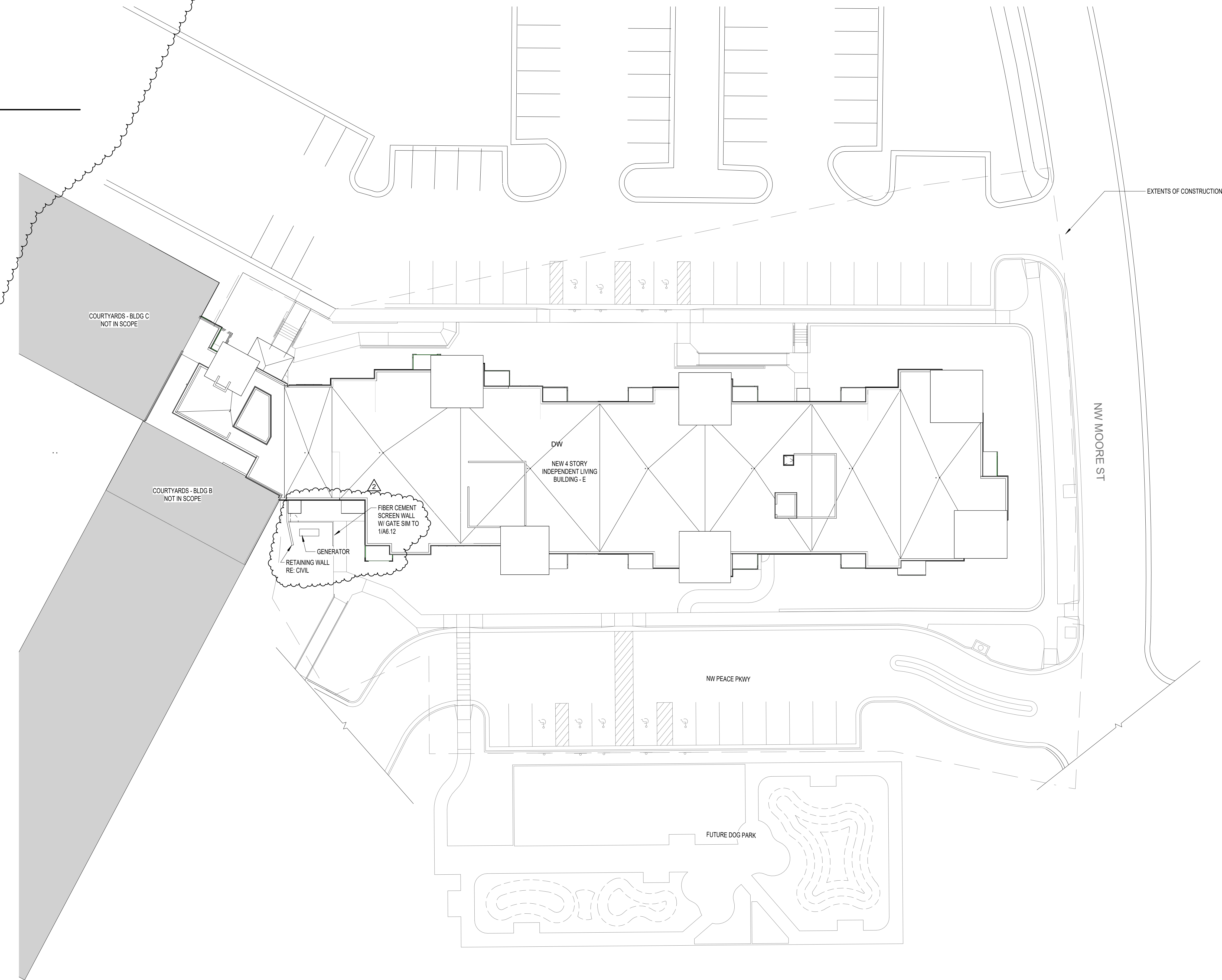


2 TEMPORARY EGRESS PLAN

1" = 40'-0"

EGRESS COORDINATION DURING CONSTRUCTION

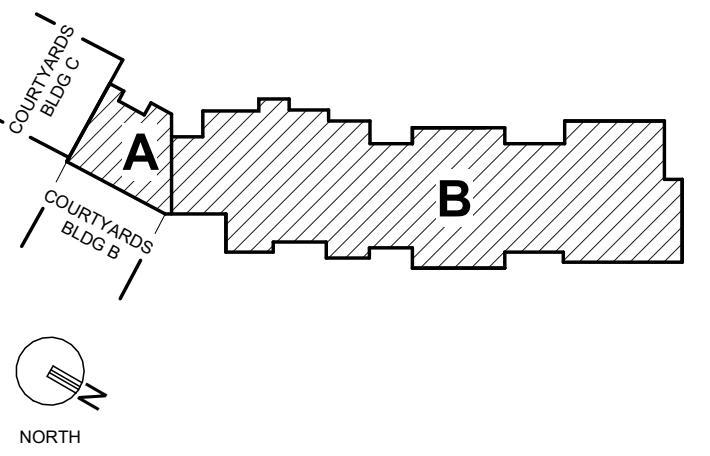
1. FINAL PLANS TO BE WORKED OUT WITH THE GENERAL CONTRACTOR
2. MAINTAIN EXISTING STAIRS AND EGRESS PATH (PROTECTED) AS LONG AS POSSIBLE.
3. EGRESS BACK THROUGH EXISTING B AND C BUILDINGS TO BE MAINTAINED THROUGHOUT CONSTRUCTION
4. TEMPORARY CONVENIENCE ACCESS TO MOORE ST PARKING LOT WILL BE DISCUSSED WITH GENERAL CONTRACTOR AND JOHN KNOX VILLAGE AT A LATER DATE.



1 SITE PLAN

1" = 20'-0"

KEYPLAN



GENERAL NOTES

ARCHITECTURAL SITE PLAN IS FOR REFERENCE ONLY. RE: CIVIL DRAWINGS FOR ACTUAL CONDITIONS.

PERMIT SET



PROJECT TITLE



COURTYARDS - BUILDING E

SFCS

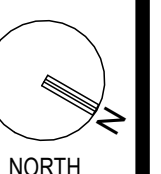
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

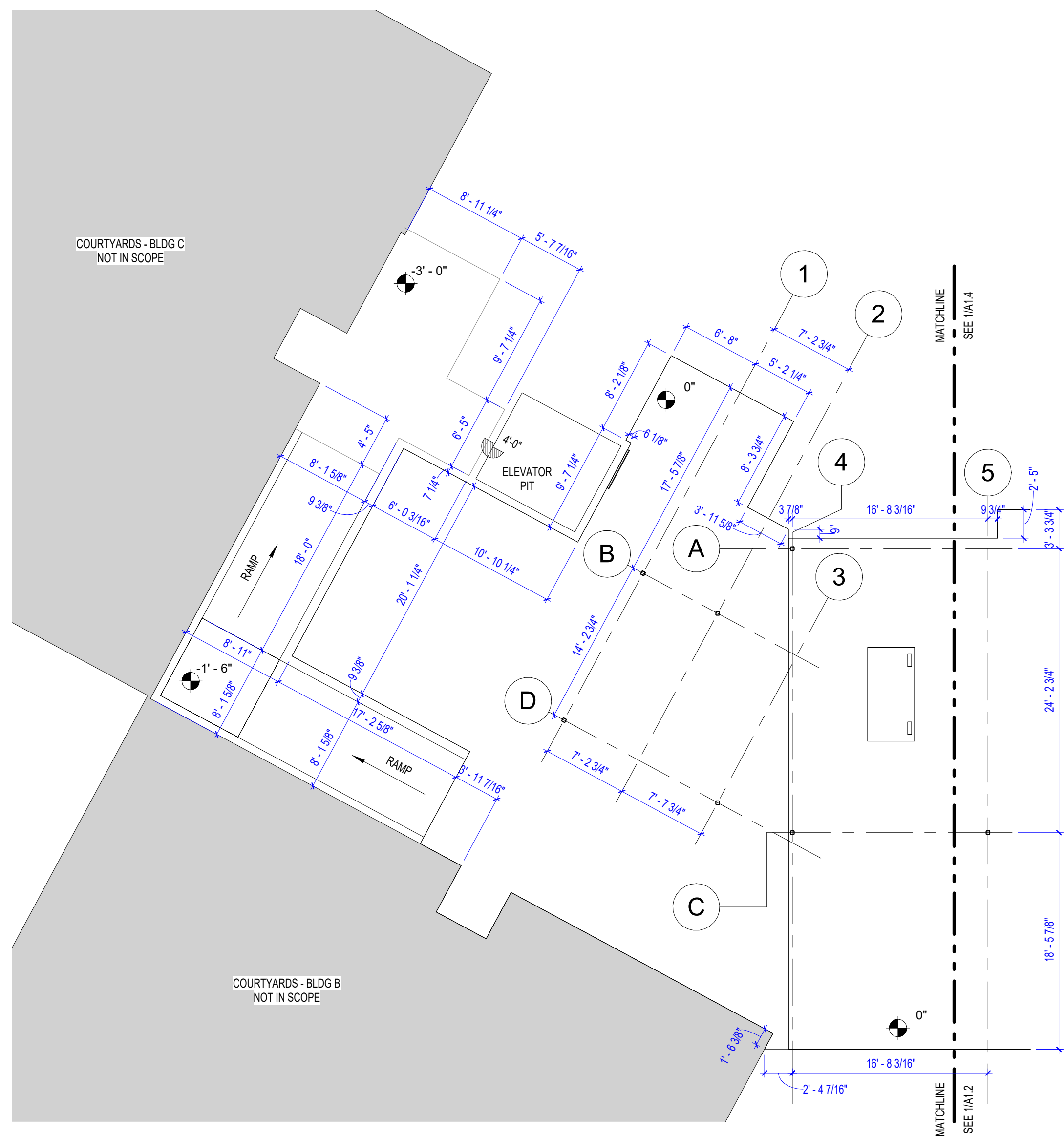
SIGNER : DAS	DRAWN : DAS	
ARCHITECT : DAS	CHECKED : AAT	
ENGINEER :	APPROVED : CRJ	
REVISION DESCRIPTION		DATE
Rev 1 - Permit Comments		02/15/24

DRAWING TITLE

ARCHITECTURAL SITE PLAN

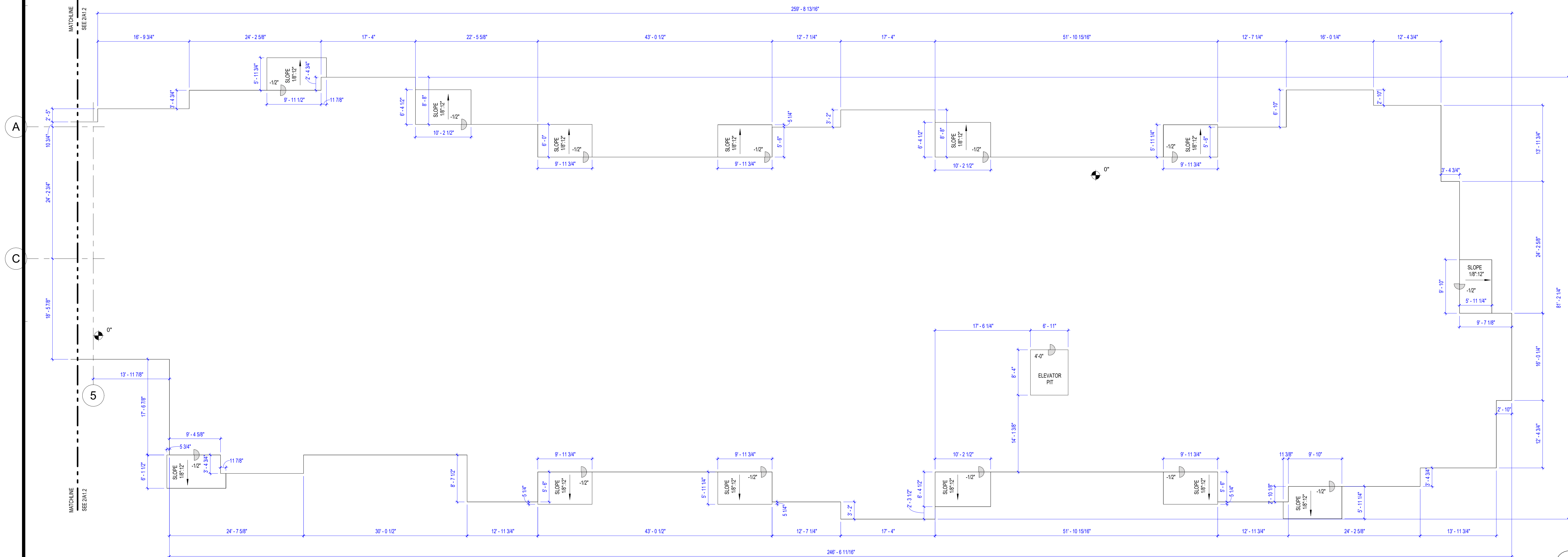
DATE:	January 5, 2024	DRAWING
COMM. NO.	23104.00	A1.1





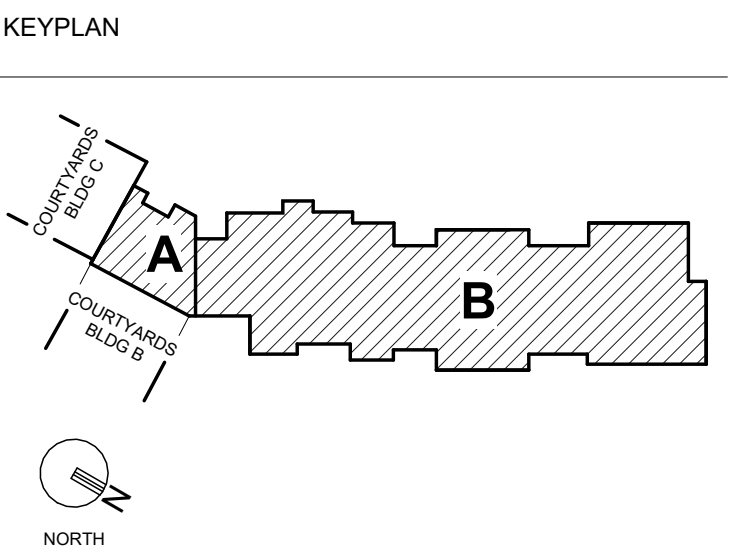
ATRIUM - FIRST FLOOR PLAN EDGE OF SLAB

2
1/8" = 1'-0"



FIRST FLOOR PLAN - IL UNITS EDGE OF SLAB

1
1/8" = 1'-0"



GENERAL NOTES

- EDGE OF SLAB DIMENSIONS ARE ALIGNED WITH OUTSIDE FACE OF STUDS
- BUILDING RELIEF DIMENSIONS NOTED ON THIS PLAN TO BE CONSISTENT ON ALL FLOORS

PERMIT SET



01-05-2024

PROJECT TITLE



COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : DAS
ARCHITECT : DAS	CHECKED : AAT
ENGINEER :	APPROVED : CRJ
NO. 2	REVISION DESCRIPTION 02/15/24

DRAWING TITLE
FIRST FLOOR PLAN - IL UNITS EDGE OF SLAB

DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	A1.2

DIMENSIONS ADDED AND ADJUSTED



1. ALL UNDIMENSIONED DOORS TO BE CENTERED OR 4" OF SIDE WALL.
2. ALL UNDESIGNATED DIMENSIONED WALLS TO BE 3 1/2" WOOD STUD.
3. DIMENSIONS ARE TO FACE OF STUD OR CENTER OF DEMISING WALL UNLESS OTHERWISE NOTED.
4. CORRIDOR WALLS AT UNIT AND DEMISING WALLS BETWEEN UNITS SHALL BE TREATED AS SOUND RATED WALLS.
5. REFER TO A1.2 FOR BUILDING RELIEF DIMENSIONS AND PATIO/BALCONY DIMENSIONS.



NORTH

DRAWING TITLE
FIRST FLOOR PLAN - IL
UNITS

DATE:	January 5, 2024	DRAWING
COMM. NO.	23104.00	

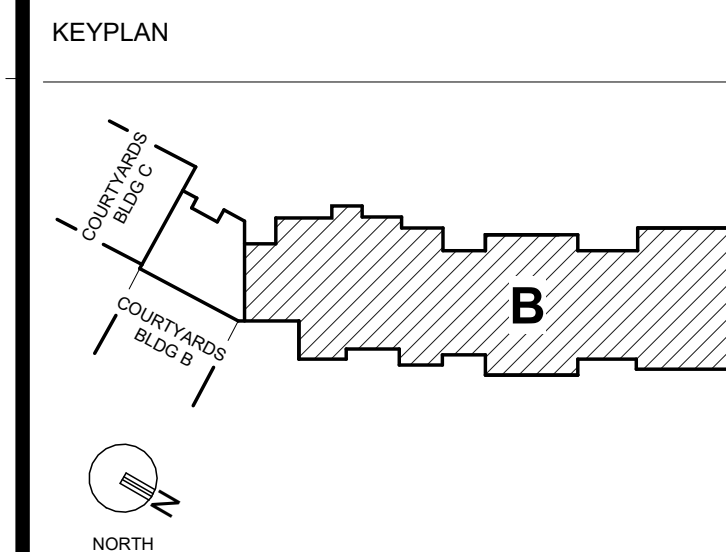
A1.3

5 EXPANSION JOINT - INTERIOR -
TYPICAL 2
1 1/2" = 1'-0"

4 EXPANSION JOINT - INTERIOR -
TYPICAL 1

EXPANSION JOINT - EXT/UPPER
FLOORS 1

2 EXPANSION JOINT - EXT/1ST FLR 1
1 1/2" = 1'-0"

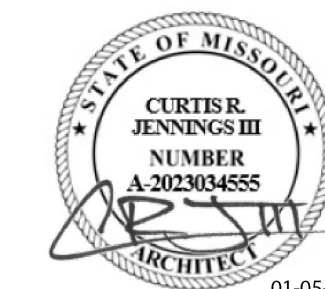


GENERAL NOTES

1. ALL UNDIMENSIONED DOORS TO BE CENTERED OR 4" SIDE WALL.
2. ALL UNDESIGNATED DIMENSIONED WALLS TO BE 3 1/2" WOOD STUD.
3. DIMENSIONS ARE TO FACE OF STUD OR CENTER OF DEMISING WALL UNLESS OTHERWISE NOTED.
4. CORRIDOR WALLS AT UNIT AND DEMISING WALLS BETWEEN UNITS SHALL BE TREATED AS SOUND RATED WALLS.
5. REFER TO A1.2 FOR BUILDING RELIEF DIMENSIONS AND PATIO/BALCONY DIMENSIONS.

1 SECOND FLOOR PLAN - IL UNITS
1/8" = 1'-0"

PERMIT SE



PROJECT TITLE _____



John Knox Village

COURTYARDS - BUILDING E

S F C S

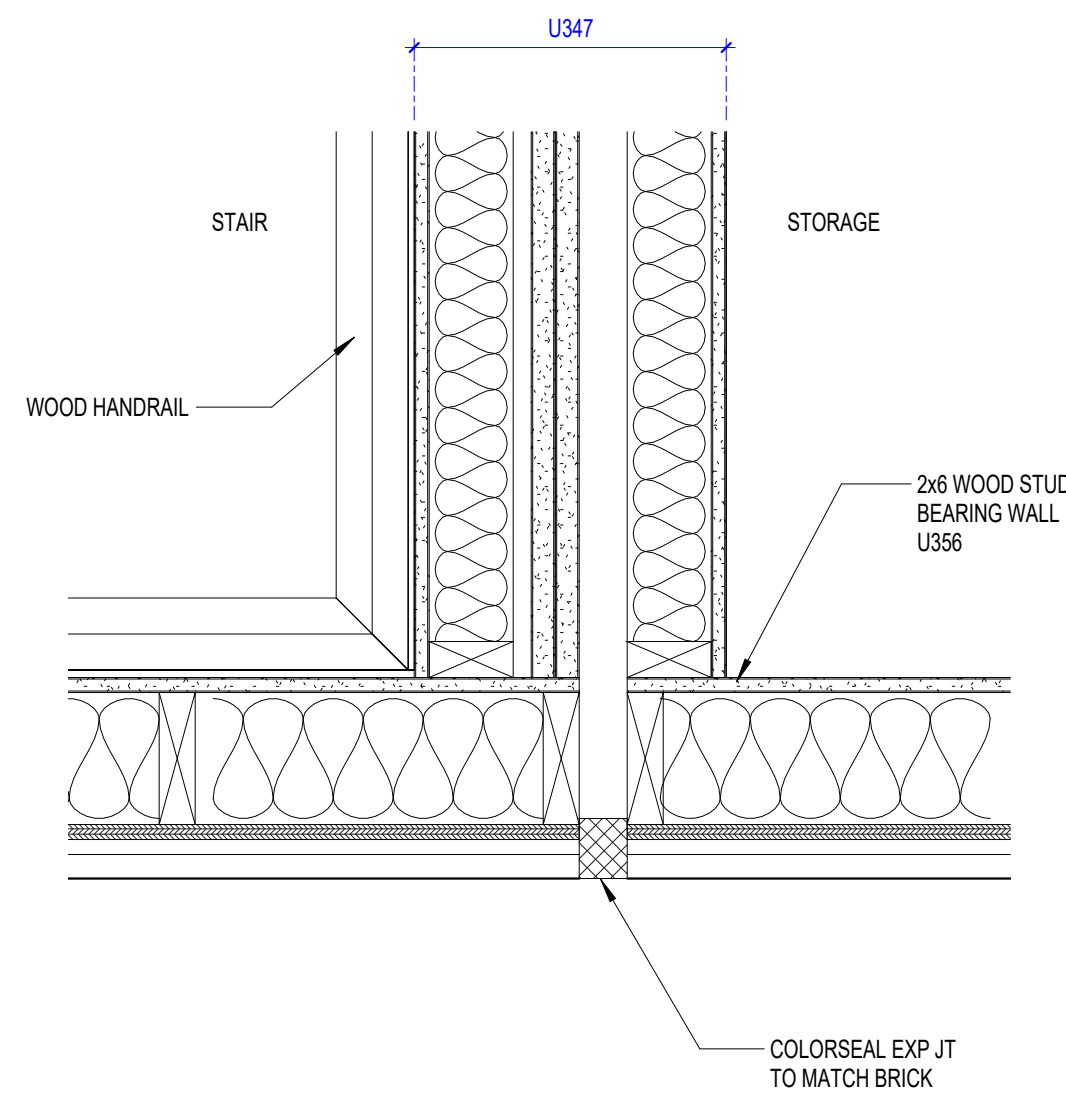
SFCS Inc. ■ 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 ■ Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : DAS	
ARCHITECT : DAS	CHECKED : AAT	
ENGINEER :	APPROVED : CRJ	
NO.	REVISION DESCRIPTION	DATE
2	Rev 1 - Permit Comments	02/15/2

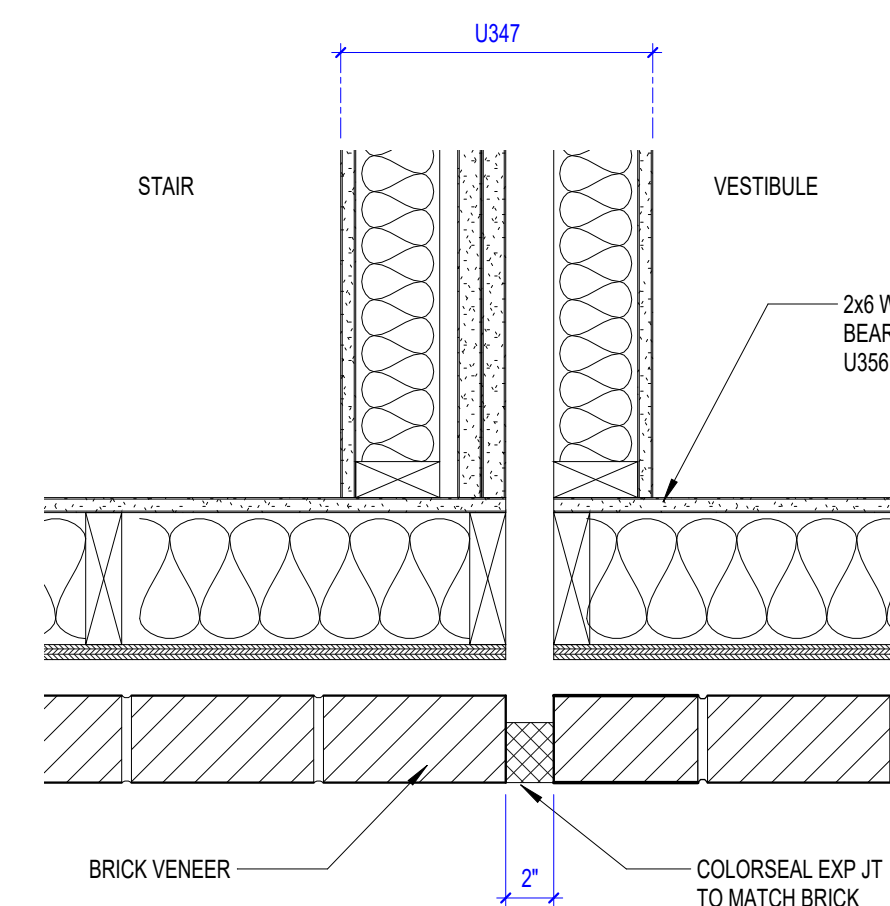
DRAWING TITLE
SECOND FLOOR PLAN - IL
UNITS

DATE:	January 5, 2024	DRAWING
COMM. NO.	23104.00	

A1.4



EXPANSION JOINT - EXT/UPPER FLOORS
1 1/2" = 1'-0"

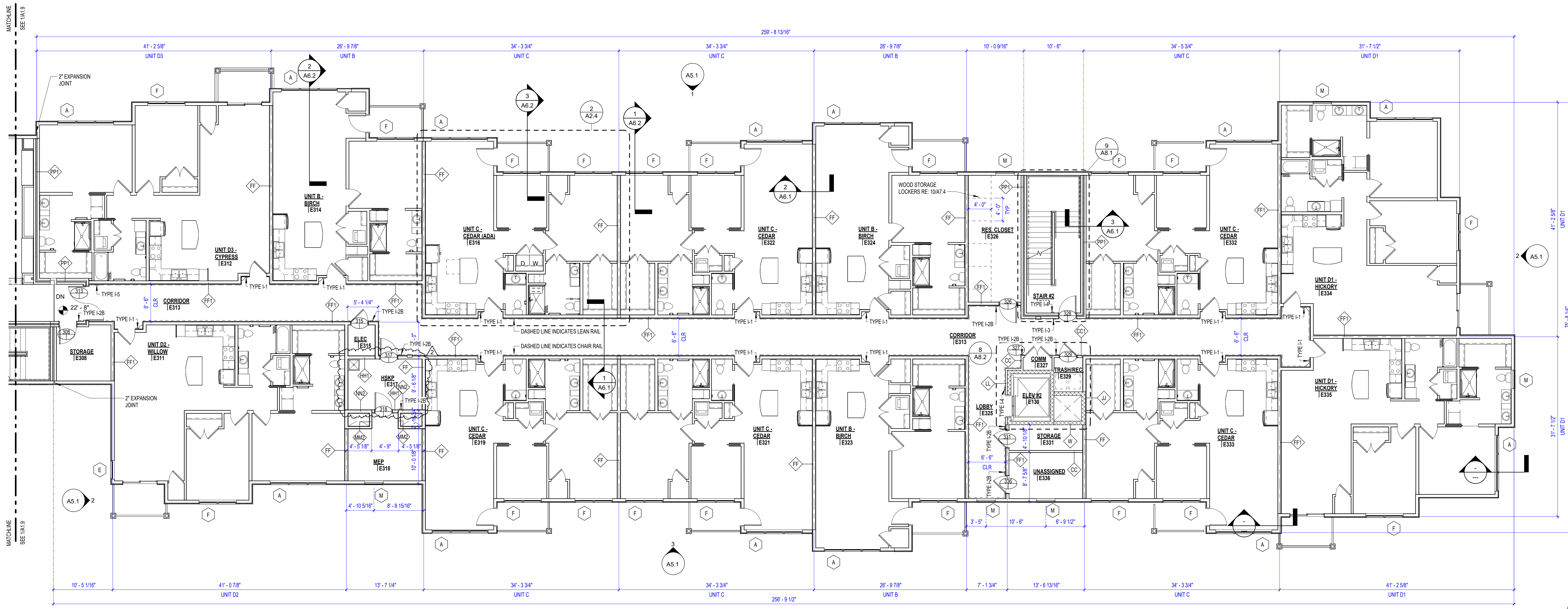


EXPANSION JOINT - EXT/1ST FLR 2
1 1/2" = 1'-0"

KEYPLAN

GENERAL NOTES

1. ALL UNDIMENSIONED DOORS TO BE CENTERED OR 4" OFF SIDE WALL.
2. ALL UNDESIGNATED DIMENSIONED WALLS TO BE 3 1/2" WOOD STUD.
3. DIMENSIONS ARE TO FACE OF STUD OR CENTER OF DEMISING WALL UNLESS OTHERWISE NOTED.
4. CORRIDOR WALLS AT UNIT AND DEMISING WALLS BETWEEN UNITS SHALL BE TREATED AS SOUND RATED WALLS.
5. REFER TO A1.2 FOR BUILDING RELIEF DIMENSIONS AND PATIO/BALCONY DIMENSIONS.



THIRD FLOOR PLAN - IL UNITS
1/8" = 1'-0"

PERMIT SET

PROJECT TITLE

John Knox Village
COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfc.com

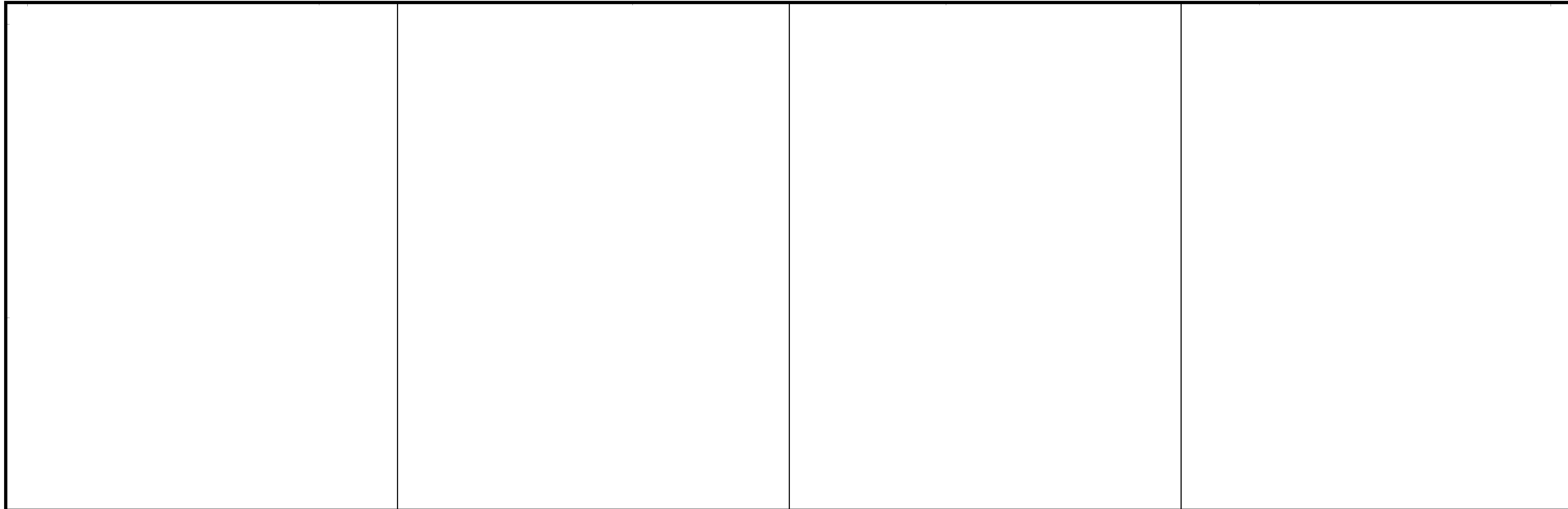
DESIGNER	DAS	DRAWN	DRW
ARCHITECT	DAS	CHECKED	AAT
ENGINEER		APPROVED	CRJ

NO. 2 REVISION DESCRIPTION DATE
Rev 1 - Permit Comments 02/15/24

DRAWING TITLE

THIRD FLOOR PLAN - IL UNITS

DATE	January 5, 2024	DRAWING
COMM. NO.	23104.00	A1.5



KEYPLAN

GENERAL NOTES

1.

ALL UNDIMENSIONED DOORS TO BE CENTERED OR 4" OFF SIDE WALL.

2.

ALL UNDESIGNATED DIMENSIONED WALLS TO BE 3 1/2" WOOD STUD.

3.

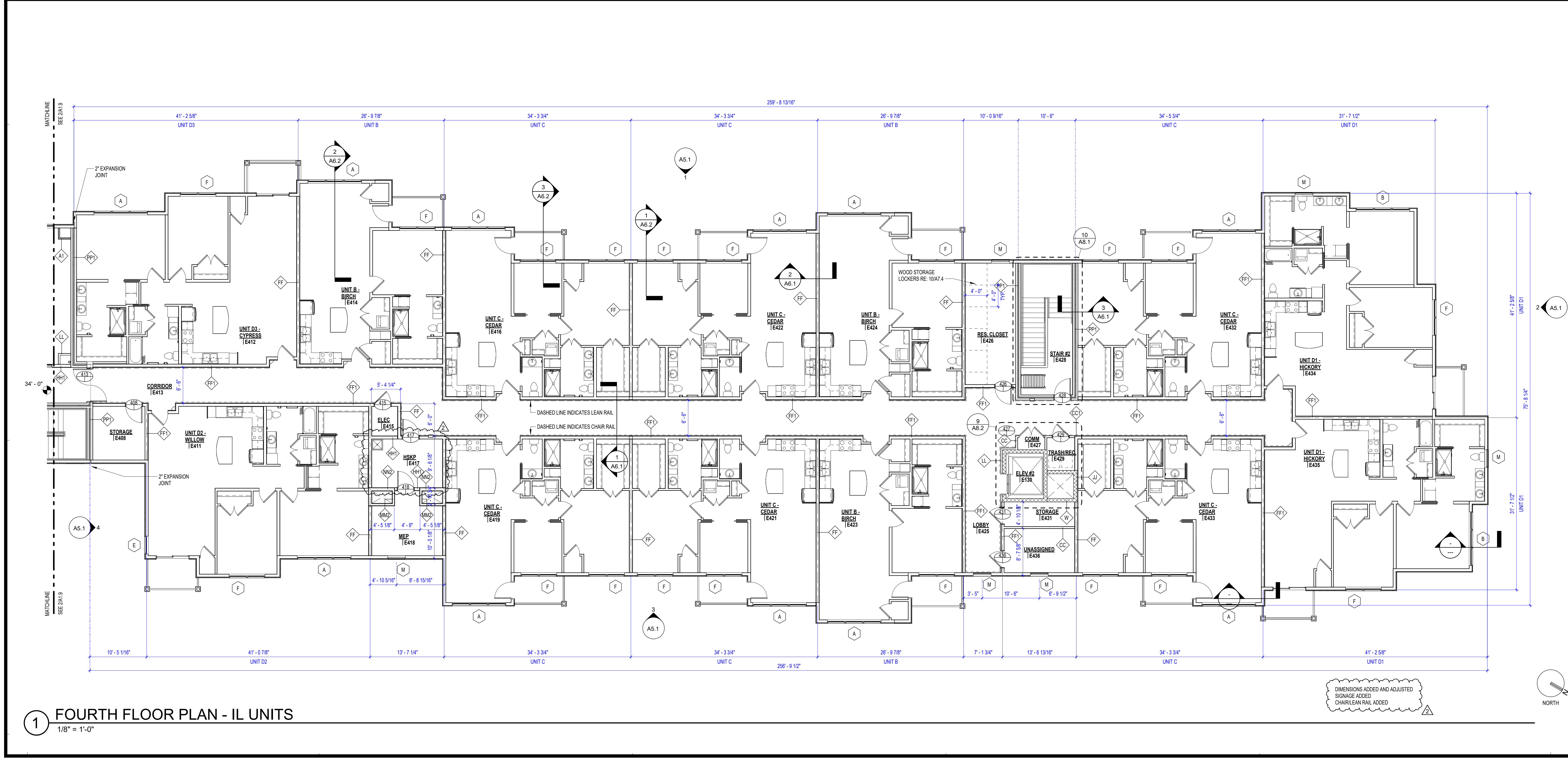
DIMENSIONS ARE TO FACE OF STUD OR CENTER OF DEMISING WALL UNLESS OTHERWISE NOTED.

4.

CORRIDOR WALLS AT UNIT AND DEMISING WALLS BETWEEN UNITS SHALL BE TREATED AS SOUND RATED WALLS.

5.

REFER TO A1.2 FOR BUILDING RELIEF DIMENSIONS AND PATIO/BALCONY DIMENSIONS.



PERMIT SET

PROJECT TITLE

COURTYARDS - BUILDING E

SFCSS

Architecture
Engineering
Planning
Interiors

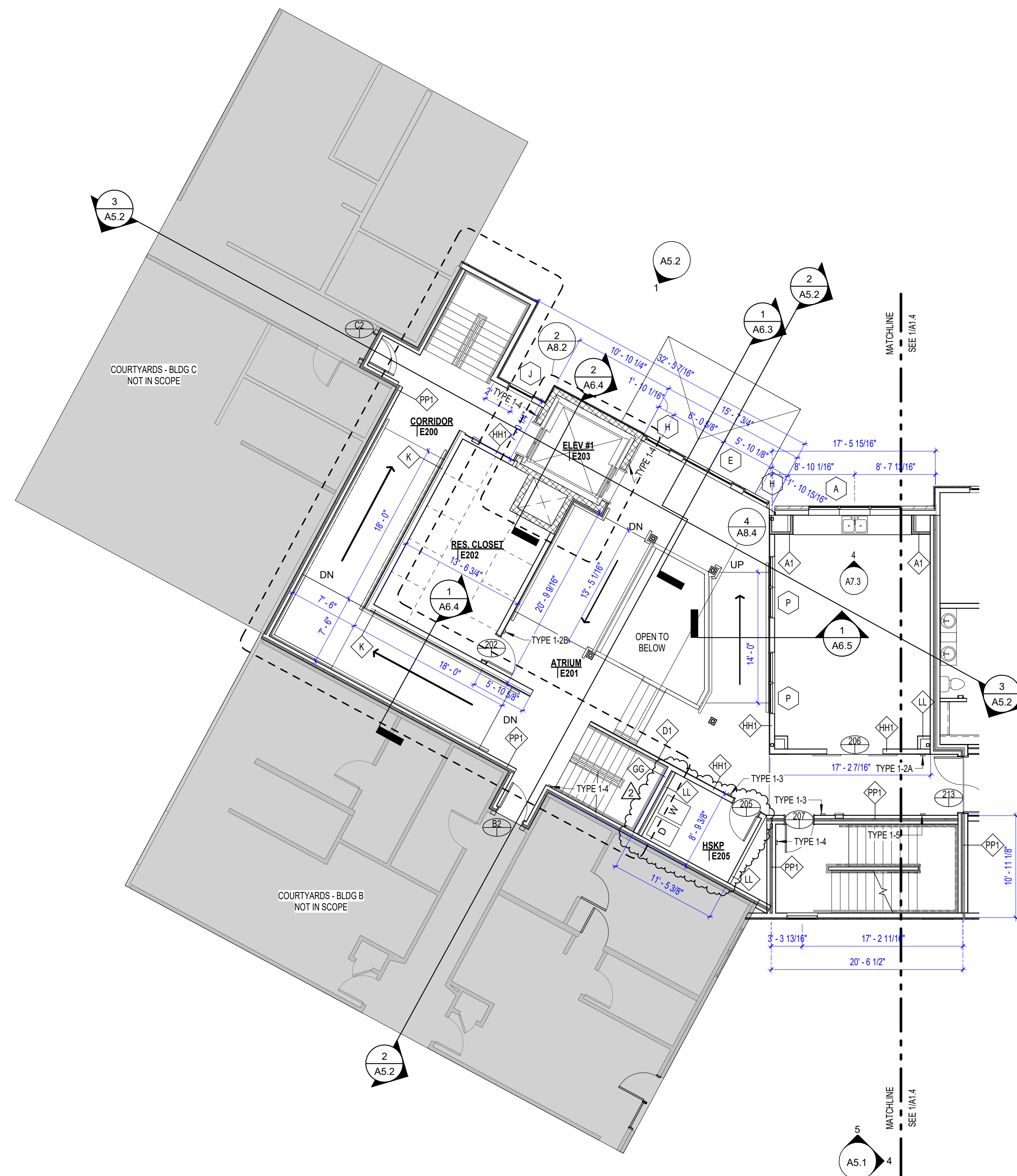
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : DAS	
ARCHITECT : DAS	CHECKED : AAT	
ENGINEER : DAS	APPROVED : CRJ	
NO.	REVISION DESCRIPTION	DATE
2	Rev 1 - Permit Comments	02/15/24

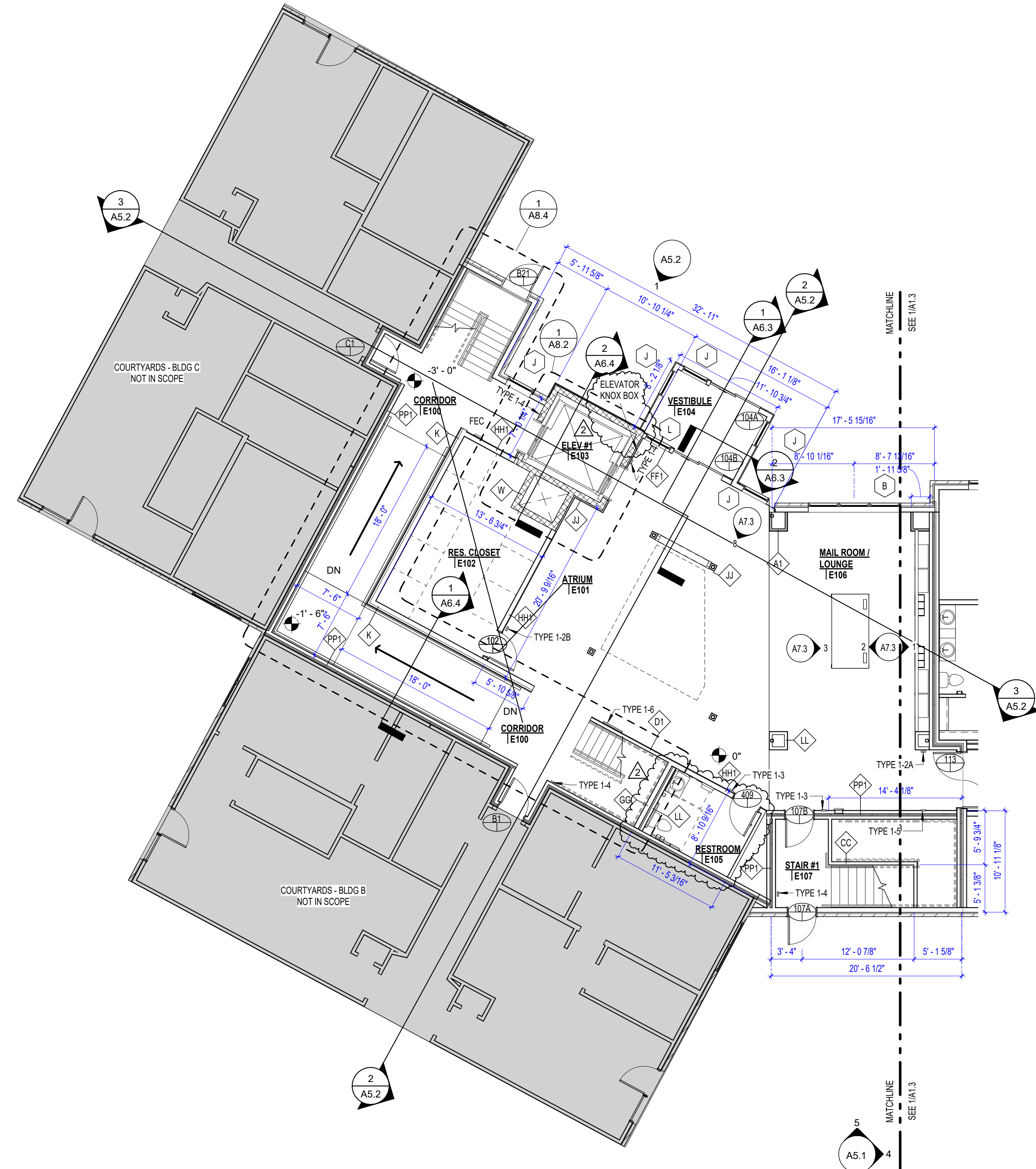
DRAWING TITLE

FOURTH FLOOR PLAN - IL UNITS

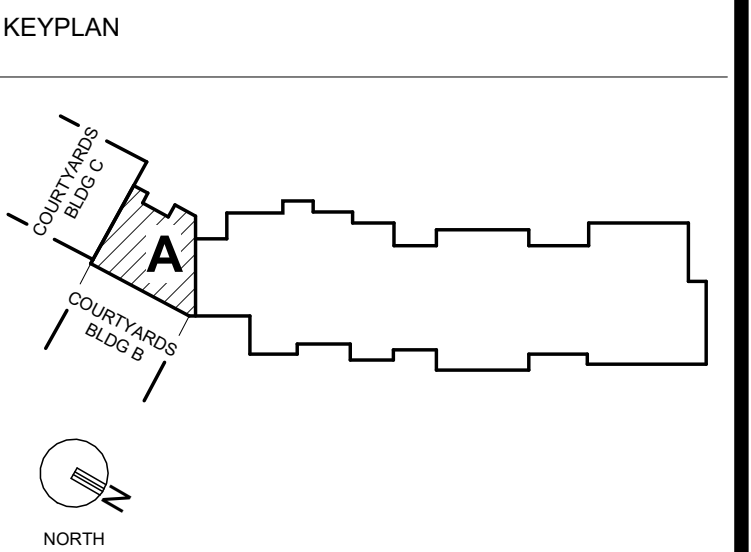
DATE:	January 5, 2024	DRAWING
COMM. NO.	23104.00	A1.6



2 ATRIUM - SECOND FLOOR PLAN
1/8" = 1'-0"

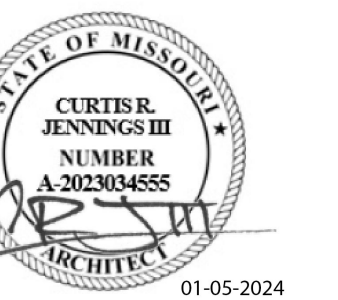


1 ATRIUM - FIRST FLOOR PLAN
1/8" = 1'-0"



GENERAL NOTES

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFC Architecture
Engineering
Planning
Interiors

SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

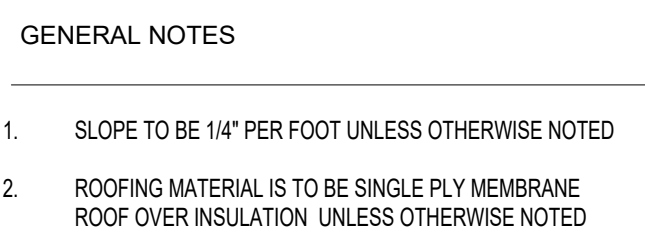
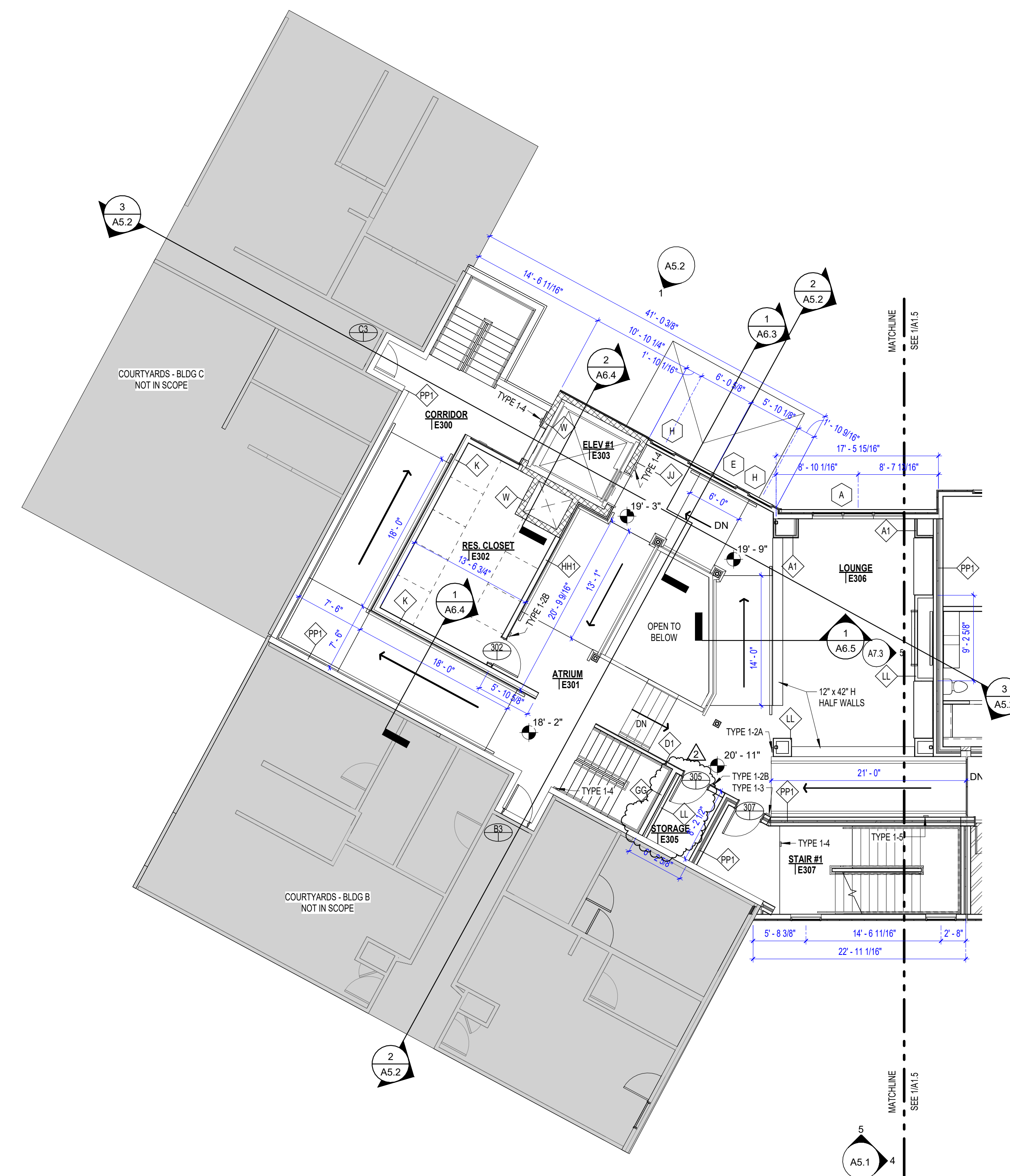
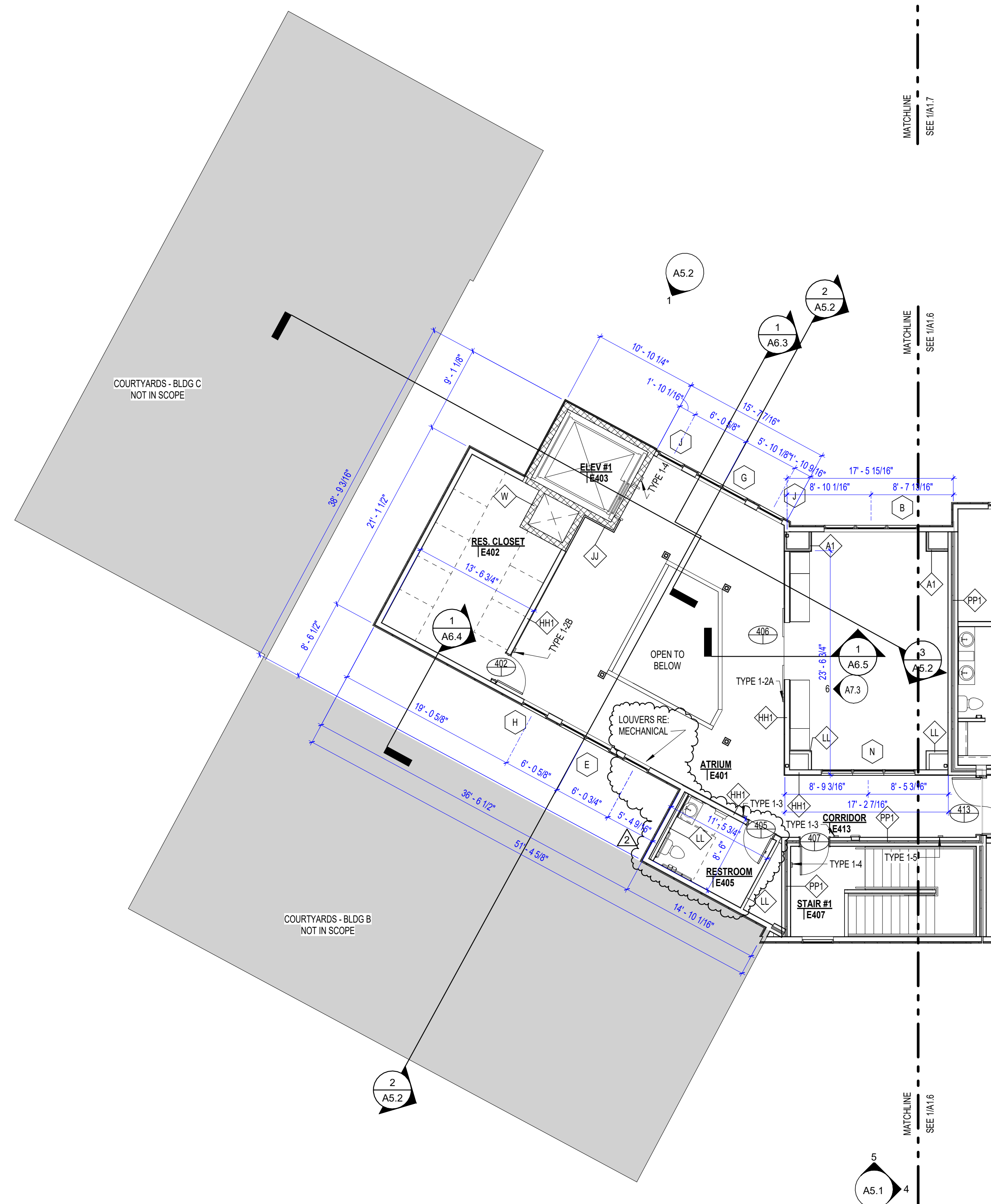
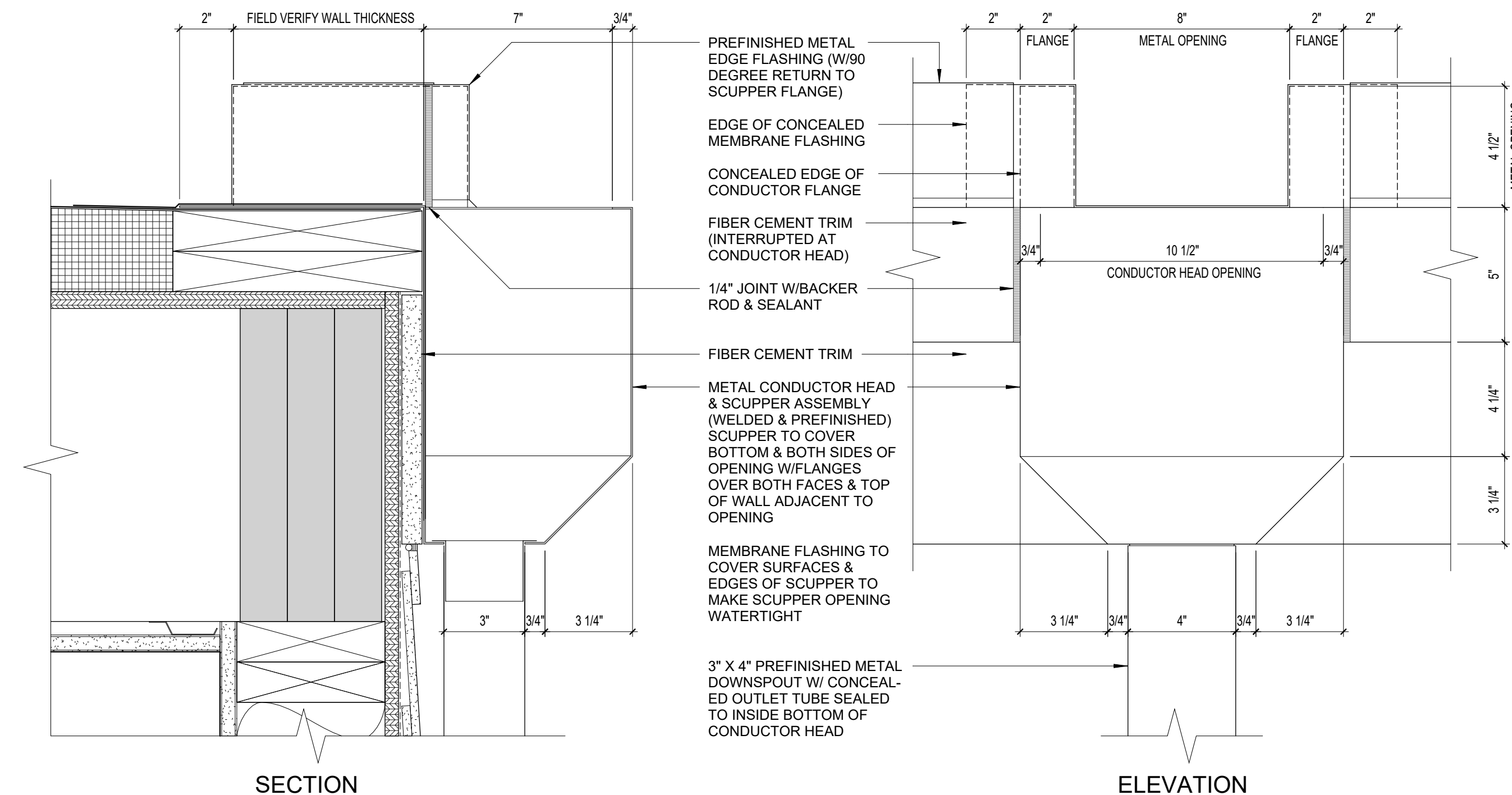
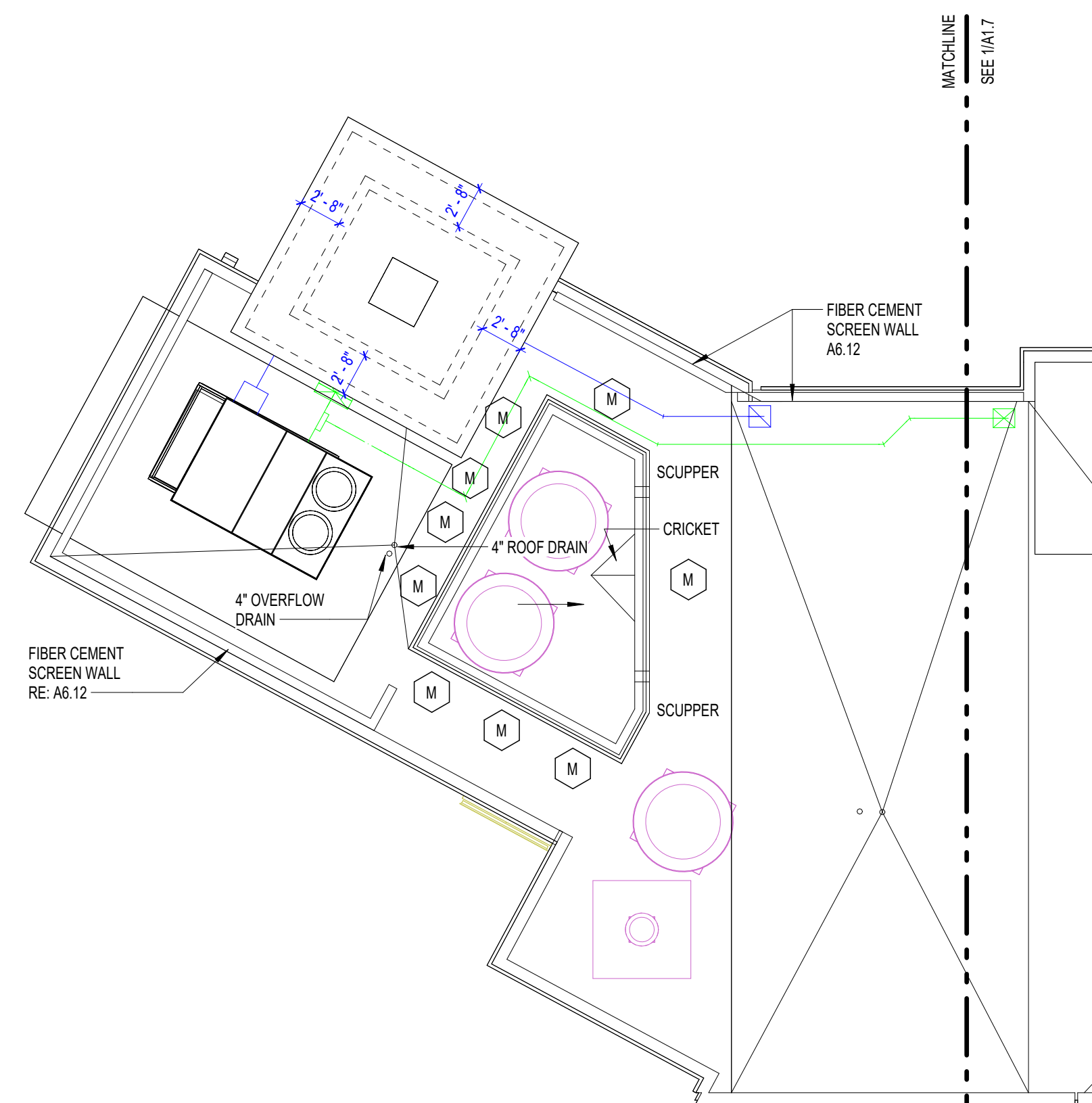
DESIGNER :	DAS	DRAWN :	DAS
ARCHITECT :	DAS	CHECKED :	AAT
ENGINEER :		APPROVED :	CRJ
NO.	REVISION DESCRIPTION	DATE	
2	Rev 1 - Permit Comments	02/15/24	

DRAWING TITLE
FIRST AND SECOND
FLOOR PLANS - ATRIUM

DATE: January 5, 2024
DRAWING

COMM. NO. 23104.00
A1.8

DIMENSIONS ADDED AND ADJUSTED



S F C S | Architecture
Engineering
Planning
Interiors

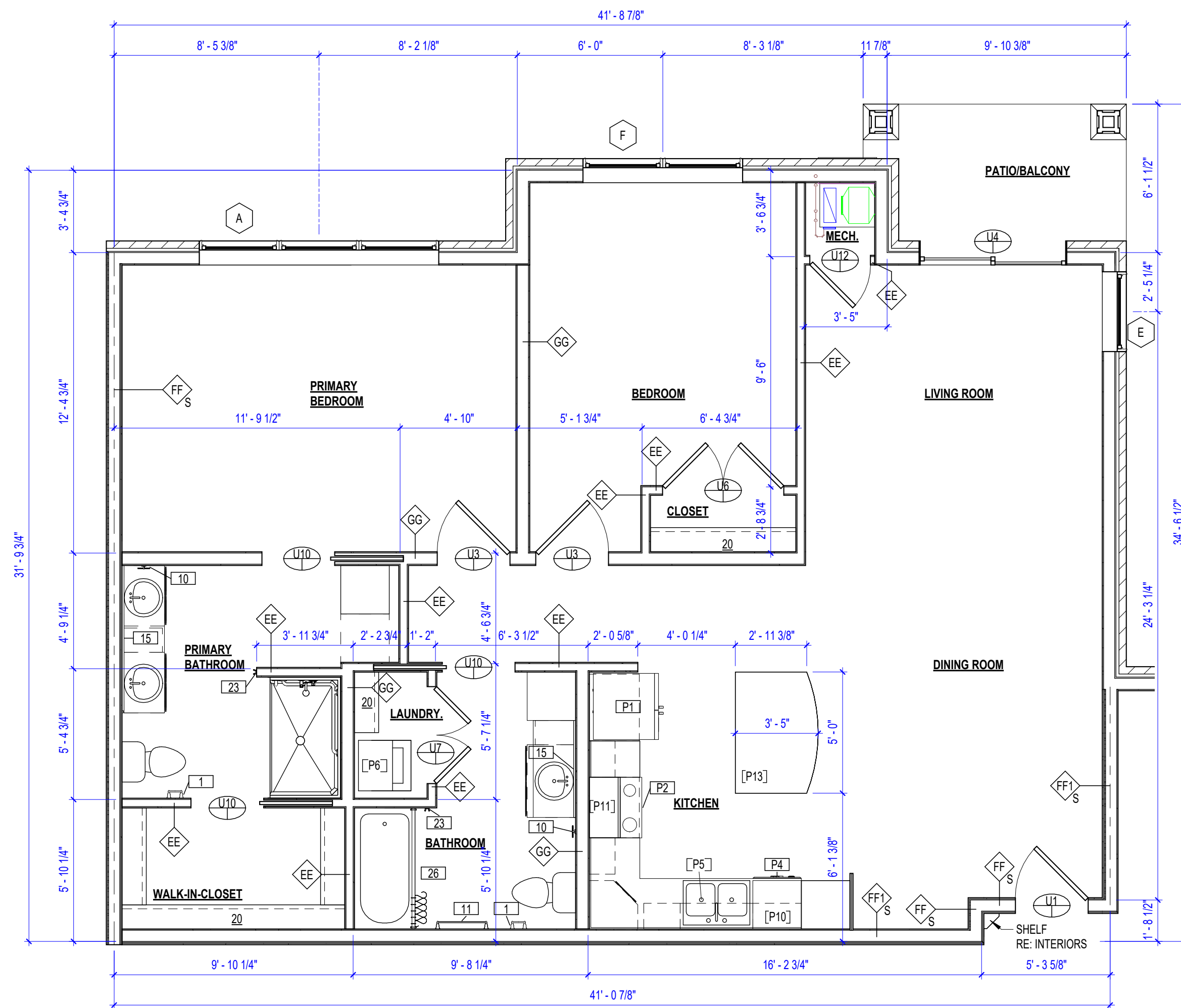
SFCS Inc. ■ 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 ■ Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : DAS
ARCHITECT : DAS	CHECKED : AAT
ENGINEER :	APPROVED : CRJ
NO.	REVISION DESCRIPTION
2	Rev 1 - Permit Comments
	02/15/24

