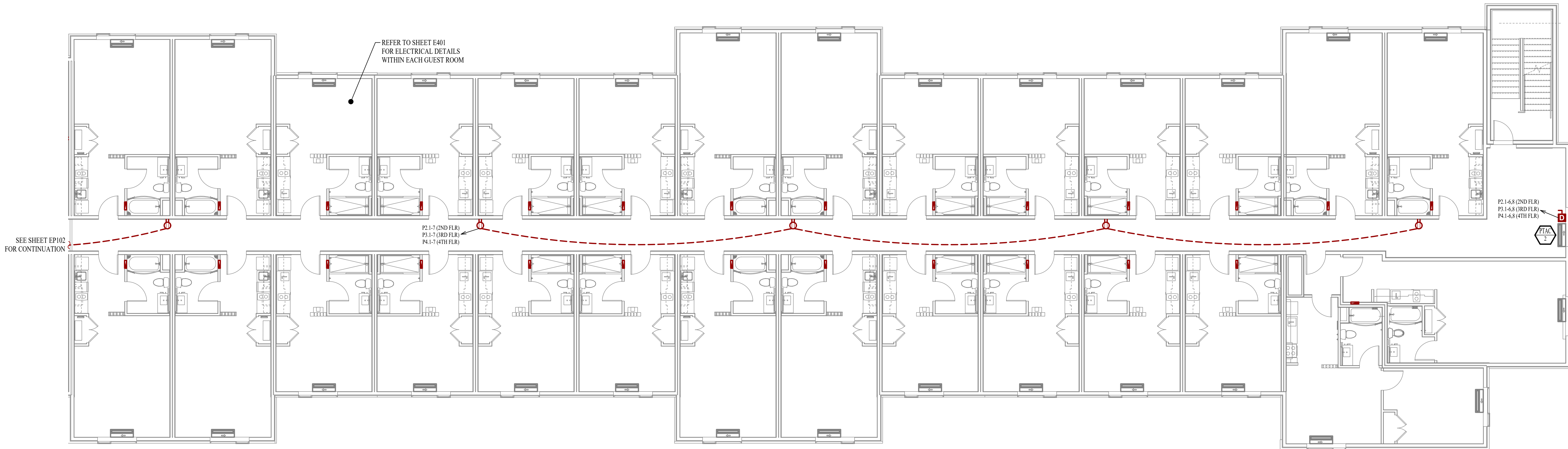
POWER PLAN GENERAL NOTES:

- SEE SHEET E501 FOR ADDITIONAL ELECTRICAL NOTES, DETAILS, & SCHEDULES.



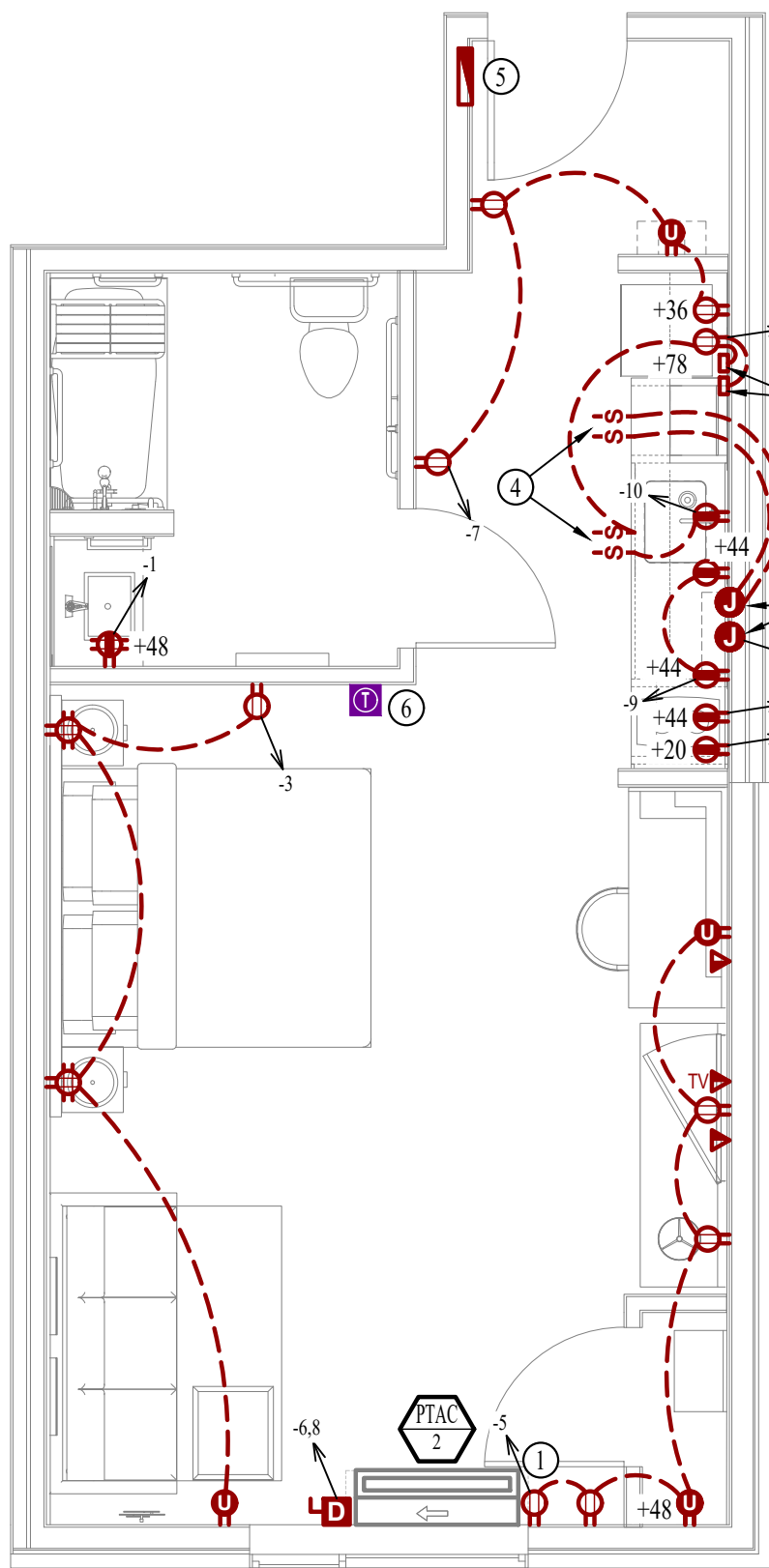
KEY PLAN

SCALE: 1" = 50 ft



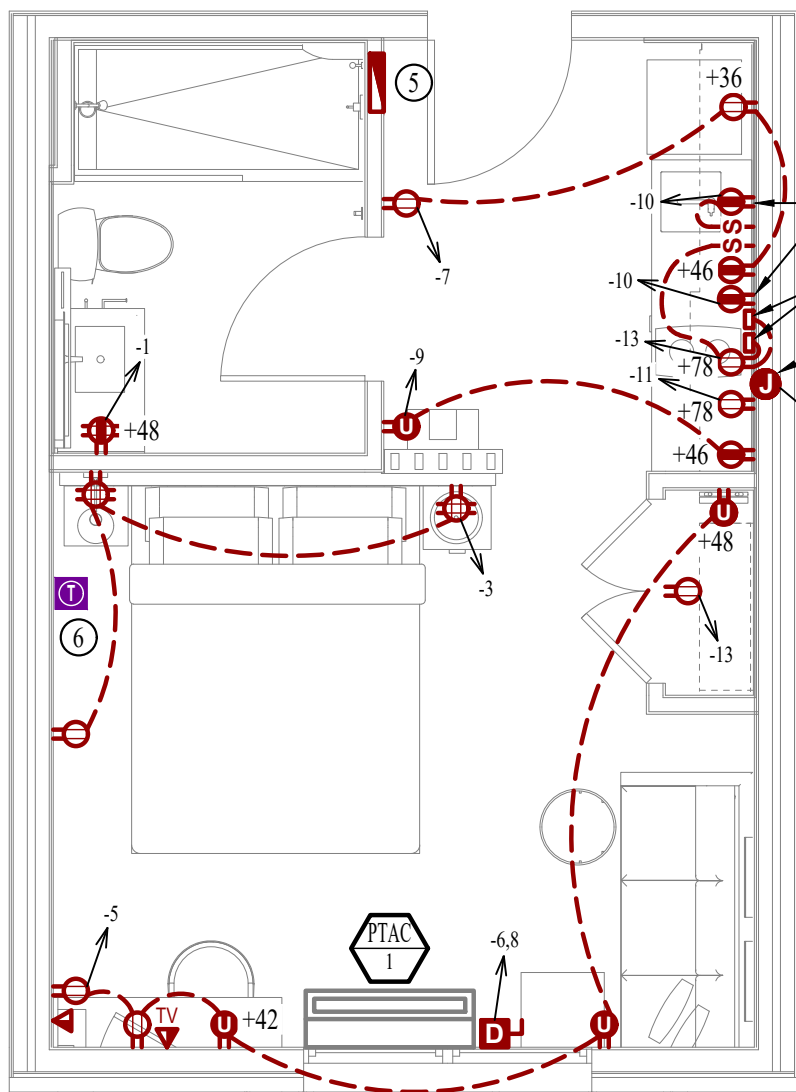
POWER PLAN - 2ND-4TH FLOORS - AREA B

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



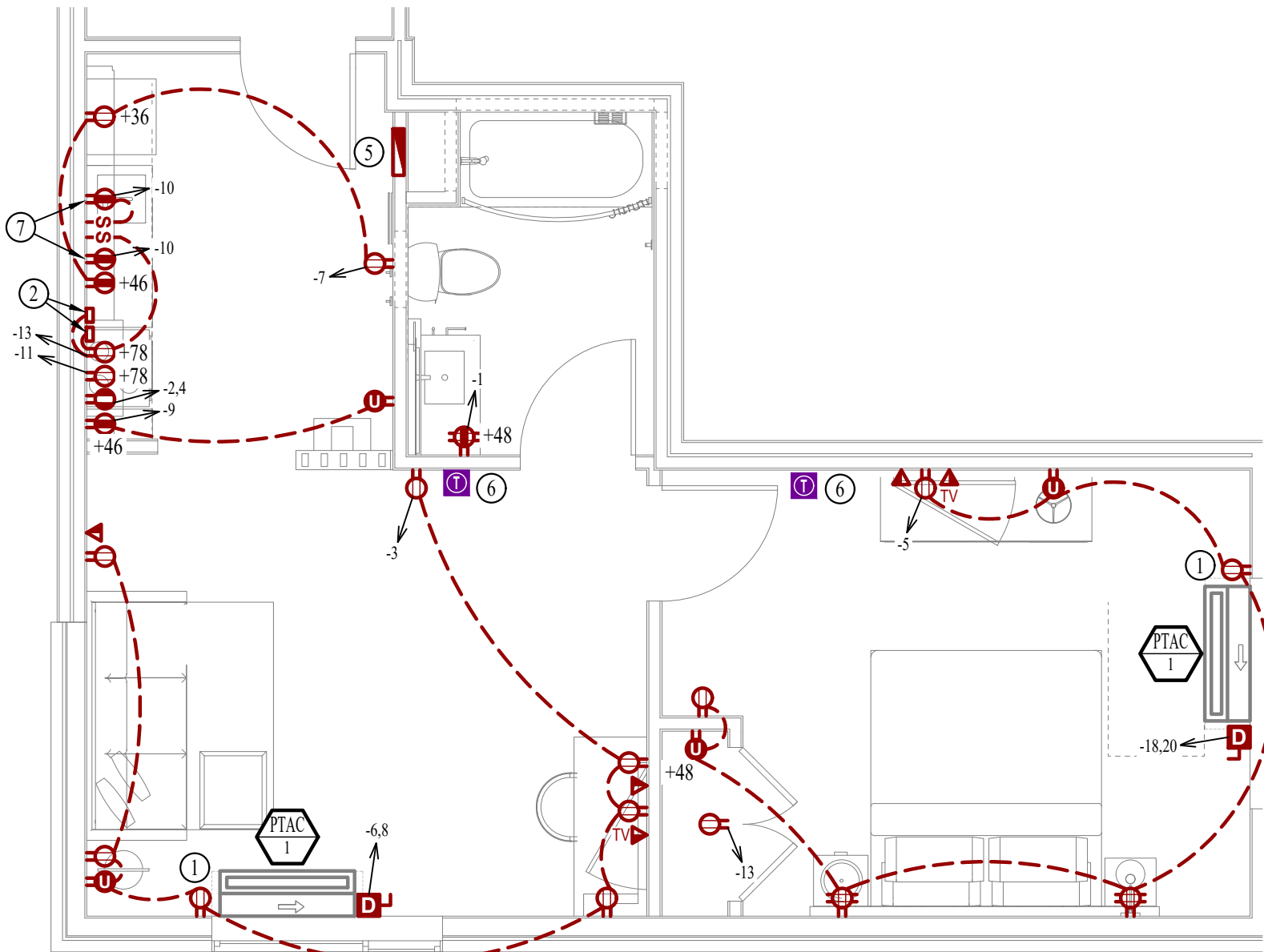
POWER PLAN - KING ACCESSIBLE

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



POWER PLAN - KING STUDIO

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



POWER PLAN - ONE BED KING

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

POWER PLAN SYMBOL LEGEND

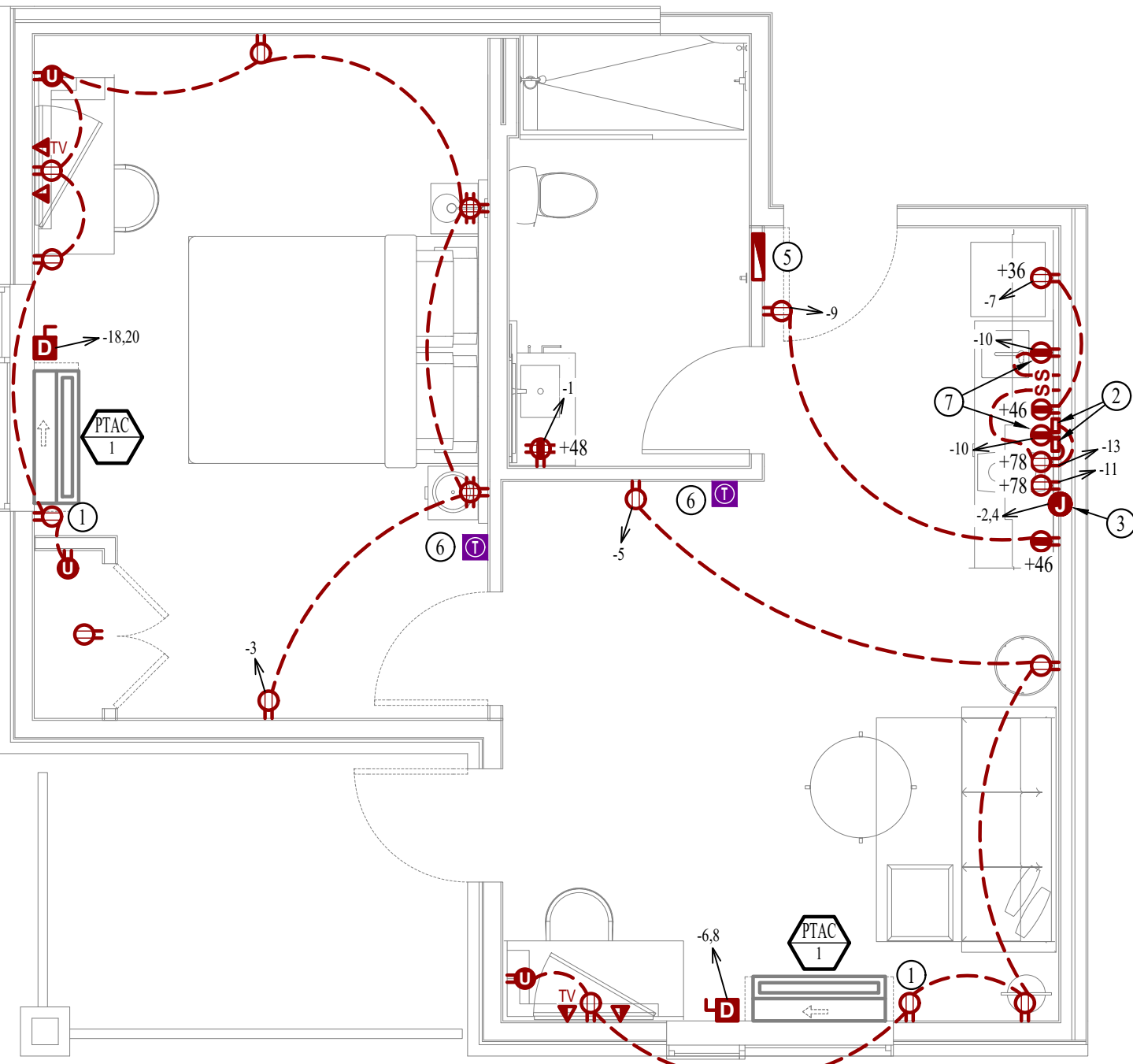
- CIRCUIT WIRING
- CIRCUIT TAG
- JUNCTION BOX
- RECEPTACLE
INDICATES MOUNTING HEIGHT TO BOTTOM OF BOX (STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
"WP" = WEATHERPROOF OUTDOOR RECEPTACLE
"AW" = ABOVE WINDOW RECEPTACLE
"AC" = ABOVE CEILING RECEPTACLE
"EX" = EXISTING RECEPTACLE TO REMAIN
- GFCI DUPLEX CONVENIENCE RECEPTACLE
- 208V RECEPTACLE
- QUADPLEX CONVENIENCE RECEPTACLE
- USB OUTLET WITH USB-A & USB-C CHARGING PORT
- DATA / PHONE JACK BOX WITH 1" CONDUIT & PULL STRING UP TO CEILING SPACE (STANDARD @ 18" AFF UNLESS NOTED OTHERWISE)
- WIRELESS ACCESS POINT, CEILING MOUNTED
- SMOKE DETECTOR WITH 520HZ LOW-FREQUENCY SOUNDER BASE

POWER PLAN GENERAL NOTES:

- COORDINATE ALL DEVICE AND EQUIPMENT LOCATIONS AND TYPES WITH ARCHITECT, OWNER, AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION. IN SOME CASES, RECEPTACLES WILL BE IN ACCESS PANELS.
- ALL TELECOMMUNICATION, DATA, TV, SECURITY WIRING, AND EQUIPMENT TO BE PROVIDED BY THE OWNER'S LOW VOLTAGE SYSTEM SUPPLIER.
- COMPLETE (1) UNIT OF EACH TYPE & OBTAIN OWNER'S APPROVAL BEFORE PROCEEDING TO OTHERS.
- DO NOT INSTALL OUTLETS BACK-TO-BACK EVEN IF ASSOCIATED WITH DIFFERENT SYSTEM. OFFSET BOXES TO PREVENT SOUND PASS-THRU AT ADJACENT UNIT WALLS.
- COORDINATE LOCATION OF SWITCH & RECEPTACLES IN GUEST ROOM BATHROOMS WITH MIRROR, VANITY BACKSPLASH, TOWEL HOLDER, ETC.
- COORDINATE ALL ELECTRICAL DEVICE MOUNTING HEIGHTS & LOCATIONS WITH ARCHITECTURAL PLANS.
- DOORBELL AND FIRE ALARM STROBES ARE ONLY REQUIRED IN HEARING IMPAIRED ROOMS.
- ALL 20 AMP, 120 VOLT, DUPLEX RECEPTACLES IN GUEST SUITS SHALL BE ARC FAULT PROTECTED AND TAMPER RESISTANT (TYP.)
- ELECTRICAL CONTRACTOR SHALL PROVIDE A RACEWAY FOR THERMOSTATS. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR.

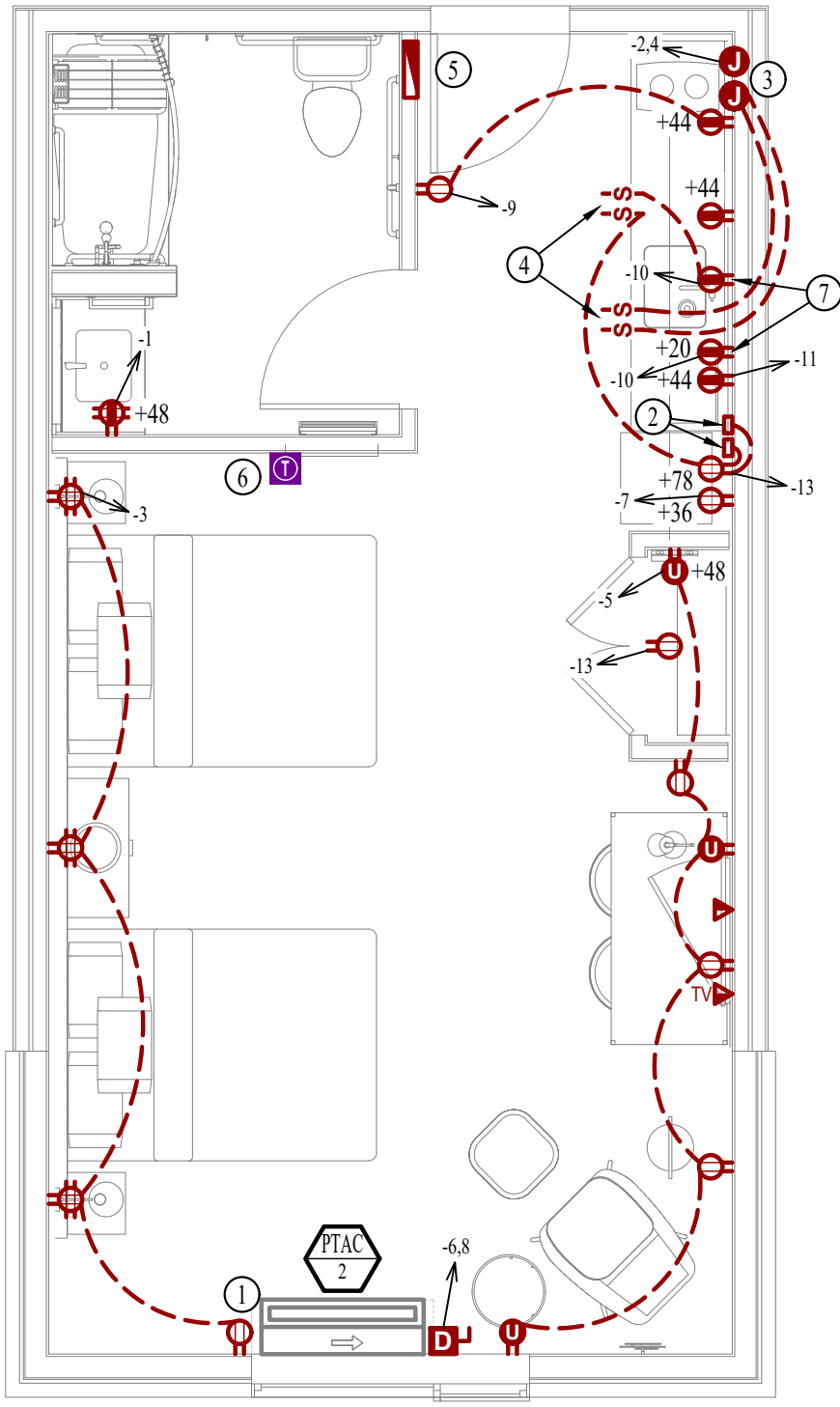
POWER PLAN KEY NOTES:

- POWER FOR SOLAR SHADE. COORDINATE EXACT LOCATION WITH EQUIPMENTS SUPPLIER/INSTALLER PRIOR TO ROUGH-IN.
- TRANSFORMERS FOR PUCK AND UNDERCABINET LIGHTS TO BE LOCATED IN UPPER CABINETS, BEHIND REMOVABLE CABINET PANEL. PROVIDE OUTLET IN THIS SPACE TO PLUG-IN TRANSFORMERS.
- JUNCTION BOX(ES) FOR RANGE HOOD/LIGHT & COOKTOP.
- SWITCH(ES) MOUNTED IN FACE OF MILLWORK. COORDINATE EXACT LOCATION & REQUIREMENTS WITH MILLWORK SUPPLIER/INSTALLER.
- REFER TO OVERALL ELECTRICAL PLANS FOR PANEL DETAILS ("PXXX").
- GUESTROOM CONTROLLER; SEE BUILDING CONTROL SYSTEM SCHEDULE FOR DETAILS.
- DISPOSAL OUTLET TO BE SWITCHED; DISHWASHER OUTLET TO BE UNSWITCHED.



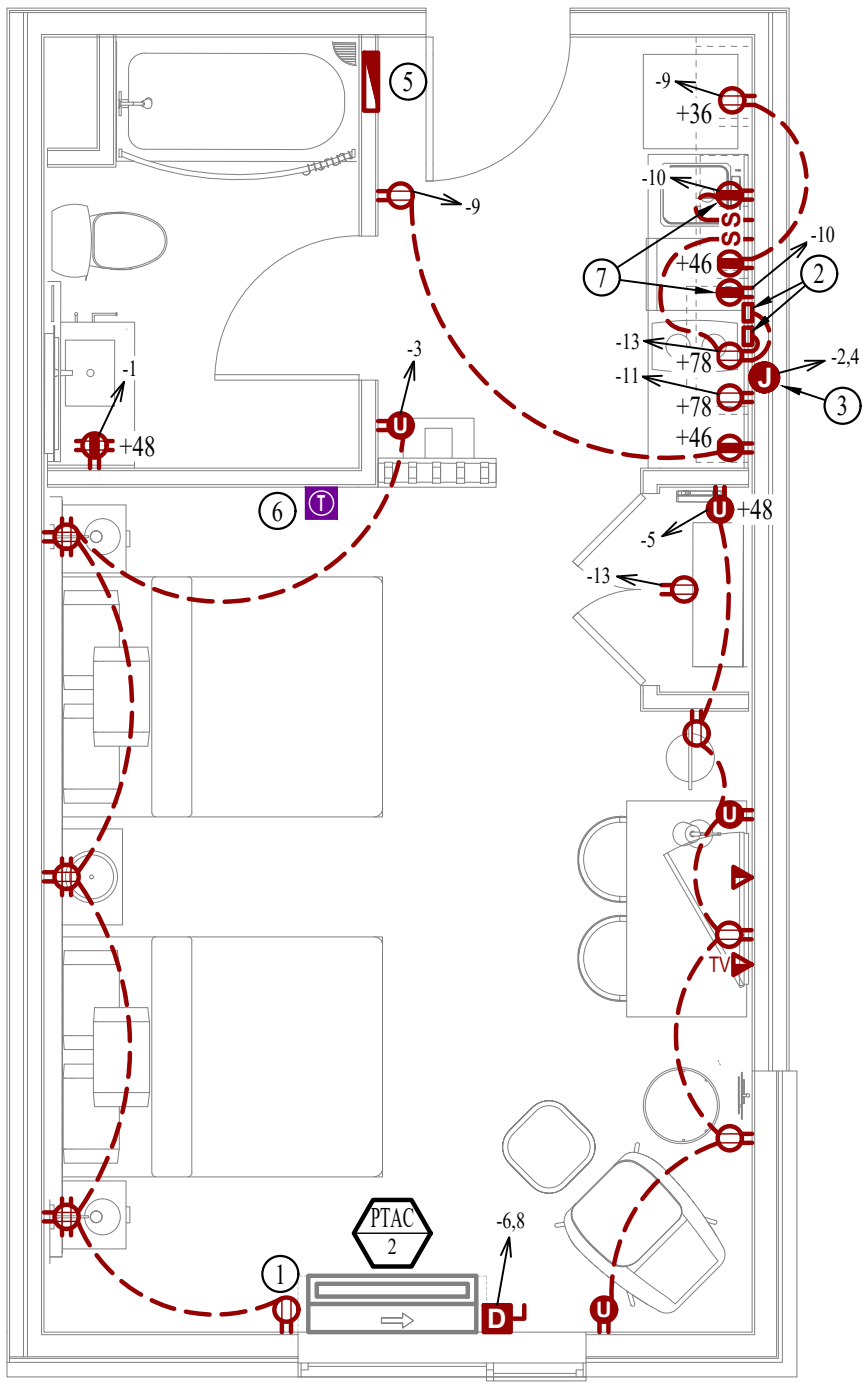
POWER PLAN - ONE BED KING W/ BALCONY

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



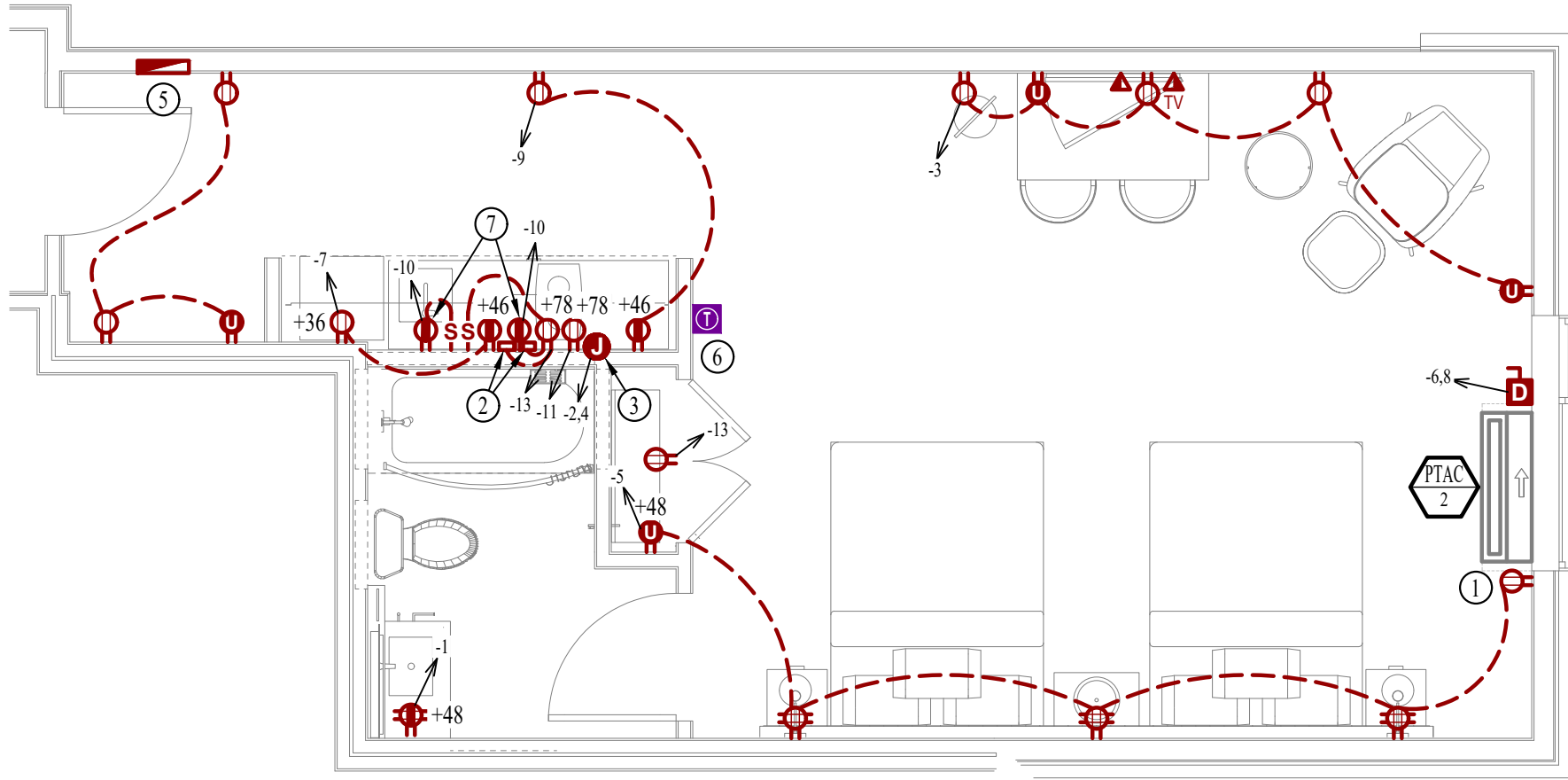
POWER PLAN - STUDIO DOUBLE QUEEN ACCESSIBLE

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



POWER PLAN - STUDIO DOUBLE QUEEN CENTER

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



POWER PLAN - STUDIO DOUBLE QUEEN END

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



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J2 PROJECT No: J21006

J2 DESIGN: ACW

ISSUE TITLE DATE

CITY SUBMISSION 11 / 01 / 2023

**LIGHTING PLAN
- 1ST FLOOR -
AREA A**

SHEET NUMBER

EL101

**LIGHTING PLAN
- 1ST FLOOR -
AREA A**

SHEET NUMBER

EL101

**LIGHTING PLAN
- 1ST FLOOR -
AREA A**

SHEET NUMBER

EL101



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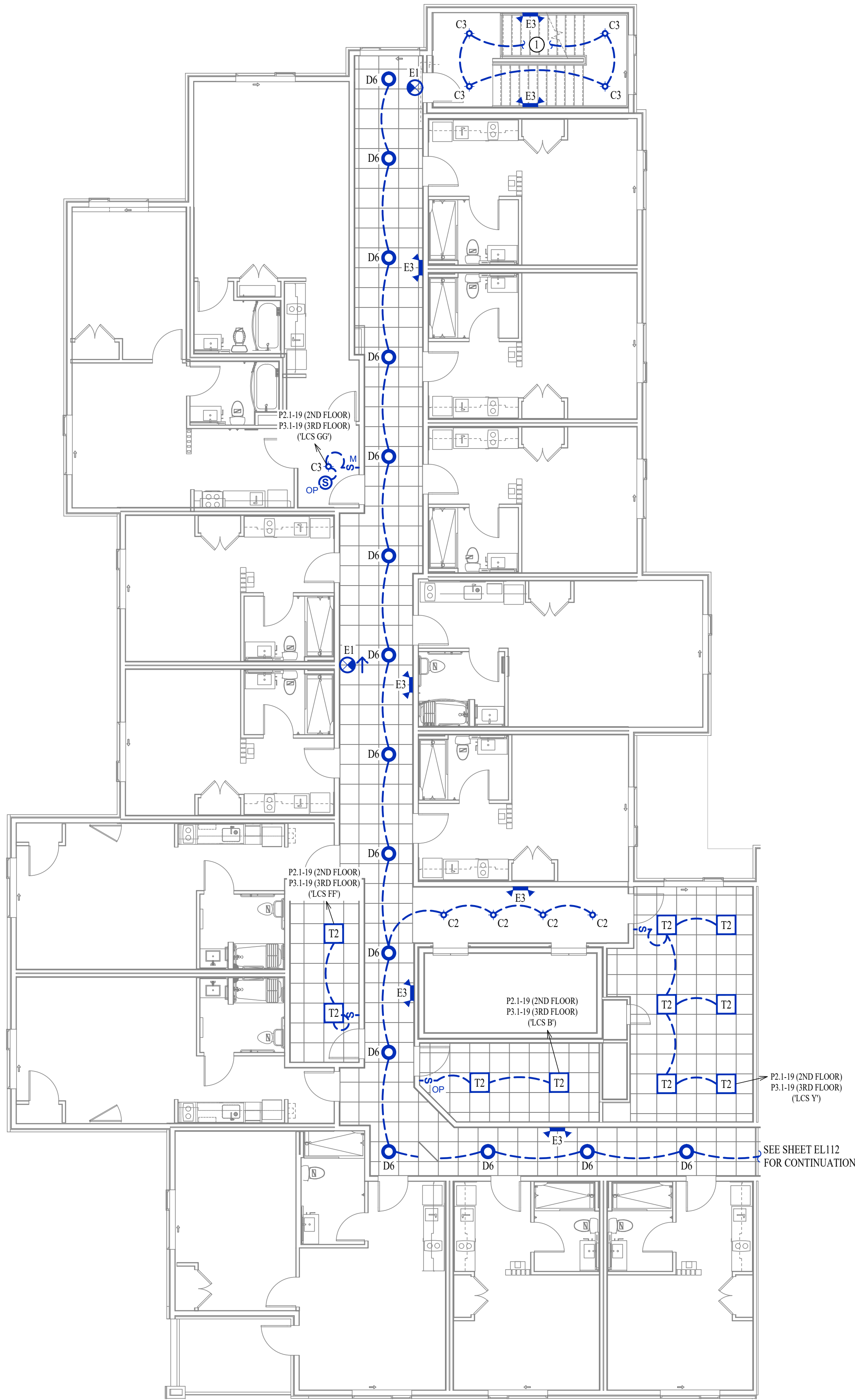
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J2 PROJECT No: J21006

J2 DESIGN: ACW

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LITHTING PLAN - 2ND & 3RD FLOOR - AREA A

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

LIGHTING PLAN SYMBOL LEGEND

- X1 — "X1" INDICATES FIXTURE TYPE (REFER TO SCHEDULE)
LIGHTING FIXTURE
EM — "EM" INDICATES EMERGENCY BATTERY BACKUP
NL — "NL" INDICATES UN-SWITCHED NIGHT LIGHT
- EXIT LIGHT
INDICATES REQUIRED REMOTE HEAD
- EMERGENCY EGRESS LIGHT
- SWITCH (WALL MOUNTED)
SWITCH TYPE:
• 3 = 3-WAY
• 4 = 4-WAY
• OP = PASSIVE INFRARED OCCUPANCY SENSOR
• OU = ULTRASONIC OCCUPANCY SENSOR
• OT = DUAL-TECHNOLOGY OCCUPANCY SENSOR
• VP = PASSIVE INFRARED VACANCY SENSOR
• VU = ULTRASONIC VACANCY SENSOR
• VT = DUAL-TECHNOLOGY VACANCY SENSOR
• M = MOMENTARY SWITCH
• SS = SCENE SWITCH
• K = KEYED SWITCH
- DIMMER SWITCH (WALL MOUNTED)
SWITCH TYPE:
• SEE "SWITCH (WALL MOUNTED)" FOR TYPE DESIGNATIONS
- SWITCH (CEILING MOUNTED)
SWITCH TYPE:
• SEE "SWITCH (WALL MOUNTED)" FOR TYPE DESIGNATIONS
- POWER PACK

OCCUPANCY SENSOR

- AUTO FULL-ON (OR 50% IF NOTED)
- AUTOMATICALLY TURN OFF LIGHTING AFTER 20 MINUTES WITHOUT OCCUPANT DETECTION
- WITH MANUAL OVERRIDE CONTROL (IF NOTED)

VACANCY SENSOR

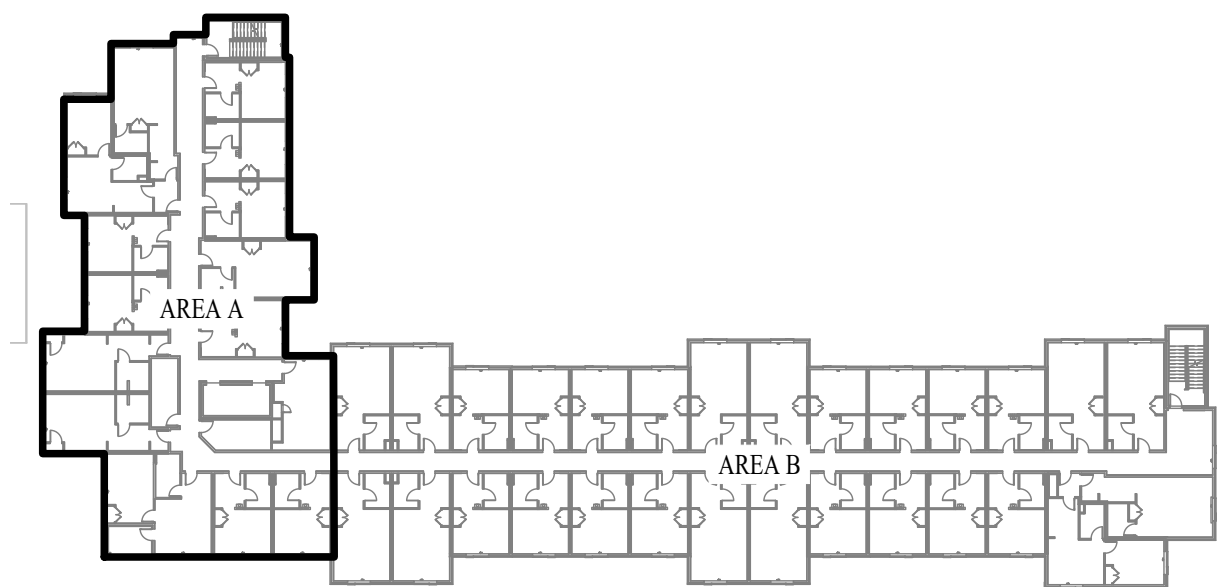
- MANUAL FULL-ON
- AUTOMATICALLY TURN OFF LIGHTING AFTER 20 MINUTES WITHOUT OCCUPANT DETECTION
- WITH MANUAL OVERRIDE CONTROL (IF NOTED)

LIGHTING PLAN GENERAL NOTES:

- SEE SHEET E501 FOR ADDITIONAL ELECTRICAL NOTES, DETAILS, & SCHEDULES.
- OCCUPANCY / VACANCY SENSOR QUANTITIES AND GENERAL LOCATIONS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE AND INSTALL SENSOR WITH SPACING PER MANUFACTURER SPECIFICATIONS AND INCLUDE ADDITIONAL SENSORS IF NECESSARY. CEILING-MOUNTED SENSORS SHALL BE INSTALLED WITHIN MANUFACTURE'S ACCEPTABLE MOUNTING HEIGHT RANGE.

LIGHTING PLAN KEY NOTES:

- CIRCUIT CONTINUES TO LEVEL ABOVE/BELOW.



