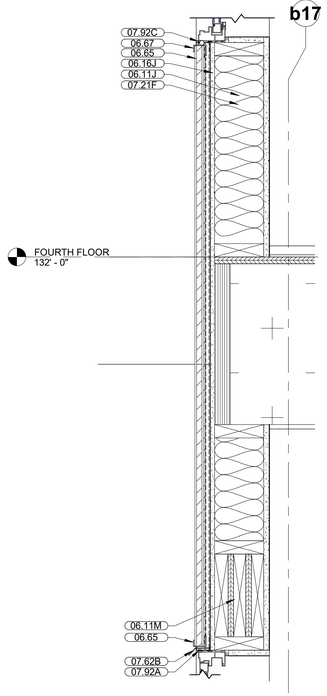
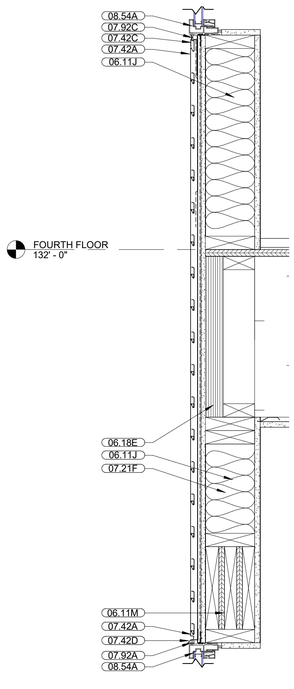
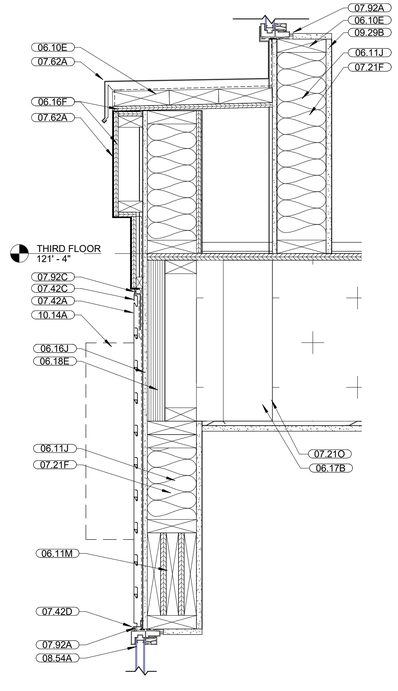


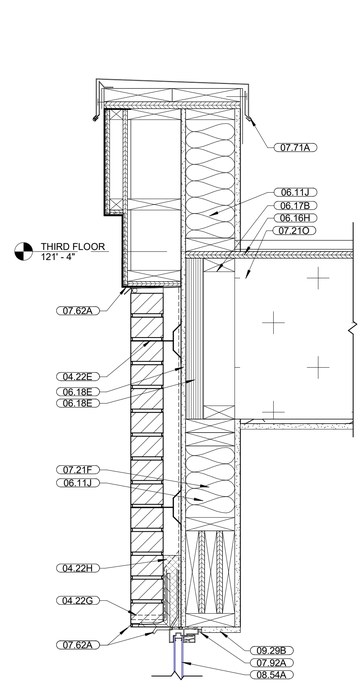
E9 HEADER & SILL @ WOOD COMPOSITE CLADDING
1 1/2" = 1'-0" A8 / A-323



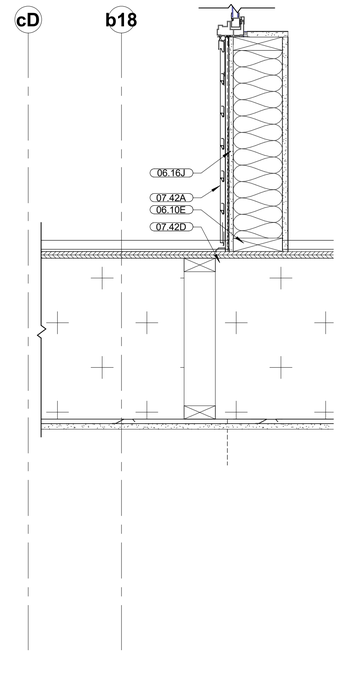
E7 HEADER & SILL @ METAL PANEL
1 1/2" = 1'-0" A5 / A-323

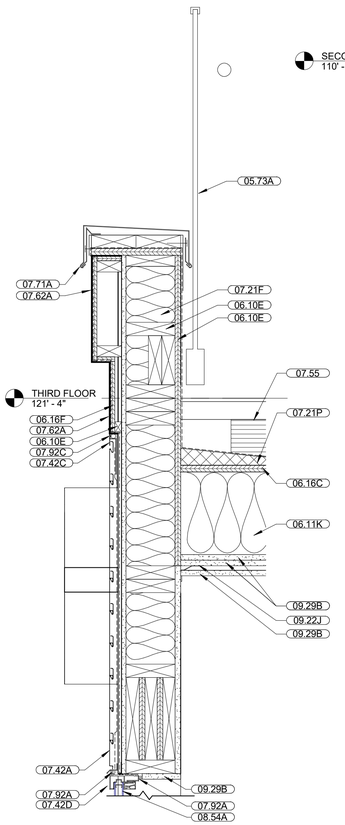


E5 PARAPET @ UNIT & LOBBY
1 1/2" = 1'-0" A5 / A-323

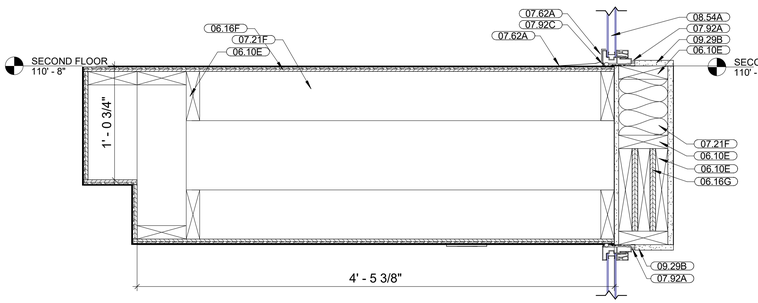


E1 BRICK @ LOBBY ENTRANCE
1 1/2" = 1'-0" A1 / A-323

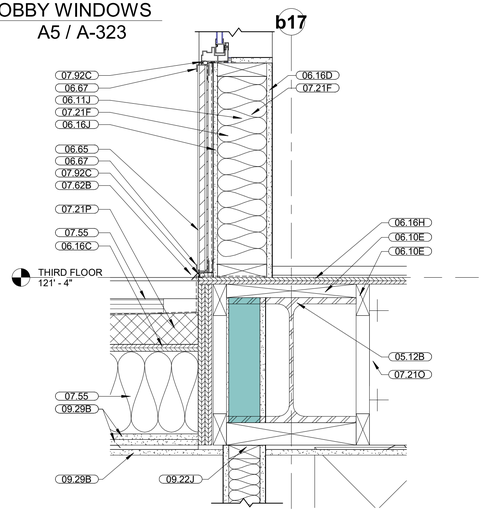




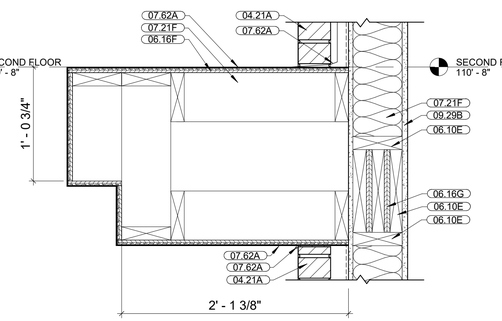
A9 PAVER SYSTEM @ PARAPET
1 1/2" = 1'-0" A8 / A-323



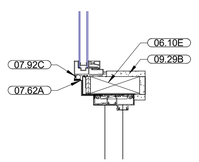
C6 CANOPY @ LOBBY WINDOWS
1 1/2" = 1'-0" A5 / A-323



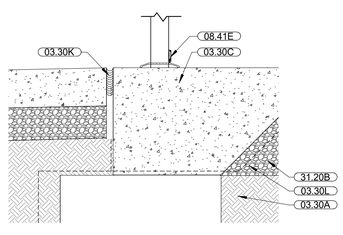
A6 PAVER SYSTEM @ STEEL STRUCTURE
1 1/2" = 1'-0" A8 / A-323



C3 CANOPOY @ BRICK LOBBY
1 1/2" = 1'-0" A3 / A-323



B3 NAIL FIN AND LOBBY ENTRANCE
1 1/2" = 1'-0" A5 / A-323



A3 SILL @ LOBBY ENTRANCE
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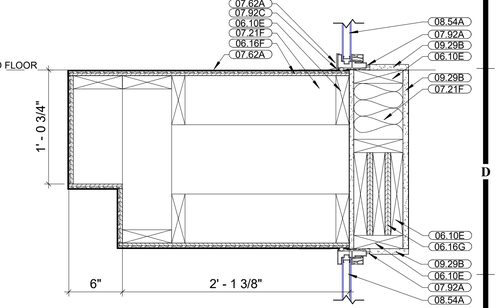
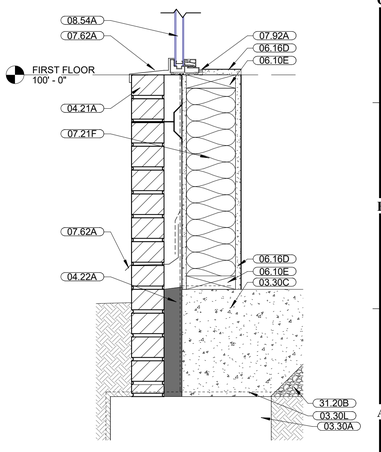


C1 CANOPY @ LOBBY
1 1/2" = 1'-0" A1 / A-323



A1 BRICK SILL @ LOBBY
1 1/2" = 1'-0" A1 / A-323

GENERAL NOTES - WALL SECTIONS:

1. DIMENSIONS SHOWN ARE TO THE FACE OF EXTERIOR WALL, FACE OF MASONRY (FOM), FACE OF CONCRETE WALLS (FOC), AND COLUMN GRID LINES, UNLESS OTHERWISE NOTED OR INDICATED.
2. ALL WINDOW AND DOOR OPENING DIMENSIONS ARE ROUGH OPENINGS, UNLESS NOTED OTHERWISE.
3. EXTERIOR FERROUS METAL ITEMS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING SHALL BE GALVANIZED AND PAINTED, UNLESS OTHERWISE INDICATED:
   A. EXPOSED STEEL COLUMNS
   B. LOOSE LINTELS
   C. SHELF ANGLES
   D. STEEL ANGLE OR CHANNEL JAMBS
   E. LADDERS
   F. LADDER SAFETY CAGES
   G. HANDRAILS
   H. GUARDRAILS
   I. BOLLARDS
4. THE FRAMING OF THE EXTERIOR ENVELOPE SHALL BE DESIGNED BY THE CONTRACTOR'S DELEGATED DESIGN ENGINEER IN ACCORDANCE WITH PERFORMANCE REQUIREMENTS. INCLUDE ALL SUBSTRATE, ANCHORAGE, EMBED AND CONNECTIONS TO THE STRUCTURAL FRAME.
5. THESE SECTIONS DO NOT INDICATE ALL INSTANCES OF MASONRY OR PANEL PATTERNING. REFER TO EXTERIOR ELEVATIONS AND SECTION DETAILS.
6. ANY ROOF WORK NOT SPECIFICALLY DETAILED SHALL BE DESIGNED AND EXECUTED IN ACCORDANCE WITH THE APPROPRIATE NRCA MANUAL.
7. PROVIDE ROOFING MANUFACTURER'S STANDARD, WARRANTABLE ROOFING AND PENETRATION DETAILS UNLESS OTHERWISE DRAWN.
8. AT EXTERIOR WALLS, PROVIDE CONTINUOUS WATERSTOP OR LEDGE.
9. REFER TO STRUCTURAL DOCUMENTS FOR EXACT LOCATION AND TYPES OF STRUCTURAL MEMBERS FOR JOIST BEARING, TOP OF STEEL & BOTTOM OF DECK ELEVATIONS, AND FOR COMPLETE DETAILS OF ALL STRUCTURAL CONNECTIONS.
10. SOFFITS AND CONCEALED SPACES OUTSIDE THE THERMAL ENVELOPE SHALL BE VENTED.
11. ALL BATT INSULATION IN EXTERIOR WALLS SHALL BE UNFACED. WHERE STUD DEPTH EXCEEDS INSULATION THICKNESS, PLACE INSULATION AT EXTERIOR SIDE OF STUD.
12. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS, UNLESS NOTED OTHERWISE.
13. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM BOARD AT THE INTERIOR FACE OF ALL EXTERIOR WALLS.
14. AT HEALTHCARE AND HIGH HUMIDITY PROJECTS, PROVIDE FIBERGLASS MAT GYP SHEATHING ON INTERIOR FACE OF EXTERIOR WALLS.

MATERIAL KEYNOTES

03.30A	CONCRETE FOOTING
03.30C	CONCRETE SLAB-ON-GRADE
03.30K	1/2-INCH COMPRESSIBLE JOINT FILLER (HOLD DOWN TOP 1/2-INCH - FILL W/ SEALANT)
03.30L	UNDER-SLAB VAPOR RETARDER
04.21A	FACE BRICK - TYPE A
04.22A	GROUT SOLID - DRAINAGE CAVITY
04.22E	TIES AND ANCHORS
04.22G	WEEP VENTS @ 24-INCH O.C.
04.22H	CAVITY DRAINAGE MATERIAL (MORTAR NET)
05.12B	STEEL BEAM RE: STRUCT
05.73A	DECORATIVE METAL/ GLASS RAILING
06.10E	WOOD BLOCKING, AS REQUIRED
06.11J	2 X WOOD FRAMING, REF WALL SCHEDULE AND STRUCTURAL DRAWINGS.
06.11K	2 X 10 WOOD FRAMING
06.11M	WOOD HEADER RE: STRUCT
06.16C	3/4-INCH FIRE-RETARDANT-TREATED PLYWOOD SHEATHING
06.16D	EXTERIOR GLASS-MAT GYPSUM WALL SHEATHING W/ TAPED AND SEALED SEAMS
06.16F	1/2-INCH PLYWOOD SHEATHING
06.16G	5/8-INCH PLYWOOD SHEATHING
06.16H	3/4-INCH PLYWOOD SHEATHING
06.16J	1/2-INCH ZIP SYSTEM WITH INTEGRATED AIR BARRIER
06.17B	SHOP-FABRICATED WOOD FLOOR TRUSS RE: STRUCT
06.18E	ENGINEERED RIM JOIST
06.65	WOOD COMPOSITE CLADDING - ALL WEATHER SHADOW LINE (BRAZILIAN IPE)
06.67	WOOD COMPOSITE CLADDING TRIM RE: MANUFACTURER
07.21F	6-INCH THERMAL BATT INSULATION (R-VALUE 19)
07.21O	BLOWN-IN INSULATION
07.21P	BATT INSULATION, REF WALL SCHEDULE
07.42A	THIN METAL PANEL SYSTEM SCREWED TO SOLID SHEATHING. RE: SPECS AND MANUFACTURER
07.42C	METAL PANEL SYSTEM HEAD TRIM RE: SPECS AND MANUFACTURER
07.42D	METAL PANEL SYSTEM SILL TRIM RE: SPECS AND MANUFACTURER
07.55	ROOF PAVER SYSTEM
07.62A	PREFINISHED SHEET METAL FLASHING
07.62B	PRE-FINISHED METAL SILL FLASHING W/ END DAMS
07.71A	PREFINISHED METAL COPING & CONT CLEAT
07.92A	JOINT SEALANT
07.92C	BACKER ROD AND SEALANT
08.41E	ALUMINUM THRESHOLD
08.54A	ALUMINUM FIBERGLASS WINDOW
09.22J	1/2-INCH RESILIENT FURRING CHANNEL
09.29B	INTERIOR 5/8-INCH TYPE X GYP BD RE: WALL TYPES
10.14A	SIGNAGE - EXTERIOR
31.20B	GRANULAR FILL

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LEE'S SUMMIT, MO 64081

REVISION DATES:

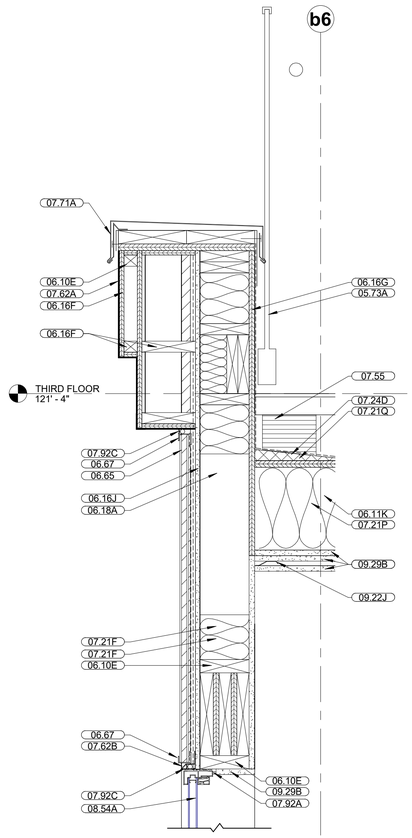
STATE OF MISSOURI
MICHAEL JOHN GOSLING
NUMBER A-2016000380
12.22.25
ARCHITECT

PROFESSIONAL SEAL

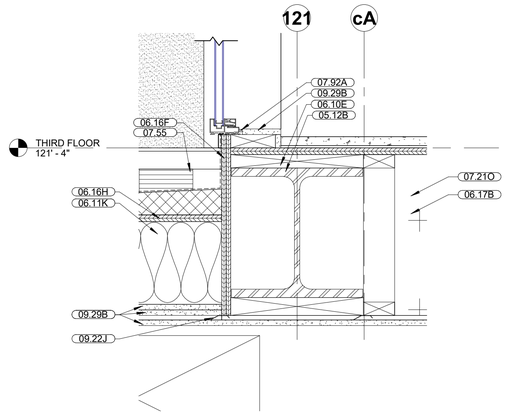
A-503

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

EXTERIOR SECTION DETAILS



D7 WOOD COMPOSITE CLADDING @ FITNESS
1 1/2" = 1'-0"



F3 UNIT @ PAVER SYSTEM NAIL FIN
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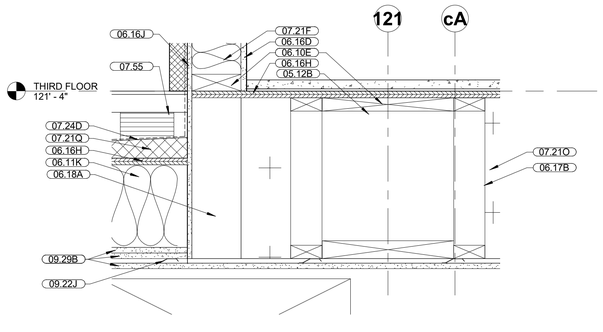
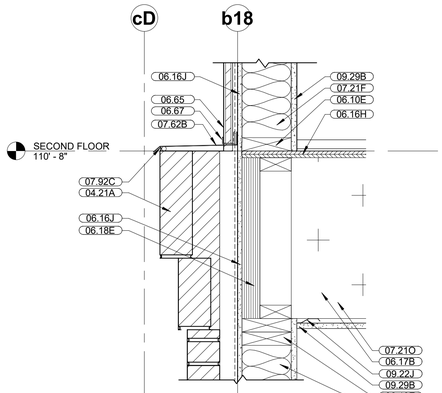
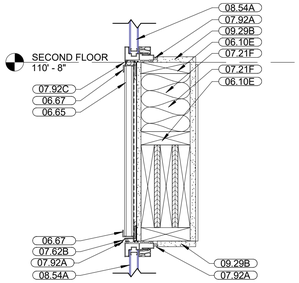


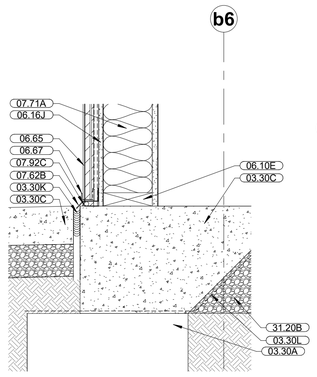
D3 UNIT @ PAVER SYSTEM
1 1/2" = 1'-0"



D1 BRICK BAND PROFILE
1 1/2" = 1'-0"



C9 NAIL FIN @ FITNESS
1 1/2" = 1'-0"



A9 FOOTING @ WOOD COMPOSITE CLADDING
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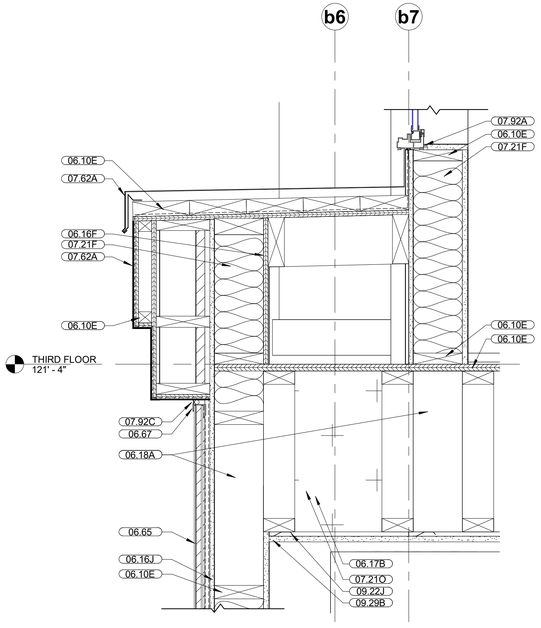
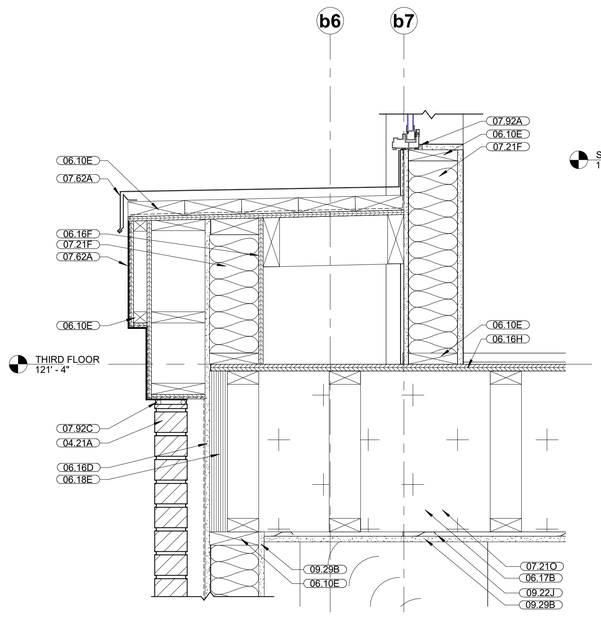


A7 PARAPET @ UNIT & FITNESS
1 1/2" = 1'-0"



A3 BRICK PARAPET @ UNIT & FITNESS
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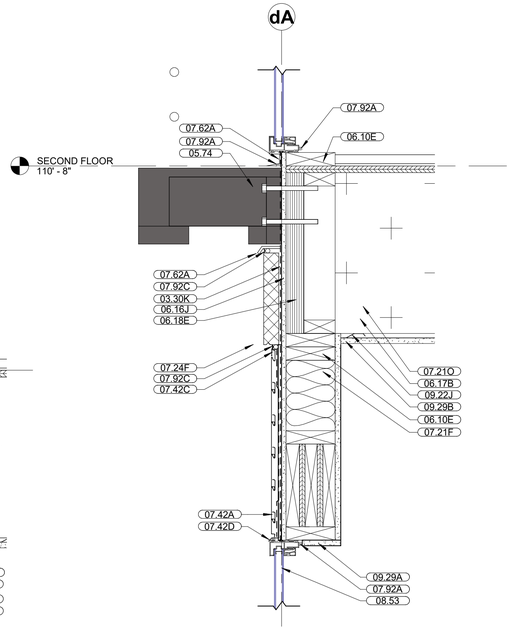

A1 BALCONY @ EIFS & METAL PANEL
1 1/2" = 1'-0"

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   C. SHELF ANGLES
   D. STEEL ANGLE OR CHANNEL JAMBS
   E. LADDERS
   F. LADDER SAFETY CAGES
   G. HANDRAILS
   H. GUARDRAILS
   I. BOLLARDS
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12. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS, UNLESS NOTED OTHERWISE.
13. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM BOARD AT THE INTERIOR FACE OF ALL EXTERIOR WALLS.
14. AT HEALTHCARE AND HIGH HUMIDITY PROJECTS, PROVIDE FIBERGLASS MAT GYP SHEATHING ON INTERIOR FACE OF EXTERIOR WALLS.

MATERIAL KEYNOTES

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03.30L	UNDER-SLAB VAPOR RETARDER
04.21A	FACE BRICK - TYPE A
05.12B	STEEL BEAM RE: STRUCT
05.73A	DECORATIVE METAL/ GLASS RAILING
05.74	PRE-MANUFACTURED BALCONY AND RAILING RE: MANUFACTURER FOR INSTALLATION AND ATTACHMENTS
06.10E	WOOD BLOCKING, AS REQUIRED
06.11K	2 X 10 WOOD FRAMING
06.16D	EXTERIOR GLASS-MAT GYPSUM WALL SHEATHING W/ TAPED AND SEALED SEAMS
06.16F	1/2-INCH PLYWOOD SHEATHING
06.16G	5/8-INCH PLYWOOD SHEATHING
06.16H	3/4-INCH PLYWOOD SHEATHING
06.16J	1/2-INCH ZIP SYSTEM WITH INTEGRATED AIR BARRIER
06.17B	SHOP-FABRICATED WOOD FLOOR TRUSS RE: STRUCT
06.18A	GLUED-LAMINATED BEAM
06.18E	ENGINEERED RIM JOIST
06.65	WOOD COMPOSITE CLADDING - ALL WEATHER SHADOW LINE (BRAZILIAN IPE)
06.67	WOOD COMPOSITE CLADDING TRIM RE: MANUFACTURER
07.21F	6-INCH THERMAL BATT INSULATION (R-VALUE 19)
07.21O	BLOWN-IN INSULATION
07.21P	BATT INSULATION, REF WALL SCHEDULE
07.21Q	4" XPS INSULATION 60 PSI MIN
07.24D	DRAINAGE MAT
07.24F	EIFS DRIP EDGE
07.42A	THIN METAL PANEL SYSTEM SCREWED TO SOLID SHEATHING. RE: SPECS AND MANUFACTURER
07.42C	METAL PANEL SYSTEM HEAD TRIM RE: SPECS AND MANUFACTURER
07.42D	METAL PANEL SYSTEM SILL TRIM RE: SPECS AND MANUFACTURER
07.55	ROOF PAVER SYSTEM
07.62A	PREFINISHED SHEET METAL FLASHING
07.62B	PRE-FINISHED METAL SILL FLASHING W/ END DAMS
07.71A	PREFINISHED METAL COPING & CONT CLEAT
07.92A	JOINT SEALANT
07.92C	BACKER ROD AND SEALANT
08.53	VINYL WINDOW SYSTEM
08.54A	ALUMINUM FIBERGLASS WINDOW
09.22J	1/2-INCH RESILIENT FURRING CHANNEL
09.29A	INTERIOR 5/8-INCH GYP BD REF: WALL TYPES
09.29B	INTERIOR 5/8-INCH TYPE X GYP BD RE: WALL TYPES
31.20B	GRANULAR FILL

HOEFER WELKER

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REVISION DATES:

STATE OF MISSOURI
MICHAEL JOHN GOSLINGA
NUMBER A-2016000380
12.22.25
ARCHITECT

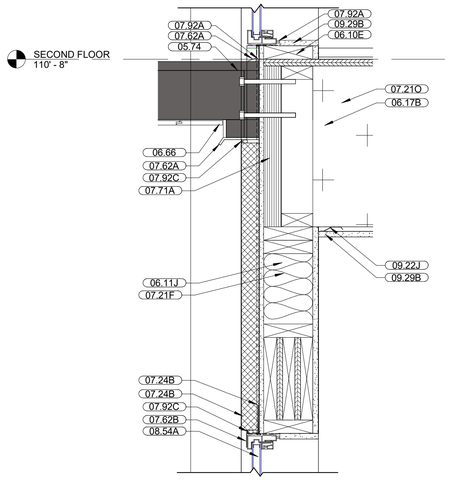
PROFESSIONAL SEAL

A-504

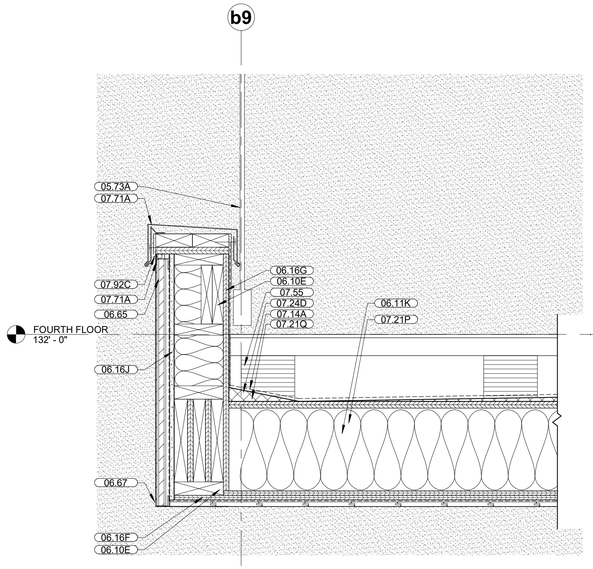
ISSUE DATE: DECEMBER 22, 2025

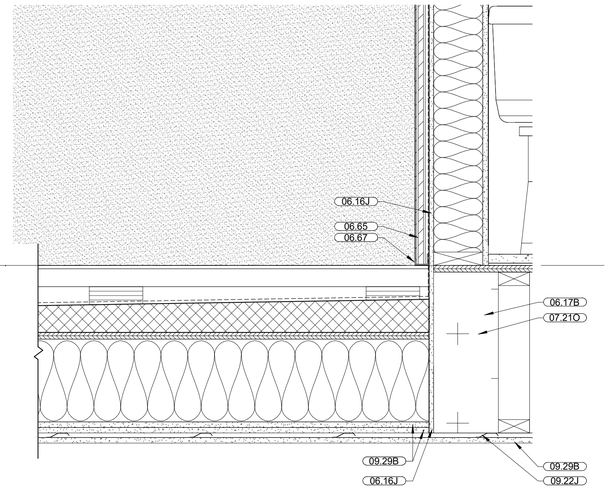
HOEFER WELKER #: 1259011

EXTERIOR SECTION DETAILS

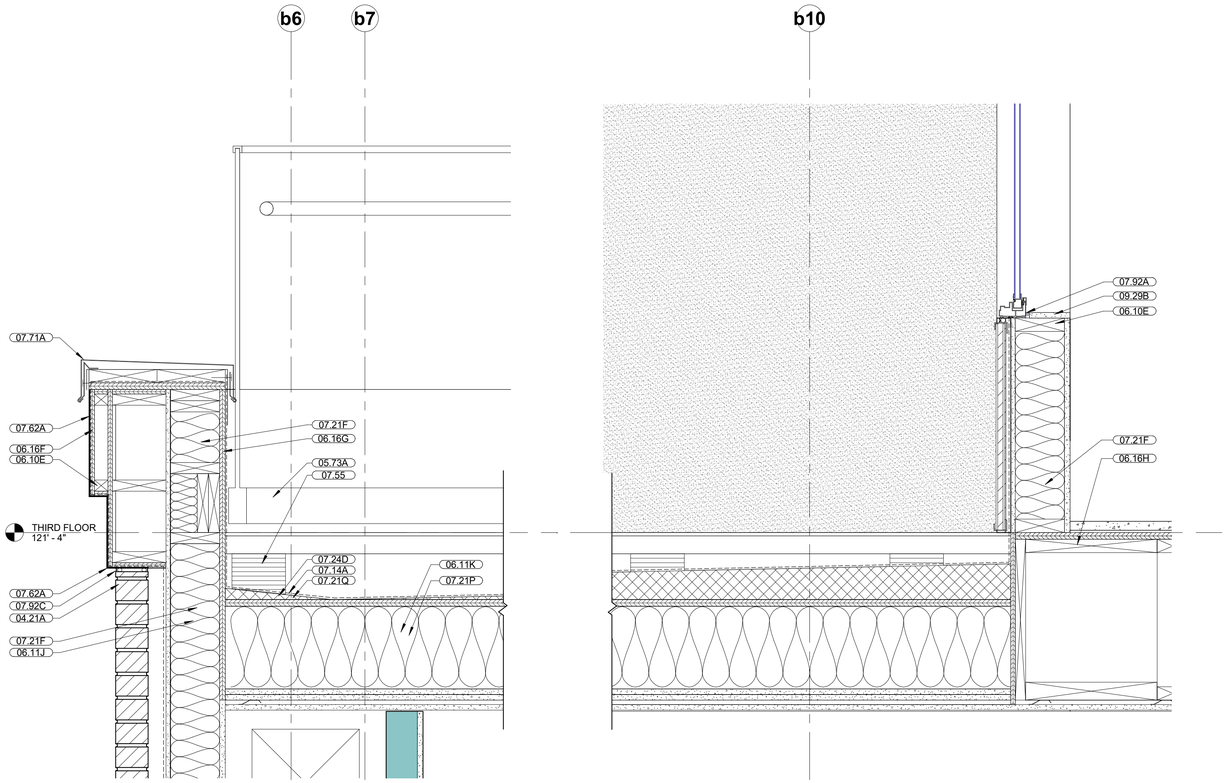


F7 BALCONY @ INTERIROR CORNER UNITS
1 1/2" = 1'-0"

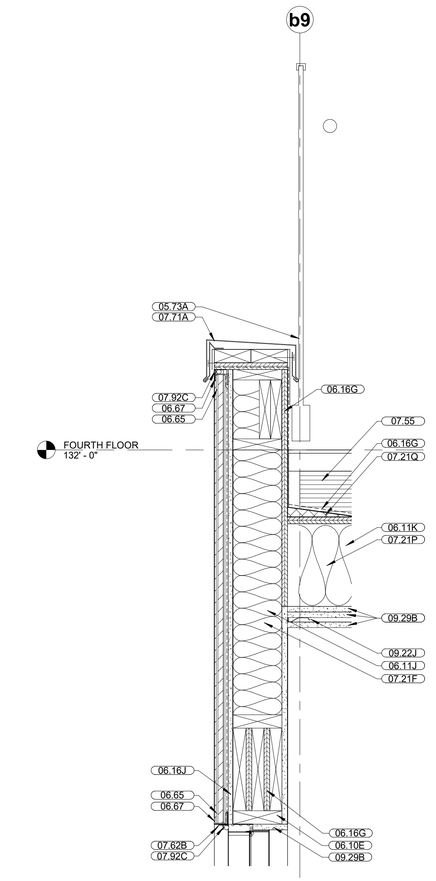




E1 PAVER SYSTEM @ COMMUNITY BALCONY
1 1/2" = 1'-0"



A4 PAVER SYSTEM @ BRICK PARAPET
1 1/2" = 1'-0"



A1 BALCONY @ COMMUNITY ROOM
1 1/2" = 1'-0"

GENERAL NOTES - WALL SECTIONS:

1. DIMENSIONS SHOWN ARE TO THE FACE OF EXTERIOR WALL, FACE OF MASONRY (FOM), FACE OF CONCRETE WALLS (FOC), AND COLUMN GRID LINES, UNLESS OTHERWISE NOTED OR INDICATED.
2. ALL WINDOW AND DOOR OPENING DIMENSIONS ARE ROUGH OPENINGS, UNLESS NOTED OTHERWISE.
3. EXTERIOR FERROUS METAL ITEMS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING SHALL BE GALVANIZED AND PAINTED, UNLESS OTHERWISE INDICATED:
   A. EXPOSED STEEL COLUMNS
   B. LOOSE LINTELS
   C. SHELF ANGLES
   D. STEEL ANGLE OR CHANNEL JAMBS
   E. LADDERS
   F. LADDER SAFETY CAGES
   G. HANDRAILS
   H. GUARDRAILS
   I. BOLLARDS
4. THE FRAMING OF THE EXTERIOR ENVELOPE SHALL BE DESIGNED BY THE CONTRACTOR'S DELEGATED DESIGN ENGINEER IN ACCORDANCE WITH PERFORMANCE REQUIREMENTS. INCLUDE ALL SUBSTRATE, ANCHORAGE, EMBED AND CONNECTIONS TO THE STRUCTURAL FRAME.
5. THESE SECTIONS DO NOT INDICATE ALL INSTANCES OF MASONRY OR PANEL PATTERNING. REFER TO EXTERIOR ELEVATIONS AND SECTION DETAILS.
6. ANY ROOF WORK NOT SPECIFICALLY DETAILED SHALL BE DESIGNED AND EXECUTED IN ACCORDANCE WITH THE APPROPRIATE NRCA MANUAL.
7. PROVIDE ROOFING MANUFACTURER'S STANDARD, WARRANTABLE ROOFING AND PENETRATION DETAILS UNLESS OTHERWISE DRAWN.
8. AT EXTERIOR WALLS, PROVIDE CONTINUOUS WATERSTOP OR LEDGE.
9. REFER TO STRUCTURAL DOCUMENTS FOR EXACT LOCATION AND TYPES OF STRUCTURAL MEMBERS FOR JOIST BEARING, TOP OF STEEL & BOTTOM OF DECK ELEVATIONS, AND FOR COMPLETE DETAILS OF ALL STRUCTURAL CONNECTIONS.
10. SOFFITS AND CONCEALED SPACES OUTSIDE THE THERMAL ENVELOPE SHALL BE VENTED.
11. ALL BATT INSULATION IN EXTERIOR WALLS SHALL BE UNFACED. WHERE STUD DEPTH EXCEEDS INSULATION THICKNESS, PLACE INSULATION AT EXTERIOR SIDE OF STUD.
12. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS, UNLESS NOTED OTHERWISE.
13. PROVIDE MOISTURE AND MOLD RESISTANT GYPSUM BOARD AT THE INTERIOR FACE OF ALL EXTERIOR WALLS.
14. AT HEALTHCARE AND HIGH HUMIDITY PROJECTS, PROVIDE FIBERGLASS MAT GYP SHEATHING ON INTERIOR FACE OF EXTERIOR WALLS.

MATERIAL KEYNOTES

04.21A	FACE BRICK - TYPE A
05.73A	DECORATIVE METAL/ GLASS RAILING
05.74	PRE-MANUFACTURED BALCONY AND RAILING RE: MANUFACTURER FOR INSTALLATION AND ATTACHMENTS
06.10E	WOOD BLOCKING, AS REQUIRED
06.11J	2 X WOOD FRAMING, REF WALL SCHEDULE AND STRUCTURAL DRAWINGS.
06.11K	2 X 10 WOOD FRAMING
06.16F	1/2-INCH PLYWOOD SHEATHING
06.16G	5/8-INCH PLYWOOD SHEATHING
06.16H	3/4-INCH PLYWOOD SHEATHING
06.16J	1/2-INCH ZIP SYSTEM WITH INTEGRATED AIR BARRIER
06.17B	SHOP-FABRICATED WOOD FLOOR TRUSS RE: STRUCT
06.65	WOOD COMPOSITE CLADDING - ALL WEATHER SHADOW LINE (BRAZILIAN IPE)
06.66	WOOD COMPOSITE CLADDING - EUROPEAN SIDING BELGIAN BOARD (EBONY)
06.67	WOOD COMPOSITE CLADDING TRIM RE: MANUFACTURER
07.14A	HOT FLUID-APPLIED RUBBERIZED ASPHALT WATERPROOFING
07.21F	6-INCH THERMAL BATT INSULATION (R-VALUE 19)
07.21O	BLOWN-IN INSULATION
07.21P	BATT INSULATION, REF WALL SCHEDULE
07.21Q	4" XPS INSULATION 60 PSI MIN
07.24B	EIFS EXTERIOR INSULATION AND FINISH SYSTEM
07.24D	DRAINAGE MAT
07.55	ROOF PAVER SYSTEM
07.62A	PREFINISHED SHEET METAL FLASHING
07.62B	PRE-FINISHED METAL SILL FLASHING W/ END DAMS
07.71A	PREFINISHED METAL COPING & CONT CLEAT
07.92A	JOINT SEALANT
07.92C	BACKER ROD AND SEALANT
08.54A	ALUMINUM FIBERGLASS WINDOW
09.22J	1/2-INCH RESILIENT FURRING CHANNEL
09.29B	INTERIOR 5/8-INCH TYPE X GYP BD RE: WALL TYPES

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LEE'S SUMMIT, MO 64081

REVISION DATES:

STATE OF MISSOURI
MICHAEL JOHN GOSLINGA
NUMBER A-2016000380
12.22.25
ARCHITECT

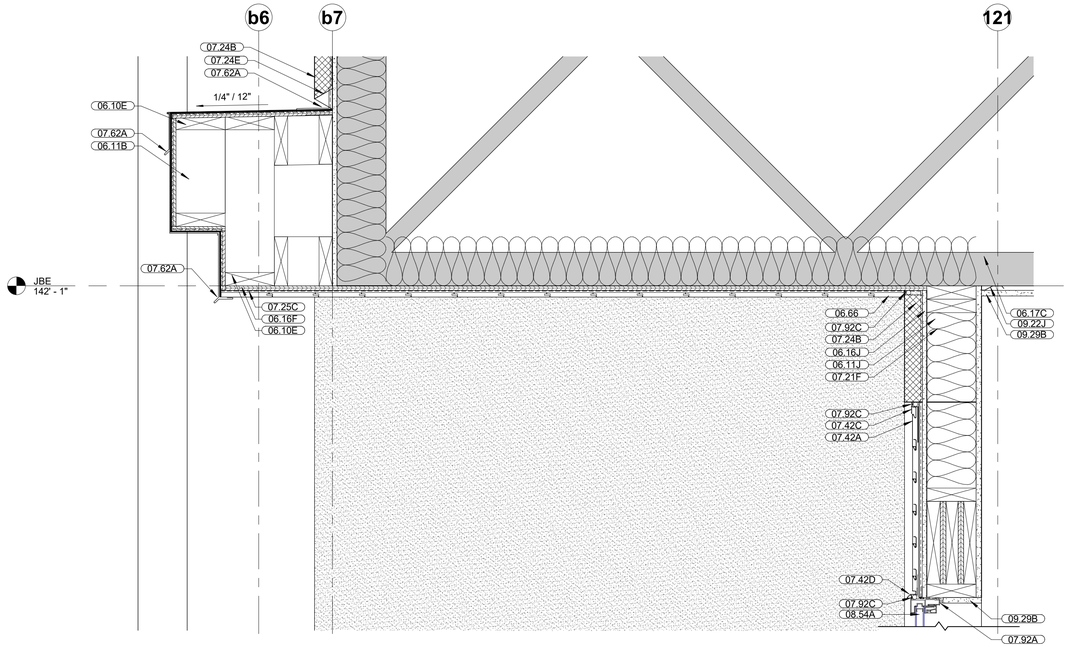
PROFESSIONAL SEAL

A-505

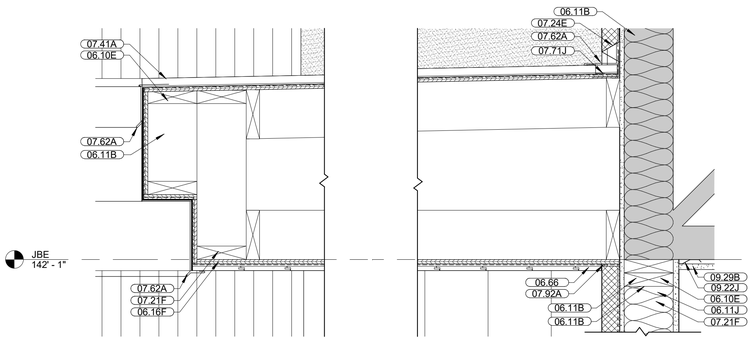
ISSUE DATE: DECEMBER 22, 2025

HOEFER WELKER #: 1259011

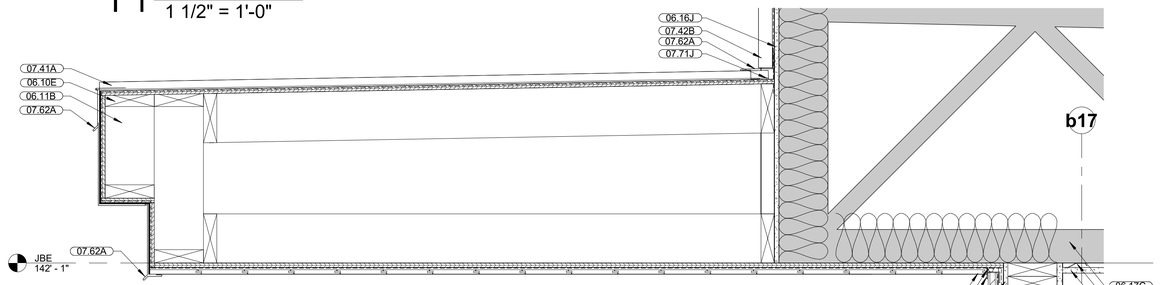
EXTERIOR SECTION DETAILS



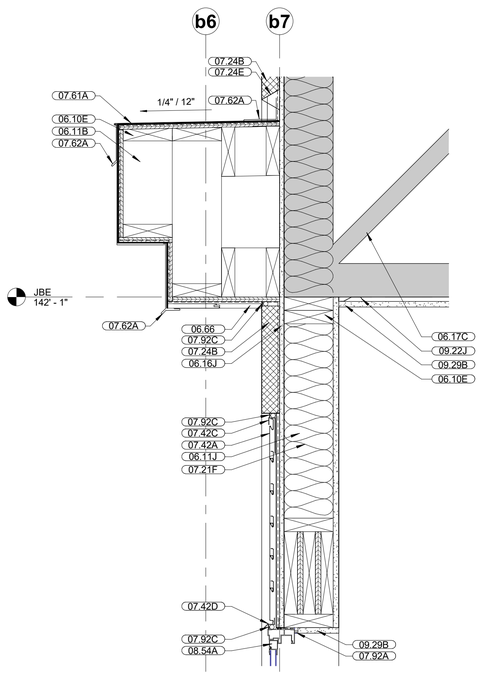
F1 CANOPY ROOF
1 1/2" = 1'-0"



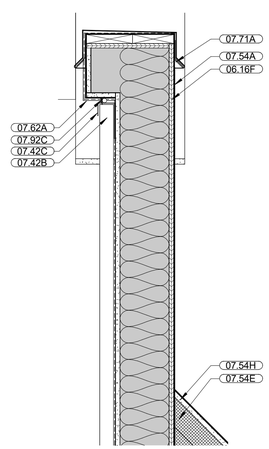
D7 CANOPY ROOF
1 1/2" = 1'-0"



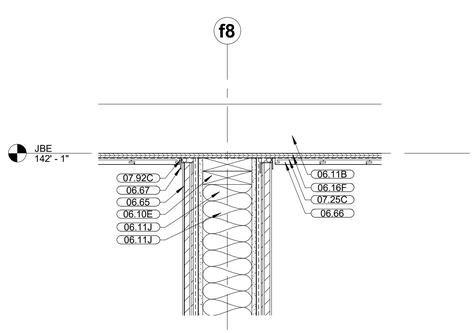
D1 CANPOY ROOF
1 1/2" = 1'-0"



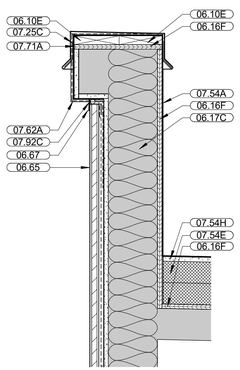
A9 CANOPY ROOF
1 1/2" = 1'-0"



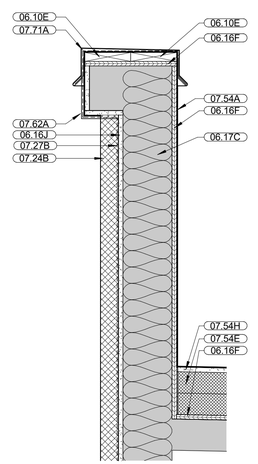
A7 PARAPET @ METAL PANEL
1 1/2" = 1'-0"



A5 HEADER @ BALCONY
1 1/2" = 1'-0"



A3 PARAPET @ WOOD CLADDING SYSTEM
1 1/2" = 1'-0"



A1 PARAPET @ EIFS
1 1/2" = 1'-0"

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   C. SHELF ANGLES
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MATERIAL KEYNOTES

06.10E	WOOD BLOCKING, AS REQUIRED
06.11B	2 X 6 WOOD FRAMING
06.11J	2 X WOOD FRAMING, REF WALL SCHEDULE AND STRUCTURAL DRAWINGS.
06.16F	1/2-INCH PLYWOOD SHEATHING
06.16J	1/2-INCH ZIP SYSTEM WITH INTEGRATED AIR BARRIER
06.17C	SHOP-FABRICATED WOOD ROOF TRUSS RE: STRUCT
06.65	WOOD COMPOSITE CLADDING - ALL WEATHER SHADOW LINE (BRAZILIAN IPE)
06.66	WOOD COMPOSITE CLADDING - EUROPEAN SIDING BELGIAN BOARD (EBONY)
06.67	WOOD COMPOSITE CLADDING TRIM RE: MANUFACTURER
07.21F	6-INCH THERMAL BATT INSULATION (R-VALUE 19)
07.24B	EIFS EXTERIOR INSULATION AND FINISH SYSTEM
07.24E	EIFS TRIM ACCESSORIES
07.25C	BUILDING WRAP - AIR BARRIER
07.27B	FLUID-APPLIED MEMBRANE AIR BARRIER AS REQUIRED BY EIFS MANUFACTURER
07.41A	STANDING-SEAM METAL ROOF PANELS
07.42A	THIN METAL PANEL SYSTEM SCREWED TO SOLID SHEATHING. RE: SPECS AND MANUFACTURER
07.42B	METAL PANEL SYSTEM SCREWED TO SOLID SHEATHING. RE: SPECS AND MANUFACTURER
07.42C	METAL PANEL SYSTEM HEAD TRIM RE: SPECS AND MANUFACTURER
07.42D	METAL PANEL SYSTEM SILL TRIM RE: SPECS AND MANUFACTURER
07.54A	THERMOPLASTIC POLYOLEFIN (TPO) ROOFING SYSTEM
07.54E	RIGID ROOF INSULATION (R-VALUE 30)
07.54H	ROOFING COVER BOARD
07.61A	SHEET METAL ROOFING
07.62A	PREFINISHED SHEET METAL FLASHING
07.71A	PREFINISHED METAL COPING & CONT CLEAT
07.71J	COUNTERFLASHING
07.92A	JOINT SEALANT
07.92C	BACKER ROD AND SEALANT
08.54A	ALUMINUM FIBERGLASS WINDOW
09.22J	1/2-INCH RESILIENT FURRING CHANNEL
09.29B	INTERIOR 5/8-INCH TYPE X GYP BD RE: WALL TYPES

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A-510

ISSUE DATE: DECEMBER 22, 2025

HOEFER WELKER #: 1259011

ROOF DETAILS

DOOR SCHEDULE

DOOR #	ROOM: NAME	WIDTH	HEIGHT	DOOR MATERIAL	DOOR TYPE	FRAME MATERIAL	FRAME TYPE	FIRE RATING	HARDWARE	HEAD	JAMB	REMARKS
C-101	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-101B	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
C-102	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-102B	CORR	3' - 9 3/4"	6' - 10 13/16"	AL	B1	AL	AL1	-	03			BONELLI SINGLE
C-102C	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
C-103	CORR	3' - 0"	7' - 0"	WD	GF	WD	F1	-	10			STAINED
C-104	CORR	3' - 0"	7' - 0"	WD	GF	WD	F1	-	10			STAINED
C-105	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			PAINTED
C-107	CORR	3' - 1 3/4"	6' - 10 13/16"	AL	B1	AL	AL1	-	03			BONELLI SGL
C-108	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-108B	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
C-109	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-201	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-202B	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
C-203	CORR	3' - 0"	7' - 0"	WD	GF	WD	F1	-	10			STAINED
C-203B	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
C-204	CO-WORK HALL	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			STAINED
C-205	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1		09			
C-207	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-208	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-208B	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
C-209	CORR	3' - 0"	7' - 0"	WD	GF	WD	F1	-	10			STAINED
C-302	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-302B	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
C-303B	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
C-305	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-306	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-307B	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
C-308	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-401	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-402B	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
C-403B	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
C-405	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-407	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
C-408B	CORR	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
C-409	CORR	6' - 0"	8' - 0"	HM	F2	HM	F1	180 MIN	09			
L-101	LOBBY	6' - 1 3/4"	7' - 10 13/16"	AL	B2	AL	AL1	-	01			
L-102	OFFICE	3' - 0"	8' - 0"	GL	F	WD	F1	-	26			STAINED
L-103	OFFICE	3' - 0"	8' - 0"	GL	F	WD	F1	-	26			STAINED
L-104	BREAK ROOM	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	13			PAINTED
L-105	LOUNGE / KITCHEN	6' - 1 3/4"	7' - 10 13/16"	AL	B2	AL	AL1	-	01			BONELLI DBL
L-106	GAME ROOM	3' - 0"	7' - 0"	WD	GF	WD	F1		14			STAINED
L-106A	GAME ROOM	4' - 0"	7' - 0"	WD	GF2	WD	F1	-	07			
L-106B	GAME ROOM	4' - 0"	7' - 0"	WD	GF2	WD	F1	-	07			
L-108	PRIMARY FITNESS	3' - 0"	7' - 0"	WD	GF	WD	F1	20 MIN	12			STAINED
L-108B	PRIMARY FITNESS	3' - 1 3/4"	7' - 10 13/16"	AL	B1	AL	AL1	-	03			BONELLI SGL
L-109	RR / CHANGE	3' - 0"	7' - 0"	WD	F	WD	F1	20 MIN	16			STAINED
L-110	RR / CHANGE	3' - 0"	7' - 0"	WD	F	WD	F1	20 MIN	16			STAINED
L-111	RR / CHANGE	3' - 0"	7' - 0"	WD	F	WD	F1	20 MIN	16			STAINED
L-112	CORR	3' - 0"	7' - 0"	WD	GF	WD	F1	-	15			STAINED
L-112B	FITNESS CORR	3' - 1 3/4"	7' - 10 13/16"	AL	B1	AL	AL1	-	03			BONELLI SGL
L-113	SPA	3' - 0"	7' - 0"	WD	GF	WD	WD	20 MIN	15			STAINED
L-114	SPA	3' - 0"	7' - 0"	GL	F	PER MANF.	PER MANF.	-	27			
L-115	THERAPY ROOM	3' - 0"	7' - 0"	WD	F	WD	F1	20 MIN	16			PAINTED
L-116	THERAPY ROOM	3' - 0"	7' - 0"	WD	F	WD	F1	20 MIN	16			PAINTED
L-140	MAILROOM	3' - 0"	7' - 0"	WD	GF	WD	F1	-	15			STAINED
L-140B	MAILROOM	3' - 1 3/4"	6' - 10 13/16"	AL	B1	AL	AL1	-	03			BONELLI SGL
L-141	PACKAGE ROOM	3' - 0"	7' - 0"	WD	GF	WD	F1	20 MIN	15			STAINED
L-145	PET SPA	3' - 0"	7' - 0"	WD	GF	WD	F1	-	15			STAINED
L-145B	PET SPA	3' - 1 3/4"	6' - 10 13/16"	AL	B1	AL	AL1	-	03			BONELLI SGL
L-206	UPPER LEVEL FITNESS	3' - 0"	7' - 0"	WD	GF	WD	F1	-	15			STAINED
L-206A	UPPER LEVEL FITNESS	3' - 0"	7' - 0"	WD	GF	WD	F1	-	14			STAINED
L-401	PATIO	3' - 1 3/4"	7' - 0 15/16"	AL	B1	AL	AL1	-	05			BONELLI SGL
L-401B	PATIO	3' - 1 3/4"	7' - 0 15/16"	AL	B1	AL	AL1	-	05			BONELLI SGL
L-402	RR	3' - 0"	7' - 0"	WD	F	WD	F1	20 MIN	16			STAINED
L-403	RR	3' - 0"	7' - 0"	WD	F	WD	F1	20 MIN	16			STAINED
L-431	COMMUNITY LOUNGE	3' - 0"	7' - 0"	WD	GF	WD	F1	20 MIN	11			STAINED
L-431B	COMMUNITY LOUNGE	3' - 0"	7' - 0"	WD	GF	WD	F1	20 MIN	11			STAINED
M-101	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	14			
M-102	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			
M-103	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			
M-104	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	14			
M-201	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	14			
M-202	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			
M-203	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			
M-204	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	14			
M-205	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			
M-301	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	14			
M-302	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			
M-303	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			
M-304	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	14			
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M-403	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			
M-404	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	14			
M-405	MECH.	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			PAINTED
M-406	MECH.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			

DOOR SCHEDULE

DOOR #	ROOM: NAME	WIDTH	HEIGHT	DOOR MATERIAL	DOOR TYPE	FRAME MATERIAL	FRAME TYPE	FIRE RATING	HARDWARE	HEAD	JAMB	REMARKS
P-101	POOL EQUIPMENT ROOM	3' - 0"	7' - 0"	HM	F	HM	F1	-	04			PAINTED
P-102	CHEMICAL CLOSET	2' - 4"	7' - 0"	HM	F	HM	F1	-	06			PAINTED
P-103	CHEMICAL CLOSET	2' - 4"	7' - 0"	HM	F	HM	F1	-	06			PAINTED
S-135	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-201	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-202	FOCUS	3' - 0"	7' - 0"	WD	GF	WD	F1	20 MIN	15			STAINED
S-203	FOCUS	3' - 0"	7' - 0"	WD	GF	WD	F1	20 MIN	15			STAINED
S-204	MEDIA	3' - 0"	7' - 0"	WD	GF	WD	F1	20 MIN	15			STAINED
S-204A	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-204B	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-204C	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-204D	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-206A	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	14			
S-206B	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-207	GOLF SIMULATOR	3' - 0"	7' - 0"	WD	GF	WD	F1	20 MIN	15			STAINED
S-237	FOCUS	3' - 0"	7' - 0"	WD	GF	WD	F1	20 MIN	15			STAINED
S-242	CONF. ROOM	3' - 0"	7' - 0"	WD	GF	WD	F1	20 MIN	15			STAINED
S-243	RESTROOM	3' - 0"	7' - 0"	WD	F	WD	F1	20 MIN	16			STAINED
S-301	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-304A	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-304B	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-304C	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-304D	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-306A	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-306B	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-401	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-404A	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-404B	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-404C	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-404D	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
S-406A	STORAGE	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	15			
ST-101A	STAIR A	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-101B	STAIR A	3' - 1 3/4"	6' - 10 13/16"	AL	B1	AL	AL1	-	03			BONELLI SGL
ST-102A	STAIR B	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-102B	STAIR B	3' - 1 3/4"	6' - 10 13/16"	AL	B1	AL	AL1	-	03			
ST-103A	STAIR C	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-103B	STAIR C	3' - 1 3/4"	7' - 10 13/16"	AL	B1	AL	AL1	-	03			BONELLI SGL
ST-104A	STAIR D	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			STAINED
ST-104B	STAIR D	3' - 1 3/4"	7' - 10 13/16"	AL	B1	AL	AL1	-	03			BONELLI SGL
ST-105A	STAIR E	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			STAINED
ST-105B	STAIR E	3' - 1 3/4"	6' - 10 13/16"	AL	B1	AL	AL1	-	03			BONELLI SGL
ST-106A	STAIR F	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-106B	STAIR F	3' - 1 3/4"	6' - 10 13/16"	AL	B1	AL	AL1	-	03			BONELLI SGL
ST-107A	STAIR G	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			STAINED
ST-107B	STAIR G	3' - 1 3/4"	6' - 10 13/16"	AL	B1	AL	AL1	-	03			BONELLI SGL
ST-201	STAIR A	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-202	STAIR B	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-203	STAIR C	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-204	STAIR D	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-205	STAIR E	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-206	STAIR F	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-207	STAIR G	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-301	STAIR A	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-302	STAIR B	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-303	STAIR C	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-304	STAIR D	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-305	STAIR E	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-306	STAIR F	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-307	STAIR G	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-401	STAIR A	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-402	STAIR B	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-403	STAIR C	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-404	STAIR D	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-405	STAIR E	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-406	STAIR F	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
ST-407	STAIR G	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	08			
TR-101	TRASH ROOM	8' - 0"	7' - 0"	ST	CD1	PER MANF.	PER MANF.					
TR-101A	TRASH ROOM	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	17			
TR-101B	TRASH ROOM	3' - 0"	7' - 0"	HM	F	HM	F1	-	04			
TR-168	TRASH ROOM	8' - 0"	7' - 0"	ST	CD1	PER MANF.	PER MANF.					
TR-168A	TRASH ROOM	3' - 0"	7' - 0"	WD	F	HM	F1	90 MIN	17			
TR-168B	TRASH ROOM	3' - 0"	7' - 0"	HM	F	HM	F1	-	04			
TR-200	TRASH ROOM	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
TR-205	TRASH ROOM	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
TR-300	TRASH ROOM	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
TR-355	TRASH ROOM	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
TR-404	TRASH ROOM	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
TR-456	TRASH ROOM	3' - 0"	7' - 0"	WD	F	HM	F1	20 MIN	17			
U-101A	ELECT.	3' - 0"	7' - 0"	HM	F	HM	F1	-	02			
U-101B	ELECT.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			
U-164	ELECT.	3' - 0"	7' - 0"	HM	F	HM	F1	-	02			
U-164B	ELECT.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			
U-167A	ELECT.	3' - 0"	7' - 0"	HM	F	HM	F1	-	02			
U-167B	ELECT.	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			
WR-101	WATER ROOM	3' - 0"	7' - 0"	HM	F	HM	F1	-	04			
WR-101B	WATER ROOM	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	15			
WR-162	WATER ROOM	3' - 0"	7' - 0"	HM	F	HM	F1	-	04			
WR-162B	WATER ROOM	3' - 0"	7' - 0"	HM	F	HM	F1	20 MIN	14			

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LEE'S SUMMIT, MO 64081

REVISION DATES:

STATE OF MISSOURI
MICHAEL JOHN GOSLINGA
NUMBER A-2016000380
12.22.25
ARCHITECT

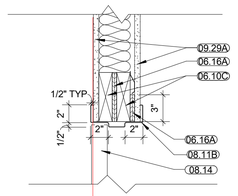
PROFESSIONAL SEAL

A-602

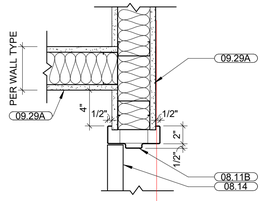
ISSUE DATE: DECEMBER 22, 2025

HOEFER WELKER #: 1259011

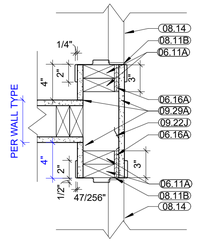
DOOR SCHEDULE



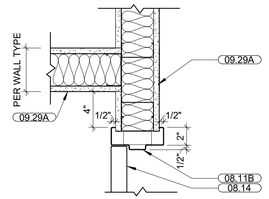
G9 HM DOOR HEAD TYP.
1 1/2" = 1'-0"



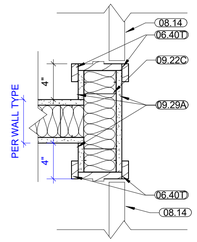
C6 HM DOOR JAMB - METAL WALL TYP.
1 1/2" = 1'-0"



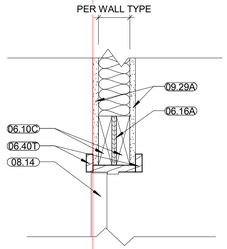
F9 DOUBLE HM DOOR JAMB TYP.
1 1/2" = 1'-0"



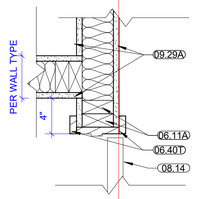
2 HM DOOR JAMB TYP.
1 1/2" = 1'-0"



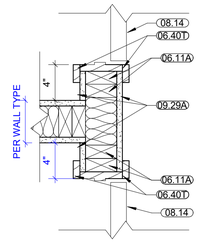
A9 DOUBLE WOOD DOOR JAMB - TYP.
1 1/2" = 1'-0"



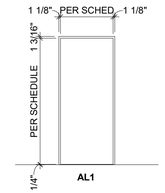
G6 WOOD DOOR HEAD TYP.
1 1/2" = 1'-0"



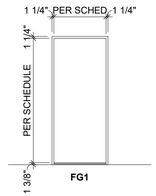
G4 WOOD DOOR JAMB TYP.
1 1/2" = 1'-0"



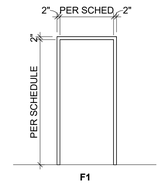
F6 DOUBLE WOOD DOOR JAMB TYP.
1 1/2" = 1'-0"



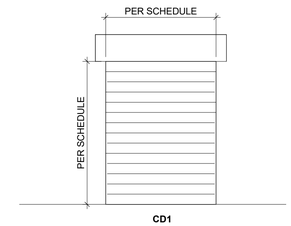
ALUMINUM FRAME TYPES
1/4" = 1'-0"

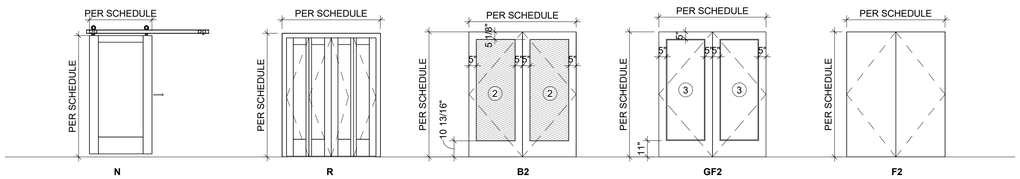


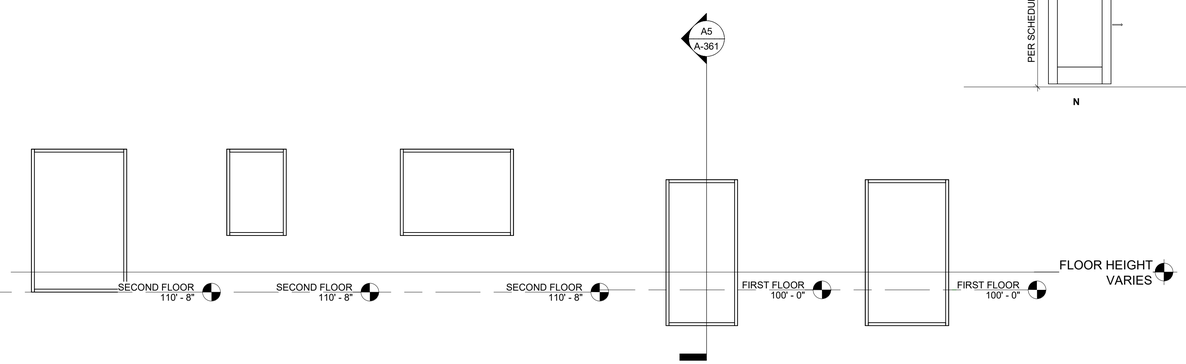
FIBERGLASS FRAME TYPES
1/4" = 1'-0"

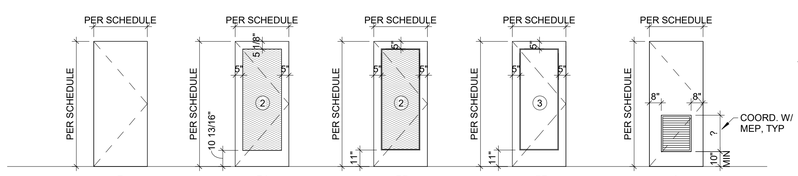


HM FRAME TYPES
1/4" = 1'-0"









DOOR TYPES
1/4" = 1'-0"

GLASS TYPE LEGEND	
DESIGNATION NUMBER	DESCRIPTION
1	PELLA GLASS - IMPERVIA 11/16" DUAL-PANE ADVANCED LOW-E WITH ARGON
2	EXTERIOR -1/2" CLEAR GLASS TEMPERED
3	-1/2" CLEAR GLASS TEMPERED

GUARDIAN GLASS - SUNGUARD
-1" INSULATED VISION GLASS - SNX 62/27 ON CLEAR
-1/4" SNX 62/27 ON CLEAR TEMPERED #2
-1/2" AIR SPACE
-1/4" CLEAR TEMPERED

MATERIAL KEYNOTES	
06.10C	FIRE-RETARDENT-TREATED WOOD BLOCKING, CONTINUOUS
06.11A	2 X 4 WOOD FRAMING
06.16A	1/2-INCH FIRE-RETARDANT-TREATED PLYWOOD SHEATHING
06.40T	KEYBOARD TRAY
08.11B	HOLLOW METAL FRAME
08.14	WOOD DOOR
09.22C	3 5/8-INCH METAL STUDS @ 16-INCHES O.C.
09.22J	1/2-INCH RESILIENT FURRING CHANNEL
09.29A	INTERIOR 5/8-INCH GYP BD REF: WALL TYPES

HOEFER WELKER NOTES:
1. REVIEW AND ADJUST ALL ITEMS IN RED (RESET "OVERRIDE GRAPHICS IN VIEW" "BY ELEMENT" WHEN COMPLETE)
2. REMOVE ALL ITEMS NOT USED ON SHEET
3. MODIFY GLASS SIZE AS NEEDED
4. ADD ALL GLASS TYPES/ ADJUST GLASS TYPE LEGED (TYP)
5. DELETE ALL "HOEFER WELKER NOTES" LEGENDS PER SHEET - WHEN COMPLETED.

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LEE'S SUMMIT, MO 64081

REVISION DATES:

STATE OF MISSOURI
MICHAEL JOHN GOSLINGA
NUMBER A-2016000380
ARCHITECT
12.22.25

PROFESSIONAL SEAL

A-611

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

INTERIOR DOOR TYPES WINDOWS AND DETAILS

DOOR SCHEDULE - UNIT DOORS

DOOR #	Level
101	FIRST FLOOR
102	FIRST FLOOR
103	FIRST FLOOR
104	FIRST FLOOR
105	FIRST FLOOR
106	FIRST FLOOR
107	FIRST FLOOR
108	FIRST FLOOR
109	FIRST FLOOR
110	FIRST FLOOR
111	FIRST FLOOR
112	FIRST FLOOR
113	FIRST FLOOR
114	FIRST FLOOR
115	FIRST FLOOR
116	FIRST FLOOR
117	FIRST FLOOR
118	FIRST FLOOR
119	FIRST FLOOR
120	FIRST FLOOR
121	FIRST FLOOR
122	FIRST FLOOR
123	FIRST FLOOR
124	FIRST FLOOR
125	FIRST FLOOR
126	FIRST FLOOR
127	FIRST FLOOR
128	FIRST FLOOR
129	FIRST FLOOR
130	FIRST FLOOR
131	FIRST FLOOR
132	FIRST FLOOR
133	FIRST FLOOR
134	FIRST FLOOR
135	FIRST FLOOR
136	FIRST FLOOR
137	FIRST FLOOR
138	FIRST FLOOR
139	FIRST FLOOR
140	FIRST FLOOR
141	FIRST FLOOR
142	FIRST FLOOR
143	FIRST FLOOR
144	FIRST FLOOR
145	FIRST FLOOR
146	FIRST FLOOR
147	FIRST FLOOR
148	FIRST FLOOR
149	FIRST FLOOR
150	FIRST FLOOR
151	FIRST FLOOR
152	FIRST FLOOR
153	FIRST FLOOR
154	FIRST FLOOR
155	FIRST FLOOR
156	FIRST FLOOR
157	FIRST FLOOR
158	FIRST FLOOR
159	FIRST FLOOR
160	FIRST FLOOR
161	FIRST FLOOR
162	FIRST FLOOR
163	FIRST FLOOR
164	FIRST FLOOR
165	FIRST FLOOR
166	FIRST FLOOR
167	FIRST FLOOR
168	FIRST FLOOR
169	FIRST FLOOR
201	SECOND FLOOR
202	SECOND FLOOR
203	SECOND FLOOR
204	SECOND FLOOR
205	SECOND FLOOR
206	SECOND FLOOR
207	SECOND FLOOR
208	SECOND FLOOR
209	SECOND FLOOR
210	SECOND FLOOR
211	SECOND FLOOR
212	SECOND FLOOR
213	SECOND FLOOR
214	SECOND FLOOR
215	SECOND FLOOR
216	SECOND FLOOR
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218	SECOND FLOOR
219	SECOND FLOOR
220	SECOND FLOOR
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232	SECOND FLOOR
233	SECOND FLOOR
234	SECOND FLOOR
235	SECOND FLOOR
236	SECOND FLOOR
237	SECOND FLOOR
238	SECOND FLOOR
239	SECOND FLOOR
240	SECOND FLOOR
241	SECOND FLOOR
242	SECOND FLOOR
243	SECOND FLOOR
244	SECOND FLOOR
245	SECOND FLOOR
246	SECOND FLOOR
247	SECOND FLOOR
248	SECOND FLOOR
249	SECOND FLOOR

DOOR SCHEDULE - UNIT DOORS

DOOR #	Level
250	SECOND FLOOR
251	SECOND FLOOR
252	SECOND FLOOR
253	SECOND FLOOR
254	SECOND FLOOR
255	SECOND FLOOR
256	SECOND FLOOR
257	SECOND FLOOR
258	SECOND FLOOR
259	SECOND FLOOR
260	SECOND FLOOR
261	SECOND FLOOR
262	SECOND FLOOR
263	SECOND FLOOR
264	SECOND FLOOR
265	SECOND FLOOR
266	SECOND FLOOR
267	SECOND FLOOR
268	SECOND FLOOR
269	SECOND FLOOR
270	SECOND FLOOR
271	SECOND FLOOR
272	SECOND FLOOR
273	SECOND FLOOR
274	SECOND FLOOR
275	SECOND FLOOR
301	THIRD FLOOR
302	THIRD FLOOR
303	THIRD FLOOR
304	THIRD FLOOR
305	THIRD FLOOR
306	THIRD FLOOR
307	THIRD FLOOR
308	THIRD FLOOR
309	THIRD FLOOR
310	THIRD FLOOR
311	THIRD FLOOR
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313	THIRD FLOOR
314	THIRD FLOOR
315	THIRD FLOOR
316	THIRD FLOOR
317	THIRD FLOOR
318	THIRD FLOOR
319	THIRD FLOOR
320	THIRD FLOOR
321	THIRD FLOOR
322	THIRD FLOOR
323	THIRD FLOOR
324	THIRD FLOOR
325	THIRD FLOOR
326	THIRD FLOOR
327	THIRD FLOOR
328	THIRD FLOOR
329	THIRD FLOOR
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379	THIRD FLOOR
401	FOURTH FLOOR
402	FOURTH FLOOR
403	FOURTH FLOOR
404	FOURTH FLOOR
405	FOURTH FLOOR
406	FOURTH FLOOR
407	FOURTH FLOOR
408	FOURTH FLOOR
409	FOURTH FLOOR
410	FOURTH FLOOR
411	FOURTH FLOOR
412	FOURTH FLOOR
413	FOURTH FLOOR
414	FOURTH FLOOR

DOOR SCHEDULE - UNIT DOORS

DOOR #	Level
415	FOURTH FLOOR
416	FOURTH FLOOR
417	FOURTH FLOOR
418	FOURTH FLOOR
419	FOURTH FLOOR
420	FOURTH FLOOR
421	FOURTH FLOOR
422	FOURTH FLOOR
423	FOURTH FLOOR
424	FOURTH FLOOR
425	FOURTH FLOOR
426	FOURTH FLOOR
427	FOURTH FLOOR
428	FOURTH FLOOR
429	FOURTH FLOOR
430	FOURTH FLOOR
432	FOURTH FLOOR
434	FOURTH FLOOR
435	FOURTH FLOOR
436	FOURTH FLOOR
437	FOURTH FLOOR
438	FOURTH FLOOR
439	FOURTH FLOOR
441	FOURTH FLOOR
442	FOURTH FLOOR
443	FOURTH FLOOR
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467	FOURTH FLOOR
468	FOURTH FLOOR
469	FOURTH FLOOR
470	FOURTH FLOOR
471	FOURTH FLOOR
472	FOURTH FLOOR
473	FOURTH FLOOR
474	FOURTH FLOOR
475	FOURTH FLOOR
476	FOURTH FLOOR
477	FOURTH FLOOR
478	FOURTH FLOOR
479	FOURTH FLOOR

UNIT DOOR SCHEDULE

Type Mark	WIDTH	HEIGHT	DOOR MATERIAL	DOOR TYPE	FRAME MATERIAL	FRAME TYPE	HARDWARE	FIRE RATING	HEAD	JAMB	REMARKS
A	3' - 0"	7' - 0"	WD	F	WD	F1	18	20 MINS			
B1	3' - 0"	7' - 0"	WD	F	WD	F1	19	-			
B2	2' - 10"	7' - 0"	WD	F	WD	F1	19	-			
B3	2' - 6"	7' - 0"	WD	F	WD	F1	19	-			
C1	3' - 0"	7' - 0"	WD	F	WD	F1	20	-			
C2	2' - 10"	7' - 0"	WD	F	WD	F1	20	-			
C3	2' - 6"	7' - 0"	WD	F	WD	F1	20	-			
C4	2' - 4"	7' - 0"	WD	F	WD	F1	20	-			
D1	2' - 4"	7' - 0"	WD	F	WD	F1	21	-			
F1	5' - 6"	7' - 0"	WD	F2	WD	F1	22	-			
F2	4' - 0"	7' - 0"	WD	F2	WD	F1	22	-			
G1	3' - 0"	7' - 0"	FG	FG	FG	FG1	24	-			
N	5' - 6"	6' - 8"	WD	N	AL	-	25	-			
R	5' - 0"	7' - 0"	WD	R	WD	F1	23	-			

GLASS TYPE LEGEND	
DESIGNATION NUMBER	DESCRIPTION
1	PELLA GLASS - IMPERVIA 11/16" DUAL-PANE ADVANCED LOW-E WITH ARGON
2	EXTERIOR -1/2" CLEAR GLASS TEMPERED
3	-1/2" CLEAR GLASS TEMPERED

GUARDIAN GLASS - SUNGUARD
-1" INSULATED VISION GLASS - SNX 62/27 ON CLEAR
-1/4" SNX 62/27 ON CLEAR TEMPERED #2
-1/2" AIR SPACE
-1/4" CLEAR TEMPERED

MATERIAL KEYNOTES

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REVISION DATES:

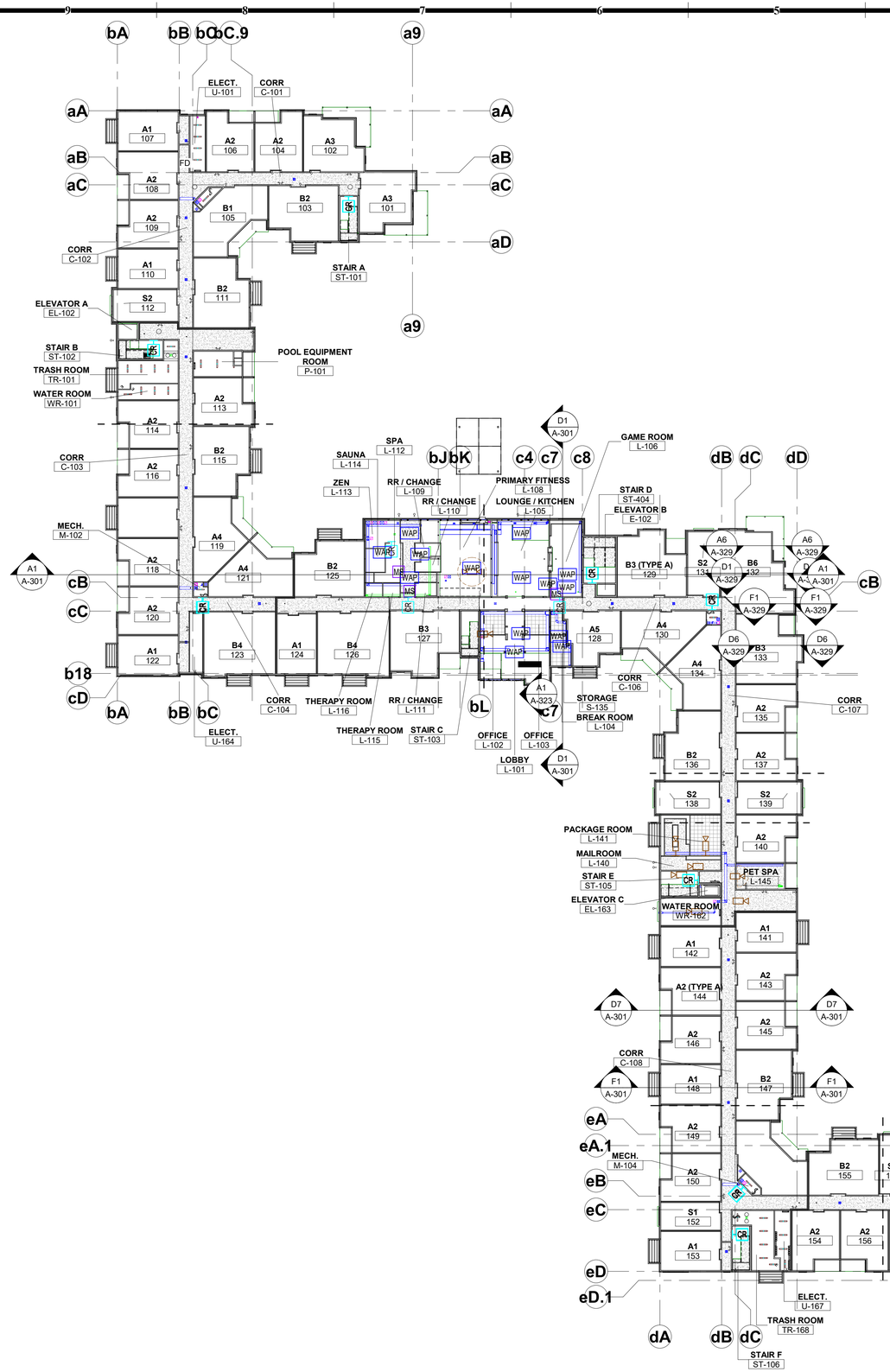
STATE OF MISSOURI
MICHAEL JOHN GOSLINGA
NUMBER A-2016000380
ARCHITECT

PROFESSIONAL SEAL

A-611.1

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

WOOD DOOR AND FRAME TYPES AND DETAILS



NORTH

A1 OVERALL FIRST FLOOR RCP
1/32" = 1'-0"

REFLECTED CEILING PLAN SYMBOLS:

- 9'-0" — CEILING HEIGHT
- GYP. BD.
- SUSP. CEILING SYSTEM
- SUPPLY AIR UP
- SUPPLY AIR DOWN
- RETURN / EXHAUST AIR UP
- RETURN / EXHAUST AIR DOWN
- LIGHT FIXTURE
- CRITICAL LIGHT FIXTURE
- LIFE SAFETY LIGHT FIXTURE WITH EMERGENCY BATTERY
- FLUORESCENT STRIP FIXTURE
- COVE LIGHTING
- TRACK LIGHTING
- PENDANT FIXTURE
- CAN LIGHT
- FIRE EXIT SIGN
- SPRINKLER HEAD
- SPEAKER
- CONTROL JOINT IN GYP BD CEILING
- 2'X4' LAY-IN CEILING
- 2'X2' LAY-IN CEILING
- 1 HOUR RATED LID UL 415
- 2 HOUR RATED LID UL 415
- SECURITY CEILING
- OPEN TO STRUCTURE
- WOOD VENEER
- T & G WOOD VENEER
- EXTERIOR STUCCO SOFFIT
- EXTERIOR METAL PANEL SOFFIT

GENERAL NOTES - REFLECTED CEILING PLANS:

1. DIMENSIONS SHOWN ON THE REFLECTED CEILING PLANS ARE TO THE FACE OF GYP. BOARD (FOG), AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.
2. ALL CEILINGS TO BE X'-X" AFF, UNLESS NOTED OTHERWISE.
3. ALL CEILING HEIGHTS AS SHOWN ON PLANS AND DETAILS ARE FROM FINISHED FLOOR TO FINISH CEILING.
4. OCCUPIABLE SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING NOT LESS THAN 7'-6" AFF.
5. BATHROOMS, TOILET ROOMS, KITCHENS, STORAGE ROOMS AND LAUNDRY ROOMS SHALL HAVE CEILING HEIGHT OF NOT LESS THAN 7'-0" AFF.
6. AT ALL GYPSUM SOFFITS: EXTEND GYP BD 6" ABOVE ADJACENT CEILING UNLESS NOTED OTHERWISE.
7. REFERENCE ENLARGED CEILING PLANS AND CEILING DETAILS FOR ADDITIONAL CONDITIONS AND CEILING HEIGHT INFORMATION.
8. SEE ALSO FINISH LEGEND AND FINISH PLANS FOR ROOM CEILING FINISHES.
9. AT ACOUSTICAL TILE CEILINGS, CENTER TILE/GRID WITHIN THE ROOM, UNLESS NOTED OTHERWISE.
10. AT ACOUSTICAL TILE CEILINGS,CENTER LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, OTHER CEILING MOUNTED ITEMS IN THE CEILING TILE, UNLESS NOTED OTHERWISE.
11. REFERENCE INTERIOR ELEVATIONS AND VERTICAL CIRCULATION DRAWINGS FOR LOCATION OF WALL MOUNTED LIGHT FIXTURES.
12. COORDINATE ALL PENDANT MOUNTED LIGHT FIXTURES IN MECHANICAL AND ELECTRICAL ROOMS WITH EXPOSED STRUCTURE.
13. COORDINATE ALL CEILING MOUNTED EQUIPMENT WITH FURNITURE AND CASEWORK BELOW.
14. WHERE THERE IS A CONFLICT BETWEEN ANY ABOVE CEILING EQUIPMENT AND THE INDICATED CEILING HEIGHT, CONTACT THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
15. REFER TO INTERIOR ELEVATIONS FOR PENDANT LIGHT FIXTURE HEIGHTS. COORDINATE PENDANT FIXTURE MOUNTING HEIGHT WITH DOOR SWINGS.
16. PROVIDE SUPPLEMENTAL FRAMING & ATTACHMENTS TO STRUCTURE TO SUPPORT THE CEILING SYSTEM, LIGHT FIXTURES, DUCTS, DIFFUSERS, SPRINKLER PIPING AND OTHER ABOVE CEILING MEP EQUIPMENT.
17. CEILING MOUNTED EXIT SIGNS AND SMOKE DETECTORS SHALL BE LOCATED AS REQUIRED BY THE AHJ.

TYPE A UNIT

MATERIAL KEYNOTES

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REVISION DATES:

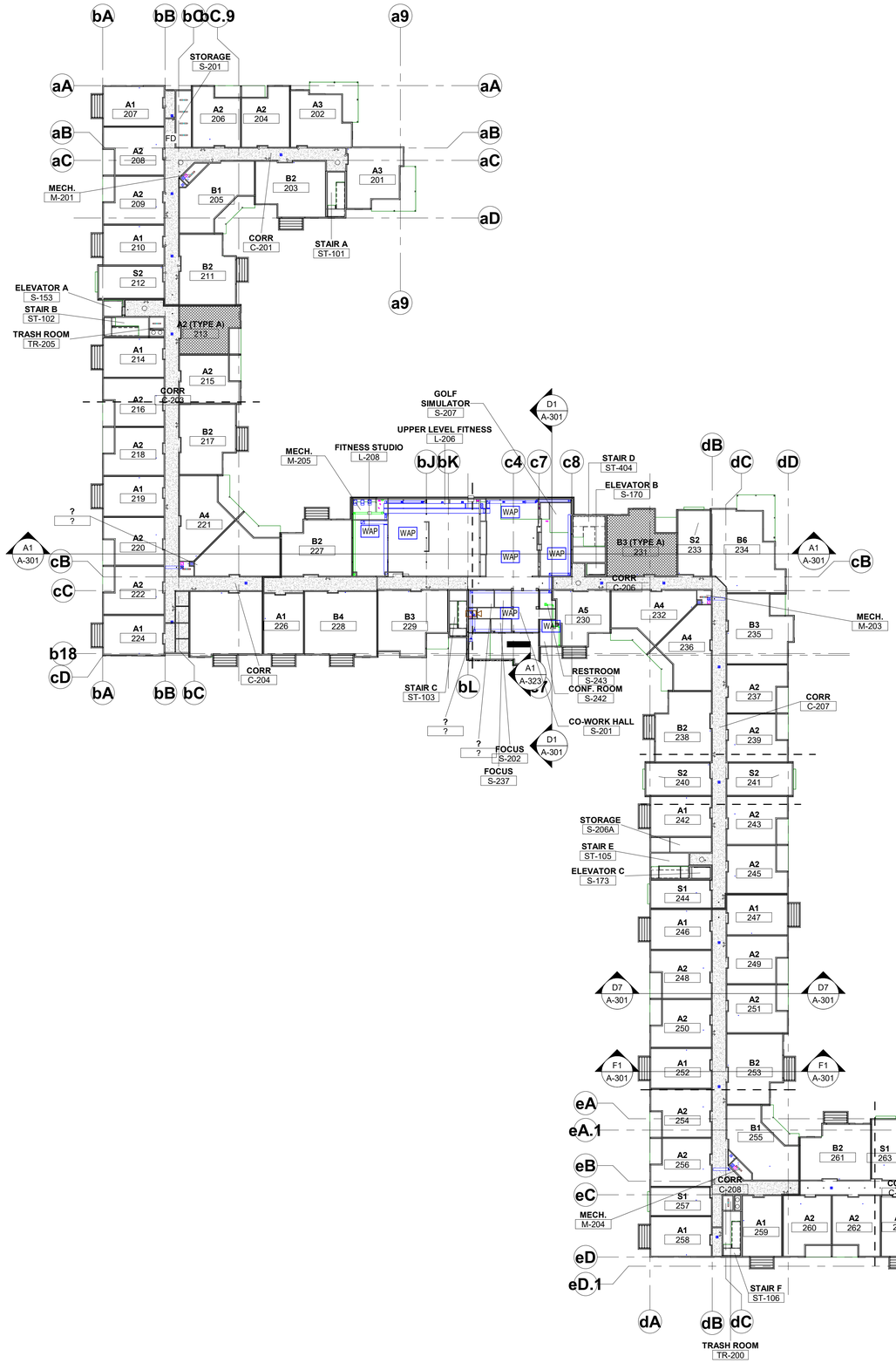
STATE OF MISSOURI
MICHAEL JOHN GOSLINGA
NUMBER A-2016000380
12.22.25
ARCHITECT

PROFESSIONAL SEAL

AC101

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

FIRST FLOOR - OVERALL RCP



NORTH

A1 OVERALL SECOND FLOOR RCP
1/32" = 1'-0"

REFLECTED CEILING PLAN SYMBOLS:

- 9'-0" — CEILING HEIGHT
- GYP. BD.
- SUSP. CEILING SYSTEM
- SUPPLY AIR UP
- SUPPLY AIR DOWN
- RETURN / EXHAUST AIR UP
- RETURN / EXHAUST AIR DOWN
- LIGHT FIXTURE
- CRITICAL LIGHT FIXTURE
- LIFE SAFETY LIGHT FIXTURE WITH EMERGENCY BATTERY
- FLUORESCENT STRIP FIXTURE
- COVE LIGHTING
- TRACK LIGHTING
- PENDANT FIXTURE
- CAN LIGHT
- FIRE EXIT SIGN
- SPRINKLER HEAD
- SPEAKER
- CONTROL JOINT IN GYP BD CEILING
- 2'X4' LAY-IN CEILING
- 2'X2' LAY-IN CEILING
- 1 HOUR RATED LID UL 415
- 2 HOUR RATED LID UL 415
- SECURITY CEILING
- OPEN TO STRUCTURE
- WOOD VENEER
- T & G WOOD VENEER
- EXTERIOR STUCCO SOFFIT
- EXTERIOR METAL PANEL SOFFIT

GENERAL NOTES - REFLECTED CEILING PLANS:

1. DIMENSIONS SHOWN ON THE REFLECTED CEILING PLANS ARE TO THE FACE OF GYP. BOARD (FOG), AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.
2. ALL CEILINGS TO BE X'-X" AFF, UNLESS NOTED OTHERWISE.
3. ALL CEILING HEIGHTS AS SHOWN ON PLANS AND DETAILS ARE FROM FINISHED FLOOR TO FINISH CEILING.
4. OCCUPIABLE SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING NOT LESS THAN 7'-6" AFF.
5. BATHROOMS, TOILET ROOMS, KITCHENS, STORAGE ROOMS AND LAUNDRY ROOMS SHALL HAVE CEILING HEIGHT OF NOT LESS THAN 7'-0" AFF.
6. AT ALL GYPSUM SOFFITS: EXTEND GYP BD 6" ABOVE ADJACENT CEILING UNLESS NOTED OTHERWISE.
7. REFERENCE ENLARGED CEILING PLANS AND CEILING DETAILS FOR ADDITIONAL CONDITIONS AND CEILING HEIGHT INFORMATION.
8. SEE ALSO FINISH LEGEND AND FINISH PLANS FOR ROOM CEILING FINISHES.
9. AT ACOUSTICAL TILE CEILINGS, CENTER TILE/GRID WITHIN THE ROOM, UNLESS NOTED OTHERWISE.
10. AT ACOUSTICAL TILE CEILINGS,CENTER LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, OTHER CEILING MOUNTED ITEMS IN THE CEILING TILE, UNLESS NOTED OTHERWISE.
11. REFERENCE INTERIOR ELEVATIONS AND VERTICAL CIRCULATION DRAWINGS FOR LOCATION OF WALL MOUNTED LIGHT FIXTURES.
12. COORDINATE ALL PENDANT MOUNTED LIGHT FIXTURES IN MECHANICAL AND ELECTRICAL ROOMS WITH EXPOSED STRUCTURE.
13. COORDINATE ALL CEILING MOUNTED EQUIPMENT WITH FURNITURE AND CASEWORK BELOW.
14. WHERE THERE IS A CONFLICT BETWEEN ANY ABOVE CEILING EQUIPMENT AND THE INDICATED CEILING HEIGHT, CONTACT THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
15. REFER TO INTERIOR ELEVATIONS FOR PENDANT LIGHT FIXTURE HEIGHTS. COORDINATE PENDANT FIXTURE MOUNTING HEIGHT WITH DOOR SWINGS.
16. PROVIDE SUPPLEMENTAL FRAMING & ATTACHMENTS TO STRUCTURE TO SUPPORT THE CEILING SYSTEM, LIGHT FIXTURES, DUCTS, DIFFUSERS, SPRINKLER PIPING AND OTHER ABOVE CEILING MEP EQUIPMENT.
17. CEILING MOUNTED EXIT SIGNS AND SMOKE DETECTORS SHALL BE LOCATED AS REQUIRED BY THE AHJ.