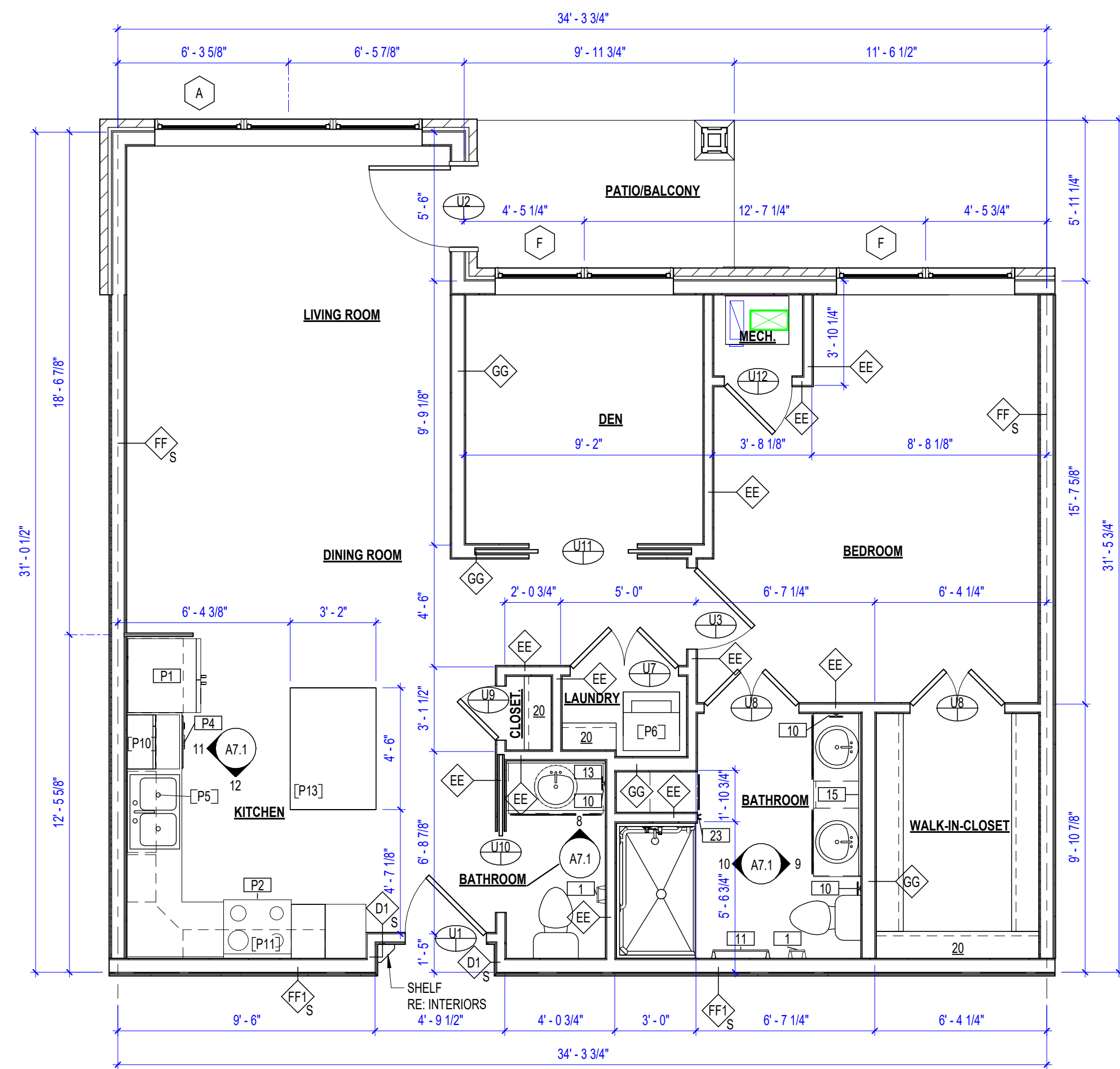
DRAWING TITLE

THIRD, FOURTH AND
ROOF FLOOR PLANS -
ATRIUM

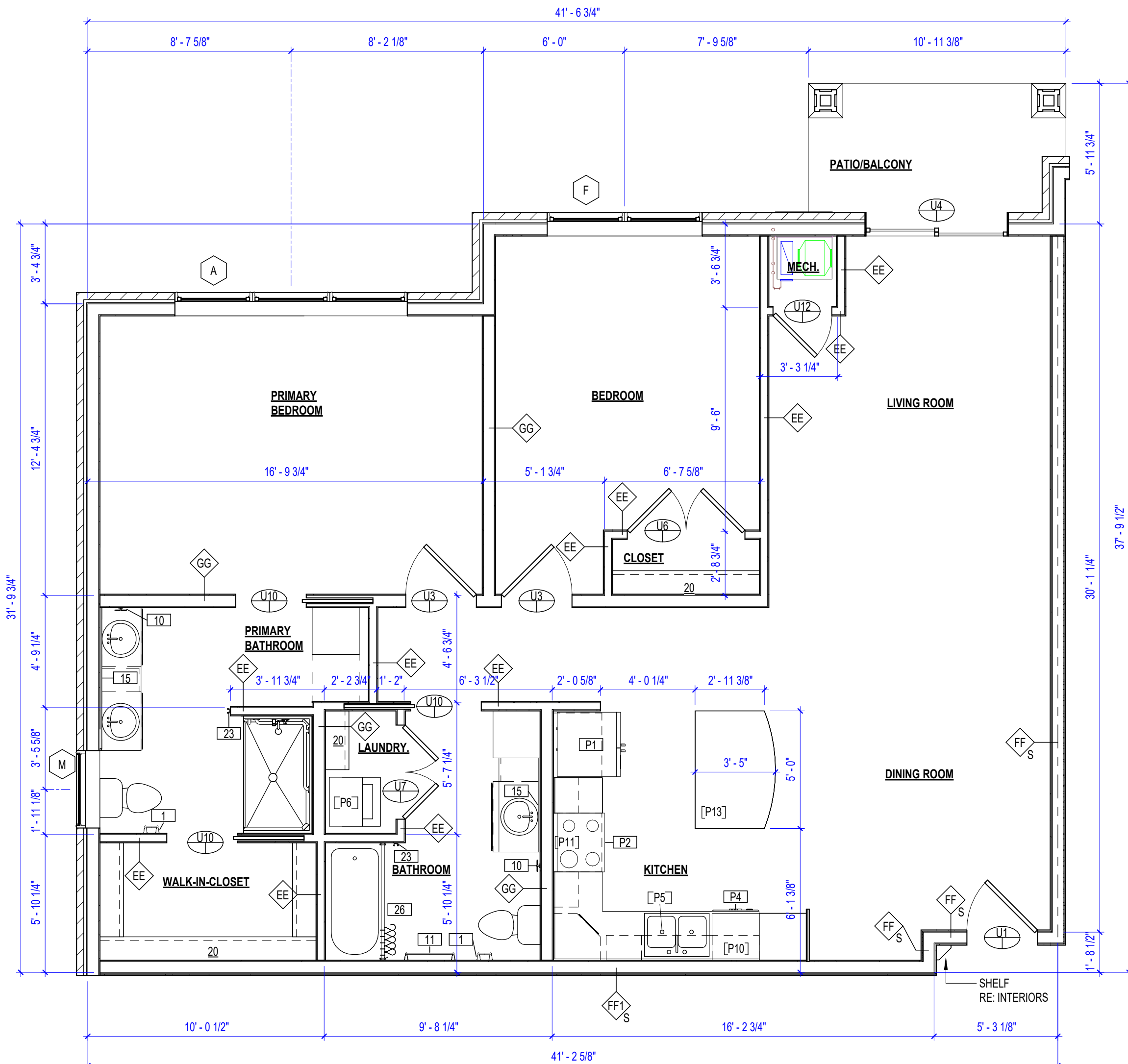
DATE:	January 5, 2024	DRAWING	A1.9
COMM. NO.	23104.00		



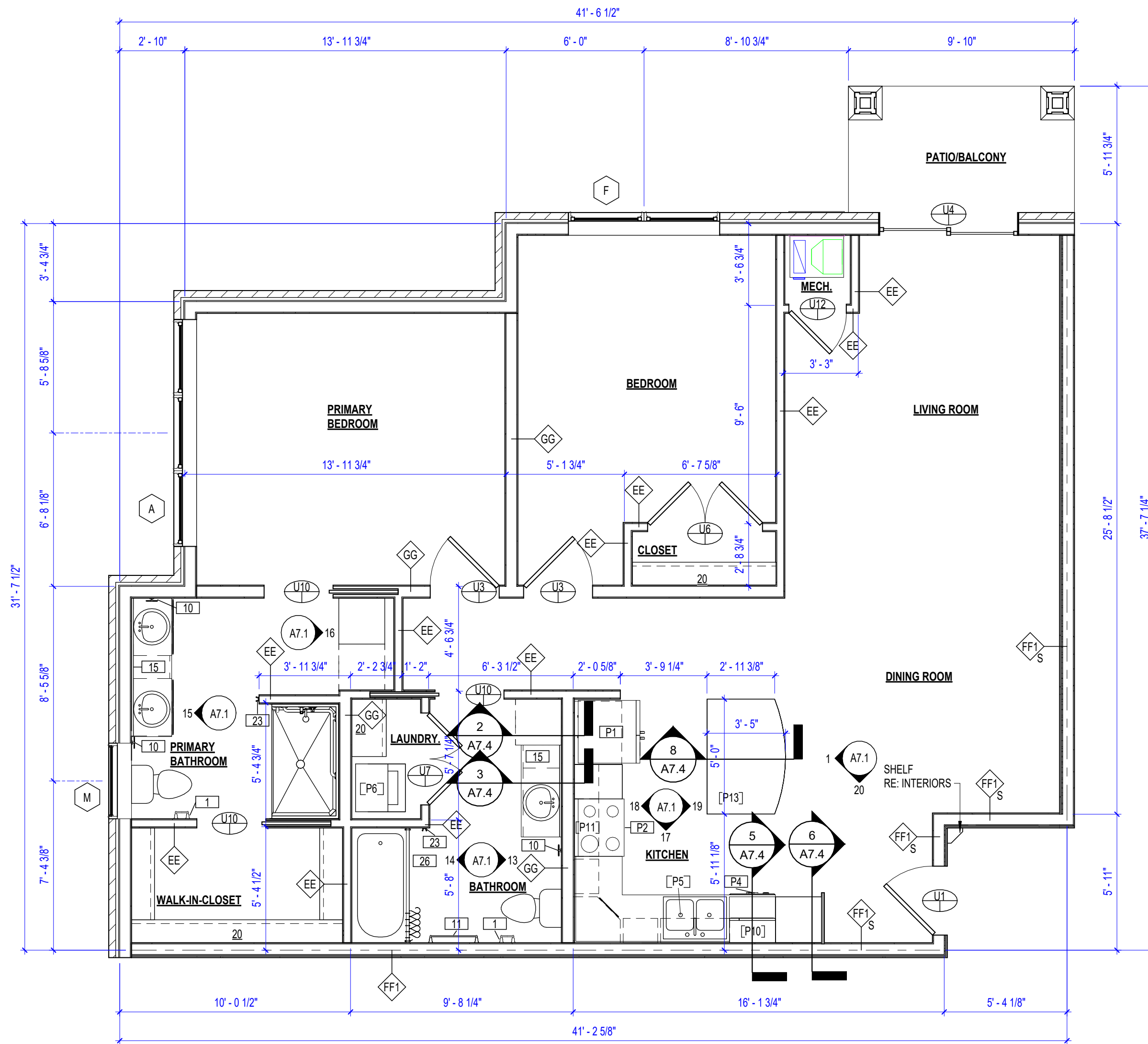
4 UNIT D2 - WILLOW (1185 SF)
1/4" = 1'-0"



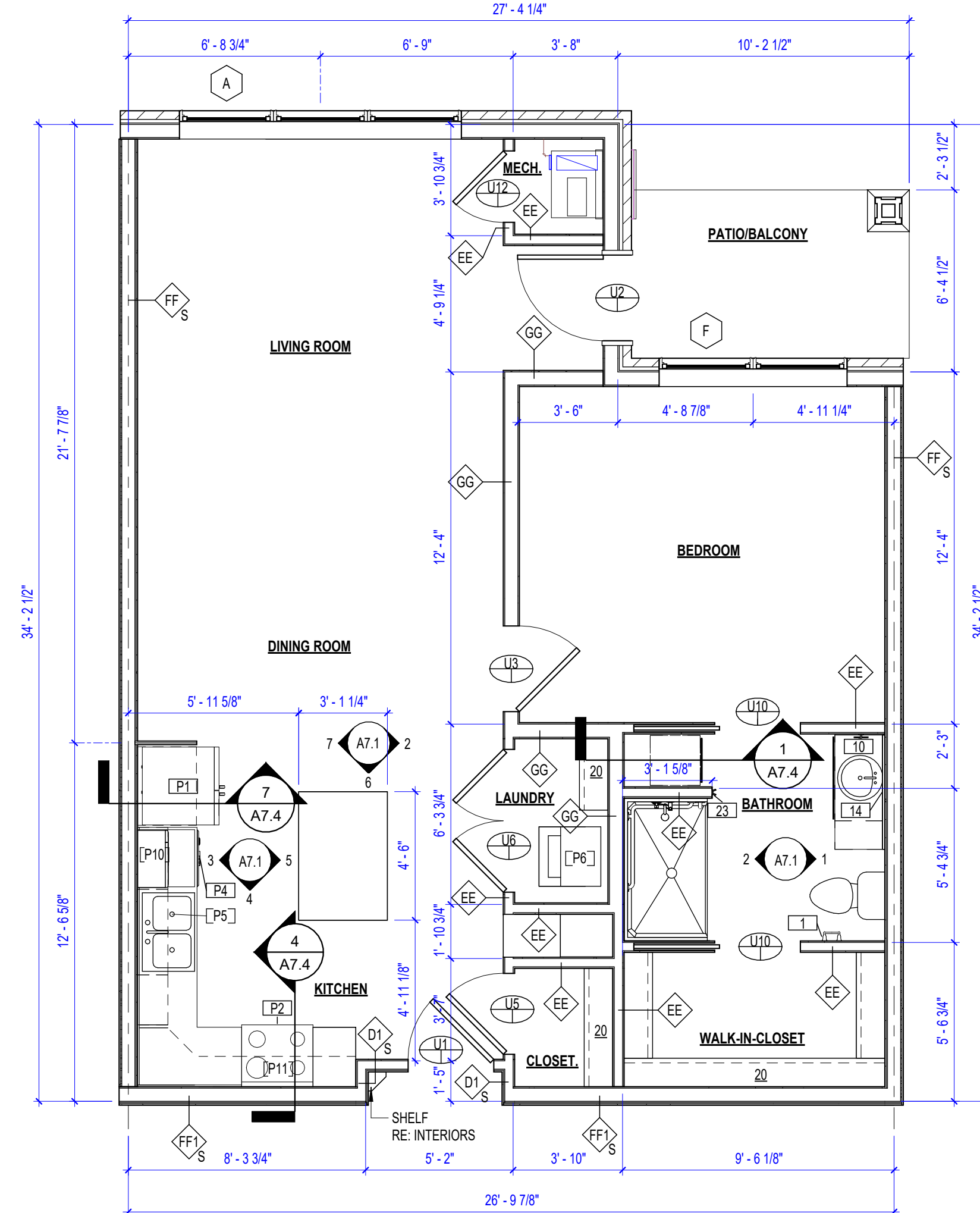
2 UNIT C - CEDAR (925 SF)
1/4" = 1'-0"



5 UNIT D3 - CYPRESS (1215 SF)
1/4" = 1'-0"



3 UNIT D1 - HICKORY (1145 SF)
1/4" = 1'-0"



1 UNIT B - BIRCH (810 SF)
1/4" = 1'-0"

- GENERAL NOTES**
- ALL RESIDENT ROOMS SHALL COMPLY WITH ANSI TYPE B ACCESSIBILITY STANDARDS FOR ACCESSIBLE UNITS. SEE A2.2 FOR ACCESSIBILITY DETAILS. UNIT B 123 AND C 316 SHALL ALSO COMPLY WITH ANSI TYPE A ACCESSIBILITY STANDARDS FOR ACCESSIBLE UNITS - SEE SHEET A2.1 FOR ACCESSIBILITY DETAILS.
 - ALL UNITS TO CONTAIN THE FOLLOWING TOILET ACCESSORIES: (1) 24" TOWEL BAR, 1 TOILET PAPER HOLDER, 1 TOWEL RING, 1 ROBE HOOK.
 - INSTALL ALL GRAB BAR BLOCKING AT TIME OF CONSTRUCTION. GRAB BARS TO BE INSTALLED AT RESIDENT REQUEST. TYP. INSTALL MASTER SHOWER 18" VERTICAL GRAB BARS AND WRAP AROUND GRAB BARS AT TIME OF CONSTRUCTION.
 - ALL UNDESIGNED DOORS TO BE CENTERED OR 4" OFF SIDE WALL.
 - ALL UNDESIGNED DIMENSIONED WALLS TO BE 3 1/2" WOOD STUD.
 - SEE ELECTRICAL DRAWINGS FOR ELECTRICAL LAYOUTS.
 - REFER TO INTERIOR FINISH PLANS & LEGEND FOR ALL UNIT INTERIORS.
 - DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
 - CORRIDOR WALLS AT UNIT AND DEMISING WALLS BETWEEN UNITS SHALL BE TREATED AS SOUND RATED WALLS.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcsc.com

DESIGNER : DAS	DRAWN : DAS/CRW
ARCHITECT : DAS	CHECKED : AAT
ENGINEER : DES	APPROVED : CRJ
NO. 2	REVISION DESCRIPTION DATE
Rev 1 - Permit Comments	02/15/24

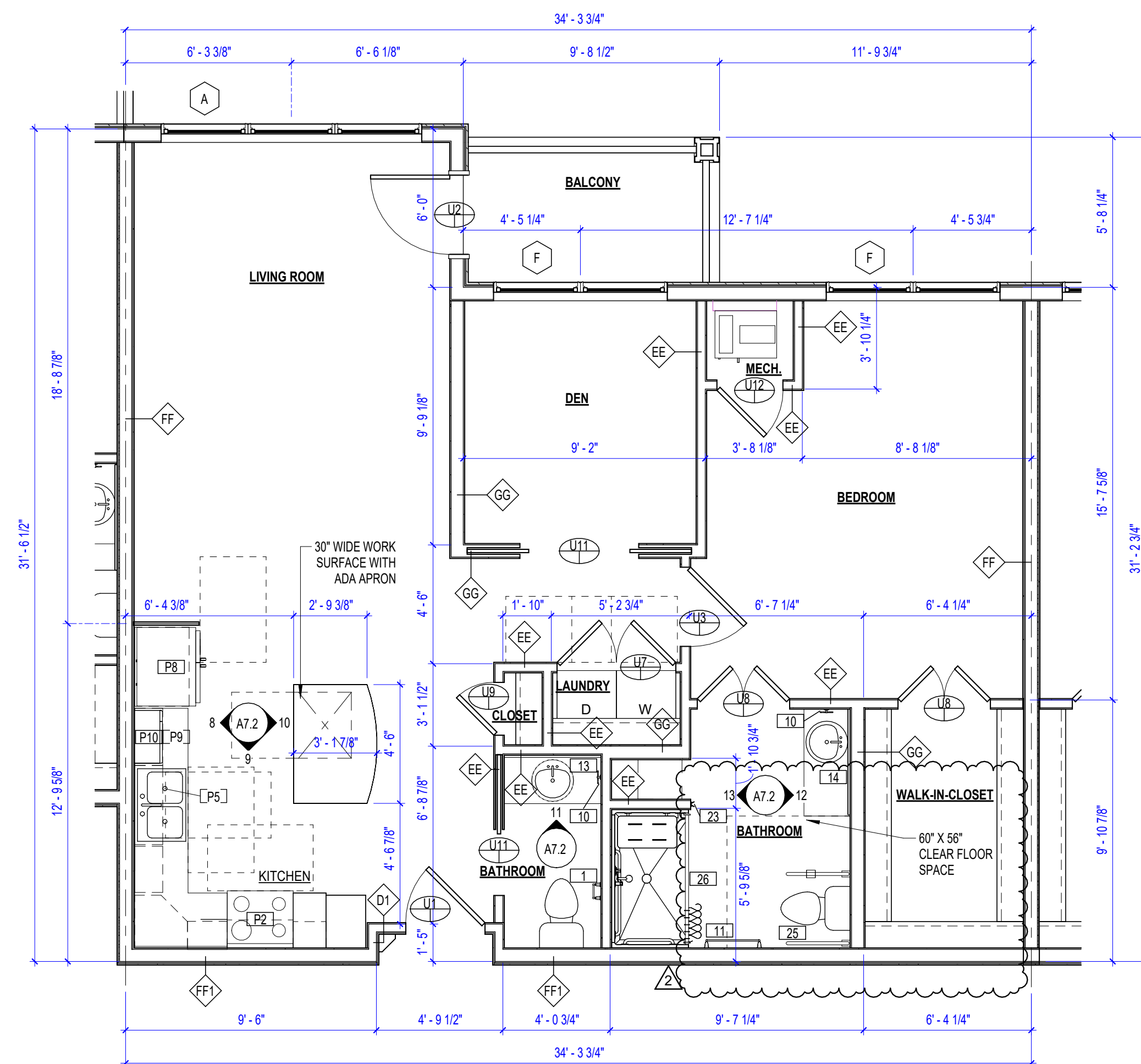
DRAWING TITLE
ENLARGED PLANS

DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	A2.3

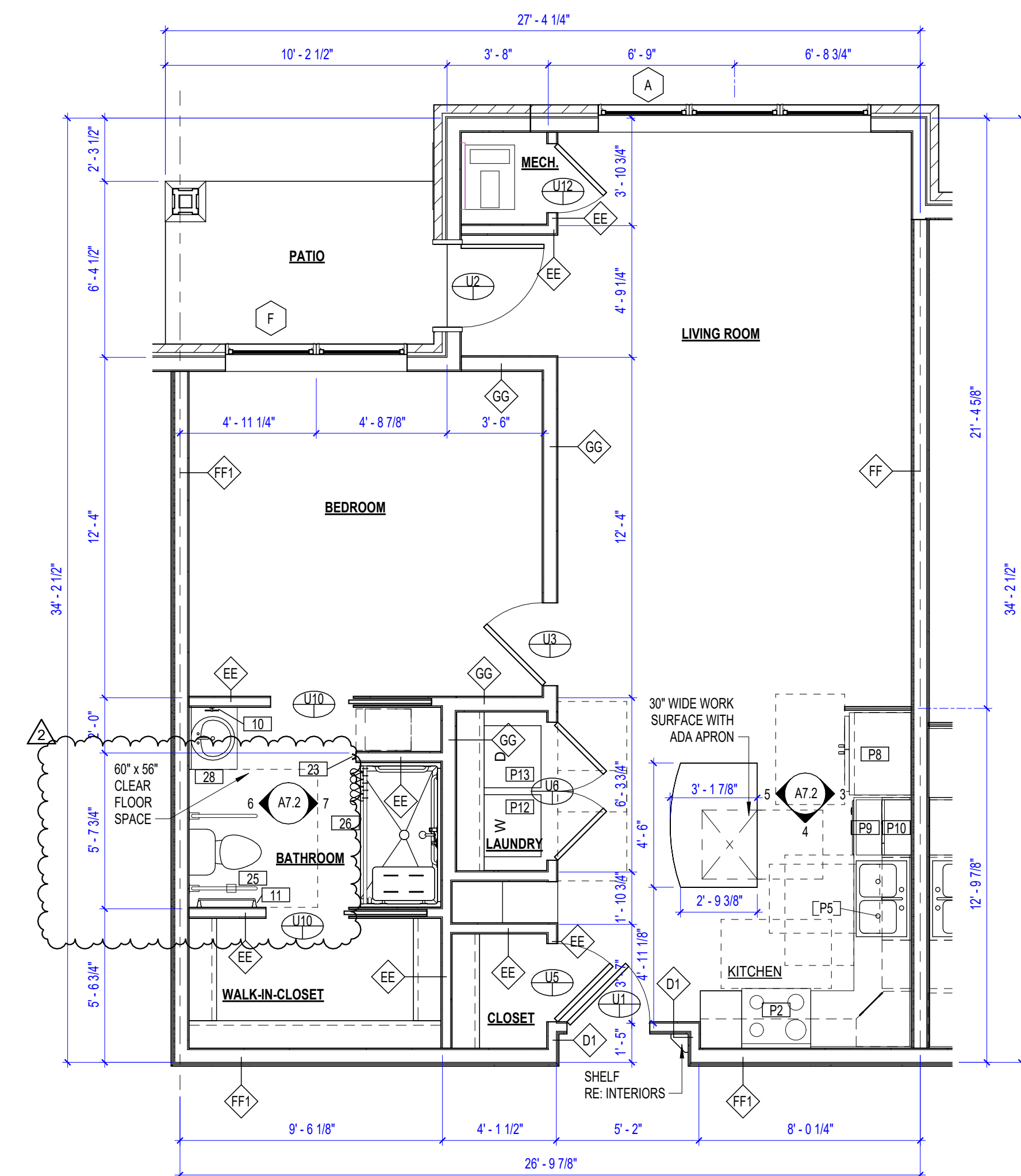
DIMENSIONS ADDED AND ADJUSTED

GENERAL NOTES

- ALL RESIDENT ROOMS SHALL COMPLY WITH ANSI TYPE B ACCESSIBILITY STANDARDS FOR ACCESSIBLE UNITS. SEE A2.2 FOR ACCESSIBILITY DETAILS. UNIT B 123 AND C 316 SHALL ALSO COMPLY WITH ANSI TYPE A ACCESSIBILITY STANDARDS FOR ACCESSIBLE UNITS - SEE SHEET A2.1 FOR ACCESSIBILITY DETAILS.
- ALL UNITS TO CONTAIN THE FOLLOWING TOILET ACCESSORIES: (1) 24" TOWEL BAR, 1 TOILET PAPER HOLDER, 1 TOWEL RING, 1 ROBE HOOK.
- INSTALL ALL GRAB BAR BLOCKING AT TIME OF CONSTRUCTION. GRAB BARS TO BE INSTALLED AT RESIDENT REQUEST. TYP. INSTALL MASTER SHOWER 18" VERTICAL GRAB BARS AND WRAP AROUND GRAB BARS AT TIME OF CONSTRUCTION.
- ALL UNDIMENSIONED DOORS TO BE CENTERED OR 4" OFF SIDE WALL.
- ALL UNDESIGNATED DIMENSIONED WALLS TO BE 3 1/2" WOOD STUD.
- SEE ELECTRICAL DRAWINGS FOR ELECTRICAL LAYOUTS.
- REFER TO INTERIOR FINISH PLANS & LEGEND FOR ALL UNIT INTERIORS.
- DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
- CORRIDOR WALLS AT UNIT AND DEMISING WALLS BETWEEN UNITS SHALL BE TREATED AS SOUND RATED WALLS.



② E316 - UNIT C - CEDAR (ADA)
1/4" = 1'-0"



① E123 - UNIT B - BIRCH (ADA)
1/4" = 1'-0"

DIMENSIONS ADDED AND ADJUSTED

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCS

Architecture
Engineering
Planning
Interiors

SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : DAS/CRW
ARCHITECT : DAS	CHECKED : AAT
ENGINEER : DES	APPROVED : CRJ
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE

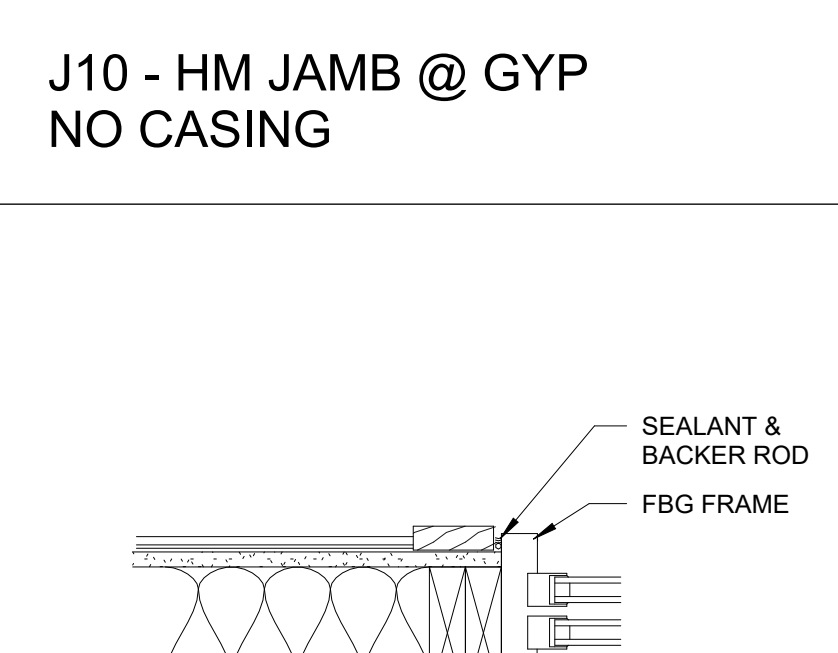
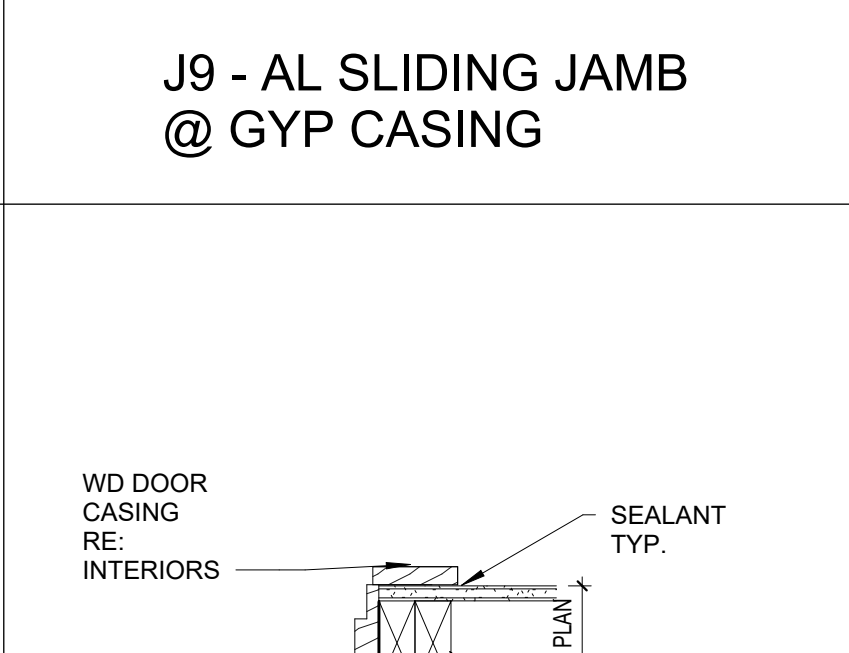
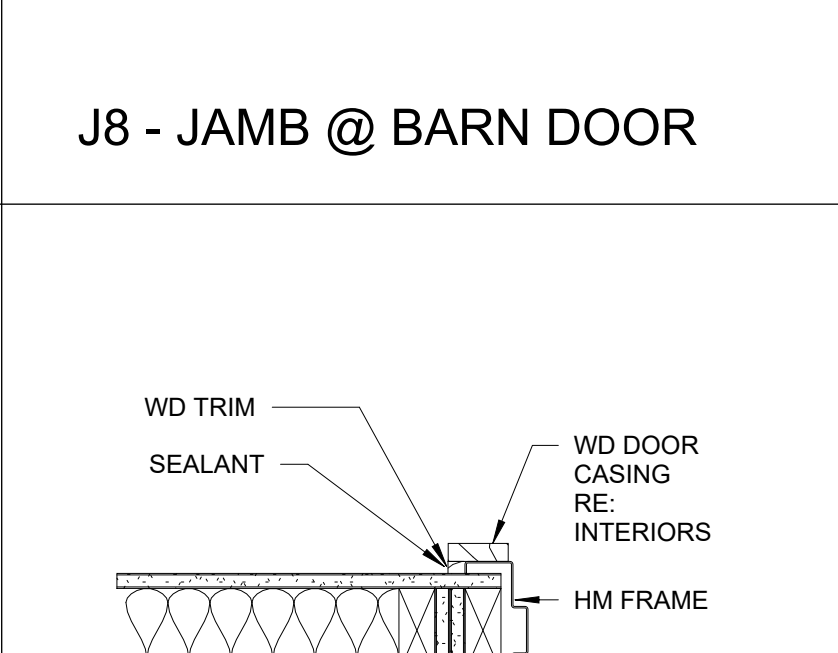
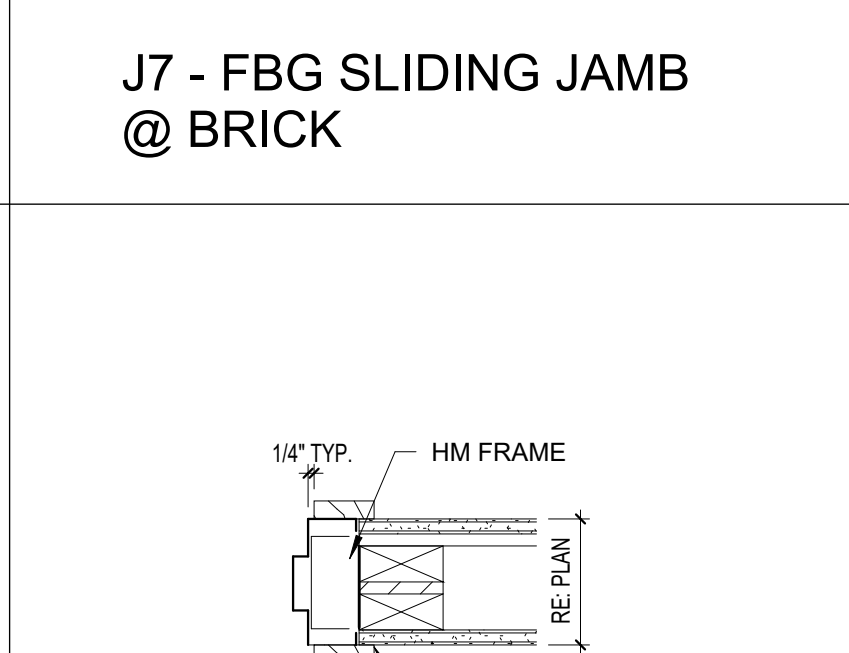
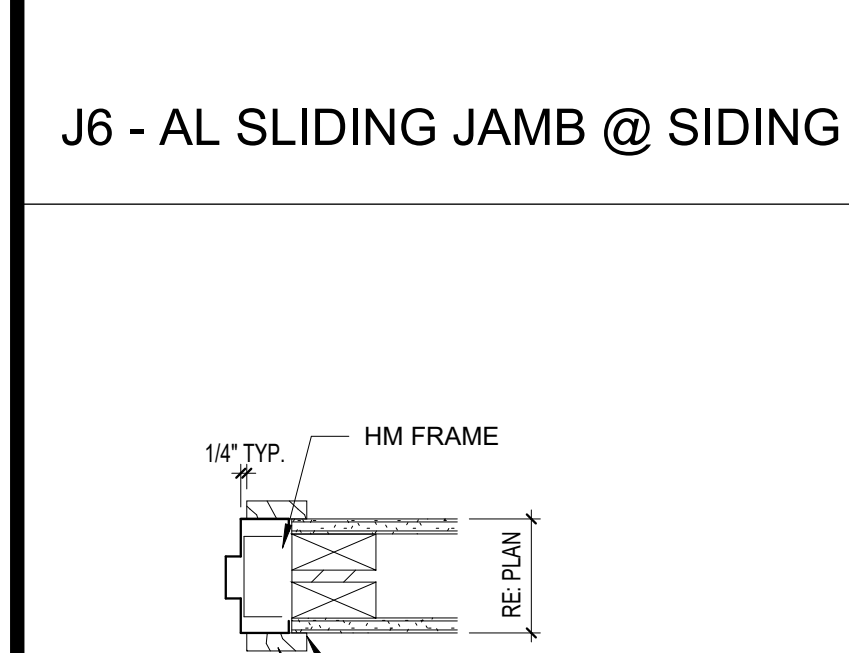
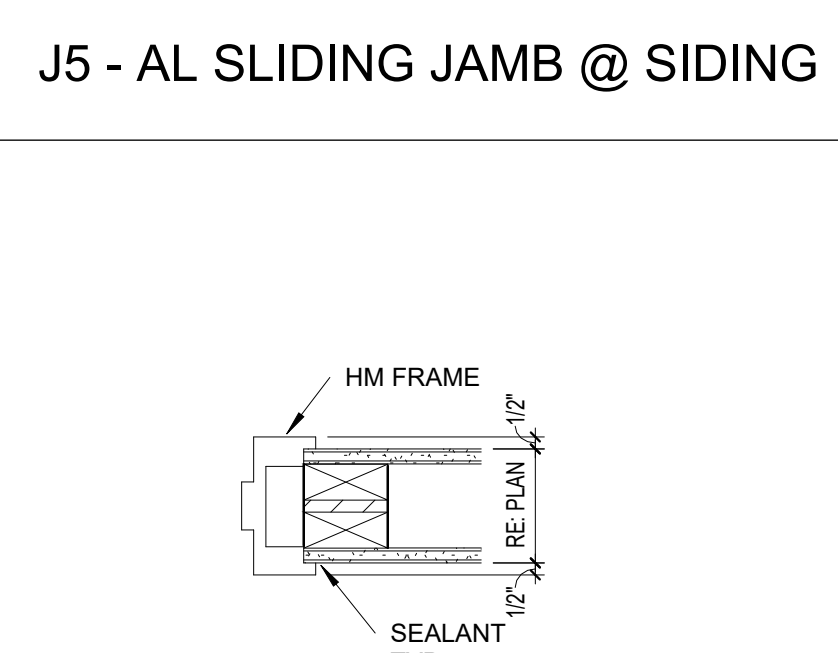
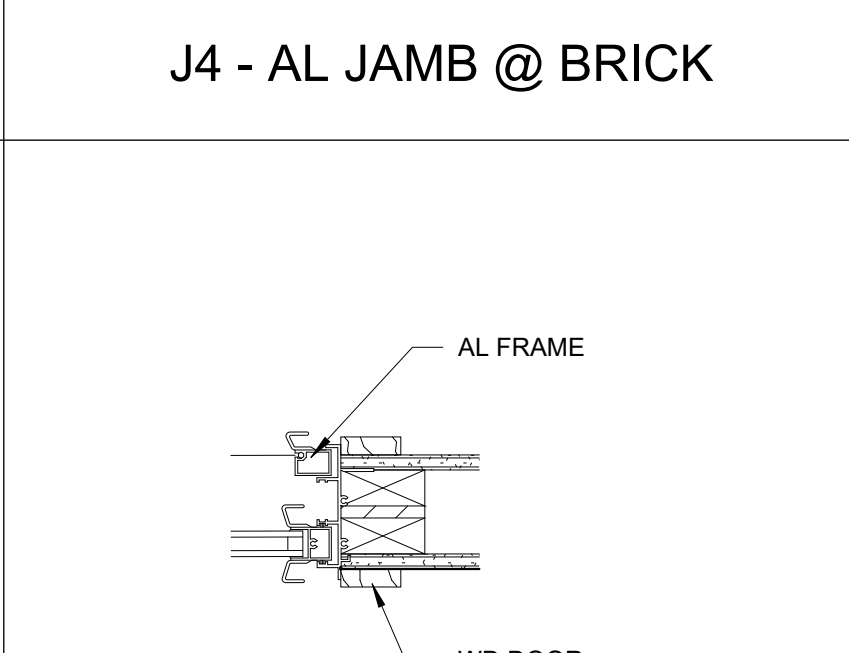
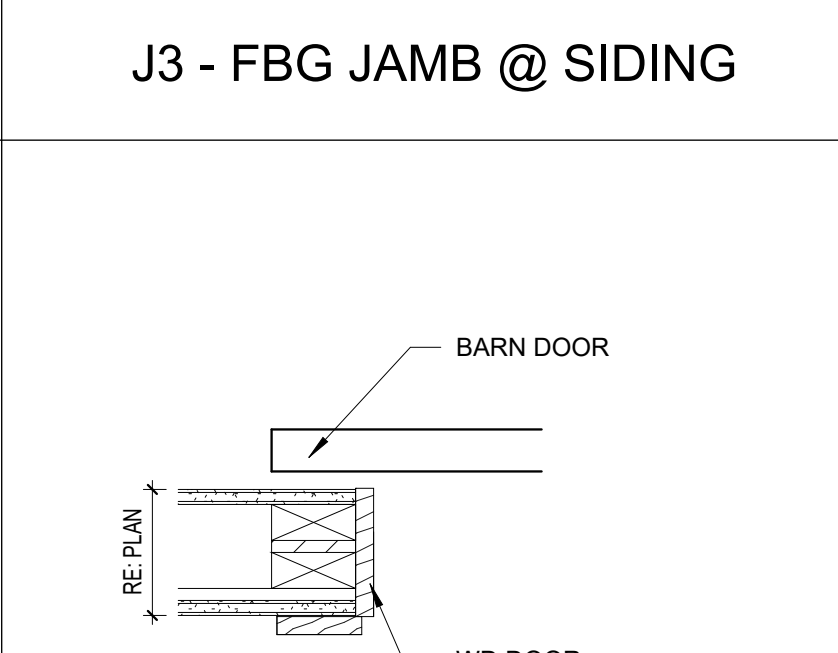
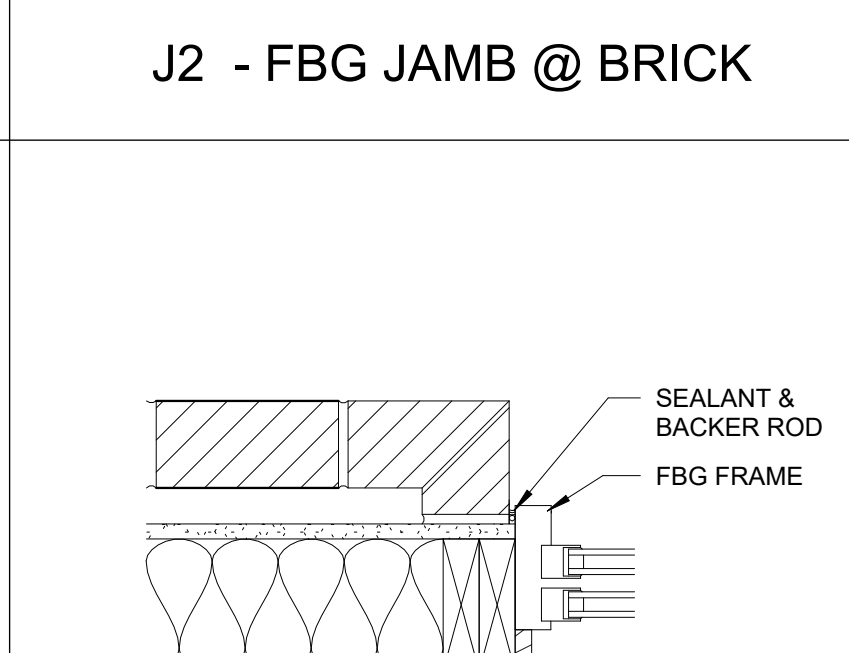
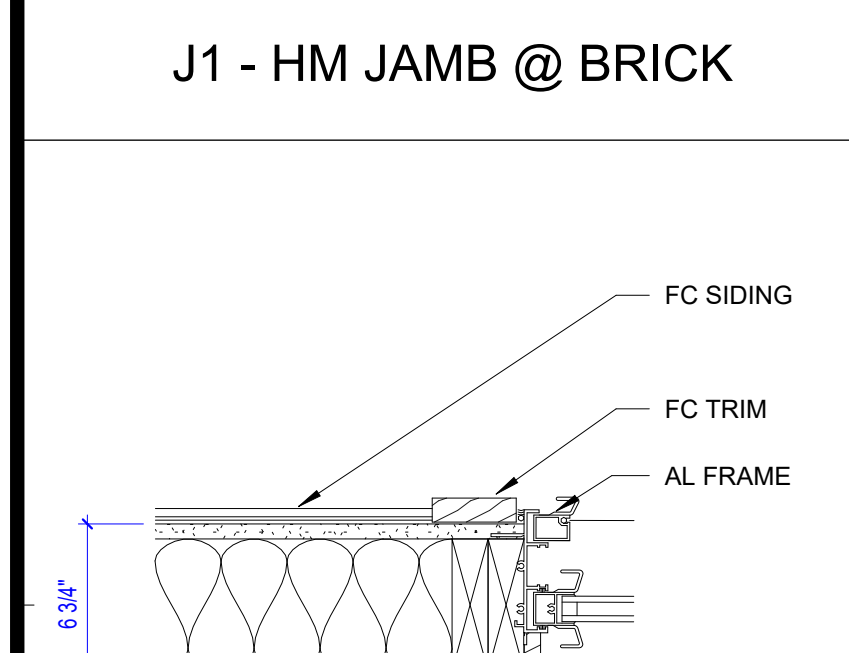
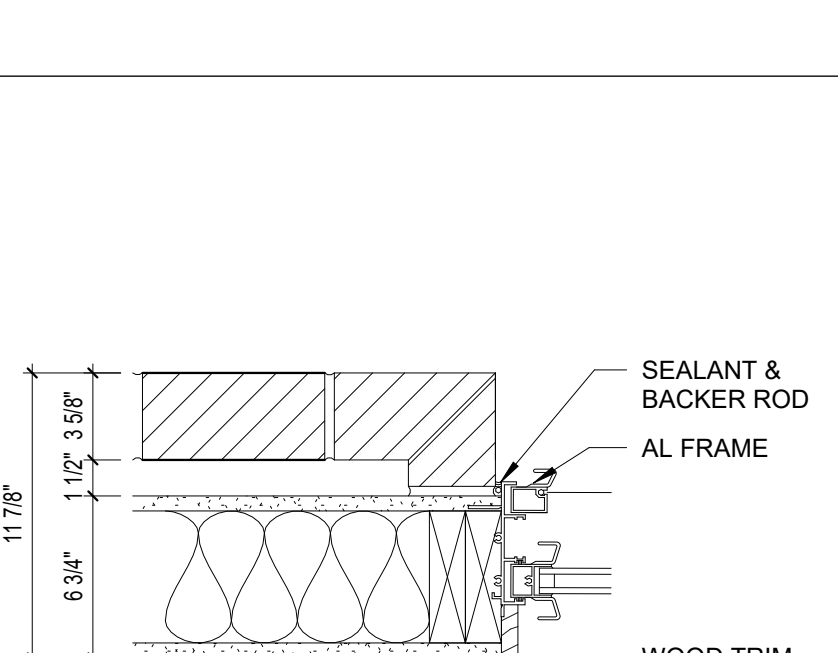
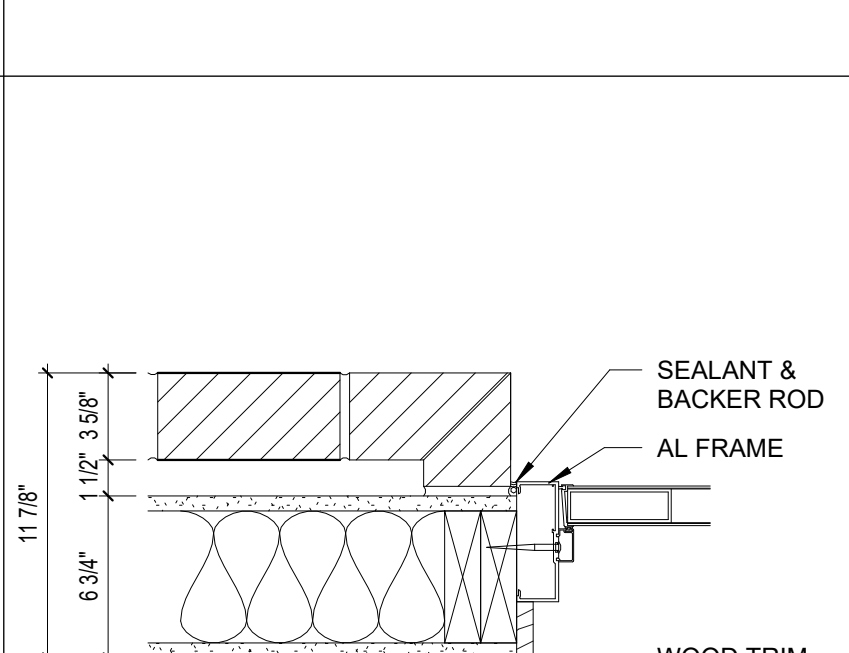
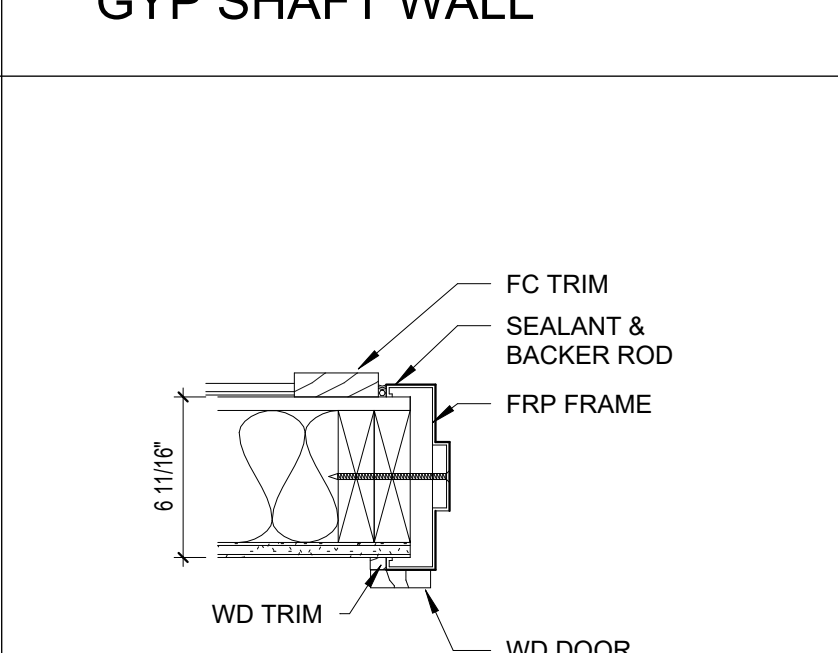
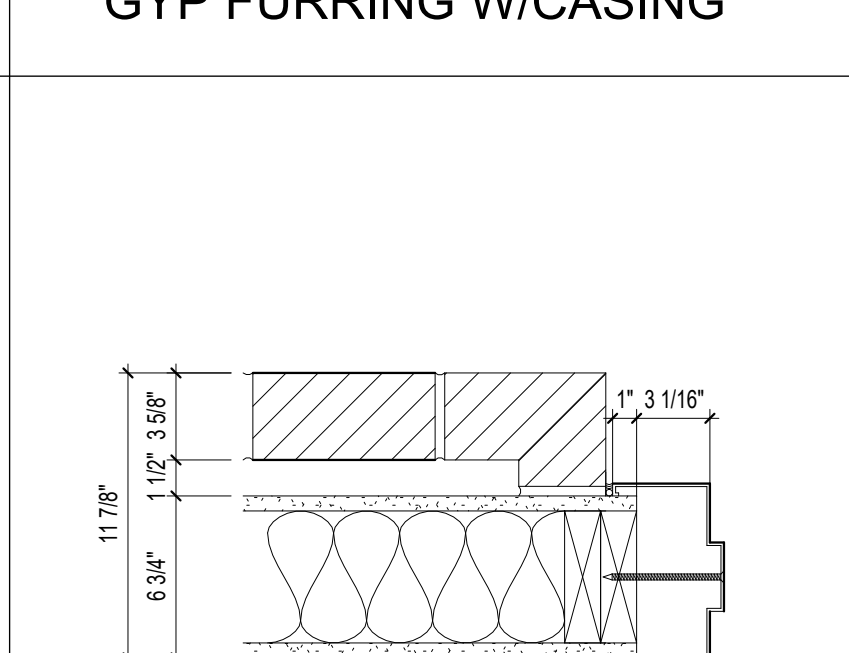
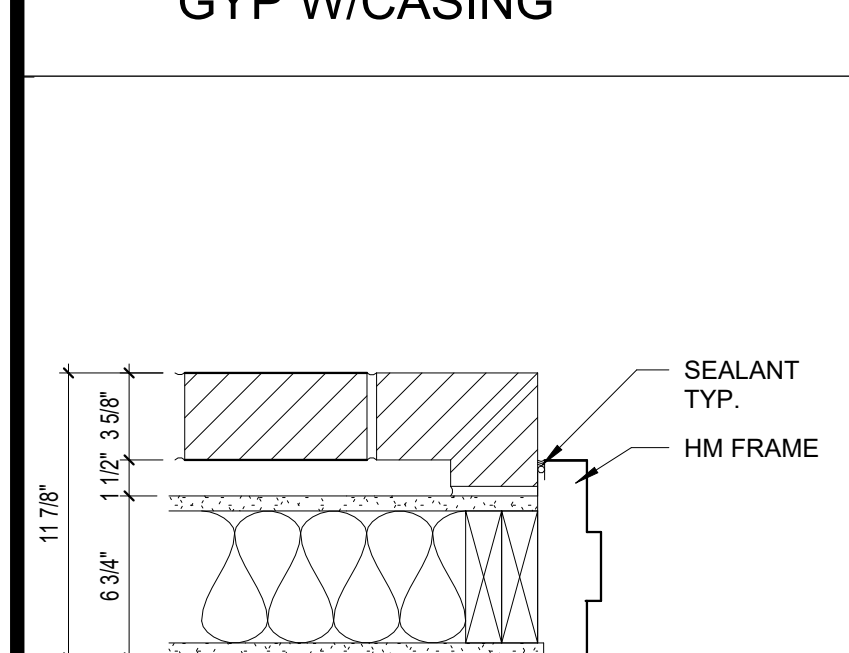
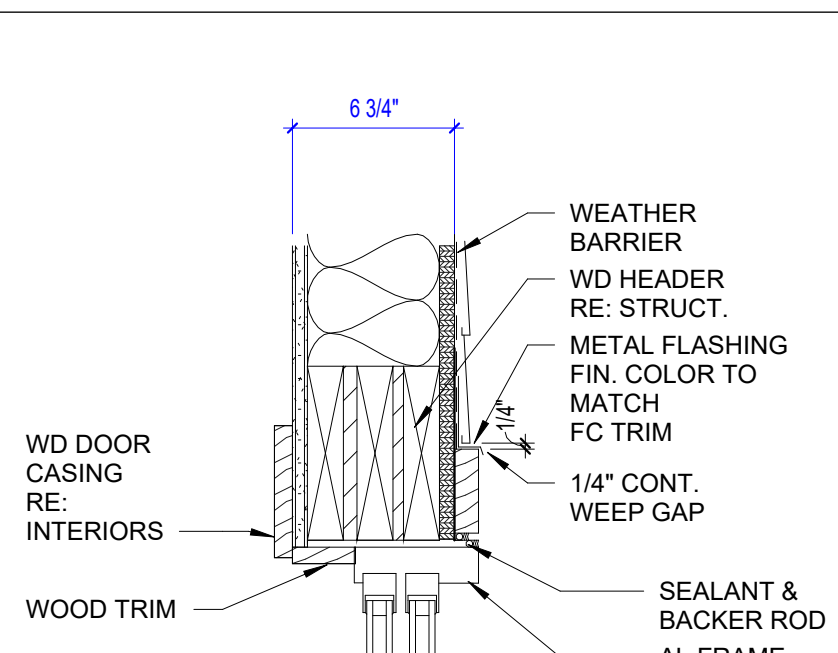
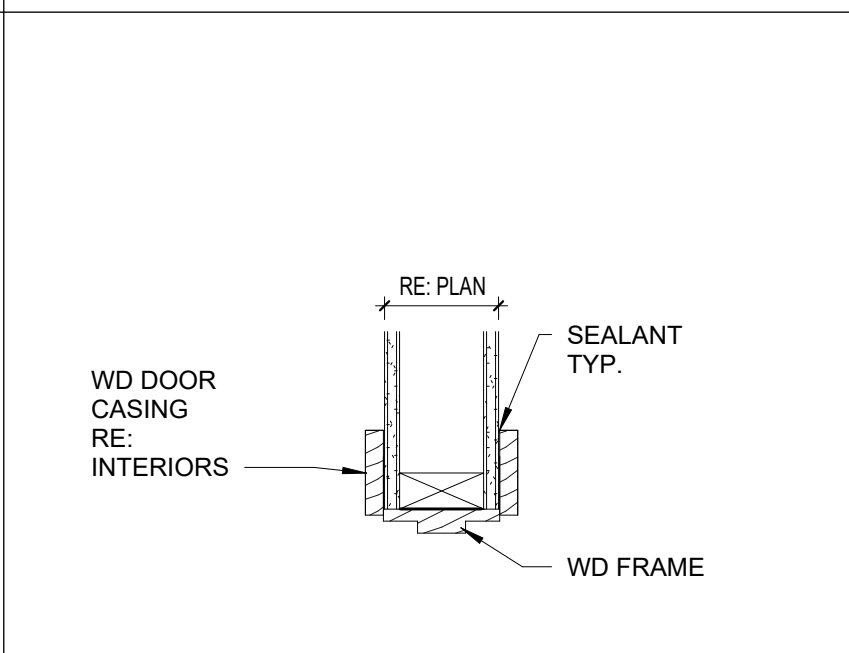
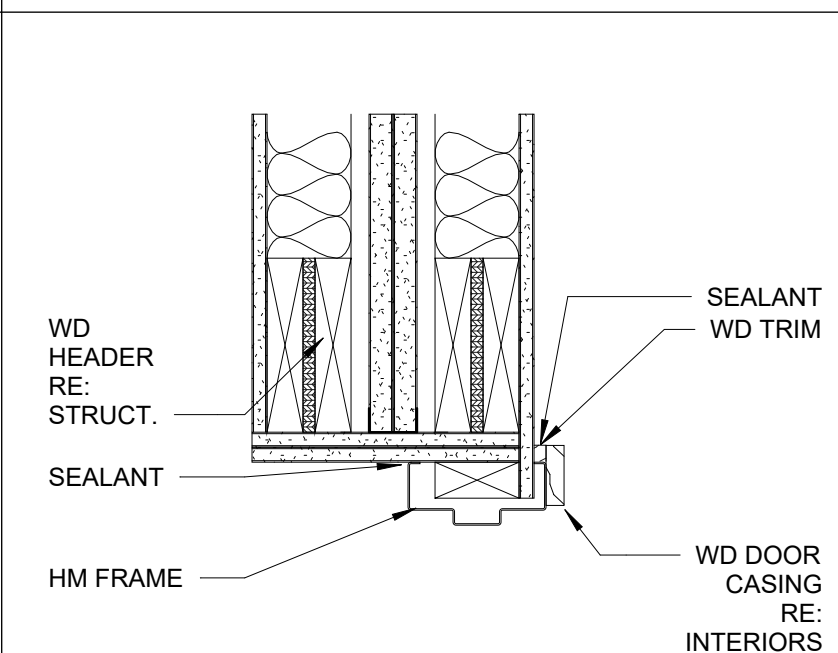
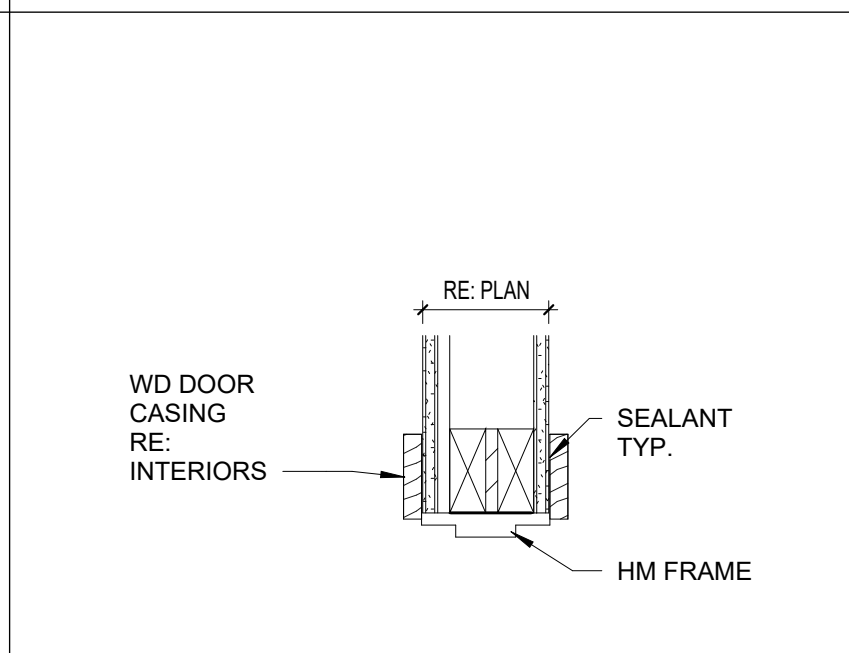
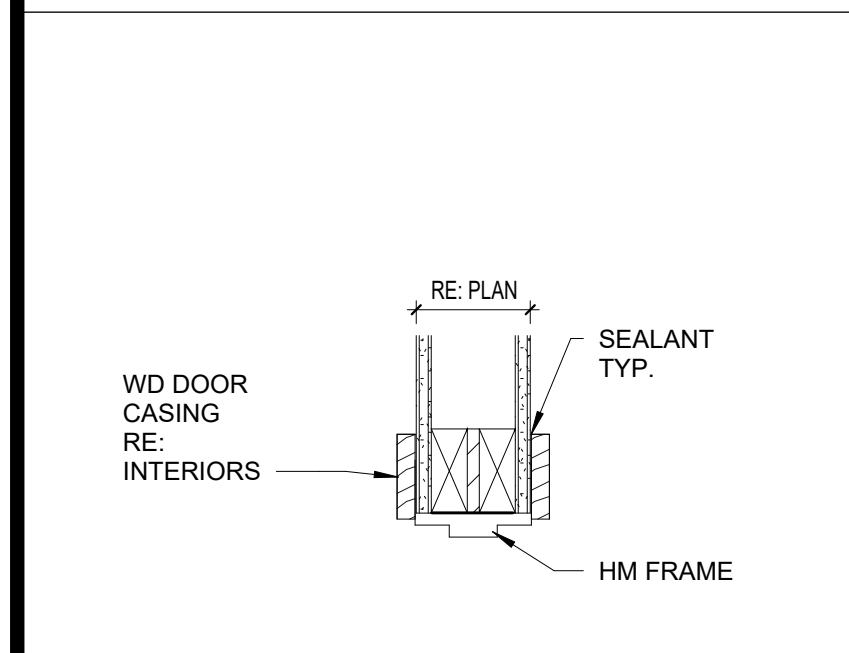
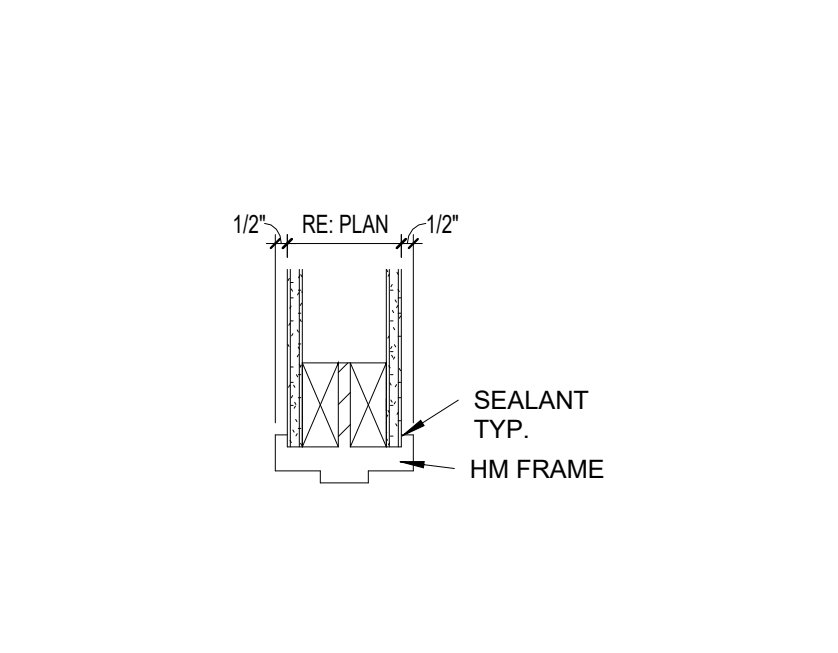
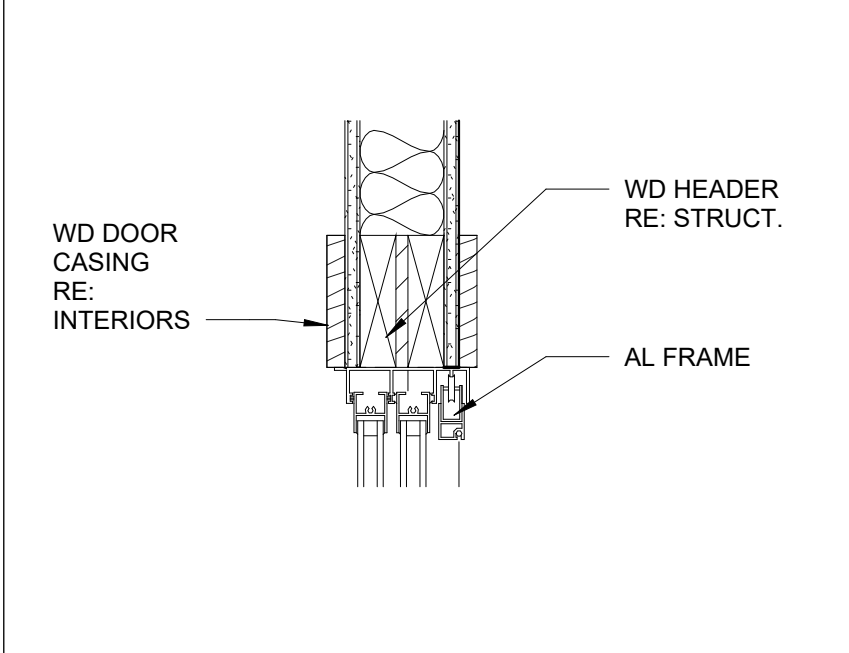
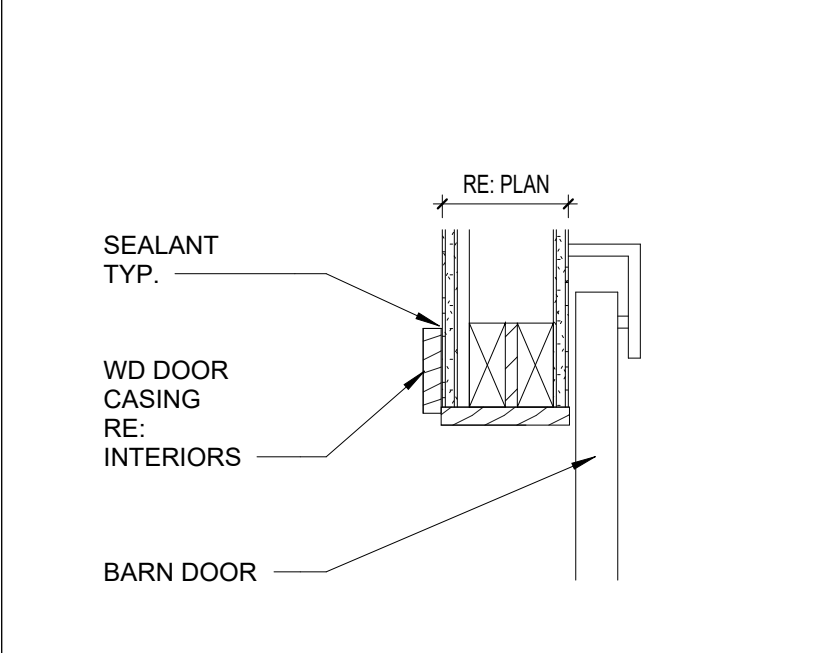
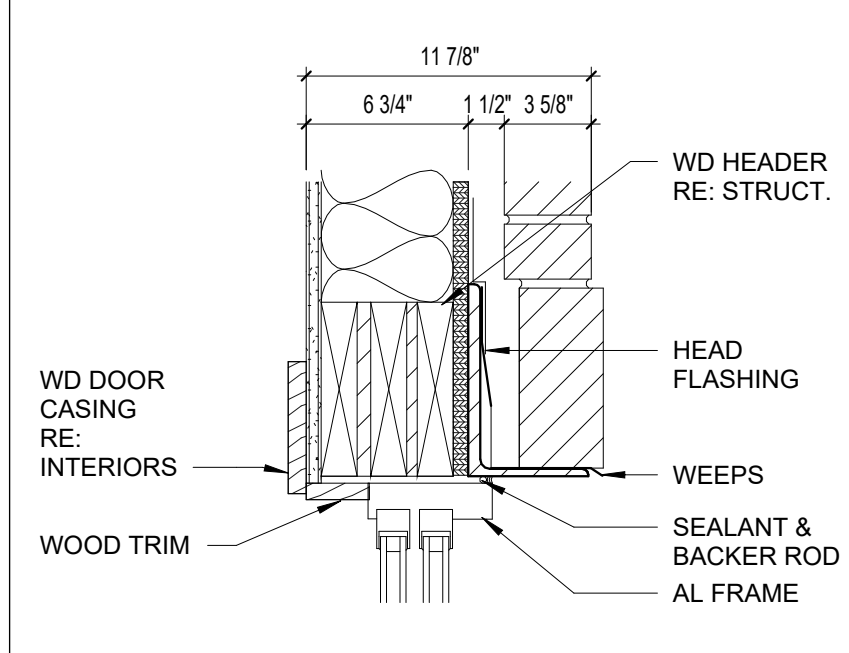
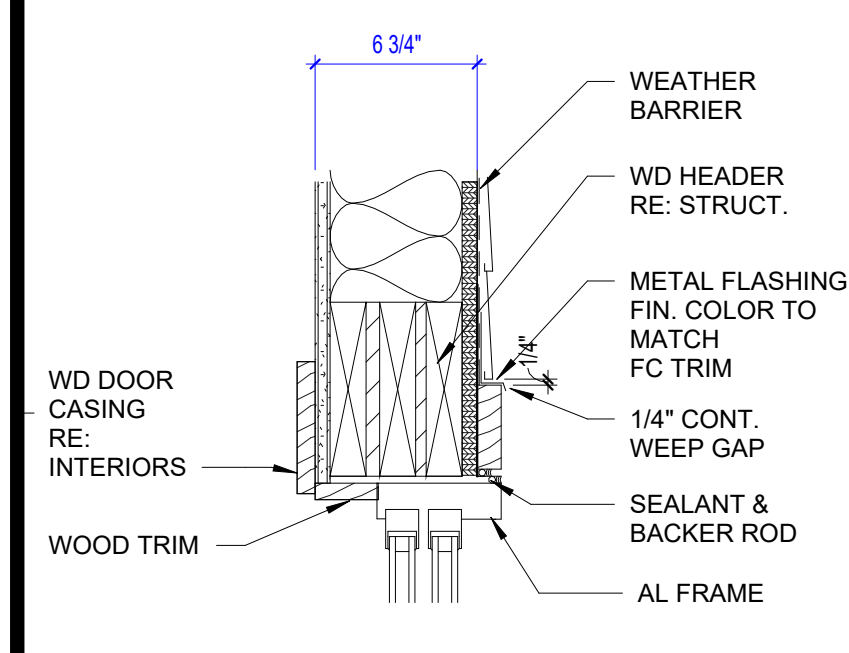
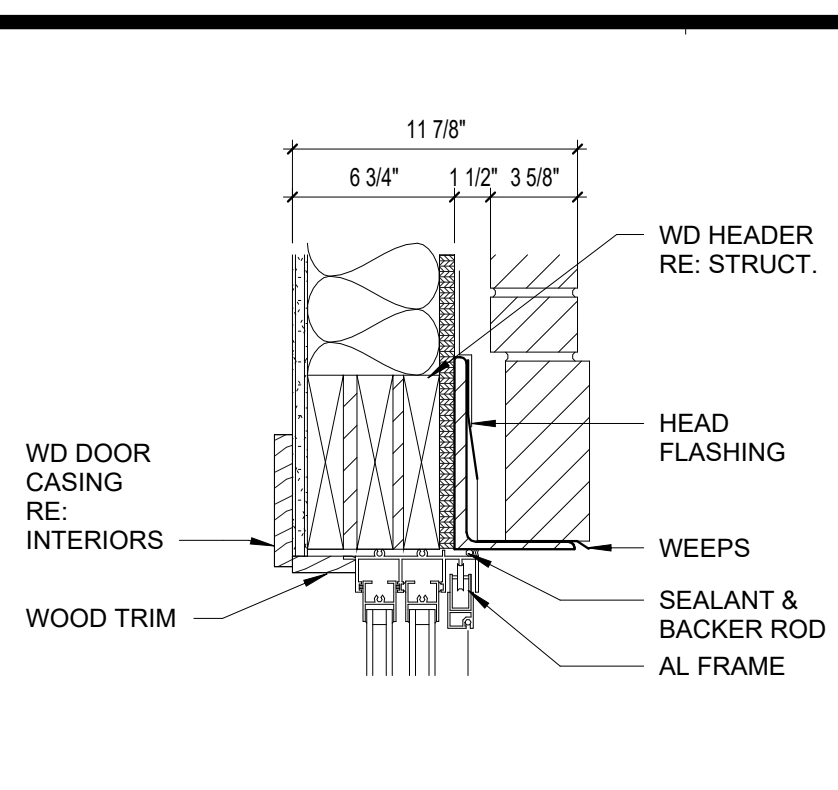
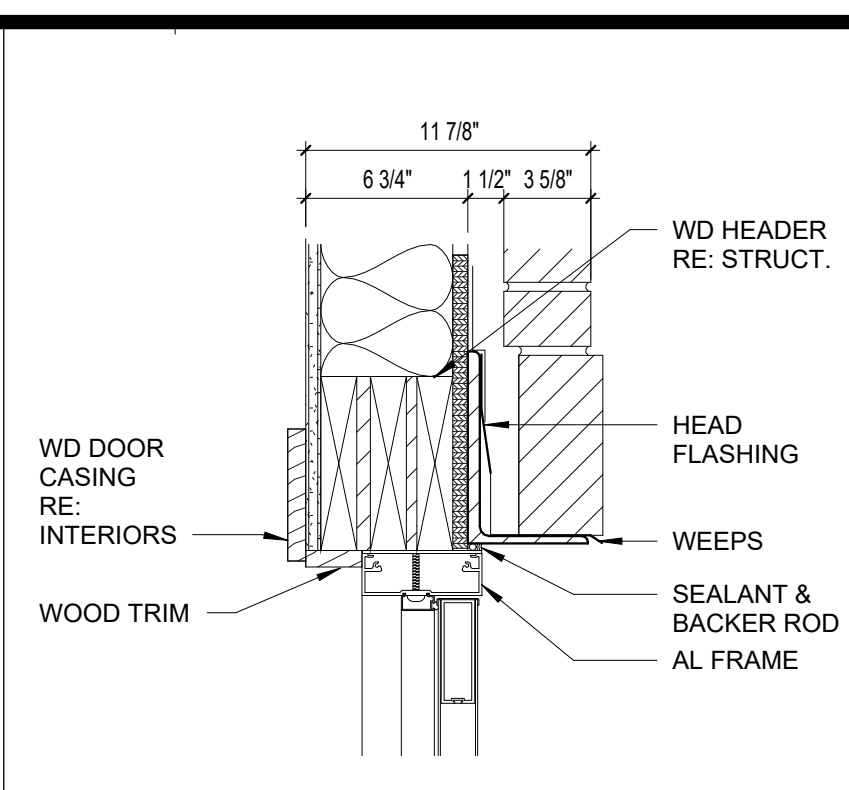
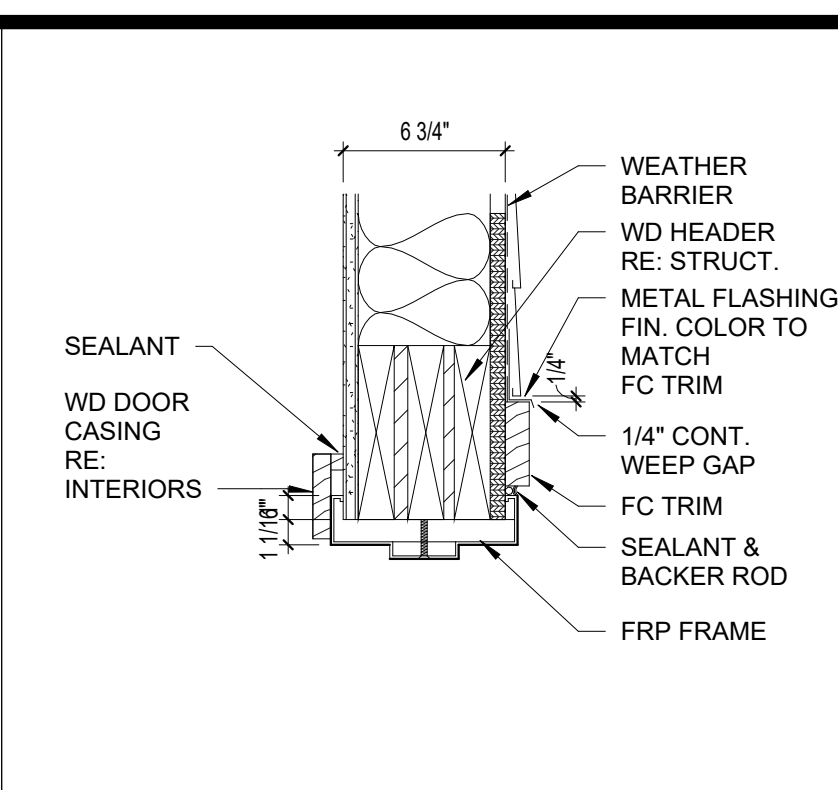
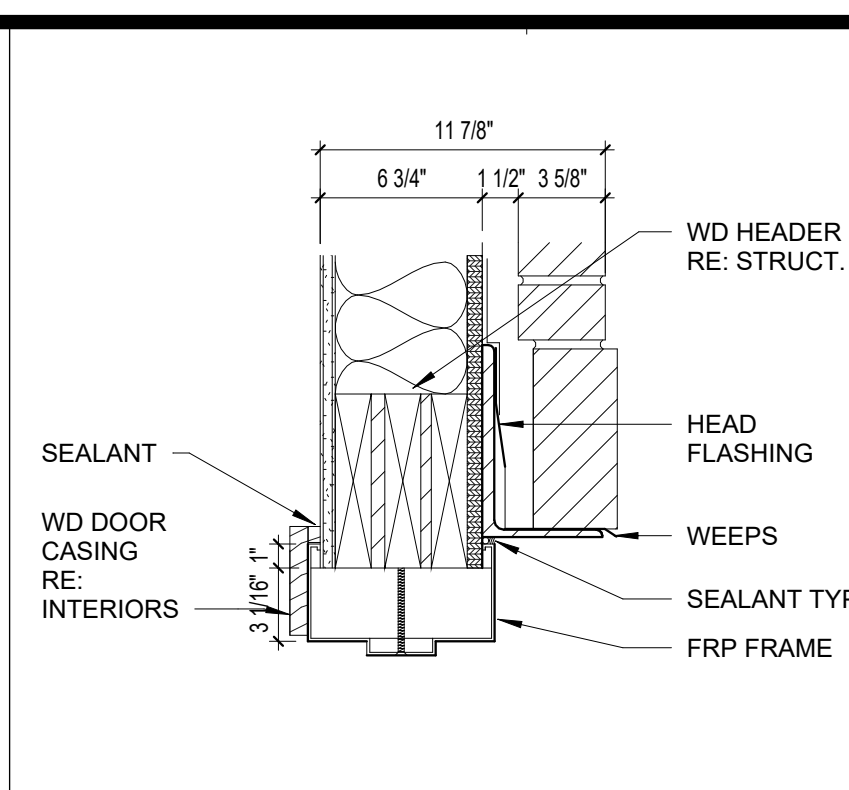
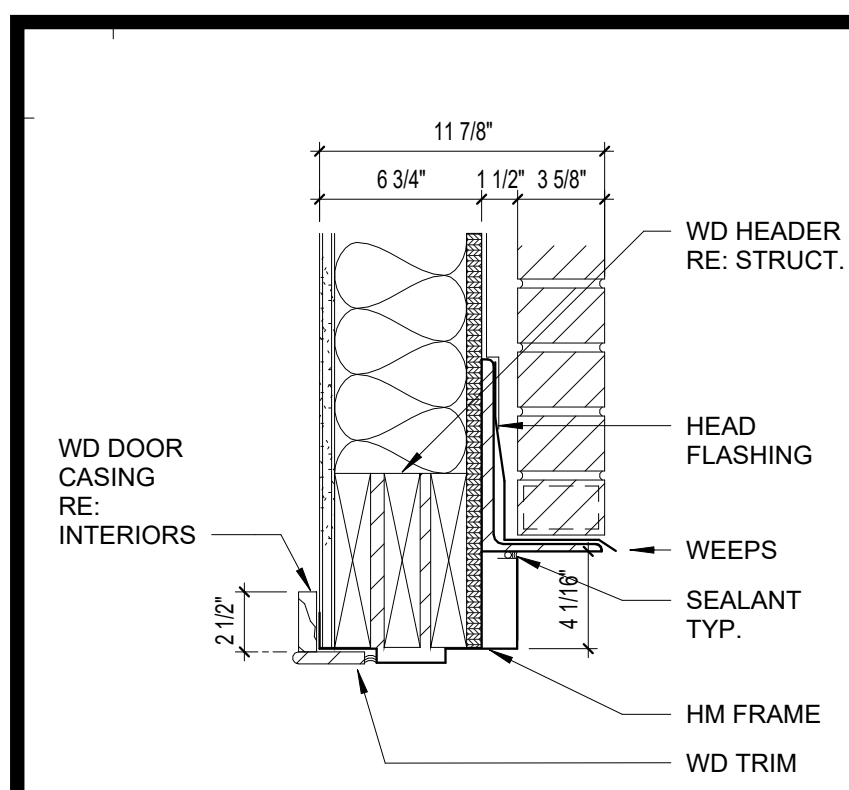
ENLARGED PLANS