KEY PLAN

SCALE: 1" = 50 ft

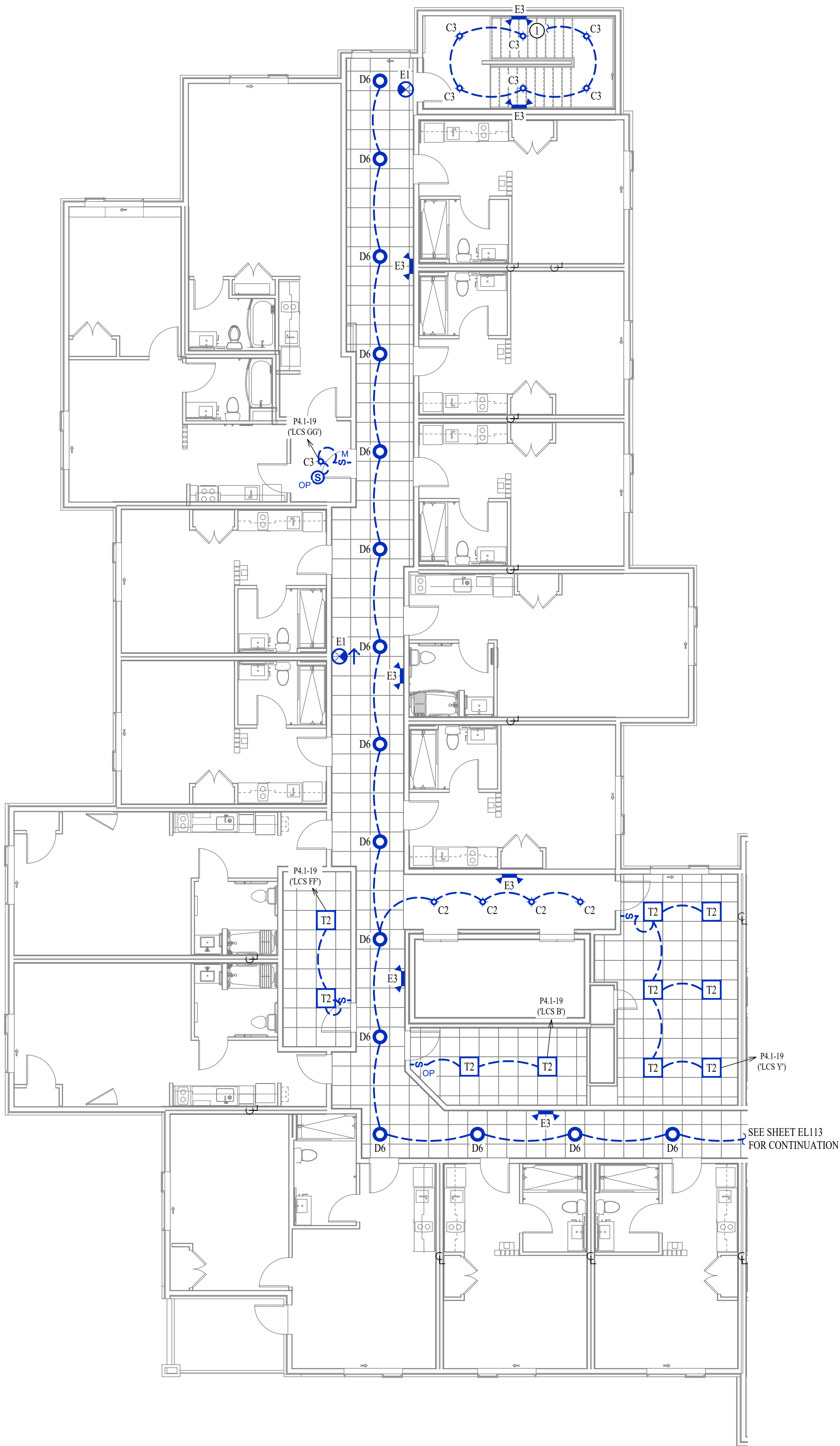
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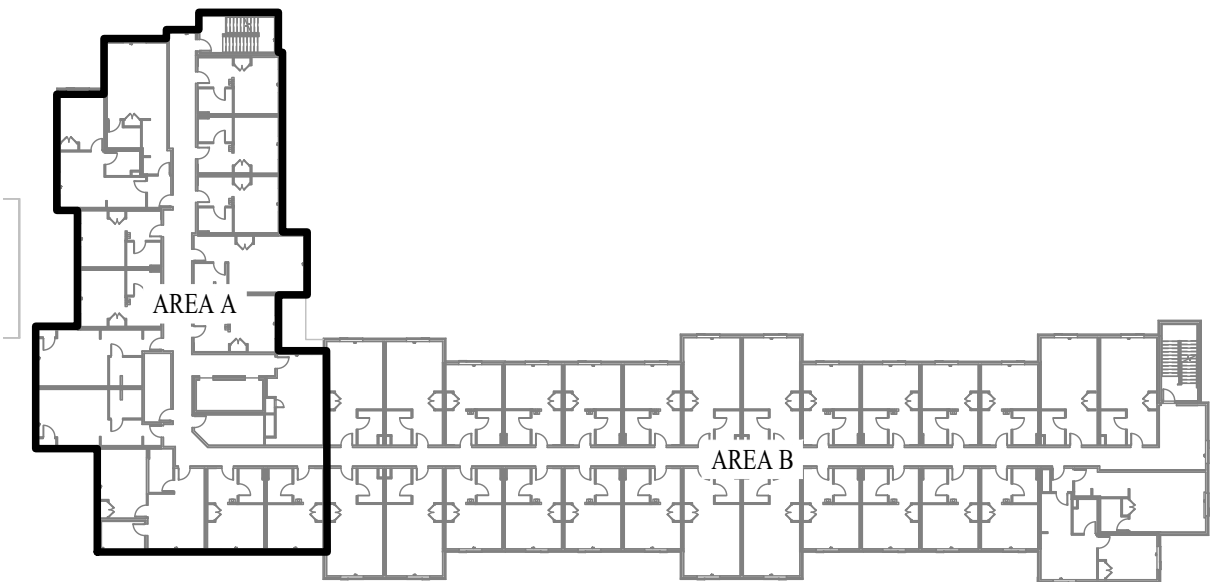
LITHTING PLAN -
2ND & 3RD FLOOR -
AREA A

SHEET NUMBER

EL102



LIGHTING PLAN - 4TH FLOOR - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: 1" = 50 ft

LIGHTING PLAN SYMBOL LEGEND

- X1 — "X1" INDICATES FIXTURE TYPE (REFER TO SCHEDULE)
LIGHTING FIXTURE
EM — "EM" INDICATES EMERGENCY BATTERY BACKUP
NL — "NL" INDICATES UN-SWITCHED NIGHT LIGHT
- EXIT LIGHT
INDICATES REQUIRED REMOTE HEAD
- EMERGENCY EGRESS LIGHT
- SWITCH (WALL MOUNTED)
SWITCH TYPE:
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• VP = PASSIVE INFRARED VACANCY SENSOR
• VU = ULTRASONIC VACANCY SENSOR
• VT = DUAL-TECHNOLOGY VACANCY SENSOR
• M = MOMENTARY SWITCH
• SS = SCENE SWITCH
• K = KEYED SWITCH
- DIMMER SWITCH (WALL MOUNTED)
SWITCH TYPE:
• SEE "SWITCH (WALL MOUNTED)" FOR TYPE DESIGNATIONS
- SWITCH (CEILING MOUNTED)
SWITCH TYPE:
• SEE "SWITCH (WALL MOUNTED)" FOR TYPE DESIGNATIONS
- POWER PACK

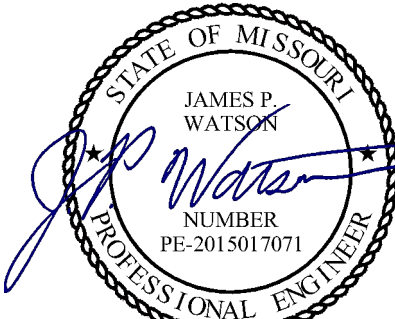
- OCCUPANCY SENSOR**
- AUTO FULL-ON (OR 50% IF NOTED)
 - AUTOMATICALLY TURN OFF LIGHTING AFTER 20 MINUTES WITHOUT OCCUPANT DETECTION
 - WITH MANUAL OVERRIDE CONTROL (IF NOTED)
- VACANCY SENSOR**
- MANUAL FULL-ON
 - AUTOMATICALLY TURN OFF LIGHTING AFTER 20 MINUTES WITHOUT OCCUPANT DETECTION
 - WITH MANUAL OVERRIDE CONTROL (IF NOTED)

LIGHTING PLAN GENERAL NOTES:

- SEE SHEET E501 FOR ADDITIONAL ELECTRICAL NOTES, DETAILS, & SCHEDULES.
- OCCUPANCY / VACANCY SENSOR QUANTITIES AND GENERAL LOCATIONS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE AND INSTALL SENSOR WITH SPACING PER MANUFACTURER SPECIFICATIONS AND INCLUDE ADDITIONAL SENSORS IF NECESSARY. CEILING-MOUNTED SENSORS SHALL BE INSTALLED WITHIN MANUFACTURE'S ACCEPTABLE MOUNTING HEIGHT RANGE.

LIGHTING PLAN KEY NOTES:

- ① CIRCUIT CONTINUES TO LEVEL BELOW.



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Towneplace Suites By Marriott

1810 Northeast Douglas St.
Lee's Summit, Missouri 64064

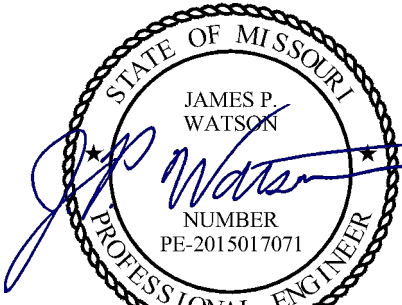
AHJ APPROVAL STAMP

SHEET TITLE

LIGHTING PLAN
- 4TH FLOOR -
AREA A

SHEET NUMBER

EL103



James Watson, P.E. November 1, 2023
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Mechanical - Electrical - Plumbing Design Drawings for

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AHU APPROVAL STAMP

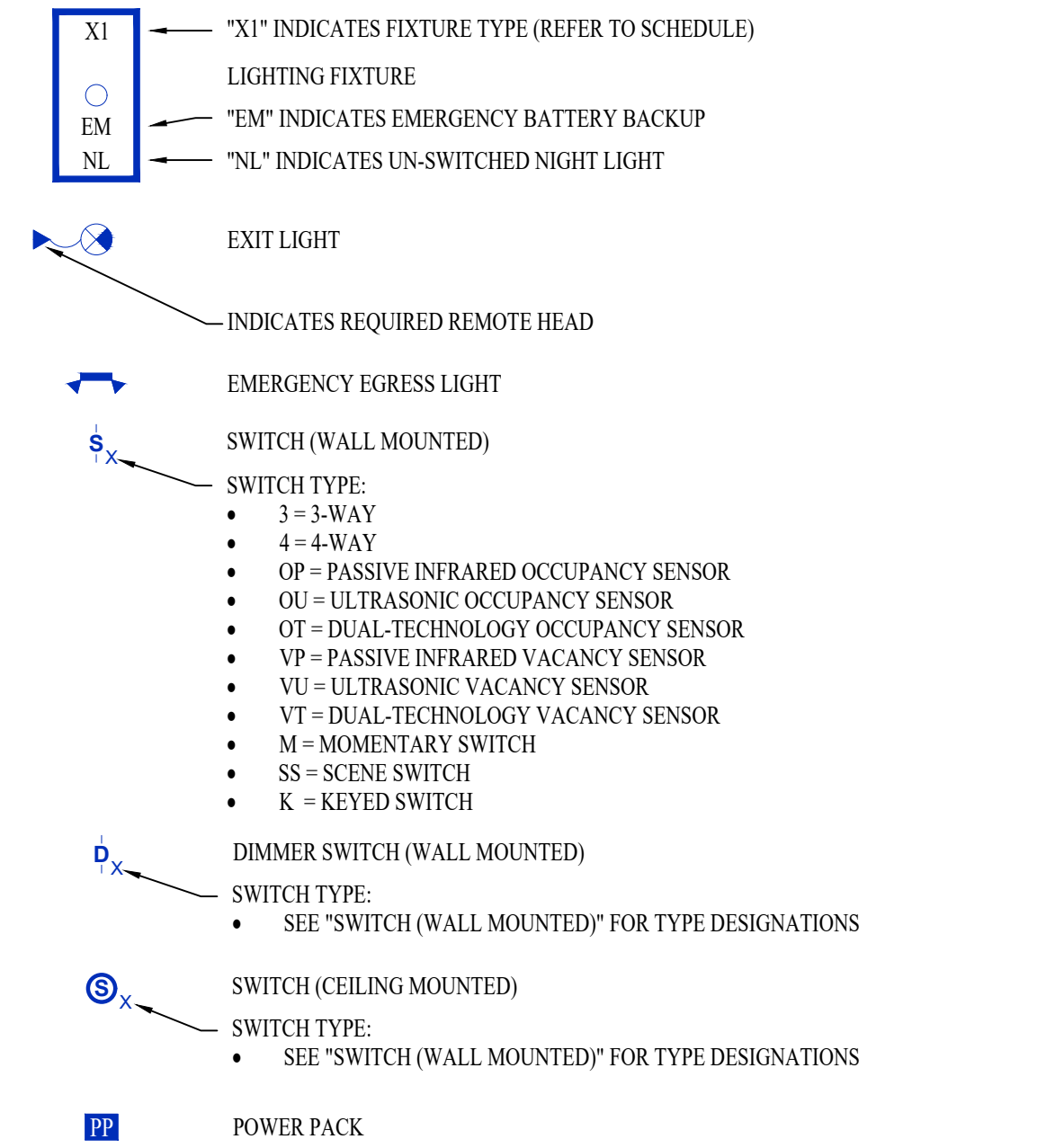
SHEET TITLE

**LIGHTING PLAN
- 1ST FLOOR -
AREA B**

SHEET NUMBER

EL111

LIGHTING PLAN SYMBOL LEGEND



OCCUPANCY SENSOR

- AUTO FULL-ON (OR 50% IF NOTED)
- AUTOMATICALLY TURN OFF LIGHTING AFTER 20 MINUTES WITHOUT OCCUPANT DETECTION
- WITH MANUAL OVERRIDE CONTROL (IF NOTED)

VACANCY SENSOR

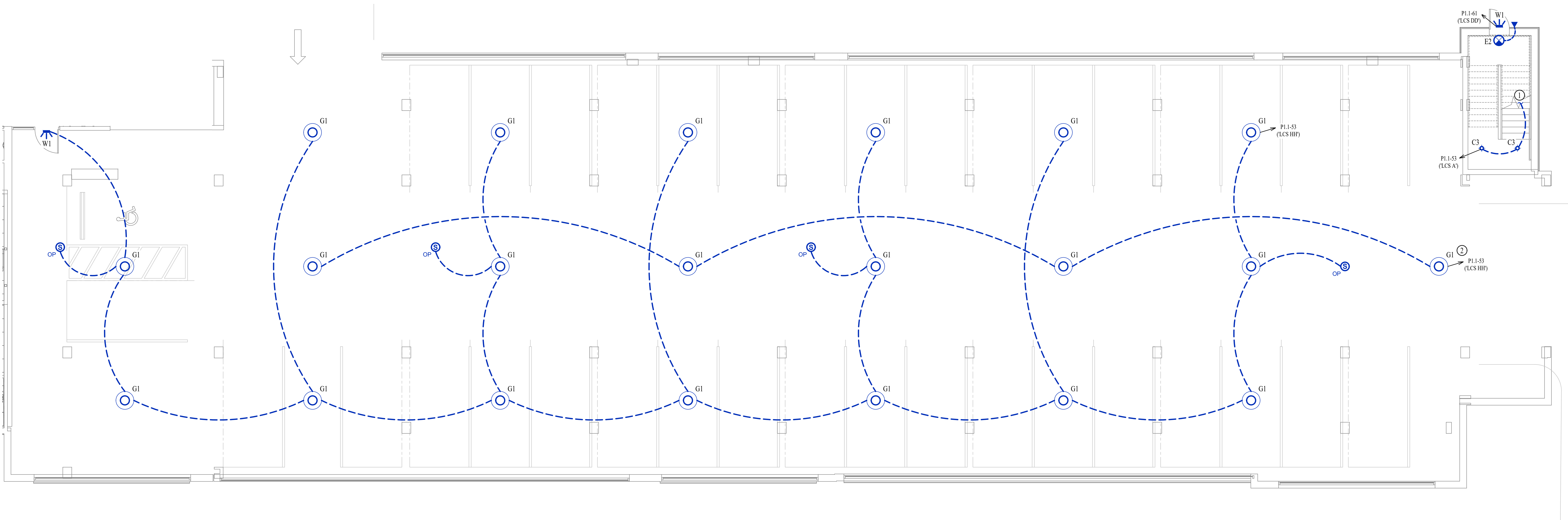
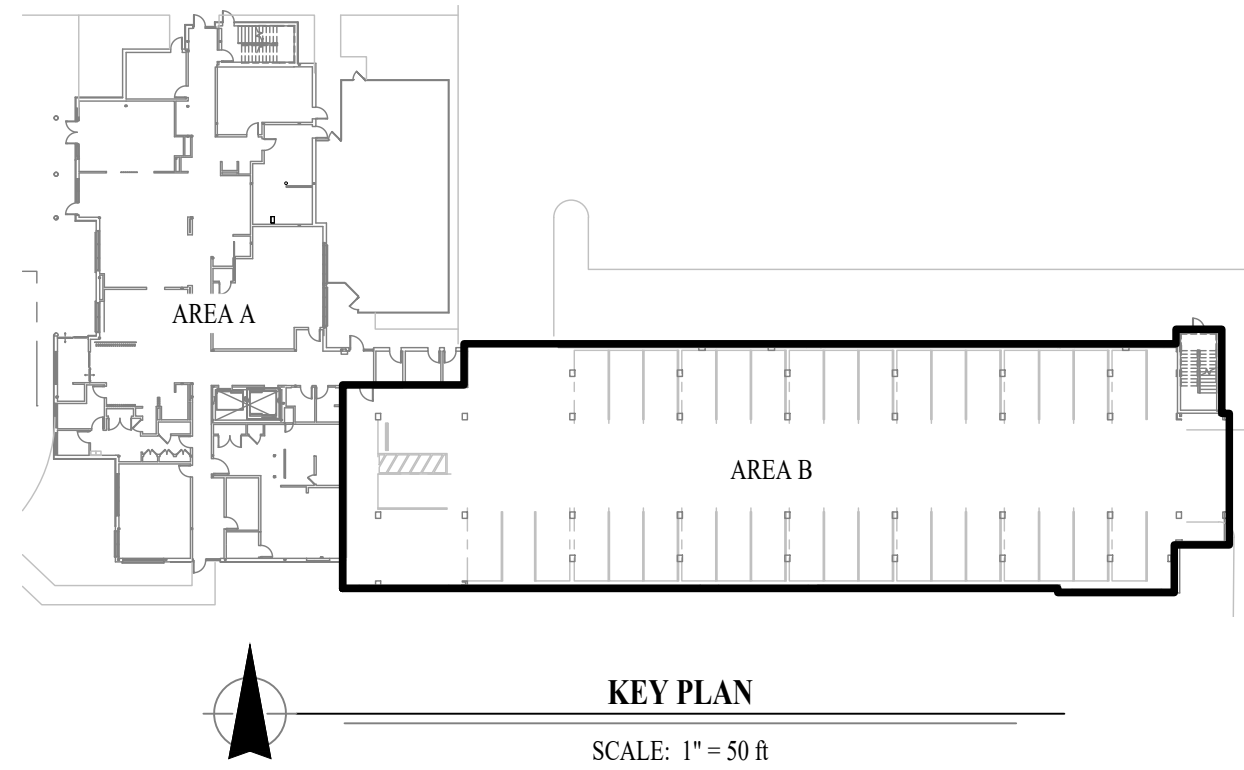
- MANUAL FULL-ON
- AUTOMATICALLY TURN OFF LIGHTING AFTER 20 MINUTES WITHOUT OCCUPANT DETECTION
- WITH MANUAL OVERRIDE CONTROL (IF NOTED)

LIGHTING PLAN GENERAL NOTES:

- SEE SHEET E501 FOR ADDITIONAL ELECTRICAL NOTES, DETAILS, & SCHEDULES.
- OCCUPANCY / VACANCY SENSOR QUANTITIES AND GENERAL LOCATIONS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE AND INSTALL SENSOR WITH SPACING PER MANUFACTURER SPECIFICATIONS AND INCLUDE ADDITIONAL SENSORS IF NECESSARY. CEILING-MOUNTED SENSORS SHALL BE INSTALLED WITHIN MANUFACTURE'S ACCEPTABLE MOUNTING HEIGHT RANGE.

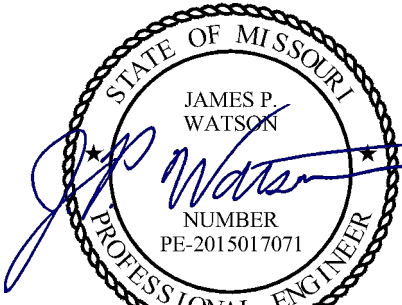
LIGHTING PLAN KEY NOTES:

- CIRCUIT CONTINUES TO LEVEL ABOVE.
- WIRE THRU LIGHTING INVERTER EQUAL TO MYERS ILLUMINATOR LV3 SERIES (\$50W). LOCATE INVERTER IN MAIN ELECTRICAL ROOM.



LIGHTING PLAN - 1ST FLOOR - AREA B

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



James Watson, P.E. November 1, 2023
PE-2015017071
MO Certificate of Authority # 2018029680



**J-SQUARED
ENGINEERING**

2400 Bluff Creek Drive, Suite 101
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www.j-squaredeng.com

J2 PROJECT No: J21006

J2 DESIGN: ACW

ISSUE TITLE DATE

CITY SUBMISSION 11 / 01 / 2023

Towneplace Suites By Marriott

Mechanical - Electrical - Plumbing Design Drawings for

1810 Northeast Douglas St.
Lee's Summit, Missouri 64064

AHJ APPROVAL STAMP

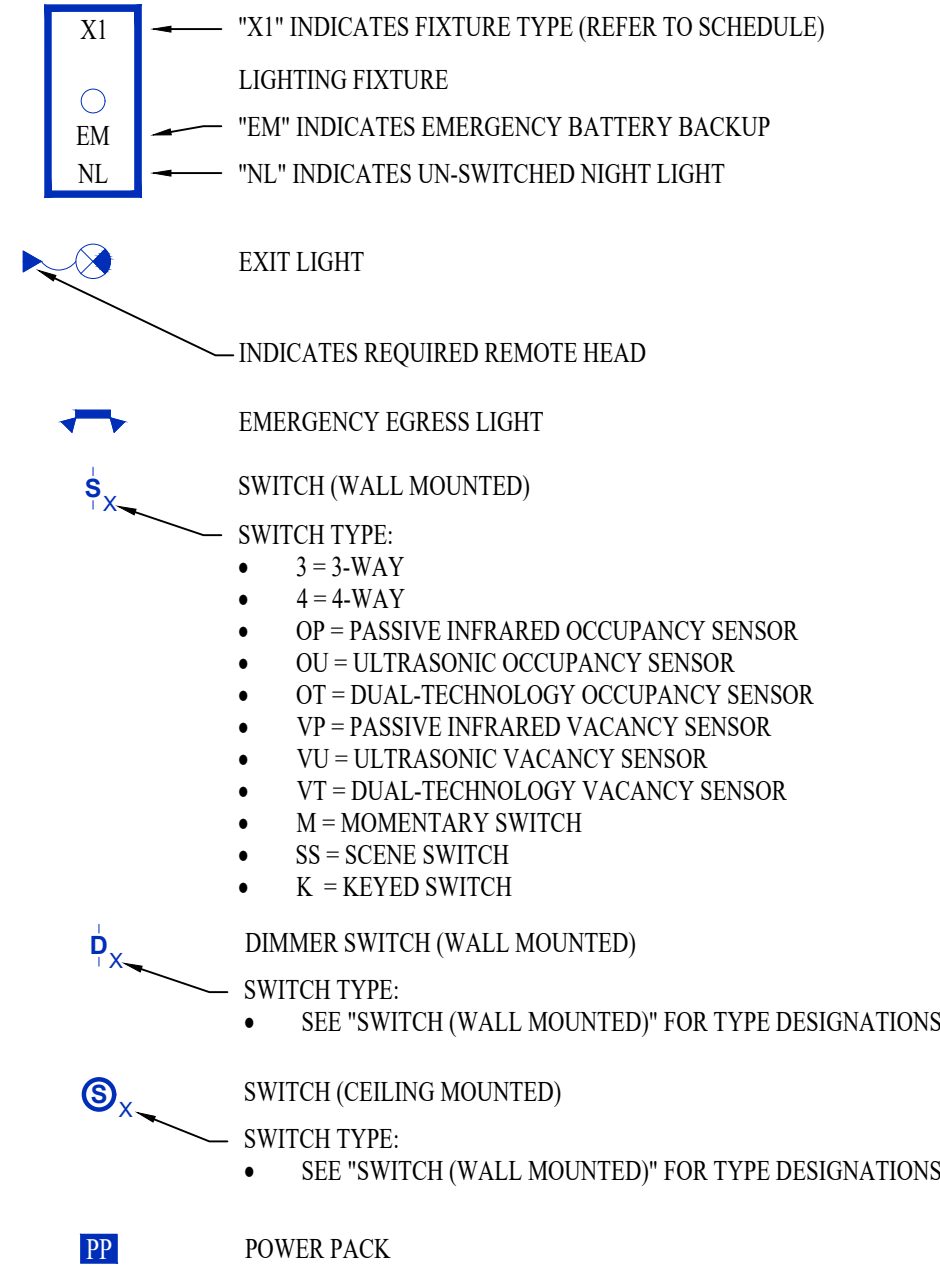
SHEET TITLE

LIGHTING PLAN - 2ND
& 3RD FLOOR - AREA
B

SHEET NUMBER

EL112

LIGHTING PLAN SYMBOL LEGEND



OCCUPANCY SENSOR

- AUTO FULL-ON (OR 50% IF NOTED)
- AUTOMATICALLY TURN OFF LIGHTING AFTER 20 MINUTES WITHOUT OCCUPANT DETECTION
- WITH MANUAL OVERRIDE CONTROL (IF NOTED)

VACANCY SENSOR

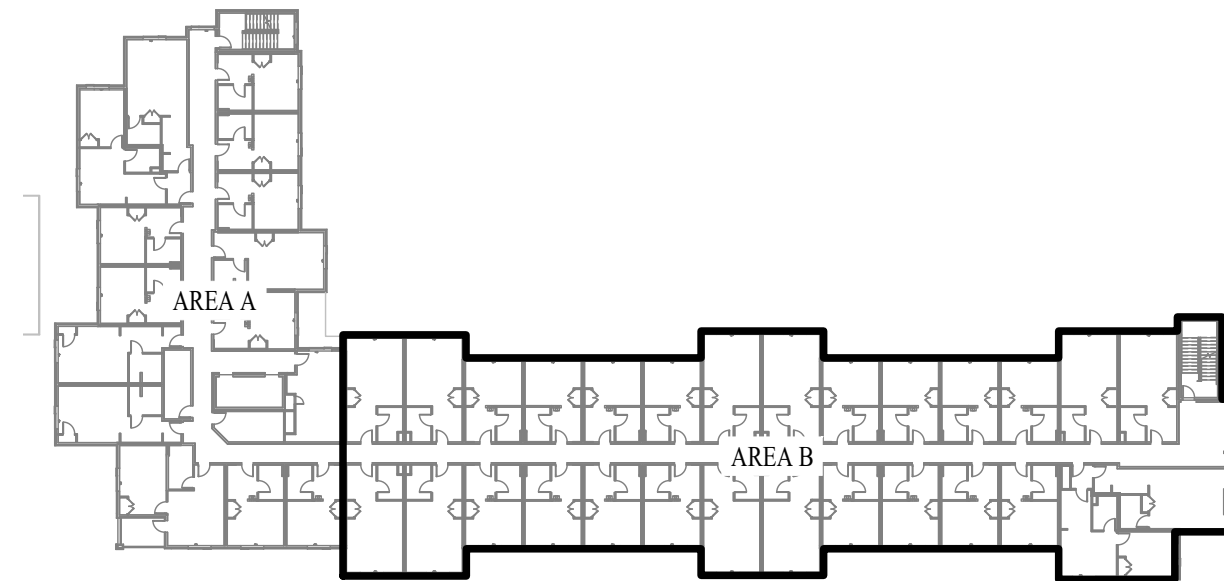
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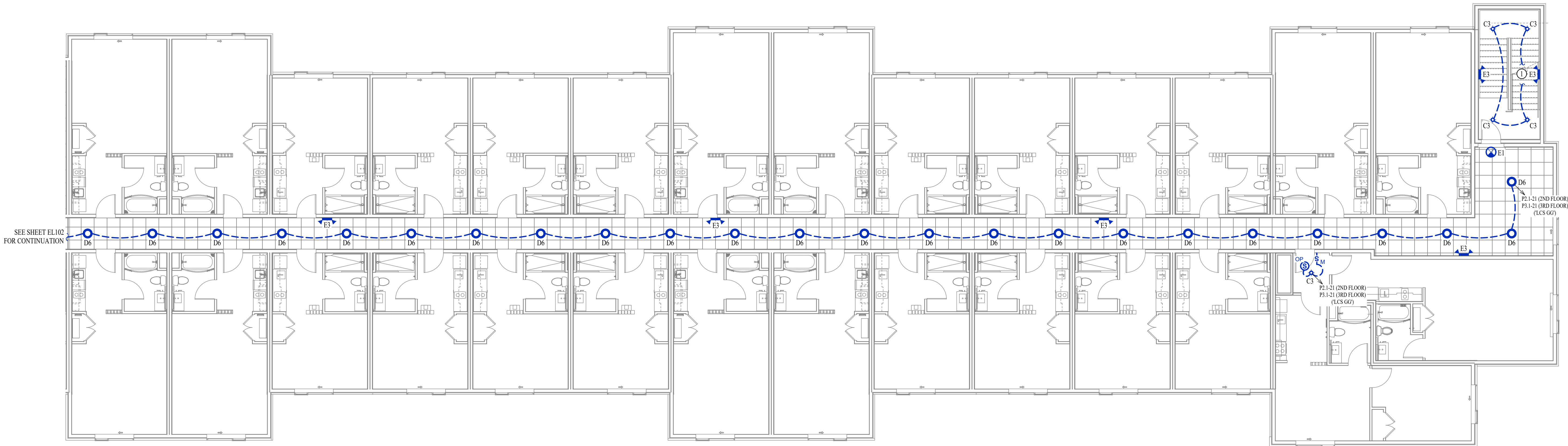
LIGHTING PLAN KEY NOTES:

- CIRCUIT CONTINUES TO LEVEL ABOVE/BELOW.



KEY PLAN

SCALE: 1" = 50 ft



LIGHTING PLAN - 2ND & 3RD FLOOR - AREA B

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

X1	← "X1" INDICATES FIXTURE TYPE (REFER TO SCHEDULE 1)
○	← LIGHTING FIXTURE
EM	← "EM" INDICATES EMERGENCY BATTERY BACKUP
NL	← "NL" INDICATES UN-SWITCHED NIGHT LIGHT

EXIT LIGHT

INDICATES REQUIRED REMOTE HEAD

 EMERGENCY EGRESS LIGHT

S_X SWITCH (WALL MOUNTED)

- SWITCH TYPE:
 - 3 = 3-WAY
 - 4 = 4-WAY
 - OP = PASSIVE INFRARED OCCUPANCY SENSOR
 - OU = ULTRASONIC OCCUPANCY SENSOR
 - OT = DUAL-TECHNOLOGY OCCUPANCY SENSOR
 - VP = PASSIVE INFRARED VACANCY SENSOR
 - VU = ULTRASONIC VACANCY SENSOR
 - VT = DUAL-TECHNOLOGY VACANCY SENSOR
 - M = MOMENTARY SWITCH
 - SS = SCENE SWITCH
 - K = KEYED SWITCH

D DIMMER SWITCH (WALL MOUNTED)

SWITCH TYPE:
• SEE "SWITCH (WALL MOUNTED)" FOR TYPE DESIGNATIONS

 SWITCH (CEILING MOUNTED)

SWITCH TYPE:

- SEE "SWITCH (WALL MOUNTED)" FOR TYPE DESIGNATIONS

PP POWER PACK

OCCUPANCY SENSOR

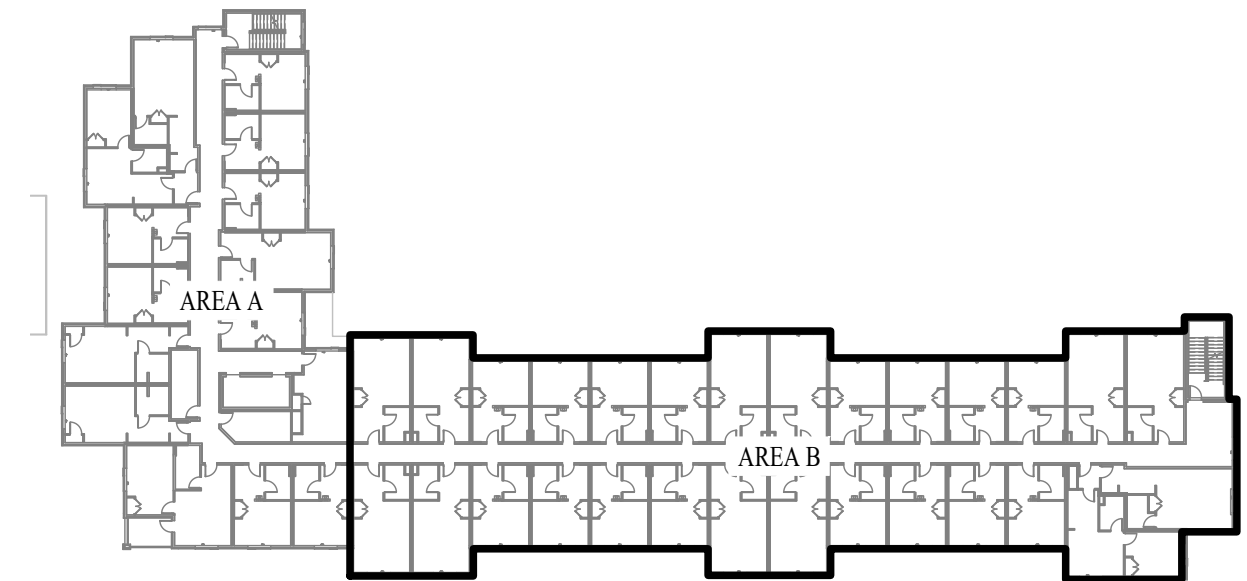
- AUTO FULL-ON (OR 50% IF NOTED)
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VACANCY SENSOR

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- WITH MANUAL OVERRIDE CONTROL (IF NOTED)

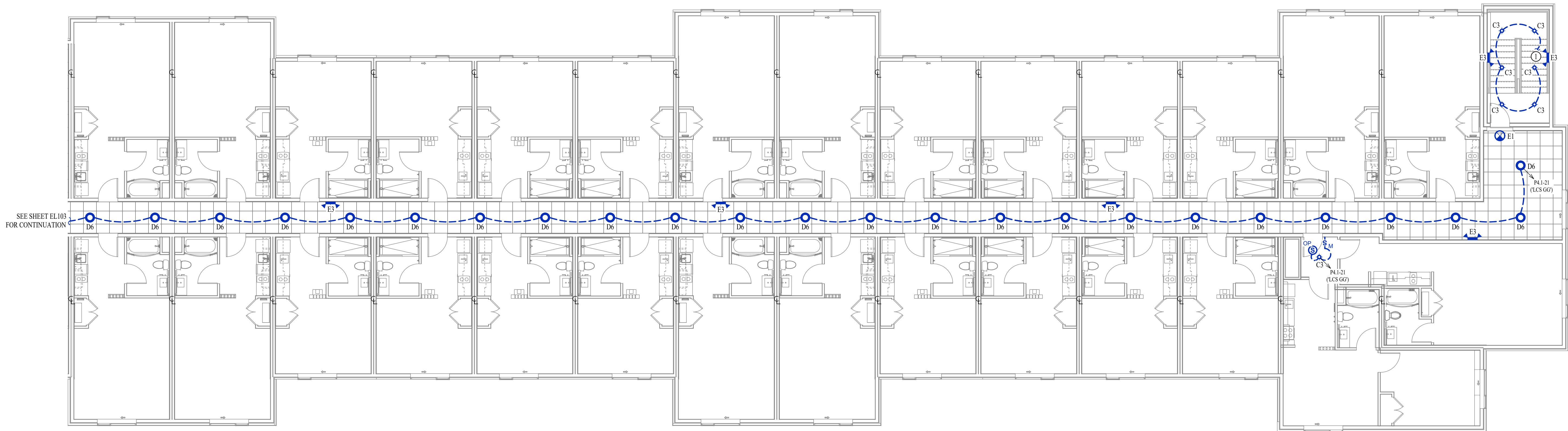
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① CIRCUIT CONTINUES TO LEVEL BELOW.