TYPE A UNIT

MATERIAL KEYNOTES

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REVISION DATES:

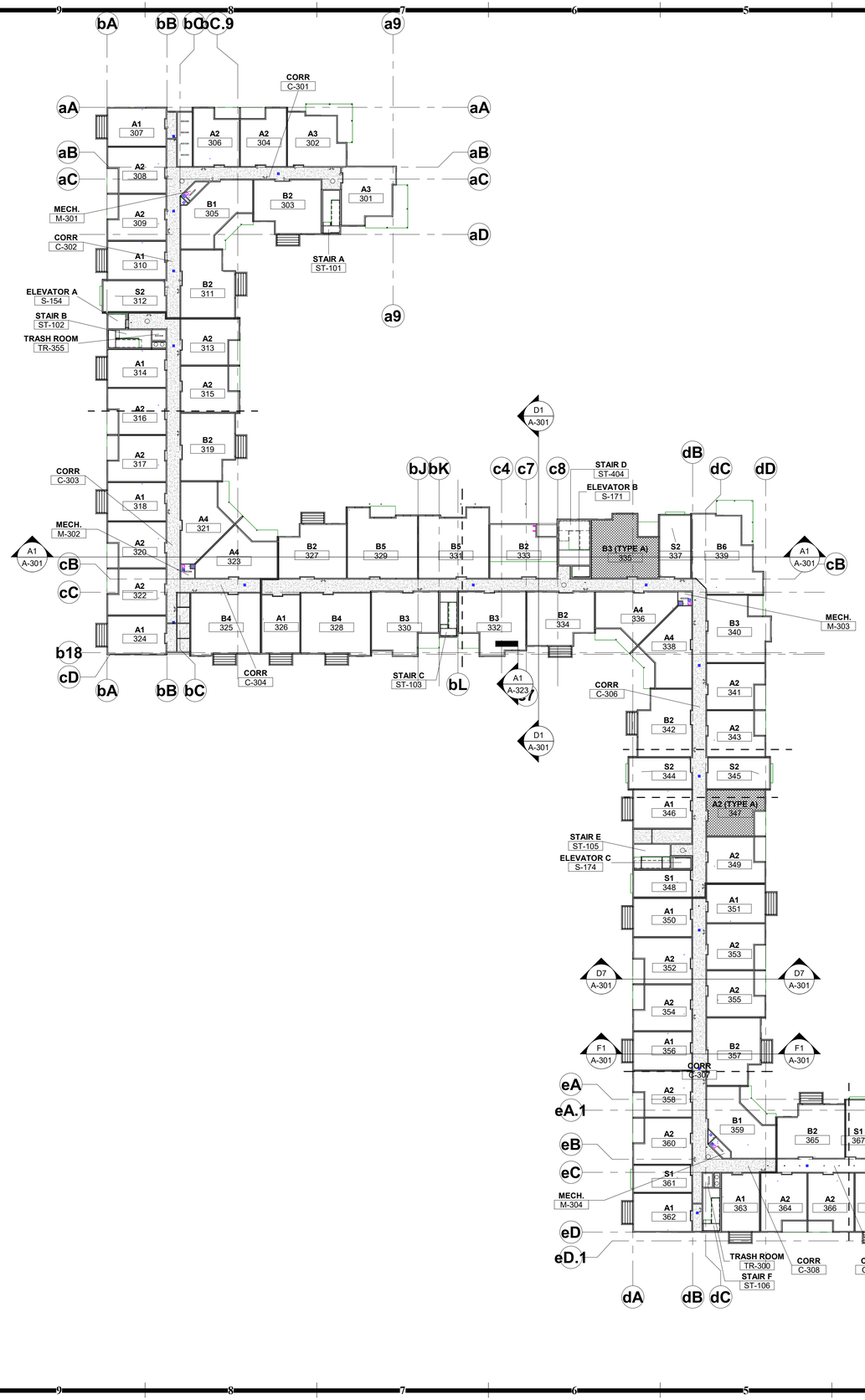
STATE OF MISSOURI
MICHAEL JOHN GOSLINGA
NUMBER A-2016000380
12.31.25
ARCHITECT

PROFESSIONAL SEAL

AC102

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

SECOND FLOOR - OVERALL RCP



REFLECTED CEILING PLAN SYMBOLS:

- 9'-0" — CEILING HEIGHT
- GYP. BD.
- SUSP. CEILING SYSTEM
- SUPPLY AIR UP
- SUPPLY AIR DOWN
- RETURN / EXHAUST AIR UP
- RETURN / EXHAUST AIR DOWN
- LIGHT FIXTURE
- CRITICAL LIGHT FIXTURE
- LIFE SAFETY LIGHT FIXTURE WITH EMERGENCY BATTERY
- FLUORESCENT STRIP FIXTURE
- COVE LIGHTING
- TRACK LIGHTING
- PENDANT FIXTURE
- CAN LIGHT
- FIRE EXIT SIGN
- SPRINKLER HEAD
- S — SPEAKER
- CONTROL JOINT IN GYP BD CEILING
- 2'X4' LAY-IN CEILING
- 2'X2' LAY-IN CEILING
- 1 HOUR RATED LID UL 415
- 2 HOUR RATED LID UL 415
- SECURITY CEILING
- OPEN TO STRUCTURE
- WOOD VENEER
- T & G WOOD VENEER
- EXTERIOR STUCCO SOFFIT
- EXTERIOR METAL PANEL SOFFIT

GENERAL NOTES - REFLECTED CEILING PLANS:

1. DIMENSIONS SHOWN ON THE REFLECTED CEILING PLANS ARE TO THE FACE OF GYP. BOARD (FOG), AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.
2. ALL CEILINGS TO BE X'-X" AFF, UNLESS NOTED OTHERWISE.
3. ALL CEILING HEIGHTS AS SHOWN ON PLANS AND DETAILS ARE FROM FINISHED FLOOR TO FINISH CEILING.
4. OCCUPIABLE SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING NOT LESS THAN 7'-6" AFF.
5. BATHROOMS, TOILET ROOMS, KITCHENS, STORAGE ROOMS AND LAUNDRY ROOMS SHALL HAVE CEILING HEIGHT OF NOT LESS THAN 7'-0" AFF.
6. AT ALL GYPSUM SOFFITS: EXTEND GYP BD 6" ABOVE ADJACENT CEILING UNLESS NOTED OTHERWISE.
7. REFERENCE ENLARGED CEILING PLANS AND CEILING DETAILS FOR ADDITIONAL CONDITIONS AND CEILING HEIGHT INFORMATION.
8. SEE ALSO FINISH LEGEND AND FINISH PLANS FOR ROOM CEILING FINISHES.
9. AT ACOUSTICAL TILE CEILINGS, CENTER TILE/GRID WITHIN THE ROOM, UNLESS NOTED OTHERWISE.
10. AT ACOUSTICAL TILE CEILINGS,CENTER LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, OTHER CEILING MOUNTED ITEMS IN THE CEILING TILE, UNLESS NOTED OTHERWISE.
11. REFERENCE INTERIOR ELEVATIONS AND VERTICAL CIRCULATION DRAWINGS FOR LOCATION OF WALL MOUNTED LIGHT FIXTURES.
12. COORDINATE ALL PENDANT MOUNTED LIGHT FIXTURES IN MECHANICAL AND ELECTRICAL ROOMS WITH EXPOSED STRUCTURE.
13. COORDINATE ALL CEILING MOUNTED EQUIPMENT WITH FURNITURE AND CASEWORK BELOW.
14. WHERE THERE IS A CONFLICT BETWEEN ANY ABOVE CEILING EQUIPMENT AND THE INDICATED CEILING HEIGHT, CONTACT THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
15. REFER TO INTERIOR ELEVATIONS FOR PENDANT LIGHT FIXTURE HEIGHTS. COORDINATE PENDANT FIXTURE MOUNTING HEIGHT WITH DOOR SWINGS.
16. PROVIDE SUPPLEMENTAL FRAMING & ATTACHMENTS TO STRUCTURE TO SUPPORT THE CEILING SYSTEM, LIGHT FIXTURES, DUCTS, DIFFUSERS, SPRINKLER PIPING AND OTHER ABOVE CEILING MEP EQUIPMENT.
17. CEILING MOUNTED EXIT SIGNS AND SMOKE DETECTORS SHALL BE LOCATED AS REQUIRED BY THE AHJ.

TYPE A UNIT

MATERIAL KEYNOTES

A1 OVERALL THIRD FLOOR RCP
1/32" = 1'-0"

NORTH

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REVISION DATES:

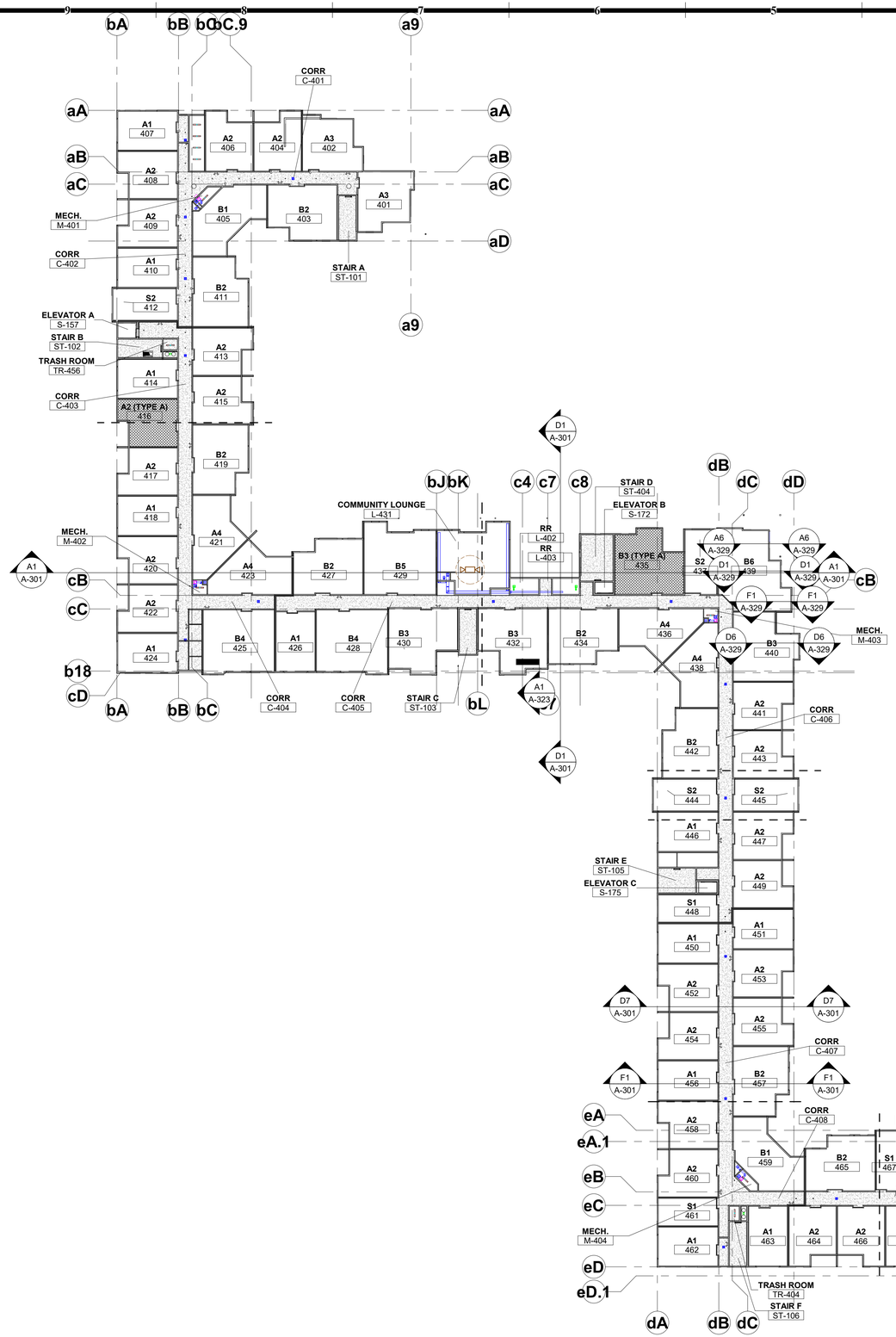
STATE OF MISSOURI
MICHAEL JOHN GOSLINGA
NUMBER A-2016000380
12.22.25
ARCHITECT

PROFESSIONAL SEAL

AC103

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

THIRD FLOOR - OVERALL RCP



REFLECTED CEILING PLAN SYMBOLS:

- 9'-0" — CEILING HEIGHT
- GYP. BD.
- SUSP. CEILING SYSTEM
- SUPPLY AIR UP
- SUPPLY AIR DOWN
- RETURN / EXHAUST AIR UP
- RETURN / EXHAUST AIR DOWN
- LIGHT FIXTURE
- CRITICAL LIGHT FIXTURE
- LIFE SAFETY LIGHT FIXTURE WITH EMERGENCY BATTERY
- FLUORESCENT STRIP FIXTURE
- COVE LIGHTING
- TRACK LIGHTING
- PENDANT FIXTURE
- CAN LIGHT
- FIRE EXIT SIGN
- SPRINKLER HEAD
- SPEAKER
- CONTROL JOINT IN GYP BD CEILING
- 2'X4' LAY-IN CEILING
- 2'X2' LAY-IN CEILING
- 1 HOUR RATED LID UL 415
- 2 HOUR RATED LID UL 415
- SECURITY CEILING
- OPEN TO STRUCTURE
- WOOD VENEER
- T & G WOOD VENEER
- EXTERIOR STUCCO SOFFIT
- EXTERIOR METAL PANEL SOFFIT

GENERAL NOTES - REFLECTED CEILING PLANS:

1. DIMENSIONS SHOWN ON THE REFLECTED CEILING PLANS ARE TO THE FACE OF GYP. BOARD (FOG), AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.
2. ALL CEILINGS TO BE X'-X" AFF, UNLESS NOTED OTHERWISE.
3. ALL CEILING HEIGHTS AS SHOWN ON PLANS AND DETAILS ARE FROM FINISHED FLOOR TO FINISH CEILING.
4. OCCUPIABLE SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING NOT LESS THAN 7'-6" AFF.
5. BATHROOMS, TOILET ROOMS, KITCHENS, STORAGE ROOMS AND LAUNDRY ROOMS SHALL HAVE CEILING HEIGHT OF NOT LESS THAN 7'-0" AFF.
6. AT ALL GYPSUM SOFFITS: EXTEND GYP BD 6" ABOVE ADJACENT CEILING UNLESS NOTED OTHERWISE.
7. REFERENCE ENLARGED CEILING PLANS AND CEILING DETAILS FOR ADDITIONAL CONDITIONS AND CEILING HEIGHT INFORMATION.
8. SEE ALSO FINISH LEGEND AND FINISH PLANS FOR ROOM CEILING FINISHES.
9. AT ACOUSTICAL TILE CEILINGS, CENTER TILE/GRID WITHIN THE ROOM, UNLESS NOTED OTHERWISE.
10. AT ACOUSTICAL TILE CEILINGS,CENTER LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, OTHER CEILING MOUNTED ITEMS IN THE CEILING TILE, UNLESS NOTED OTHERWISE.
11. REFERENCE INTERIOR ELEVATIONS AND VERTICAL CIRCULATION DRAWINGS FOR LOCATION OF WALL MOUNTED LIGHT FIXTURES.
12. COORDINATE ALL PENDANT MOUNTED LIGHT FIXTURES IN MECHANICAL AND ELECTRICAL ROOMS WITH EXPOSED STRUCTURE.
13. COORDINATE ALL CEILING MOUNTED EQUIPMENT WITH FURNITURE AND CASEWORK BELOW.
14. WHERE THERE IS A CONFLICT BETWEEN ANY ABOVE CEILING EQUIPMENT AND THE INDICATED CEILING HEIGHT, CONTACT THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
15. REFER TO INTERIOR ELEVATIONS FOR PENDANT LIGHT FIXTURE HEIGHTS. COORDINATE PENDANT FIXTURE MOUNTING HEIGHT WITH DOOR SWINGS.
16. PROVIDE SUPPLEMENTAL FRAMING & ATTACHMENTS TO STRUCTURE TO SUPPORT THE CEILING SYSTEM, LIGHT FIXTURES, DUCTS, DIFFUSERS, SPRINKLER PIPING AND OTHER ABOVE CEILING MEP EQUIPMENT.
17. CEILING MOUNTED EXIT SIGNS AND SMOKE DETECTORS SHALL BE LOCATED AS REQUIRED BY THE AHJ.

TYPE A UNIT

MATERIAL KEYNOTES

A1 OVERALL FOURTH FLOOR RCP
1/32" = 1'-0"

NORTH

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PROFESSIONAL SEAL

AC104

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

FOURTH FLOOR - OVERALL RCP

NORTH

A2 FIRST FLOOR RCP - AREA A
1/8" = 1'-0"

REFLECTED CEILING PLAN SYMBOLS:

- 9'-0" — CEILING HEIGHT
- GYP. BD.
- SUSP. CEILING SYSTEM
- SUPPLY AIR UP
- SUPPLY AIR DOWN
- RETURN / EXHAUST AIR UP
- RETURN / EXHAUST AIR DOWN
- LIGHT FIXTURE
- CRITICAL LIGHT FIXTURE
- LIFE SAFETY LIGHT FIXTURE WITH EMERGENCY BATTERY
- FLUORESCENT STRIP FIXTURE
- COVE LIGHTING
- TRACK LIGHTING
- PENDANT FIXTURE
- CAN LIGHT
- FIRE EXIT SIGN
- SPRINKLER HEAD
- S — SPEAKER
- CONTROL JOINT IN GYP BD CEILING
- 2'X4' LAY-IN CEILING
- 2'X2' LAY-IN CEILING
- 1 HOUR RATED LID UL 415
- 2 HOUR RATED LID UL 415
- SECURITY CEILING
- OPEN TO STRUCTURE
- WOOD VENEER
- T & G WOOD VENEER
- EXTERIOR STUCCO SOFFIT
- EXTERIOR METAL PANEL SOFFIT

GENERAL NOTES - REFLECTED CEILING PLANS:

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2. ALL CEILINGS TO BE X'-X" AFF, UNLESS NOTED OTHERWISE.
3. ALL CEILING HEIGHTS AS SHOWN ON PLANS AND DETAILS ARE FROM FINISHED FLOOR TO FINISH CEILING.
4. OCCUPIABLE SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING NOT LESS THAN 7'-6" AFF.
5. BATHROOMS, TOILET ROOMS, KITCHENS, STORAGE ROOMS AND LAUNDRY ROOMS SHALL HAVE CEILING HEIGHT OF NOT LESS THAN 7'-0" AFF.
6. AT ALL GYPSUM SOFFITS: EXTEND GYP BD 6" ABOVE ADJACENT CEILING UNLESS NOTED OTHERWISE.
7. REFERENCE ENLARGED CEILING PLANS AND CEILING DETAILS FOR ADDITIONAL CONDITIONS AND CEILING HEIGHT INFORMATION.
8. SEE ALSO FINISH LEGEND AND FINISH PLANS FOR ROOM CEILING FINISHES.
9. AT ACOUSTICAL TILE CEILINGS, CENTER TILE/GRID WITHIN THE ROOM, UNLESS NOTED OTHERWISE.
10. AT ACOUSTICAL TILE CEILINGS,CENTER LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, OTHER CEILING MOUNTED ITEMS IN THE CEILING TILE, UNLESS NOTED OTHERWISE.
11. REFERENCE INTERIOR ELEVATIONS AND VERTICAL CIRCULATION DRAWINGS FOR LOCATION OF WALL MOUNTED LIGHT FIXTURES.
12. COORDINATE ALL PENDANT MOUNTED LIGHT FIXTURES IN MECHANICAL AND ELECTRICAL ROOMS WITH EXPOSED STRUCTURE.
13. COORDINATE ALL CEILING MOUNTED EQUIPMENT WITH FURNITURE AND CASEWORK BELOW.
14. WHERE THERE IS A CONFLICT BETWEEN ANY ABOVE CEILING EQUIPMENT AND THE INDICATED CEILING HEIGHT, CONTACT THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
15. REFER TO INTERIOR ELEVATIONS FOR PENDANT LIGHT FIXTURE HEIGHTS. COORDINATE PENDANT FIXTURE MOUNTING HEIGHT WITH DOOR SWINGS.
16. PROVIDE SUPPLEMENTAL FRAMING & ATTACHMENTS TO STRUCTURE TO SUPPORT THE CEILING SYSTEM, LIGHT FIXTURES, DUCTS, DIFFUSERS, SPRINKLER PIPING AND OTHER ABOVE CEILING MEP EQUIPMENT.
17. CEILING MOUNTED EXIT SIGNS AND SMOKE DETECTORS SHALL BE LOCATED AS REQUIRED BY THE AHJ.

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AC401-A

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

FIRST FLOOR - AREA A - ENLARGED RCP

TRASH ROOM TR-101
POOL EQUIPMENT ROOM P-101
WATER ROOM WR-101
A2 113
A2 114
A2 116
B2 115
A1 117
CORR C-103
A4 119
A4 121
B2 125
A2 118
A2 120
CORR C-104
A1 122
B4 123
A1 124
B4 126
B3 127
ELECT. U-164
ZEN L-113
SPA L-112
SAUNA L-114
RR / CHANGE L-109
RR / CHANGE L-110
RR / CHANGE L-111
PRIMARY FITNESS L-108
THERAPY ROOM L-116
THERAPY ROOM L-115
CORR C-105B
STAIR C ST-103
WAP
MS
CR
PC
A1 A-325
A3 A-325
A6 A-325
A1 A-332
A1 A-333
A1 A-301
A1 A-354
A6 A-324
A8 A-324

A1 FIRST FLOOR RCP - AREA B
1/8" = 1'-0"

NORTH

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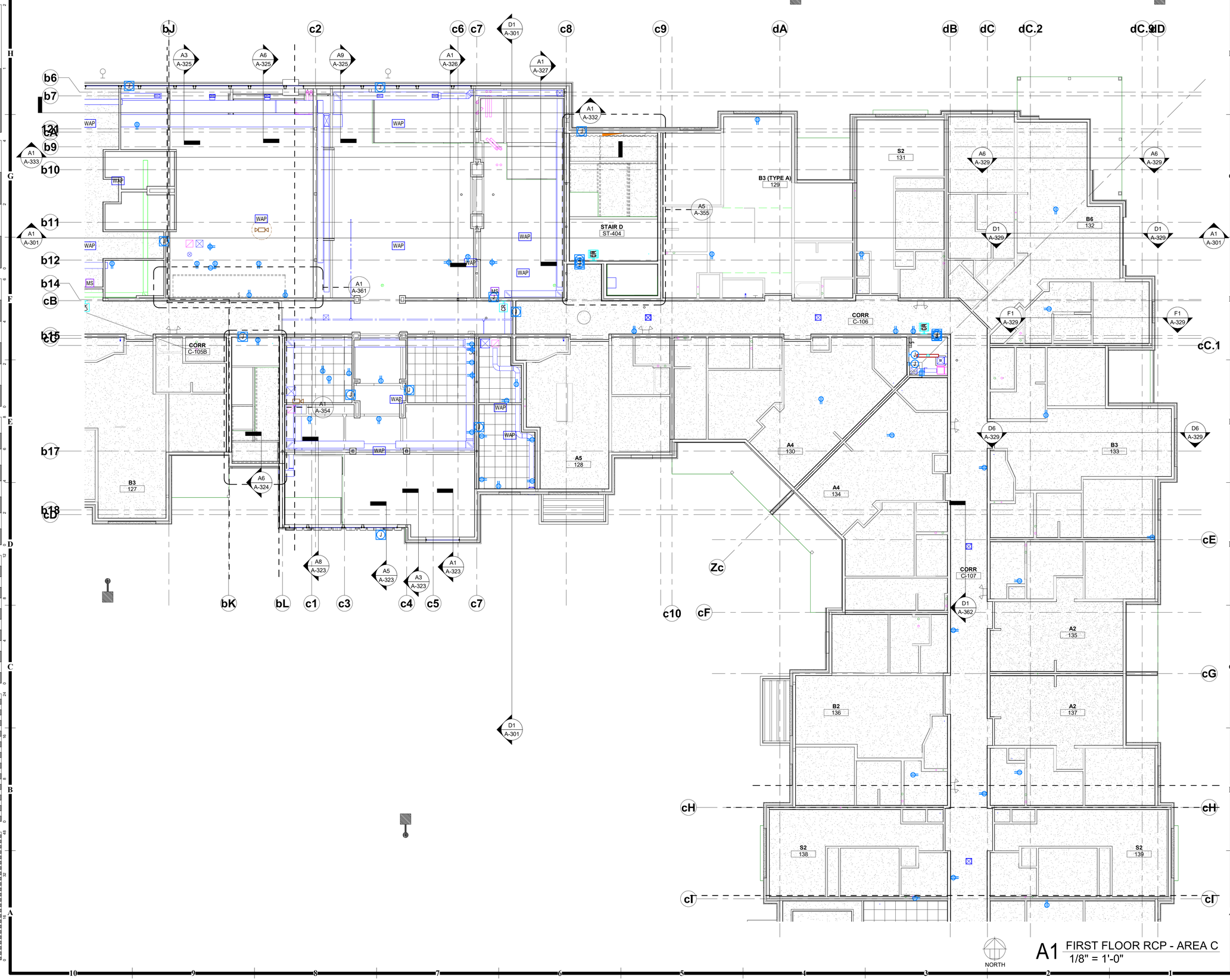
A
B
C
D
E
F

FIRST FLOOR - AREA B - ENLARGED RCP



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NORTH

A1 FIRST FLOOR RCP - AREA C
1/8" = 1'-0"

FIRST FLOOR - AREA C - ENLARGED RCP

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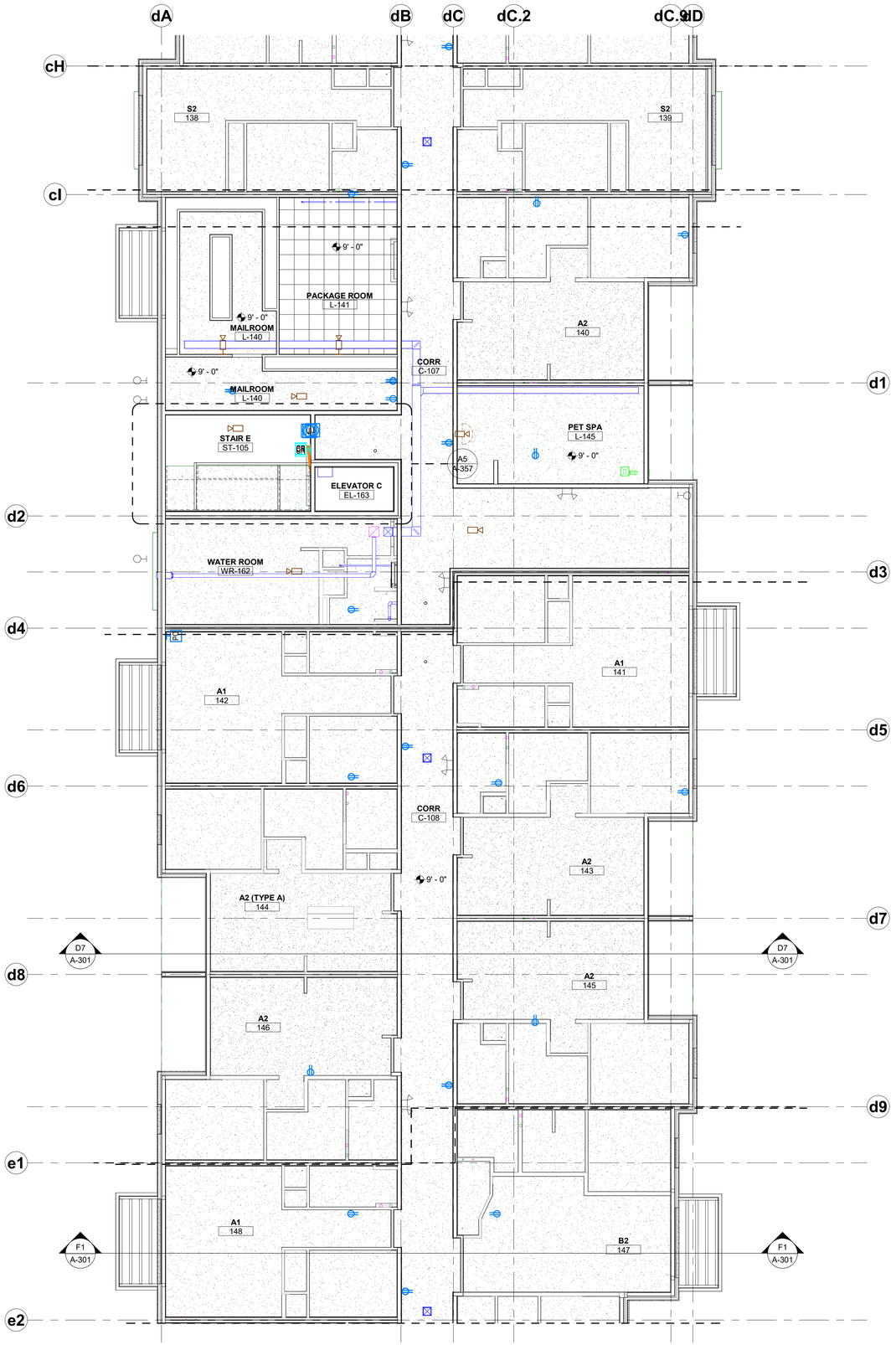

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NORTH

A1 FIRST FLOOR RCP - AREA D
1/8" = 1'-0"

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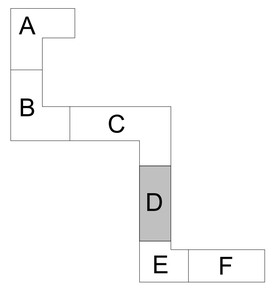
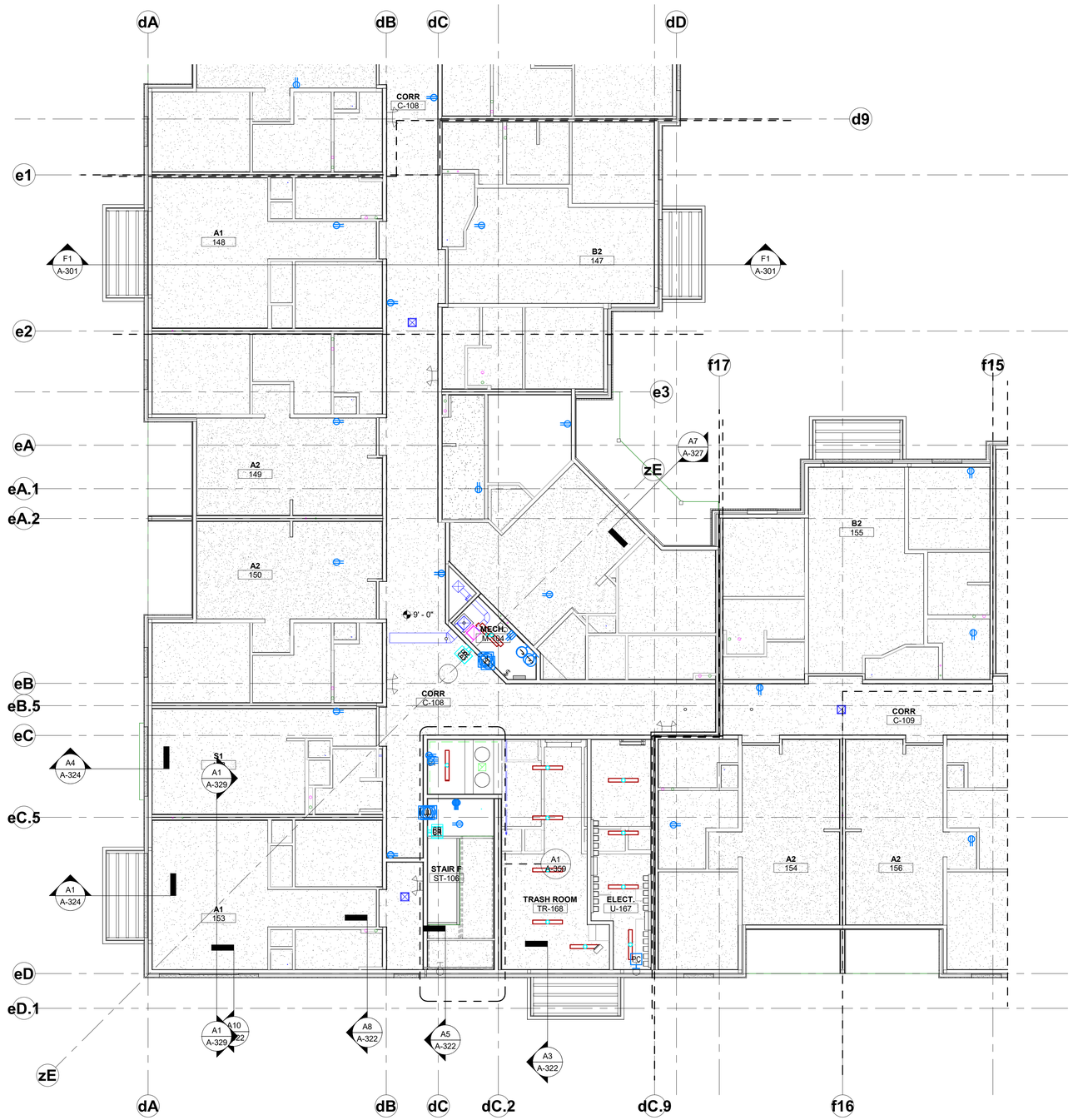


FIRST FLOOR - AREA D - ENLARGED RCP



NORTH

A1 FIRST FLOOR RCP - AREA E
1/8" = 1'-0"

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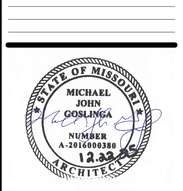

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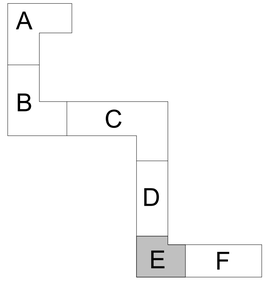

FIRST FLOOR - AREA E - ENLARGED RCP

NORTH

A1 FIRST FLOOR RCP - AREA F
1/8" = 1'-0"

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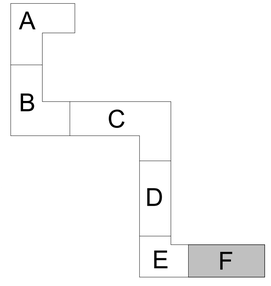
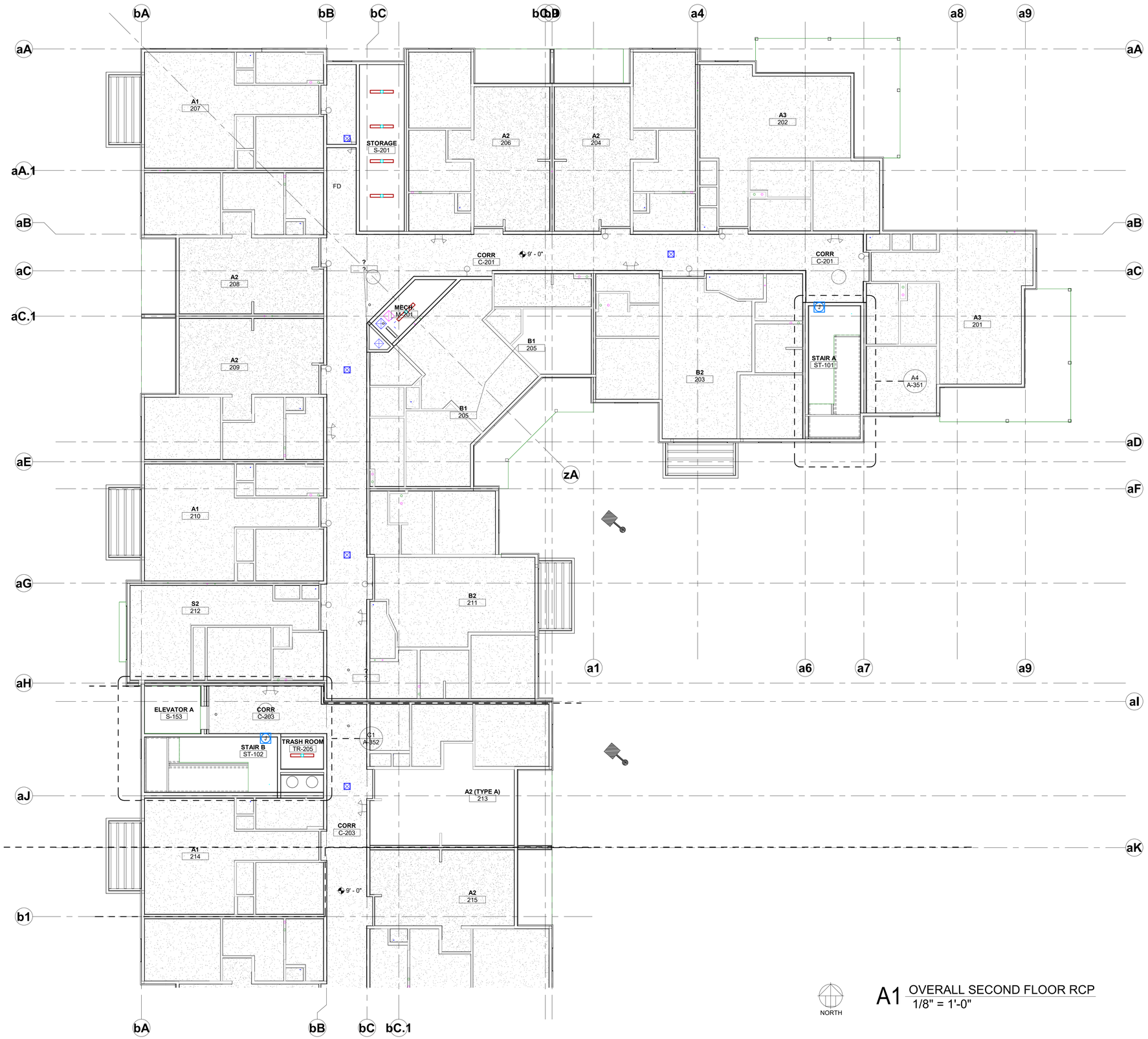


FIRST FLOOR - AREA F - ENLARGED RCP



NORTH

A1 OVERALL SECOND FLOOR RCP
1/8" = 1'-0"

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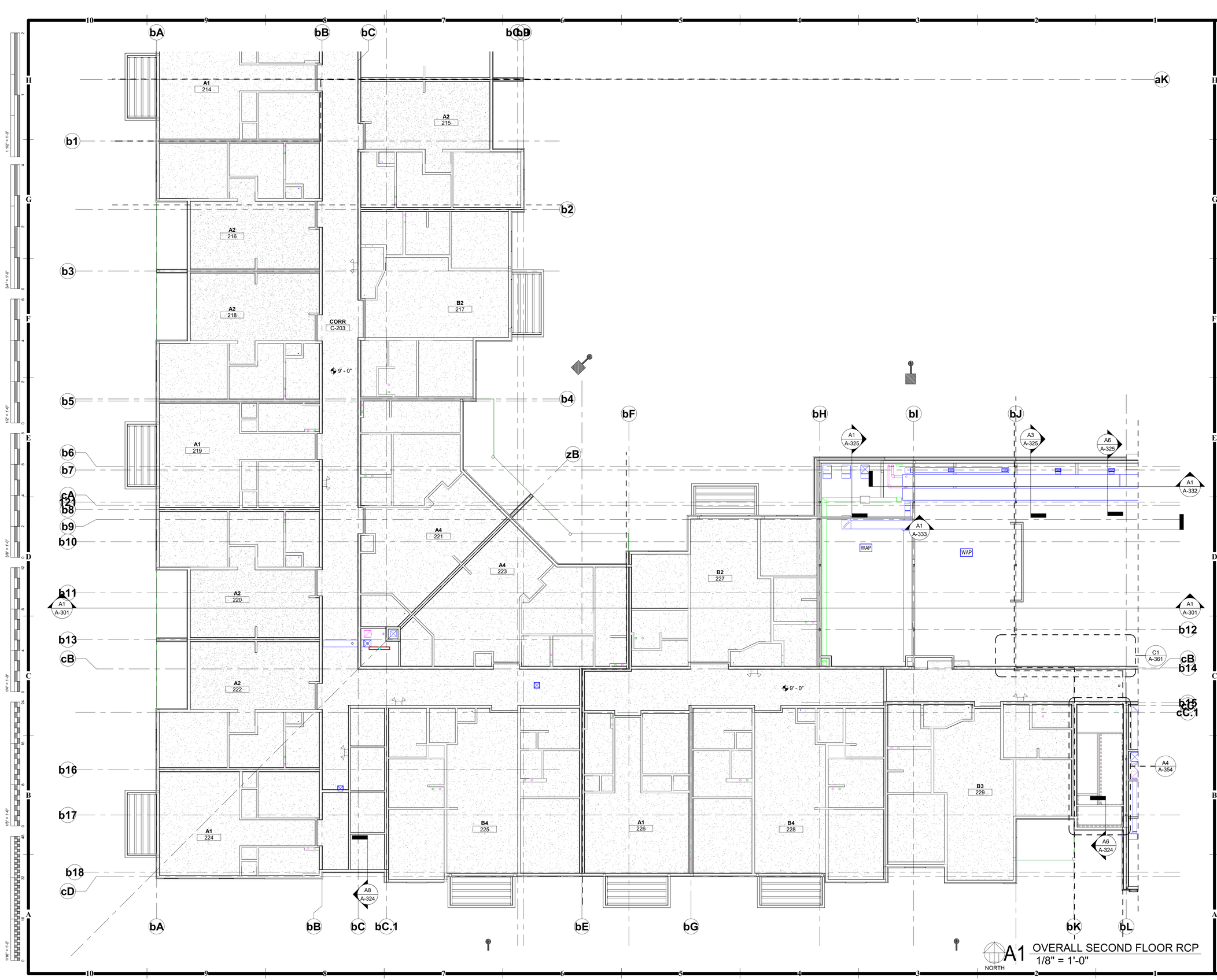
SECOND FLOOR - AREA A - ENLARGED RCP



A1 OVERALL SECOND FLOOR RCP
1/8" = 1'-0"

NORTH

SECOND FLOOR - AREA B - ENLARGED RCP

GENERAL NOTES - REFLECTED CEILING PLANS:

1. DIMENSIONS SHOWN ON THE REFLECTED CEILING PLANS ARE TO THE FACE OF GYP. BOARD (FOG), AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.
2. ALL CEILINGS TO BE X'-X" AFF, UNLESS NOTED OTHERWISE.
3. ALL CEILING HEIGHTS AS SHOWN ON PLANS AND DETAILS ARE FROM FINISHED FLOOR TO FINISH CEILING.
4. OCCUPIABLE SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING NOT LESS THAN 7'-6" AFF.
5. BATHROOMS, TOILET ROOMS, KITCHENS, STORAGE ROOMS AND LAUNDRY ROOMS SHALL HAVE CEILING HEIGHT OF NOT LESS THAN 7'-0" AFF.
6. AT ALL GYPSUM SOFFITS: EXTEND GYP BD 6" ABOVE ADJACENT CEILING UNLESS NOTED OTHERWISE.
7. REFERENCE ENLARGED CEILING PLANS AND CEILING DETAILS FOR ADDITIONAL CONDITIONS AND CEILING HEIGHT INFORMATION.
8. SEE ALSO FINISH LEGEND AND FINISH PLANS FOR ROOM CEILING FINISHES.
9. AT ACOUSTICAL TILE CEILINGS, CENTER TILE/GRID WITHIN THE ROOM, UNLESS NOTED OTHERWISE.
10. AT ACOUSTICAL TILE CEILINGS,CENTER LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, OTHER CEILING MOUNTED ITEMS IN THE CEILING TILE, UNLESS NOTED OTHERWISE.
11. REFERENCE INTERIOR ELEVATIONS AND VERTICAL CIRCULATION DRAWINGS FOR LOCATION OF WALL MOUNTED LIGHT FIXTURES.
12. COORDINATE ALL PENDANT MOUNTED LIGHT FIXTURES IN MECHANICAL AND ELECTRICAL ROOMS WITH EXPOSED STRUCTURE.
13. COORDINATE ALL CEILING MOUNTED EQUIPMENT WITH FURNITURE AND CASEWORK BELOW.
14. WHERE THERE IS A CONFLICT BETWEEN ANY ABOVE CEILING EQUIPMENT AND THE INDICATED CEILING HEIGHT, CONTACT THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
15. REFER TO INTERIOR ELEVATIONS FOR PENDANT LIGHT FIXTURE HEIGHTS. COORDINATE PENDANT FIXTURE MOUNTING HEIGHT WITH DOOR SWINGS.
16. PROVIDE SUPPLEMENTAL FRAMING & ATTACHMENTS TO STRUCTURE TO SUPPORT THE CEILING SYSTEM, LIGHT FIXTURES, DUCTS, DIFFUSERS, SPRINKLER PIPING AND OTHER ABOVE CEILING MEP EQUIPMENT.
17. CEILING MOUNTED EXIT SIGNS AND SMOKE DETECTORS SHALL BE LOCATED AS REQUIRED BY THE AHJ.

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12-22-25
ARCHITECT

PROFESSIONAL SEAL

AC402-B

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UPPER LEVEL FITNESS
L-206
WAP
GOLF SIMULATOR
S-207
ELEVATOR B
S-170
CORR
C-206
S2
233
B6
234
A8
A-355
STAIR C
ST-103
RESTROOM
S-243
CO-WORK HALL
S-201
CONF. ROOM
S-242
B3
229
A5
230
A4
232
A4
236
B3
235
A2
237
CORR
C-207
B2
238
A2
239
S2
240
S2
241
9' - 0"

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NORTH

A1 OVERALL SECOND FLOOR RCP
1/8" = 1'-0"

SECOND FLOOR - AREA C - ENLARGED RCP

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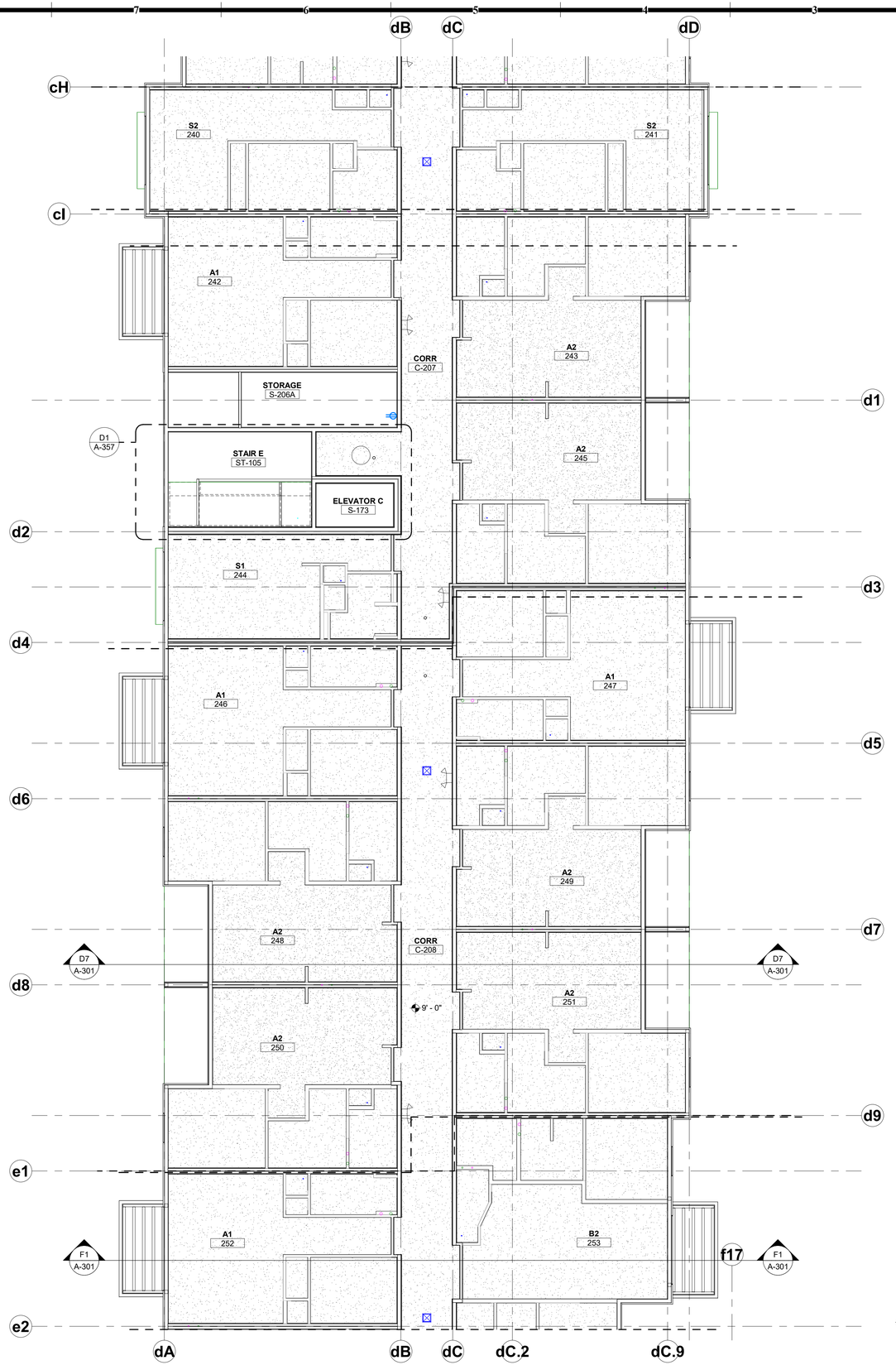

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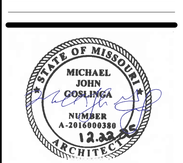

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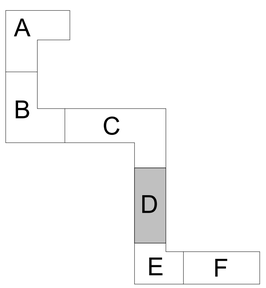

SECOND FLOOR - AREA D - ENLARGED RCP

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A1 OVERALL SECOND FLOOR RCP
1/8" = 1'-0"

NORTH

SECOND FLOOR - AREA E - ENLARGED RCP

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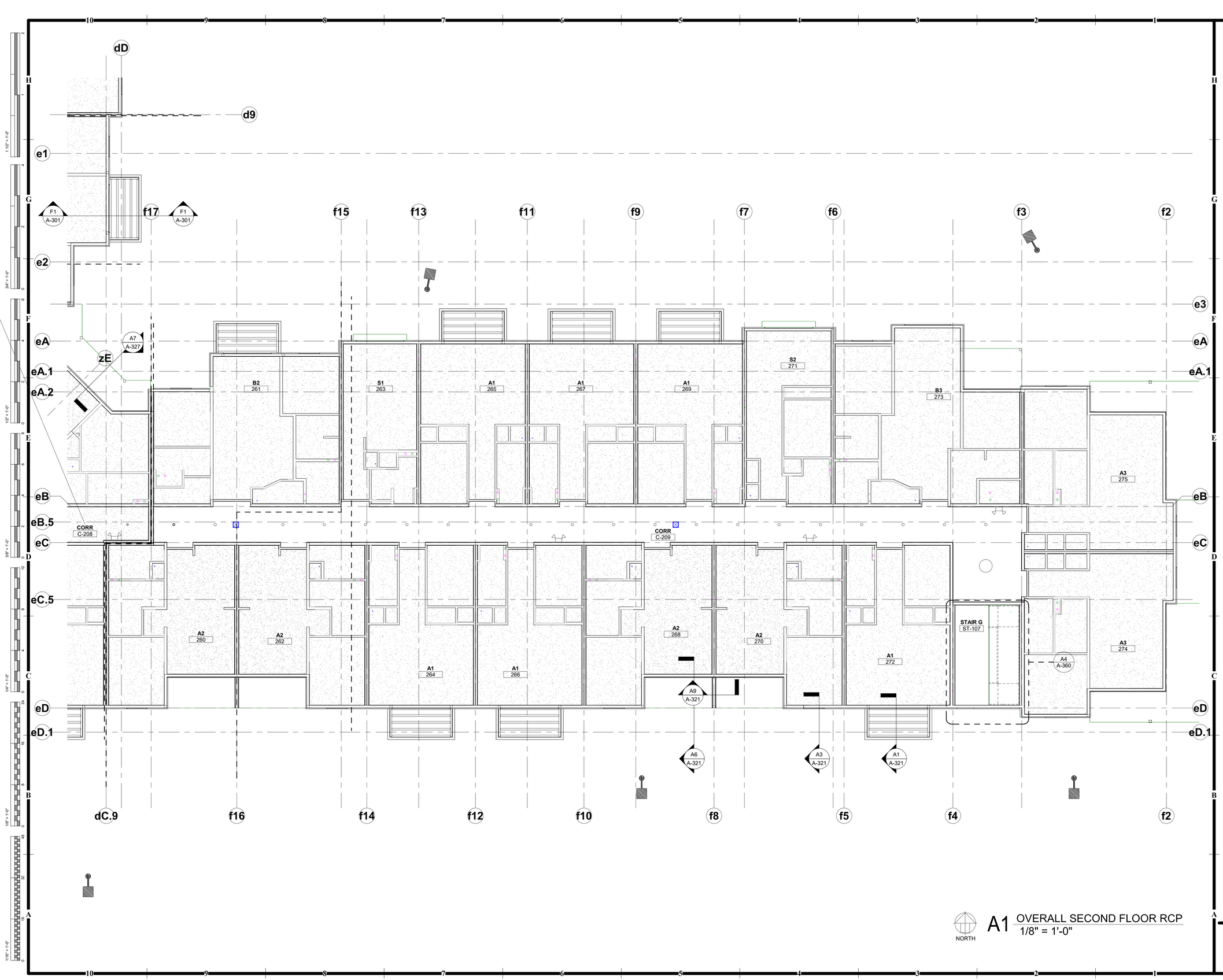

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NORTH

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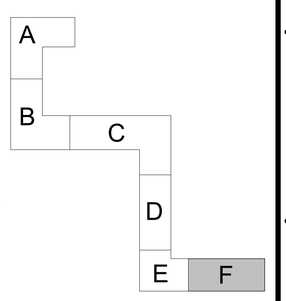

SECOND FLOOR - AREA F - ENLARGED RCP

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NORTH

A1 THIRD FLOOR RCP - AREA A
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A
B C
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E F

THIRD FLOOR - AREA A - ENLARGED RCP

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A
B
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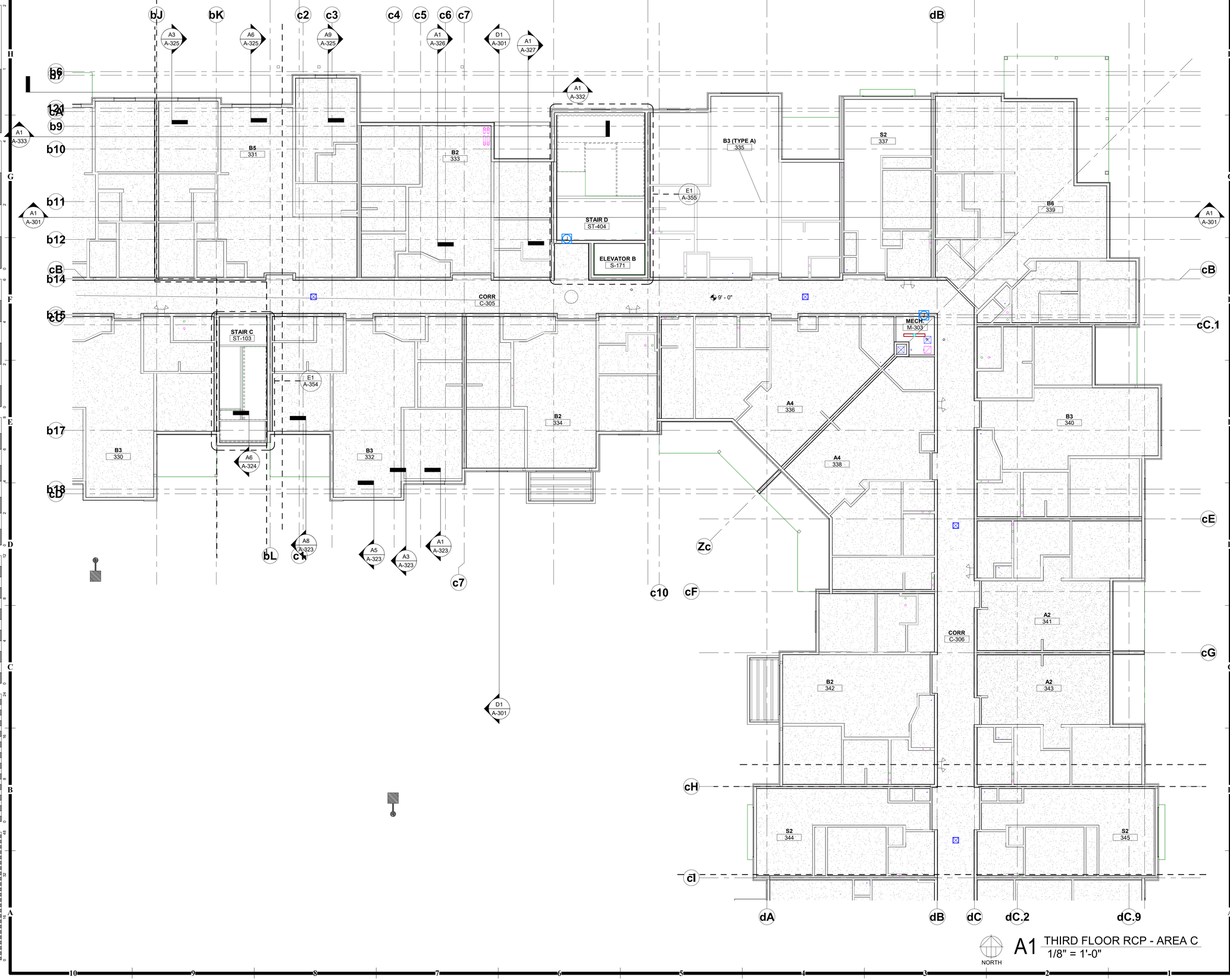
F

THIRD FLOOR - AREA B - ENLARGED RCP



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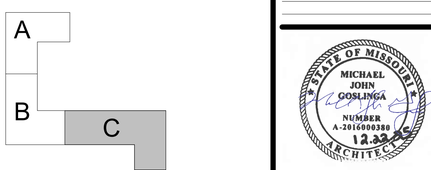

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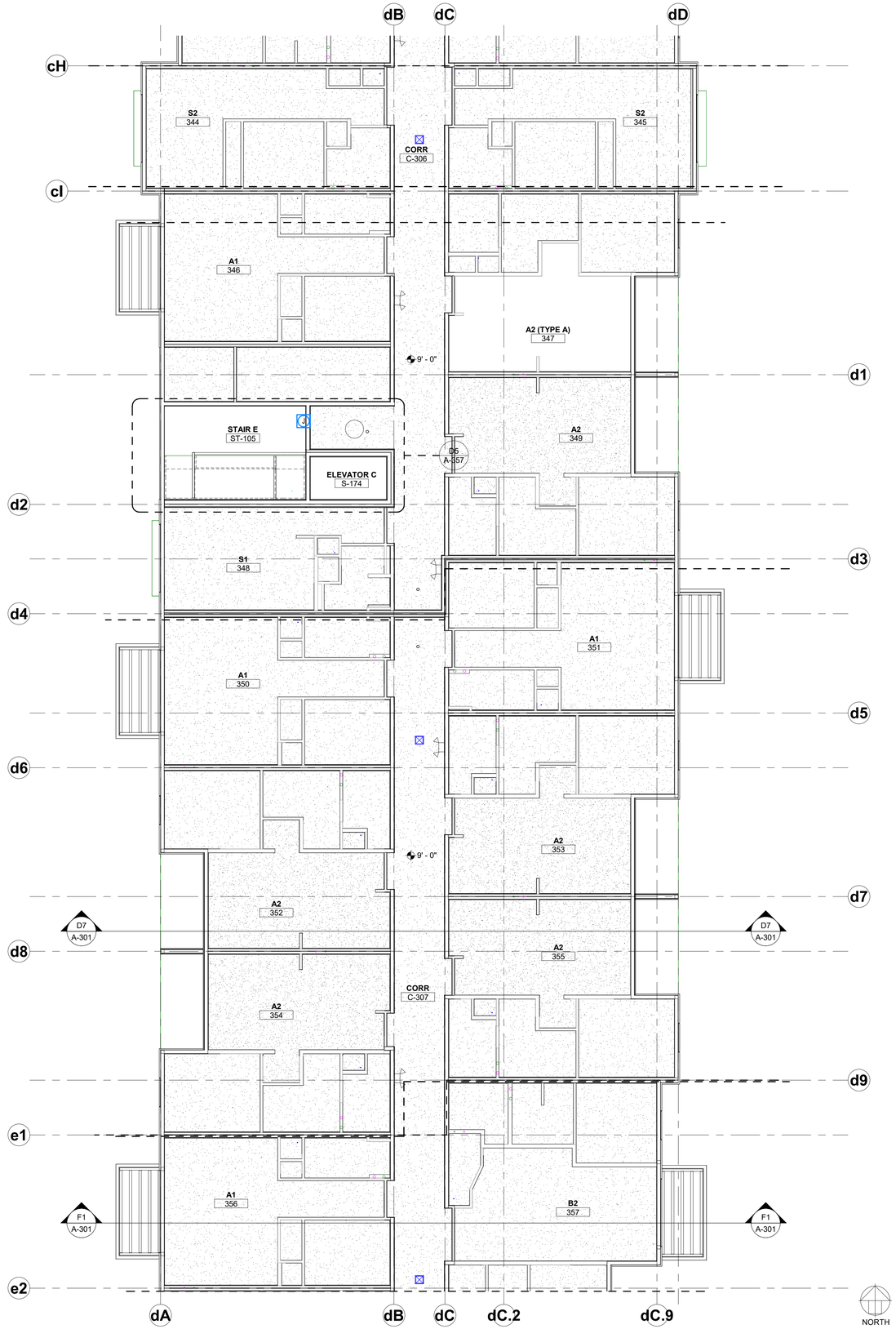
THIRD FLOOR - AREA C - ENLARGED RCP



NORTH

A1 THIRD FLOOR RCP - AREA D
1/8" = 1'-0"

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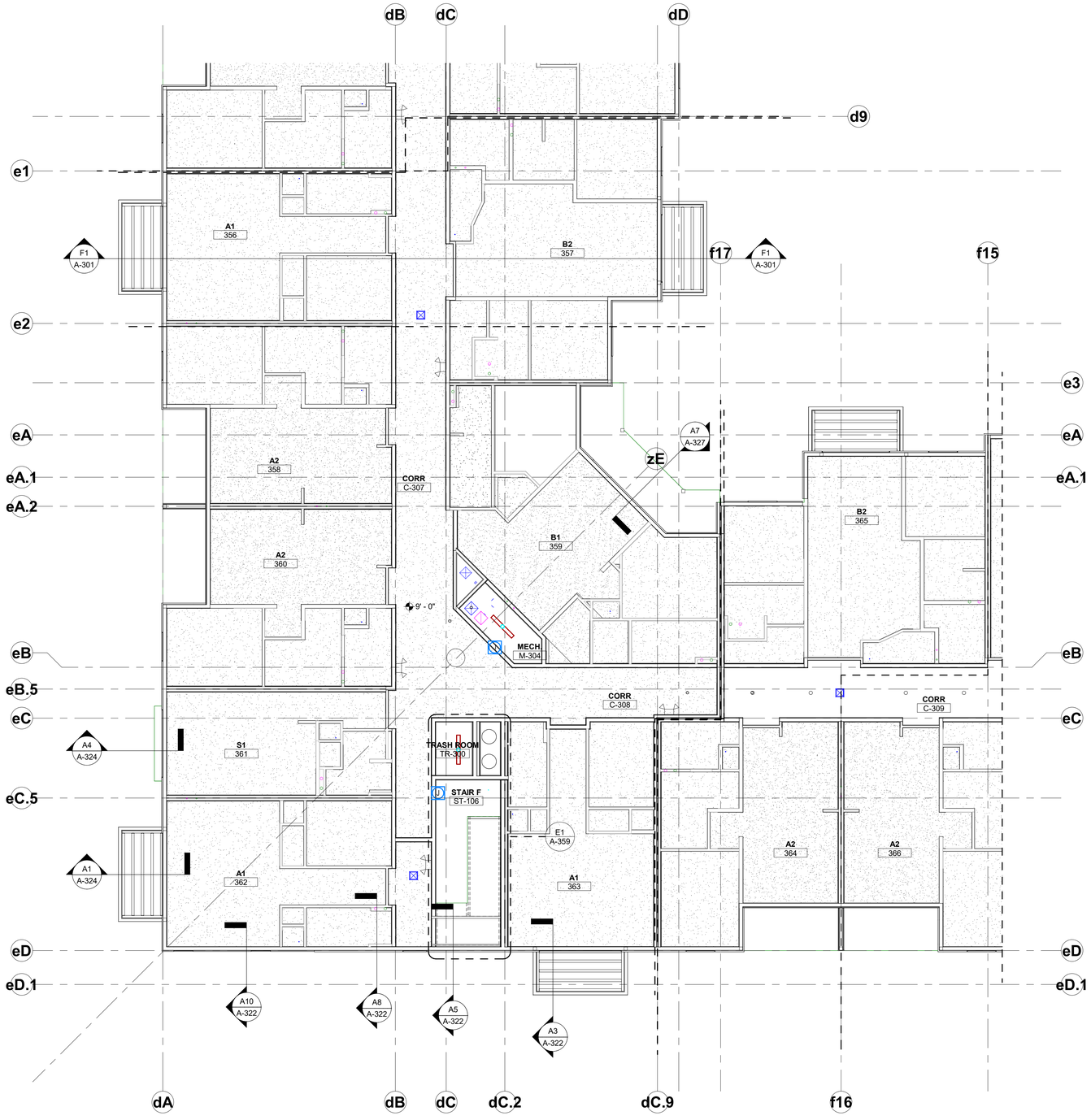
THIRD FLOOR - AREA D - ENLARGED RCP



NORTH

A1 THIRD FLOOR RCP - AREA E
1/8" = 1'-0"

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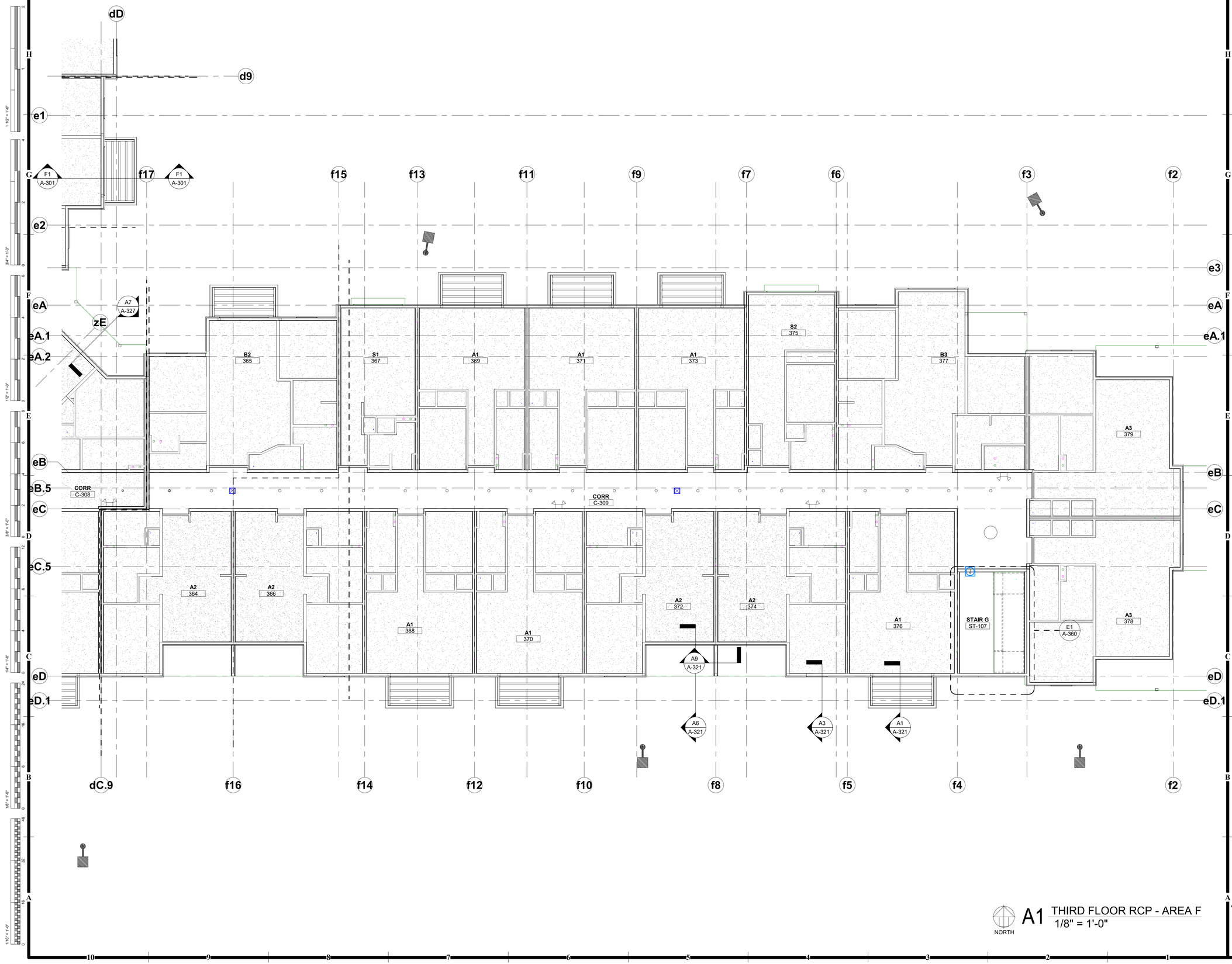
A B C D E F

THIRD FLOOR - AREA E - ENLARGED RCP



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NORTH

A1 THIRD FLOOR RCP - AREA F
1/8" = 1'-0"

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A B C D E F

THIRD FLOOR - AREA F - ENLARGED RCP

NORTH

A1 FOURTH FLOOR RCP - AREA A
1/8" = 1'-0"

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A
B
C
D
E
F

FOURTH FLOOR - AREA A - ENLARGED RCP

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NORTH

A1 FOURTH FLOOR RCP - AREA B
1/8" = 1'-0"

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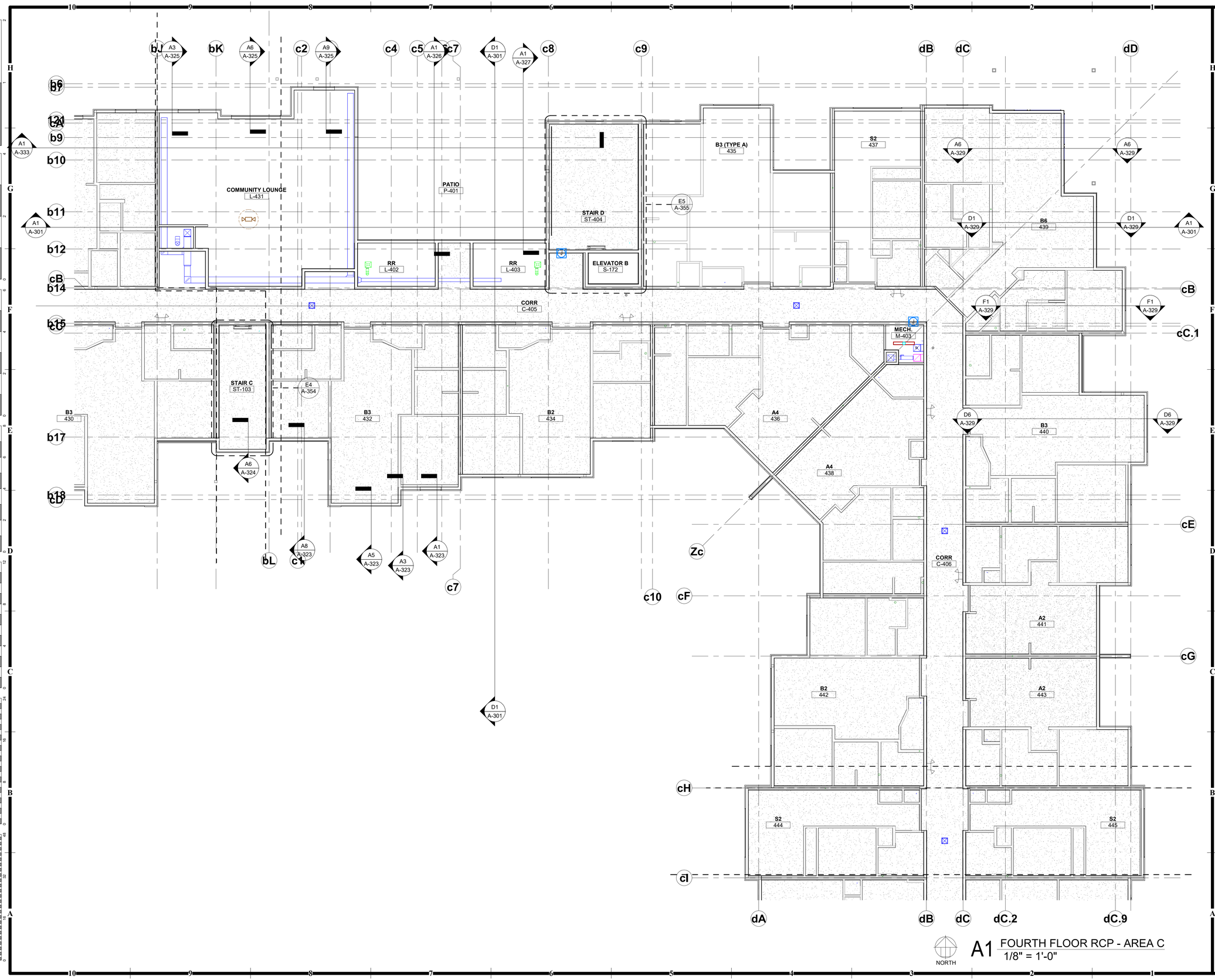
FOURTH FLOOR - AREA B - ENLARGED RCP



NORTH

A1 FOURTH FLOOR RCP - AREA C
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FOURTH FLOOR - AREA C - ENLARGED RCP

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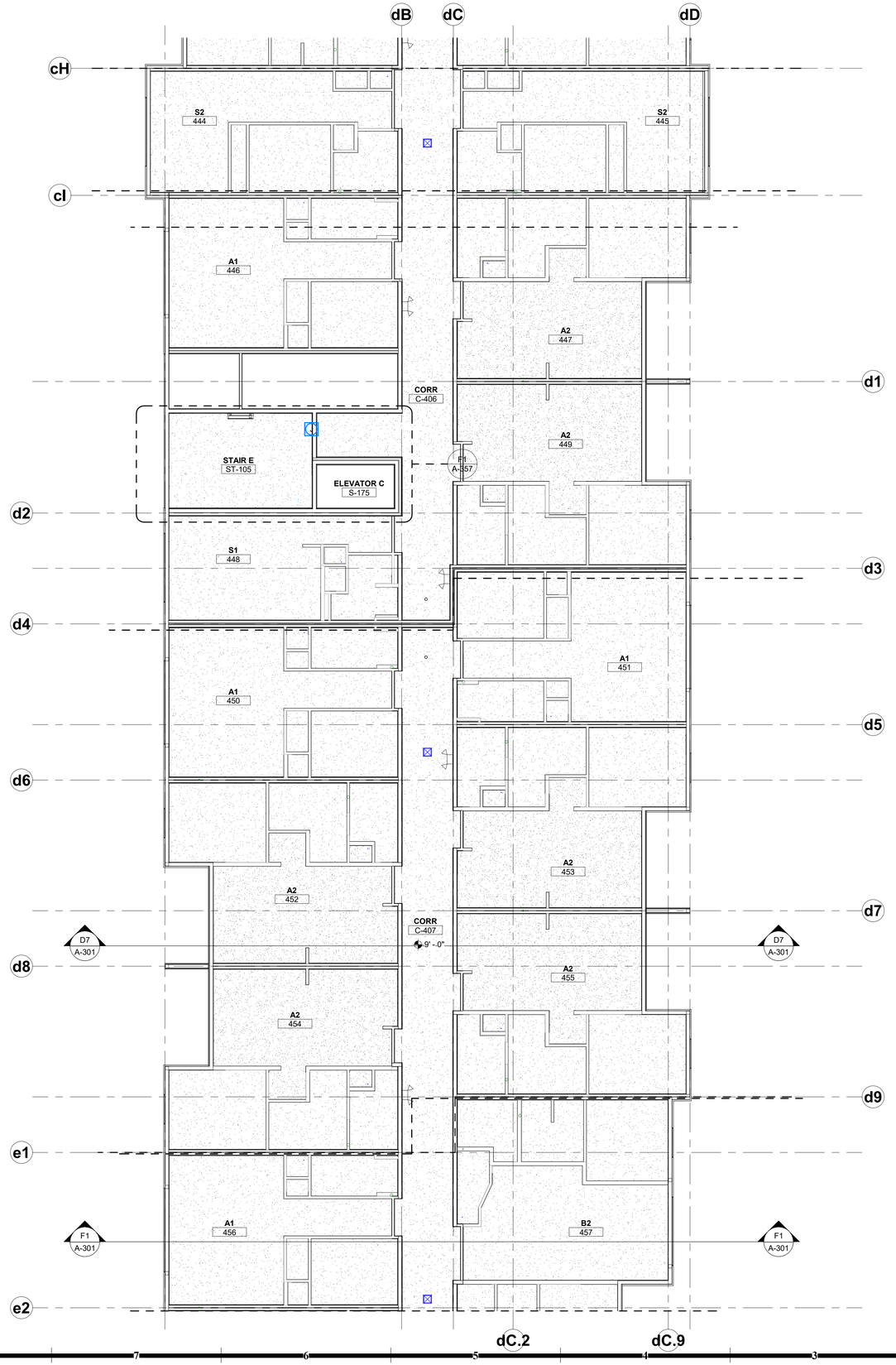

A1 FOURTH FLOOR RCP - AREA D
1/8" = 1'-0"

NORTH

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14. WHERE THERE IS A CONFLICT BETWEEN ANY ABOVE CEILING EQUIPMENT AND THE INDICATED CEILING HEIGHT, CONTACT THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
15. REFER TO INTERIOR ELEVATIONS FOR PENDANT LIGHT FIXTURE HEIGHTS. COORDINATE PENDANT FIXTURE MOUNTING HEIGHT WITH DOOR SWINGS.
16. PROVIDE SUPPLEMENTAL FRAMING & ATTACHMENTS TO STRUCTURE TO SUPPORT THE CEILING SYSTEM, LIGHT FIXTURES, DUCTS, DIFFUSERS, SPRINKLER PIPING AND OTHER ABOVE CEILING MEP EQUIPMENT.
17. CEILING MOUNTED EXIT SIGNS AND SMOKE DETECTORS SHALL BE LOCATED AS REQUIRED BY THE AHJ.

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REVISION DATES:

STATE OF MISSOURI
MICHAEL JOHN GOSLINGA
NUMBER A-2016000380
12.22.25
ARCHITECT

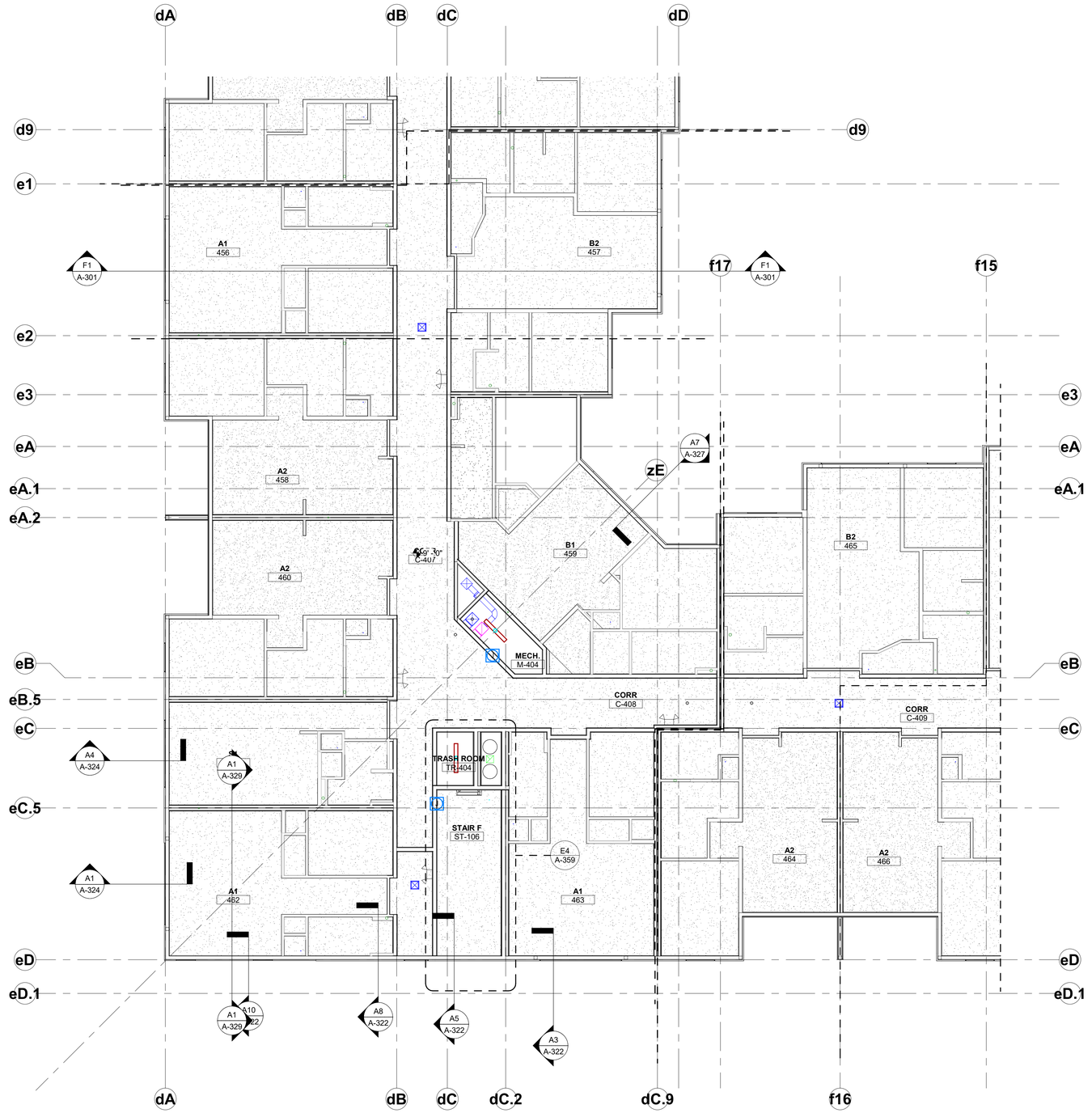
PROFESSIONAL SEAL

AC404-D

ISSUE DATE: DECEMBER 22, 2025

HOEFER WELKER #: 1259011

FOURTH FLOOR - AREA D - ENLARGED RCP



A1 FOURTH FLOOR RCP - AREA E
1/8" = 1'-0"

NORTH

GENERAL NOTES - REFLECTED CEILING PLANS:

1. DIMENSIONS SHOWN ON THE REFLECTED CEILING PLANS ARE TO THE FACE OF GYP. BOARD (FOG), AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.
2. ALL CEILINGS TO BE X'-X" AFF, UNLESS NOTED OTHERWISE.
3. ALL CEILING HEIGHTS AS SHOWN ON PLANS AND DETAILS ARE FROM FINISHED FLOOR TO FINISH CEILING.
4. OCCUPIABLE SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING NOT LESS THAN 7'-6" AFF.
5. BATHROOMS, TOILET ROOMS, KITCHENS, STORAGE ROOMS AND LAUNDRY ROOMS SHALL HAVE CEILING HEIGHT OF NOT LESS THAN 7'-0" AFF.
6. AT ALL GYPSUM SOFFITS: EXTEND GYP BD 6" ABOVE ADJACENT CEILING UNLESS NOTED OTHERWISE.
7. REFERENCE ENLARGED CEILING PLANS AND CEILING DETAILS FOR ADDITIONAL CONDITIONS AND CEILING HEIGHT INFORMATION.
8. SEE ALSO FINISH LEGEND AND FINISH PLANS FOR ROOM CEILING FINISHES.
9. AT ACOUSTICAL TILE CEILINGS, CENTER TILE/GRID WITHIN THE ROOM, UNLESS NOTED OTHERWISE.
10. AT ACOUSTICAL TILE CEILINGS,CENTER LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, OTHER CEILING MOUNTED ITEMS IN THE CEILING TILE, UNLESS NOTED OTHERWISE.
11. REFERENCE INTERIOR ELEVATIONS AND VERTICAL CIRCULATION DRAWINGS FOR LOCATION OF WALL MOUNTED LIGHT FIXTURES.
12. COORDINATE ALL PENDANT MOUNTED LIGHT FIXTURES IN MECHANICAL AND ELECTRICAL ROOMS WITH EXPOSED STRUCTURE.
13. COORDINATE ALL CEILING MOUNTED EQUIPMENT WITH FURNITURE AND CASEWORK BELOW.
14. WHERE THERE IS A CONFLICT BETWEEN ANY ABOVE CEILING EQUIPMENT AND THE INDICATED CEILING HEIGHT, CONTACT THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
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17. CEILING MOUNTED EXIT SIGNS AND SMOKE DETECTORS SHALL BE LOCATED AS REQUIRED BY THE AHJ.

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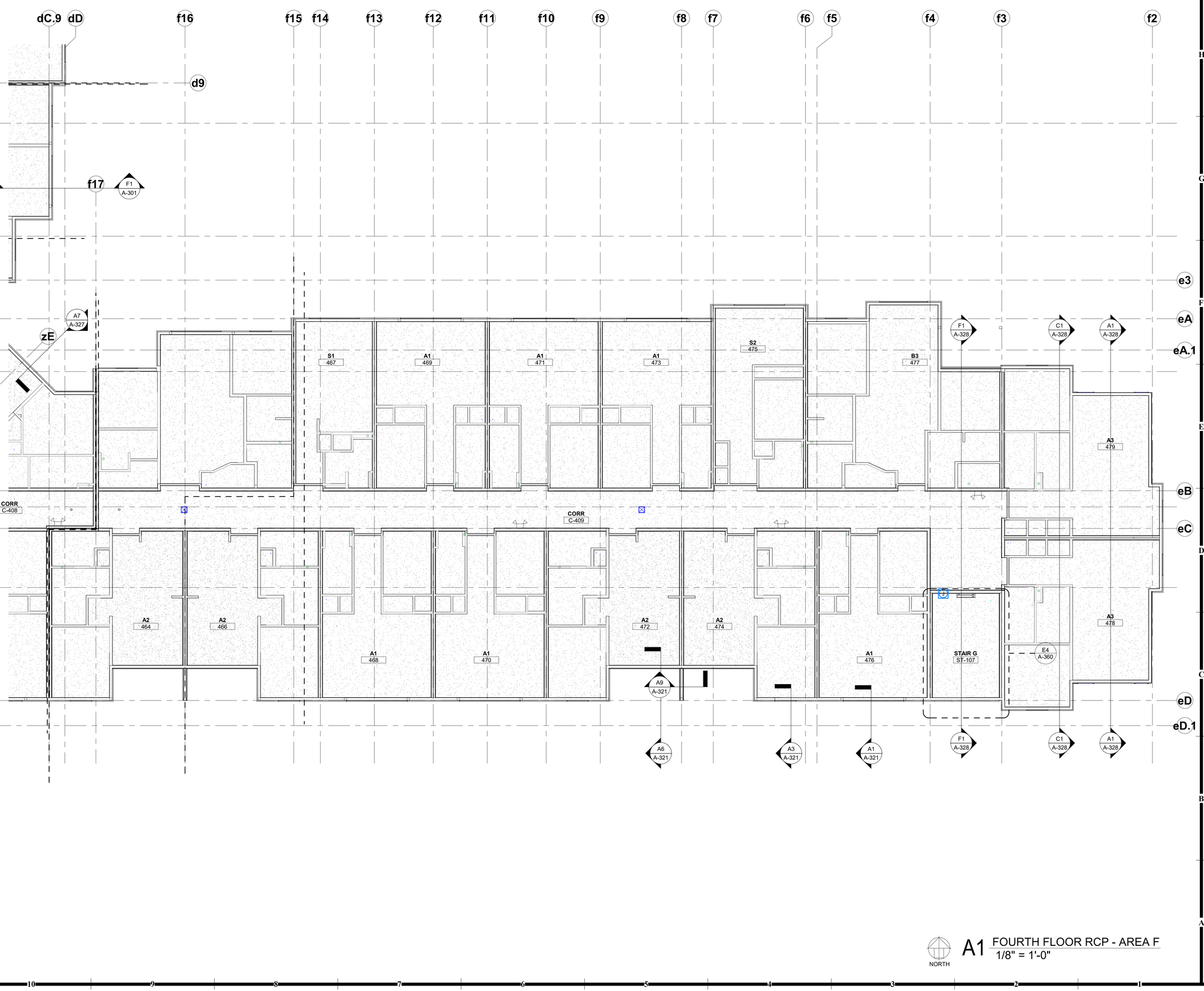
A B C D E F

FOURTH FLOOR - AREA E - ENLARGED RCP



GENERAL NOTES - REFLECTED CEILING PLANS:

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6. AT ALL GYPSUM SOFFITS: EXTEND GYP BD 6" ABOVE ADJACENT CEILING UNLESS NOTED OTHERWISE.
7. REFERENCE ENLARGED CEILING PLANS AND CEILING DETAILS FOR ADDITIONAL CONDITIONS AND CEILING HEIGHT INFORMATION.
8. SEE ALSO FINISH LEGEND AND FINISH PLANS FOR ROOM CEILING FINISHES.
9. AT ACOUSTICAL TILE CEILINGS, CENTER TILE/GRID WITHIN THE ROOM, UNLESS NOTED OTHERWISE.
10. AT ACOUSTICAL TILE CEILINGS,CENTER LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, OTHER CEILING MOUNTED ITEMS IN THE CEILING TILE, UNLESS NOTED OTHERWISE.
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NORTH

A1 FOURTH FLOOR RCP - AREA F
1/8" = 1'-0"

FOURTH FLOOR - AREA F - ENLARGED RCP

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ISSUE DATE: DECEMBER 22, 2025

HOEFER WELKER #: 1259011

GENERAL NOTES - STRUCTURAL

1. General Information

A. The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work before proceeding.
B. The contractor shall coordinate all disciplines, verifying size and location of all openings, whether shown on structural drawings or not, as called for on architectural, mechanical, or electrical drawings. In the case of work in an existing building the contractor shall scan existing structure to locate all rebar in the area of the new core/opening using ground penetrating radar and notify the engineer of record for review prior to coring/cutting. Conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.
C. All design and construction work for this project shall conform to the requirements of the following governing design codes:
1.) International Building Code (IBC 2018) as amended by the city of Lee's Summit, MO.
2.) Minimum Design Loads for Buildings and Other Structures (ASCE7-16)
3.) Structural Welding Code (AWS D1.3-2018)
4.) Building Code Requirements for Structural Concrete (ACI 318-14)
5.) National Design Specification (NDS) for Wood Construction with 2015 Supplements (ANSI/AWC NDS-2015)
6.) Special Design Provisions for Wind and Seismic (AWC SDPWS-2015)
7.) Design and Construction of Post-Tensioned Slabs-on-Ground, 2008
D. These drawings are for this specific project and no other use is authorized.

2. Structural Load Design Criteria

A. Floor Live:
Apartments = 40 psf (plus an additional 15 psf partition)
Stairs = 100 psf
Uninhabitable Atic = 20
Balconies = 60psf
B. Roof Live = 20 psf
C. Snow: Pg = 20 psf, Pf =14 psf, Pm = 20 psf, Is = 1.0, Ce = 1.0, Ct = 1.0, Drift per ASCE/SEI 7
D. Lateral Loads:
1.) Wind: V = 109 mph, Exposure C
Occupancy [Risk] Category II, Iw=1.0 GCpi=+/-0.18
Design wind pressures to be used for the design of exterior component and cladding materials on the designated zones of wall and roof surfaces shall be per section 30.7 and Table 30.7-2 of ASCE/SEI 7. Tabulated pressures shall be multiplied by effective area reduction factors, exposure adjustment factors, and topographic factors where applicable
2.) Seismic: Ss = 0.1, S1 = 0.068
Occupancy [Risk] Category II, Ie=1.0,
Site Classification D; Sds = 0.107; Sd1 = 0.109
Seismic Design Category B
Basic Seismic Force-resisting System:
Light framed walls sheathed with shear panels of all other materials
Equivalent Lateral Force Procedure
R = 2; V = 0.054W; Omega = 2.5; Cd = 2
E. This project is designed to resist the most critical effects resulting from the load combinations of section 1605.3 of the International Building Code.

3. Concrete

A. All concrete for foundations shall develop minimum ultimate compressive design strength of 3500 psi in 28 days, but not less than 500 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 6 gallons of water per 100 pounds of cement and not over 4 inches of slump.
C. All concrete for interior flatwork shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 540 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5.40 gallons of water per 100 pounds of cement and not over 4 inches of slump. Concrete mix shop drawing shall contain testing data proving concrete design mix shrinkage is less than 0.034% at 28 days when tested according to ASTM C157 (air drying method only).
D. All concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 560 pounds of cement per cubic yard of concrete, not over 5 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump.
F. The preceding minimum mix requirements may have water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's dosage rates for improved workability.
G. The preceding minimum mix requirements may have up to 15% maximum of the cement content replaced with an approved ASTM C618 Class C fly ash, provided the total minimum cementitious content is not reduced.
J. All interior concrete slabs on grade shall be placed over 15 mil, Class A Vapor Barrier per ASTM E1745 with less than 0.01 perms, tested after mandatory conditioning. All joints shall be lapped and sealed per manufacturer's recommendations. All penetrations, as well as damaged vapor barrier material shall also be sealed per manufacturer's recommendation prior to concrete placement. Install barrier per manufacturer recommended details at all discontinuous edges (at interior columns, exterior edge of slab, etc.) to ensure terms of warranty are followed. The vapor barrier shall be placed over free-draining granular material as prescribed by the project soils report.
L. All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not otherwise shown with same steel as in similar sections or areas. Any details not shown shall be detailed per ACI 315 and meet requirements of ACI 318, current editions.
M. Control joints in dirt formed slab to be as shown on plans. Where not shown, limit controlled areas to not more than 144 square feet, or 12 feet on any side. Slab panel side ratio shall not exceed 1 1/2 to 1.
N. Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement.
O. Construction joints in beams, slabs, and grade beams shall occur at midspan (middle third) unless noted otherwise. Provide 2 x 4 horizontal keys at construction joints for shear transfer.
P. No aluminum items shall be embedded in any concrete.

4. Reinforcing Steel

A. All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform to the requirements of ASTM A185.
B. Clear minimum coverage of concrete over reinforcing steel shall be as follows:
1.) Concrete placed against earth: 3"
2.) Formed concrete against earth: 2"
3.) Slabs: 1"
4.) Beams or Columns: 1-1/2"
5.) Other 2"
All coverage shall be nominal bar diameter minimum.
C. All dowels shall be the same size and spacing as adjoining main bars (splice lap 48 bar diameters or 30" minimum unless noted otherwise).
D. At corners of all slabs, walls, and continuous foundations, supply corner bars (minimum 2'-6" in each direction or 48 bar diameters) in outside face of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3 - #4 vertical support bars for corner bars.
E. Bars marked continuous and all vertical steel shall be lapped 48 bar diameters (2'-6" minimum) at splices and embedments, unless shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise.
H. Accessories shall be as specified in latest edition of the ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing shall be 4'-0" on center, and all accessories on exposed surfaces are to have plastic coated feet.
I. All slabs and stairs not shown otherwise shall be 6" thick with #4 bars at 12" on center each way. All exterior porches and stoops not otherwise detailed may be constructed in any standard manner, solid or hollow, but must be reinforced with #4 bars at 12" on center each way minimum. Porches shall be doweled to adjacent walls or grade beams with #4 bars at 12" on center, hooked or embedded 48 diameters into both members. Slope porches 1/8" (minimum) per foot for drainage (verify slopes and elevations with architect) unless noted otherwise.

5. Post Installed Anchors

A. Post-installed anchors shall be used only where specified on the drawings unless approved in writing by the engineer of record. See drawings for anchor diameter, spacing and embedment. Performance values of the anchors shall be obtained for specified products using appropriate design procedures and/or standards as required by the governing building code. Anchors installed in concrete shall have an ICC-ES Evaluation Service Report. Special inspection is required for all post installed anchors. The contractor shall coordinate an on-site meeting with the post installed anchor manufacturer field representative to educate the construction team on the anchor installation guidelines and requirements.
B. Mechanical anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ACI 355.2 and ICC-ES AC193. All anchors shall be installed per the anchor manufacturer's written instructions.
C. Adhesive anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ICC-ES AC308. All anchors shall be installed per the anchor manufacturer's written instructions.
D. Mechanical anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES AC01. All anchors shall be installed per the anchor manufacturer's written instructions.
E. Adhesive anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES AC58. All anchors shall be installed per the anchor manufacturer's written instructions.
F. Anchors used in hollow concrete masonry shall have been tested and qualified in accordance with ICC-ES AC106 or ICC-ES AC58 as appropriate. All anchors shall be installed per the anchor manufacturer's written instructions with appropriate screen tubes used for adhesives.

6. Foundations

A. The soil investigation was prepared by CFS Engineers, the report number is 24-5632, and telephone number is (913) 627-9040.
B. Spread footings, grade beams, and retaining walls are designed to bear on a ground improvement system (rammed aggregate piers (RAP's) or Vibratory Stone Columns (VSC)) capable of safely sustaining 4000 psf.
C. Contractor shall provide for dewatering at excavations from either surface water or seepage.
D. All foundation excavations shall be inspected by a qualified soil engineer, approved by the architect and/or structural engineer, prior to placement of steel or concrete. This inspection shall be at the owner's expense.
E. Moisture content in soils beneath building locations should not be allowed to change after footing excavations and after grading for slabs on grade are completed. If subgrade materials become desiccated or softened by water or other conditions, recompact materials to the density and water content specified for engineered fill. Do not place concrete on frozen ground.