DATE: January 5, 2024

COMM. NO. 23104.00

DRAWING

A2.4



DOOR SCHEDULE

ROOM	DOOR				FIRE RATING	FRAME			HARDWARE			ACCESS CNTRL	Comments
	ELEV	TYPE	WIDTH	HEIGHT		ELEV	HEAD	JAMB	LOCK	CLOS			
102	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			Integrated with Smoke Control System
104A	FG	AL	6'-0"	7'-0"		2	H6	J6	8				
104B	FG	AL	6'-0"	7'-0"		2	H9	J9	8			X	
107A	F	HM	3'-0"	7'-0"		2	H1	J1	7	X			Integrated with Smoke Control System
107B	FG	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6			X	
108A	FG	AL	6'-0"	7'-0"		2	H1	J1	8	X			
108B	AL	6'-0"	7'-0"			2	H9	J9	8	X		X	
110	F	HM	(2) 3'-0"	6'-8"	90 MIN	3	H13	J13	5	X			
115	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	10	X			
117	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	11A	X			
118	F	WD	3'-0"	6'-8"		1	H10	J10	11A	X			
120	FG	AL	3'-0"	6'-8"		1	H11	J11	10	X			
125	F	WD	3'-0"	7'-0"		2	H4	J4	9			X	
126	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
127	F	WD	3'-0"	6'-8"		1	H10	J10	4				
128A	F	HM	3'-0"	7'-0"		1	H1	J1	7	X		X	
128B	F	HM	3'-0"	6'-8"	90 MIN	1	H12	J12	6	X			
129	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
136	F	WD	3'-0"	6'-8"	45 MIN	1	H12	J12	10	X			
202	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
205	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	1	X			
206	WD	(2) 3'-0"	6'-8"				H8	J8	11				
207	F	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6	X			
208	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
213	F	HM	(2) 3'-0"	6'-8"	90 MIN	3	H13	J13	5	X			
215	F	WD	3'-0"	6'-8"		1	H12	J12	10	X			
217	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	10	X			
218	F	WD	3'-0"	6'-8"		1	H10	J10	10				
226	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
227	WD	3'-0"	6'-8"			1	H10	J10	4				
228	F	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6	X			
229	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
231	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
232	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	1	X				
302	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
305	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	10	X			
307	F	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6	X			
308	F	WD	3'-0"	6'-8"	90 MIN	1	H13	J13	10	X			
313	HM	(2) 3'-0"	6'-8"	90 MIN	3	H13	J13	5	X				
315	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	10	X			
317	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	10	X			
318	F	WD	3'-0"	6'-8"		1	H10	J10	10				
326	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
327	F	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6	X			
328	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
329	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
331	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	1	X			
336	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
402	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
405	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	3	X				
406	WD	(2) 3'-0"	6'-8"				H8	J8	11				
407	F	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6	X			
408	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
409	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	3	X			
413	F	HM	(2) 3'-0"	6'-8"	90 MIN	1	H13	J13	5	X			
415	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	10	X			
417	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	10	X			
418	F	WD	3'-0"	6'-8"		1	H10	J10	10				
426	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
427	WD	3'-0"	6'-8"			1	H10	J10	4				
428	F	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6	X			
429	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
431	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	2	X			
436	F	WD	3'-0"	6'-8"	20 MIN	1	H12	J12	1	X			
437	F	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6	X			
B2	FG	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6	X			
B3	F	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6	X			
B21	AL	AL	7'-0"				H4	J4	9	X			
C1	F	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6	X			
C2	F	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6	X			
413	F	HM	3'-0"	6'-8"	90 MIN	1	H13	J13	6	X			

MARK	TYPE	DOOR				FIRE RATING	FRAME		HW SET	COMMENTS
		MATERIAL	WIDTH	PAIR	HEIGHT		ELEV	HEAD		
U1	PD	MDF	3'-0"		6'-8"	20 MIN	H12	J12	12	EXTERIOR - INTEGRAL BLINDS
U2	FG-1	FBG	3'-0"		6'-8"		H2H3	J2J3	16	
U3	PD	DF	3'-0"		6'-8"		H14	J14	15	
U4	FG-1	FBG	3'-0"		6'-8"		H7H15	J7/J15	20	EXTERIOR - INTEGRAL BLINDS
U5	PD-1	DF	2'-10"		6'-8"		H14	J14	14	
U6	PD-1	DF	PAIR 2'-6"		6'-8"		H14	J14	13	
U7	PD-1	DF	PAIR 2'-0"		6'-8"		H14	J14	14	
U8	PD-1	DF	PAIR 1'-9"		6'-8"		H14	J14	21	
U9	PD-1	DF	2'-0"		6'-8"		H14	J14	13	
U10	PD/PKT	DF	2'-10"		6'-8"		H14	J14	17	
U11	PD/PKT	DF	PAIR 2'-4"		6'-8"		H14	J14	16	
U12	PD-1	DF	2'-0"		6'-8"		H14	J14	16	

GENERAL NOTES

1. DOORS ARE TO BE INSTALLED SO THE BACK OF THE FRAME IS 4", TYP. TO FACE OF WALL AT INSIDE CORNER, UNLESS NOTED OTHERWISE.

ERMIT SET



1-05-2024

PROJECT TITLE



John Knox Village

SFCS

SFCS Inc. ■ 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 ■ Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : DAS
ARCHITECT : DAS	CHECKED : AAT
ENGINEER : DES	APPROVED : CRJ
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE
DOOR SCHEDULE

DATE:	January 5, 2024	DRAWING A4.1
COMM. NO.	23104.00	

STRUCTURE									
CLG									
ACTUAL		3 1/2"	4 3/4"	4 3/4"	5 1/4"	4 3/4"	VARIES	VARIES	6 3/4"
TYPE		A1	CC	CC1	D1	EE	FF - TENANT/CORRIDOR WALL (NON-LOAD BEARING)	FF1 - TENANT/CORRIDOR WALL/ SHEAR WALL (LOAD BEARING)	GG
FIRE RATING		1 HR - UL U423		1 HR - UL U305	1 HR - UL U311		1 HR- UL U311	1 HR- UL U311	
SOUND RATING			STC - 56* WHEN CONSTRUCTED ACCORDING TO ITEM #9 IN UL ASSEMBLY U305.	STC - 56* WHEN CONSTRUCTED ACCORDING TO ITEM #9 IN UL ASSEMBLY U305.			STC 56	STC 56	STC - 46

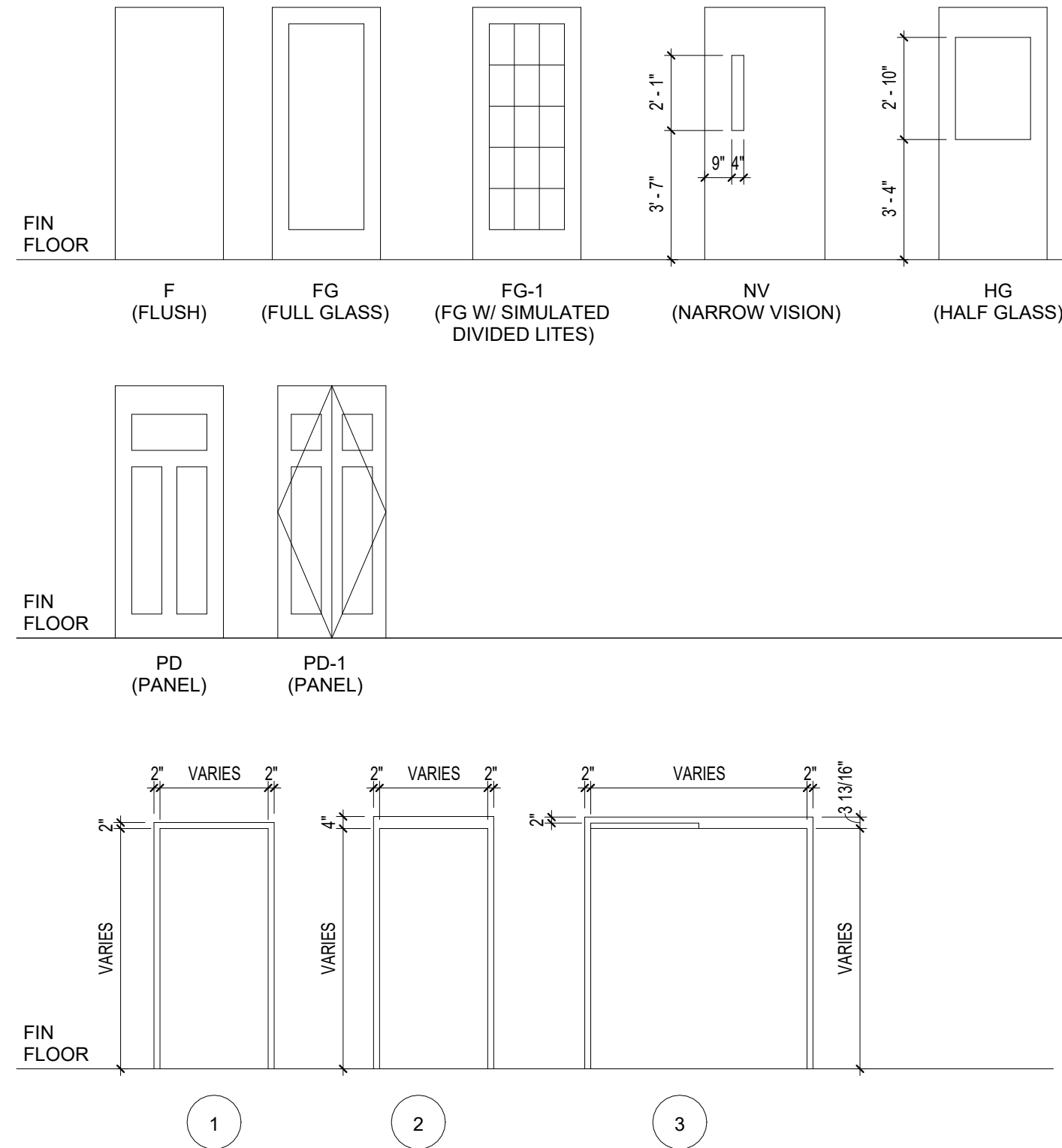
STRUCTURE									
CLG									
ACTUAL		7 7/8"	2 1/8"	9 3/8"	4 1/8"	6"	8"	3 1/2"	7 5/8"
TYPE		HH - CORRIDOR (NON-LOAD BEARING)	JJ	K	LL	MM2	NN2	(LOAD BEARING)	W
FIRE RATING		-		1 HR		1 HR - UL U311	1 HR - UL U311	2 HR- UL U347	2 HR CMU UL U306
SOUND RATING		STC-50						--	

PARTITION NOTES:

- NOTE 1: SOUND RATING WHERE NOTED ON PLANS.
- NOTE 2: LINE OF SUBSTRATE.
- NOTE 3: GWB SHALL BE ACOUSTICALLY SEALED TO STRUCTURE AT SOUND RATED PARTITIONS. APPLY SEALANT AROUND ALL CUT OUTS IN GWB WALL. CAULK SIDES AND BACK OF ELECTRICAL BOXES.
- NOTE 4: PROVIDE DEEP LEG TOP TRACK RUNNERS FOR MINIMUM 5/8" DEFLECTION GAP.
- NOTE 5: DESIGNATED STC RATINGS APPLY TO SOUND RATED PARTITIONS.

PARTITIIONS TYPES-
3/4" = 1'-0"

NOTE: ALL GLAZING IN FIXED AND OPERABLE PANELS OF DOORS SHALL BE SAFETY GLAZING PER SECTION 2406.



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

APPLIANCE SCHEDULE

MARK	ITEM	MANUF	MODEL #	DESCRIPTION
P1	REFRIGERATOR	GENERAL ELECTRIC	GS523	SHSS STAINLESS STEEL
P2	RANGE	GENERAL ELECTRIC	JS645	SJSS STAINLESS STEEL
P3	NOT USED			
P4	DISHWASHER	GENERAL ELECTRIC	GDF645	SSNS STAINLESS STEEL
P5	GARBAGE DISPOSAL	GENERAL ELECTRIC	GFC530V	
P6	WASHER DRYER	LG	WKE100H_AWKG101_A	WHITE SEE UNIT PLANS FOR LOCATION
P7	UNDERCOUNTER REFRIGERATOR	GENERAL ELECTRIC	GCE06GSHSB	SLSS STAINLESS STEEL
P8	REFRIGERATOR	GENERAL ELECTRIC	GZS22DSJSS	ACCESSIBLE UNITS (SS = STAINLESS STEEL) - COUNTER-DEPTH
P9	DISHWASHER	GENERAL ELECTRIC	GLDA696F	ACCESSIBLE UNITS (SS = STAINLESS STEEL)
P10	MICROWAVE	GENERAL ELECTRIC	PEM31	SLSS STAINLESS STEEL
P11	UNDER THE CABINET HOOD	GENERAL ELECTRIC	JVX3300	SJSS STAINLESS STEEL
P12	WASHER	GENERAL ELECTRIC	GFW560	SSNWW WHITE SEE UNIT PLANS FOR LOCATION
P13	DRYER	GENERAL ELECTRIC	GFD55E	SSNWW WHITE SEE UNIT PLANS FOR LOCATION

APPLIANCE SCHEDULE
12" = 1'-0"

TOILET ACCESSORY SCHEDULE

MARK	ITEM	MODEL #/FIN	MANUF	MT.HT.	SIZE	REMARKS
1	TOILET PAPER HOLDER	YB5408BN	MOEN: KINGSLEY SERIES/BRUSHED NICKEL	CENTERLINE AT 21" AFF		TO BE INSTALLED IN ALL RESIDENT UNIT TOILETS
2	TOILET PAPER DISPENSER	56798	GEORGIA PACIFIC	CENTERLINE AT 19" AFF		TO BE INSTALLED IN ALL PUBLIC TOILETS
3	VERTICAL GRAB BAR	YG5418BN	MOEN: KINGSLEY SERIES/BRUSHED NICKEL	BOTTOM AT 41" AFF	18"	PROVIDE BLOCKING ALL UNITS AND INSTALL WHERE NOTED IN CUSTOMIZATION
4	GRAB BAR	YG5436BN	MOEN: KINGSLEY SERIES/BRUSHED NICKEL	TOP AT 36" AFF	36"	PROVIDE BLOCKING ALL UNITS AND INSTALL WHERE NOTED IN CUSTOMIZATION
5	GRAB BAR	YG5442BN	MOEN: KINGSLEY SERIES/BRUSHED NICKEL	TOP AT 36" AFF	42"	PROVIDE BLOCKING ALL UNITS AND INSTALL WHERE NOTED IN CUSTOMIZATION
6	VERTICAL GRAB BAR	B-6806X18	BOBRICK/SATIN FINISH	BOTTOM AT 41" AFF	18"	INSTALL AT ALL UNIT MASTER BATH SHOWERS
7	GRAB BAR	B-6806X36	BOBRICK/SATIN FINISH	TOP AT 36" AFF	36"	PROVIDE BLOCKING/TO BE INSTALLED IN ALL PUBLIC TOILETS
8	GRAB BAR	B-6806X42	BOBRICK/SATIN FINISH	TOP AT 36" AFF	42"	PROVIDE BLOCKING/TO BE INSTALLED IN ALL PUBLIC TOILETS
9	COMBINATION GRAB BAR	CUSTOM-SEE PLAN	BY SHOWER MANUFACTURER	TOP AT 36" @ SHOWER FF		INSTALL AT ALL UNIT MASTER BATH SHOWERS
10	TOWEL RING	YB5466BN	MOEN: KINGSLEY SERIES/BRUSHED NICKEL	CENTERLINE AT 50" AFF		PROVIDE BLOCKING/TO BE INSTALLED IN ALL RESIDENT UNIT TOILETS
11	TOWEL BAR	YG5424BN	MOEN: KINGSLEY SERIES/BRUSHED NICKEL	CENTERLINE AT 46" AFF	24"	PROVIDE BLOCKING/TO BE INSTALLED IN ALL RESIDENT UNIT TOILETS
12	MIRROR	CUSTOM	GUARDIAN INDUSTRIES W/ 2" FLAT STOCK FRAME	MIRROR BOTTOM AT 40" AFF	36"W X 36" H	MIRROR BOTTOM AT 38" AFF IN ACCESSIBLE UNITS
13	MIRROR	CUSTOM	GUARDIAN INDUSTRIES W/ 2" FLAT STOCK FRAME	MIRROR BOTTOM AT 40" AFF	44"W X 36" H	MIRROR BOTTOM AT 38" AFF IN ACCESSIBLE UNITS
14	MIRROR	CUSTOM	GUARDIAN INDUSTRIES W/ 2" FLAT STOCK FRAME	MIRROR BOTTOM AT 40" AFF	48"W X 36" H	MIRROR BOTTOM AT 38" AFF IN ACCESSIBLE UNITS
15	MIRROR	CUSTOM	GUARDIAN INDUSTRIES W/ 2" FLAT STOCK FRAME	MIRROR BOTTOM AT 40" AFF	72"W X 36" H	MIRROR BOTTOM AT 38" AFF IN ACCESSIBLE UNITS
16	SHOWER DOOR		SOUTHEASTERN ALUMINUM SLIDING BYPASS			FINISH 16 (ARCHITECTURAL) TO BE INSTALLED IN ALL RESIDENT UNIT SHOWERS
17	SOAP DISPENSER	52054	GEORGIA PACIFIC			TO BE INSTALLED IN ALL PUBLIC TOILETS
18	SANITARY NAPKIN DISPOSAL	B-270	BOBRICK/SATIN FINISH	TOP AT 30" AFF		PROVIDE BLOCKING/TO BE INSTALLED IN ALL WOMENS PUBLIC TOILETS AND UNI-SEX TOILETS
19	TOWEL DISPENSER/WASTE REC.	59451	GEORGIA PACIFIC	TOWEL DISPENSER AT 48" AFF		TO BE INSTALLED IN ALL PUBLIC TOILETS
20	CLOSET SHELF AND ROD	CLOSETMAID VINYL	COATED STEEL 12" DEPTH SHELF & ROD WIRE SHELF	CENTERLINE AT 66" AFF		PROVIDE BLOCKING/TO BE INSTALLED IN ALL RESIDENT UNITS. CENTERLINE AT 48" AFF AT ALL ACCESSIBLE UNITS
21	CLOSET SHELF AND ROD	CLOSETMAID VINYL	COATED STEEL 8" DEPTH SHELF & ROD WIRE SHELF	CENTERLINE AT 66" AFF		PROVIDE BLOCKING/TO BE INSTALLED IN ALL RESIDENT UNITS. CENTERLINE AT 48" AFF AT ALL ACCESSIBLE UNITS
22	DOUBLE ROBE HOOK	6727	BOBRICK/SATIN FINISH	CENTERLINE AT 48" AFF		TO BE INSTALLED IN ALL PUBLIC TOILETS
23	DOUBLE ROBE HOOK		LIBERTY HARDWARE WINDEMERE (STAINLESS)	CENTERLINE AT 66" AFF		PROVIDE BLOCKING/TO BE INSTALLED IN ALL RESIDENT UNITS. CENTERLINE AT 48" AFF AT ALL ACCESSIBLE UNITS
24	FOLDING SHOWER SEAT	B-5191	BOBRICK/SATIN FINISH			TO BE INSTALLED IN BOTH ADA SHOWERS
25	FOLD DOWN GRAB BARS	3413-25	ASI			W/INTEGRAL TOILET PAPER HOLDER
26	SHOWERCURTAIN ROD	DN2160BN	MOEN/BRUSHED NICKEL	CENTERLINE AT 76" AFF		TO BE INSTALLED IN RESIDENT UNIT TUBS
27	MIRROR	CUSTOM	GUARDIAN INDUSTRIES W/ BEVELED EDGE	MIRROR BOTTOM AT 40" AFF	30"W X 36" H	FRAMELESS: TO BE INSTALLED IN ALL PUBLIC TOILETS. PROVIDE BACKING TO INSTALL MIRROR FLUSH WITH TILE
28	MIRROR	CUSTOM	GUARDIAN INDUSTRIES W/ 2" FLAT STOCK FRAME	MIRROR BOTTOM AT 40" AFF	27"W X 36" H	MIRROR BOTTOM AT 38" AFF IN ACCESSIBLE UNITS



TOILET ACCESSORY SCHEDULE
12" = 1'-0"

PERMIT SET



PROJECT TITLE



COURTYARDS - BUILDING E

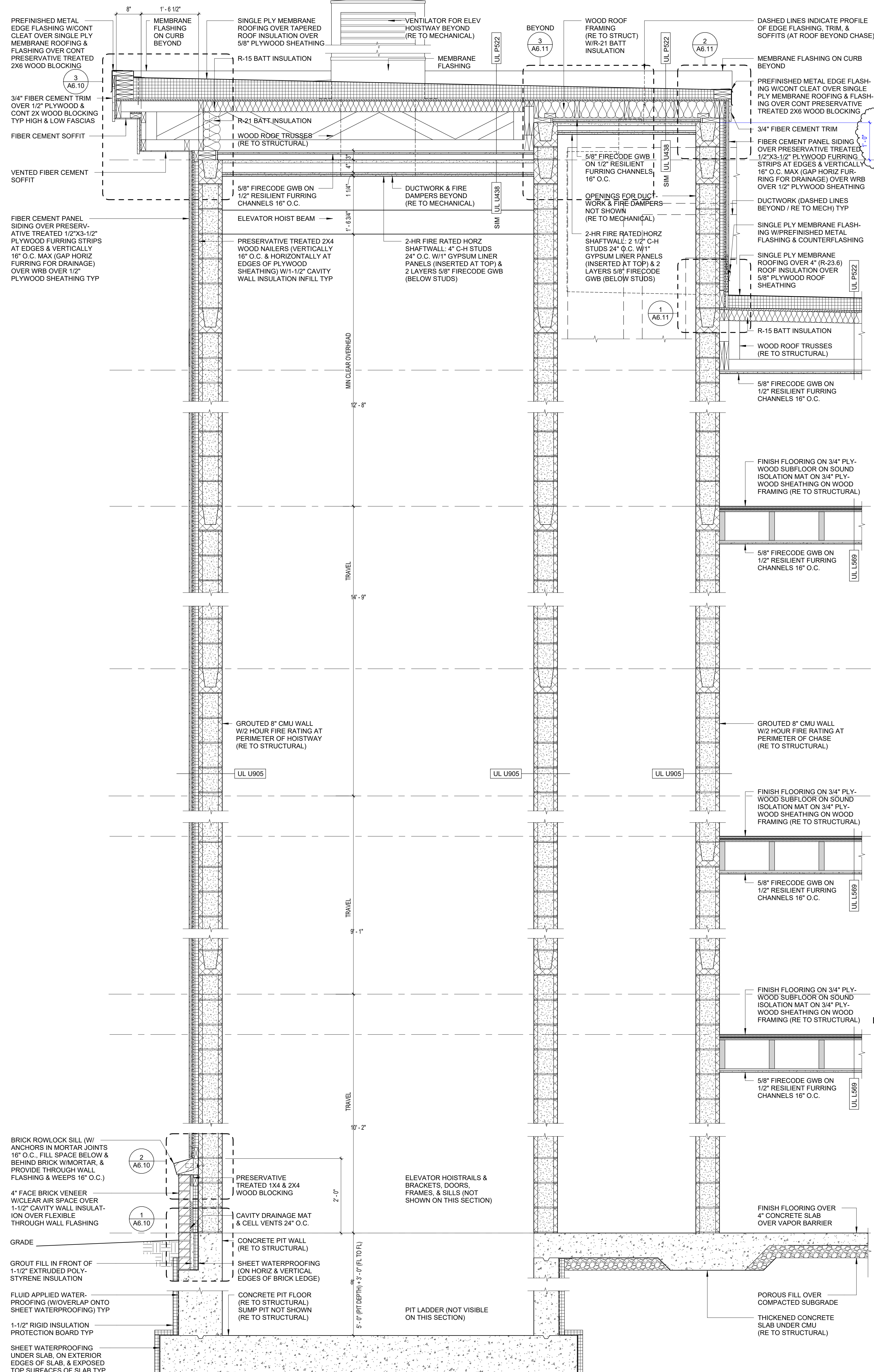
SFC
Architecture
Engineering
Planning
Interiors
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfc.com

DESIGNER : DAS	DRAWN : DAS
ARCHITECT : DAS	CHECKED : AAT
ENGINEER :	APPROVED : CRJ
NO.	REVISION DESCRIPTION
2	Rev 1 - Permit Comments
	02/15/24

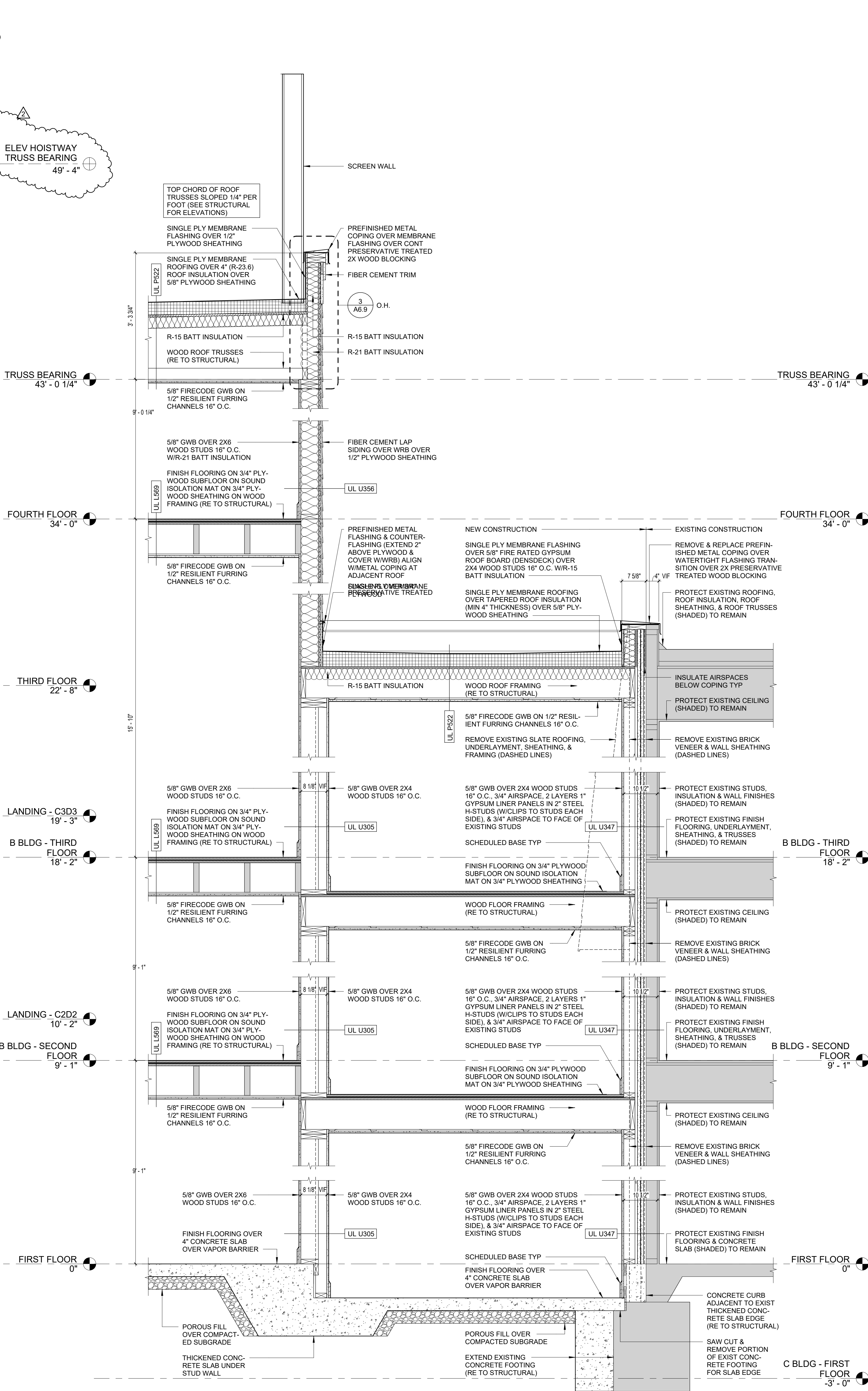
DRAWING TITLE

PARTITION TYPES,
APPLIANCE SCH. & TOILET
ACCESSORY SCH.

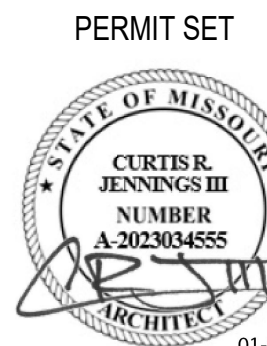
DATE:	January 5, 2024	DRAWING
COMM. NO.	23104.00	A4.2



2 ELEVATOR #1 HOISTWAY SECTION
3/4" = 1'-0"



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



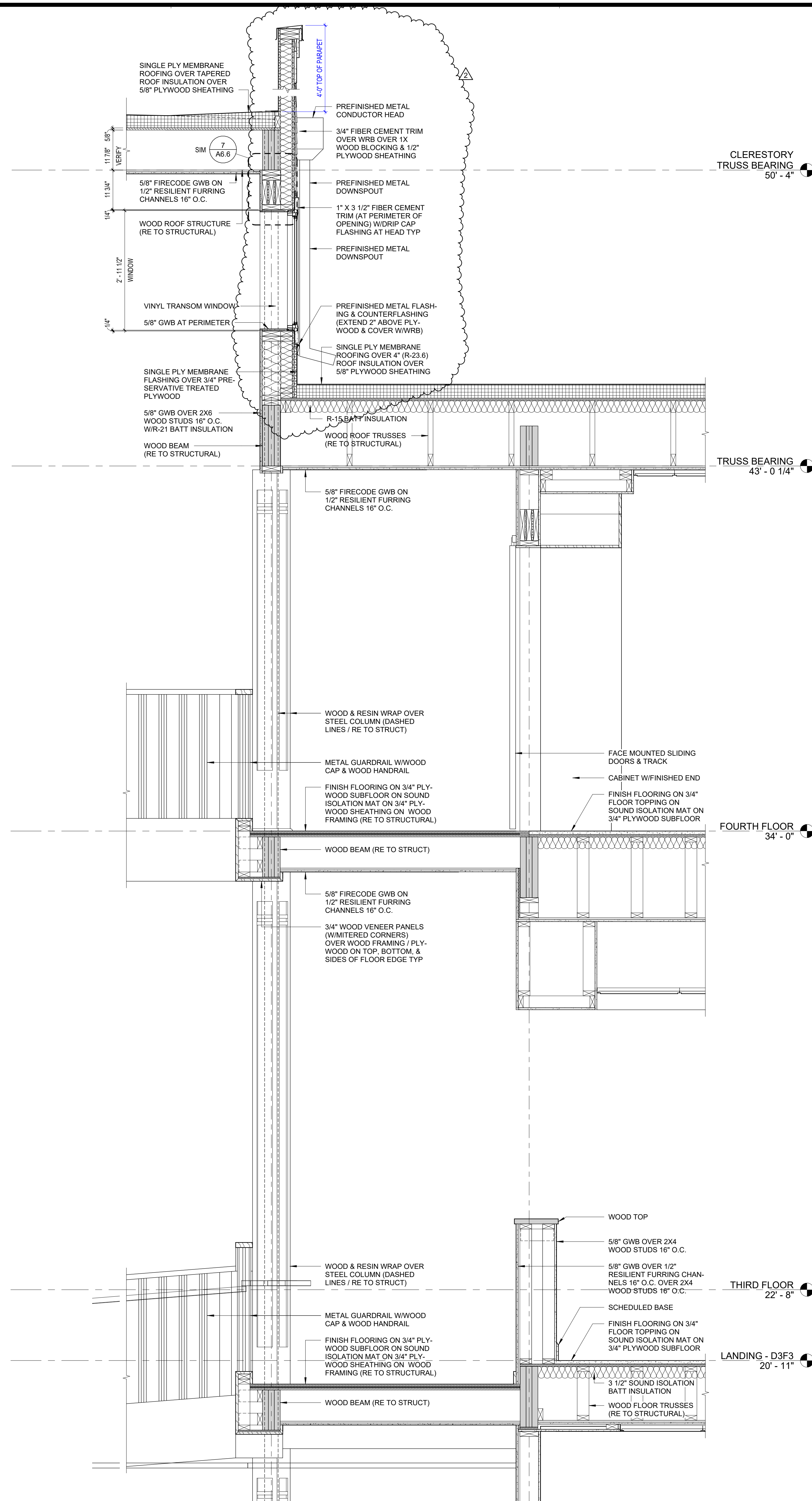
COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcscorp.com

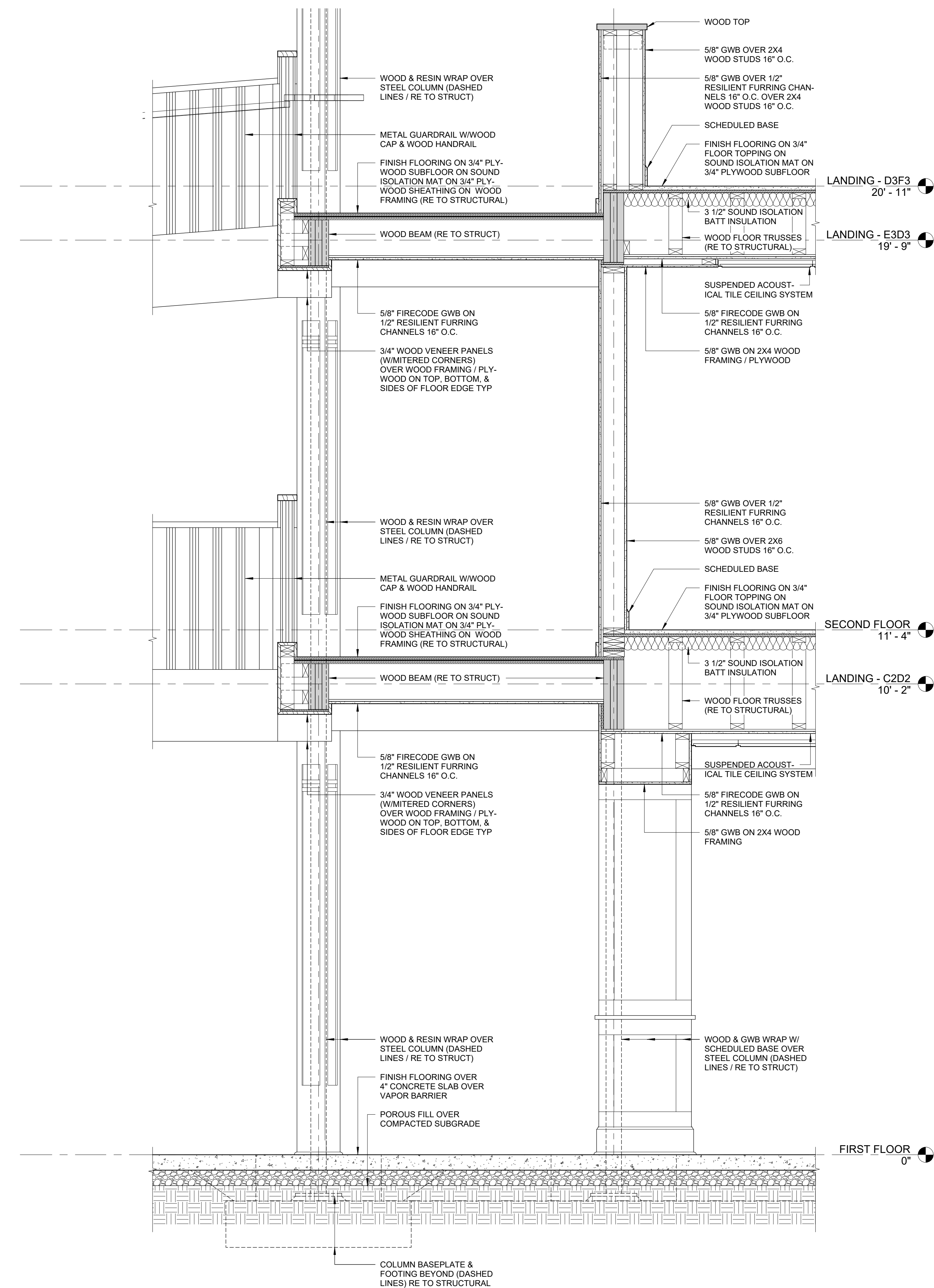
DESIGNER : DAS	DRAWN : JAM
ARCHITECT : DAS	CHECKED : AAT
ENGINEER :	APPROVED :
NO. 2	REVISION DESCRIPTION DATE
Rev 1 - Permit Comments	02/15/24

DRAWING TITLE
WALL SECTIONS

DATE: January 5, 2024
DRAWING: A6.4
COMM. NO. 23104.00



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



PERMIT SET

STATE OF MICHIGAN
CLUBB JENNINGS III
NUMBER
A-2000000000
ARCHITECT
01-05-2024

PROJECT TITLE


John Knox Village
COURTYARDS - BUILDING E

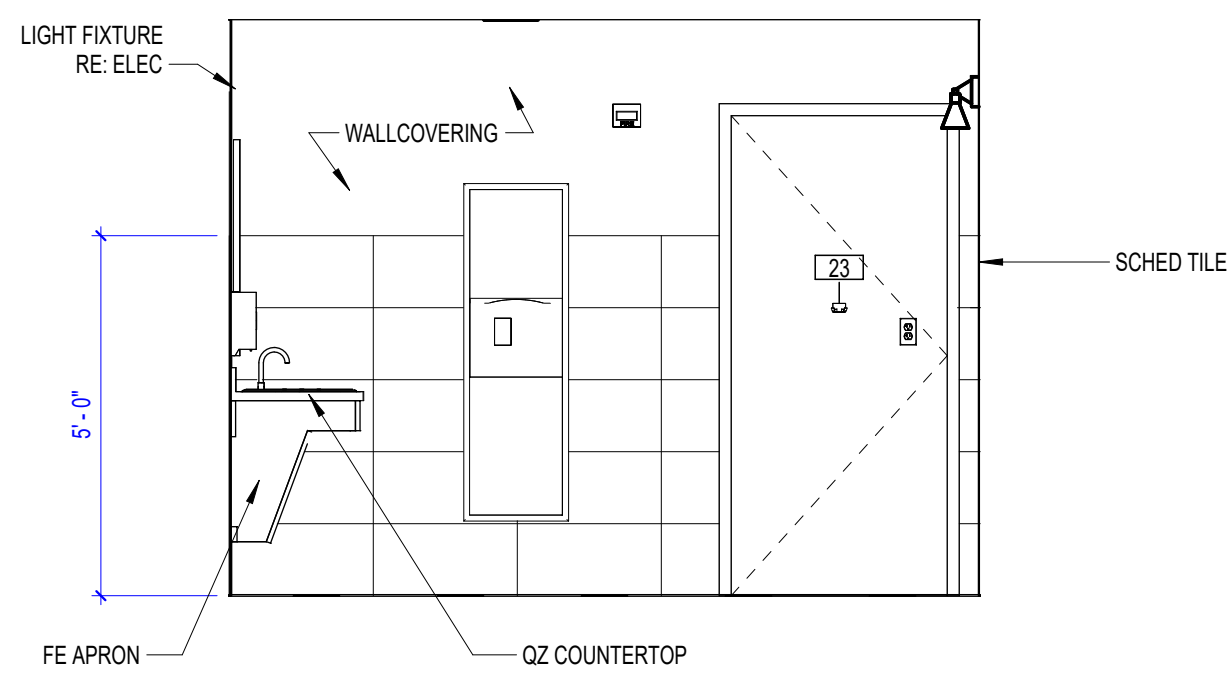
SFCS Architecture
Engineering
Planning
Interiors

SFCS Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfcs.com

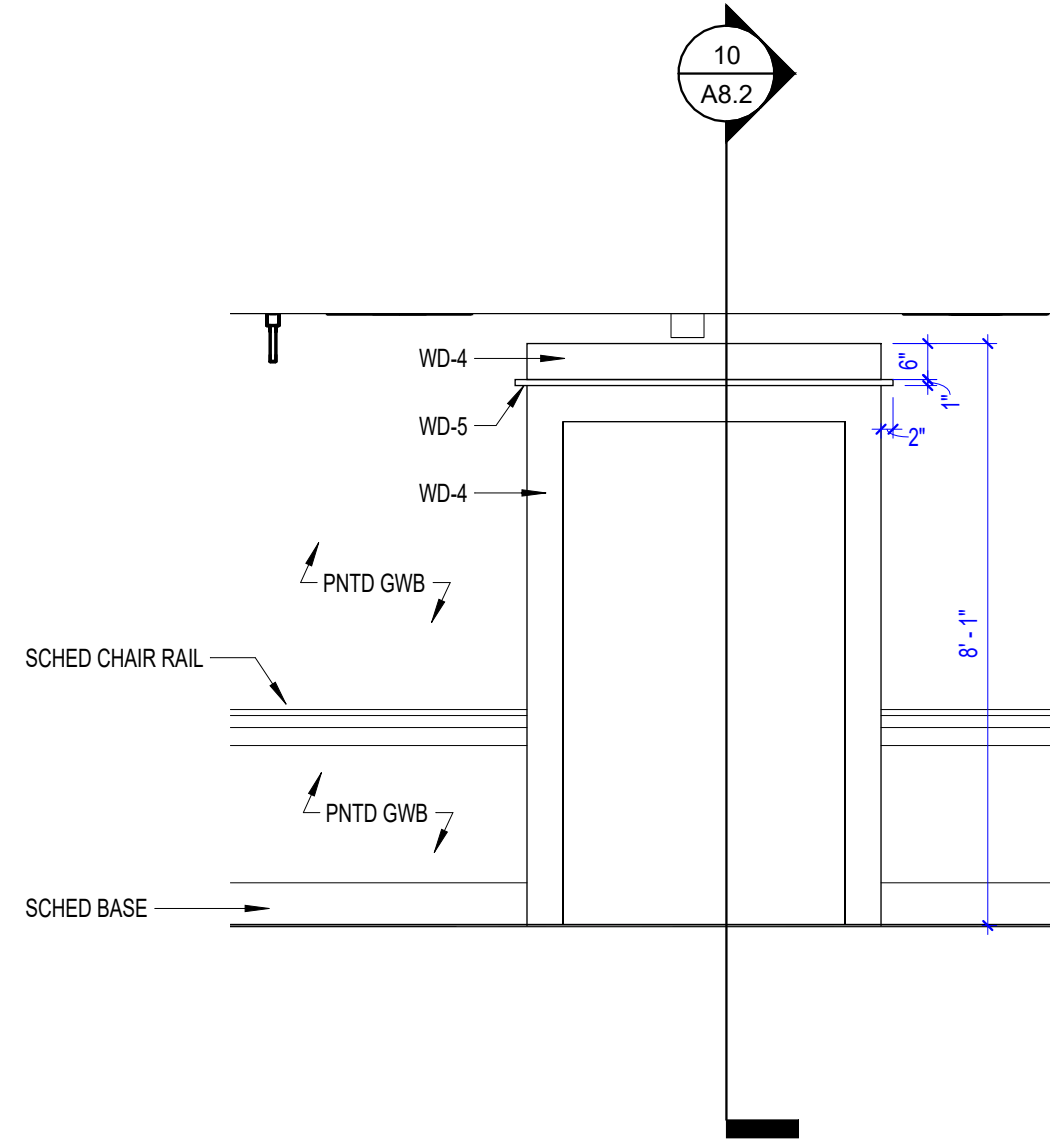
DESIGNER :	DAS	DRAWN :	JAM
ARCHITECT :	DAS	CHECKED :	AAT
ENGINEER :		APPROVED :	
NO.	REVISION DESCRIPTION		DATE
2	Rev 1 - Permit Comments		02/15/24

DRAWING TITLE
WALL SECTIONS

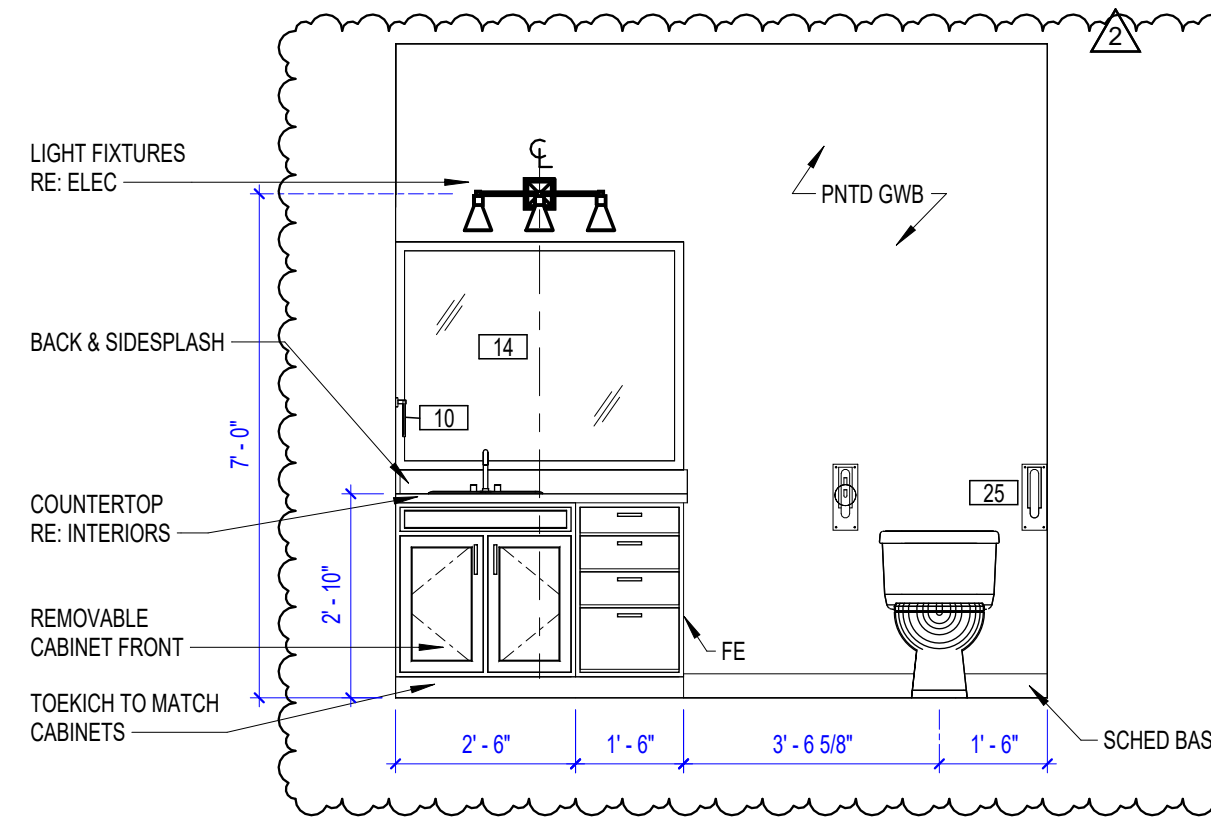
DATE:	January 5, 2024	DRAWING	A6.5
COMM. NO.	23104.00		