KEY PLAN

SCALE: 1" = 50 ft



LIGHTING PLAN - 4TH FLOOR - AREA B

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

James Watson, P.E. November 1, 2023
E-2015017071
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PROJECT No: J21006DESIGN: ACW

SUE TITLE	DATE
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ITY SUBMISSION	11 / 01 / 2023
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Mechanical - Electrical - Plumbing Design Drawings for

Towneplace Suites By Marriott

**1810 Northeast Douglas St.
Lee's Summit, Missouri 64064**

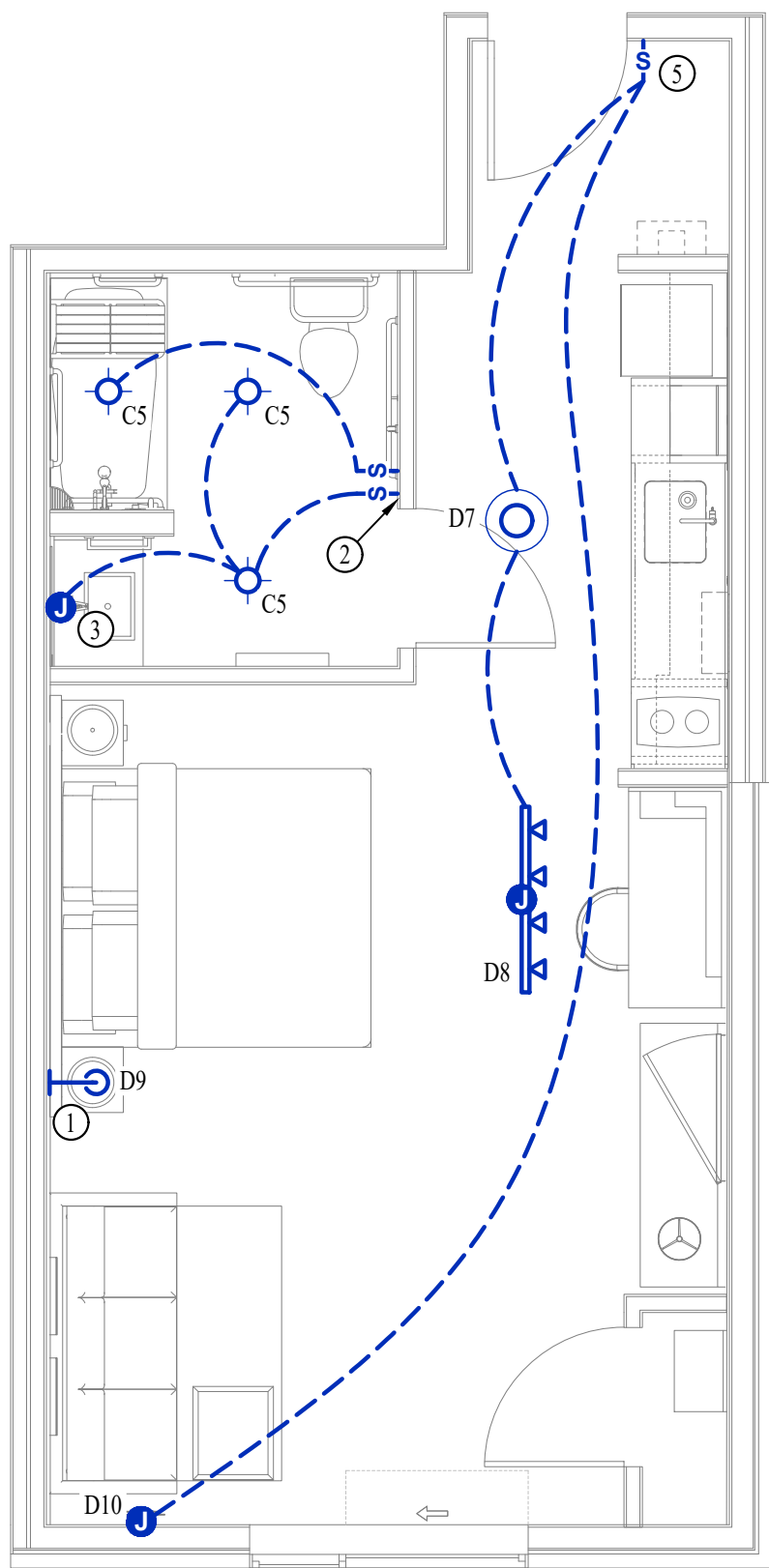
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MEET TITLE

**LIGHTING PLAN - 4TH
FLOOR - AREA B**

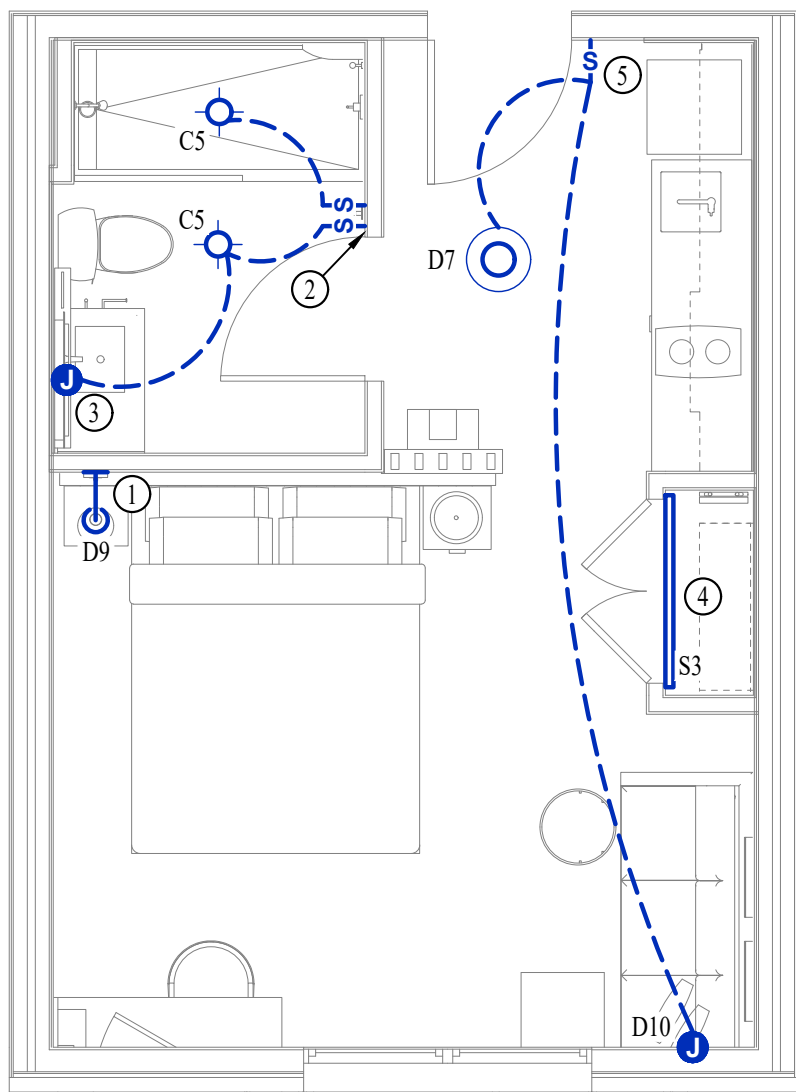
SHEET NUMBER

EL113



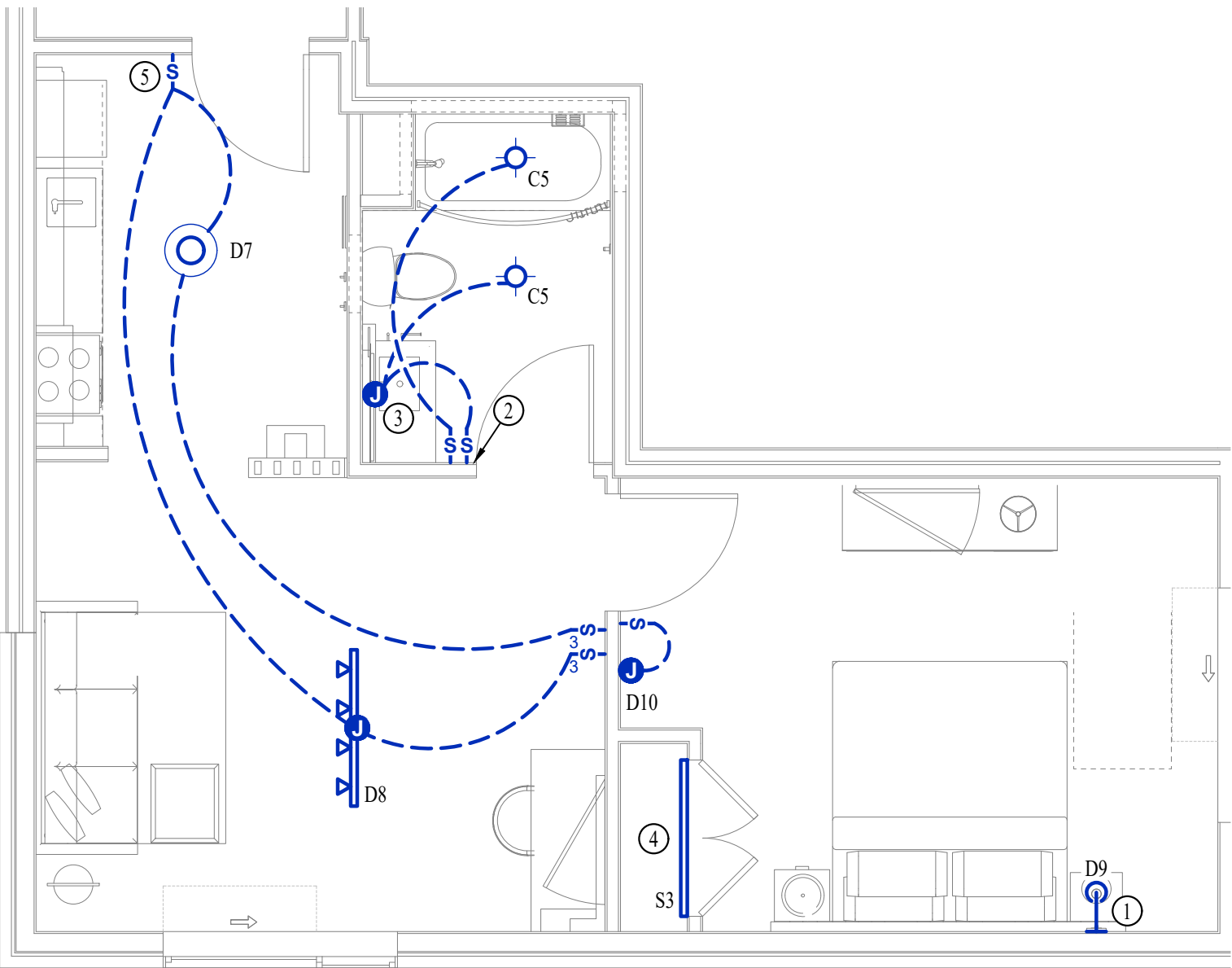
LIGHTING PLAN - KING ACCESSIBLE

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



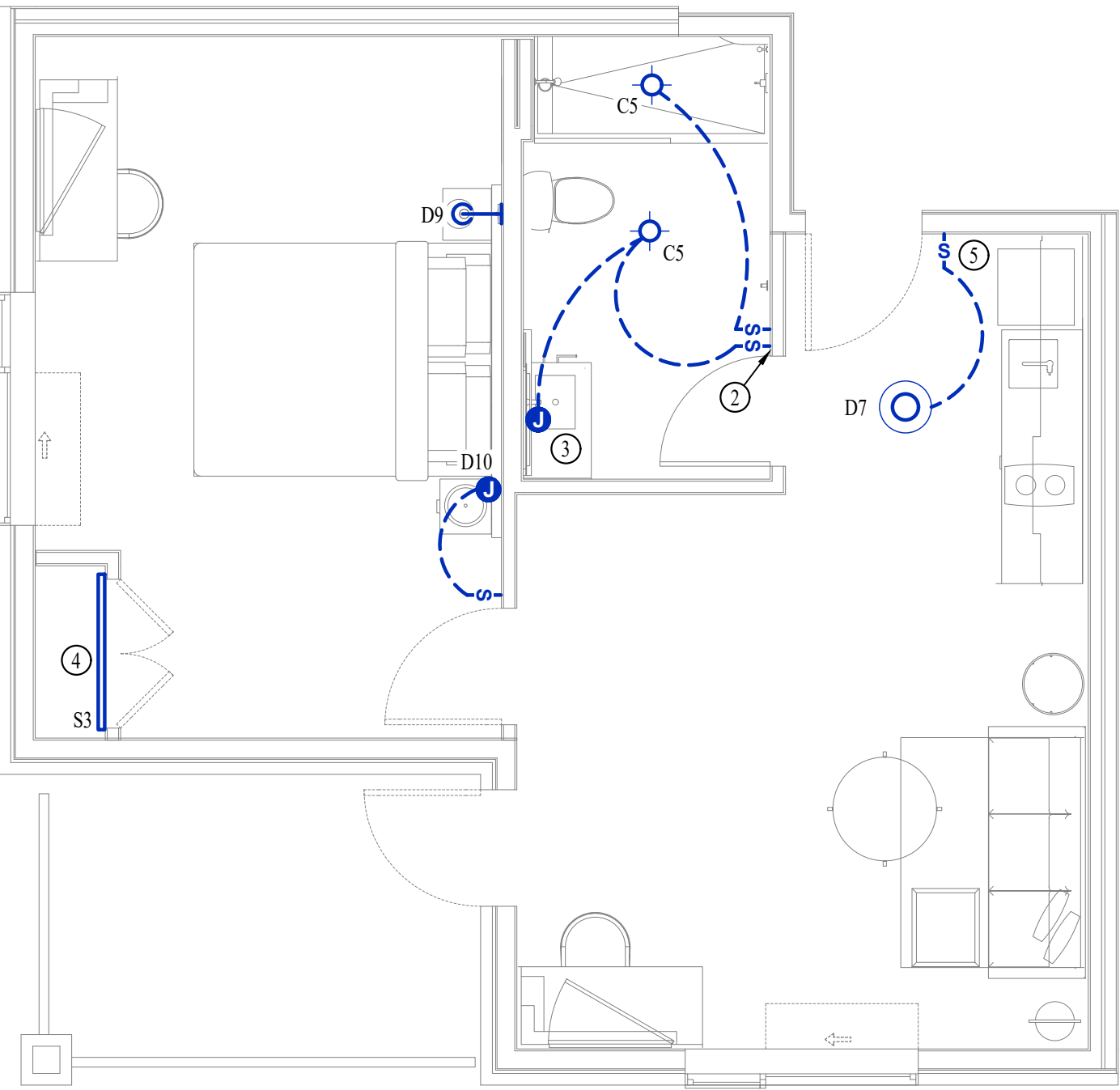
LIGHTING PLAN - KING STUDIO

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



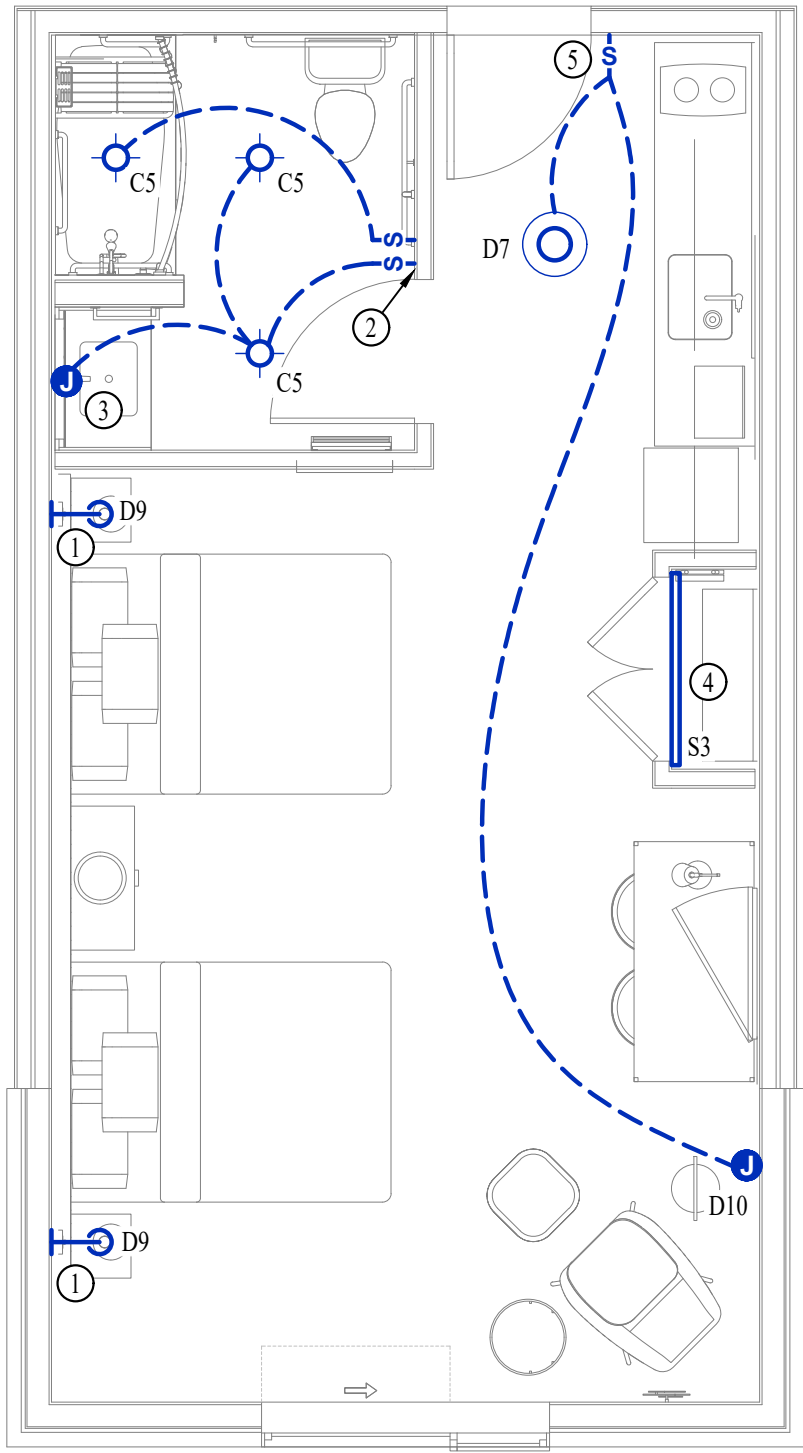
LIGHTING PLAN - ONE BED KING

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



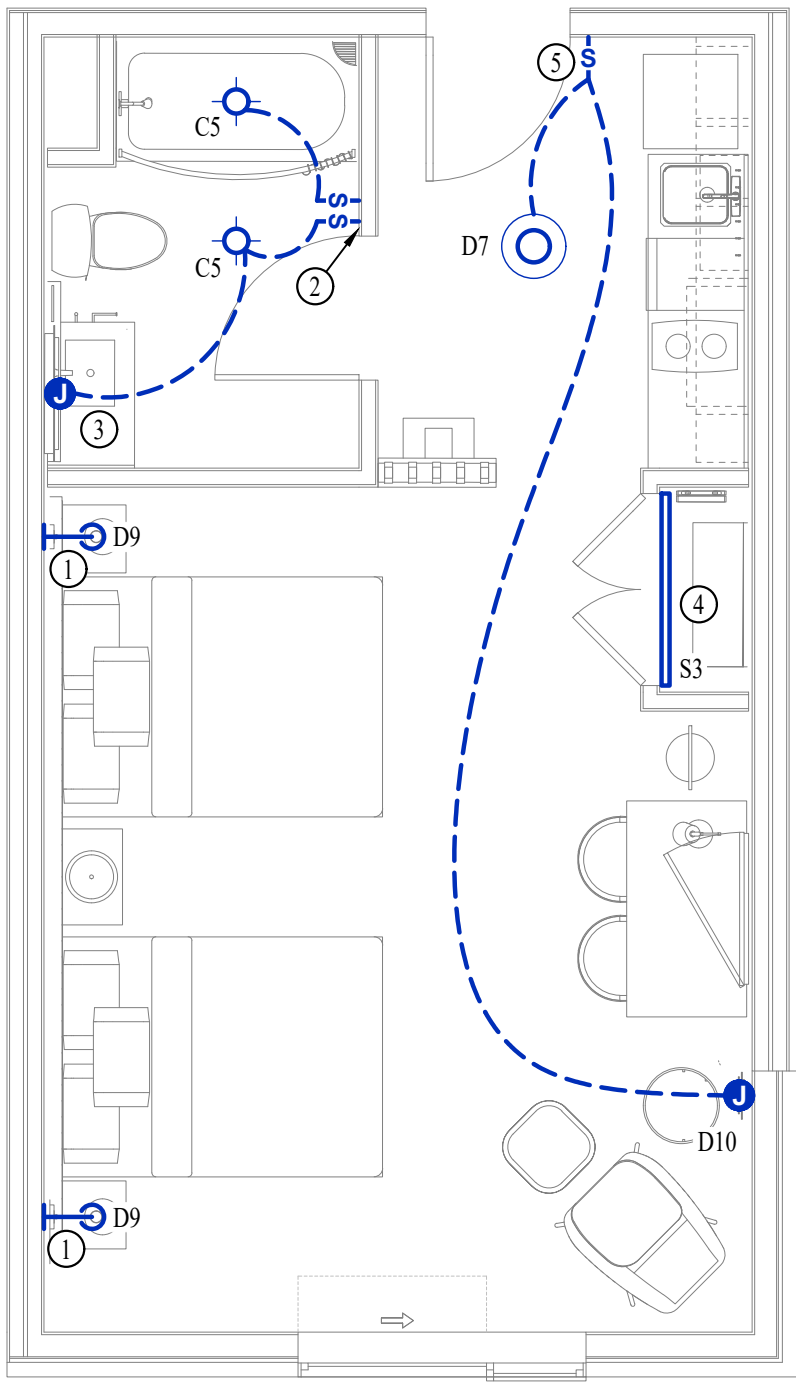
LIGHTING PLAN - ONE BED KING W/ BALCONY

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



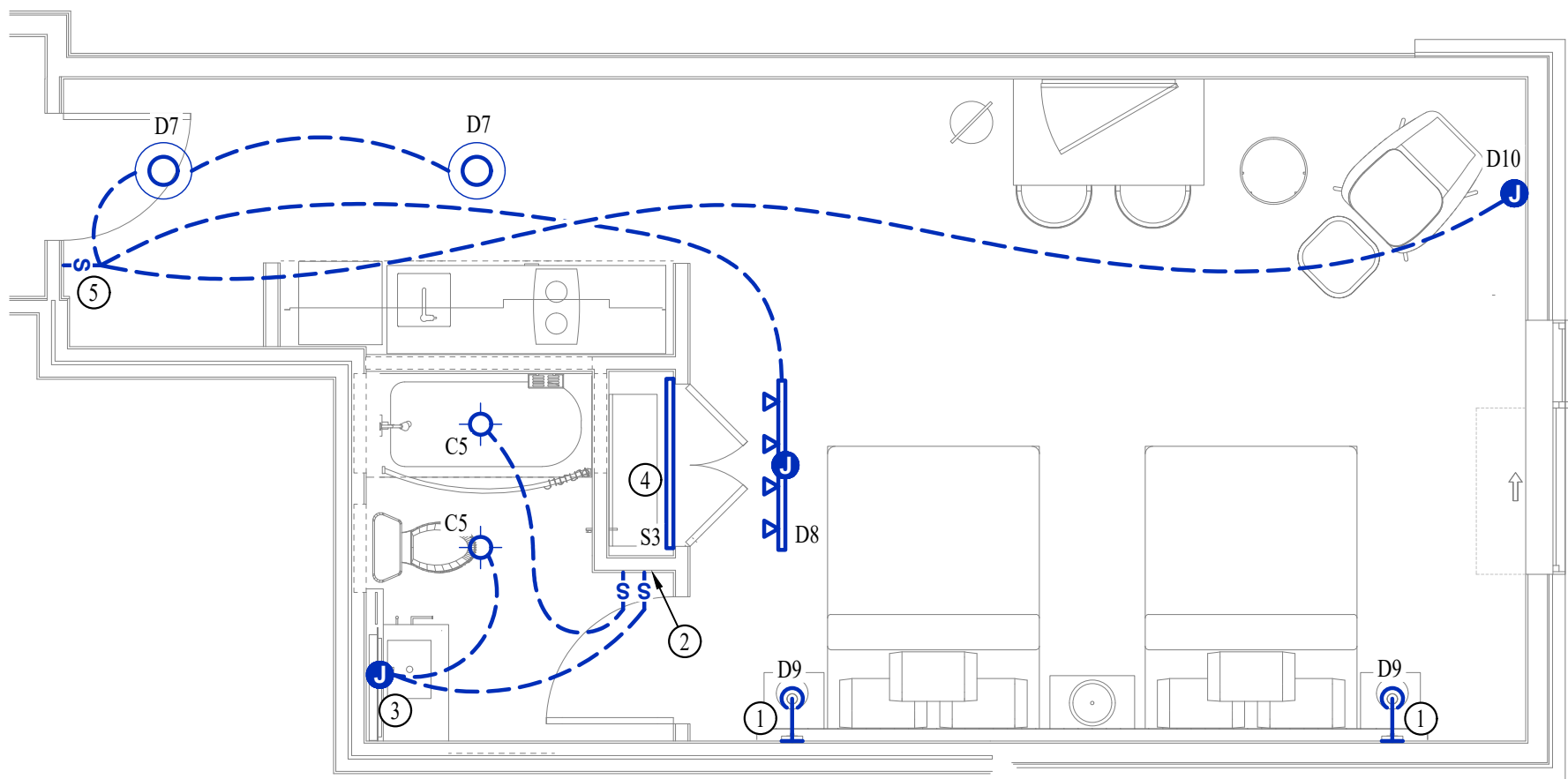
LIGHTING PLAN - STUDIO DOUBLE QUEEN ACCESSIBLE

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



LIGHTING PLAN - STUDIO DOUBLE QUEEN CENTER

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



LIGHTING PLAN - STUDIO DOUBLE QUEEN END

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

LIGHTING PLAN SYMBOL LEGEND

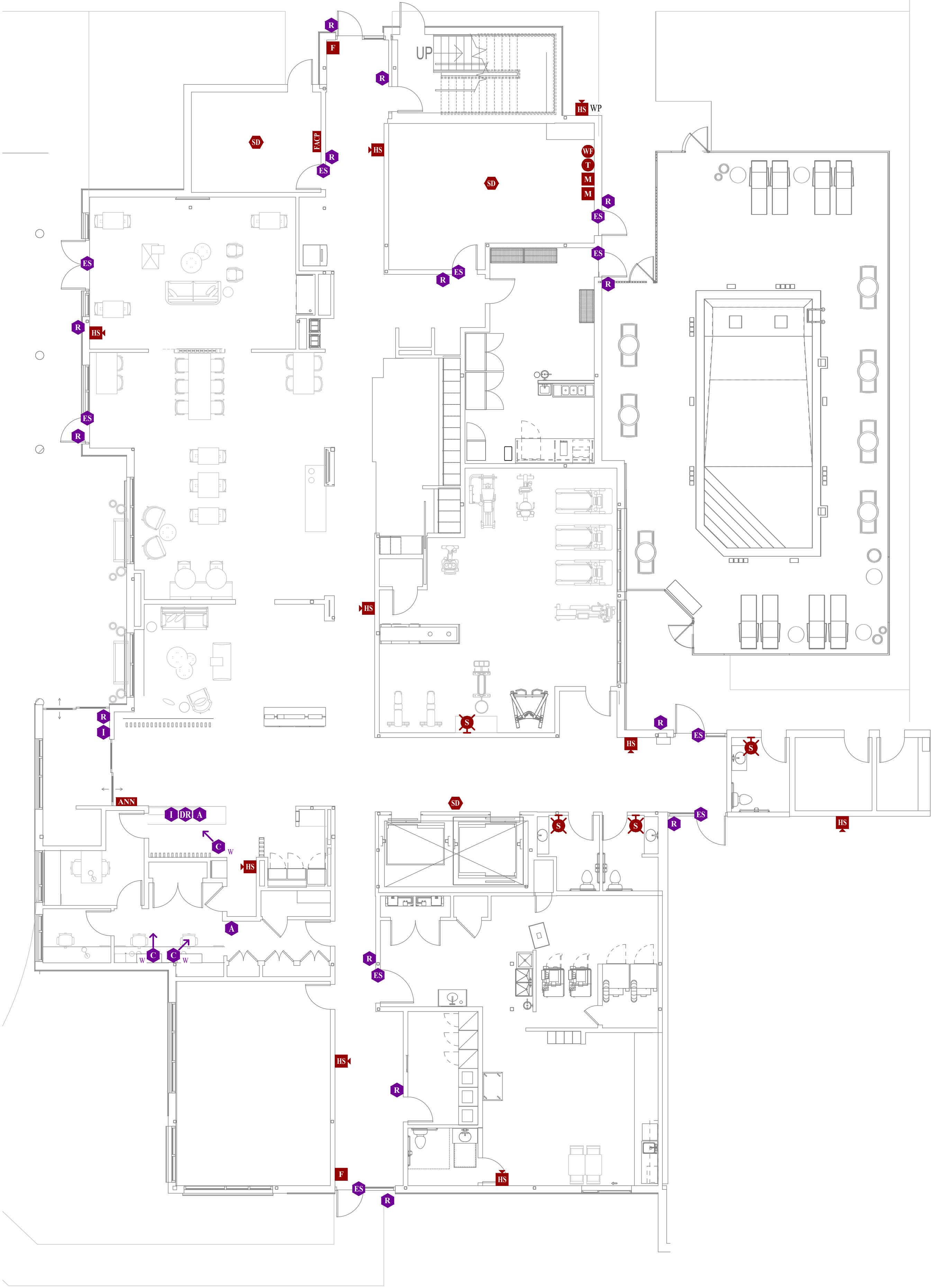
- LIGHTING FIXTURE
"X1" INDICATES FIXTURE TYPE (REFER TO SCHEDULE)
- SWITCH (WALL MOUNTED)
SWITCH TYPE:
• 3 = 3-WAY
• 4 = 4-WAY
- DIMMER SWITCH (WALL MOUNTED)
SWITCH TYPE:
• SEE "SWITCH (WALL MOUNTED)" FOR TYPE DESIGNATIONS
- JUNCTION BOX

LIGHTING PLAN GENERAL NOTES:

1. SEE SHEET E501 FOR ADDITIONAL ELECTRICAL NOTES, DETAILS, & SCHEDULES.
2. REFER TO ARCHITECTURAL PLANS FOR EXACT FIXTURE LOCATIONS, DETAILS & REQUIREMENTS
3. ALL LIGHTING WITHIN EACH GUEST ROOM SHALL BE ON CIRCUIT PXXX-13 UNLESS NOTED OTHERWISE.

LIGHTING PLAN KEY NOTES:

- ① PLUG IN FIXTURE WITH INTEGRAL ON/OFF SWITCH.
② SWITCH PLATE W/ INCORPORATED NIGHT LIGHT (SEE ARCHITECTURAL PLANS FOR DETAILS.)
③ MIRROR & OVERHEAD LIGHT TO BE SWITCHED TOGETHER. PROVIDE JBOX FOR MIRROR, TO BE CENTERED BEHIND MIRROR.
④ LOCATE CLOSET LIGHT ON FACE OF DOOR HEAD FRAME INSIDE CLOSET AND CONNECT TO SURFACE MOUNTED RELAY SWITCH ON DOOR FRAME JAMB. PROVIDE OUTLET ABOVE DOOR FOR POWER TO TRANSFORMER ALSO LOCATED ABOVE DOOR (SEE POWER PLAN). ALL WIRING TO BE CONCEALED WITHIN WALLS.
⑤ GUESTROOM CONTROLLER WITH LABELED MASTER LIGHTING SWITCH TO ALL HARDWIRED LIGHTING WITHIN ROOM (EXCEPT BATHROOM); CONTROLLER TO INTEGRATE INTO GUESTROOM MANAGEMENT SYSTEM & BAS. SEE BUILDING CONTROL SCHEDULE FOR DETAILS.



FIRE PROTECTION & SECURITY SYSTEM PLAN -
1ST FLOOR - AREA A

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

FIRE ALARM PLAN SYMBOL LEGEND

- F MANUAL PULL STATION
- M MODULE
- O OUTPUT MODULE
- SD SMOKE DETECTOR
- S-C STROBE - CEILING MOUNT
- S-W STROBE - WALL MOUNT
- HS-W HORN STROBE - WALL MOUNT
- HS-C HORN STROBE - CEILING MOUNT
- SS-W SPEAKER STROBE - WALL MOUNT
- SS-C SPEAKER STROBE - CEILING MOUNT
- T TAMPER SWITCH
- WP WATER FLOW SWITCH
- FACP FIRE ALARM CONTROL PANEL
- ANN FIRE ALARM ANNUNCIATOR

SECURITY PLAN SYMBOL LEGEND

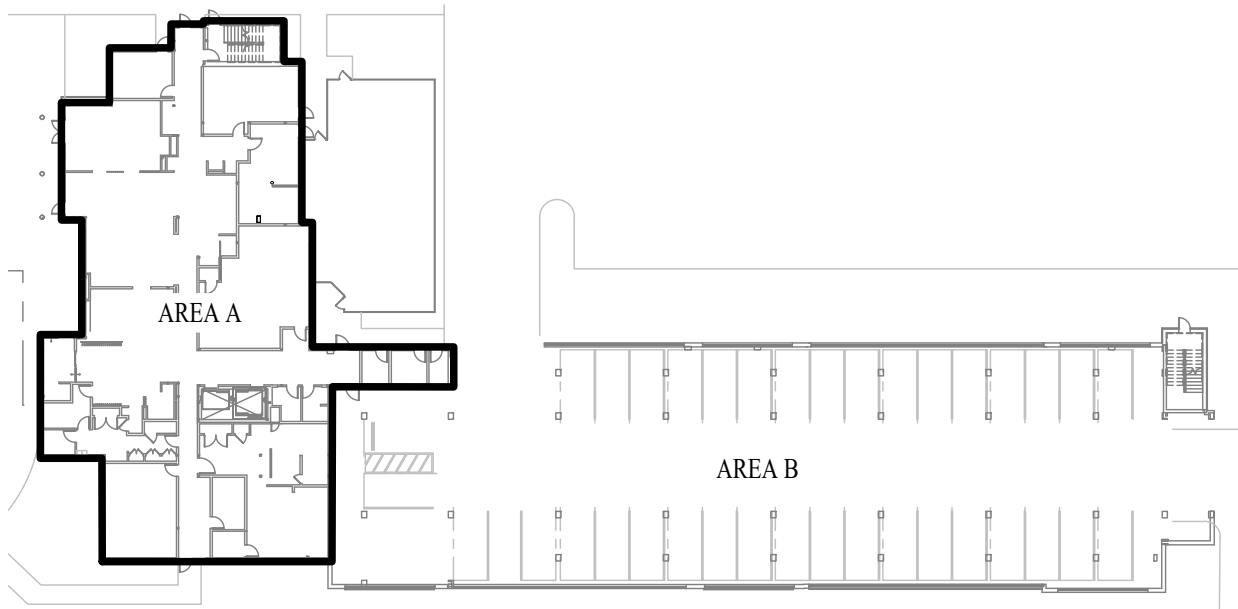
- R READER
- M MOTION DETECTOR
- KP ALARM KEYPAD
- DC DOOR CONTACT
- P PANIC
- GB GLASS BREAK SENSOR
- ES ELECTRIC STRIKE
- I INTERCOM
- DR DOOR RELEASE
- A DURESS ALARM BUTTON
- BURG BURGLAR PANEL
- C-W WALL MOUNT CAMERA (ARROW INDICATES VIEW DIRECTION)
- C-C CEILING MOUNT CAMERA (ARROW INDICATES VIEW DIRECTION)

FIRE ALARM SYSTEM SPECIFICATIONS

1. FIRE ALARM SYSTEM SHALL BE AN ADDRESSABLE SYSTEM THAT IS NONCODED, UL-LISTED, WITH MULTIPLEX SIGNAL TRANSMISSION AND HORN/STROBE EVACUATION.
2. EVERY FIRE ALARM SYSTEM COMPONENT SHALL BE UL-LISTED AND UL-CERTIFIED, TESTED BY MANUFACTURERS AS A COMPLETE SYSTEM, AND MEET ALL APPLICABLE REQUIREMENTS OF NFPA 72.
3. ALL FIRE ALARM WIRING TO BE PLENUM RATED.
4. ALL INITIATING DEVICES INSTALLED IN UNCONDITIONED SPACES SHALL BE CONVENTIONAL DEVICES SUITABLE FOR USE IN EXTREME HIGH AND LOW TEMPERATURES AND HIGH HUMIDITY. SUCH DEVICES SHALL BE SUPERVISED BY ADDRESSABLE MONITOR MODULES LOCATED IN CONDITIONED SPACES.
5. QUANTITIES, TYPES, AND LOCATIONS OF INITIATING DEVICES AND OUTPUT MODULES FOR INTERCONNECTION WITH FIRE SUPPRESSION MUST BE COORDINATED WITH CONTRACTORS THAT ARE RESPONSIBLE FOR THOSE SYSTEMS.

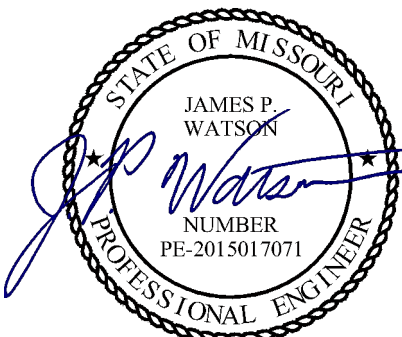
FIRE ALARM DEVICE TYPICAL LOCATIONS:

1. VERIFY EXACT LOCATIONS WITH LATEST NFPA REQUIREMENTS;
2. CEILING MOUNTED SMOKE / HEAT DETECTORS:
 - 2.1. MUST BE MOUNTED AT LEAST 36" FROM HVAC GRILLES / DIFFUSERS
 - 2.2. MUST BE LOCATED AT LEAST 4" FROM WALL/CEILING INTERSECTIONS (MEASURED FROM EDGE OF DEVICE)
3. WALL MOUNTED SMOKE / HEAT DETECTORS:
 - 3.1. MUST BE LOCATED AT LEAST 4" FROM WALL/CEILING INTERSECTIONS (MEASURED FROM EDGE OF DEVICE)
 - 3.2. MUST BE LOCATED WITHIN AT LEAST 12" FROM WALL/CEILING INTERSECTION (MEASURED FROM EDGE OF DEVICE)
4. MANUAL PULL STATIONS:
 - 4.1. MUST BE LOCATED WITHIN 5' OF EXTERIOR DOORWAY (MEASURED FROM CENTER OF PULL STATION TO NEAREST EDGE OF DOOR)
 - 4.2. MUST BE LOCATED BETWEEN 42" AND 54" A.F.F. (MEASURED FROM FINISH FLOOR TO CENTER OFF PULL STATION)
5. MAGNETIC DOOR HOLDER:
 - 5.1. MUST BE LOCATED 6" BELOW TOP OF DOOR (MEASURED FROM TOP OF DOOR TO TOP OF DOOR HOLDER)
 - 5.2. MUST BE LOCATED DOOR WIDTH MINUS THREE INCHES FROM DOOR (MEASURED FROM NEAREST EDGE OF HOLDER TO NEAREST EDGE OF DOOR).
6. FIRE ALARM CONTROL PANEL:
 - 6.1. MUST BE LOCATED AT MAXIMUM OF 72" A.F.F. (MEASURED FROM FINISH FLOOR TO TOP OF FIRE ALARM CONTROL PANEL)
7. FIRE ALARM ANNUNCIATOR:
 - 7.1. MUST BE LOCATED AT MAXIMUM OF 60" A.F.F. (MEASURED FROM FINISH FLOOR TO TOP OF FIRE ALARM ANNUNCIATOR PANEL)
8. WALL MOUNTED STROBE DEVICES (VISUAL ONLY):
 - 8.1. MUST BE LOCATED AT 84" A.F.F. (MEASURED FROM FINISH FLOOR TO BOTTOM OF BACK BOX)
 - 8.2. MUST BE LOCATED AT MOST 24" FROM WALL/CEILING INTERSECTION WITHIN HANDICAP BEDROOMS (MEASURED FROM WALL/CEILING INTERSECTION TO BOTTOM OF BACK BOX)
9. WALL-MOUNTED HORN / STROBE DEVICES (AUDIBLE & VISUAL):
 - 9.1. MUST BE LOCATED AT 84" A.F.F. (MEASURED FROM FINISH FLOOR TO BOTTOM OF BACK BOX)



KEY PLAN

SCALE: 1" = 50 ft



James Watson, P.E. November 1, 2023
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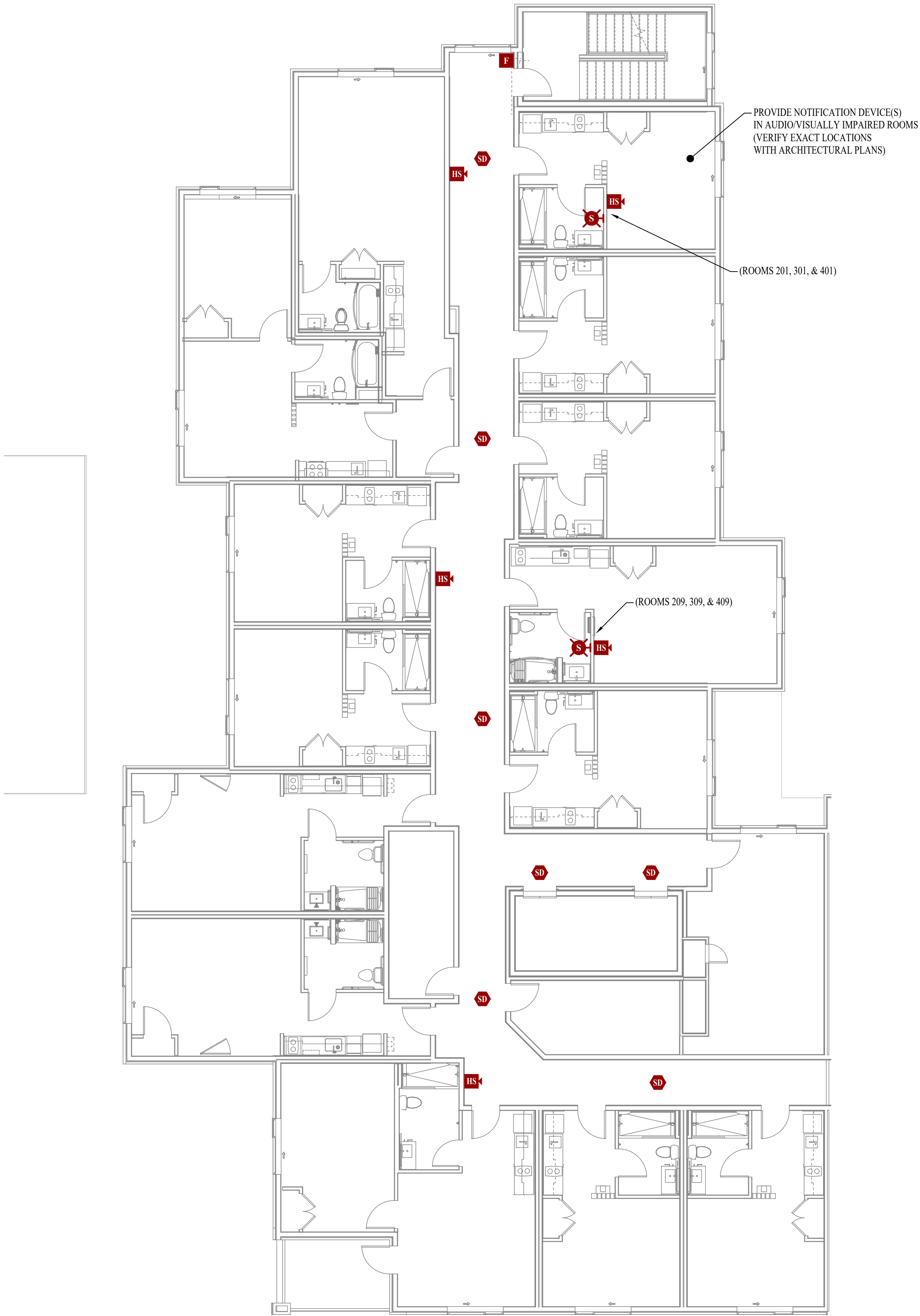
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SHEET TITLE

FIRE PROTECTION &
SECURITY SYSTEM PLAN
- 1ST FLOOR - AREA A

SHEET NUMBER

FS101



FIRE PROTECTION & SECURITY SYSTEM PLAN -
2ND-4TH FLOORS - AREA A

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

FIRE ALARM PLAN SYMBOL LEGEND

F	MANUAL PULL STATION
M	MODULE
O	OUTPUT MODULE
SD	SMOKE DETECTOR
S	STROBE - CEILING MOUNT
S	STROBE - WALL MOUNT
HS	HORN STROBE - WALL MOUNT
HS	HORN STROBE - CEILING MOUNT
SS	SPEAKER STROBE - WALL MOUNT
SS	SPEAKER STROBE - CEILING MOUNT
T	TAMPER SWITCH
WF	WATER FLOW SWITCH
FACP	FIRE ALARM CONTROL PANEL
ANN	FIRE ALARM ANNUNCIATOR

SECURITY PLAN SYMBOL LEGEND

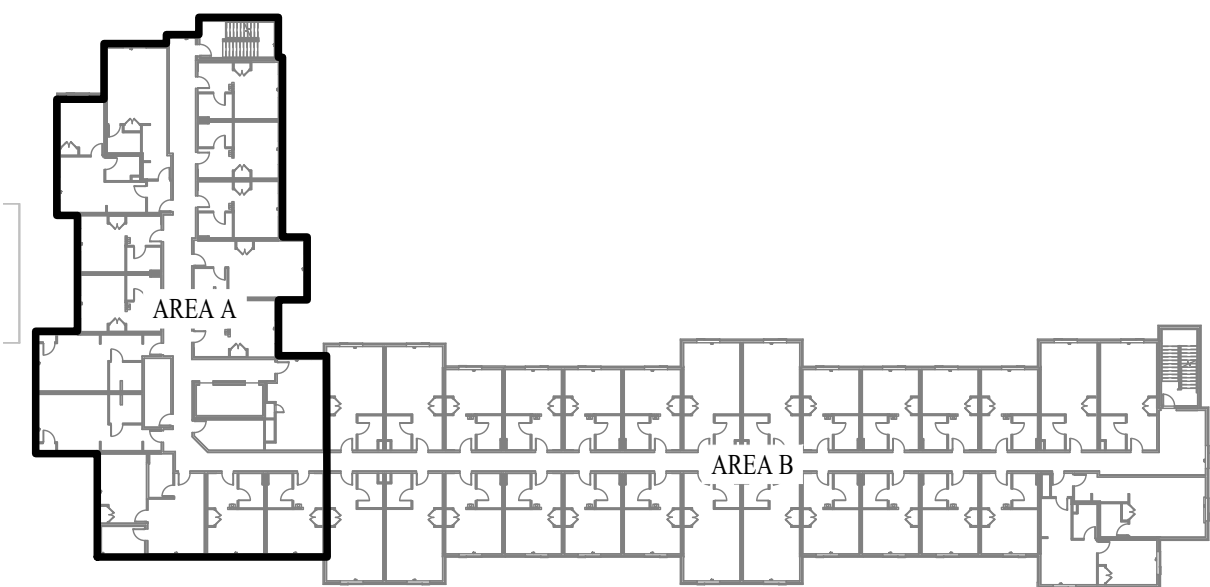
R	READER
M	MOTION DETECTOR
KP	ALARM KEYPAD
DC	DOOR CONTACT
P	PANIC
GB	GLASS BREAK SENSOR
ES	ELECTRIC STRIKE
I	INTERCOM
DR	DOOR RELEASE
A	DURESS ALARM BUTTON
BURG	BURGLAR PANEL
CW	WALL MOUNT CAMERA (ARROW INDICATES VIEW DIRECTION)
CC	CEILING MOUNT CAMERA (ARROW INDICATES VIEW DIRECTION)

FIRE ALARM SYSTEM SPECIFICATIONS

1. FIRE ALARM SYSTEM SHALL BE AN ADDRESSABLE SYSTEM THAT IS NONCODED, UL-LISTED, WITH MULTIPLEX SIGNAL TRANSMISSION AND HORN/STROBE EVACUATION.
2. EVERY FIRE ALARM SYSTEM COMPONENT SHALL BE UL-LISTED AND UL-CERTIFIED, TESTED BY MANUFACTURERS AS A COMPLETE SYSTEM, AND MEET ALL APPLICABLE REQUIREMENTS OF NFPA 72.
3. ALL FIRE ALARM WIRING TO BE PLENUM RATED.
4. ALL INITIATING DEVICES INSTALLED IN UNCONDITIONED SPACES SHALL BE CONVENTIONAL DEVICES SUITABLE FOR USE IN EXTREME HIGH AND LOW TEMPERATURES AND HIGH HUMIDITY. SUCH DEVICES SHALL BE SUPERVISED BY ADDRESSABLE MONITOR MODULES LOCATED IN CONDITIONED SPACES.
5. QUANTITIES, TYPES, AND LOCATIONS OF INITIATING DEVICES AND OUTPUT MODULES FOR INTERCONNECTION WITH FIRE SUPPRESSION MUST BE COORDINATED WITH CONTRACTORS THAT ARE RESPONSIBLE FOR THOSE SYSTEMS.