7. Timber and Wood Framing

A. Quality and construction of wood framing members and their fasteners for load supporting purposes not otherwise indicated on the drawings shall be in accordance with the International Building Code.
B. All studs and top and bottom plates shall be Douglas Fir No. 2 grade visually graded lumber, with an allowable fiber stress in bending of 900 psi minimum and an elastic modulus of 1,600,000psi unless noted otherwise. All joist, truss members, and headers to be No. grade 2 (min.) unless noted otherwise. All lumber for exterior decks and balconies shall be treated Southern Yellow Pine No. 2 grade.
C. Blocking of stud bearing walls and shear walls shall be solid, matching sheathing joints.
D. Joist blocking and bridging shall be solid wood or cross bridging of either wood or metal straps. Spacing, in any case, shall not exceed 8'-0".
E. Wood members and sheathing shall be fastened with number and size of fasteners not less than that set forth in Table 2304.9.1 of the International Building Code. Floor sheathing shall be APA rated tongue and groove Sturd-I-Floor, exposure 1, glued and nailed with 8d ring shank nails or # 10 screws at 12" on center to all supports. Sheathing of shear walls or roof diaphragms shall be edge nailed with 8d common nails at 6" on center and nailed to intermediate framing and/or blocking members with 8d common nails at 12" on center unless otherwise noted on the drawings. All floor sheathing shall be installed with 1/8 inch gaps between panel edges and end joints.
F. Sill plates shall be bolted to concrete walls or steel beams with 1/2" diameter bolts at 32" on center. Sill plates in direct contact with concrete or masonry shall be treated lumber.
G. Joist hangers shall have Uniform Building Code approval and shall be equal to Simpson Strong Tie "LUS" for wood application and "LB" for steel weld-on application.
H. Service condition - dry with moisture content at or below 19% in service.
I. Laminated veneer lumber (LVL) shall have an allowable flexural stress (Fb) of 2,600 psi (reduced by size factor) and an elastic modulus (E) of 1,900,000 psi.
J. Glulam members shall have an allowable flexural stress (Fb) of 3,000 psi and an elastic modulus (E) of 2,100,000 psi.
K. Pre-engineered wood trusses shall be designed in accordance with the Truss Plate Institute's national design standard for metal-plate connected wood truss construction (ANSI/TPI-1 latest edition). Trusses shall be designed and manufactured by an authorized member of the Wood Truss Council of America (WTCA). Truss design shall conform to specified codes, allowable stress increases, deflection limitations and other applicable criteria of the governing code.
L. Shop drawings showing complete erection and fabrication details and calculations (including connections) shall be submitted to the project architect/engineer for review prior to fabrication and/or erection. Such drawings shall bear the seal of a professional engineer, registered in the state of the project location. Shop drawings shall also be submitted to the local government controlling agency when requested by that agency.
M. All trusses shall be securely braced both during erection and permanently, as indicated on the approved truss design drawings and in accordance with TPI's commentary and recommendations for handling, installing and bracing metal-plate connected wood trusses (HIB-91, booklet) and the latest edition of ANSI/TPI-1.
N. The truss manufacturer shall supply all hardware and fasteners for joining truss members together and fastening truss members to their supports. Metal connector plates shall be manufactured by a member of the Wood Truss Council of America (WTCA) and shall be 20 gauge minimum. Connector plates shall meet or exceed ASTM A653, grade 33, with ASTM A924 galvanized coating designation G60.
O. Shipment, handling, and erection of trusses shall be by experienced, qualified persons and shall be performed in a manner so as not to endanger life or property. Apparent truss damage shall be reported to the truss manufacturer for evaluation prior to erection. Cutting or alteration of trusses is not permitted.
P. Contractor shall coordinate truss layout for openings and penetrations required by other trades including for plumbing, HVAC, electrical, roof access hatches, chases, etc.
Q. Pre-engineered floor truss and I-Joist design load and deflection criteria are as follows:

Top Chord Dead Load	= 20 psf
Top Chord Live Load	= Per General Note 2A
Bottom Chord Dead Load	= 5 psf
Allowable Total Load Deflection	= L/360
Allowable Live Load Deflection	= L/480; ½" maximum

R. Pre-engineered roof truss design load and deflection criteria are as follows:

Top Chord Dead Load	= 15 psf
Top Chord Live Load	= 20 psf
Bottom Chord Dead Load	= 10 psf
Bottom Chord Live Load	= 20 psf (non-concurrent with top chord live load)
Allowable Total Load Deflection	= L/300
Allowable Live Load Deflection	= L/360

Roof trusses shall be designed for wind uplift loads as determined by the procedure outlined in ASCE7. Dead load used for uplift load combinations shall be 10 psf top chord and 5 psf bottom chord.

8. Shop Drawing Review

A. Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by Bob D. Campbell and Company, Inc.
B. Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall:
1.) Review each submission for conformance with the means, methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC.
2.) Review and approve each submission.
3.) Stamp each submission as approved.
C. Bob D. Campbell and Company, Inc. shall assume that no submission comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation.
D. Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that each submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submissions without GC approval stamp.
E. Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to perform the review, Bob D. Campbell and Company, Inc. shall so notify the GC.
1.) Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after placement.
2.) Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct quantities.
3.) Construction and control joint plans and/or elevations.
4.) Miscellaneous anchors shown on the structural drawings.
5.) Wood truss design calculations and detailed erection and fabrication drawings. Standard stick framing shop drawings need not be submitted.
6.) Post tensioned tendon layout, details, accessories, and elongation calculations.

9. Statement of Structural Special Inspections

A. The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the International Building Code. The owner shall employ one or more qualified special inspectors to provide the required special inspections.
B. The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person.
C. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority, building official and structural engineer.
D. The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the building code.
E. The following inspections and tests are required with the frequency (continuous or periodic) as defined within the referenced section or standard listed below. The General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and provide access for those inspections.
1.) Shop Fabrication – pre-engineered wood trusses per Section 1704.2.5 unless TPI certified shop
2.) Concrete Construction per Section 1705.3 and Table 1705.3
a. Reinforcing Steel Placement
b. Reinforcing Steel Welding
c. Cast in Place Anchors
d. Post Installed Anchors
e. Design Mix Verification
f. Concrete Sampling and Testing
g. Concrete Placement
h. Concrete Curing
i. Formwork Shape, Location and Dimensions
3.) Verification of Soils per Table 1705.6
4.) Wood Lateral System (periodic)
a. Wood shearwalls (include sheathing, rim board and bottom plate attachments)
b. Portal frames
c. Shear wall and portal frame holdowns
d. Shear wall tension rod system
5.) Wood Gravity Framing and Placement (adjust frequency of random sampling where indicated as required)
a. Heavy timber/SCL/glulam beams and supports (periodic)
b. Headers and jambs (random sampling)
c. Bearing walls (random sampling)
d. Connector/hardware installation (random sampling)
e. Floor and roof trusses (random sampling)

10. Copyright and Disclaimer

A. All drawings in the structural set (S-series drawings) are the copyrighted work of Bob D. Campbell and company, Inc. These drawings may not be photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding, and construction. Subcontractors may not reproduce these drawings for any purpose or in any manner.
B. I, Brandon Ford, P.E., registered engineer and a representative of Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of S-series drawings. I hereby disclaim responsibility for all other drawings in the construction document package, they being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction document package.

STRUCTURAL SHEET LIST

Sheet Number	Sheet Name	Current Revision	Current Revision Date
S-001	GENERAL NOTES		
S-002	SCHEDULES		
S-003	BUILDING DESIGN LOADS		
S-004	PRIMARY GRID GEOMETRY PLAN - OVERALL		
S-005	SECONDARY GRID GEOMETRY PLAN - OVERALL		
S-010	STEEL SECTIONS		
S-020	TYPICAL WOOD DETAILS & SCHEDULES		
S-021	WOOD SCHEDULES		
S-022	TYPICAL WOOD DETAILS		
S-023	TYPICAL WOOD DETAILS		
S-024	TYPICAL WOOD DETAILS		
S-025	TYPICAL WOOD DETAILS		
S-026	TYPICAL WOOD DETAILS		
S-101	FIRST FLOOR FOUNDATION PLAN - OVERALL		
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S-103	THIRD FLOOR FRAMING PLAN - OVERALL		
S-104	FOURTH FLOOR FRAMING PLAN - OVERALL		
S-105	ROOF FRAMING PLAN - OVERALL		
S-106	SHEAR AND BEARING WALL PLAN - OVERALL		
S-111A	FIRST FLOOR FOUNDATION PLAN - AREA A		
S-111B	FIRST FLOOR FOUNDATION PLAN - AREA B		
S-111C	FIRST FLOOR FOUNDATION PLAN - AREA C		
S-111D	FIRST FLOOR FOUNDATION PLAN - AREA D		
S-111E	FIRST FLOOR FOUNDATION PLAN - AREA E		
S-111F	FIRST FLOOR FOUNDATION PLAN - AREA F		
S-112A	SECOND FLOOR FRAMING PLAN - AREA A		
S-112B	SECOND FLOOR FRAMING PLAN - AREA B		
S-112C	SECOND FLOOR FRAMING PLAN - AREA C		
S-112D	SECOND FLOOR FRAMING PLAN - AREA D		
S-112E	SECOND FLOOR FRAMING PLAN - AREA E		
S-112F	SECOND FOOR FRAMING PLAN - AREA F		
S-113A	THIRD FLOOR FRAMING PLAN - AREA A		
S-113B	THIRD FLOOR FRAMING PLAN - AREA B		
S-113C	THIRD FLOOR FRAMING PLAN - AREA C		
S-113D	THIRD FLOOR FRAMING PLAN - AREA D		
S-113E	THIRD FLOOR FRAMING PLAN - AREA E		
S-113F	THIRD FLOOR FRAMING PLAN - AREA F		
S-114A	FOURTH FLOOR FRAMING PLAN - AREA A		
S-114B	FOURTH FLOOR FRAMING PLAN - AREA B		
S-114C	FOURTH FLOOR FRAMING PLAN - AREA C		
S-114D	FOURTH FLOOR FRAMING PLAN - AREA D		
S-114E	FOURTH FLOOR FRAMING PLAN - AREA E		
S-114F	FOURTH FLOOR FRAMING PLAN - AREA F		
S-115A	ROOF FRAMING PLAN - AREA A		
S-115B	ROOF FRAMING PLAN - AREA B		
S-115C	ROOF FRAMING PLAN - AREA C		
S-115D	ROOF FRAMING PLAN - AREA D		
S-115E	ROOF FRAMING PLAN - AREA E		
S-115F	ROOF FRAMING PLAN - AREA F		
S-116A	SHEAR AND BEARING WALL PLAN - AREA A		
S-116B	SHEAR AND BEARING WALL PLAN - AREA B		
S-116C	SHEAR AND BEARING WALL PLAN - AREA C		
S-116D	SHEAR AND BEARING WALL PLAN - AREA D		
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S-501	ROOF FRAMING SECTIONS		
S-502	ROOF FRAMING SECTIONS		
S-503	ROOF FRAMING SECTIONS		
S-504	ROOF FRAMING SECTIONS		
S-505	ROOF FRAMING SECTIONS		
S-506	ROOF FRAMING SECTIONS		
S-507	ROOF FRAMING SECTIONS		

REBAR DEVELOPMENT LENGTH AND LAP SPLICE SCHEDULE

CONCRETE STRENGTH = 3500 psi (Min.)

CASE / BAR SIZE	DEVELOPMENT LENGTH OR CLASS A LAP		CLASS B LAP	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	20	16	26	20
#4	27	21	35	27
#5	33	26	43	33
#6	40	31	52	40
#7	58	45	75	58
#8	66	51	86	66
#9	75	58	97	75
#10	84	65	109	84
#11	93	72	121	93

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

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GENERAL NOTES

NAILING SCHEDULE (REFER TO NOTES #1 and #2)

CONNECTION	ATTACHMENTS	(REF NOTE #3 and #4)
JOIST TO SILL OR GIRDER	3- 3" x 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL
BRIDGING TO JOIST	2- 3" x 0.131" NAILS-TOENAIL EACH END	2-8d NAILS-TOENAIL EACH END
SOLE PLATE TO JOIST OR BLOCKING	3" x 0.131" NAILS AT 8"o.c.- TYPICAL FACE NAIL 4-3" x 0.131" NAILS AT 6"o.c. BRACED WALL PANELS	16d BOX NAILS AT 16"o.c. MAX. FACE NAILING 3-16d BOX NAILS AT 16"o.c. BRACED WALL PANEL
TOP PLATE TO STUD	3- 3" x 0.131" NAILS-END NAIL	2-16d NAILS-END NAIL
STUD TO SOLE PLATE	4- 3" x 0.131" NAILS-TOENAIL OR 3- 3" x 0.131" NAILS-END NAIL	4-8d NAILS-TOENAIL OR 2-16d NAILS-END NAIL
DOUBLE STUDS	3" x 0.131" NAILS AT 8"o.c.-FACE NAIL	16d BOX NAILS AT 24"o.c. MAX. FACE NAIL
DOUBLED TOP PLATES	3" x 0.131" NAILS AT 12"o.c.-FACE NAIL	16d BOX NAILS AT 16"o.c. MAX. FACE NAIL
DOUBLE TOP PLATE LAPS AND INTERSECTIONS	12-3" x 0.131" NAILS	8-16d NAILS
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-3" x 0.131" NAILS -TOENAIL	3-8d NAILS-TOENAIL
RIM JOIST TO TOP PLATE	3" x 0.131" NAILS AT 6"o.c.-TOENAIL	8d NAILS AT 6"o.c. MAX.-TOENAIL
TOP PLATE LAPS AND INTERSECTIONS	3- 3" x 0.131" NAILS-FACE NAIL	2-16d NAILS-FACE NAIL
CONTINUOUS HEADER, TWO PIECES	3" x 0.131" NAILS AT 10"o.c. ALONG EACH EDGE	16d NAILS AT 16"o.c. MAX. ALONG EACH EDGE-TOENAIL
CEILING JOISTS TO PLATE	5- 3" x 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL
CONTINUOUS HEADER TO STUD	4- 3" x 0.131" NAILS-TOENAIL	4-8d NAILS-TOENAIL
CEILING JOISTS, LAPS OVER PARTITIONS	4- 3" x 0.131" NAILS-FACE NAIL	3-16d NAILS-FACE NAIL
CEILING JOISTS TO PARALLEL RAFTERS	4- 3" x 0.131" NAILS-FACE NAIL	3-16d NAILS-FACE NAIL
RAFTER TO PLATE	3- 3" x 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL
1" BRACE TO EACH STUD AND PLATE	2- 3" x 0.131" NAILS-FACE NAIL	2-8d NAILS-FACE NAIL
BUILT-UP CORNER AND MULTIPLE STUDS	3" x 0.131" NAILS AT 16"o.c. (RE. 3/S0.03)	16d NAILS AT 24"o.c. MAX. (RE. 3/S0.03)
BUILT-UP GIRDER AND BEAMS	RE. 5 AND 6 ON SHEET S0.03	RE. 5 AND 6 ON SHEET S0.03
BUILT-UP LAMINATED VENEER LUMBER BEAMS	3" x 0.131" NAILS AT 6"o.c. TOP AND BOTTOM ALONG EDGE	16d NAILS AT 12"o.c. TOP AND BOTTOM ALONG EDGE
2" PLANKING	4- 3" x 0.131" NAILS AT EACH SUPPORT	16d NAILS AT EACH SUPPORT

NOTES:
1.) ALL NAILS SHALL BE AS NOTED UNLESS OTHERWISE SPECIFIED ON STRUCTURAL DRAWINGS OR
ALTERNATE PROVIDED BY ENGINEER IN WRITING.
2.) CONDITIONS NOT SPECIFIED SHALL BE IN ACCORDANCE WITH CURRENT INTERNATIONAL BUILDING CODE. 3.) NAILING
DESIGNATION:

4 - 3" x 0.131" NAILS
- DIAMETER IN INCHES
- NAIL LENGTH
- QUANITY

4.) ALL NAILS NOTED AS 8d, 10d, 16d, ETC. SHALL BE COMMON NAILS UNLESS NOTED BOX.

PLAN NOTES:

A1 — 18" DEEP PRE-ENGINEERED FLOOR TRUSSES @ 24"oc

A2 — SPANS UP TO 10ft: 2x10 CORRIDOR JOISTS @ 16"oc w/ LUS28 EA END
SPANS UP TO 14ft: 1.75"x9.25" LVL JOISTS @ 16"oc w/ HUS1.81/10 EA END
SPANS UP TO 16ft: 1.75"x9.25" LVL JOISTS @ 12"oc w/ HUS1.81/10 EA END

A3 — (2) 2x10 GIRDER W/ LUS28-2 EA END AND (3) 2x STUD PACK BELOW

B1 — DELEGATED DESIGN ALUMINUM BALCONY

B2 — (4) 2x6 STUD PACK (MIN.) AT TIE-BACK LOCATION OF ALUMINUM BALCONIES. REFER TO MANUF SHOP DRAWINGS FOR EXACT LOCATION AND TIE-BACK CONNECTION.

B3 — (4) 2x6 STUD PACK (MIN.) AT ALUMINUM BALCONY SUPPORT LOCATION. COORDINATE EXACT LOCATION WITH BRACKET ATTACHMENT PER MANUF SHOP DRAWINGS

B4 — ALUMINUM BALCONY COLUMN BY DELEGATED DESIGN

B5 — ALUMINUM JULIETTE BALCONY BY DELEGATED DESIGN

B6 — UPSET 5 1/2"x18" GLULAM GIRT, 12' Lg ATOP BALCONY DIVIDER WALL w/ ± 6ft. BACKSPAN INTO FLOOR SYSTEM & 1.25x18" LSL EACH SIDE ATOP UNIT DEMISING WALL. RE____

C1 — PRE-ENGINEERED ROOF TRUSSES @ 24"o.c.

C2 — PRE-ENGINEERED ROOF GIRDER TRUSS w/ TRUSS TO TRUSS CONN. BY TRUSS SUPPLIER OR H10S @ SINGLE PLY TRUSS, LGT2 @ TWO-PLY TRUSSES. PROVIDE (2) 2x BEARING STUDS (MIN) @ SUPPORTS

D1 — 2x10 EXTERIOR DECK JOISTS @ 16"oc w/ LUS28 EA END @ SPANS UP TO 9ft (12"oc @ SPANS UP TO 12ft: 1.75"x9.25" LVL W/ HUS1.81/10 @ 16"oc @ SPANS UP TO 14ft)

E1 — UPSET (3) 1.75"x18" LVL w/ (4) 2x6 BRG. EACH END.

E2 — UPSET (2) 1.75"x18" LVL w/ (4) 2x6 BRG. EACH END.

F1 — UPSET (3) 1.75"x18" LVL w/ STEEL SADDLE PER 10/S-010 AND (4) 2x6 OR (5) 2x4 STUD BRG @ WALLS

S1 — UPSET 3 1/2"x18" GLULAM w/ HB3.56/18 EACH END.

S2 — UPSET 3 1/2"x18" GLULAM w/ BEARING STUDS AS FOLLOWS:
LEVEL 2 WALLS: (3) 2x6
LEVEL 1 WALLS: (4) 2x6

S3 — UPSET (2) 1 3/4"x18" LVL x 8'-0" TO BRACE STAIR END WALL. SCAB ADDITIONAL LVL @ 2x6 EXTERIOR WALL.

S4 — UPSET (3) 1 3/4"x18" LVL GIRT AT STAIR END WALL. EXTEND TO END OF BAY w/ (6) 8" FACE SCREWS TO END OF PERPEDICULAR "S3" BEAM.

S5 — 4x4 WOOD STUB COL w/ BC4 CAP AND BASE

S6 — 18" PRE-ENG. TRUSSES w/ HU48 TO BM SUPPORTS & DGT3.62/18 TO WALLS

S7 — 2x12 JOISTS @ 16"oc w/ LUS210 TO HEADER EA. END

S8 — DOWNSET (2) 1.75"x14" LVL STAIR SIDE BEAM w/ (3) STUDS BRG. IN WALL & FACE MOUNT THA26 HANGER FROM SUPPORTING BEAM ABOVE.

S9 — (2) 1.75"x11.25" LVL @ LOWER LANDING OVERBUILD w/ HU410 HANGER TO FLOOR BEAM & (3) STUD BRG. IN WALL

STRUCTURAL DECK & SLAB SCHEDULE

MARK	DESCRIPTION
FD-1	3/4" GYPCRETE ATOP 23/32" T&G PLYWOOD SHEATHING. SHEATHING SHALL BE GLUED AND NAILED W/ 8d RING SHANK NAILS OR #10 SCREWS @ 6"o.c. @ EDGES & 12"o.c. AT FIELD.
4" SOG	4" CONC. SLAB, ATOP VAPOR BARRIER PER GENERAL NOTES, ATOP 6" GRANULAR LEVELING COURSE, ATOP 18" OF LOW VOLUME CHANGE METERIAL PER GEOTECH REPORT. REINF. SLAB WITH 6x6-W2.9xW2.9 WWF MID-DEPTH.
4" EXT SOG	4" CONC. SLAB (AIR ENTRAINED), ATOP 6" GRANULAR LEVELING COURSE, ATOP 18" OF LOW VOLUME CHANGE METERIAL PER GEOTECH REPORT. REINF. SLAB WITH #4 @ 16"oc EACH WAY MID-DEPTH (OR WWF PER '4" SOG'). T/SLAB EL. = VARIES W/ SLOPE, RE: ARCH/CIVIL DRAWINGS
RD-1	15/32" PLYWOOD SHEATHING (USE 19/32" SHEATHING @ LOW SLOPED ROOFS) ATTACHED WITH 8d NAILS OR #10 SCREWS (SCREWS REQ'D @ TPO/LOW SLOPED ROOFS) @ 6"o.c. AT EDGES & 12"o.c. AT FIELD.

NOTES:
1. FD = FLOOR DECK TYPE.
2. CD = CONCRETE DECK TYP.
3. SOG = SLAB-ON-GRADE TYP.
4. RD = ROOF DECK TYP.
5. REFER TO NOTE 10.T ON SHEET S0.01 FOR FIRE - RETERDANT TREAD SHEATHING REQUIREMENTS.

PLAN SYMBOLS LEGEND

MARK	DESCRIPTION
TYPE 100'-0"	SLAB ON GRADE TYPE AND ELEVATION. REFER TO PLAN OR DECK SCHEDULE FOR DESCRIPTION.
	SPAN DIRECTION DECK. REFER TO PLAN OR DECK SCHEDULE FOR DECK TYPE
A#-#	BEAM OR HEADER PER SCHEDULE ON S0.02
uA#-#	UPSET BEAM OR HEADER PER SCHEDULE ON S0.02
#	BEARING WALL TYPE PER SCHEDULE ON S0.02
X	HOLDOWN TYPE PER SCHEUDLE ON S0.08
SW-#	SHEAR WALL TYPE PER SCHEDULE ON S0.08
X	PLAN NOTE PER SCHEDULE ON S0.02
#	FOOTING TYPE PER SCHEDULE ON S0.02

Structural Foundation Schedule

NOTE:
1) EXTERIOR FOOTINGS OR FOOTING AT GRADE BEAM SHALL MATCH GRADE BEAM DEPTH AND BE PLACED WITH GRADE BEAM. PROVIDE SPECIFIED REBAR TOP AND BOTTOM WITH 4 STANDEES TO SUPPORT MATS.
2.) PROVIDE REINFORCING PER SCHEDULE EACH WAY IN TOP OF FTG. AT ALL MOMENT FRAME AND BRACED BAY COLUMNS.
3.) CENTER FOOTINGS ON COLUMNS AND/OR WALL CENTER LINES PER PLAN UNLESS NOTED OTHERWISE (U.N.O.).

Type Mark	Length	Width	Footing Thickness	Bottom Bars	Quantity (E.W. Bott)	
3.0	3'-0"	3'-0"	2'-8"	Rebar : # 6	13	
3A	3'-0"	3'-0"	2'-8"	Rebar : # 4	5	
4	4'-0"	4'-0"	1'-4"	Rebar : # 4	9	

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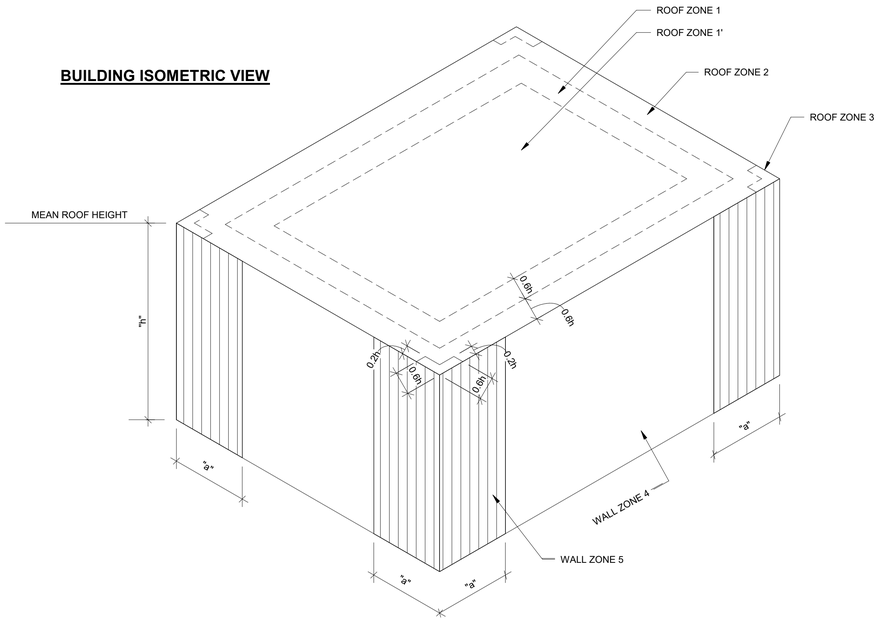
SCHEDULES

ASCE 7-16 BASIC LOAD CASE 1.0W COMPONENT AND CLADDING WIND PRESSURE DIAGRAM NOTES:

1. REFER TO GENERAL NOTES FOR WIND LOAD DESIGN CRITERIA.
2. POSITIVE LOADS ACT IN A PERPENDICULAR DIRECTION TOWARDS THE SURFACE. NEGATIVE LOADS ACT IN PERPENDICULAR DIRECTION AWAY FROM THE SURFACE.
3. WIND LOADS CALCULATED ARE BASED ON THE PROVISIONS OF ASCE 7. VALUES SHOWN ARE DETERMINED ASSUMING AS ENCLOSED BUILDING WITH AN INTERNAL PRESSURE COEFFICIENT = +/- 0.18 AND A Kd FACTOR = 0.85. LOADS SHOWN ARE FROM UNFACTORED BASIC LOAD CASE
4. LINEAR INTERPOLATION IS PERMITTED FOR TRIBUTARY AREAS BETWEEN VALUES GIVEN.
5. "a" SHALL BE THE LESSER OF 10 PERCENT OF THE LEAST HORIZONTAL DIMENSION OR 0.4x"h", BUT NOT LESS THAN 4 PERCENT OF THE LEAST HORIZONTAL DIMENSION OR 3 FT.
6. FIGURES SHOWN ARE ILLUSTRATIVE ONLY AND ARE NOT INTENDED TO DEPICT THE ACTUAL STRUCTURE DIMENSIONS.
7. ALL DESIGNERS USINGING THIS WIND LOAD DIAGRAM MUST INDEPENDENTLY VERIFY THE DESIGN PRESSURES BASED ON THE APPLICABLE BUILDING CODE.
8. ROOF PRESSURES ARE FOR FLAT ROOF ONLY. WIND LOADS FOR THE DESIGN OF SLOPED ROOFS (WITH ANGLES GREATER THAN 10 DEGREES) SHALL BE OBTAINED USING THE PROVISIONS OF ASCE 7-16.
9. PARAPETS SHALL BE DESIGNED FOR COMPONENTS AND CLADDING LOADS PER ASCE 7 SECTION 6.5.12.4.4. IF A PARAPET 3'-0" OR HIGHER OCCURS AROUND THE PERIMETER OF THE ROOF, ZONE 3 MAY BE TREATED AS ZONE 2 FOR ROOF PRESSURE AND SUCTION.

BUILDING ISOMETRIC VIEW

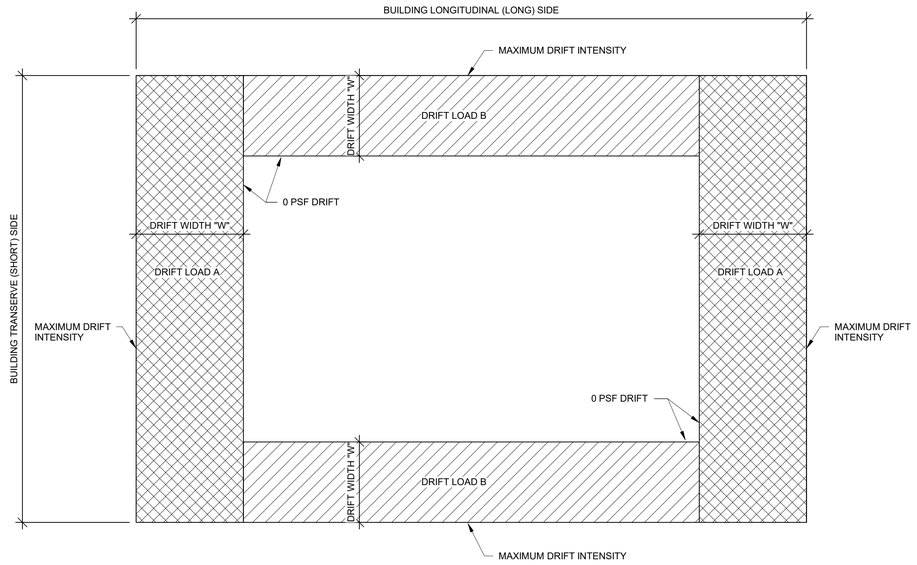


FLAT ROOF (SLOPE LESS THAN 3 DEGREES)
BUILDING COMPONENT AND CLADDING
DESIGN WIND PRESSURES (+) AND SUCTION (-) (PSF)

EFFECTIVE AREA (SQ. FT.)	10		20		50		100		200		500		1000	
ZONE 1	-35.7	9.4	-33.8	8.4	-30.0	7.9	-28.1	7.5	-26.3	7.5	-22.5	7.5	-22.5	7.5
ZONE 1'	-20.6	9.4	-20.6	8.4	-20.6	7.9	-20.6	7.5	-17.8	7.5	-14.1	7.5	-11.5	7.5
ZONE 2	-46.9	9.4	-44.1	8.4	-40.3	7.9	-37.5	7.5	-33.8	7.5	-30.0	7.5	-30.0	7.5
ZONE 3	-63.8	9.4	-58.2	8.4	-50.7	7.9	-44.1	7.5	-37.5	7.5	-30.0	7.5	-30.9	7.5
ZONE 4	-24.4	22.5	-23.5	22.5	-22.5	21.6	-20.6	18.8	-19.7	18.8	-18.8	18.8	-18.8	15.6
ZONE 5	-30.0	22.5	-28.1	22.5	-25.3	21.6	-23.5	18.8	-21.6	18.8	-18.8	18.8	-18.8	15.6

1 BUILDING COMPONENTS & CLADDING WIND LOADS DIAGRAM
1/8" = 1'-0"

BUILDING PLAN VIEW



DRIFT LOAD CHART

DRIFT LOAD TYPE	DRIFT MAX INTENSITY (PSF)	DRIFT WIDTH "W"
DRIFT A	-	-
DRIFT B	-	-
DRIFT C	-	-

SNOW DRIFT LOAD DIAGRAM NOTES:

1. GROUND SNOW LOAD AND FLAT SNOW LOADS ARE INDICATED IN GENERAL NOTE 2 ON SHEET S001.
2. SNOW DRIFT LOAD IS IN ADDITION TO THE GROUND SNOW LOAD INDICATED IN GENERAL NOTE 2 ON SHEET S001.
3. ROOF FRAMING MEMBERS DESIGNED BY SUPPLIER SHALL BE DESIGNED FOR THE WORST CASE LOAD EFFECTS RESULTANT FROM GROUND SNOW, UNBALANCED SNOW, SNOW DRIFT, AND RAIN-ON-SNOW LOADS TAKEN
4. DRIFT LOAD "C" IS TO BE APPLIED AGAINST ROOF PROJECTIONS (SCREENS, RTUS, STAIR TOWERS) GREATER THAN COMBINATION AS REQUIRED BY ASCE 7. 15 FEET IN LENGTH

4 SNOW DRIFT LOAD DIAGRAM
1/8" = 1'-0"

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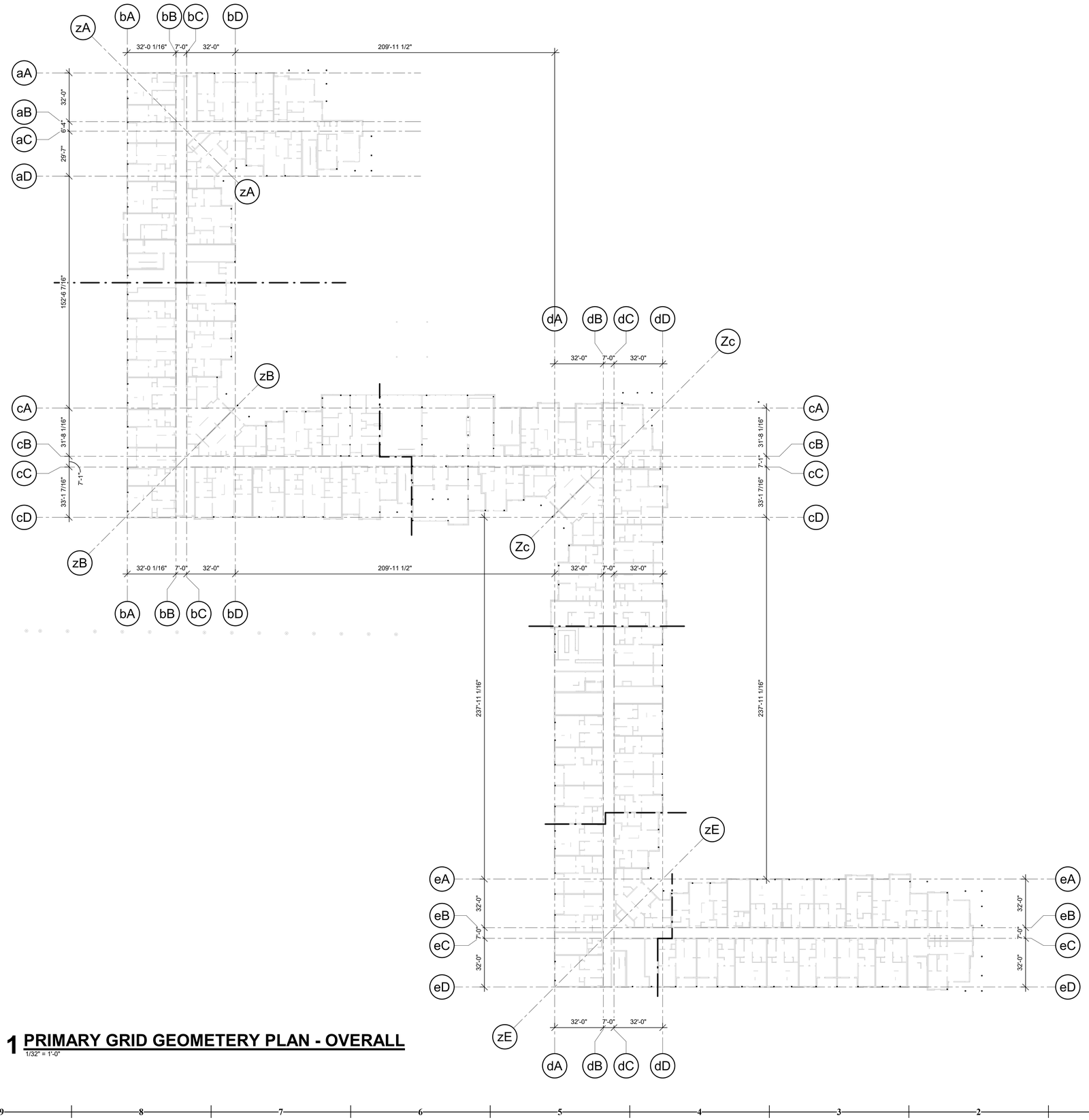
BUILDING DESIGN LOADS



1 PRIMARY GRID GEOMETERY PLAN - OVERALL

1/32" = 1'-0"

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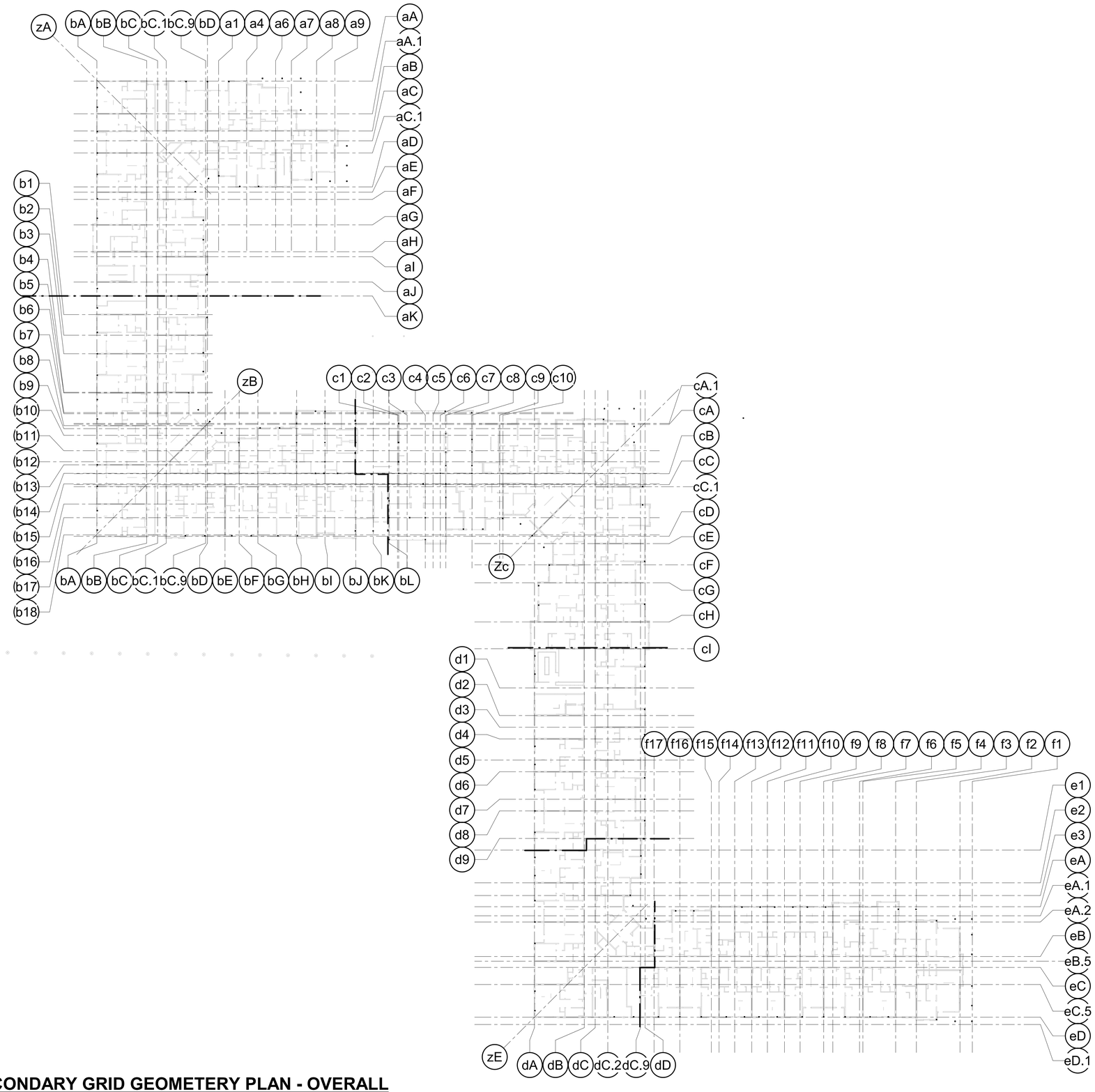
PRIMARY GRID GEOMETERY PLAN - OVERALL



1 SECONDARY GRID GEOMETERY PLAN - OVERALL

1/32" = 1'-0"

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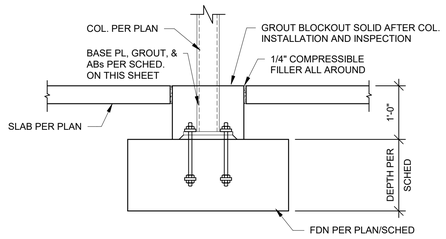
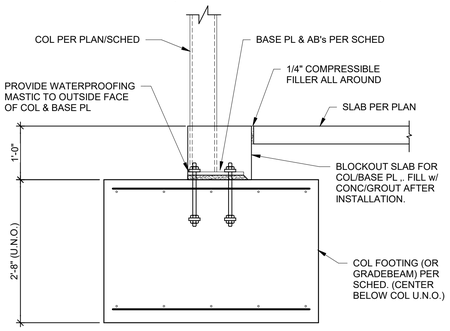
HOEFER WELKER #: 1259011

SECONDARY GRID GEOMETERY PLAN - OVERALL



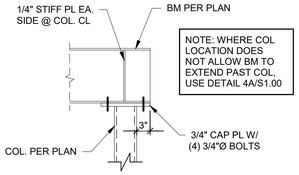
TYPICAL INTERIOR COLUMN FOUNDATION

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



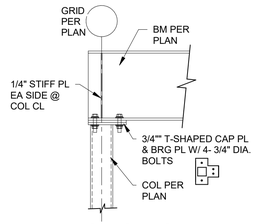
TYPICAL EXTERIOR COLUMN FOUNDATION

1A SECTION 3/4" = 1'-0"

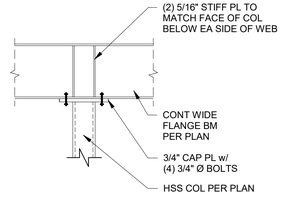


TYPICAL BEAM TO COLUMN CONNECTION @ DISCONTINOUS BEAMS

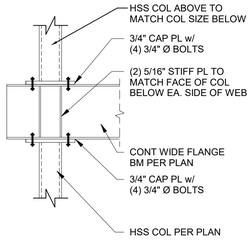
2 SECTION 3/4" = 1'-0"



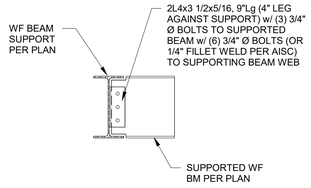
2A SECTION 3/4" = 1'-0"



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

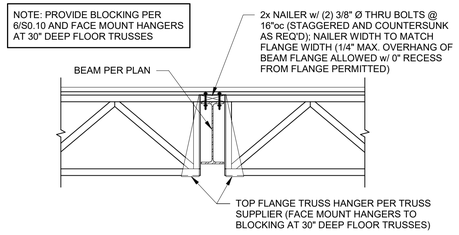


3A SECTION 3/4" = 1'-0"



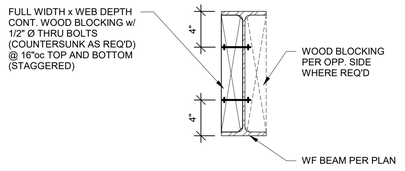
STEEL WF BEAM CONNECTION TO SIDE OF WF BEAM SUPPORT

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



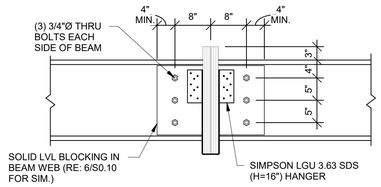
TYPICAL INTERIOR STEEL BEAM SUPPORTING FLOOR TRUSSES

5 SECTION 3/4" = 1'-0"



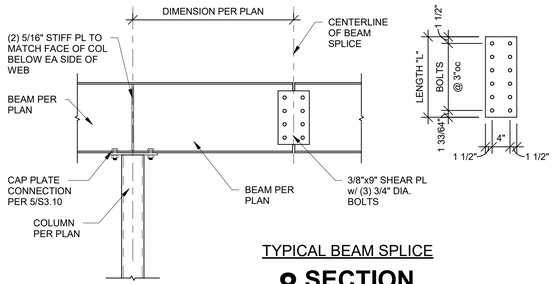
TYPICAL WIDE FLANGE BEAM WEB BLOCKING WHERE REQUIRED/INDICATED

6 SECTION 1 1/2" = 1'-0"



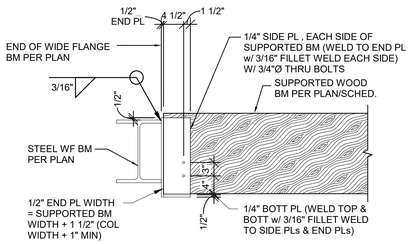
TYPICAL (2) 1 3/4"x24" LVL TO WF CONNECTION

7 SECTION 3/4" = 1'-0"



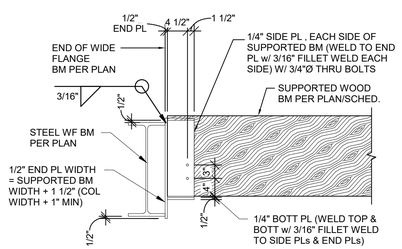
TYPICAL BEAM SPLICE

8 SECTION 3/4" = 1'-0"



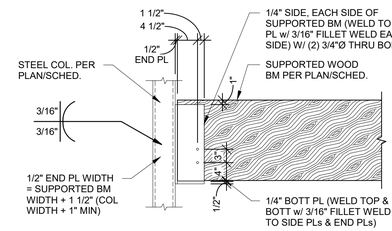
TYPICAL STEEL SADDLE CONNECTION OF WOOD BEAM TO SIDE OF SHALLOW WF BEAM

9A SECTION 3/4" = 1'-0"



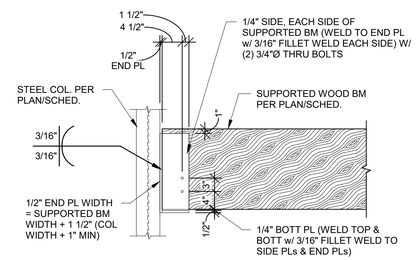
TYPICAL STEEL SADDLE CONNECTION OF WOOD BEAM TO SIDE OF DEEP WF BEAM

9B SECTION 3/4" = 1'-0"



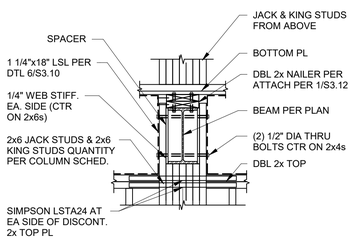
TYPICAL STEEL SADDLE CONNECTION OF WOOD BEAM TO SIDE OF HSS COLUMN

10 SECTION 3/4" = 1'-0"



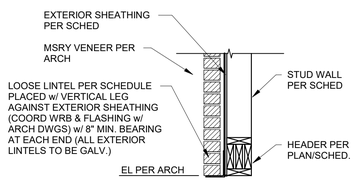
TYPICAL STEEL SADDLE CONNECTION OF WOOD BEAM TO SIDE OF WIDE FLANGE COLUMN

10A SECTION 3/4" = 1'-0"



BEAM BEARING ON WOOD

11 DETAIL 3/4" = 1'-0"



TYPICAL LOOSE LINTEL DETAIL

12 SECTION 3/4" = 1'-0"

LOOSE LINTEL SCHEDULE	
FOR OPENINGS:	GALV. ANGLE
LESS THAN 6'-0"	5"x3 1/2"x5/16" (LLV)
6'-0" < OPENING < 9'-0"	6"x3 1/2"x5/16" (LLV)

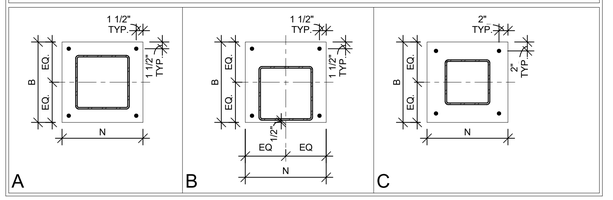
COLUMN BASE PLATE SCHEDULE

TYPE	COLUMN	BASE PLATE (txBxN)	SHAPE	ANCHOR RODS	EMBEDMENT
1	HSS5X5	3/4"x11"x11"	A	(4) 3/4" DIA.	12"
2	HSS4X4	1/2"x10"x10"	B	(4) 3/4" DIA.	12"
3	HSS5X5	3/4"x11"x11"	B	(4) 3/4" DIA.	12"
4	HSS10X10	1 1/2"x20"x20"	C	(4) 1 1/4" DIA.	18"

NOTES:

1. SEE PLAN FOR ORIENTATION OF COLUMNS.
2. U.N.O. ALL THREADED ROD A.B's SHALL BE F1554 (36ksi) MATERIAL.
3. ANCHOR SHALL BE DRILLED & EPOXIED INTO FOUNDATION W/ MIN. EMBEDMENT AS INDICATED W/ HILTI HIT-HY 200 OR EQ.
4. ALL COLUMN BASE PLATES TO BE SET ON 1 1/2" NON-SHRINK GROUT (U.N.O.)

BASE PLATE SHAPE (NOT TO SCALE)



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STATE OF MISSOURI — BRANDON M. FORD — NUMBER PE-2010021911 — PROFESSIONAL ENGINEER
12-22-2025

PERMIT SET

OLDHAM VILLAGE
1100 SW JEFFERSON ST
LEE'S SUMMIT, MO 64081

REVISION DATES:

INTERIM REVIEW ONLY
(Document Incomplete)
Not to be used for regulatory approval, permit, or construction.

Architect Of Record:
Hoefer Welker

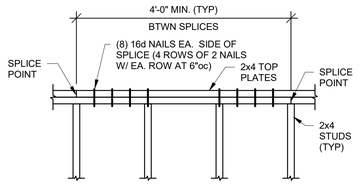
PROFESSIONAL SEAL

S-010

ISSUE DATE: DECEMBER 22, 2025

HOEFER WELKER #: 1259011

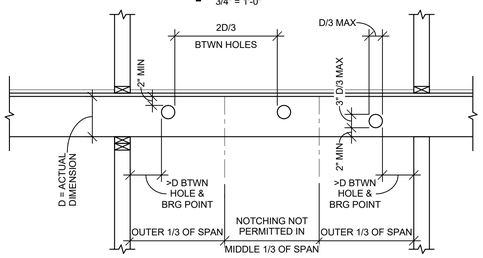
STEEL SECTIONS



(TYP)TOP PLATE SPLICE

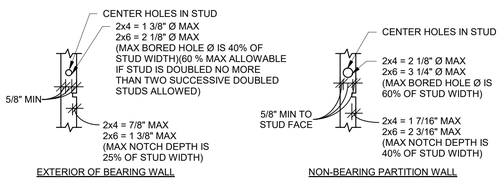
NOTES:
1. INSTALL ENDS OF TOP PLATES TIGHT FOR COMPRESSION CHORD AXIAL FORCE.
2. PROVIDE STRAPS PER DETAIL 1A WHERE THIS DETAIL IS NOT SATISFIED.

1 DETAIL
3/4" = 1'-0"



NOTE:
1. CONTACT ARCHITECT PRIOR TO CUTTING JOISTS TO VERIFY SIZE AND LOCATION
2. DETAIL APPLIES TO 2x FRAMING ONLY. REFER TO ENGINEERED OR COMPOSITE LUMBER MANUFACTURER'S RECOMMENDATIONS AT PSL's, LVL's, LSL's & GLULAM's

3 DETAIL
3/4" = 1'-0"



EXTERIOR OF BEARING WALL — NON-BEARING PARTITION WALL

TYPICAL NOTES FOR BEARING WALLS
1. HOLES SHALL NOT BE LOCATED IN THE SAME STUD AS A CUT OR NOTCH
2. CONTACT ARCHITECT PRIOR TO CUTTING OR NOTCHING TO VERIFY SIZE AND LOCATION IF HOLE IS GREATER THAN 20% STUD WIDTH OR NOTCHES GREATER THAN 10% STUD WIDTH ARE REQUIRED IN TWO OR MORE CONSECUTIVE STUDS
3. NOTCHES OR HOLES NOT PERMITTED IN JAMBS, STUD PACKS AND AT ENDS OF SHEARWALLS
4. STUD SHOES ARE NOTE AN ACCEPTABLE REMEDIATION OF OVER-NOTCHED OR OVER-CUT STUDS WITHOUT PRIOR APPROVAL BY EOR

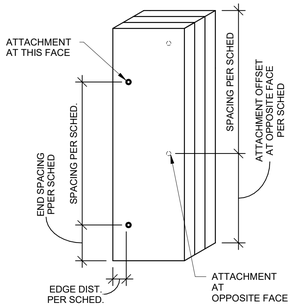
ALLOWABLE HOLES/NOTCHES IN WALL STUDS

2 DETAIL
3/4" = 1'-0"

FLOOR AND ROOF FRAMING HEADERS AND BEAMS SCHEDULE

MARK	HEADER		JAMB TYPE # (U.N.O. W/ COLUMN SCHEDULE)				NOTES
	FLOOR	ROOF	2nd FLR FRAMING, TYP. U.N.O.	3rd FLR FRAMING, TYP. U.N.O.	4th FLR FRAMING, TYP. U.N.O.	ROOF FLR FRAMING, TYP. U.N.O.	
A1-#	(2) 2x8	(2) 2x8	1 JACK / 3 KING	1 JACK / 2 KING	1 JACK / 1 KING	1 JACK / 1 KING	--
A2-#	(2) 1 1/4" x 9 1/4" LVL	(2) 2x8	1 JACK / 3 KING	1 JACK / 2 KING	1 JACK / 1 KING	1 JACK / 1 KING	USE H4 HANGER TO JAMB OF ADJACENT OPNG WHERE SMALLER OPNG JAMB CANNOT BE PROVIDED
B1-#	(3) 2x8	(3) 2x8	1 JACK / 2 KING	1 JACK / 2 KING	1 JACK / 1 KING	1 JACK / 1 KING	--
B2-#	(3) 2x10	(3) 2x8	1 JACK / 3 KING	1 JACK / 2 KING	1 JACK / 1 KING	1 JACK / 1 KING	--
C1-#	(3) 1 1/4" x 9 1/4" LVL	(3) 2x10	2 JACK / 3 KING	2 JACK / 2 KING	2 JACK / 2 KING	1 JACK / 1 KING	
C2-#	(3) 1 1/4" x 11 1/4" LVL	(3) 2x10	2 JACK / 3 KING	2 JACK / 2 KING	2 JACK / 2 KING	1 JACK / 1 KING	
D1-#	(3) 2x8	(3) 2x10	1 JACK / 2 KING	2 JACK / 2 KING	1 JACK / 2 KING	1 JACK / 2 KING	--
D2-#	(3) 2x8	(3) 2x10	1 JACK / 2 KING	1 JACK / 2 KING	1 JACK / 2 KING	1 JACK / 2 KING	--
D3-#	(3) 2x10	(3) 1 1/4" x 9 1/4" LVL	1 JACK / 2 KING	1 JACK / 2 KING	1 JACK / 1 KING		--
D4-#	(3) 2x12	(3) 1 1/4" x 9 1/4" LVL	1 JACK / 3 KING	2 JACK / 2 KING	1 JACK / 2 KING	1 JACK / 1 KING	--
E1-#	(3) 2x12	(3) 2x10	1 JACK / 2 KING	2 JACK / 2 KING	1 JACK / 2 KING		--
E2-#	(3) 2x12	(3) 2x8	1 JACK / 3 KING	2 JACK / 2 KING	1 JACK / 2 KING	1 JACK / 1 KING	--
F1-#	(3) 1 1/4" x 9 1/4" LVL	(3) 2x10	2 JACK / 3 KING	2 JACK / 2 KING	2 JACK / 2 KING	1 JACK / 2 KING	--
F2-#	(3) 1 1/4" x 11 1/4" LVL		2 JACK / 3 KING				
F3-#	(3) 1 1/4" x 14" LVL		3 JACK / 3 KING				
H1-#	1 1/4" x 18" LSL RIM w/ LADDER TRUSS	GIRDER TRUSS	4 KING	4 KING	3 KING	3 KING (RE: 1 & 1A ON S3.21)	RE: 4A/S3.10

NOTES:
1. JAMB STUDS SHALL MATCH SIZE & GRADE OF WALL STUDS U.N.O.
2. WHERE BEAM IS NOTED "UPSET", ALL JAMB STUDS NOTED WILL EXTEND TO DOUBLE TOP PLATE.
3. ALL EXTERIOR LUMBER TO BE TREATED. REFER TO NOTE 12.T ON SHEET S001 FOR FIRE RETARDANT TREATED HEADER AND STUD REQUIREMENTS.
4. PROVIDE SQUASH BLOCKS AT TRUSSES & BLOCKING FRAMING WHERE JAMBS OR STUD PACKS ARE DISCONT. QUANTITY TO MATCH JAMB OR STUD PACK ABOVE.
5. PROVIDE ½" PLYWOOD SPACER PLATES AT INTERIOR HEADERS CONSTRUCTED WITH 2x LUMBER.
6. AT CONTRACTOR'S OPTION, PROVIDE GLULAM IN LIEU OF PSL OF EQUAL OR GREATER STRENGTH.
7. REFER TO DETAIL 4/S002 FOR MULTI-PLY MEMBER CONNECTION REQUIREMENTS.
8. ATTACH JAMB & KING STUDS TOGETHER PER CONNECTION TYPE 24 ON NAILING SCHEDULE ON S001.



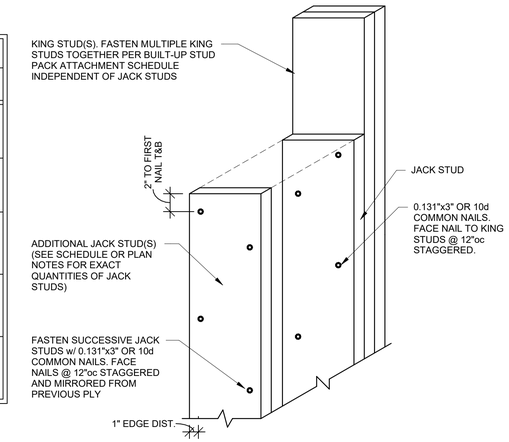
TYPICAL BUILT-UP STUD PACK CONNECTION

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

BUILT-UP STUD PACK COLUMN ATTACHMENT SCHEDULE

NUMBER OF PLIES	ATTACHMENT AT JAMB STUD PACKS	ATTACHMENT AT WALL STUD PACKS
2-PLY MEMBERS	8d NAILS AT 12"oc, 1" FROM EDGE, w/ OPPOSITE EDGE NAILED FROM OPPOSITE SIDE OFFSET 6", @ 12"oc w/ FIRST NAIL 2" FROM EA. END	8d NAILS AT 12"oc, 1" FROM EDGE, w/ OPPOSITE EDGE NAILED FROM OPPOSITE SIDE OFFSET 6", @ 12"oc w/ FIRST NAIL 2" FROM EA. END
3-PLY MEMBERS	20d NAILS AT 16"oc, 1 1/2" FROM EDGE w/ OPPOSITE EDGE NAILED FROM OPPOSITE SIDE OFFSET 8", @ 16"oc w/ FIRST NAIL 4" FROM EA. END	8d NAILS AT 12"oc, 1" FROM EDGE, w/ OPPOSITE EDGE NAILED FROM OPPOSITE SIDE OFFSET 6", @ 12"oc w/ FIRST NAIL 2" FROM EA. END
4-PLY MEMBERS	SDWS22500 SCREWS AT 16"oc, 1 1/2" FROM EDGE w/ OPPOSITE EDGE SCREWED FROM OPPOSITE SIDE OFFSET 8", @ 16"oc w/ FIRST SCREW 4" FROM EA. END	3 PLIES ATTACHED PER 3-PLY ATTACHMENT w/ 4th PLY ATTACHED w/ 8d NAILS AT 12"oc IN 2 ROWS, 1 1/2" FROM EDGE, OFFSET ROW 6"
5-PLY MEMBERS	SDWS22600 SCREWS AT 12"oc, 1 1/2" FROM EDGE w/ OPPOSITE EDGE SCREWED FROM OPPOSITE SIDE OFFSET 6", @ 12"oc w/ FIRST SCREW 4" FROM EA. END	3 PLIES ATTACHED PER 3-PLY ATTACHMENT w/ 4th & 5th PLY ATTACHED w/ 8d NAILS AT 12"oc IN 2 ROWS, 1 1/2" FROM EDGE, OFFSET ROW 6"
6-PLY MEMBERS	SDWS22800 SCREWS AT 12"oc, 1 1/2" FROM EDGE w/ OPPOSITE EDGE SCREWED FROM OPPOSITE SIDE OFFSET 6", @ 12"oc w/ FIRST SCREW 4" FROM EA. END	3 PLIES ATTACHED PER 3-PLY ATTACHMENT w/ 4th PLY ATTACHED w/ 8d NAILS AT 12"oc IN 2 ROWS, 1 1/2" FROM EDGE, OFFSET ROSS 6"oc w/ FIRST SCREW 4" FROM EA. END

NOTES:
1. ALL BUILT-UP STUD PACKS MUST ALIGN FLOOR-TO-FLOOR WITH SOLID BLOCKING (SQUASH BLOCKS) AT FLOOR CAVITIES.
2. EXTEND ALL STUD PACKS TO LOWEST LEVEL UNLESS NOTED OTHERWISE.
3. ALL NAILS ARE COMMON NAILS UNLESS NOTED OTHERWISE.
4. JAMB STUD PACKS ARE STUDS SUPPORTING STRUCTURAL MEMBERS SUCH AS BEAMS, HEADERS, GIRDER TRUSSES, ETC.
5. WALL STUD PACKS ARE REPETITIVE STUDS BETWEEN WALL PLATES AS SCHEDULED IN THE "STUD BEARING WALL SCHEDULE".



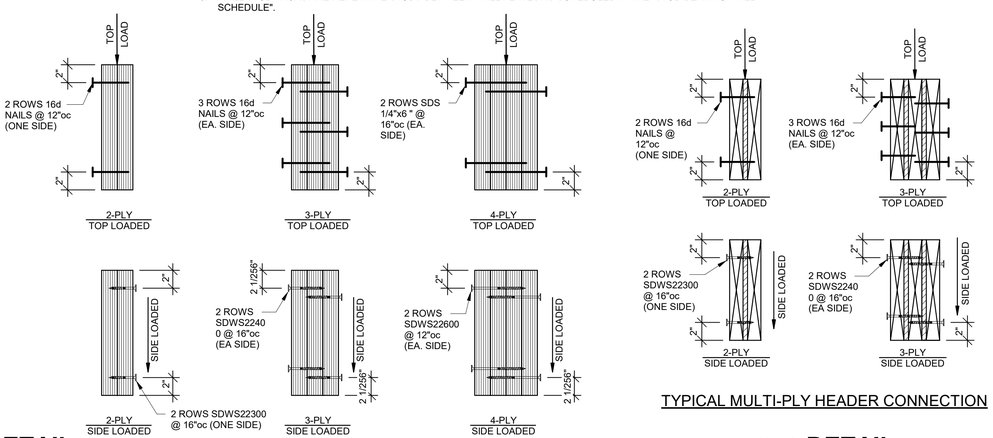
TYPICAL JACK STUD ATTACHMENT

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

STUD BEARING WALL SCHEDULE

MARK	1st FLOOR WALLS (2nd FLOOR FRAMING)	2nd FLOOR WALLS (3rd FLOOR FRAMING)	3rd FLOOR WALLS (4th FLOOR FRAMING)	4th FLOOR WALLS (ROOF FRAMING)	NOTES
1	2x6 @ 16"oc	2x6 @ 16"oc	2x6 @ 16"oc	2x6 @ 16"oc	
2	(2) 2x6 @ 16"oc	2x6 @ 16"oc w/ ADDT'L 2x6 @ 16"oc	2x6 @ 16"oc	2x6 @ 16"oc	
3	(2) 2X4 @ 16"oc OR 2x6 @ 16"oc	(2) 2X4 @ 16"oc OR 2x6 @ 16"oc	2x4 @ 16"oc w/ ADDT'L 2x4 @ 32"oc OR 2x6 @ 16"oc	2X4 @ 16"oc OR 2x6 @ 16"oc	RE: WALL TYPE "2" @ EXTERIOR WALLS
4	(2) 2x4 @ 16"oc OR 2x6 @ 16"oc w/ ADDT'L 2x6 @ 32"oc	2x4 @ 16"oc w/ ADDT'L 2x4 @ 32"oc OR 2x6 @ 16"oc	2x4 @ 16"oc w/ ADDT'L 2x4 @ 32"oc OR 2x6 @ 16"oc	2x4 @ 16"oc OR 2x6 @ 16"oc	RE: WALL TYPE "2" @ EXTERIOR WALLS
4A	(2) 2x4 @ 16"oc w/ ADDT'L 2x4 @ 32"oc OR 2x6 @ 16"oc w/ ADDT'L 2x6 @ 32"oc	(2) 2x4 @ 16"oc OR 2x6 @ 16"oc	2x4 @ 16"oc w/ ADDT'L 2x4 @ 32"oc OR 2x6 @ 16"oc	2x4 @ 16"oc OR 2x6 @ 16"oc	RE: WALL TYPE "2" @ EXTERIOR WALLS
5	2x6 @ 16"oc (OR (3) 2x4 @ 16"oc)	2x6 @ 16"oc (OR (2) 2x4 @ 16"oc)	2x6 @ 16"oc (OR 2x4 @ 16"oc w/ ADDT'L @ 32"oc)	2x6 @ 16"oc (OR 2x4 @ 16"oc)	RE: WALL TYPE "2" @ EXTERIOR WALLS RE: ARCH DWGS FOR STUD SIZE: USE 2x4 ALTERNATE WHERE REQ'D
6	2x6 @ 16"oc w/ ADDT'L 2x6 @ 32"oc (OR (4)2x4 @ 24"oc w/ ADDT'L 2x4 BTWN)	2x6 @ 16"oc w/ ADDT'L 2x6 @ 32"oc (OR (3) 2x4 @ 24"oc w/ ADDT'L 2x4 BTWN)	2x6 @ 16"oc (OR (2) 2x4 @ 24"oc w/ ADDT'L 2x4 BTWN)	2x6 @ 16"oc (OR 2x4 @ 16"oc)	RE: WALL TYPE "2" @ EXTERIOR WALLS RE: ARCH DWGS FOR STUD SIZE: USE 2x4 ALTERNATE WHERE REQ'D STUD PACKS NOTED @ 24"oc SHALL BE ALIGNED w/ TRUSSES ABOVE & BELOW
7	2x4 @ 16"oc w/ ADDT'L 2x4 @ 32"oc	2x4 @ 16"oc	2x4 @ 16"oc	2x4 @ 16"oc	
8	2x6 @ 16"oc w/ ADDT'L 2x6 @ 32"oc OR 2x6 @ 16"oc				WALL @ BOTT. FLOOR ONLY

NOTES:
1. ALL EXTERIOR STUD BACK UP AT MSRY VENEER TO BE 2x4 @ 12"oc OR 2x6 @ 16"oc MIN. W/ 9'-1" STUD HEIGHT.
2. PROVIDE 2x BLOCKING @ MID HEIGHT (5'-0" MAX) @ ALL LOAD BEARING WALLS NOT SHEATHED ON BOTH SIDES AND @ ALL 2x8 WALLS.
3. WHERE INDICATED, REFER TO WALL TYPE 2 @ EXTERIOR WALLS
4. WHERE STUD SIZE IN ARCHITECTURAL PLAN IS LARGER THAN THAT SHOWN IN SCHEDULE, USE SAME NUMBER OF LARGER STUDS TO THOSE SHOWN IN SCHEDULE (U.N.O.).
5. USE 2x8 @ 16"oc IN GARAGE WALLS BELOW DOUBLE 2x4 UNIT DEMISING WALLS.



TYPICAL MULTI-PLY BEAM CONNECTION

6A DETAIL
1 1/2" = 1'-0"

TYPICAL MULTI-PLY HEADER CONNECTION

6B DETAIL
1 1/2" = 1'-0"

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STATE OF MISSOURI — BRANDON M. FORD — NUMBER PE-2010020222 — PROFESSIONAL ENGINEER — 12-22-2025

PERMIT SET

OLDHAM VILLAGE
1100 SW JEFFERSON ST
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Architect Of Record:
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PROFESSIONAL SEAL

S-020

ISSUE DATE: DECEMBER 22, 2025

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TYPICAL WOOD DETAILS & SCHEDULES

HOLDOWN SCHEDULE

MARK	FLOOR LEVEL (w/ APPLICABLE ROD SIZE OR HOLDOWN TYPE PER FLOOR)				DESIGN UNFACTORED (ASD) BASE REACTION	EMBEDDED ANCHOR (OR EQ)
	1st FLOOR	2nd FLOOR	3rd FLOOR	4th FLOOR		
(A)	5/8" STANDARD THREADED ROD w/ (4) 2x4 OR (4) 2x6	1/2" STANDARD THREADED ROD w/ (4) 2x4 OR (4) 2x6	1/2" STANDARD THREADED ROD w/ (4) 2x4 OR (4) 2x6	1/2" STANDARD THREADED ROD w/ (4) 2x4 OR (4) 2x6	6,675 lbs	SIMPSON PAB5-24
(B)	3/4" STANDARD THREADED ROD w/ (4) 2x4 OR (4) 2x6	1/2" STANDARD THREADED ROD w/ (4) 2x4 OR (4) 2x6	1/2" STANDARD THREADED ROD w/ (4) 2x4 OR (4) 2x6	1/2" STANDARD THREADED ROD w/ (4) 2x4 OR (4) 2x6	9,610 lbs	SIMPSON PAB6-24

NOTES:
1. CONTINUOUS ROD SYSTEM IS BASED UPON CONTINUOUS THREADED RODS UTILIZING EITHER CLP SYSTEM OR SIMPSON ATS SYSTEM
2. RODS SHALL HAVE A MINIMUM TENSILE CAPACITY SHOWN IN SCHEDULE.
3. REFER TO SECTION DETAILS ON S0.05 AND S0.07 FOR TYPICAL HOLDOWN DETAILS.
4. ALL HOLDOWNS TO HAVE HALF OF THE LISTED REQ'D STUDS EA. SIDE OF THREADED ROD TO MATCH STUD SIZE & GRADE NOTED IN WALL SCHEDULE. HOLDOWN STUDS ARE IN ADDITION TO BEARING WALL STUDS - PROVIDE ADDITIONAL STUDS AS REQ'D TO MEET QUANTITY NOTED IN SCHEDULE. OFFSET STUD PACK 3" TYPICAL FROM CENTERLINE OF THREADED ROD. PROVIDE SQUASH BLOCKS WITHIN FLOOR PLATE DEPTH (TRUSS DEPTH) ALIGNED WITH STUD PACKS. QUANTITY OF SQUASH BLOCKS TO MATCH QUANTITY OF STUDS BELOW
5. PROVIDE CAST IN PLACE ANCHOR PER SCHEDULE OR DRILL & EPOXY THREADED ROD INTO FOUNDATION WITH 9" EMBED (CAST IN ANCHOR REQUIRED AT EDGE OF SLAB CONDITIONS PER DETAIL 1C/S0.05). ROD SHALL BE CLEAN OF GREASE. ATTACHMENT TO CONCRETE REQUIRES FULL TIME SPECIAL INSPECTION.
6. PROVIDE PLATE WASHER, NUT AND BEARING PLATE CAPABLE OF DEVELOPING CAPACITY OF ROD AT EACH FLOOR.
7. PROVIDE TAKE-UP DEVICE AT EACH FLOOR (RE: ESTIMATED BUILDING MOVEMENT TABLE).
8. PROVIDE COUPLING TAKE-UP DEVICE AS REQUIRED (RE: ESTIMATED BUILDING MOVEMENT TABLE).
9. PROVIDE SHOP DRAWINGS SHOWING LOCATIONS ALL HOLDOWNS AND HARDWARE FOR REVIEW PRIOR TO INSTALLATION.
10. HOLE THRU TOP AND SILL PLATES SHALL BE ROD DIAMETER PLUS 1/4".
11. PROVIDE BEARING PLATE ON UNDERSIDE OF UPSET BEAM (RE. 3/S0.05) AT "D" SERIES RODS.

NAILING SCHEDULE (REFER TO NOTES #1 and #2)

CONNECTION	ATTACHMENTS (REF NOTE #3 and #4)	
JOIST TO SILL OR GIRDER	3- 3" x 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL
BRIDGING TO JOIST	2- 3" x 0.131" NAILS-TOENAIL EACH END	2-8d NAILS-TOENAIL EACH END
SOLE PLATE TO JOIST OR BLOCKING	3" x 0.131" NAILS AT 8"o.c.-TYPICAL FACE NAIL 4-3" x 0.131" NAILS AT 6"o.c. BRACED WALL PANELS	16d BOX NAILS AT 16"o.c. MAX. FACE NAILING 3-16d BOX NAILS AT 16"o.c. BRACED WALL PANEL
TOP PLATE TO STUD	3- 3" x 0.131" NAILS-END NAIL	2-16d NAILS-END NAIL
STUD TO SOLE PLATE	4- 3" x 0.131" NAILS-TOENAIL OR 3- 3" x 0.131" NAILS-END NAIL	4-8d NAILS-TOENAIL OR 2-16d NAILS-END
DOUBLE STUDS	3" x 0.131" NAILS AT 8"o.c.-FACE NAIL	16d BOX NAILS AT 24"o.c. MAX. FACE NAIL
DOUBLED TOP PLATES	3" x 0.131" NAILS AT 12"o.c.-FACE NAIL	16d BOX NAILS AT 16"o.c. MAX. FACE NAIL
DOUBLE TOP PLATE LAPS AND INTERSECTIONS	12-3" x 0.131" NAILS	8-16d NAILS
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-3" x 0.131" NAILS -TOENAIL	3-8d NAILS-TOENAIL
RIM JOIST TO TOP PLATE	3" x 0.131" NAILS AT 6"o.c.-TOENAIL	8d NAILS AT 6"o.c. MAX.-TOENAIL
TOP PLATE LAPS AND INTERSECTIONS	3- 3" x 0.131" NAILS-FACE NAIL	2-16d NAILS-FACE NAIL
CONTINUOUS HEADER, TWO PIECES	3" x 0.131" NAILS AT 10"o.c. ALONG EACH EDGE	16d NAILS AT 16"o.c. MAX. ALONG EACH EDGE-TOENAIL
CEILING JOISTS TO PLATE	5- 3" x 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL
CONTINUOUS HEADER TO STUD	4- 3" x 0.131" NAILS-TOENAIL	4-8d NAILS-TOENAIL
CEILING JOISTS, LAPS OVER PARTITIONS	4- 3" x 0.131" NAILS-FACE NAIL	3-16d NAILS-FACE NAIL
CEILING JOISTS TO PARALLEL RAFTERS	4- 3" x 0.131" NAILS-FACE NAIL	3-16d NAILS-FACE NAIL
RAFTER TO PLATE	3- 3" x 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL
1" BRACE TO EACH STUD AND PLATE	2- 3" x 0.131" NAILS-FACE NAIL	2-8d NAILS-FACE NAIL
BUILT-UP CORNER AND MULTIPLE STUDS	3" x 0.131" NAILS AT 16"o.c.	16d NAILS AT 24"o.c. MAX.
BUILT-UP GIRDER AND BEAMS	3" x 0.131" NAILS AT 24"o.c. FACE NAILED TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES 3- 3" x 0.131" NAILS AT ENDS AND EACH SPLICE	20d NAILS AT 32"o.c. MAX. TOP AND BOTTOM, STAGGERED ON OPPSITE SIDES. 2-20d NAILS AT ENDS AND EACH SPLICE
BUILT-UP LAMINATED VENEER LUMBER BEAMS	3" x 0.131" NAILS AT 6"o.c. TOP AND BOTTOM ALONG EDGE	16d NAILS AT 12"o.c. TOP AND BOTTOM ALONG EDGE
2" PLANKING	4- 3" x 0.131" NAILS AT EACH SUPPORT	16d NAILS AT EACH SUPPORT

NOTES:
1.) ALL NAILS SHALL BE AS NOTED UNLESS OTHERWISE SPECIFIED ON STRUCTURAL DRAWINGS OR ALTERNATE PROVIDED BY ENGINEER IN WRITING.
2.) CONDITIONS NOT SPECIFIED SHALL BE IN ACCORDANCE WITH CURRENT INTERNATIONAL BUILDING CODE. 3.) NAILING DESIGNATION:

4 - 3" x 0.131" NAILS
- 4 = QUANITY
- 3" = NAIL LENGTH
- 0.131" = DIAMETER IN INCHES

4.) ALL NAILS NOTED AS 8d, 10d, 16d, ETC. SHALL BE COMMON NAILS UNLESS NOTED BOX.

SHEARWALL SCHEDULE

SHEARWALL TYPE		FLOOR				NOTES
		1sT FLR WALLS	2nd FLR WALLS	3rd FLR WALLS	4th FLR WALLS	
SW1	MATERIAL THICKNESS	(2) 5/8" GYPSUM SHEATHING ONE SIDE w/ EDGES BLOCKED	5/8" GYPSUM SHEATHING ONE SIDE, w/ EDGES BLOCKED	5/8" GYPSUM SHEATHING ONE SIDE, w/ EDGES UNBLOCKED	5/8" GYPSUM SHEATHING ONE SIDE, w/ EDGES UNBLOCKED	--
	NAIL SIZE & SPACING	RE: NOTE 12	6d NAILS @ 4/4	6d NAILS @ 4/4	6d NAILS @ 7/7	
	SILL PL ANCHORS	SDWS22400 @ 16"oc	SDWS22400 @ 24"oc	SDWS22400 @ 32"oc	SDWS22400 @ 32"oc	
	TOP PL SCREWS	SDCW22500 @ 24"oc	SDWS22500 @ 32"oc	SDWS22500 @ 32"oc	SDWS22500 @ 32"oc	
	SHEAR FORCE	250plf	175plf	145plf	115plf	
SW1A	MATERIAL THICKNESS	7/16" APA-RATED SHEATHING ONE SIDE w/ EDGES BLOCKED	(2) 5/8" GYPSUM SHEATHING ONE SIDE, w/ EDGES BLOCKED	5/8" GYPSUM SHEATHING ONE SIDE, w/ EDGES BLOCKED	5/8" GYPSUM SHEATHING ONE SIDE, w/ EDGES UNBLOCKED	--
	NAIL SIZE & SPACING	8d NAILS @ 6/12	RE:NOTE 12	6d NAILS @ 4/4	6d NAILS @ 7/7	
	SILL PL ANCHORS	SDWS22400 @ 16"oc	SDWS22400 @ 16"oc	SDWS22400 @ 24"oc	SDWS22400 @ 32"oc	
	TOP PL SCREWS	SDCW22500 @ 20"oc	SDWS22500 @ 24"oc	SDWS22500 @ 32"oc	SDWS22500 @ 32"oc	
	SHEAR FORCE	325plf	250plf	175plf	115plf	
SW2	MATERIAL THICKNESS	(2) 5/8" GYPSUM SHEATHING ONE SIDE w/ EDGES BLOCKED	(2) 5/8" GYPSUM SHEATHING ONE SIDE w/ EDGES BLOCKED	5/8" GYPSUM SHEATHING ONE SIDE w/ EDGES BLOCKED	5/8" GYPSUM SHEATHING ONE SIDE w/ EDGES UNBLOCKED	--
	NAIL SIZE & SPACING	RE: NOTE 12	RE: NOTE 12	6d NAILS @ 4/4	6d NAILS @ 7/7	
	SILL PL ANCHORS	SDWS22400 @ 16"oc	SDWS22400 @ 16"oc	SDWS22400 @ 24"oc	SDWS22400 @ 32"oc	
	TOP PL SCREWS	SDCW22500 @ 24"oc	SDWS22500 @ 24"oc	SDWS22500 @ 32"oc	SDWS22500 @ 32"oc	
	SHEAR FORCE	250plf	250plf	175plf	115plf	
SW3 (RE. 2/S0.09)	MATERIAL THICKNESS	7/16" APA-RATED SHEATHING ONE SIDE w/ EDGES BLOCKED	7/16" APA-RATED SHEATHING ONE SIDE w/ EDGES BLOCKED	7/16" APA-RATED SHEATHING ONE SIDE w/ EDGES BLOCKED	7/16" APA-RATED SHEATHING ONE SIDE w/ EDGES BLOCKED	--
	NAIL SIZE & SPACING	8d NAILS @ 6/12	8d NAILS @ 6/12	8d NAILS @ 6/12	8d NAILS @ 6/12	
	SILL PL ANCHORS	SDWS22400 @ 16"oc	SDWS22400 @ 16"oc	SDWS22400 @ 16"oc	SDWS22400 @ 32"oc	
	TOP PL SCREWS	SDCW22500 @ 20"oc	SDWS22500 @ 20"oc	SDWS22500 @ 24"oc	SDWS22500 @ 32"oc	
	SHEAR FORCE	325plf	300plf	150plf	115plf	

NOTES:
1. NAILING SHALL BE TO ALL STUDS, TOP & BOTTOM PLATES, AND BLOCKING WHERE INDICATED.
2. PROVIDE CONTINUOUS ROD SYSTEM OR MECHANICAL HOLDOWNS PER PLAN & SCHEDULE.
3. NAIL SPACING SHOWN AS (#/#) INDICATES FASTENERS SPACING IN INCHES AT THE EDGES/FIELD WHERE FIELD IS THE INTERMEDIATE MEMBERS.
4. TYPICAL SILL PLATE TO WOOD SHALL BE 20d NAILS AT 16"oc UNLESS NOTED OTHERWISE IN SCHEDULE.
5. TYPICAL SILL PLATE TO CONCRETE SHALL BE 1/2"ø ANCHORS PER 4/S3.00:
   AT 2x4 WALLS SPACE AT 24"oc MAX WITH 1/4"x21/2"x21/2" PLATE WASHER OR SIMPSON BPS 1/2 - 3 @ CONTRACTORS OPTION
   AT 2x6 WALLS SPACE AT 24"oc MAX WITH 1/4"x21/2"x41/2" PLATE WASHER OR SIMPSON BPS 1/2 - 6 @ CONTRACTORS OPTION
6. PLATE WASHERS TO MAINTAIN MAX OF 1/2" BETWEEN EDGE OF SILL PLATE AND EDGE OF PLATE WASHER
7. SHEARWALL SHEATHING CALLED OUT AT CORRIDOR WALLS SHALL BE LOCATED AT UNIT SIDE OF WALL
8. DESIGN SHEAR TRUSSES FOR FORCES INDICATED IN SCHEDULE.
9. NAILS @ WOOD STRUCTURAL PANEL SHEAR WALLS SHALL BE GALVANIZED COMMON OF TYPE INDICATED IN SCHED.
10. EXTERIOR BUILDING SHEATHING SHALL BE 7/16" OSB (OR EQUAL) BLOCKED w/ 8d NAILS @ 6/12 NAILING PATTERN. INSTALL SHEATHING VERTICALLY AND SPLICE PANELS @ FLOOR PER 1/S0.05 (PROVIDE STRAPS PER 2/S0.05 WHERE SHEATHING JOINTS DO NOT CONFORM TO 1/S0.05)
11. REFER TO DETAILS 2B/S0.07 AND 3/S0.08 @ OPENINGS THRU SHEARWALLS.

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BRANDON M. FORD
NUMBER PE-2012022911
CIVIL ENGINEER
12-22-2025

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1100 SW JEFFERSON ST
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S-021

ISSUE DATE: DECEMBER 22, 2025
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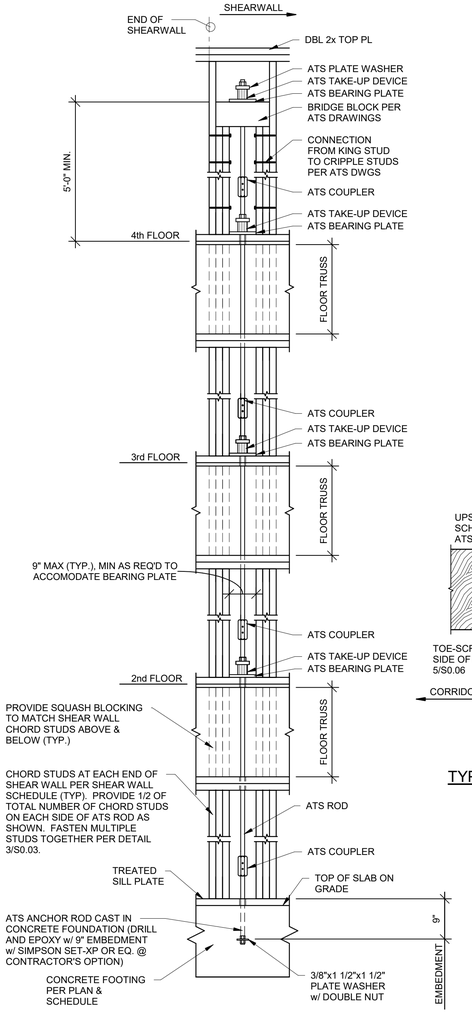
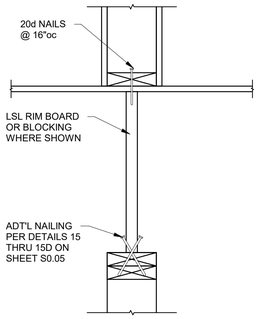
WOOD SCHEDULES



TYPICAL ANCHOR TIEDOWN SYSTEM DETAIL AT EACH END OF SHEAR WALLS

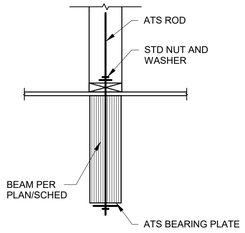
REFER TO PLANS FOR SHEAR WALL LOCATIONS AND TO SHEAR WALL SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.

1 DETAIL 3/4" = 1'-0"



TYPICAL SHEARWALL SILL PL ATTACHMENT AT 2x SILL

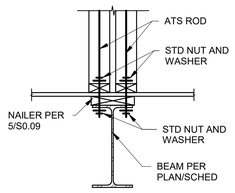
2 SECTION 1 1/2" = 1'-0"



TYPICAL HOLDOWN ATOP WOOD BM

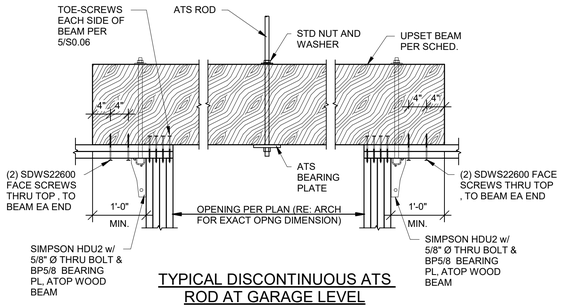
3 SECTION 1" = 1'-0"

NOTE:
IN LIEU OF THRU BOLTING OR WHERE ROD ALIGNS OVER CENTER OF BEAM, A WELDABLE STEEL CAGE OR WELDABLE THREADED ROD MAY BE PROVIDED FOR SHOP OR FIELD WELDING TO BEAM FOR ATS ROD ATTACHMENT



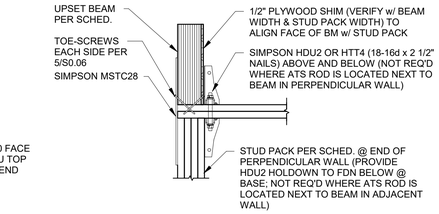
TYPICAL HOLDOWN ATOP STEEL BEAM

4 SECTION 1" = 1'-0"



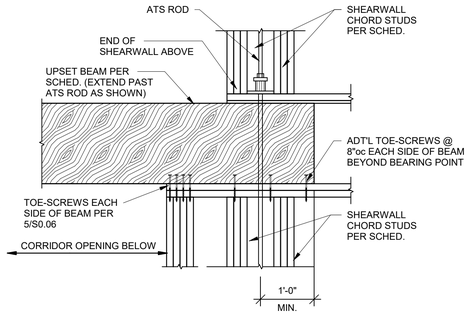
TYPICAL DISCONTINUOUS ATS ROD AT GARAGE LEVEL

5 SECTION 3/4" = 1'-0"



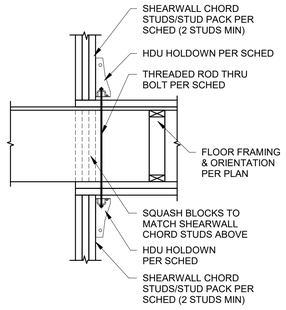
TYPICAL END BEARING AT PERPENDICULAR WALL OF UPSET BEAM SUPPORTING DISCONTINUOUS ATS ROD

6 SECTION 3/4" = 1'-0"



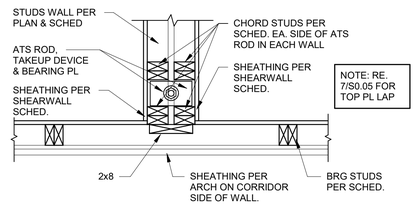
TYPICAL UPSET BEAM NEAR END OF SHEARWALL

7 SECTION 3/4" = 1'-0"



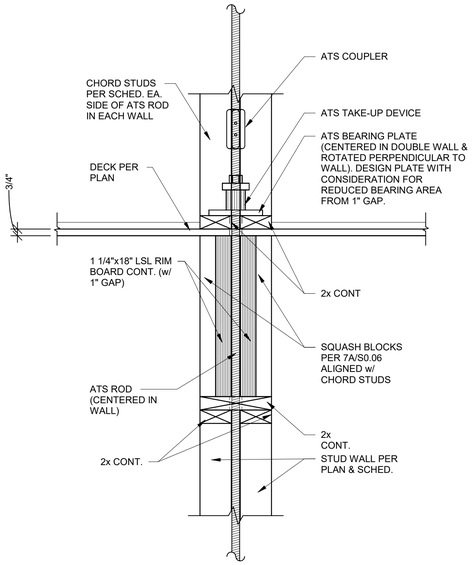
TYPICAL HDU FLOOR TO FLOOR HOLDOWN

8 SECTION 3/4" = 1'-0"



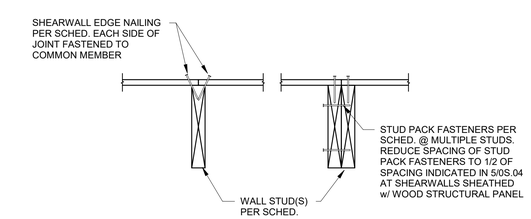
TYPICAL ATS ROD IN CENTER OF UNIT DEMISING WALL

9 SECTION 1" = 1'-0"



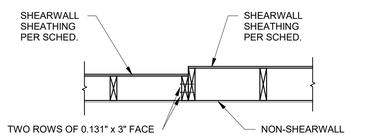
TYPICAL SINGLE ATS ROD AT DOUBLE SHEARWALLS

9A SECTION 1 1/2" = 1'-0"



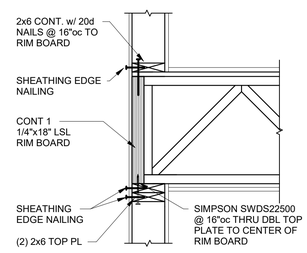
TYPICAL SHEARWALL SHEATHING JOINT

10 SECTION 1 1/2" = 1'-0"



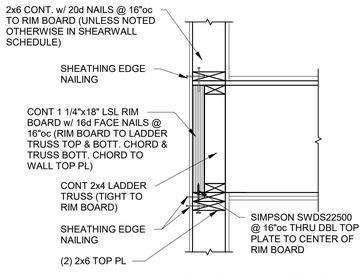
TYPICAL SHEARWALL DETAIL AT WALL STUD SIZE TRANSITION

10A SECTION 3/4" = 1'-0"



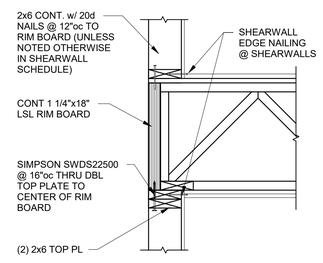
TYPICAL LATERAL NAILING AT EXTERIOR WALL WITH TRUSS BEARING

11 SECTION 1" = 1'-0"



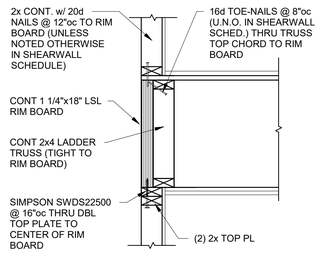
TYPICAL LATERAL NAILING AT EXTERIOR WALL PARALLEL TO TRUSSES

11A SECTION 1" = 1'-0"



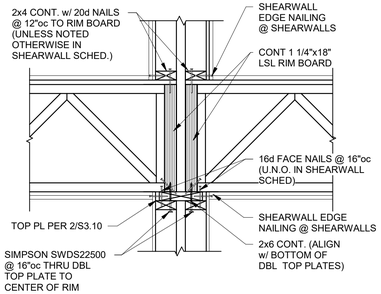
TYPICAL LATERAL NAILING AT ONE SIDED WALL WITH TRUSS BEARING

11B SECTION 1" = 1'-0"



TYPICAL LATERAL NAILING AT UNIT DEMISING WALL OR ONE SIDED WALL PARALLEL TO TRUSSES

11C SECTION 1" = 1'-0"



TYPICAL LATERAL NAILING AT DOUBLE UNIT DEMISING WALLS WITH TRUSS BEARING

11D SECTION 1" = 1'-0"

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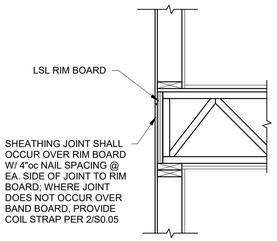
ISSUE DATE: DECEMBER 22, 2025

HOEFER WELKER #: 1259011

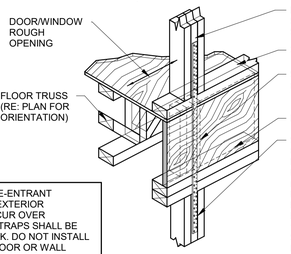
TYPICAL WOOD DETAILS



TYPICAL EXTERIOR SHEATHING JOINT

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

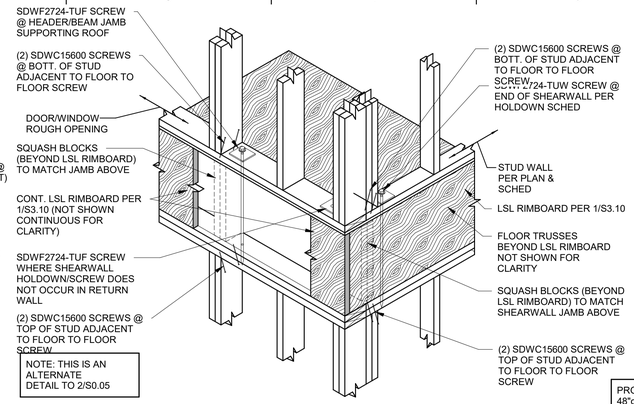
NOTE: STRAPS @ CORNERS & RE-ENTRANT CORNERS REQ'D ONLY WHERE EXTERIOR SHEATHING JOINTS DO NOT OCCUR OVER CONTINUOUS LSL RIM BOARD. STRAPS SHALL BE INSTALLED TIGHT & W/OUT SLACK. DO NOT INSTALL STRAPS AT A TIME WHEN SUBFLOOR OR WALL PALTES ARE WET/DAMP DUE TO RAIN AS TEMPORARY SWELLING MAY CAUSE SLACK IN STRAPS AFTER DRYING. STRAPS MAY BE INSTALLED ON INTERIOR OF BLDG WHERE BULGING OF STRAP WOULD NEGATIVELY IMPACT EXTERIOR FINISH (STUCCO, SIDING, ETC.)