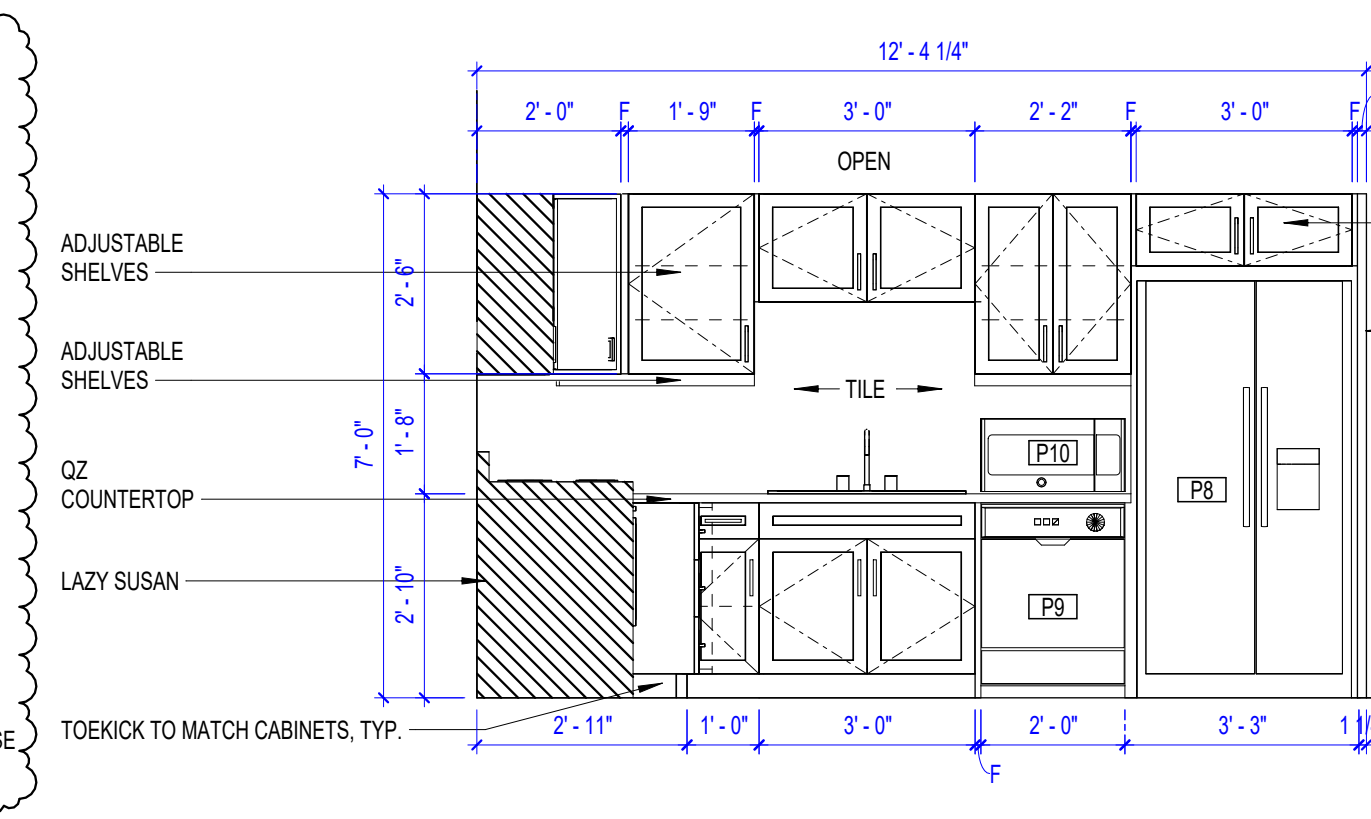
20 RESTROOMS E105/E405 4
3/8" = 1'-0"



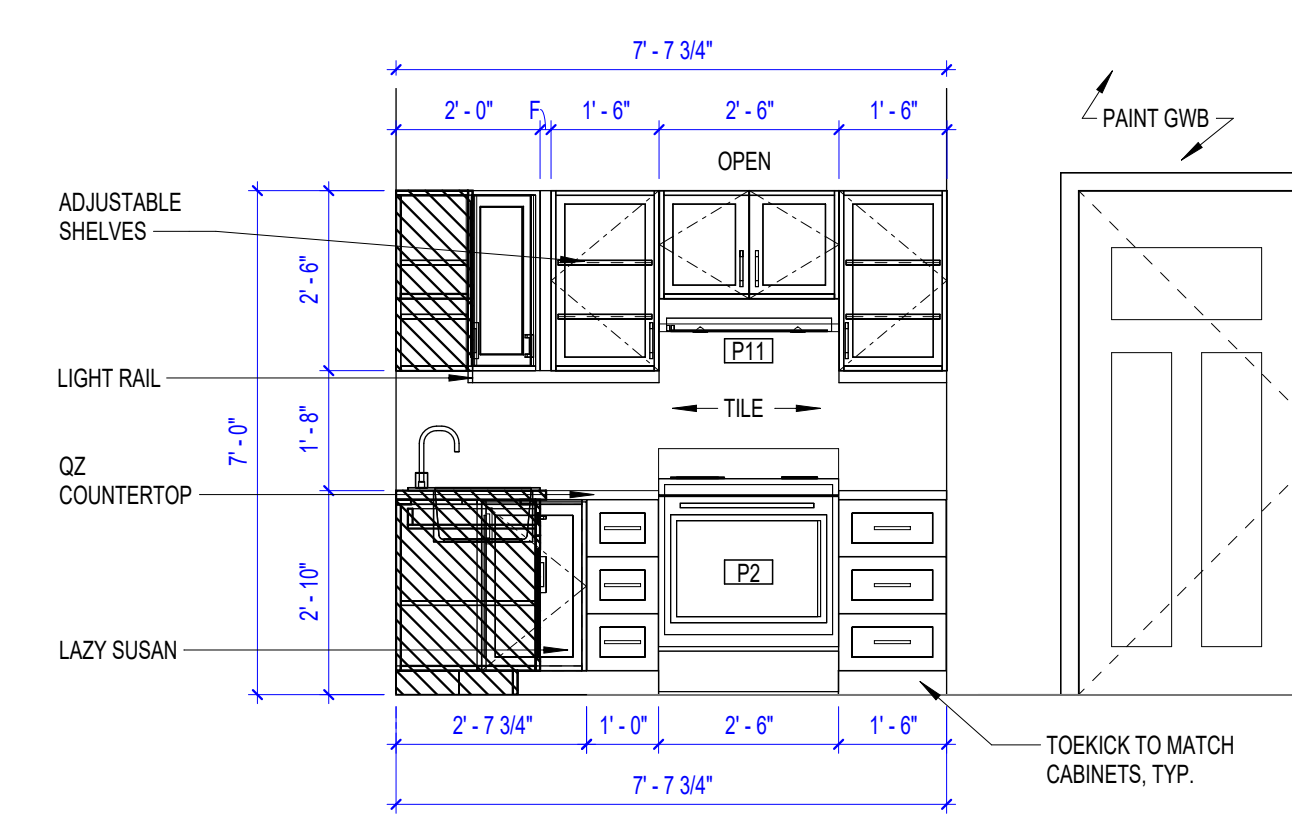
16 TYP. ELEVATOR
3/8" = 1'-0"



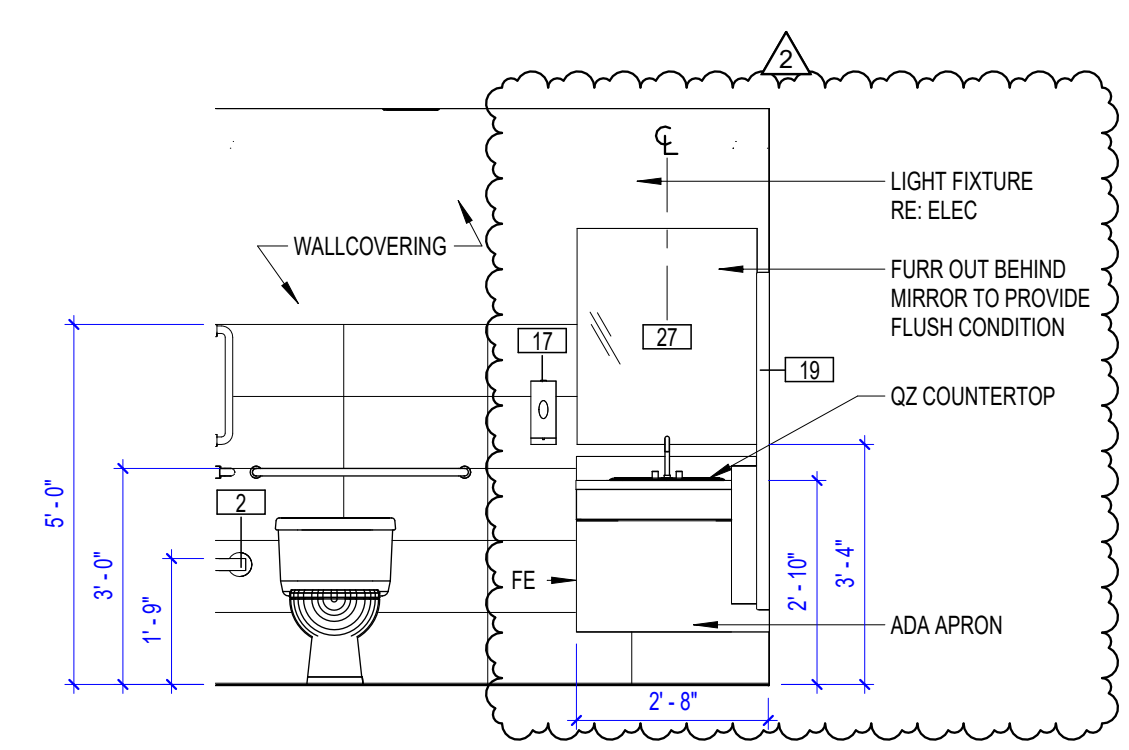
12 UNIT C (ADA) E316 - BATHROOM VANITY
3/8" = 1'-0"



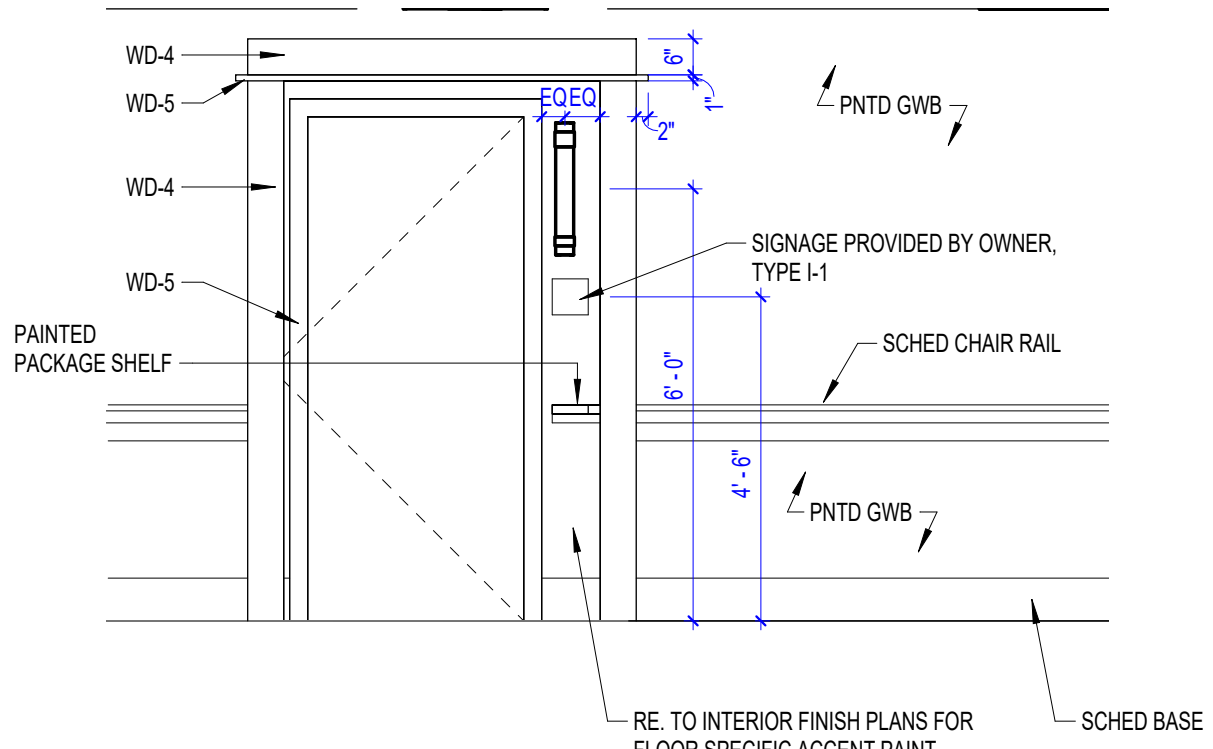
8 UNIT C (ADA) E316 KITCHEN SINK
3/8" = 1'-0"



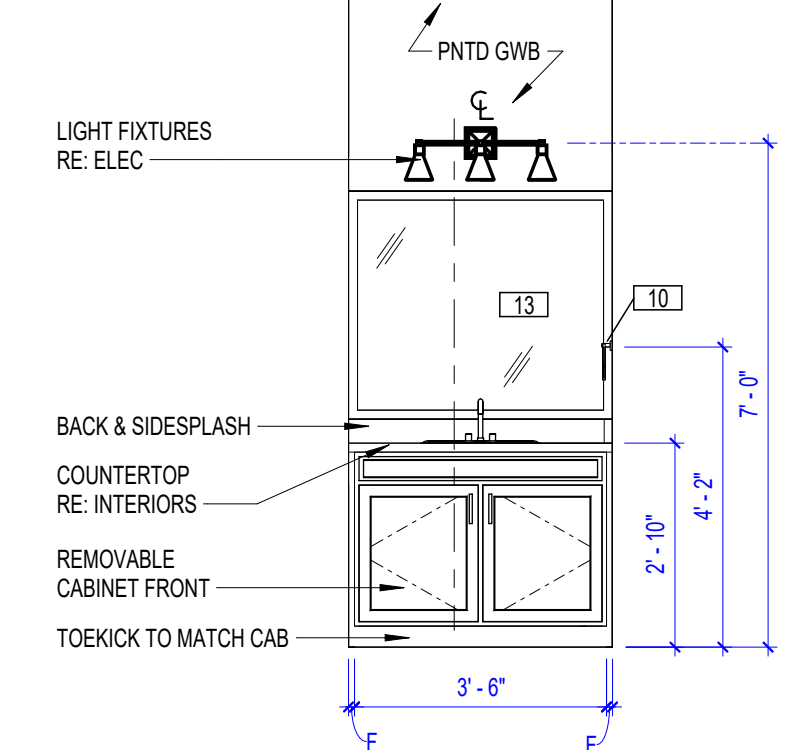
4 UNIT B (ADA) E123 KITCHEN STOVE
3/8" = 1'-0"



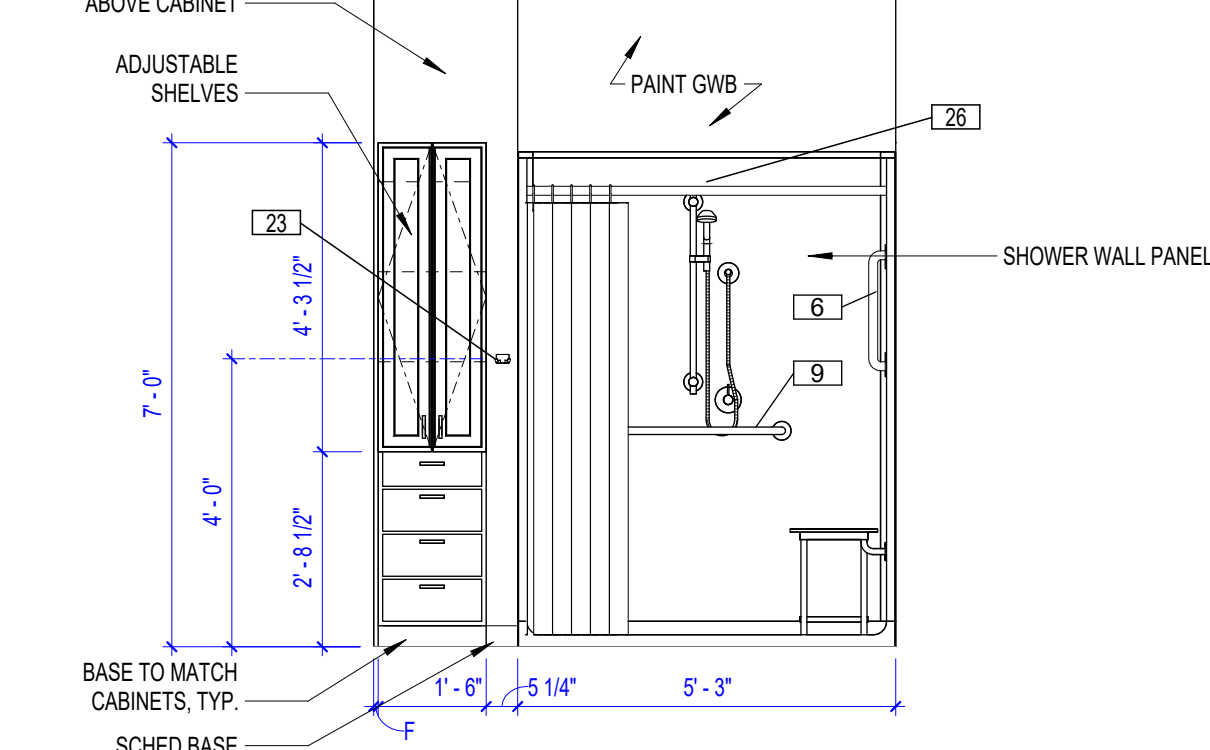
19 RESTROOMS E105/E405 3
3/8" = 1'-0"



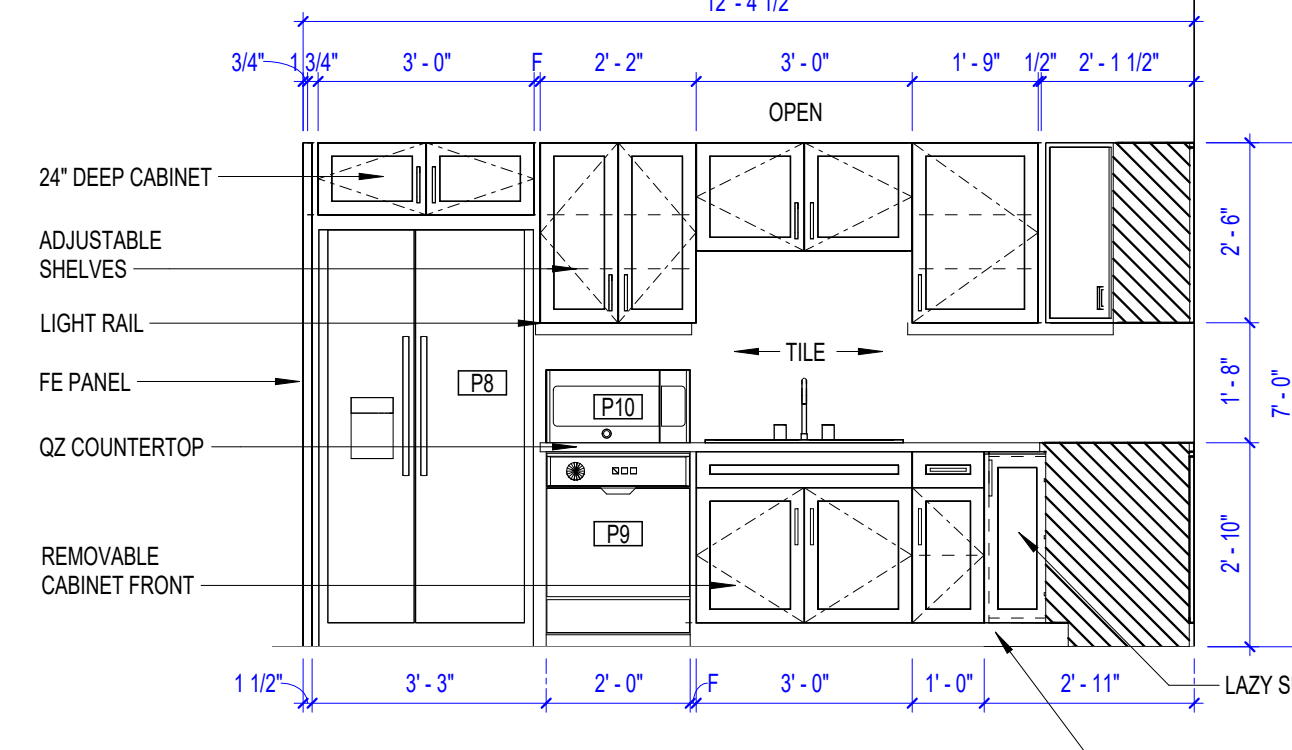
15 RESIDENT ENTRY & TYP. CORRIDOR
3/8" = 1'-0"



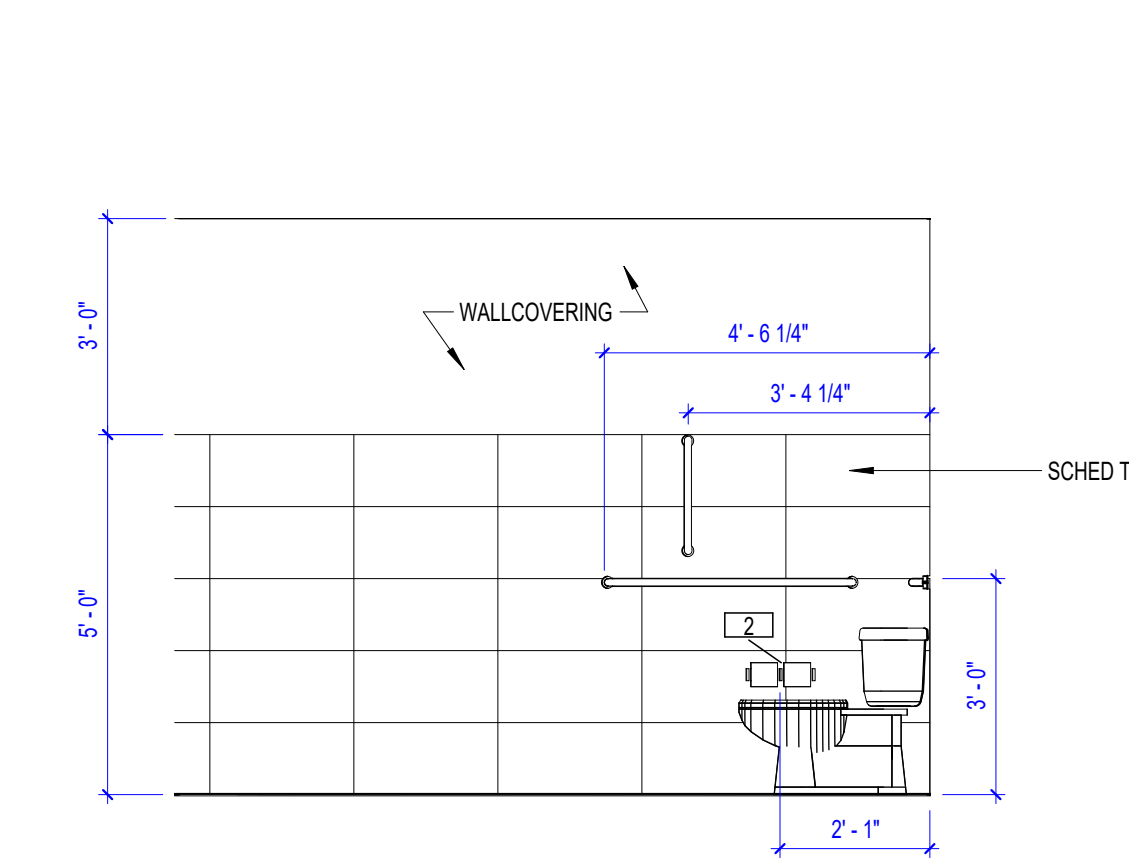
11 UNIT C (ADA) E316 HALF BATH
3/8" = 1'-0"



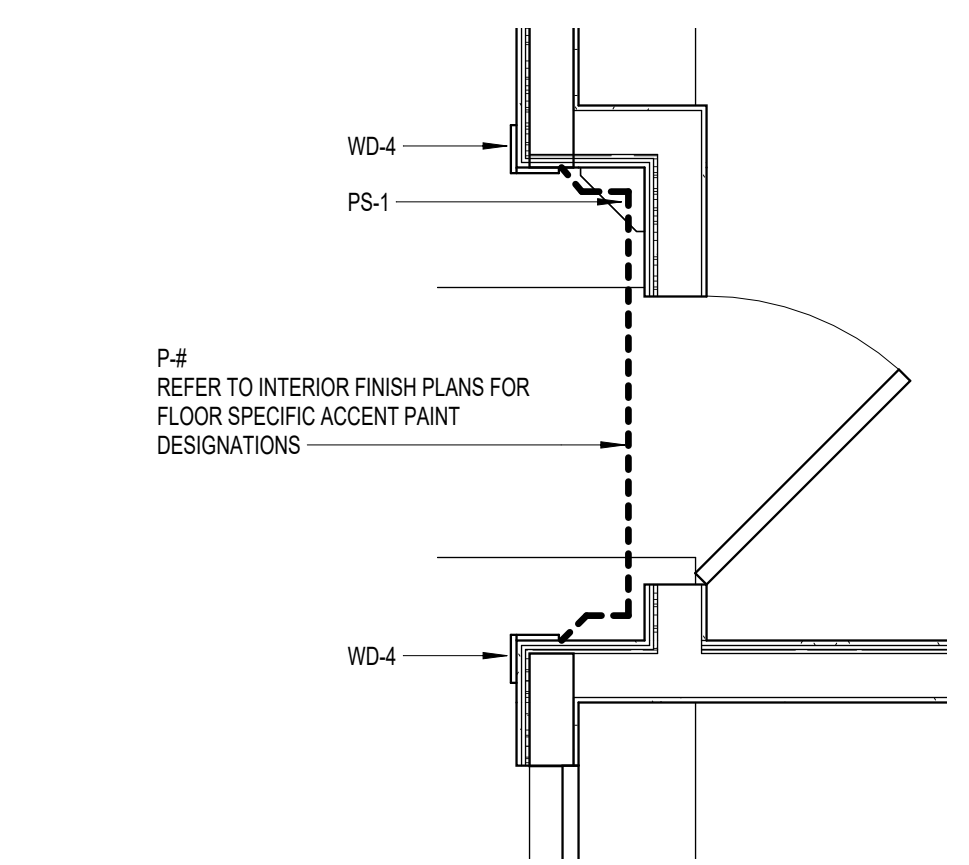
7 UNIT B (ADA) E123 BATHROOM SHOWER
3/8" = 1'-0"



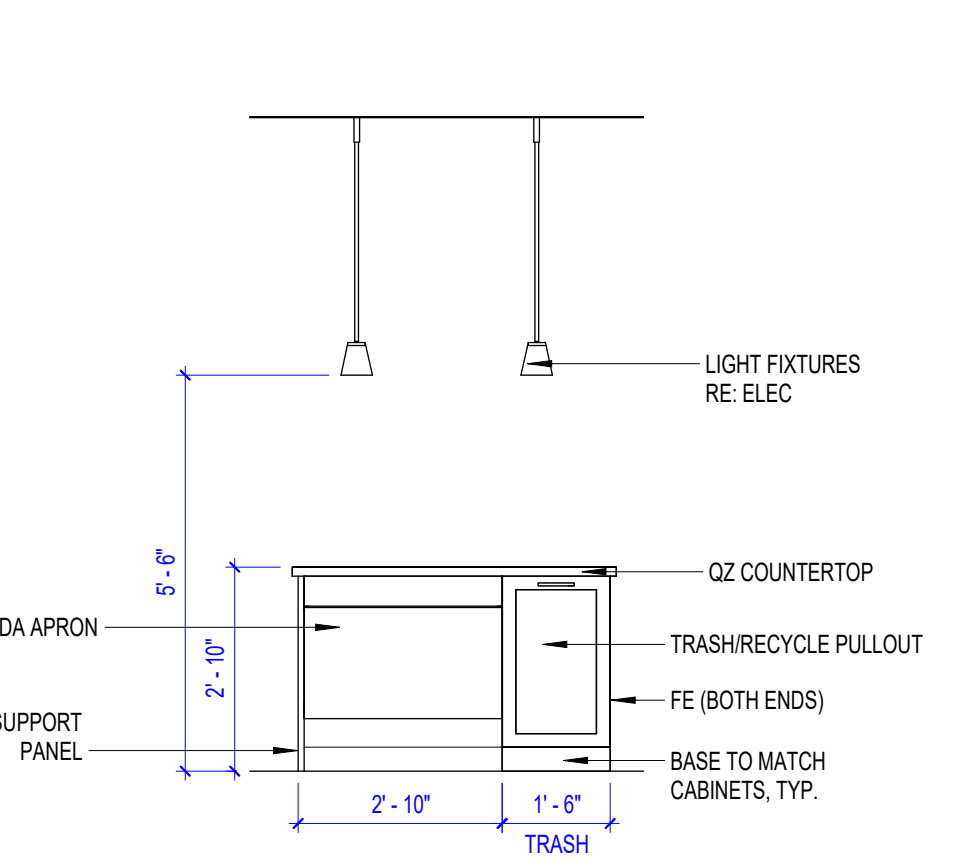
3 UNIT B (ADA) E123 KITCHEN SINK
3/8" = 1'-0"



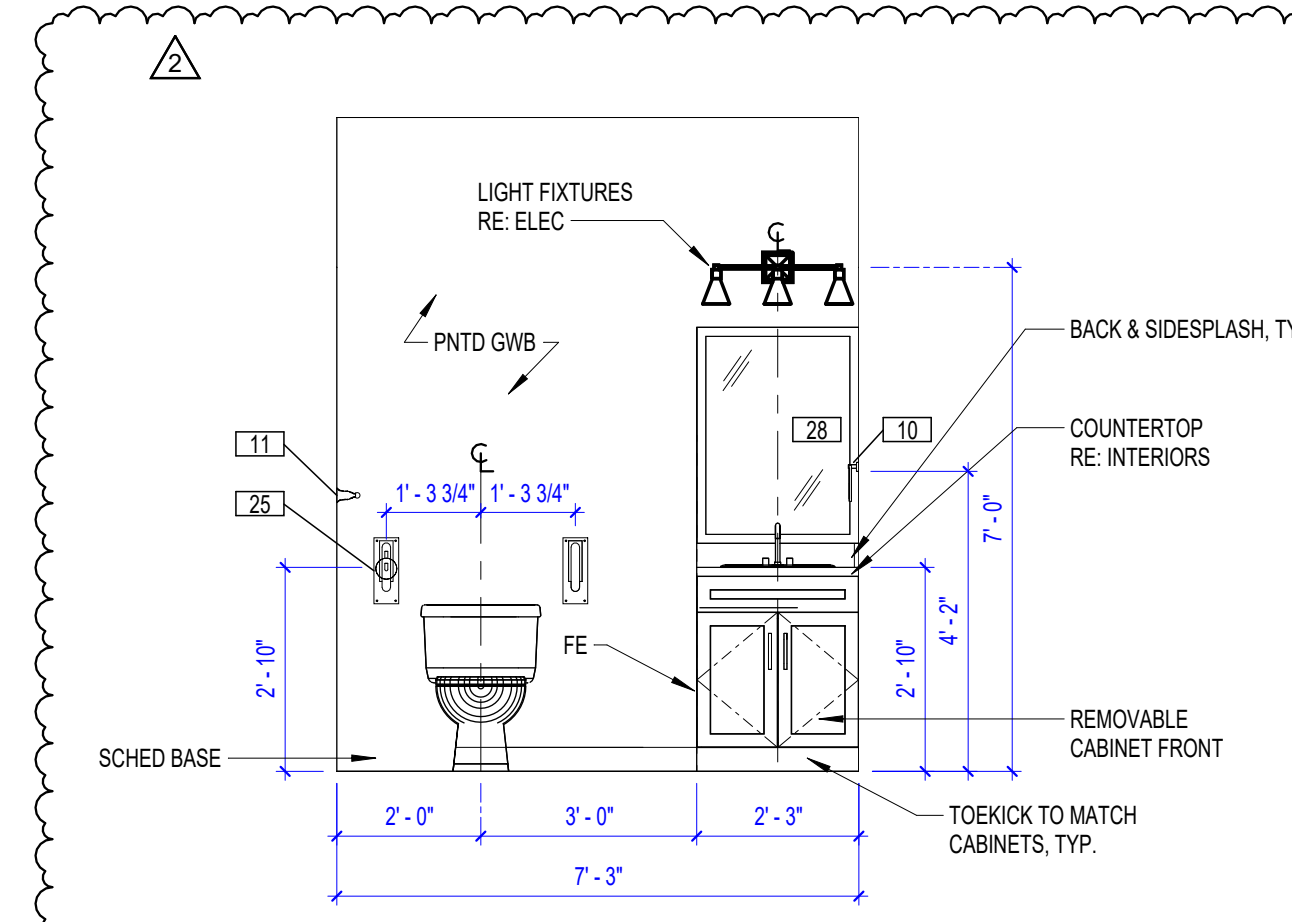
18 RESTROOMS E105/E405 2
3/8" = 1'-0"



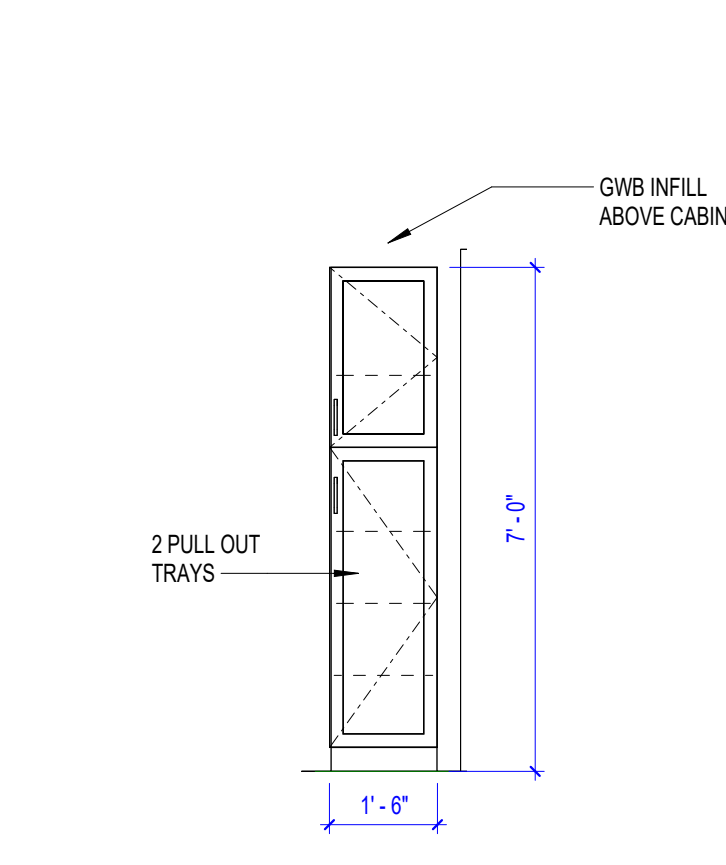
14 RESIDENT UNIT ENTRY, TYP
1/2" = 1'-0"



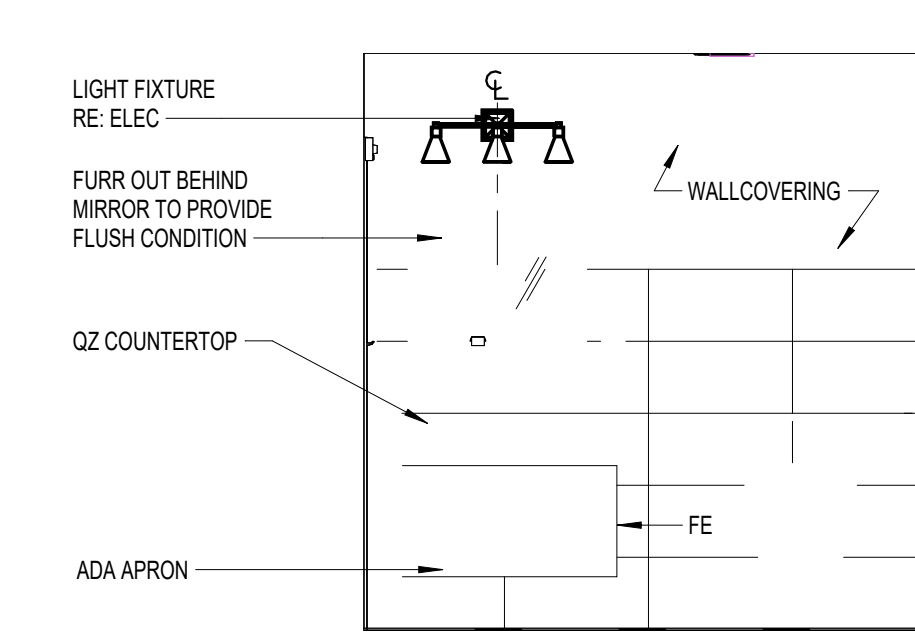
10 UNIT C (ADA) E316 KITCHEN ISLAND
3/8" = 1'-0"



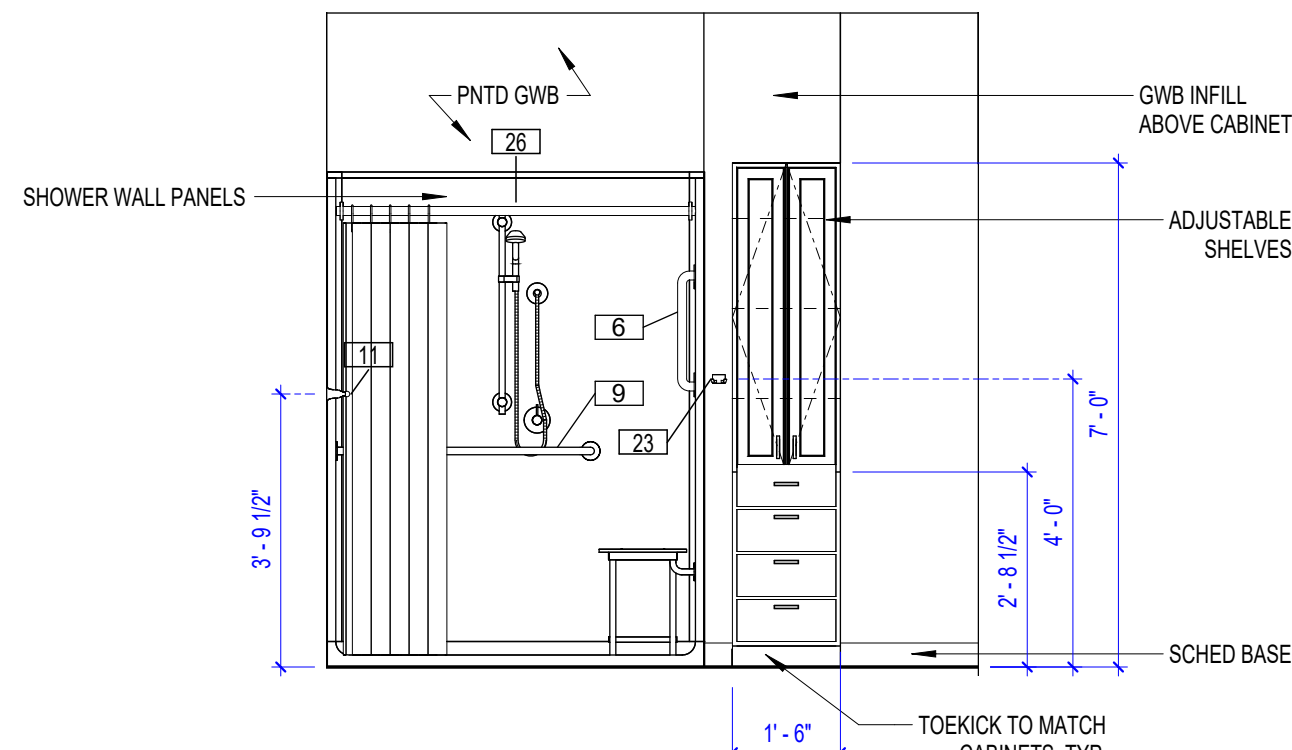
6 UNIT B (ADA) E123 BATHROOM VANITY
3/8" = 1'-0"



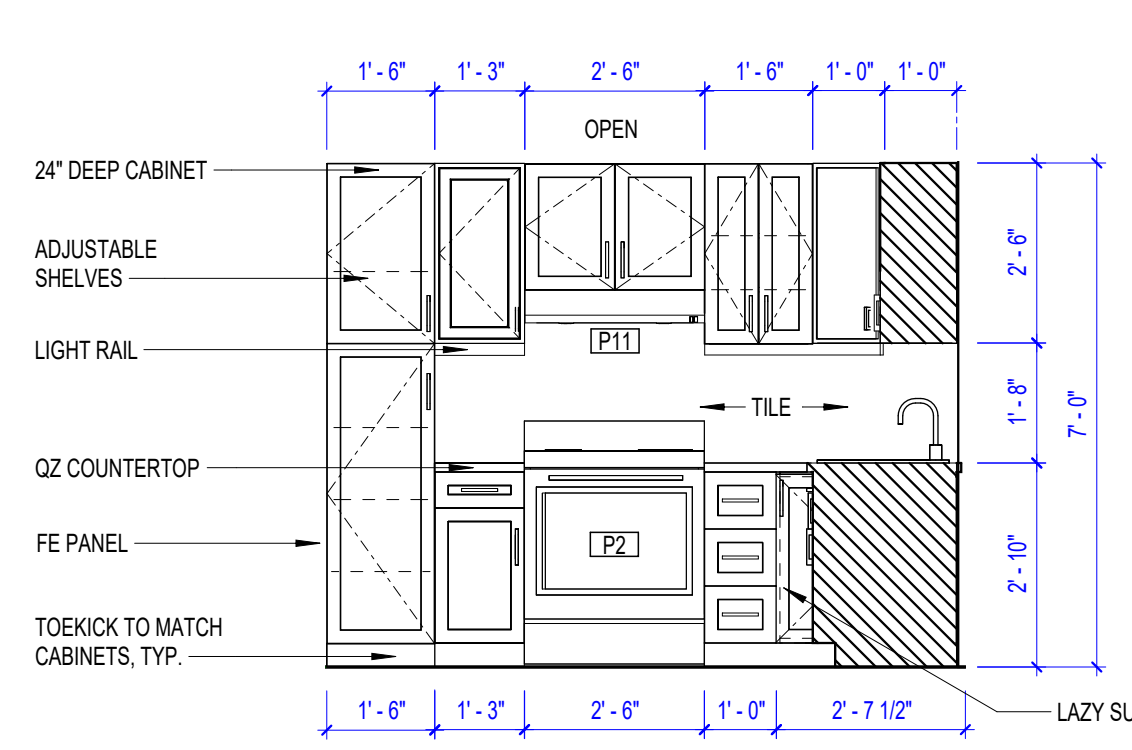
2 UNIT B - PANTRY
3/8" = 1'-0"



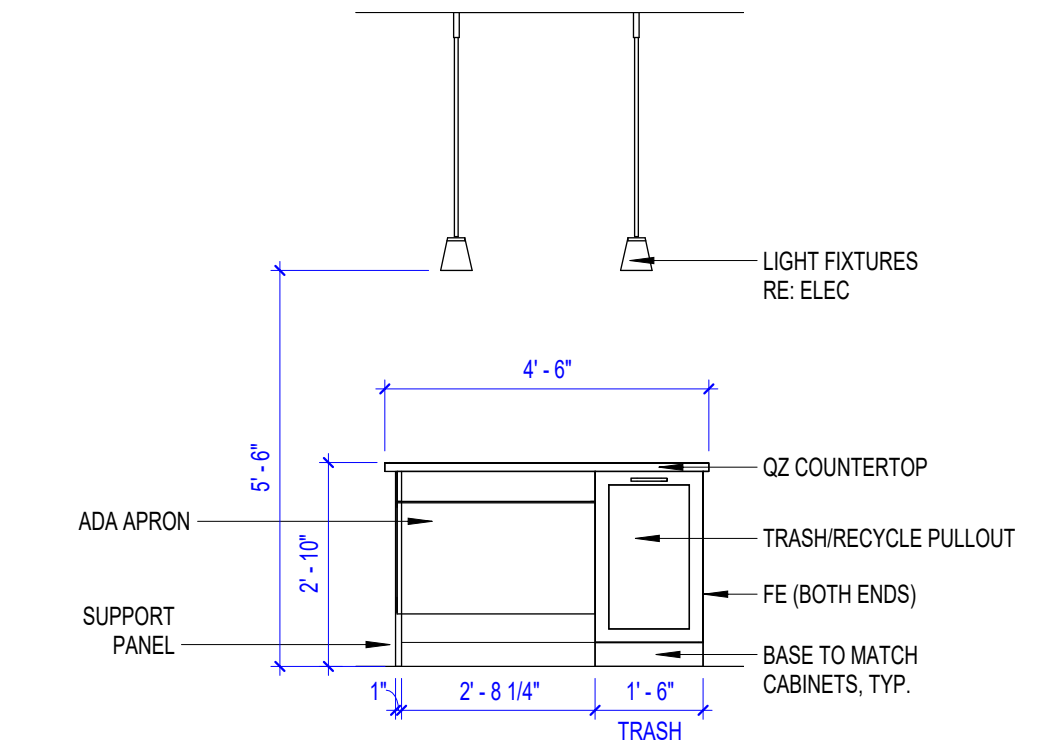
17 RESTROOMS E105/E405 1
3/8" = 1'-0"



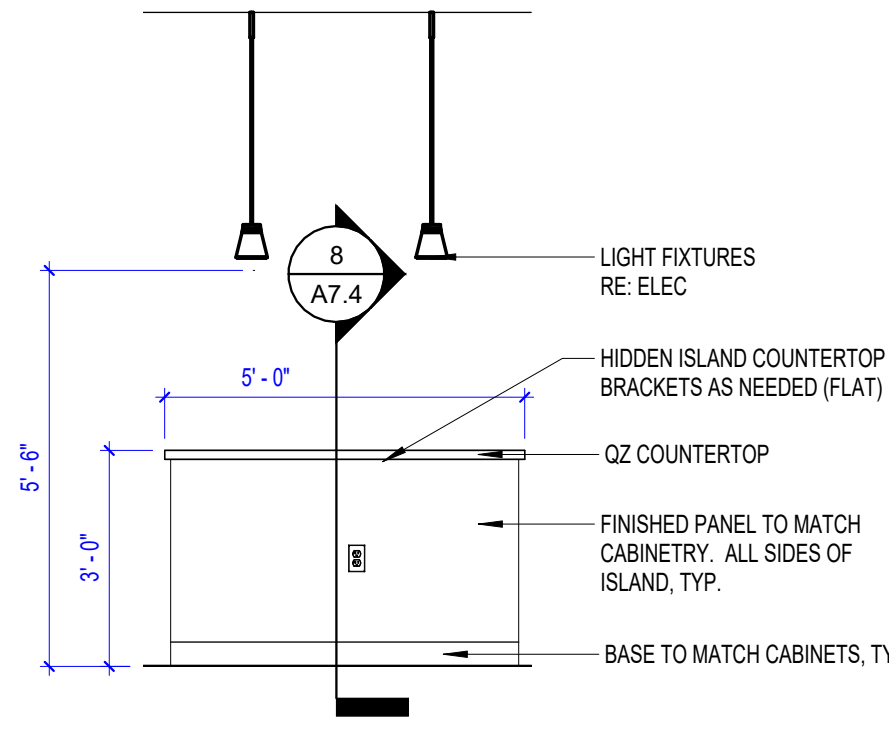
13 UNIT C (ADA) E316 - BATHROOM SHOWER
3/8" = 1'-0"



9 UNIT C (ADA) E316 KITCHEN STOVE
3/8" = 1'-0"



5 UNIT B (ADA) E123 KITCHEN ISLAND
3/8" = 1'-0"



1 UNIT D1-D2-D3 KIT. ISLAND 3
3/8" = 1'-0"

- GENERAL NOTES
1. PROVIDE BLOCKING FOR FUTURE INSTALLATION OF GRAB BARS IN ALL ANSI TYPE B UNITS PER ANSI REQUIREMENTS. (ALL UNITS ARE TYPE B UNITS BESIDES 2029, WHICH IS A TYPE A UNIT).
 2. PROVIDE BLOCKING AND GRAB BARS FOR 18" VERTICAL GRAB BAR AND WRAP AROUND GRAB BAR AT ALL MASTER BATHROOM SHOWERS.
 3. PROVIDE GRAB BARS AT TIME OF CONSTRUCTION IN ANSI TYPE A (HC) UNIT PER ANSI REQUIREMENTS.

PERMIT SET



PROJECT TITLE



John Knox Village
COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfc.com

DESIGNER : DAS	DRAWN : DAS/CLHCRW
ARCHITECT : DAS	CHECKED : AAT
ENGINEER : DES	APPROVED : CRJ

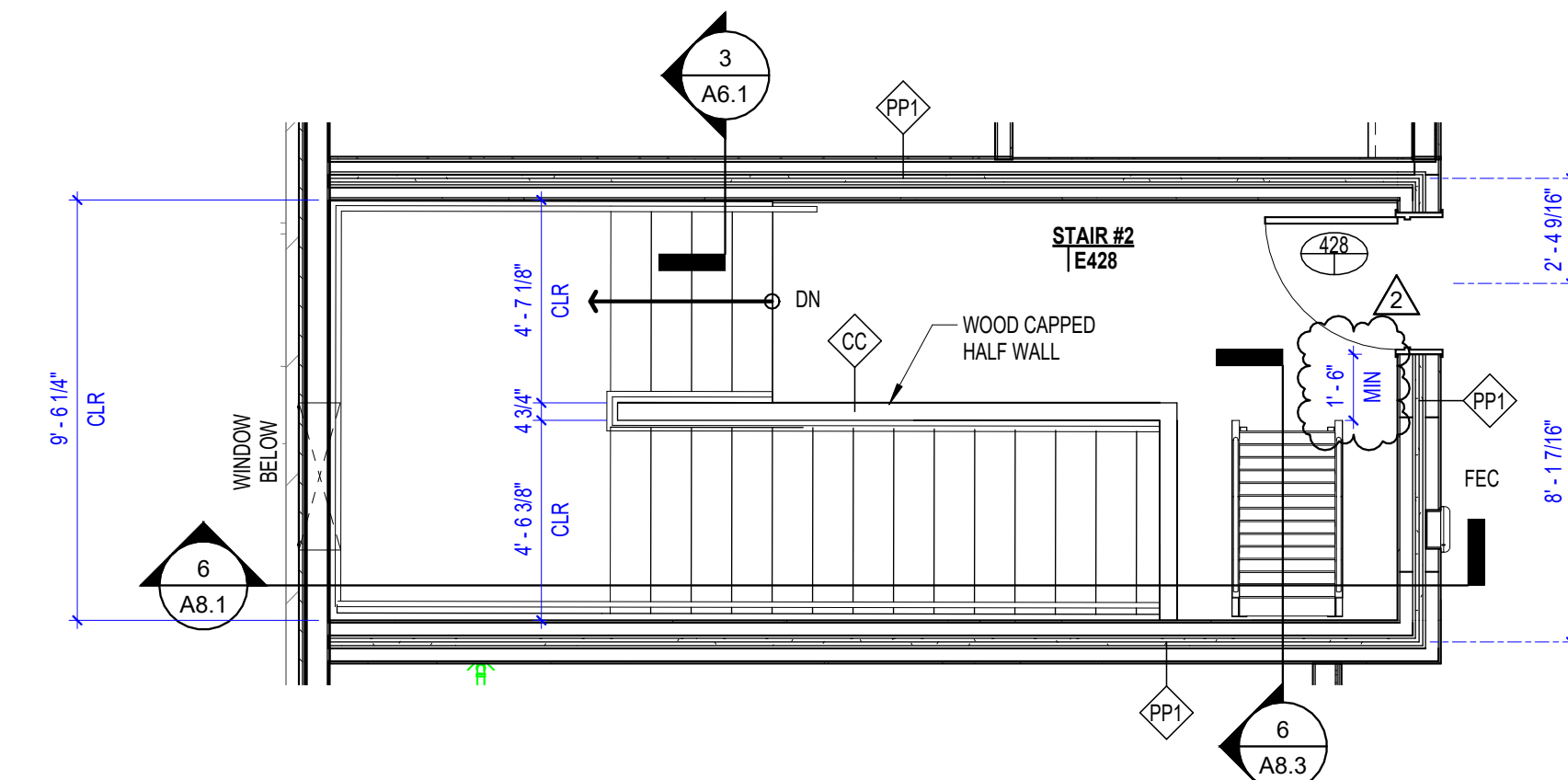
NO.	REVISION DESCRIPTION	DATE
2	Rev 1 - Permit Comments	02/15/24

DRAWING TITLE
INTERIOR ELEVATIONS & DETAILS

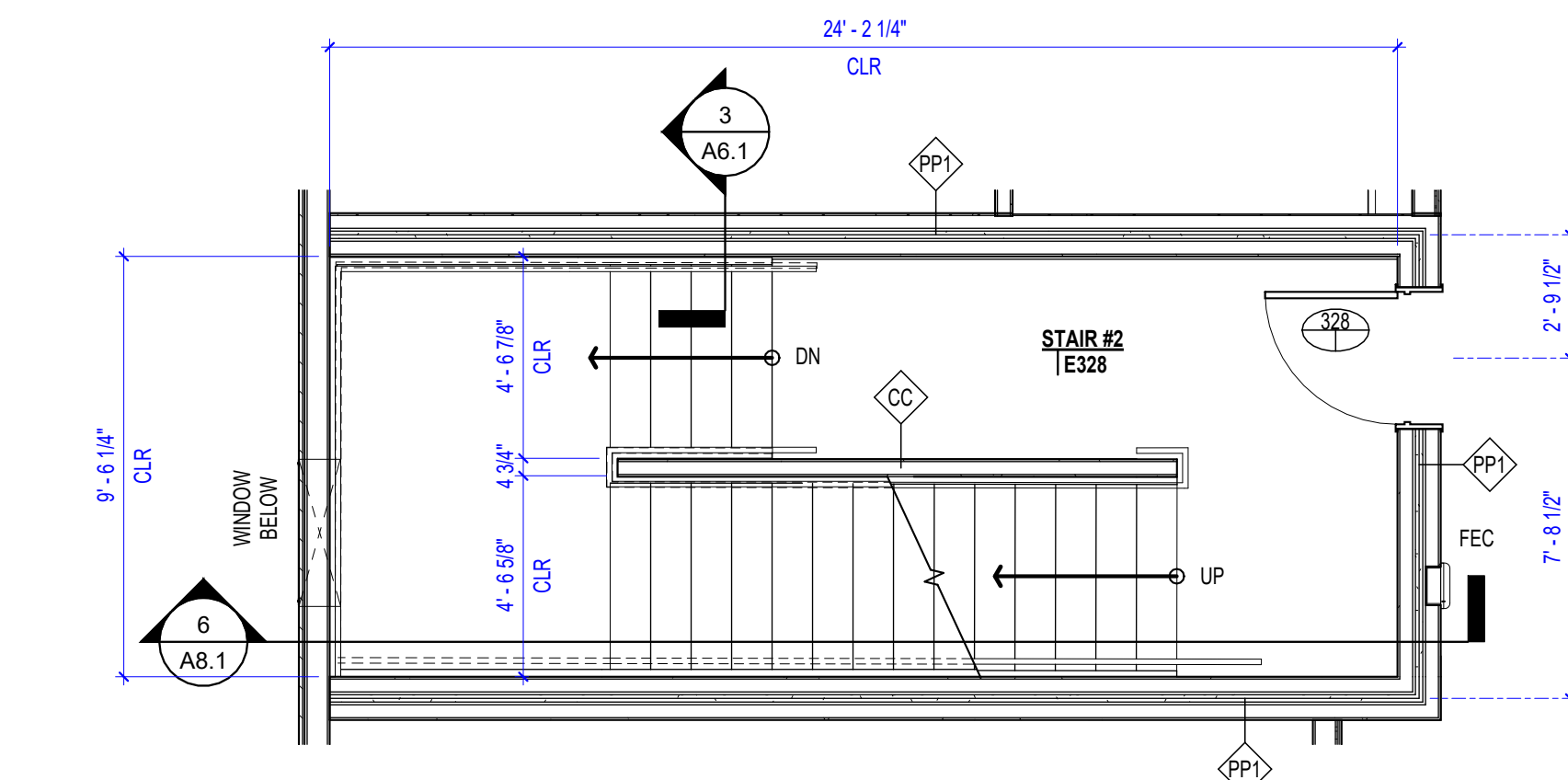
DATE: January 5, 2024
DRAWING
COMM. NO. 23104.00

A7.2

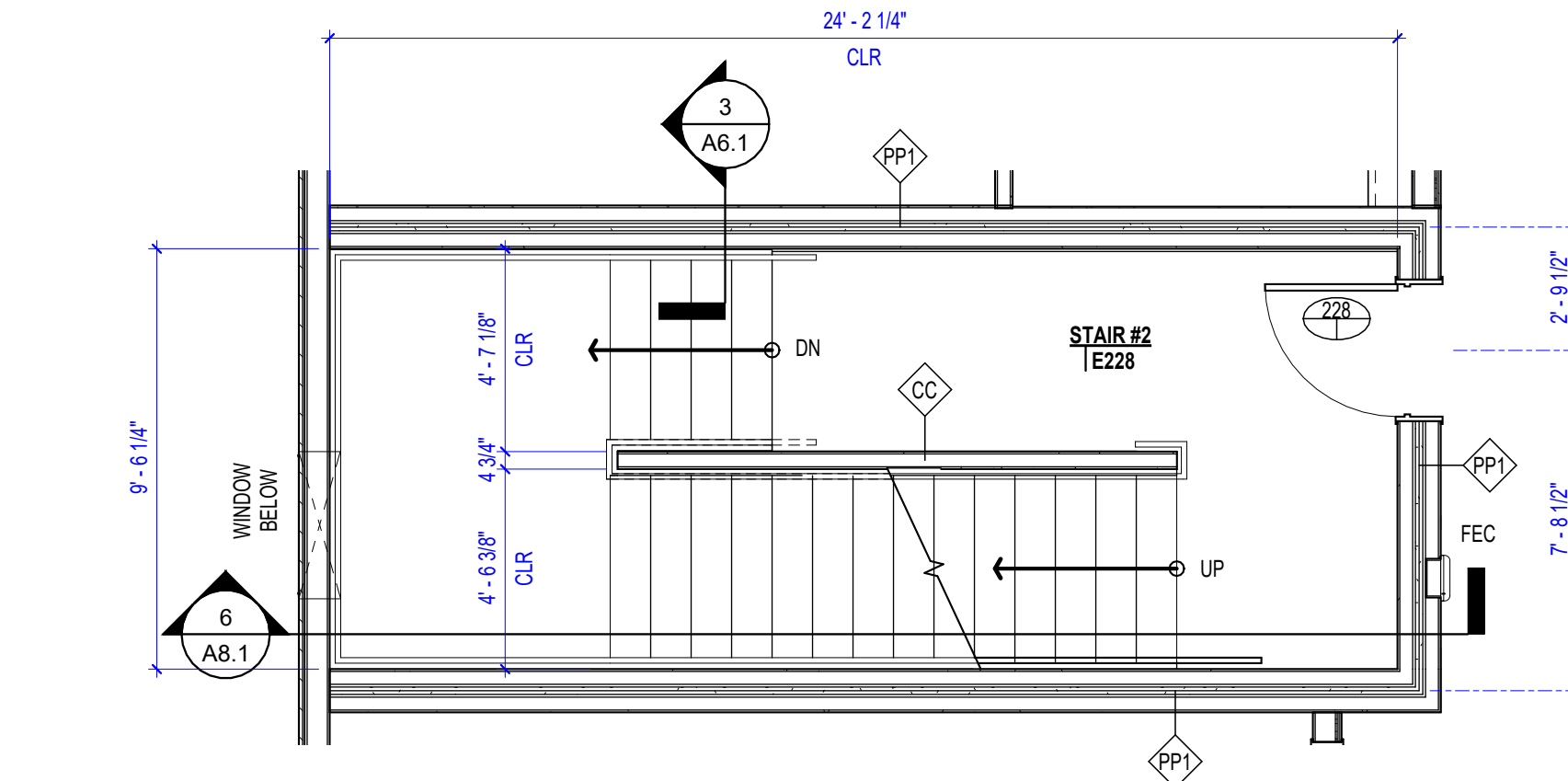




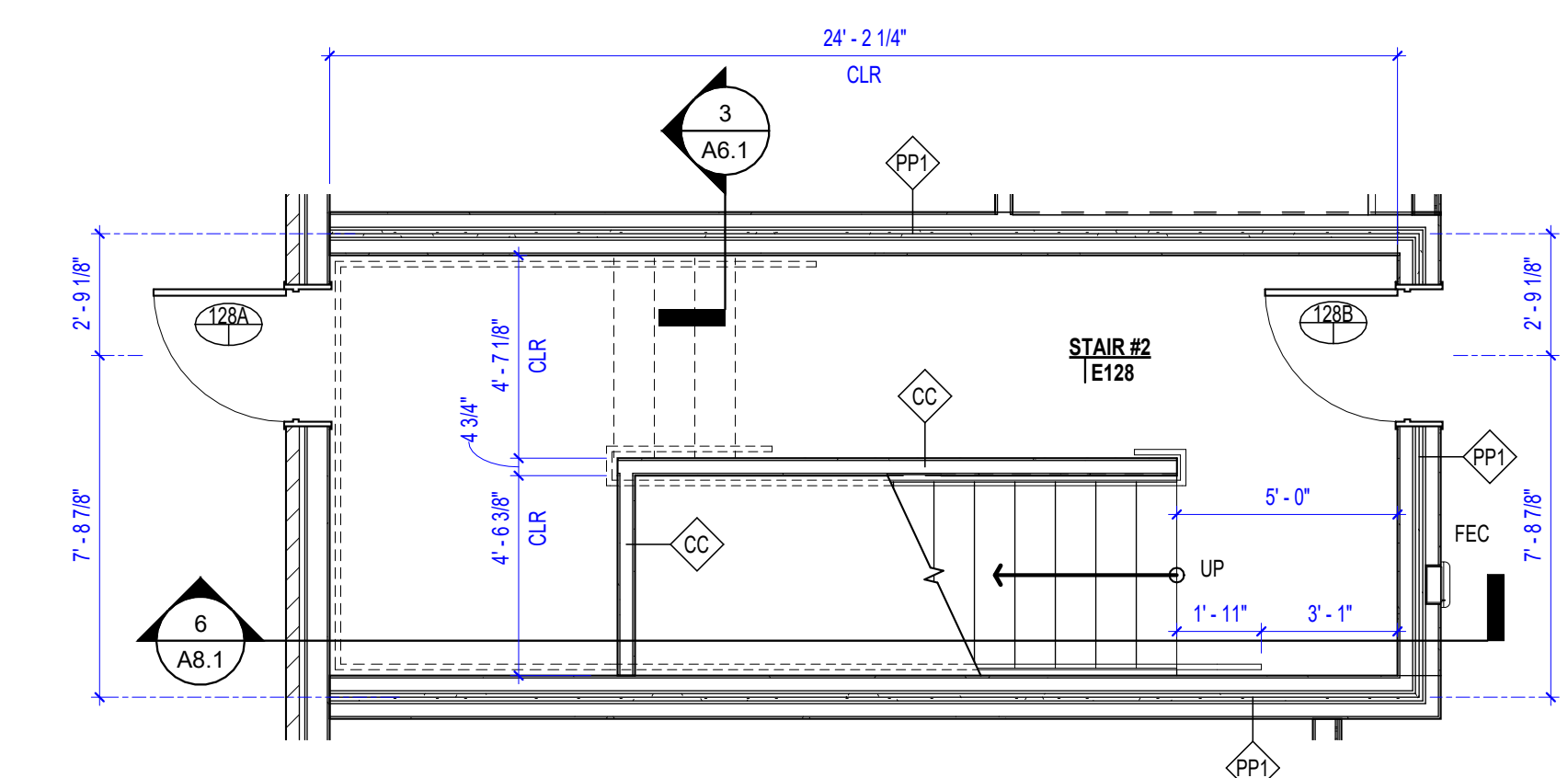
10 STAIR 2 - FOURTH FLOOR PLAN
1/4" = 1'-0"



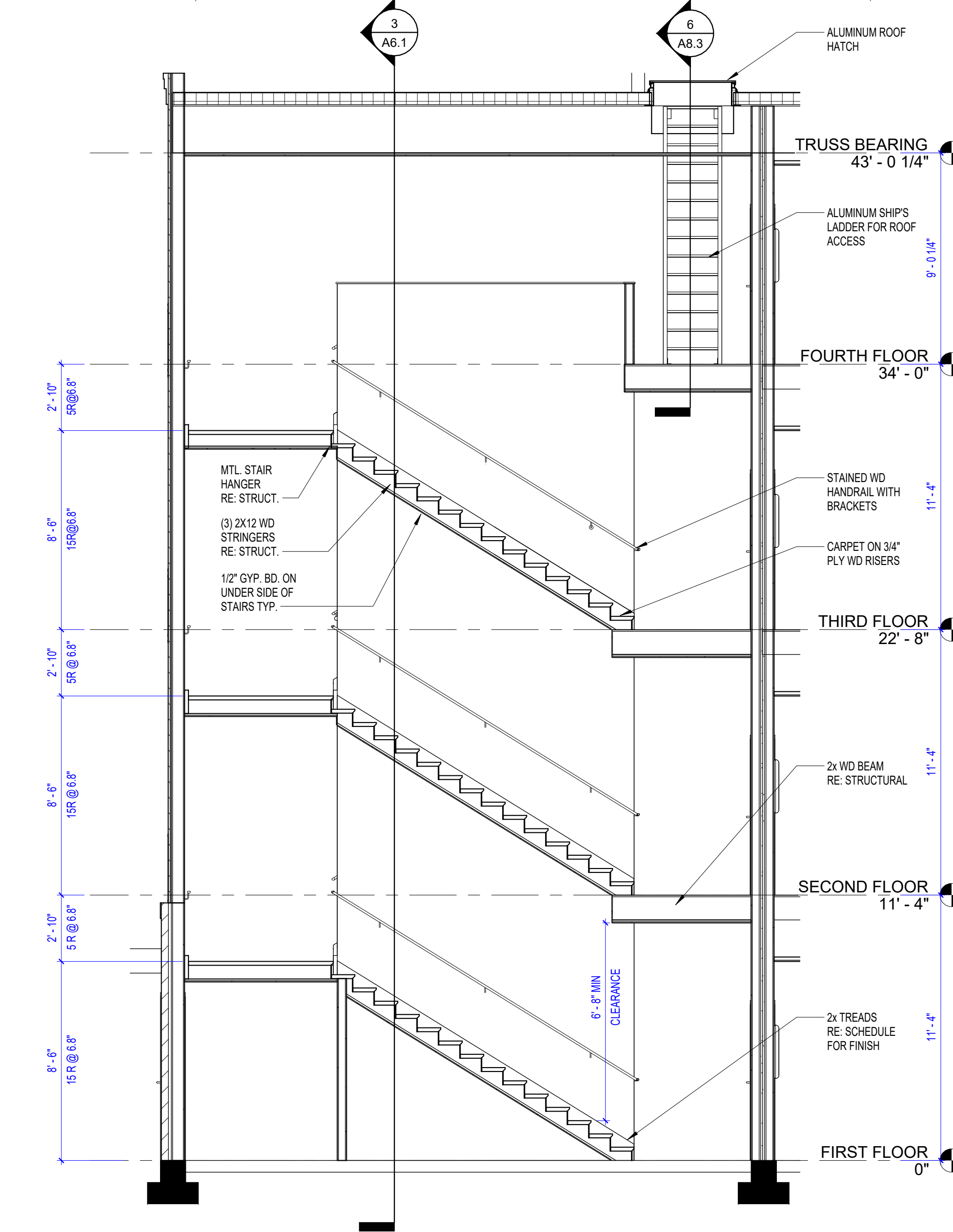
9 STAIR 2 - THIRD FLOOR PLAN
1/4" = 1'-0"