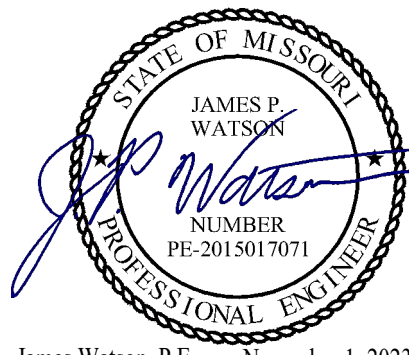
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KEY PLAN

SCALE: 1" = 50 ft



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J2 PROJECT No: J21006

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ISSUE TITLE DATE

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FIRE ALARM PLAN SYMBOL LEGEND

F	MANUAL PULL STATION
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SD	SMOKE DETECTOR
S	STROBE - CEILING MOUNT
S	STROBE - WALL MOUNT
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SECURITY PLAN SYMBOL LEGEND

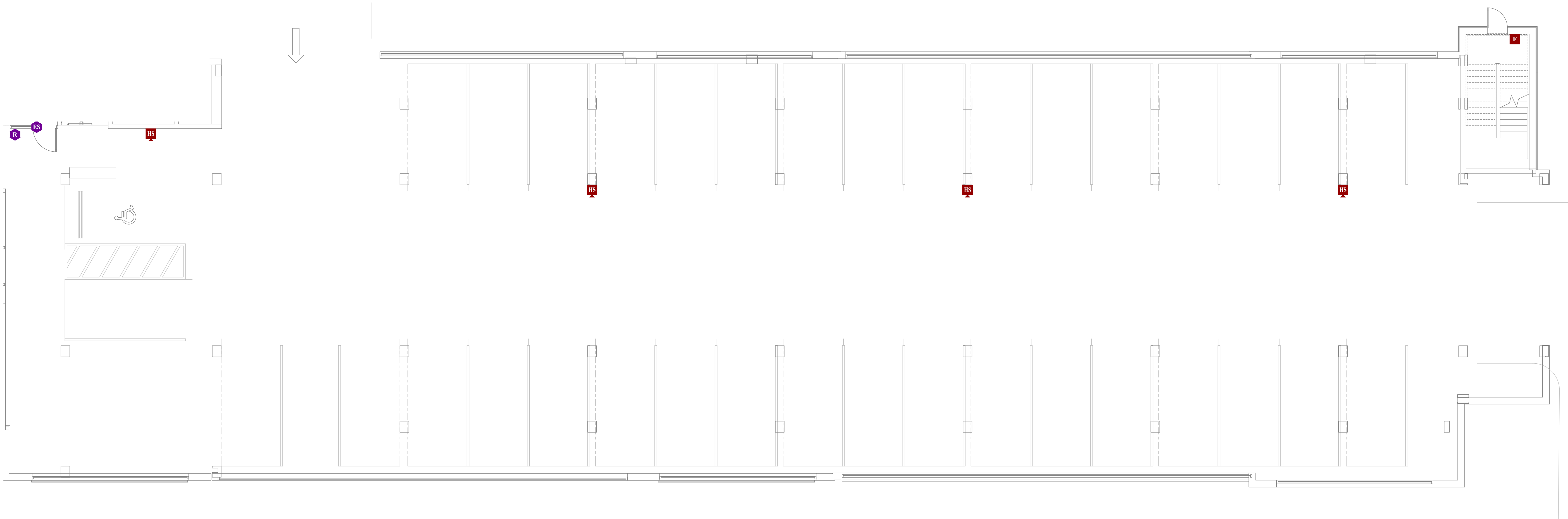
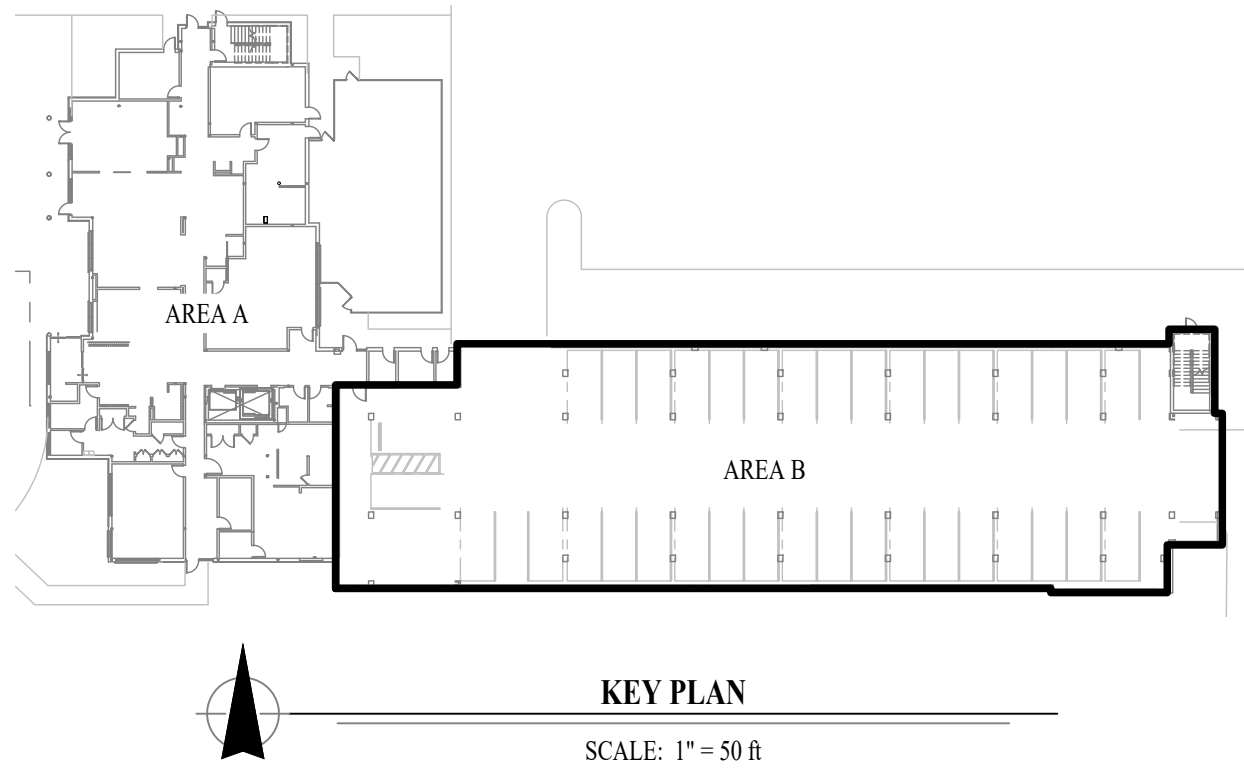
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M	MOTION DETECTOR
KP	ALARM KEYPAD
DC	DOOR CONTACT
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2. EVERY FIRE ALARM SYSTEM COMPONENT SHALL BE UL-LISTED AND UL-CERTIFIED, TESTED BY MANUFACTURERS AS A COMPLETE SYSTEM, AND MEET ALL APPLICABLE REQUIREMENTS OF NFPA 72.
3. ALL FIRE ALARM WIRING TO BE PLENUM RATED.
4. ALL INITIATING DEVICES INSTALLED IN UNCONDITIONED SPACES SHALL BE CONVENTIONAL DEVICES SUITABLE FOR USE IN EXTREME HIGH AND LOW TEMPERATURES AND HIGH HUMIDITY. SUCH DEVICES SHALL BE SUPERVISED BY ADDRESSABLE MONITOR MODULES LOCATED IN CONDITIONED SPACES.
5. QUANTITIES, TYPES, AND LOCATIONS OF INITIATING DEVICES AND OUTPUT MODULES FOR INTERCONNECTION WITH FIRE SUPPRESSION MUST BE COORDINATED WITH CONTRACTORS THAT ARE RESPONSIBLE FOR THOSE SYSTEMS.

FIRE ALARM DEVICE TYPICAL LOCATIONS:

1. VERIFY EXACT LOCATIONS WITH LATEST NFPA REQUIREMENTS;
2. CEILING MOUNTED SMOKE / HEAT DETECTORS:
 - 2.1. MUST BE MOUNTED AT LEAST 36" FROM HVAC GRILLES / DIFFUSERS
 - 2.2. MUST BE LOCATED AT LEAST 4" FROM WALL/CEILING INTERSECTIONS (MEASURED FROM EDGE OF DEVICE)
3. WALL MOUNTED SMOKE / HEAT DETECTORS:
 - 3.1. MUST BE LOCATED AT LEAST 4" FROM WALL/CEILING INTERSECTIONS (MEASURED FROM EDGE OF DEVICE)
 - 3.2. MUST BE LOCATED WITHIN AT LEAST 12" FROM WALL/CEILING INTERSECTION (MEASURED FROM EDGE OF DEVICE)
4. MANUAL PULL STATIONS:
 - 4.1. MUST BE LOCATED WITHIN 5' OF EXTERIOR DOORWAY (MEASURED FROM CENTER OF PULL STATION TO NEAREST EDGE OF DOOR)
 - 4.2. MUST BE LOCATED BETWEEN 42" AND 54" A.F.F. (MEASURED FROM FINISH FLOOR TO CENTER OFF PULL STATION)
5. MAGNETIC DOOR HOLDER:
 - 5.1. MUST BE LOCATED 6" BELOW TOP OF DOOR (MEASURED FROM TOP OF DOOR TO TOP OF DOOR HOLDER)
 - 5.2. MUST BE LOCATED DOOR WIDTH MINUS THREE INCHES FROM DOOR (MEASURED FROM NEAREST EDGE OF HOLDER TO NEAREST EDGE OF DOOR).
6. FIRE ALARM CONTROL PANEL:
 - 6.1. MUST BE LOCATED AT MAXIMUM OF 72" A.F.F. (MEASURED FROM FINISH FLOOR TO TOP OF FIRE ALARM CONTROL PANEL)
7. FIRE ALARM ANNUNCIATOR:
 - 7.1. MUST BE LOCATED AT MAXIMUM OF 60" A.F.F. (MEASURED FROM FINISH FLOOR TO TOP OF FIRE ALARM ANNUNCIATOR PANEL)
8. WALL MOUNTED STROBE DEVICES (VISUAL ONLY):
 - 8.1. MUST BE LOCATED AT 84" A.F.F. (MEASURED FROM FINISH FLOOR TO BOTTOM OF BACK BOX)
 - 8.2. MUST BE LOCATED AT MOST 24" FROM WALL/CEILING INTERSECTION WITHIN HANDICAP BEDROOMS (MEASURED FROM WALL/CEILING INTERSECTION TO BOTTOM OF BACK BOX)
9. WALL-MOUNTED HORN / STROBE DEVICES (AUDIBLE & VISUAL):
 - 9.1. MUST BE LOCATED AT 84" A.F.F. (MEASURED FROM FINISH FLOOR TO BOTTOM OF BACK BOX)



FIRE PROTECTION & SECURITY SYSTEM PLAN -
1ST FLOOR - AREA B

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

J2 PROJECT No: J21006

J2 DESIGN: ACW

ISSUE TITLE DATE

CITY SUBMISSION 11 / 01 / 2023

FIRE ALARM PLAN SYMBOL LEGEND

F	MANUAL PULL STATION
M	MODULE
O	OUTPUT MODULE
SD	SMOKE DETECTOR
S	STROBE - CEILING MOUNT
S	STROBE - WALL MOUNT
HS	HORN STROBE - WALL MOUNT
HS	HORN STROBE - CEILING MOUNT
SS	SPEAKER STROBE - WALL MOUNT
SS	SPEAKER STROBE - CEILING MOUNT
T	TAMPER SWITCH
WF	WATER FLOW SWITCH
FACP	FIRE ALARM CONTROL PANEL
ANN	FIRE ALARM ANNUNCIATOR

SECURITY PLAN SYMBOL LEGEND

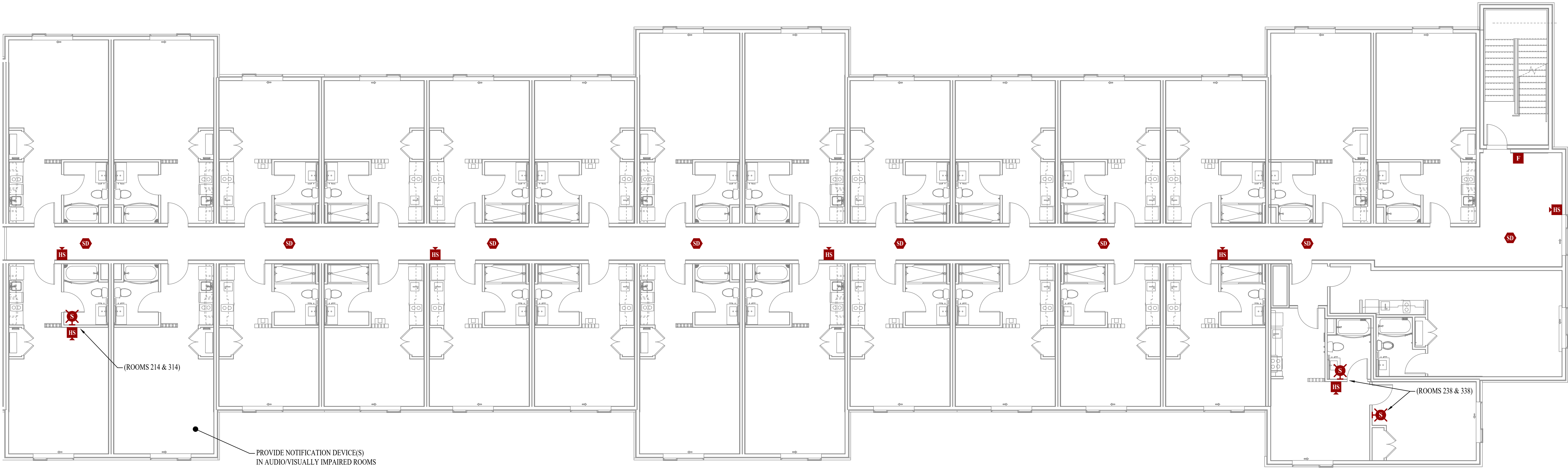
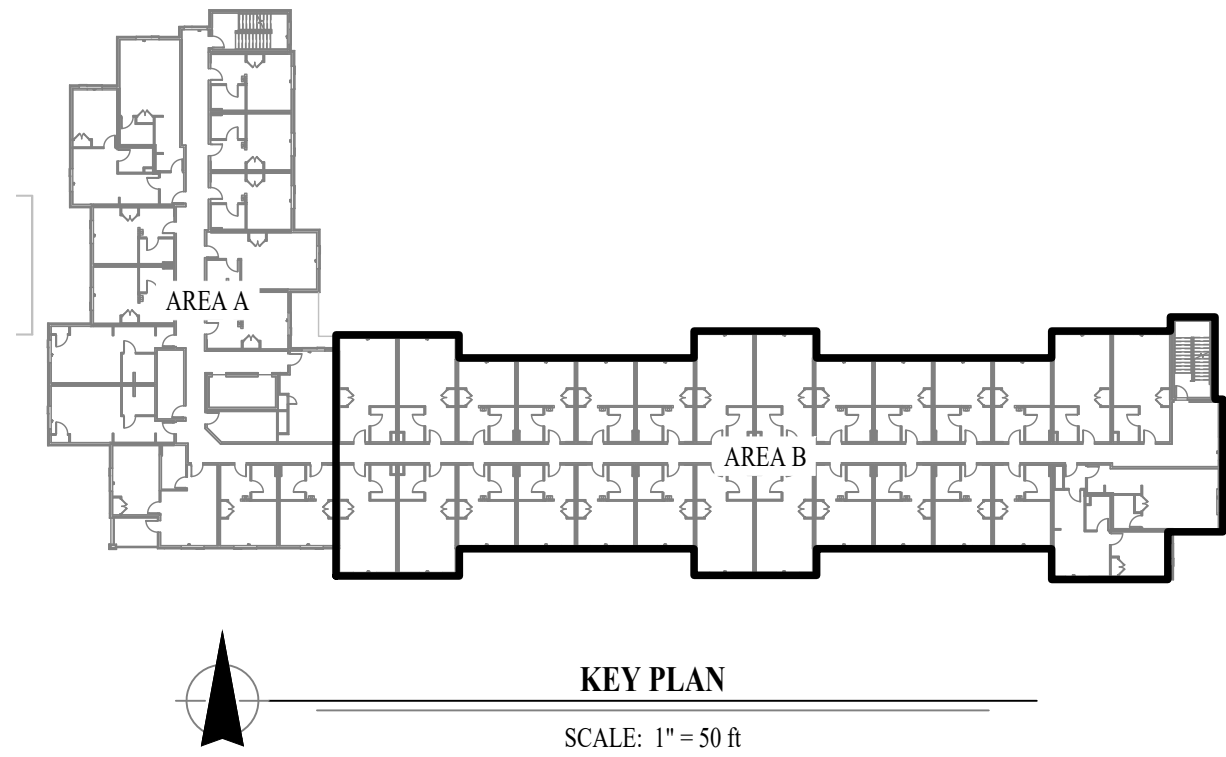
R	READER
M	MOTION DETECTOR
KP	ALARM KEYPAD
DC	DOOR CONTACT
P	PANIC
GB	GLASS BREAK SENSOR
ES	ELECTRIC STRIKE
I	INTERCOM
DR	DOOR RELEASE
A	DURESS ALARM BUTTON
BURG	BURGLAR PANEL
C _W	WALL MOUNT CAMERA (ARROW INDICATES VIEW DIRECTION)
C _C	CEILING MOUNT CAMERA (ARROW INDICATES VIEW DIRECTION)

FIRE ALARM SYSTEM SPECIFICATIONS

1. FIRE ALARM SYSTEM SHALL BE AN ADDRESSABLE SYSTEM THAT IS NONCODED, UL-LISTED, WITH MULTIPLEX SIGNAL TRANSMISSION AND HORN/STROBE EVACUATION.
2. EVERY FIRE ALARM SYSTEM COMPONENT SHALL BE UL-LISTED AND UL-CERTIFIED, TESTED BY MANUFACTURERS AS A COMPLETE SYSTEM, AND MEET ALL APPLICABLE REQUIREMENTS OF NFPA 72.
3. ALL FIRE ALARM WIRING TO BE PLENUM RATED.
4. ALL INITIATING DEVICES INSTALLED IN UNCONDITIONED SPACES SHALL BE CONVENTIONAL DEVICES SUITABLE FOR USE IN EXTREME HIGH AND LOW TEMPERATURES AND HIGH HUMIDITY. SUCH DEVICES SHALL BE SUPERVISED BY ADDRESSABLE MONITOR MODULES LOCATED IN CONDITIONED SPACES.
5. QUANTITIES, TYPES, AND LOCATIONS OF INITIATING DEVICES AND OUTPUT MODULES FOR INTERCONNECTION WITH FIRE SUPPRESSION MUST BE COORDINATED WITH CONTRACTORS THAT ARE RESPONSIBLE FOR THOSE SYSTEMS.

FIRE ALARM DEVICE TYPICAL LOCATIONS:

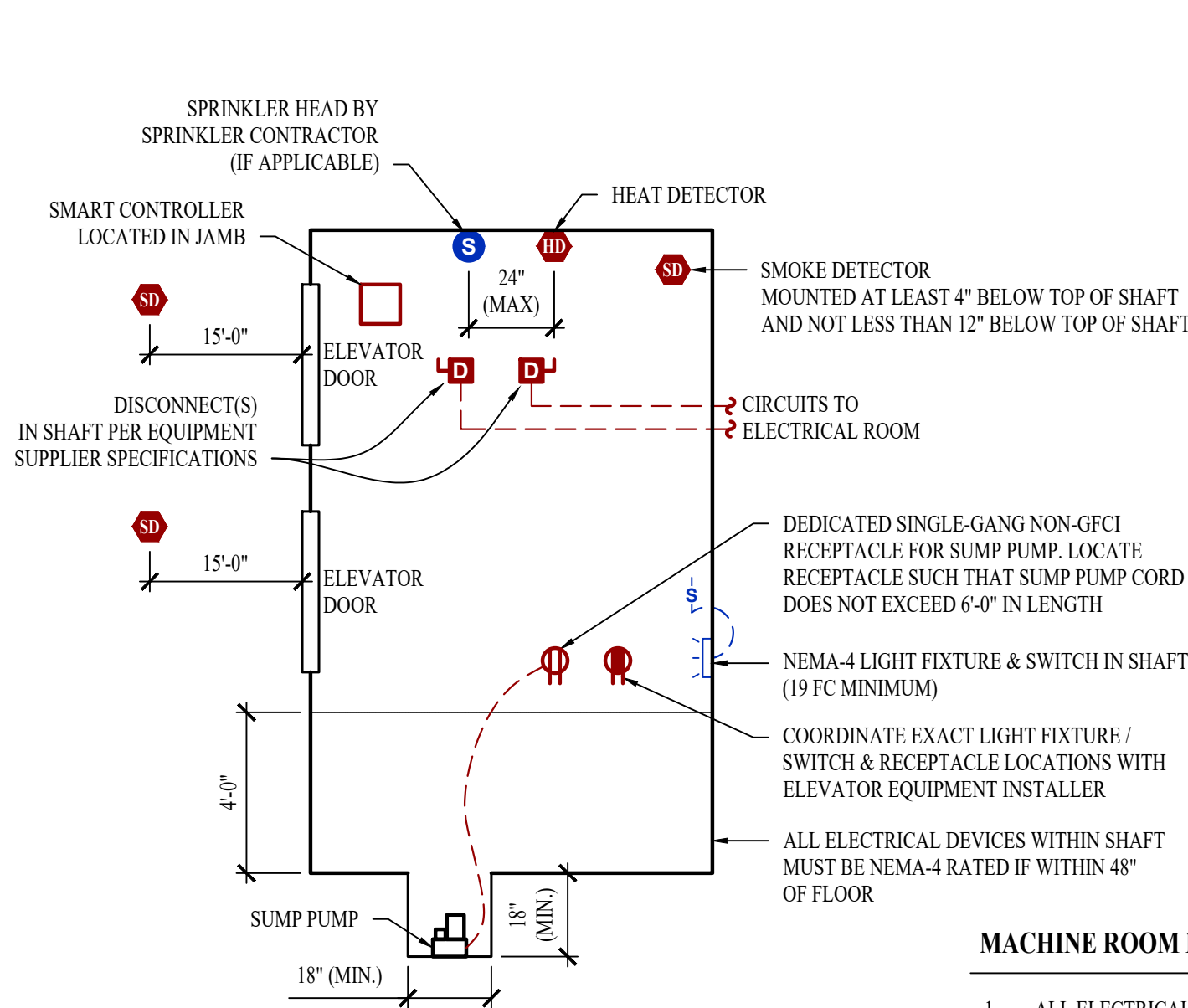
1. VERIFY EXACT LOCATIONS WITH LATEST NFPA REQUIREMENTS;
2. CEILING MOUNTED SMOKE / HEAT DETECTORS:
 - 2.1. MUST BE MOUNTED AT LEAST 36" FROM HVAC GRILLES / DIFFUSERS
 - 2.2. MUST BE LOCATED AT LEAST 4" FROM WALL/CEILING INTERSECTIONS (MEASURED FROM EDGE OF DEVICE)
3. WALL MOUNTED SMOKE / HEAT DETECTORS:
 - 3.1. MUST BE LOCATED AT LEAST 4" FROM WALL/CEILING INTERSECTIONS (MEASURED FROM EDGE OF DEVICE)
 - 3.2. MUST BE LOCATED WITHIN AT LEAST 12" FROM WALL/CEILING INTERSECTION (MEASURED FROM EDGE OF DEVICE)
4. MANUAL PULL STATIONS:
 - 4.1. MUST BE LOCATED WITHIN 5' OF EXTERIOR DOORWAY (MEASURED FROM CENTER OF PULL STATION TO NEAREST EDGE OF DOOR)
 - 4.2. MUST BE LOCATED BETWEEN 42" AND 54" A.F.F. (MEASURED FROM FINISH FLOOR TO CENTER OFF PULL STATION)
5. MAGNETIC DOOR HOLDER:
 - 5.1. MUST BE LOCATED 6" BELOW TOP OF DOOR (MEASURED FROM TOP OF DOOR TO TOP OF DOOR HOLDER)
 - 5.2. MUST BE LOCATED DOOR WIDTH MINUS THREE INCHES FROM DOOR (MEASURED FROM NEAREST EDGE OF HOLDER TO NEAREST EDGE OF DOOR).
6. FIRE ALARM CONTROL PANEL:
 - 6.1. MUST BE LOCATED AT MAXIMUM OF 72" A.F.F. (MEASURED FROM FINISH FLOOR TO TOP OF FIRE ALARM CONTROL PANEL)
7. FIRE ALARM ANNUNCIATOR:
 - 7.1. MUST BE LOCATED AT MAXIMUM OF 60" A.F.F. (MEASURED FROM FINISH FLOOR TO TOP OF FIRE ALARM ANNUNCIATOR PANEL)
8. WALL MOUNTED STROBE DEVICES (VISUAL ONLY):
 - 8.1. MUST BE LOCATED AT 84" A.F.F. (MEASURED FROM FINISH FLOOR TO BOTTOM OF BACK BOX)
 - 8.2. MUST BE LOCATED AT MOST 24" FROM WALL/CEILING INTERSECTION WITHIN HANDICAP BEDROOMS (MEASURED FROM WALL/CEILING INTERSECTION TO BOTTOM OF BACK BOX)
9. WALL-MOUNTED HORN / STROBE DEVICES (AUDIBLE & VISUAL):
 - 9.1. MUST BE LOCATED AT 84" A.F.F. (MEASURED FROM FINISH FLOOR TO BOTTOM OF BACK BOX)



FIRE PROTECTION & SECURITY SYSTEM PLAN -
2ND-4TH FLOORS - AREA B
SCALE: 1/8" = 1'-0"

ELECTRICAL SPECIFICATIONS

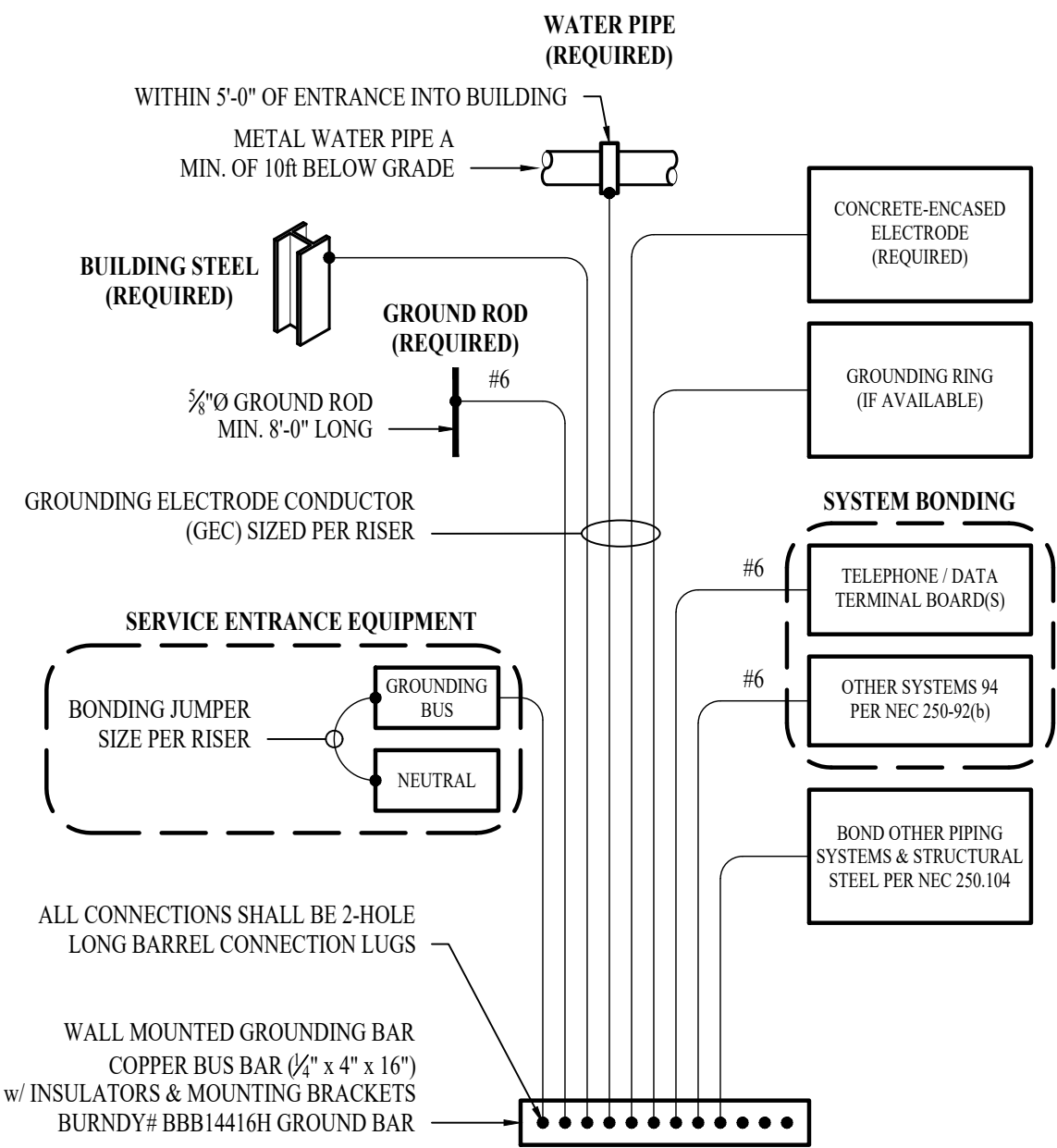
1. GENERAL
- 1.1. THE ENTIRE ELECTRICAL SYSTEM SHALL BE CONTINUOUSLY GROUNDED. EVERY BRANCH CONDUIT SHALL INCLUDE A GREEN GROUND CONDUCTOR SIZED PER NEC.
- 1.2. ARC-FAULT CIRCUITS SHALL BE RUN WITH A DEDICATED NEUTRAL AS REQUIRED BY MANUFACTURER.
- 1.3. PROVIDE PERMANENT ARC-FLASH LABEL AFFIXED TO EVERY DISCONNECT AND PANEL.
- 1.4. PROVIDE TYPE WRITTEN PANEL SCHEDULE FOR EACH PANEL.
2. MATERIALS
- 2.1. CONDUIT & CONDUCTORS
- 2.1.1. ALL CONDUCTORS SIZES INDICATED ON PLANS ARE COPPER UNLESS NOTED OTHERWISE.
- 2.1.2. ABOVE GRADE CONDUCTORS SHALL BE THIN COPPER. BELOW GRADE CONDUCTORS SHALL BE XHHW-2.
- 2.1.3. MINIMUM CONDUCTOR SIZE SHALL BE #12 UNLESS NOTED OTHERWISE. 120V, 20 AMP CIRCUITS WITH CONDUCTOR LENGTH GREATER THAN 100' SHALL BE MINIMUM #10. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MEASURING ACTUAL CONDUCTOR LENGTH AND INCREASING CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP AS REQUIRED BY NEC.
- 2.1.4. RIGID GALVANIZED OR SCHEDULE 40 PVC CONDUIT SHALL BE USED FOR SERVICE WIRING, BELOW GRADE INSTALLATIONS, OR WHERE EXPOSED TO WEATHER.
- 2.1.5. IN APPLICATIONS OTHER THAN THOSE LISTED IN 2.1.4, RIGID STEEL, EMT, OR IMC SHALL BE USED. PVC CONDUIT IS ACCEPTABLE EMBEDDED IN CONCRETE OR WITHIN MASONRY WALLS. BRANCH CIRCUITS SHALL BE COPPER IN CONDUIT. MC & AC MAY BE USED WHERE APPROVED BY AHJ.
- 2.2. DEVICES
- 2.2.1. CONTRACTOR TO PROVIDE J-BOXES, COVER PLATES, AND ANY ACCESSORIES REQUIRED TO PROVIDE A COMPLETE SYSTEM. SEE ARCHITECTURAL PLANS FOR DEVICE COLORS.
- 2.2.1. DUPLEX RECEPTACLES SHALL BE TAMPER RESISTANT, 20 AMP, EQUAL TO LEVITON CR20.
- 2.2.2. TOGGLE WALL SWITCHES SHALL BE EQUAL TO LEVITON CS120-2.
- 2.2.3. DIMMER SWITCHES SHALL BE TESTED WITH FIXTURES AND LAMPS FOR COMPATIBILITY.
3. EMERGENCY LIGHTING
- 3.1. THE BRANCH CIRCUIT FEEDING THE EMERGENCY FIXTURE SHALL BE THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA AND CONNECTED AHEAD OF ANY LOCAL SWITCHES.



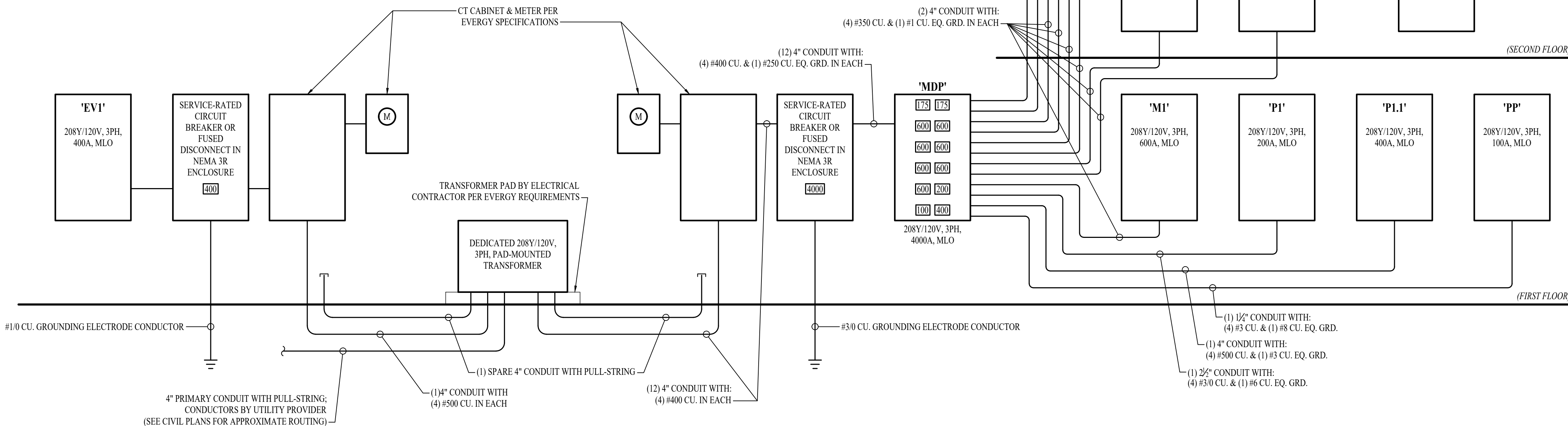
MACHINE ROOM NOTES:

- ALL ELECTRICAL CONDUCTORS WITHIN ELEVATOR PIT MUST COMPLY WITH NEC 620.21.
- SUMP PUMP RECEPTACLE, SHAFT / PIT RECEPTACLES, & SHAFT LIGHTING TO ALL BE ON EMERGENCY POWER IF ELEVATOR IS ON EMERGENCY POWER.
- ADDITIONAL SMOKE DETECTOR REQUIRED IN ELEVATOR MACHINE ROOM (IF APPLICABLE).
- IN CASES WHERE ELEVATOR IS NOT SHUNT-TRIP PROTECTED, A LABELED SPRINKLER SHUT-OFF MUST BE LOCATED OUTSIDE THE ELEVATOR HOISTWAY AND/OR EQUIPMENT ROOM.
- PERMANENTLY LABEL ALL CIRCUITS AND FEEDERS.
- SUMP PUMP DISCHARGE LINE SHALL BE HARD PIPED (NO PVC).

MACHINE - ROOM - LESS ELEVATOR DETAIL



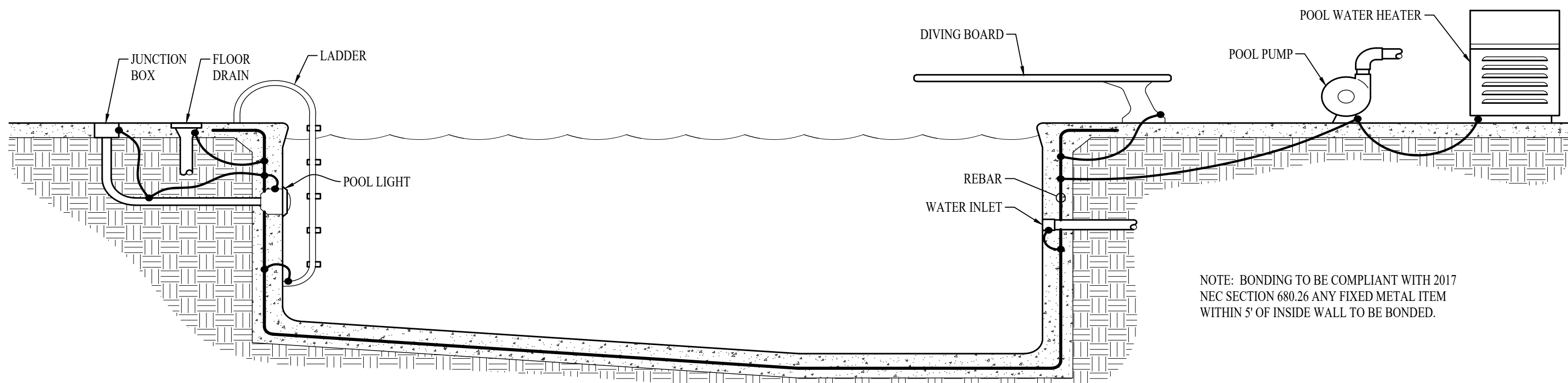
TYPICAL GROUNDING & BONDING DETAIL



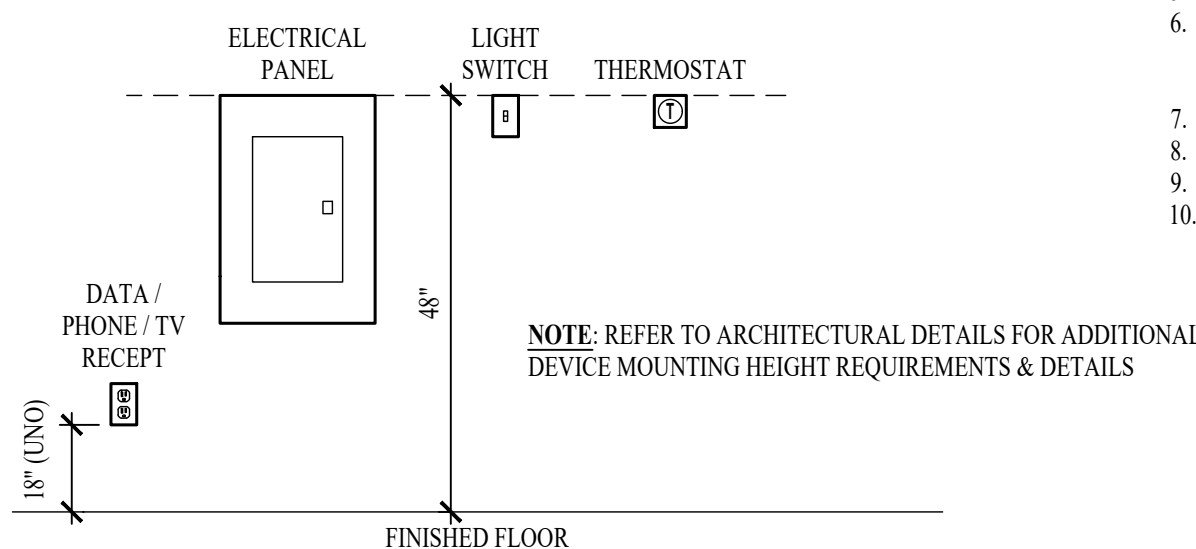
POWER RISER

POWER RISER GENERAL NOTES:

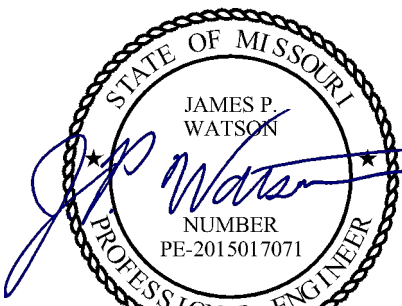
- SEE MEP SITE PLAN FOR APPROXIMATE TRANSFORMER & SERVICE ENTRANCE LOCATIONS.
- COORDINATE ALL DETAILS OF NEW ELECTRIC SERVICE WITH ENEC.
- CONTRACTOR SHALL PROVIDE A SHORT-CIRCUIT AND COORDINATION STUDY INCLUDING ARC FAULT ANALYSIS AND EQUIPMENT LABELING ON ALL SERVICE SWITCHBOARDS AND DISTRIBUTION BOARDS.
- AIC-RATINGS ARE BASED ON THE FOLLOWING:
 - TRANSFORMER LOCATED APPROXIMATELY WHERE SHOWN ON PLANS
 - 1000 KVA TRANSFORMER, 100% PF, 5.75% Z
 - ELECTRICAL CONTRACTOR TO RE-CALCULATE REQUIRED AIC-RATINGS IF FIELD CONDITIONS VARY FROM THOSE SHOWN ON PLANS.
- PERMANENTLY LABEL SERVICE DISCONNECTS AS "1 OF 2" & "2 OF 2".
- ELECTRICAL CONTRACTOR TO PERFORM SHORT CIRCUIT COORDINATION STUDY INCLUDING ARC FAULT ANALYSIS & INCLUDE EQUIPMENT LABELING ON ALL SWITCHBOARDS & DISTRIBUTION PANELS.
- ALL DEVICES IN MAIN DISTRIBUTION SHALL BE 100% CONTINUOUSLY RATED.
- PROVIDE SURGE PROTECTION & LIGHTING ARRESTORS ON EACH MAIN ELECTRICAL SERVICE.
- PROVIDE MEANS FOR ARC-ENERGY REDUCTION ON MAIN ELECTRIC SERVICE PER NEC 240.87.
- PROVIDE GFI PROTECTION ON MAIN ELECTRICAL SERVICE PER NEC 215.10.