NOTE: USE DETAIL 2A/S0.05 IN LIEU OF STRAPS @ CONTRACTORS OPTION

TYPICAL COIL STRAP @ EXTERIOR JAMBS SUPPORTING ROOF FRAMING AT FLOOR DIRECTLY BELOW ROOF AND FLOOR TO FLOOR TIES WHERE DETAIL 1/S0.05 IS NOT FOLLOWED

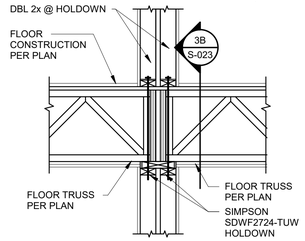
2 SECTION
3/4" = 1'-0"



NOTE: THIS IS AN ALTERNATE DETAIL TO 2/S0.05

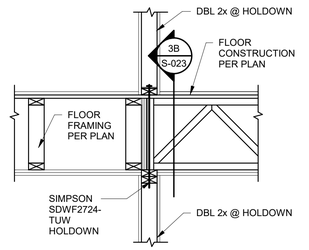
TYPICAL FLOOR-TO-FLOOR SCREW @ EXTERIOR JAMBS SUPPORTING ROOF FRAMING AT FLOOR DIRECTLY BELOW ROOF AND FLOOR TO FLOOR TIES WHERE DETAIL 1/S0.05 IS NOT FOLLOWED

2A SECTION
3/4" = 1'-0"



TYPICAL UNIT UPLIFT HOLDOWN DETAIL @ TOP FLOOR ROOF TRUSS BEARING WALLS

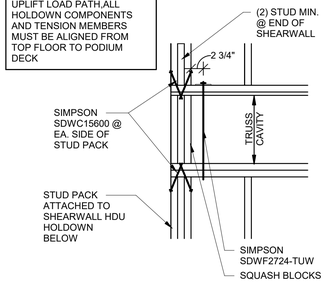
3 SECTION
3/4" = 1'-0"



TYPICAL UNIT UPLIFT HOLDOWN DETAIL @ TOP FLOOR ROOF TRUSS BEARING WALLS

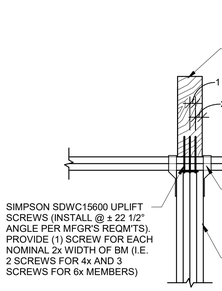
3A SECTION
3/4" = 1'-0"

NOTE: FOR CONTINUOUS UPLIFT LOAD PATH,ALL HOLDOWN COMPONENTS AND TENSION MEMBERS MUST BE ALIGNED FROM TOP FLOOR TO PODIUM DECK

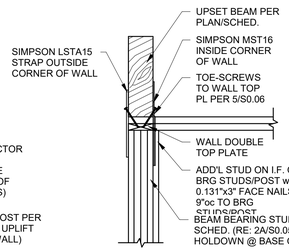


ALTERNATE FLOOR TO FLOOR TIE-DOWN AT END OF WALL

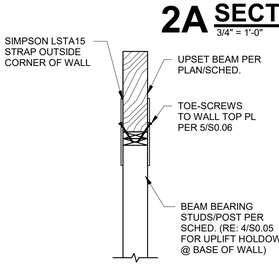
5 SECTION
3/4" = 1'-0"



TYPICAL AT PERPENDICULAR WALL



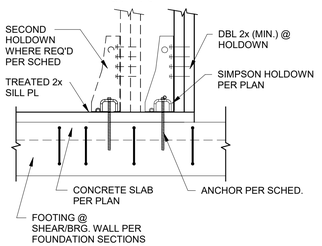
TYPICAL AT WALL CORNERS



TYPICAL AT PARALLEL WALL

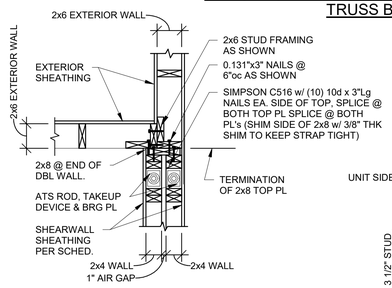
TYPICAL UPSET WOOD BEAM UPLIFT HOLDOWN AT BEAMS SUPPORTING ROOF TRUSS BEARING WALLS OR WHERE INDICATED

6 SECTION
3/4" = 1'-0"



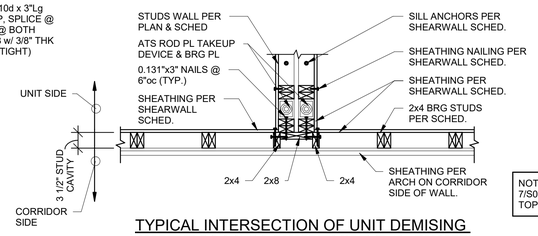
TYPICAL HDU HOLDOWN DETAIL

8 SECTION
3/4" = 1'-0"



TYPICAL @ UNIT PARTY WALL TRANSITION TO 2x6 EXT. WALL

9 SECTION
3/4" = 1'-0"

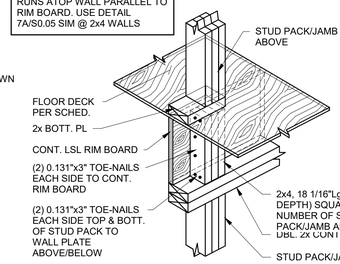


NOTE: RE. 7/S0.05 FOR TOP PL LAP

TYPICAL INTERSECTION OF UNIT DEMISING WALL & CORRIDOR WALL (SIM @ EXT. WALL)

10 SECTION
3/4" = 1'-0"

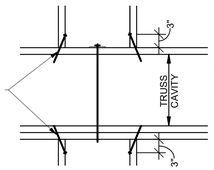
NOTE: PROVIDE SQUASH BLOCKS SIM TO DETAIL SHOWN HERE WHERE LADDER TRUSS RUNS ATOP WALL PARALLEL TO RIM BOARD. USE DETAIL 7A/S0.05 SIM @ 2x4 WALLS



TYPICAL SQUASH BLOCK DETAIL AT CONTINUOUS RIM BOARD

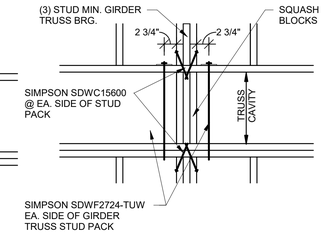
7 SECTION
3/4" = 1'-0"

PROVIDE UNIT UPLIFT HOLDOWNS @ 48"oc MAX @ LOAD BEARING INTERIOR WALLS SUPPORTING ROOF TRUSSES. HOLDOWNS SHALL BE PROVIDED WITHIN 6" OF JAMBS OF ALL INTERIOR LOAD BEARING ROOF HEADERS & GIRDER TRUSS BEARING AND WITHIN 48" OF SHEARWALL HOLDOWNS



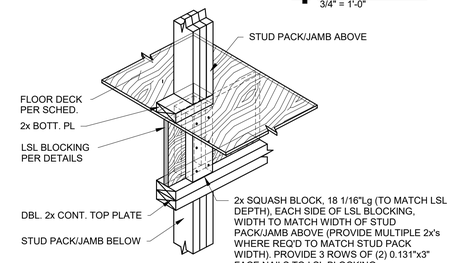
TYP SIDE VIEW AT DBL STUD SCREWS AT HOLDOWN

3B DETAIL
3/4" = 1'-0"



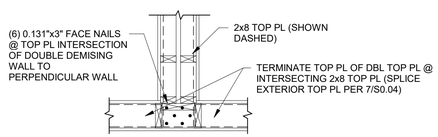
TYPICAL GIRDER TRUSS UPLIFT HOLDOWN DETAIL @ TOP FLOOR

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



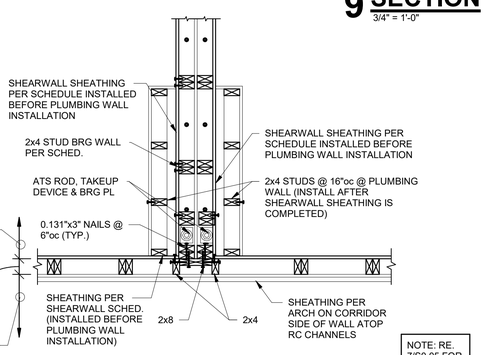
TYPICAL SQUASH BLOCK DETAIL AT LSL BLOCKING

7A SECTION
3/4" = 1'-0"



TYPICAL TOP PL LAP @ UNIT DEMISING WALL AT DISCONT. END

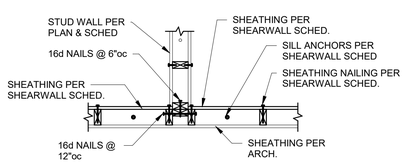
11 SECTION
3/4" = 1'-0"



NOTE: RE. 7/S0.05 FOR TOP PL LAP

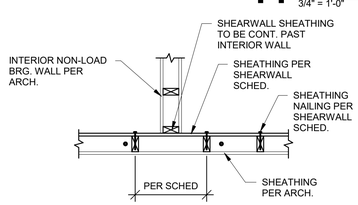
TYPICAL INTERSECTION OF CORRIDOR WALL AND UNIT DEMISING WALL w/ PLUMBING WALL

12 SECTION
3/4" = 1'-0"



TYPICAL @ DISCONTINUOUS SHEARWALL SHEATHING

13 SECTION
3/4" = 1'-0"



TYPICAL @ SHEARWALL SHEATHING CONTINUOUS PAST NON-LOAD BRG WALL

14 SECTION
3/4" = 1'-0"

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BRANDON M. FORD
NUMBER PE-2009020722
CIVIL
12-22-2025

PERMIT SET

OLDHAM VILLAGE
1100 SW JEFFERSON ST
LEE'S SUMMIT, MO 64081

REVISION DATES:

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Architect Of Record:
Hoefer Welker

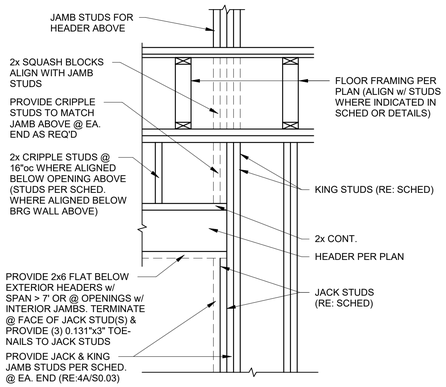
PROFESSIONAL SEAL

S-023

ISSUE DATE: DECEMBER 22, 2025

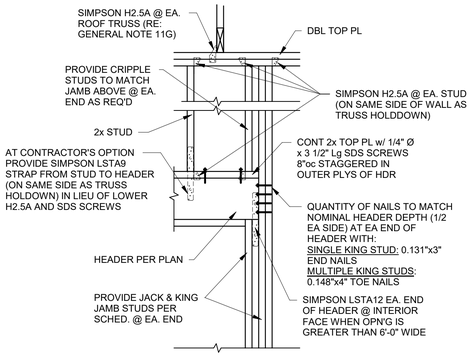
HOEFER WELKER #: 1259011

TYPICAL WOOD DETAILS



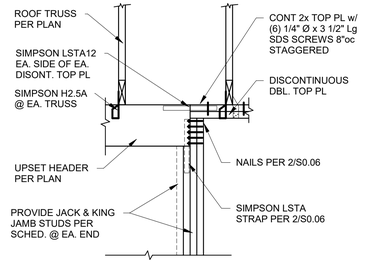
TYPICAL HEADER DETAIL

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



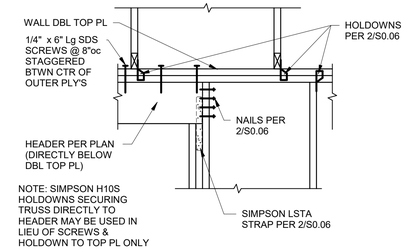
TYPICAL HEADER DETAIL @ ROOF TRUSS BRG LOCATIONS

2 SECTION 3/4" = 1'-0"



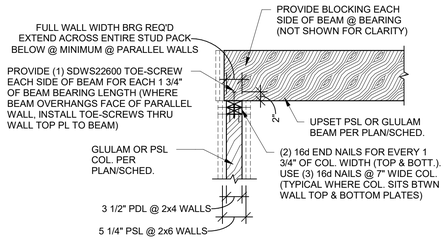
TYPICAL HEADER DETAIL AT DISCONTINUOUS TOP PLATE AT ROOF

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



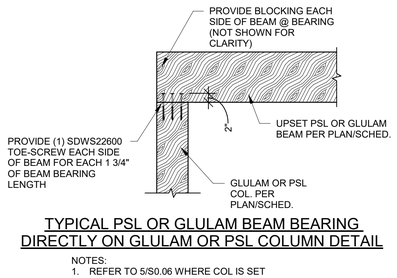
TYPICAL HEADER DEATIL AT ROOF TRUSS BRG LOCATIONS w/HEADER DIRECTLY BELOW DBL TOP PL

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



TYPICAL PSL OR GLULAM BEAM AND/OR COLUMN DETAIL

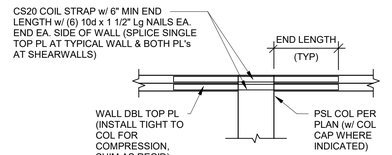
5 SECTION 3/4" = 1'-0"



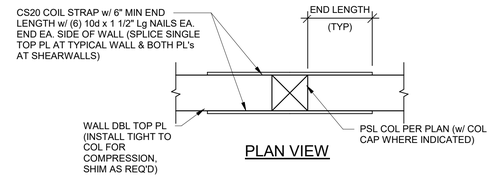
TYPICAL PSL OR GLULAM BEAM BEARING DIRECTLY ON GLULAM OR PSL COLUMN DETAIL

NOTES:
1. REFER TO 5/S0.06 WHERE COL IS SET BTWN WALL TOP & BOTTOM PLATES
2. PROVIDE STRAPS PER 6/S0.06 AT DISCONTINUOUS WALL TOP PLATES.

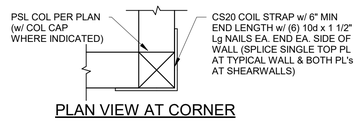
5A SECTION 3/4" = 1'-0"



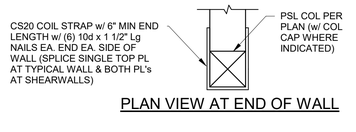
ELEVATION VIEW



PLAN VIEW



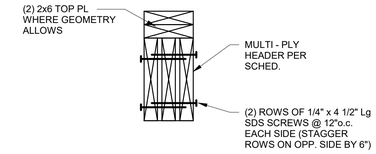
PLAN VIEW AT CORNER



PLAN VIEW AT END OF WALL

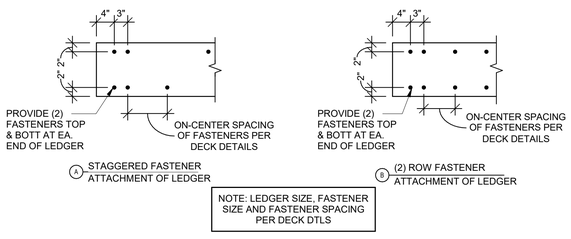
TYPICAL STRAPS @ DISCONTINUOUS TOP PL @ COL

6 SECTION 3/4" = 1'-0"



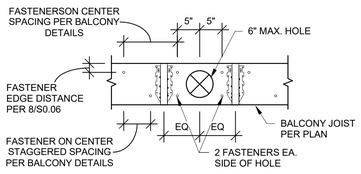
TYPICAL MULTI-PLY EXTERIOR ROOF HEADER WHERE GEOMETRY DOES NOT ALLOW 2x PL BELOW HEADER

7 SECTION 1 1/2" = 1'-0"



TYPICAL LEDGER CONNECTION

8 SECTION 3/4" = 1'-0"



TYPICAL HOLE THRU LEDGER DETAIL

9 SECTION 3/4" = 1'-0"

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Architect Of Record:
Hoefer Welker

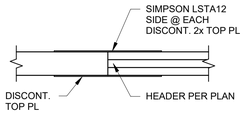
PROFESSIONAL SEAL

S-024

ISSUE DATE: DECEMBER 22, 2025

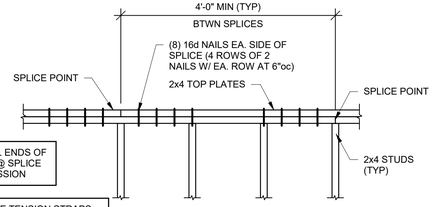
HOEFER WELKER #: 1259011

TYPICAL WOOD DETAILS



TYPICAL SPLICE AT DISCONTINUOUS TOP PL

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

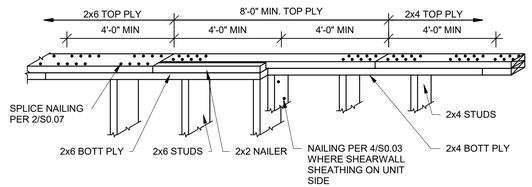


NOTE: INSTALL ENDS OF PLATE TIGHT @ SPLICE FOR COMPRESSION

NOTE: PROVIDE TENSION STRAPS PER 1/S0.07 @ LOCATIONS WHERE TOP PLATE SPLICE IS NOT STAGGERED 4'-0" MIN. AND WHERE PLUMBING/ELECTRICAL BORES OR NOTCHES TOP PLATE OVER THE ALLOWABLE DIMENSIONS SHOWN IN DETAIL 3/S0.07.

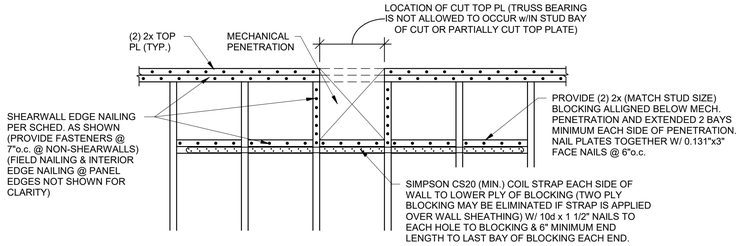
TYPICAL TOP PLATE SPLICE

2 SECTION
3/4" = 1'-0"



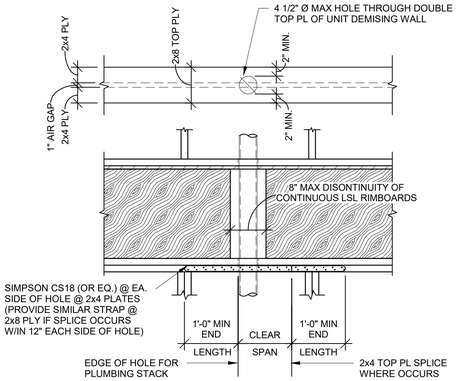
TYPICAL TOP PLATE SPLICE AT WALL SIZE TRANSITION

2A SECTION
NOT TO SCALE



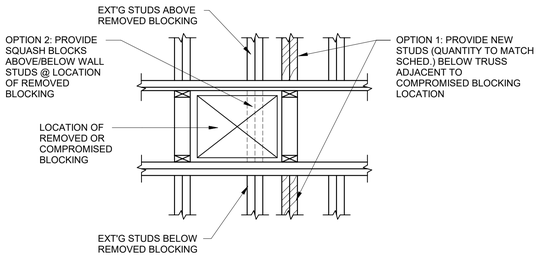
TYPICAL TOP PLATE SPLICE AT SHEARWALL OR BEARING WALL DUE TO MECH. PENETRATION

2B SECTION
NOT TO SCALE



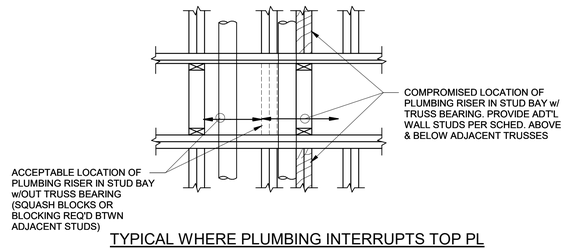
TYPICAL DETAIL AT PLUMBING STACK IN DOUBLE UNIT DEMISING WALLS

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



TYPICAL WHERE MECHANICAL DUCT INTERRUPTS LSL

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



TYPICAL WHERE PLUMBING INTERRUPTS TOP PL

5 SECTION
3/4" = 1'-0"

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S-025

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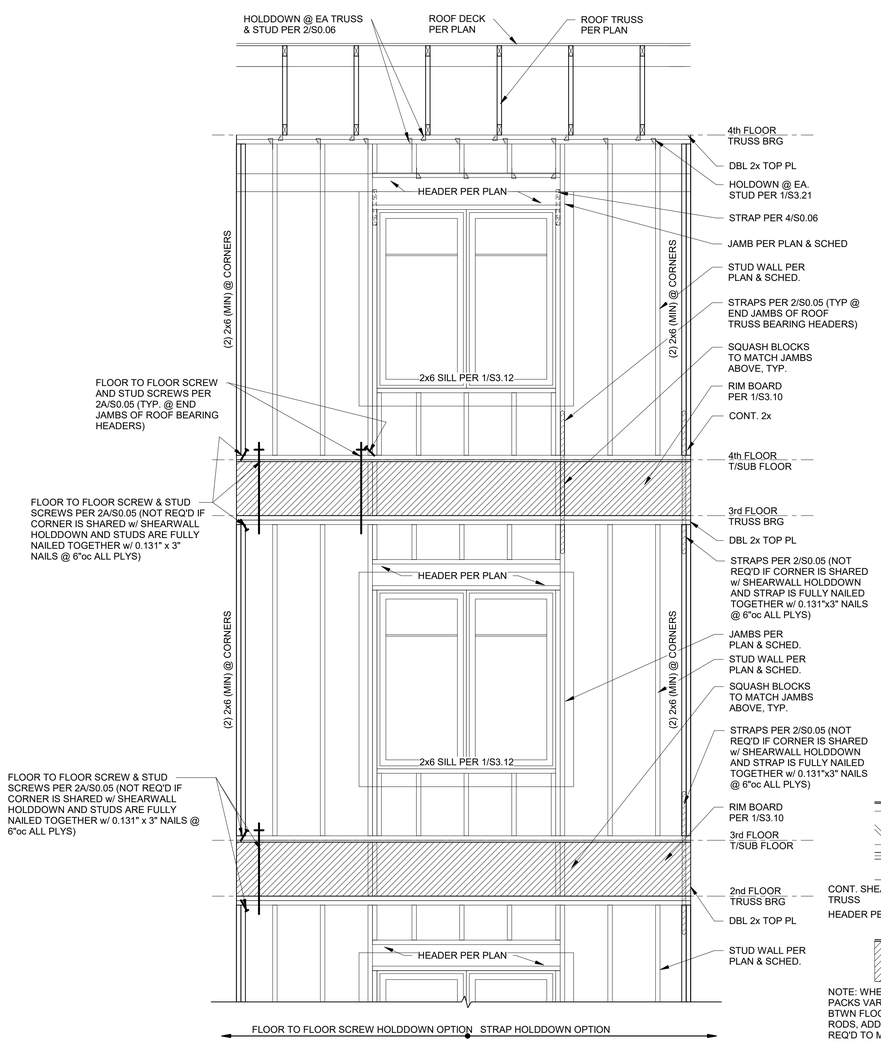
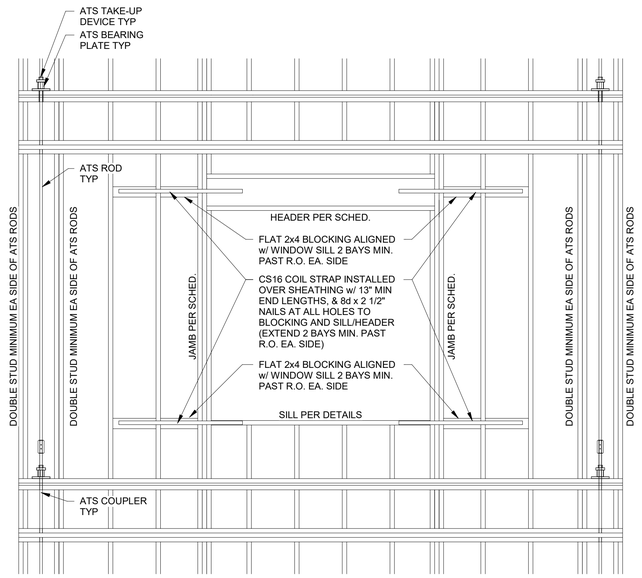
TYPICAL WOOD DETAILS



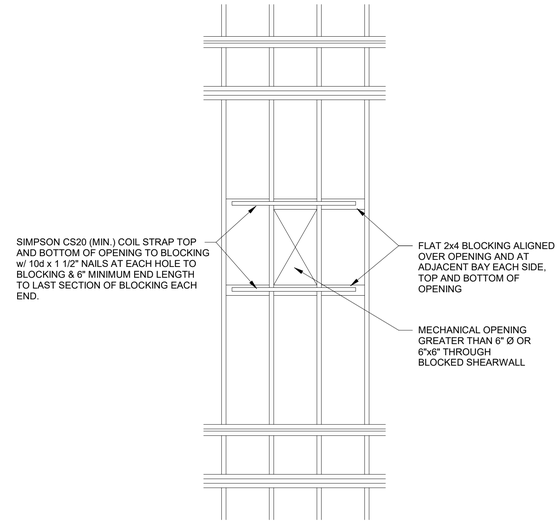
TYPICAL EXTERIOR ELEVATION OF STRUCTURAL BAY

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



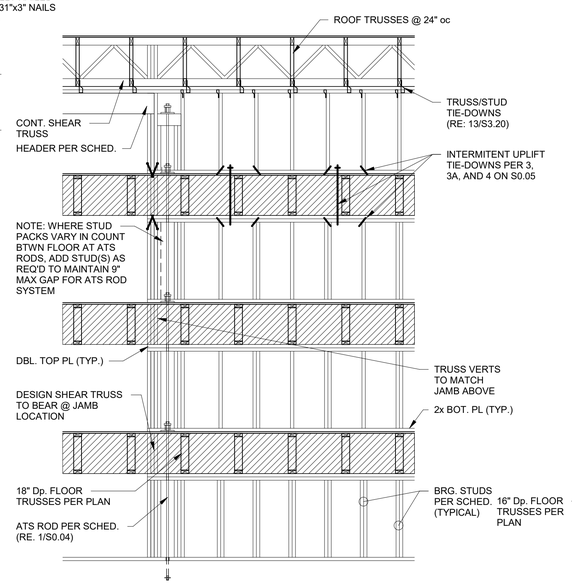
TYPICAL "SW4" FORCE TRANSFER SHEARWALL ELEVATION @ WINDOW OPENINGS

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



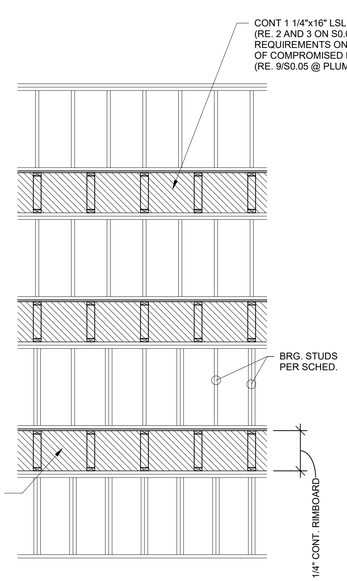
TYPICAL OPENING THROUGH BLOCKED SHEARWALL

3 ELEVATION
1/2" = 1'-0"



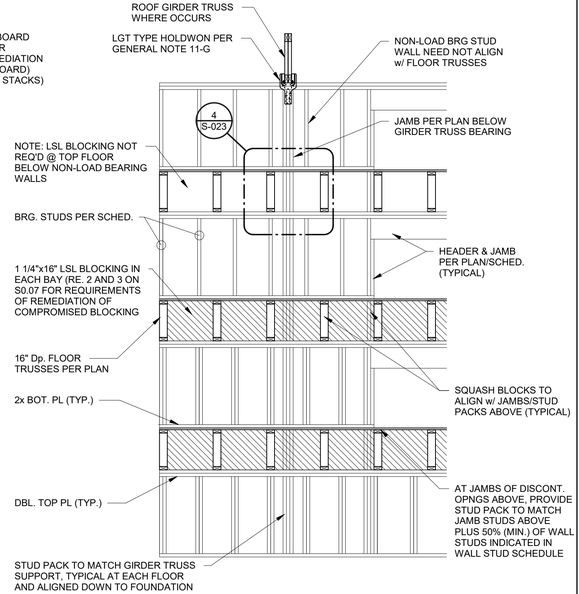
TYPICAL CORRIDOR BEARING WALL ELEVATION

A ELEVATION
3/8" = 1'-0"



TYPICAL UNIT DEMISING WALL ELEVATION

B ELEVATION
3/8" = 1'-0"



TYPICAL INTERIOR BEARING WALL ELEVATION

C ELEVATION
3/8" = 1'-0"

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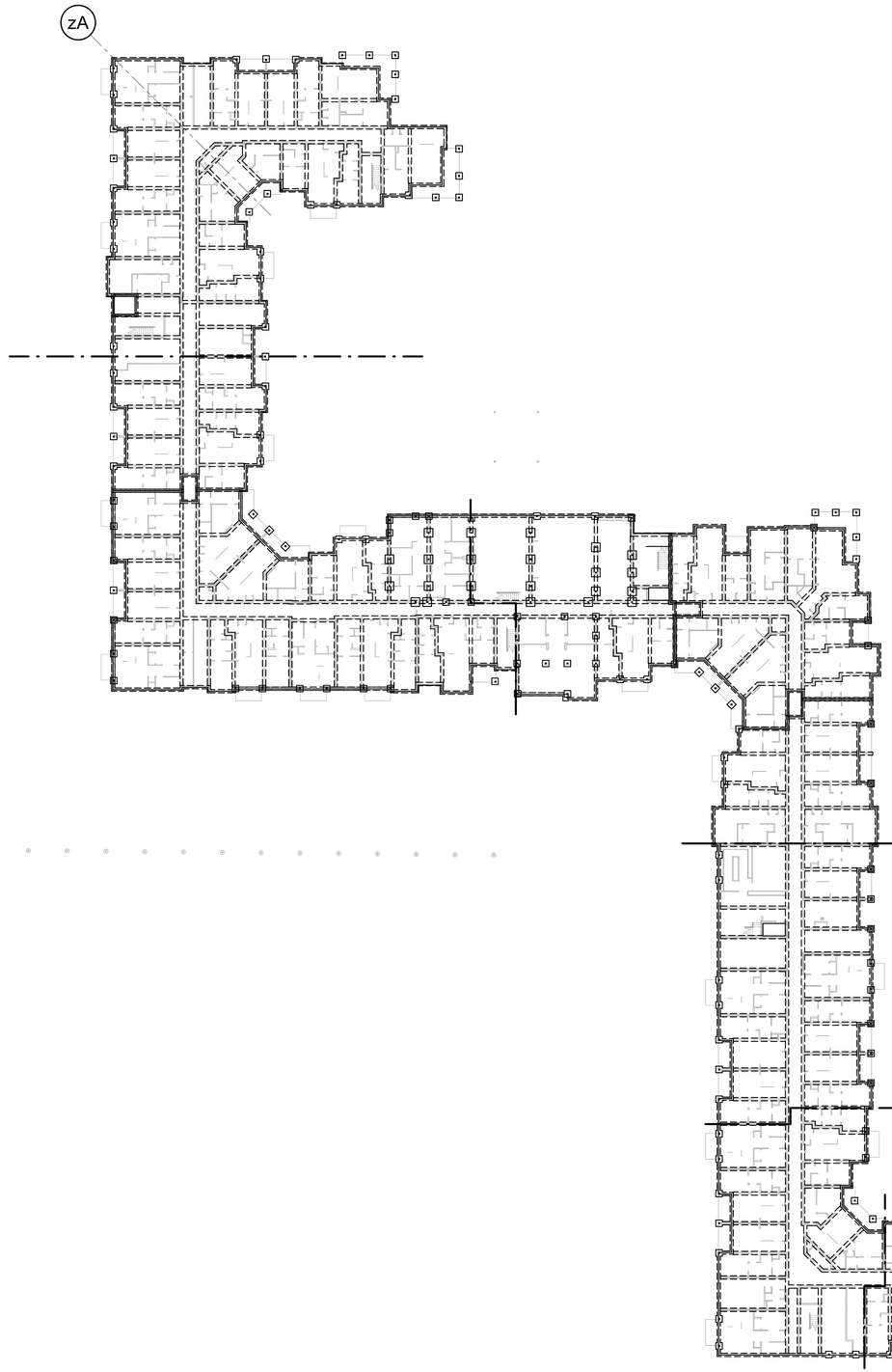
TYPICAL WOOD DETAILS



1 FIRST FLOOR FOUNDATION PLAN - OVERALL
1/32" = 1'-0"

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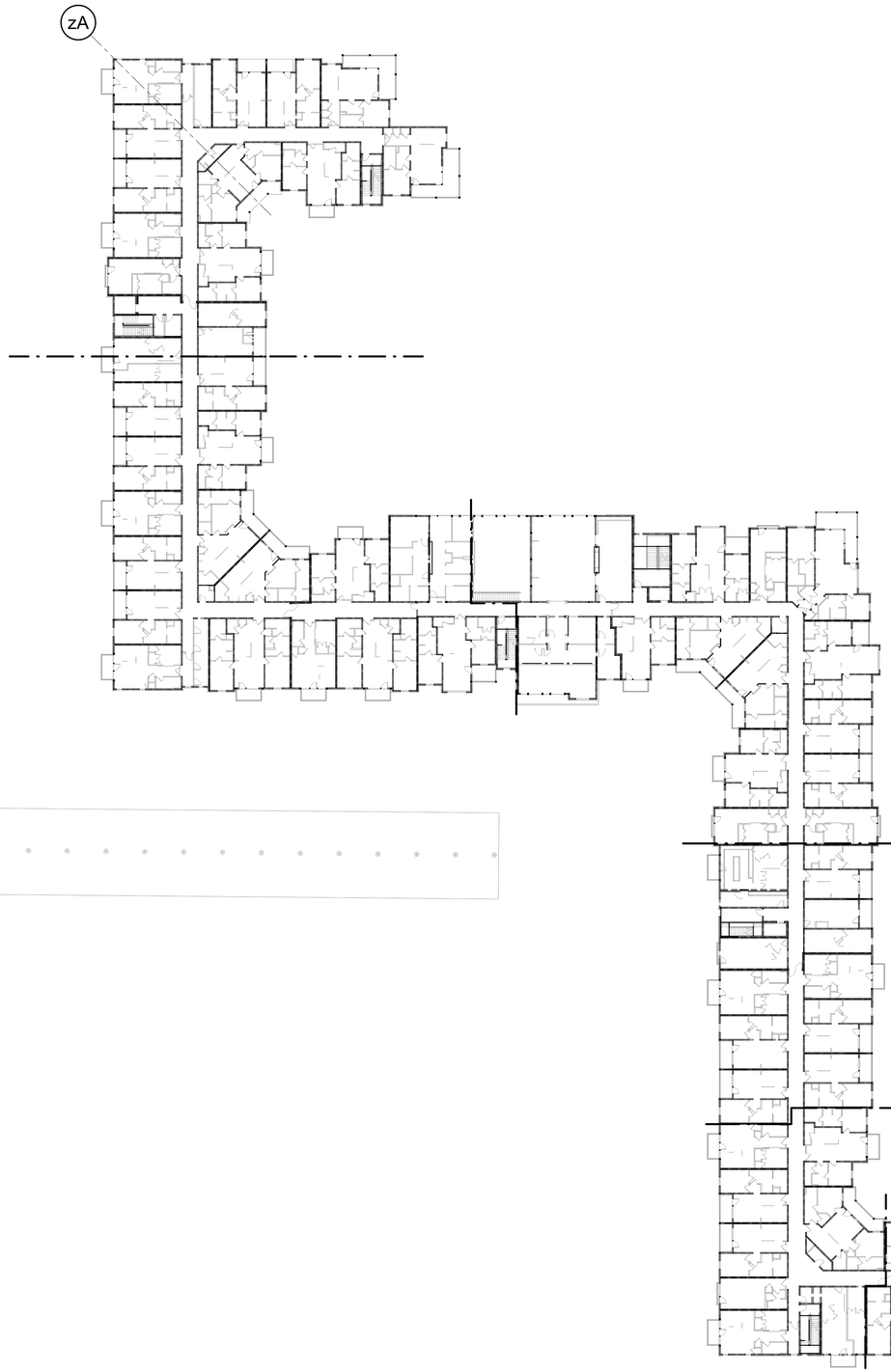
FIRST FLOOR FOUNDATION PLAN - OVERALL



1 SECOND FLOOR FRAMING PLAN
1/32" = 1'-0"

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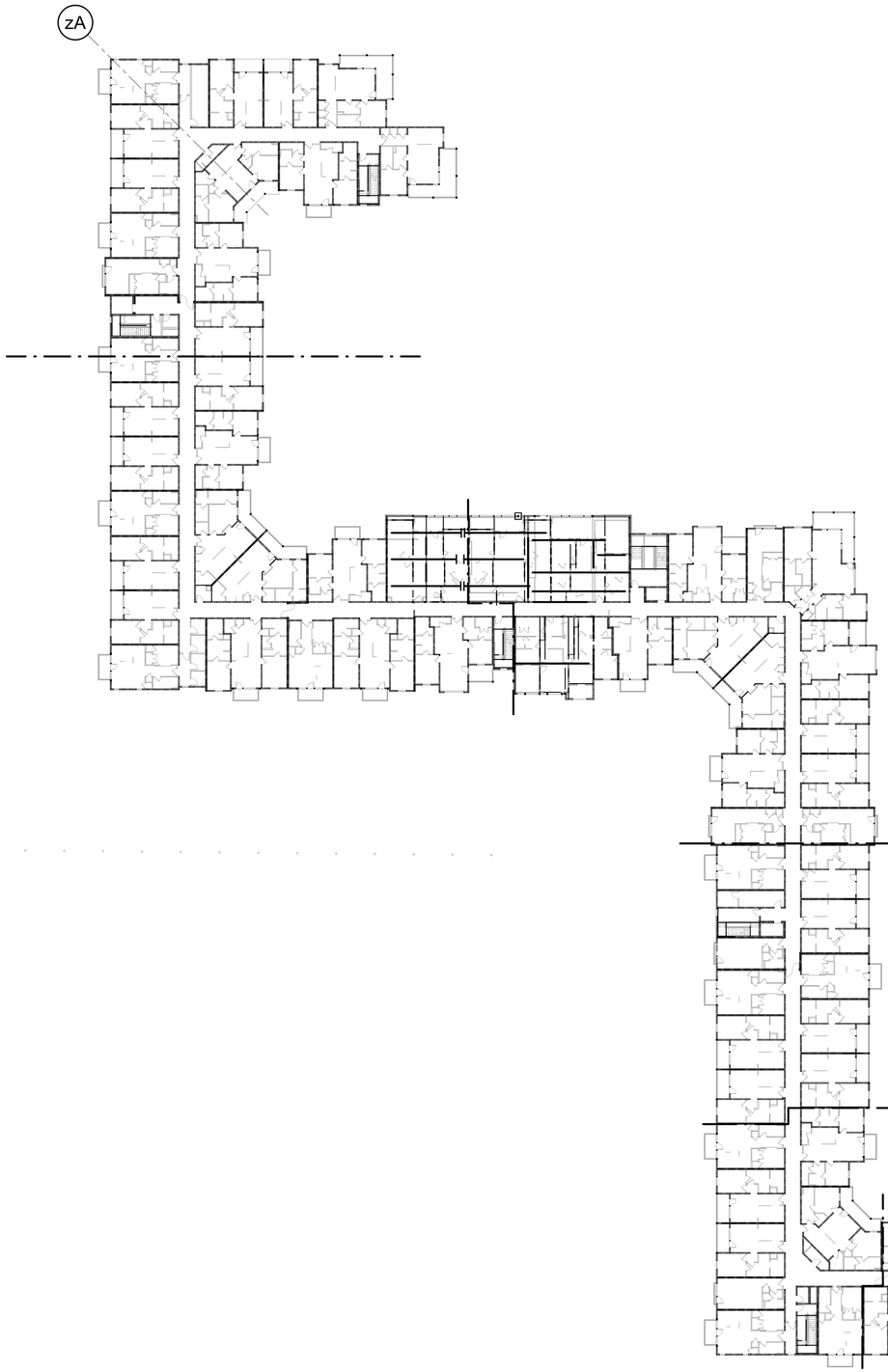
SECOND FLOOR FRAMING PLAN - OVERALL



1 THIRD FLOOR FRAMING PLAN
1/32" = 1'-0"

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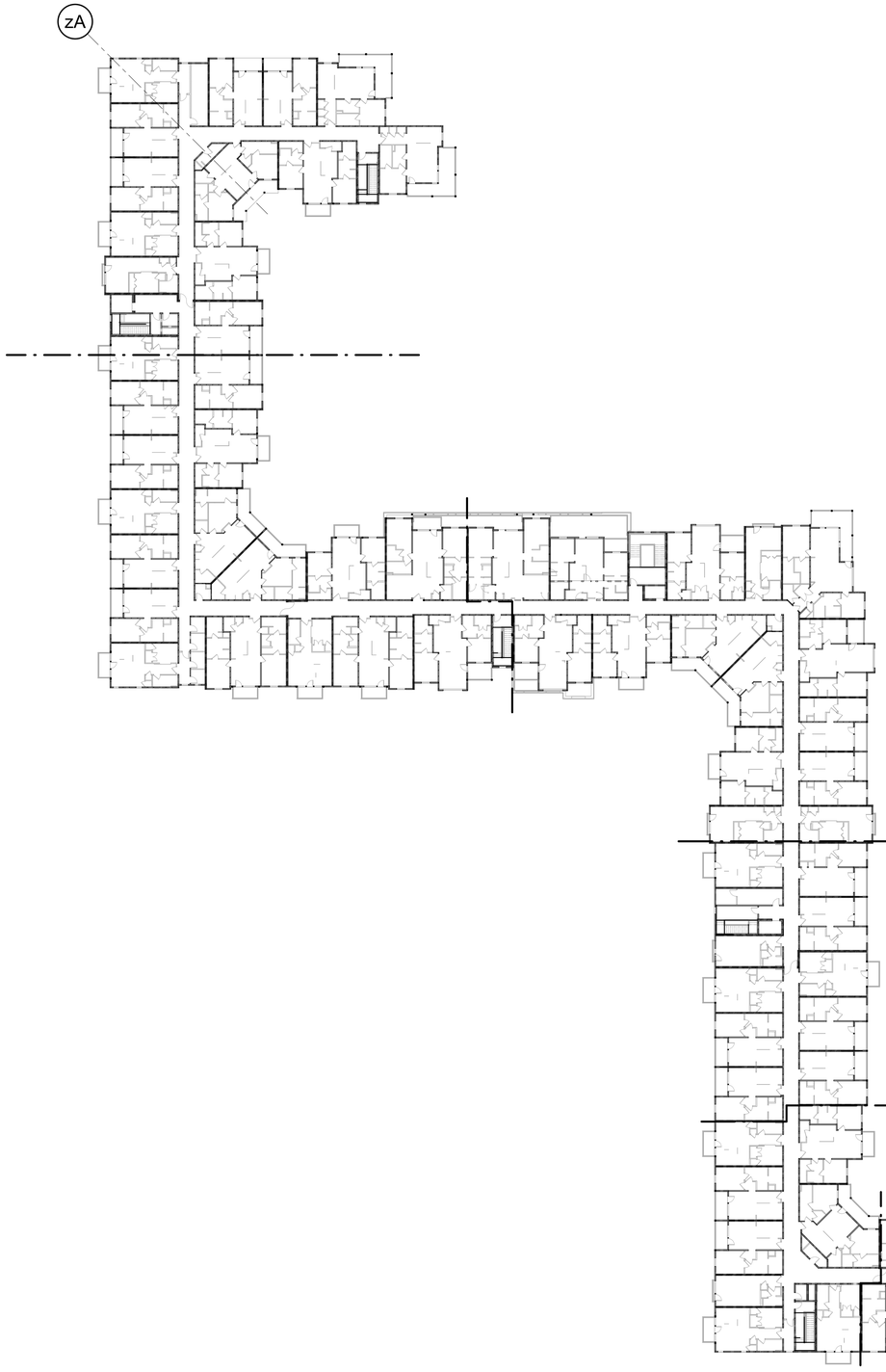
THIRD FLOOR FRAMING PLAN - OVERALL



1 FOURTH FLOOR FRAMING PLAN
1/32" = 1'-0"

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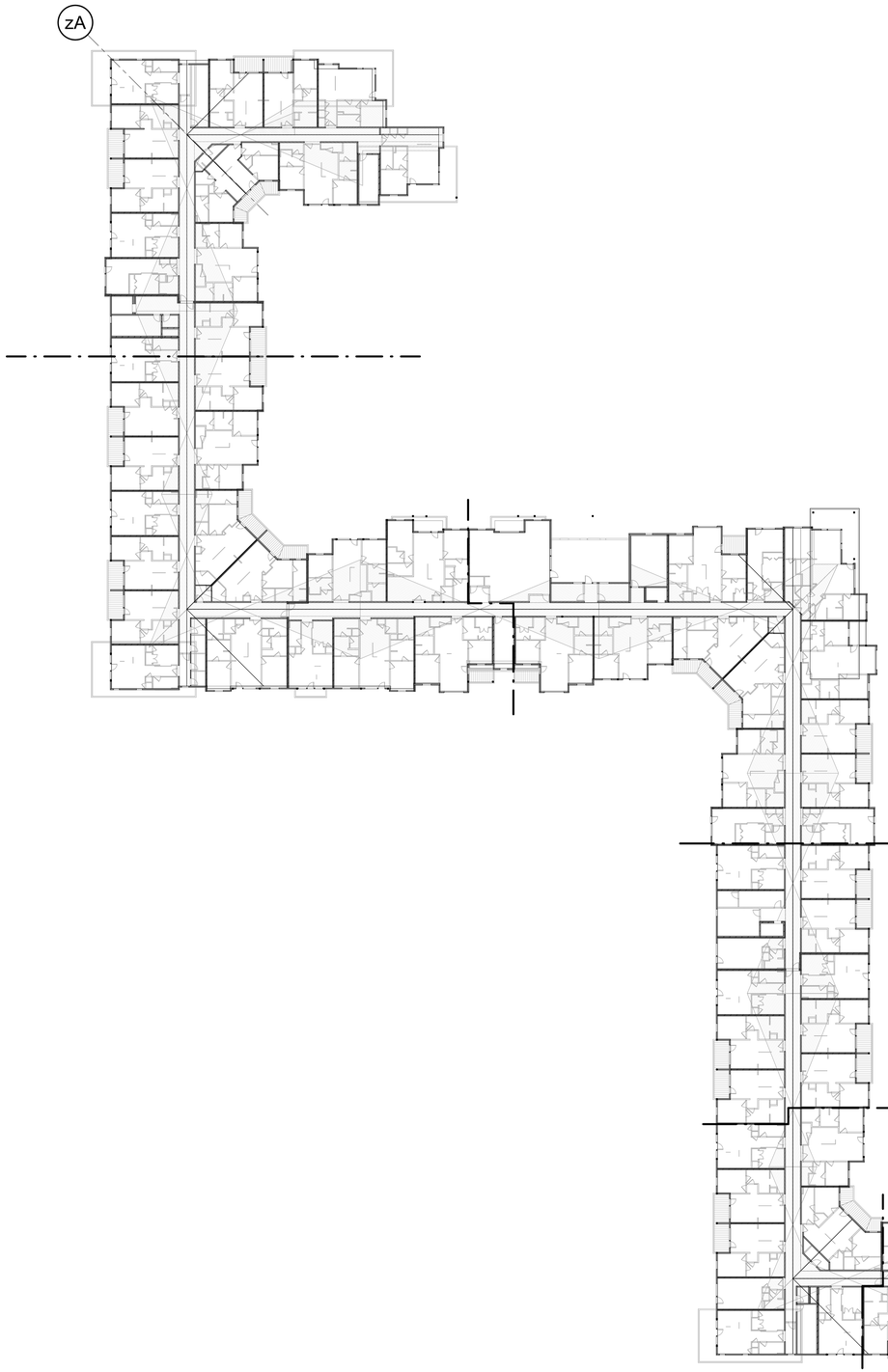
FOURTH FLOOR FRAMING PLAN - OVERALL



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

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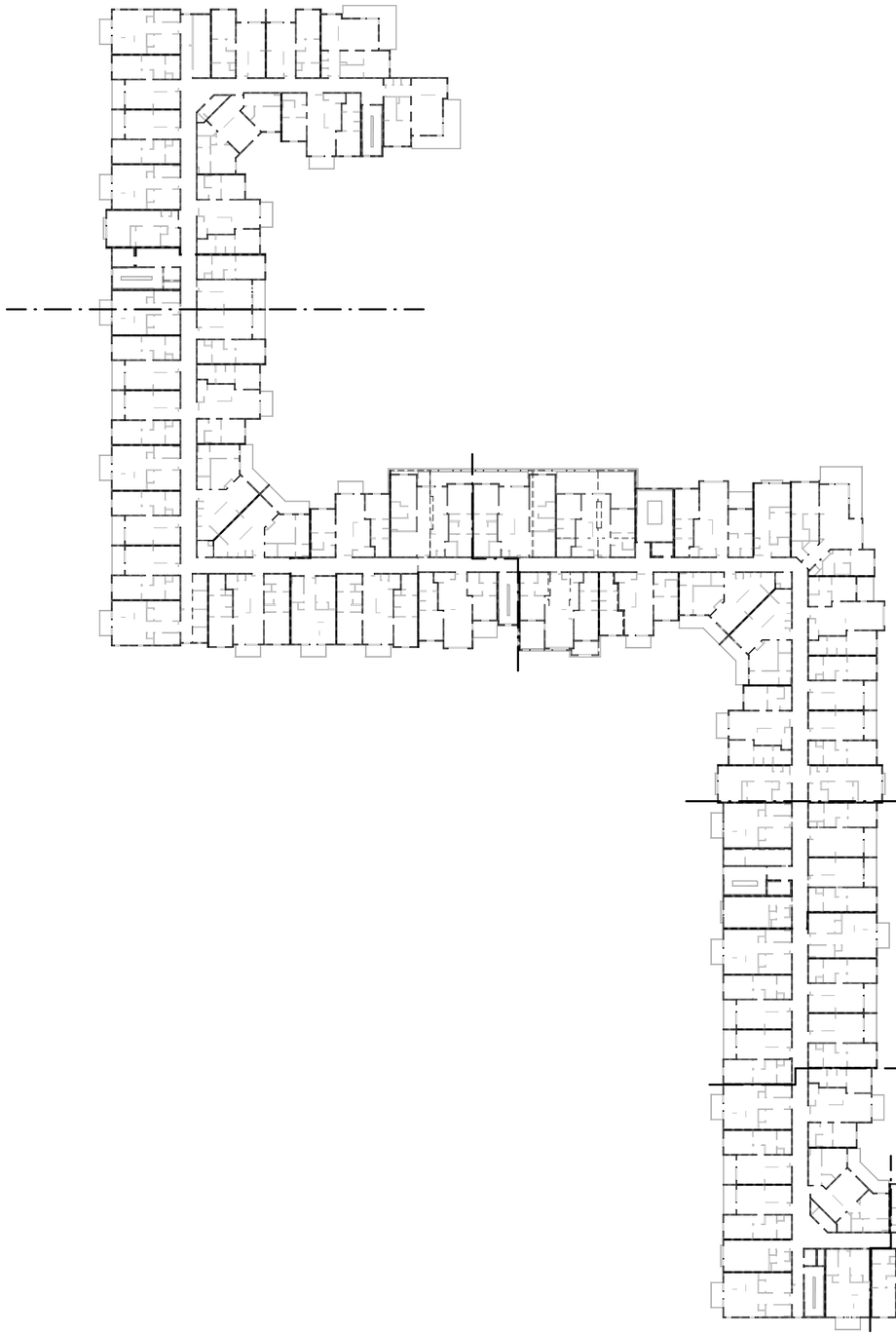
ROOF FRAMING PLAN - OVERALL



1 SHEAR AND BEARING WALL PLAN
1/32" = 1'-0"

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SHEAR AND BEARING WALL PLAN - OVERALL

SLAB ON GRADE AND FOUNDATION NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01.
2. REFER TO CIVIL DRAWINGS FOR BUILDING FINISHED FLOOR ELEVATION AT STRUCTURAL DATUM ELEVATION 100'-0".
3. REFER TO TYPICAL DETAILS ON S3.00 SERIES SHEETS. SECTIONS NOT OTHERWISE INDICATED ON PLAN SHALL BE SIMILAR TO LIKE CONDITIONS.
4. CONFIRM ALL DIMENSIONS, ELEVATIONS, SLOPES, AND RECESSES WITH ARCH DRAWINGS.
5. REFER TO SHEARWALL AND STUD BEARING WALL PLANS ON SHEETS S2.08, S2.09, & S2.14.
6. REFER TO SHEARWALL SCHEDULE ON SHEET S0.08.
7. AT ALL CONTINUOUS FOUNDATIONS, PROVIDE CORNER BARS PER 3/S3.00 AT ALL CORNERS AND INTERSECTIONS.
8. TOP OF FOUNDATION ELEVATION = 99'-0" U.N.O.
9. STRUCTURAL DATUM ELEVATION = 100'-0". CIVIL DATUM ELEVATION PER CIVIL DRAWINGS (VARIES PER BUILDING)

1 FIRST FLOOR FOUNDATION PLAN - AREA A

1/8" = 1'-0"

1 / S-111B

A

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FIRST FLOOR FOUNDATION PLAN - AREA A

SLAB ON GRADE AND FOUNDATION NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01.
2. REFER TO CIVIL DRAWINGS FOR BUILDING FINISHED FLOOR ELEVATION AT STRUCTURAL DATUM ELEVATION 100'-0".
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9. STRUCTURAL DATUM ELEVATION = 100'-0". CIVIL DATUM ELEVATION PER CIVIL DRAWINGS (VARIES PER BUILDING)

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B

FIRST FLOOR FOUNDATION PLAN - AREA B

1 FIRST FLOOR FOUNDATION PLAN - AREA B

1/8" = 1'-0"

1 FIRST FLOOR FOUNDATION PLAN - AREA C

1/8" = 1'-0"

SLAB ON GRADE AND FOUNDATION NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01.
2. REFER TO CIVIL DRAWINGS FOR BUILDING FINISHED FLOOR ELEVATION AT STRUCTURAL DATUM ELEVATION 100'-0".
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9. STRUCTURAL DATUM ELEVATION = 100'-0". CIVIL DATUM ELEVATION PER CIVIL DRAWINGS (VARIES PER BUILDING)

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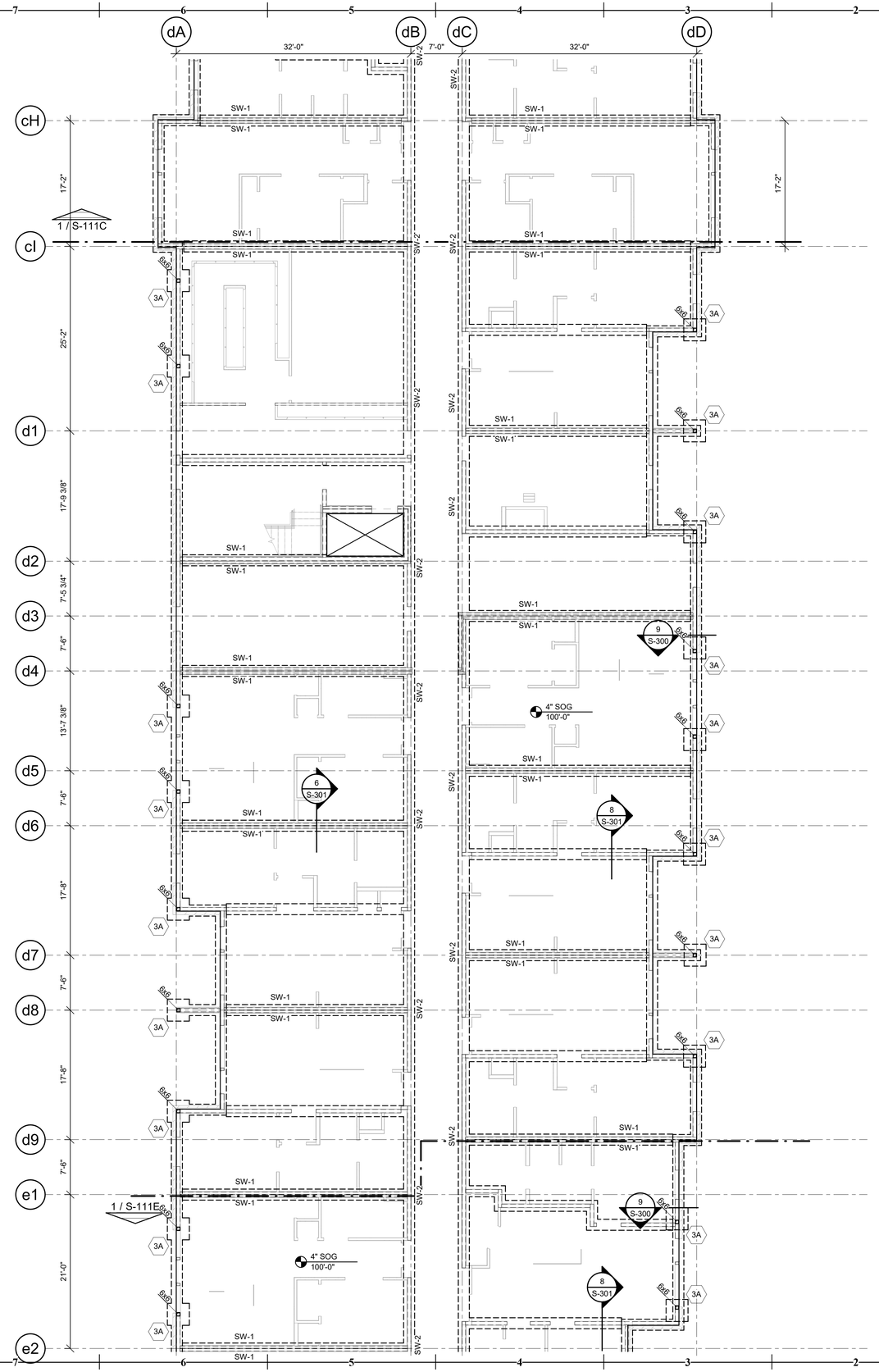
FIRST FLOOR FOUNDATION PLAN - AREA C



1 FIRST FLOOR FOUNDATION PLAN - AREA D

1/8" = 1'-0"

SLAB ON GRADE AND FOUNDATION NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01.
2. REFER TO CIVIL DRAWINGS FOR BUILDING FINISHED FLOOR ELEVATION AT STRUCTURAL DATUM ELEVATION 100'-0".
3. REFER TO TYPICAL DETAILS ON S3.00 SERIES SHEETS. SECTIONS NOT OTHERWISE INDICATED ON PLAN SHALL BE SIMILAR TO LIKE CONDITIONS.
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8. TOP OF FOUNDATION ELEVATION = 99'-0" U.N.O.
9. STRUCTURAL DATUM ELEVATION = 100'-0". CIVIL DATUM ELEVATION PER CIVIL DRAWINGS (VARIES PER BUILDING)

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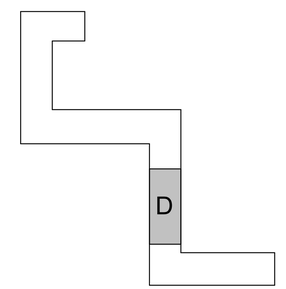
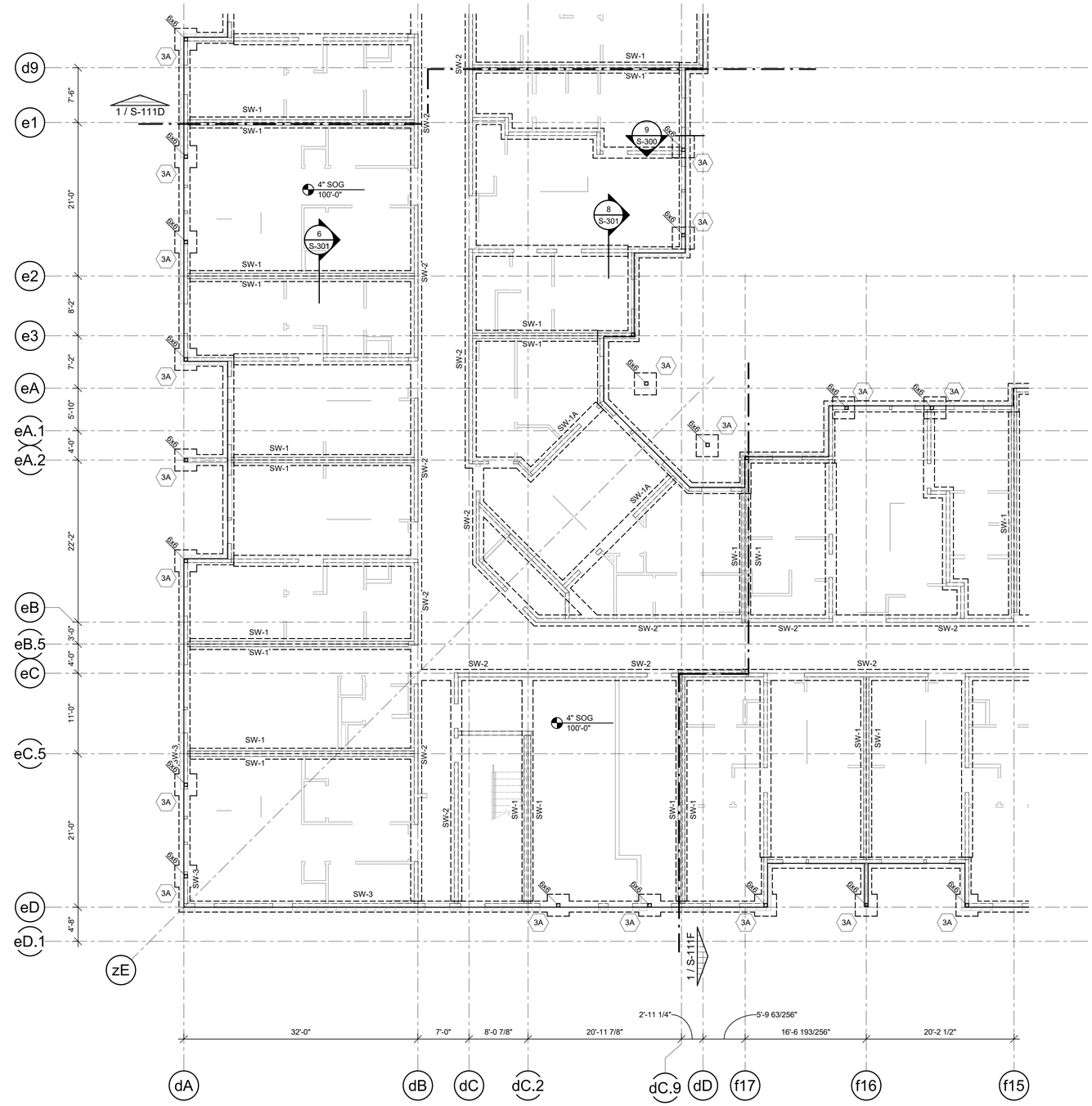


FIRST FLOOR FOUNDATION PLAN - AREA D



1 FIRST FLOOR FOUNDATION PLAN - AREA E

1/8" = 1'-0"

SLAB ON GRADE AND FOUNDATION NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01.
2. REFER TO CIVIL DRAWINGS FOR BUILDING FINISHED FLOOR ELEVATION AT STRUCTURAL DATUM ELEVATION 100'-0".
3. REFER TO TYPICAL DETAILS ON S3.00 SERIES SHEETS. SECTIONS NOT OTHERWISE INDICATED ON PLAN SHALL BE SIMILAR TO LIKE CONDITIONS.
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6. REFER TO SHEARWALL SCHEDULE ON SHEET S0.08.
7. AT ALL CONTINUOUS FOUNDATIONS, PROVIDE CORNER BARS PER 3/S3.00 AT ALL CORNERS AND INTERSECTIONS.
8. TOP OF FOUNDATION ELEVATION = 99'-0" U.N.O.
9. STRUCTURAL DATUM ELEVATION = 100'-0". CIVIL DATUM ELEVATION PER CIVIL DRAWINGS (VARIES PER BUILDING)

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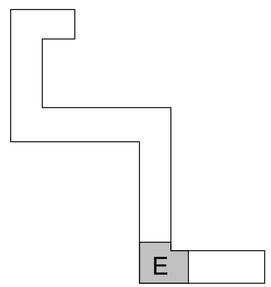

FIRST FLOOR FOUNDATION PLAN - AREA E

SLAB ON GRADE AND FOUNDATION NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01.
2. REFER TO CIVIL DRAWINGS FOR BUILDING FINISHED FLOOR ELEVATION AT STRUCTURAL DATUM ELEVATION 100'-0".
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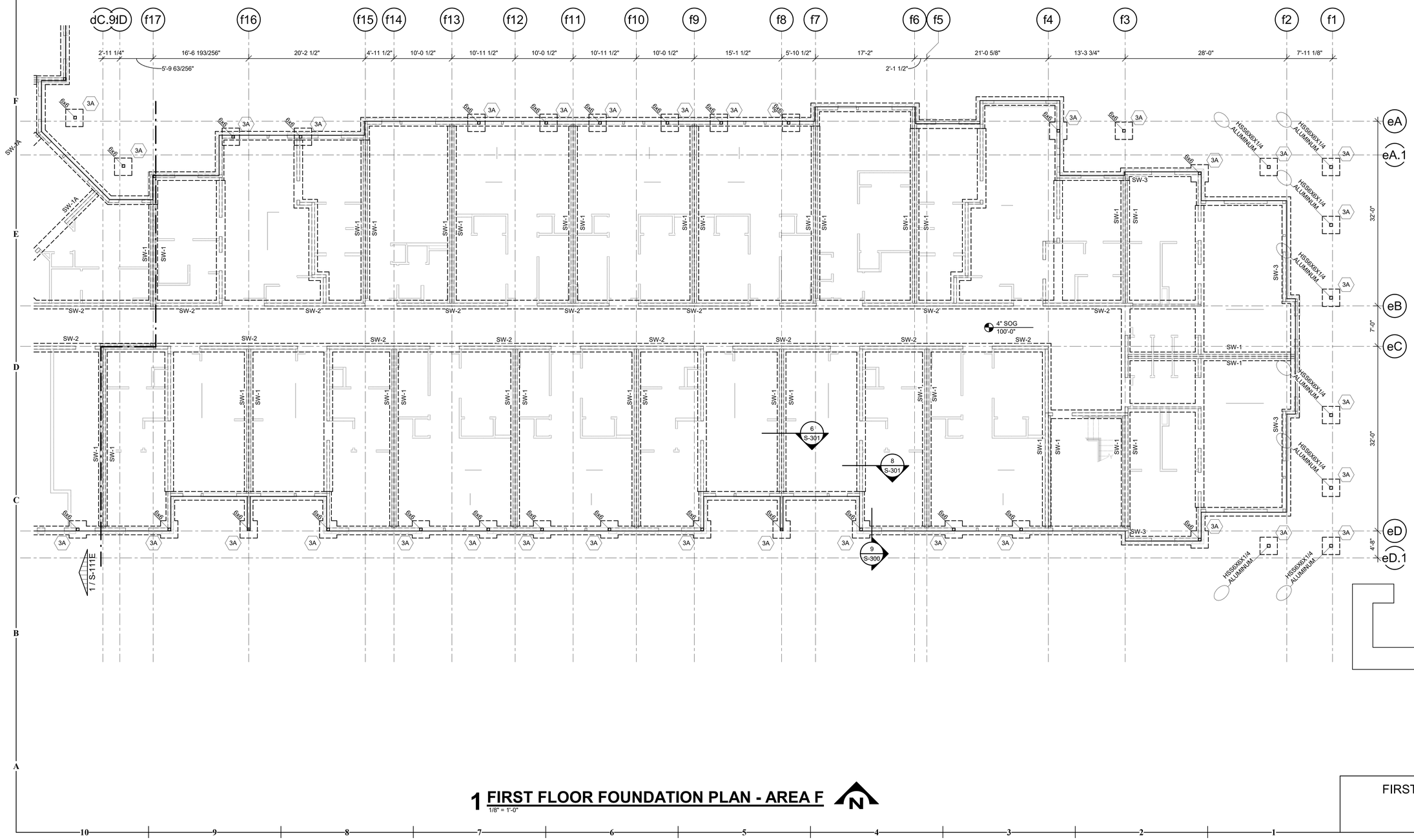
8. TOP OF FOUNDATION ELEVATION = 99'-0" U.N.O.
9. STRUCTURAL DATUM ELEVATION = 100'-0". CIVIL DATUM ELEVATION PER CIVIL DRAWINGS (VARIES PER BUILDING)



1 FIRST FLOOR FOUNDATION PLAN - AREA F

1/8" = 1'-0"

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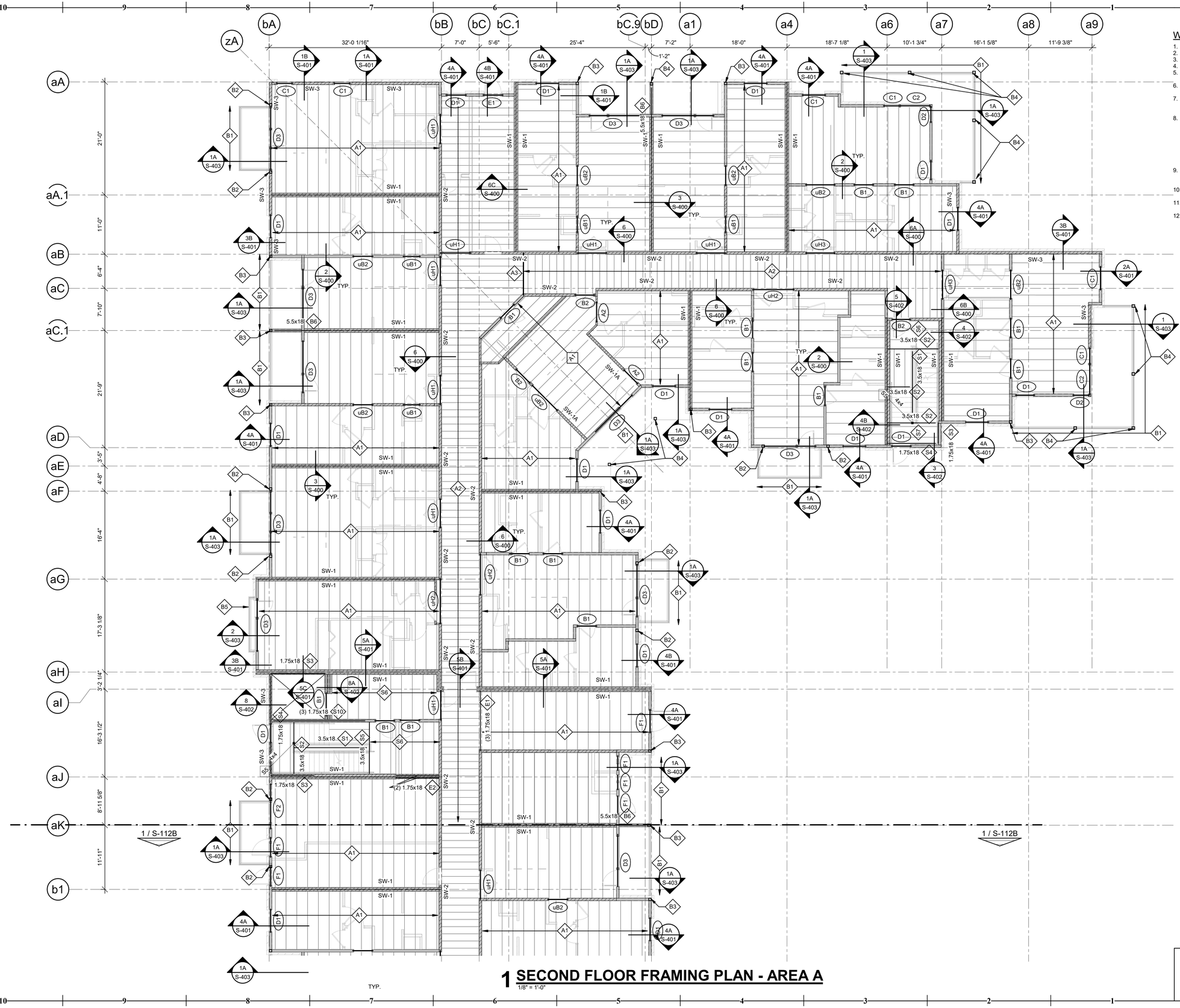
FIRST FLOOR FOUNDATION PLAN - AREA F



1 SECOND FLOOR FRAMING PLAN - AREA A

1/8" = 1'-0"

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SECOND FLOOR FRAMING PLAN - AREA A

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
4. REFER TO HEADER SCHEDULE ON SHEET S0.02
5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
6. REFER TO TYPICAL WOOD DETAILS ON SHEET S0.03 THROUGH S0.08
7. REFER TO FLOOR FRAMING DETAILS ON S3.10 SERIES SHEETS FOR SIMILAR CONDITIONS NOT OTHERWISE INDICATED
8. PRE-ENGINEERED FLOOR TRUSSES SHALL BE DESIGNED PER THE LOADING CRITERIA OUTLINED IN THE STRUCTURAL GENERAL NOTES AND ANY FOR ANY SPECIAL LOADING CONDITIONS DEFINED WITHIN THESE DRAWINGS. PROVIDE TRUSS SPACE DIRECTLY ABOVE AND CENTERED OVER HVAC CLOSETS (REFER TO ARCH. & MEP DRAWINGS FOR LOCATIONS)
9. REFER TO SHEARWALL AND WALL TYPE PLANS FOR ADDITIONAL BEARING WALL AND SHEARWALL INFORMATION
10. PROVIDE "FD-1" FLOOR DECK AT ALL INTERIOR FLOOR LOCATIONS U.N.O.
11. REFER TO TYPICAL BALCONY FRAMING DETAILS ON SHEET S3.12.
12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.

1 SECOND FLOOR FRAMING PLAN - AREA B
1/8" = 1'-0"

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SECOND FLOOR FRAMING PLAN - AREA B

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
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5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
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11. REFER TO TYPICAL BALCONY FRAMING DETAILS ON SHEET S3.12.
12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.

1 SECOND FLOOR FRAMING PLAN - AREA C

1/8" = 1'-0"

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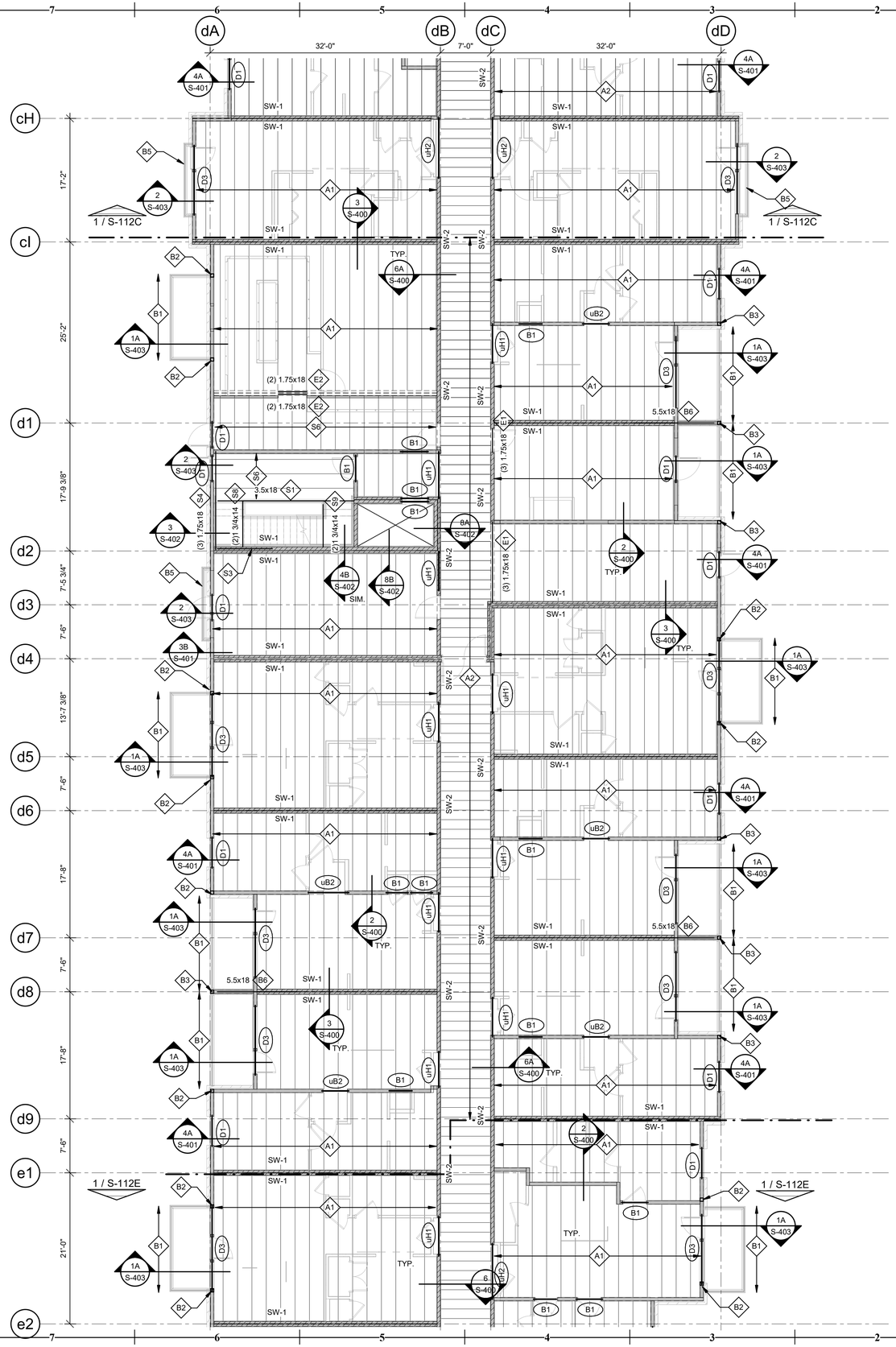
SECOND FLOOR FRAMING PLAN - AREA C



WOOD FLOOR FRAMING NOTES

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2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
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12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.

1 SECOND FLOOR FRAMING PLAN - AREA D

1/8" = 1'-0"

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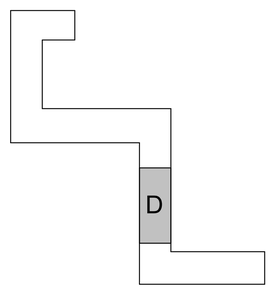
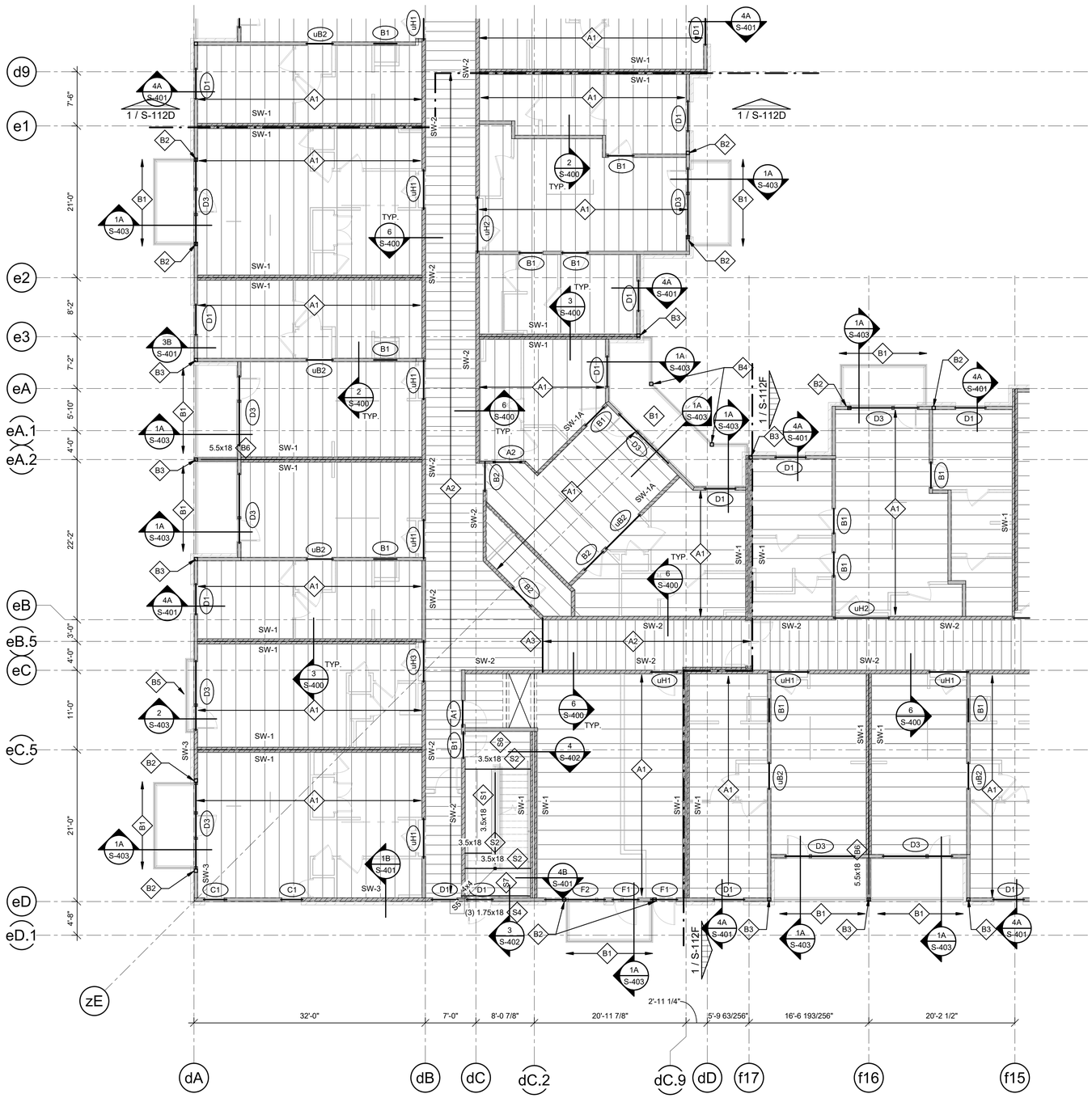


SECOND FLOOR FRAMING PLAN - AREA D



1 SECOND FLOOR FRAMING PLAN - AREA E

1/8" = 1'-0"

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
4. REFER TO HEADER SCHEDULE ON SHEET S0.02
5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
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12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.

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SECOND FLOOR FRAMING PLAN - AREA E

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
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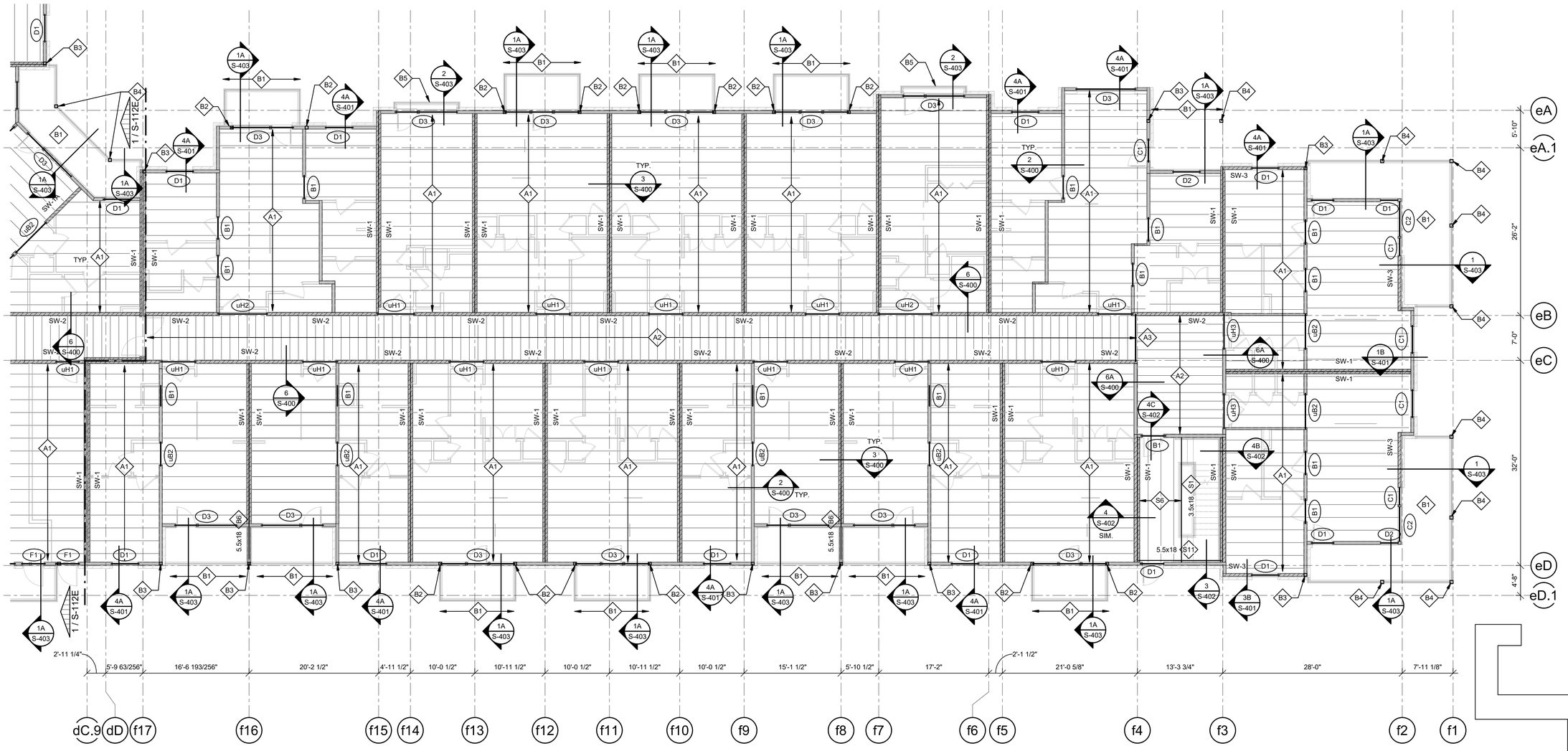
12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.



1 SECOND FLOOR FRAMING PLAN - AREA F

1/8" = 1'-0"

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SECOND FOOR FRAMING PLAN - AREA F

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
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12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.

1 THIRD FLOOR FRAMING PLAN - AREA A
1/8" = 1'-0"

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THIRD FLOOR FRAMING PLAN - AREA A

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
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12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.

1 THIRD FLOOR FRAMING PLAN - AREA B

1/8" = 1'-0"

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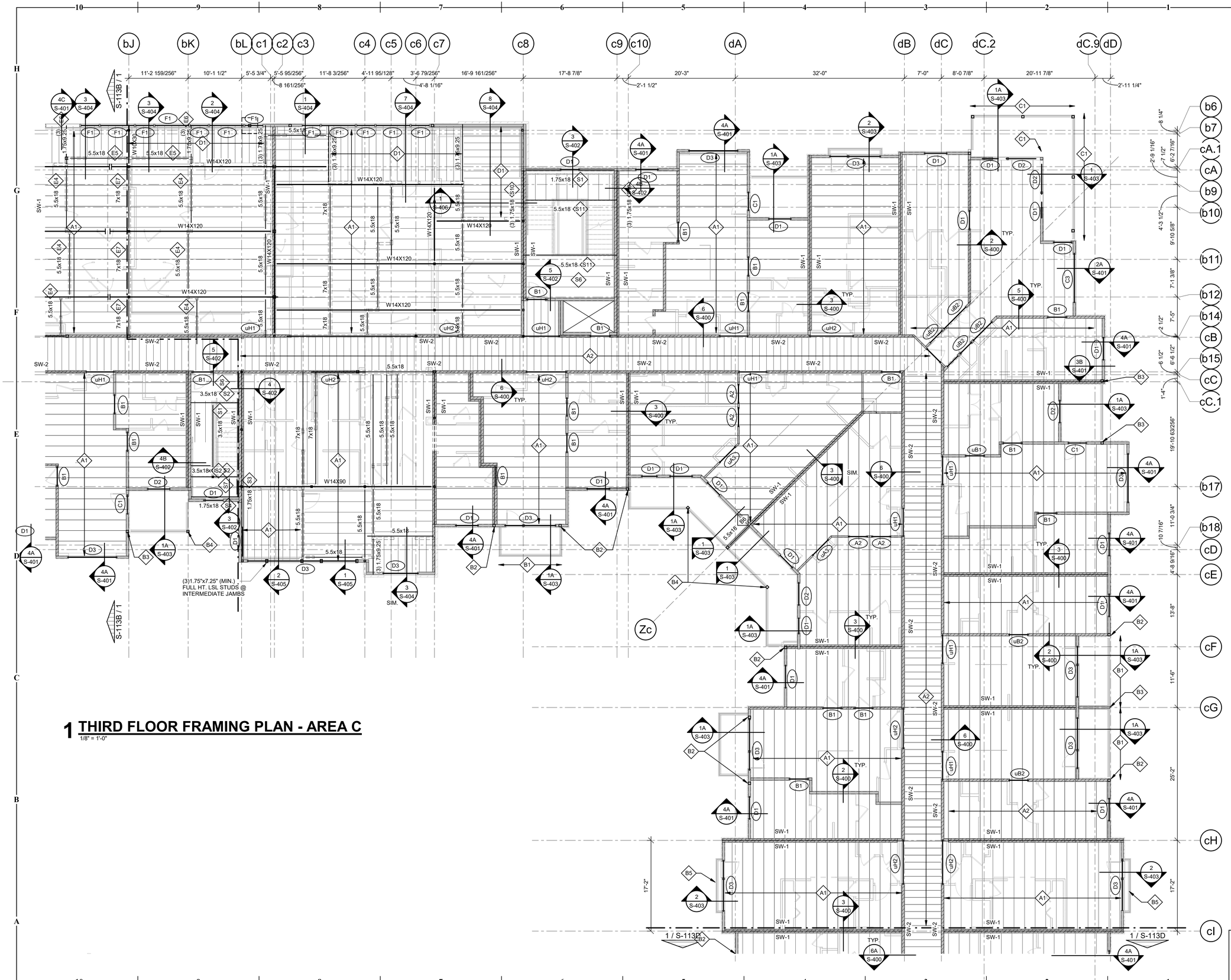
THIRD FLOOR FRAMING PLAN - AREA B



1 THIRD FLOOR FRAMING PLAN - AREA C

1/8" = 1'-0"

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
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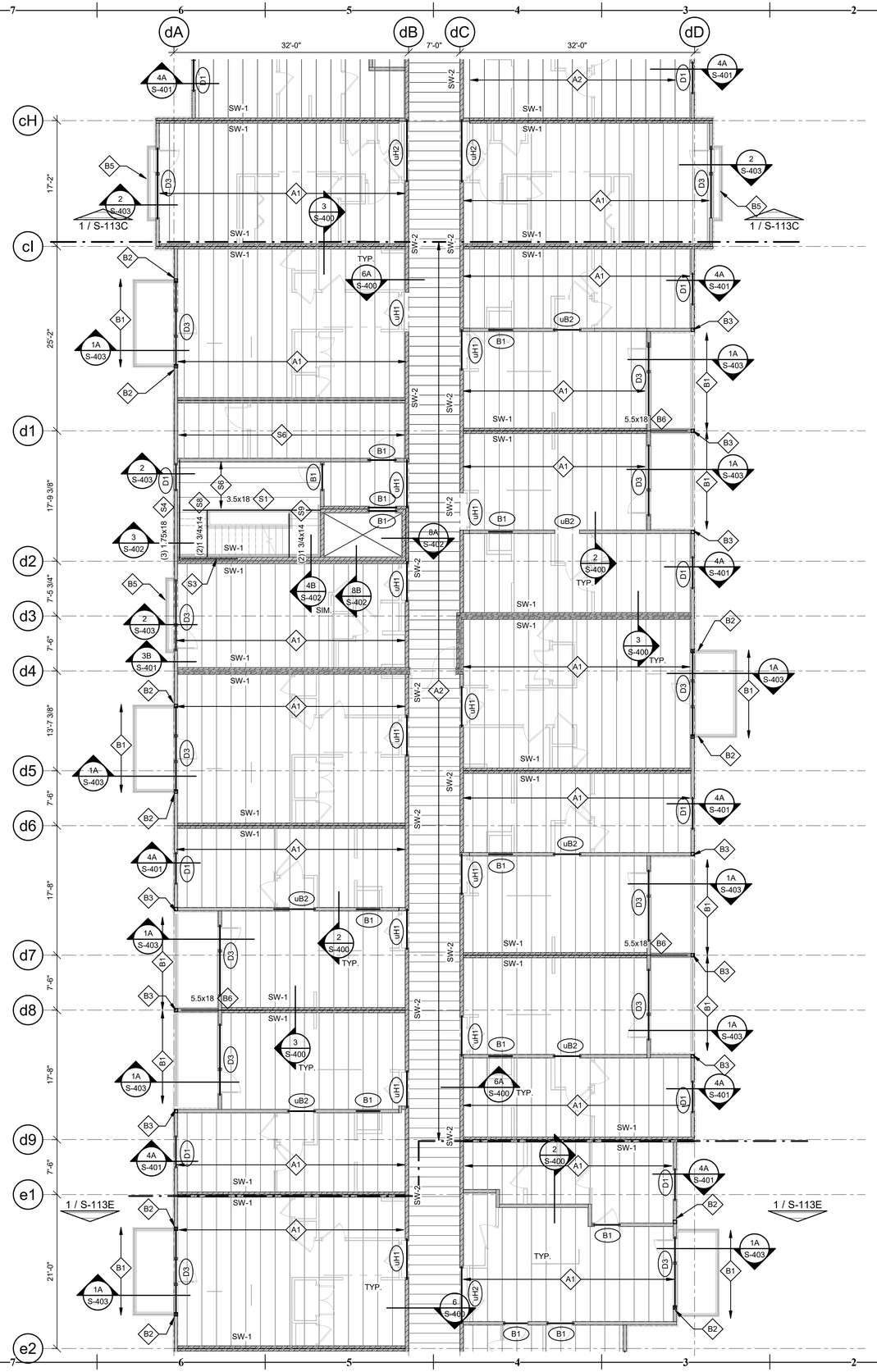
THIRD FLOOR FRAMING PLAN - AREA C



1 THIRD FLOOR FRAMING PLAN - AREA D

1/8" = 1'-0"

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
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THIRD FLOOR FRAMING PLAN - AREA D

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
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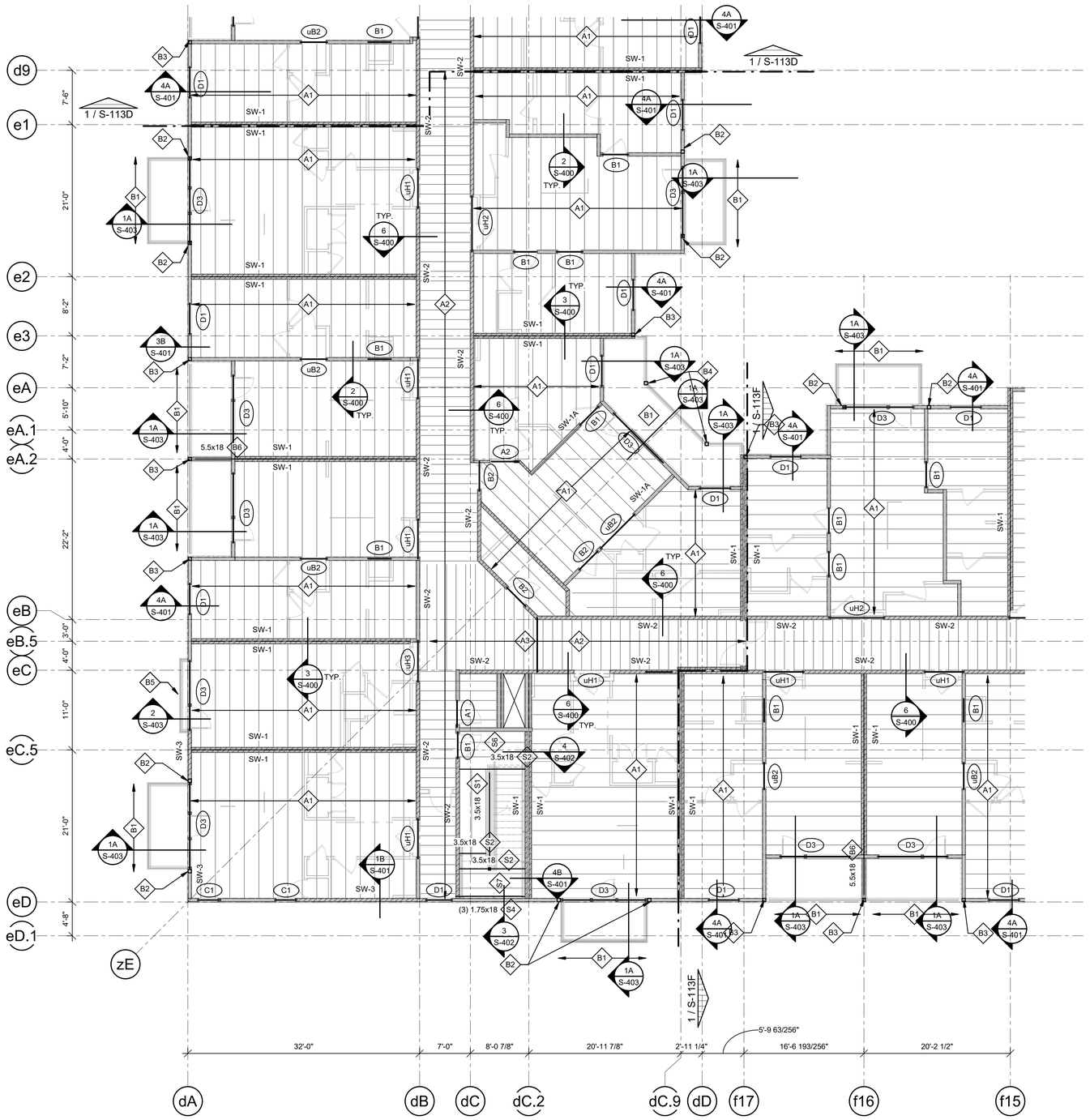

1 THIRD FLOOR FRAMING PLAN - AREA E

1/8" = 1'-0"

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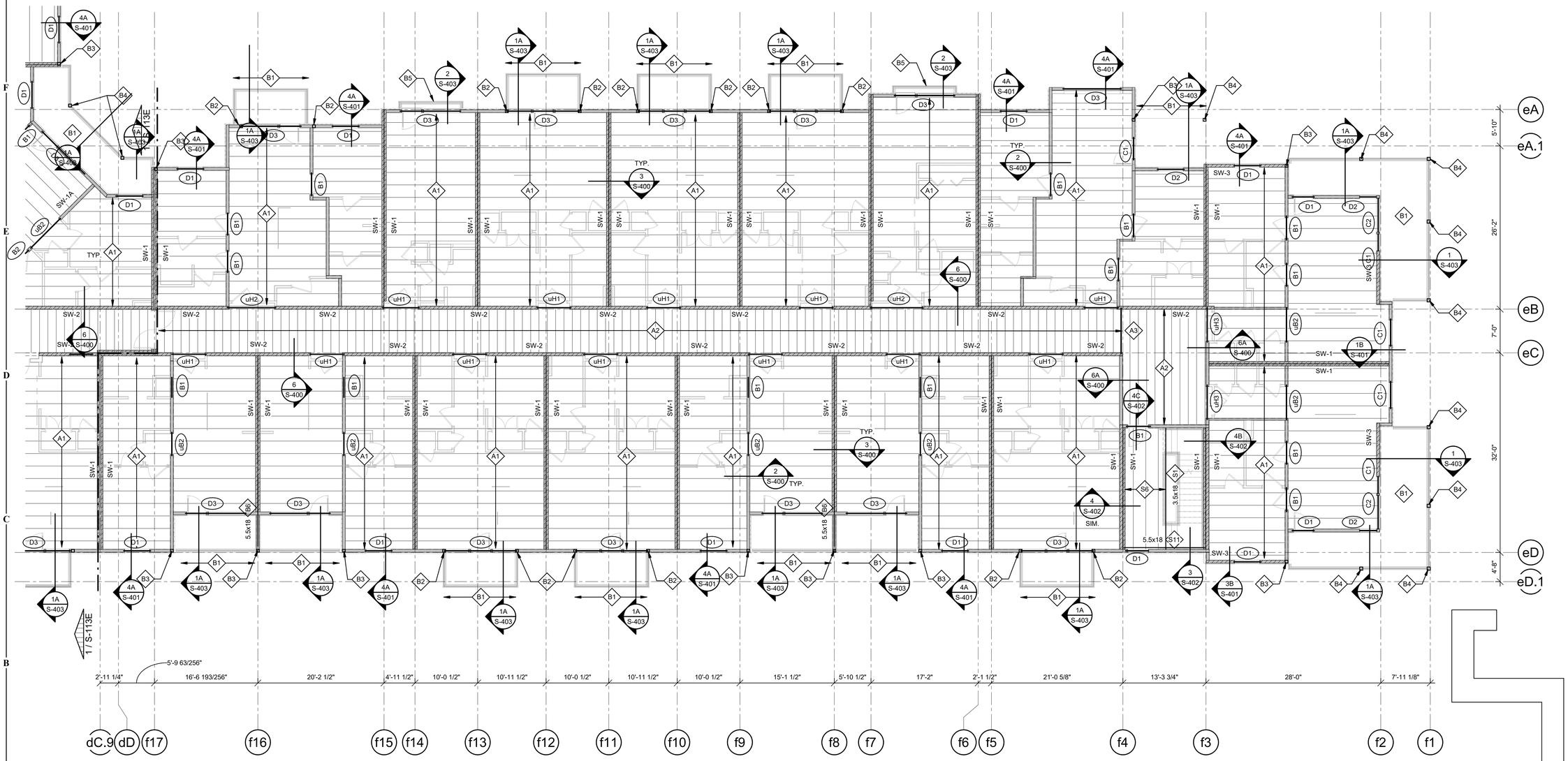
HOEFER WELKER #: 1259011

E

THIRD FLOOR FRAMING PLAN - AREA E

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
4. REFER TO HEADER SCHEDULE ON SHEET S0.02
5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
6. REFER TO TYPICAL WOOD DETAILS ON SHEET S0.03 THROUGH S0.08
7. REFER TO FLOOR FRAMING DETAILS ON S3.10 SERIES SHEETS FOR SIMILAR CONDITIONS NOT OTHERWISE INDICATED
8. PRE-ENGINEERED FLOOR TRUSSES SHALL BE DESIGNED PER THE LOADING CRITERIA OUTLINED IN THE STRUCTURAL GENERAL NOTES AND ANY FOR ANY SPECIAL LOADING CONDITIONS DEFINED WITHIN THESE DRAWINGS. PROVIDE TRUSS SPACE DIRECTLY ABOVE AND CENTERED OVER HVAC CLOSETS (REFER TO ARCH. & MEP DRAWINGS FOR LOCATIONS)
9. REFER TO SHEARWALL AND WALL TYPE PLANS FOR ADDITIONAL BEARING WALL AND SHEARWALL INFORMATION
10. PROVIDE "FD-1" FLOOR DECK AT ALL INTERIOR FLOOR LOCATIONS U.N.O.
11. REFER TO TYPICAL BALCONY FRAMING DETAILS ON SHEET S3.12.
12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.