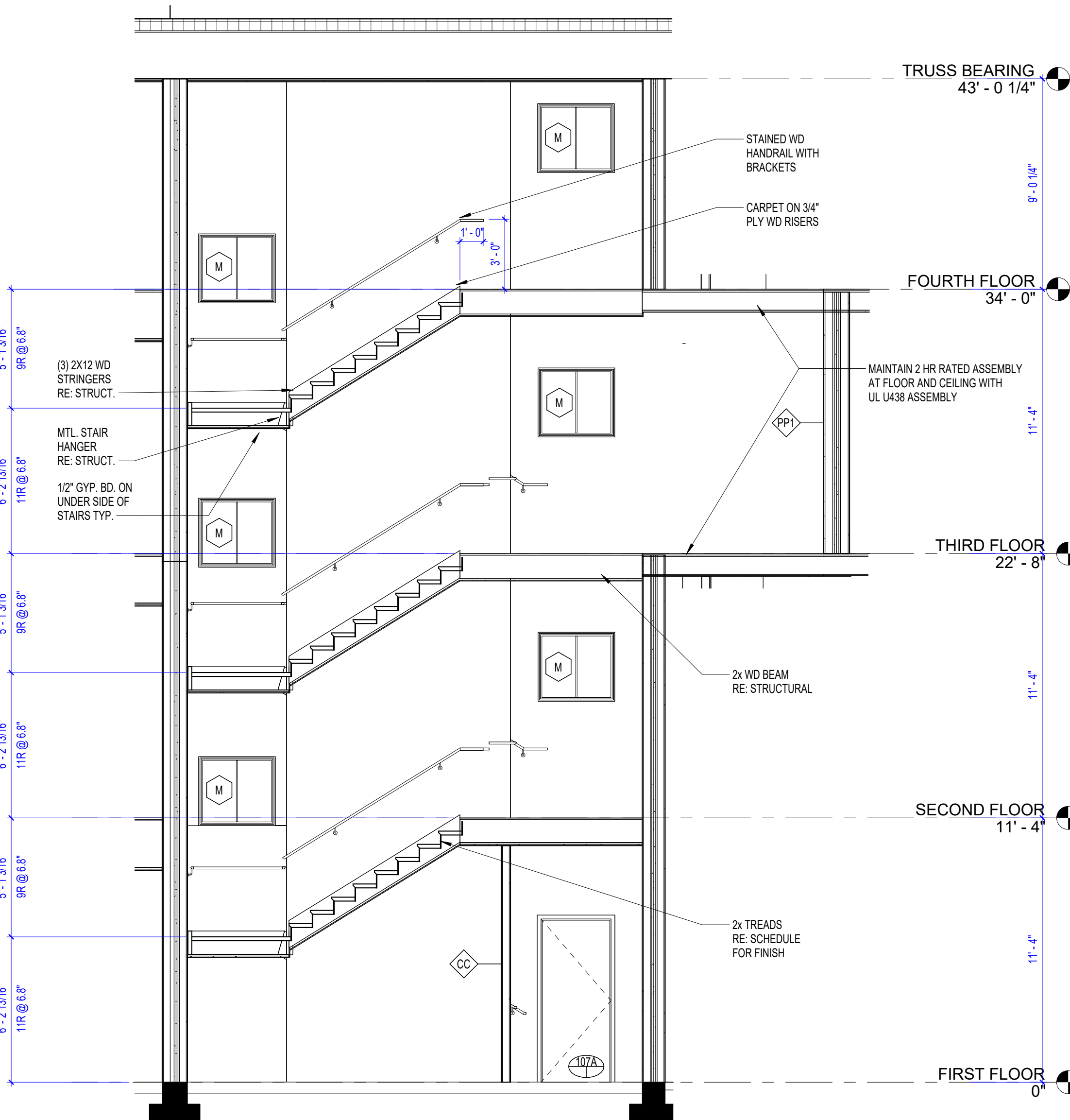
8 STAIR 2 - SECOND FLOOR PLAN
1/4" = 1'-0"



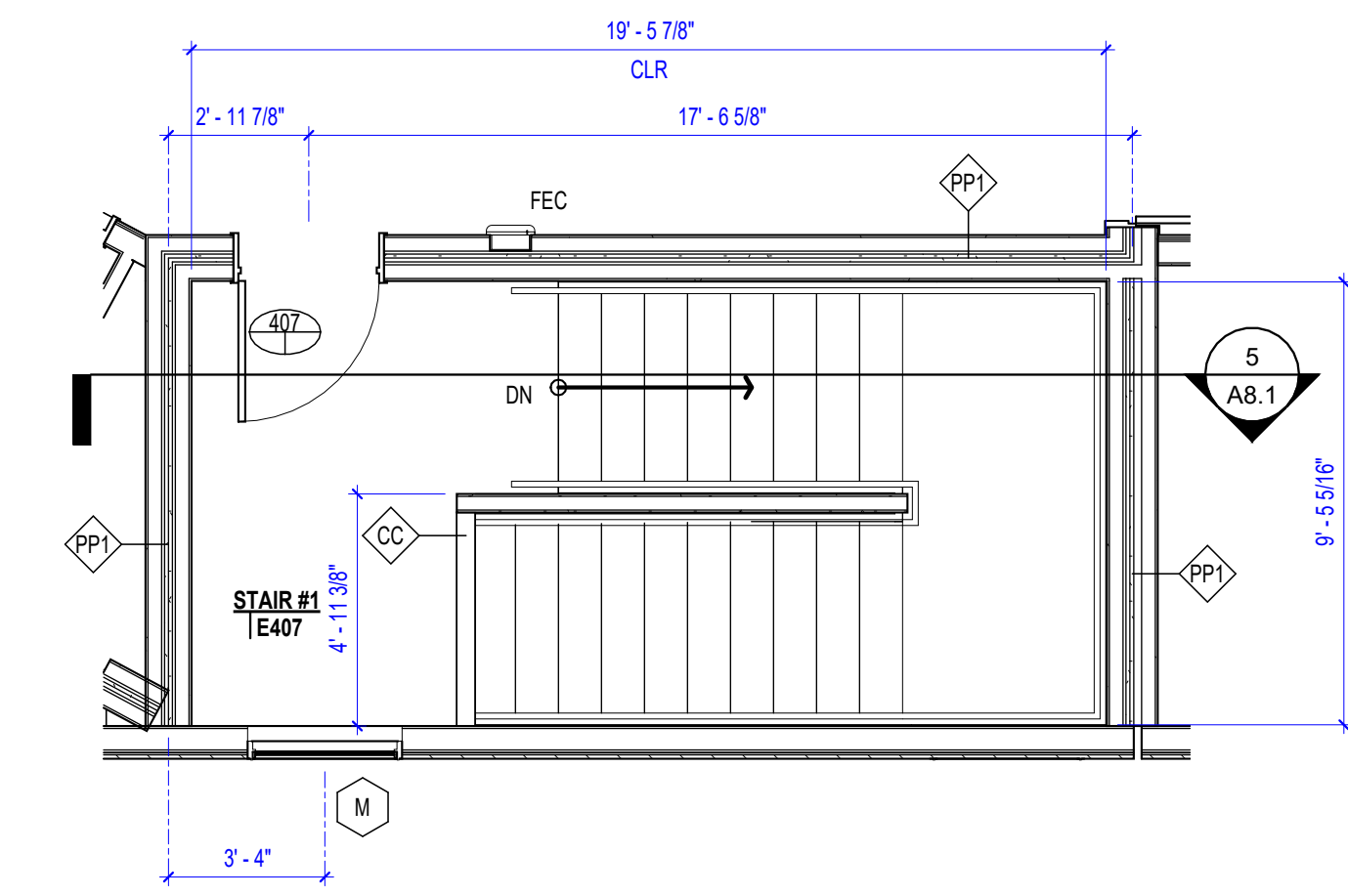
7 STAIR 2 - FIRST FLOOR PLAN
1/4" = 1'-0"



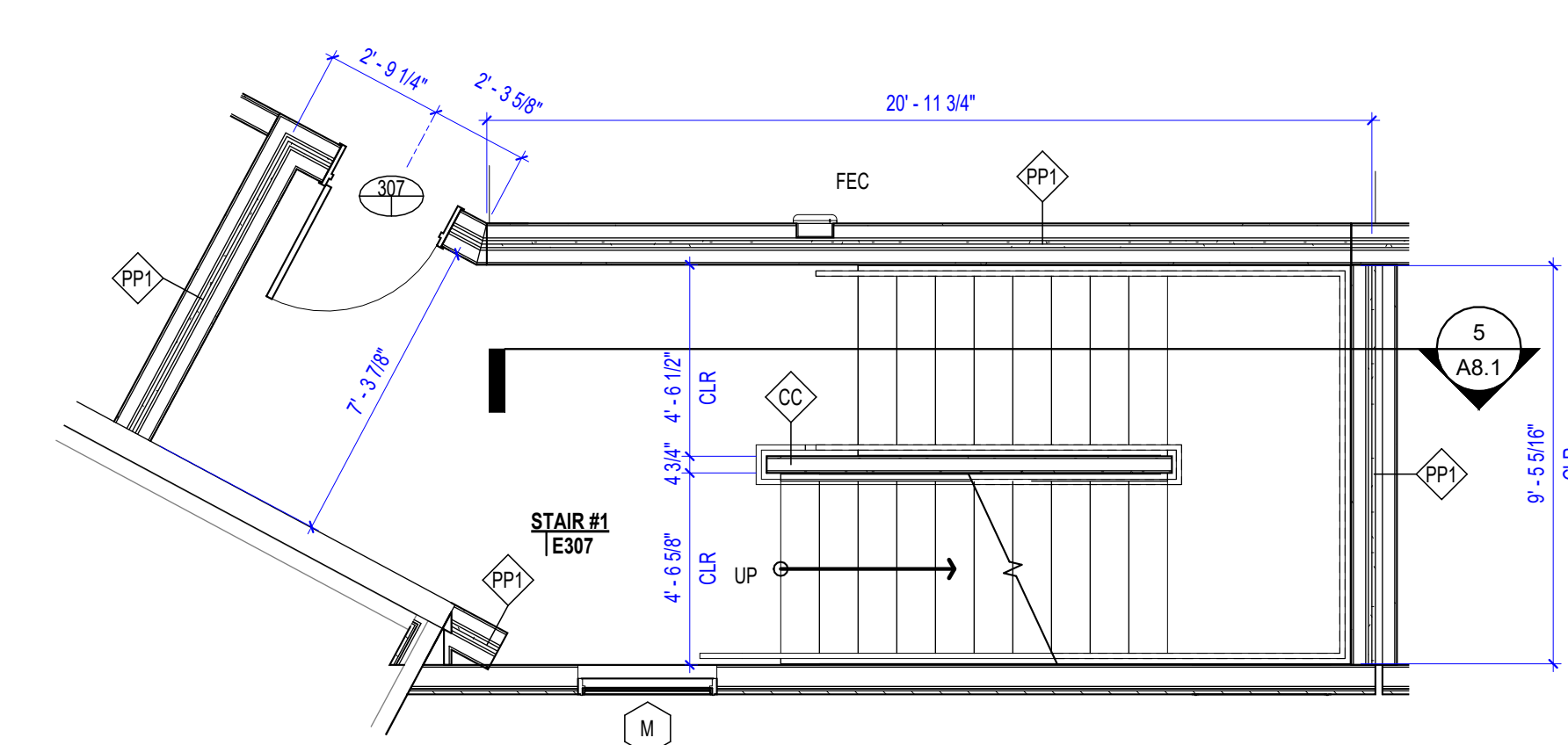
6 STAIR 2 SECTION
1/4" = 1'-0"



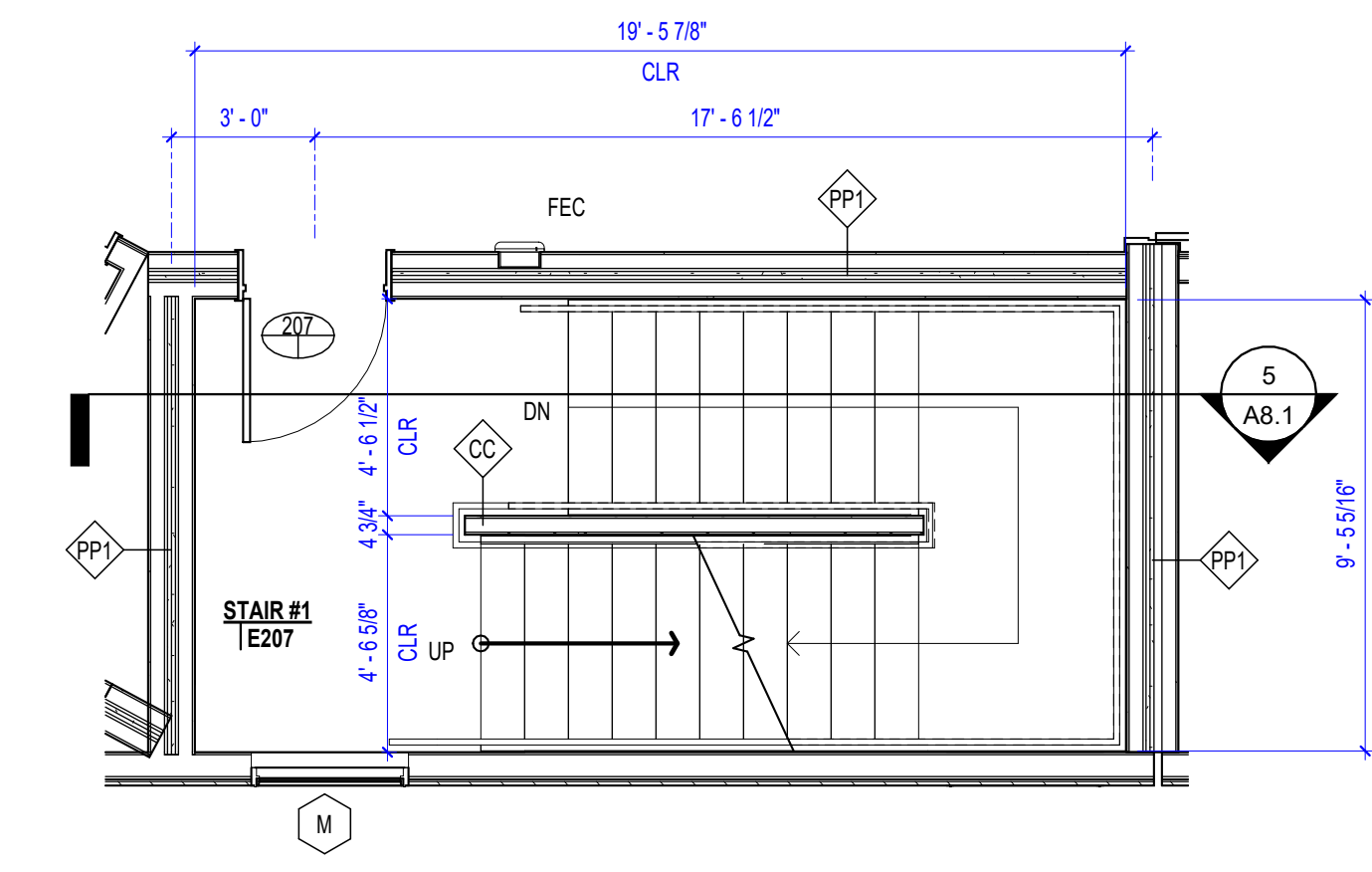
5 STAIR 1 SECTION
1/4" = 1'-0"



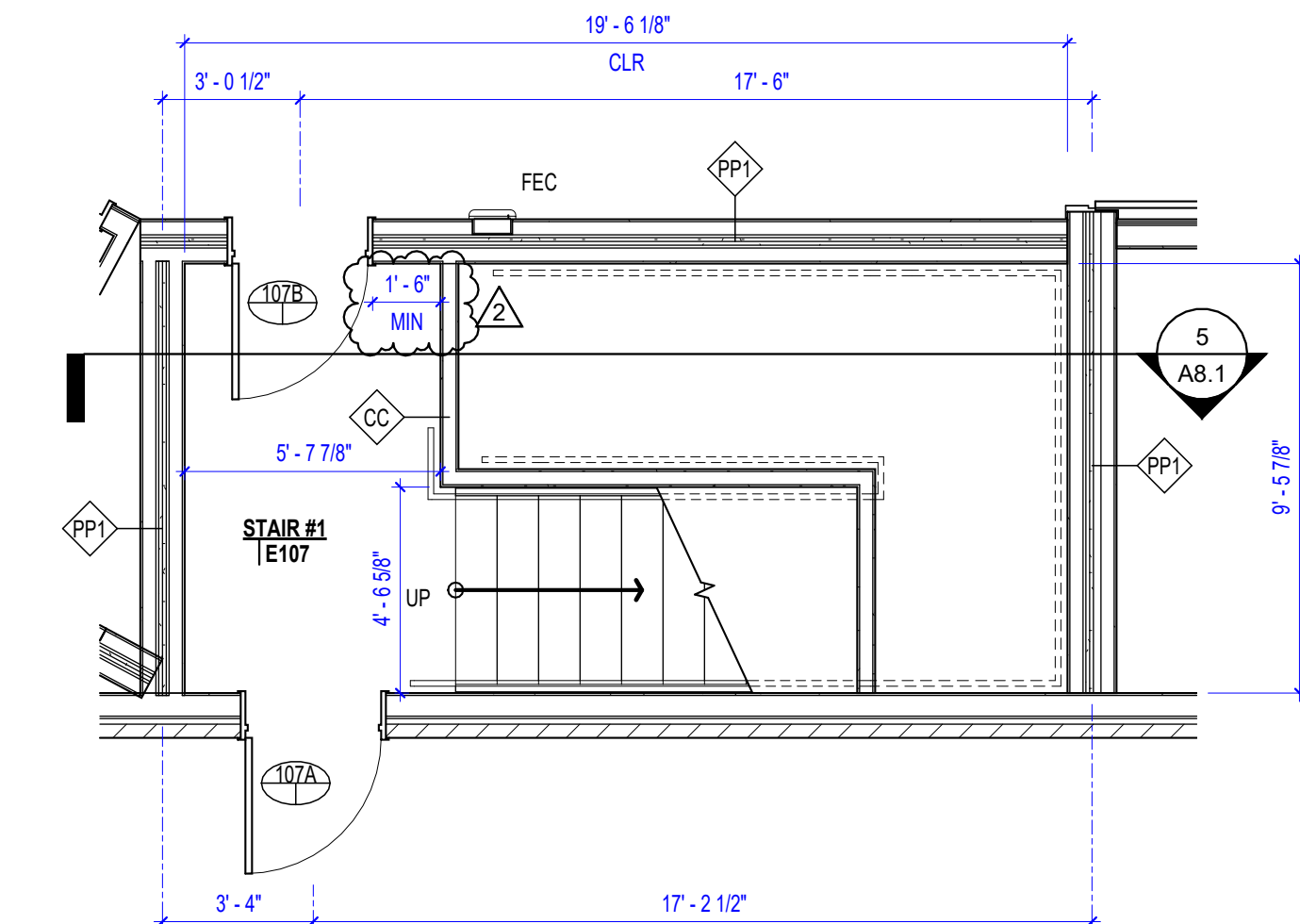
4 STAIR 1 - FOURTH FLOOR PLAN
1/4" = 1'-0"



3 STAIR 1 - THIRD FLOOR PLAN
1/4" = 1'-0"



2 STAIR 1 - SECOND FLOOR PLAN
1/4" = 1'-0"



1 STAIR 1 - FIRST FLOOR PLAN
1/4" = 1'-0"

PERMIT SET



01-05-2024

PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

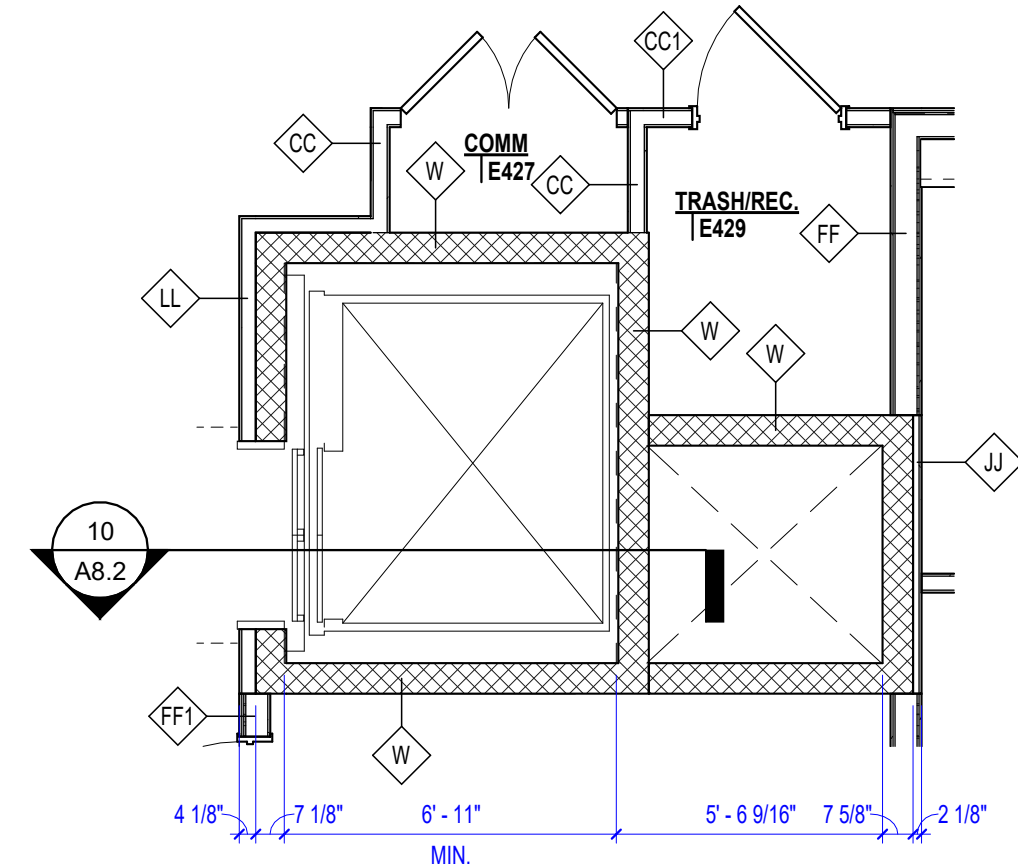
SFC

SFC Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfc.com

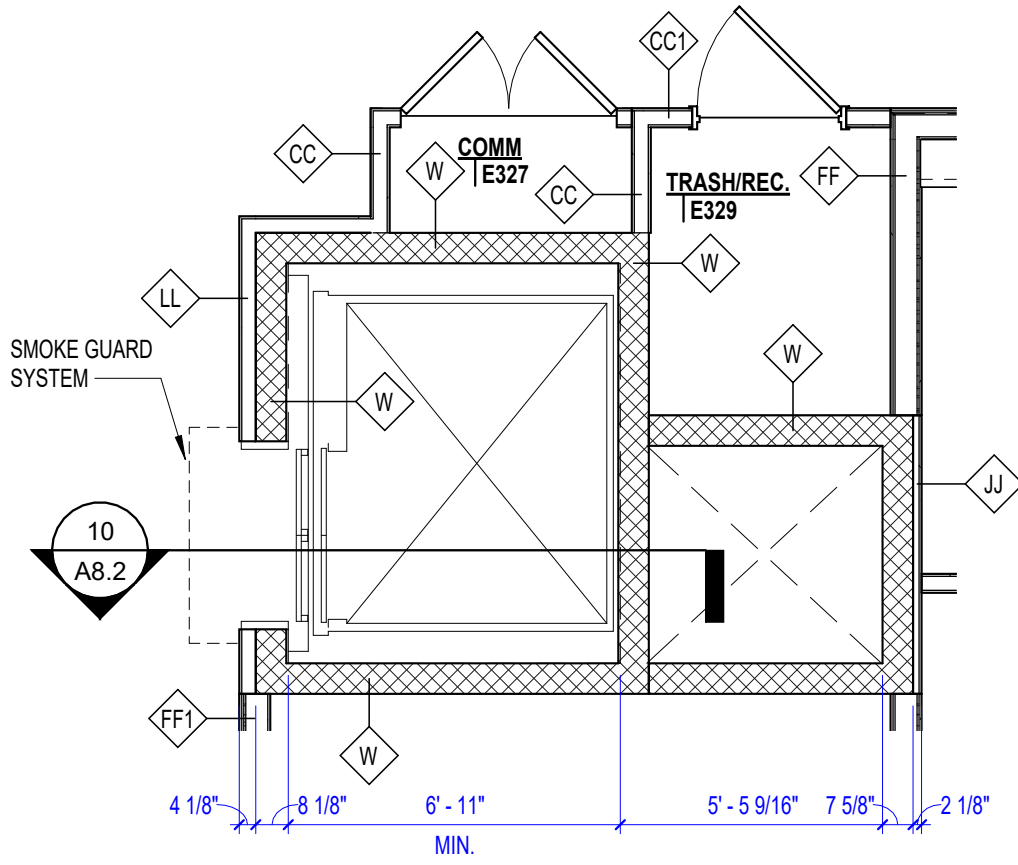
DESIGNER : DAS	DRAWN : DAS
ARCHITECT : DAS	CHECKED : CHK
ENGINEER : DES	APPROVED : APP
NO.	REVISION DESCRIPTION
2	Rev 1 - Permit Comments
	DATE
	02/15/24

DRAWING TITLE
STAIR PLANS & SECTIONS

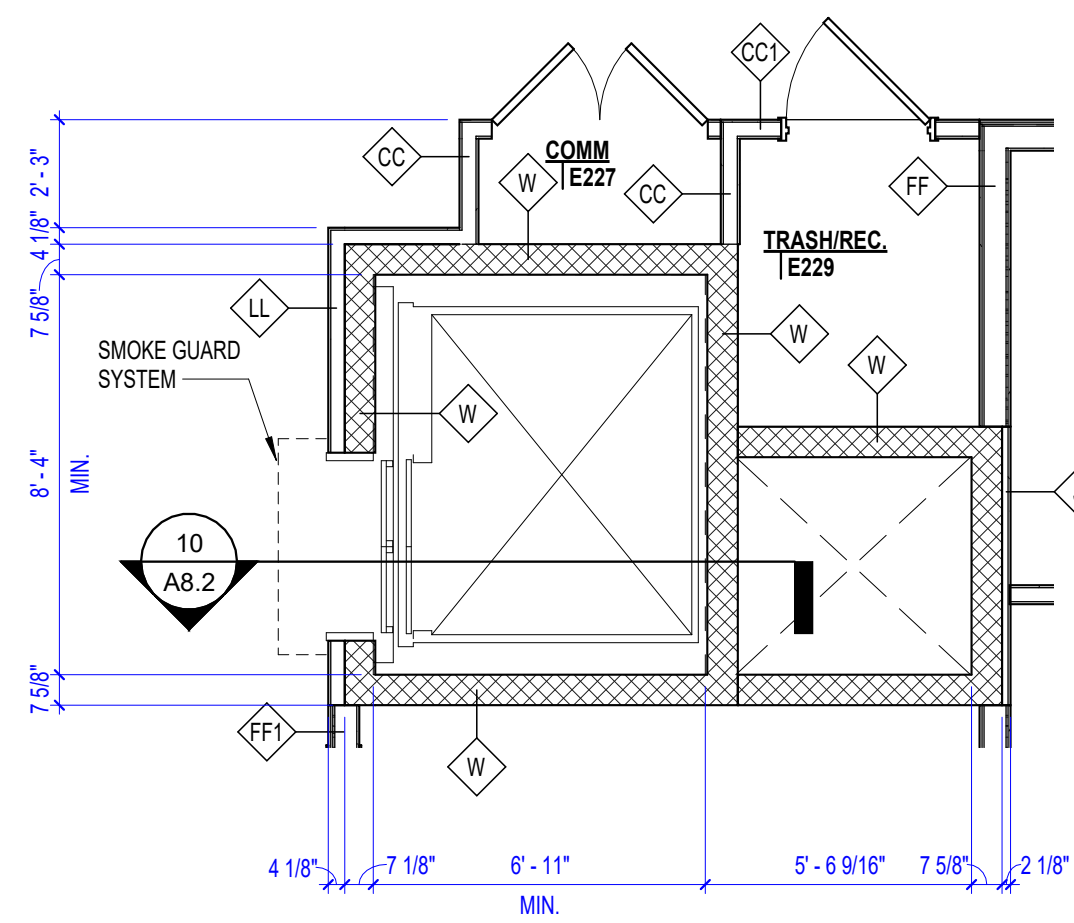
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	A8.1



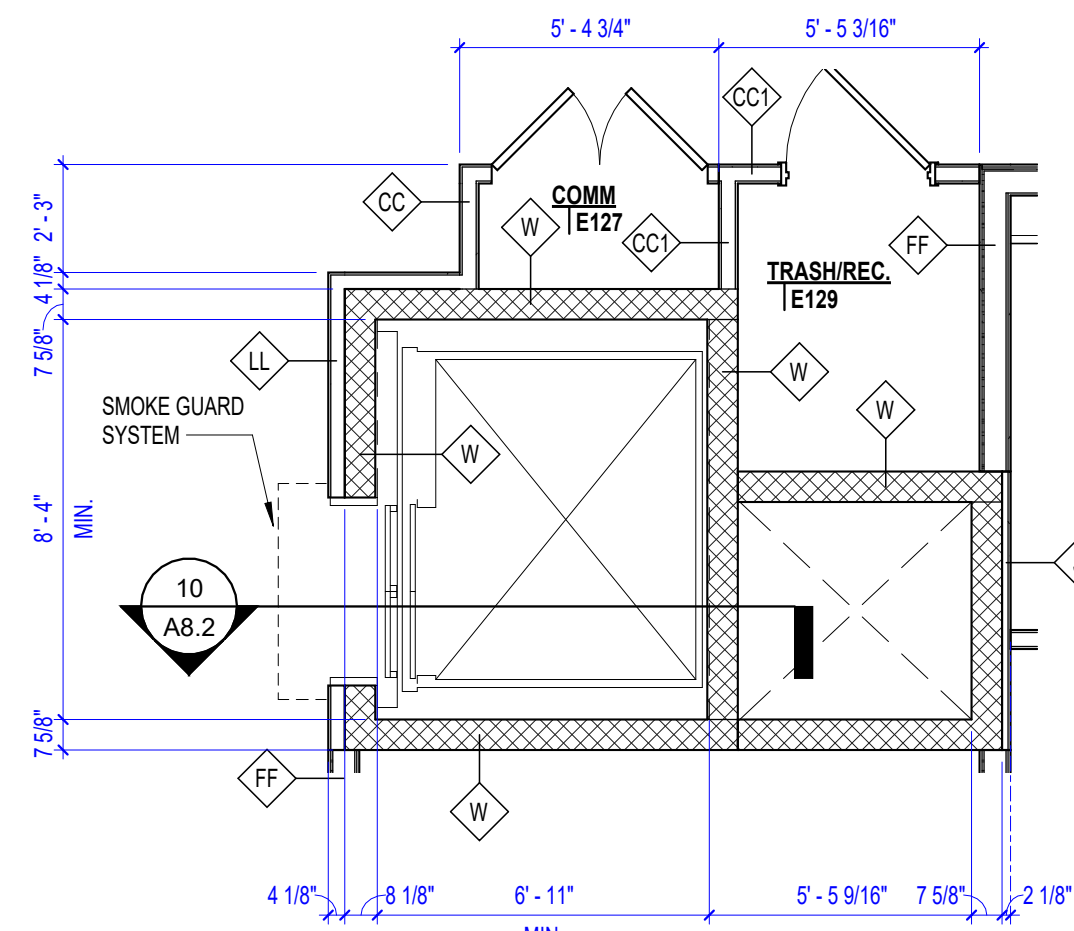
9 ELEV 2 - FOURTH FLOOR PLAN
1/4" = 1'-0"



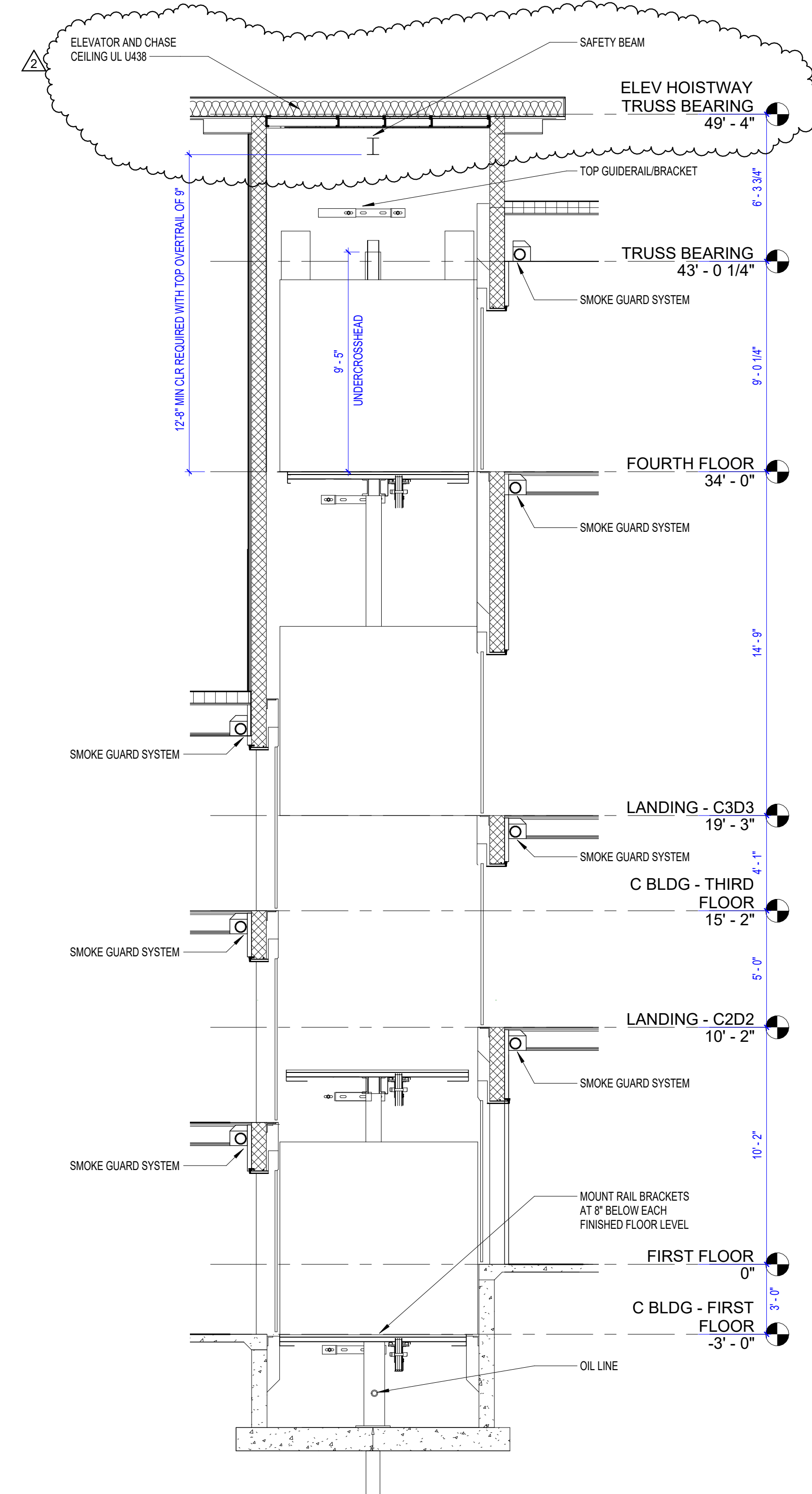
8 ELEV 2 - THIRD FLOOR PLAN
1/4" = 1'-0"



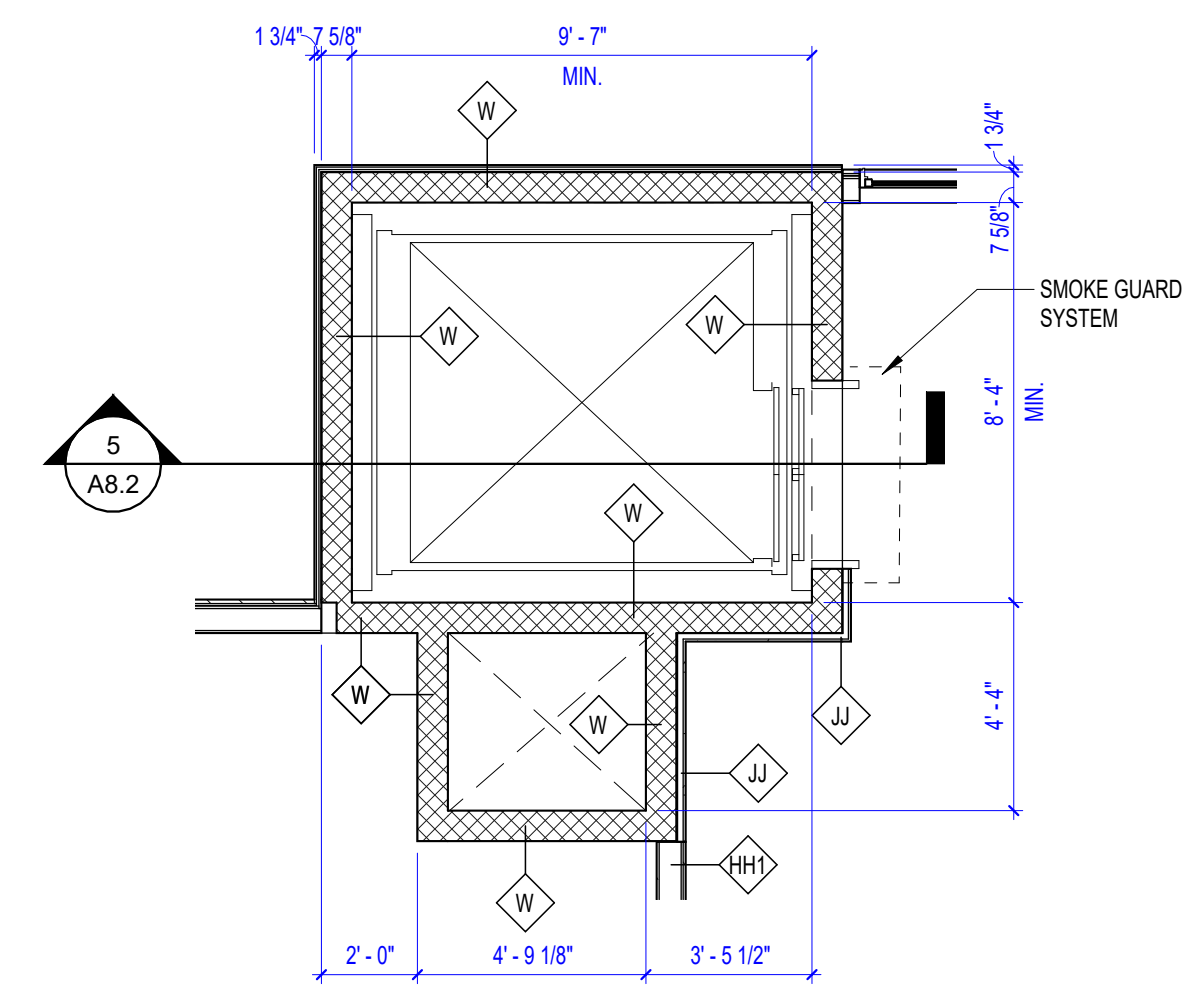
7 ELEV 2 - SECOND FLOOR PLAN
1/4" = 1'-0"



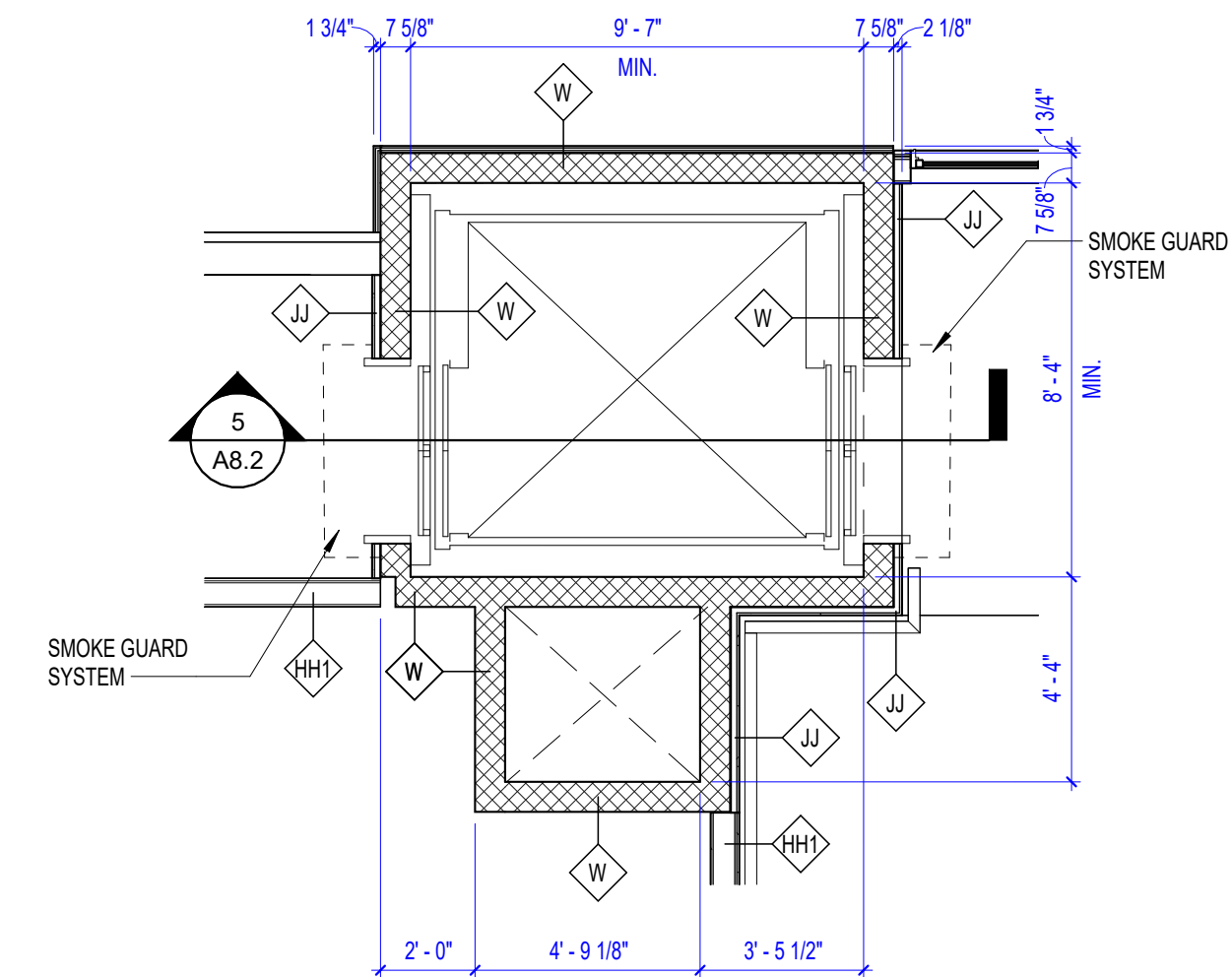
6 ELEV 2 - FIRST FLOOR PLAN
1/4" = 1'-0"



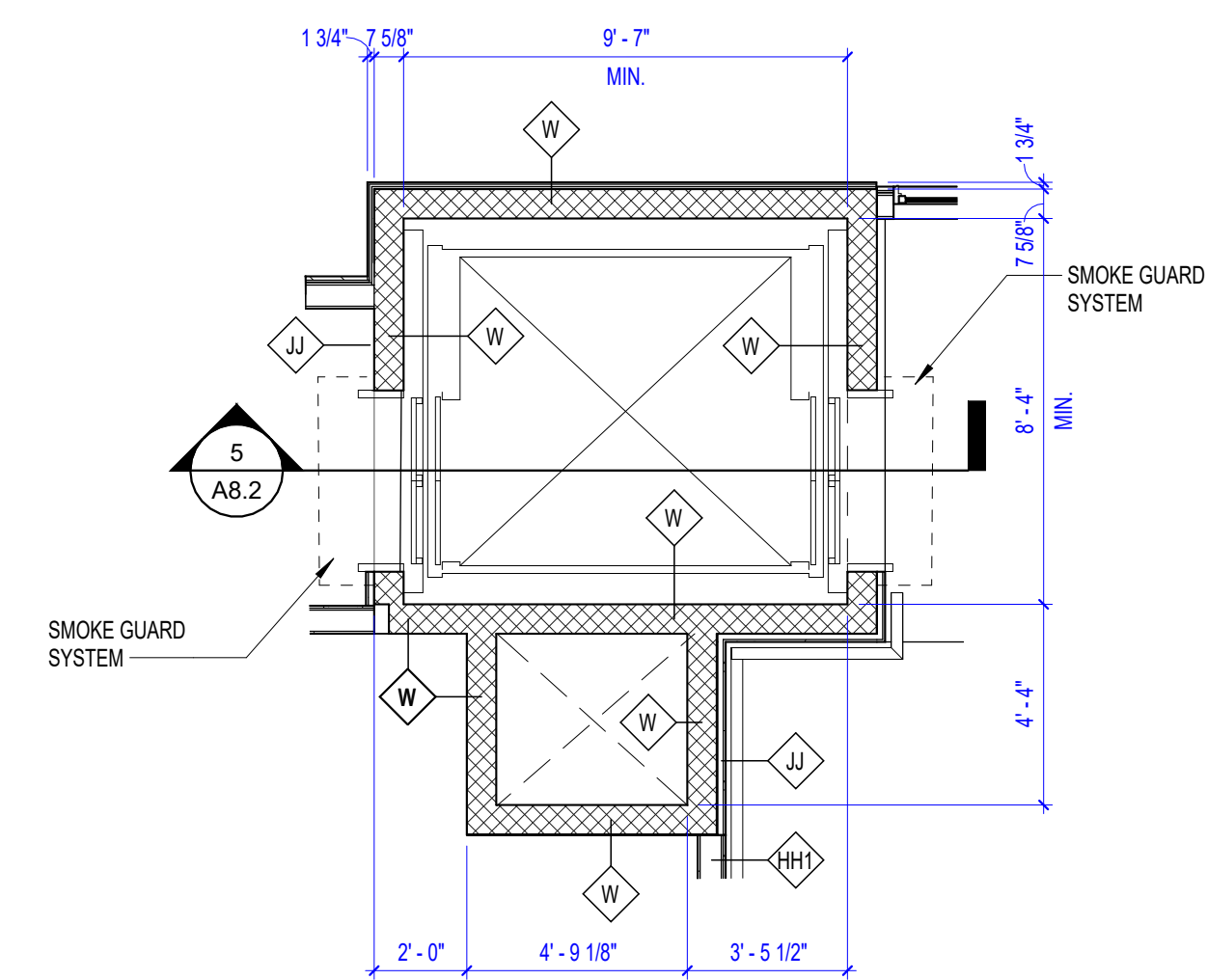
5 ELEV 1 - SECTION
1/4" = 1'-0"



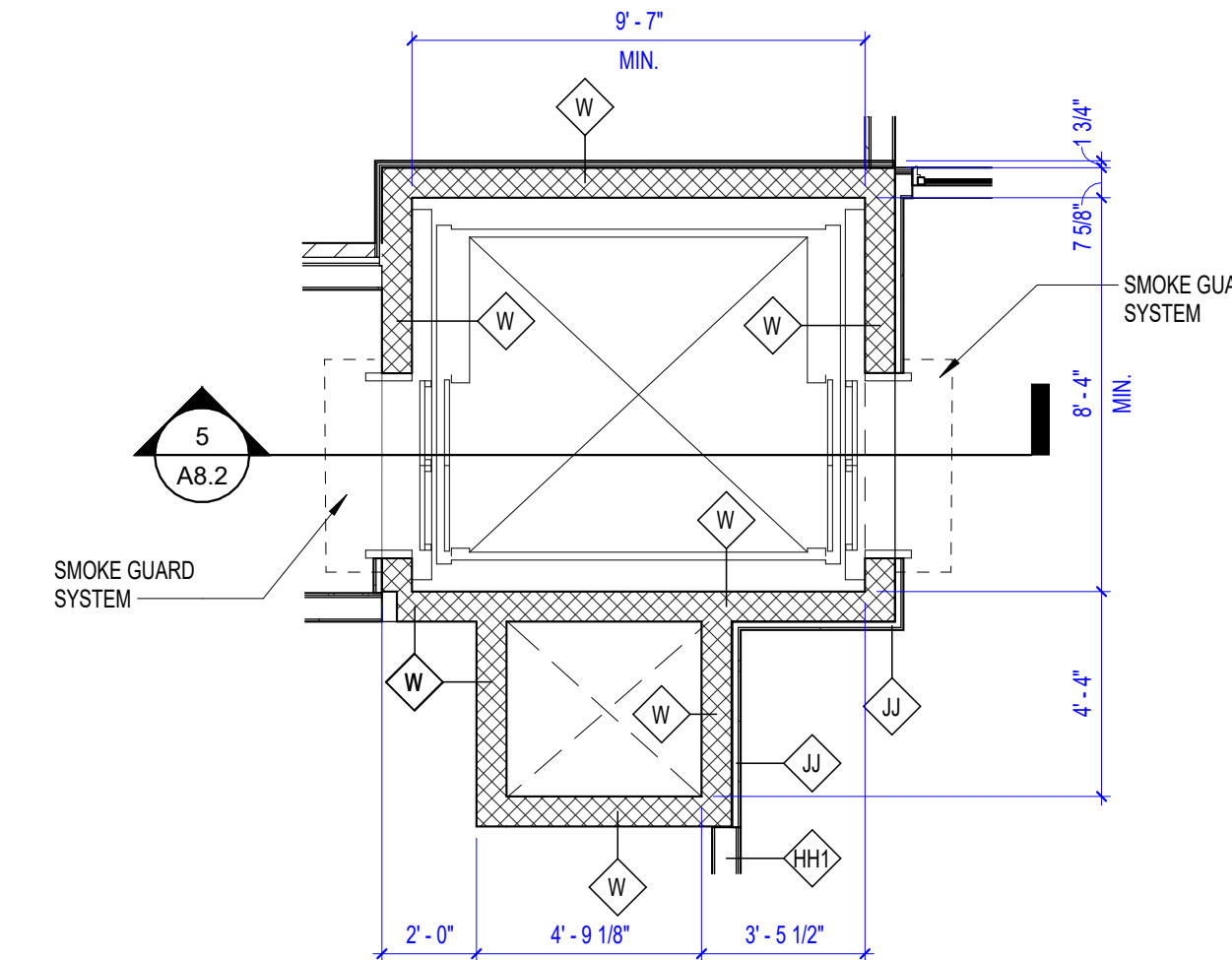
4 ELEV 1 - FOURTH FLOOR PLAN
1/4" = 1'-0"



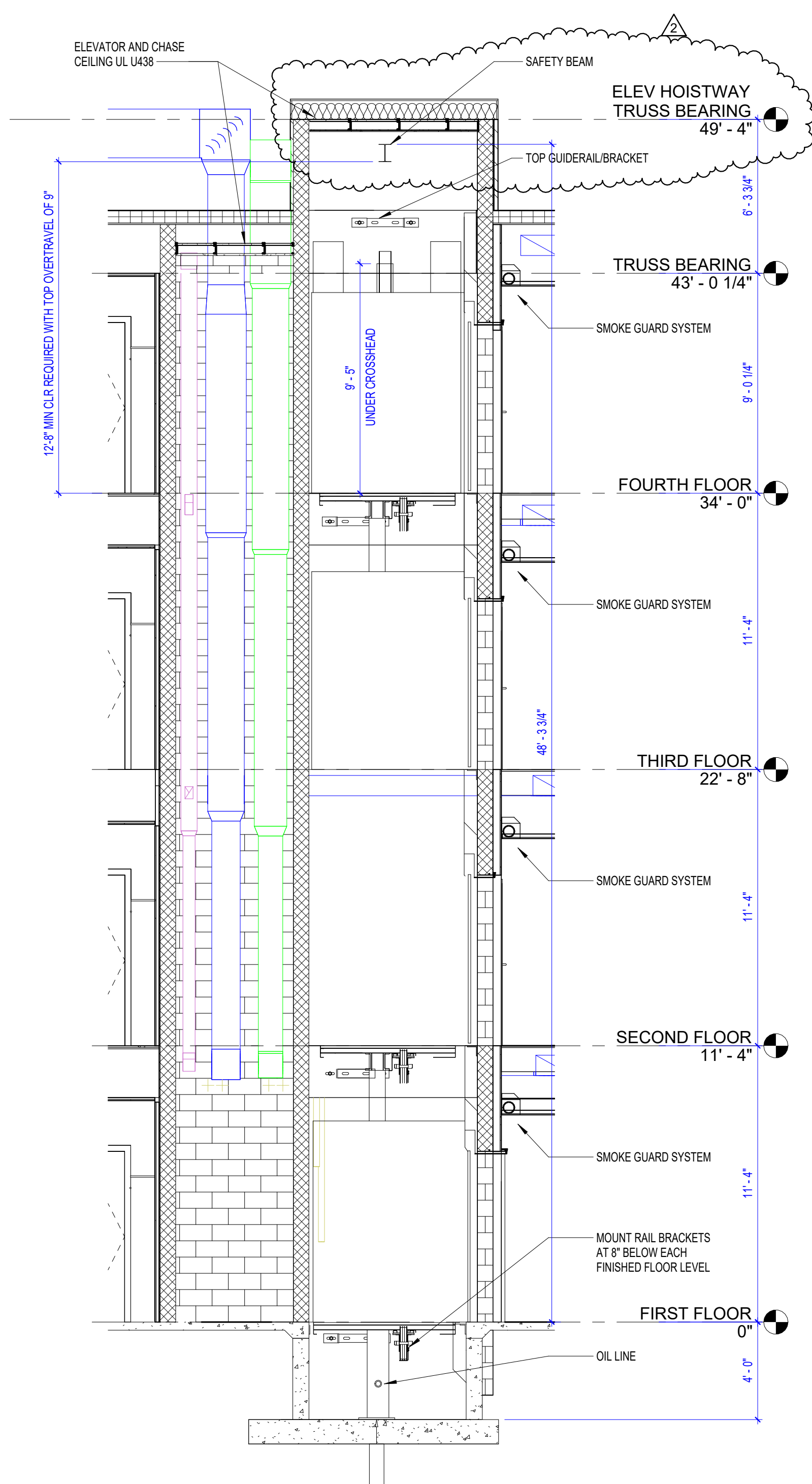
3 ELEV 1 - THIRD FLOOR PLAN
1/4" = 1'-0"



2 ELEV 1 - SECOND FLOOR PLAN
1/4" = 1'-0"

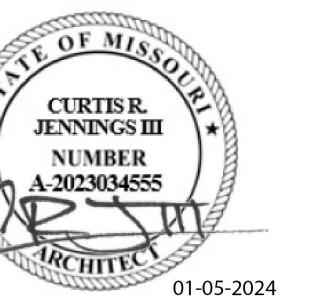


1 ELEV 1 - FIRST FLOOR PLAN
1/4" = 1'-0"



10 ELEV 2 - SECTION
1/4" = 1'-0"

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFC**CS** Architecture
Engineering
Planning
Interiors