POOL AREA EQUIPOTENTIAL BONDING DETAIL



TYPICAL ADA MOUNTING HEIGHTS DETAIL (ADA GUESTROOMS ONLY)



James Watson, P.E. November 1, 2023
PE-2015017071
MO Certificate of Authority # 2018029680



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J2 PROJECT No: J21006

J2 DESIGN: ACW

ISSUE TITLE DATE

CITY SUBMISSION 11 / 01 / 2023

MAIN DISTRIBUTION PANEL SCHEDULE 'MDP'									
VOLTAGE		PANEL SIZE		MOUNTING		ARC RATING			
208Y/120V 3-PH		400A MLO		SURFACE		65,000	PHASE "A" LOAD		
							PHASE "B" LOAD		
NEMA RATING: 1							PHASE "C" LOAD		
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION		
1	PANEL 'P2A'	600-3	366	A	137	175-3	DOAS-1		
2	-	-	366	B	137	-	-		
3	-	-	366	C	137	-	-		
4	PANEL 'P2B'	600-3	426	A	137	175-3	DOAS-2		
5	-	-	421.5	B	137	-	-		
6	-	-	351	C	137	-	-		
7	PANEL 'P3A'	600-3	366	A	520	600-3	PANEL 'M1'		
8	-	-	366	B	553	-	-		
9	-	-	366	C	510	-	-		
10	PANEL 'P3B'	600-3	426	A	155	200-3	PANEL 'P1'		
11	-	-	421.5	B	158.5	-	-		
12	-	-	351	C	150.5	-	-		
13	PANEL 'P4A'	600-3	366	A	204	400-3	PANEL 'P1.1'		
14	-	-	366	B	230.5	-	-		
15	-	-	366	C	183	-	-		
16	PANEL 'P4B'	600-3	426	A	32.5	100-3	PANEL 'P2'		
17	-	-	427.5	B	37	-	-		
18	-	-	351	C	16	-	-		
19	OPEN			A			OPEN		
20	OPEN			B			OPEN		
21	OPEN			C			OPEN		
22	OPEN			A			OPEN		
23	OPEN			B			OPEN		
24	OPEN			C			OPEN		
NOTES:									
A:	PANEL SHALL BE EQUAL TO SQUARE D 'QED-2' SERIES SWITCHBOARD								
B:	ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INSTALL								
C:	AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL								
D:	GUESTROOM ELECTRICAL LOADS AND DISTRIBUTION PANEL LOADS HAVE BEEN CALCULATED PER NEC ARTICLE 220								

TYPICAL GUESTROOM PANEL 'PXXX' SCHEDULE										
VOLTAGE		PANEL SIZE		MOUNTING		ARC RATING				
120/208V 1-PH		100A MLO		RECESSED		10,000		PHASE "A" LOAD		
								PHASE "B" LOAD		
NEMA RATING: 1										
CIRCUIT NUMBER	DESCRIPTION			BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER
1	BATHROOM			20-1	15	A	20	30-2	COOKTOP	2
3	CONVENIENCE RECEP.TS			15-1	10	B	20	-	-	4
5	CONVENIENCE RECEP.TS			15-1	10	A	16	20-2	PTAC	6
7	KITCHENETTE RECEP.TS			20-1	8	B	16	-	-	8
9	KITCHENETTE RECEP.TS			20-1	8	A	8	20-1	DISHWASHER/DISPOSAL	10
11	MICROWAVE RANGE/HOOD			20-1	8	B	-	20-1	SPARE	12
13	LIGHTING			15-1	5	A	-	-	OPEN	14
15	SPARE			15-1	-	B	-	-	OPEN	16
17	OPEN			-	-	A	16	20-2	PTAC (IF APPLICABLE)	18
19	OPEN			-	-	B	16	-	-	20
NOTES:										
A: PANEL SHALL BE EQUAL TO SQUARE D MODEL 'HOMELINE' SERIES										
B: ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INSTALL										
C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL										
D: OUTLETS SHOWN ABOVE IN BOLD ITALIC FONT SHALL BE ARC PROTECTED										

PANEL 'EVI' SCHEDULE									
VOLTAGE		PANEL SIZE		MOUNTING		ARC RATING			
208Y/120V 3-PH		400A MLO		SURFACE		22,000		PHASE "A" LOAD	
								PHASE "B" LOAD	
NEMA RATING: 1								PHASE "C" LOAD	
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	EXTERIOR EV-CHARGING STATION	50-2	40	A	40	50-2	GARAGE EV-CHARGING STATION	2	
3	-	-	40	B	40	-	-	4	
5	EXTERIOR EV-CHARGING STATION	50-2	40	C	40	50-2	GARAGE EV-CHARGING STATION	6	
7	-	-	40	A	40	-	-	8	
9	EXTERIOR EV-CHARGING STATION	50-2	40	B	-	50-2	SPARE	10	
11	-	-	40	C	-	-	-	12	
13	EXTERIOR EV-CHARGING STATION	50-2	40	A	-	50-2	SPARE	14	
15	-	-	-	B	-	-	-	16	
17	OPEN			C	-	-	OPEN	18	
19	OPEN			A	-	-	OPEN	20	
21	OPEN			B	-	-	OPEN	22	
23	OPEN			C	-	-	OPEN	24	
25	OPEN			A	-	-	OPEN	26	
27	OPEN			B	-	-	OPEN	28	
29	OPEN			C	-	-	OPEN	30	
NOTES:									
A: PANEL SHALL BE EQUAL TO SQUARE D MODEL "QO"									
B: ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INSTALL.									
C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.									

POOL PANEL 'PP' SCHEDULE											
VOLTAGE		PANEL SIZE		MOUNTING		ARC RATING					
208Y/120V 3-PH		100A MLO		RECESSED		10,000		PHASE "A" LOAD			
								PHASE "B" LOAD			
NEMA RATING: 3R								PHASE "C" LOAD			
CIRCUIT NUMBER	DESCRIPTION				BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER
1	POOL STORAGE RECEP.TS				20-1	4.5	A	14	20-2	WALL HEATER	2
3	POOL EQUIPMENT RECEP.TS				20-1	3	B	14	-	-	4
5	LIGHTING				20-1	2	C	14	20-2	WALL HEATER	6
7	SPARE				20-1	-	A	14	-	-	8
9	SPARE				20-1	-	B	-	-	OPEN	10
11	SPARE				20-1	-	C	-	-	OPEN	12
13	SPARE				20-1	-	A	-	-	OPEN	14
15	SPARE				20-1	-	B	-	-	OPEN	16
17	SPARE				20-1	-	C	-	-	OPEN	18
19	SPARE				20-1	-	A	-	-	OPEN	20
21	SPARE				20-1	-	B	-	-	OPEN	22
23	SPARE				20-1	-	C	-	-	OPEN	24
NOTES:											
A. PANEL SHALL BE EQUAL TO SQUARE D MODEL "QO"											
B. ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INSTALL											
C. AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL											

PANEL 'M1' SCHEDULE									
VOLTAGE		PANEL SIZE		MOUNTING		ARC RATING			
208Y/120V 3-PH		600A MLO		SURFACE		42,000		PHASE "A" LOAD	
								PHASE "B" LOAD	
NEMA RATING: 1								PHASE "C" LOAD	
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	AHU-1	35-2	24	A	48	60-2	AHU-7	2	
3	-	-	24	B	48	-	-	4	
5	CU-1	20-2	12	C	27	45-2	CU-7	6	
7	-	-	12	A	27	-	-	8	
9	AHU-2	35-2	24	B	33	35-2	AHU-8	10	
11	-	-	24	C	33	-	-	12	
13	CU-2	20-2	12	A	12	20-2	CU-8	14	
15	-	-	12	B	12	-	-	16	
17	AHU-3	60-2	48	C	48	60-2	AHU-9	18	
19	-	-	48	A	48	-	-	20	
21	CU-3	45-2	27	B	17	25-2	CU-9	22	
23	-	-	27	C	17	-	-	24	
25	AHU-4	35-2	24	A	33	35-2	AHU-10	26	
27	-	-	24	B	33	-	-	28	
29	CU-4	30-2	18	C	18	30-2	CU-10	30	
31	-	-	18	A	18	-	-	32	
33	AHU-5	60-2	48	B	48	60-2	AHU-11	34	
35	-	-	48	C	48	-	-	36	
37	CU-5	30-2	19	A	19	30-2	CU-11	38	
39	-	-	19	B	19	-	-	40	
41	AHU-6	35-2	24	C	-	20-1	SPARE	42	
43	-	-	24	A	8	20-1	WATER HEATER	44	
45	AHU-6	60-2	48	B	-	20-1	SPARE	46	
47	-	-	48	C	-	20-1	SPARE	48	
49	CU-6	50-2	33	A	8	20-1	WATER HEATER	50	
51	-	-	33	B	-	20-1	SPARE	52	
53	GARAGE HEATER	20-3	14	C	-	20-1	SPARE	54	
55	-	-	14	A	8	20-1	WATER HEATER	56	
57	-	-	14	B	-	20-1	SPARE	58	
59	GARAGE HEATER	20-3	14	C	-	20-1	SPARE	60	
61	-	-	14	A	8	20-1	WATER HEATER	62	
63	-	-	14	B	-	20-1	SPARE	64	
65	GARAGE HEATER	20-3	14	C	-	20-1	SPARE	66	
67	-	-	14	A	8	20-1	WATER HEATER	68	
69	-	-	14	B	-	20-1	SPARE	70	
71	GARAGE HEATER	20-3	14	C	-	20-1	SPARE	72	
73	-	-	14	A	-	20-1	WATER FILTRATION SYSTEM	74	
75	-	-	14	B	14	20-2	WALL HEATER	76	
77	OPEN			C	14	-	-	78	
79	OPEN			A	14	20-2	WALL HEATER	80	
81	OPEN			B	14	-	-	82	
83	OPEN			C	-	20-1	SPARE	84	

NOTES:

A. PANEL SHALL BE EQUAL TO SQUARE D MODEL "QO"

B. ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INSTALL.

C. AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.

PANEL 'P1.1' SCHEDULE									
VOLTAGE		PANEL SIZE		MOUNTING		AIC RATING			
208Y/120V 3-PH		400A MLO		SURFACE		42,000		PHASE "A" LOAD	204
								PHASE "B" LOAD	230.5
NEMA RATING: 1								PHASE "C" LOAD	183
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	BUFFET EQUIPMENT	20-1	8	A	20	30-2	WASHING MACHINE	2	
3	BUFFET EQUIPMENT	20-1	8	B	20	-	-	4	
5	BUFFET EQUIPMENT	20-1	8	C	-	-	OPEN	6	
7	BUFFET EQUIPMENT	20-1	8	A	-	-	OPEN	8	
9	BUFFET EQUIPMENT	20-1	8	B	20	30-2	WASHING MACHINE	10	
11	BUFFET EQUIPMENT	20-1	8	C	20	-	-	12	
13	BUFFET EQUIPMENT	20-1	8	A	10	20-1	DRYER	14	
15	BUFFET EQUIPMENT	20-1	8	B	10	20-1	DRYER	16	
17	BUFFET EQUIPMENT	20-1	8	C	-	-	OPEN	18	
19	BUFFET EQUIPMENT	20-1	8	A	42	60-3 ST	ELEVATOR	20	
21	BUFFET EQUIPMENT	20-1	8	B	42	-	-	22	
23	EXTERIOR RECEPIS.	20-1	3	C	42	-	-	24	
25	ACCESS CONTROL GATE	20-1	5	A	-	ST	SHUNT TRIP SPACE	26	
27	ACCESS CONTROL GATE	20-1	5	B	5	20-1 ST	ELEVATOR LIGHTS & MISC.	28	
29	SPARE	20-1	-	C	-	ST	SHUNT TRIP SPACE	30	
31	LAUNDRY RECEPIS.	20-1	7.5	A	-	-	OPEN	32	
33	LAUNDRY RECEPIS.	20-1	4.5	B	42	60-3 ST	ELEVATOR	34	
35	LAUNDRY RECEPIS.	20-1	3	C	42	-	-	36	
37	BREAK ROOM RECEPT	20-1	5	A	42	-	-	38	
39	BREAK ROOM RECEPT	20-1	5	B	-	ST	SHUNT TRIP SPACE	40	
41	BREAK ROOM RECEPT	20-1	5	C	5	20-1 ST	ELEVATOR LIGHTS & MISC.	42	
43	BREAK ROOM RECEPT	20-1	5	A	-	-	SHUNT TRIP SPACE	44	
45	EXTERIOR RECEPIS.	20-1	6	B	-	-	OPEN	46	
47	GARAGE RECEPIS.	20-1	3	C	-	-	OPEN	48	
49	GARAGE RECEPIS.	20-1	3	A	-	-	OPEN	50	
51	STAIR LIGHTING	20-1	5	B	-	-	OPEN	52	
53	STAIR LIGHTING	20-1	5	C	-	-	OPEN	54	
55	INTERIOR LIGHTING	20-1	10	A	-	-	OPEN	56	
57	INTERIOR LIGHTING	20-1	10	B	-	-	OPEN	58	
59	INTERIOR LIGHTING	20-1	10	C	-	-	OPEN	60	
61	EXTERIOR LIGHTING	20-1	10	A	-	-	OPEN	62	
63	SPARE	20-1	-	B	-	-	OPEN	64	
65	SPARE	20-1	-	C	-	-	OPEN	66	
67	FOOD PREP COUNTER RECEPTS	20-1	3	A	-	-	OPEN	68	
69	FOOD PREP REFRIGERATOR	20-1	8	B	-	-	OPEN	70	
71	FOOD PREP COFFEE MAKER	20-1	8	C	-	-	OPEN	72	
73	FOOD PREP COUNTER RECEPT	20-1	1.5	A	-	-	OPEN	74	
75	FOOD PREP MICROWAVE	20-1	8	B	-	-	OPEN	76	
77	FOOD PREP DISHWASHER	20-1	8	C	-	-	OPEN	78	
79	FOOD PREP REFRIGERATOR	20-1	8	A	-	-	OPEN	80	
81	FOOD PREP REFRIGERATOR	20-1	8	B	-	-	OPEN	82	
83	FOOD PREP RECEPTS.	20-1	5	C	-	-	OPEN	84	
NOTES: A: PANEL SHALL BE EQUAL TO SQUARE D MODEL "OO" B: ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INSTALL. C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.									

DISTRIBUTION PANEL 'P2A'									
VOLTAGE		PANEL SIZE		MOUNTING		AIC RATING			
208Y/120V 3-PH		600A MLO		SURFACE		22,000		PHASE "A" LOAD	366
								PHASE "B" LOAD	366
NEMA RATING: 1								PHASE "C" LOAD	366
DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION			
GUESTROOM 200 PANEL	100-2	65	A	65	100-2	GUESTROOM 212 PANEL			
-	-	65	B	65	-	-			
GUESTROOM 201 PANEL	100-2	65	C	65	100-2	GUESTROOM 213 PANEL			
-	-	65	A	65	-	-			
GUESTROOM 202 PANEL	100-2	65	B	65	100-2	GUESTROOM 214 PANEL			
-	-	65	C	65	-	-			
GUESTROOM 203 PANEL	100-2	65	A	65	100-2	GUESTROOM 215 PANEL			
-	-	65	B	65	-	-			
GUESTROOM 204 PANEL	100-2	65	C	65	100-2	GUESTROOM 216 PANEL			
-	-	65	A	65	-	-			
GUESTROOM 205 PANEL	100-2	65	B	65	100-2	GUESTROOM 217 PANEL			
-	-	65	C	65	-	-			
GUESTROOM 206 PANEL	100-2	65	A	65	100-2	GUESTROOM 218 PANEL			
-	-	65	B	65	-	-			
GUESTROOM 207 PANEL	100-2	65	C	65	100-2	GUESTROOM 219 PANEL			
-	-	65	A	65	-	-			
GUESTROOM 208 PANEL	100-2	65	B	65	100-2	GUESTROOM 220 PANEL			
-	-	65	C	65	-	-			
GUESTROOM 209 PANEL	100-2	65	A	65	100-2	GUESTROOM 221 PANEL			
-	-	65	B	65	-	-			
GUESTROOM 210 PANEL	100-2	65	C	65	100-2	SPARE			
-	-	65	A	-	-	-			
GUESTROOM 211 PANEL	100-2	65	B	-	-	OPEN			
-	-	-	C	-	-	OPEN			
OPEN	-	-	A	-	-	OPEN			
OPEN	-	-	B	-	-	OPEN			
OPEN	-	-	C	-	-	OPEN			
NOTES: A: PANEL SHALL BE EQUAL TO SQUARE D "H-LINE" SERIES B: ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INSTALL. C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL. D: GUESTROOM ELECTRICAL LOADS AND DISTRIBUTION PANEL TOTAL LOAD HAVE BEEN CALCULATED PER NEC ARTICLE 220									

DISTRIBUTION PANEL 'P2B'									
VOLTAGE		PANEL SIZE		MOUNTING		AIC RATING			
208Y/120V 3-PH		600A MLO		SURFACE		22,000		PHASE "A" LOAD	426
								PHASE "B" LOAD	421.5
NEMA RATING: 1								PHASE "C" LOAD	351
DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION			
GUESTROOM 222 PANEL	100-2	65	A	65	100-2	GUESTROOM 234 PANEL			
-	-	65	B	65	-	-			
GUESTROOM 223 PANEL	100-2	65	C	65	100-2	GUESTROOM 235 PANEL			
-	-	65	A	65	-	-			
GUESTROOM 224 PANEL	100-2	65	B	65	100-2	GUESTROOM 236 PANEL			
-	-	65	C	65	-	-			
GUESTROOM 225 PANEL	100-2	65	A	65	100-2	GUESTROOM 237 PANEL			
-	-	65	B	65	-	-			
GUESTROOM 226 PANEL	100-2	65	C	65	100-2	GUESTROOM 238 PANEL			
-	-	65	A	65	-	-			
GUESTROOM 227 PANEL	100-2	65	B	65	100-2	GUESTROOM 239 PANEL			
-	-	65	C	65	-	-			
GUESTROOM 228 PANEL	100-2	65	A	65	100-2	GUESTROOM 240 PANEL			
-	-	65	B	65	-	-			
GUESTROOM 229 PANEL	100-2	65	C	65	100-2	GUESTROOM 241 PANEL			
-	-	65	A	65	-	-			
GUESTROOM 230 PANEL	100-2	65	B	75	100-2	PANEL 'P2.1'			
-	-	65	C	70.5	-	-			
GUESTROOM 231 PANEL	100-2	65	A	-	100-2	SPARE			
-	-	65	B	-	-	-			
GUESTROOM 232 PANEL	100-2	65	C	-	-	OPEN			
-	-	65	A	-	-	OPEN			
GUESTROOM 233 PANEL	100-2	65	B	-	-	OPEN			
-	-	65	C	-	-	OPEN			
OPEN	-	-	A	-	-	OPEN			
OPEN	-	-	B	-	-	OPEN			
OPEN	-	-	C	-	-	OPEN			
NOTES: A: PANEL SHALL BE EQUAL TO SQUARE D "H-LINE" SERIES B: ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INSTALL. C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL. D: GUESTROOM ELECTRICAL LOADS AND DISTRIBUTION PANEL TOTAL LOAD HAVE BEEN CALCULATED PER NEC ARTICLE 220									

DISTRIBUTION PANEL 'P3A'									
VOLTAGE		PANEL SIZE		MOUNTING		AIC RATING			
208Y/120V 3-PH		600A MLO		SURFACE		22,000		PHASE "A" LOAD	366
								PHASE "B" LOAD	366
NEMA RATING: 1								PHASE "C" LOAD	366
DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION			
GUESTROOM 300 PANEL	100-2	65	A	65	100-2	GUESTROOM 312 PANEL			
-	-	65	B	65	-	-			
GUESTROOM 301 PANEL	100-2	65	C	65	100-2	GUESTROOM 313 PANEL			
-	-	65	A	65	-	-			
GUESTROOM 302 PANEL	100-2	65	B	65	100-2	GUESTROOM 314 PANEL			
-	-	65	C	65	-	-			
GUESTROOM 303 PANEL	100-2	65	A	65	100-2	GUESTROOM 315 PANEL			
-	-	65	B	65	-	-			
GUESTROOM 304 PANEL	100-2	65	C	65	100-2	GUESTROOM 316 PANEL			
-	-	65	A	65	-	-			
GUESTROOM 305 PANEL	100-2	65	B	65	100-2	GUESTROOM 317 PANEL			
-	-	65	C	65	-	-			
GUESTROOM 306 PANEL	100-2	65	A	65	100-2	GUESTROOM 318 PANEL			
-	-	65	B	65	-	-			
GUESTROOM 307 PANEL	100-2	65	C	65	100-2	GUESTROOM 319 PANEL			
-	-	65	A	65	-	-			
GUESTROOM 308 PANEL	100-2	65	B	65	100-2	GUESTROOM 320 PANEL			
-	-	65	C	65	-	-			
GUESTROOM 309 PANEL	100-2	65	A	65	100-2	GUESTROOM 321 PANEL			
-	-	65	B	65	-	-			
GUESTROOM 310 PANEL	100-2	65	C	-	100-2	SPARE			
-	-	65	A	-	-	-			
GUESTROOM 311 PANEL	100-2	65	B	-	-	OPEN			
-	-	-	C	-	-	OPEN			
OPEN	-	-	A	-	-	OPEN			
OPEN	-	-	B	-	-	OPEN			
OPEN	-	-	C	-	-	OPEN			
NOTES: A: PANEL SHALL BE EQUAL TO SQUARE D "H-LINE" SERIES B: ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INSTALL. C: AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL. D: GUESTROOM ELECTRICAL LOADS AND DISTRIBUTION PANEL TOTAL LOAD HAVE BEEN CALCULATED PER NEC ARTICLE 220									

DISTRIBUTION PANEL 'P3B'										
VOLTAGE		PANEL SIZE		MOUNTING		AIC RATING				
208Y/120V 3-PH		600A MLO		SURFACE		22,000		PHASE "A" LOAD		426
PHASE "B" LOAD								421.5		
NEMA RATING: 1								PHASE "C" LOAD		351
DESCRIPTION		BREAKER SIZE	AMP'S	PHASE	AMP'S	BREAKER SIZE	DESCRIPTION			
GUESTROOM 322 PANEL		100-2	65	A	65	100-2	GUESTROOM 334 PANEL			
-		-	65	B	65	-	-			
GUESTROOM 323 PANEL		100-2	65	C	65	100-2	GUESTROOM 335 PANEL			
-		-	65	A	65	-	-			
GUESTROOM 324 PANEL		100-2	65	B	65	100-2	GUESTROOM 336 PANEL			
-		-	65	C	65	-	-			
GUESTROOM 325 PANEL		100-2	65	A	65	100-2	GUESTROOM 337 PANEL			
-		-	65	B	65	-	-			
GUESTROOM 326 PANEL		100-2	65	C	65	100-2	GUESTROOM 338 PANEL			
-		-	65	A	65	-	-			
GUESTROOM 327 PANEL		100-2	65	B	65	100-2	GUESTROOM 339 PANEL			
-		-	65	C	65	-	-			
GUESTROOM 328 PANEL		100-2	65	A	65	100-2	GUESTROOM 340 PANEL			
-		-	65	B	65	-	-			
GUESTROOM 329 PANEL		100-2	65	C	65	100-2	GUESTROOM 341 PANEL			
-		-	65	A	65	-	-			
GUESTROOM 330 PANEL		100-2	65	B	75	100-2	PANEL 'P3.1'			
-		-	65	C	70.5	-	-			
GUESTROOM 331 PANEL		100-2	65	A	-	100-2	SPARE			
-		-	65	B	-	-	-			
GUESTROOM 332 PANEL		100-2	65	C	-	-	OPEN			
-		-	65	A	-	-	OPEN			
GUESTROOM 333 PANEL		100-2	65	B	-	-	OPEN			
-		-	65	C	-	-	OPEN			
OPEN		-	-	A	-	-	OPEN			
OPEN		-	-	B	-	-	OPEN			
OPEN		-	-	C	-	-	OPEN			

NOTES:

A:

PANEL SHALL BE EQUAL TO SQUARE D "MAIN" SERIES

B:

ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INST. ALL.

C:

AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.

D:

GUESTROOM ELECTRICAL LOADS AND DISTRIBUTION PANEL TOTAL LOAD HAVE BEEN CALCULATED PER NEC ARTICLE 220

DISTRIBUTION PANEL 'P4B'									
VOLTAGE		PANEL SIZE		MOUNTING		AIC RATING			
208Y/120V3-PH		600A MLO		SURFACE		22,000		PHASE "A" LOAD	426
NEMA RATING 1								PHASE "B" LOAD	427.5
								PHASE "C" LOAD	351
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	GUESTROOM 422 PANEL	100-2	65	A	65	100-2	GUESTROOM 434 PANEL		
2	-	-	65	B	65	-	-		
3	GUESTROOM 423 PANEL	100-2	65	C	65	100-2	GUESTROOM 435 PANEL		
4	-	-	65	A	65	-	-		
5	GUESTROOM 424 PANEL	100-2	65	B	65	100-2	GUESTROOM 436 PANEL		
6	-	-	65	C	65	-	-		
7	GUESTROOM 425 PANEL	100-2	65	A	65	100-2	GUESTROOM 437 PANEL		
8	-	-	65	B	65	-	-		
9	GUESTROOM 426 PANEL	100-2	65	C	65	100-2	GUESTROOM 438 PANEL		
10	-	-	65	A	65	-	-		
11	GUESTROOM 427 PANEL	100-2	65	B	65	100-2	GUESTROOM 439 PANEL		
12	-	-	65	C	65	-	-		
13	GUESTROOM 428 PANEL	100-2	65	A	65	100-2	GUESTROOM 440 PANEL		
14	-	-	65	B	65	-	-		
15	GUESTROOM 429 PANEL	100-2	65	C	65	100-2	GUESTROOM 441 PANEL		
16	-	-	65	A	65	-	-		
17	GUESTROOM 430 PANEL	100-2	65	B	75	100-2	PANEL 'P4J'		
18	-	-	65	C	76.5	-	-		
19	GUESTROOM 431 PANEL	100-2	65	A		100-2	SPARE		
20	-	-	65	B		-	-		
21	GUESTROOM 432 PANEL	100-2	65	C			OPEN		
22	-	-	65	A			OPEN		
23	GUESTROOM 433 PANEL	100-2	65	B			OPEN		
24	-	-	65	C			OPEN		
25	OPEN			A			OPEN		
26	OPEN			B			OPEN		
27	OPEN			C			OPEN		
NOTES:									
A. PANEL SHALL BE EQUAL TO SQUARE D "I-LINE" SERIES									
B. ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INSTALL.									
C. AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.									
D. GUESTROOM ELECTRICAL LOADS AND DISTRIBUTION PANEL. TOTAL LOAD HAVE BEEN CALCULATED PER NEC ARTICLE 220									

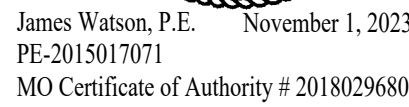
PANEL 'P2.1' SCHEDULE									
VOLTAGE		PANEL SIZE		MOUNTING		AIC RATING			
120/208V 1-PH		100A MLO		RECESSED		10,000		PHASE "A" LOAD	75
								PHASE "B" LOAD	70.5
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	CORRIDOR RECEP.TS.	20-1	6	A	16	20-2	PTAC	2	
3	LINEN STORAGE RECEP.TS.	20-1	4.5	B	16	-	-	4	
5	STORAGE RECEP.TS.	20-1	4.5	A	16	20-2	PTAC	6	
7	CORRIDOR RECEP.TS.	20-1	6	B	16	-	-	8	
9	LT. RECEP.TS.	20-1	4.5	A	14	25-2	LT. MINI-SPLIT (FCU-1 / HP-1)	10	
11	LT. RECEP.TS.	20-1	3	B	14	-	-	12	
13	LT. RECEP.TS.	20-1	3	A			OPEN	14	
15	SMOKE CURTAIN	20-1	3	B			OPEN	16	
17	SMOKE CURTAIN	20-1	3	A			OPEN	18	
19	LIGHTING	20-1	8	B			OPEN	20	
21	LIGHTING	20-1	8	A			OPEN	22	
23	ROOFTOP RECEP.TS.	20-1	6	B			OPEN	24	
25	SPARE	20-1		A			OPEN	26	
27	SPARE	20-1		B			OPEN	28	
29	SPARE	20-1		A			OPEN	30	
NOTES:									
A. PANEL SHALL BE EQUAL TO SQUARE D MODEL "QO"									
B. ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INSTALL.									
C. AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.									

PANEL 'P3.1' SCHEDULE									
VOLTAGE		PANEL SIZE		MOUNTING		AIC RATING			
120/208V 1-PH		100A MLO		RECESSED		10,000		PHASE "A" LOAD	75
								PHASE "B" LOAD	70.5
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	CORRIDOR RECEP.TS.	20-1	6	A	16	20-2	PTAC	2	
3	LINEN STORAGE RECEP.TS.	20-1	4.5	B	16	-	-	4	
5	STORAGE RECEP.TS.	20-1	4.5	A	16	20-2	PTAC	6	
7	CORRIDOR RECEP.TS.	20-1	6	B	16	-	-	8	
9	LT. RECEP.TS.	20-1	4.5	A	14	25-2	LT. MINI-SPLIT (FCU-1 / HP-1)	10	
11	LT. RECEP.TS.	20-1	3	B	14	-	-	12	
13	LT. RECEP.TS.	20-1	3	A			OPEN	14	
15	SMOKE CURTAIN	20-1	3	B			OPEN	16	
17	SMOKE CURTAIN	20-1	3	A			OPEN	18	
19	LIGHTING	20-1	8	B			OPEN	20	
21	LIGHTING	20-1	8	A			OPEN	22	
23	SPARE	20-1		B			OPEN	24	
25	SPARE	20-1		A			OPEN	26	
27	SPARE	20-1		B			OPEN	28	
29	SPARE	20-1		A			OPEN	30	
NOTES:									
A. PANEL SHALL BE EQUAL TO SQUARE D MODEL "QO"									
B. ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INST ALL.									
C. AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.									

PANEL 'P4.1' SCHEDULE									
VOLTAGE		PANEL SIZE		MOUNTING		AIC RATING			
120/208V 1-PH		100A MLO		RECESSED		10,000		PHASE "A" LOAD	75
								PHASE "B" LOAD	76.5
CIRCUIT NUMBER	DESCRIPTION	BREAKER SIZE	AMPS	PHASE	AMPS	BREAKER SIZE	DESCRIPTION	CIRCUIT NUMBER	
1	CORRIDOR RECEP.TS.	20-1	6	A	16	20-2	PTAC	2	
3	LINEN STORAGE RECEP.TS.	20-1	4.5	B	16	-	-	4	
5	STORAGE RECEP.TS.	20-1	4.5	A	16	20-2	PTAC	6	
7	CORRIDOR RECEP.TS.	20-1	6	B	16	-	-	8	
9	LT. RECEP.TS.	20-1	4.5	A	14	25-2	LT. MINI-SPLIT (FCU-1 / HP-1)	10	
11	LT. RECEP.TS.	20-1	3	B	14	-	-	12	
13	LT. RECEP.TS.	20-1	3	A			OPEN	14	
15	SMOKE CURTAIN	20-1	3	B			OPEN	16	
17	SMOKE CURTAIN	20-1	3	A			OPEN	18	
19	LIGHTING	20-1	8	B			OPEN	20	
21	LIGHTING	20-1	8	A			OPEN	22	
23	ROOFTOP RECEP.TS.	20-1	6	B			OPEN	24	
25	SPARE	20-1		A			OPEN	26	
27	SPARE	20-1		B			OPEN	28	
29	SPARE	20-1		A			OPEN	30	
NOTES:									
A. PANEL SHALL BE EQUAL TO SQUARE D MODEL "QO"									
B. ELECTRICIAN SHALL VERIFY BREAKER WITH EQUIPMENT PRIOR TO PURCHASE & INSTALL.									
C. AFTER COMPLETION OF WORK, ELECTRICIAN SHALL PROVIDE A TYPE WRITTEN PANEL DIRECTORY IN NEW PANEL.									

BRANCH CIRCUIT CONDUCTOR SCHEDULE						
AMPACITY	COPPER AWG SIZE	MAXIMUM DISTANCE (FEET)				MINIMUM CONDUIT SIZE
		1Ø		3Ø		
		120V	277V	208V	480V	
20	12	55'	130'	115'	260'	1/2"
	10	90'	205'	180'	415'	3/4"
30	10	60'	135'	120'	275'	3/4"
	8	95'	220'	190'	445'	1"
35	8	80'	190'	165'	380'	1"
	6	130'	300'	260'	605'	1"
40	8	70'	165'	145'	330'	1"
	6	110'	260'	225'	525'	1"
45	6	100'	235'	200'	470'	1"
	4	160'	370'	325'	750'	1-1/4"
50	6	90'	210'	180'	420'	1-1/4"
	4	145'	335'	290'	675'	1-1/4"
60	6	75'	175'	150'	350'	1-1/4"
	4	120'	280'	240'	560'	1-1/4"
70	4	105'	240'	205'	480'	1-1/4"
	3	130'	300'	260'	605'	1-1/4"
80	4	55'	210'	180'	420'	1-1/4"
	3	90'	260'	230'	530'	1-1/4"
90	3	100'	235'	200'	470'	1-1/4"
	2	125'	295'	255'	595'	1-1/4"
100	3	90'	210'	180'	420'	1-1/4"
	2	115'	265'	230'	535'	1-1/4"
NOTES:						
1. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER. ALL WIRE SIZES SHOWN ARE BASED ON CONDUCTOR TEMPERATURE RATING OF 75°C & AMBIENT TEMPERATURE OF 30°C PER NEC.						
2. DISTANCE SHOWN ABOVE IS LENGTH FROM OVERCURRENT PROTECTION TO DEVICE/EQUIPMENT						
3. REFER TO PLAN SHEETS FOR BRANCH CONDUCTOR SIZING LENGTHS GREATER THAN SHOWN ABOVE.						
4. VOLTAGE DROP CALCULATIONS BASED ON 3% DROP, 80% CIRCUIT LOAD, THIN/THW INSULATION, 100% POWER FACTOR, BALANCED LOAD, NEGLECTIBLE REACTANCE, & SIX OR LESS CURRENT-CARRYING CONDUCTORS IN RACEWAY						

FEEDER CONDUCTOR SCHEDULE									
AMPACITY	# OF SETS	CONDUCTORS		AWG SIZE		EQUIPMENT GROUND		MINIMUM CONDUIT SIZE (PER SET)	
		QUANTITY PER SET				AWG SIZE			
		3Ø WYE	1Ø OR 3Ø▲	COPPER	ALUMINUM	COPPER	ALUMINUM		
30	1	4	3	10	8	10	8	3/4"	
40	1	4	3	8	8	8	8	1"	
45	1	4	3	8	6	8	8	1"	
50	1	4	3	8	6	10	8	1"	
60	1	4	3	6	4	10	6	1"	
70	1	4	3	4	2	8	6	1-1/4"	
80	1	4	3	4	2	8	6	1-1/4"	
90	1	4	3	3	2	8	6	1-1/4"	
100	1	4	3	3	1	8	6	1-1/4"	
110	1	4	3	2	1/0	6	4	1-1/4"	
125	1	4	3	1	2/0	6	4	2"	
150	1	4	3	1/0	3/0	6	4	2"	
175	1	4	3	2/0	4/0	6	4	2"	
200	1	4	3	3/0	250	6	4	2-1/2"	
225	1	4	3	4/0	300	4	2	2-1/2"	
250	1	4	3	250	350	4	2	3"	
300	1	4	3	350	500	4	2	4"	
350	1	4	3	400	600	3	1	4"	
400	1	4	3	500	750	3	1	4"	
500	2	4	3	250	350	2	1/0	4"	
600	2	4	3	350	500	1	2/0	4"	
800	2	4	3	500	750	1/0	3/0	4"	
1000	3	4	3	400	550	2/0	4/0	4"	
1200	4	4	3	350	500	3/0	250	4"	
1600	5	4	3	400	750	4/0	350	4"	
2000	6	4	3	400	750	250	400	4"	
NOTES:									
1. ALL WIRE SIZES SHOWN ARE BASED ON CONDUCTOR TEMPERATURE RATING OF 75°C & AMBIENT TEMPERATURE RATING OF 30°C PER NEC.									
2. MAXIMUM ALLOWABLE VOLTAGE DROP FOR FEEDER CONDUCTORS SHALL BE 2%.									
3. ELECTRICAL CONTRACTOR TO ADJUST CONDUCTOR SIZES FOR LONG CIRCUIT LENGTHS & AMBIENT TEMPERATURES HIGHER THAN 30°C.									