1 THIRD FLOOR FRAMING PLAN - AREA F

1/8" = 1'-0"

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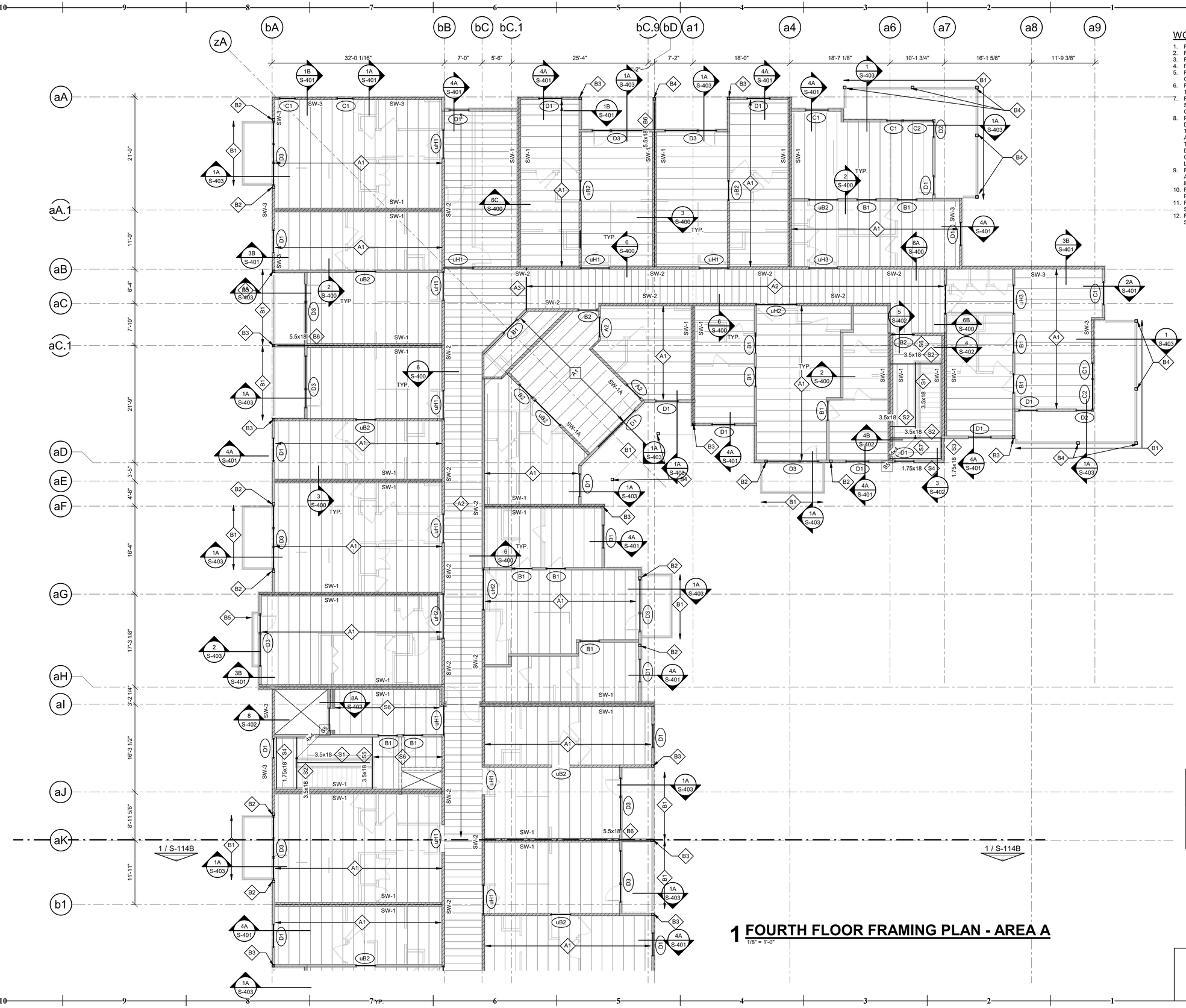
THIRD FLOOR FRAMING PLAN - AREA F



1 FOURTH FLOOR FRAMING PLAN - AREA A

1/8" = 1'-0"

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
4. REFER TO HEADER SCHEDULE ON SHEET S0.02
5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
6. REFER TO TYPICAL WOOD DETAILS ON SHEET S0.03 THROUGH S0.08
7. REFER TO FLOOR FRAMING DETAILS ON S3.10 SERIES SHEETS FOR SIMILAR CONDITIONS NOT OTHERWISE INDICATED
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10. PROVIDE "FD-1" FLOOR DECK AT ALL INTERIOR FLOOR LOCATIONS U.N.O.
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12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.

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FOURTH FLOOR FRAMING PLAN - AREA A

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
4. REFER TO HEADER SCHEDULE ON SHEET S0.02
5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
6. REFER TO TYPICAL WOOD DETAILS ON SHEET S0.03 THROUGH S0.08
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11. REFER TO TYPICAL BALCONY FRAMING DETAILS ON SHEET S3.12.
12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.

1 FOURTH FLOOR FRAMING PLAN - AREA B

1/8" = 1'-0"

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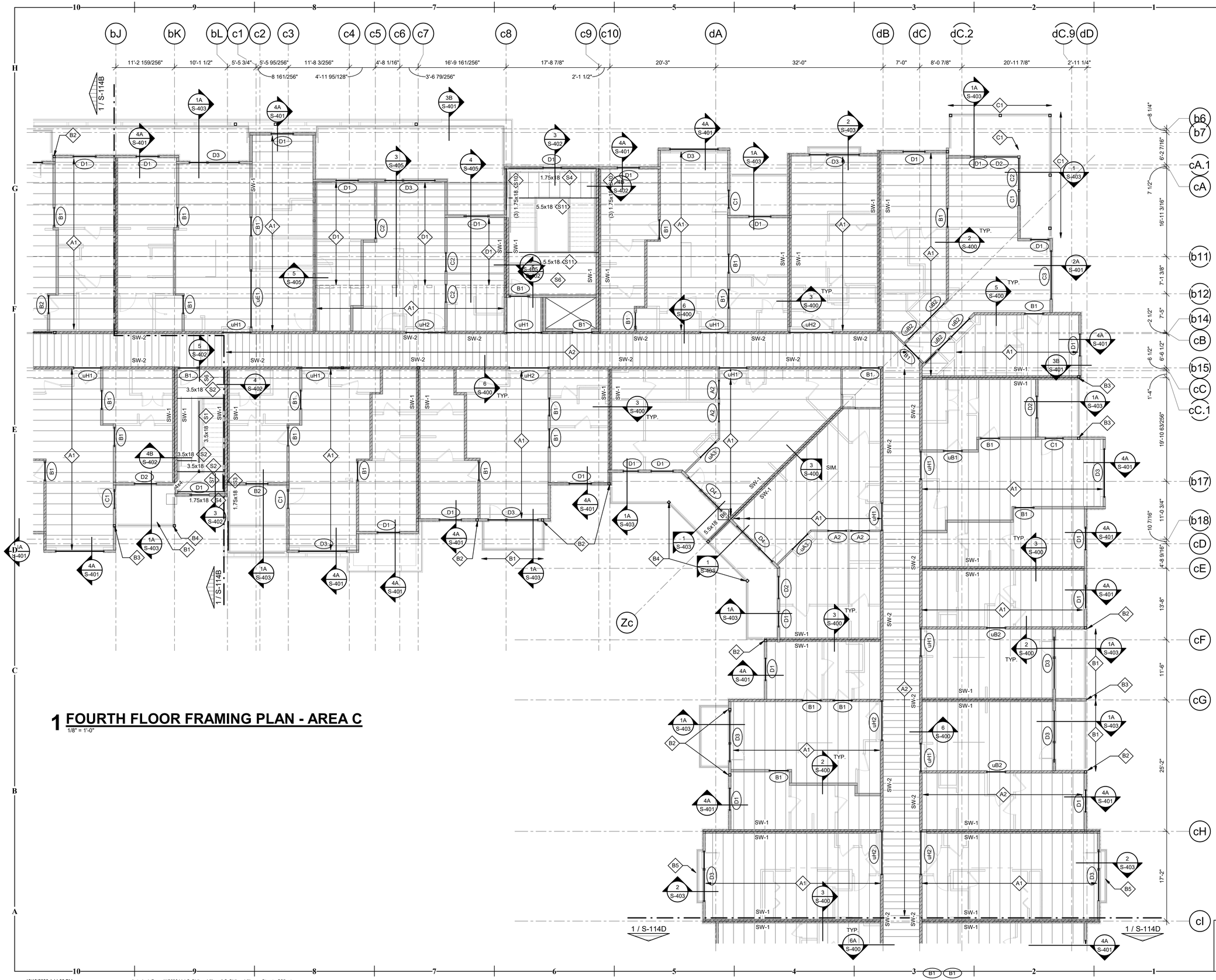
FOURTH FLOOR FRAMING PLAN - AREA B



1 FOURTH FLOOR FRAMING PLAN - AREA C

1/8" = 1'-0"

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
4. REFER TO HEADER SCHEDULE ON SHEET S0.02
5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
6. REFER TO TYPICAL WOOD DETAILS ON SHEET S0.03 THROUGH S0.08
7. REFER TO FLOOR FRAMING DETAILS ON S3.10 SERIES SHEETS FOR SIMILAR CONDITIONS NOT OTHERWISE INDICATED
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11. REFER TO TYPICAL BALCONY FRAMING DETAILS ON SHEET S3.12.
12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.

WOOD ROOF FRAMING NOTES

1. REFER TO GENERAL NOTES AND SYMBOLS LEGEND ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
4. REFER TO HEADER SCHEDULE ON SHEET S0.02
5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
6. REFER TO TYPICAL WOOD DETAILS ON SHEET S0.04 THROUGH S0.08
7. REFER TO ROOF FRAMING DETAILS ON S3.20 SERIES SHEETS FOR SIMILAR CONDITIONS NOT OTHERWISE INDICATED
8. PRE-ENGINEERED ROOF TRUSSES SHALL BE DESIGNED PER THE LOADING CRITERIA OUTLINED IN THE STRUCTURAL GENERAL NOTES AND ANY FOR ANY SPECIAL LOADING CONDITIONS DEFINED WITHIN THESE DRAWINGS. PROVIDE TRUSS SPACE DIRECTLY ABOVE AND CENTERED OVER HVAC CLOSETS (REFER TO ARCH. & MEP DRAWINGS FOR LOCATIONS)
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10. PROVIDE "RD-1" ROOF DECK AT ALL AREAS OF ROOF U.N.O.

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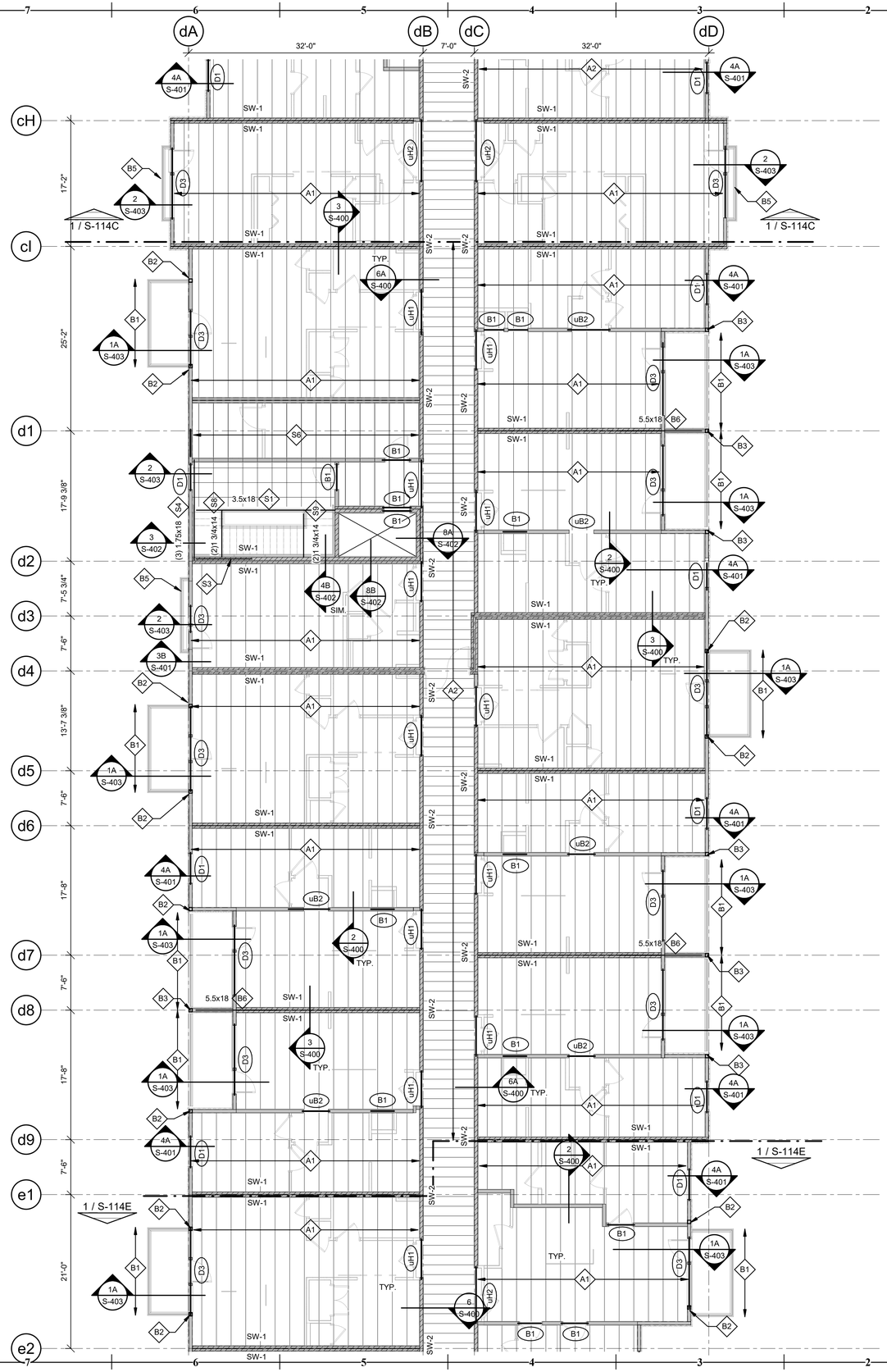
FOURTH FLOOR FRAMING PLAN - AREA C



WOOD FLOOR FRAMING NOTES

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2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
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12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.

1 FOURTH FLOOR FRAMING PLAN - AREA D

1/8" = 1'-0"

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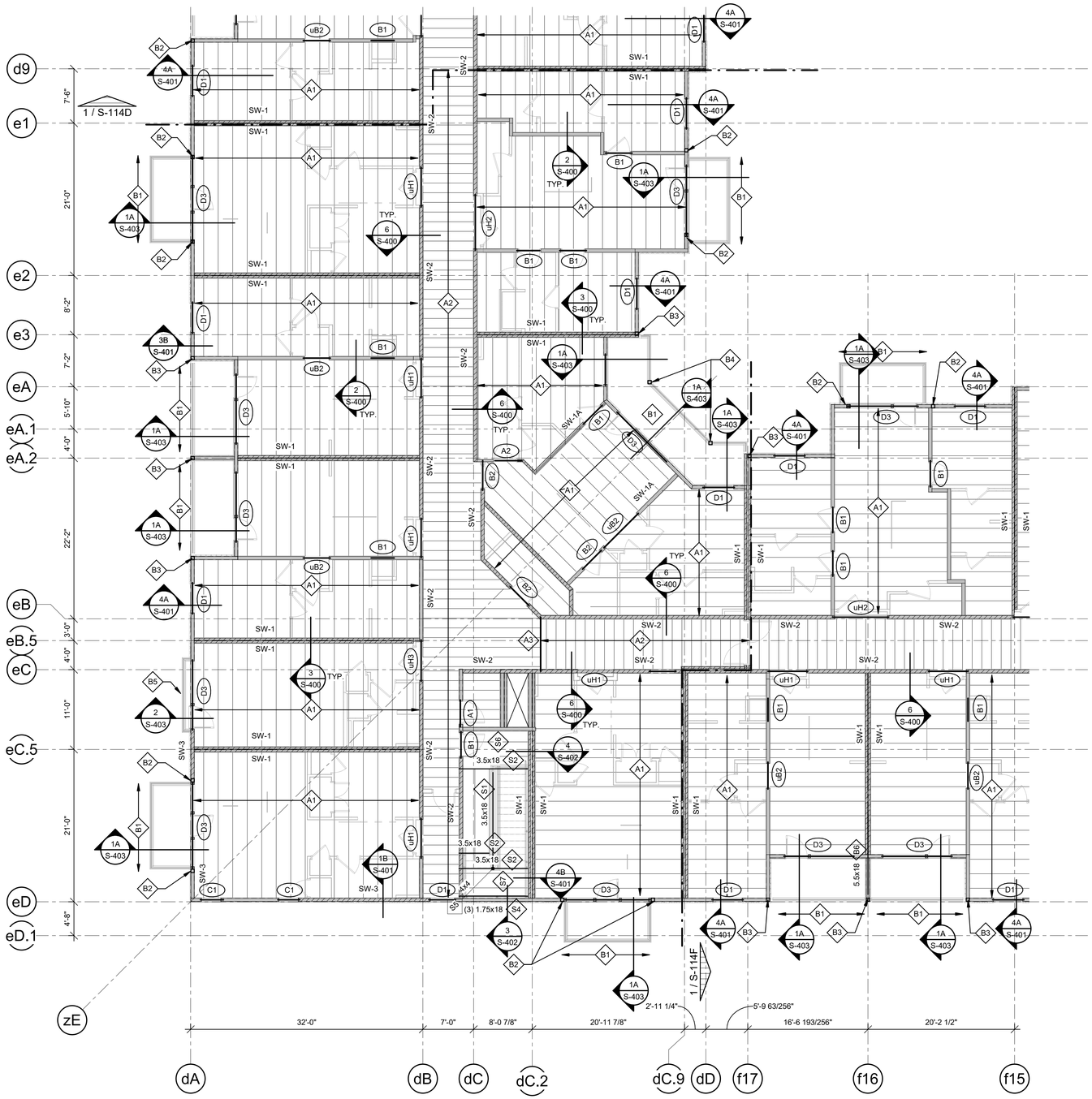
FOURTH FLOOR FRAMING PLAN - AREA D



1 FOURTH FLOOR FRAMING PLAN - AREA E

1/8" = 1'-0"

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
4. REFER TO HEADER SCHEDULE ON SHEET S0.02
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12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.

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FOURTH FLOOR FRAMING PLAN - AREA E

WOOD FLOOR FRAMING NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
4. REFER TO HEADER SCHEDULE ON SHEET S0.02
5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
6. REFER TO TYPICAL WOOD DETAILS ON SHEET S0.03 THROUGH S0.08
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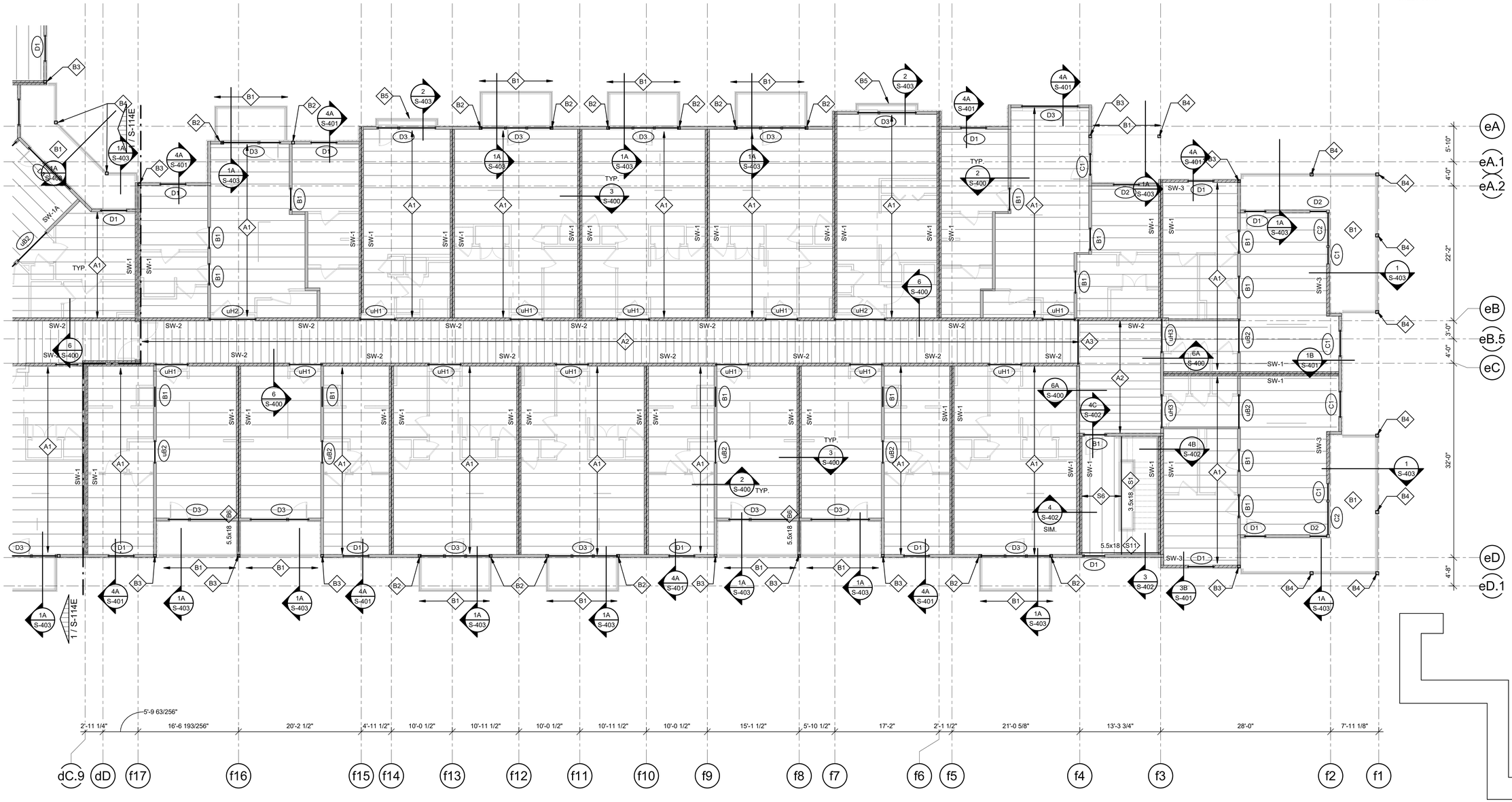
12. REFER TO TYPICAL STAIR FRAMING DETAILS ON SHEET S3.10.



1 FOURTH FLOOR FRAMING PLAN - AREA F

1/8" = 1'-0"

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FOURTH FLOOR FRAMING PLAN - AREA F

WOOD ROOF FRAMING NOTES

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5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
6. REFER TO TYPICAL WOOD DETAILS ON SHEET S0.04 THROUGH S0.08
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1 ROOF FRAMING PLAN - AREA A

1/8" = 1'-0"

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ROOF FRAMING PLAN - AREA A

WOOD ROOF FRAMING NOTES

1. REFER TO GENERAL NOTES AND SYMBOLS LEGEND ON SHEET S0.01
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1 ROOF FRAMING PLAN - AREA B

1/8" = 1'-0"

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ROOF FRAMING PLAN - AREA B

WOOD ROOF FRAMING NOTES

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10. PROVIDE "RD-1" ROOF DECK AT ALL AREAS OF ROOF U.N.O.

1 ROOF FRAMING PLAN - AREA C

1/8" = 1'-0"

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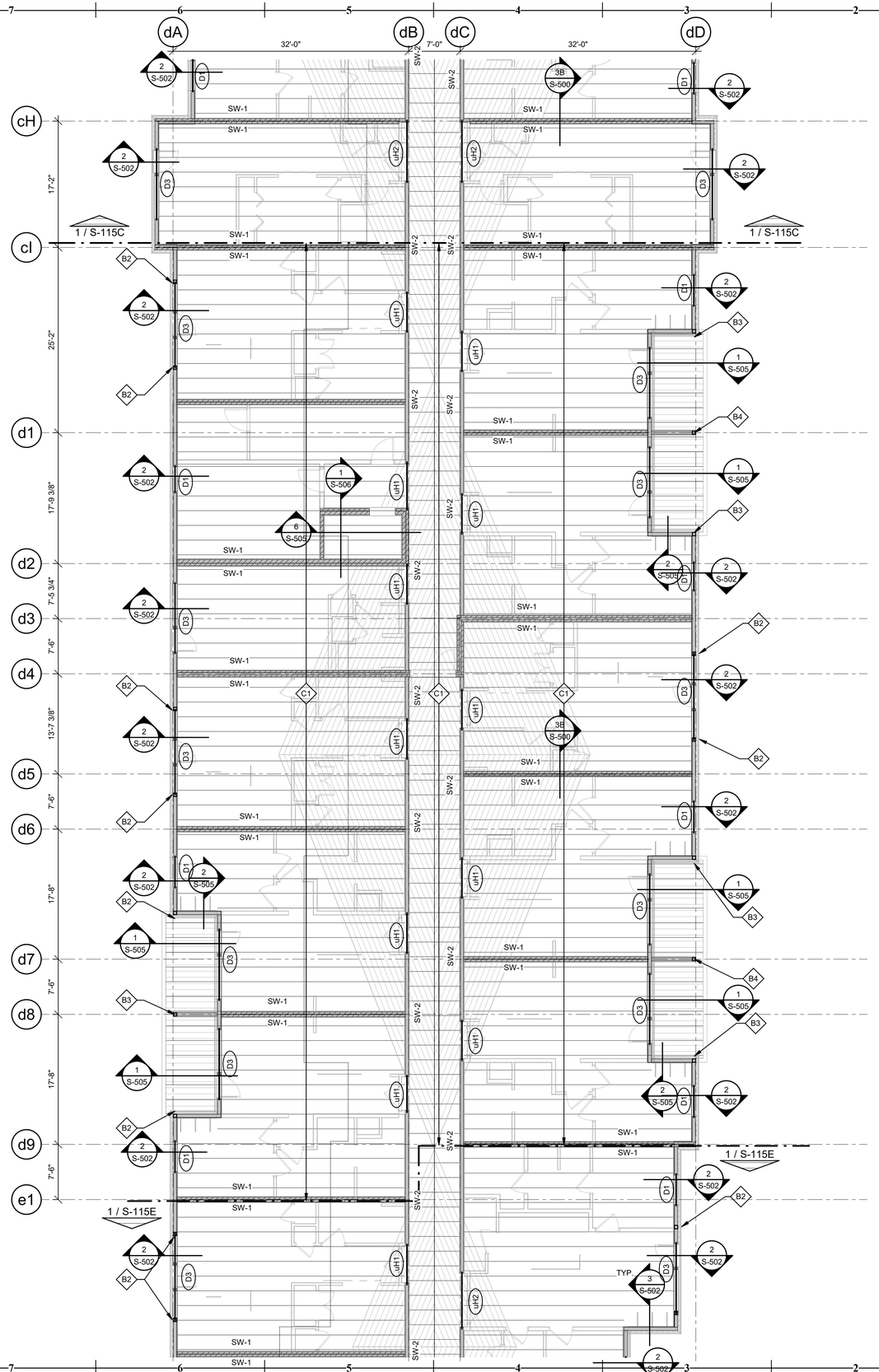
ROOF FRAMING PLAN - AREA C



1 ROOF FRAMING PLAN - AREA D

1/8" = 1'-0"

WOOD ROOF FRAMING NOTES

1. REFER TO GENERAL NOTES AND SYMBOLS LEGEND ON SHEET S0.01
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5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
6. REFER TO TYPICAL WOOD DETAILS ON SHEET S0.04 THROUGH S0.08
7. REFER TO ROOF FRAMING DETAILS ON S3.20 SERIES SHEETS FOR SIMILAR CONDITIONS NOT OTHERWISE INDICATED
8. PRE-ENGINEERED ROOF TRUSSES SHALL BE DESIGNED PER THE LOADING CRITERIA OUTLINED IN THE STRUCTURAL GENERAL NOTES AND ANY FOR ANY SPECIAL LOADING CONDITIONS DEFINED WITHIN THESE DRAWINGS. PROVIDE TRUSS SPACE DIRECTLY ABOVE AND CENTERED OVER HVAC CLOSETS (REFER TO ARCH. & MEP DRAWINGS FOR LOCATIONS)
9. REFER TO SHEARWALL AND WALL TYPE PLANS FOR ADDITIONAL BEARING WALL AND SHEARWALL INFORMATION
10. PROVIDE "RD-1" ROOF DECK AT ALL AREAS OF ROOF U.N.O.

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S-115D

ISSUE DATE: DECEMBER 22, 2025
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ROOF FRAMING PLAN - AREA D

WOOD ROOF FRAMING NOTES

1. REFER TO GENERAL NOTES AND SYMBOLS LEGEND ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
4. REFER TO HEADER SCHEDULE ON SHEET S0.02
5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
6. REFER TO TYPICAL WOOD DETAILS ON SHEET S0.04 THROUGH S0.08
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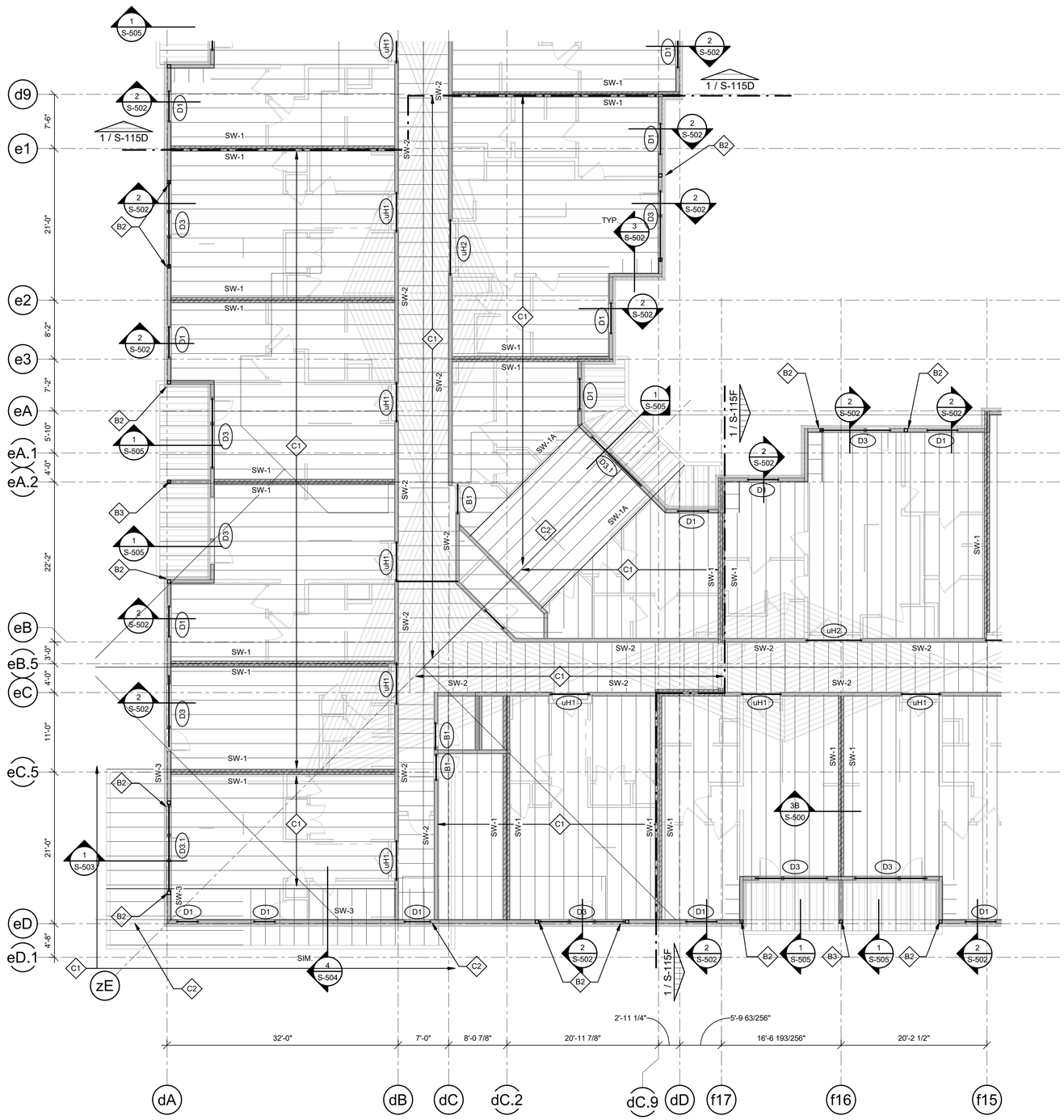
10. PROVIDE "RD-1" ROOF DECK AT ALL AREAS OF ROOF U.N.O.



1 ROOF FRAMING PLAN - AREA E

1/8" = 1'-0"

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ROOF FRAMING PLAN - AREA E

WOOD ROOF FRAMING NOTES

1. REFER TO GENERAL NOTES AND SYMBOLS LEGEND ON SHEET S0.01
2. REFER TO NAILING SCHEDULE ON SHEET S0.02
3. REFER TO PLAN NOTES ON SHEET S0.02
4. REFER TO HEADER SCHEDULE ON SHEET S0.02
5. REFER TO SHEARWALL AND HOLDOWN SCHEDULES ON SHEET S0.08
6. REFER TO TYPICAL WOOD DETAILS ON SHEET S0.04 THROUGH S0.08
7. REFER TO ROOF FRAMING DETAILS ON S3.20 SERIES SHEETS FOR SIMILAR CONDITIONS NOT OTHERWISE INDICATED
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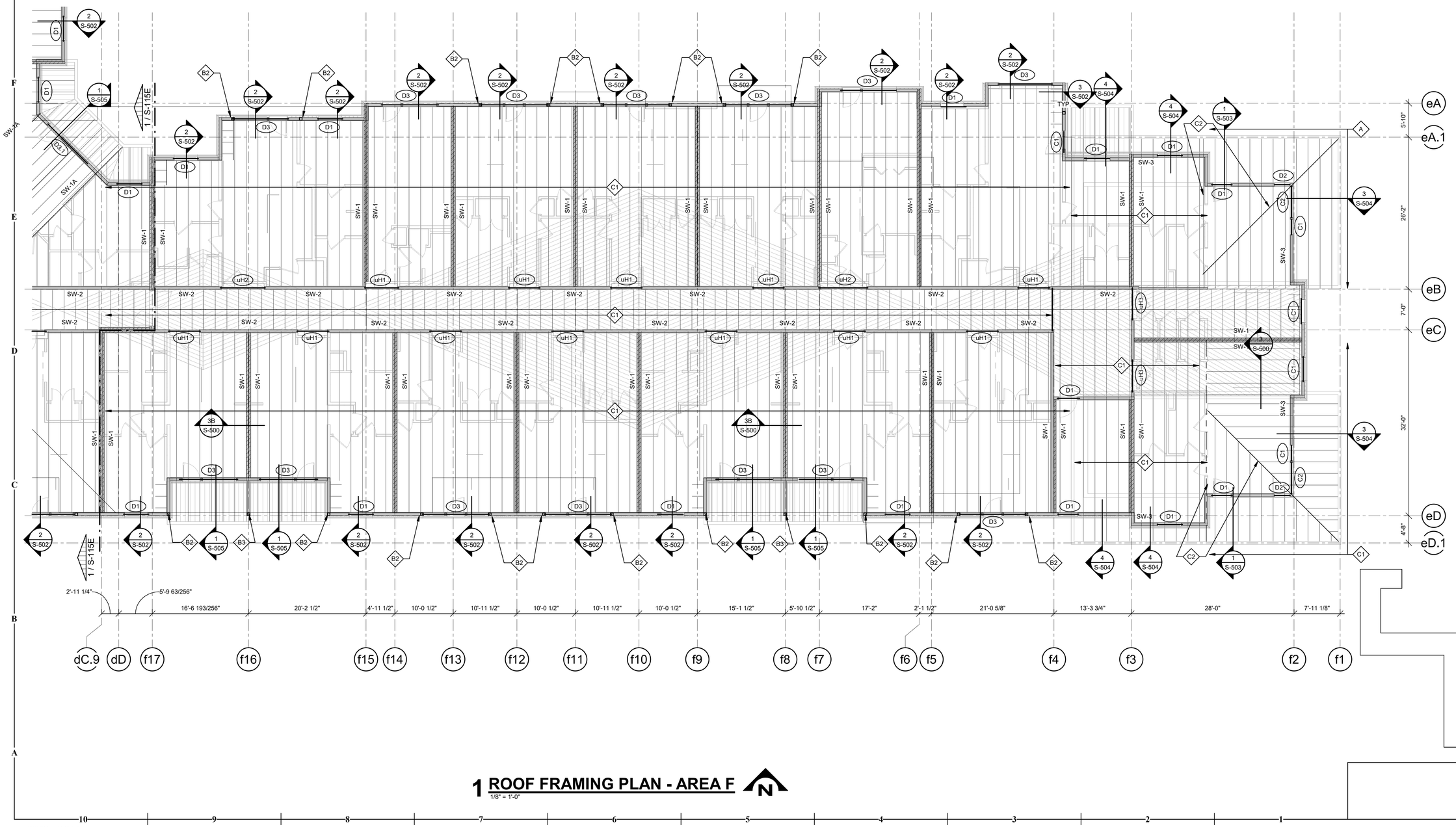
10. PROVIDE "RD-1" ROOF DECK AT ALL AREAS OF ROOF U.N.O.



1 ROOF FRAMING PLAN - AREA F

1/8" = 1'-0"

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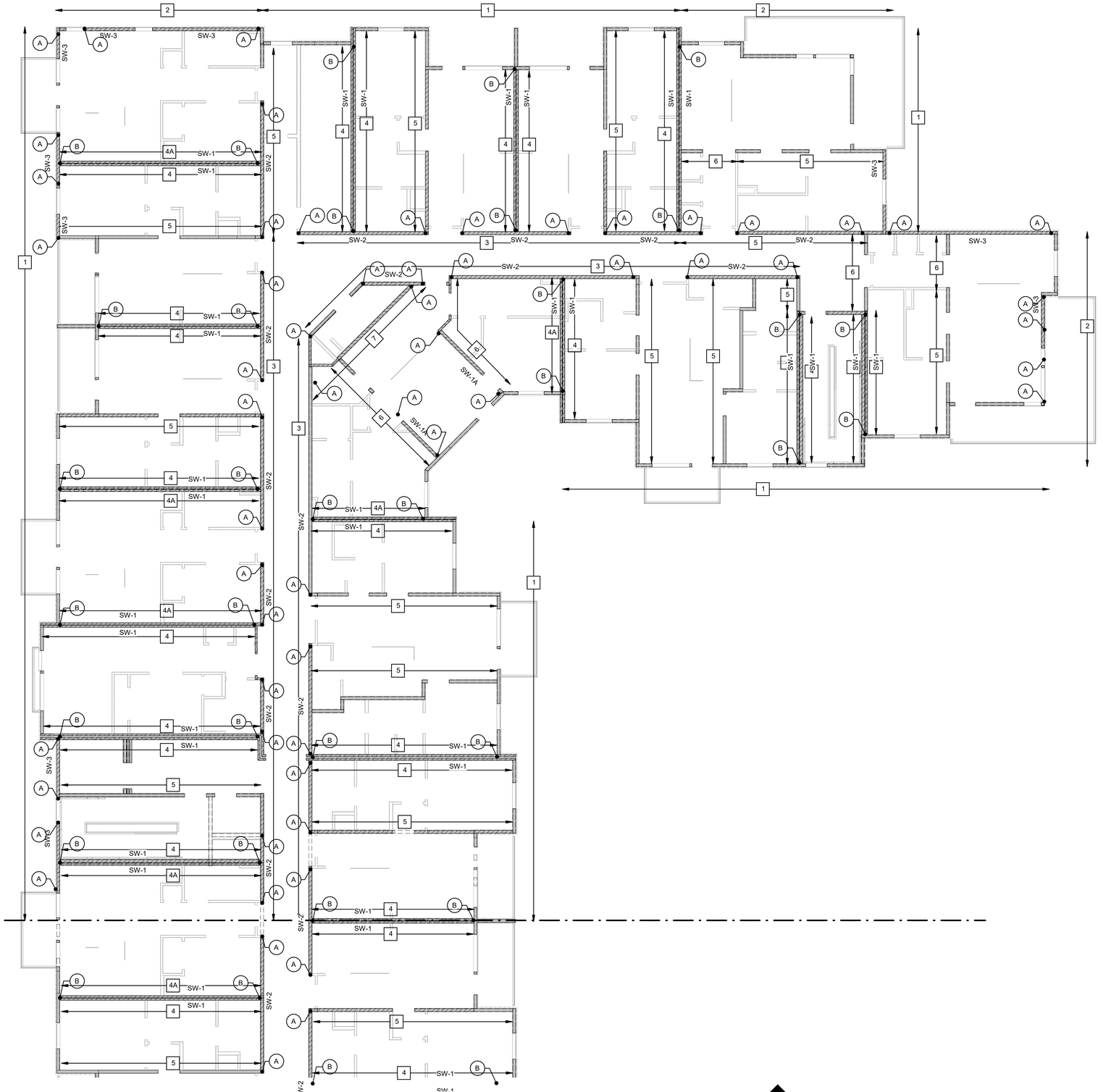
ROOF FRAMING PLAN - AREA F

SHEARWALL & WALL TYPE NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01.
2. REFER TO SHEARWALL & HOLDOWN SCHEDULES ON SHEET S0.05.
3. REFER TO COLUMN & STUD BEARING WALL SCHEDULES ON SHEET S0.04.
4. REFER TO SYMBOLS LEGEND ON SHEET S0.01.
5. ALL EXTERIOR WALLS NOT SPECIFICALLY DESIGNATED AS STRUCTURAL SHEARWALLS SHALL BE SHEATHED WITH 7/16" OSB SHEATHING WITH 8d NAILS AT 6"oc EDGES AND AT 12"oc FIELD.



1 SHEAR AND BEARING WALL PLAN - AREA A

1/8" = 1'-0"

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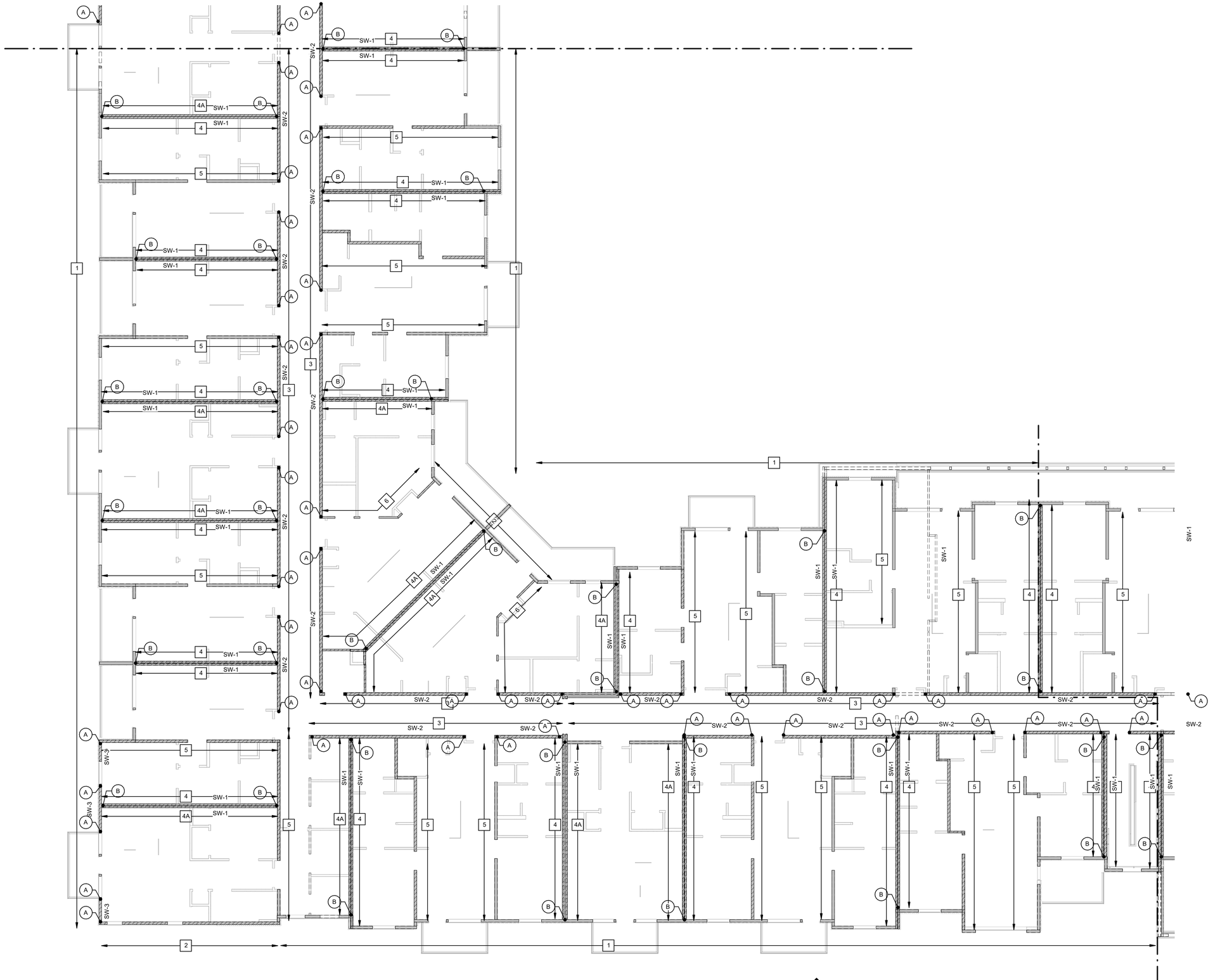
SHEAR AND BEARING WALL PLAN - AREA A



SHEARWALL & WALL TYPE NOTES

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1 SHEAR AND BEARING WALL PLAN - AREA B

1/8" = 1'-0"

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SHEAR AND BEARING WALL PLAN - AREA B

SHEARWALL & WALL TYPE NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01.
2. REFER TO SHEARWALL & HOLDOWN SCHEDULES ON SHEET S0.05.
3. REFER TO COLUMN & STUD BEARING WALL SCHEDULES ON SHEET S0.04.
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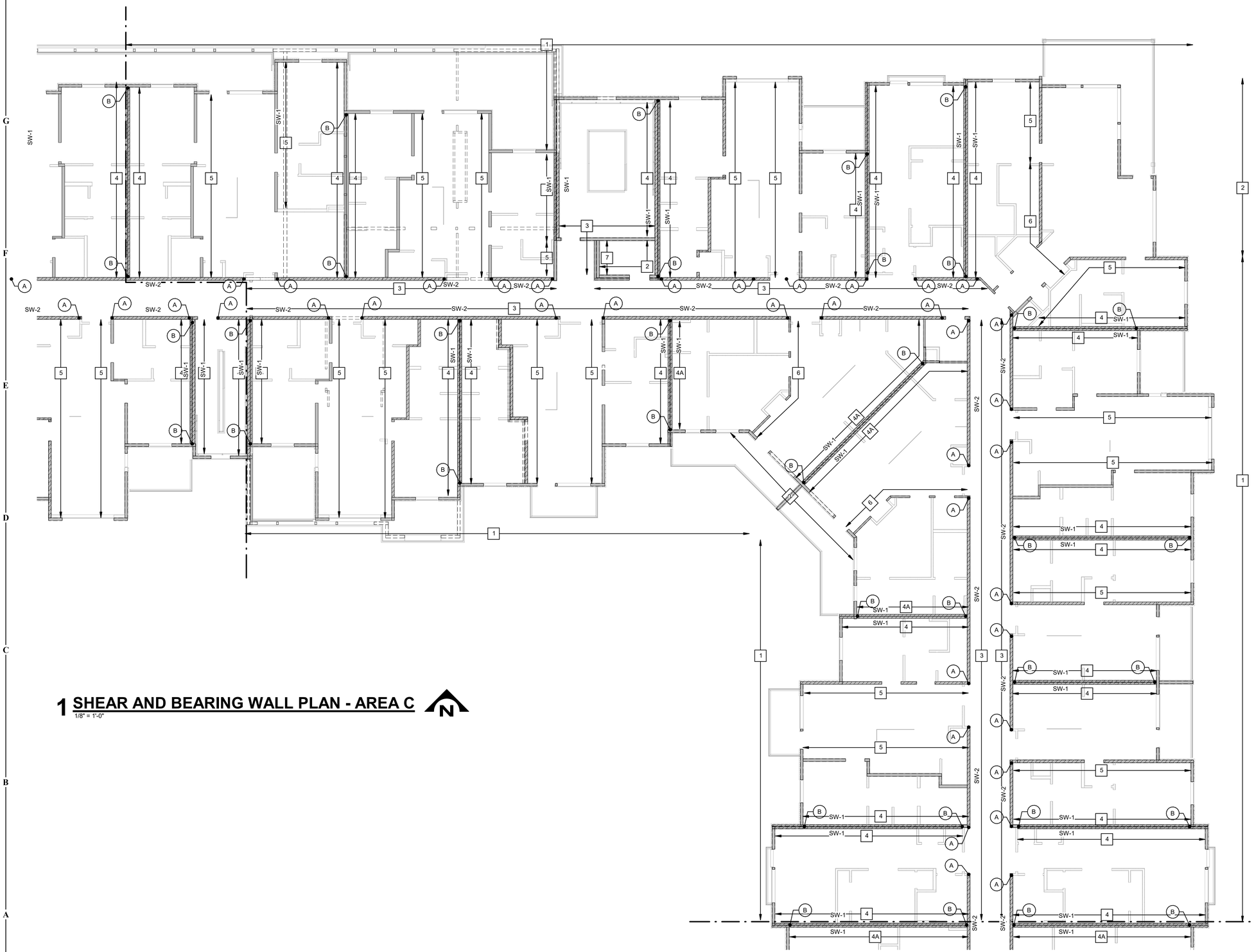

1 SHEAR AND BEARING WALL PLAN - AREA C

1/8" = 1'-0"

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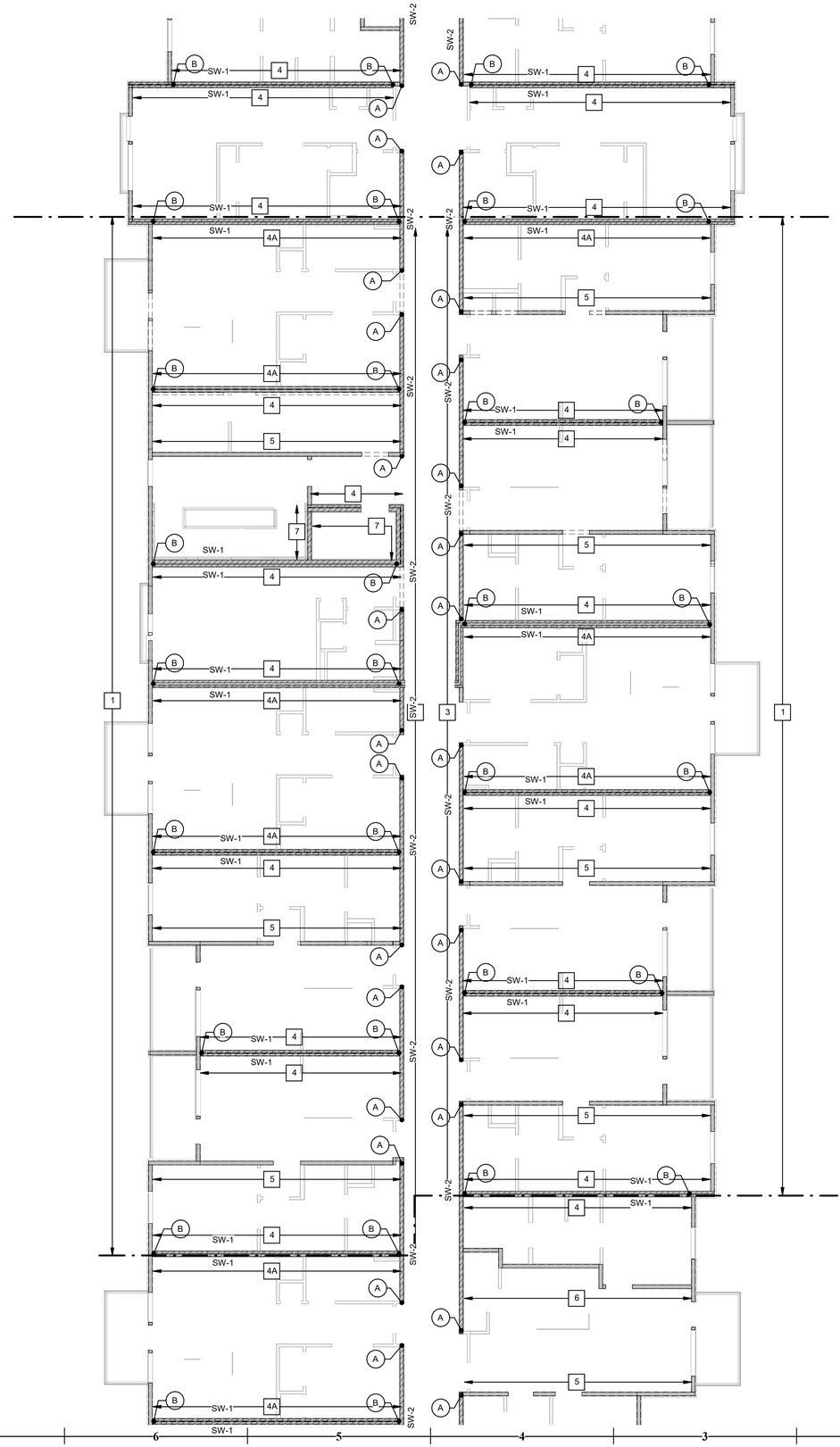
SHEAR AND BEARING WALL PLAN - AREA C



SHEARWALL & WALL TYPE NOTES

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1 SHEAR AND BEARING WALL PLAN - AREA D

1/8" = 1'-0"

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SHEAR AND BEARING WALL PLAN - AREA D

SHEARWALL & WALL TYPE NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01.
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3. REFER TO COLUMN & STUD BEARING WALL SCHEDULES ON SHEET S0.04.
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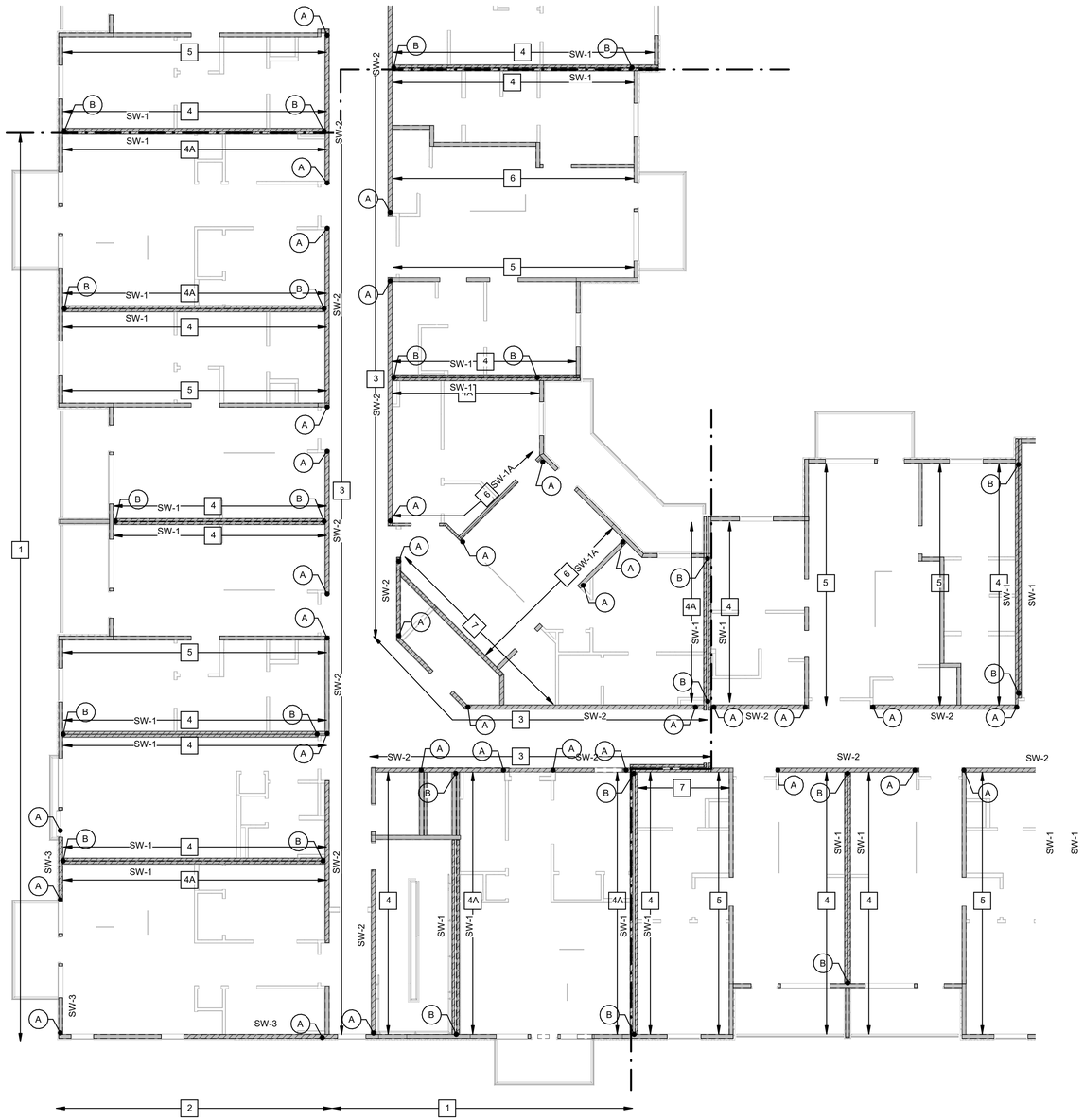

1 SHEAR AND BEARING WALL PLAN - AREA E

1/8" = 1'-0"

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SHEAR AND BEARING WALL PLAN - AREA E

SHEARWALL & WALL TYPE NOTES

1. REFER TO GENERAL NOTES ON SHEET S0.01.
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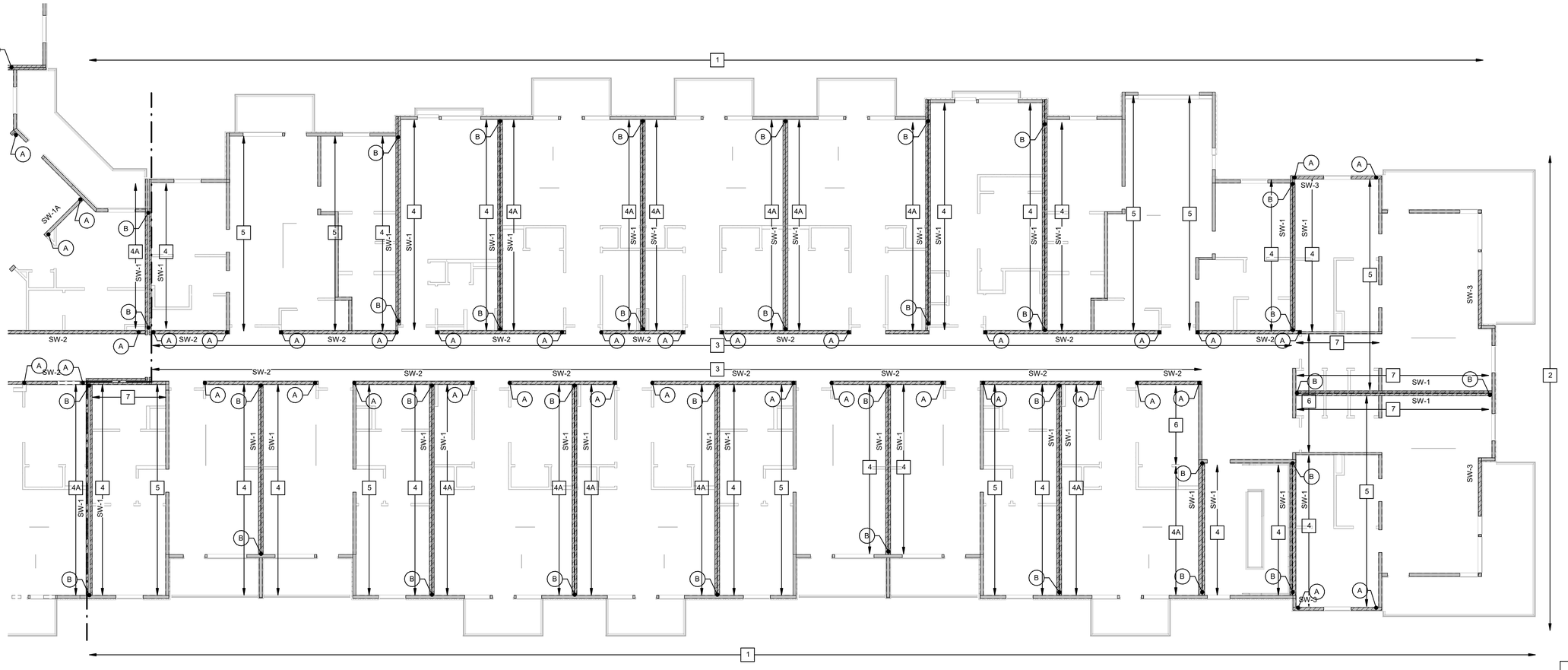

1 SHEAR AND BEARING WALL PLAN - AREA F

1/8" = 1'-0"

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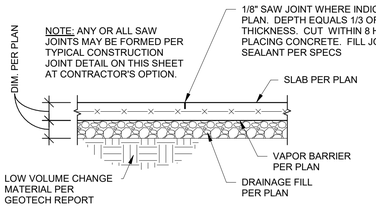
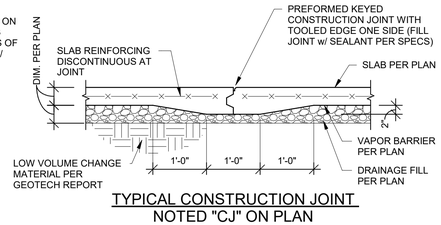
SHEAR AND BEARING WALL PLAN - AREA F



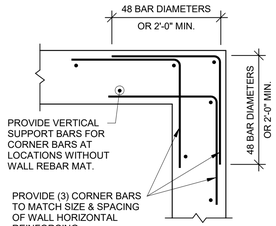
TYPICAL SAW JOINT
NOTED "SJ" ON PLAN

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

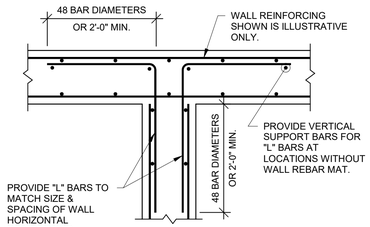


TYPICAL CONSTRUCTION JOINT
NOTED "CJ" ON PLAN

1A SECTION
3/4" = 1'-0"

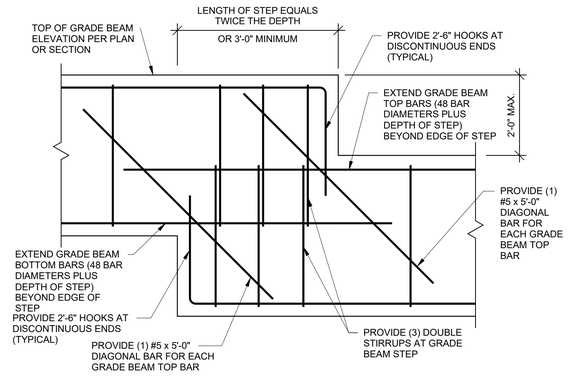


TYPICAL CORNER BARS AT
CONCRETE WALLS & FOUNDATIONS

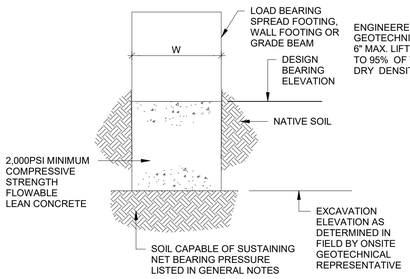


TYPICAL T-INTERSECTION REINFORCING
AT CONCRETE WALLS & FOUNDATIONS

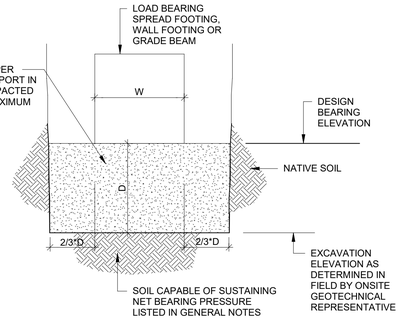
2 TYPICAL INTERSECTING CONCRETE WALL REINFORCING
3/4" = 1'-0"



3 TYPICAL GRADE BEAM STEP
3/4" = 1'-0"

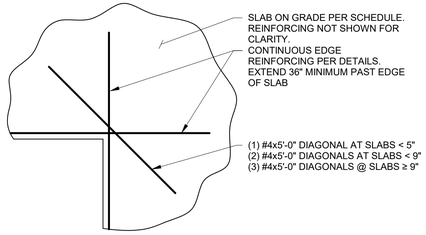


LEAN CONCRETE BACKFILL



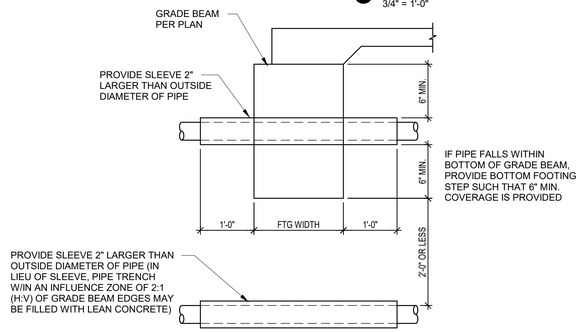
ENGINEERED FILL BACKFILL

4 OVEREXCAVATION DETAIL
3/4" = 1'-0"



TYPICAL SLAB ON GRADE RE-ENTRANT CORNER BARS

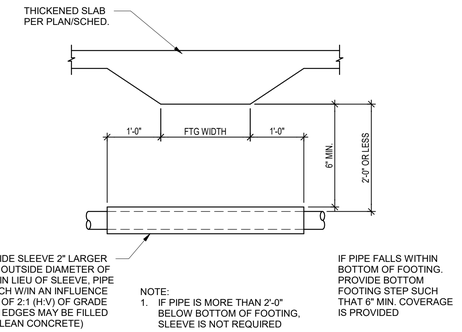
5 DETAIL
1/2" = 1'-0"



NOTES:
1. IF PIPE IS MORE THAN 2'-0" BELOW BOTTOM OF GRADE BEAM, SLEEVE IS NOT REQUIRED
2. PIPES SHALL NOT CROSS BELOW OR THROUGH A SPREAD FOOTING.

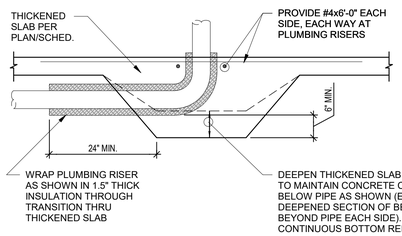
TYPICAL GRADE BEAM SLEEVE

6 SECTION
3/4" = 1'-0"



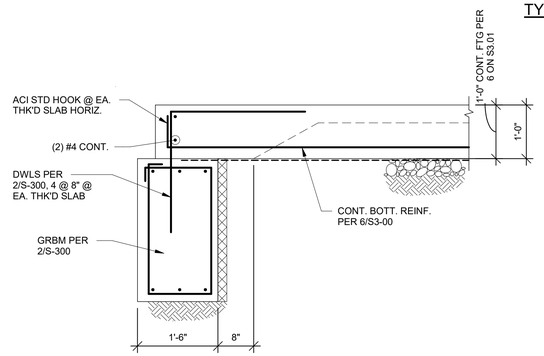
TYPICAL PLUMBING SLEEVE AT THICKENED SLAB

7 SECTION
3/4" = 1'-0"



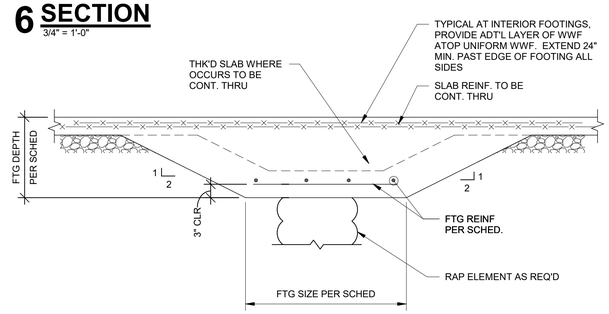
TYPICAL PLUMBING RISER THRU THICKENED SLAB

8 SECTION
3/4" = 1'-0"



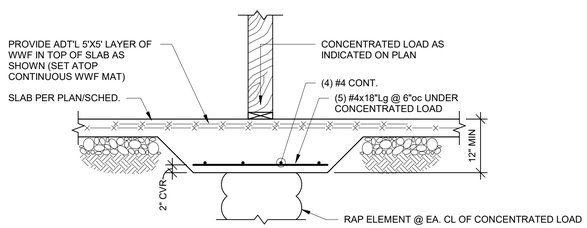
TYPICAL THICKENED SLAB TERMINATION
AT EXTERIOR GRADEBEAM

9 SECTION
3/4" = 1'-0"



TYPICAL SPREAD FTG AT CONTINUOUS THICKENED SLAB

10 SECTION
3/4" = 1'-0"



TYPICAL THICKENED SLAB AT CONCENTRATED LOADS

11 SECTION
3/4" = 1'-0"

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STATE OF MISSOURI
BRANDON M. FORD
NUMBER PE-2010021641
NATIONAL ENGINEER
12-22-2025

PERMIT SET

OLDHAM VILLAGE
1100 SW JEFFERSON ST
LEE'S SUMMIT, MO 64081

REVISION DATES:

INTERIM REVIEW ONLY
(Document Incomplete)
Not to be used for regulatory approval, permit, or construction.

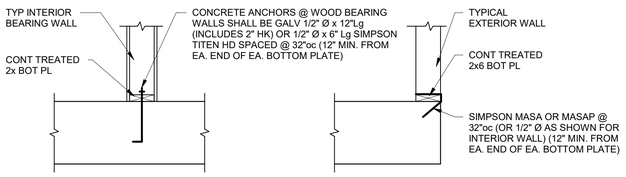
Architect Of Record:
Hoefer Welker

PROFESSIONAL SEAL

S-300

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

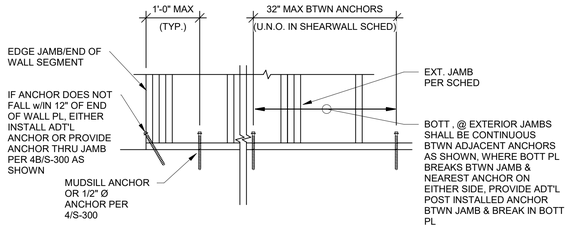
FOUNDATION SECTIONS



NOTES:
1. ALL BOTT PL's TO HAVE TWO ANCHORS MIN.
2. RE: SHEARWALL SCHED ON S-005 FOR ANCHORS @ SHEARWALLS.
3. RE: 1A/S-300 FOR DETAIL AT JAMB.
4. RE: 1B/S-300 FOR DETAIL AT SHORT BOTT , SEGMENTS/JAMBS (WHERE OCCURS).
5. CONTRACTOR SHALL IDENTIFY AND MARK RELATIVE P.T. TENDON LOCATIONS ON SLAB SO THAT TENDONS CAN BE AVOIDED DURING POST INSTALLED ANCHOR INSTALLATION.

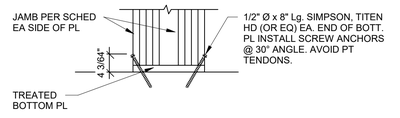
TYPICAL BOTT. PL CONNECTION TO CONCRETE

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



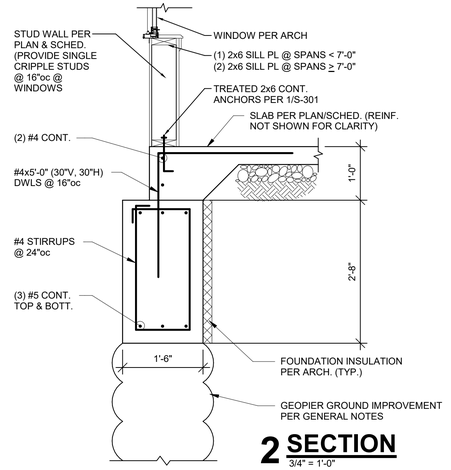
TYPICAL BOTT. PL CONNECTION TO CONCRETE AT EXTERIOR JAMBS & ENDS OF WALL

1A SECTION 3/4" = 1'-0"

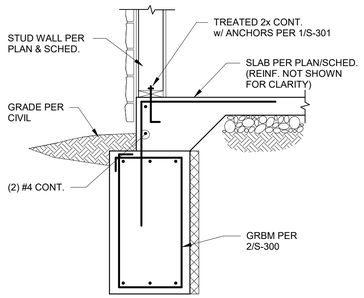


TYPICAL BOTT. PL CONNECTION TO CONCRETE AT SHORT PL SEGMENTS & JAMBS

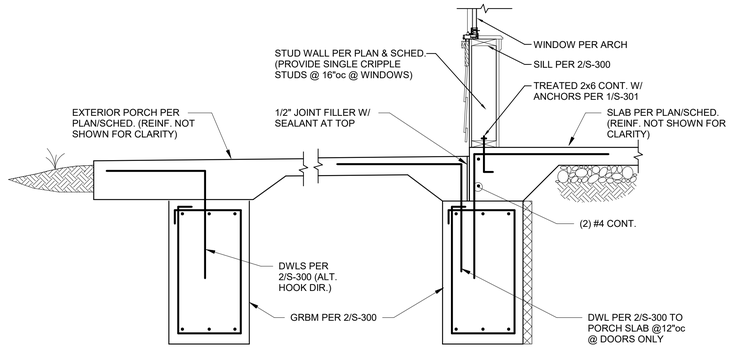
1B SECTION 3/4" = 1'-0"



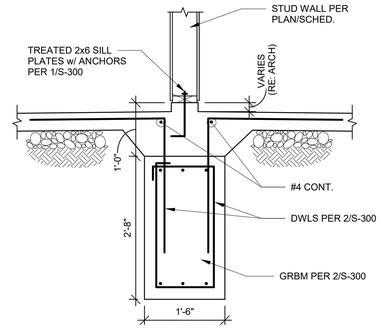
2 SECTION 3/4" = 1'-0"



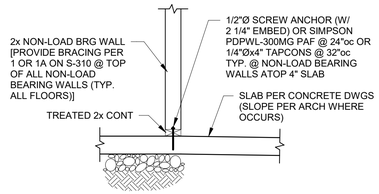
2A SECTION 3/4" = 1'-0"



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

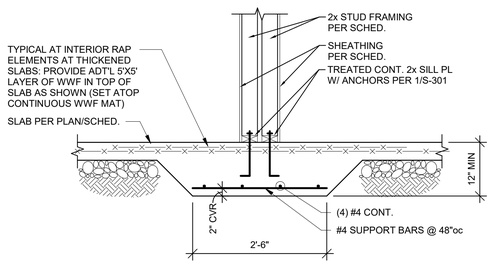


4 SECTION 3/4" = 1'-0"



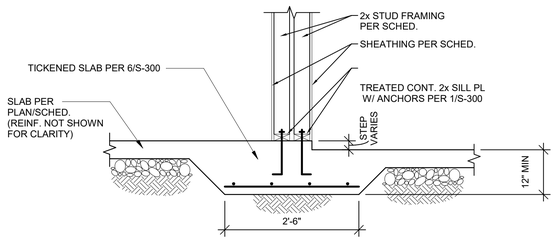
TYPICAL NON-LOAD BEARING WALL ANCHORAGE

5 SECTION 3/4" = 1'-0"



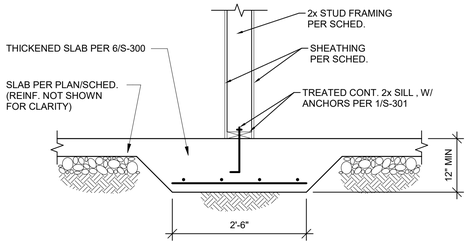
INTERIOR BRG. WALL @ DBL WALLS

6 SECTION 3/4" = 1'-0"



INTERIOR BRG. WALL @ GARAGE/LIVING SPACE SEPARATIONS

7 SECTION 3/4" = 1'-0"



INTERIOR BRG. WALL @ SINGLE WALLS

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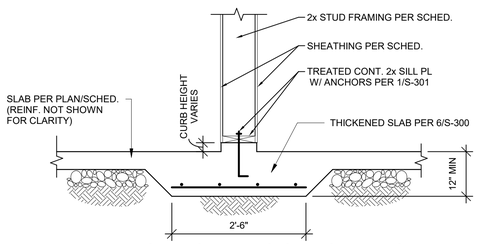
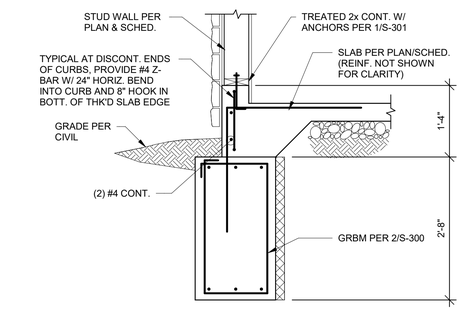


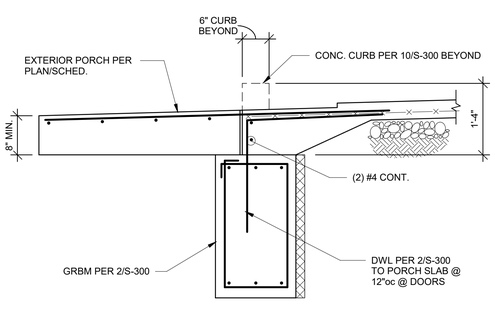
INTERIOR BRG. WALL @ GARAGE WALLS

9 SECTION 3/4" = 1'-0"



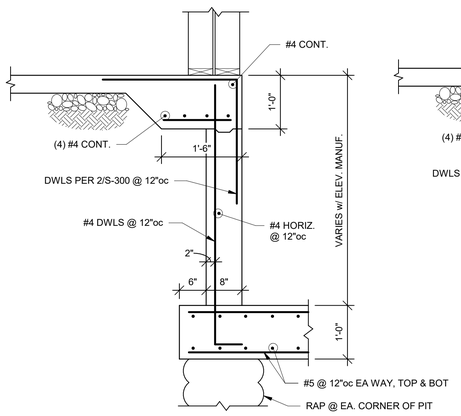
TYPICAL EXTERIOR CURB AT GARAGE

10 SECTION 3/4" = 1'-0"

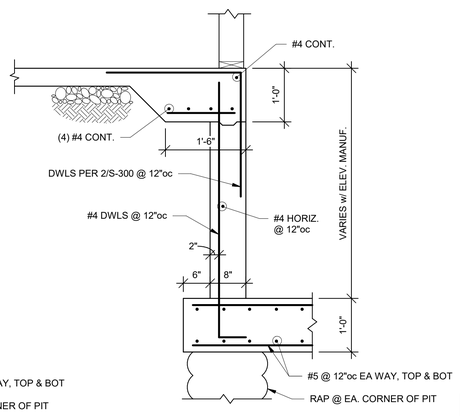


TYPICAL CONCRETE APRON AT GARAGES

11 SECTION 3/4" = 1'-0"



12 SECTION 3/4" = 1'-0"



13 SECTION 3/4" = 1'-0"

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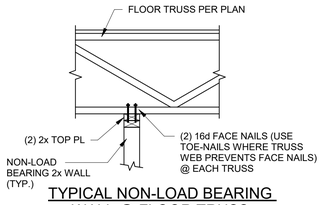
PROFESSIONAL SEAL

S-301

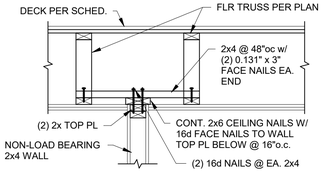
ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

FOUNDATION SECTIONS



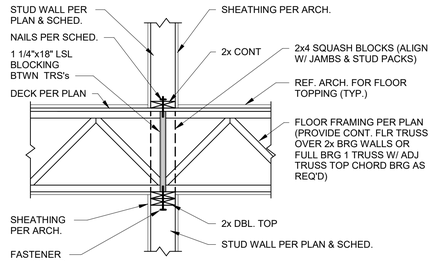
TYPICAL NON-LOAD BEARING WALL @ FLOOR TRUSS

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



TYPICAL NON-LOAD BEARING WALL @ FLOOR TRUSS

1A SECTION
3/4" = 1'-0"



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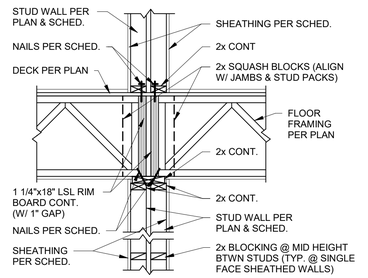
3/4" = 1'-0"



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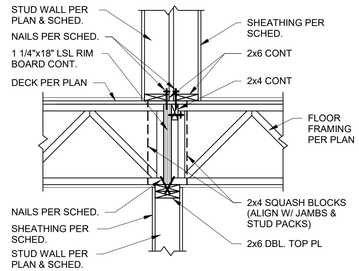
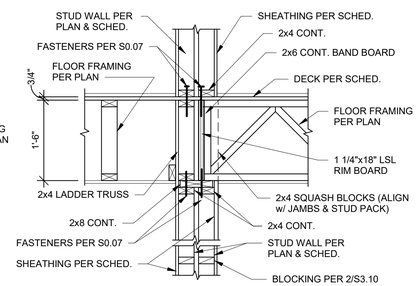
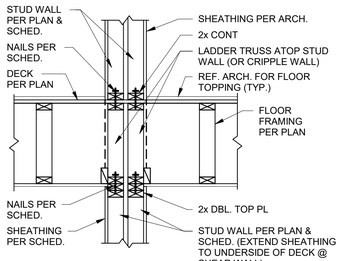


3A SECTION
3/4" = 1'-0"



3B SECTION
3/4" = 1'-0"



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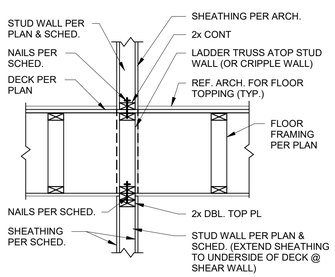
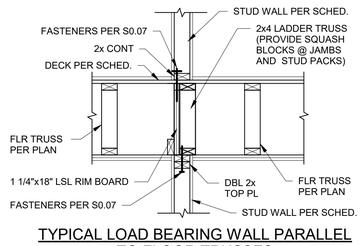
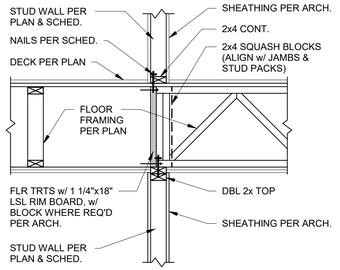


4A SECTION
3/4" = 1'-0"

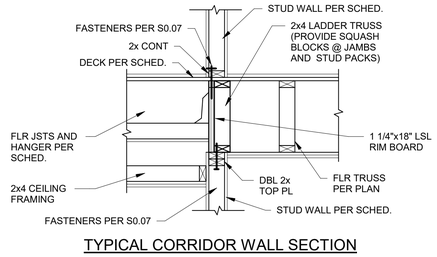


TYPICAL LOAD BEARING WALL PARALLEL TO FLOOR TRUSSES

4B SECTION
3/4" = 1'-0"

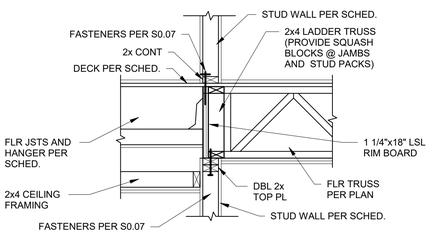


5 SECTION
3/4" = 1'-0"



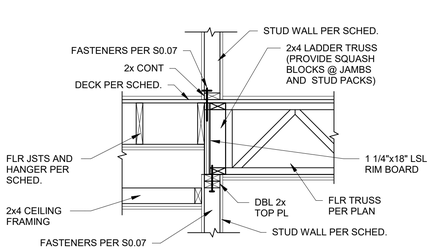
TYPICAL CORRIDOR WALL SECTION

6 SECTION
3/4" = 1'-0"



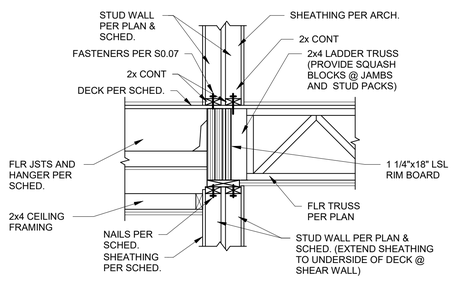
TYPICAL CORRIDOR WALL SECTION

6A SECTION
3/4" = 1'-0"



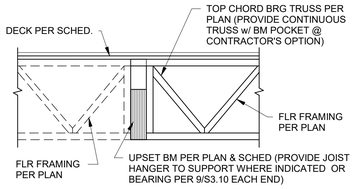
TYPICAL CORRIDOR WALL SECTION

6B SECTION
3/4" = 1'-0"



TYPICAL CORRIDOR WALL SECTION

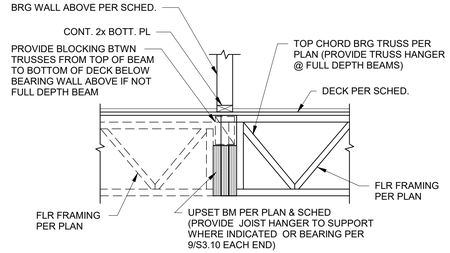
6C SECTION
3/4" = 1'-0"



NOTE: RE: 11/S3.10 WHERE UPSET BM IS FULL HEIGHT OF FLR TRUSS OR TOP CHORD BEARING TRUSS IS NOT USED.