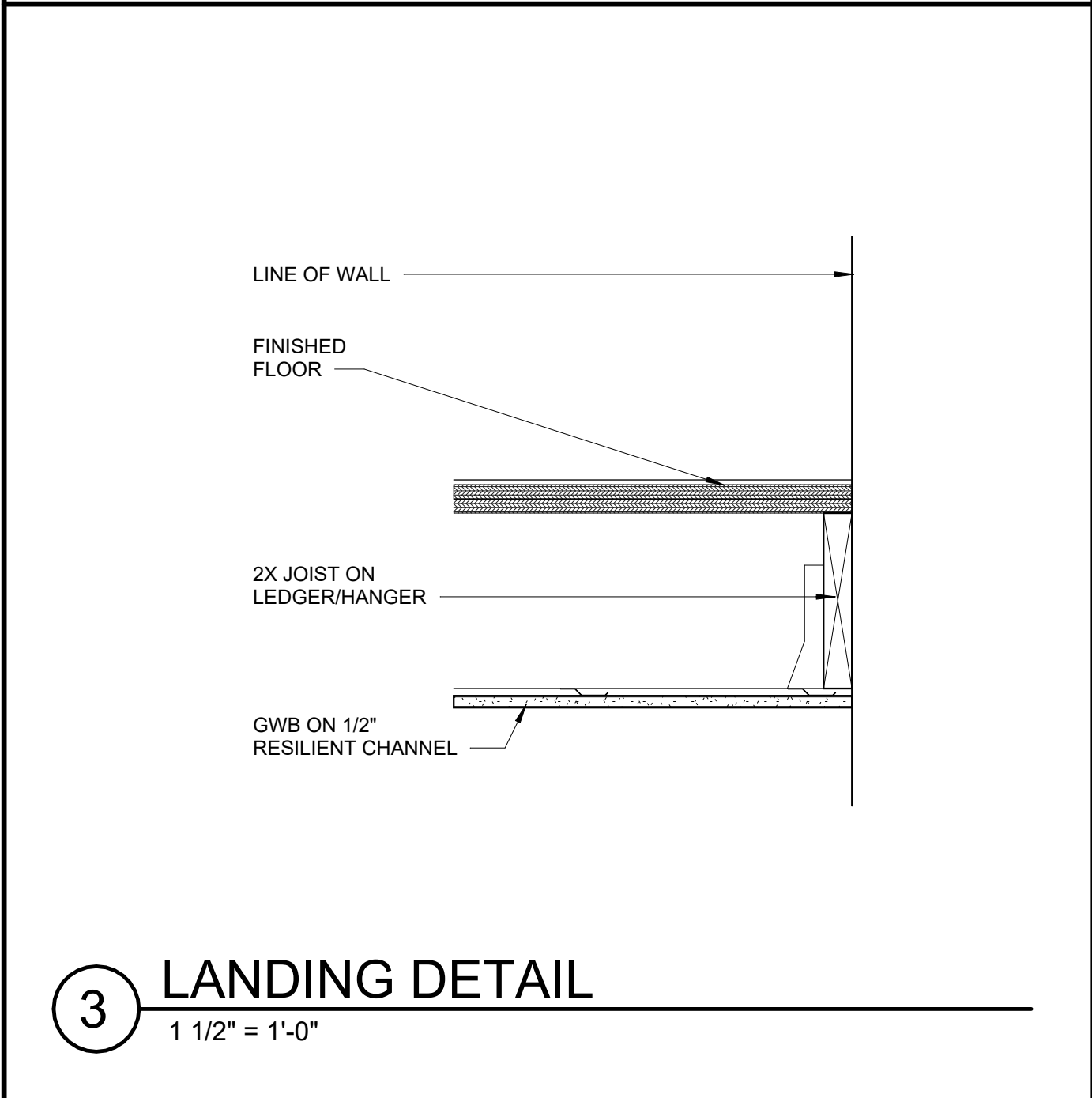
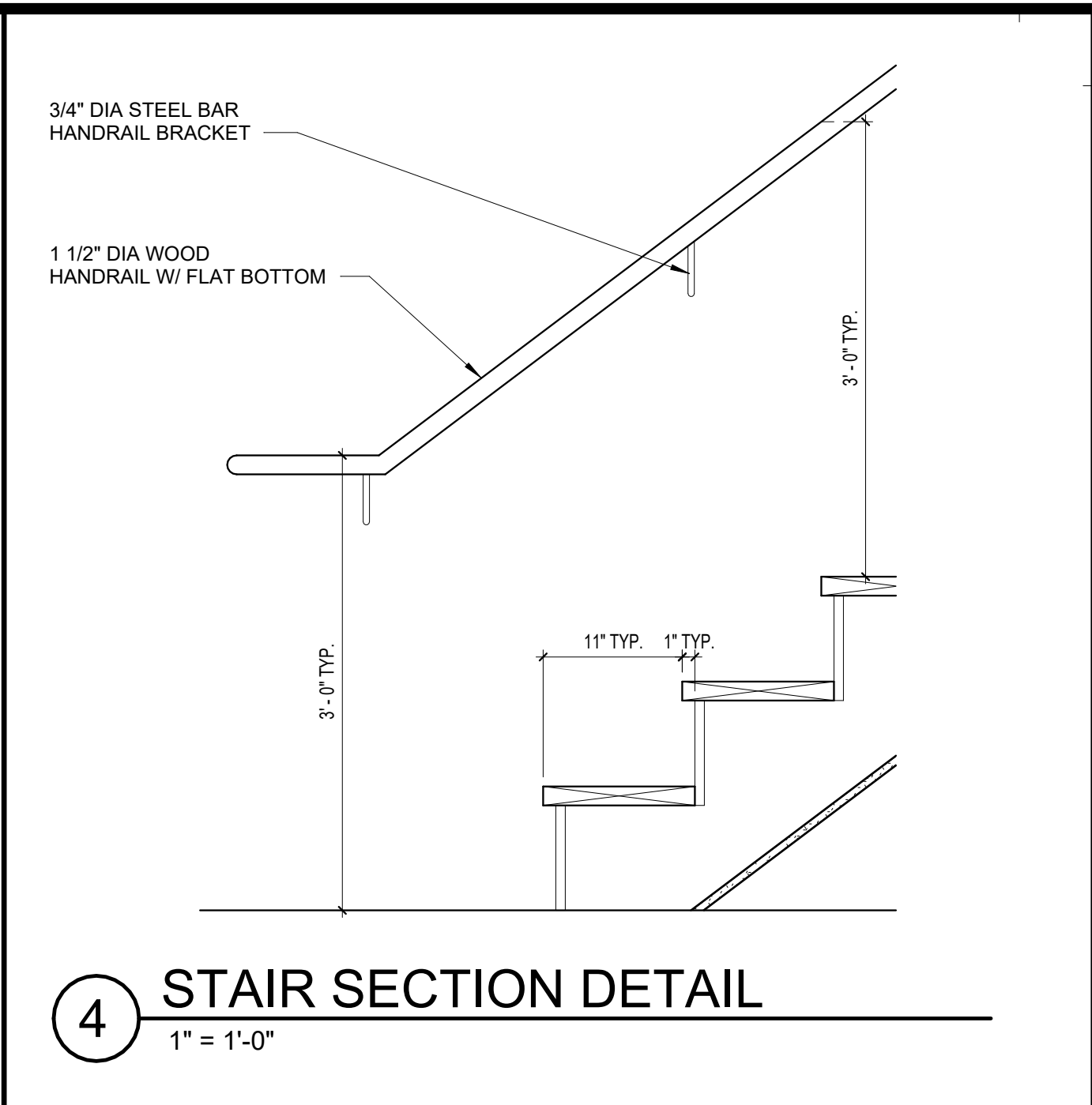
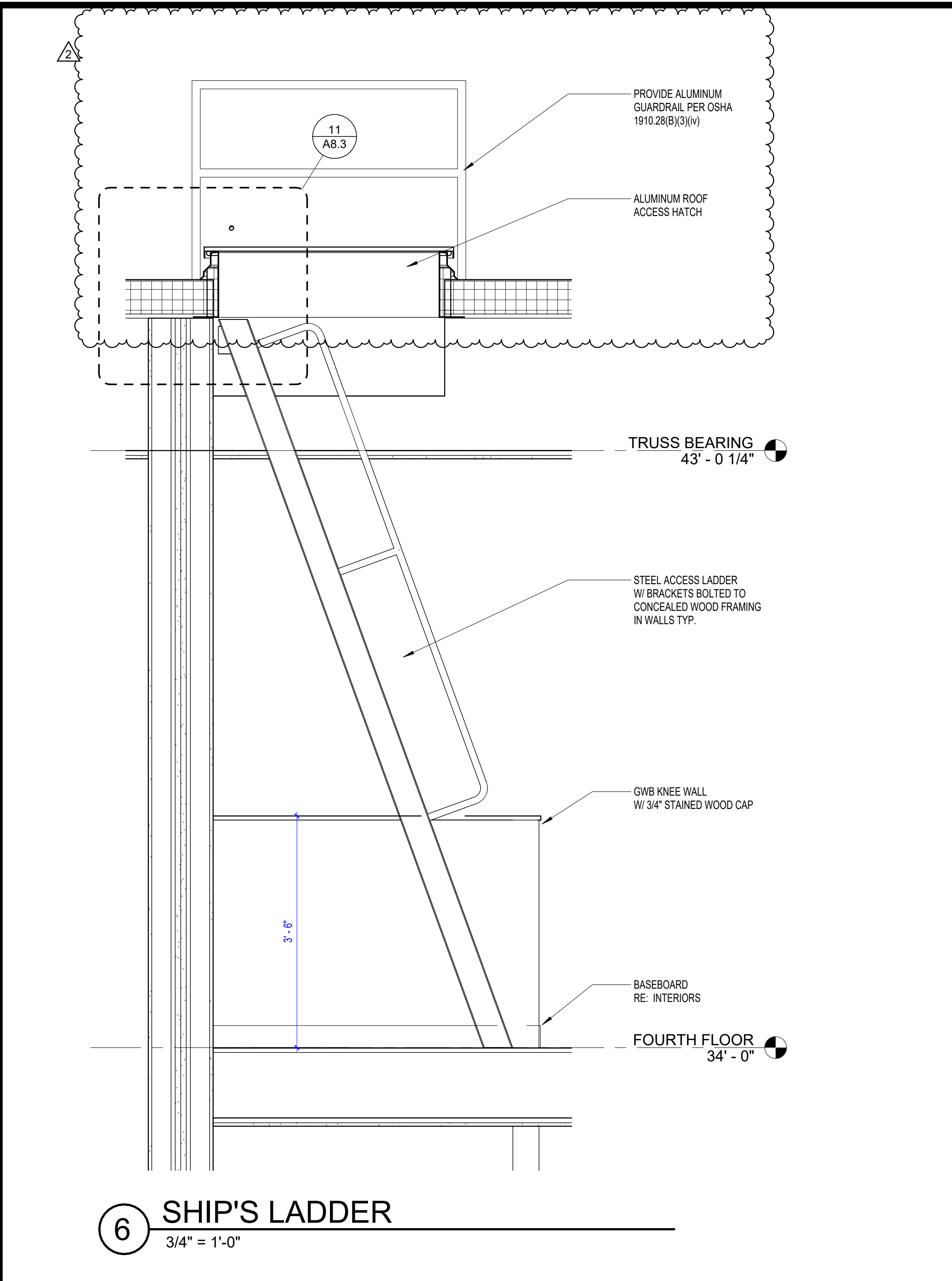
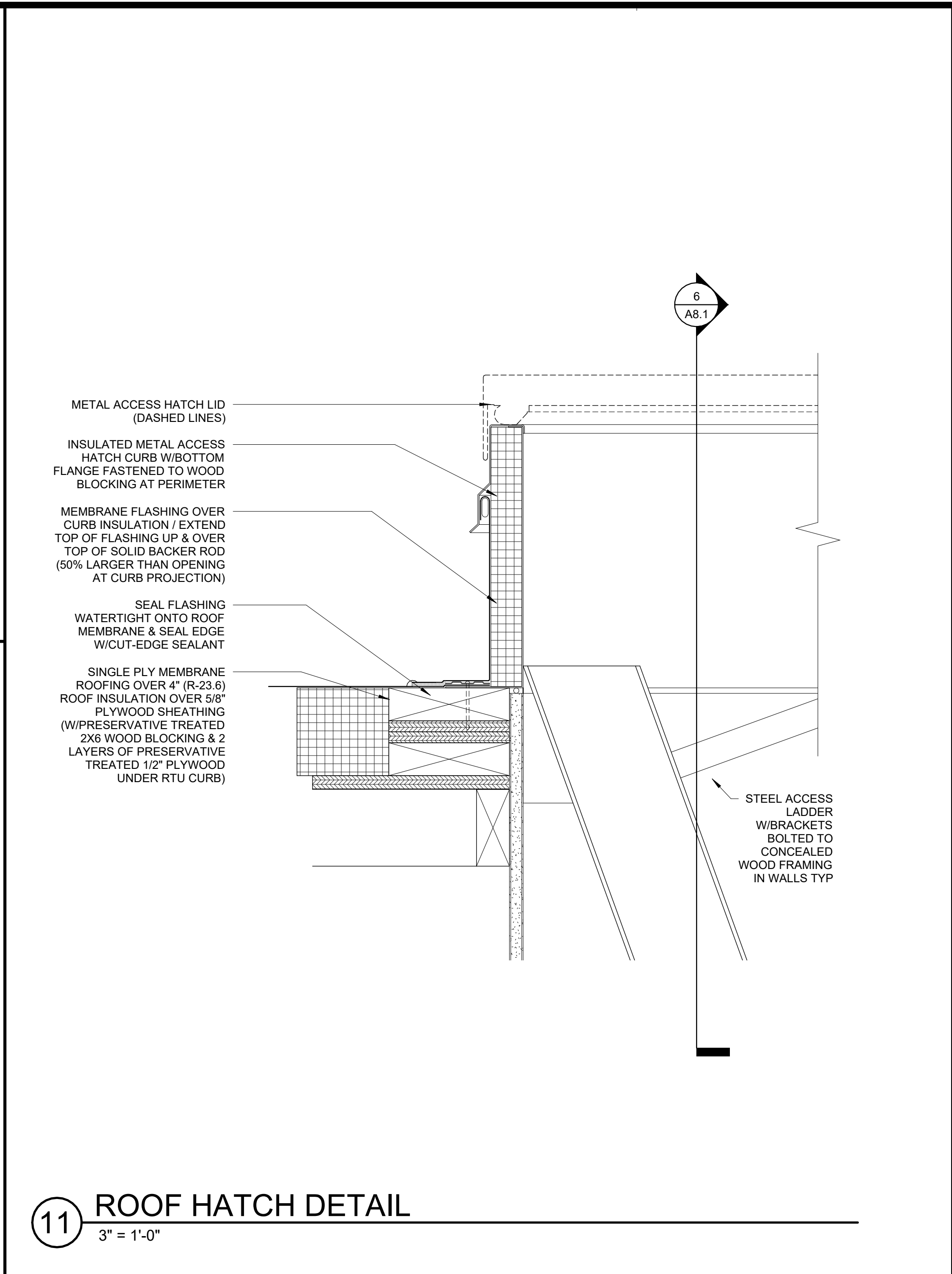
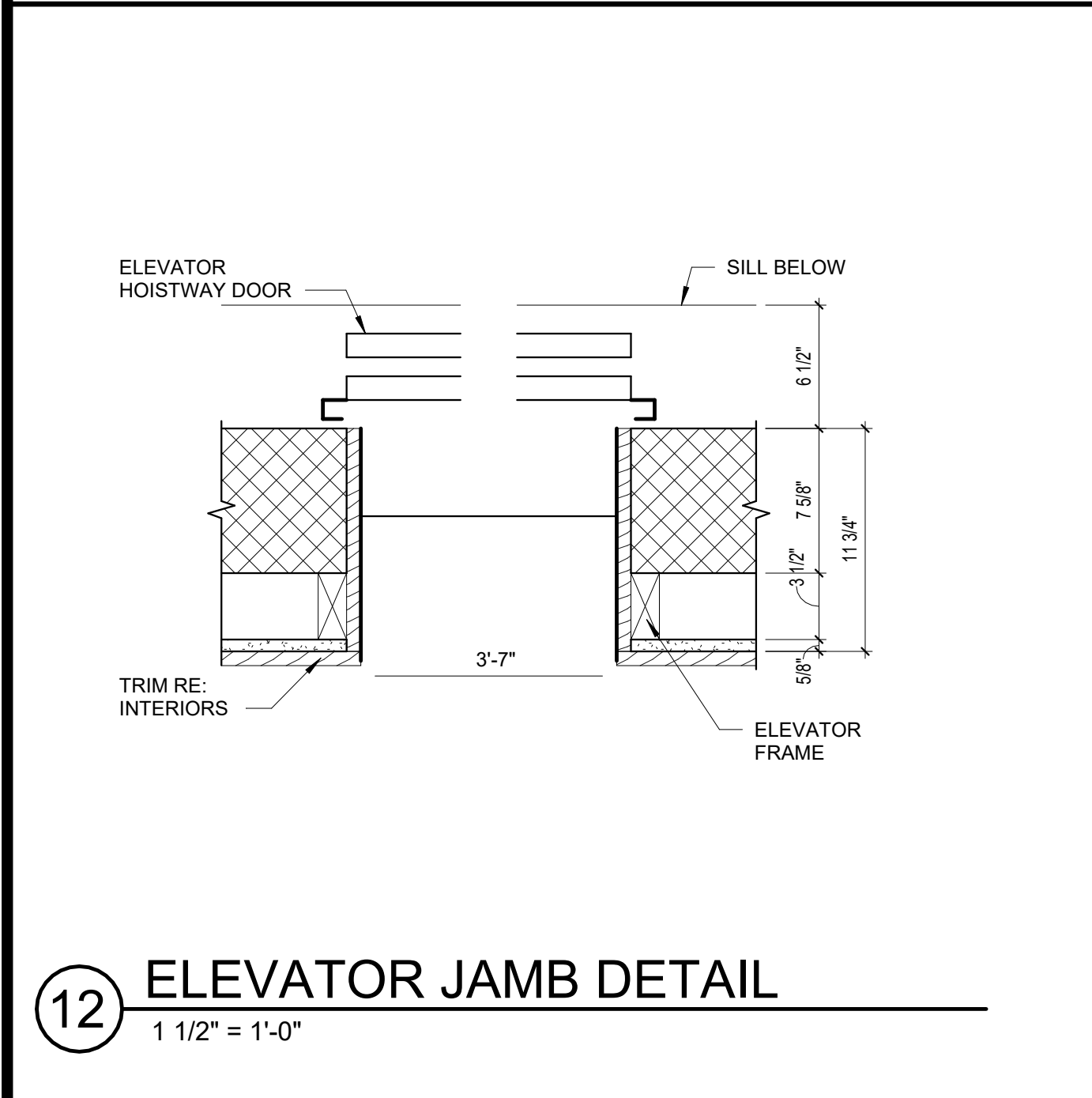
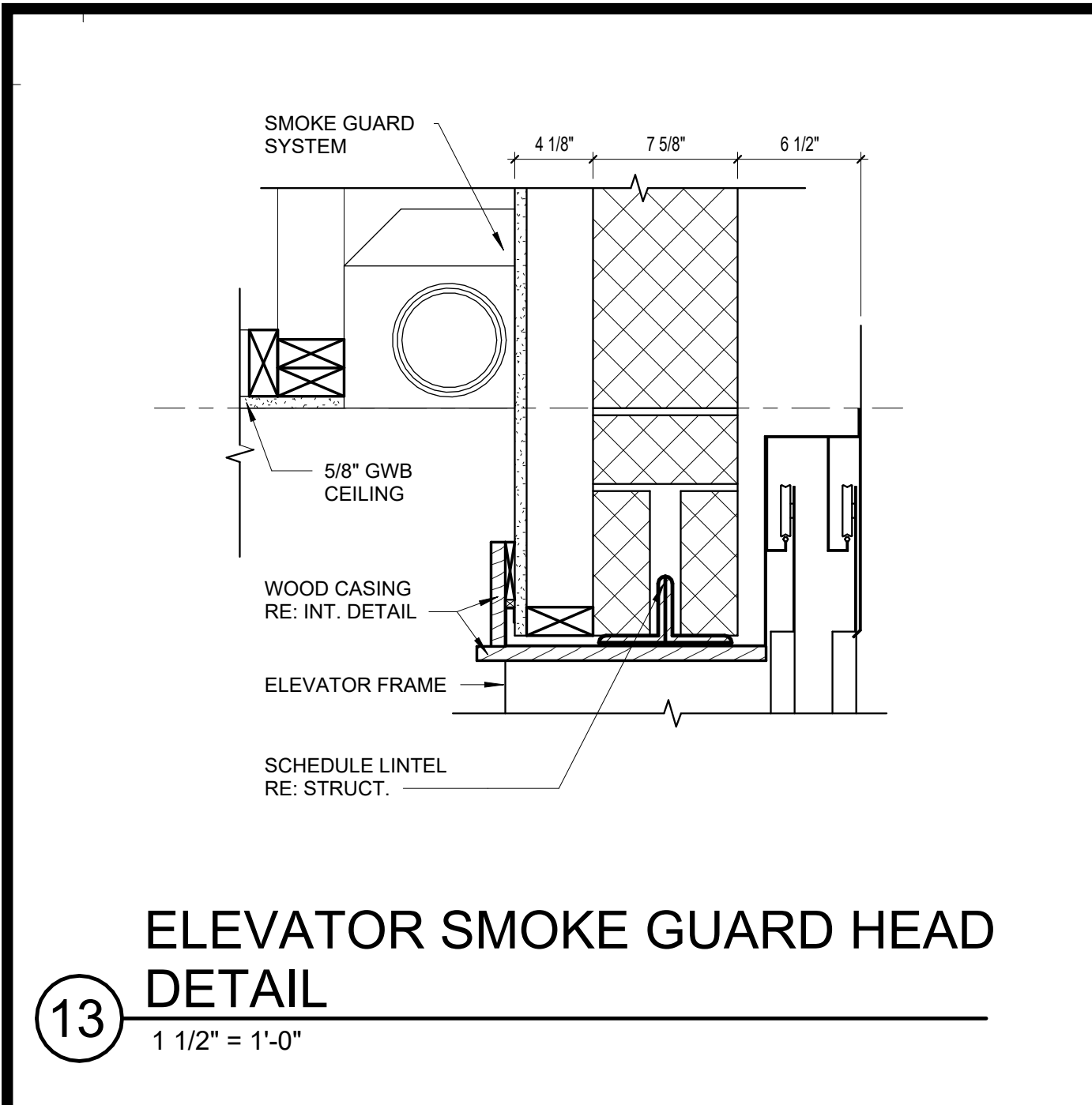
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : DAS
ARCHITECT : DAS	CHECKED : AAT
ENGINEER : CRJ	APPROVED : CRJ
NO. 2	REVISION DESCRIPTION DATE
	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE
ELEVATOR PLANS &
SECTIONS

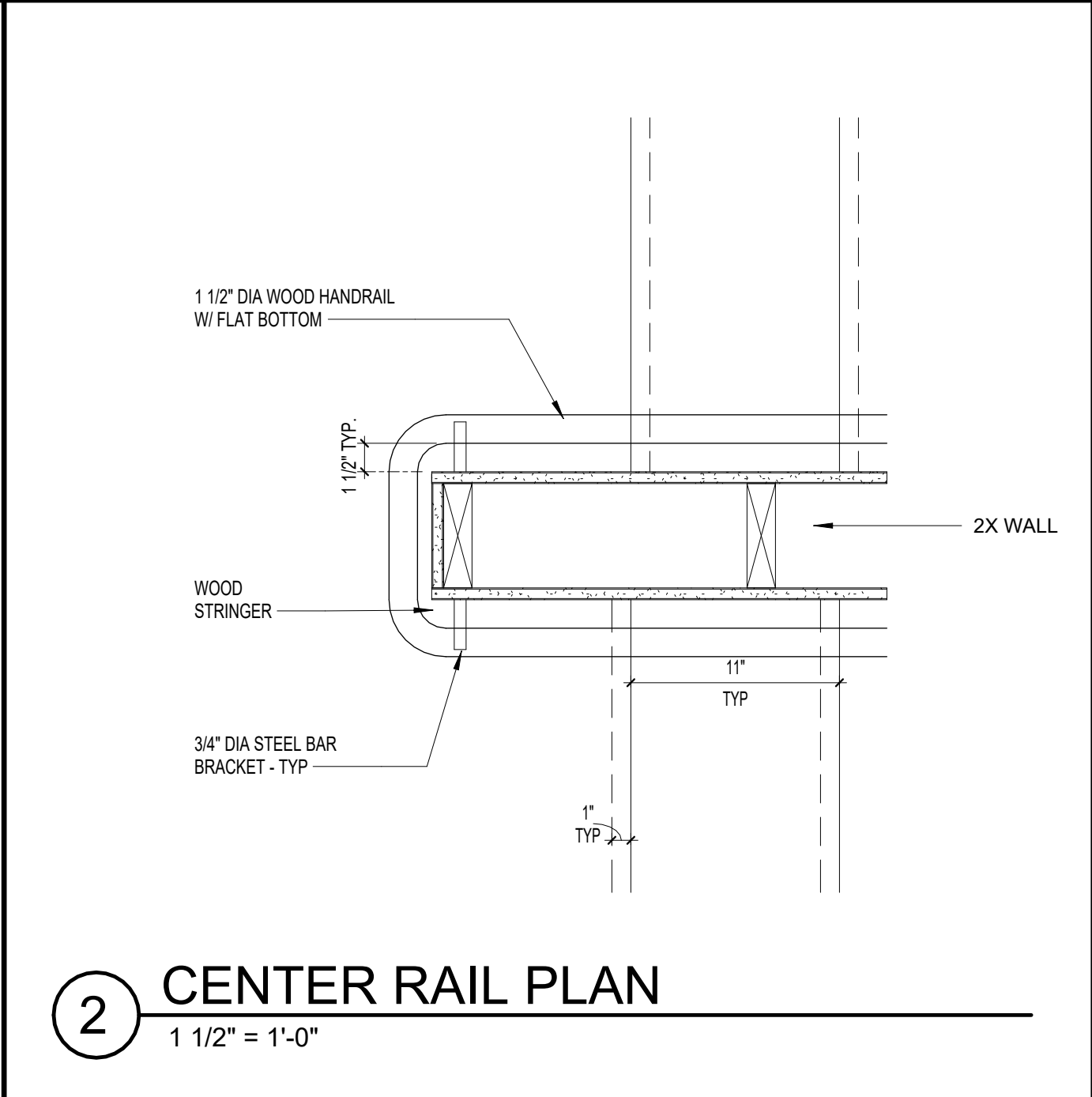
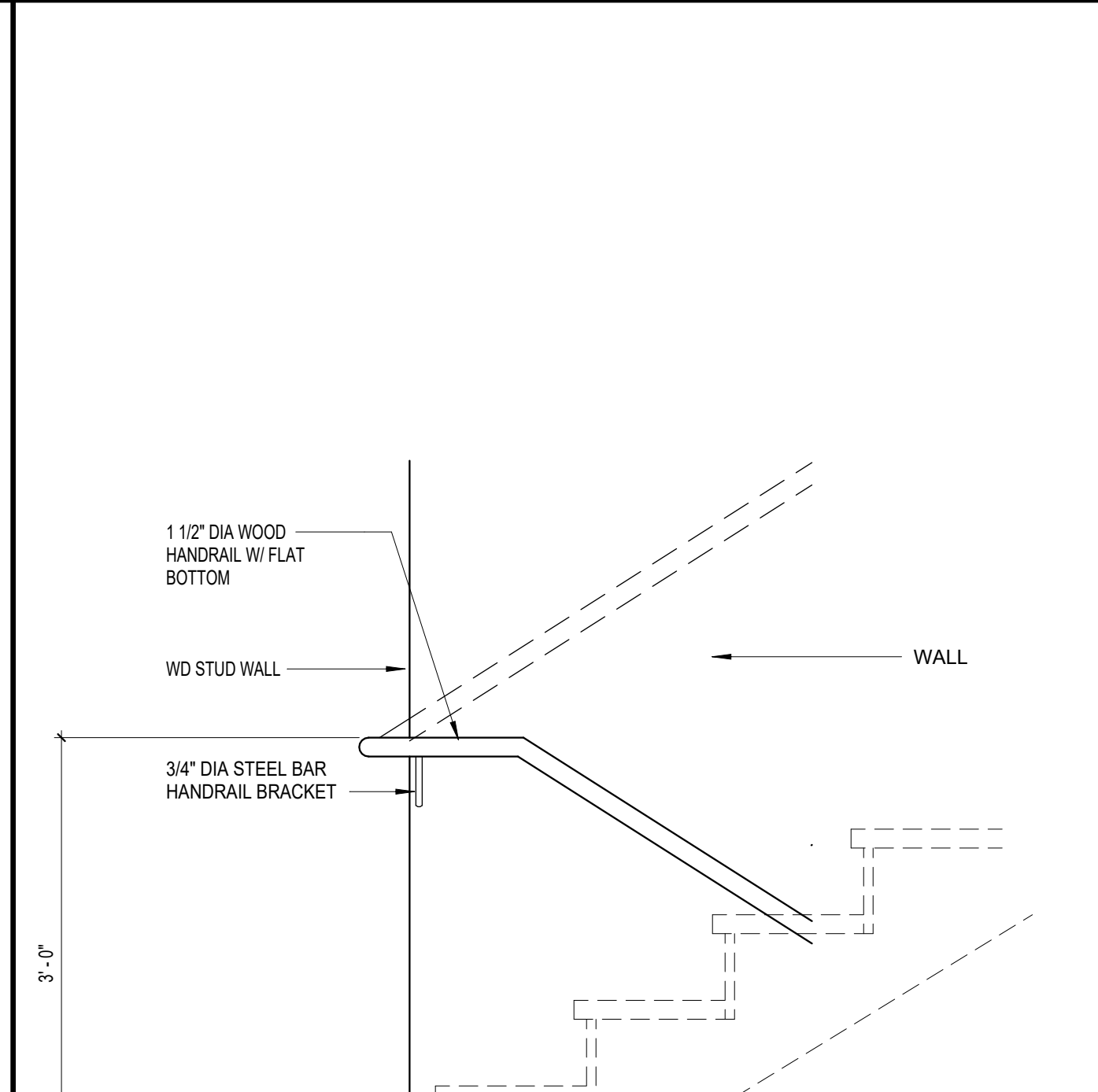
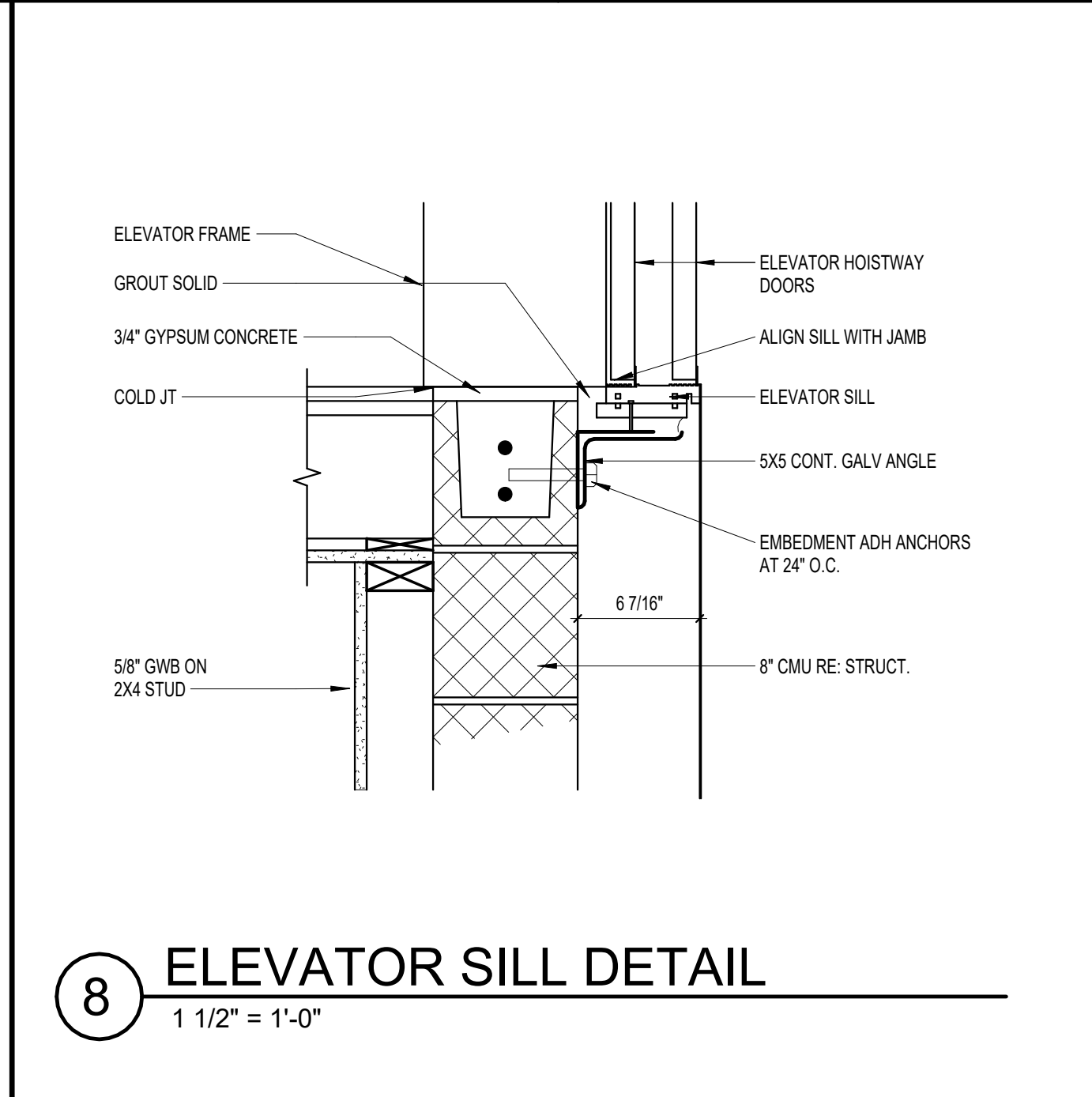
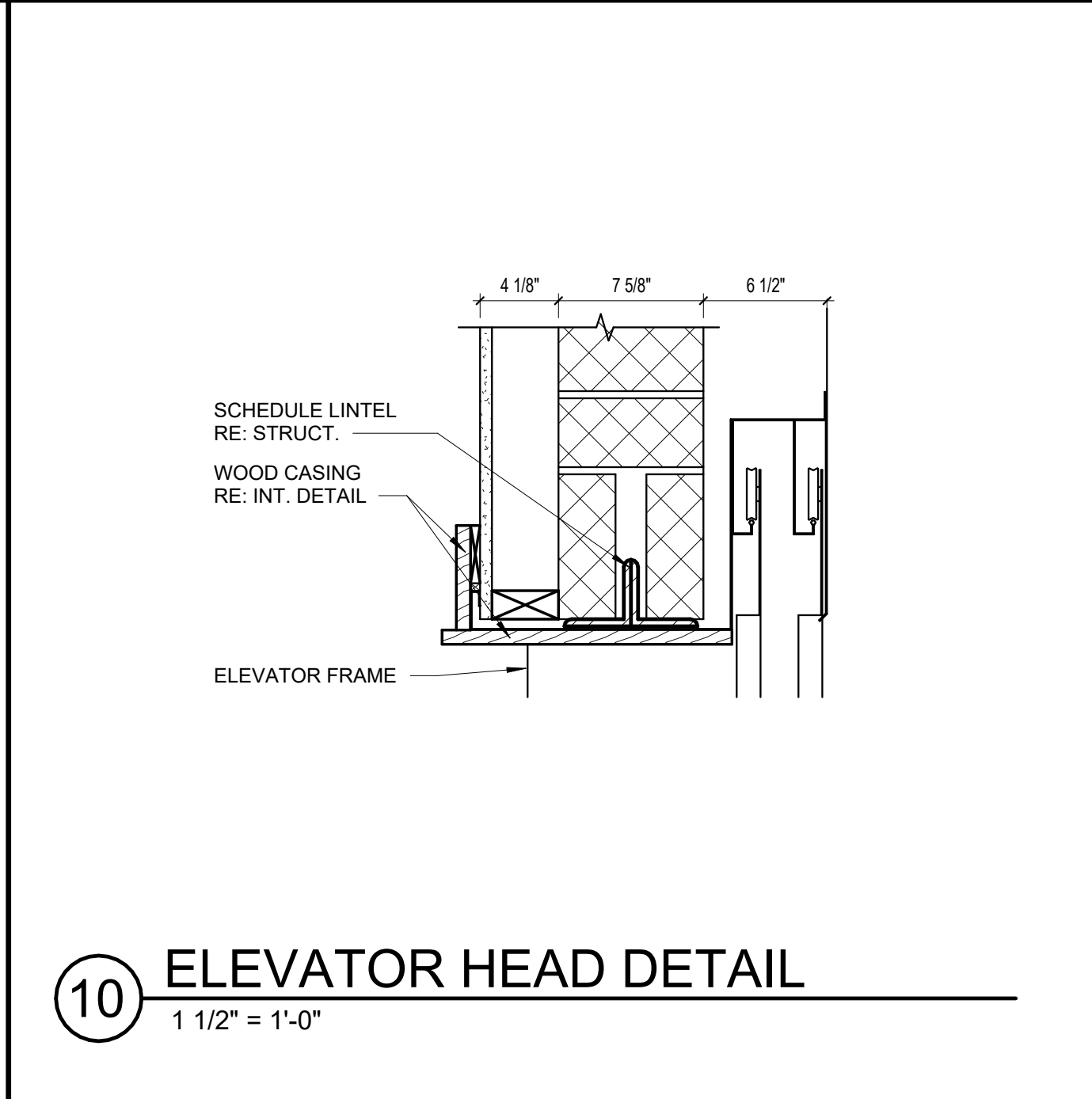
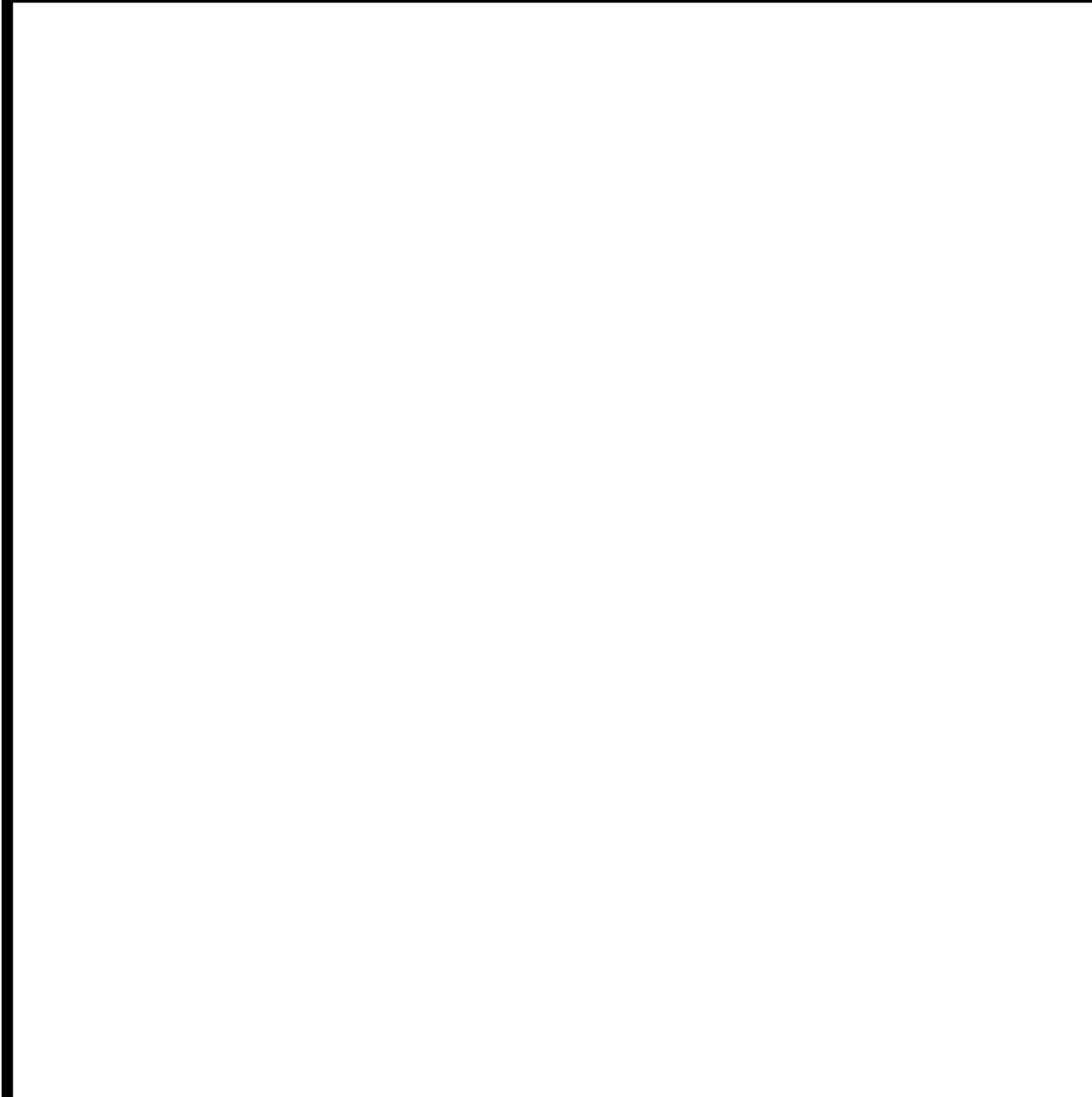
DATE: January 5, 2024
COMM. NO. 23104.00

A8.2



GENERAL NOTES

NOTE 1: 1/2" GAP BETWEEN STRINGERS. GUARDRAILS SHALL BE MOUNTED ON STRINGER CENTERLINES. PROVIDE 1 1/2" CLEAR DIMENSION FROM HANDRAIL TO GUARDRAIL.

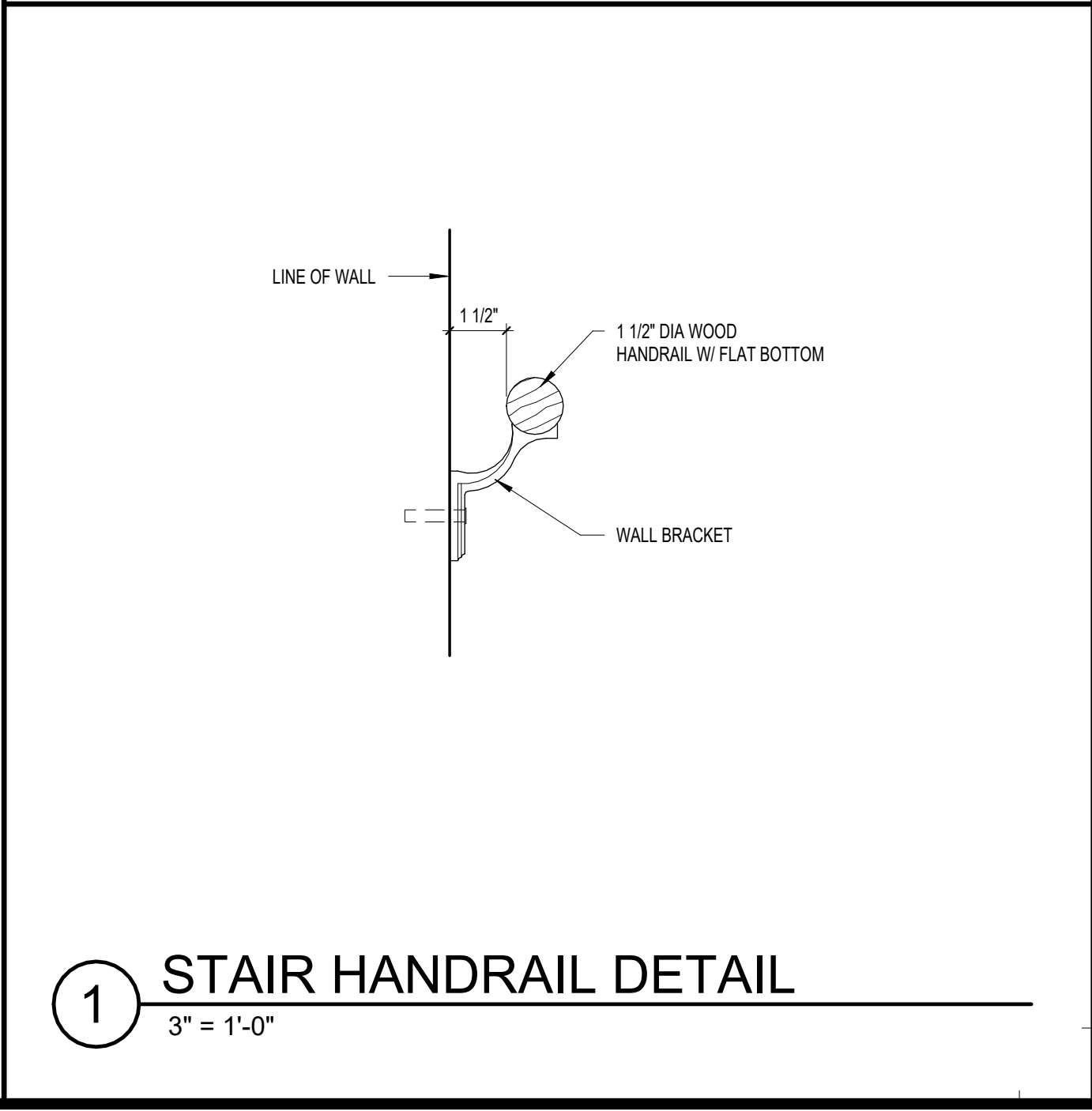
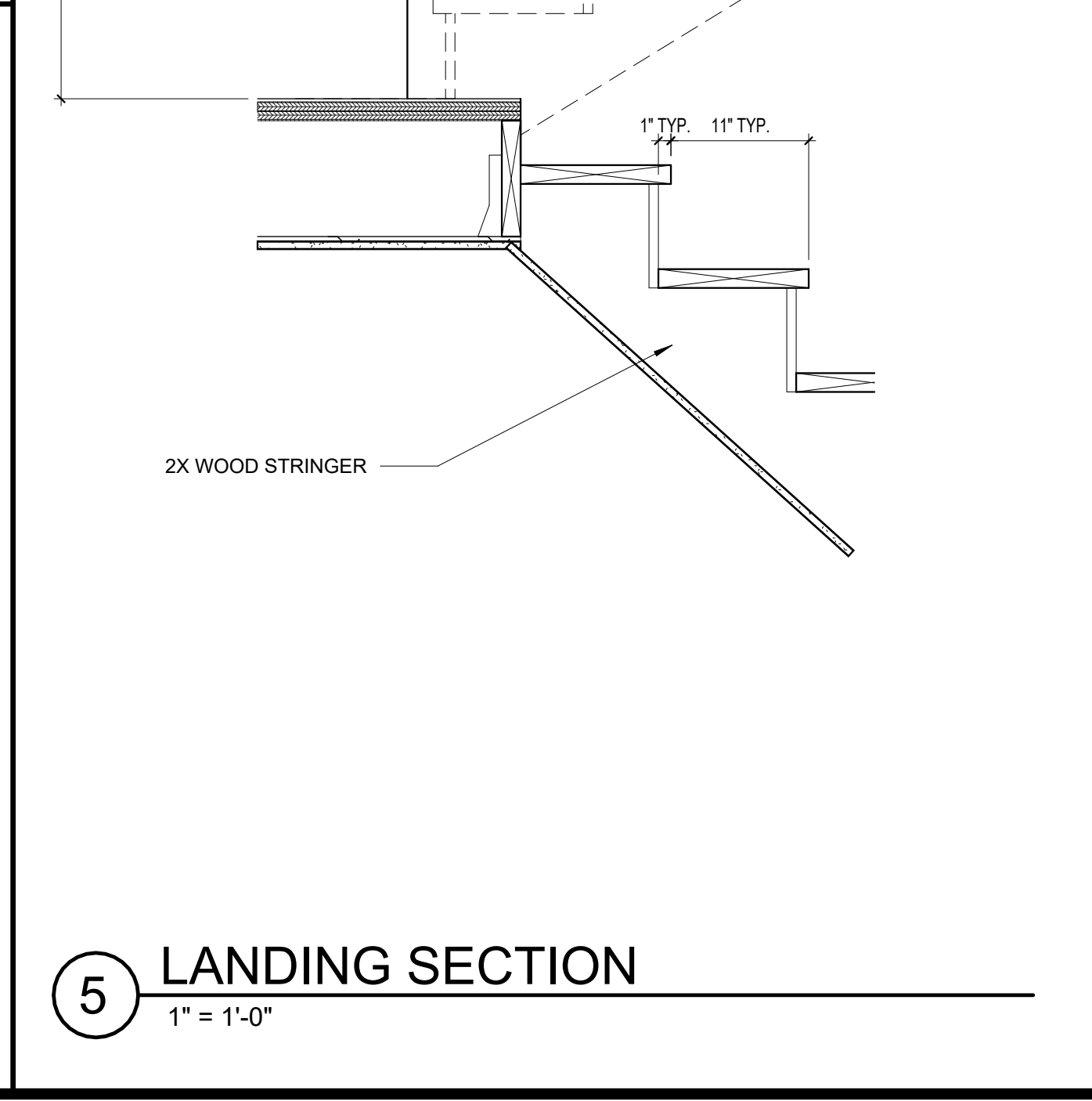
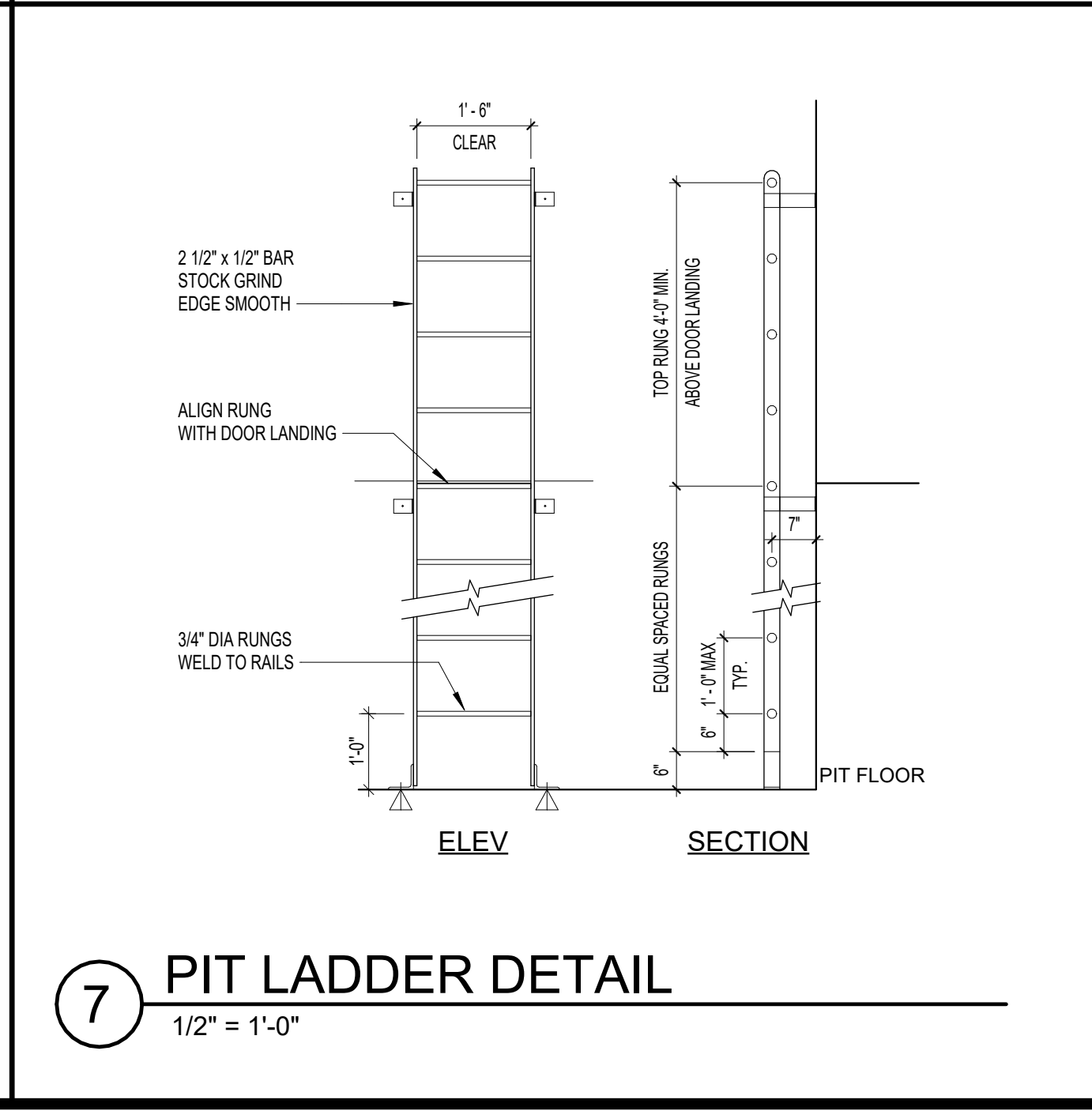
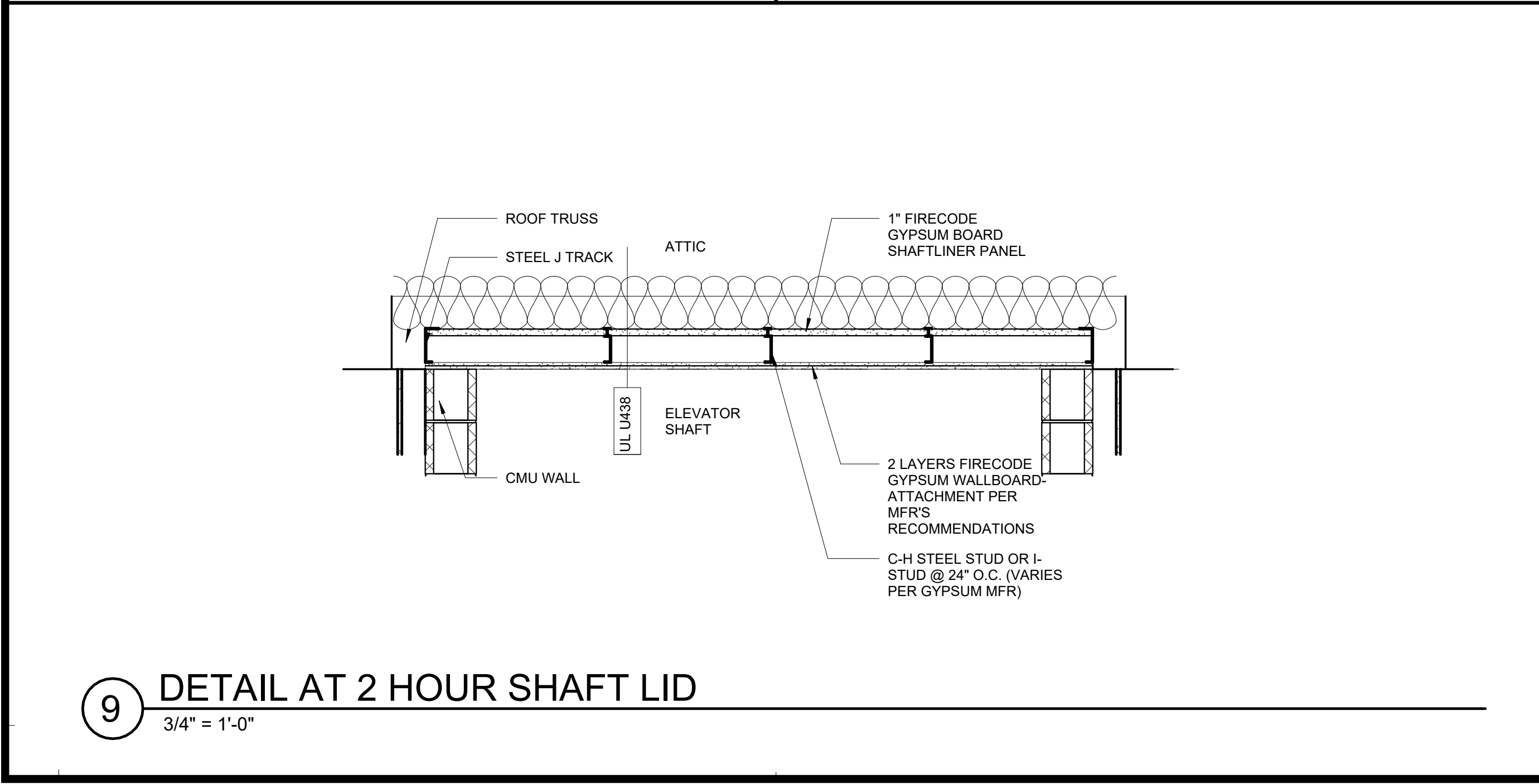


PERMIT SET

CLUBB JENNINGS III
NUMBER 1
ARCHITECT

PROJECT TITLE

John Knox Village
COURTYARDS - BUILDING E



SFCS Architecture Engineering Planning Interiors

SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : DAS	
ARCHITECT : DAS	CHECKED : AAT	
ENGINEER :	APPROVED : CRJ	
NO.	REVISION DESCRIPTION	DATE
2	Rev 1 - Permit Comments	02/15/24

DRAWING TITLE

STAIR & ELEVATOR DETAILS

DATE:	January 5, 2024	DRAWING
COMM. NO.	23104.00	A8.3

COMMONS FINISH LEGEND						
Code	Rev. Date	Manufacturer	Pattern	Color	Details	Remarks
DIVISION 06: WOODS, PLASTICS, AND COMPOSITES						
06060 ThaneLuccent Resil Panel System						
SP-1		3-Form	Vista Vite Prose	Sandstone F01	1/4" Gauge	Railing & Column Accents
062023 Interior Finish Carpentry						
WD-1		Custom		P-1	Refer ID.0 for details	Crown
WD-2		Realstone	Reclaimed Wood	Dark Panel	12"x24" Panel, Vertical Install	Accent Wall
WD-3		1" x 4"		P-1	Paintable hardwood	Columns
WD-4		1" x 6"		P-1	Paintable hardwood	Door Casing
WD-5		1" x 2"		P-1	Paintable hardwood	Door Casing
WD-7		3/4" x varies		ST-1	Stained Hardwood	Altium Applied Accent
WD-8		Custom		ST-1	Stained Hardwood, Ref. A7.3 for dimensions/details	Altium Column Wraps
WD-9		1 x 2"		ST-1	Stained Hardwood	Mail Room Trim
WD-10		1" x 1"-2"		P-1	Paintable hardwood w/ bullnose edge, 1/2" overhang	Wood topcap
WDB-1		Custom		P-1	Ref. ID.0 for dimensions/details	General Base
CR-1		Custom		P-1	Ref. ID.0 for dimensions/details	Chair Rail
LR-1		Custom		P-1	Ref. ID.0 for dimensions/details	Lean Rail
PS-1		Custom		P-1	Ref. ID.0 for dimensions/details	Package Shelf
HR-1		Tague Lumber	TL-4048	ST-1	Turn horizontal Bracket Base-of-Design Inline Design Magnetar Square Slim, Oil Rubbed Bronze	Handrail
064113 Wood-Veneer-Faced Architectural Cabinets (As noted on Interior Elevations as - WOOD VENEER ARCH MILLWORK)						
CAB-1		Custom to match Merilatt Masterpiece	To match Portrait w/ 5 piece drawer	Translucent Driftwood	Species: Maple Hardware: Richeieu Modern Metal Pull 107 Brushed Nickel 4"	Mail Room & 3rd Floor Lounge, Restrooms
CAB-2		Custom to match Merilatt Classic	To match Portrait w/ 5 piece drawer	Midnight	Species: Maple Hardware: Richeieu Modern Metal Pull 107 Brushed Nickel 4"	2nd Floor Lounge
CAB-3		Custom to match Merilatt Classic	To match Portrait w/ 5 piece drawer	Cotton	Species: Maple Hardware: Richeieu Modern Metal Pull 107 Brushed Nickel 4"	4th Lounge
DIVISION 09: FINISHES						
093013 Ceramic Tiling						
T-1		Mosaic Tile	Organic Clay	45ORGTAU210G	2"x10" Glossy, 70%, random mix throughout with T-2, Miter edges at outside corners	3rd Floor Lounge Fireplace
T-2		Mosaic Tile	Organic Clay	45ORGTAU210	2"x10" Matte 30% random mix throughout with T-1, Miter edges at outside corners	3rd Floor Lounge Fireplace
T-3		Mosaic Tile	Urban Living	04URLSAN248C	12"x24", Chiseled, Stacked, 5" H UNO	Restroom
T-4		Marazzi	Treverkchic	Americano	6"x48", Running bond instal	Altium & Restroom
T-5		Marazzi	Treverkchic	Francesse	6"x48", Running bond instal	Altium Border
T-6		Garden State Tile	Hexagon Mix	Cotton Candy Mix GSPHXCCMXSAM	1" Hex Fabric Mix	2nd Floor Backsplash
G-1		Custom Building Products		#5004 Bahama Beige	Unsaned	T-1 & T-2
G-2		Custom Building Products		#172 Urban Puty	Epoxy	T-3
G-3		Custom Building Products		#59 Saddle Brown	Epoxy	T-4, T-5
G-4		Custom Building Products		#386 Oyster Gray	Epoxy	T-6
DS-1		Schluter	Schiene / Jolly	Brushed Nickel	Use accompanying inside/outside 90 degree corner pieces and connectors to ensure there are no sharp edges. All metal edges to be sanded and sealed with no sharp edges.	Wall Tile Termination
DS-2		Schluter	Dilex	Brushed Nickel	Use accompanying inside/outside 90 degree corner pieces and connectors to ensure there are no sharp edges.	Cove base between tile floors and tile walls.
095113 Acoustical Panel Ceilings						
ACT-1		Armstrong	Ultma Tegular 1902	White	24"x24", AirGuard, 9/16" Supratrue XL Grid, White	Commons
ACT-2		Armstrong	Fine Fissured Square Lay-In 1728	White	24"x24", 15/16" Prelude XL Grid, White	BOH
096513 Resilient Base and Accessories						
RB-1		Johnsontite	Reveal MM-XX-F	TBD	4" coil	BOH
DS-3		Schluter	Schiene			CPT to T
DS-4		Johnsontite	Slim Line SLT-XX-A	TBD		VCT to CPT
DS-5		Johnsontite	Wheeled Traffic Transition CTA-XX-D			Epoxy Floor to CPT
DS-6		Johnsontite	Wheeled Traffic Transition CTA-XX-L	TBD		CPT to SC
DS-7		Johnsontite	Slim Line SLT-XX-A	TBD		CPT to RF (Vinyl Tile)
096516 Resilient Sheet Flooring						
RF-2		Mannington	Paradigm Intersect	Basis PAR100	Heat weld with matching seams, integral 4" cove	BOH
096519 Resilient Tile Flooring						
RF-1		Tarkett	VCT II	556 Sandstone W	12"x12"	Resident Closet
RF-3		Cobalt Surfaces	Katanga K12-802	Sand Dune	7"x48", Glue-down;	2nd & 4th Floor Lounge
096515 Tile Carpeting						
CPT-1		Interface	Viva Colors	Gre 101170	20"x20", quarter turn	Border
096816 Sheet Carpeting						
CPT-2		Tarkett	Lido 40033	Spring Azure	12' 6" roll, 32 oz	Stairs
CPT-3		Tarkett	Buccato 40030	Spring Azure-01950	12' 6" roll, 32 oz	Inserts, Lounges
CPT-4		Tarkett	Vetro 40032	Spring Azure-01950	12' 6" roll, 32 oz	Ramps, Corridors
CPT-5		Custom Siermo International Inc.	#175 #178	Fossil Thundercloud	Siermo Quote #26401	Vestibules
097200 Wall Covering						
WC-1		Innovations Walcovering	Glint GLN-009	Ore	54"W, Type II, 20 oz, Non-match repeat, microperforated	Mail Room
WC-2		MDC	Eclipse JEC0810	Goldfinger	54"W, Type II, 20 oz, Reversible half drop match, 3.5"Vertical repeat, microperforated	Restrooms
WC-3		Momentum	Stella 2xSTL-08	Cognac	54"W, Type II, 20 oz, Straight match	3rd Floor Lounge
097723 Fabric-Wrapped Panel						
FWP-1			Muharam - Lumen	TBD	1/2" Fabric Wrapped Homasote Tackboard	Mail Room
099123 Interior Painting						
P-1		Sherwin Williams	SW7551	Greek Villa	Semi-Gloss	General Trim, Columns
P-2		Sherwin Williams	SW7551	Greek Villa	1/2"	General Ceiling
P-3		Sherwin Williams	SW7638	Jogging Path	Eggshell	General Wall
P-4		Sherwin Williams	SW7638	Jogging Path	Semi-Gloss	BOH Wet Areas
P-5		Sherwin Williams	SW6370	Saucy Gold	Eggshell	1st Floor Resident Corridor Accent
P-6		Sherwin Williams	SW6342	Spicy Hue	Eggshell	2nd Floor Resident Corridor Accent
P-7		Sherwin Williams	SW7604	Smoky Blue	Eggshell	3rd Floor Resident Corridor Accent
P-8		Sherwin Williams	SW6286	Mature Grape	Eggshell	4th Floor Resident Corridor Accent
P-9		Sherwin Williams	SW7631	City Loft	Eggshell	2nd Floor Lounge
P-10		Sherwin Williams	SW7605	Gale Force	Eggshell	4th Floor Lounge
P-11		Sherwin Williams	SW7507	Stone Lion	Semi-Gloss	Starwell Handrails
P-12		Sherwin Williams	TBD	TBD	TBD	Column Accent
P-13		Sherwin Williams	SW9183	Dark Clove	Eggshell	Paint behind WD-2
099300 Staining and Transparent Finishings						
ST-1		Custom		Match CAB-1		Lounge Bulk-ins, Columns, Railing Handrail
DIVISION 12: FURNISHINGS						
122113 Horizontal Lower Blinds						
B-1		SWF Contract	Graber Lake Forest	5304 Textured Milky Way	2" faux Wood, 2 1/2" Classic Valance	Windows
123661.19 Quartz Agglomerate Countertops						
QZ-1		Cimbrla		New Quay	3cm, Eased Edge	Restrooms, 3rd & 4th Floor Lounge
QZ-2		Cimbrla		Britannica Gold Warm	3cm, Eased Edge	Mail Room & 2nd Floor Lounge
QZ-3		Cimbrla		TBD	2cm	Fireplace Surround
DIVISION 14: CONVEYING EQUIPMENT						

GENERAL NOTES

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFC**CS** Architecture
Engineering
Planning
Interiors
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcscs.com

DESIGNER : DAS	DRAWN : CLH, CRW
ARCHITECT : DAS	CHECKED : KED
ENGINEER : DES	APPROVED : CRJ
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE

FINISH LEGEND

DATE:	January 5, 2024	DRAWING	10.1
COMM. NO.	23104.00		

HEADER SCHEDULE			
MARK	SIZE	JAMB STUD	KING STUD
(H1)	(2)-1.75X9.25 LVL	2-2x6	3-2x6
(H2)	(2)-1.75X9.25 LVL	2-2x6	2-2x6
(H3)	(2)-1.75X9.25 LVL	2-2x6	1-2x6
(H4)	(3)-1.75X11.25 LVL	2-2x6	1-2x6
(H5)	(2)-2x8	2-2x6	1-2x6
(H6)	(2)-2x10	2-2x6	1-2x6
(H7)	(3)-2x8	2-2x6	1-2x6
(H8)	(3)-2x8	2-2x6	2-2x6
(H9)	(3)-2x10	2-2x6	1-2x6
H10	(3)-2x16	1-2x6	3-2x6
H11	(2)-2x8	2-2x4	1-2x4

9
S0.2
HEADER SCHEDULE
N.T.S.

LINTEL SCHEDULE			
MARK		SIZE	BEARING
L1		8" WIDE x 8" DEEP CMU LINTEL W/ 2 - #5 BOTTOM	8"

8
S0.2
CMU LINTEL SCHEDULE
N.T.S.

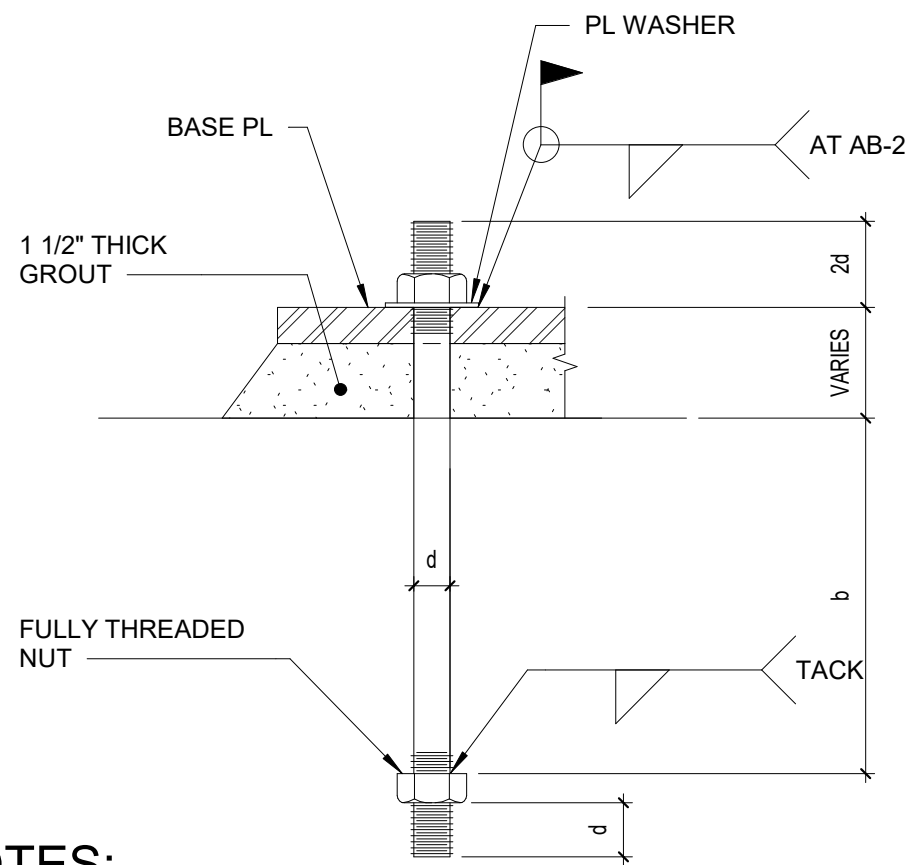
LINTEL NOTES:
1. ALL LINTELS SHALL CONFORM TO ARCHITECTURAL HEAD DETAILS.

POST SCHEDULE	
MARK	SIZE
(P1)	6 X 6 SOUTHERN PINE
(P2)	5.25 X 5.25 PSL
(P3)	3.5 X 3.5 PSL
(P4)	7 X 7 PSL

7
S0.2
WOOD POST SCHEDULE
N.T.S.

LOAD-BEARING WALL STUD SCHEDULE			
LOCATION	STORY	STUD SIZE & SPACING	WOOD SPECIES AND GRADE
EXTERIOR WALLS	ALL FLOORS	2X6 @ 16" OC	SPRUCE PINE FIR, NO. 1/NO. 2
STAIR SHAFT WALLS AT CORRIDOR	1ST FLOOR	2-2X4 @ 16" OC	
OTHER STAIR SHAFT WALLS	ALL FLOORS	2X4 @ 16" OC	
CORRIDOR WALLS	2ND, 3RD & 4TH FLOORS	2X6 @ 16" OC	
	1ST FLOOR	2-2X6 @ 16" OC	
2X4 CORRIDOR WALLS	2ND, 3RD & 4TH FLOORS	2X4 @ 16" OC	
	1ST FLOOR	2-2X4 @ 16" OC	
OTHER INTERIOR WALLS	ALL	2X6 @ 16" OC	

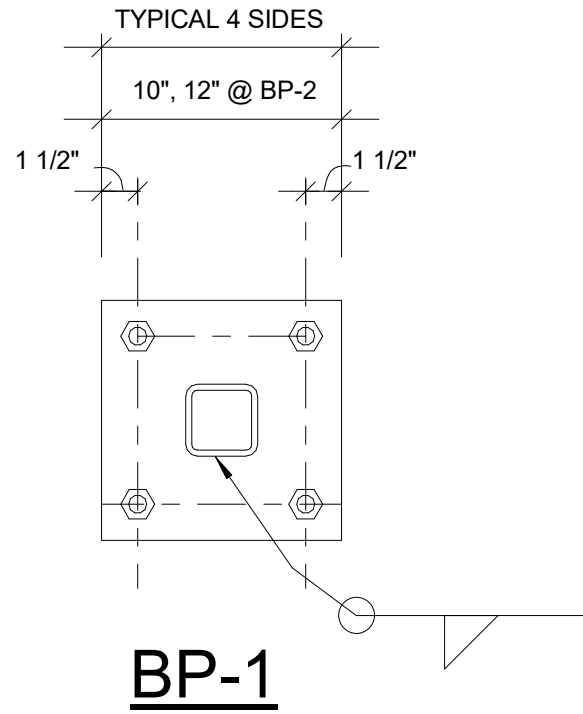
6
S0.2
BEARING WALL STUD SCHEDULE
N.T.S.