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J2 PROJECT No: J21006

J2 DESIGN: ACW

ISSUE TITLE	DATE
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CITY SUBMISSION 11 / 01 / 2023

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Mechanical - Electrical - Plumbing Design Drawings for Towneplace Suites By Marriott

Mechanical - Electrical - Plumbing Design Drawings for

**1810 Northeast Douglas St.
Lee's Summit, Missouri 64064**

AHJ APPROVAL STAMP

SHEET TITLE

ELECTRICIAL SCHEDULES

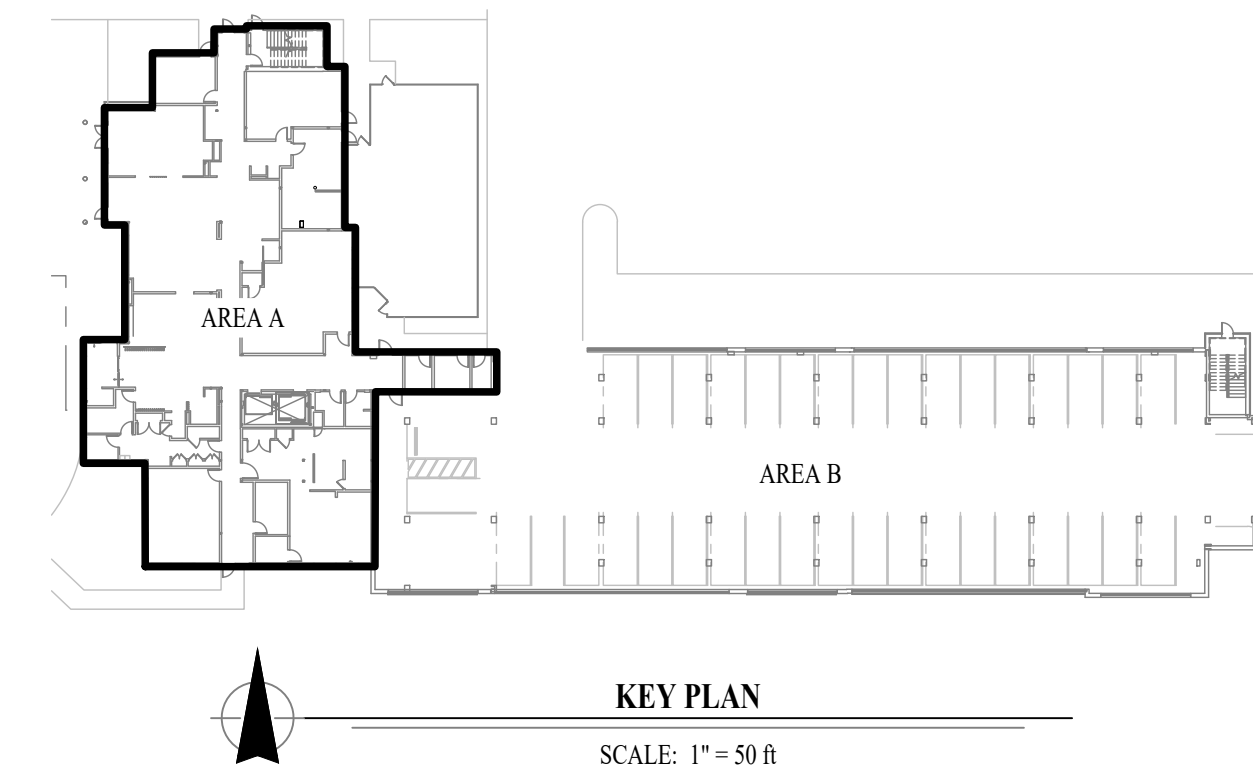
SHEET NUMBER

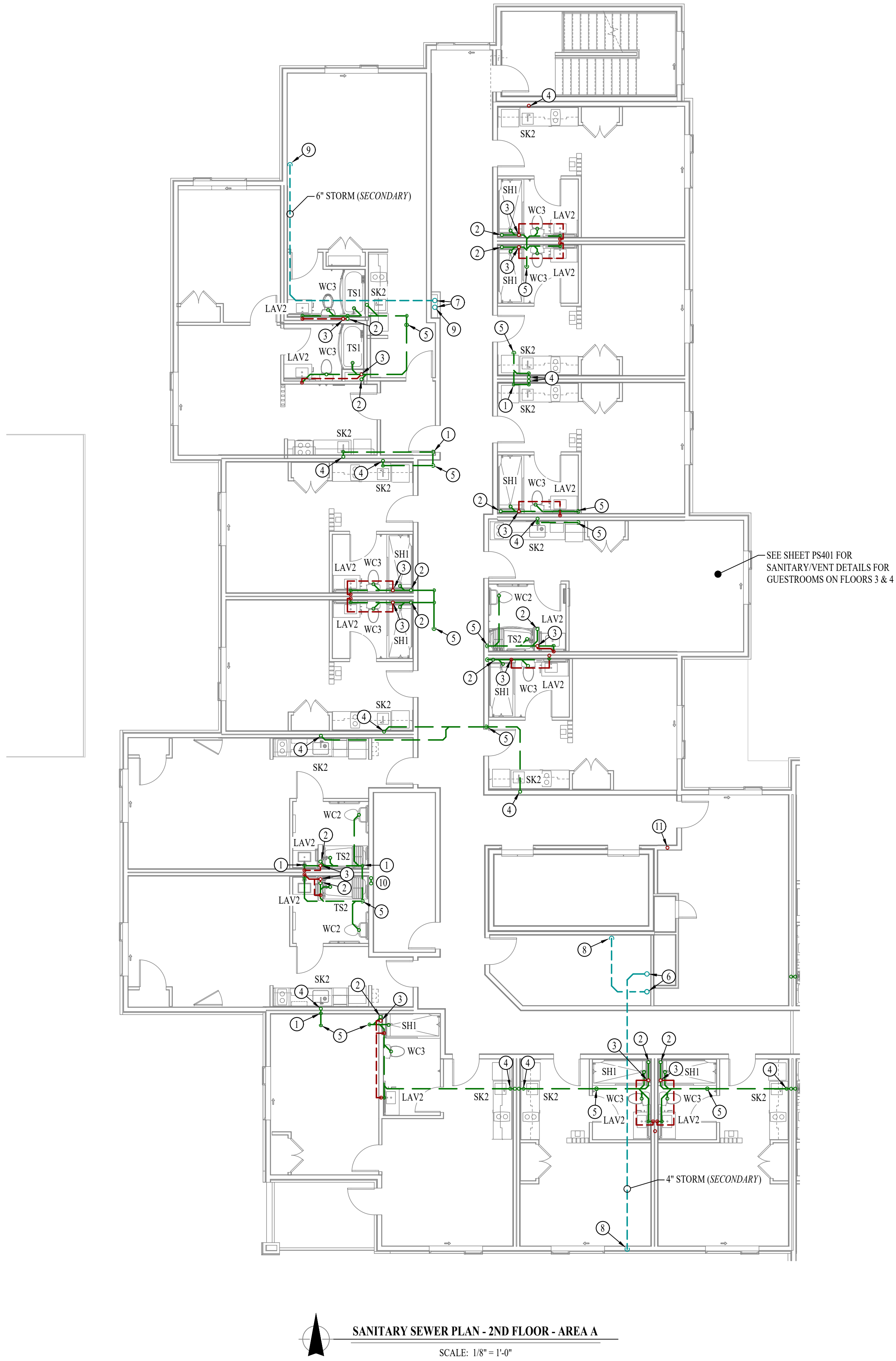
E604

NOTES:
1. VERIFY LIGHT FIXTURE FINISHES WITH OWNER / ARCHITECT PRIOR TO INSTALLATION

NOTES:

1. VERIFY ALL LIGHTING CONTROLS WITH OWNER / ARCHITECT PRIOR TO PURCHASE OF INSTALLATION & MATERIALS.
2. REFER TO BRAND STANDARDS/GUIDELINES FOR ADDITIONAL CONTROLS INFORMATION AND REQUIREMENTS.
3. 'LOCAL' SWITCH LOCATION REFERS TO SWITCH LOCATED WITHIN AREA TO BE CONTROLLED.





SANITARY SEWER PLAN SYMBOL LEGEND

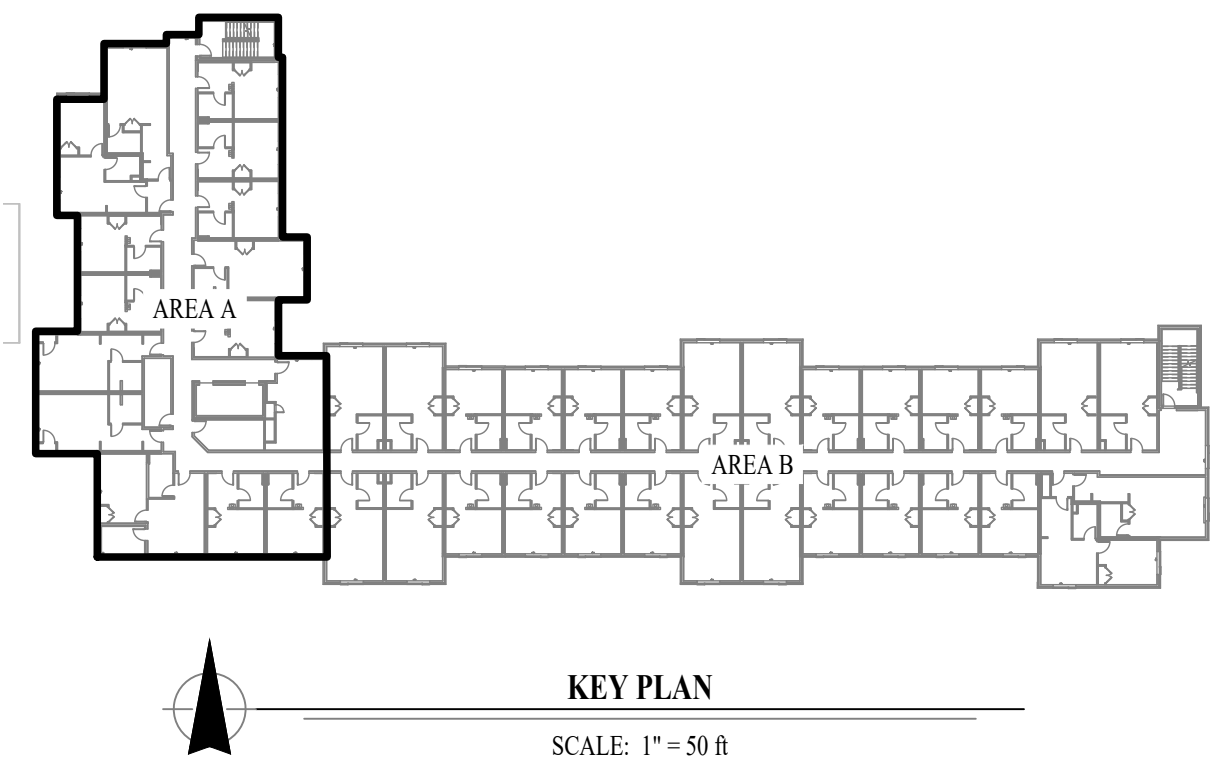
- SANITARY SEWER PIPING
- VENT PIPING
- STORM PIPING
- PIPING TURNED DOWN / TURNED UP
- TIE INTO EXISTING

SANITARY SEWER PLAN GENERAL NOTES:

- SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.

SANITARY SEWER PLAN KEY NOTES:

- PLUMBING DROP TO OFFSET AROUND STRUCTURAL TEE.
- 3" SANITARY STACK DOWN FROM THIRD FLOOR; SEE SHEET PS401 FOR THIRD AND FOURTH FLOOR SANITARY PLANS.
- 3" VENT STACK UP TO THIRD FLOOR; SEE SHEET PS401 FOR THIRD AND FOURTH FLOOR VENT PIPING PLANS.
- 2" COMBINATION DRAIN / VENT STACK DOWN FROM THIRD FLOOR.
- 4" SANITARY DOWN TO FIRST FLOOR; SEE SHEET PS102 FOR CONTINUATION.
- 4" STORM DRAIN PIPING DOWN FROM ROOF.
- 6" STORM DRAIN PIPING DOWN FROM ROOF.
- 4" STORM DRAIN PIPING DOWN TO FIRST FLOOR.
- 6" STORM DRAIN PIPING DOWN TO FIRST FLOOR.
- 1" SANITARY STACK UP IN I.T. CLOSET WALL TO HUB DRAINS (WITH ACCESS PANELS) ON FLOORS 2,3,&4 FOR I.T. MINI SPLIT.
- 3" VENT UP FROM BELOW; CONTINUES UP TO 3" VTR.



J2 PROJECT No:	J21006
J2 DESIGN:	ACW

ISSUE TITLE	DATE
CITY SUBMISSION	11 / 01 / 2023

Mechanical - Electrical - Plumbing Design Drawings for

Towneplace Suites By Marriott

1810 Northeast Douglas St.
Lee's Summit, Missouri 64064

SANITARY SEWER PLAN SYMBOL LEGEND

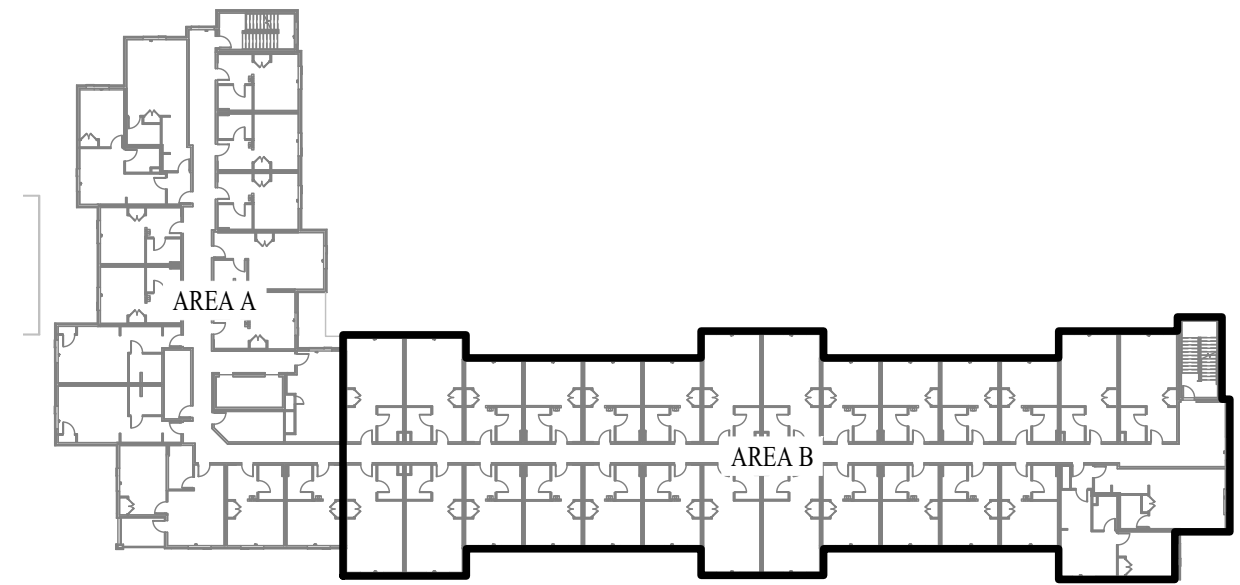
- SANITARY SEWER PIPING
- VENT PIPING
- STORM PIPING
- PIPING TURNED DOWN / TURNED UP
- ✕ TIE INTO EXISTING

SANITARY SEWER PLAN GENERAL NOTES:

1. SEE SHEET PS01 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.

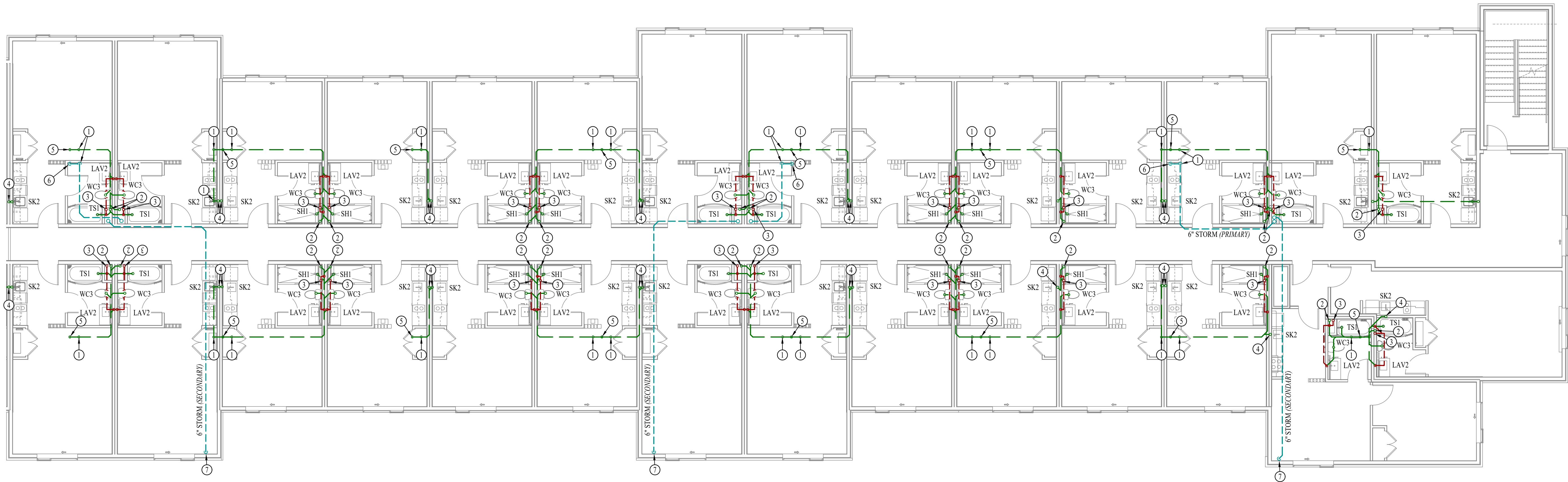
SANITARY SEWER PLAN KEY NOTES:

- ① PLUMBING DROP TO OFFSET AROUND STRUCTURAL TEE.
- ② 3" SANITARY STACK DOWN FROM THIRD FLOOR; SEE SHEET PS401 FOR THIRD AND FOURTH FLOOR SANITARY PLANS.
- ③ 3" VENT STACK UP TO THIRD FLOOR; SEE SHEET PS401 FOR THIRD AND FOURTH FLOOR VENT PIPING PLANS.
- ④ 2" COMBINATION DRAIN / VENT STACK DOWN FROM THIRD FLOOR.
- ⑤ 4" SANITARY DOWN TO FIRST FLOOR; SEE SHEET PS102 FOR CONTINUATION.
- ⑥ 6" PRIMARY STORM DRAIN ROUTED DOWN NEXT TO COLUMN ON 1ST FLOOR.
- ⑦ 6" SECONDARY STORM DRAIN DOWN TO DOWNSPOUT NOZZLE 'DN1' ON 1ST FLOOR.



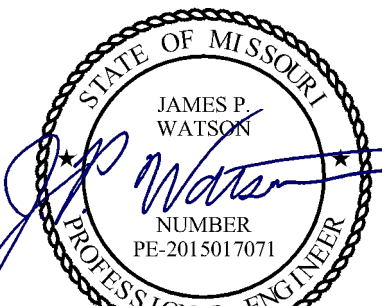
KEY PLAN

SCALE: 1" = 50 ft



SANITARY SEWER PLAN - 2ND FLOOR - AREA B

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



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J2 PROJECT No: J21006

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ISSUE TITLE DATE

CITY SUBMISSION 11 / 01 / 2023

Mechanical - Electrical - Plumbing Design Drawings for
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1810 Northeast Douglas St.
Lee's Summit, Missouri 64064

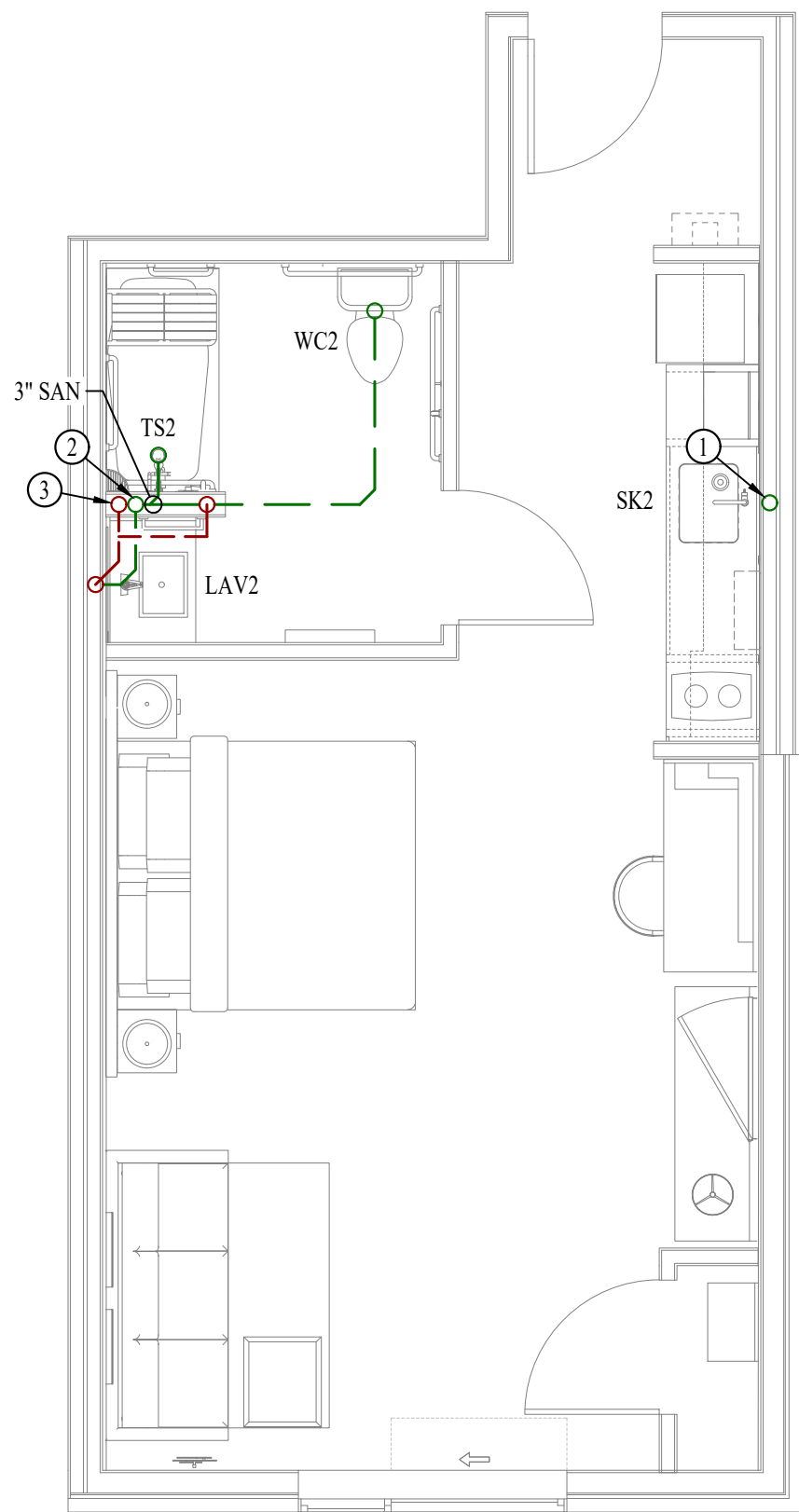
AHJ APPROVAL STAMP

SHEET TITLE

SANITARY SEWER
PLAN - 2ND FLOOR -
AREA B

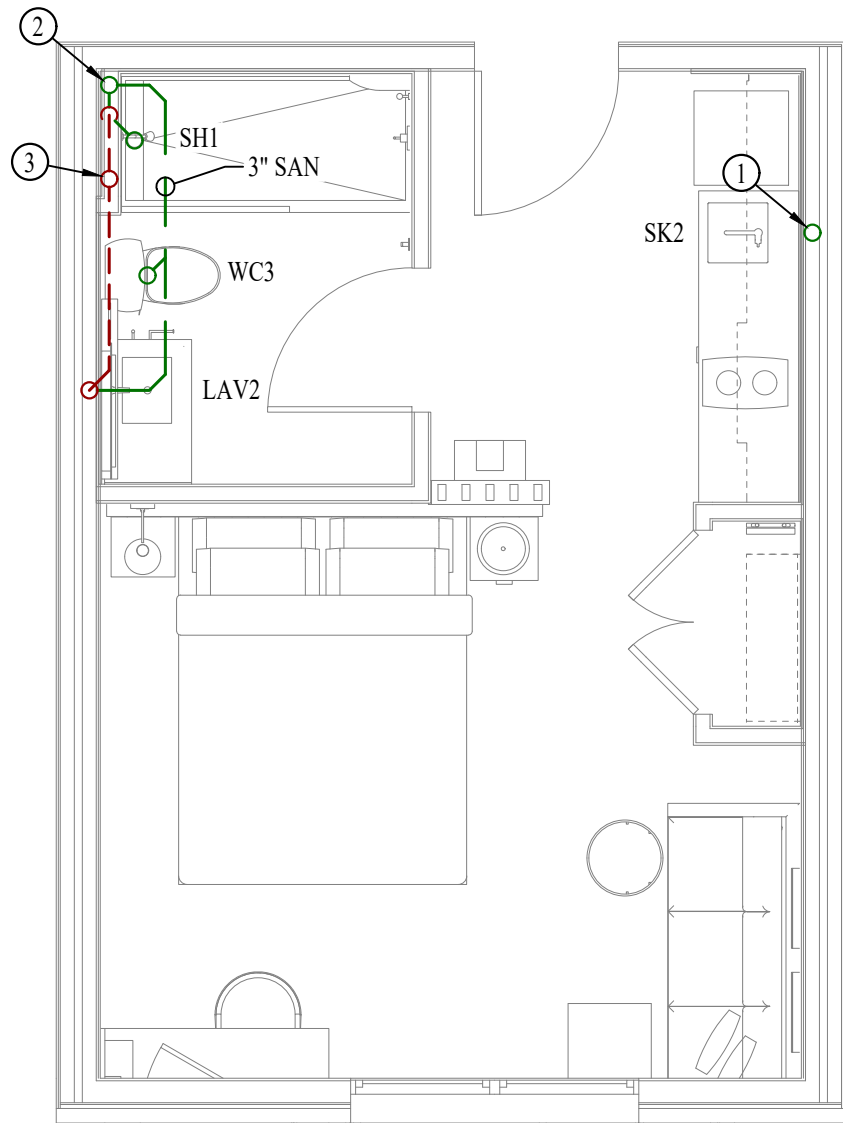
SHEET NUMBER

PS112



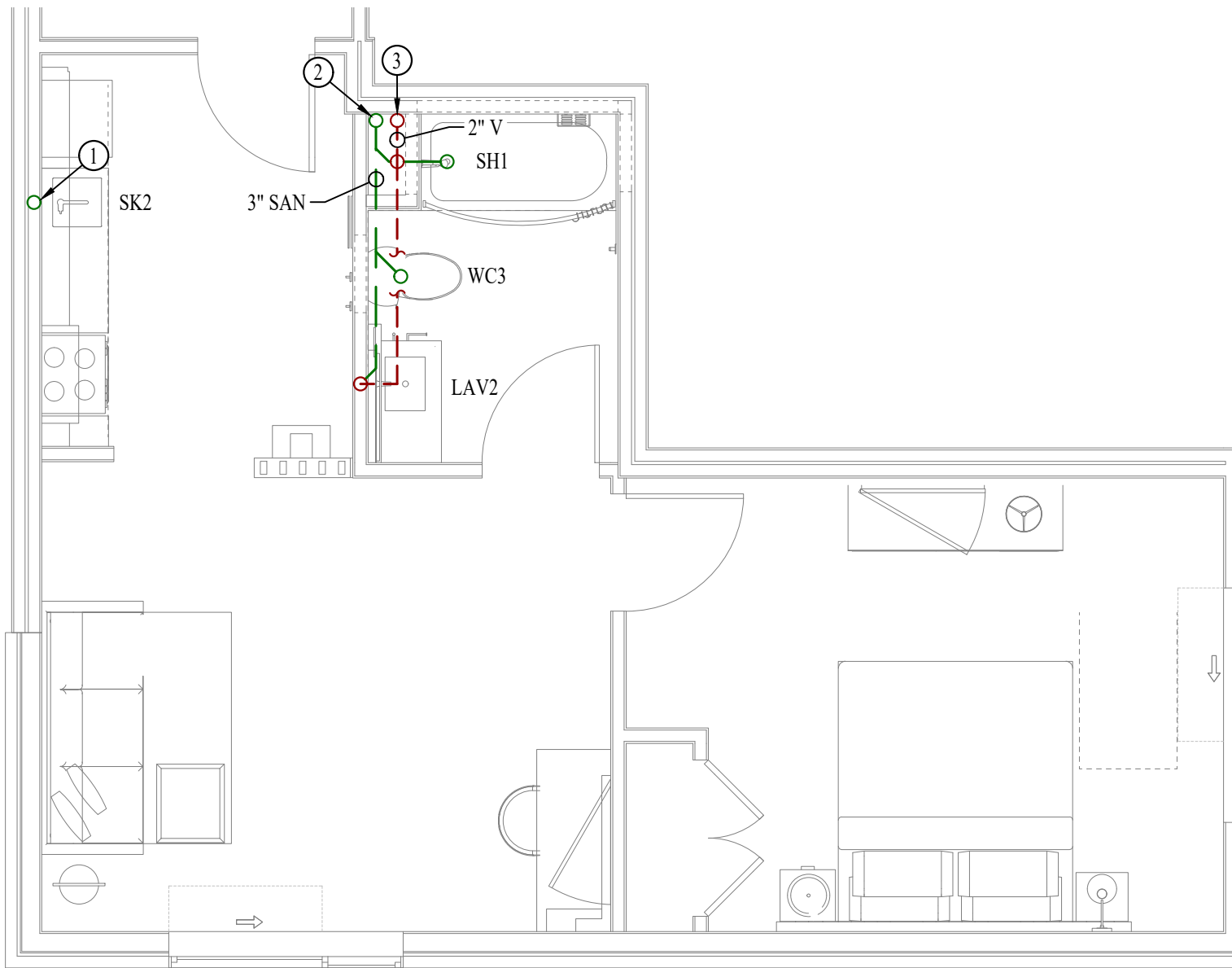
SANITARY SEWER PLAN - KING ACCESSIBLE

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



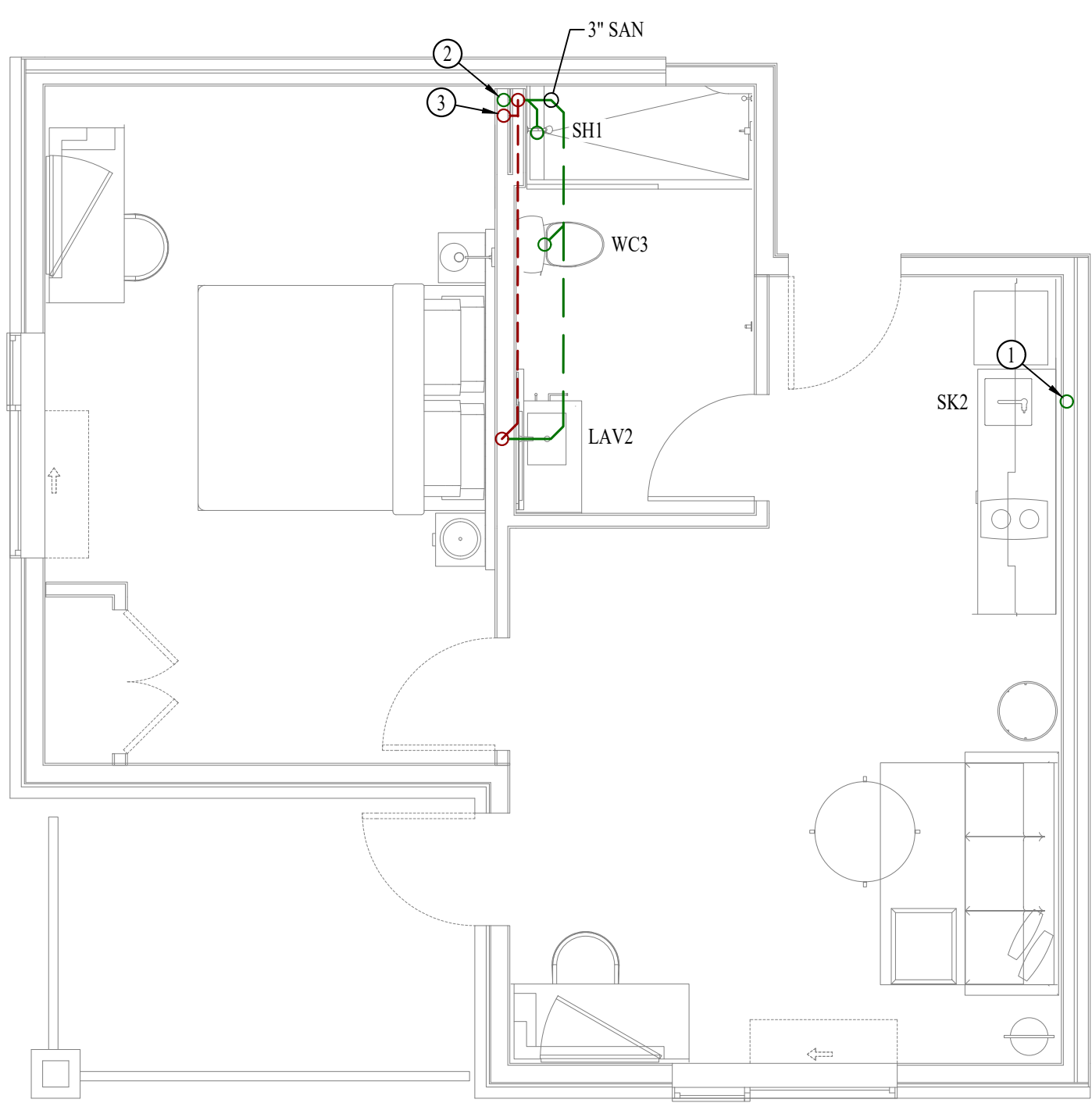
SANITARY SEWER PLAN - KING STUDIO

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



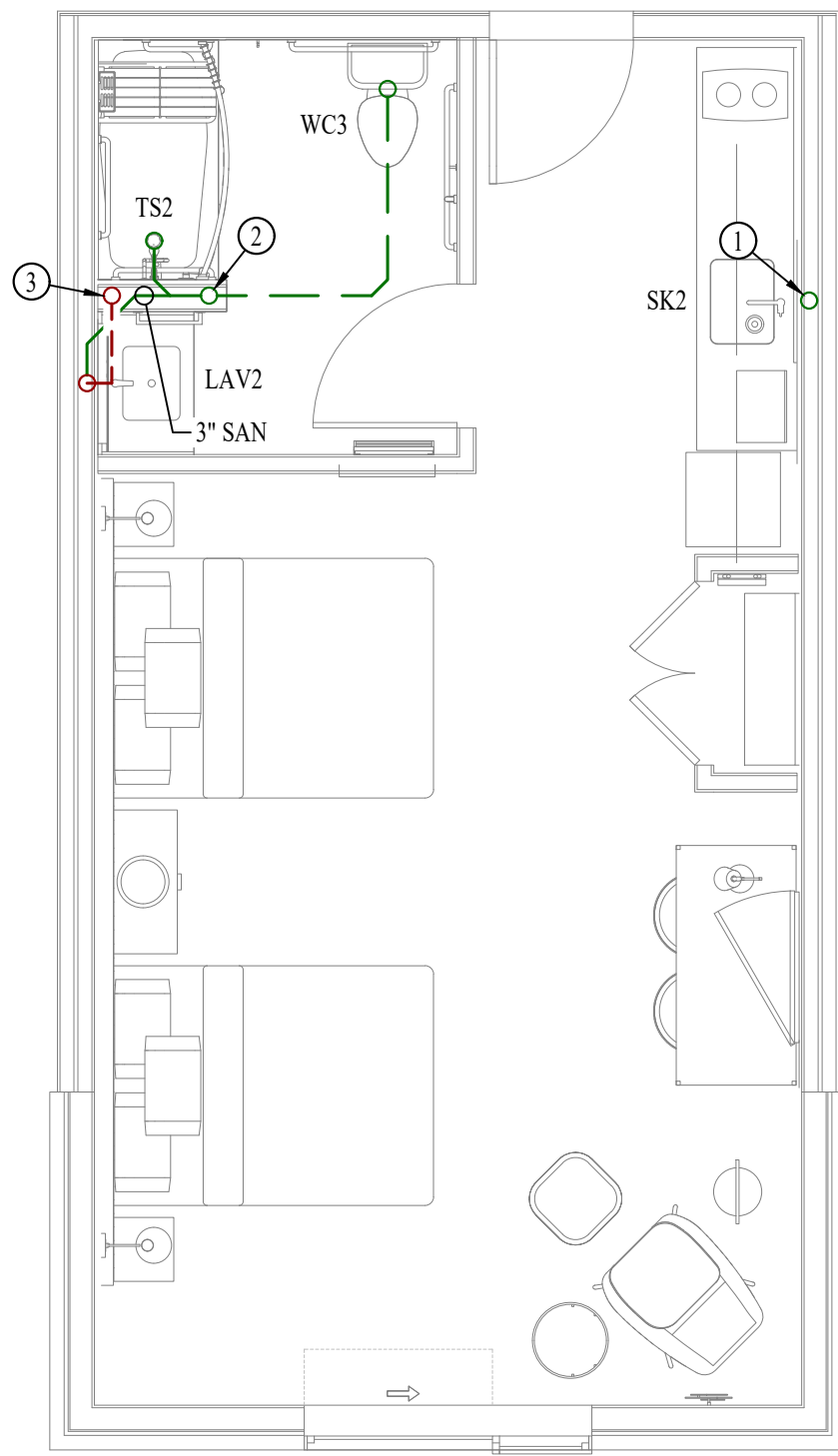
SANITARY SEWER PLAN - ONE BED KING

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



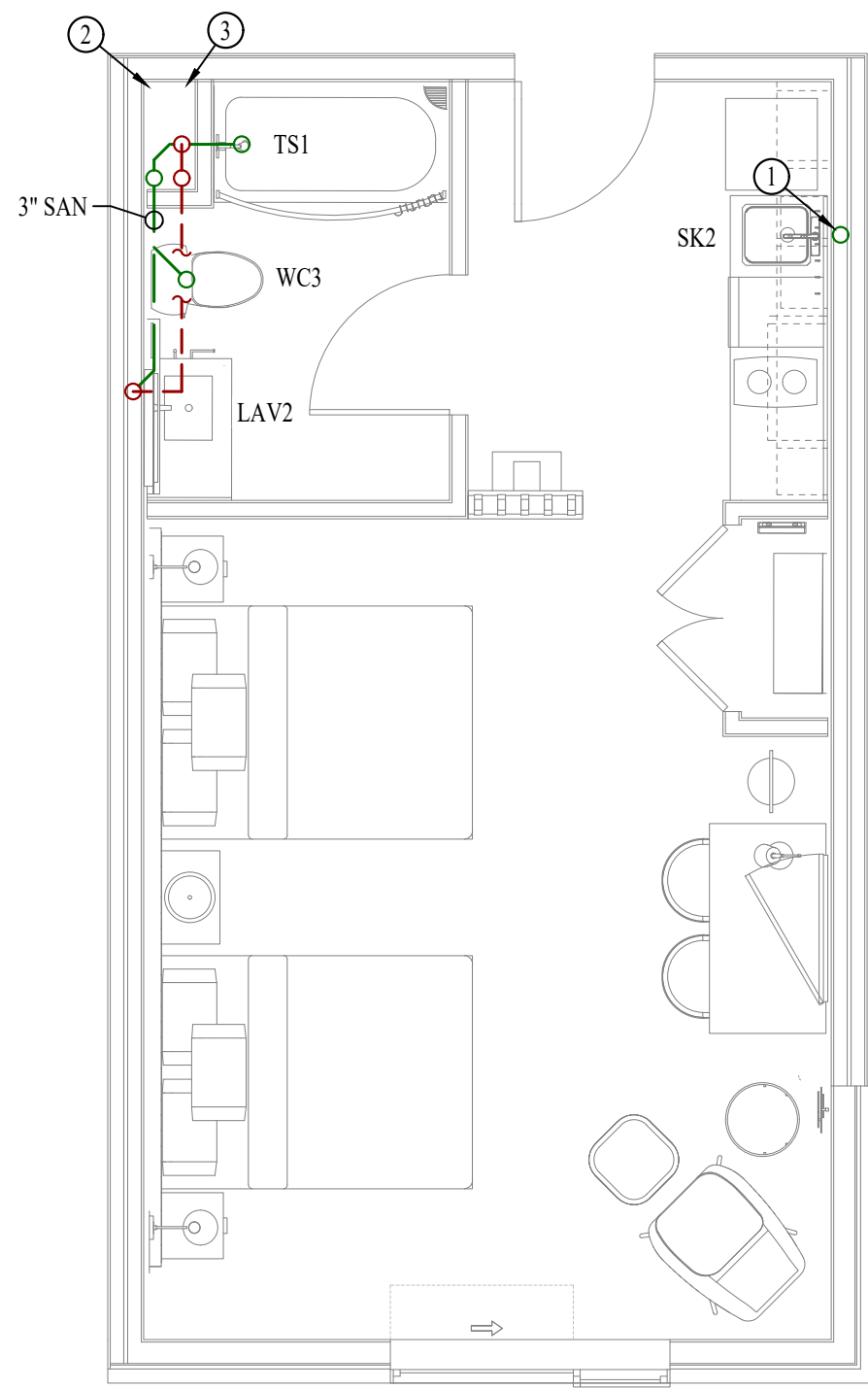
SANITARY SEWER PLAN - ONE BED KING W/ BALCONY

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



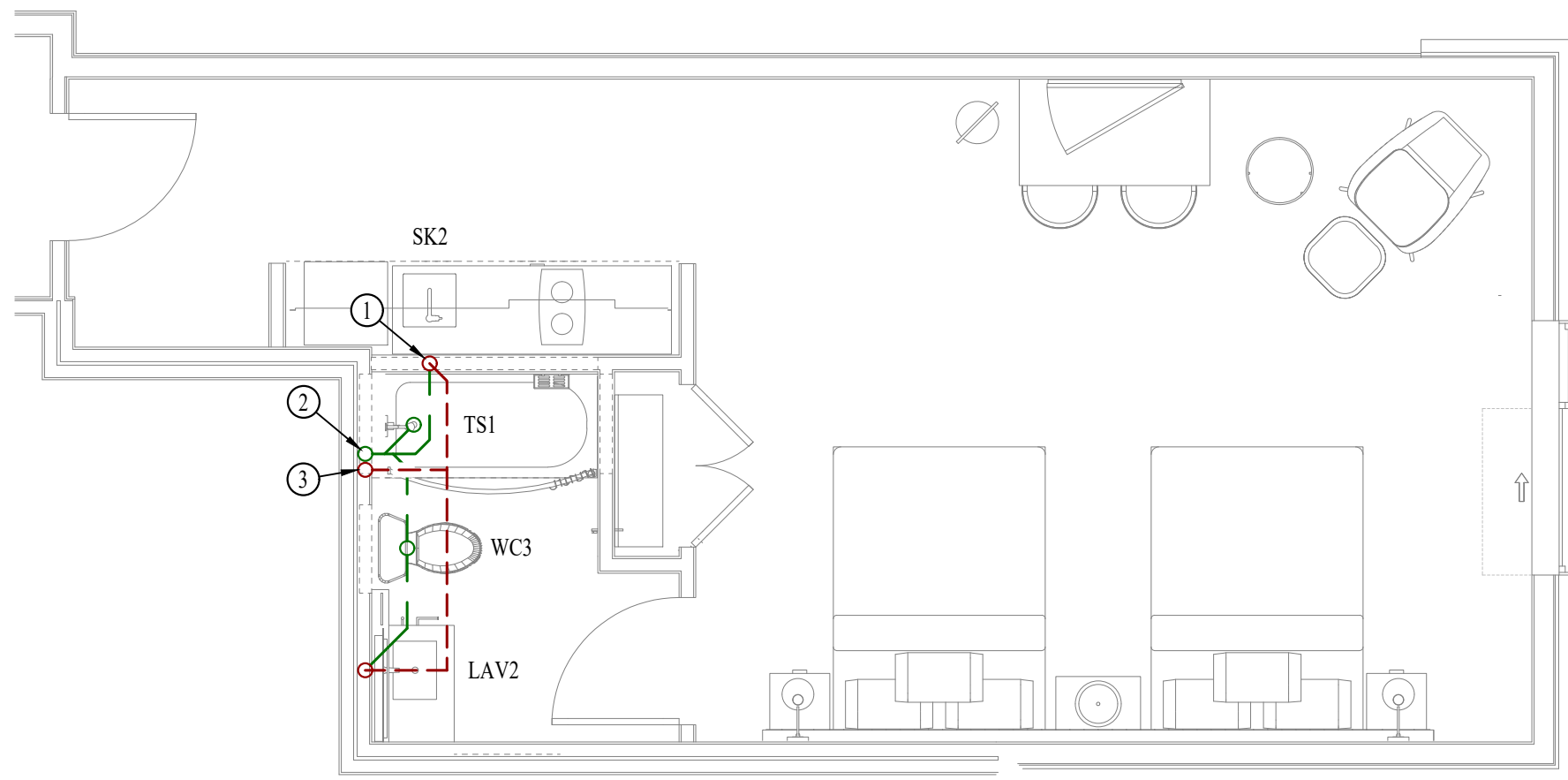
SANITARY SEWER PLAN - STUDIO DOUBLE QUEEN ACCESSIBLE

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



SANITARY SEWER PLAN - STUDIO DOUBLE QUEEN CENTER

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



SANITARY SEWER PLAN - STUDIO DOUBLE QUEEN END

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

SANITARY SEWER PLAN SYMBOL LEGEND

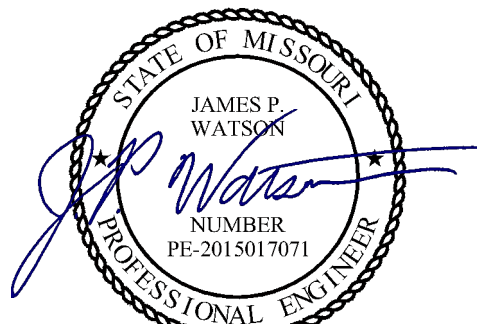
- SANITARY SEWER PIPING
- VENT PIPING
- STORM PIPING
- PIPING TURNED DOWN / TURNED UP
- TIE INTO EXISTING

SANITARY SEWER PLAN GENERAL NOTES:

- SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.
- SANITARY PLANS SHOWN APPLY TO FLOORS 3 & 4. SEE PS100 SERIES SHEETS FOR SANITARY PLANS FOR FLOORS 1 & 2.