TYPICAL SHALLOW UPSET BEAM

7 SECTION
3/4" = 1'-0"



TYPICAL UPSET BEAM SUPPORTING BEARING WALL

7A SECTION
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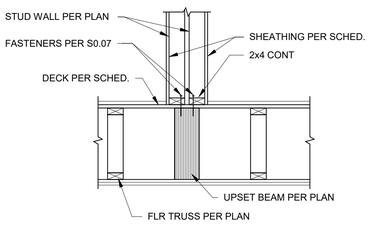

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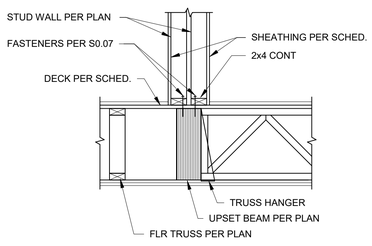

8A SECTION
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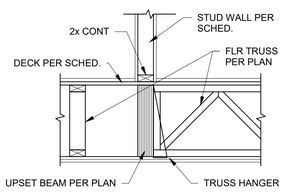
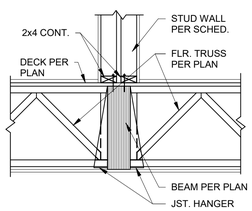


8B SECTION
3/4" = 1'-0"



8C SECTION
3/4" = 1'-0"

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STATE OF MISSOURI
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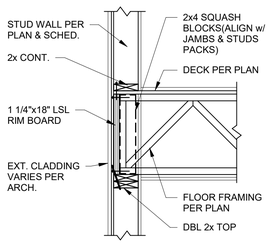
PROFESSIONAL SEAL

S-400

ISSUE DATE: DECEMBER 22, 2025

HOEFER WELKER #: 1259011

FLOOR FRAMING SECTIONS



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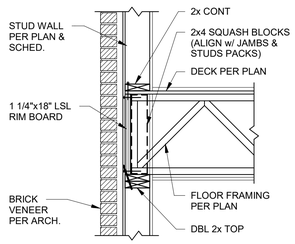
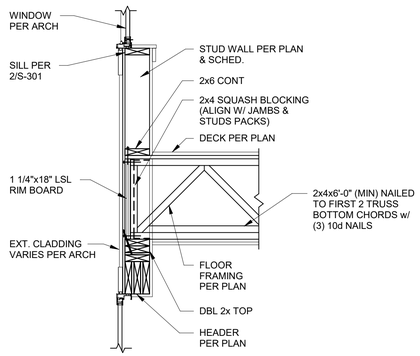


1B SECTION
3/4" = 1'-0"



2A SECTION
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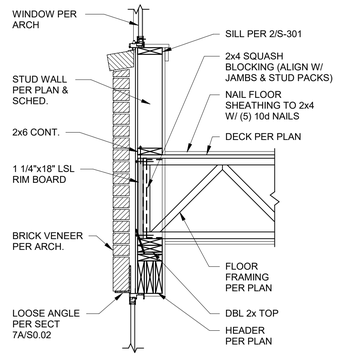

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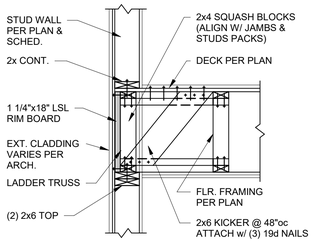
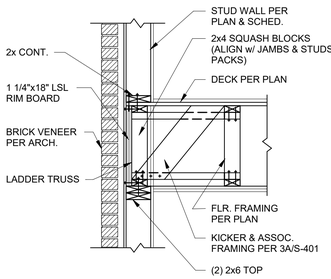
3/4" = 1'-0"



3A SECTION
3/4" = 1'-0"



3B SECTION
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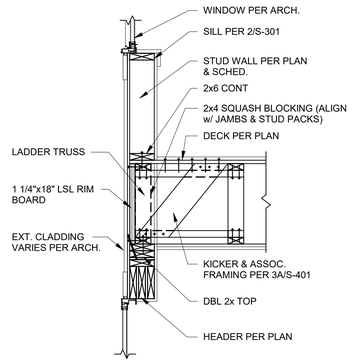
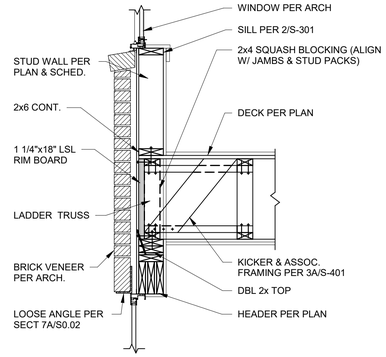
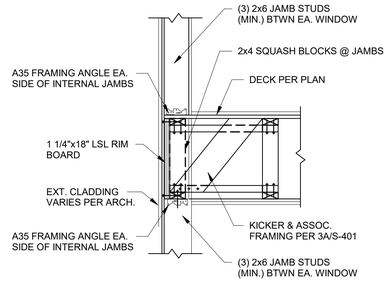


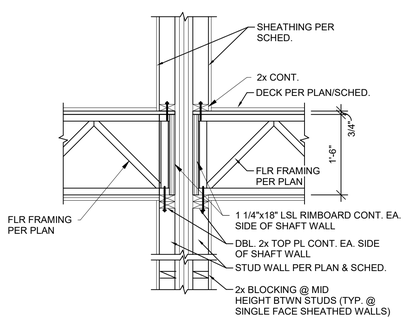
4A SECTION
3/4" = 1'-0"



4B SECTION
3/4" = 1'-0"

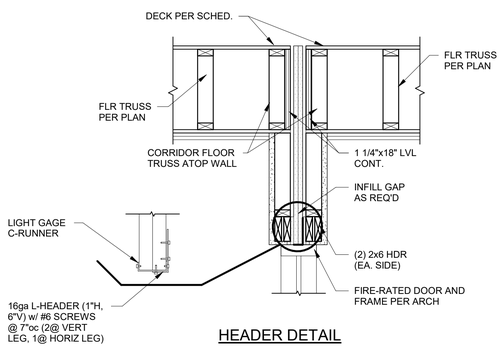


4C SECTION
3/4" = 1'-0"



TYP. DETAIL AT 2 HOUR FIRE WALL

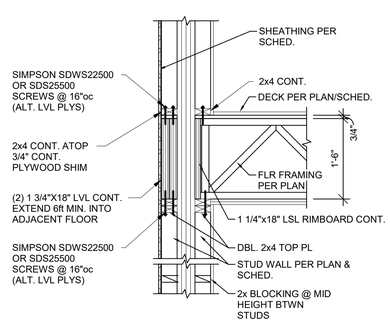
5A SECTION
3/4" = 1'-0"



HEADER DETAIL

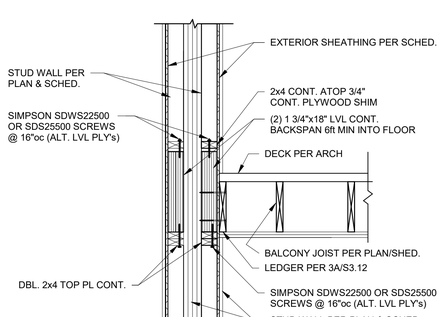
TYPICAL SHAFTWALL SUPPORT OVER DOOR OPENING

5B SECTION
3/4" = 1'-0"



TYP. DETAIL AT 2 HOUR FIRE WALL

5C SECTION
3/4" = 1'-0"



TYP. DETAIL AT 2 HOUR FIRE WALL

5D SECTION
3/4" = 1'-0"

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NATIONAL
12-22-2025

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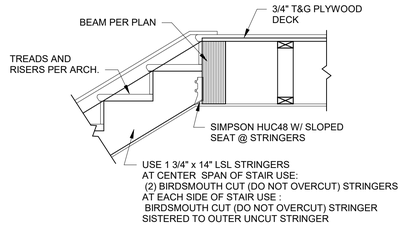
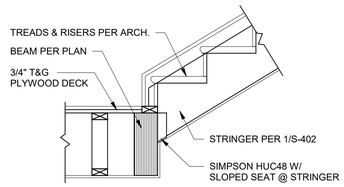
FLOOR FRAMING SECTIONS



TYPICAL STAIR AND STRINGER CONNECTION DETAIL

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



TYPICAL STAIR STRINGER CONNECTION DETAIL

1A SECTION
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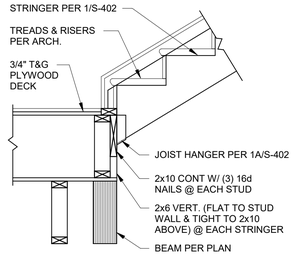
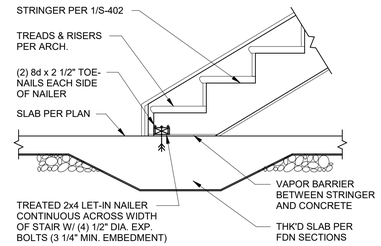
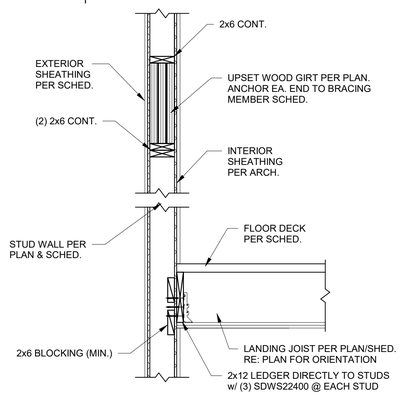


1B SECTION
3/4" = 1'-0"

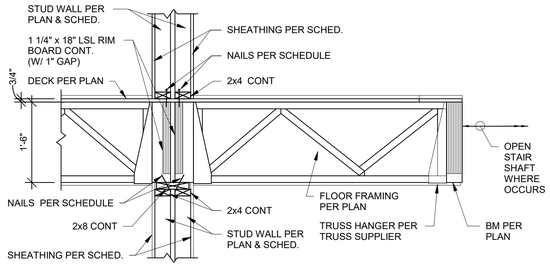


2 SECTION
3/4" = 1'-0"

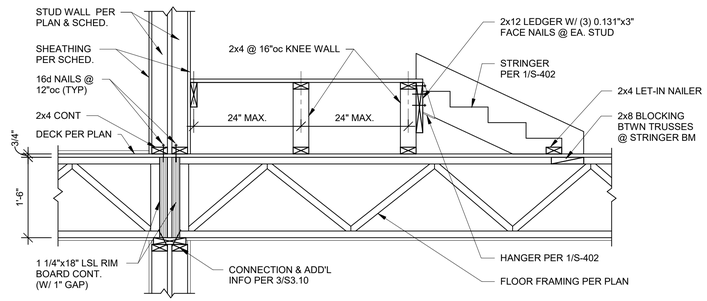


EXTERIOR STAIR WALL

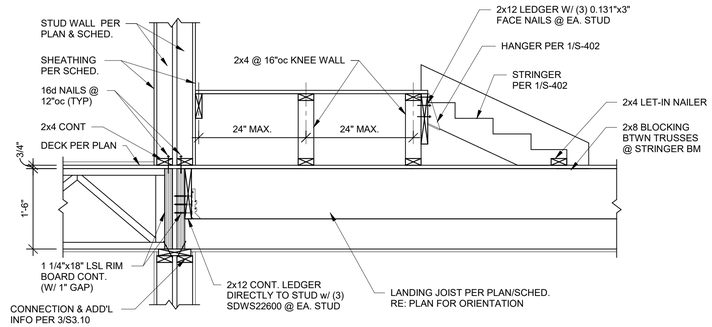
3 SECTION
3/4" = 1'-0"



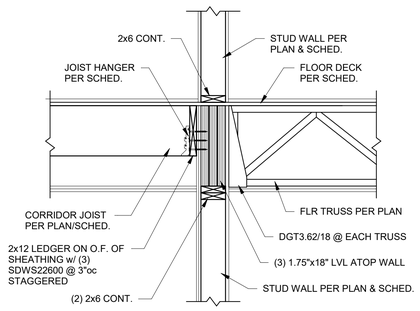
4 SECTION
3/4" = 1'-0"



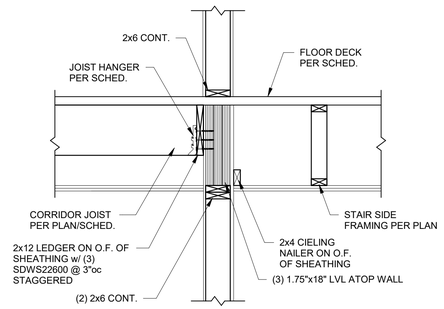
4A SECTION
3/4" = 1'-0"



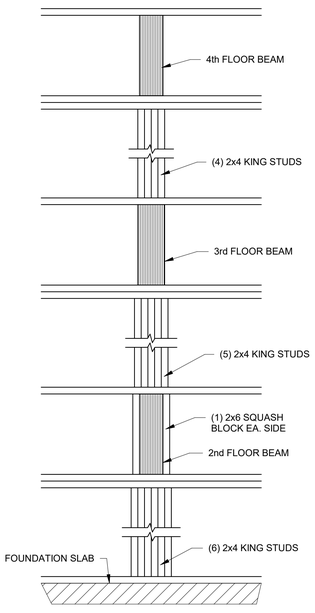
4B SECTION
3/4" = 1'-0"



4C SECTION
3/4" = 1'-0"

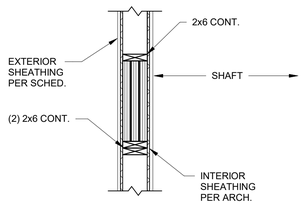


5 SECTION
3/4" = 1'-0"

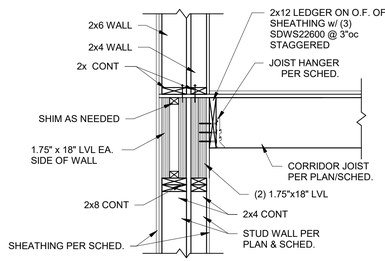


TYPICAL STAIR BEAM JAMBS

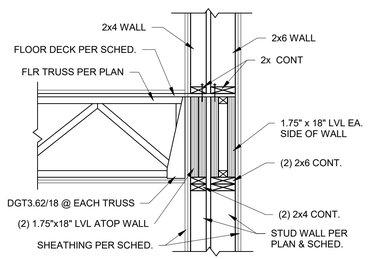
7 SECTION
3/4" = 1'-0"



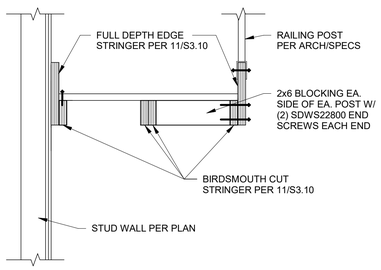
8 SECTION
3/4" = 1'-0"



8A SECTION
3/4" = 1'-0"

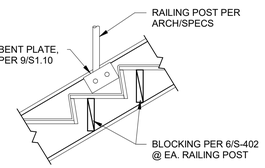


8B SECTION
3/4" = 1'-0"



TYPICAL STAIR RUN TYPICAL THRU SECTION

6 SECTION
3/4" = 1'-0"



6A SECTION
3/4" = 1'-0"

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12-22-2025

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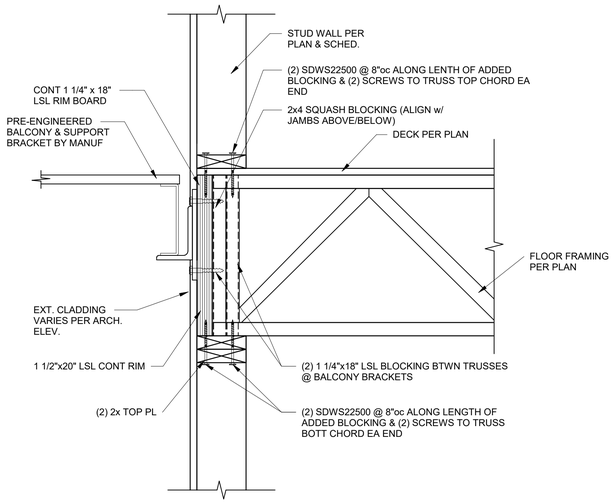
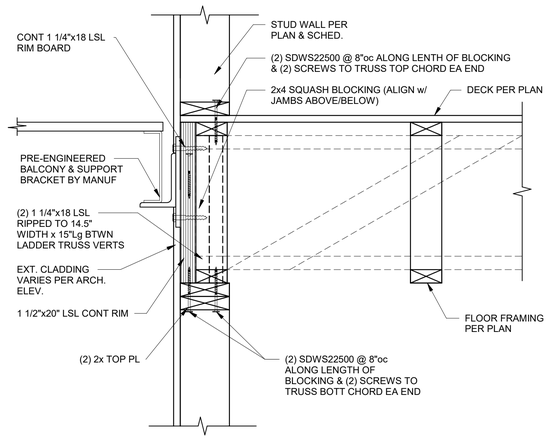
STAIR AND RATED WALL SECTIONS



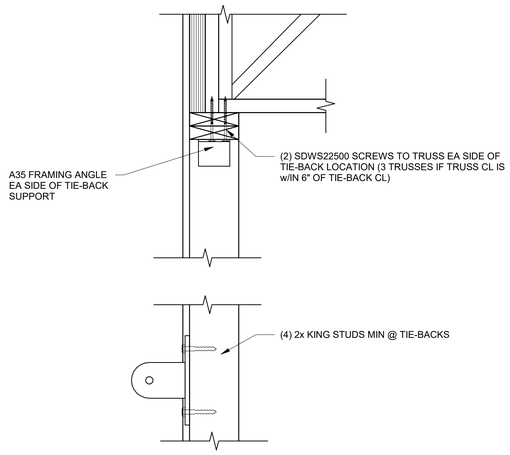
TYPICAL SECTION AT BALCONIES

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



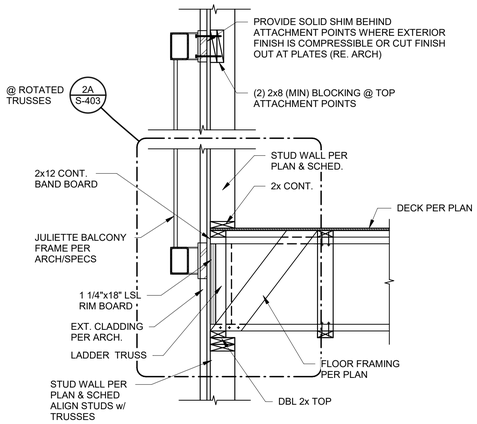
TYPICAL SECTION AT BALCONIES

1A SECTION
1 1/2" = 1'-0"



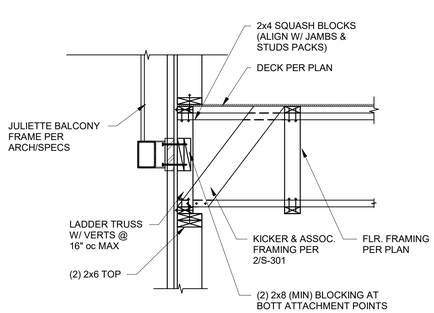
TYPICAL SECTION AT BALCONY TIE-BACKS

1B SECTION
1 1/2" = 1'-0"



TYPICAL JULIETTE BALCONY

2 SECTION
3/4" = 1'-0"



2A SECTION
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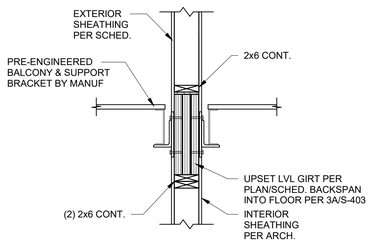
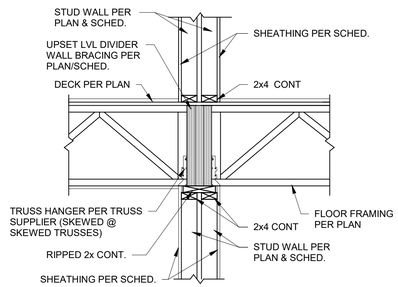


TYPICAL BALCONY DIVIDER WALL

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



3A SECTION
3/4" = 1'-0"

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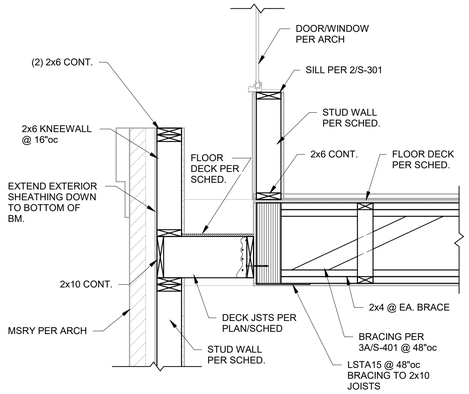
BALCONY FRAMING SECTIONS



1 SECTION
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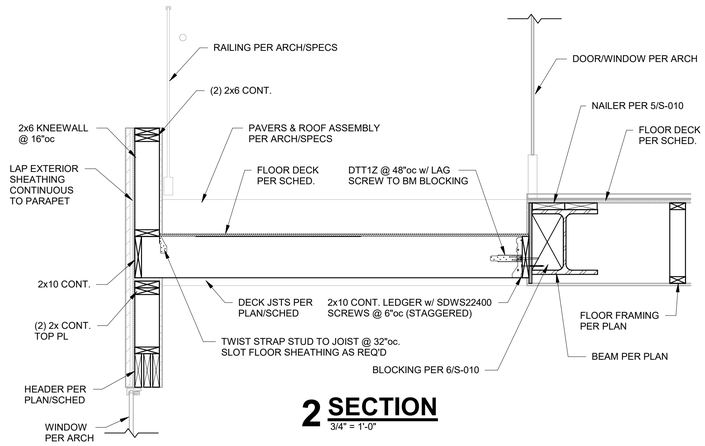

2 SECTION
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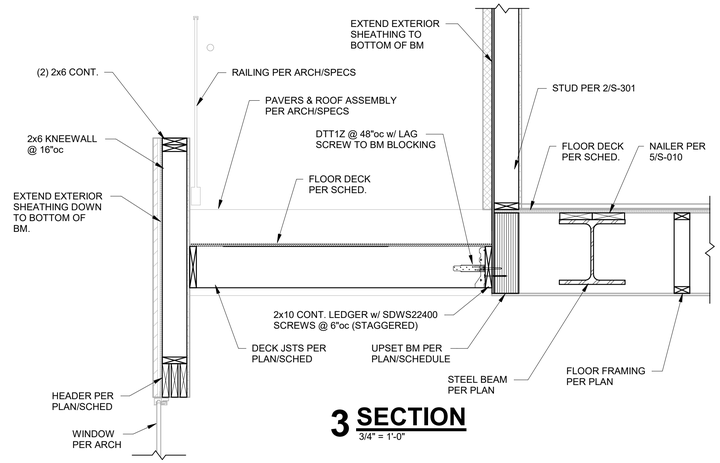
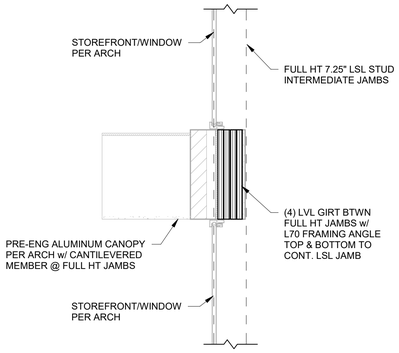


3 SECTION
3/4" = 1'-0"



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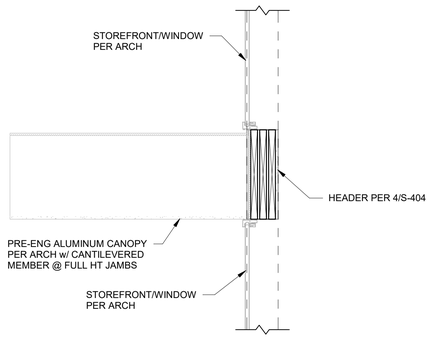
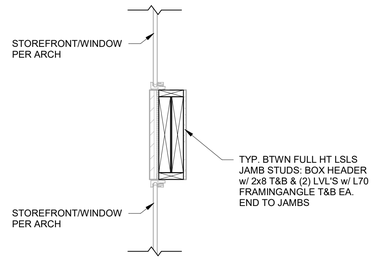
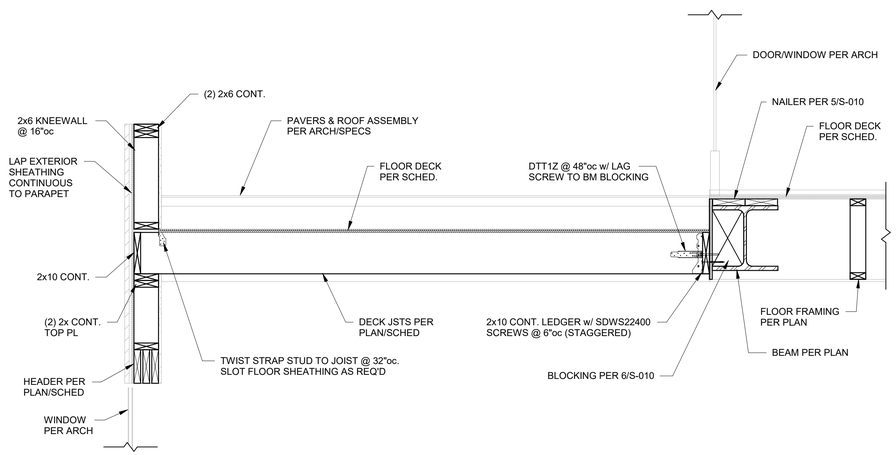


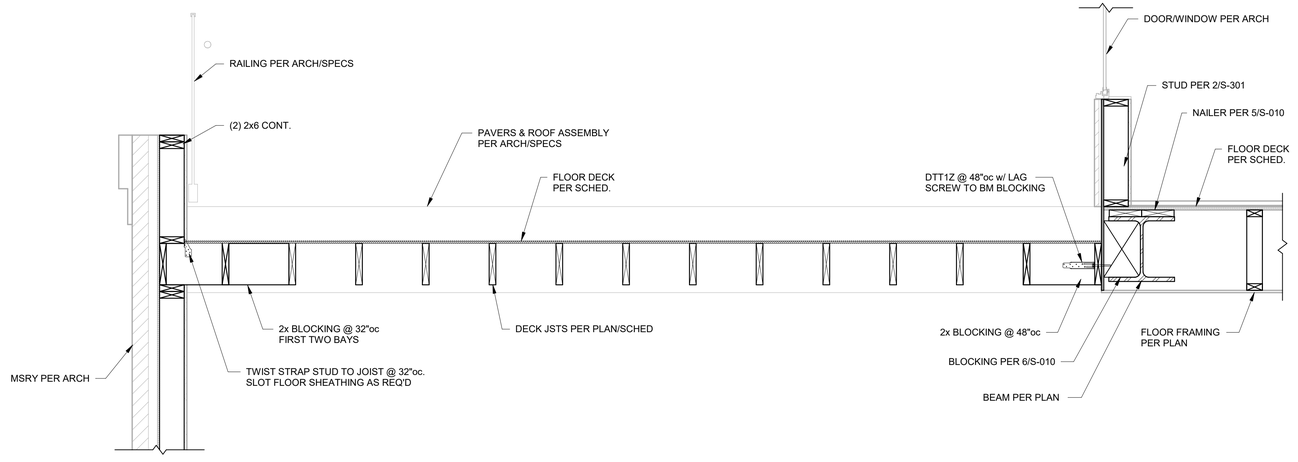
5 SECTION
3/4" = 1'-0"



6 SECTION
3/4" = 1'-0"



7 SECTION
3/4" = 1'-0"



8 SECTION
3/4" = 1'-0"

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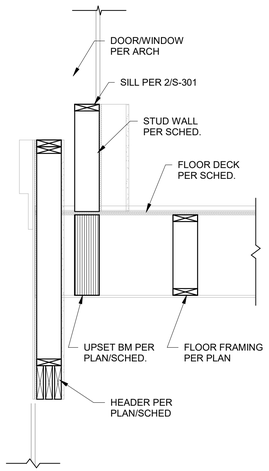
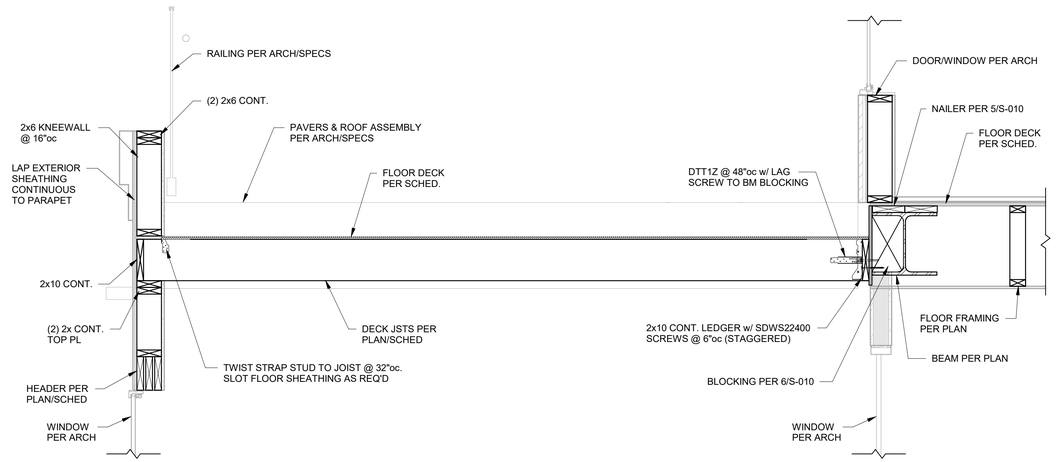
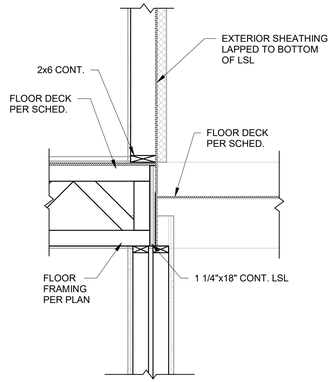
STRUCTURAL FRAMING SECTIONS



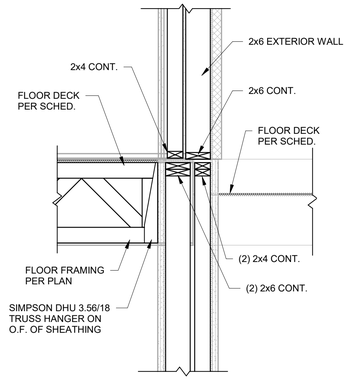
1 SECTION
3/4" = 1'-0"



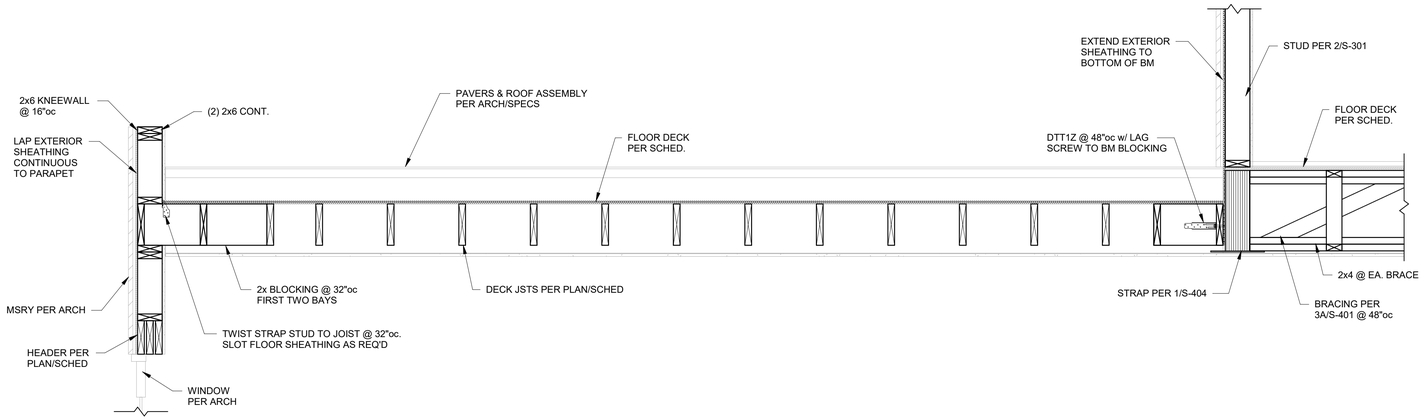
2 SECTION
3/4" = 1'-0"



5 SECTION
3/4" = 1'-0"



6 SECTION
3/4" = 1'-0"



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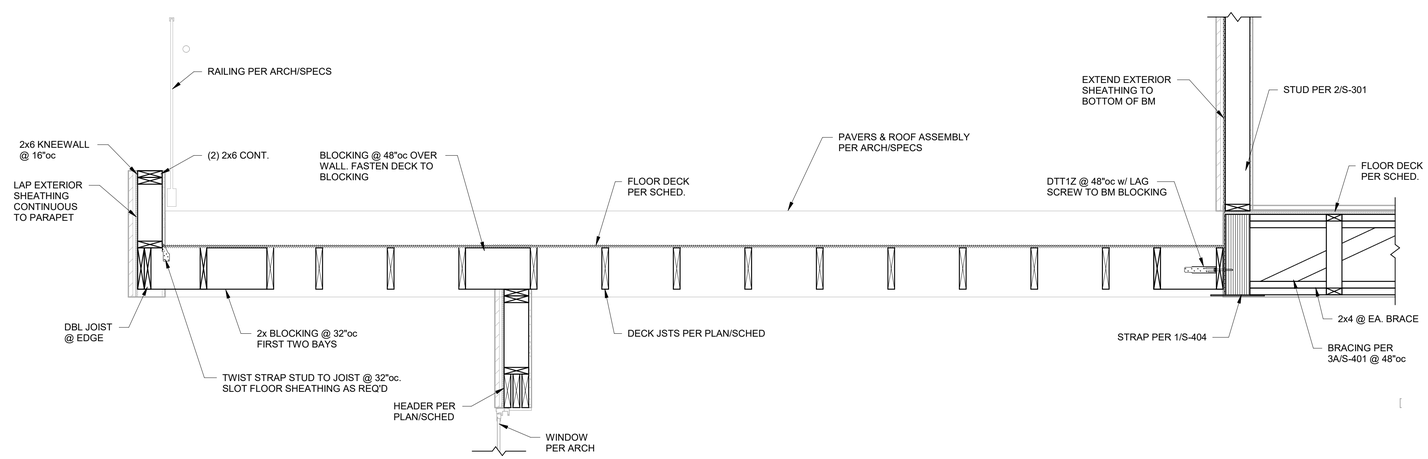

4 SECTION
3/4" = 1'-0"

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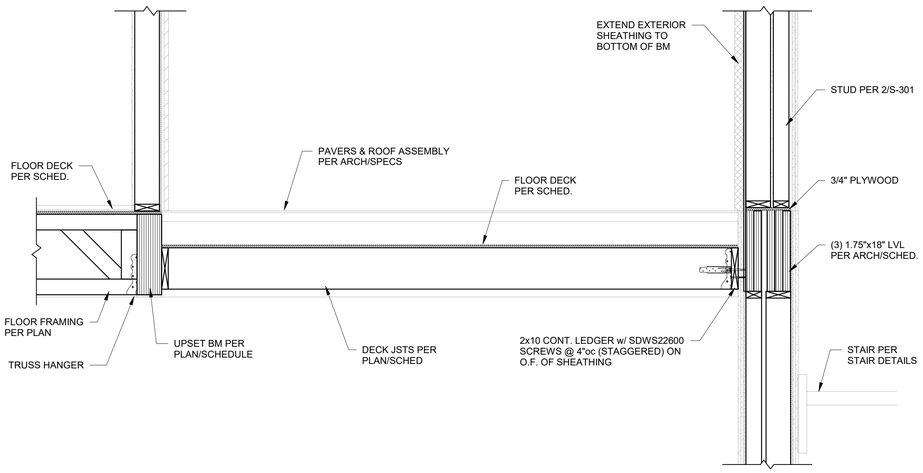
STRUCTURAL FRAMING SECTIONS



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

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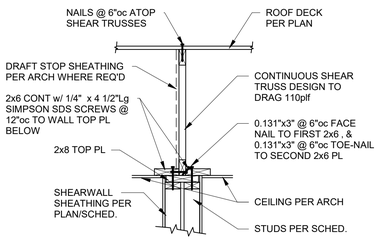
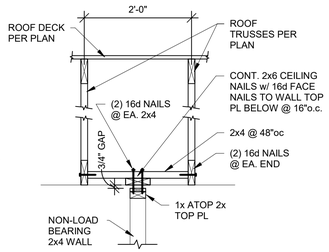
STRUCTURAL FRAMING SECTIONS



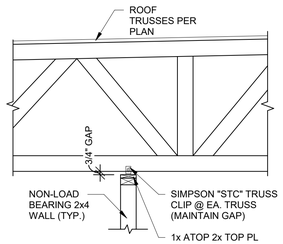
TYPICAL SHEAR TRUSS ATOP SHEARWALL

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



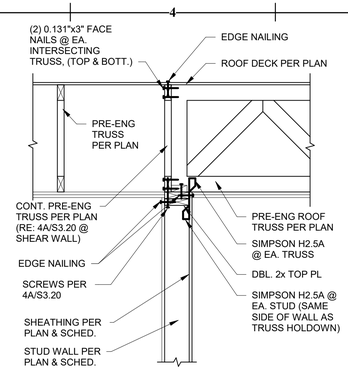
TYPICAL NON-LOAD BEARING WALL/TRUSS AT ROOF

2 SECTION 3/4" = 1'-0"



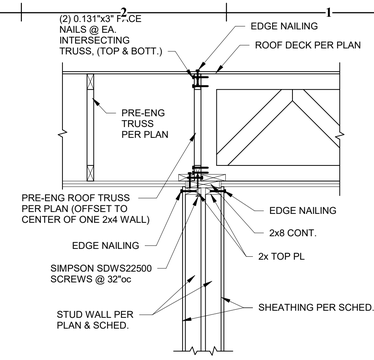
TYPICAL NON-LOAD BEARING WALL/TRUSS AT ROOF

2A SECTION 3/4" = 1'-0"



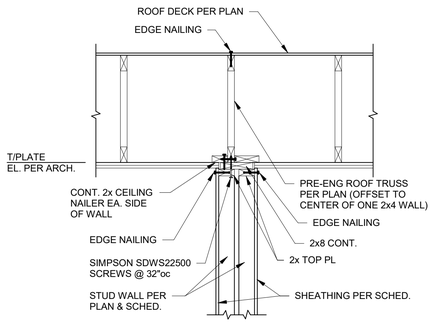
TYP. INTERSECTING ROOF TRUSSES @ BRG. WALL

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



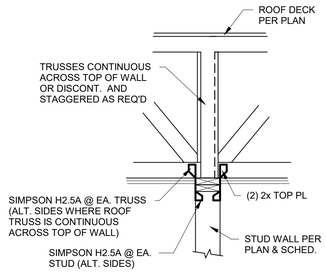
TYP. INTERSECTING ROOF TRUSSES @ BRG. DBL WALL

3A SECTION 3/4" = 1'-0"

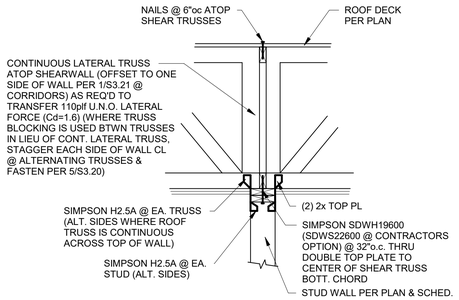


TYP ROOF TRUSS PARALLEL w/ DBL WALL

3B DETAIL 3/4" = 1'-0"

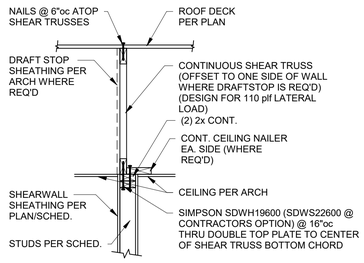


3C SECTION 3/4" = 1'-0"



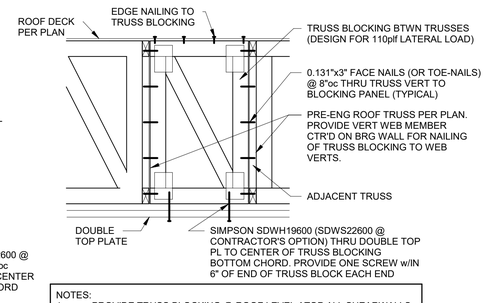
TYPICAL LATERAL TRUSS ATOP SHEARWALL PERPENDICULAR TO TRUSS SPAN

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



TYPICAL LATERAL TRUSS ATOP PARALLEL SHEARWALL

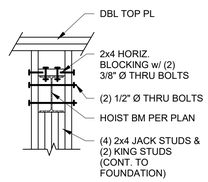
4A SECTION 3/4" = 1'-0"



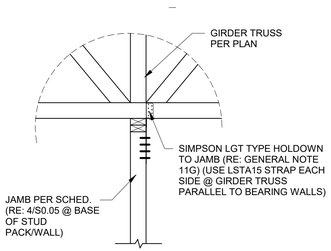
NOTES:
1. PROVIDE TRUSS BLOCKING @ ROOF LEVEL ATOP ALL SHEARWALLS WHEN A CONTINUOUS SHEAR/GIRDER TRUSS IS NOT USED.
2. TRUSS BLOCK MAY CONSIST OF A FRAMED WOOD STRUCTURAL PANEL OR PREFAB TRUSS BLOCK.
3. TRUSS MANUFACTURER TO DESIGN PREFAB TRUSS BLOCK.

TYPICAL ROOF TRUSS BLOCKING AT SHEARWALLS

5 SECTION 3/4" = 1'-0"

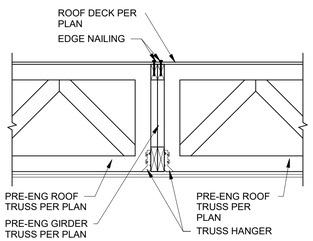


6 SECTION 3/4" = 1'-0"

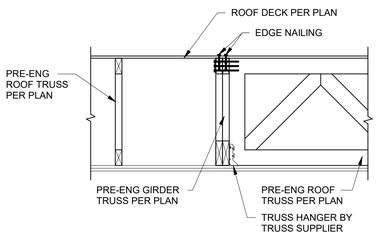


TYPICAL DETAIL AT ROOF GIRDER TRUSS BEARING

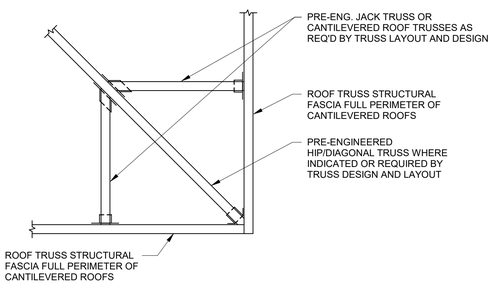
7 SECTION 3/4" = 1'-0"



8 SECTION 3/4" = 1'-0"

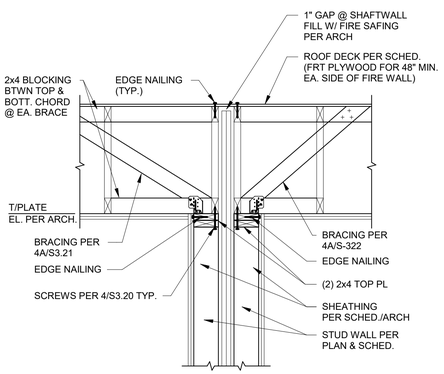


8A SECTION 3/4" = 1'-0"



TYPICAL STRUCTURAL FASCIA AT CORNERS

9 SECTION 1" = 1'-0"



TYPICAL FIRE WALL AT ROOF

10 SECTION 3/4" = 1'-0"

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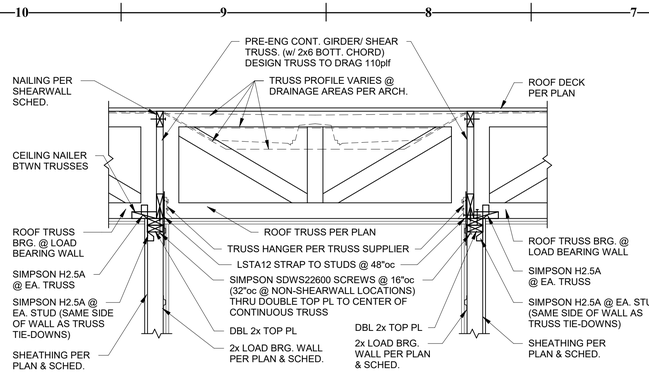
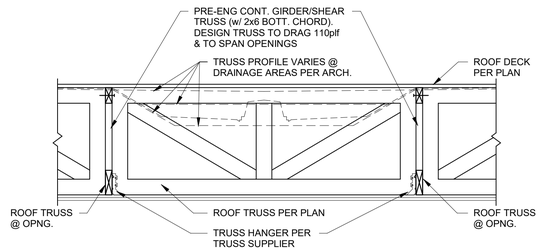
ROOF FRAMING SECTIONS

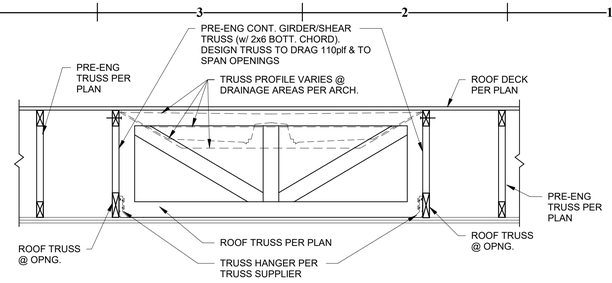


NOTE: WHERE DRAFT STOP IS REQUIRED PER ARCH, PROVIDE SHEATHING DIRECTLY TO CONT. GIRDER/SHEAR TRUSS & PROVIDE JOIST HANGER TO O.F. OF SHEATHING PER 2A/S3.21. REFER TO 6/S3.23 FOR DETAIL @ STAIRS

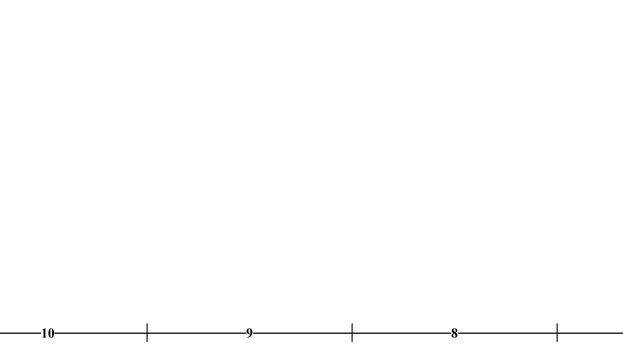
1 SECTION
3/4" = 1'-0"



1A SECTION
3/4" = 1'-0"

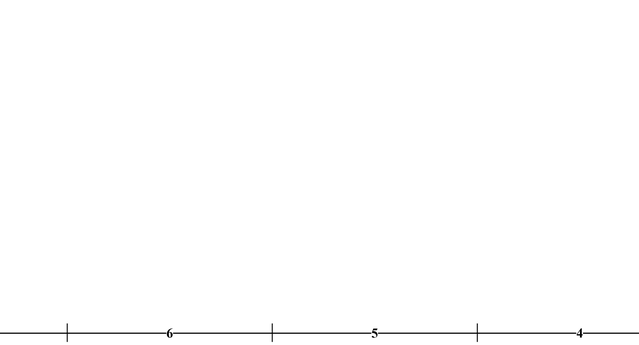


1B SECTION
3/4" = 1'-0"



NOTE: REFER TO SECTION 2A/S3.21 FOR SIMILAR SECTION AT DRAFTSTOP (RE: ARCH DWGS FOR ALTERNATE LOCATIONS) REFER TO 6/S3.23 FOR DETAIL @ STAIRS

2 SECTION
3/4" = 1'-0"



2A SECTION
3/4" = 1'-0"

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

3A SECTION
3/4" = 1'-0"

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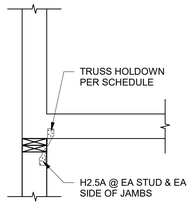
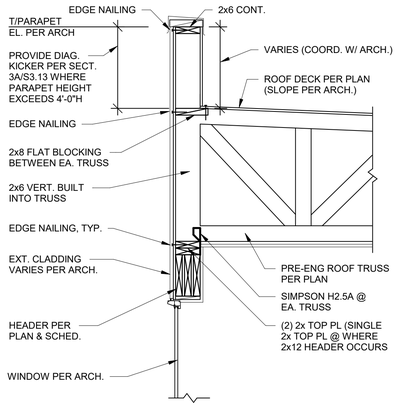
ROOF FRAMING SECTIONS

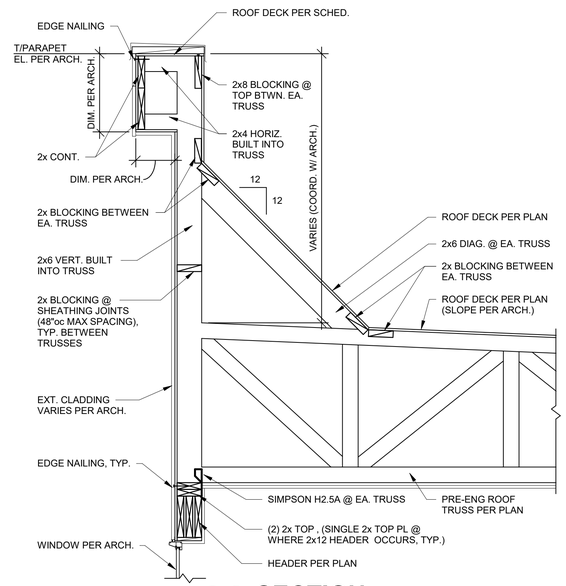
HOLDOWN TO TRUSS	ALLOWABLE UPLIFT
H2.35A (3x4 TRUSS CHORD)	260lb
H2.5A (2x6 OR LARGER)	565lb
H1	480lb
H10S	910lb



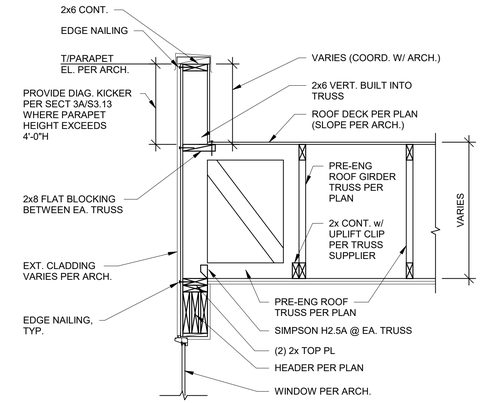
1 DETAIL
3/4" = 1'-0"



2 SECTION
3/4" = 1'-0"



2A SECTION
3/4" = 1'-0"



3 SECTION
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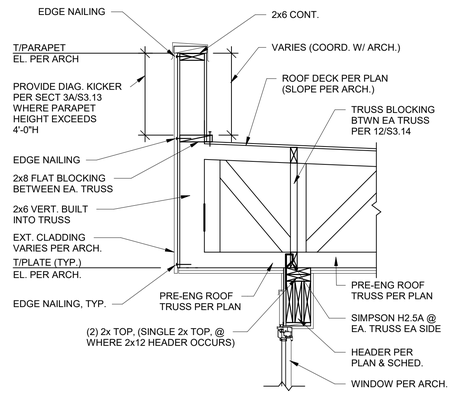

4 SECTION
3/4" = 1'-0"

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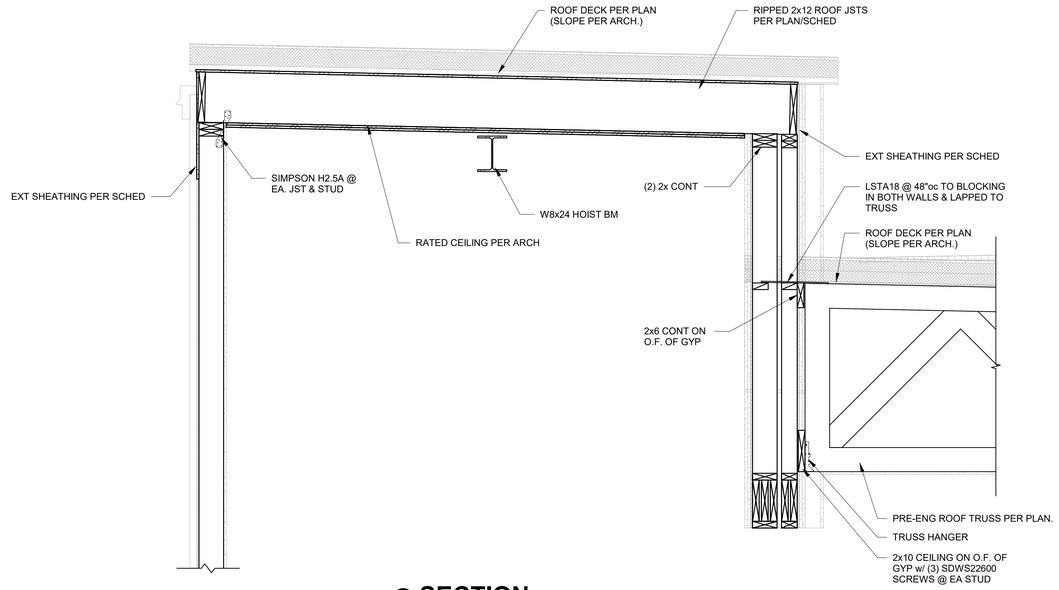
ROOF FRAMING SECTIONS

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



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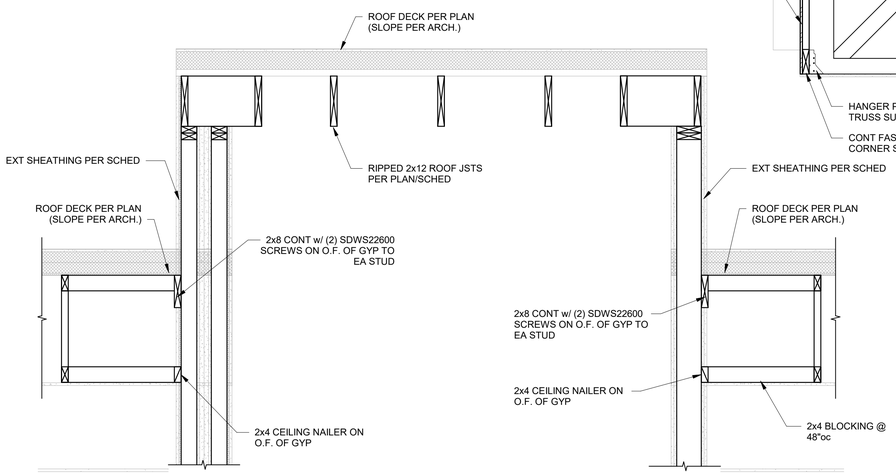
3/4" = 1'-0"



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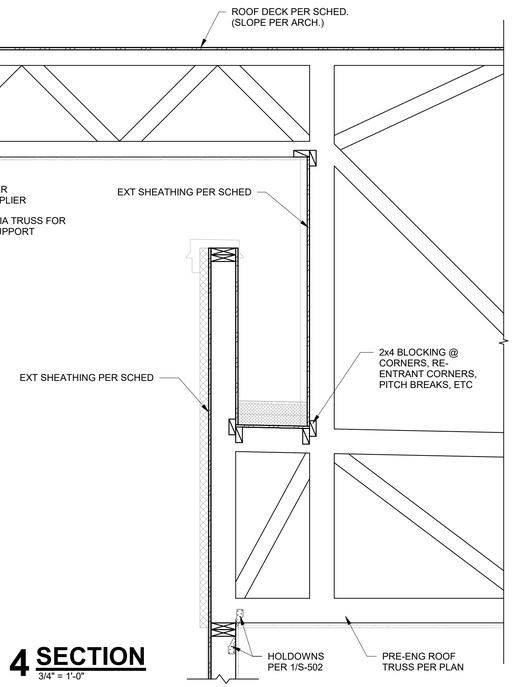
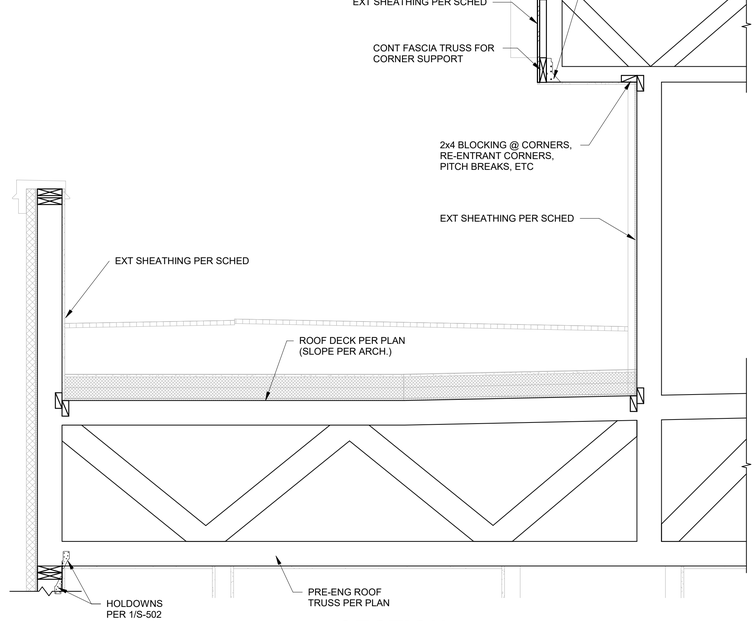


4 SECTION
3/4" = 1'-0"



5 SECTION
3/4" = 1'-0"

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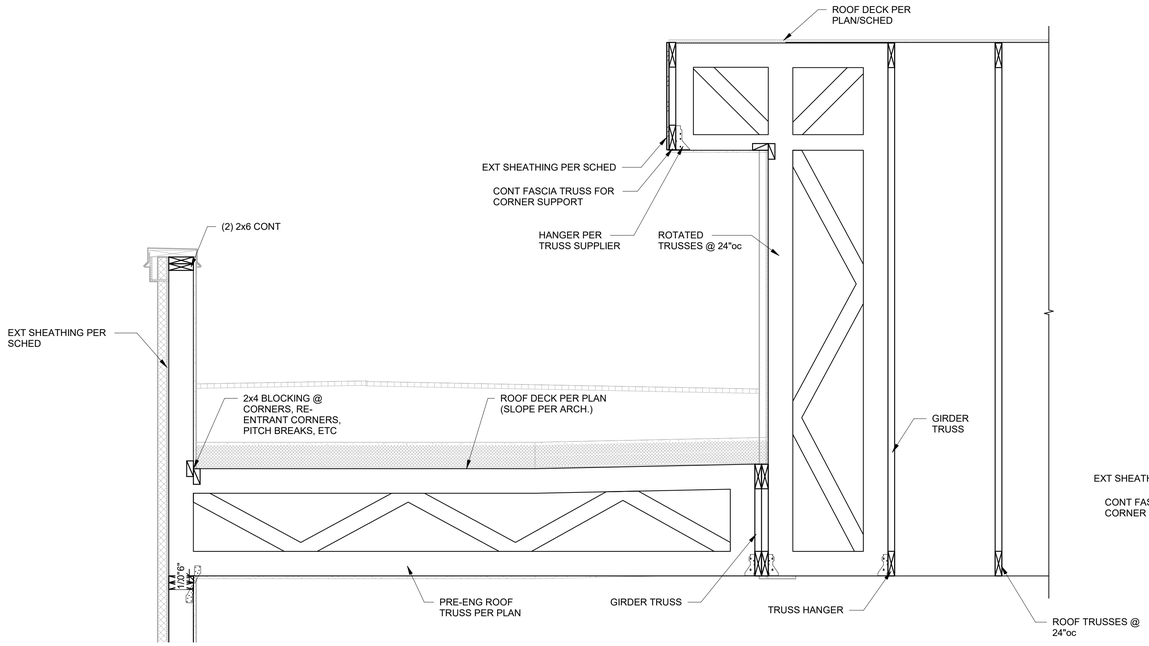
ROOF FRAMING SECTIONS



1 SECTION
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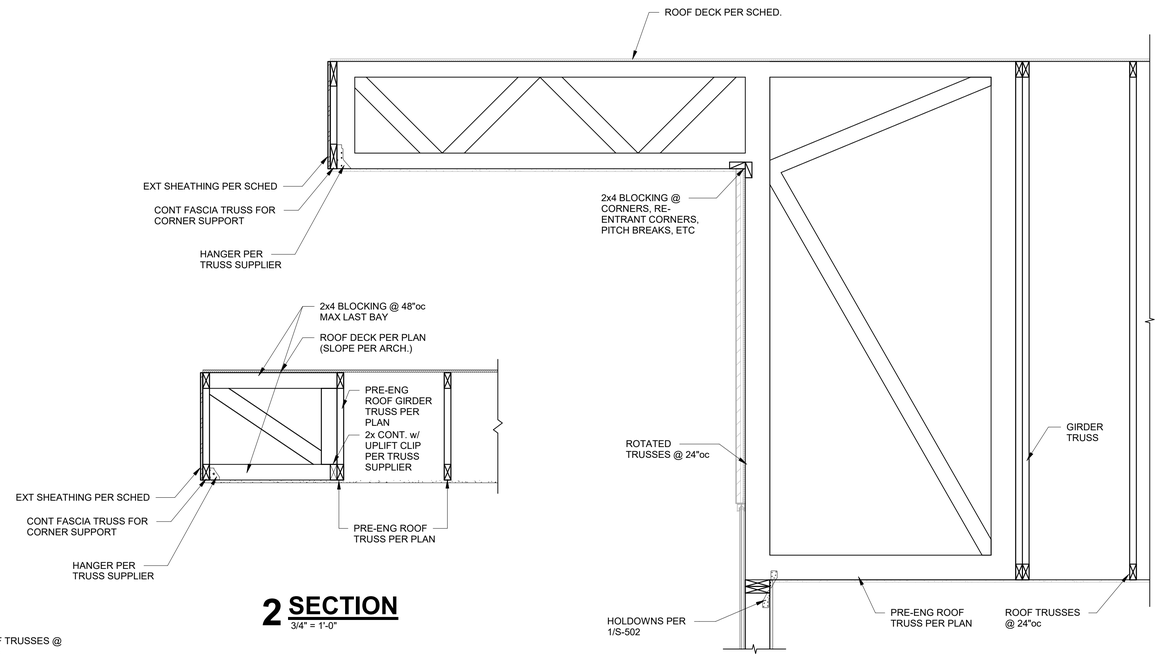
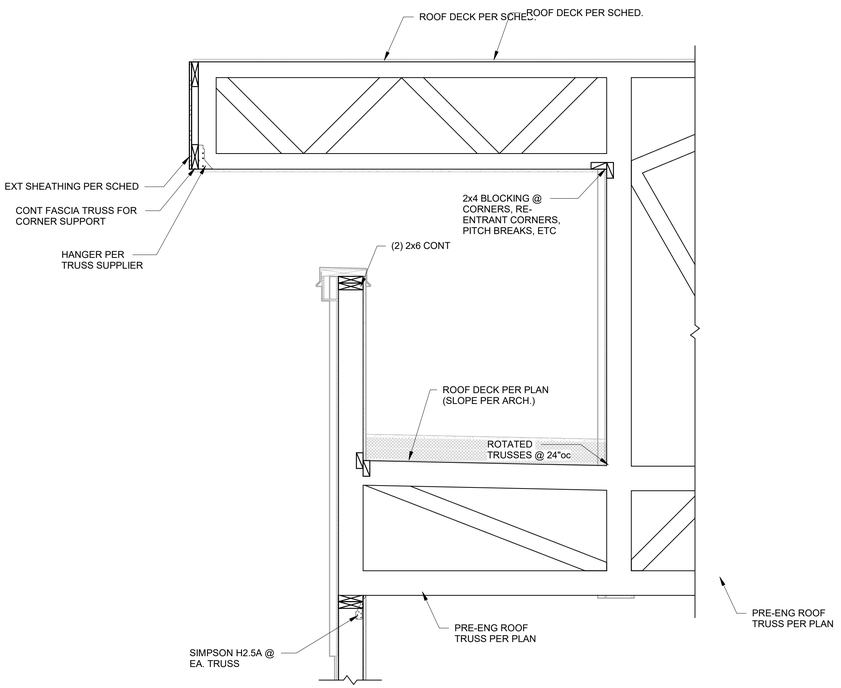


2 SECTION
3/4" = 1'-0"

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



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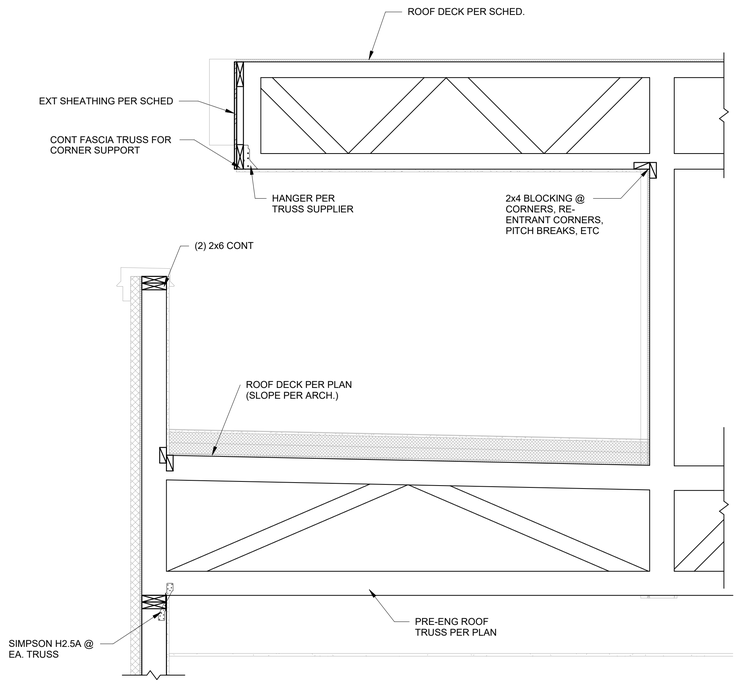

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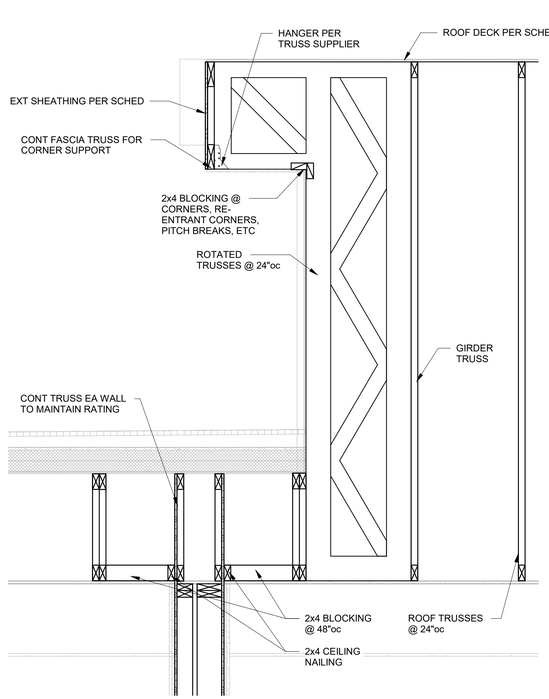
3/4" = 1'-0"



6 SECTION
3/4" = 1'-0"

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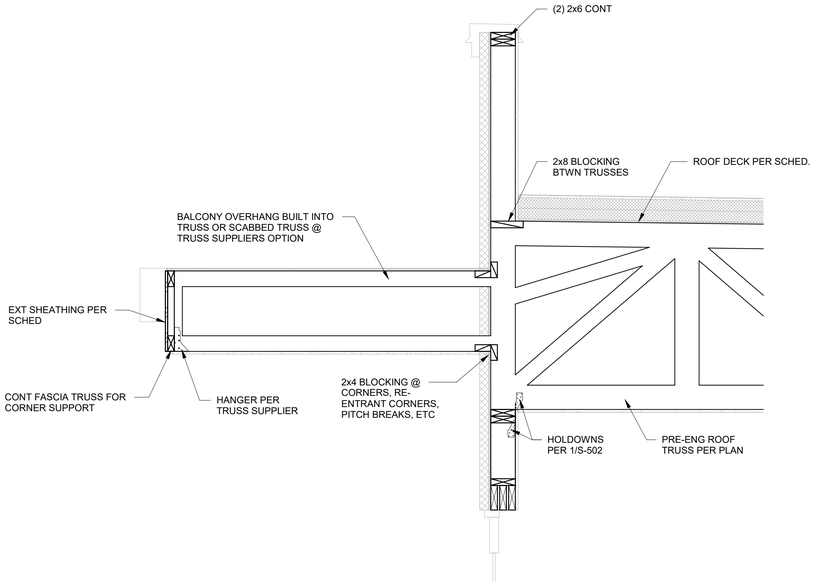
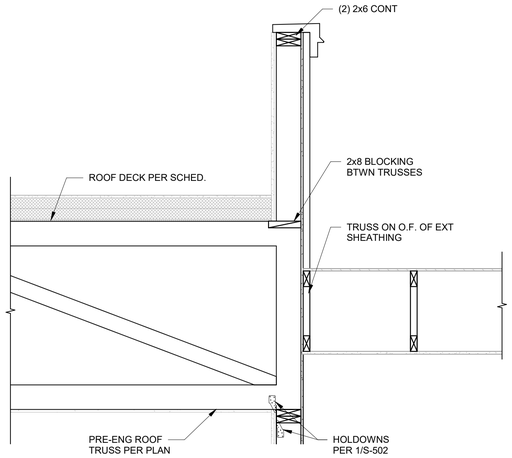
ROOF FRAMING SECTIONS



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



2 SECTION
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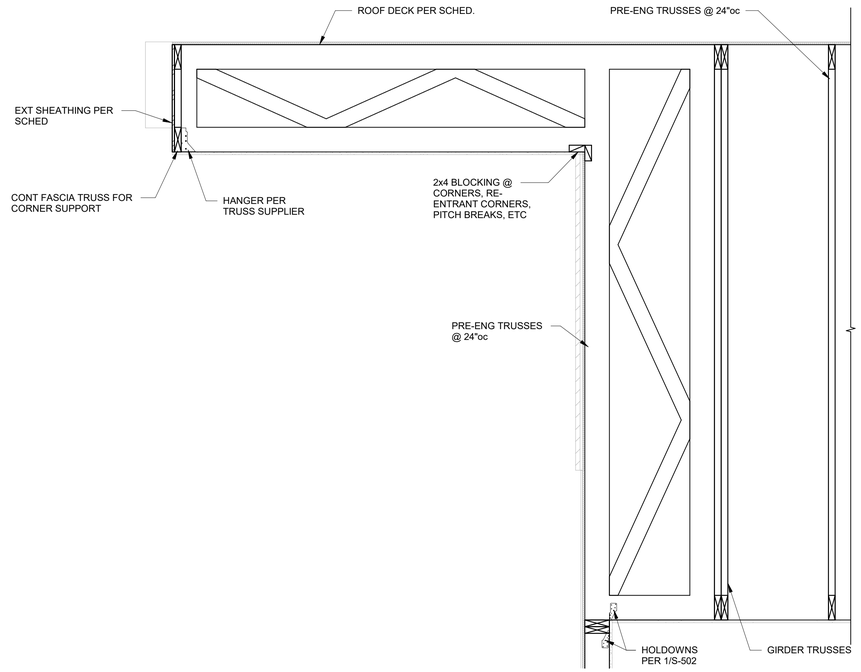
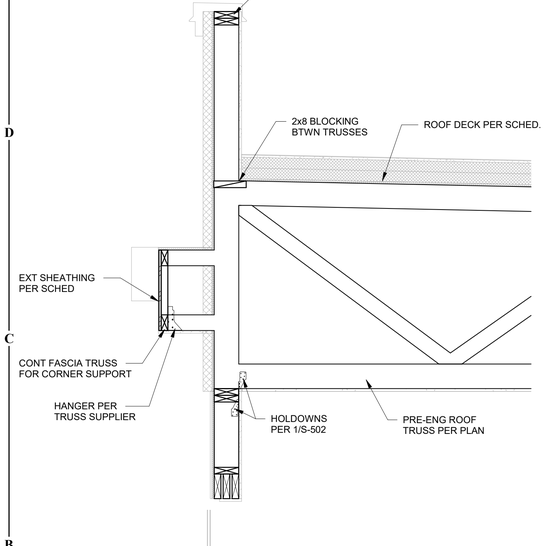
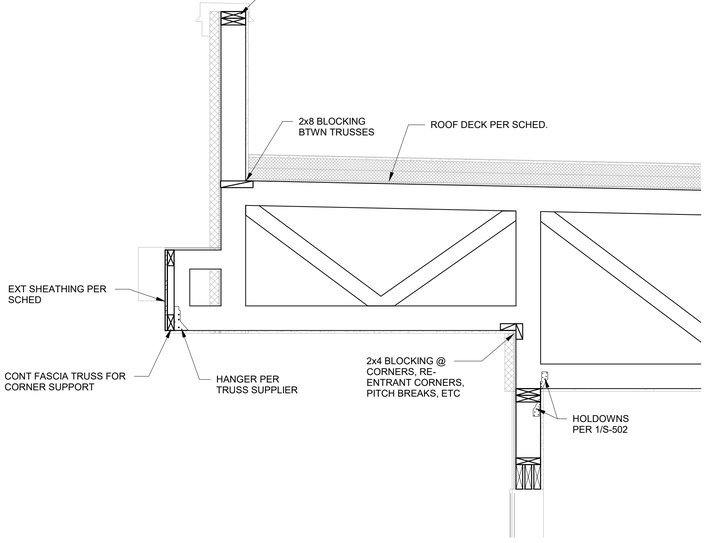


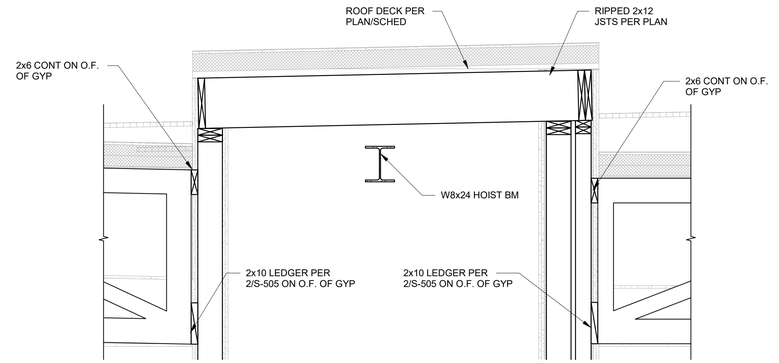
3 SECTION
3/4" = 1'-0"



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



5 SECTION
3/4" = 1'-0"



6 SECTION
3/4" = 1'-0"

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STATE OF MISSOURI
BRANDON M. FORD
NUMBER PE-2013021722
12-22-2025

PERMIT SET

OLDHAM VILLAGE
1100 SW JEFFERSON ST
LEE'S SUMMIT, MO 64081

REVISION DATES:

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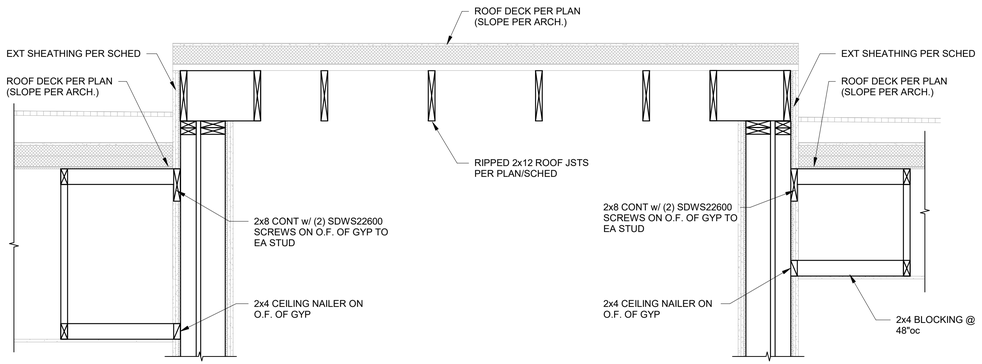
PROFESSIONAL SEAL

S-505

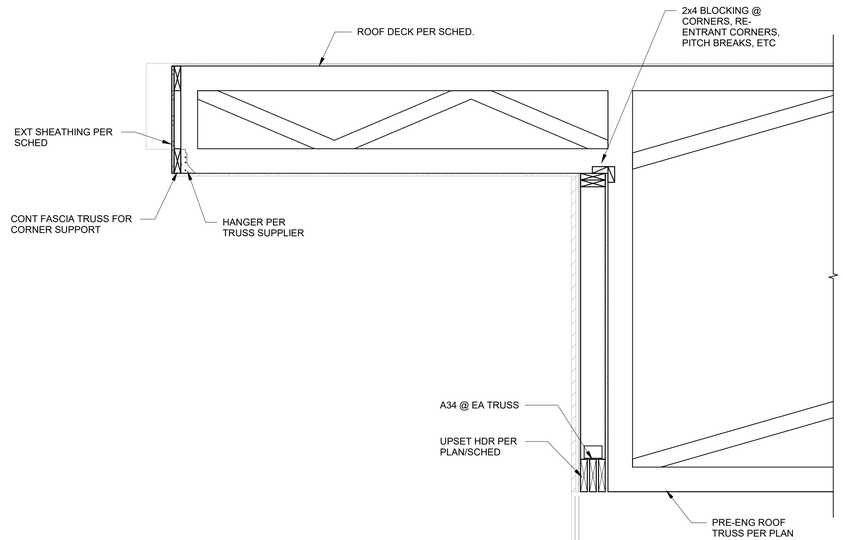
ISSUE DATE: DECEMBER 22, 2025

HOEFER WELKER #: 1259011

ROOF FRAMING SECTIONS



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



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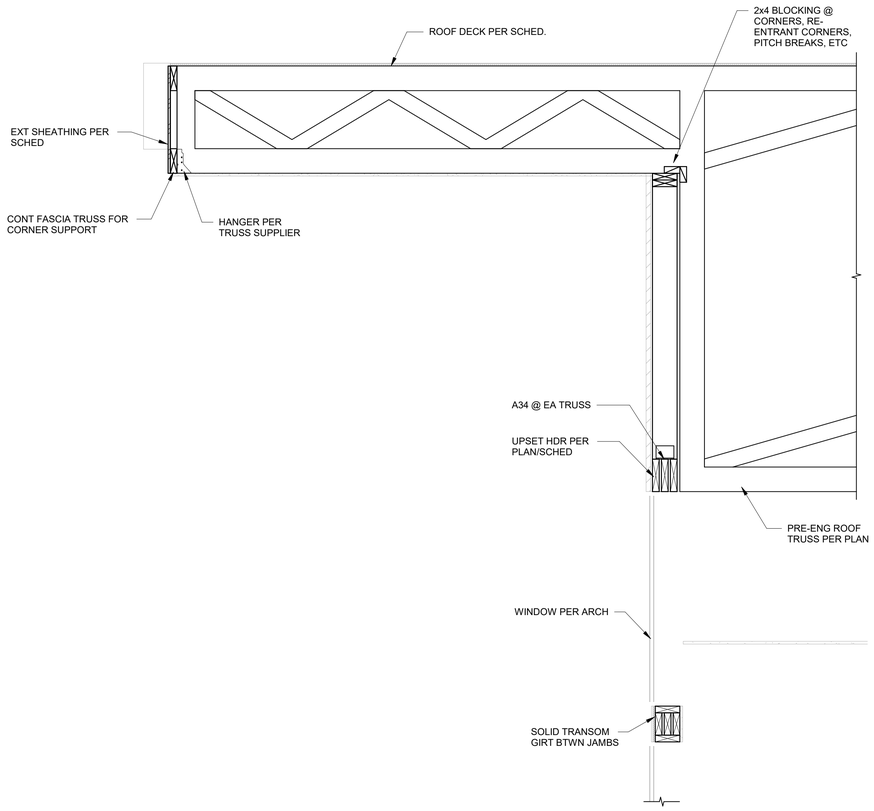

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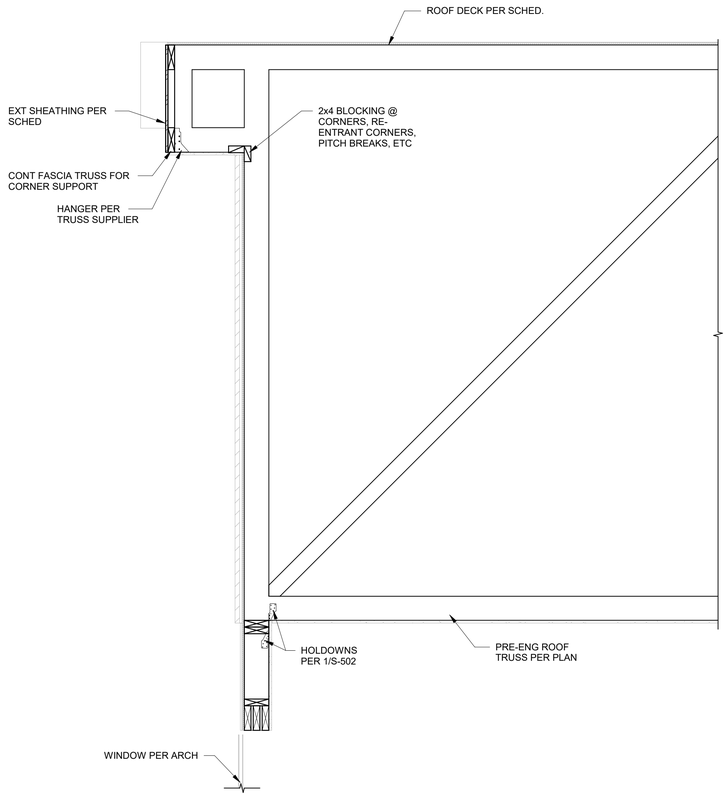

4 SECTION
3/4" = 1'-0"

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STATE OF MISSOURI
BRANDON M. FORD
NUMBER
PE-2013021081
PROFESSIONAL ENGINEER
12-22-2025

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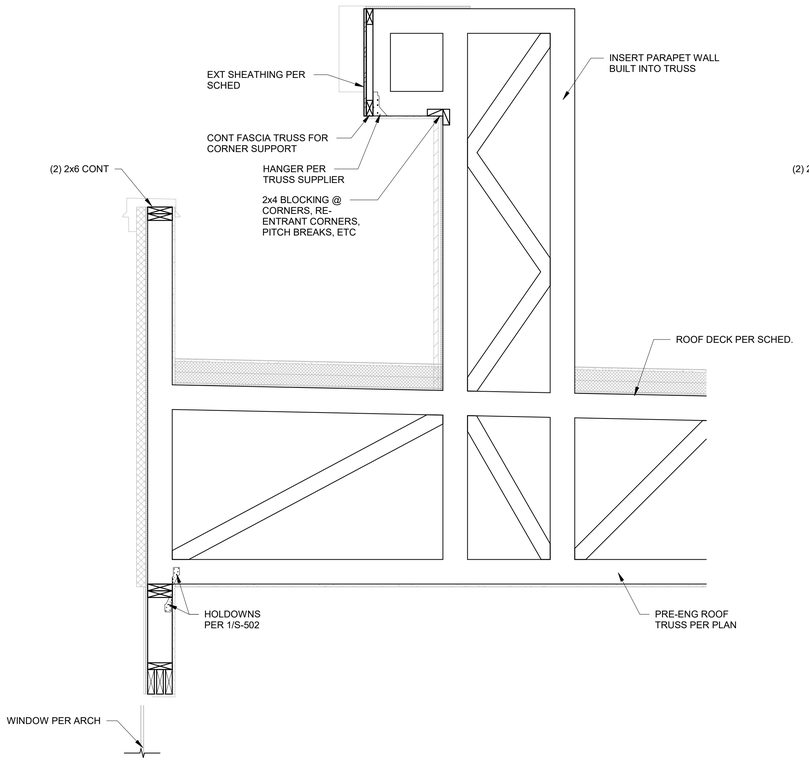
ROOF FRAMING SECTIONS



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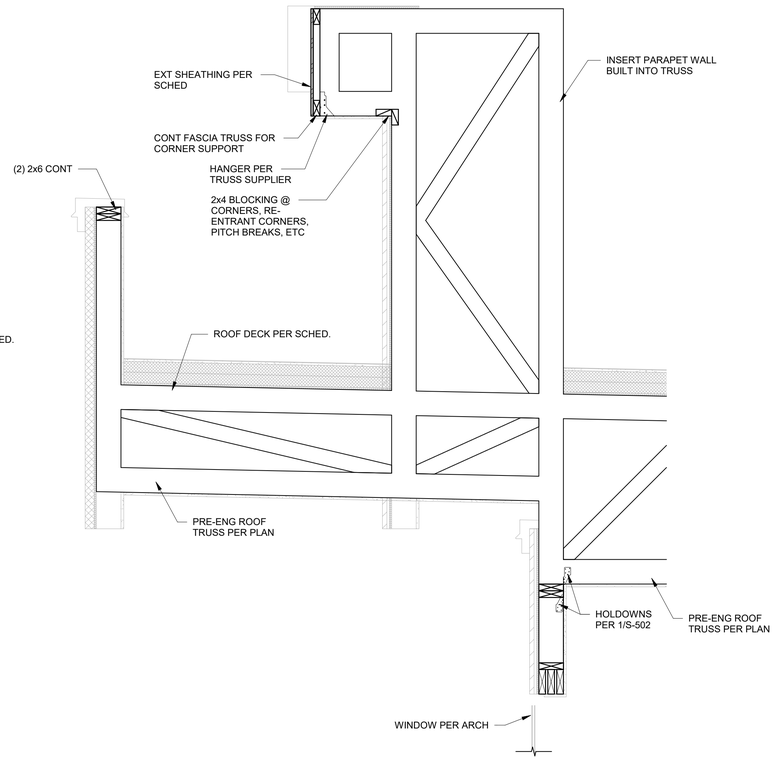
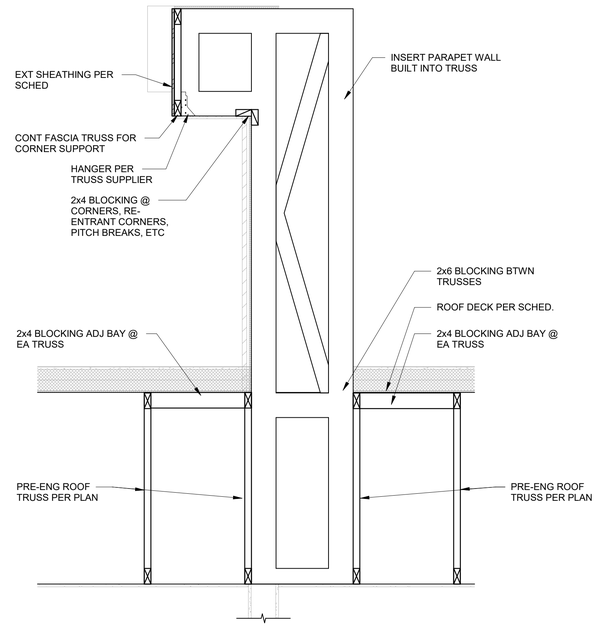


2 SECTION
3/4" = 1'-0"



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

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PROFESSIONAL SEAL

S-507

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ROOF FRAMING SECTIONS

GENERAL

- MECHANICAL NOTE REFERENCE
- ELECTRICAL NOTE REFERENCE
- DEMOLITION NOTE REFERENCE
- REVISION NOTE REFERENCE
- CONNECT TO EXISTING WORK
- DETAIL REFERENCE - NO./SHEET NO.
- SECTION CUT - SECTION/SHEET NO.
- BRACKET DENOTES A WALL MOUNTED DEVICE, TYP

CONDUIT AND WIRE

- CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING. 3-#12 AWG CONDUCTORS, UNLESS NOTED OTHERWISE.
- TICK MARKS (UN-SWITCHED LINE, NEUTRAL, GROUND)
- ARROW INDICATES HOME RUN TO PANEL.
- CONDUIT RUN UNDERGROUND OR CONCEALED IN SLAB.D)
- LOW VOLTAGE WIRING/CONDUIT RUN

LIGHTING

- BATTERY OPERATED EMERGENCY LIGHT (WALL MOUNTED)
- BATTERY OPERATED EMERGENCY LIGHT (CEILING MOUNTED)
- SURFACE/RECESSED LIGHT FIXTURE
- DENOTES A WALL MOUNTED FIXTURE
- 2X4 LIGHT FIXTURE
- 2X2 LIGHT FIXTURE
- 1X4 LIGHT FIXTURE
- STRIP / LINEAR LIGHT FIXTURE
- SHADING DENOTES EMERGENCY FIXTURE
- POLE MOUNTED LIGHT FIXTURE - SINGLE HEAD
- POLE MOUNTED LIGHT FIXTURE - DUAL HEAD
- POLE MOUNTED LIGHT FIXTURE - PEDESTRIAN SCALE
- EXIT LIGHT - DOUBLE FACE - ARROWS AS SHOWN
- EXIT LIGHT - SINGLE FACE - ARROWS AS SHOWN
- LINE VOLTAGE SWITCHES-SINGLE POLE, 3-WAY, 4-WAY, KEY, PILOT LIGHT, DIMMER
- VACANCY SWITCH
- VACANCY DIMMER SWITCH
- LOW VOLTAGE SWITCH
- LOW VOLTAGE DIMMER SWITCH
- LOW VOLTAGE SCENE SWITCH
- LOW VOLTAGE TOUCHSCREEN
- DIGITAL TIMER SWITCH
- OCCUPANCY SENSOR (LETTER DENOTES TYPE)
- PHOTOCELL
- LIGHTING CONTROL NOTE

WIRING DEVICES

- DUPLEX RECEPTACLE
- FOURPLEX RECEPTACLE
- SIMPLEX/SPECIAL RECEPTACLE (NEMA CONFIG. NOTED)
- LINE THRU DEVICE INDICATES ABOVE COUNTER
- 3RD LINE THROUGH MIDDLE INDICATES OCCUPANCY CONTROLLED
- RECEPTACLE TYPES - (IG) ISOLATED GROUND, (GFI) GROUNDFAULT, (U) UPS, (USB) W/ INTEGRAL USB, (D) DEDICATED, (S) SPLIT WIRED
- DUPLEX RECEPTACLE SUPPLIED BY GENERATOR (SINGLE, FOURPLEX AND SPECIAL ARE SIMILAR)
- CEILING MOUNTED RECEPTACLE
- RECESSED FLOOR BOX W/DUPLEX RECEPTACLE
- MULTI-SERVICE WALL BOX
- MULTI-SERVICE FLOOR BOX
- DIVIDED POWER POLE
- MULTI-OUTLET ASSEMBLY

POWER DEVICE AND CONTROLS

- DISCONNECT SWITCH. 30A/3P NON-FUSED EXCEPT AS NOTED OTHERWISE.
- MAGNETIC MOTOR STARTER
- COMBINATION MOTOR STARTER AND DISCONNECT SWITCH
- MOTOR
- PANELBOARD (SEE ONE-LINE)
- CONTACTOR
- AUTOMATIC TRANSFER SWITCH
- JUNCTION BOX
- JUNCTION BOX - FURNITURE FEED WHIP CONNECTION
- PUSHBUTTON
- EMERGENCY POWER OFF PUSHBUTTON
- TRANSFORMER
- CONTROL RELAY

TELECOMMUNICATIONS

- TELEPHONE OUTLET
- DATA OUTLET
- TELEPHONE/DATA OUTLET
- TELEVISION OUTLET
- ABOVE CEILING DATA OUTLET FOR WIRELESS ACCESS POINT
- LINE THRU DEVICE INDICATES ABOVE COUNTER
- CIRCLE INDICATES FLOOR MOUNTED OUTLET
- SQUARE INDICATES CEILING MOUNTED OUTLET

SPECIAL SYSTEMS

- MICROPHONE OUTLET
- SPEAKER
- HORN TYPE SPEAKER
- SPEAKER VOLUME CONTROL
- PUBLIC ADDRESS AMPLIFIER AND CABINET
- DOOR BELL
- INTERCOM STATION
- INTERCOM STATION - MASTER
- AUDIO/VISUAL BOX
- CEILING MOUNTED AUDIO/VISUAL BOX

SECURITY

- SURVEILLANCE CAMERA ('F' DENOTES FISH-EYE TYPE)
- PTZ SURVEILLANCE CAMERA
- SURVEILLANCE CAMERA WITH 180° VIEWING ANGLE (PANORAMIC STYLE)
- SURVEILLANCE CAMERA WITH 360° VIEWING ANGLE (PANORAMIC STYLE, WITH MULTIPLE CAMERA LENSES)
- CCTV DISPLAY SCREEN
- CARD READER ('D' DENOTES A DUAL LEVEL TYPE (W/PIN)
- ACCESS CONTROL DOOR INTERFACE
- DOOR HARDWARE POWER SUPPLY
- DUAL AUTHENTICATION CARD READER (WITH KEYPAD)
- BALANCED MAGNETIC SWITCH
- MOTION SENSOR REQUEST TO EXIT ABOVE DOOR
- REQUEST TO EXIT PUSHBUTTON
- DELAYED EGRESS PANIC BAR
- ELECTRIFIED LOCKSET
- ELECTRIFIC DOOR STRIKE
- MAGNETIC DOOR LOCK
- ACCESS CONTROL STATION (ENROLLMENT)
- SECURITY MANAGEMENT STATION
- INTRUSION - ACTIVATION/DEACTIVATION KEYPAD
- DOOR CONTACT
- REFRIGERATOR ALARM
- MOTION SENSOR - SECURITY
- GLASS BREAK SENSOR
- WINDOW MESH SENSOR
- WIRELESS DURESS (PANIC) BUTTON - CONCEALED AT DESK
- WIRELESS DURESS (PANIC) BUTTON - WALL MOUNT TYPE
- DURESS PHONE, PEDESTAL TYPE ("CODE BLUE PHONE")
- DURESS (PANIC) MASTER STATION/ANNUNCIATION PANEL

FIRE ALARM

- FIRE ALARM ANNUNCIATION PANEL
- FIRE ALARM CONTROL PANEL
- MANUAL PULL STATION
- SMOKE DETECTOR
- SMOKE DETECTOR - DUCT MOUNTED
- SMOKE DETECTOR - WITH SOUNDER BASE
- COMBINATION SMOKE/CARBON MONOXIDE DETECTOR
- CARBON MONOXIDE DETECTOR
- COMBO SMOKE/CARBON MONOXIDE/SOUNDER BASE
- THERMODETECTOR(HEAT) DETECTOR
- THERMODETECTOR(HEAT) DETECTOR - DUCT MOUNTED
- DOOR HOLDER
- CHIME
- BELL
- FIRE ALARM HORN
- FIRE ALARM SPEAKER
- FIRE ALARM STROBE
- COMBINATION FIRE ALARM HORN AND STROBE
- COMBINATION FIRE ALARM SPEAKER AND STROBE
- REMOTE ALARM LAMP
- POST INDICATOR SWITCH
- FLOW SWITCH
- TAMPER SWITCH
- ADDRESSABLE INTERFACE

NURSE CALL

- MASTER STATION
- MASTER STATION W/ SPEAKER (HANDSET)
- STAFF STATION W/ SPEAKER
- DUTY STATION
- DUTY STATION W/ SPEAKER
- EMERGENCY PULLCORD
- EMERGENCY PULLCORD W/ SPEAKER
- CODE BUTTON
- STAFF ASSIST BUTTON
- CODE AND STAFF ASSIST BUTTONS
- PATIENT STATION - SINGLE
- PATIENT STATION - DUAL
- PATIENT STATION W/ CODE/STAFF ASSIST
- BED INTERFACE
- AUXILIARY INPUT - SINGLE
- AUXILIARY INPUT - DUAL
- DOME LIGHT
- DOME LIGHT - ZONE TYPE

HVAC

- CHILLED WATER SUPPLY
- CHILLED WATER RETURN
- DUAL TEMP SUPPLY
- DUAL TEMP RETURN
- CONDENSER SUPPLY
- CONDENSER RETURN
- HEATING HOT WATER SUPPLY
- HEATING HOT WATER RETURN
- STEAM SUPPLY
- STEAM CONDENSATE RETURN
- HVAC DRAIN (CONDENSATE)
- REFRIGERANT
- THERMOSTAT
- TEMPERATURE SENSOR
- HUMIDITY SENSOR
- CARBON DIOXIDE SENSOR
- THERMOSTAT / CO2 SENSOR COMBO
- THERMOSTAT / CO2 / HUMIDITY SENSOR COMBO
- CHLORINE SENSOR
- SPACE PRESSURE MONITOR
- CARBON MONOXIDE SENSOR
- NITROGEN DIOXIDE SENSOR
- CARBON MONOXIDE / NITROGEN DIOXIDE SENSOR
- WALL SWITCH
- HUMIDIFIER

FIRE PROTECTION

- FIRE PROTECTION PIPING
- FIRE HOSE CABINET
- FIRE DEPARTMENT VALVE
- UPRIGHT SPRINKLER HEAD
- PENDENT SPRINKLER
- RECESSED SPRINKLER
- CONCEALED SPRINKLER
- SIDEWALL SPRINKLER.
- DOUBLE CHECK DETECTOR BACKFLOW PREVENTER
- FIRE DEPARTMENT CONNECTION
- POST INDICATOR VALVE

PLUMBING

- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- DOMESTIC HOT WATER 140°
- DOMESTIC TEMPER WATER
- SOFT DOMESTIC COLD WATER
- SOFT DOMESTIC HOT WATER
- SOFT HOT WATER RECIRC
- DOMESTIC HOT WATER RECIRC
- DOMESTIC HOT WATER RECIRC 140°
- DOMESTIC DEIONIZED WATER
- REVERSE OSMOSIS WATER
- COMPRESSED AIR
- SANITARY WASTE
- SANITARY WASTE UNDERGROUND
- VENT
- PUMP DISCHARGE
- GREASE WASTE
- GREASE WASTE UNDERGROUND
- STORM DRAIN
- STORM DRAIN UNDERGROUND
- STORM OVERFLOW DRAIN
- STORM OVERFLOW DRAIN UNDERGROUND
- HOSE BIBB, WALL / ROOF / YARD HYDRANT
- CLEAN OUT, WALL CLEAN OUT
- FLOOR CLEAN OUT
- FLOOR / AREA DRAIN
- FLOOR SINK / TROUGH
- ROOF DRAIN / OVERFLOW ROOF DRAIN
- TRENCH DRAIN
- REDUCED PRESSURE BACKFLOW PREVENTER
- PLUMBING RISER CALL-OUT NUMBER

MEDICAL / LABORATORY

- MEDICAL COMPRESSED AIR
- MEDICAL VACUUM
- DENTAL VACUUM
- OXYGEN
- NITROGEN
- NITROUS OXIDE
- WAG LINE
- INSTRUMENT COMPRESSED AIR
- OXYGEN OUTLET
- MEDICAL VACUUM OUTLET
- MEDICAL AIR OUTLET
- NITROUS OXIDE OUTLET
- INSTRUMENT AIR OUTLET

PIPING

- ELBOW DOWN
- ELBOW UP
- TEE UP
- TEE DOWN
- CAP
- UNION
- PIPE FLEX
- STRAINER
- PRESSURE GAUGE WITH GAUGE COCK
- TEMPERATURE GAUGE
- THERMOMETER.
- SITE GLASS
- FILTER-DRIER
- BASKET STRAINER
- SHUTOFF VALVE
- SHUTOFF VALVE IN RISER
- BALANCING VALVE
- RELIEF VALVE
- TEST PLUG
- TRIPLE DUTY VALVE
- CHECK VALVE
- AUTOMATIC CONTROL VALVE (2-WAY)
- AUTOMATIC CONTROL VALVE (3-WAY)
- SOLENOID VALVE
- PRESSURE REDUCING VALVE / PRESSURE REGULATOR

FUEL UTILITIES

- FUEL OIL SUPPLY
- FUEL OIL RETURN
- LIQUID PETROLEUM
- NATURAL GAS

AUTOMOTIVE

- AUTOMOTIVE COMPRESSED AIR
- TRANSMISSION FLUID
- COOLANT
- LUBE OIL
- COMPRESSED AIR OUTLET
- LUBE OIL OUTLET

A	AMPS	CO	CLEANOUT, CARBON MONOXIDE	GCO	GRADE CLEANOUT	MD	MOTORIZED DAMPER	SF	SQUARE FEET
A/C	AIR CONDITIONING	CO2	CARBON DIOXIDE	GFI/GFCI	GROUND FAULT CIRCUIT INTERRUPTER	MOCP	MAXIMUM OVERCURRENT CIRCUIT PROTECTION	SP	STATIC PRESSURE
AD	ACCESS DOOR	CU	COPPER, CONDENSING UNIT	GND	GROUND	MFR	MANUFACTURER	SWBD	SWITCHBOARD
AFC	ABOVE FINISH CEILING	CW	DOMESTIC COLD WATER	GPM	GALLONS PER MINUTE	MLO	MAIN LUGS ONLY	TOD	TOP OF DUCT
AFG	ABOVE FINISH GRADE	DDC	DIRECT DIGITAL CONTROL	HOA	HAND OFF AUTOMATIC	MU	MAKE UP	TOP	TOP OF PIPE
AFF	ABOVE FINISHED FLOOR	DN	DOWN	HW	DOMESTIC HOT WATER	N/A	NOT APPLICABLE	TSTAT	THERMOSTAT
BD	BACKDRAFT DAMPER	DX	DIRECT EXPANSION	IE	INVERT ELEVATION	N/C	NORMALLY CLOSED	UNO	UNLESS NOTED OTHERWISE
BFF	BELOW FINISHED FLOOR	EA	EXHAUST AIR	IG	ISOLATED GROUND	N/O	NORMALLY OPEN	UPS	UNINTERRUPTIBLE POWER SUPPLY
BFG	BELOW FINISHED GRADE	EAT	ENTERING AIR TEMPERATURE	KV	KILOVOLT	NF	NON-FUSED DEVICE	VAV	VARIABLE AIR VOLUME
BFP	BACKFLOW PREVENTER	EC	ELECTRICAL CONTRACTOR	KVA	KILOVOLT AMPS	NIC	NOT IN CONTRACT	VD	MANUAL VOLUME DAMPER
BKR	BREAKER	EPO	EMERGENCY POWER OFF	KW	KILOWATT	NL	NIGHT LIGHT	VTR	VENT THROUGH ROOF
BOD	BOTTOM OF DUCT	ETR	EXISTING TO REMAIN	KWH	KILOWATT HOUR	OA	OUTSIDE AIR	W	WATT(S)
BOP	BOTTOM OF PIPE	EWB	ENTERING WET BULB	LAT	LEAVING AIR TEMPERATURE	PH	PHASE	W/	WITH
BOS	BOTTOM OF STRUCTURE	EXH	EXHAUST	LDB	LEAVING DRY BULB	PRV	PRESSURE REDUCING VALVE	W/O	WITHOUT
BTU	BRITISH THERMAL UNIT	F/S	COMBINATION FIRE AND SMOKE DAMPER	LRA	LOCKED ROTOR AMPS	QTY	QUANTITY	WB	WET BULB
C	CONDUIT	FACP	FIRE ALARM CONTROL PANEL	LV	LOW VOLTAGE	RA	RETURN AIR	WCO	WALL CLEANOUT
CA	COMPRESSED AIR	FAACP	FIRE ALARM ANNUNCIATOR CONTROL PANEL	LWB	LEAVING WET BULB	REV	REVISION	WP	WEATHERPROOF
CATV	CABLE TELEVISION SYSTEM	FCO	FLOOR CLEANOUT	LWT	LEAVING WATER TEMPERATURE	RH	RELATIVE HUMIDITY	XFMR	TRANSFORMER
CB	CIRCUIT BREAKER	F/D	FIRE DAMPER	MBH	1000 BTU PER HOUR	RLA	RELIEF AIR, RUNNING LOAD AMPS	XP	EXPLOSION PROOF
CCTV	CLOSED CIRCUIT TELEVISION	FLA	FULL LOAD AMPS	MC	MECHANICAL CONTRACTOR	RPM	REVOLUTIONS PER MINUTE		
CFM	CUBIC FEET PER MINUTE	FL	FLOW LINE	MCA	MINIMUM CIRCUIT AMPACITY	SA	SUPPLY AIR		
CKT	CIRCUIT	G	GROUND	MCC	MOTOR CONTROL CENTER	SD	SMOKE DAMPER		

- SUPPLY / OUTSIDE AIR UP
- SUPPLY / OUTSIDE AIR DN
- RETURN UP
- RETURN DN
- EXHAUST / RELIEF AIR UP
- EXHAUST / RELIEF AIR DN
- INSULATED FLEX DUCT
- SUPPLY AIR FLOW INDICATOR
- RETURN / EXHAUST AIR FLOW INDICATOR
- TURNING VANES
- DUCT SIZES INDICATED ON DRAWINGS ARE SHEET METAL DIMENSIONS
- 12"x12"
- BRANCH DUCT WITH 45° TAP
- BOTTOM OR TOP TRANSITION
- CENTER TRANSITION
- SIDE TRANSITION
- SQUARE TO ROUND TRANSITION
- RISE OR DROP IN DUCTWORK - ARROW IN DIRECTION OF AIRFLOW
- MANUAL VOLUME DAMPER
- FD=FIRE DAMPER FS=FIRE/SMOKE SD=SMOKE DAMPER MD=MOTORIZED DAMPER
- FD/FS/SD/MD

- SUPPLY DIFFUSER
- RETURN GRILLE
- EXHAUST GRILLE
- LINEAR SLOT DIFFUSER
- SIDEWALL SUPPLY DIFFUSER OR RETURN GRILLE
- HIGH EFFICIENCY TAKE-OFF WITH MANUAL DAMPER
- DUCT SIZE EQUAL TO THROAT OF DIFFUSER
- INSULATED FLEX DUCT, MAX 5' LENGTH
- 24 = SIZE OF DIFFUSER
- 08 = SIZE OF THROAT
- 408 SD-1 200 CFM
- 48 = LENGTH OF DIFFUSER
- 08 = SIZE OF PLENUM CONNECTION
- 4808 SD-1 200 CFM

MECHANICAL AND ELECTRICAL SYMBOLS AND ABBREVIATIONS

"SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED. REFER TO FLOOR PLANS FOR ALL SYMBOLS AND ABBREVIATIONS."