NOTES:
1) ANCHOR BOLTS - ASTM F1554
2) NUTS - ASTM A563, GRADE A, HEAVY HEX
3) PLATE - ASTM A36
4) PROVIDE HOLE IN PLATE WASHER = BOLT DIAMETER + 1/16\"/>

MARK	d	b	PLATE WASHER SIZE	HOLE DIA @ BASE PL
AB-1 AB-2	3/4" DIA	8"	STD WASHER	1 5/16" DIA

5
S0.2
STEEL COL ANCHOR BOLTS
3/4\"/>



4
S0.2
STEEL COLUMN BASE PLATES
1 1/2\"/>

COLUMN SCHEDULE					
MARK	DESCRIPTION	BASE PLATE	BASE PL THK	ANCHOR BOLT	REMARKS
C1	HSS 4x4x3/8	BP-1	3/4"	AB-1	--
C2	HSS 6x6x1/2	BP-2	3/4"	AB-2	--

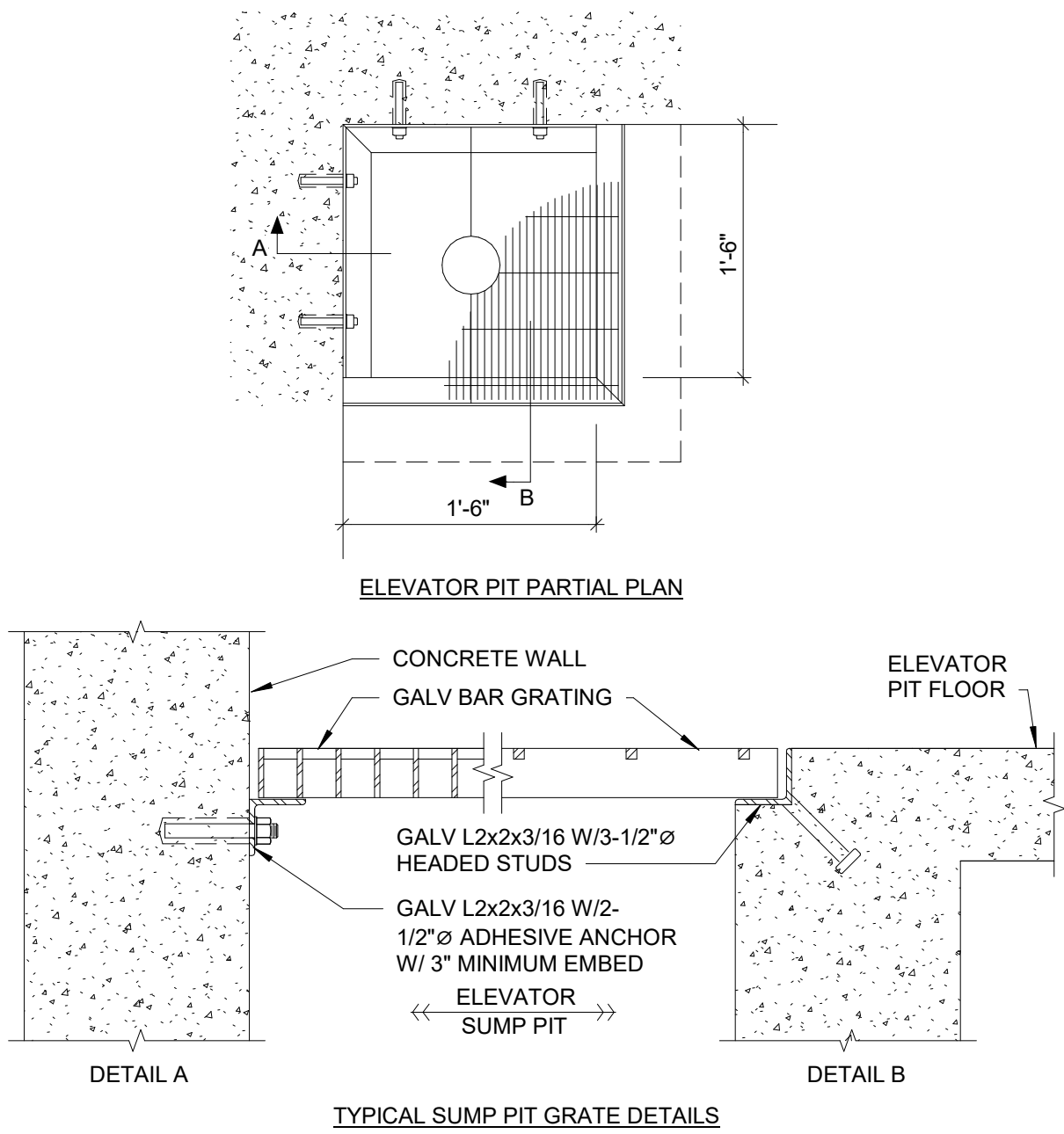
3
S0.2
STEEL COLUMN SCHEDULE
N.T.S.

GRADE BEAM SCHEDULE		
MARK	SIZE (WIDTH X DEPTH)	REINFORCING
GB-1	16" X 28"	SEE SECTION 4/S2.1
GB-2	24" X 28"	SEE SECTION 2/S2.1
GB-26	30" X 28"	SEE SECTION 3/S2.1

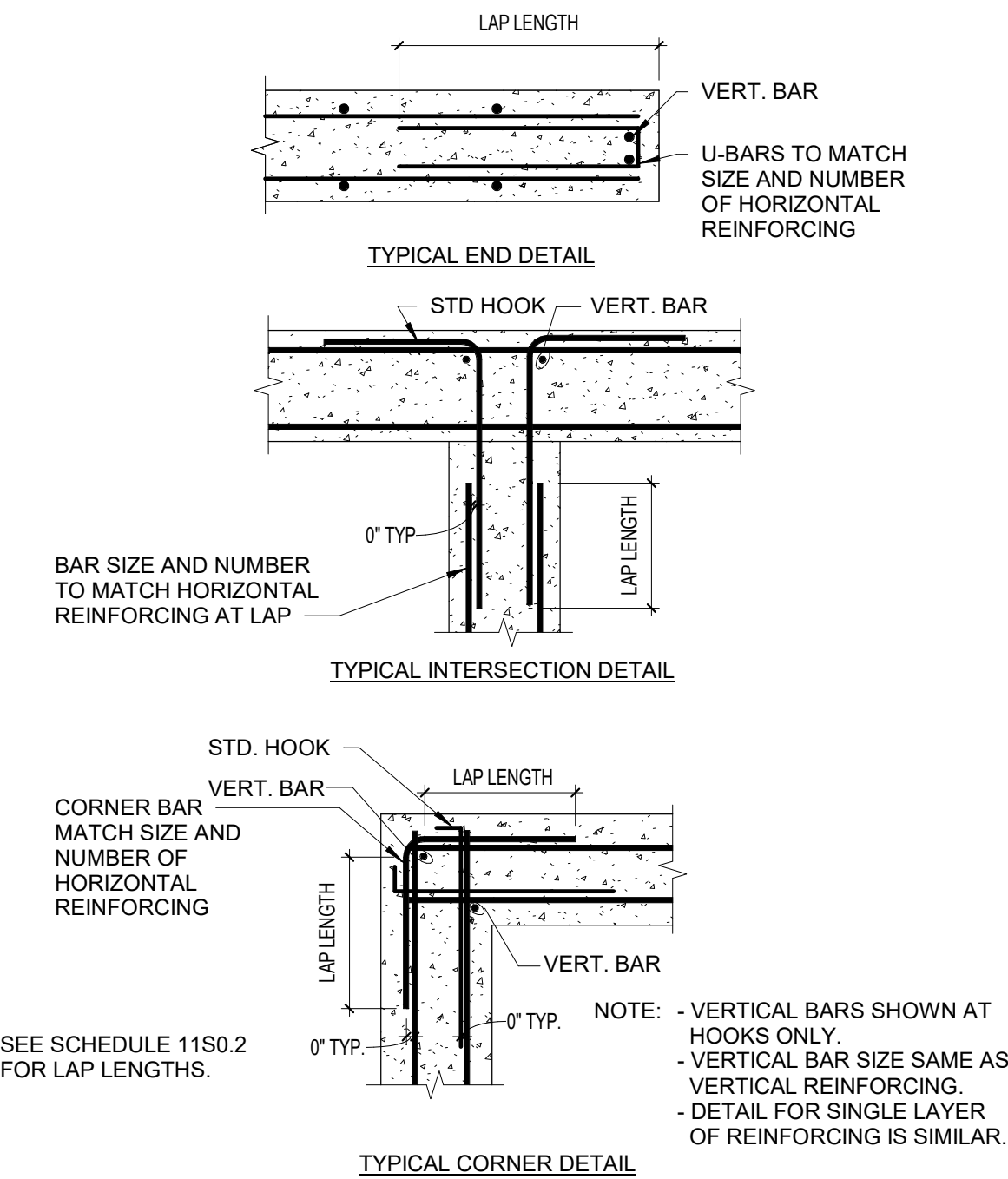
2
S0.2
GRADE BEAM SCHEDULE
N.T.S.

FOOTING SCHEDULE			
MARK	SIZE	THICKNESS	REINFORCING (BOTTOM U.N.O.)
F3.0	3'-0" SQUARE	12"	3 - #5 EA WAY
F4.0	4'-0" SQUARE	12"	4 - #5 EA WAY
F5.0	5'-0" SQUARE	14"	5 - #5 EA WAY
MAT #1	SEE PLAN	12"	#5@12 EA WAY, TOP & BOTTOM

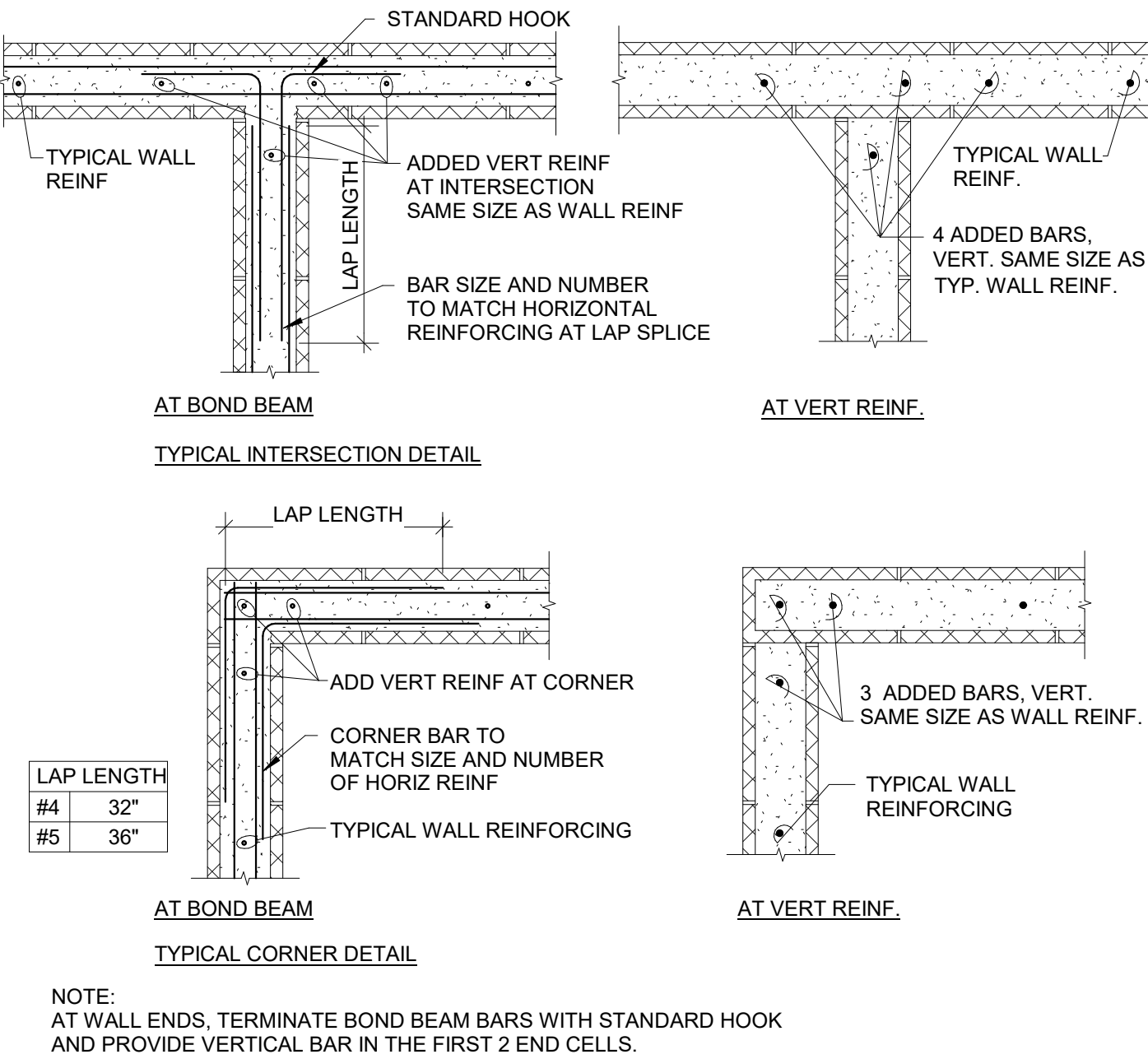
1
S0.2
FOOTING SCHEDULE
3/4\"/>



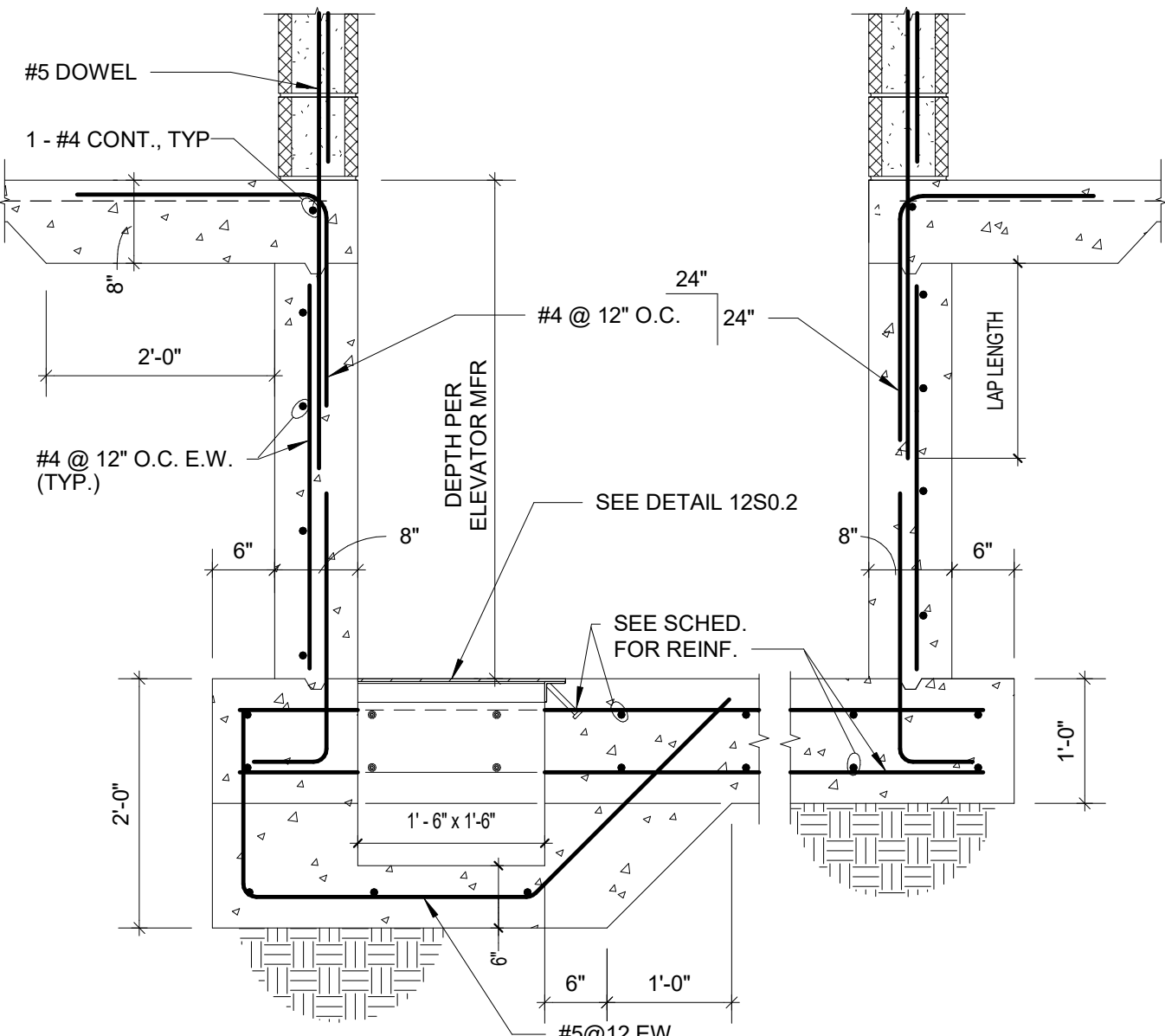
12
S0.2
TYPICAL SUMP PIT AND GRATE DETAIL
1\"/>



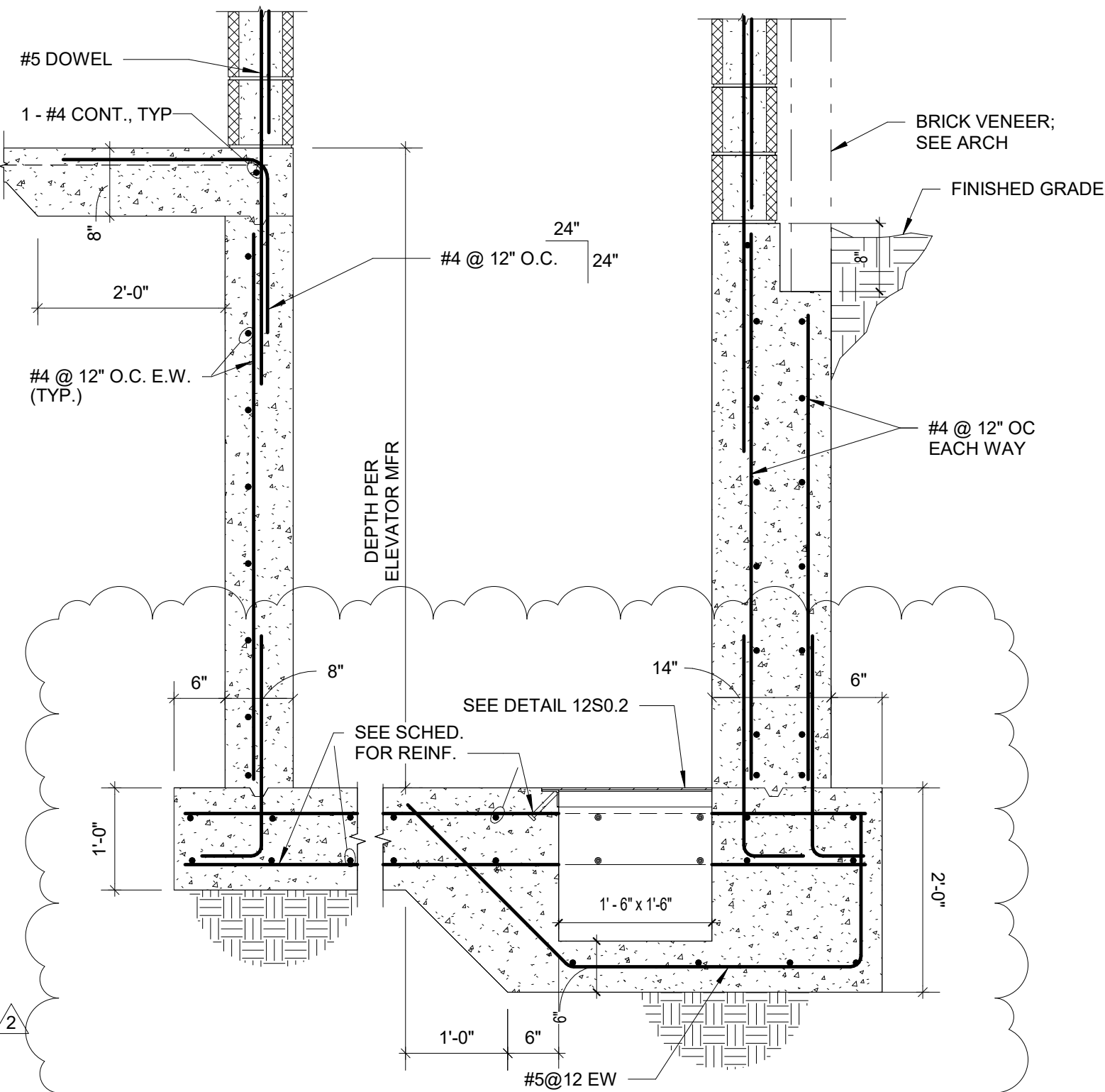
11
S0.2
TYP CONC WALL REINF. @ END, CORNER & INTERSECTION
1\"/>



10
S0.2
CMU BOND BEAM REINF DETAILS
3/4\"/>



14
S0.2
ELEVATOR 2 PIT SECTION
3/4\"/>



13
S0.2
ELEVATOR 1 PIT SECTION
3/4\"/>



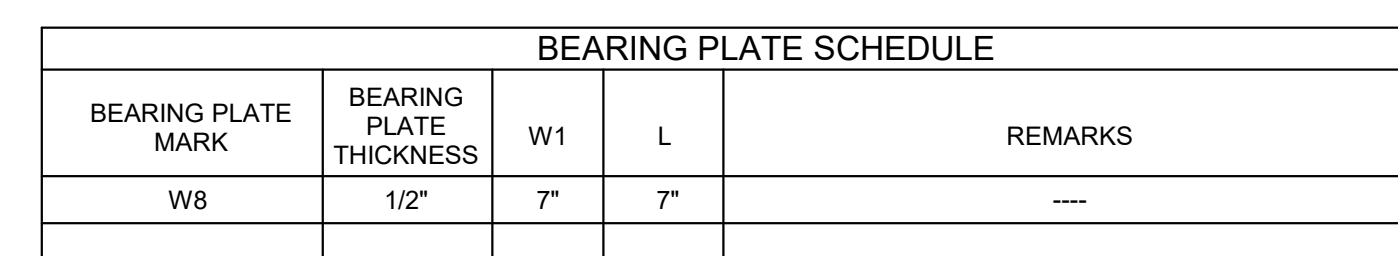
John Knox Village
COURTYARDS - BUILDING E

SFC
Architecture
Engineering
Planning
Interiors
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfc.com

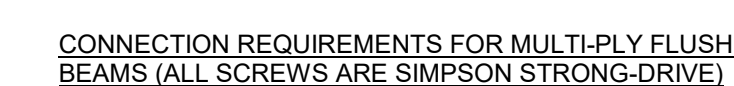
DESIGNER : DAS	DRAWN : BSW
ARCHITECT : DAS	CHECKED : BDT
ENGINEER : LBF	APPROVED : Approver
NO. 2	REVISION DESCRIPTION 2/15/24

DRAWING TITLE
TYPICAL SECTIONS AND DETAILS

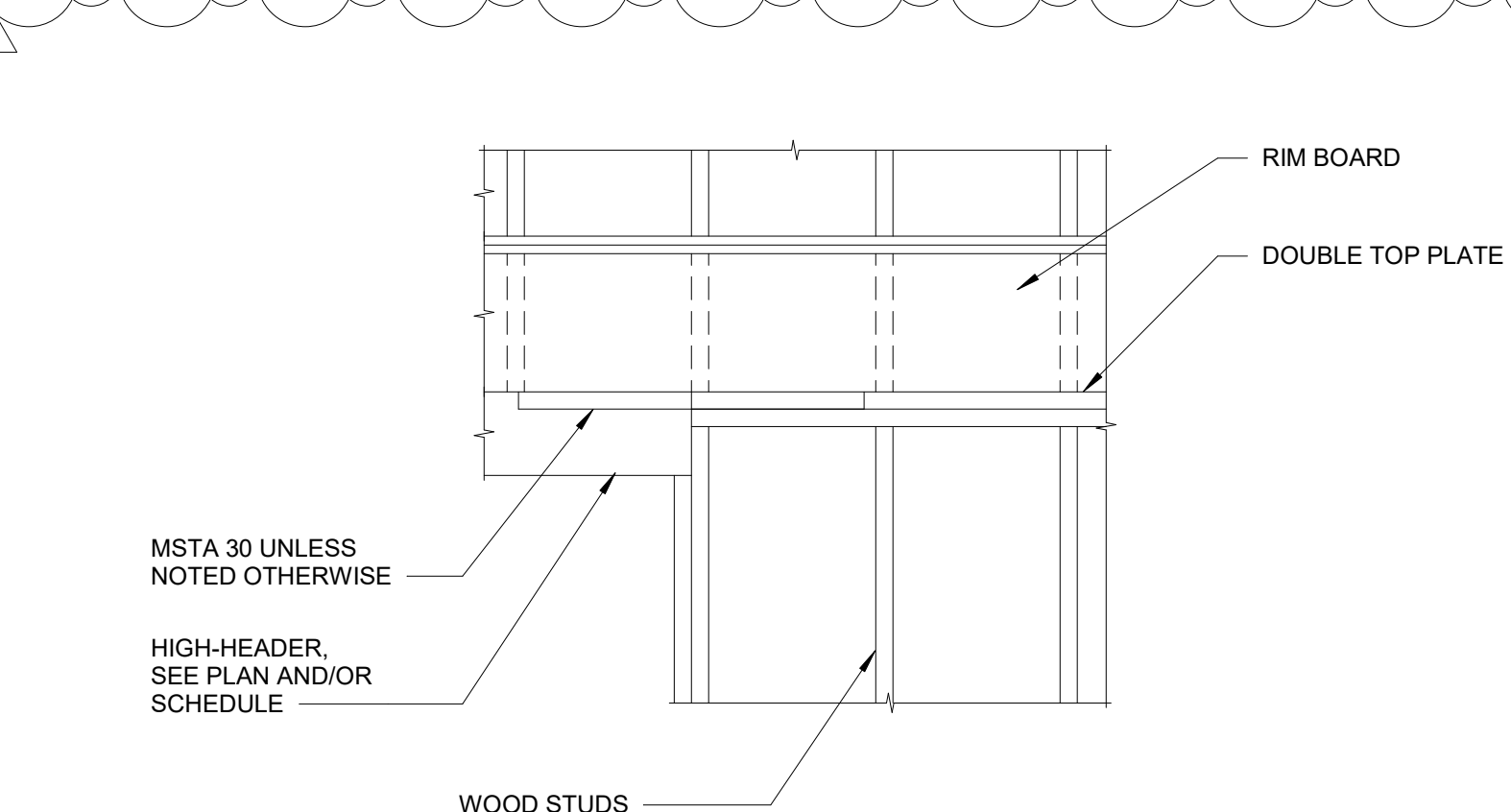
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	S0.2



BEARING PLATE SCHEDULE



 **MULTI PLY FLUSH BEAMS**
S0.3 3/4" = 1'-0"



 8 TYPICAL HEADER INTERRUPTING TOP PLATE
S0.3 3/4" = 1'-0"



COURTYARDS - BUILDING E

S F C S | Architecture
Engineering
Planning
Interiors

SFCS Inc. ■ 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 ■ Fax 704.372.7369
www.sfcs.com

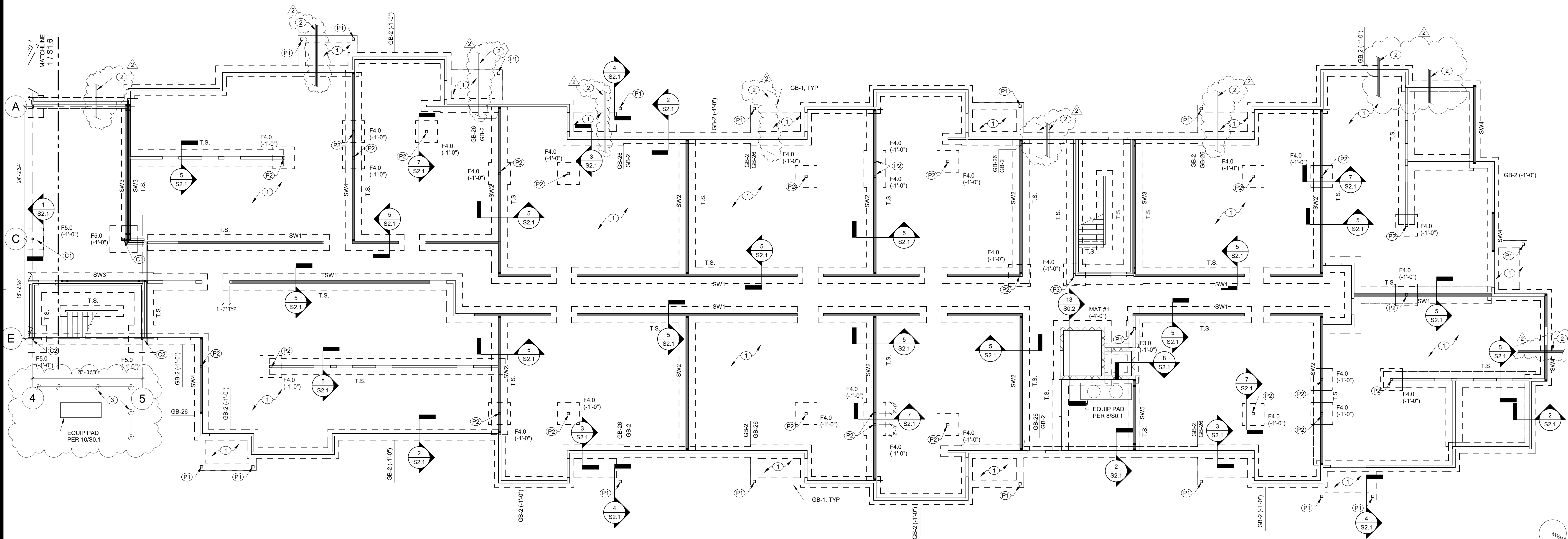
DESIGNER : DAS	DRAWN : BSW	
ARCHITECT : DAS	CHECKED : BDT	
ENGINEER : LBF	APPROVED : Approver	
NO.	REVISION DESCRIPTION	DATE
2	REV 1- PERMIT COMMENTS	2/15/2

DRAWING TITLE

TYPICAL SECTIONS AND DETAILS

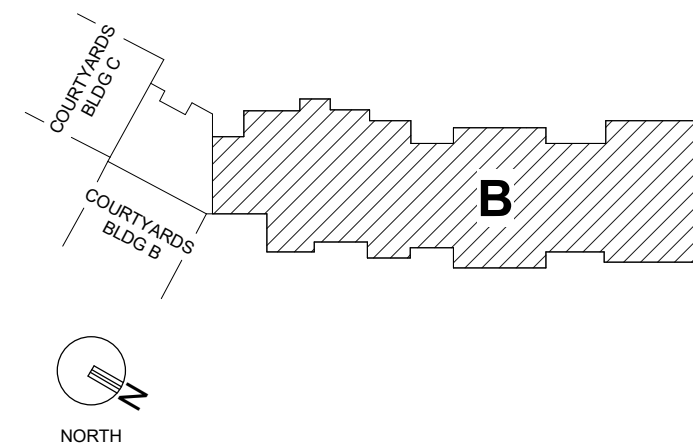
DATE:	January 5, 2024	DRAWING S0.3
COMM. NO.	23104.00	

S0.3



1 FOUNDATION PLAN - IL UNITS
S1.1 1/8" = 1'-0"

KEY PLAN



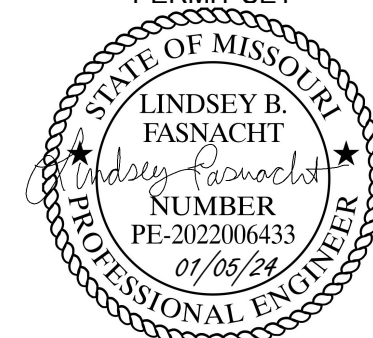
GENERAL NOTES

1. REFERENCE FIRST FLOOR CONCRETE SLAB ELEVATION = (+0'-0"), UNLESS NOTED OTHERWISE.
2. TOP OF GRADE BEAM ELEVATION = (-1'-0") BELOW REFERENCE FIRST FLOOR, UNLESS NOTED OTHERWISE.
3. REINFORCE ALL CMU WALLS WITH #5 VERTICAL BARS AT 32" OC, UNLESS NOTED OTHERWISE.
4. SHADING INDICATES SHEARWALL LOCATION. SEE S4.1 FOR SHEARWALL DETAILS AND HOLDOWN LOCATIONS. ■ INDICATES HDU LOCATION ON PLAN.
5. SEE S0.2 FOR LOAD BEARING WALL STUD, STEEL COLUMN, WOOD POST, FOOTING, AND GRADE BEAM SCHEDULES.
6. "T.S." INDICATES THICKENED SLAB UNDER WALL OR STAIR STRINGER, SEE SECTION 5/S2.1, 6/S2.1 AND 8/S2.1.

PLAN NOTES

- ① 4"-THICK CONCRETE SLAB ON GRADE ON VAPOR RETARDER AND GRANULAR FILL, REINFORCED WITH 6#5-W1.4W1.4 WELDED WIRE FABRIC, VAPOR RETARDER NOT REQUIRED AT EXTERIOR SLABS.
- ② UNDERGROUND UTILITY: SEE S0.1 AND PLUMBING DRAWINGS. THICKEN GRADE BEAM TO MAINTAIN 8" CONCRETE BELOW BOTTOM OF PIPE.
- ③ AT EACH FENCE POST: 12" DIAMETER X 4'-0" POST FOOTING REINFORCED WITH 4-#5 VERTICAL AND #3 STIRRUPS AT 12" OC

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCS

Architecture
Engineering
Planning
Interiors

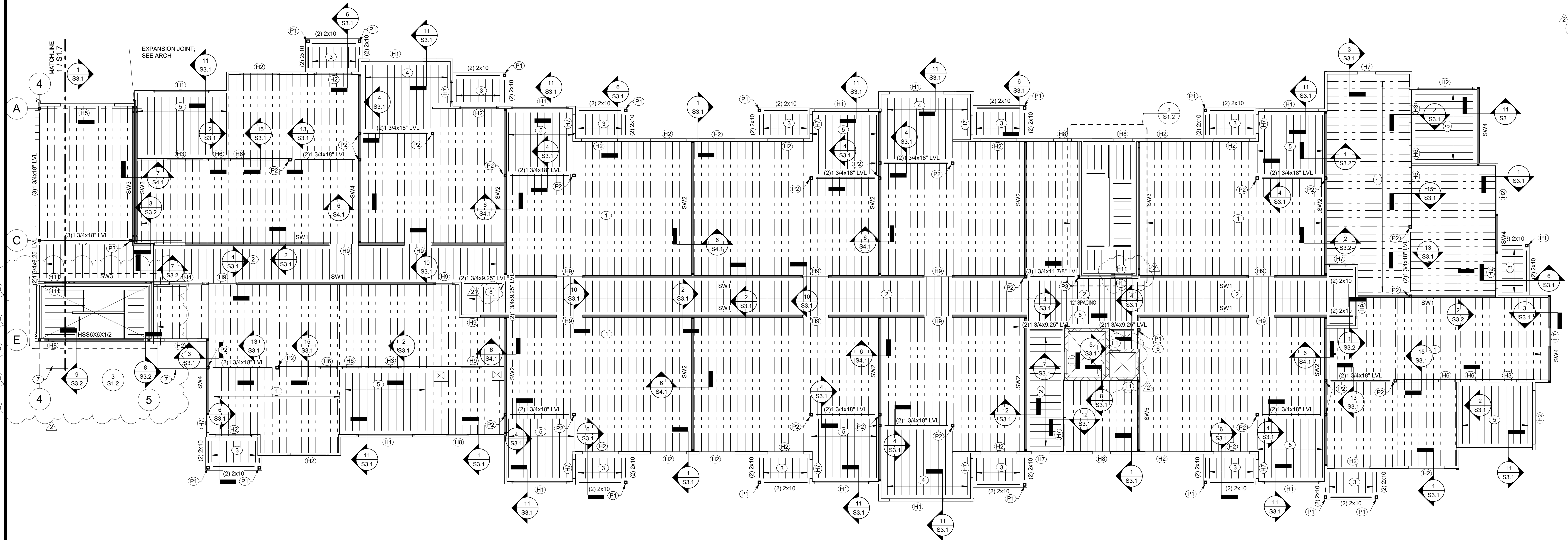
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : BSW
ARCHITECT : DAS	CHECKED : BDT
ENGINEER : LBF	APPROVED : Approver
NO. 2	REVISION DESCRIPTION DATE
REV 1-PERMIT COMMENTS	2/15/24

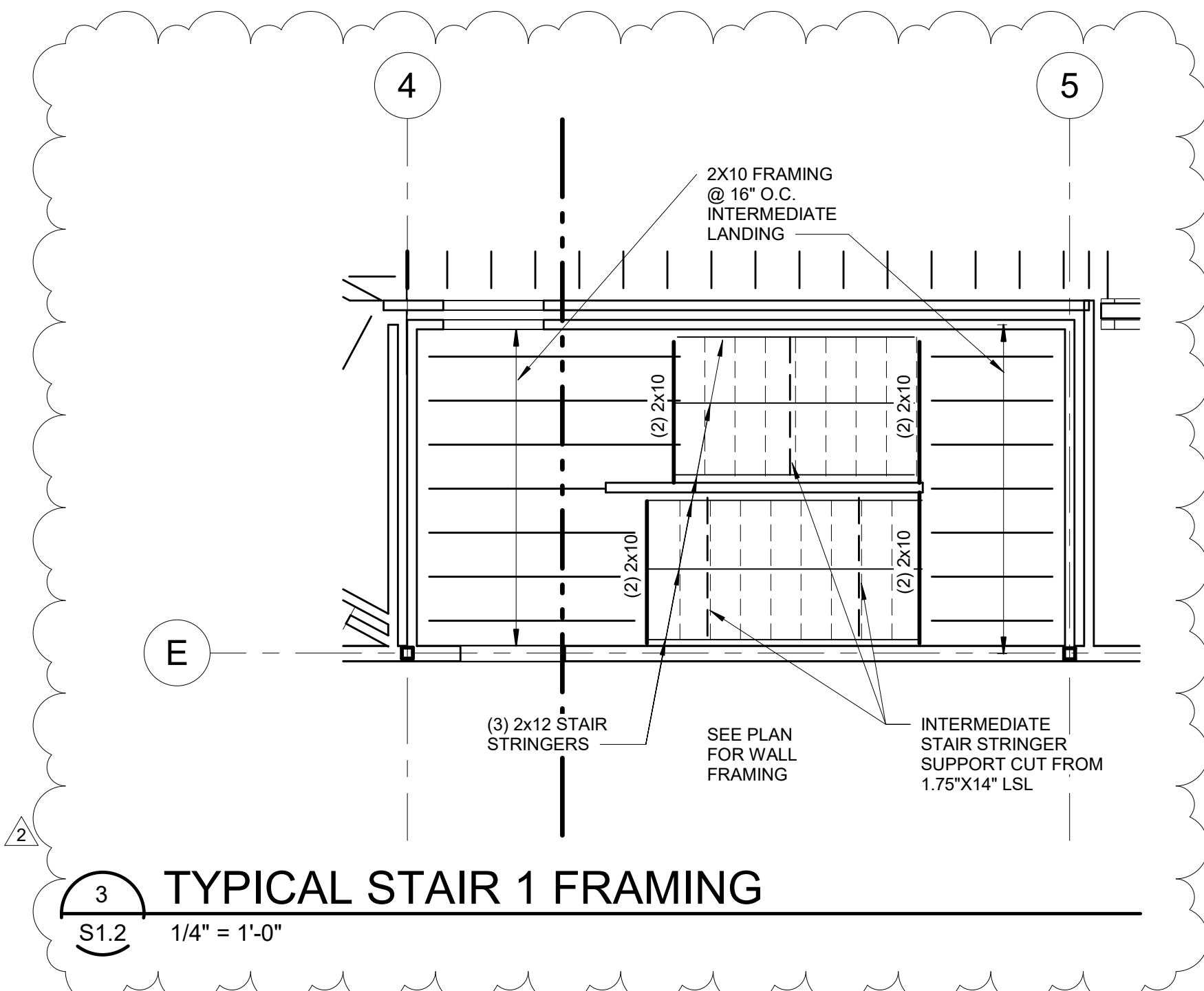
DRAWING TITLE

FOUNDATION PLAN - IL UNITS

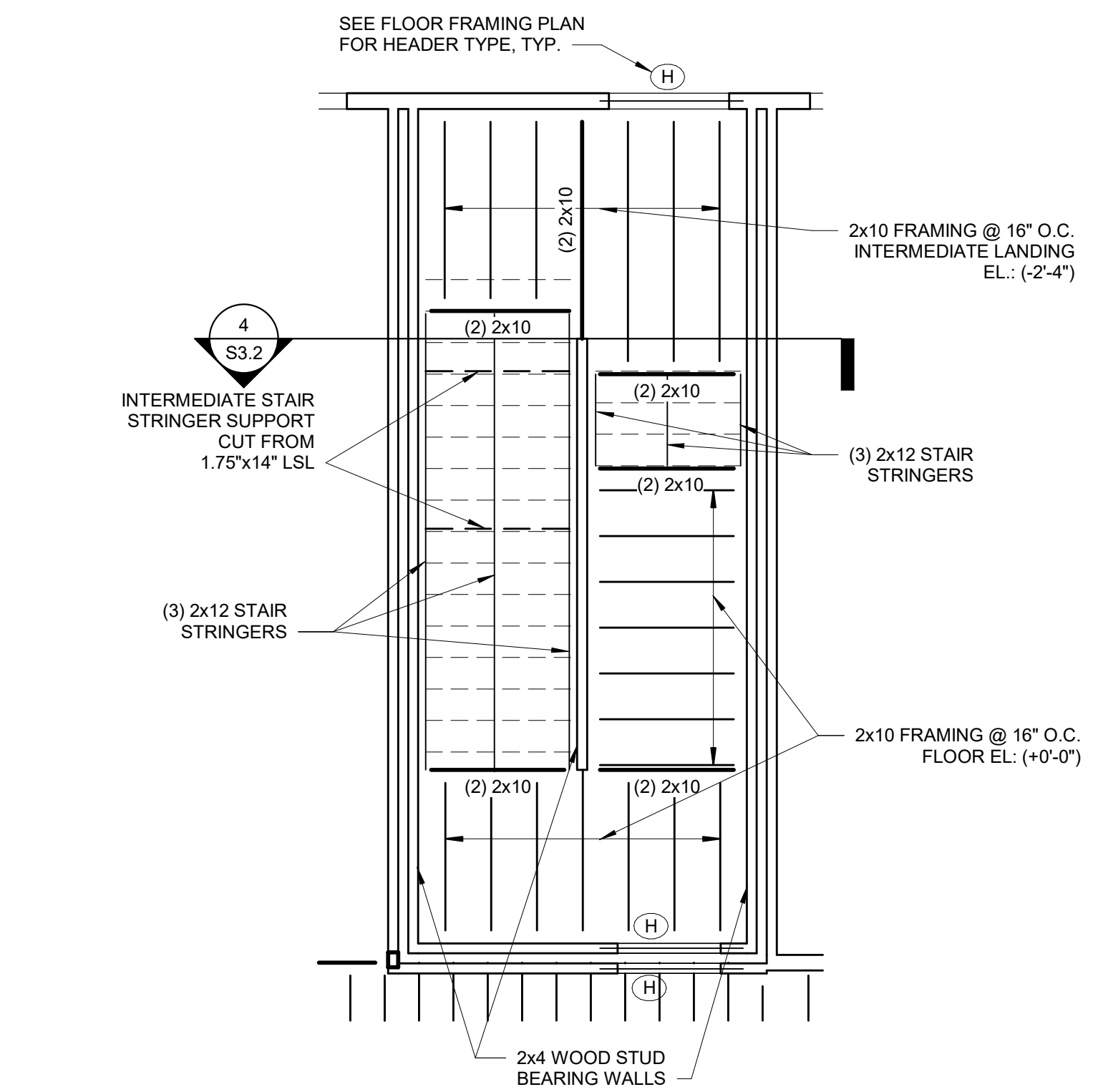
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	S1.1



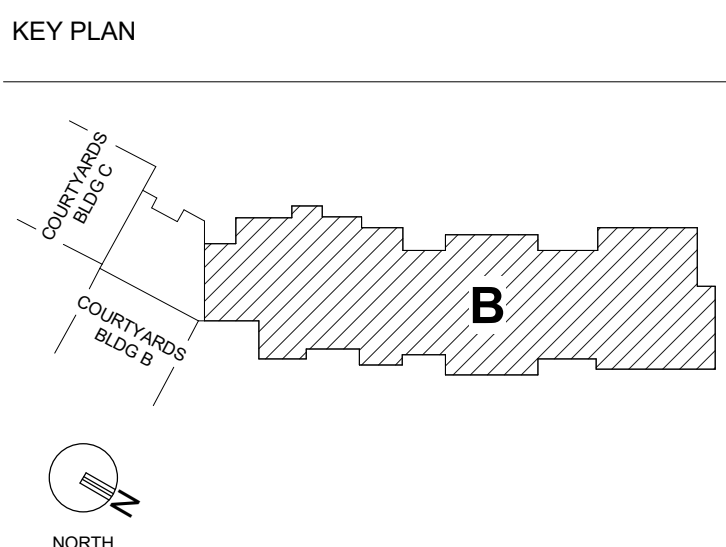
1 SECOND FLOOR FRAMING PLAN - IL UNITS
S1.2 1/8" = 1'-0"



3 TYPICAL STAIR 1 FRAMING
S1.2 1/4" = 1'-0"

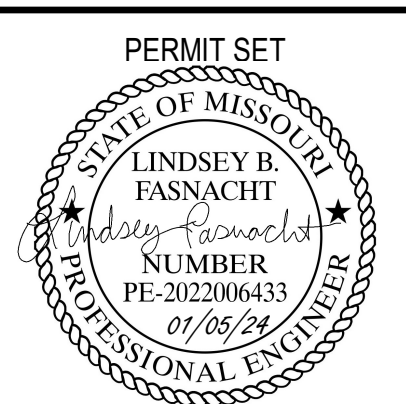


2 TYPICAL STAIR 2 FRAMING
S1.2 1/4" = 1'-0"



- GENERAL NOTES
1. FINISHED SECOND FLOOR ELEVATION = (+1'-4") ABOVE REFERENCE FIRST FLOOR, UNLESS NOTED OTHERWISE. TOP OF SECOND FLOOR PLYWOOD ELEV = (+0'-1") BELOW FINISHED FLOOR ELEVATION.
 2. TOP OF WOOD BEAM ELEV. AT BALCONIES - SEE ARCH. TOP OF WOOD BEAMS AT APARTMENT FLOORS = (+0'-6 1/4") BELOW FINISHED FLOOR ELEVATION, U.N.O.
 3. REINFORCE ALL CMU WALLS W/ #5 VERTICAL @ 32" O/C, U.N.O.
 4. SHADING INDICATES SHEARWALL LOCATION. SEE S4.1 FOR SHEARWALL ELEVATIONS AND LOCATIONS OF SIMPSON HOLDDOWN AT EACH END OF SHEARWALL.
 5. CONTRACTOR SHALL COORDINATE ALL FLOOR FRAMING INTERFERENCES WITH MEP. ADD HEADERS AS REQUIRED TO PROVIDE NECESSARY CLEARANCES.
 6. SEE SECTION 650.3 FOR WOOD BEAM TO STEEL COLUMN CONNECTION.
 7. SEE S0.2 FOR BEARING WALL SCHEDULE AND HEADER SCHEDULE. PROVIDE H7 HEADER AT LOUVERS WITH 2'-8" MAX ROUGH OPENING.
 8. BEAMS SHALL BE SUPPORTED BY 3-2X WALL STUDS, UNLESS NOTED OTHERWISE. SEE 750.2 FOR POST SCHEDULE.
 9. PROVIDE FRT SHEATHING WITHIN 4'-0" OF FIREWALLS. SEE ARCH.

- PLAN NOTES
1. TYPICAL FLOOR CONSTRUCTION: 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 24" DEEP FLOOR TRUSSES @ 16" O/C MAX UNLESS NOTED OTHERWISE.
 2. TYPICAL CORRIDOR CONSTRUCTION: 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 2X10 @ 16" O/C, UNLESS NOTED OTHERWISE.
 3. TYPICAL BALCONY CONSTRUCTION: 5/4" COMPOSITE DECKING ON SLOPED TREATED 2X10 JOISTS @ 16" O/C UNLESS NOTED OTHERWISE.
 4. 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 1.75X9.25 LVL JOISTS @ 16" O/C MAX UNLESS NOTED OTHERWISE.
 5. 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 2X12 JOISTS @ 16" O/C MAX UNLESS NOTED OTHERWISE.
 6. SIMPSON HUC48 HANGER AT BEAM TO CMU WITH (14) TITEN TUBERO MASONRY SCREW ANCHORS.
 7. ALUMINUM CANOPY, SEE ARCH. SEE 950.3 FOR BLOCKING AT ANCHORAGE LOCATIONS.
 8. SIMPSON HHUS48 HANGER



PROJECT TITLE

John Knox Village
COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

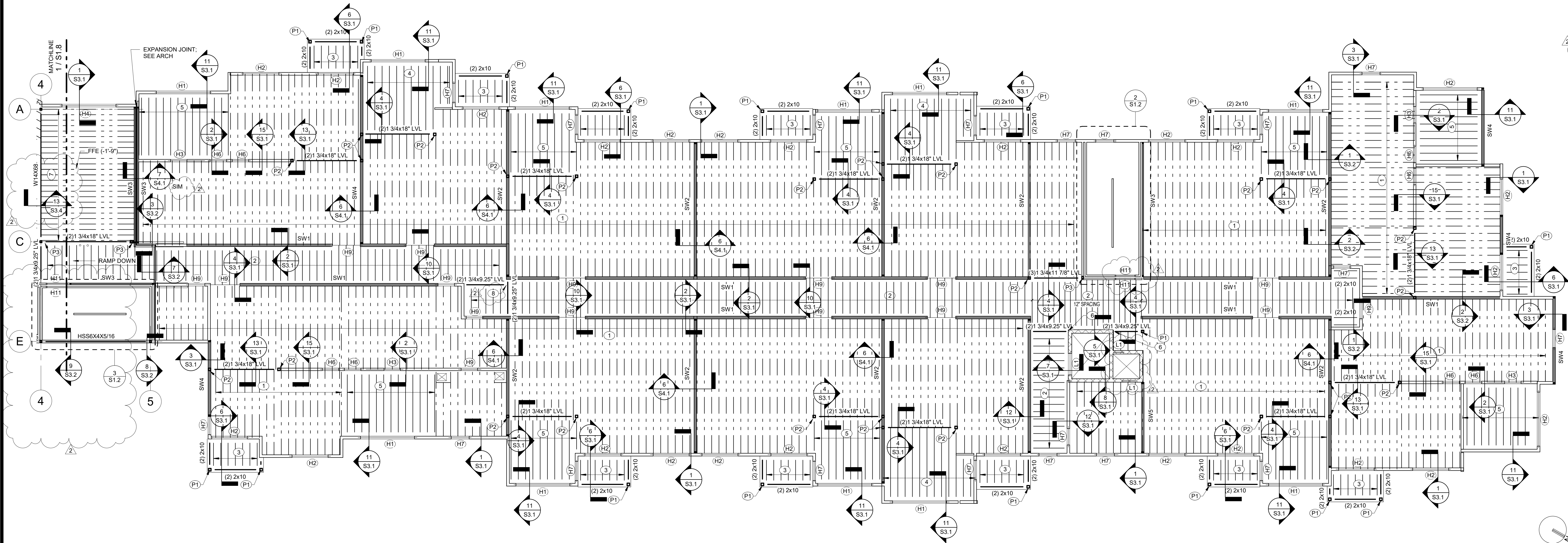
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcscs.com

DESIGNER : DAS	DRAWN : BSW
ARCHITECT : DAS	CHECKED : BDT
ENGINEER : LBF	APPROVED : Approver
NO.	REVISION DESCRIPTION DATE
2	REV 1- PERMIT COMMENTS 2/15/24

DRAWING TITLE

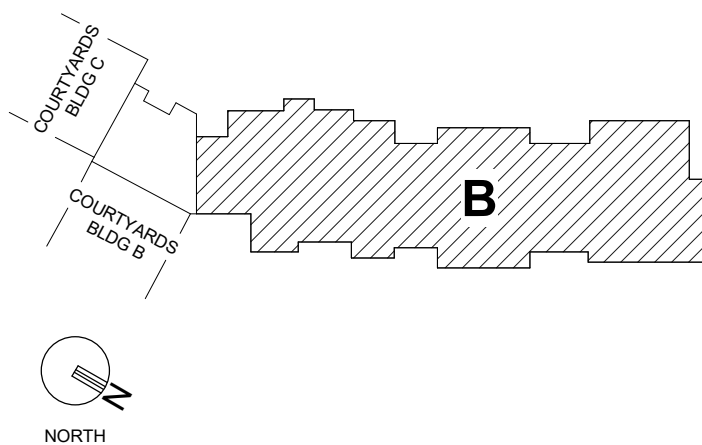
SECOND FLOOR FRAMING
PLAN - IL UNITS

DATE: January 5, 2024
COMM. NO. 23104.00
DRAWING S1.2



1 THIRD FLOOR FRAMING PLAN - IL UNITS
S1.3 1/8" = 1'-0"

KEY PLAN



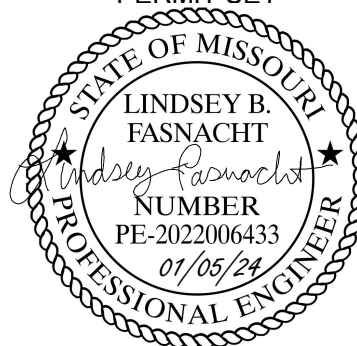
GENERAL NOTES

1. FINISHED THIRD FLOOR ELEVATION= (+22'-8") ABOVE REFERENCE FIRST FLOOR, UNLESS NOTED OTHERWISE. TOP OF THIRD FLOOR PLYWOOD ELEV= (-0'-1") BELOW FINISHED FLOOR ELEVATION.
2. TOP OF WOOD BEAM ELEV. AT BALCONIES= SEE ARCH. TOP OF WOOD BEAMS AT APARTMENT FLOORS = (-0'-6 1/4") BELOW FINISHED FLOOR ELEVATION, U.N.O.
3. REINFORCE ALL CMU WALLS W/ #5 VERTICAL @ 32" O/C, U.N.O.
4. SHADING INDICATES SHEARWALL LOCATION. SEE S4.1 FOR SHEARWALL ELEVATIONS AND LOCATIONS OF SIMPSON HOLDDOWN AT EACH END OF SHEARWALL.
5. CONTRACTOR SHALL COORDINATE ALL FLOOR FRAMING INTERFERENCES WITH MEP. ADD HEADERS AS REQUIRED TO PROVIDE NECESSARY CLEARANCES.
6. SEE SECTION 650.3 FOR WOOD BEAM TO STEEL COLUMN CONNECTION.
7. SEE S0.2 FOR BEARING WALL SCHEDULE AND HEADER SCHEDULE. PROVIDE H7 HEADER AT LOUVERS WITH 2'-8" MAX ROUGH OPENING.
8. BEAMS SHALL BE SUPPORTED BY 3-2X WALL STUDS, UNLESS NOTED OTHERWISE. SEE 750.2 FOR POST SCHEDULE. POSTS SHOWN ARE BELOW 3RD FLOOR.
9. PROVIDE FRT SHEATHING WITHIN 4'-0" OF FIREWALLS. SEE ARCH.

PLAN NOTES

1. TYPICAL FLOOR CONSTRUCTION: 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 24" DEEP FLOOR TRUSSES @ 16" O/C MAX UNLESS NOTED OTHERWISE.
2. TYPICAL CORRIDOR CONSTRUCTION: 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 2X10 @ 16" O/C, UNLESS NOTED OTHERWISE.
3. TYPICAL BALCONY CONSTRUCTION: 5/4" COMPOSITE DECKING ON SLOPED TREATED 2X10 JOISTS @ 16" O/C UNLESS NOTED OTHERWISE.
4. 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 1.75X9.25 LVL JOISTS @ 16" O/C MAX UNLESS NOTED OTHERWISE.
5. 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 2x12 JOISTS @ 16" O/C MAX UNLESS NOTED OTHERWISE.
6. SIMPSON HUC48 HANGER AT BEAM TO CMU WITH (14) TNY25214H TITEN TURBO MASONRY SCREW ANCHORS.
7. 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 16" DEEP FLOOR TRUSSES @ 12" O/C MAX UNLESS NOTED OTHERWISE.
8. SIMPSON HHUS48 HANGER

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFC**S** Architecture
Engineering
Planning
Interiors

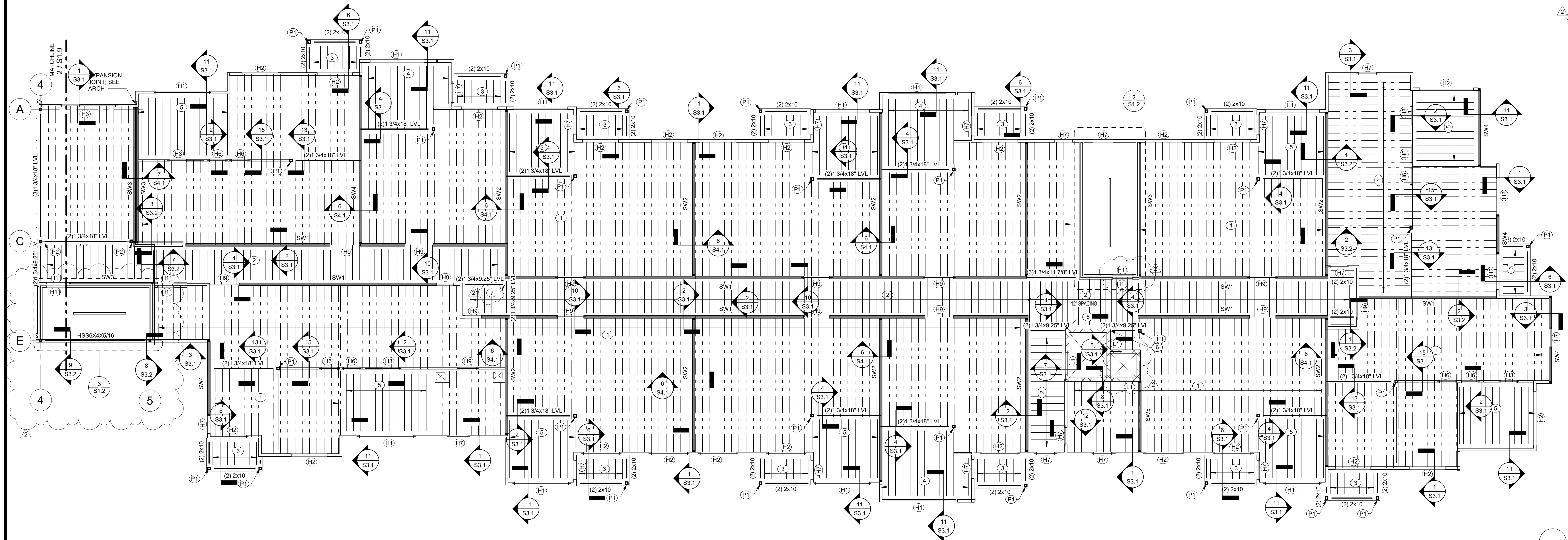
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfc.com

DESIGNER : DAS	DRAWN : BSW
ARCHITECT : DAS	CHECKED : BDT
ENGINEER : LBF	APPROVED : Approver
NO. 2	REVISION DESCRIPTION DATE
REV 1- PERMIT COMMENTS	2/15/24

DRAWING TITLE

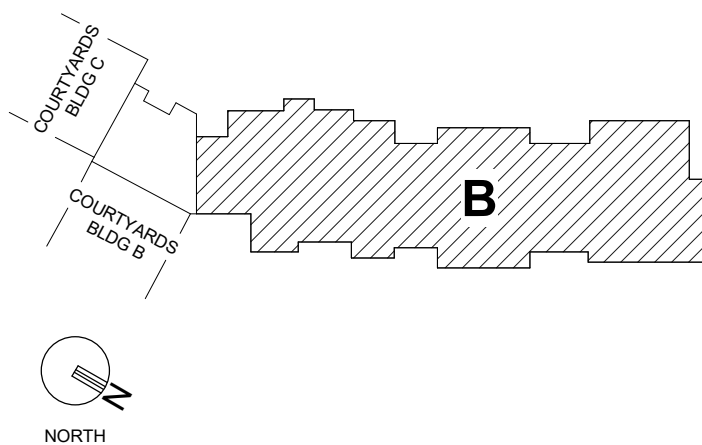
THIRD FLOOR FRAMING
PLAN - IL UNITS

DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	S1.3



1
S1.4
FOURTH FLOOR FRAMING PLAN - IL UNITS
1/8" = 1'-0"

KEY PLAN



GENERAL NOTES

1. FINISHED FOURTH FLOOR ELEVATION= (+34'-0") ABOVE
REFERENCE FIRST FLOOR, UNLESS NOTED
OTHERWISE. TOP OF FOURTH FLOOR PLYWOOD ELEV= (+0'-1") BELOW FINISHED FLOOR ELEVATION.
2. TOP OF WOOD BEAM ELEV. AT BALCONIES= SEE ARCH.
TOP OF WOOD BEAMS AT APARTMENT FLOORS = (+0'-8 1/4") BELOW FINISHED FLOOR ELEVATION, U.N.O.
3. REINFORCE ALL CMU WALLS W/ #5 VERTICAL @ 32" O/C, U.N.O.
4. SHADING INDICATES SHEARWALL LOCATION. SEE S4.1 FOR SHEARWALL ELEVATIONS AND LOCATIONS OF SIMPSON HOLDDOWN AT EACH END OF SHEARWALL.
5. CONTRACTOR SHALL COORDINATE ALL FLOOR FRAMING INTERFERENCES WITH MEP. ADD HEADERS AS REQUIRED TO PROVIDE NECESSARY CLEARANCES.
6. SEE SECTION 6S0.3 FOR WOOD BEAM TO STEEL COLUMN CONNECTION.
7. SEE S0.2 FOR BEARING WALL SCHEDULE AND HEADER SCHEDULE. PROVIDE H7 HEADER AT LOUVERS WITH 2'-8" MAX ROUGH OPENING.
8. BEAMS SHALL BE SUPPORTED BY 3-2X WALL STUDS, UNLESS NOTED OTHERWISE. SEE 7S0.2 FOR POST SCHEDULE.
9. PROVIDE FRT SHEATHING WITHIN 4'-0" OF FIREWALLS. SEE ARCH.