SANITARY SEWER PLAN KEY NOTES:

- 2" COMBINATION DRAIN/VENT STACK DOWN FROM FOURTH FLOOR ROOM TO THIRD FLOOR ROOM; VENT STACK TO COMBINE ABOVE FOURTH FLOOR FINISHED CEILING TO A 2" VENT THRU ROOF (VTR). SEE PS100 SERIES SHEETS FOR FIRST AND SECOND FLOOR SANITARY PLANS.
- 3" SANITARY STACK DOWN FROM FOURTH FLOOR TO COLLECT THIRD FLOOR; SEE PS100 SERIES SHEETS FOR FIRST AND SECOND FLOOR SANITARY PLANS.
- 3" SANITARY STACK UP FROM SECOND FLOOR TO 3" VENT THRU ROOF (VTR). SEE PS100 SERIES SHEETS FOR FIRST AND SECOND FLOOR VENT PLANS.



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J2 PROJECT No: J21006

J2 DESIGN: ACW

ISSUE TITLE DATE

CITY SUBMISSION 11 / 01 / 2023

Mechanical - Electrical - Plumbing Design Drawings for
Towneplace Suites By Marriott
1810 Northeast Douglas St.
Lee's Summit, Missouri 64064

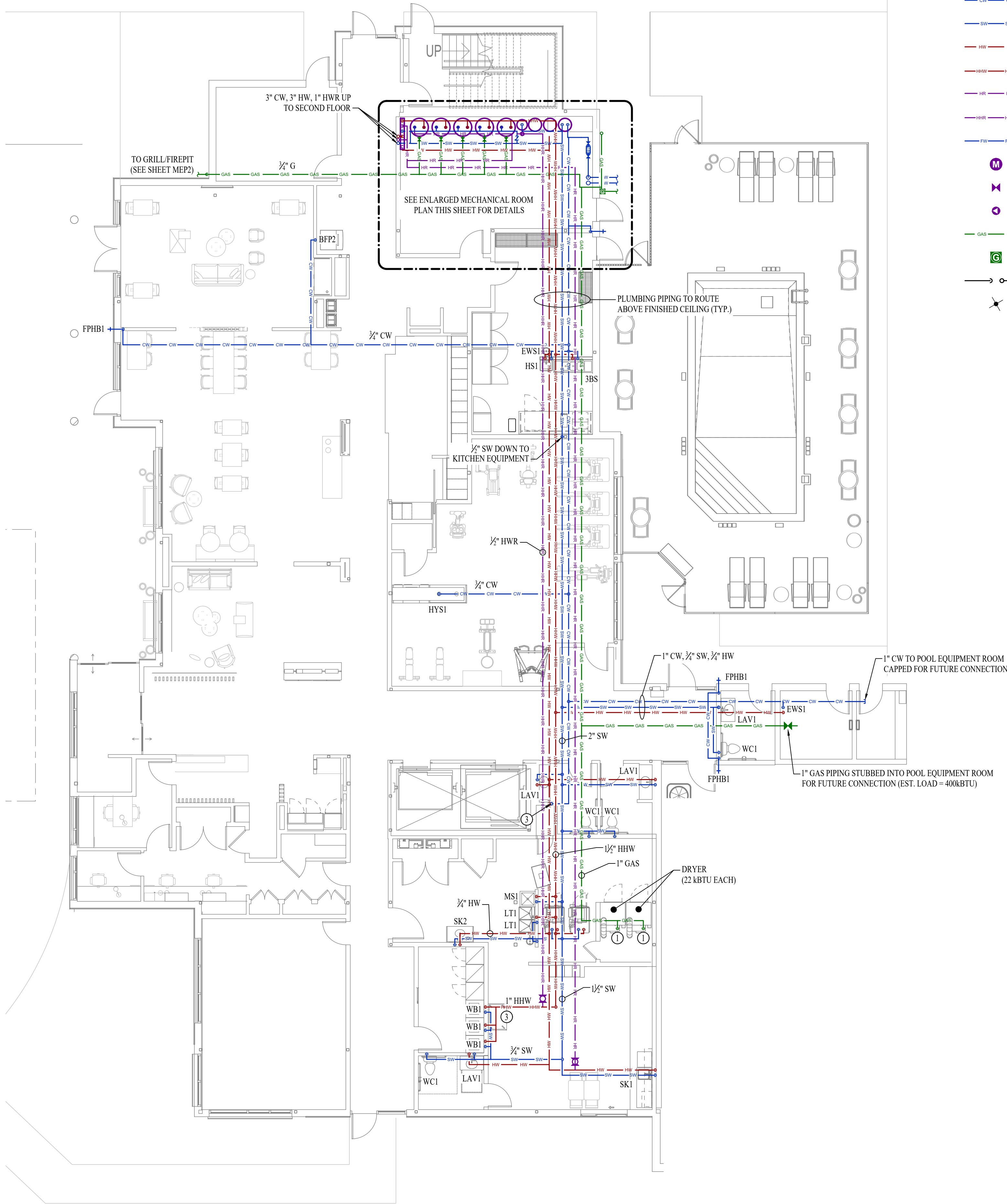
AHJ APPROVAL STAMP

SHEET TITLE

SANITARY SEWER
PLAN - GUEST ROOMS

SHEET NUMBER

PS401



WATER & GAS PLAN - 1ST FLOOR - AREA A
SCALE: 1/8" = 1'-0"

WATER & GAS PLAN SYMBOL LEGEND

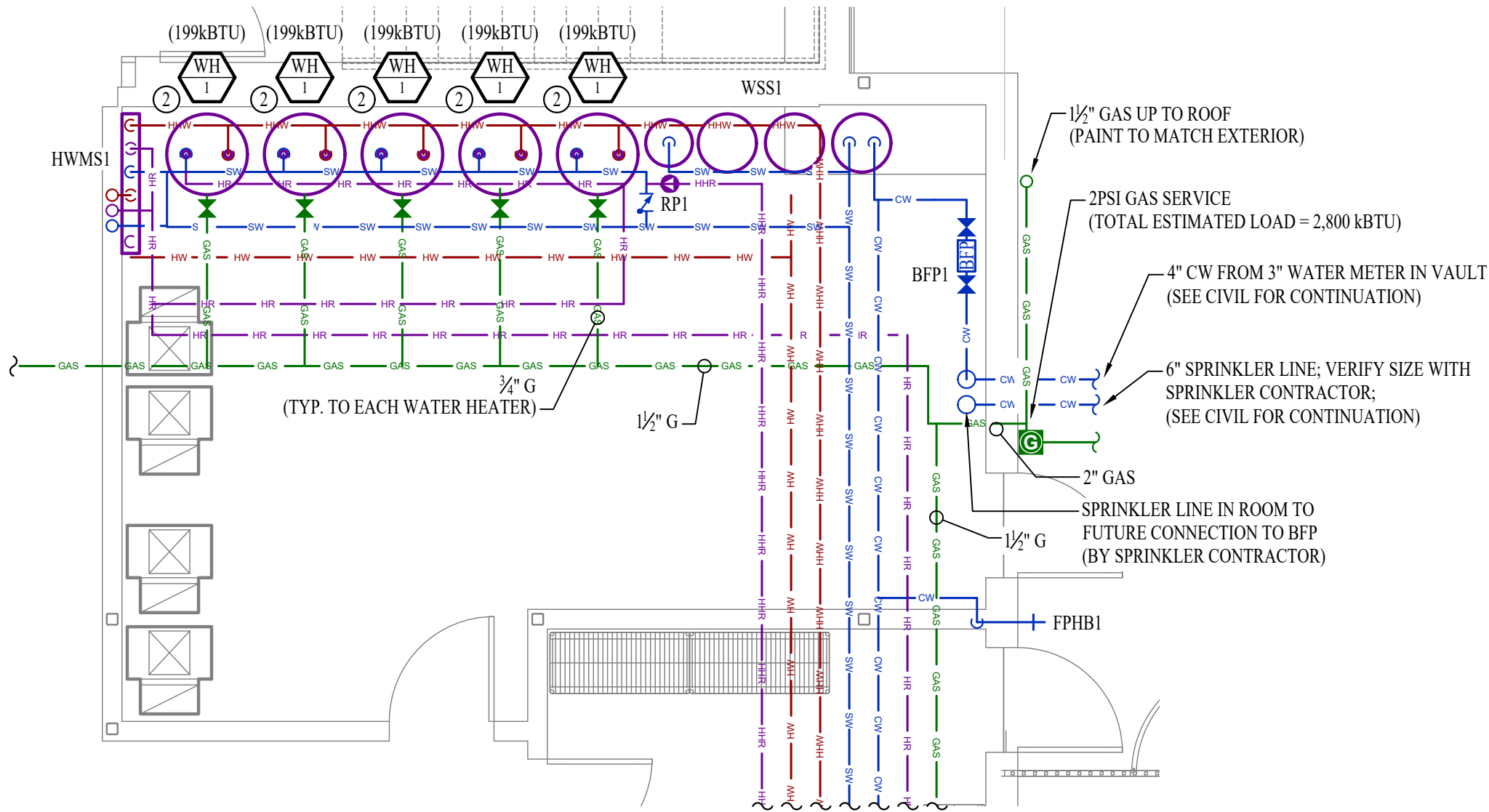
- CW — CW — COLD WATER LINE
- SW — SW — COLD SOFT WATER LINE
- HW — HW — HOT (120°F) WATER LINE
- HR — HR — HOT (120°F) WATER RECIRCULATION LINE
- FW — FW — FILTERED WATER LINE
- GAS — GAS — GAS LINE
- — — PIPING TURNED DOWN / TURNED UP
- — — TIE INTO EXISTING
- M — WATER METER
- X — VALVE
- P — PUMP
- G — GAS METER

WATER & GAS PLAN GENERAL NOTES:

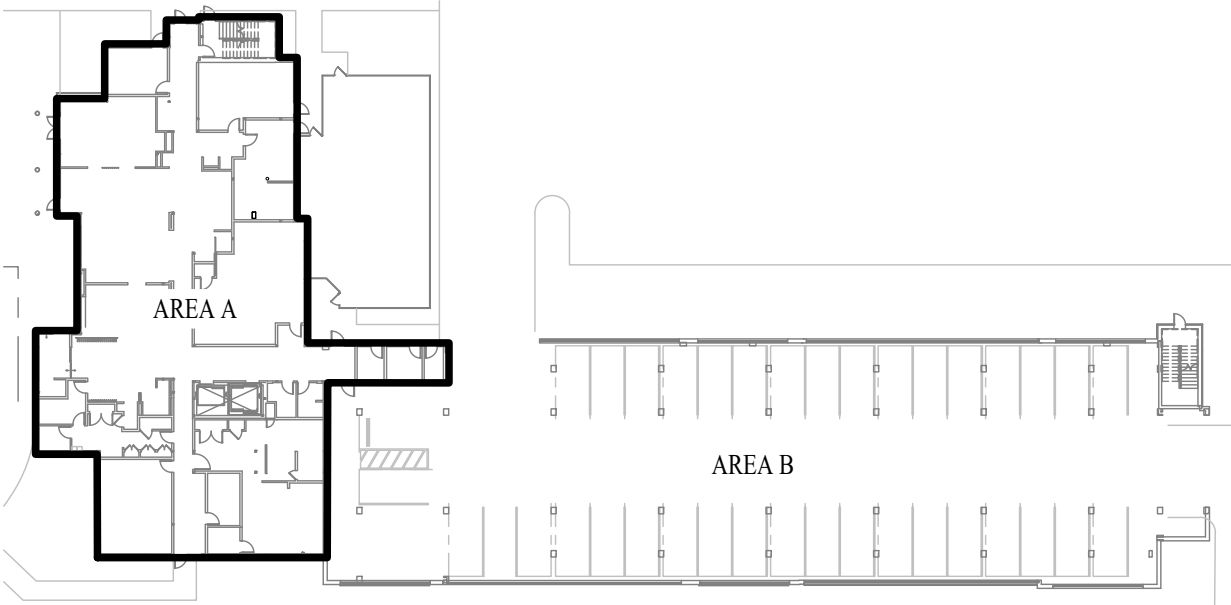
- SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.
- PROVIDE & INSTALL 2PSI TO 11"W.C. VENTLESS REGULATOR & SHUT-OFF VALVE AT ALL GAS EQUIPMENT.
- CALCULATED WATER DEMAND FOR THIS FACILITY IS 900 WSFUS (APPROXIMATELY 180GPM)

WATER & GAS PLAN KEY NOTES:

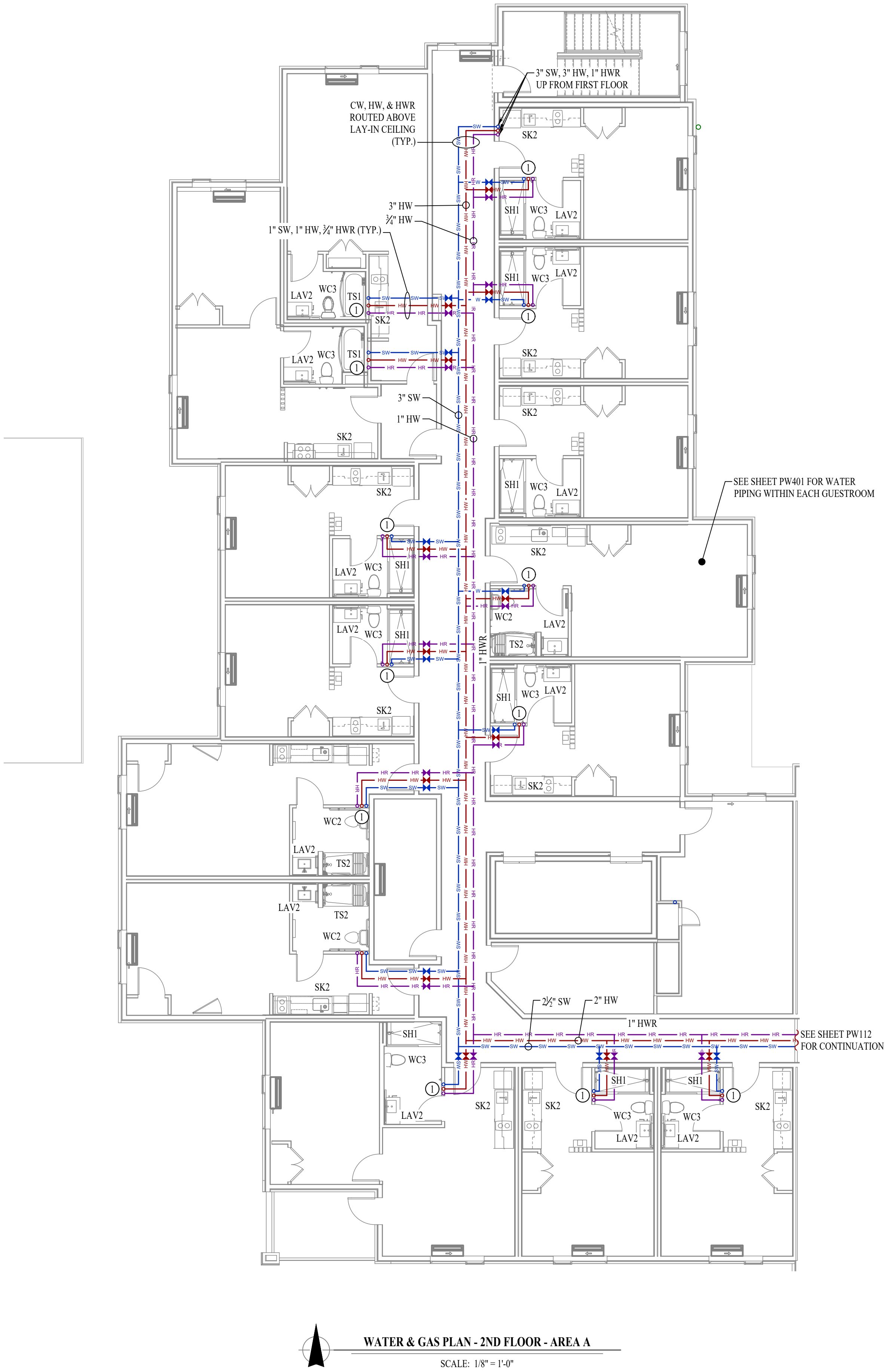
- PROVIDE UNION, 3" MINIMUM DIRT LEG, SHUT-OFF VALVE, & PRESSURE REGULATOR IN GAS PIPING AT CONNECTION TO EQUIPMENT. VENT PRESSURE REGULATOR TO OUTSIDE AS REQUIRED. PROVIDE A UNION ON BOTH SIDES OF REGULATOR. REGULATOR MUST BE INSTALLED IN HORIZONTAL POSITION DOWNSTREAM OF DIRT LEG.
- PROVIDE & INSTALL WATER HEATER VENT & COMBUSTION AIR TO EXTERIOR PER MANUFACTURER'S SPECIFICATIONS.
- 1/2" CW UP TO ROOF HYDRANT(S) ON ROOF. (SEE SHEET MEP4 FOR HYDRANT LOCATIONS)



ENLARGED MECHANICAL ROOM PLAN
SCALE: 1/4" = 1'-0"



KEY PLAN
SCALE: 1" = 50' R



WATER & GAS PLAN SYMBOL LEGEND

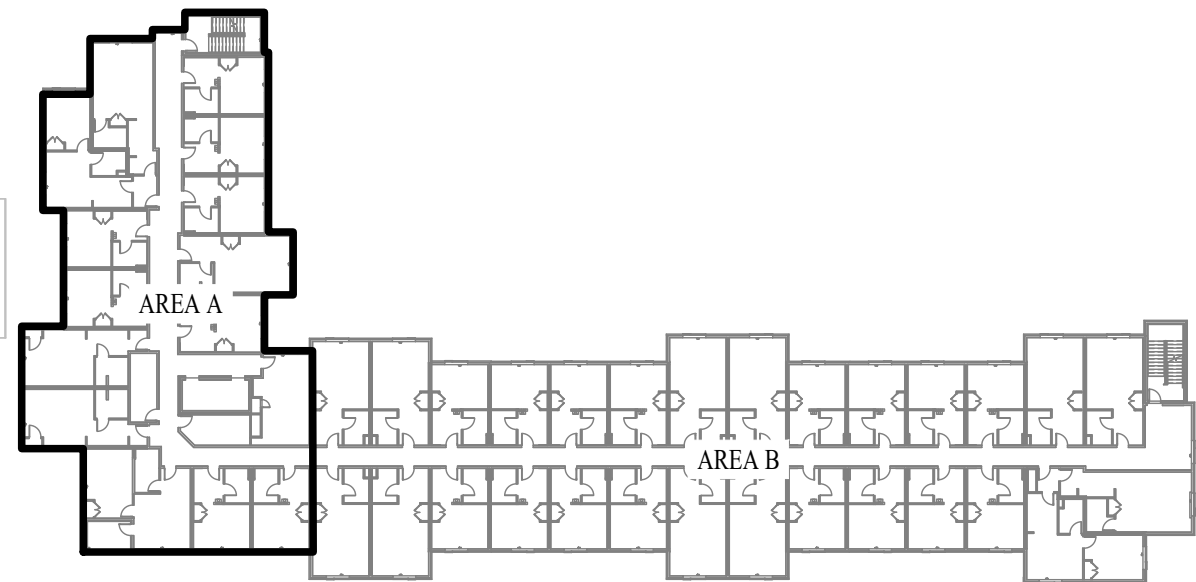
- CW CSW COLD WATER LINE
- CSW COLD SOFT WATER LINE
- HW HOT (120°F) WATER LINE
- HW HOT (140°F) WATER LINE
- HWR HOT (120°F) WATER RECIRCULATION LINE
- HWR HOT (140°F) WATER RECIRCULATION LINE
- FW FILTERED WATER LINE
- M WATER METER
- V VALVE
- P PUMP
- GAS GAS LINE
- G GAS METER
- PIPING TURNED DOWN / TURNED UP
- TIE INTO EXISTING

WATER & GAS PLAN GENERAL NOTES:

- SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.

WATER & GAS PLAN KEY NOTES:

- 3/4" HW & 3/4" SW TO SERVE GUESTROOM ON SECOND FLOOR; 1" HW, 1" SW, 3/4" HWR TO CONTINUE UP TO SERVE THIRD FLOOR GUESTROOM; 3/4" HW, 3/4" SW, 3/4" HWR CONTINUE UP FROM THIRD FLOOR TO SERVE FOURTH FLOOR. SEE SHEET PW401 FOR DETAILS.



KEY PLAN

SCALE: 1" = 50 ft

J2 PROJECT No: J21006

J2 DESIGN: ACW

ISSUE TITLE DATE

CITY SUBMISSION 11 / 01 / 2023

AHJ APPROVAL STAMP

SHEET TITLE

WATER & GAS PLAN -
2ND FLOOR - AREA A

SHEET NUMBER

PW102

WATER & GAS PLAN SYMBOL LEGEND

- CW

CW

COLD WATER LINE
- CW

CW

COLD SOFT WATER LINE
- HW

HW

HOT (120°F) WATER LINE
- HR

HR

HOT (140°F) WATER LINE
- HR

HR

HOT (120°) WATER RECIRCULATION LINE
- HR

HR

HOT (140°) WATER RECIRCULATION LINE
- FW

FW

FILTERED WATER LINE
- M

WATER METER
- X

VALVE
- P

PUMP
- GAS

GAS

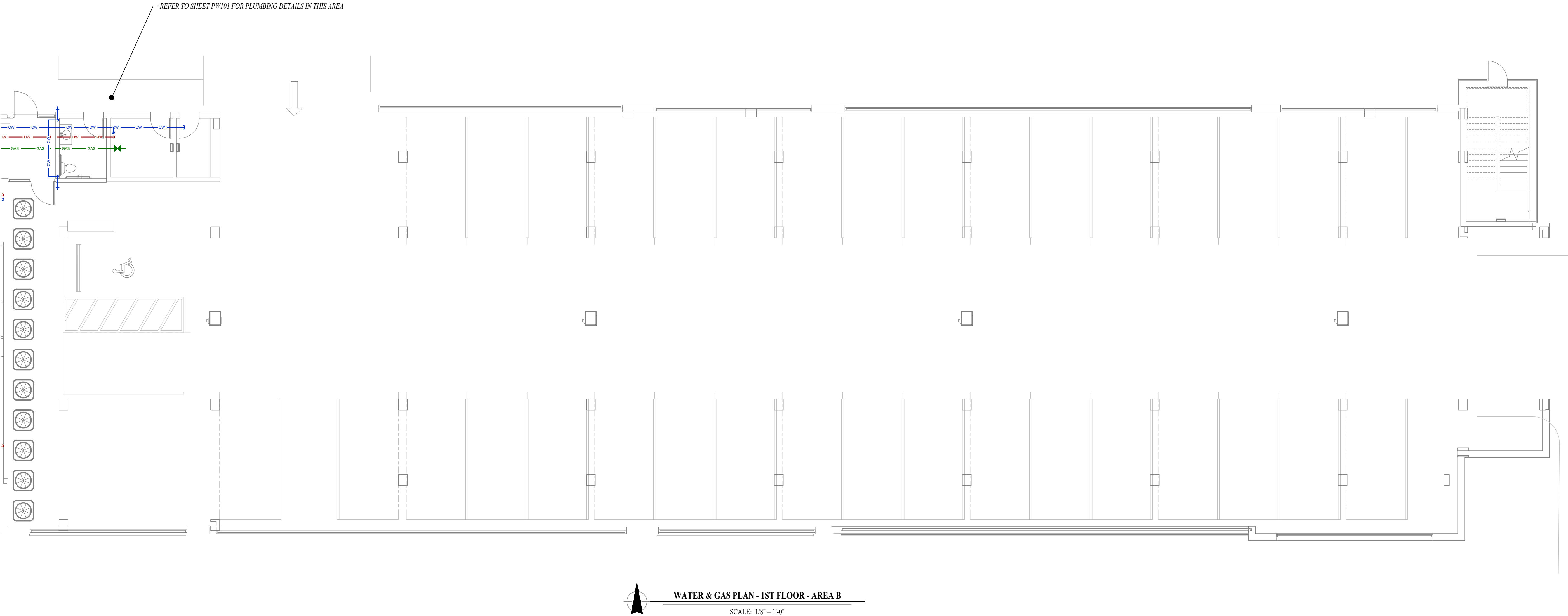
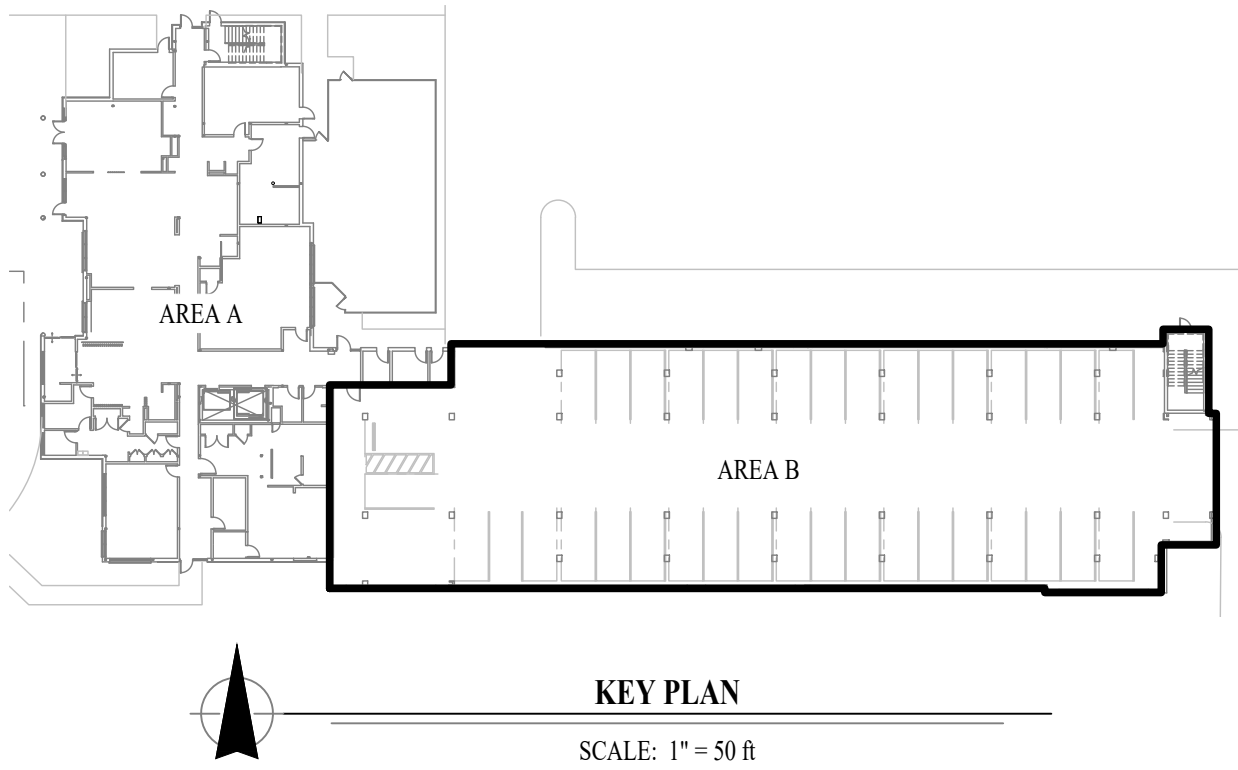
GAS LINE
- G

GAS METER
- PIPING TURNED DOWN / TURNED UP
- X

TIE INTO EXISTING

WATER & GAS PLAN GENERAL NOTES:

1. SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.



STATE OF MISSOURI

JAMES P. WATSON

NUMBER

PE-2015017071

PROFESSIONAL ENGINEER

James Watson, P.E.

November 1, 2023

PE-2015017071

MO Certificate of Authority # 2018029680

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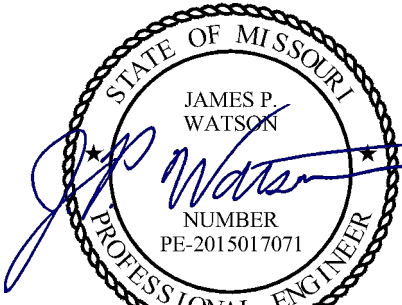
AHJ APPROVAL STAMP

SHEET TITLE

WATER & GAS
PLAN - 1ST
FLOOR - AREA B

SHEET NUMBER

PW111



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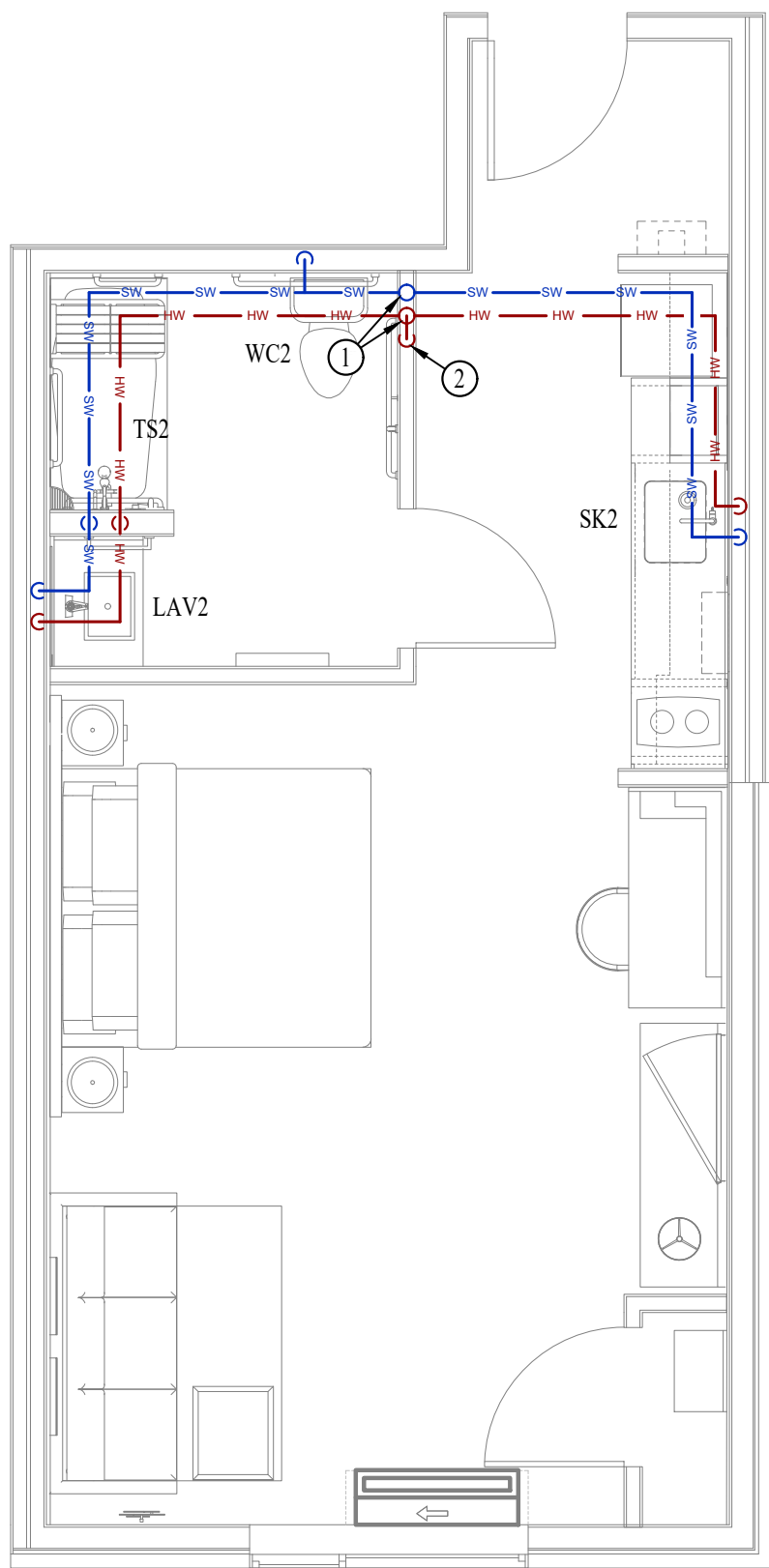
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J2 PROJECT No: J21006