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project number 2522700

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REVISION DATES:

STATE OF MISSOURI
CHRISTOPHER EDWARD ALBRIGHT
NUMBER 2006033950
REGISTERED PROFESSIONAL ENGINEER
12/22/25

PROFESSIONAL SEAL

MEP-100

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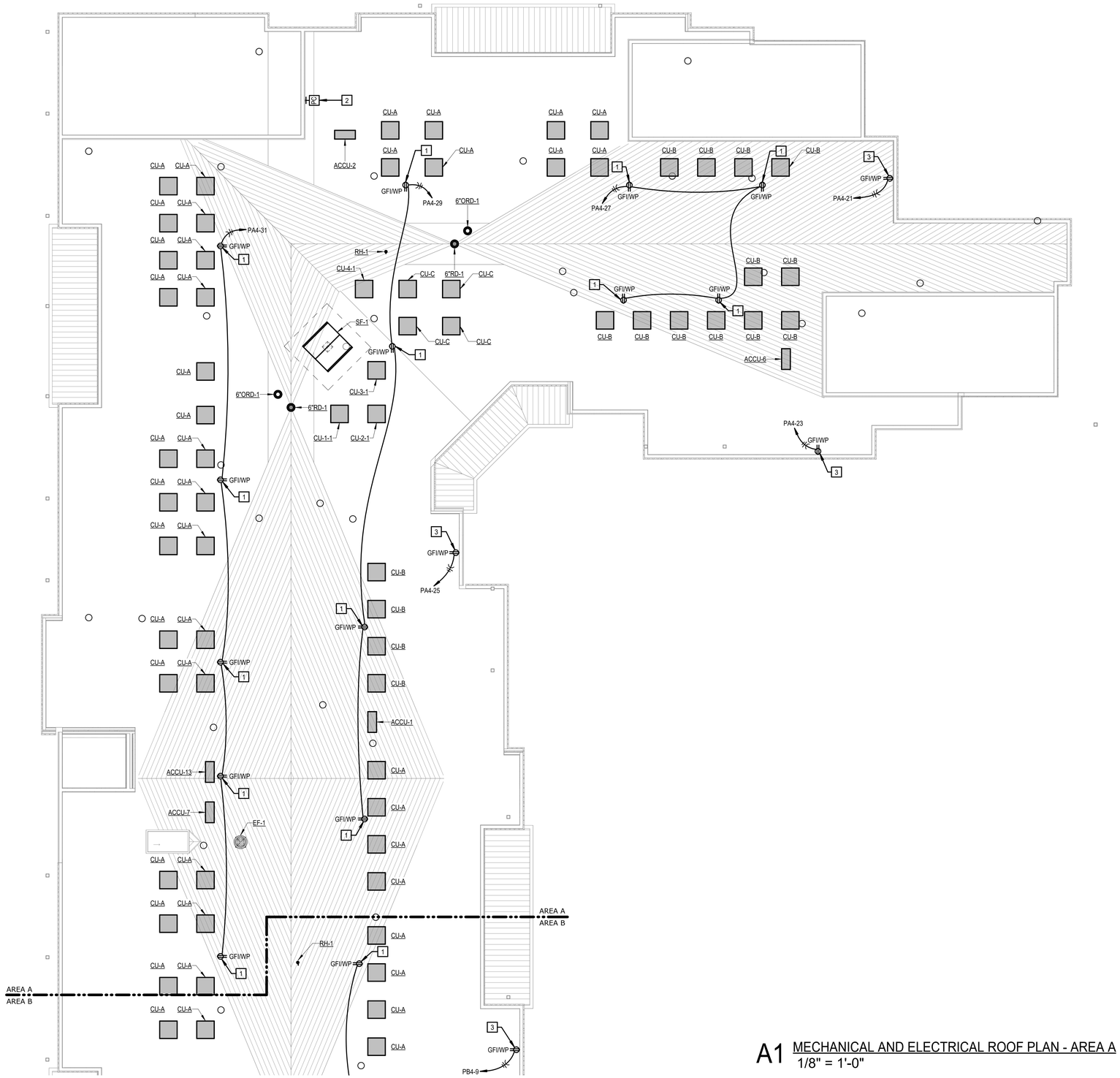
HOEFER WELKER #: 1259011

MECHANICAL AND ELECTRICAL SYMBOLS AND ABBREVIATIONS



GENERAL NOTES:

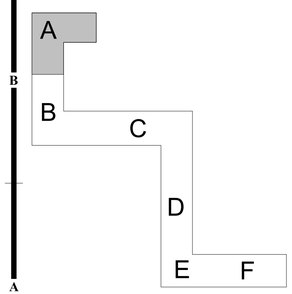
1. REFER TO SHEETS E-111A AND E-211A FOR TYPICAL GENERAL NOTES.

ELECTRICAL PLAN NOTES:

1. FURNISH AND INSTALL RECEPTACLE ON FIELD FABRICATED UNISTRUT RACKS WHICH ALSO SUPPORT NEARBY CONDENSING UNIT DISCONNECT SWITCHES.
2. EXTERIOR PHOTOCELL FOR CONTROL OF ALL RELAY CABINET LIGHTING. EXTEND CABLING TO RELAY CABINET NETWORK AS REQUIRED. MOUNT PHOTOCELL ON PARAPET WALL FACING NORTH. MOUNT 24" ABOVE FINISHED LEVEL ROOF SURFACE.
3. RECEPTACLE FOR FUTURE HOLIDAY LIGHTING USE. MOUNT RECEPTACLE ON PARAPET WALL.

A1 MECHANICAL AND ELECTRICAL ROOF PLAN - AREA A
1/8" = 1'-0"

KEY PLAN



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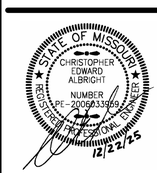

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MEP-115A

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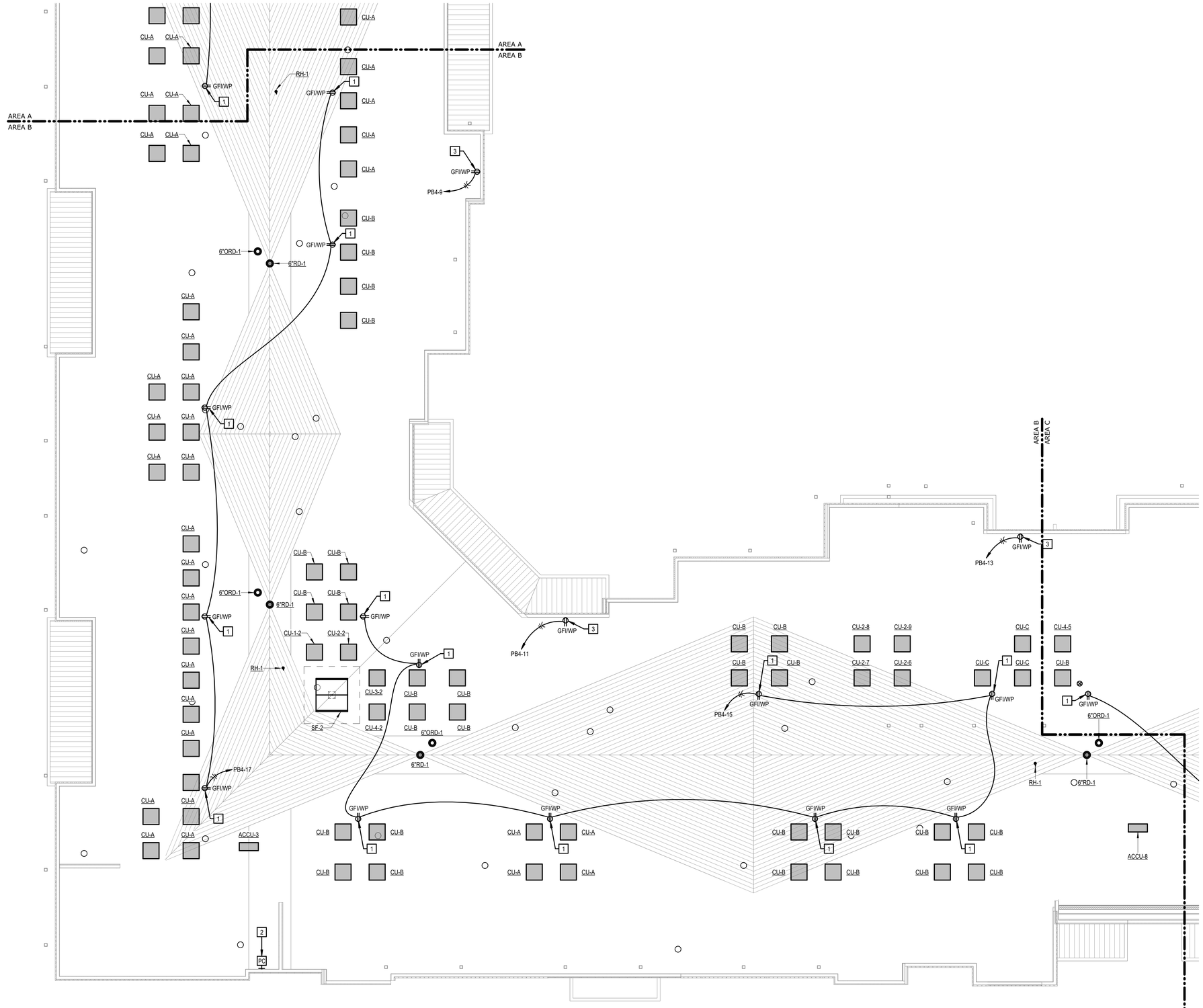
MECHANICAL AND ELECTRICAL ROOF PLAN - AREA A



A1 MECHANICAL AND ELECTRICAL ROOF PLAN - AREA B
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEETS E-111A AND E-211A FOR TYPICAL GENERAL NOTES.

ELECTRICAL PLAN NOTES:

1. FURNISH AND INSTALL RECEPTACLE ON FIELD FABRICATED UNISTRUT RACKS WHICH ALSO SUPPORT NEARBY CONDENSING UNIT DISCONNECT SWITCHES.
2. EXTERIOR PHOTOCELL FOR CONTROL OF ALL RELAY CABINET LIGHTING. EXTEND CABLING TO RELAY CABINET NETWORK AS REQUIRED. MOUNT PHOTOCELL ON PARAPET WALL FACING NORTH. MOUNT 24" ABOVE FINISHED LEVEL ROOF SURFACE.
3. RECEPTACLE FOR FUTURE HOLIDAY LIGHTING USE. MOUNT RECEPTACLE ON PARAPET WALL.

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project number 2522700

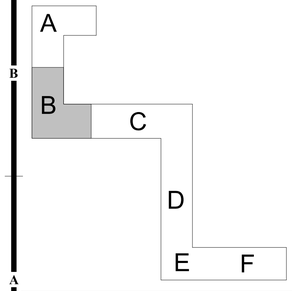
PERMIT SET

OLDHAM APARTMENT

1100 SW JEFFERSON ST
LEE'S SUMMIT, MO 64081

REVISION DATES:

KEY PLAN



STATE OF MISSOURI
CHRISTOPHER EDWARD ALBRIGHT
NUMBER PE-2006033959
REGISTERED PROFESSIONAL ENGINEER
12/22/25

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MEP-115B

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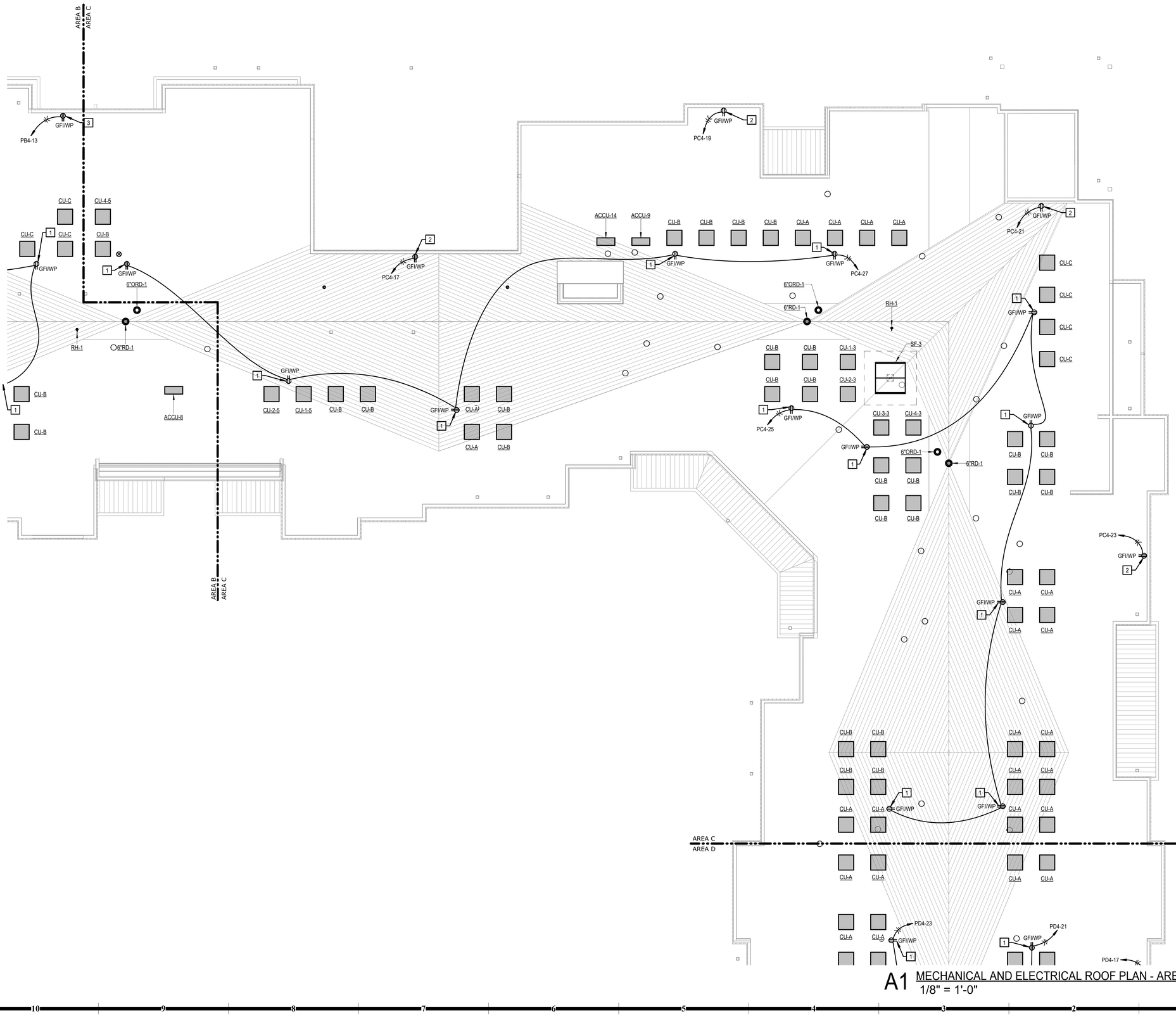
MECHANICAL AND ELECTRICAL ROOF PLAN - AREA B



A1 MECHANICAL AND ELECTRICAL ROOF PLAN - AREA C
1/8" = 1'-0"

GENERAL NOTES:

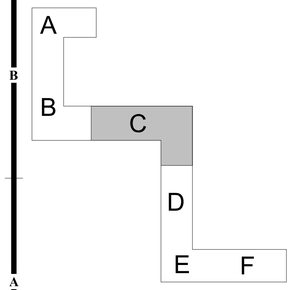
1. REFER TO SHEETS E-111A AND E-211A FOR TYPICAL GENERAL NOTES.

ELECTRICAL PLAN NOTES:

1 FURNISH AND INSTALL RECEPTACLE ON FIELD FABRICATED UNISTRUT RACKS WHICH ALSO SUPPORT NEARBY CONDENSING UNIT DISCONNECT SWITCHES.

2 RECEPTACLE FOR FUTURE HOLIDAY LIGHTING USE. MOUNT RECEPTACLE ON PARAPET WALL.

KEY PLAN



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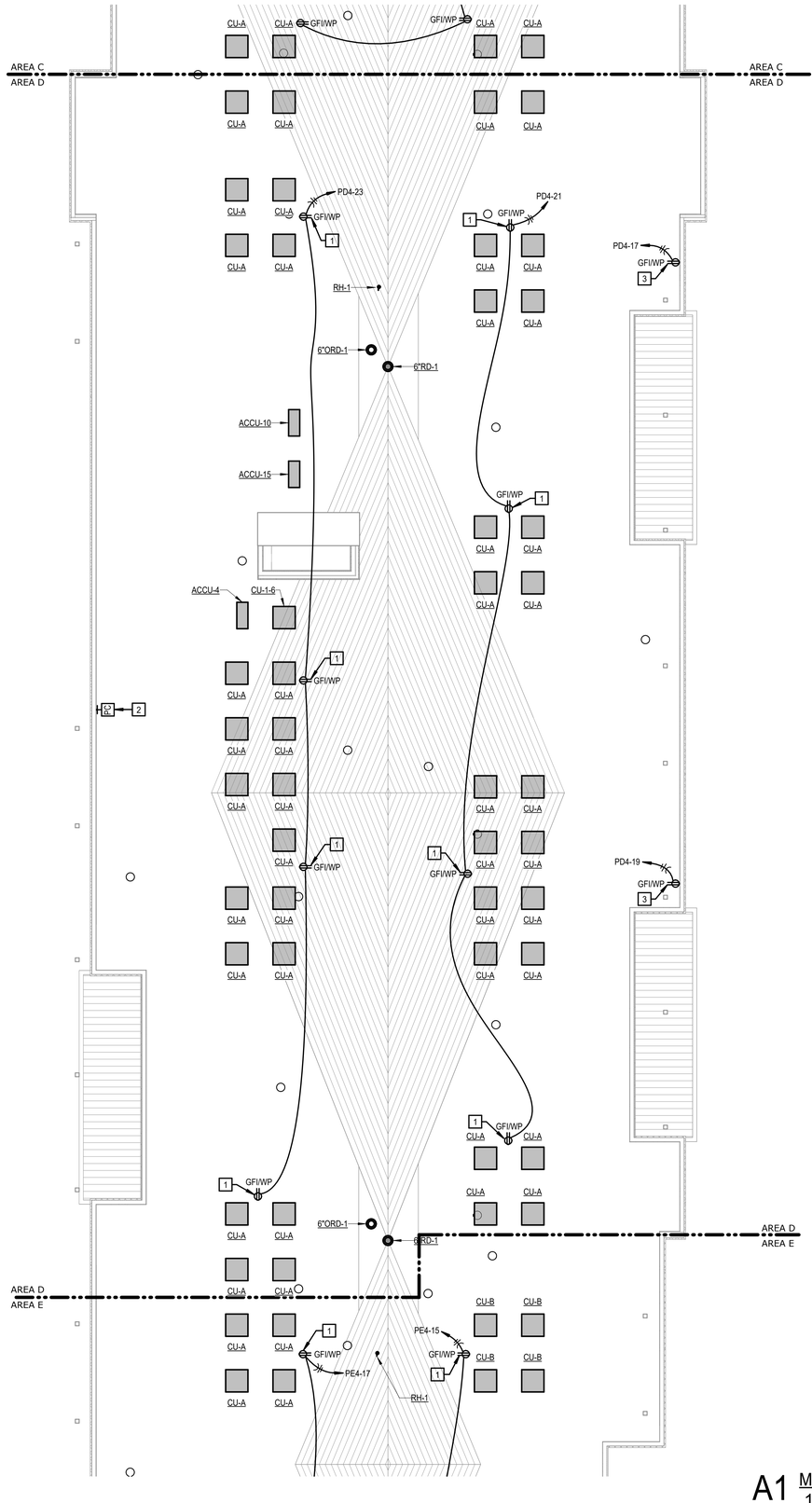
MECHANICAL AND ELECTRICAL ROOF PLAN - AREA C



A1 MECHANICAL AND ELECTRICAL ROOF PLAN - AREA D

1/8" = 1'-0"

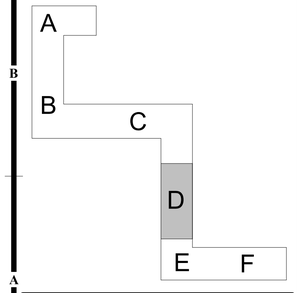
GENERAL NOTES:

1. REFER TO SHEETS E-111A AND E-211A FOR TYPICAL GENERAL NOTES.

ELECTRICAL PLAN NOTES:

1. FURNISH AND INSTALL RECEPTACLE ON FIELD FABRICATED UNISTRUT RACKS WHICH ALSO SUPPORT NEARBY CONDENSING UNIT DISCONNECT SWITCHES.
2. EXTERIOR PHOTOCELL FOR CONTROL OF ALL RELAY CABINET LIGHTING. EXTEND CABLING TO RELAY CABINET NETWORK AS REQUIRED. MOUNT PHOTOCELL ON PARAPET WALL FACING NORTH. MOUNT 24" ABOVE FINISHED LEVEL ROOF SURFACE.
3. RECEPTACLE FOR FUTURE HOLIDAY LIGHTING USE. MOUNT RECEPTACLE ON PARAPET WALL.

KEY PLAN



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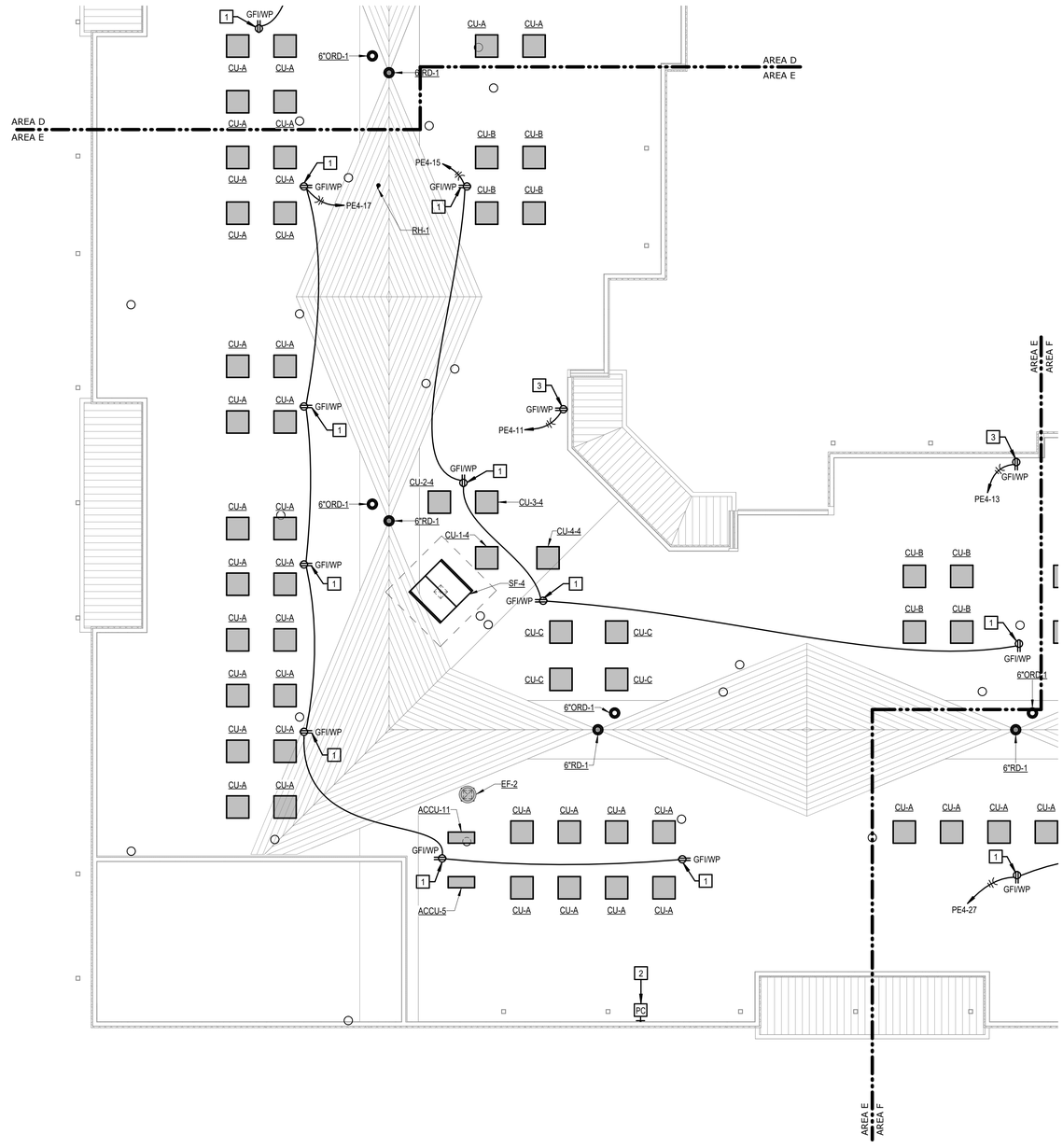
MECHANICAL AND ELECTRICAL ROOF PLAN - AREA D



GENERAL NOTES:

1. REFER TO SHEETS E-111A AND E-211A FOR TYPICAL GENERAL NOTES.

ELECTRICAL PLAN NOTES:

1. FURNISH AND INSTALL RECEPTACLE ON FIELD FABRICATED UNISTRUT RACKS WHICH ALSO SUPPORT NEARBY CONDENSING UNIT DISCONNECT SWITCHES.
2. EXTERIOR PHOTOCELL FOR CONTROL OF ALL RELAY CABINET LIGHTING. EXTEND CABLING TO RELAY CABINET NETWORK AS REQUIRED. MOUNT PHOTOCELL ON PARAPET WALL FACING NORTH. MOUNT 24" ABOVE FINISHED LEVEL ROOF SURFACE.
3. RECEPTACLE FOR FUTURE HOLIDAY LIGHTING USE. MOUNT RECEPTACLE ON PARAPET WALL.

A1 MECHANICAL AND ELECTRICAL ROOF PLAN - AREA E
1/8" = 1'-0"

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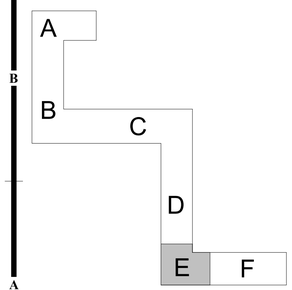
KEY PLAN



MEP-115E

ISSUE DATE: DECEMBER 22, 2025

HOEFER WELKER #: 1259011

MECHANICAL AND ELECTRICAL ROOF PLAN - AREA E

AREA D
AREA E

AREA E
AREA F

3
GFI/WP
PE4-13

2
GFI/WP
PE4-19

2
PE4-21
GFI/WP

CU-B CU-B CU-A CU-A
CU-B CU-B CU-A CU-A

CU-A CU-A CU-A CU-A
CU-A CU-A CU-A CU-A

CU-A CU-A CU-A CU-A
CU-A CU-A CU-A CU-A

CU-B CU-B
CU-B CU-B

1
GFI/WP

1
GFI/WP

CU-C
CU-C

6"ORD-1
6"RD-1

6"ORD-1
6"RD-1

RH-1

PE4-25
GFI/WP
1

GFI/WP
1

6"ORD-1
6"RD-1

CU-B CU-B CU-B CU-B
GFI/WP
1
CU-B CU-B CU-B

PE4-23
GFI/WP
2

CU-A CU-A CU-A
GFI/WP
1
CU-A CU-A CU-A

CU-A CU-A CU-A CU-A CU-A CU-A
1
GFI/WP
PE4-27
1
GFI/WP
CU-A CU-A CU-A CU-A
1
GFI/WP
CU-A CU-A CU-A CU-A

CU-A CU-A CU-A CU-A CU-A CU-A CU-A CU-A
1
GFI/WP
1
GFI/WP
CU-A CU-A CU-A CU-A

ACCU-12
CU-B

2
PC

AREA E
AREA F

GENERAL NOTES:

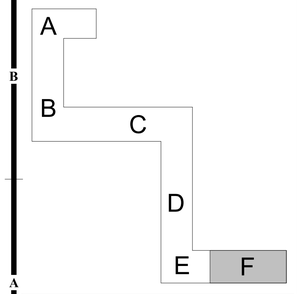
1. REFER TO SHEETS E-111A AND E-211A FOR TYPICAL GENERAL NOTES.

ELECTRICAL PLAN NOTES:

1 FURNISH AND INSTALL RECEPTACLE ON FIELD FABRICATED UNISTRUT RACKS WHICH ALSO SUPPORT NEARBY CONDENSING UNIT DISCONNECT SWITCHES.

2 RECEPTACLE FOR FUTURE HOLIDAY LIGHTING USE. MOUNT RECEPTACLE ON PARAPET WALL.

KEY PLAN



A1 MECHANICAL AND ELECTRICAL ROOF PLAN - AREA F
1/8" = 1'-0"

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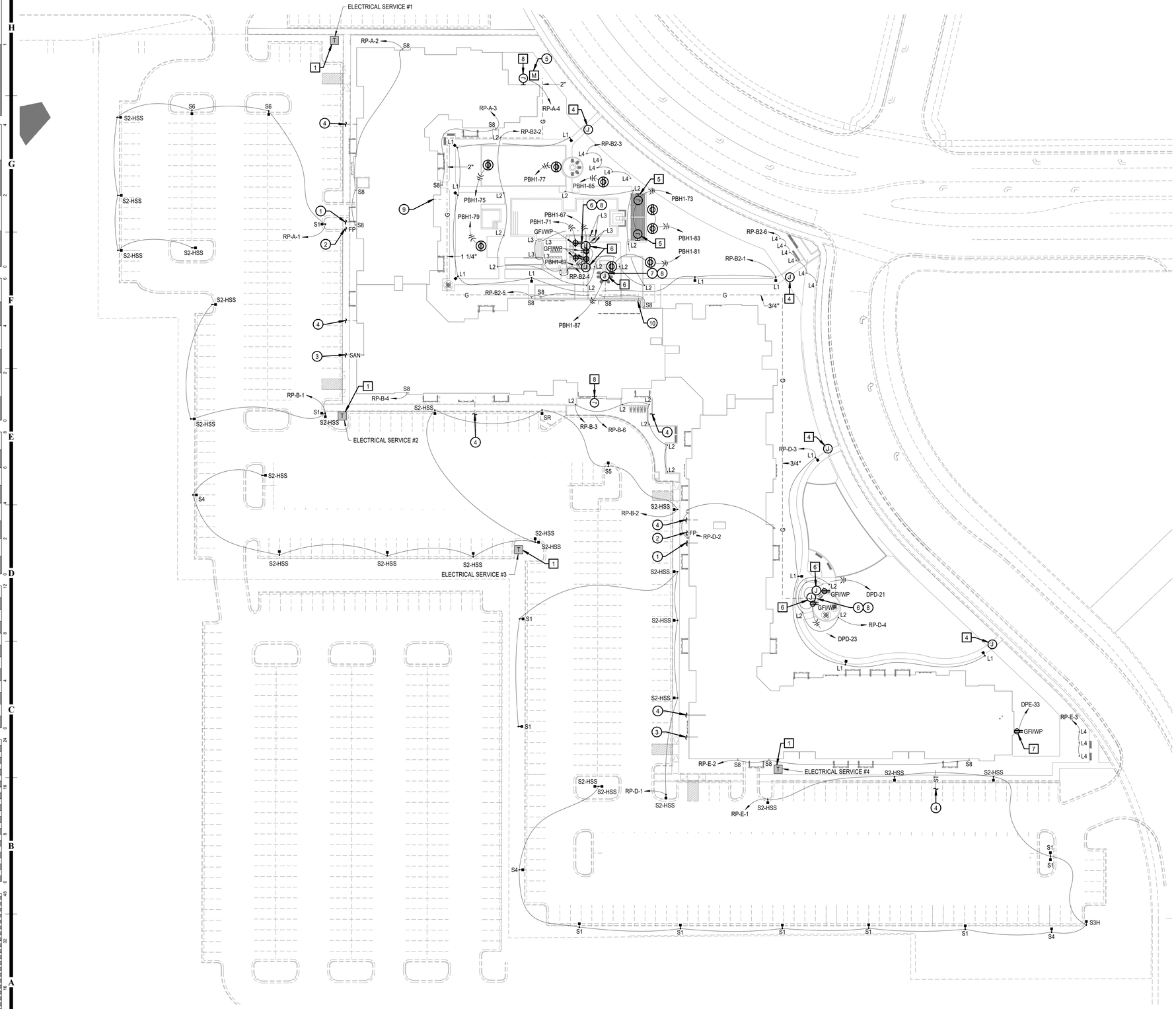
MECHANICAL AND ELECTRICAL ROOF PLAN - AREA F



A1 MECHANICAL AND ELECTRICAL SITE PLAN
1" = 40'-0"

GENERAL NOTES:

1. UNLESS NOTED OTHERWISE ALL CONDUIT AND CONDUCTORS FOR SITE LIGHTING SHALL BE (2)# 8, #8G, IN 1" CONDUIT. IN ADDITION, 0-10V CABLING MUST BE ROUTED TO EACH EXTERIOR LIGHT FIXTURE. THIS CAN EITHER BE DONE IN A SEPARATE 1" LOW VOLTAGE CONDUIT TO EACH LOCATION, OR THE 0-10V CABLING CAN BE ROUTED IN THE SAME CONDUIT AS THE LINE VOLTAGE CONDUCTORS PROVIDED THAT THE TWO PAIR LOW VOLTAGE WIRES ARE SHIELDED AND THE INSTALLATION MEETS ALL INSTALLATION REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE. ALSO, CONTRACTOR TO EVALUATE THE MILLIAMPS OF CONTROL CURRENT NEEDED FOR THE SUBMITTED FIXTURES WITH THEIR VENDOR DUE TO THE EXTREME LOW VOLTAGE CABLING RUN LENGTHS AND INCREASE THE CONDUCTOR SIZES OF THE 0-10V CABLING AS REQUIRED.
2. REFER TO SHEETS E101 AND E201 FOR TYPICAL LIGHTING AND POWER GENERAL NOTES APPLICABLE TO ENTIRE PROJECT.

ELECTRICAL PLAN NOTES:

1. NEW UTILITY COMPANY PAD MOUNT TRANSFORMER. COORDINATE EXACT LOCATION WITH CIVIL DRAWINGS AND UTILITY. PROVIDE CONCRETE PAD AND GROUNDING PER LOCAL UTILITY STANDARDS.
2. BUILDING GENERATOR LOCATION. MAINTAIN 10'-0" CLEAR BETWEEN TRANSFORMER PAD AND GENERATOR PAD. REFER TO DRAWING E511 FOR ADDITIONAL INFORMATION.
3. SECONDARY SERVICE CONDUITS TO MAIN ELECTRIC SERVICE EQUIPMENT. REFER TO ELECTRICAL RISER DIAGRAMS FOR ADDITIONAL INFORMATION.
4. ELECTRICAL CONNECTION TO EXTERIOR GATE ACCESS CONTROL. ROUTE (1) 1" CONDUIT TO GATE FROM CLOSEST BUILDING LOCATION. COORDINATE EXACT REQUIREMENTS WITH ACCESS CONTROL VENDOR.
5. ELECTRICAL CONNECTION TO PERGOLA LIGHT KIT. COORDINATE LOCATION WITH LANDSCAPE DRAWINGS AND MANUFACTURER REQUIREMENTS.
6. ELECTRICAL CONNECTION TO NATURAL GAS GRILL/FIREPLACE/FIRE PIT FOR ELECTRIC IGNITION AND SOLENOID VALVE.
7. ELECTRICAL CONNECTION TO IRRIGATION CONTROLLER.
8. ELECTRICAL CONNECTION TO BUILDING SIGNAGE. COORDINATE EXACT LOCATION WITH EXTERIOR ELEVATIONS AND REQUIREMENTS WITH SIGNAGE VENDOR.

MECHANICAL PLAN NOTES:

1. 3" DOMESTIC WATER SERVICE ENTRANCE. REFER TO CIVIL DRAWINGS FOR CONTINUATION. COORDINATE EXACT LOCATION AND DEPTH WITH SITE UTILITIES CONTRACTOR PRIOR TO INSTALLATION.
2. 6" FIRE PROTECTION SERVICE ENTRANCE. REFER TO CIVIL DRAWINGS FOR CONTINUATION. COORDINATE EXACT LOCATION AND DEPTH WITH SITE UTILITIES CONTRACTOR PRIOR TO INSTALLATION.
3. 8" SANITARY SEWER SERVICE. REFER TO CIVIL DRAWINGS FOR CONTINUATION. COORDINATE EXACT LOCATION AND DEPTH WITH SITE UTILITIES CONTRACTOR PRIOR TO INSTALLATION.
4. 8" STORM SEWER. REFER TO CIVIL DRAWINGS FOR CONTINUATION. COORDINATE EXACT LOCATION AND DEPTH WITH SITE UTILITIES CONTRACTOR PRIOR TO INSTALLATION.
5. COORDINATE NATURAL GAS METER LOCATION WITH CIVIL, LANDSCAPE, AND UTILITY COMPANY. TOTAL GAS LOAD IS APPROXIMATELY 2150 MBH AND THE TOTAL DEVELOPED LENGTH IS 900'-0" AT 2 PSI. COORDINATE REQUIREMENTS WITH THE UTILITY COMPANY. COORDINATE EXACT LOCATION AND DEPTH WITH SITE UTILITIES CONTRACTOR PRIOR TO INSTALLATION.
6. 1/2" GAS TO SERVE GRILLS. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MANUFACTURER. PROVIDE SHUT-OFF VALVE IN ACCESSIBLE LOCATION.
7. 3/4" GAS TO SERVE FIRE TABLE. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENT WITH MANUFACTURER. PROVIDE SHUT-OFF VALVE IN ACCESSIBLE LOCATION.
8. PROVIDE VENTLESS GAS PRESSURE REGULATOR. INLET PRESSURE IS 2 PSI AND OUTLET PRESSURE IS 10" WC.
9. PROVIDE 2" GAS TO SERVE POOL EQUIPMENT. COORDINATE WITH POOL EQUIPMENT DRAWINGS.
10. PROVIDE 3/4" GAS TO SERVE FIRE PIT AT PATIO.

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HOEFER WELKER #: 1259011

MECHANICAL AND ELECTRICAL SITE PLAN

PLUMBING PUMP SCHEDULE

DESIGNATION		BP-1	BP-2
UNIT DATA	LOCATION	WATER ENTRY	WATER ENTRY
	MANUFACTURER	QUANTUMFLO	QUANTUMFLO
	MODEL NO.	PRODIGY	PRODIGY
	PUMP MODEL NO.	QES	QES
	SERVICE	DOMESTIC BOOSTER	DOMESTIC BOOSTER
	PUMP TYPE	END SUCTION	END SUCTION
	NO. OF PUMPS	3	3
	GPM (PER PUMP)	45	45
	GPM (TOTAL)	90	90
	PUMP HEAD (FT.)		
	MOTOR HORSEPOWER	3	3
	MOTOR RPM		
ELEC./CONTROL DATA	VOLTAGE/PHASE	208/3	208/3
	PANEL FLA	26.7	26.7
	PANEL & CIRCUIT	DPA-31,33,35	DPD-37,39,41
	WIRE & CONDUIT	(3)#8,#10G, 3/4"C	(3)#8,#10G, 3/4"C
	OVERCURRENT DEVICE	60A-3P	60A-3P
	DISCONNECT	60A-3P FUSED	60A-3P FUSED
	STARTER	INTEGRAL	INTEGRAL
	COMBINATION STARTER	VFD	VFD
	CONTROL	NOTE 1	NOTE 1
REFERENCE DRAWING/DETAIL		P-111A	P-121
REMARKS		NOTE 1	NOTE 1

NOTES:
1: SET DISCHARGE PRESSURE AT 70 PSI.

SUMP PUMP SCHEDULE

DESIGNATION		SP-1	SP-2	SP-3
UNIT DATA	MANUFACTURER	WEIL	WEIL	WEIL
	LOCATION	ELEVATOR PIT A	ELEVATOR PIT B	ELEVATOR PIT C
	MODEL NO.	1411	1411	1411
	SERVICE	ELEVATOR SUMP	ELEVATOR SUMP	ELEVATOR SUMP
	PUMP TYPE	SUBMERSIBLE	SUBMERSIBLE	SUBMERSIBLE
	GPM	50	50	50
	PUMP HEAD (FT.)	20	20	20
	MOTOR HORSEPOWER	1/2	1/2	1/2
	MOTOR RPM	1750	1750	1750
	VOLTAGE/PHASE	120/1	120/1	120/1
ELECTRICAL DATA	PANEL & CIRCUIT	DPA-18	DPD-32	DPD-34
	WIRE & CONDUIT	(2)#12, #12G, 1/2" C	(2)#12, #12G, 1/2" C	(2)#12, #12G, 1/2" C
	OVERCURRENT DEVICE	20A/1P CB	20A/1P CB	20A/1P CB
	DISCONNECT	DED RECEPTACLE	DED RECEPTACLE	DED RECEPTACLE
	CONTROL	SEE DETAIL	SEE DETAIL	SEE DETAIL
REFERENCE DRAWING/DETAIL		P-111A	P-121	P-124
REMARKS		NOTE 1, 2	NOTE 1, 2	NOTE 1, 2

NOTES:
1: HEAVY DUTY SUBMERSIBLE PUMP, CAST IRON IMPELLAR, STAINLESS STEEL SHAFT, PERMANANTLY GREASE LUBRICATED BALL BEARINGS.
2. PROVIDE WITH PERFORATED OR GRATED STEEL COVER.

PLUMBING FIXTURE SCHEDULE

MARK	MANUFACTURER/ MODEL	DESCRIPTION	FITTINGS		NOTE	PIPING CONNECTIONS			
			MANUFACTURER/ MODEL	DESCRIPTION		CW	HW	SAN	VENT
WC-1	PROFLO PF1403T / PF5112HE	ADA COMPLIANT WATER CLOSET: WHITE VITREOUS CHINA, ELONGATED BOWL, FLOOR MOUNT, TANK TYPE, 1.28 GPF.	PROFLO PFTSWEC2000	ELONGATED SEAT: SOLID PLASTIC, CLOSED FRONT, WITH COVER.	2,4	1/2"	—	4"	2"
WC-2	PROFLO PF1403TWH	ADA COMPLIANT WATER CLOSET: WHITE VITREOUS CHINA, ELONGATED BOWL, FLOOR MOUNT, TANK TYPE, 1.28 GPF.	CENTOCO 1600	SEAT: SOLID PLASTIC, OPEN FRONT.	2	1/2"	—	4"	2"
L-1	NOTE 5	ADA COMPLIANT LAVATORY: WHITE VITREOUS CHINA, UNDERMOUNT FRONT OVERFLOW.	NOTE 5	ADA COMPLIANT LAVATORY FAUCET: 8" CENTERS, POP UP DRAIN, TWO BLADE HANDLES , POLISHED CHROME FINISH, 1.0 GPM.	1,2,3,4	1/2"	1/2"	1-1/2"	1-1/2"
CLS-1	NOTE 5	ADA COMPLIANT LAVATORY: WHITE VITREOUS CHINA, UNDERMOUNT	NOTE 5	ADA COMPLIANT LAVATORY FAUCET: SINGLE HOLE, POP UP DRAIN, SINGLE LEVER HANDLE, POLISHED CHROME FINISH, .5 GPM MAX. PROVIDE POINT-OF-USE THERMOSTATIC MIXING VALVE.	1,2,3,4	1/2"	1/2"	1-1/2"	1-1/2"
SH-1	NOTE 5	SHOWER PAN: HIGH GLOSS FINISH, MOLDED FIBERGLASS, SINGLE THRESHOLD, WALLS BY OTHERS (TILE), INTEGRAL CENTER DRAIN.	NOTE 5	VALVE TRIM: PRESSURE BALANCED SINGLE HANDLE MIXING VALVE, LEVER HANDLE, ADA COMPLIANT, ANTI-SCALD PROTECTION, ROUGH-IN VALVE SHOWER HEAD: WALL-MOUNT, 1.75 GPM MAX	4	1/2"	1/2"	2"	1-1/2"
SH-2	NOTE 5	SHOWER PAN: HIGH GLOSS FINISH, MOLDED FIBERGLASS, SINGLE THRESHOLD, WALLS BY OTHERS (TILE), INTEGRAL CENTER DRAIN.	NOTE 5	VALVE TRIM: PRESSURE BALANCED SINGLE HANDLE MIXING VALVE, LEVER HANDLE, ADA COMPLIANT, ANTI-SCALD PROTECTION, ROUGH-IN VALVE SHOWER HEAD: WALL-MOUNT, 1.75 GPM MAX STAINLESS STEEL SLIDE BAR KIT HANDHELD SHOWER HANDLE	4	1/2"	1/2"	2"	1-1/2"
B-1	NOTE 5	SHOWER/BATHTUB: HIGH GLOSS FINISH, MOLDED FIBERGLASS, INTEGRAL OVERFLOW AND DRAIN, ALCOVE INSTALLATION, WALLS BY OTHERS.	NOTE 5	BATH FILLER VALVE TRIM: PRESSURE BALANCED SINGLE HANDLE MIXING VALVE, LEVER HANDLE, ADA COMPLIANT, ANTI-SCALD PROTECTION, ROUGH-IN VALVE SHOWER HEAD: WALL-MOUNT, 1.75 GPM MAX	—	1/2"	1/2"	2"	1-1/2"
S-1	NOTE 5 INSINKERATOR	SINK: SINGLE BOWL, 18-GAUGE TYPE STAINLESS STEEL, UNDERMOUNT, FULLY UNDERCOATED, SATIN FINISH, 9" BOWL DEPTH 1/2 HP GARBAGE DISPOSAL	NOTE 5	FAUCET: SINGLE LEVER HANDLE, DECK MOUNTED, DUAL-FUNCTION PULL-DOWN SPOUT, POLISHED CHROME FINISH, 1.5 GPM MAX	1,2,3,4	1/2"	1/2"	2"	1-1/2"
S-2	NOTE 5 INSINKERATOR	SINK: SINGLE BOWL, 18-GAUGE TYPE STAINLESS STEEL, UNDERMOUNT, FULLY UNDERCOATED, SATIN FINISH, 9" BOWL DEPTH 1/2 HP GARBAGE DISPOSAL	NOTE 5	FAUCET: SINGLE LEVER HANDLE, DECK MOUNTED, DUAL-FUNCTION PULL-DOWN SPOUT, POLISHED CHROME FINISH, 1.5 GPM MAX	1,2,3,4	1/2"	1/2"	2"	1-1/2"
CS-1	NOTE 5 INSINKERATOR	SINK: SINGLE BOWL, 18-GAUGE TYPE STAINLESS STEEL, UNDERMOUNT, FULLY UNDERCOATED 1/2 HP GARBAGE DISPOSAL	NOTE 5	FAUCET: SINGLE LEVER HANDLE, DECK MOUNTED, DUAL-FUNCTION PULL-DOWN SPOUT, 1.8 GPM MAX	1,2,3,4	1/2"	1/2"	2"	1-1/2"
CS-2	NOTE 5 INSINKERATOR	SINK: SINGLE BOWL, 18-GAUGE TYPE STAINLESS STEEL, UNDERMOUNT, FULLY UNDERCOATED 1/2 HP GARBAGE DISPOSAL	NOTE 5	FAUCET: SINGLE LEVER HANDLE, DECK MOUNTED, DUAL-FUNCTION PULL-DOWN SPOUT, 1.8 GPM MAX	1,2,3,4	1/2"	1/2"	2"	1-1/2"
CS-3	NOTE 5 INSINKERATOR	SINK: SINGLE BOWL, 18-GAUGE STAINLESS STEEL, UNDERMOUNT, FULLY UNDERCOATED 1/2 HP GARBAGE DISPOSAL	NOTE 5	FAUCET: SINGLE LEVER HANDLE, DECK MOUNTED, DUAL-FUNCTION PULL-DOWN 1.8 GPM MAX	1,2,3,4	1/2"	1/2"	2"	1-1/2"
DWS-1	PETLIFT PL-BT-AQ48-RH	STAINLESS STEEL WALK-IN PET BATH WITH ROLL-OUT PORTABLE RAMP. 16 GAUGE 304 GRADE STAINLESS STEEL. 48"Wx57"Hx24.5"L OUTSIDE DIMENSIONS. 4" ON CENTER WATER PORT HOLES.	T&S 5PR-8W00-C	WALL MOUNTED MIXING FAUCET, QUARTER-TURN LEVER HANDLES, 44" FLEXIBLE STAINLESS STEEL HOSE. 1.15 GPM SPRAY VALVE.		1/2"	1/2"	1-1/2"	1-1/2"
EWC-1	ELKAY LZWS-LRBPM	ADA COMPLIANT, BARRIER FREE ELECTRIC WATER COOLER AND BOTTLE FILLER. FRONT AND SIDE PUSH BUTTONS, LEAD FREE, CAPABLE OF PROVIDING 8 GPH OF 50° WATER AT 90° AMBIENT.	—	—	—	1/2"	—	2"	1-1/2"
RH-1	WADE 8900-R	NON-FREEZE ROOF HYDRANT WITH GALVANIZED CASING, DRAINLESS, UNDER DECK FLANGE.	—	—	—	3/4"	—	—	—
HB-1	WADE 8607	MILD TEMPERATURE WALL HYDRANT WITH ANTI-SIPHON BACKFLOW PREVENTER	—	—	—	3/4"	—	—	—
WH-1	ZURN Z1320-CXL-BFP	NON-FREEZE WALL HYDRANT, ANTI-SIPHON BACKFLOW, FLUSH MOUNTED WALL BOX	—	—	—	3/4"	—	—	—
IMB-1	SIOUX CHIEF 696-G1010	ICE MAKER OUTLET BOX 1/2" QUARTER TURN STOPS, PVC.	—	—	—	1/2"	—	—	—
WMB-1	SIOUX CHIEF 696-G2313	WASHING MACHING BOX 1/2" QUARTER TURN STOPS, CENTER DRAIN, PVC.	—	—	—	1/2"	1/2"	2"	1-1/2"
WMB-2	SIOUX CHIEF 696RG2313	FIRE RATED WASHING MACHING BOX 1/2" QUARTER TURN STOPS, CENTER DRAIN, PVC.	—	—	—	1/2"	1/2"	2"	1-1/2"

NOTES:
1: PROVIDE CHROME PLATED BRASS TAILPIECE AND GRID DRAIN.
2: PROVIDE BRASS STOPS AND FLEXIBLE RISERS.
3: INSULTE EXPOSED TAILPIECE, P-TRAP- AND WATER RISERS. REFER TO SPECIFICATIONS FOR INSULATION METHODS.
4: PROVIDE ADA COMPLIANT PLUMBING FIXTURE FOR ACCESSIBLE APARTMENT.
5: REFER TO INTERIOR DESIGN DRAWINGS FOR MANUFACTURER AND MODEL NUMBER. COORDINATE WITH FIXTURE WITH ARCHITECT.

PIPE INSULATION SCHEDULE - PLUMBING

SERVICE	PIPE SIZE	INSULATION
DOMESTIC COLD WATER	1/2" - 2"	1/2" FIBERGLASS, ASJ
	2-1/2" AND LARGER	1" FIBERGLASS, ASJ
DOMESTIC HOT WATER	1/2" - 1-1/4"	1" FIBERGLASS, ASJ
RECIRCULATING HOT WATER	1-1/2" AND LARGER	1-1/2" FIBERGLASS, ASJ
WATER EXPOSED FIXTURE WASTETRAPS AND DOMESTIC HOT AND COLD AT HANDICAPPED ACCESSIBLE SINKS AND LAVATORIES	ALL	TRUBRO LAV AGUARD MOLDED PROTECTIVE PIPE COVER OVER 1/2" FIBERGLASS INSULATION

NOTES:
1: FOR ALL PIPING 2-1/2" AND LARGER, PROVIDE RIGID FOAM INSERTS AT ALL HANGERS AND SUPPORT LOCATIONS.
2: FOR ALL EXPOSED PIPING PROVIDE PAINTABLE PVC JACKET. (EXCLUDES MECHANICAL SPACES)
3: PEX PIPING REQUIRES INSULATION.

DOMESTIC WATER HEATER - ELECTRIC

DESIGNATION		DWH-A (TYP)	DWH-1	DWH-2	DWH-3
UNIT DATA	MANUFACTURER	STATE	AO SMITH	AO SMITH	AO SMITH
	MODEL	EN6 40 D0LBS	DEL-20S-4	DEL-20S-3.5	DEL-10S-3
	CAPACITY (GALLONS)	38	20	20	10
	RECOVERY	30 GPH @ 60°F	17 GPH @ 100°F	14 GPH @ 100°F	12 GPH @ 100°F
	FIRST HOUR RATING (GALLONS)	51	33	30	20
	OUTLET TEMP. (°F)	110	110	110	110
	NO. OF ELEMENTS	2	1	1	1
	TOTAL INPUT (KW)	4.5	4.0	3.5	3.0
	VOLTS/PHASE	208/1	208/1	208/1	208/1
ELEC./CONTROL	PANEL & CIRCUIT	RE: UNIT PLANS	PBH1-105,107	PBH1-109,111	PBH1-113,115
	WIRE & CONDUIT	(2)#10,#10G,NM CABLE	(2)#10,#10G, 3/4"C.	(2)#10,#10G, 3/4"C.	(2)#12, #12G., 1/2" C.
	OVERCURRENT DEVICE	30A/2P CB	30A/2P CB	30A/2P CB	20A/2P CB
	DISCONNECT	NOTE 1	30A/NF	30A/NF	30A/NF
REFERENCE DRAWING/DETAIL		UNIT PLANS	P-121	P-122	P-122
REMARKS		—	—	—	—

NOTES:
1: LOCKABLE CIRCUIT BREAKER IN APARTMENT UNIT PANEL SERVES AS THE LOCAL DISCONNECTING MEANS

DRAIN SCHEDULE

MARK	MANUFACTURER/ MODEL	DESCRIPTION
FD-1	ZURN Z415B	CAST IRON DRAIN WITH ADJUSTABLE TOP AND 6" NICKEL BRASS STRAINER WITH VANDAL RESISTANT SCREWS. PROVIDE WITH PROSET TRAP GUARD BY PROVENT SYSTEMS INC.
FS-1	WADE W-9150	12"x12"x10" CAST IRON FLOOR SINK WITH ACID RESISTANT COATED INTERIOR, DOME STRAINER, FULL GRATE.
RD-1	SIOUX CHIEF 868	PVC SCH. 40 ROOF DRAIN WITH ALUMINUM DOME STRAINER, ADJUSTABLE ROOF FLANGE, BOTTOM OUTLET.
ORD-1	SIOUX CHIEF 868	CAST IRON ROOF DRAIN WITH CAST IRON DOME STRAINER, INTERNAL STANDPIPE, ADJUSTABLE ROOF FLANGE, BOTTOM OUTLET.
DS-1	ZURN ZF199	STAINLESS STEEL DOWNSPOUT NOZZLE WITH HINGED GRATE AND FLANGE TO SECURE NOZZLE TO WALL.

NOTES:
1: REFER TO PLANS FOR OUTLET SIZES.

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project number 2522700

PERMIT SET

OLDHAM APARTMENT
1100 SW JEFFERSON ST
LEE'S SUMMIT, MO 64081

REVISION DATES:

STATE OF MISSOURI
CHRISTOPHER EDWARD ALBRIGHT
NUMBER PE-2006033929
REGISTERED PROFESSIONAL ENGINEER
12/22/25

PROFESSIONAL SEAL

MEP-300

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

MECHANICAL AND ELECTRICAL - SCHEDULES

PROJECT NAME: OLDHAM APARTMENT
AUTOCAD FILE LOCATION \ NAME: C:\SW\Smith & Boucher Inc\SANDBOX\365 - Documents\25\2522700 Oldham Village\Drawings\02-2522700_MEP-300 - MECHANICAL AND ELECTRICAL - SCHEDULES.dwg
LAST CORRECTION BY ◆ DATE ◆ TIME: Booty Monday, December 22, 2025 9:59:26 AM
PLOTTED BY ◆ DATE ◆ TIME: Booty Charles Monday, December 22, 2025 10:06:18 AM

AIR HANDLING UNIT SCHEDULE - DX/ELECTRIC HEAT (1 OF 2)

INDOOR UNIT																			
DESIGNATION		AHU-A (TYP)	AHU-B (TYP)	AHU-C (TYP)	AHU-1-1	AHU-1-2	AHU-1-3	AHU-1-4	AHU-1-5	AHU-1-6	AHU-2-1	AHU-2-2	AHU-2-3	AHU-2-4	AHU-2-5	AHU-2-6	AHU-2-7	AHU-2-8	AHU-2-9
AHU	**MANUFACTURER**	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN
	MODEL	AWSF18	AWSF24	AWSF30	ARUF25	ARUF25	ARUF25	ARUF25	ARUF61	ARUF25	ARUF25	ARUF25	ARUF25	ARUF25	ARUF61	ARUF61	ARUF61	ARUF61	ARUF61
	SPACE SERVED	APARTMENT	APARTMENT	APARTMENT	CORRIDOR	CORRIDOR	CORRIDOR	CORRIDOR	LOBBY AREA	MAIL/PET SPA	CORRIDOR	CORRIDOR	CORRIDOR	CORRIDOR	WORK/GOLF SIM	SPA	FITNESS STUDIO	FITNESS STUDIO	LOUNGE/GAME
	SUPPLY CFM	600	800	1000	800	800	800	800	2000	800	800	800	800	800	2000	800	2000	2000	2000
	OUTSIDE AIR CFM	---	---	---	200	200	200	200	250	200	200	200	200	200	250	200	250	250	250
	EXTERNAL STATIC PRES. (IN. W.G.)	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	MOTOR HORSEPOWER	1/3	1/3	1/2	1/3	1/3	1/3	1/3	3/4	1/3	1/3	1/3	1/3	1/3	3/4	1/3	3/4	3/4	3/4
COOLING	**ENT. AIR (DB/WB)**	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63
	LVG. AIR (DB/WB)	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57
	TOTAL COOLING CAP (MBH)	18.0	24.0	30.0	23.0	23.0	23.0	23.0	59.0	23.0	23.0	23.0	23.0	23.0	59.0	23.0	59.0	59.0	59.0
	SENSIBLE COOLING CAP (MBH)	13.30	17.80	22.20	17.00	17.00	17.00	17.00	43.50	17.00	17.00	17.00	17.00	17.00	43.50	17.00	43.50	43.50	43.50
HEATING	**ELECTRIC HEAT (KW)**	5.0	5.0	8.0	8.0	8.0	8.0	8.0	19.0	8.0	8.0	8.0	8.0	8.0	19.0	8.0	19.0	19.0	19.0
	STAGES OF HEAT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	HEATING CAPACITY (MBH)	17.0	17.0	27.2	20.5	20.5	20.5	20.5	42.5	20.5	20.5	20.5	20.5	20.5	42.5	20.5	42.5	42.5	42.5
FILTER	**FILTER TYPE**	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED
	MERV RATING	MERV 6	MERV 6	MERV 6	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8
	SIZE	14" X 18"	14" X 18"	18" X 20"	16" X 20"	16" X 20"	16" X 20"	16" X 20"	23" X 20"	16" X 20"	16" X 20"	16" X 20"	16" X 20"	16" X 20"	23" X 20"	16" X 20"	23" X 20"	23" X 20"	23" X 20"
ELEC. DATA	**VOLTAGE/PHASE**	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
	MCA	24.9	24.9	37.7	44	44	44	44	56	44	44	44	44	44	56	44	56	56	56
	M.O.C.P.	25	25	40	45	45	45	45	60	45	45	45	45	45	60	45	60	60	60
	PANEL AND CIRCUIT	RE:UNIT PLANS	RE:UNIT PLANS	RE:UNIT PLANS	DPA-24,26	DPB-42,44	PC2-14,16	DPE-34,36	DPB-13,15	PBH2-14,16	PA2-14,16	PB2-18,20	PC2-18,20	PE2-18,20	PBH1-86,88	PBH1-90,92	PBH1-94,96	PBH1-98,100	PBH1-102,104
	WIRE AND CONDUIT	(2)#10,#10G,NM CABLE	(2)#10,#10G,NM CABLE	(2)#8,#10G,NM CABLE	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#4,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#4,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#4,#10G,3/4"C.	(2)#4,#10G,3/4"C.	(2)#4,#10G,3/4"C.
	OVERCURRENT DEVICE	25A/2P CB	25A/2P CB	40A/2P CB	45A/2P CB	45A/2P CB	45A/2P CB	45A/2P CB	60A/2P CB	45A/2P CB	45A/2P CB	45A/2P CB	45A/2P CB	45A/2P CB	60A/2P CB	45A/2P CB	60A/2P CB	60A/2P CB	60A/2P CB
	DISCONNECT	NOTE 1	NOTE 1	NOTE 1	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF
OUTDOOR UNIT																			
DESIGNATION		CU-A (TYP)	CU-B (TYP)	CU-C (TYP)	CU-1-1	CU-1-2	CU-1-3	CU-1-4	CU-1-5	CU-1-6	CU-2-1	CU-2-2	CU-2-3	CU-2-4	CU-2-5	CU-2-6	CU-2-7	CU-2-8	CU-2-9
UNIT DATA	**MANUFACTURER**	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN
	MODEL NO.	GLZS4MA18	GLZS4MA24	GLZS4MA30	GLZS4BA24	GLZS4BA24	GLZS4BA24	GLZS4BA24	GLZS4BA60	GLZS4BA24	GLZS4BA24	GLZS4BA24	GLZS4BA24	GLZS4BA24	GLZS4BA60	GLZS4BA24	GLZS4BA60	GLZS4BA60	GLZS4BA60
	NOMINAL TONS	1.5	2	2.5	2	2	2	2	5	2	2	2	2	2	5	2	5	5	5
	AMBIENT AIR TEMP (°F)	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
	SEER2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
	COMPRESSORS (NO./STEPS)	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
ELEC DATA	**VOLTAGE/PHASE**	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
	MCA	11.4	13.8	17	13.8	13.8	13.8	13.8	31.1	13.8	13.8	13.8	13.8	13.8	31.1	13.8	31.1	31.1	31.1
	MOCP	15	20	25	20	20	20	20	50	20	20	20	20	20	50	20	50	50	50
	PANEL AND CIRCUIT	RE:UNIT PLANS	RE:UNIT PLANS	RE:UNIT PLANS	PA4-24,26	PB4-18,20	PC4-22,24	PE4-26,28	PBH2-18,20	PBH2-22,24	PA4-28,30	PB4-22,24	PC4-26,28	PC4-30,32	PBH2-26,28	PBH2-30,32	PBH2-34,36	PBH2-38,40	PBH2-42,44
	WIRE AND CONDUIT	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.
	OVERCURRENT DEVICE	15A/2P CB	20A/2P CB	25A/2P CB	20A/2P CB	20A/2P CB	20A/2P CB	20A/2P CB	50A/2P CB	20A/2P CB	20A/2P CB	20A/2P CB	20A/2P CB	20A/2P CB	50A/2P CB	20A/2P CB	50A/2P CB	50A/2P CB	50A/2P CB
	DISCONNECT	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH
REFERENCE DRAWINGS		UNIT PLANS	UNIT PLANS	UNIT PLANS	M-111A	M-111B	M-111C	M-111E	M-120	M-122	M-112A	M-112B	M-112C	M-112E	M-121	M-121	M-121	M-121	M-121
REMARKS		NOTE 2, 3, 4	NOTE 2, 3, 4	NOTE 2, 3, 4	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6

NOTES:

1: LOCKABLE CIRCUIT BREAKER IN APARTMENT UNIT PANEL SERVES AS THE LOCAL DISCONNECTING MEANS.
2: PROVIDE WALL-MOUNTED, TOP DISCHARGE INDOOR UNIT.
3: PROVIDE MULTI-SPEED ECM MOTOR.
4: PROVIDE FLOWRATOR EXPANSION DEVICE.
5: PROVIDE MULTI-POSITIONAL, TOP DISCHARGE INDOOR UNIT.
6: SYSTEM DUCT MOUNTED SMOKE DETECTOR IN RETURN DUCT, PROVIDED BY FIRE ALARM CONTRACTOR. CONNECT TO RTU FOR SHUTDOWN AS REQUIRED. CONNECT TO REMOTE ALARM/INDICATOR. REFER TO POWER PLAN FOR LOCATION OF REMOTE ALARM/INDICATOR DEVICE.

FAN SCHEDULE

DESIGNATION		EF-A (TYP)	EF-1	EF-2	EF-3	EF-4	EF-5	EF-6	EF-7	EF-8	SF-1	SF-2	SF-3	SF-4
FAN TYPE		CEILING	DOWNBLAST	DOWNBLAST	SIDEWALL	CEILING	CEILING	CEILING	CEILING	CEILING	HOODED	HOODED	HOODED	INLINE
SERVICE		BATHROOM	TRASH	TRASH	POOL EQUIP.	DOG WASH	RESTROOM	RESTROOMS	RESTROOM	RESTROOM	OUTSIDE AIR	OUTSIDE AIR	OUTSIDE AIR	OUTSIDE AIR
MANUFACTURER		BROAN	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK
MODEL		XB50	G-095-VG	G-095-VG	AER-20-02-0605-VG	SP-A200	SP-A125	SQ-98-VG	SP-A200	SP-A200	RCS3-20-604-VG	RCS3-20-604-VG	RCS3-20-604-VG	RCS3-20-604-VG
UNIT DATA	**CFM**	50	550	550	400	150	75	225	150	150	800	800	800	800
	STATIC PRESSURE	0.2	0.5	0.5	0.3	0.3	0.3	0.4	0.3	0.3	0.5	0.5	0.5	0.5
	FAN RPM	----	1505	1505	783	754	1100	1132	754	754	1533	1533	1533	1533
	OPERATING POWER (HP)	[5.8 WATTS]	0.1	0.1	0.08	0.02	0.01	0.05	0.02	0.02	0.16	0.16	0.16	0.16
	MOTOR HP	---	1/6	1/6	1/4	29 WATTS	20 WATTS	0.25	29 WATTS	29 WATTS	1	1	1	1
	VOLTAGE/PHASE	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1	120/1
	DRIVE	DIRECT	DIRECT ECM	DIRECT ECM	DIRECT ECM	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT ECM	DIRECT ECM	DIRECT ECM	DIRECT ECM
ELEC/CNTRL DATA	**PANEL & CIRCUIT**	NOTE 1	PA5-33	PE4-29	PP-4	DPD-40	PBH1-97	PBH1-99	PBH1-101	PBH1-103	PA4-35	PB4-19	PC4-29	PE4-31
	WIRE & CONDUIT	(2)#12, #12G. 1/2" C.	(2)#12, #12G, 1/2"C.	(2)#12, #12G, 1/2"C.	(2)#12, #12G, 1/2"C.	(2)#12, #12G, 1/2"C.	(2)#12, #12G, 1/2"C.	(2)#12, #12G, 1/2"C.	(2)#12, #12G, 1/2"C.	(2)#12, #12G, 1/2"C.	(2)#10,#10G,3/4"C.	(2)#10,#10G,3/4"C.	(2)#10,#10G,3/4"C.	(2)#10,#10G,3/4"C.
	OVERCURRENT DEVICE	20A/1P CB	15A/1P CB	15A/1P CB	15A/1P CB	15A/1P CB	15A/1P CB	15A/1P CB	15A/1P CB	15A/1P CB	30A/1P CB	30A/1P CB	30A/1P CB	30A/1P CB
	DISCONNECT	TOGGLE SWITCH	30A/NF	30A/NF	30A/NF	30A/NF	30A/NF	30A/NF	30A/NF	30A/NF	30A/NF	30A/NF	30A/NF	30A/NF
	CONTROL	TOGGLE SWITCH	NOTE 3	NOTE 3	NOTE 3	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 5	NOTE 5	NOTE 5	NOTE 5
REFERENCE DRAWING/DETAIL		UNIT PLANS	MEP-115A	MEP-115E	M-111A	M-122	M-121	M-121	M-122	M-122	MEP-115A	MEP-115B	MEP-115C	MEP-115E
REMARKS		NOTE 2	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4

NOTES:

1: CONNECTED TO BATHROOM LIGHTING CIRCUIT, REFER TO UNIT PLANS FOR CIRCUIT DESIGNATION.
2: PROVIDE WITH CEILING RADIATION DAMPER TO MAINTAIN 1-HR RATING.
3: FAN TO OPERATE CONTINUOUSLY.
4: PROVIDE WITH FAN SPEED CONTROLLER.
5: FAN TO BE PROVIDED WITH DUCT STATIC PRESSURE CONTROL. CONTRACTOR TO SET FINAL STATIC PRESSURE SETPOINT WITH ALL ASSOCIATED OUTSIDE AIR DAMPERS BALANCED TO THE CORRECT OUTSIDE AIRFLOW.

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project number 2522700

PERMIT SET

OLDHAM APARTMENT
1100 SW JEFFERSON ST
LEE'S SUMMIT, MO 64081

REVISION DATES:

STATE OF MISSOURI
CHRISTOPHER EDWARD ALBRIGHT
NUMBER PE-2006033859
REGISTERED PROFESSIONAL ENGINEER
12/2/25

PROFESSIONAL SEAL

MEP-301

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

MECHANICAL AND ELECTRICAL - SCHEDULES

PROJECT NAME: OLDHAM APARTMENT
AUTOCAD FILE LOCATION \ NAME: C:\SBA\Smith & Boucher Inc\OAM\OAM_MEP - Documents\25\2522700_Oldham Village\Drawings\02-2522700_MEP-301 - MECHANICAL AND ELECTRICAL - SCHEDULES.dwg
LAST CORRECTION BY ◆ DATE ◆ TIME: Bootyc Monday, December 22, 2025 9:28:16 AM
PLOTTED BY ◆ DATE ◆ TIME: Booty Charles Monday, December 22, 2025 10:06:27 AM

PIPE INSULATION SCHEDULE - PLUMBING

SERVICE	PIPE SIZE	INSULATION
DOMESTIC COLD WATER	1/2" - 2"	1/2" FIBERGLASS, ASJ
	2-1/2" AND LARGER	1" FIBERGLASS, ASJ
DOMESTIC HOT WATER	1/2" - 1-1/4"	1" FIBERGLASS, ASJ
RECIRCULATING HOT WATER	1-1/2" AND LARGER	1-1/2" FIBERGLASS, ASJ
WATER EXPOSED FIXTURE WASTETRAPS AND DOMESTIC HOT AND COLD AT HANDICAPPED ACCESSIBLE SINKS AND LAVATORIES	ALL	TRUBRO LAV AGUARD MOLDED PROTECTIVE PIPE COVER OVER 1/2" FIBERGLASS INSULATION

NOTES:
1: FOR ALL PIPING 2-1/2" AND LARGER, PROVIDE RIGID FOAM INSERTS AT ALL HANGERS AND SUPPORT LOCATIONS.
2: FOR ALL EXPOSED PIPING PROVIDE PAINTABLE PVC JACKET. (EXCLUDES MECHANICAL SPACES)
3: PEX PIPING REQUIRES INSULATION.

GRILLE, REGISTER & DIFFUSER SCHEDULE

PLAN MARK	MANUFACTURER MODEL NUMBER	SERVICE	MOUNT TYPE	VOLUME DAMPER	MATERIAL	COLOR	REMARKS
SD-1	HART AND COOLEY 682	SUPPLY	SURFACE	YES	STEEL	WHITE	1
SD-2	TITUS 301FL	SUPPLY	SURFACE	YES	STEEL	WHITE	1
SD-3	TITUS 300FL	SUPPLY	SURFACE	YES	ALUMINUM	WHITE	1
RG-1	HART AND COOLEY 650	RETURN	SURFACE	NO	STEEL	WHITE	1
RG-2	TITUS 350RL	RETURN	SURFACE	NO	STEEL	WHITE	1
RG-3	TITUS 350FL	RETURN	SURFACE	NO	ALUMINUM	WHITE	1
EG-1	TITUS 350FL	RETURN	SURFACE	NO	ALUMINUM	WHITE	1

NOTES:
1: PROVIDE CEILING RADIATION DAMPER IN GRILLES LOCATED IN RATED FLOOR/CEILING SYSTEMS.

AIR HANDLING UNIT SCHEDULE - DX/ELECTRIC HEAT (2 OF 2)

INDOOR UNIT										
DESIGNATION		AHU-3-1	AHU-3-2	AHU-3-3	AHU-3-4	AHU-4-1	AHU-4-2	AHU-4-3	AHU-4-4	AHU-4-5
AHU	MANUFACTURER	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN
	MODEL	ARUF25	ARUF25	ARUF25	ARUF25	ARUF25	ARUF25	ARUF25	ARUF25	ARUF61
	SPACE SERVED	CORRIDOR	CORRIDOR	CORRIDOR	CORRIDOR	CORRIDOR	CORRIDOR	CORRIDOR	CORRIDOR	FITNESS STUDIO
	SUPPLY CFM	800	800	800	800	800	800	800	800	2000
	OUTSIDE AIR CFM	200	200	200	200	200	200	200	200	250
	EXTERNAL STATIC PRES. (IN. W.G.)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	MOTOR HORSEPOWER	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/3	3/4
COOLING	ENT. AIR (DB/WB)	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63	76/63
	LVG. AIR (DB/WB)	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57	58/57
	TOTAL COOLING CAP (MBH)	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	59.0
	SENSIBLE COOLING CAP (MBH)	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	43.50
HEATING	ELECTRIC HEAT (KW)	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	19.0
	STAGES OF HEAT	1	1	1	1	1	1	1	1	1
	HEATING CAPACITY (MBH)	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	42.5
FILTER	FILTER TYPE	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED	1" PLEATED
	MERV RATING	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8	MERV 8
	SIZE	16" X 20"	16" X 20"	16" X 20"	16" X 20"	16" X 20"	16" X 20"	16" X 20"	16" X 20"	23" X 20"
ELEC. DATA	VOLTAGE/PHASE	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
	MCA	44	44	44	44	44	44	44	44	56
	M.O.C.P.	45	45	45	45	45	45	45	45	60
	PANEL AND CIRCUIT	PA2-18,20	PB2-22,24	PC2-22,24	PE2-22,24	PA4-32,34	PB4-26,28	PC4-30,32	PE4-34,36	PBH1-106,108
	WIRE AND CONDUIT	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#6,#10G,3/4"C.	(2)#4,#10G,3/4"C.
	OVERCURRENT DEVICE	45A/2P CB	45A/2P CB	45A/2P CB	45A/2P CB	45A/2P CB	45A/2P CB	45A/2P CB	45A/2P CB	60A/2P CB
	DISCONNECT	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF	60A/NF
OUTDOOR UNIT										
DESIGNATION		CU-3-1	CU-3-2	CU-3-3	CU-3-4	CU-4-1	CU-4-2	CU-4-3	CU-4-4	CU-4-5
UNIT DATA	MANUFACTURER	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN	GOODMAN
	MODEL NO.	GLZS4BA24	GLZS4BA24	GLZS4BA24	GLZS4BA24	GLZS4BA24	GLZS4BA24	GLZS4BA24	GLZS4BA24	GLZS4BA60
	NOMINAL TONS	2	2	2	2	2	2	2	2	5
	AMBIENT AIR TEMP (°F)	95	95	95	95	95	95	95	95	95
	SEER2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
	COMPRESSORS (NO./STEPS)	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
ELEC DATA	VOLTAGE/PHASE	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
	MCA	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	31.1
	MOCP	20	20	20	20	20	20	20	20	50
	PANEL AND CIRCUIT	PA4-36,38	PB4-30,32	PC4-34,36	PE4-38,40	PA4-40,42	PB4-34,36	PC4-38,40	PE4-42,44	PBH2-46,48
	WIRE AND CONDUIT	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.
	OVERCURRENT DEVICE	20A/2P CB	20A/2P CB	20A/2P CB	20A/2P CB	20A/2P CB	20A/2P CB	20A/2P CB	20A/2P CB	50A/2P CB
	DISCONNECT	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH	TOGGLE SWITCH
REFERENCE DRAWINGS		M-113A	M-113B	M-113C	M-113E	M-114A	M-114B	M-114C	M-114E	M-122
REMARKS		NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6	NOTE 3, 4, 5, 6

NOTES:
1: LOCKABLE CIRCUIT BREAKER IN APARTMENT UNIT PANEL SERVES AS THE LOCAL DISCONNECTING MEANS.
2: PROVIDE WALL-MOUNTED, TOP DISCHARGE INDOOR UNIT.
3: PROVIDE MULTI-SPEED ECM MOTOR.
4: PROVIDE FLOWRATOR EXPANSION DEVICE.
5: PROVIDE MULTI-POSITIONAL, TOP DISCHARGE INDOOR UNIT.
6: SYSTEM DUCT MOUNTED SMOKE DETECTOR IN RETURN DUCT, PROVIDED BY FIRE ALARM CONTRACTOR. CONNECT TO RTU FOR SHUTDOWN AS REQUIRED. CONNECT TO REMOTE ALARM/INDICATOR. REFER TO POWER PLAN FOR LOCATION OF REMOTE ALARM/INDICATOR DEVICE.

UNIT HEATER SCHEDULE - ELECTRIC

DESIGNATION		UH-1	UH-2	UH-3	UH-4	UH-5	UH-6	UH-7	UH-8	UH-9	UH-10
HEATER TYPE		FAN FORCED	FAN FORCED	FAN FORCED	FAN FORCED	FAN FORCED	FAN FORCED	FAN FORCED	FAN FORCED	FAN FORCED	FAN FORCED
LOCATION		STAIR A	STAIR B	TRASH ROOM	WATER ROOM	STAIR C	STAIR D	STAIR E	STAIR F	TRASH ROOM	STAIR G
MOUNTING		WALL	WALL	SUSPENDED	SUSPENDED	WALL	WALL	WALL	WALL	SUSPENDED	WALL
MANUFACTURER		RAYWALL	RAYWALL	RAYWALL	RAYWALL	RAYWALL	RAYWALL	RAYWALL	RAYWALL	RAYWALL	RAYWALL
MODEL		AFA848D	AFA848D	F1F5105N	F1F5105N	AFA848D	AFA848D	AFA848D	AFA848D	F1F5105N	AFA848D
UNIT DATA	CFM	175	175	400	400	175	175	175	175	400	175
	FAN RPM	600	600	---	---	600	600	600	600	---	600
	FAN DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
	HEATER KW	4.8	4.8	5	5	4.8	4.8	4.8	4.8	5	4.8
	VOLTAGE/PHASE	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
ELEC./CTRL. DATA	PANEL & CIRCUIT	DPA-20,22	DPB-22,24	DPB-26,28	DPB-30,32	DPB-34,36	DPB-38,40	DPD-36,38	DPE-22,24	DPE-26,28	DPE-30,32
	WIRE & CONDUIT	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.	(2)#10,#10G,1/2"C.
	OVERCURRENT DEVICE	30A/2P CB	30A/2P CB	30A/2P CB	30A/2P CB	30A/2P CB	30A/2P CB	30A/2P CB	30A/2P CB	30A/2P CB	30A/2P CB
	DISCONNECT	INTEGRAL	INTEGRAL	INTEGRAL	INTEGRAL	INTEGRAL	INTEGRAL	INTEGRAL	INTEGRAL	INTEGRAL	INTEGRAL
	CONTROL	INTEGRAL TSTAT	INTEGRAL TSTAT	REMOTE TSTAT	REMOTE TSTAT	INTEGRAL TSTAT	INTEGRAL TSTAT	INTEGRAL TSTAT	INTEGRAL TSTAT	REMOTE TSTAT	INTEGRAL TSTAT
REFERENCE DRAWING/DETAIL		M-111A	M-111A	M-111A	M-111A	M-111C	M-120	M-122	M-111E	M-111E	M-111F
REMARKS		---	---	---	---	---	---	---	---	---	---

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project number 2522700

PERMIT SET

OLDHAM APARTMENT
1100 SW JEFFERSON ST
LEE'S SUMMIT, MO 64081

REVISION DATES:

STATE OF MISSOURI
CHRISTOPHER EDWARD ALBRIGHT
NUMBER PE-2006033959
REGISTERED PROFESSIONAL ENGINEER
12/22/25
PROFESSIONAL SEAL

MEP-302

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

MECHANICAL AND ELECTRICAL - SCHEDULES

PROJECT NAME: OLDHAM APARTMENT
AUTOCAD FILE LOCATION \ NAME: C:\SB\Smith & Boucher Inc\OAK0062300 - Documents\25\2522700_Oldham Village\Drawings\25-2522700_MEP-302 - MECHANICAL AND ELECTRICAL - SCHEDULES.dwg
LAST CORRECTION BY ◆ DATE ◆ TIME: Booyc Booty Monday, December 22, 2025 9:28:16 AM
PLOTTED BY ◆ DATE ◆ TIME: Booty Charles Monday, December 22, 2025 10:06:35 AM

SPLIT A/C UNIT SCHEDULE

INDOOR UNIT																
DESIGNATION		AC-1	AC-2	AC-3	AC-4	AC-5	AC-6	AC-7	AC-8	AC-9	AC-10	AC-11	AC-12	AC-13	AC-14	AC-15
UNIT DATA	MANUFACTURER	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE
	MODEL	TPKA0A0241KA70A	TPKA0A0241KA70A	TPKA0A0241KA70A	TPKA0A0241KA70A	TPKA0A0241KA70A	TPKA0A0241KA70A	TPKA0A0241KA70A	TPKA0A0241KA70A	TPKA0A0241KA70A	TPKA0A0241KA70A	TPKA0A0241KA70A	TPKA0A0241KA70A	TPEADA0121AA80A	TPEADA0121AA80A	TPEADA0121AA80A
	SERVICE	POOL EQUIP	ELEC	ELEC	ELEC/WATER	ELEC	STAIR A	STAIR B	STAIR C	STAIR D	STAIR E	STAIR F	STAIR G	ELEVATOR A	ELEVATOR B	ELEVATOR C
	TYPE	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	DUCTED	DUCTED	DUCTED
	SUPPLY AIRFLOW (CFM)	775	775	775	775	775	775	775	775	775	775	775	775	500	500	500
	TOTAL COOLING CAP @ 95°F (MBH)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	12.0	12.0	12.0
	TOTAL HEATING CAP @ 5°F (MBH)	15.2	---	---	15.2	---	15.2	15.2	15.2	15.2	15.2	15.2	15.2	---	---	---
ELEC. DATA	VOLTAGE/PHASE	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
	PANEL AND CIRCUIT	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1
	WIRE AND CONDUIT	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C	(2)#12,#12G,1/2"C
	OVERCURRENT DEVICE	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1
	DISCONNECT	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1
	CONTROLS	THERMOSTAT	THERMOSTAT	THERMOSTAT	THERMOSTAT	THERMOSTAT	THERMOSTAT	THERMOSTAT	THERMOSTAT	THERMOSTAT	THERMOSTAT	THERMOSTAT	THERMOSTAT	THERMOSTAT	THERMOSTAT	THERMOSTAT
REFERENCE DRAWING/DETAIL		M-111A	M-111A	M-111B	M-122	M-111E	M-114A	M-114A	M-114C	M-122	M-114D	M-114E	M-114F	M-114A	M-122	M-114D
REMARKS		NOTE 2, 3	NOTE 2, 3	NOTE 2, 3	NOTE 2, 3	NOTE 2, 3	NOTE 2, 3	NOTE 2, 3	NOTE 2, 3	NOTE 2, 3	NOTE 2, 3	NOTE 2, 3	NOTE 2, 3	NOTE 2, 3	NOTE 2, 3	NOTE 2, 3
OUTDOOR UNIT																
DESIGNATION		ACCU-1	ACCU-2	ACCU-3	ACCU-4	ACCU-5	ACCU-6	ACCU-7	ACCU-8	ACCU-9	ACCU-10	ACCU-11	ACCU-12	ACCU-13	ACCU-14	ACCU-15
UNIT DATA	MANUFACTURER	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE
	MODEL NO.	TRUZA0241HA70NA	TRUYA0241HA70NA	TRUYA0241HA70NA	TRUZA0241HA70NA	TRUYA0241HA70NA	TRUZA0241HA70NA	TRUZA0241HA70NA	TRUZA0241HA70NA	TRUZA0241HA70NA	TRUZA0241HA70NA	TRUZA0241HA70NA	TRUZA0241HA70NA	TRUYA0121KA70NA	TRUYA0121KA70NA	TRUYA0121KA70NA
	TOTAL COOLING CAP @ 95°F (MBH)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	12.0	12.0	12.0
	TOTAL HEATING CAP @ 5°F (MBH)	15.2	---	---	15.2	---	15.2	15.2	15.2	15.2	15.2	15.2	15.2	---	---	---
	SEER	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.0	21.0	21.0
	HSPF	11.0	---	---	11.0	---	11.0	11.0	11.0	11.0	11.0	11.0	11.0	---	---	---
	AMB. AIR TEMP (SUMMER/WINTER) (°F.)	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
ELEC DATA	VOLTAGE/PHASE	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
	PANEL AND CIRCUIT	PA4-8,10	PA4-12,14	PB4-10,12	PD4-8,10	PE4-10,12	PA4-16,18	PB4-14,16	PC4-14,16	PD4-12,14	PE4-14,16	PE4-18,20	PE4-22,24	PA4-20,22	PC4-18,20	PD4-16,18
	WIRE AND CONDUIT	(2)#10, #10G., 1/2"C.	(2)#10, #10G., 1/2"C.	(2)#10, #10G., 1/2"C.	(2)#10, #10G., 1/2"C.	(2)#10, #10G., 1/2"C.	(2)#10, #10G., 1/2"C.	(2)#10, #10G., 1/2"C.	(2)#10, #10G., 1/2"C.	(2)#10, #10G., 1/2"C.	(2)#10, #10G., 1/2"C.	(2)#10, #10G., 1/2"C.	(2)#10, #10G., 1/2"C.	(2)#12, #12G., 1/2"C.	(2)#12, #12G., 1/2"C.	(2)#12, #12G., 1/2"C.
	MCA	19	19	19	19	19	19	19	19	19	19	19	19	11	11	11
	MOCP	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	OVERCURRENT DEVICE	25A/2P CB	25A/2P CB	25A/2P CB	25A/2P CB	25A/2P CB	25A/2P CB	25A/2P CB	25A/2P CB	25A/2P CB	25A/2P CB	25A/2P CB	25A/2P CB	25A/2P CB	25A/2P CB	25A/2P CB
	DISCONNECT	30A/NF NEMA 3R	30A/NF NEMA 3R	30A/NF NEMA 3R	30A/NF NEMA 3R	30A/NF NEMA 3R	30A/NF NEMA 3R	30A/NF NEMA 3R	30A/NF NEMA 3R	30A/NF NEMA 3R	30A/NF NEMA 3R	30A/NF NEMA 3R	M-115F	30A/NF NEMA 3R	30A/NF NEMA 3R	30A/NF NEMA 3R
REFERENCE DRAWING/DETAIL		MEP-115A	MEP-115A	MEP-115B	MEP-115D	MEP-115E	MEP-115A	MEP-115A	MEP-115C	MEP-115C	MEP-115D	MEP-115E	M-115F	MEP-115A	MEP-115C	MEP-115D
REMARKS		NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4	NOTE 4

NOTES:
1: INDOOR UNIT CIRCUITED THROUGH OUTDOOR UNIT.

DUCTWORK SCHEDULE

SERVICE	DUCT SHAPE	SMACNA REQUIREMENTS			LINER REQUIREMENTS	INSULATION REQUIREMENTS	OTHER REQUIREMENTS
		CLASSIFICATION	SEAL CLASS	LEAKAGE CLASS			
LOW PRESSURE SUPPLY DUCTWORK CONNECTED TO SINGLE ZONE AIR HANDLING UNITS.	RECTANGULAR	2" WG POSITIVE	B	12	1/2", 1.5LB DENSITY LINER (IN COMMON AREAS ONLY)	---	PAINTABLE WHERE EXPOSED
	ROUND (CONCEALED)	4" WG POSITIVE SPIRAL SEAM	B	3	---	1-1/2", 1.5 LB. RIGID FIBERGLASS BLANKET, VAPOR-BARRIER FACED, WITH HEAVY DUTY FOIL-SCRIM-KRAFT FACING	
	ROUND (EXPOSED)	4" WG POSITIVE SPIRAL SEAM	B	3	---	---	PAINTABLE WHERE EXPOSED
RETURN AIR DUCTWORK	RECTANGULAR	2" WG NEGATIVE	B	12	1/2", 1.5LB DENSITY LINER (IN COMMON AREAS ONLY)	---	PAINTABLE WHERE EXPOSED
	ROUND	2" WG NEGATIVE	A	3	---	---	PAINTABLE WHERE EXPOSED
OUTSIDE AIR DUCTWORK	ALL (CONCEALED)	2" WG POSITIVE	B	12	---	1-1/2", 1.5 LB. RIGID FIBERGLASS BLANKET, VAPOR-BARRIER FACED, WITH HEAVY DUTY FOIL-SCRIM-KRAFT FACING	
	ALL (EXPOSED)	2" WG POSITIVE	B	12	---	1-1/2", 3 LB. RIGID FIBERGLASS BOARD, VAPOR-BARRIER FACED, WITH HEAVY DUTY FOIL-SCRIM-KRAFT FACING AND PAINTABLE JACKET	PAINTABLE WHERE EXPOSED
GENERAL EXHAUST AIR DUCTWORK	RECTANGULAR	2" WG NEGATIVE	B	12	---	---	PAINTABLE WHERE EXPOSED
	ROUND	2" WG NEGATIVE	A	3	---	---	PAINTABLE WHERE EXPOSED

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project number 2522700

PERMIT SET

OLDHAM APARTMENT
1100 SW JEFFERSON ST
LEE'S SUMMIT, MO 64081

REVISION DATES:

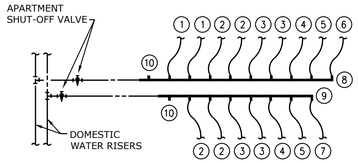
STATE OF MISSOURI
CHRISTOPHER EDWARD ALBRIGHT
NUMBER PE-2009033859
REGISTERED PROFESSIONAL ENGINEER
12/22/25
PROFESSIONAL SEAL

MEP-303

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

MECHANICAL AND ELECTRICAL - SCHEDULES

PROJECT NAME: OLDHAM APARTMENT
AUTOCAD FILE LOCATION \ NAME: C:\BIM\Smith & Boucher rvt\SMEP303.rvt - Documents\25\2522\2522700 Oldham Village\Drawings\522-2522700_MEP-303 - MECHANICAL AND ELECTRICAL - SCHEDULES.dwg
LAST CORRECTION BY ◆ DATE ◆ TIME: Booiyc Monday, December 22, 2025 9:28:15 AM
PLOTTED BY ◆ DATE ◆ TIME: Booiy Charles Monday, December 22, 2025 10:06:44 AM

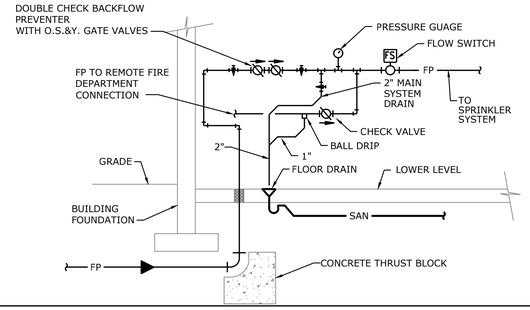


NOTE: REFER TO ENLARGED UNIT PLANS FOR ACTUAL QUANTITIES OF FIXTURES.

DETAIL NOTES:

1. 1/2" PEX TO WATER CLOSET.
2. 1/2" PEX TO LAVATORY.
3. 1/2" PEX TO SHOWER/TUB.
4. 1/2" PEX TO WASHING MACHINE BOX.
5. 1/2" PEX TO KITCHEN SINK.
6. 1/2" PEX TO ICE MAKER/REFRIGERATOR BOX.
7. 1/2" PEX TO DISHWASHER.
8. COLD WATER MANIFOLD ZURN QCM43-10GX.
9. HOT WATER MANIFOLD ZURN QCM43-8GX.
10. CAP.

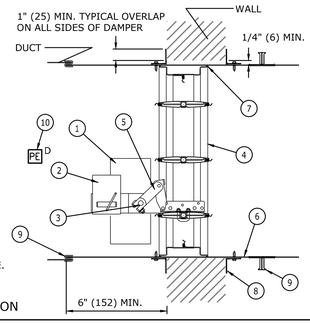
APARTMENT UNIT WATER DISTRIBUTION DETAIL
NOT TO SCALE



FIRE PROTECTION ENTRANCE DETAIL
NOT TO SCALE

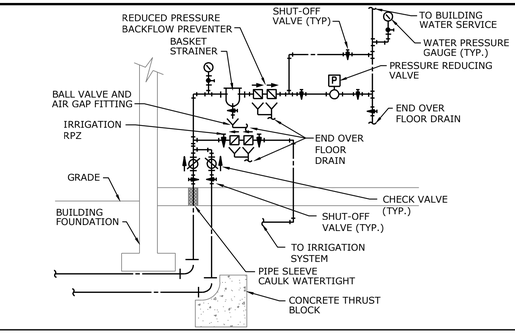
VERTICAL INSTALLATION

ITEM. DESCRIPTION
1. ACTUATOR (LOCATION MAY VARY). DAMPER MAY BE SUPPLIED WITHOUT ACTUATOR INSTALLED. RUSKIN'S UL LISTED FIRE DAMPER ACTUATORS MAY BE FIELD INSTALLED IF PROPERLY LABELED. SEE ACTUATOR INSTALLATION INSTRUCTIONS FOR FIELD MOUNTING OF DAMPER ACTUATORS.
2. OPTIONAL FIRESTAT OR SP100
3. AUXILLARY OPERATING JACK SHAFT
4. DAMPER
5. OVER CENTER LOCK
6. SLEEVE
7. CAULKING MATERIAL (MAY BE ON EITHER SIDE OF DAMPER FRAME
8. PFMA OR CONVENTIONAL MOUNTING ANGLES
9. S-JOINT/DUCT MATE, SLEEVE TO DUCT
10. DUCT SMOKE DETECTOR MOUNTED WITHIN NFPA REQUIRED DISTANCE.