J2 DESIGN: ACW

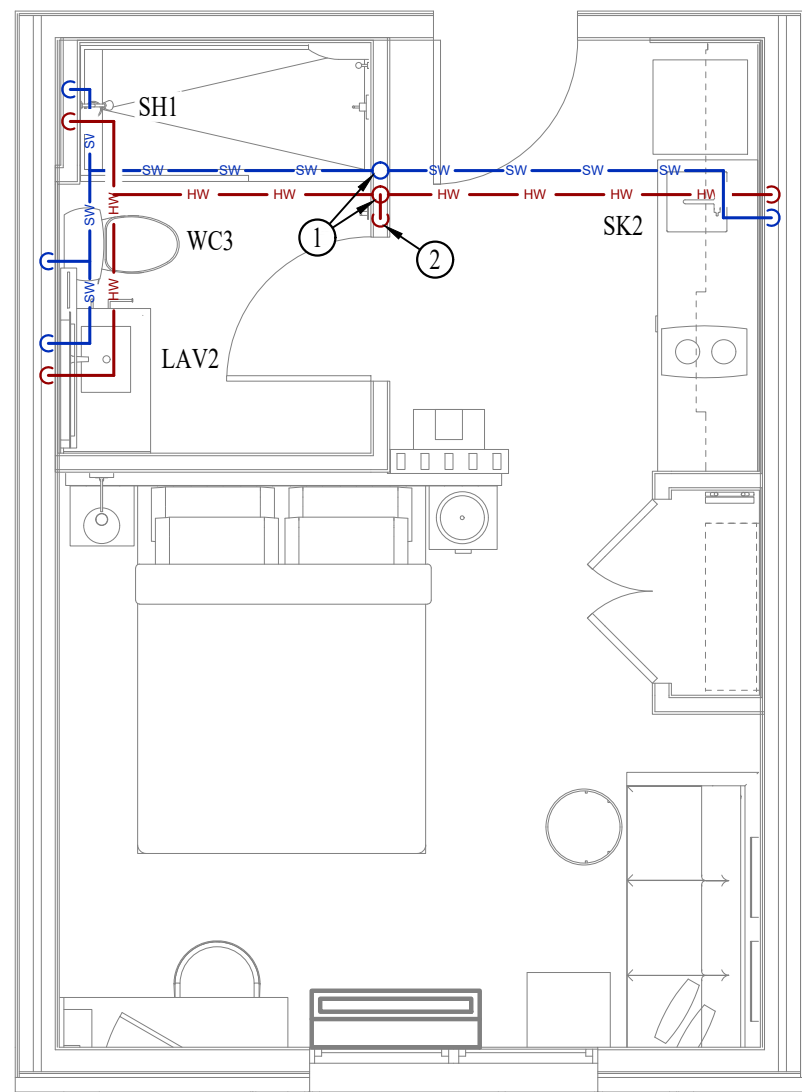
ISSUE TITLE DATE

CITY SUBMISSION 11 / 01 / 2023



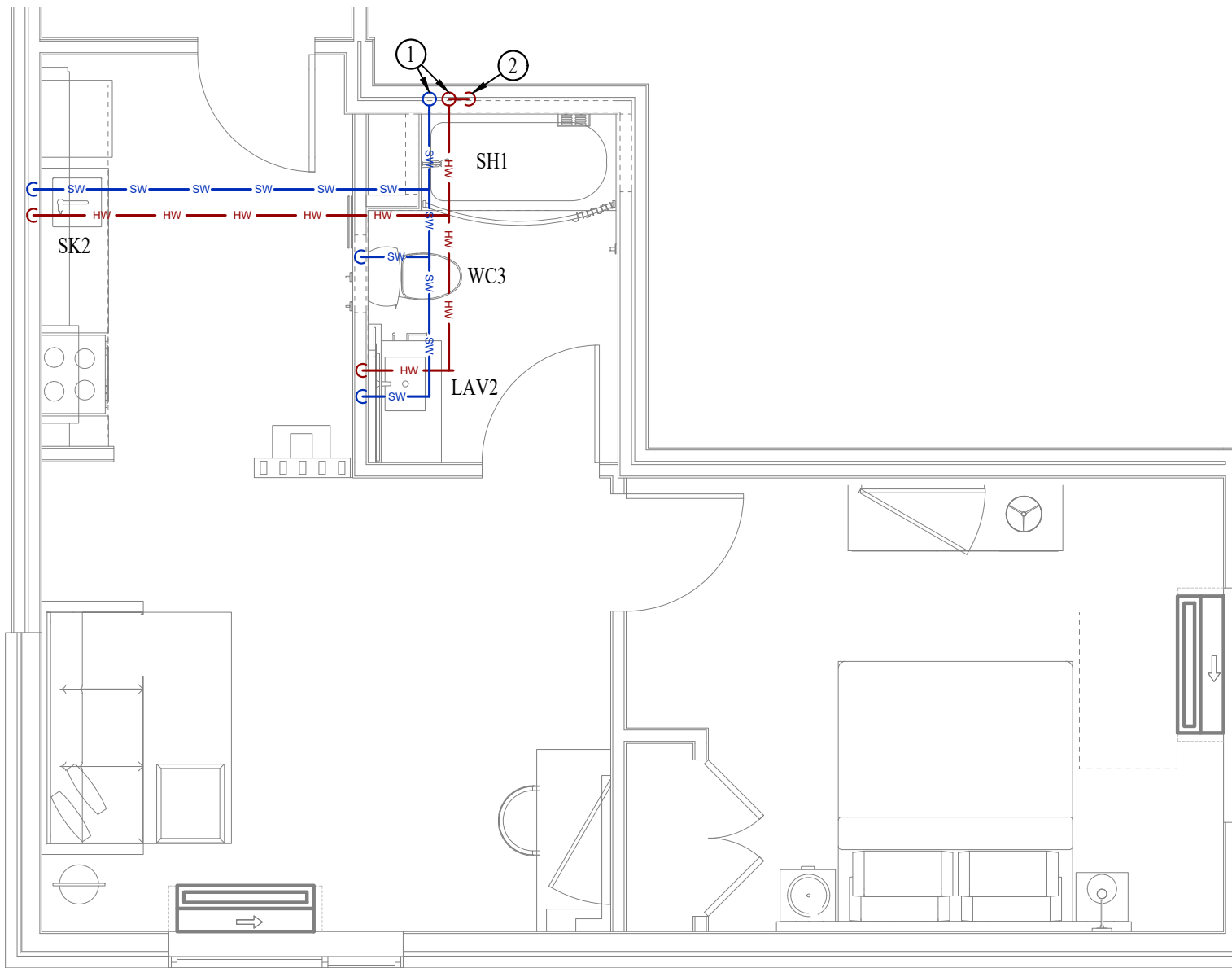
POWER PLAN - KING ACCESSIBLE

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



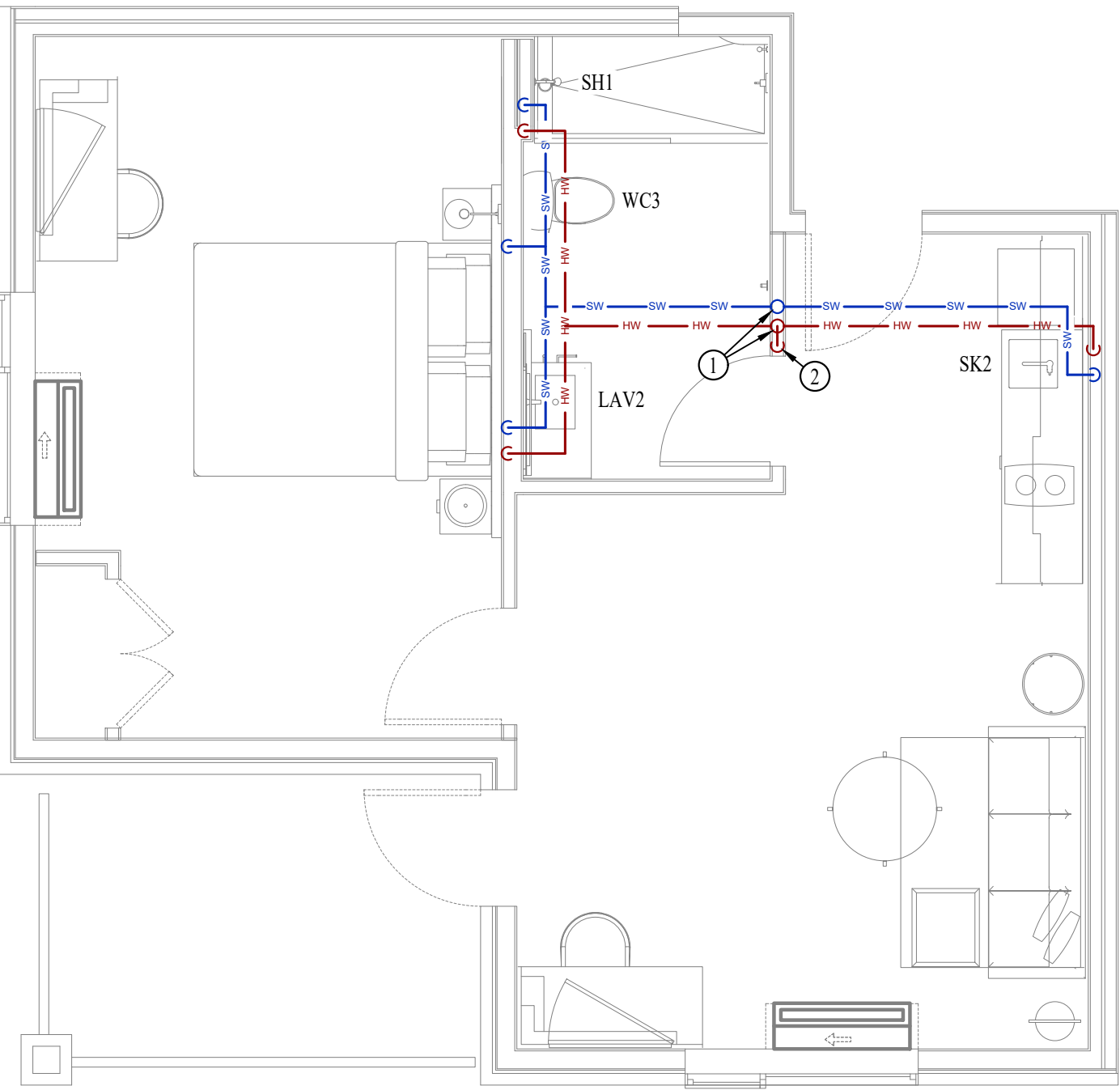
POWER PLAN - KING STUDIO

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



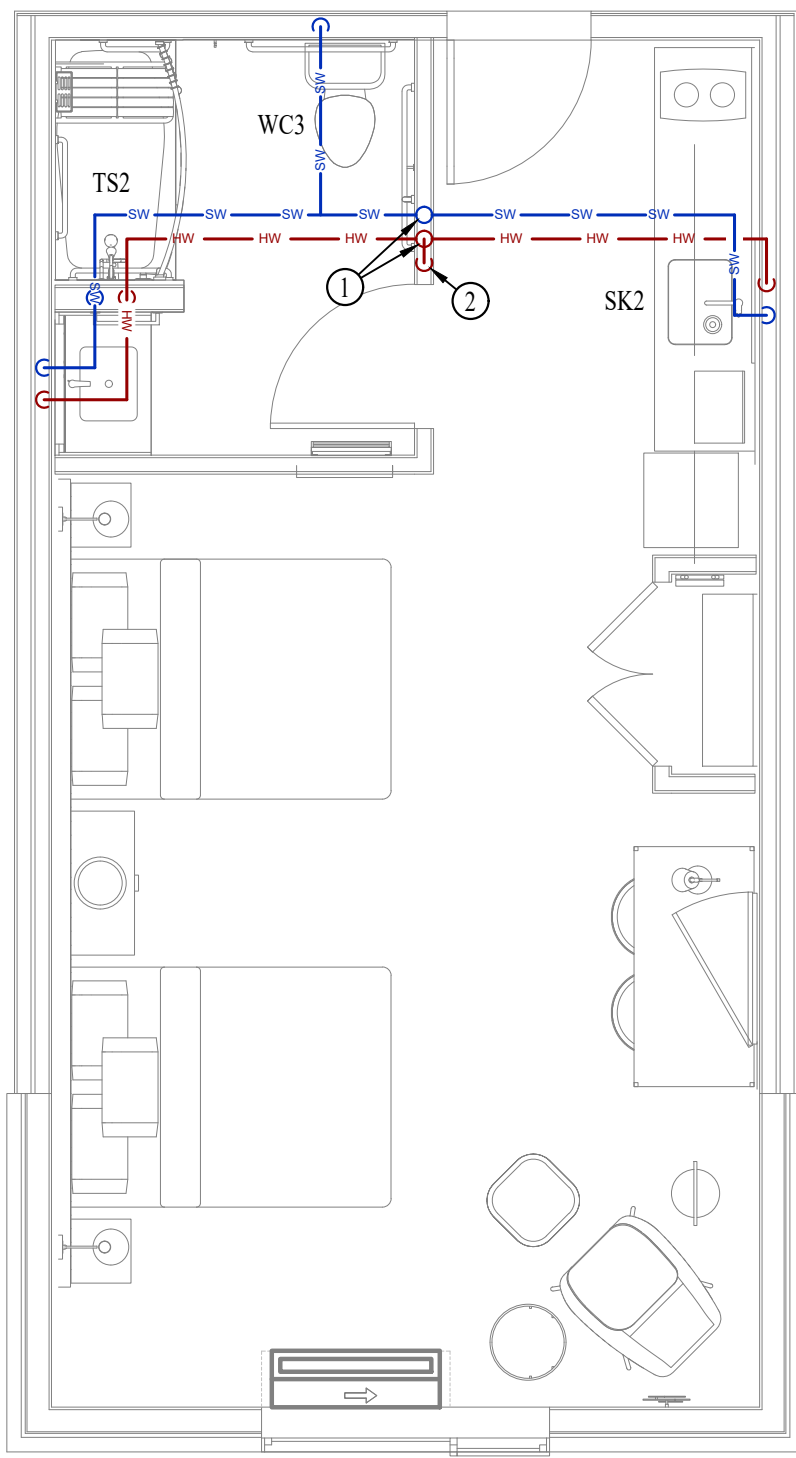
POWER PLAN - ONE BED KING

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



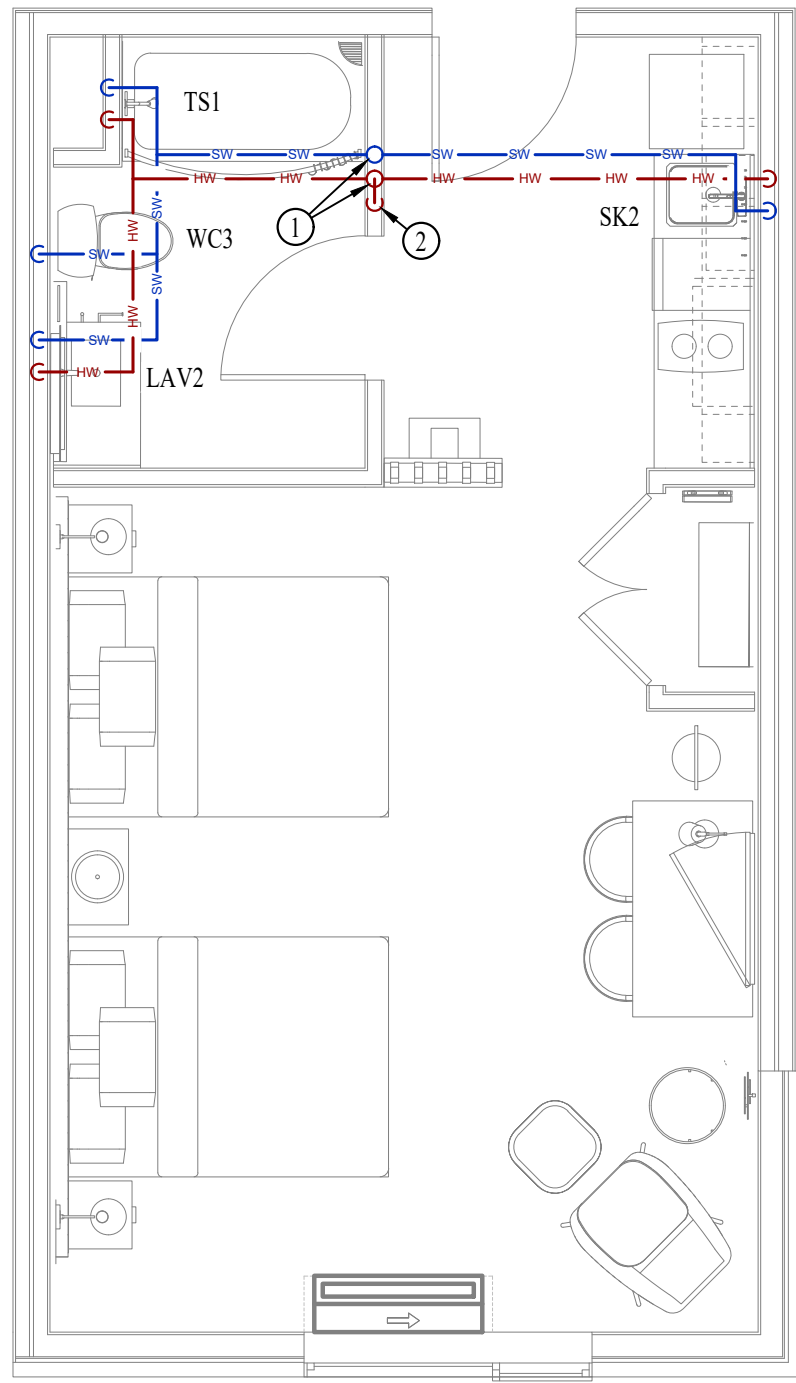
POWER PLAN - ONE BED KING W/ BALCONY

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



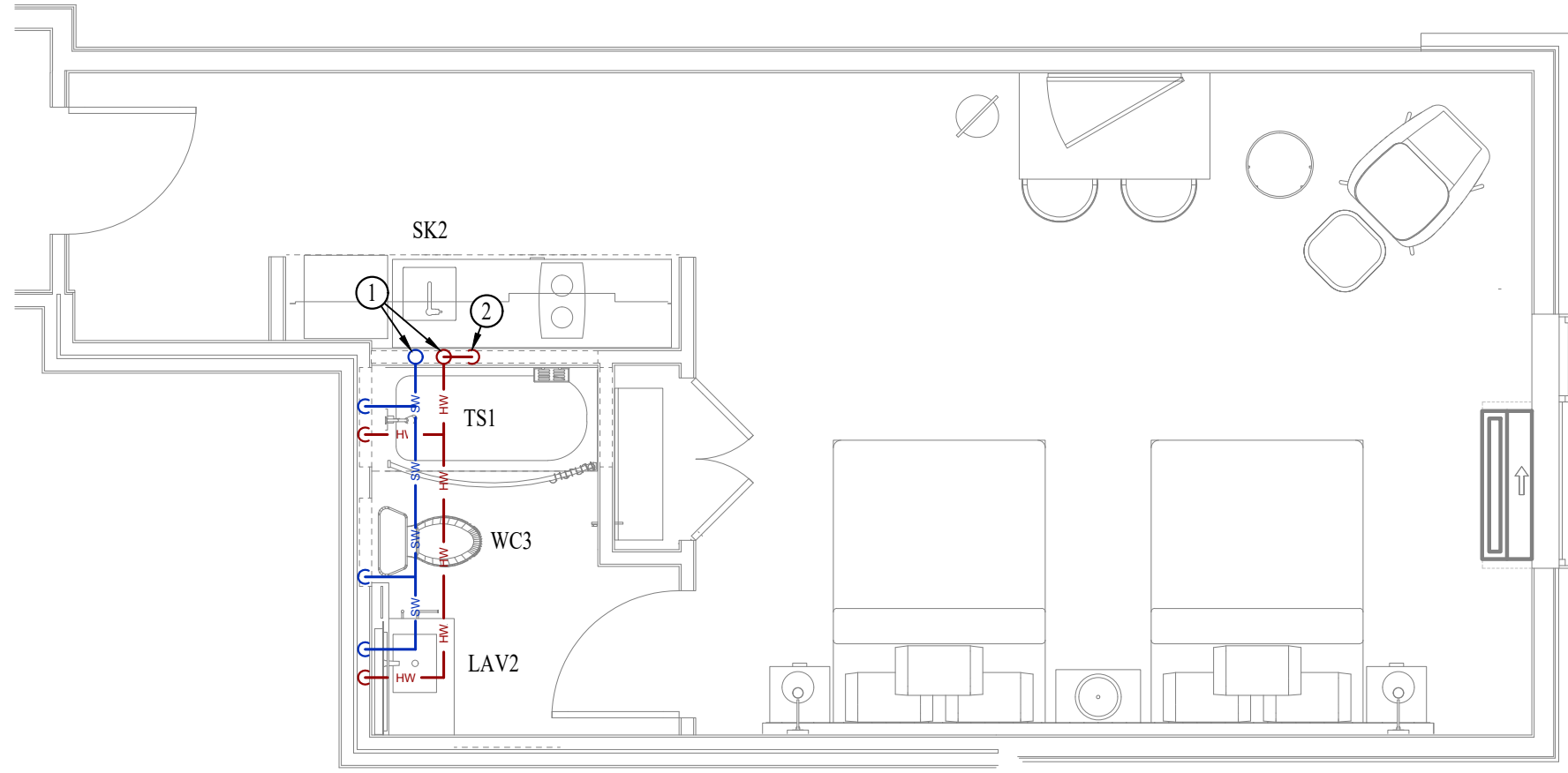
POWER PLAN - STUDIO DOUBLE QUEEN ACCESSIBLE

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



POWER PLAN - STUDIO DOUBLE QUEEN CENTER

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



POWER PLAN - STUDIO DOUBLE QUEEN END

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

WATER & GAS PLAN SYMBOL LEGEND

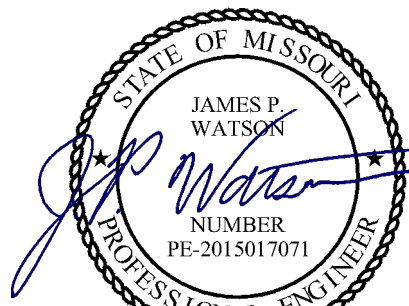
- CW COLD WATER LINE
- SW COLD SOFT WATER LINE
- HW HOT (120°F) WATER LINE
- HW HOT (140°F) WATER LINE
- HW HOT (120°F) WATER RECIRCULATION LINE
- HW HOT (140°F) WATER RECIRCULATION LINE
- FW FILTERED WATER LINE
- M WATER METER
- V VALVE
- P PUMP
- GAS GAS LINE
- G GAS METER
- PIPING TURNED DOWN / TURNED UP
- TIE INTO EXISTING

WATER & GAS PLAN GENERAL NOTES:

- SEE SHEET P501 FOR ADDITIONAL PLUMBING NOTES, DETAILS, & SCHEDULES.
- WATER PLAN SHOWN APPLIES TO SECOND, THIRD, AND FOURTH FLOORS. SEE PW100 SERIES SHEETS FOR WATER PLAN FOR FIRST AND SECOND FLOOR.

WATER & GAS PLAN KEY NOTES:

- 1" HW & 1" SW UP FROM SECOND FLOOR TO THIRD FLOOR; 3/4" HW & 3/4" SW CONTINUE UP TO FOURTH FLOOR.
- ON FOURTH FLOOR ONLY, CONNECT 3/4" HW TO 3/4" HWR AND RETURN TO SECOND FLOOR. INCLUDE AUTOMATIC FLOW BALANCING VALVE SET TO 1/2" GPM.



James Watson, P.E. November 1, 2023
PE-2015017071
MO Certificate of Authority # 2018029680



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J2 PROJECT No: J21006

J2 DESIGN: ACW

ISSUE TITLE DATE

CITY SUBMISSION 11 / 01 / 2023

Mechanical - Electrical - Plumbing Design Drawings for
Towneplace Suites By Marriott
1810 Northeast Douglas St.
Lee's Summit, Missouri 64064

AHJ APPROVAL STAMP

SHEET TITLE

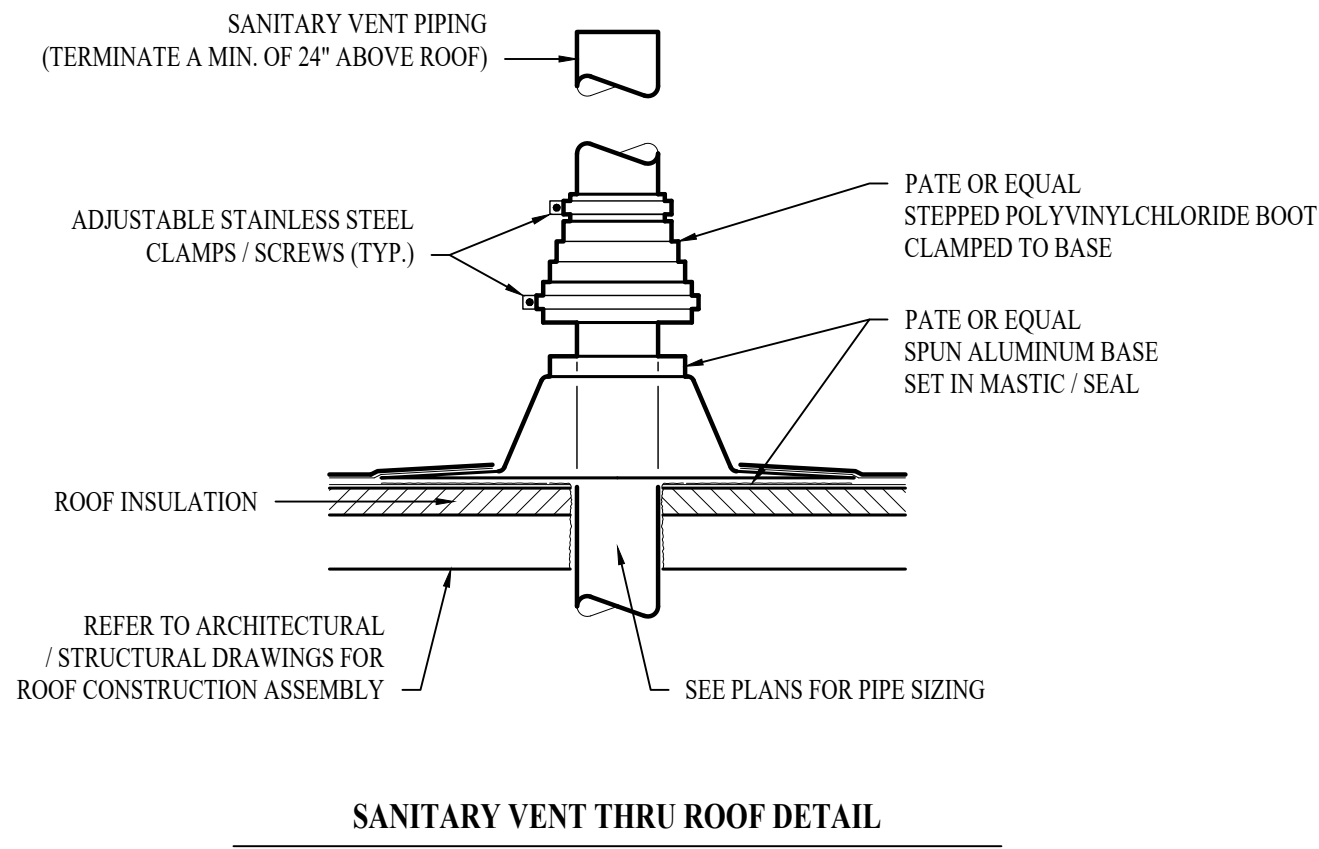
WATER PLAN - GUEST
ROOMS

SHEET NUMBER

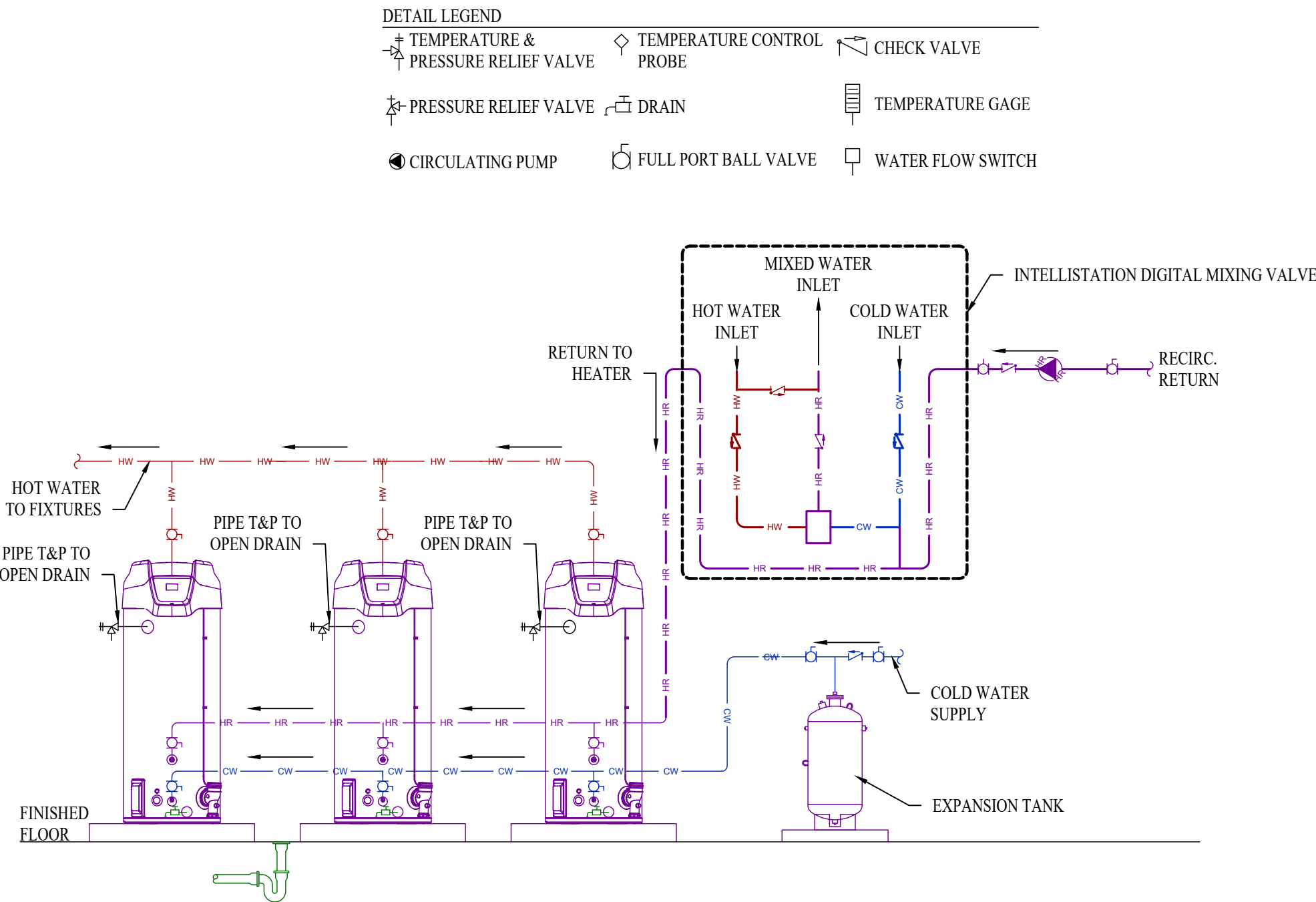
PW401

PLUMBING SPECIFICATIONS

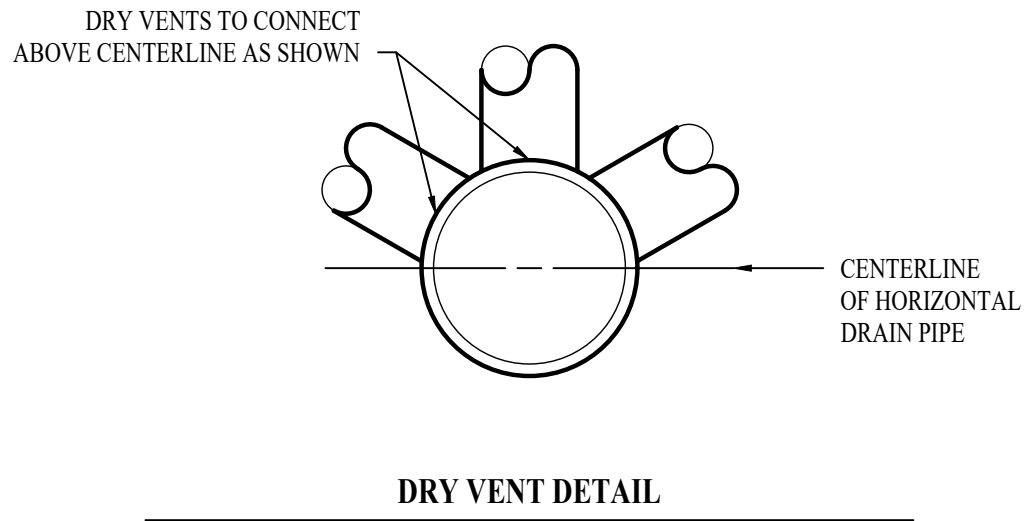
1. GENERAL
- 1.1. PLUMBING CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL ESCUTCHEONS, ¼ TURN STOPS, P-TRAPS, AND SUPPLY LINES TO PROVIDE A COMPLETE SYSTEM AT EACH FIXTURE INDICATED ON PLANS UNLESS NOTED OTHERWISE.
2. SANITARY
- 2.1. BELOW AND ABOVE GRADE WASTE AND VENT PIPING IN BUILDING TO BE SOLID CORE SCH. 40 PVC DWV.
- 2.2. NO PIPE SMALLER THAN 2" BELOW GRADE.
- 2.3. WASTE AND VENT PIPING IN PLENUMS TO BE CAST IRON, OR PVC WITH AN INSULATION WRAP LISTED FOR USE AS SUCH AN ASSEMBLY.
- 2.4. ALL VENT PIPE TERMINATIONS ARE TO BE LOCATED EITHER 10' HORIZONTALLY OR 3' ABOVE MECHANICAL AIR INTAKE LOCATIONS.
3. DOMESTIC WATER
- 3.1. DOMESTIC WATER PIPING TO BE EITHER COPPER OR PEX. WHERE PEX PIPING IS USED, IT SHALL BE INCREASED ONE PIPE SIZE FROM WHAT IS INDICATED ON PLANS FOR ALL PORTIONS OF THE SYSTEM.
- 3.2. PEX-A MAY BE INSTALLED AT SIZES INDICATED ON PLANS IF AN ENGINEERED PLAN IS SUBMITTED SHOWING ACCEPTABLE PRESSURE DROPS AND FLUID VELOCITIES. APPROVAL MUST BE GRANTED PRIOR TO PURCHASE AND INSTALLATION.
- 3.3. COPPER WATER PIPING BELOW GRADE SHALL BE TYPE "K". BELOW GRADE JOINTS SHALL BE SILVER SOLDERED. THERE SHALL BE NO JOINTS IN WATER PIPING LOCATED BENEATH BUILDING SLAB.
- 3.4. COPPER WATER PIPING ABOVE GRADE SHALL BE TYPE "L".
- 3.5. PROVIDE WATER HAMMER ARRESTORS AT ALL QUICK-CLOSE VALVES. FIXTURES REQUIRING WATER HAMMER ARRESTORS INCLUDE BUT ARE NOT LIMITED TO FLUSH VALVES, SENSOR FAUCETS, AND WASHING MACHINE BOXES. AIR CHAMBERS ARE NOT ACCEPTABLE.
- 3.6. ALL DOMESTIC WATER PIPING SHALL BE ROUTED WITHIN THERMAL ENVELOPE AND WITHIN WALL CAVITIES, ABOVE FINISHED CEILINGS, OR BELOW SLAB TO REMAIN CONCEALED UNLESS OTHERWISE NOTED. NOTIFY ENGINEER OF ANY NECESSARY ADJUSTMENTS THAT REQUIRE PIPING TO BE EXPOSED.
- 3.7. DOMESTIC WATER PIPING INSULATION
- 3.7.1. ALL HW PIPING, WHETHER COPPER OR PEX, SHALL BE INSULATED WITH PLENUM RATED CLOSED CELL ELASTOMERIC INSULATION. FOR PIPING LESS THAN ½", INSULATION THICKNESS TO BE 1". FOR PIPING ½" OR GREATER, INSULATION THICKNESS SHALL BE ½".
- 3.7.2. CW COPPER PIPING TO INSULATED WITH ½" PLENUM RATED CLOSED CELL ELASTOMERIC INSULATION. CW PEX NEED NOT BE INSULATED UNLESS NOTED OTHERWISE.
4. GAS PIPING
- 4.1. ABOVE GRADE NATURAL GAS AND LP PIPING TO BE SCH. 40 BLACK STEEL WITH CLASS 150 THREADED FITTINGS.
- 4.2. WHERE PIPING IS EXPOSED ON EXTERIOR FACE OF BUILDING, PAINT TO MATCH BUILDING. PAINT YELLOW IN ALL OTHER LOCATIONS.
- 4.3. ON ROOFTOPS, INSTALL GAS PIPE WITH "ROOFTOP BLOX" PER MANUFACTURE'S INSTRUCTION.
5. STORM DRAIN PIPING
- 5.1. ABOVE AND BELOW GRADE STORM PIPING SHALL BE SOLID CORE SCHEDULE 40 PVC.
- 5.2. ALL PRIMARY & SECONDARY STORM DRAIN PIPING & FITTINGS SHALL BE INSULATED WITH ½" FIBERGLASS INSULATION WITH ASI JACKET.



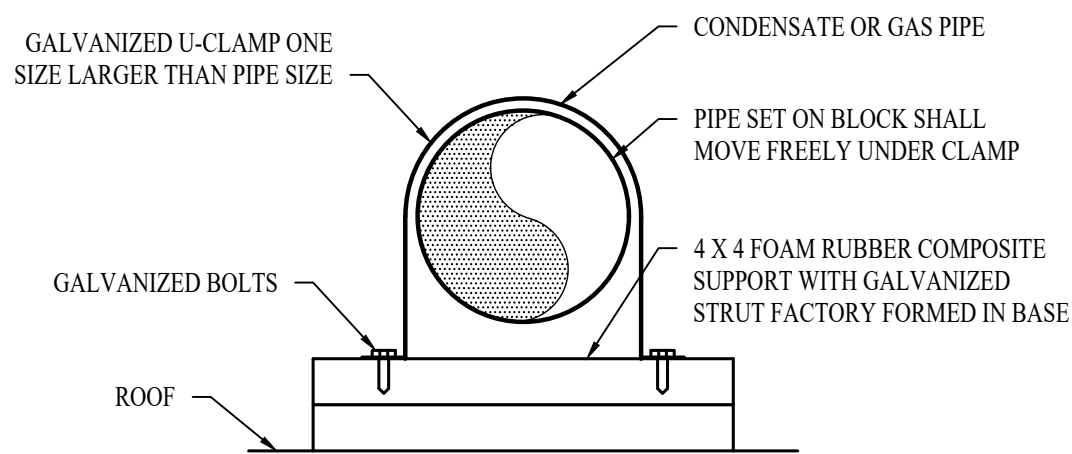
PLUMBING FIXTURE SCHEDULE				
TAG	DESCRIPTION	MANUFACTURER (OR EQUAL)	MODEL (OR EQUAL)	NOTES
BFP1	BACKFLOW PREVENTER	WILKINS	375	RPZ - 3"
BFP2	BACKFLOW PREVENTER	ZURN	950XL1	2" DOUBLE-CHECK FOR IRRIGATION
DN1	DOWNSPOUT NOZZLE	ZURN	Z199	
EXP1	EXPANSION TANK	WATTS	DETA-100	
FCO1	FLOOR CLEANOUT	ZURN	1400	
FD1	FLOOR DRAIN	ZURN	Z415BZ	WITH Z1072 TRAP SEAL
FPIBH	FROST PROOF HOSE BIB	WOODFORD	MODEL 67	
FS1	FLOOR SINK	ZURN	FD2370	WITH HALF GRATE & DOME STRAINER
FS2	FLOOR SINK	ZURN	Z1920	WITH HALF GRATE
GT1	GREASE TRAP	SCIBER	GB-75	
ID1	INTUB DRAIN	-	-	WITH Z1072 TRAP SEAL
HS1	HAND SINK	REGENCY	600HS17	
HWMS1	HOT WATER MIXING STATION	WATTS	INTELLISTATION	2 1/2", WITH BAS INTEGRATION, WITH RPT RECIRCULATION PUMP
LA V1	LAVATORY (DROP-IN W/ BATTERY SENSOR FAUCET)	AMERICAN STANDARD	0475028	WITH ZURN Z6915-XL-L-TMV-1 FAUCET, 1/4 TURN STOPS, AND BRAIDED STAINLESS STEEL SUPPLIES
LA V2	LAVATORY (INTEGRAL BOWL)	-	-	WITH ZURN Z81104-XL FAUCET, 1/4 TURN STOPS, AND BRAIDED STAINLESS STEEL SUPPLIES
LT1	LAUNDRY TUB	SWAN	MF4E	WITH ZURN Z8124-XL
MS1	MOP SINK	FLAT	MS12424	WITH ZURN Z84M1 FAUCET WITH WALL HOOK
RH1	ROOF HYDRANT	WOODFORD	SRH-MS	
RP1	HOT WATER RECIRCULATION PUMP	GRUNDFOS	ALPHA1	WITH BAS INTEGRATION
SH	SHOWER	AQUATIC	16036ST	60/30 AL COVE ONE-PIECE SHOWER, WITH MOEN POSI-TEMP SHOWER VALVE & TRIM KIT
SK1	SINGLE COMPARTMENT SINK (22x19x7)	ELKAY	1R2219	WITH TWO HANDLED ZURN Z871C4-XL FAUCET
SK2	SINGLE COMPARTMENT SINK (22x19x7)	ELKAY	1R2219	WITH TWO HANDLED ZURN Z871C4-XL FAUCET
SK3	SINGLE COMPARTMENT SINK (22x19x7)	ELKAY	1R2219	WITH TWO HANDLED ZURN Z871C4-XL FAUCET
SP1	SUMP PUMP	ZOHLER	153-0002	120V, 1/2 HP
TD1	ROOF DRAIN	ZURN	Z100	
TS1	TUB / SHOWER	AQUATIC	260330	60/30 AL COVE ONE-PIECE TUB/SHOWER, WITH MOEN POSI-TEMP SHOWER VALVE & TRIM KIT
TS2	TUB / SHOWER - ADA	AQUATIC	2603CTH	60/30 ADA WITH HANDHELD SHOWER & SLIDE BAR, GRAB BARS, REMOVABLE SEAT, MIXING VALVE, TRIM KIT
WB1	WASHER BOX	OATEY	38529	WASHER BOX W/ 1/4 TURN VALVES
WC1	WATER CLOSET - ADA HEIGHT - TANK	AMERICAN STANDARD	215AA.004	WITH CHURCH 9506SCT SELF SUSTAINING SEAT, STAINLESS BRAIDED SUPPLY, AND 1/4 TURN SHUT-OFF.
WC2	WATER CLOSET - ADA HEIGHT - TANK	AMERICAN STANDARD	215AA.004	WITH CHURCH 9506SCT SELF SUSTAINING SEAT, STAINLESS BRAIDED SUPPLY, AND 1/4 TURN SHUT-OFF.
WC3	WATER CLOSET - STANDARD HEIGHT - TANK	AMERICAN STANDARD	215CA.004	WITH CHURCH 9506SCT SELF SUSTAINING SEAT, STAINLESS BRAIDED SUPPLY, AND 1/4 TURN SHUT-OFF.
WH1	WATER HEATER - GAS	AO SMITH	BTH-199	199KBTU, 100 GALLON, WITH "EXP"
WSS1	WATER SOFTENER SYSTEM	CULLIGAN	IC1-450-3	3", 160GPM CONTINUOUS, 210GPM PEAK
YCO1	YARD CLEAN OUT	ZURN	Z1400	
NOTES:				
1. VERIFY NECESSARY FIXTURES MEET ADA REQUIREMENTS WITH ARCHITECT PRIOR TO INSTALLATION				
2. VERIFY ALL FIXTURES WITH OWNER & BRAND REQUIREMENTS PRIOR TO PURCHASE				



MULTIPLE WATER HEATER PIPING DETAIL WITH RECIRCULATION AND DIGITAL MIXING VALVE



DRY VENT DETAIL

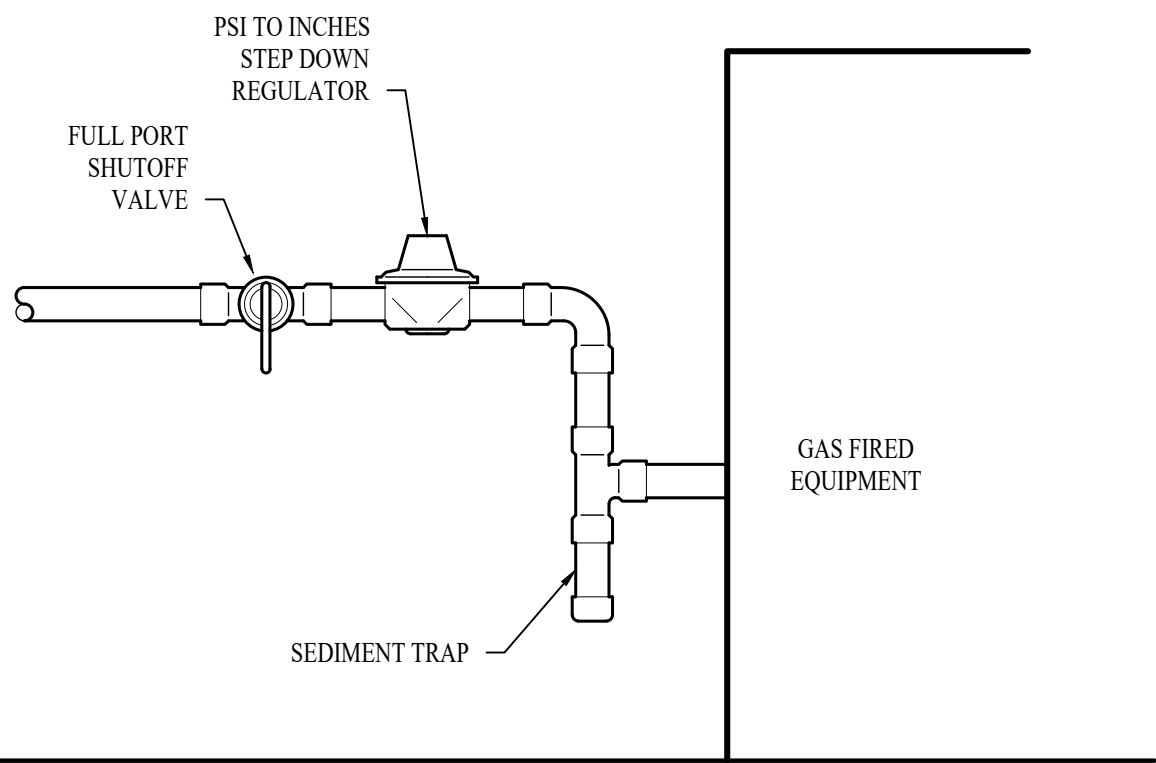


STEEL PIPE NOMINAL SIZE OF PIPE (IN.)	SPACING OF SUPPORTS (FT.)
½"	6
¾" OR 1"	8
1 ¼" OR LARGER (HORIZONTAL)	10

NOTE:
INSTALL SUPPORTS ACCORDING TO NATIONAL FUEL GAS CODE 2015 EDITION

PIPE SUPPORT DETAIL

PLUMBING CONNECTION SIZING SCHEDULE					
FIXTURE		SANITARY PIPING		SUPPLY PIPING	
TYPE	TYPICAL ABBREVIATION	WASTE CONNECTION	VENT CONNECTION	COLD WATER CONNECTION	HOT WATER CONNECTION
DRINKING FOUNTAIN	DF	1-1/2"	1-1/4"	1/2"	-
FLOOR DRAIN	FD	3"	2"	-	-
HAND / HAIR SINK	HS / SK	2"	1-1/4"	1/2"	1/2"
HOSE BIBB	HB	-	-	3/4"	-
LAVATORY	LAV	1-1/2"	1-1/4"	1/2"	1/2"
MOP SINK	MS	3"	1-1/2"	1/2"	1/2"
ICE MAKER OUTLET BOX	REF	-	-	1/2"	-
SHOWER	SH	3"	1-1/2"	1/2"	1/2"
URINAL	UR	2"	1-1/4"	3/4"	-
WATER CLOSET (FLUSH TANK)	WC	3"	2"	1/2"	-
WATER CLOSET (FLUSH VALVE)	WC	3"	2"	1"	-
NOTES:					
1. SIZES SHOWN ABOVE ARE TYPICAL UNLESS NOTED OTHERWISE ON PLANS					



GAS EQUIPMENT SUPPLY DETAIL W/ REGULATOR