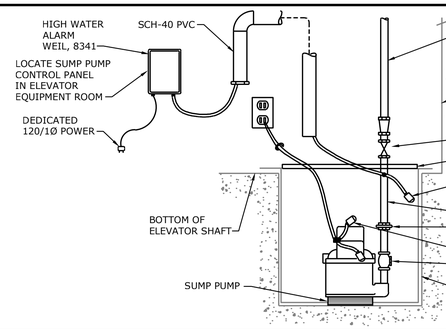


TYPICAL INSTALLATION

FIRE/SMOKE DAMPER DETAIL
NOT TO SCALE



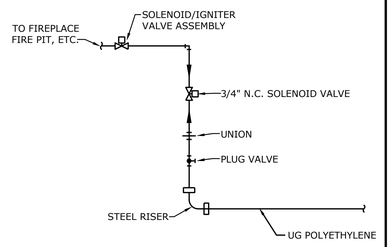
DOMESTIC WATER SERVICE DETAIL
NOT TO SCALE



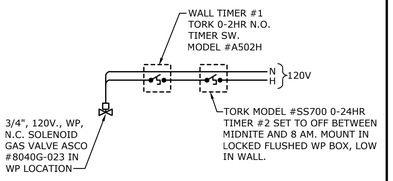
ELEVATOR SUMP PUMP DETAIL
NOT TO SCALE

LEGEND:

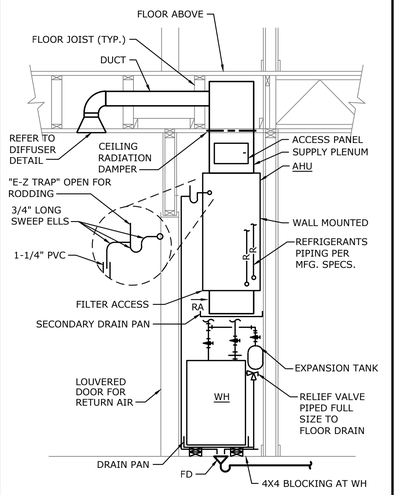
(1) PROVIDE GAS RISER, SHUT-OFF, SOLENOID VALVE ON ON TIMER, SEE DETAIL.



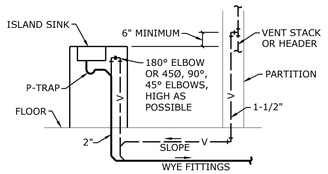
PIPING SCHEMATIC



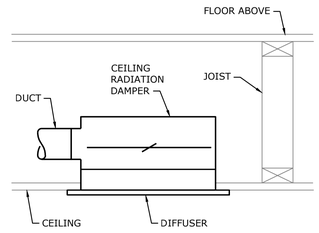
CONTROL SCHEMATIC



TYPICAL AHU/WH DETAIL
NOT TO SCALE



ISLAND SINK VENTING DETAIL
NOT TO SCALE



APARTMENT UNIT DIFFUSER DETAIL
NOT TO SCALE

GAS CONTROL DETAIL - GRILL
NO SCALE

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project number 2522700

PERMIT SET

OLDHAM APARTMENT
1100 SW JEFFERSON ST
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REVISION DATES:

STATE OF MISSOURI
CHRISTOPHER EDWARD ALBRIGHT
NUMBER 2006033868
REGISTERED PROFESSIONAL ENGINEER
12/22/25

PROFESSIONAL SEAL

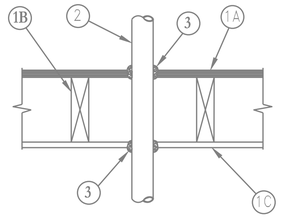
MEP-400

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

MECHANICAL AND ELECTRICAL - DETAILS

PROJECT NAME: OLDHAM APARTMENT
AUTOCAD FILE LOCATION \ NAME: C:\SBR\Smith & Boucher Inc\SANDBOX365 - Documents\2025\2522700 Oldham Village\Drawings\02-2522700_MEP-400 - MECHANICAL AND ELECTRICAL - DETAILS.dwg
LAST CORRECTION BY ◆ DATE ◆ TIME: Jgraham Tuesday, December 16, 2025 2:27:25 PM
PLOTTED BY ◆ DATE ◆ TIME: Booty Charles Monday, December 22, 2025 10:06:58 AM

System No. F-C-7001
September 03, 2004
(Formerly System No. 169)
F Rating - 1 Hr
T Rating - 1/2 Hr



1. Floor-Ceiling Assembly - The 1 hr fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual I500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory, as summarized below:

A. **Flooring System** - Lumber or plywood subfloor with finish floor of lumber, plywood or **Floor Topping Mixture*** as specified in the individual Floor-Ceiling Design. Max diam of opening is 11 in.
B. **Wood Joists** - Nom 2 by 10 in. lumber joists spaced 16 in. OC with nom 1 by 3 in. lumber bridging and with ends firestopped.
C. **Gypsum Board*** - Nom 4 ft wide by 5/8 in. thick as specified in the individual Floor-Ceiling Design. Max diam of opening is 11 in.

1.1 Chase Wall (Optional, not shown) - The through penetrants (Item No. 2) shall be routed through a 1 hr fire-rated single, double or staggered wood stud/gypsum wallboard chase wall constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** - Nom 2 by 6 in. or double nom 2 by 4 in. lumber studs.
B. **Sole Plate** - Nom 2 by 6 in. or parallel 2 by 4 in. lumber plates, tightly butted.
C. **Top Plate** - The double top plate shall consist of two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates, tightly butted. Max diam of opening is 5 in.
D. **Gypsum Board*** - Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.

2. Steel Vent Duct - Nom 4 in. diam (or smaller) No. 30 gauge (or heavier) galv steel vent duct or nom 10 in. diam (or smaller) No. 28 gauge (or Heavier) galv steel vent duct. Diam of openings to be max 1 in. larger than outside diam of duct. Duct to be installed approx midway between wood joists and installed either concentrically or eccentrically in opening. The annular space between the duct and the periphery of opening shall be min 0 in. (point contact) to max 1 in. Duct to be rigidly supported on both sides of floor-ceiling assembly.

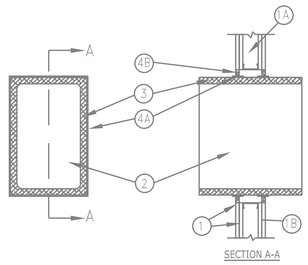
3. Fill,Void or Cavity Materials* - Caulk or Sealant - Min 3/4 in. thickness of fill material applied within the annulus, flush with top surface of floor or sole plate. Min 5/8 in. thickness of fill material applied within the annulus, flush with bottom surface of ceiling or top plate. An additional min 1/4 in. crown of fill material applied to perimeter of duct at its egress from the top of flooring and underside of ceiling or from top of sole plate and underside of top plate.

3M COMPANY - CP 25WB+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Marking

This material was extracted by 3M Fire Protection Products from the 2004 edition of the UL Fire Resistance Directory

System No.W-L-7051
September 07, 2004
F Rating - 1 and 2 Hr (See Item 1)
T Rating - 3/4 and 2 Hr (See Item 1)



SECTION A-A

1. Wall Assembly - The 1 and 2 hr fire rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features.

A. **Studs** - Wall framing shall consist of min 3-1/2 in. (89 mm) wide steel studs spaced a max 2 (610 mm) OC. Additional min 3-1/2 in. (89 mm) wide steel studs shall be used to completely frame the opening.
B. **Gypsum Board*** - Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. Max size of opening is 35 in. by 29 in. (889 mm by 737 mm) opening.

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
The hourly T Rating is 3/4 and 2 Hr for 1 and 2 Hr rated assemblies, respectively.The hourly T Rating is 3/4 and 2 Hr for 1 and 2 Hr rated assemblies, respectively.

2. Steel Air Duct - Nom 30 in. by 24 in. (762 mm by 610 mm) min 24 gauge (or heavier) galv steel air duct to be installed either concentrically or eccentrically within the opening. Duct to be rigidly supported on both sides of wall assembly.

3. Duct Insulation* - Nom 1-1/2 in. (38 mm) thick glass fiber blanket insulation jacketed on the outside with foil-scrim-kraft facing. Longitudinal and transverse joints sealed with foil-scrim kraft tape. A nominal 1 in. (25 mm) annular space shall be maintained between the insulated duct and the periphery of the opening.

See **Batts and Blankets** (BKNV) category in the Building Materials Directory for names of manufacturers. Any batts and blankets material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

4. Firestop System - The firestop system shall consist of the following:

A. **Wrap Strip** - One layer of nom 1/8 in. (3.2 mm) thick intumescent material supplied in 2 in. (51 mm) wide strips tightly wrapped around duct insulation and held in place with 2 in. (51 mm) wide min 3 mil foil tape. Wrap strip slid into annulus on both sides of wall such that wrap strips extend approx 1/2 in. (13 mm) beyond both surfaces of wall. Exposed portion of wrap strip to be completely covered with min 3 mil foil tape.

3M COMPANY - Ultra GS

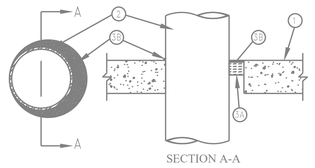
B. **Fill,Void or Cavity Material* - Caulk or Sealant** - Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall assembly.

3M COMPANY - CP-25 WB+, IC 15WB caulk or FB-3000 WT sealant

*Bearing the UL Classification Mark

This material was extracted by 3M Fire Protection Products from the 2004 edition of the UL Fire Resistance Directory

SYSTEM NO. C-AJ-1317
F RATING-- 3 HR
T RATING-- 0 HR



SECTION A-A

1. **Floor or Wall Assembly** - Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 10-1/2 in.

See **Concrete Blocks (CAZT)** category in the Fire Resistance Directory for names of manufacturers.

2. **Through Penetrants** - One metallic pipe or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space between tube and periphery of opening shall be min 0 in. to max 1-7/8 in. Penetrants to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes or tubings may be used:

A. **Steel Pipe** - Nom 8 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe** - Nom 8 in. diam (or smaller) cast or ductile iron pipe.

C. **Conduit** - Nom 6 in. diam (or smaller) steel conduit, or nom 4 in. (or smaller) steel electrical metallic tubing.

D. **Copper Tubing** - Nom 4 in. diam (or smaller) Type M (or heavier) copper tube.

E. **Copper Pipe** - Nom 4 in. diam (or smaller) Regular (or heavier) copper pipe.

3. **Firestop System** - The details of the firestop system shall be as follows:

A. **Packing Material** - Min 2 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.

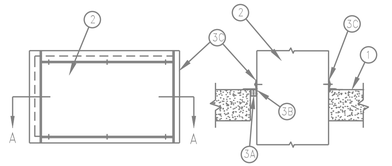
B. **Fill Void or Cavity Materials*** - Caulk - Min 1/4 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. Min 1/2 in. diam bead of caulk applied to the penetrant/concrete interface at the point contact location on the top surface of floor or both surfaces of wall.

MINNESOTA MINING & MFG CO - FD-150+

*Bearing the UL Classification Mark

This material was extracted by 3M Fire Protection Products from the 2002 edition of the UL Fire Resistance Directory

System No. C-AJ-7016
September 03, 2004
F Rating - 2 & 3 Hr (See Item 1)
T Rating - 0 Hr



SECTION A-A

1. Floor or Wall Assembly - Min 2-1/2 in. (64 mm) thick or min 4-1/2 in. (114 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***.

The F Rating is 2 hr and 3 hr for min 2-1/2 in. (64 mm) or min 4-1/2 in. (114 mm) thick assemblies. Max area of opening is 576 sq in. (3716 c/m2) with max dimension of 36 in. (914 mm) for 2 hr assemblies and 544 sq in. (3510 c/m2) with max dimension of 34 in. (864 mm) for 3 hr assemblies.

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Through Penetrants - One steel duct to be installed either concentrically or eccentrically within the firestop system. An annular space of min 0 in. (point contact) to max 4 in. (0 mm to max 102 mm) is required within the firestop system for 2 hr assemblies and min 0 in. (point contact) to max 2 in. is required within the firestop system for 3 hr assemblies. Steel duct to be rigidly supported on both sides of floor or wall assembly. The following sizes of steel ducts may be used:

A. **Steel Duct** - Nom 32 in. by 14 in. (813 mm by 356 mm) (or smaller) No. 22 gauge (or heavier) galv steel duct.
B. **Steel Duct** - Nom 30 in. by 12 in. (762 mm by 305 mm) (or smaller) No. 24 gauge (or heavier) galv steel duct.

3. Firestop System - The firestop system shall consist of the following:

A. **Packing Material** - Nom 1 in. (25 mm) thickness of tightly packed mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of caulk fill material.
B. **Fill,Void or Cavity Material* - Caulk or Sealant** - Min 1 in. (25 mm) thickness of fill material applied within annulus, flush with top surface of floor or both surfaces of wall assembly. At the point contact location between duct and concrete, a min 1/4 in. (6 mm) diam bead of sealant shall be applied to the concrete/duct interface on the top surface of floor and on both surfaces of wall assembly.

3M COMPANY - CP 25WB+, IC 15WB caulk or FB-3000 WT sealant.

C. **Retaining Angles** - Min 16 gauge galv steel angles sized to lap duct a min of 2 in. (51 mm) in. and lap top surface of floor or both surfaces of wall a min of 1 in. (25 mm). Angles attached to duct with min 1/2 in. (13 mm) long, No. 10 (or larger) sheet metal screws spaced a max of 1 in. (25 mm) from each end of duct and spaced a max of 6 in. (152 mm) OC.

*Bearing the UL Classification Marking

This material was extracted by 3M Fire Protection Products from the 2004 edition of the UL Fire Resistance Directory

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phone 913.345.2127 fax 913.345.0617
project number 2522700

PERMIT SET

OLDHAM APARTMENT

1100 SW JEFFERSON ST
LEE'S SUMMIT, MO 64081

REVISION DATES:

STATE OF MISSOURI
CHRISTOPHER EDWARD ALBRIGHT
NUMBER 2006033858
REGISTERED PROFESSIONAL ENGINEER
12/22/25

PROFESSIONAL SEAL

MEP-401

ISSUE DATE: DECEMBER 22, 2025
HOEFER WELKER #: 1259011

MECHANICAL AND ELECTRICAL - DETAILS

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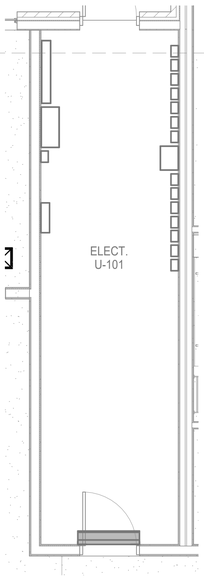
LAST CORRECTION BY ◆ DATE ◆ TIME: jgraham Tuesday, December 16, 2025 2:26:46 PM
PLOTTED BY ◆ DATE ◆ TIME: Booty Charles Monday, December 22, 2025 10:07:05 AM



E9 ENLARGED HVAC PLAN - FIRST FLOOR - TRASH AND ELECTRICAL ROOM
1/4" = 1'-0" ? ?

D1 FIRST FLOOR - HVAC PLAN - AREA A
1/8" = 1'-0"

A1 ENLARGED HVAC PLAN - FIRST FLOOR - TRASH AND ELECTRICAL ROOM
1/4" = 1'-0" ? ?

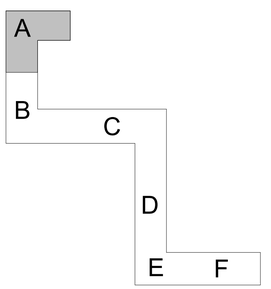
GENERAL NOTES:

1. INFORMATION SHOWN ON THE DRAWINGS IS INTENDED TO CONVEY SCOPE AND IS ARRANGED FOR DRAWING CLARITY. IT IS NOT TO BE TAKEN AS AN AS-BUILT CONDITION. THE SYSTEM INSTALLATION SHALL BE COORDINATED WITH STRUCTURE, CEILINGS, WALLS, AND ALL OTHER TRADES TO PROVIDE FOR A COMPLETE AND WORKING SYSTEM.
2. ALL DUCTWORK AND PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT INCLUDE ALL OFFSETS, DROPS, AND RISES. CAREFULLY COORDINATE DUCT AND PIPE ROUTING WITH STRUCTURE AS WELL AS ALL OTHER TRADES TO MAINTAIN EQUIPMENT CLEARANCES, EQUIPMENT ACCESSIBILITY, DESIRED CEILING HEIGHTS, AND AESTHETICS. THE CONTRACTOR SHALL INCLUDE ANY NEEDED OFFSETS AND CHANGES OF DIRECTION IN THE BID PRICING.
3. COORDINATE ALL DUCT PENETRATIONS WITH STRUCTURAL PRIOR TO CUTTING FLOORS OR BEARING WALLS.
4. WALL MOUNTED DEVICES SUCH AS THERMOSTATS, TEMPERATURE SENSORS, HUMIDITY SENSORS, AND PRESSURE SENSORS ARE SHOWN ON PLANS FOR CLARITY AND GENERAL REFERENCE OF LOCATIONS. LOCATIONS SHOWN ARE NOT TO BE CONSIDERED THE EXACT MOUNTING LOCATION. COORDINATE THE INSTALLATION OF ALL WALL MOUNTED DEVICES WITH THE ARCHITECTURAL ELEVATIONS AND OTHER TRADES WALL MOUNTED DEVICES. GROUP THE INSTALLATION OF ALL THE DEVICES TO THE EXTENT POSSIBLE AND LOCATE DEVICES SUCH THAT THEY DO NOT CONFLICT WITH MILL WORK, TELEVISIONS, FURNITURE, AND OTHER SIMILAR OBSTRUCTIONS.
5. PROVIDE FIRESTOPPING AT PENETRATIONS OF ALL RATED WALLS. REFER TO CODE PLANS FOR LOCATIONS OF RATED WALLS.
6. FURNISH ALL EXPOSED DUCTWORK IN FINISHED SPACES WITH PAINTABLE FINISH.
7. DUCT SIZES SHOWN ARE SHEET METAL DIMENSIONS. WHERE DUCT LINER IS REQUIRED, DUCT SIZES ARE NOT REQUIRED TO BE INCREASED TO ACCOUNT FOR LINER.
8. RETURN GRILLES ARE 22"X22" RG-1 UNLESS NOTED OTHERWISE.
9. ROUTE 3/4" CONDENSATE DRAIN FROM EACH INDOOR UNIT TO THE NEAREST FLOOR DRAIN AND DISCHARGE OVER THE DRAIN WITH AN AIR GAP.

PLAN NOTES:

(1) 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

KEY PLAN



FIRST FLOOR - HVAC PLAN - AREA A

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M-111A

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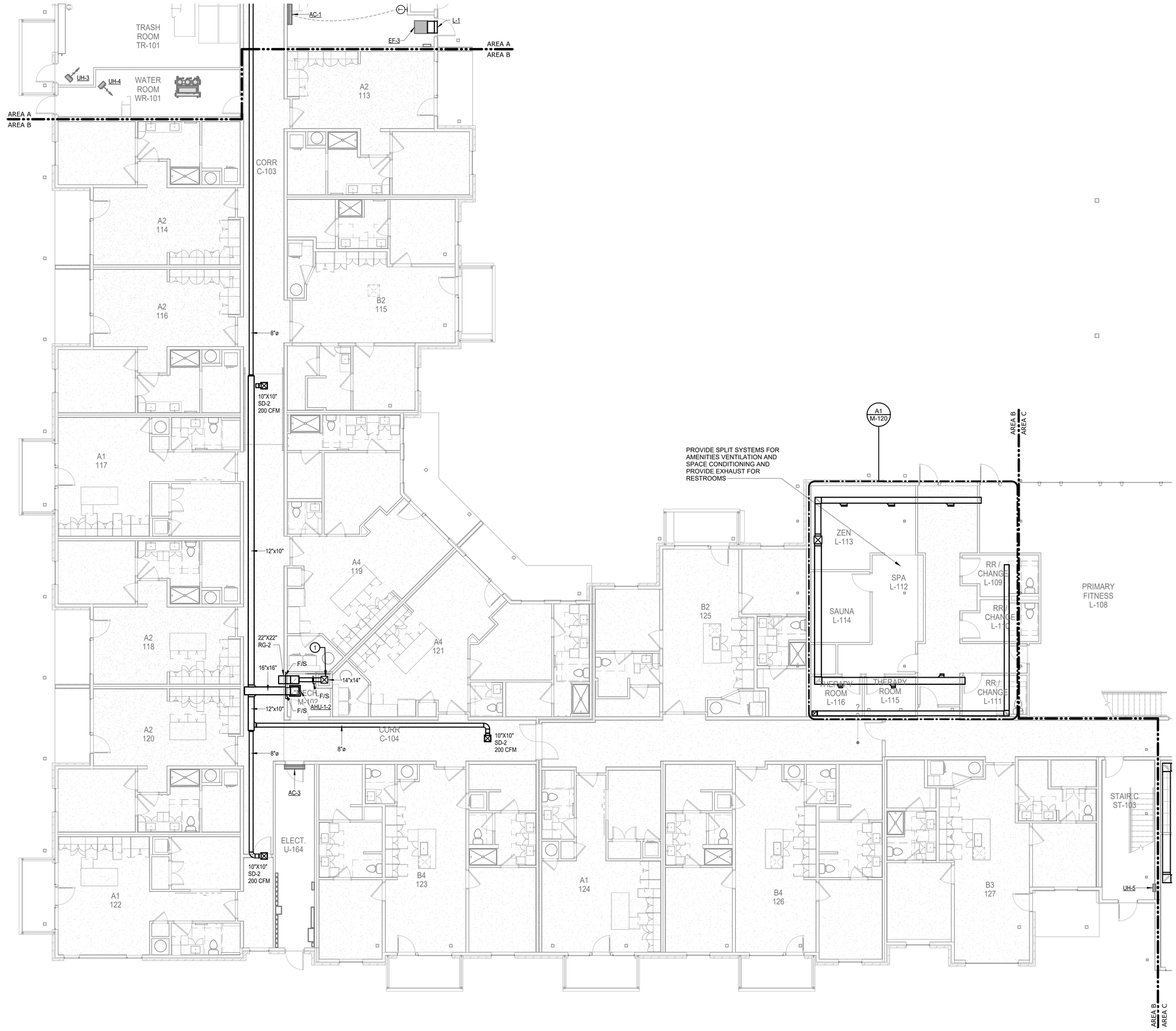


A1 FIRST FLOOR - HVAC PLAN - AREA B
1/8" = 1'-0"

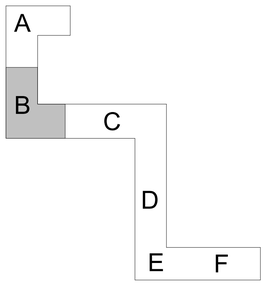
GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

PLAN NOTES:

(1) 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

KEY PLAN



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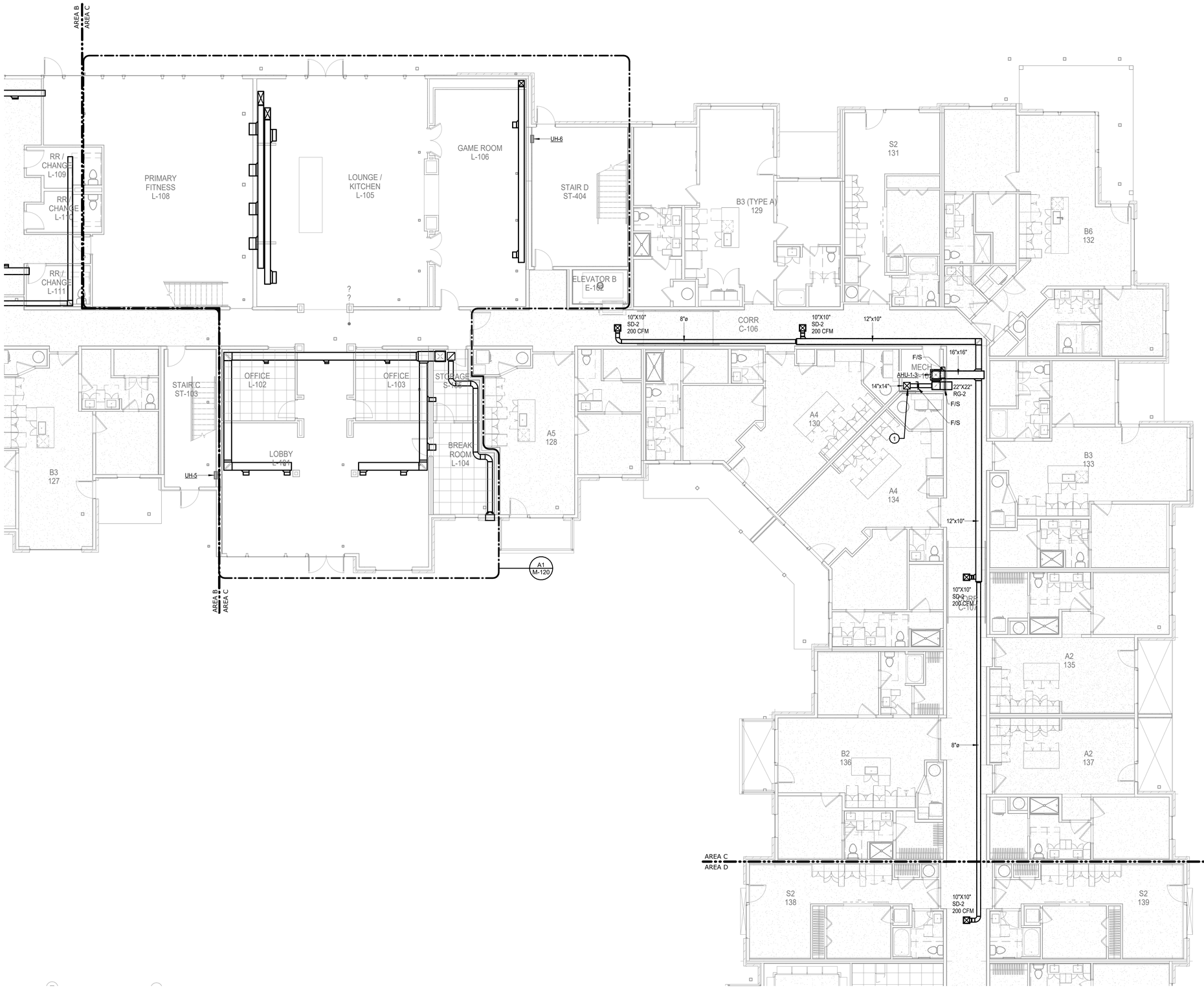
FIRST FLOOR - HVAC PLAN - AREA B



A1 FIRST FLOOR - HVAC PLAN - AREA C
1/8" = 1'-0"

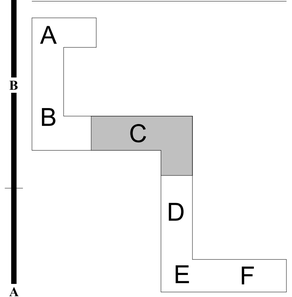
GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

PLAN NOTES:

1. 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

KEY PLAN



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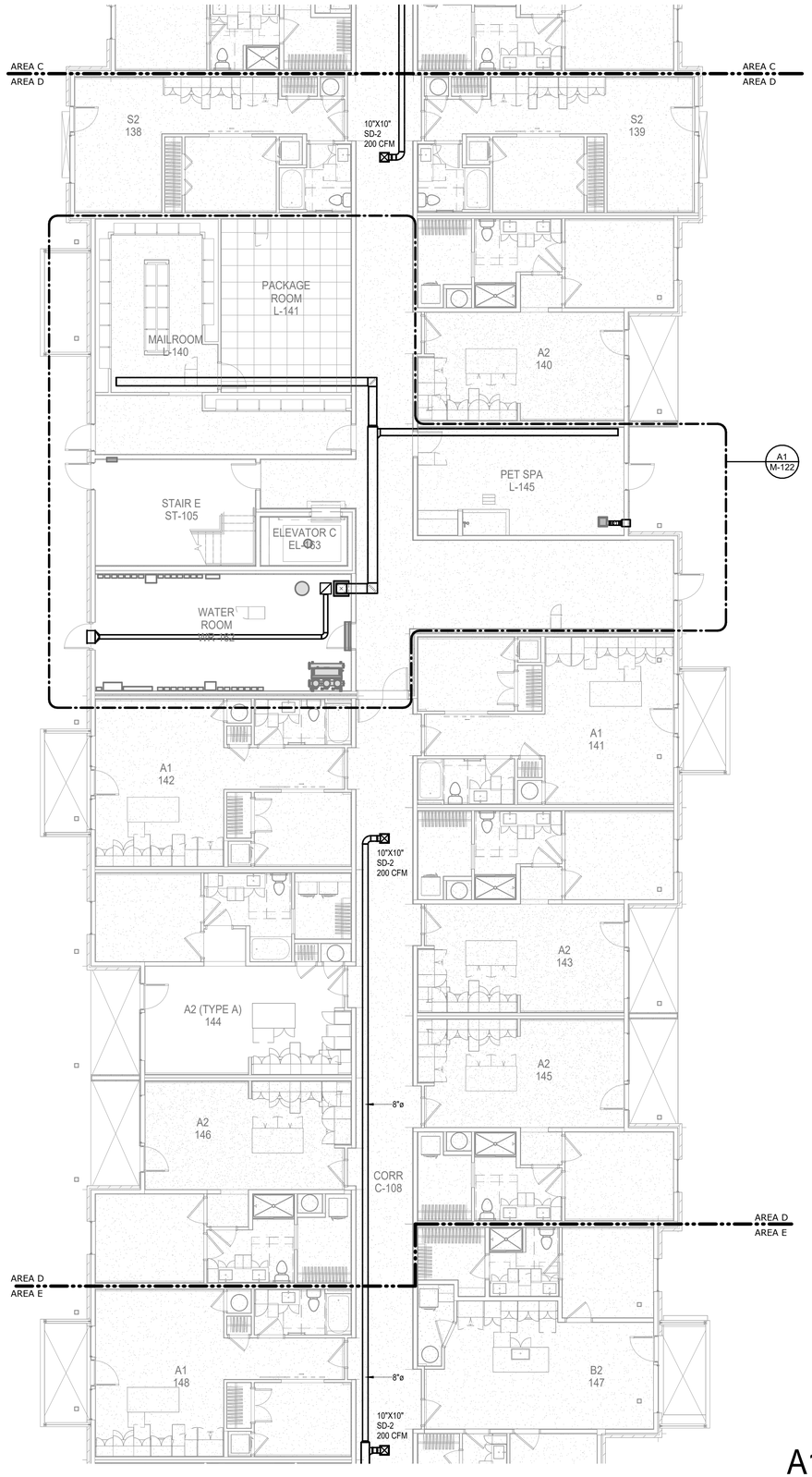
FIRST FLOOR - HVAC PLAN - AREA C

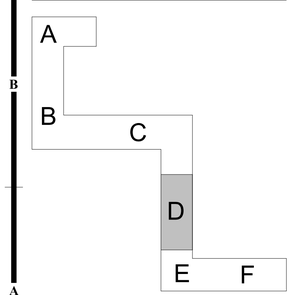


A1 FIRST FLOOR - HVAC PLAN - AREA D
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

KEY PLAN



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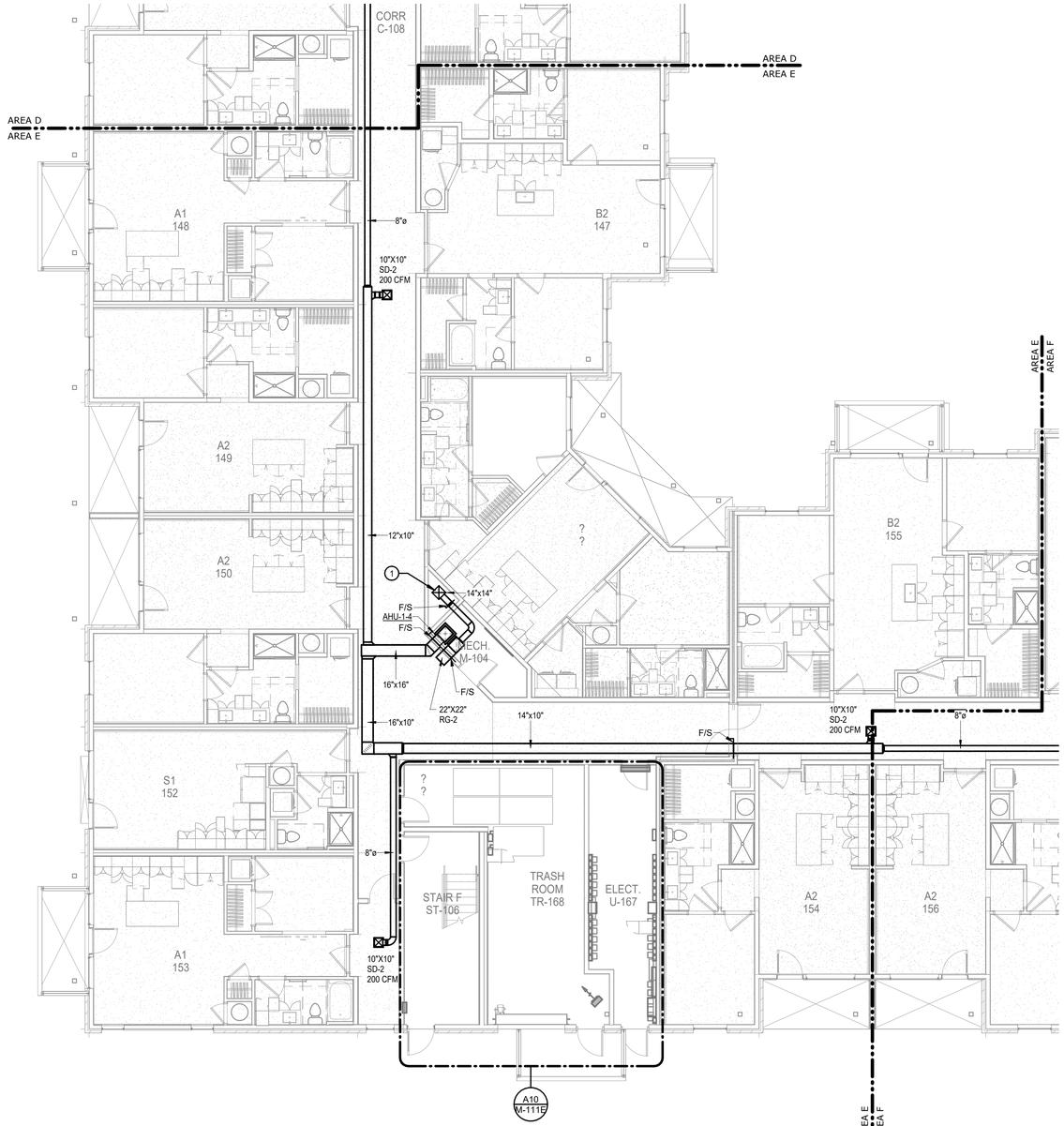
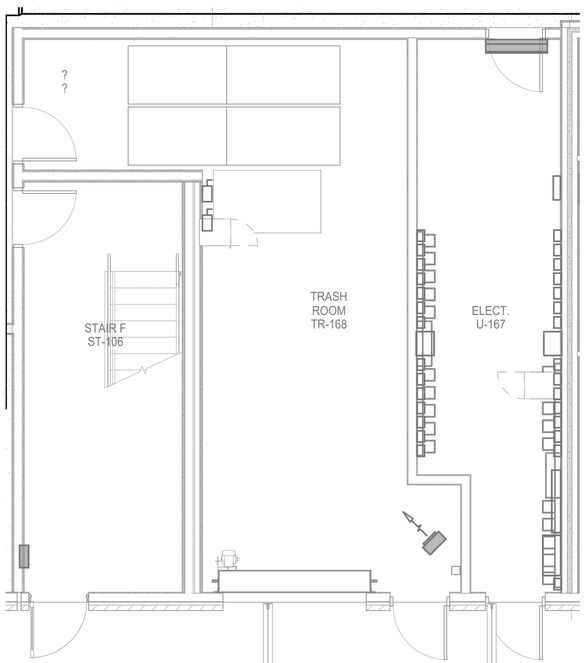
FIRST FLOOR - HVAC PLAN - AREA D





A10 ENLARGED HVAC PLAN - FIRST FLOOR - TRASH & ELEC. ROOM - AREA E
1/4" = 1'-0" D1 / M-111A

A1 FIRST FLOOR - HVAC PLAN - AREA E
1/8" = 1'-0"

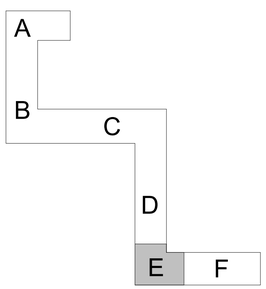
GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

PLAN NOTES:

(1) 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

KEY PLAN



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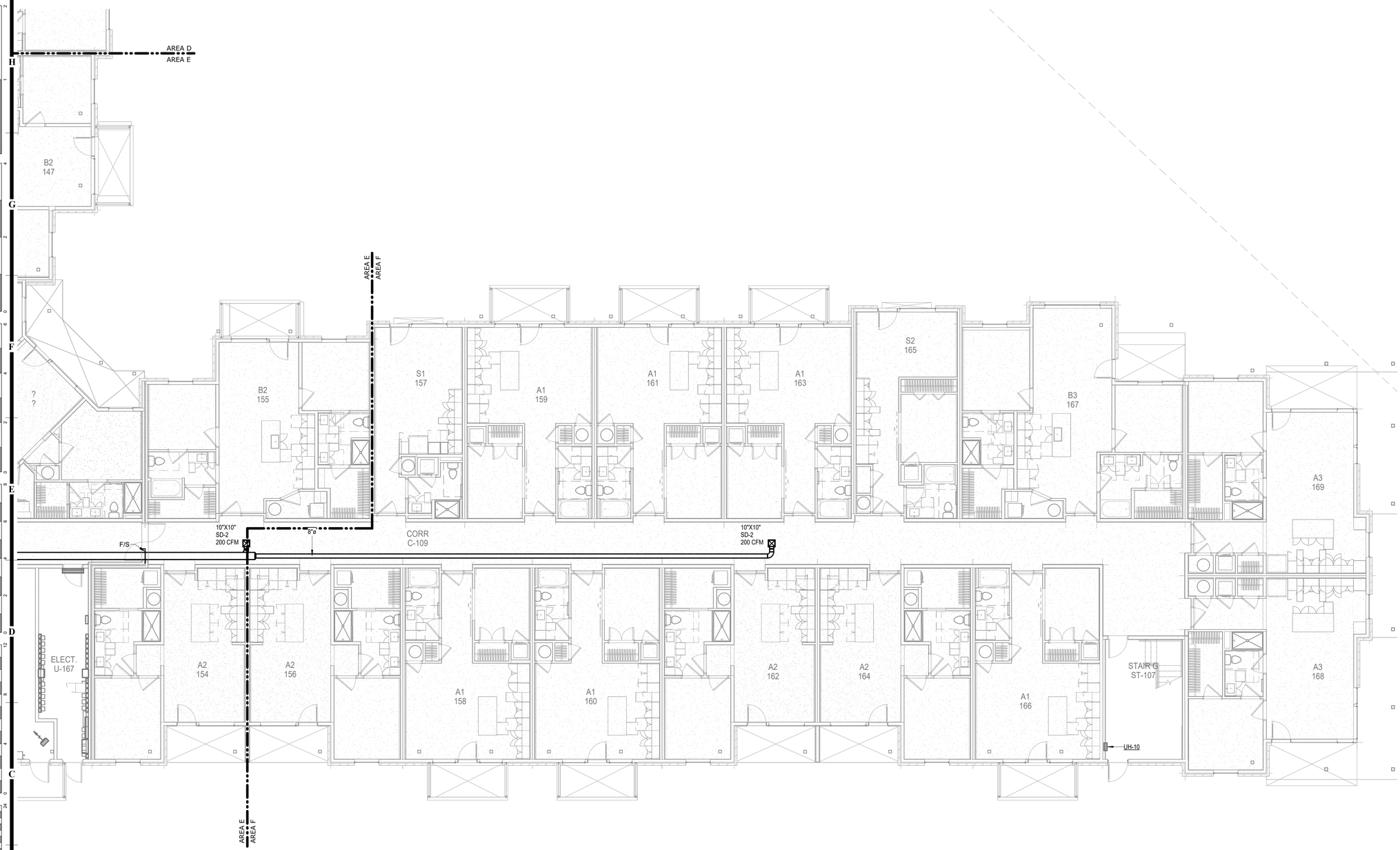
FIRST FLOOR - HVAC PLAN - AREA E



GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

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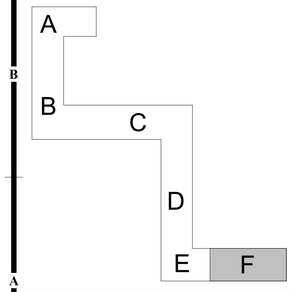

A1 FIRST FLOOR - HVAC PLAN - AREA F
1/8" = 1'-0"

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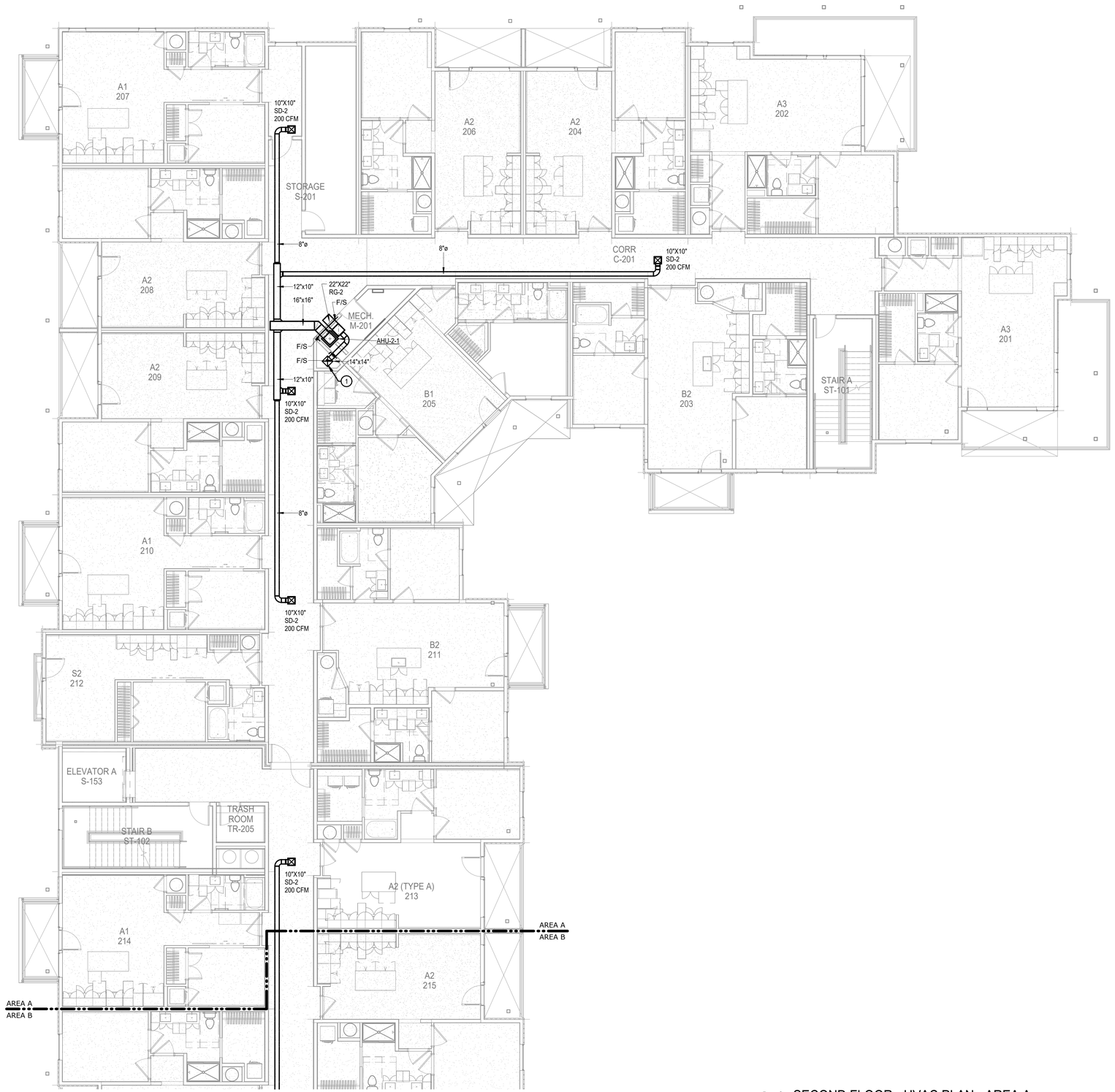
FIRST FLOOR - HVAC PLAN - AREA F



A1 SECOND FLOOR - HVAC PLAN - AREA A
1/8" = 1'-0"

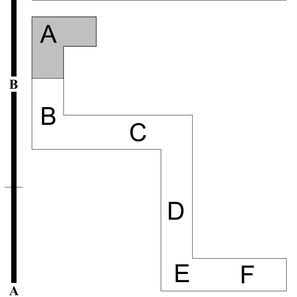
GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

PLAN NOTES:

1 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

KEY PLAN



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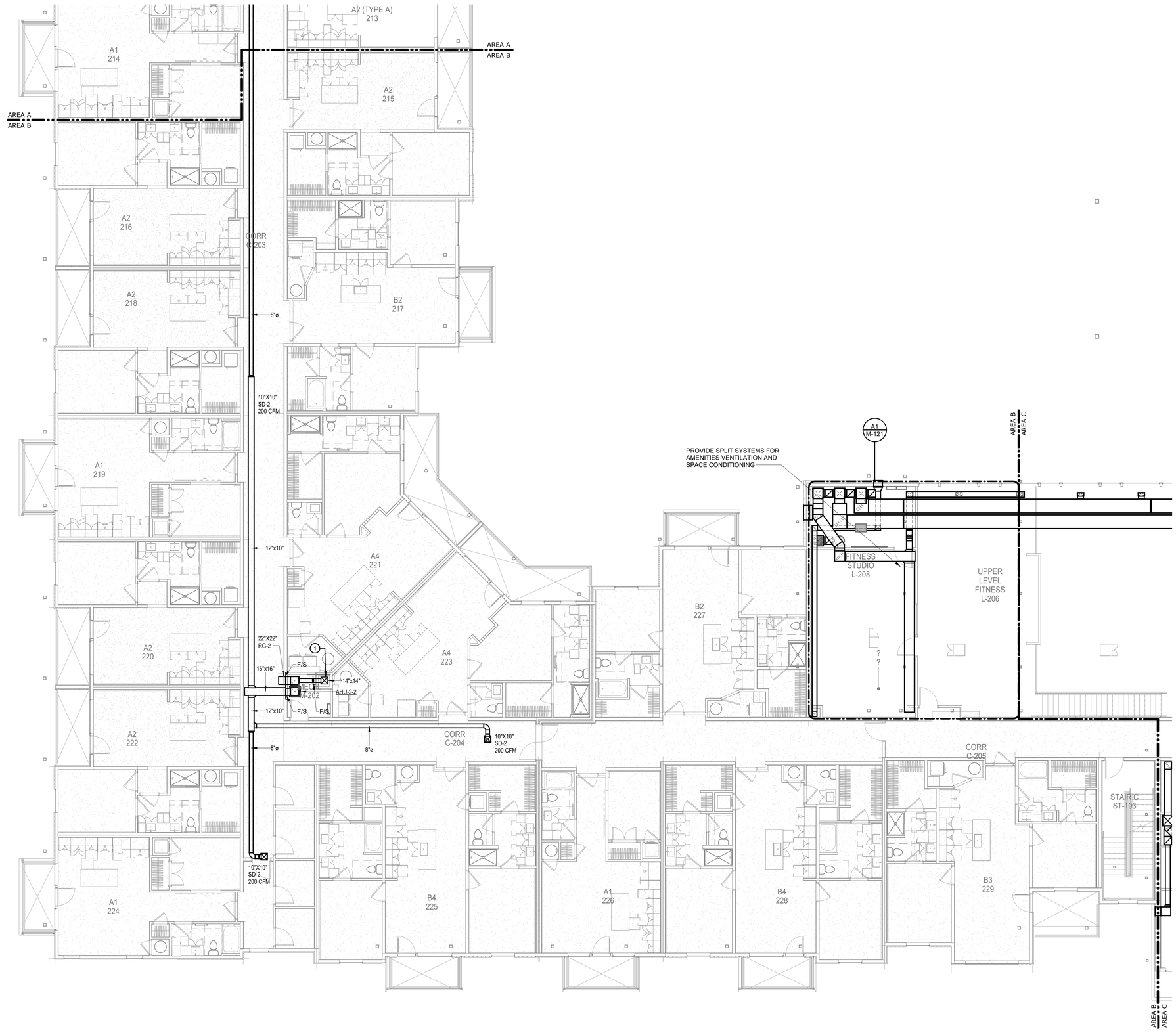
SECOND FLOOR - HVAC PLAN - AREA A



A1 SECOND FLOOR - HVAC PLAN - AREA B
1/8" = 1'-0"

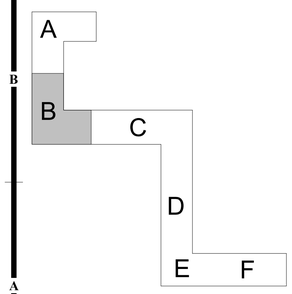
GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

PLAN NOTES:

(1) 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

KEY PLAN



SECOND FLOOR - HVAC PLAN - AREA B

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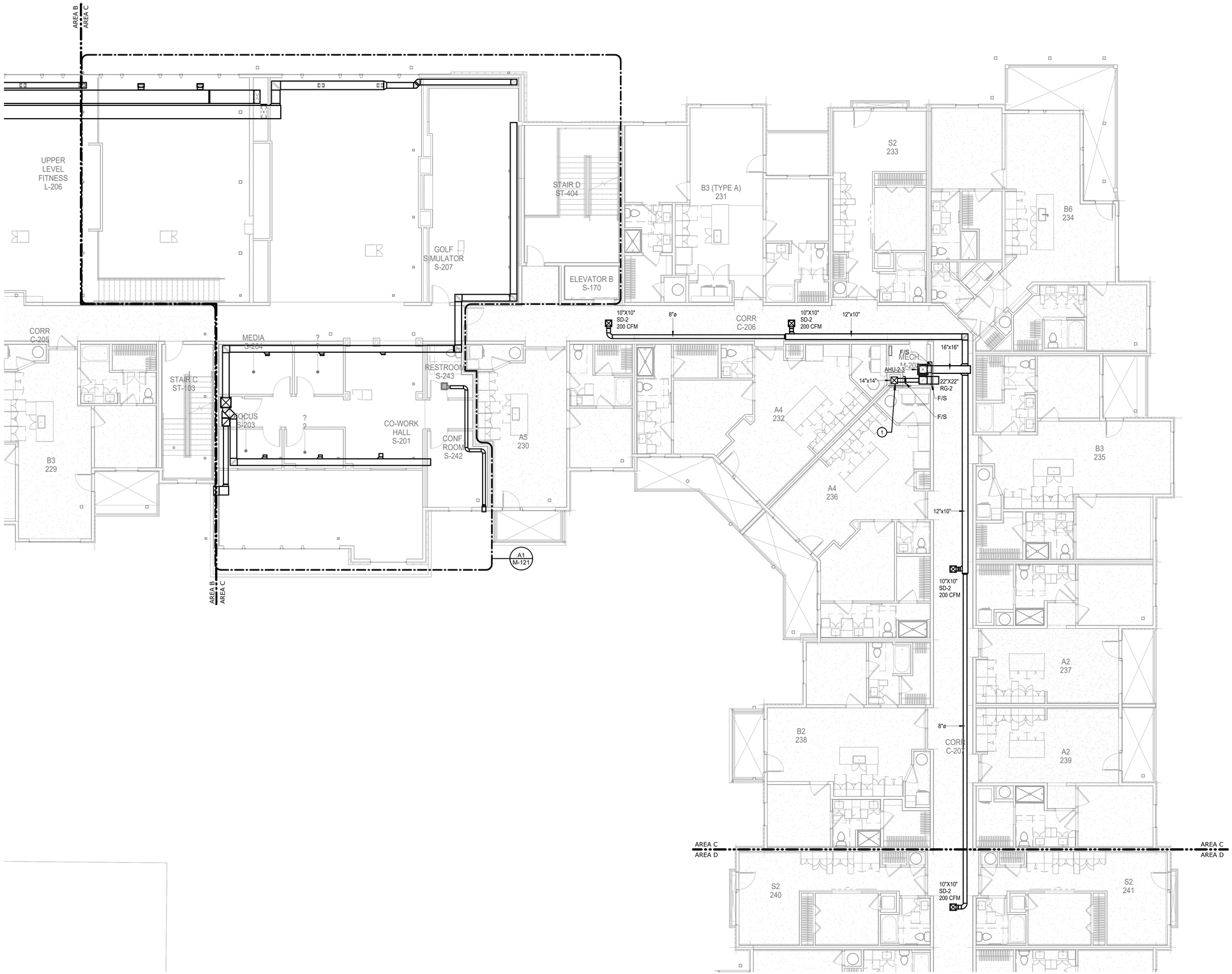


A1 SECOND FLOOR - HVAC PLAN - AREA C
1/8" = 1'-0"

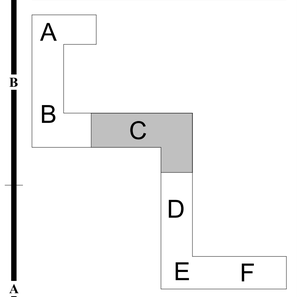
GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

PLAN NOTES:

1. 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

KEY PLAN



SECOND FLOOR - HVAC PLAN - AREA C

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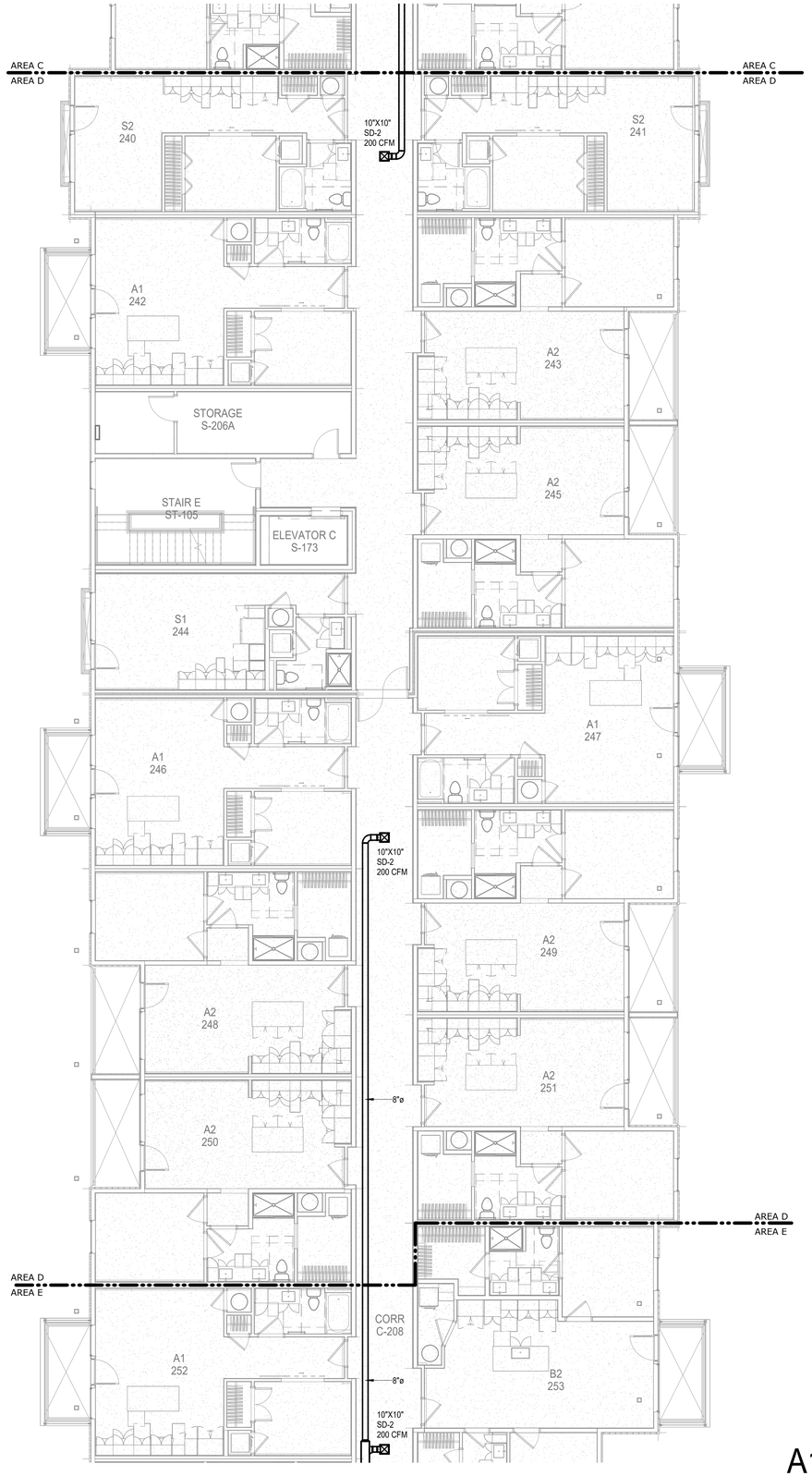
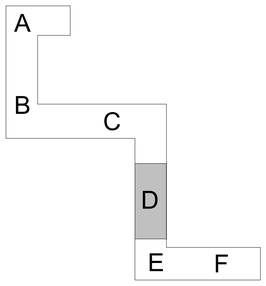


A1 SECOND FLOOR - HVAC PLAN - AREA D
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

KEY PLAN



SECOND FLOOR - HVAC PLAN - AREA D

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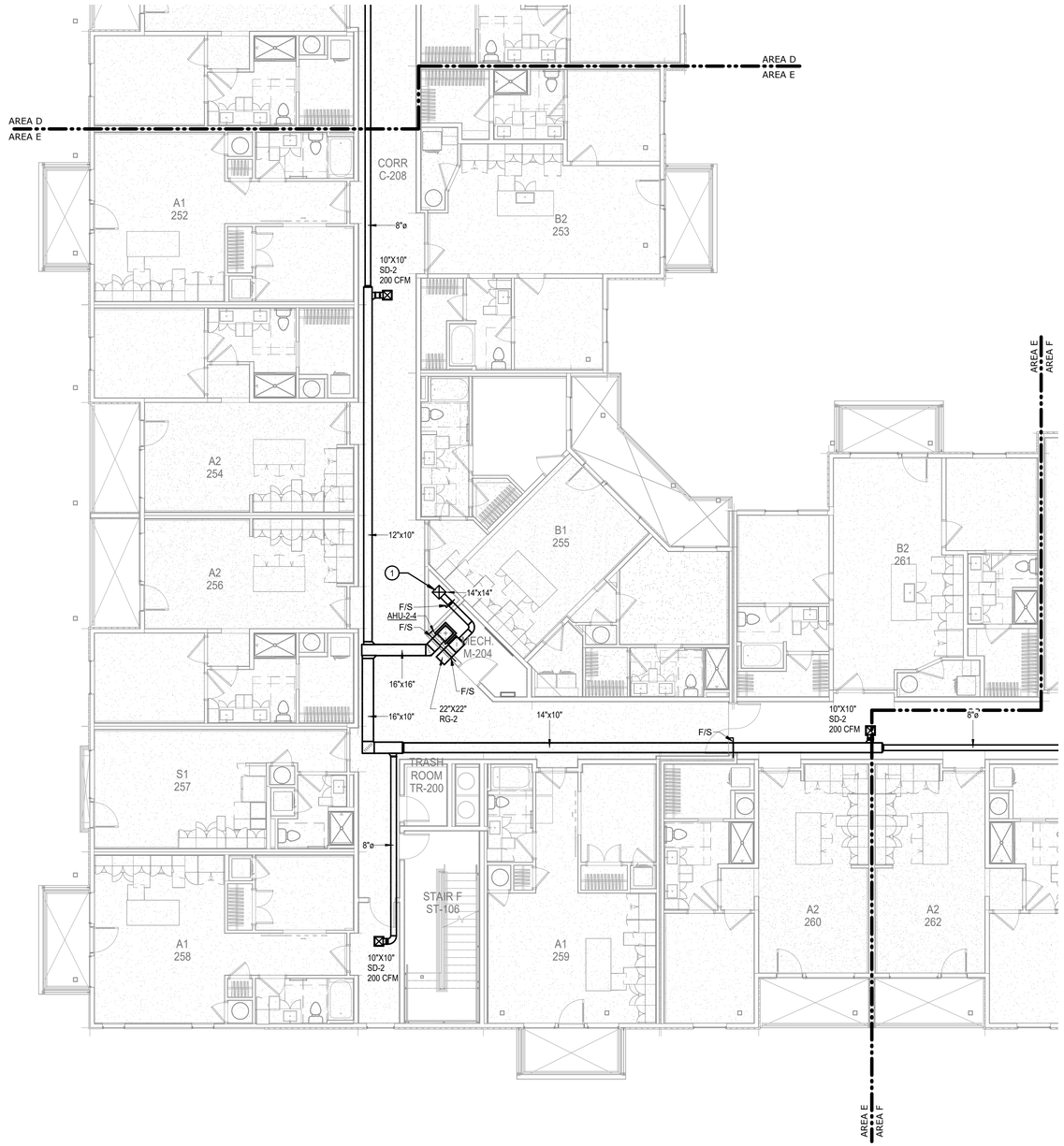


A1 SECOND FLOOR - HVAC PLAN - AREA E
1/8" = 1'-0"

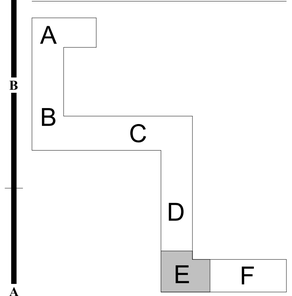
GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

PLAN NOTES:

(1) 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

KEY PLAN



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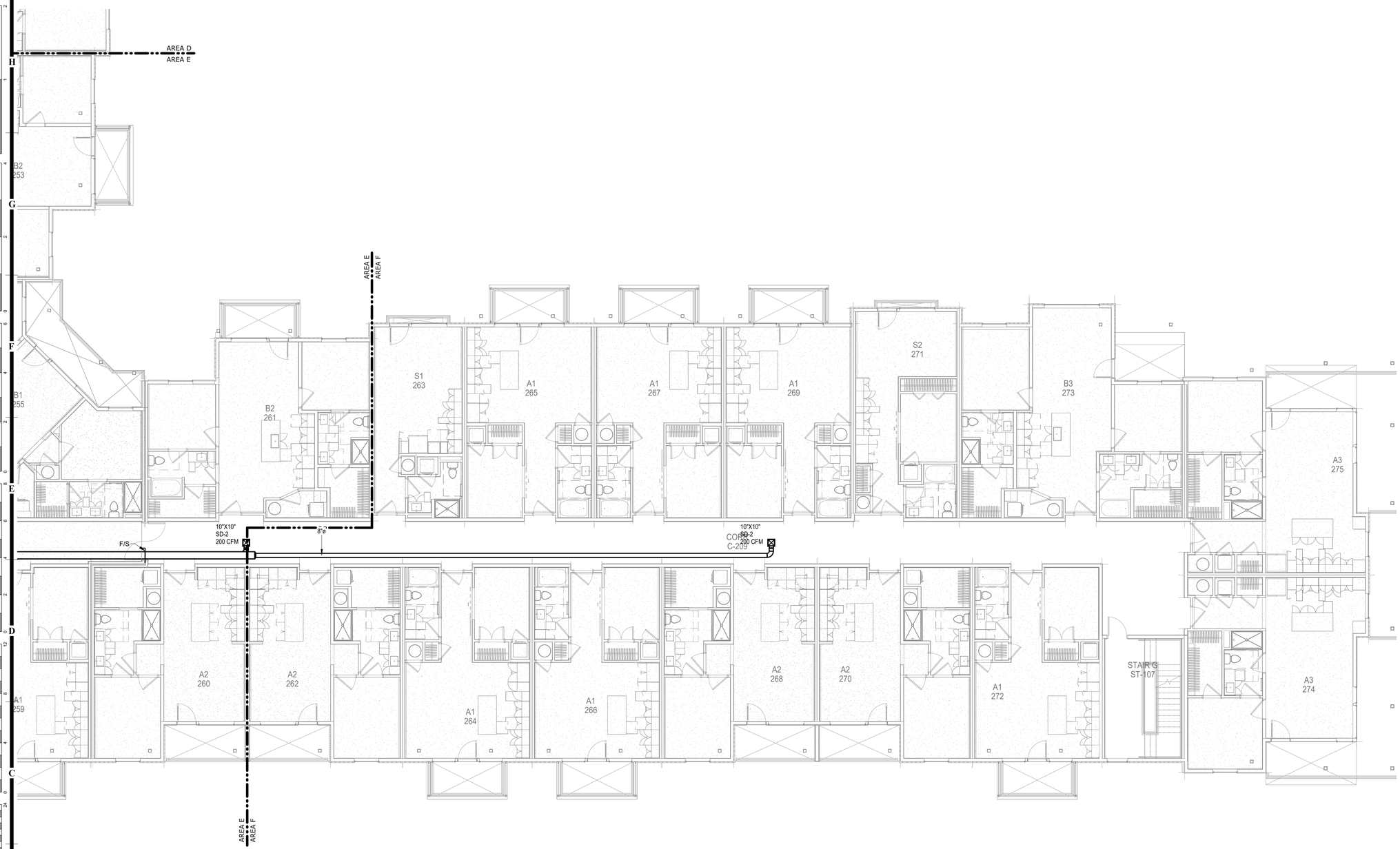
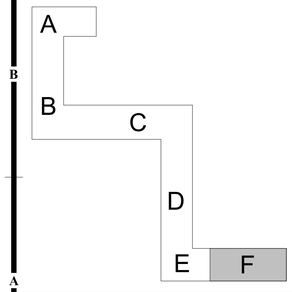
SECOND FLOOR - HVAC PLAN - AREA E



GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

KEY PLAN



A1 SECOND FLOOR - HVAC PLAN - AREA F
1/8" = 1'-0"

SECOND FLOOR - HVAC PLAN - AREA F

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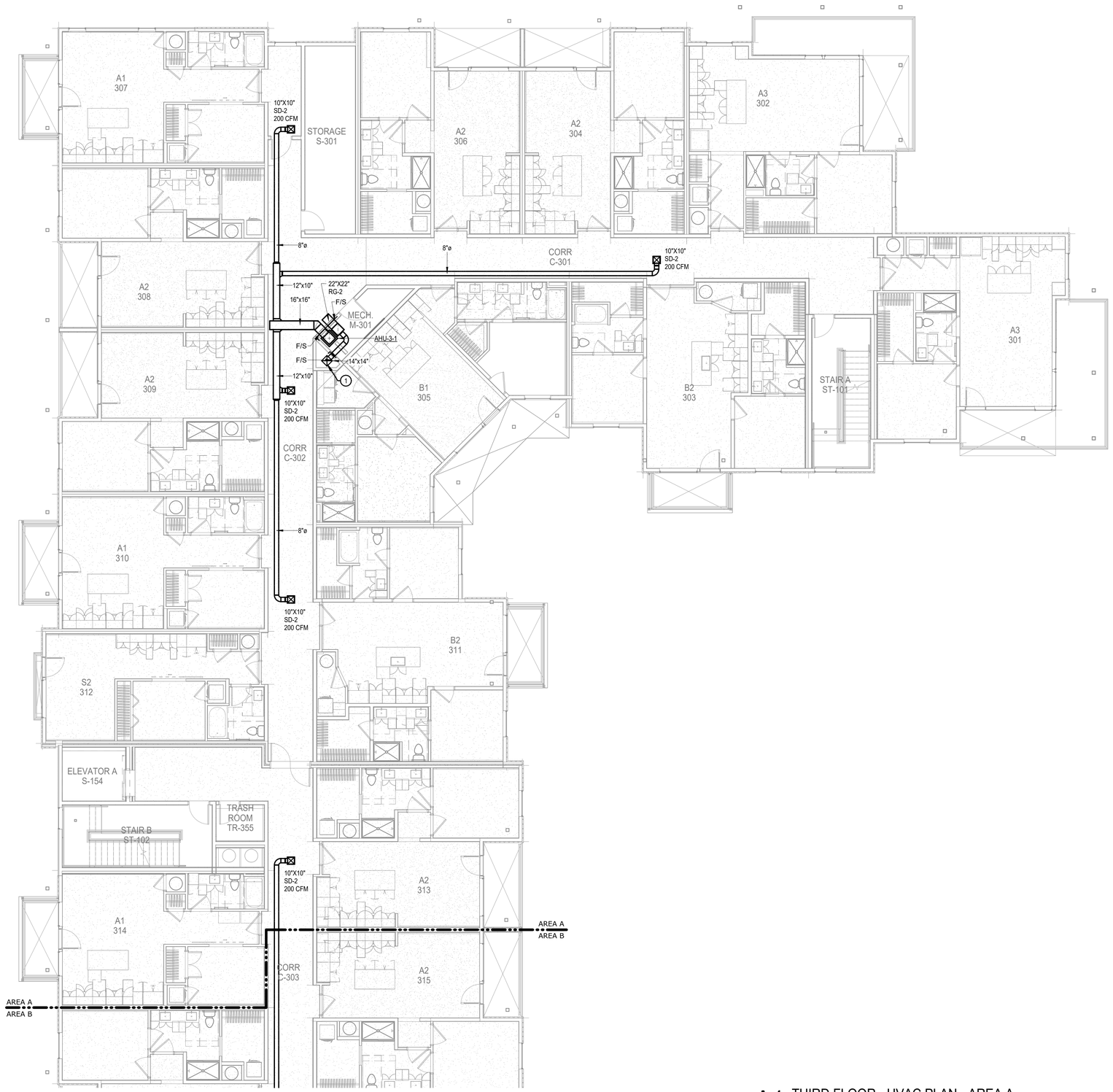


A1 THIRD FLOOR - HVAC PLAN - AREA A
1/8" = 1'-0"

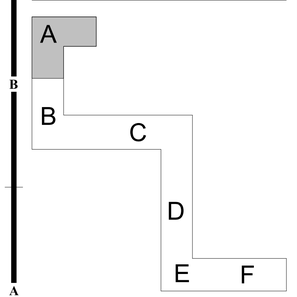
GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

PLAN NOTES:

1 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

KEY PLAN



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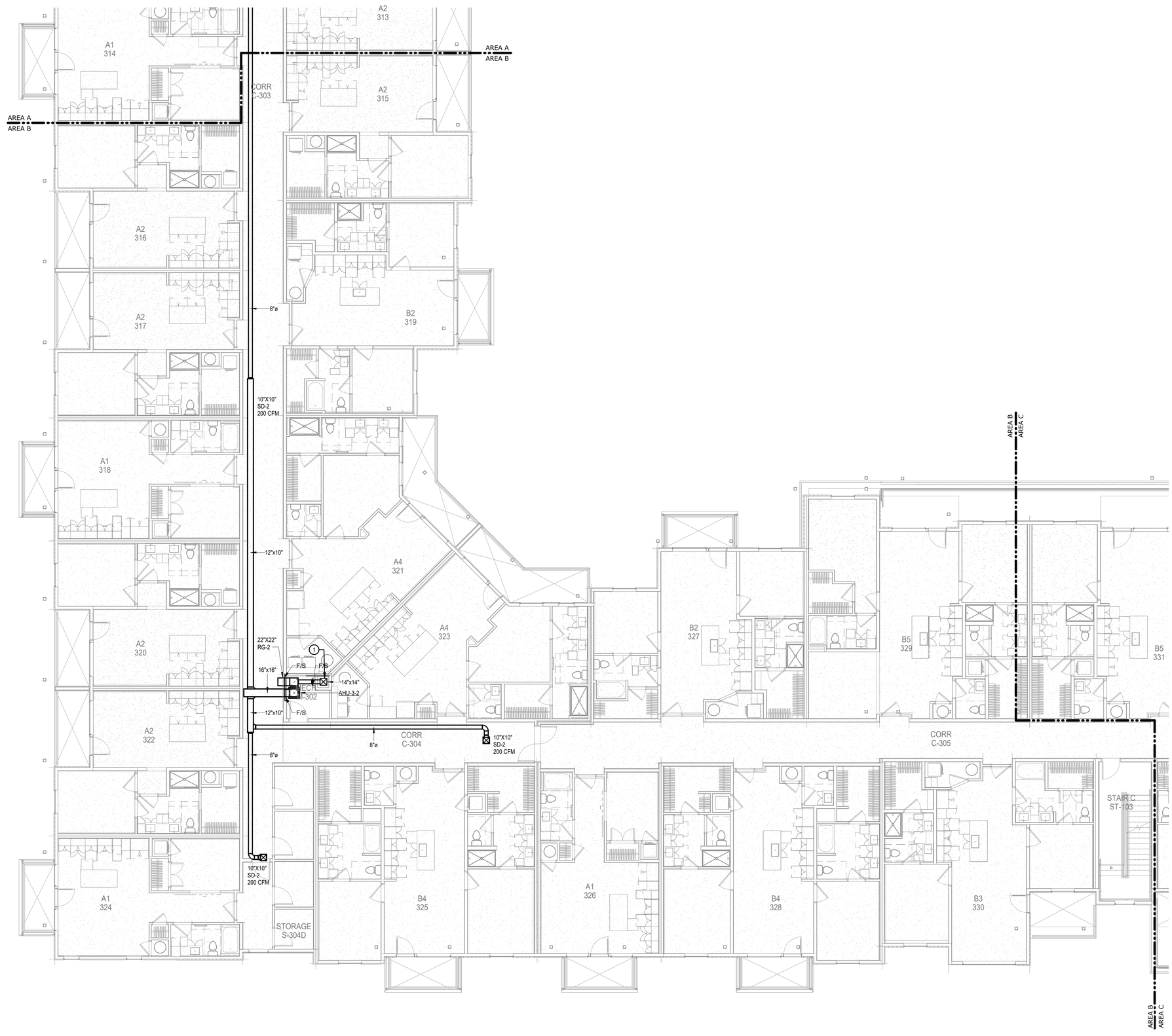
THIRD FLOOR - HVAC PLAN - AREA A



A1 THIRD FLOOR - HVAC PLAN - AREA B
1/8" = 1'-0"

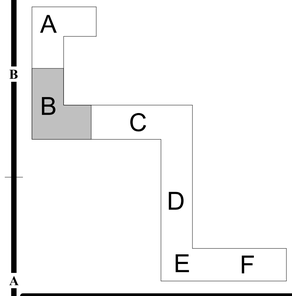
GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

PLAN NOTES:

(1) 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

KEY PLAN



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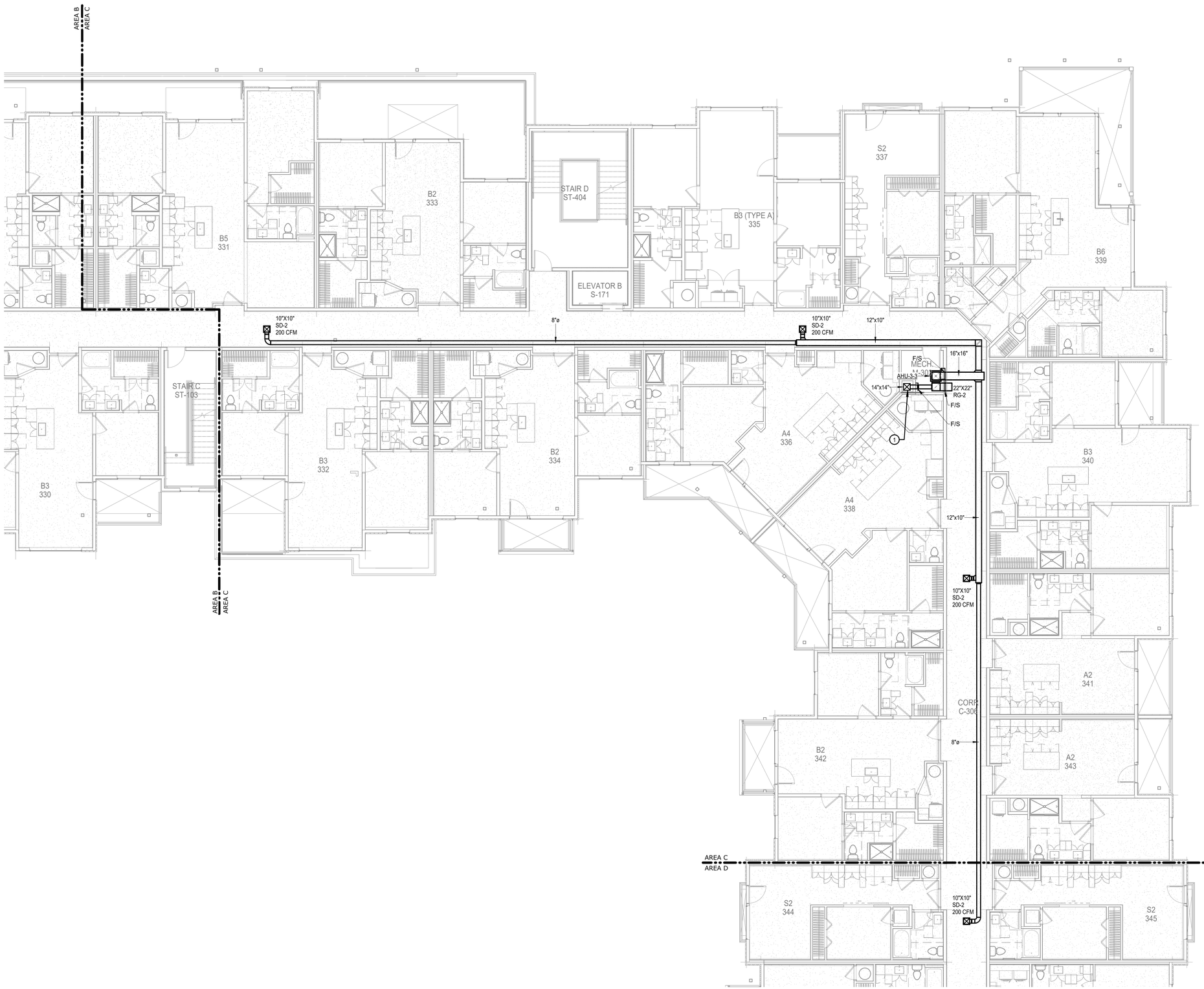
THIRD FLOOR - HVAC PLAN - AREA B



A1 THIRD FLOOR - HVAC PLAN - AREA C
1/8" = 1'-0"

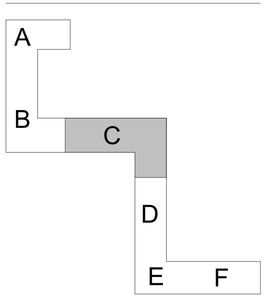
GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

PLAN NOTES:

1. 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

KEY PLAN



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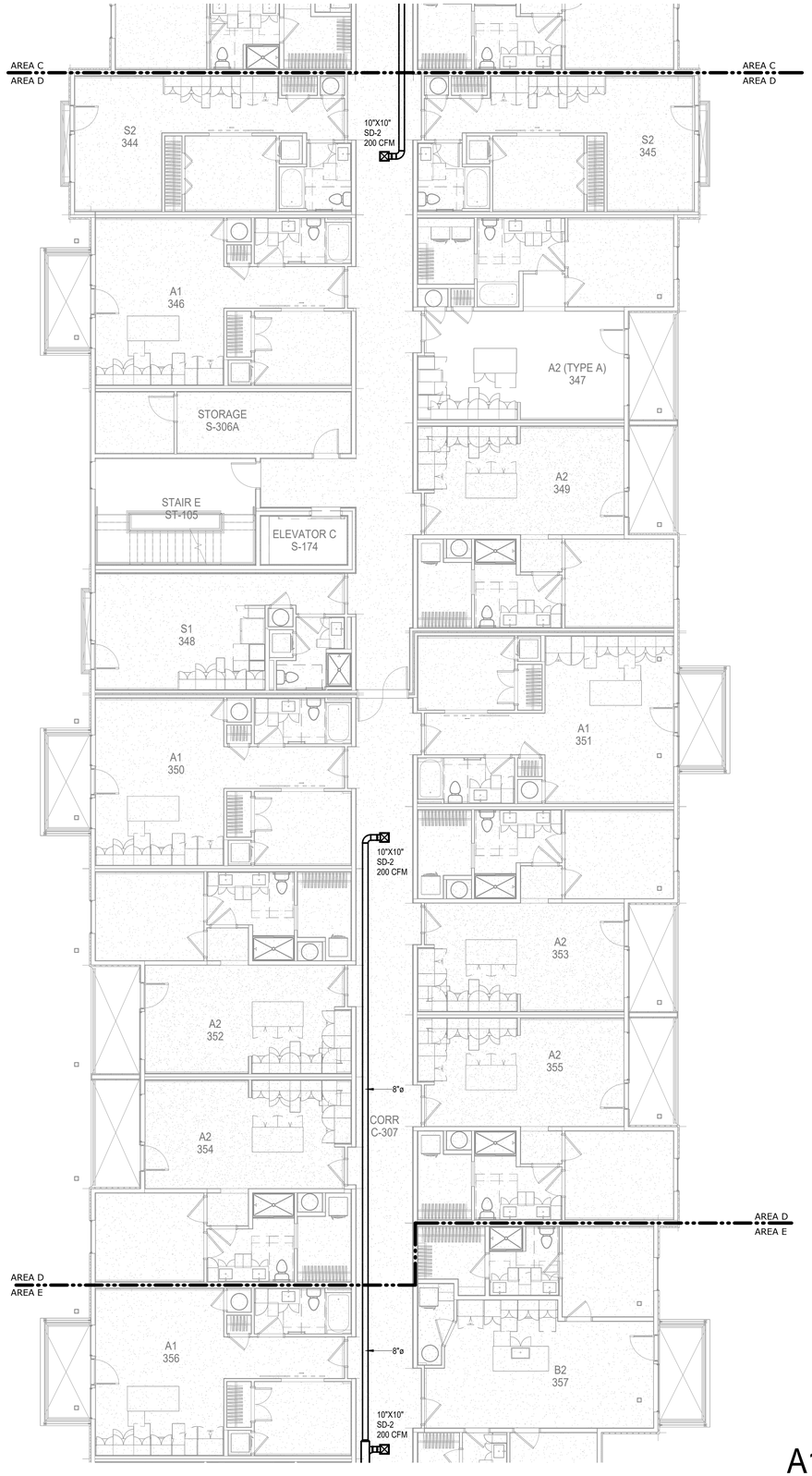
THIRD FLOOR - HVAC PLAN - AREA C

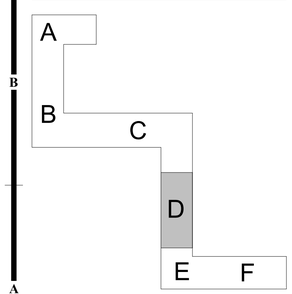


A1 THIRD FLOOR - HVAC PLAN - AREA D
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

KEY PLAN



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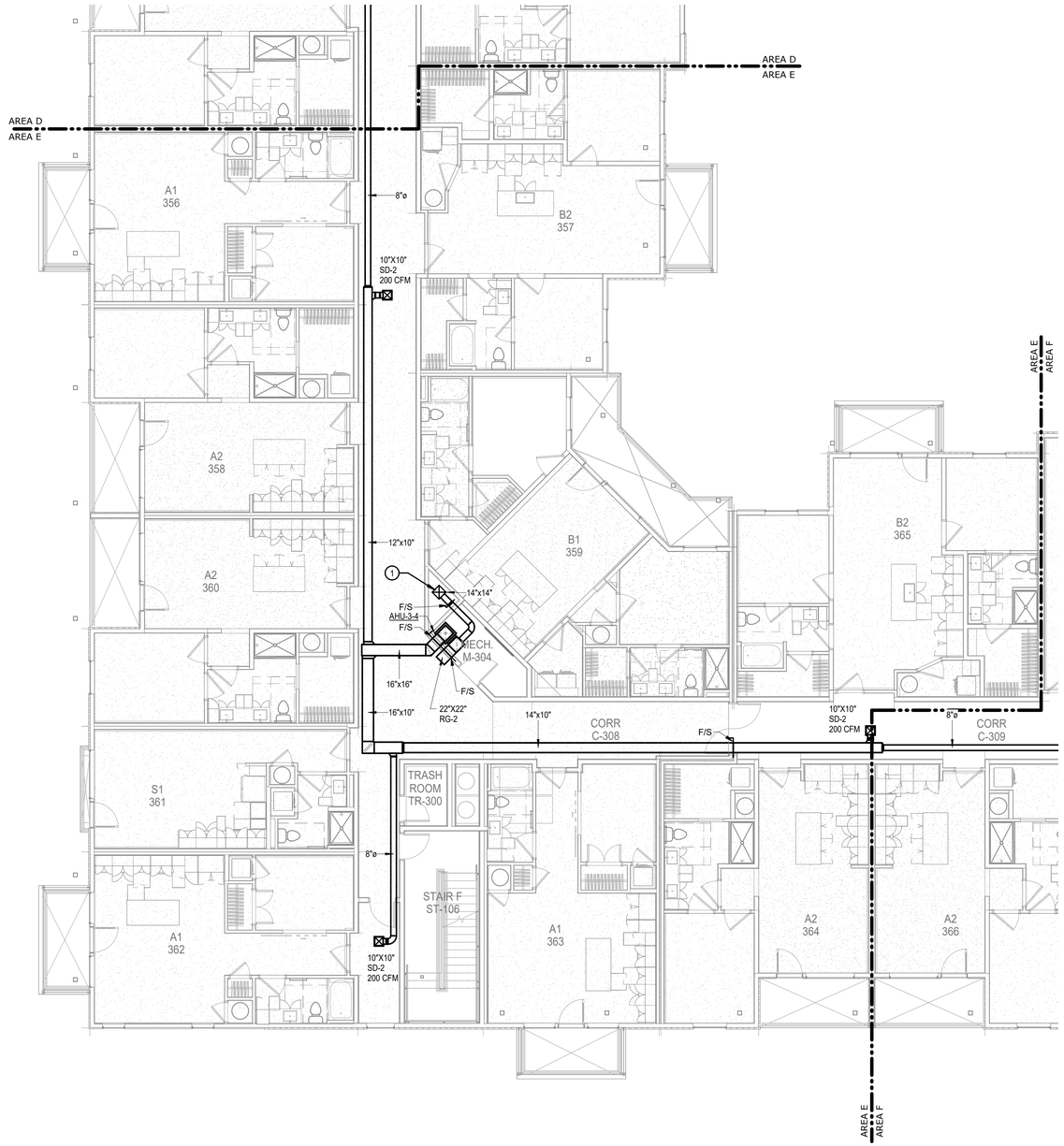
THIRD FLOOR - HVAC PLAN - AREA D



A1 THIRD FLOOR - HVAC PLAN - AREA E
1/8" = 1'-0"

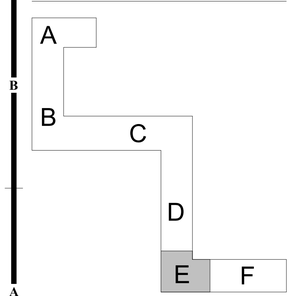
GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

PLAN NOTES:

(1) 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

KEY PLAN



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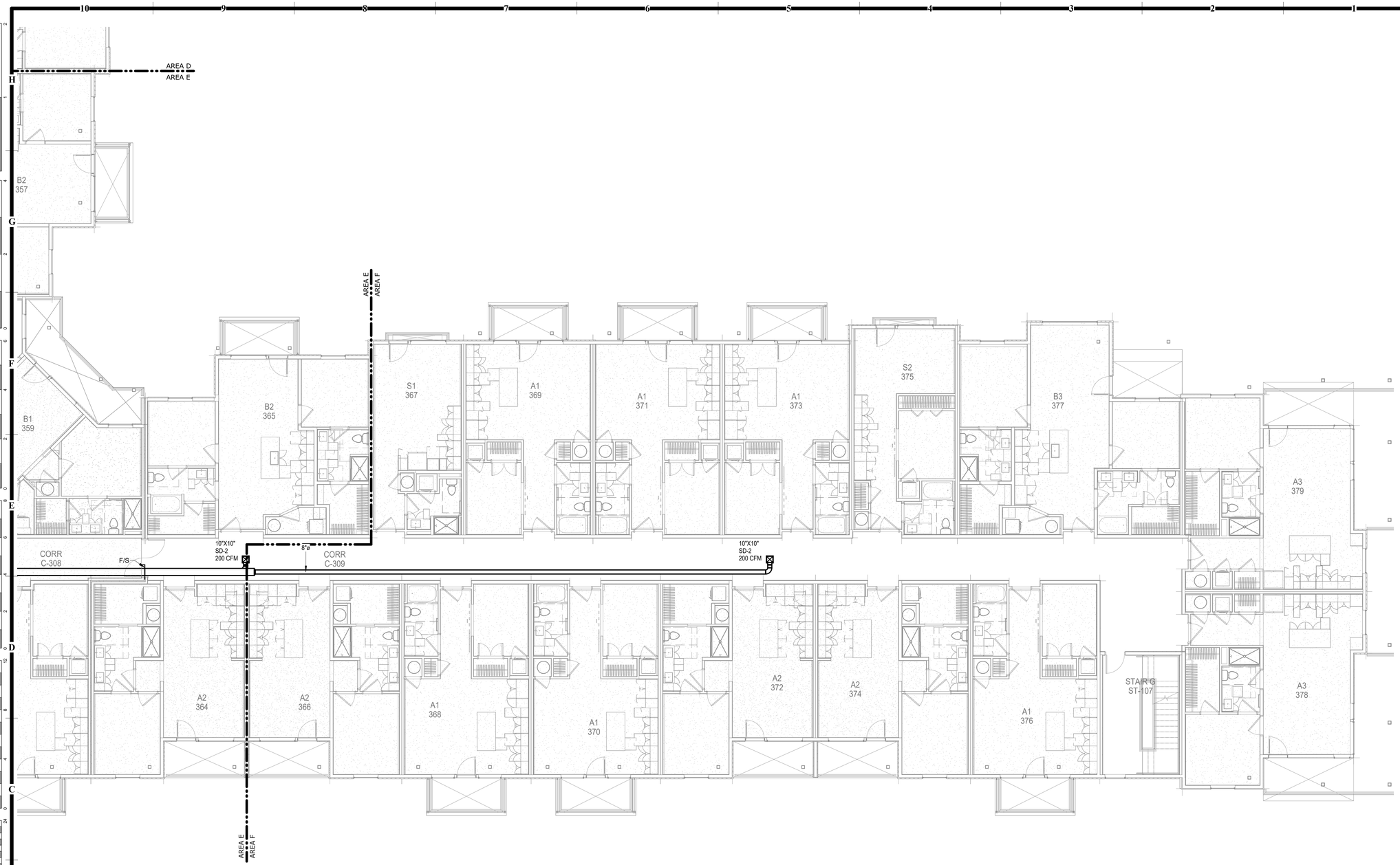
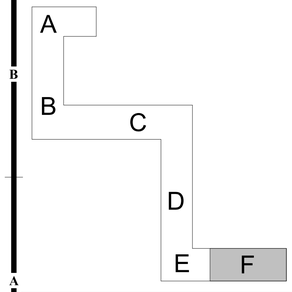
THIRD FLOOR - HVAC PLAN - AREA E



GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

KEY PLAN



A1 THIRD FLOOR - HVAC PLAN - AREA F
1/8" = 1'-0"

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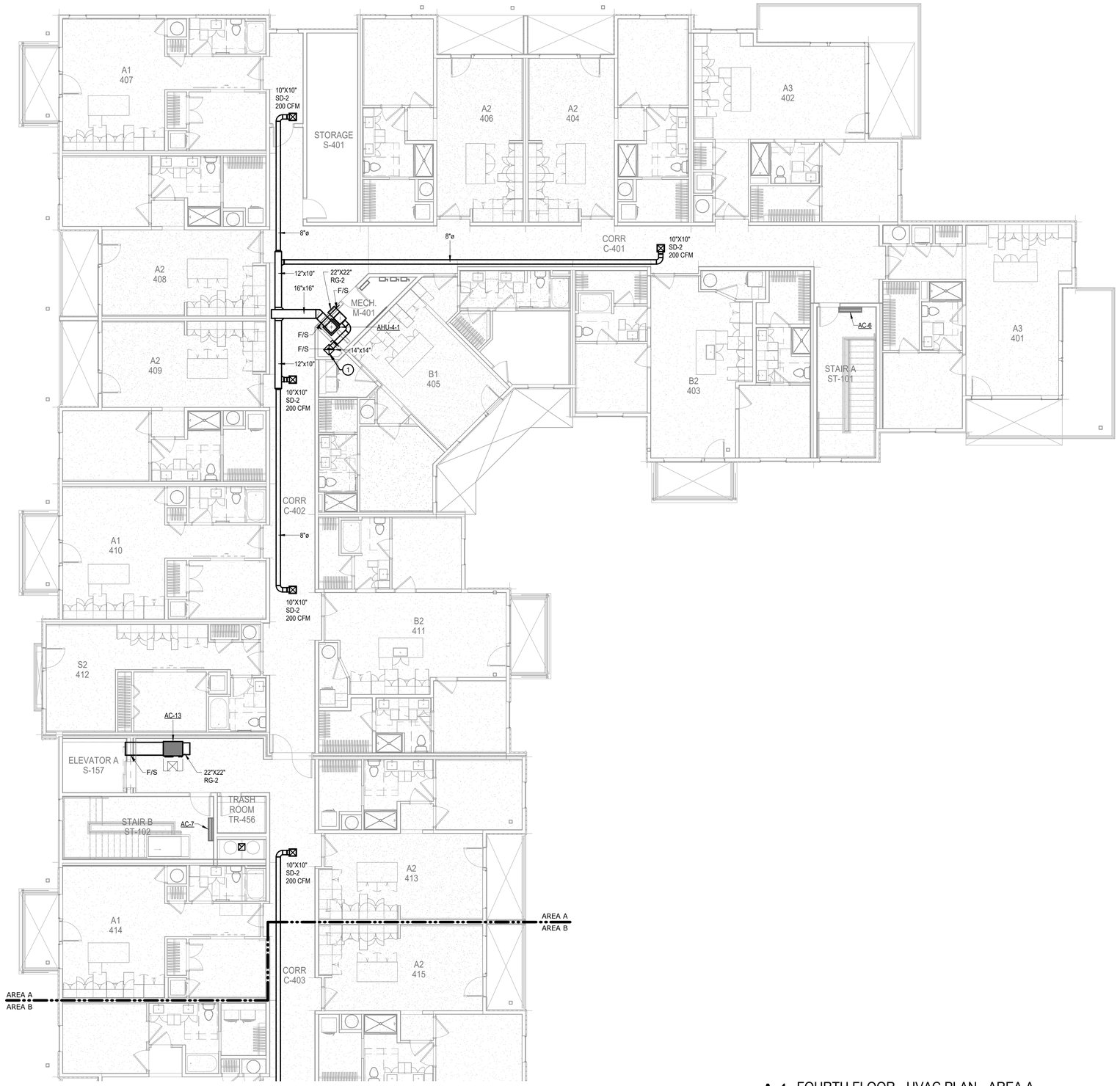
THIRD FLOOR - HVAC PLAN - AREA F



GENERAL NOTES:

1. REFER TO SHEET M-11A FOR GENERAL NOTES.

PLAN NOTES:

1 14"X14" OUTSIDE AIR DUCT UP/DOWN IN CHASE. COORDINATE WITH ARCHITECT.

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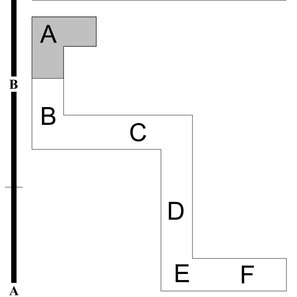
KEY PLAN



FOURTH FLOOR - HVAC PLAN - AREA A

A1 FOURTH FLOOR - HVAC PLAN - AREA A
1/8" = 1'-0"