PLAN NOTES

1. TYPICAL FLOOR CONSTRUCTION: 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 24" DEEP FLOOR TRUSSES @ 16" O/C MAX UNLESS NOTED OTHERWISE.
2. TYPICAL CORRIDOR CONSTRUCTION: 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 2X10 @ 16" O/C, UNLESS NOTED OTHERWISE.
3. TYPICAL BALCONY CONSTRUCTION: 5/4" COMPOSITE DECKING ON SLOPED TREATED 2X10 JOISTS @ 16" O/C UNLESS NOTED OTHERWISE.
4. 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 1.75X9.25 LVL JOISTS @ 16" O/C MAX UNLESS NOTED OTHERWISE.
5. 3/4" SELF-LEVELING GYPCRETE TOPPING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 2X12 JOISTS @ 16" O/C MAX UNLESS NOTED OTHERWISE.
6. SIMPSON HUC48 HANGER AT BEAM TO CMU WITH (14) TNT25214H TITEN TURBO MASONRY SCREW ANCHORS.
7. SIMPSON HHUS48 HANGER

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

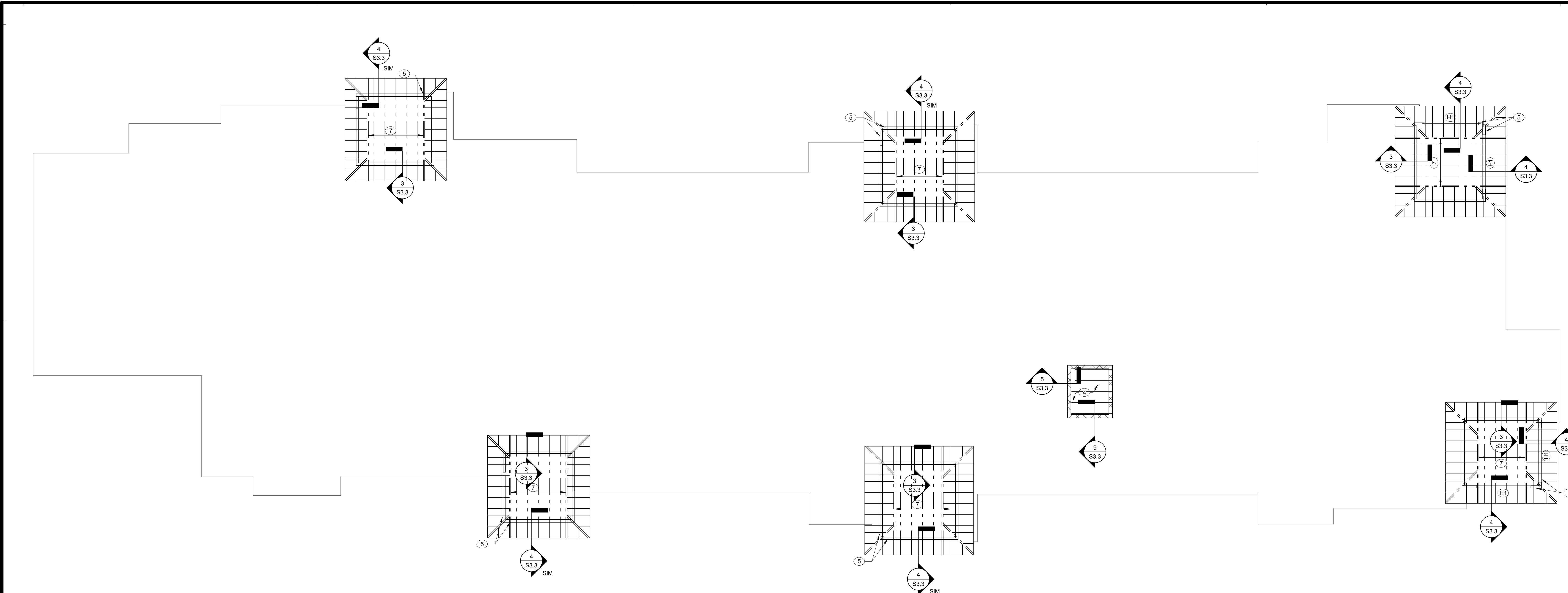
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcscs.com

DESIGNER : DAS	DRAWN : BSW
ARCHITECT : DAS	CHECKED : BDT
ENGINEER : LBF	APPROVED : Approver
NO. 2	REVISION DESCRIPTION DATE
REV 1- PERMIT COMMENTS	2/15/24

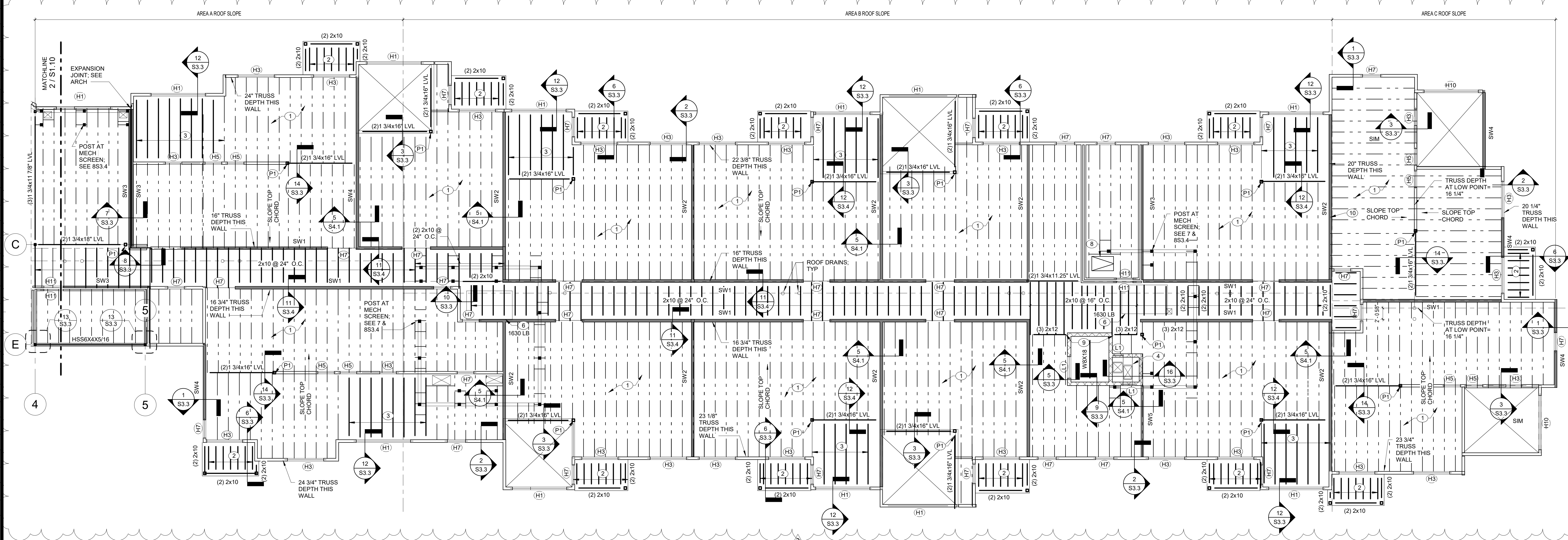
DRAWING TITLE

FOURTH FLOOR FRAMING
PLAN - IL UNITS

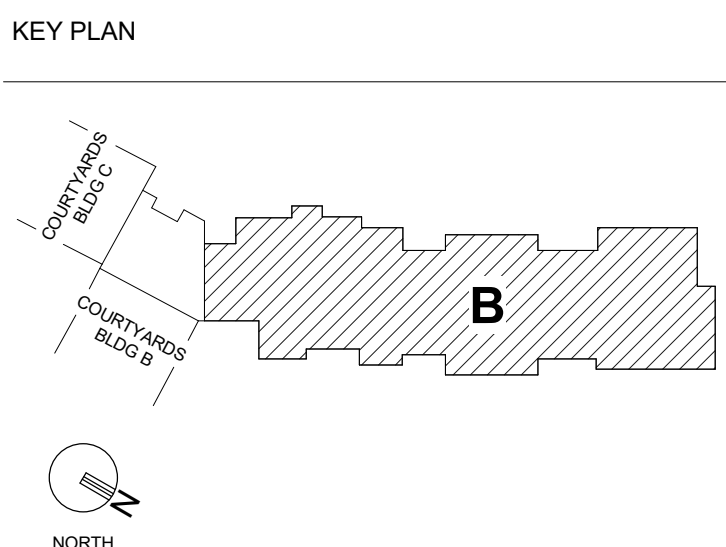
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	S1.4



2 HIGH ROOF FRAMING PLAN
S1.5 1/8" = 1'-0"



1 ROOF FRAMING PLAN
S1.5 1/8" = 1'-0"



- GENERAL NOTES
1. ROOF TRUSS BEARING ELEVATION= (+43'-0 1/4") ABOVE REFERENCE FIRST FLOOR, UNLESS NOTED OTHERWISE. HIGH ROOF TRUSS BEARING ELEVATION= (+48'-5 7/8"), U.N.O.
 2. TOP OF WOOD BEAM ELEV. AT BALCONIES= (+44'-6 1/4"), U.N.O. AT INTERIOR BEAMS, BOTTOM OF BEAM= ROOF TRUSS BEARING ELEVATION. TOP OF STL AT HOIST BEAM= (+48'-3 3/4") / 2.
 3. REINFORCE ALL CMU WALLS W/ #5 VERTICAL @ 32" O.C. U.N.O.
 4. SHADING INDICATES SHEARWALL LOCATION. SEE S4.1 FOR SHEARWALL ELEVATIONS AND LOCATIONS OF SIMPSON HOLDDOWN AT EACH END OF SHEARWALL.
 5. CONTRACTOR SHALL COORDINATE ALL ROOF TRUSS FRAMING INTERFERENCES WITH MEP. ADD GIRDER TRUSSES AND HEADERS AS REQUIRED TO PROVIDE NECESSARY CLEARANCES.
 6. SEE SECTION 650.3 FOR WOOD BEAM TO STEEL COLUMN CONNECTION.
 7. SEE S0.2 FOR BEARING WALL SCHEDULE AND HEADER SCHEDULE. PROVIDE H7 HEADER AT LOUVERS WITH 2'-8" MAX ROUGH OPENING.
 8. BEAMS SHALL BE SUPPORTED BY 3-2X WALL STUDS, UNLESS NOTED OTHERWISE. SEE 750.2 FOR POST-SCHEDULE.
 9. PROVIDE FRIT SHEATHING WITHIN 4'-0" OF FIREWALLS. SEE ARCH.

- PLAN NOTES
1. TYPICAL ROOF FRAMING: 5/8" THICK PLYWOOD ROOF SHEATHING ON PRE-ENGINEERED WOOD ROOF TRUSSES WITH TOP CHORD AT 1/4" FOOT SLOPE SPACED @ 24" OC MAX SPACING, UNLESS NOTED OTHERWISE. SEE PLAN FOR TRUSS DEPTHS AT CORRIDOR AND EXTERIOR WALLS.
 2. 5/8" THICK PLYWOOD ROOF SHEATHING ON 2X10 JOISTS @ 16" OC MAX SPACING SLOPED AT 1/4" FOOT. TREATED SHEATHING AND 2X AT BALCONIES.
 3. 5/8" THICK PLYWOOD ROOF SHEATHING ON 2X12 JOISTS @ 24" OC MAX SPACING.
 4. 5/8" THICK PLYWOOD ROOF SHEATHING ON 2X10 JOISTS @ 24" OC MAX SPACING OVER HORIZONTAL SHAFTLINER CAP. SEE ARCH. DWGS.
 5. WALL STUDS ARE CONTINUOUS FROM 4TH FLOOR TO HIGH TRUSS BEARING. PROVIDE SIMPSON H10A HURRICANE TIES MINIMUM THIS WALL.
 6. DESIGN TRUSSES FOR RTU WEIGHT INDICATED ON PLAN. FINAL LOCATION OF POINT LOADS SHALL BE COORDINATED WITH ACTUAL SELECTED RTU CURB DIMENSIONS. SEE 10/S3.3 AT CURB.
 7. TYPICAL HIGH ROOF FRAMING: 5/8" THICK PLYWOOD ROOF SHEATHING ON PRE-ENGINEERED WOOD ROOF TRUSSES SPACED @ 24" OC MAX SPACING, UNLESS NOTED OTHERWISE. TRUSS DEPTH= 16" DEEP.
 8. FRAME AROUND ROOF HATCH WITH GIRDER TRUSSES. SEE ARCH FOR LOCATION.
 9. SIMPSON HUC210-3 HANGER AT BEAM TO CMU WITH (14) TIT25214H TITEN TURBO MASONRY SCREW ANCHORS.
 10. PROVIDE SHEAR PANELS TIGHT TO ALL 4 SIDES BETWEEN EACH TRUSS.



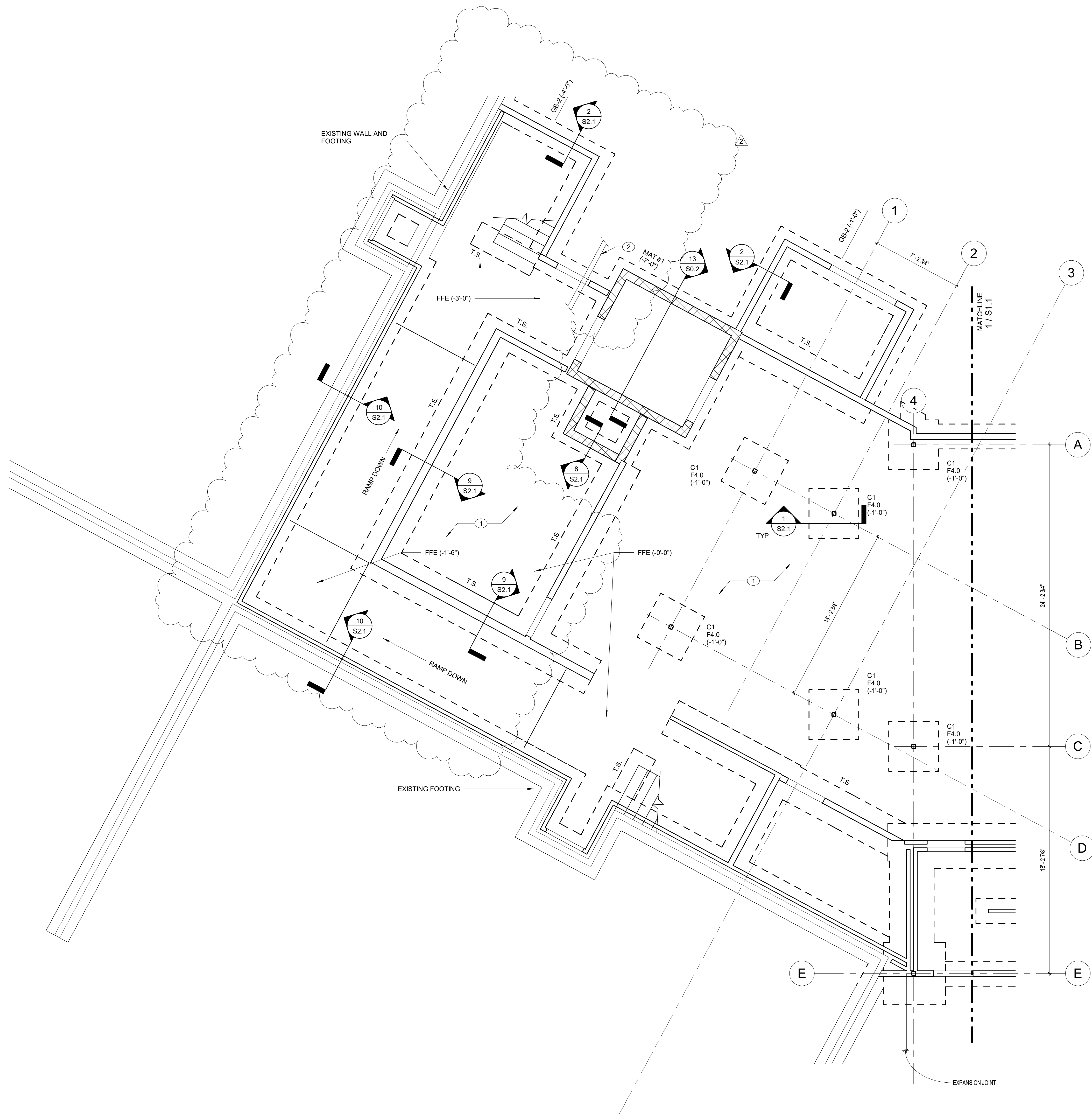
PROJECT TITLE
John Knox Village
COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcsc.com

DESIGNER : DAS	DRAWN : BSW
ARCHITECT : DAS	CHECKED : BDT
ENGINEER : LBF	APPROVED : Approver
NO.	REVISION DESCRIPTION DATE
2	REV 1- PERMIT COMMENTS 2/15/24

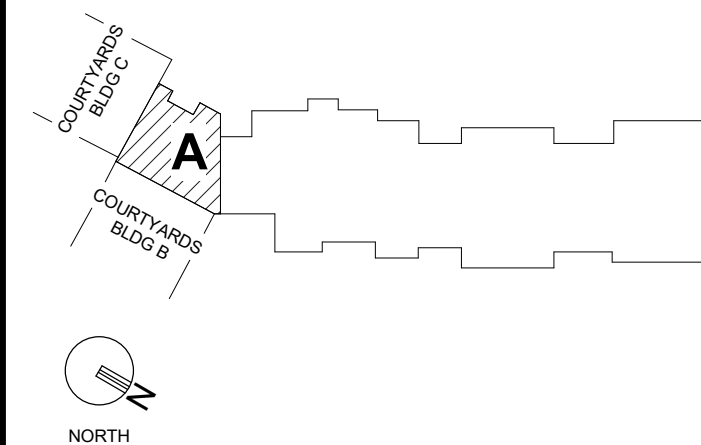
DRAWING TITLE
ROOF FRAMING PLAN - IL
UNITS

DATE: January 5, 2024
COMM. NO. 23104.00
DRAWING
S1.5



1 ATRIUM - FIRST FLOOR PLAN
S1.6 1/4" = 1'-0"

KEY PLAN



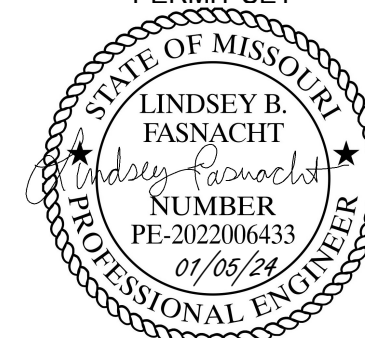
GENERAL NOTES

1. TOP OF FIRST FLOOR CONCRETE SLAB ELEVATION = (+0'-0"), UNLESS NOTED OTHERWISE.
2. TOP OF FOOTING ELEVATION = (-1'-0") BELOW REFERENCE FIRST FLOOR, UNLESS NOTED OTHERWISE.
3. FINISHED SECOND FLOOR ELEVATION = (+1'-4") ABOVE REFERENCE FIRST FLOOR, UNLESS NOTED OTHERWISE. TOP OF SECOND FLOOR PLYWOOD ELEV = (-0'-1") BELOW FINISHED FLOOR ELEVATION.
4. TRUSS BEARING ELEV. AT VESTIBULE VARIES WITH LANDING ELEVATIONS. AS REFERENCE FROM BUILDING E SECOND FLOOR ELEVATION. SEE PLAN.
5. REINFORCE ALL CMU WALLS W/ #5 VERTICAL @ 32" O/C, U.N.O.
6. SHADING INDICATES SHEARWALL LOCATION. SEE S4.1 FOR SHEARWALL ELEVATIONS AND LOCATIONS OF SIMPSON HOLDDOWN AT EACH END OF SHEARWALL.
7. CONTRACTOR SHALL COORDINATE ALL FLOOR FRAMING INTERFERENCES WITH MEP. ADD HEADERS AS REQUIRED TO PROVIDE NECESSARY CLEARANCES.
8. SEE SECTION 680.3 FOR WOOD BEAM TO STEEL COLUMN CONNECTION.
9. SEE 680.2 FOR BEARING WALL SCHEDULE.
10. BEAMS SHALL BE SUPPORTED BY 3-2X WALL STUDS, UNLESS NOTED OTHERWISE. SEE 750.2 FOR POST SCHEDULE.
11. "T.S." INDICATES THICKENED SLAB UNDER WALL OR STAIR STRINGER.

PLAN NOTES

1. 4"-THICK CONCRETE SLAB ON GRADE ON VAPOR RETARDER AND GRANULAR FILL, REINFORCED WITH 6#XW1.4W1.4 WELDED WIRE FABRIC.
2. UNDERGROUND UTILITY: SEE S0.1 AND PLUMBING DRAWINGS. THICKEN GRADE BEAM TO MAINTAIN 8" CONCRETE BELOW BOTTOM OF PIPE.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCS

Architecture
Engineering
Planning
Interiors

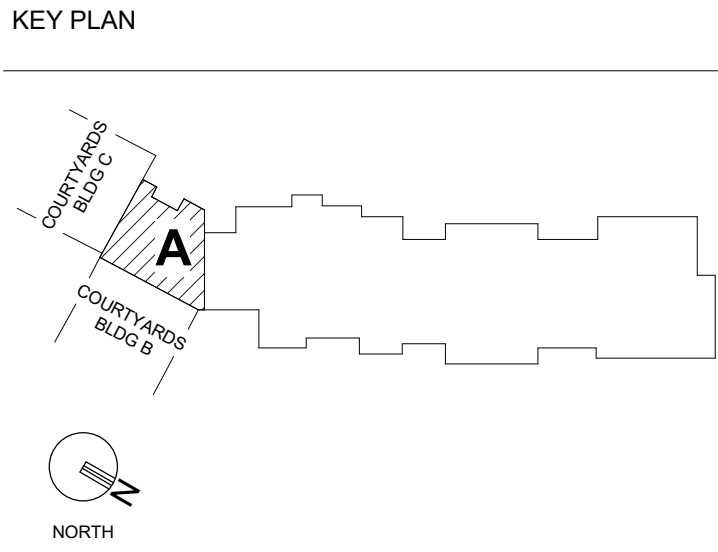
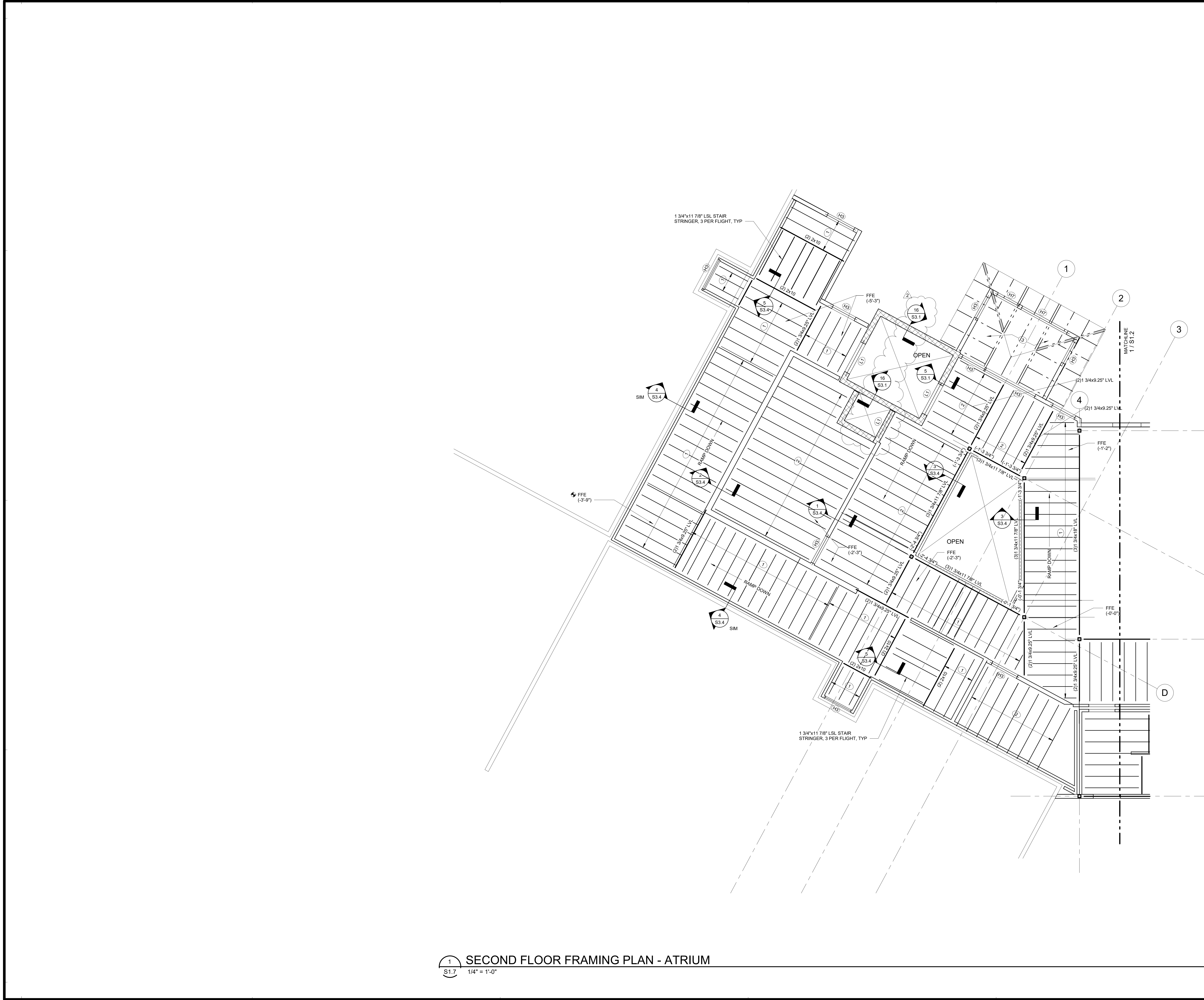
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : BSW	
ARCHITECT : DAS	CHECKED : BDT	
ENGINEER : LBF	APPROVED : Approver	
NO.	REVISION DESCRIPTION	DATE
2	REV 1- PERMIT COMMENTS	2/15/24

DRAWING TITLE

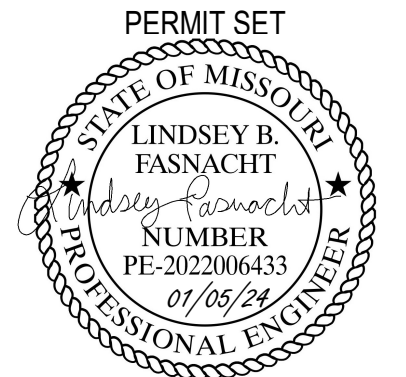
FOUNDATION PLAN -
ATRIUM

DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	S1.6



- GENERAL NOTES
1. FINISHED SECOND FLOOR ELEVATION= (+1'-4") ABOVE REFERENCE FIRST FLOOR, UNLESS NOTED OTHERWISE. TOP OF SECOND FLOOR PLYWOOD ELEV= (-0'-1") BELOW FINISHED FLOOR ELEVATION.
 2. TOP OF BEAM=TOP OF JOIST= (-0'-1 3/4") BELOW FINISHED FLOOR. FINISHED FLOOR ELEVATION VARIES. SEE PLAN FOR FINISHED FLOOR ELEVATION REFERENCED TO FINISHED THIRD FLOOR ELEVATION.
 3. REINFORCE ALL CMU WALLS W/ #5 VERTICAL @ 32" O/C, U.N.O.
 4. SHADING INDICATES SHEARWALL LOCATION. SEE S4.1 FOR SHEARWALL ELEVATIONS AND LOCATIONS OF SIMPSON HOLDDOWN AT EACH END OF SHEARWALL.
 5. CONTRACTOR SHALL COORDINATE ALL FLOOR FRAMING INTERFERENCES WITH MEP, ADD HEADERS AS REQUIRED TO PROVIDE NECESSARY CLEARANCES.
 6. SEE SECTION 650.3 FOR WOOD BEAM TO STEEL COLUMN CONNECTION.
 7. SEE 650.2 FOR BEARING WALL SCHEDULE.
 8. BEAMS SHALL BE SUPPORTED BY 3-2X WALL STUDS, UNLESS NOTED OTHERWISE. SEE 750.2 FOR POST SCHEDULE.
 9. SIMPSON LU28 OR HU28 SKEWED BEAM HANGER AT 2X10 JOISTS TO BEAM. SIMPSON HU15110 AT LVL JOISTS TO BEAM. SIMPSON LU5410 AT 2 PLY LVL TO LVL BEAM.
 10. PROVIDE FRT SHEATHING WITHIN 4'-0" OF FIREWALLS. SEE ARCH.

- PLAN NOTES
- 1 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 2X10 @ 16" O/C, UNLESS NOTED OTHERWISE.
 - 2 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 1.75X9.25" LVL @ 16" O/C, UNLESS NOTED OTHERWISE.
 - 3 TYPICAL ROOF FRAMING: 5/8" THICK PLYWOOD ROOF SHEATHING ON PRE-ENGINEERED WOOD ROOF TRUSSES SPACED @ 24" O/C MAX SPACING, UNLESS NOTED OTHERWISE.



COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcscs.com

DESIGNER : DAS	DRAWN : BSW	
ARCHITECT : DAS	CHECKED : BDT	
ENGINEER : LBF	APPROVED : Approver	
NO.	REVISION DESCRIPTION	DATE
2	REV 1- PERMIT COMMENTS	2/15/24

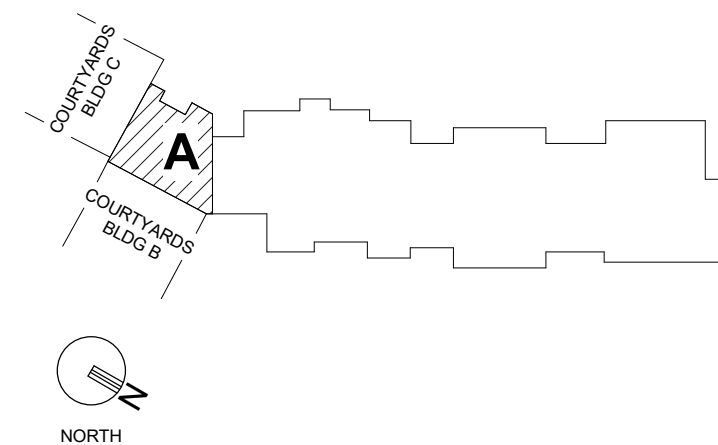
DRAWING TITLE
**SECOND FLOOR FRAMING
PLAN - ATRIUM**

DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	S1.7

1 SECOND FLOOR FRAMING PLAN - ATRIUM
S1.7 1/4" = 1'-0"

1 THIRD FLOOR FRAMING PLAN - ATRIUM
S1.8 1/4" = 1'-0"

KEY PLAN



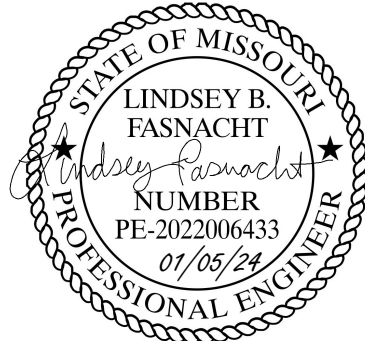
GENERAL NOTES

1. FINISHED THIRD FLOOR ELEVATION= (+22'-8") ABOVE REFERENCE FIRST FLOOR. UNLESS NOTED OTHERWISE, TOP OF THIRD FLOOR PLYWOOD ELEV= (-0'-1") BELOW FINISHED FLOOR ELEVATION.
2. TOP OF BEAM=TOP OF JOIST= (-0'-1 3/4") BELOW FINISHED FLOOR. FINISHED FLOOR ELEVATION VARIES. SEE PLAN FOR FINISHED FLOOR ELEVATION REFERENCED TO FINISHED THIRD FLOOR ELEVATION.
3. REINFORCE ALL CMU WALLS W/ #5 VERTICAL @ 32" O/C, U.N.O.
4. SHADING INDICATES SHEARWALL LOCATION. SEE S4.1 FOR SHEARWALL ELEVATIONS AND LOCATIONS OF SIMPSON HOLDDOWN AT EACH END OF SHEARWALL.
5. CONTRACTOR SHALL COORDINATE ALL FLOOR FRAMING INTERFERENCES WITH MEP. ADD HEADERS AS REQUIRED TO PROVIDE NECESSARY CLEARANCES.
6. SEE SECTION 6S0.3 FOR WOOD BEAM TO STEEL COLUMN CONNECTION.
7. SEE 6S0.2 FOR BEARING WALL SCHEDULE.
8. BEAMS SHALL BE SUPPORTED BY 3-2X WALL STUDS, UNLESS NOTED OTHERWISE. SEE 7S0.2 FOR POST SCHEDULE.
9. SIMPSON LU22 OR HU28 SKEWED BEAM HANGER AT 2X10 JOISTS TO BEAM. SIMPSON HU31 8/11/10 AT LVL JOISTS TO BEAM. SIMPSON LU5410 AT 2 PLY LVL TO LVL BEAM. UNO.
10. PROVIDE FRT SHEATHING WITHIN 4'-0" OF FIREWALLS. SEE ARCH.

PLAN NOTES

1. 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 2X10 @ 16" O/C, UNLESS NOTED OTHERWISE.
2. 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 1 7/8X9.25" LVL @ 16" O/C, UNLESS NOTED OTHERWISE.
3. SIMPSON HH548 HANGER.
4. SIMPSON HUC48 WITH (10) TNT25214H TITEN TURBO MASONRY SCREW ANCHORS.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCS

Architecture
Engineering
Planning
Interiors

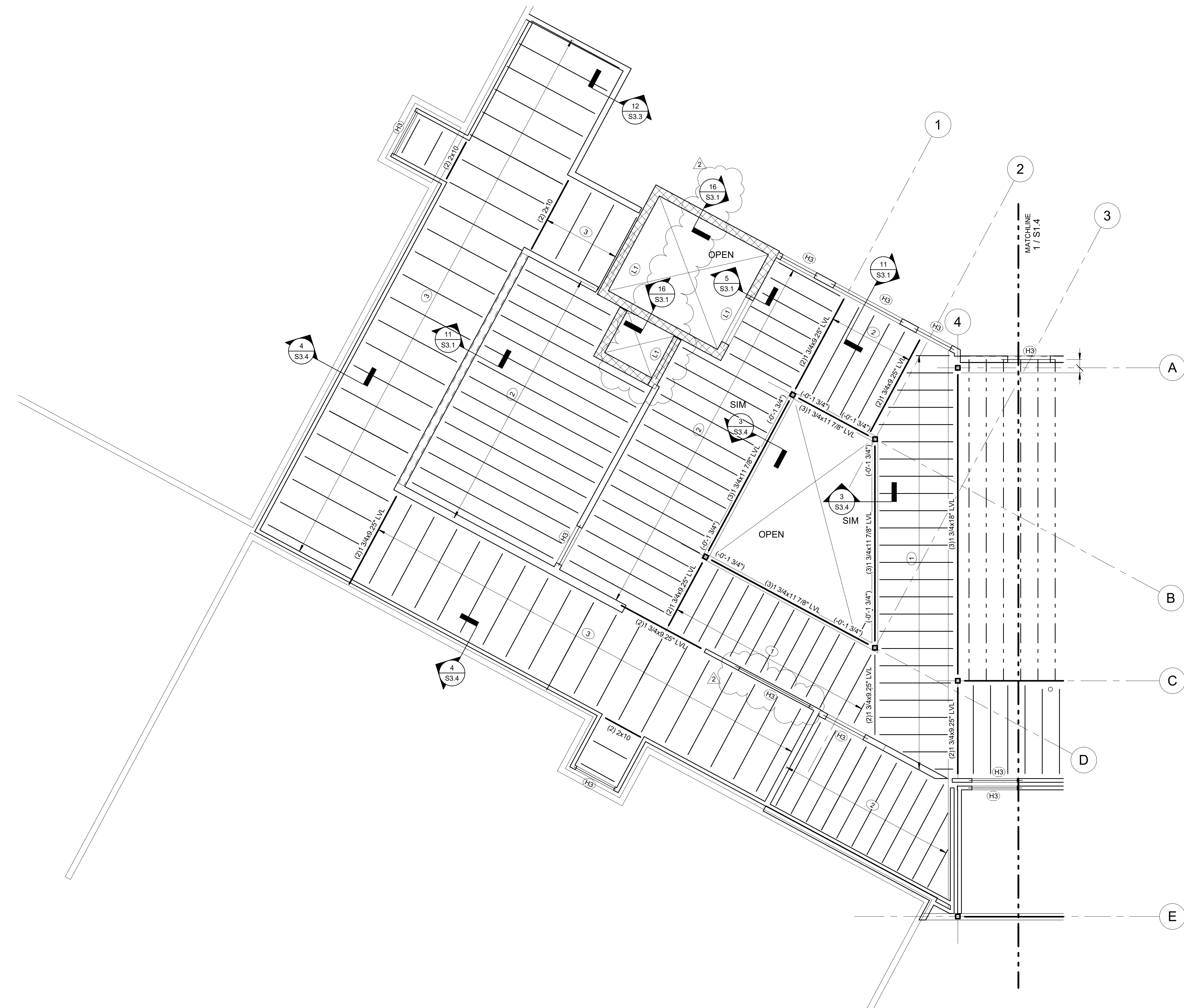
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : BSW
ARCHITECT : DAS	CHECKED : BDT
ENGINEER : LBF	APPROVED : Approver
NO.	REVISION DESCRIPTION DATE
2	REV 1- PERMIT COMMENTS 2/15/24

DRAWING TITLE

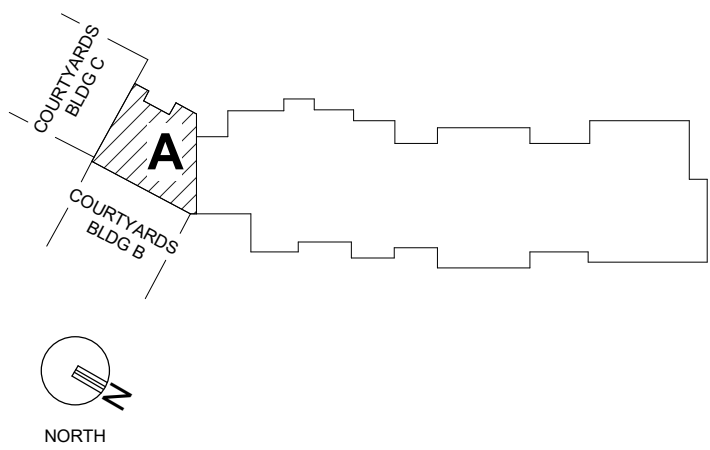
THIRD FLOOR FRAMING
PLAN - ATRIUM

DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	S1.8



2 FOURTH FLOOR FRAMING PLAN - ATRIUM
1/4" = 1'-0"

KEY PLAN



GENERAL NOTES

1. FINISHED FOURTH FLOOR ELEVATION= (+34'-0") ABOVE REFERENCE FIRST FLOOR, UNLESS NOTED OTHERWISE. TOP OF FOURTH FLOOR PLYWOOD ELEV= (-0'-1") BELOW FINISHED FLOOR ELEVATION.
2. TOP OF BEAM=TOP OF JOIST= (-0'-1 3/4") BELOW FINISHED FLOOR.
3. REINFORCE ALL CMU WALLS W/ #5 VERTICAL @ 32" O/C, U.N.O.
4. SHADING INDICATES SHEARWALL LOCATION. SEE S4.1 FOR SHEARWALL ELEVATIONS AND LOCATIONS OF SIMPSON HOLDDOWN AT EACH END OF SHEARWALL.
5. CONTRACTOR SHALL COORDINATE ALL FLOOR FRAMING INTERFERENCES WITH MEP. ADD HEADERS AS REQUIRED TO PROVIDE NECESSARY CLEARANCES.
6. SEE SECTION 650.3 FOR WOOD BEAM TO STEEL COLUMN CONNECTION.
7. SEE 650.2 FOR BEARING WALL SCHEDULE.
8. BEAMS SHALL BE SUPPORTED BY 3-2X WALL STUDS, UNLESS NOTED OTHERWISE. SEE 750.2 FOR POST SCHEDULE.
9. SIMPSON LU28 OR HU28 SKEWED BEAM HANGER AT 2X10 JOISTS TO BEAM. SIMPSON HU1.81/10 AT LVL JOISTS TO BEAM. SIMPSON LUS410 AT 2 PLY LVL TO LVL BEAM.
10. PROVIDE FRT SHEATHING WITHIN 4'-0" OF FIREWALLS. SEE ARCH.

PLAN NOTES

1. 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 2X10 @ 16" O/C, UNLESS NOTED OTHERWISE.
2. 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING ON 1/4" SOUND MAT ON 3/4" THICK TONGUE AND GROOVE PLYWOOD SHEATHING SUPPORTED BY 1 7/8X9.25" LVL @ 16" O/C, UNLESS NOTED OTHERWISE.
3. 5/8" THICK PLYWOOD SHEATHING ON 2X10 JOISTS @ 24" O/C, UNLESS NOTED OTHERWISE. LOW ROOF JOIST BEARING= (+26'-0 3/4") ABOVE REFERENCED FIRST FLOOR.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

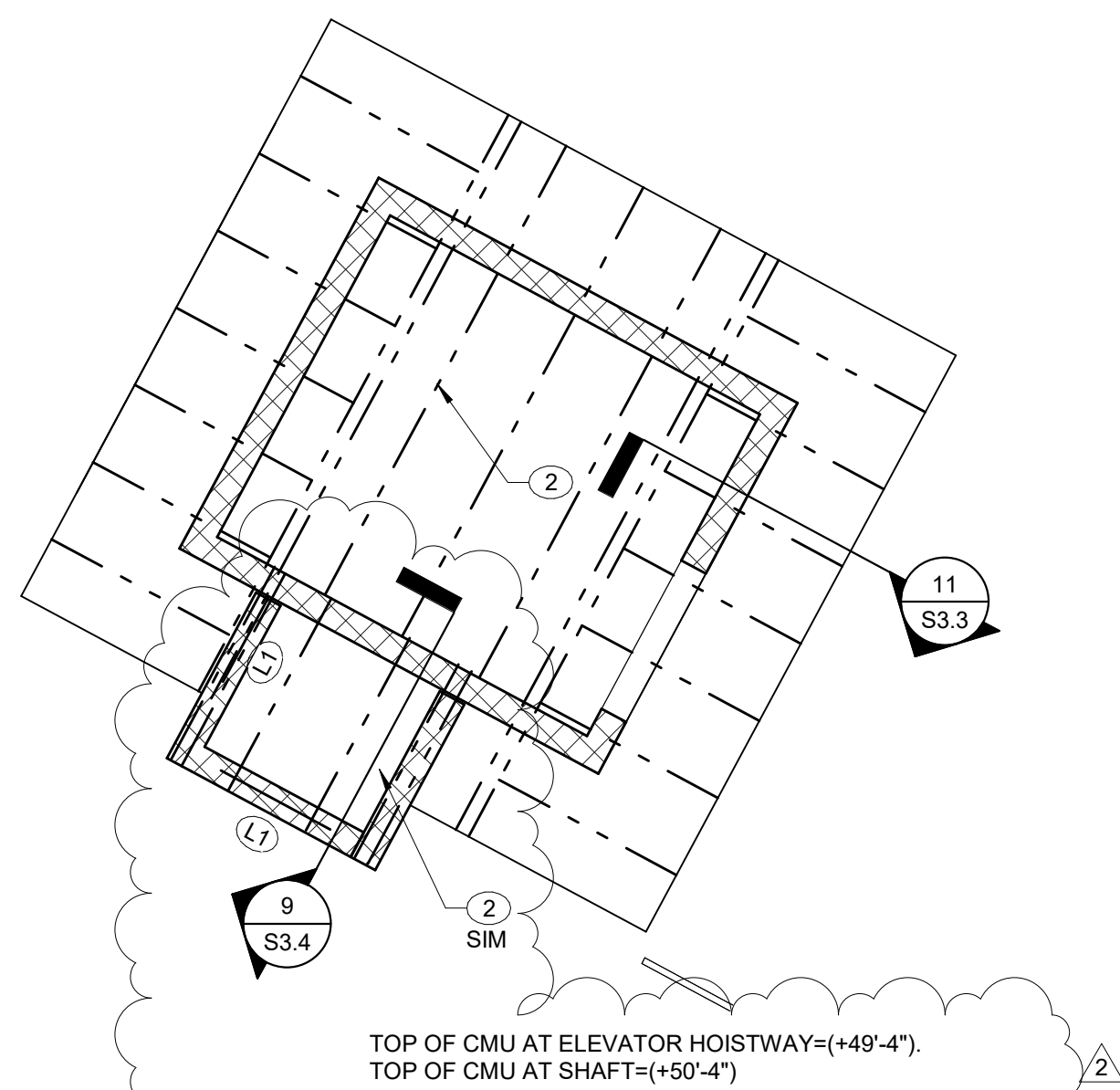
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcsc.com

DESIGNER : DAS	DRAWN : BSW	
ARCHITECT : DAS	CHECKED : BDT	
ENGINEER : LBF	APPROVED : Approver	
NO.	REVISION DESCRIPTION	DATE
2	REV 1- PERMIT COMMENTS	2/15/24

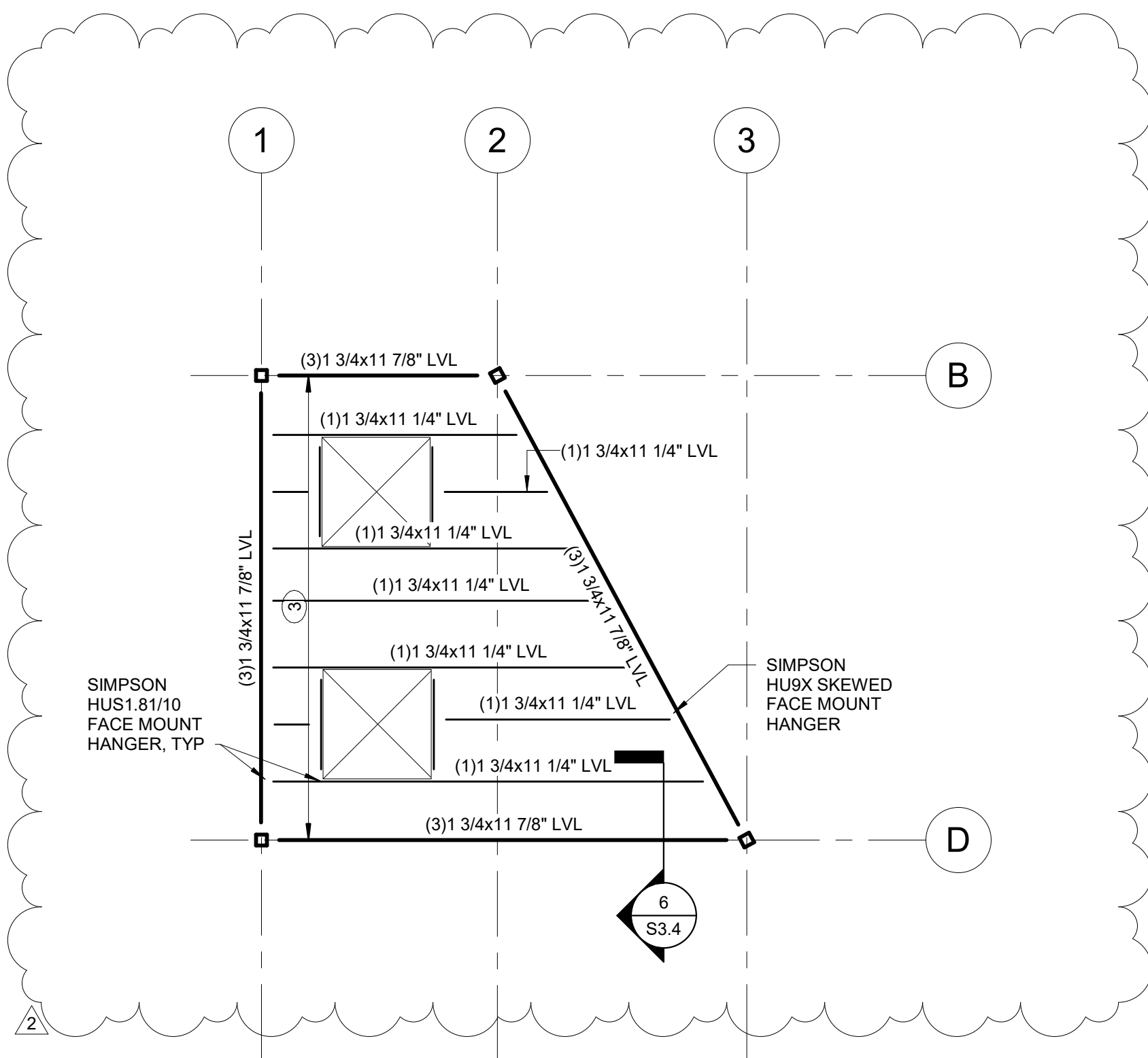
DRAWING TITLE

FOURTH FLOOR FRAMING
PLAN - ATRIUM

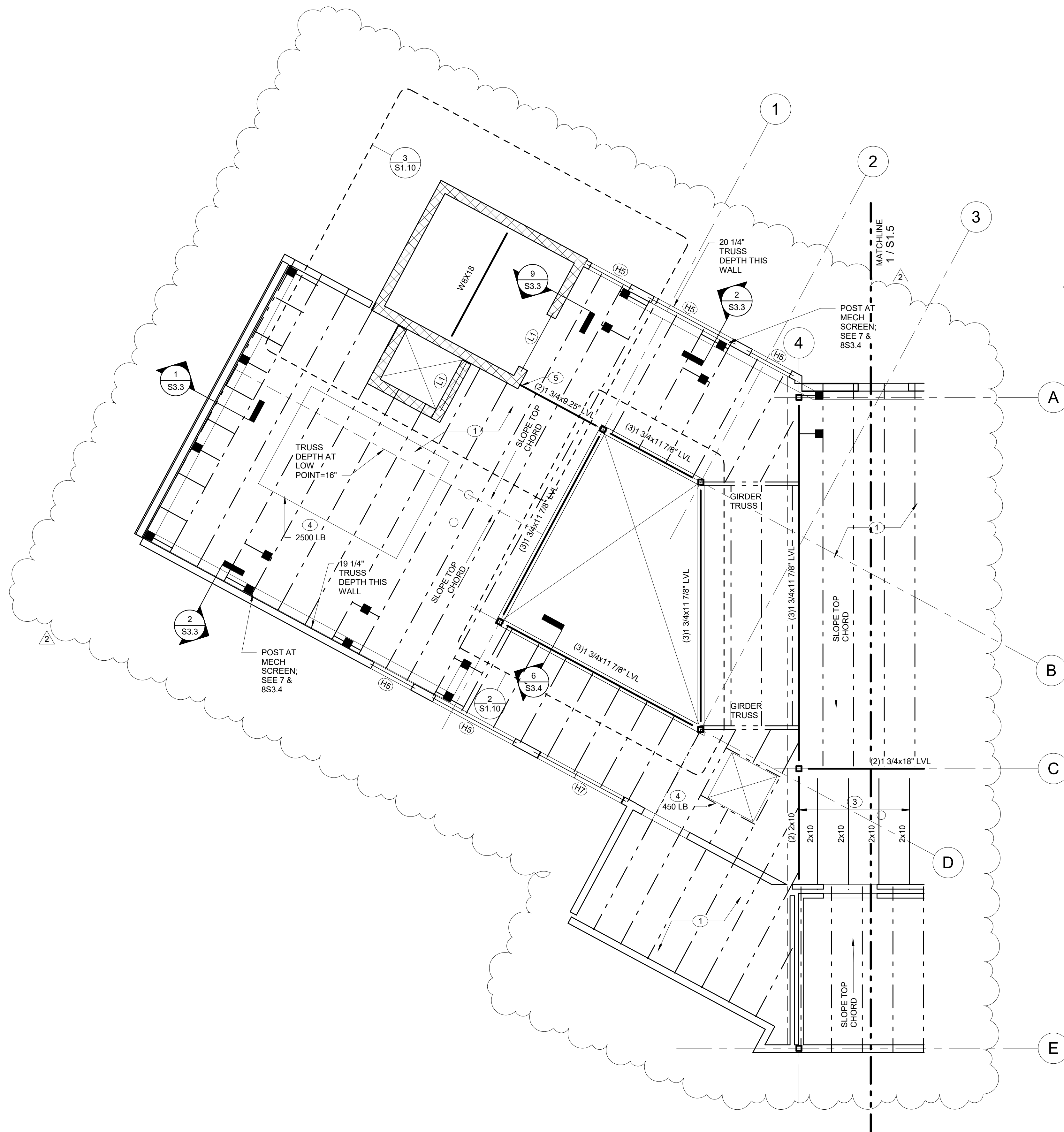
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	S1.9



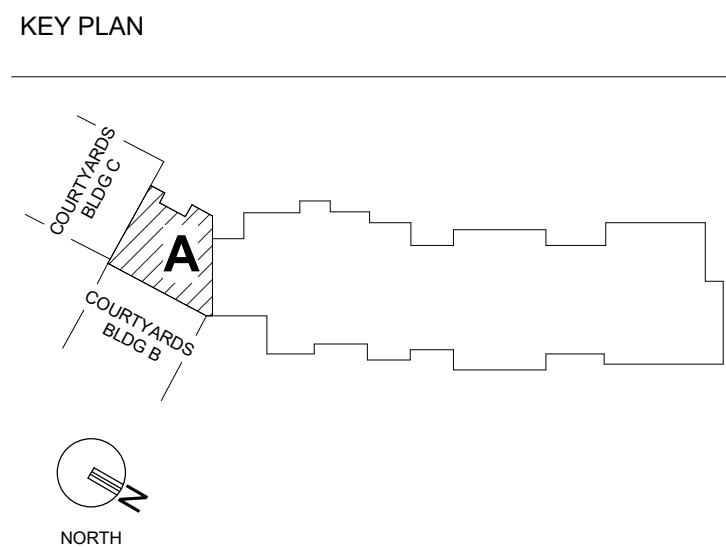
3 ELEVATOR HOISTWAY ROOF
S1.10 1/4" = 1'-0"



2 CLERESTORY ROOF FRAMING
S1.10 1/4" = 1'-0"



1 ROOF FRAMING PLAN - ATRIUM
S1.10 1/4" = 1'-0"



- GENERAL NOTES**
1. ROOF TRUSS BEARING ELEVATION= (+43'-0 1/4") ABOVE REFERENCE FIRST FLOOR, UNLESS NOTED OTHERWISE. CLERESTORY JOIST BEARING ELEVATION= (+50'-4"), U.N.O. ELEVATOR HOISTWAY JOIST BEARING= (+48'-11").
 2. BOTTOM OF WOOD BEAM= ROOF TRUSS BEARING ELEVATION. TOP OF STL AT HOIST BEAM= (+48'-3 3/4").
 3. REINFORCE ALL CMU WALLS W/ #5 VERTICAL @ 32" O.C. U.N.O.
 4. SHADING INDICATES SHEARWALL LOCATION. SEE S4.1 FOR SHEARWALL ELEVATIONS AND LOCATIONS OF SIMPSON HOLDDOWN AT EACH END OF SHEARWALL.
 5. CONTRACTOR SHALL COORDINATE ALL ROOF TRUSS FRAMING INTERFERENCES WITH MEP. ADD GIRDER TRUSSES AND HEADERS AS REQUIRED TO PROVIDE NECESSARY CLEARANCES.
 6. SEE SECTION 6S0.3 FOR WOOD BEAM TO STEEL COLUMN CONNECTION.
 7. SEE 6S0.2 FOR BEARING WALL SCHEDULE.
 8. BEAMS SHALL BE SUPPORTED BY 3-2X WALL STUDS, UNLESS NOTED OTHERWISE. SEE 7S0.2 FOR POST SCHEDULE.
 9. PROVIDE FRT SHEATHING WITHIN 4'-0" OF FIREWALLS. SEE ARCH.

- PLAN NOTES**
1. TYPICAL ROOF FRAMING: 5/8" THICK PLYWOOD ROOF SHEATHING ON PRE-ENGINEERED WOOD ROOF TRUSSES WITH TOP CHORD AT 1/4" FOOT SLOPE SPACED @ 24" O/C MAX SPACING, UNLESS NOTED OTHERWISE. MINIMUM TRUSS DEPTH=16" DEEP.
 2. TYPICAL HIGH ROOF FRAMING: 5/8" THICK PLYWOOD ROOF SHEATHING ON PRE-ENGINEERED WOOD ROOF TRUSSES SPACED @ 24" O/C MAX SPACING OVER HORIZONTAL SHAFTLINER CAP. SEE ARCH. TRUSS DEPTH= 16" DEEP. 2X6 @ 24" O/C AT SIM.
 3. 5/8" THICK PLYWOOD ROOF SHEATHING ON JOISTS @ 24" O/C MAX SPACING.
 4. DESIGN TRUSSES FOR RTU WEIGHT INDICATED ON PLAN. FINAL LOCATION OF POINT LOADS SHALL BE COORDINATED WITH ACTUAL SELECTED RTU CURB DIMENSIONS. SEE 10/S3.3 AT CURB.
 5. SIMPSON HUC48 HANGER AT BEAM TO CMU WITH (14) TNT25214H TITEN TURBO MASONRY SCREW ANCHORS



PROJECT TITLE

John Knox Village

COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcsc.com

DESIGNER : DAS	DRAWN : BSW
ARCHITECT : DAS	CHECKED : BDT
ENGINEER : LBF	APPROVED : Approver
NO.	REVISION DESCRIPTION DATE
2	REV 1- PERMIT COMMENTS 2/15/24

DRAWING TITLE

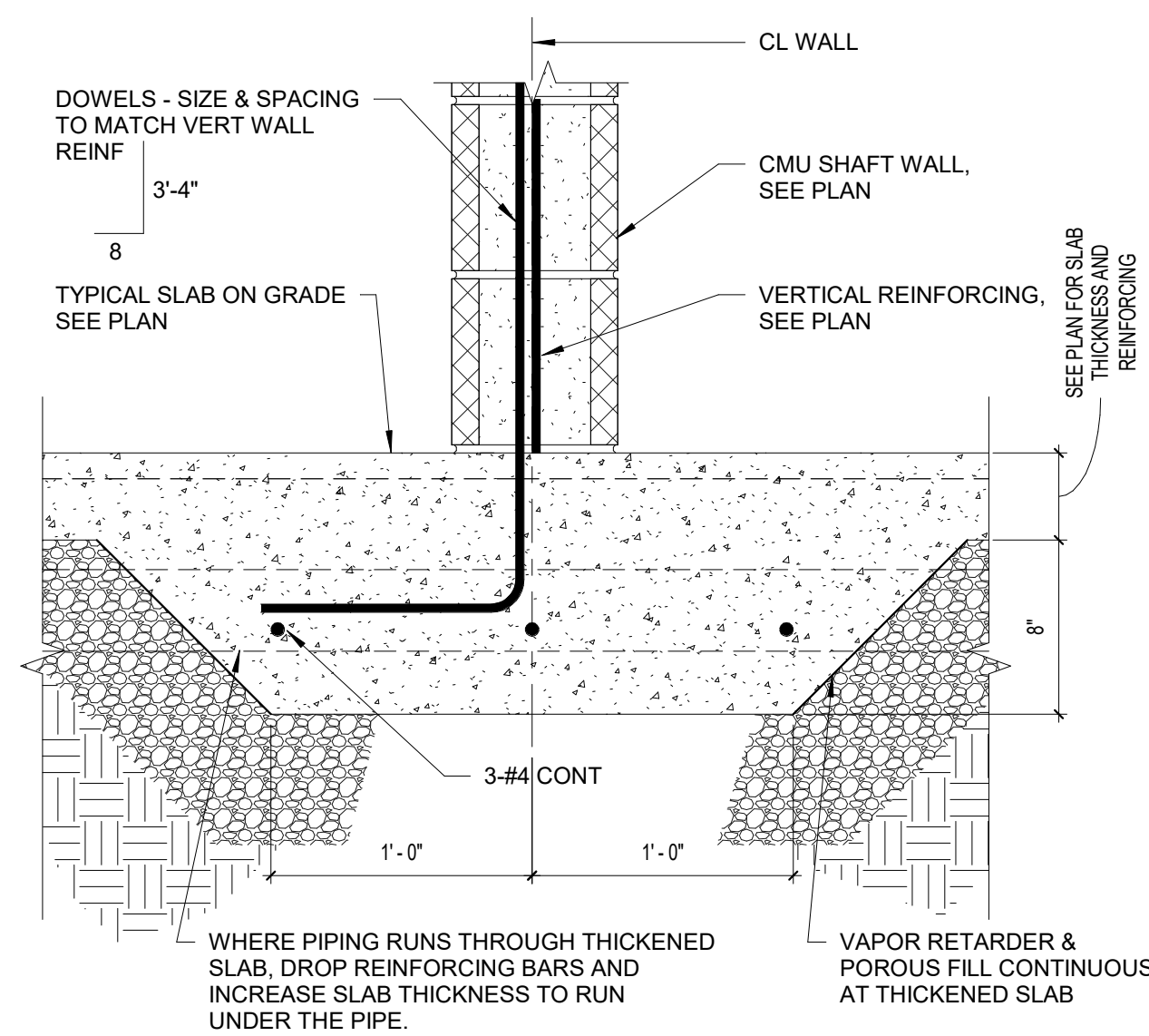
ROOF FRAMING PLAN - ATRIUM

DATE: January 5, 2024

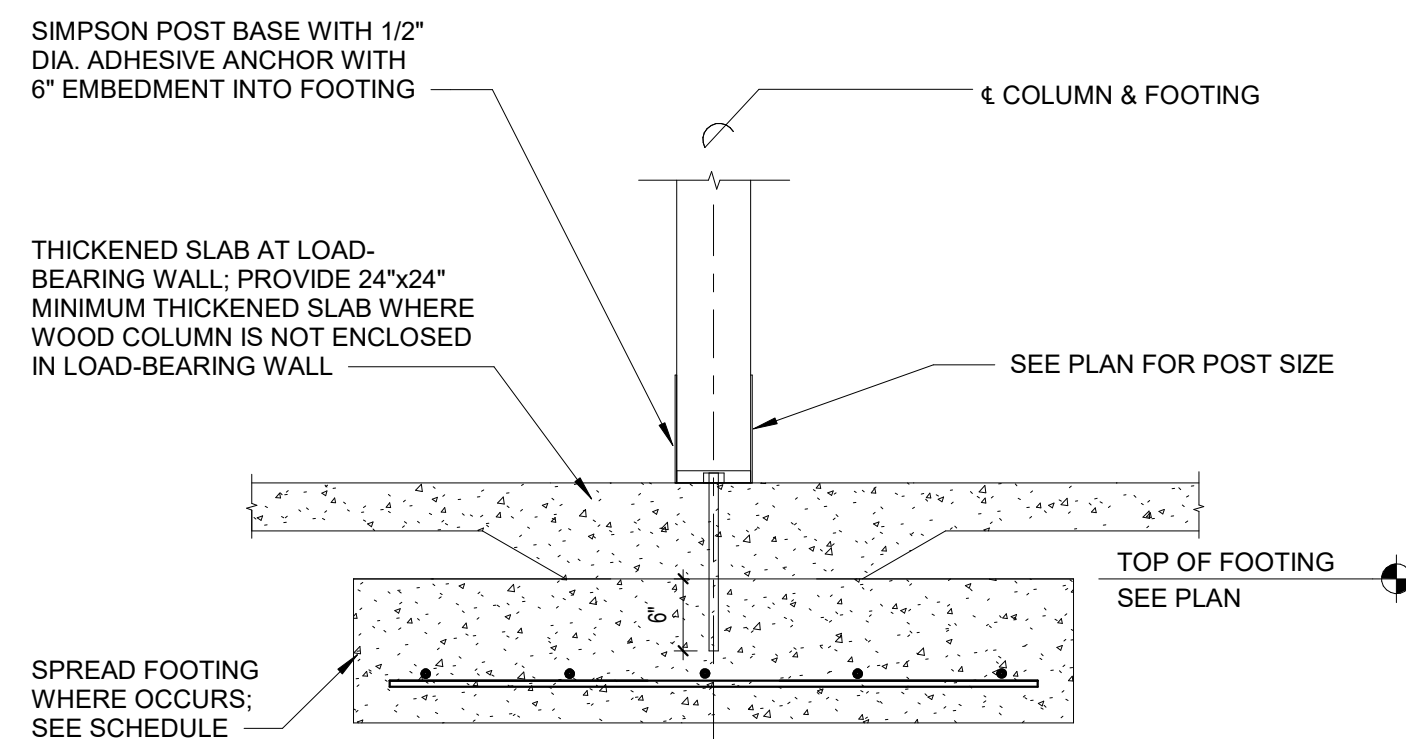
COM. NO. 23104.00

DRAWING

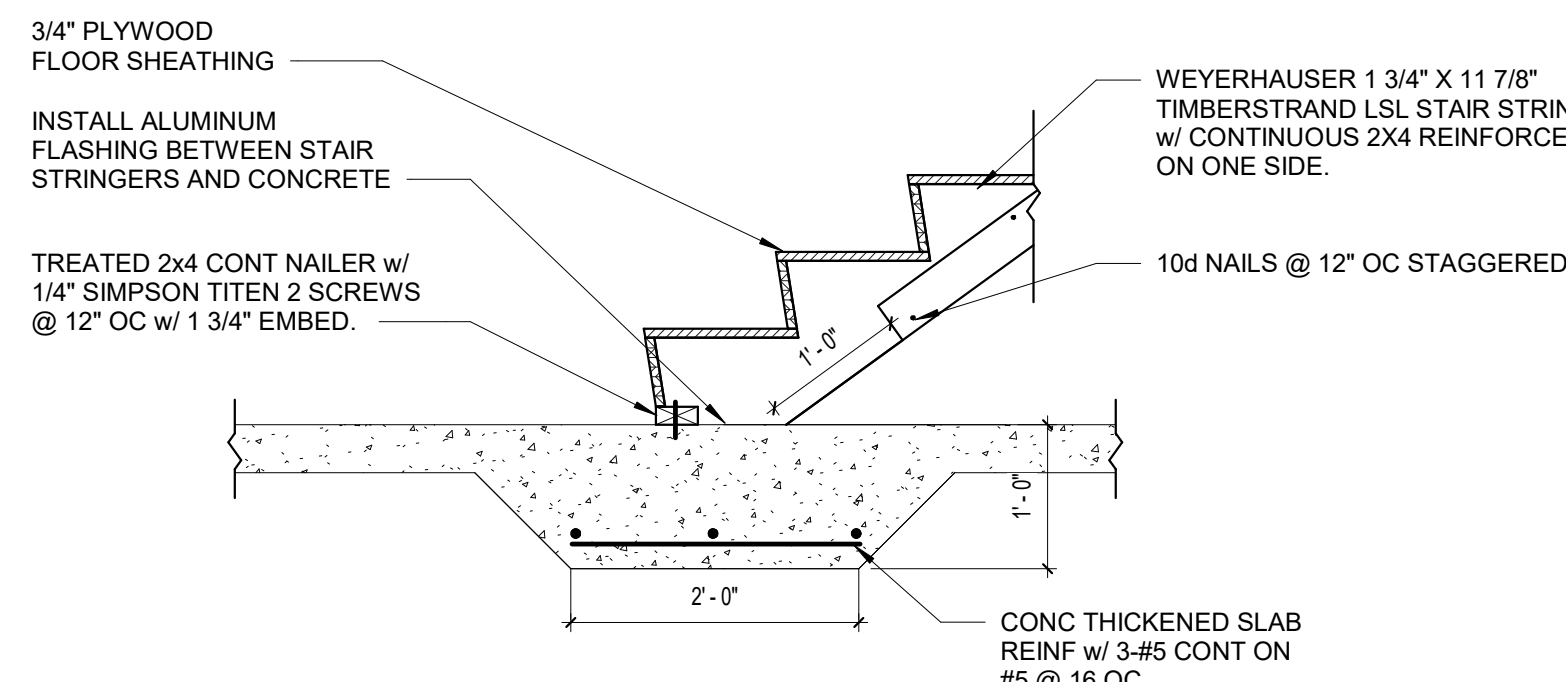
S1.10



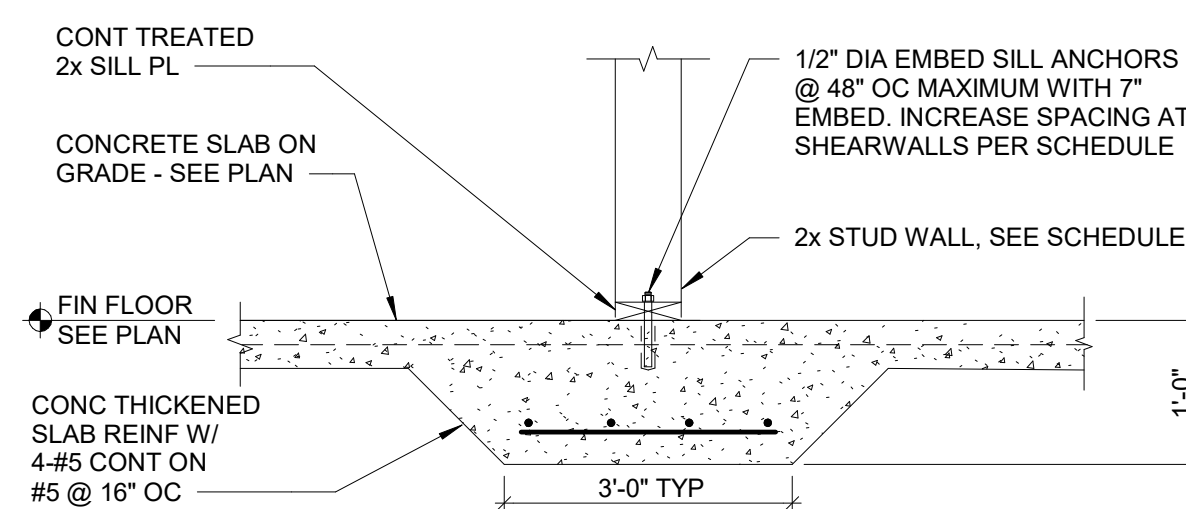
8 TYP THICKENED SLAB AT CMU
S2.1 1 1/2" = 1'-0"



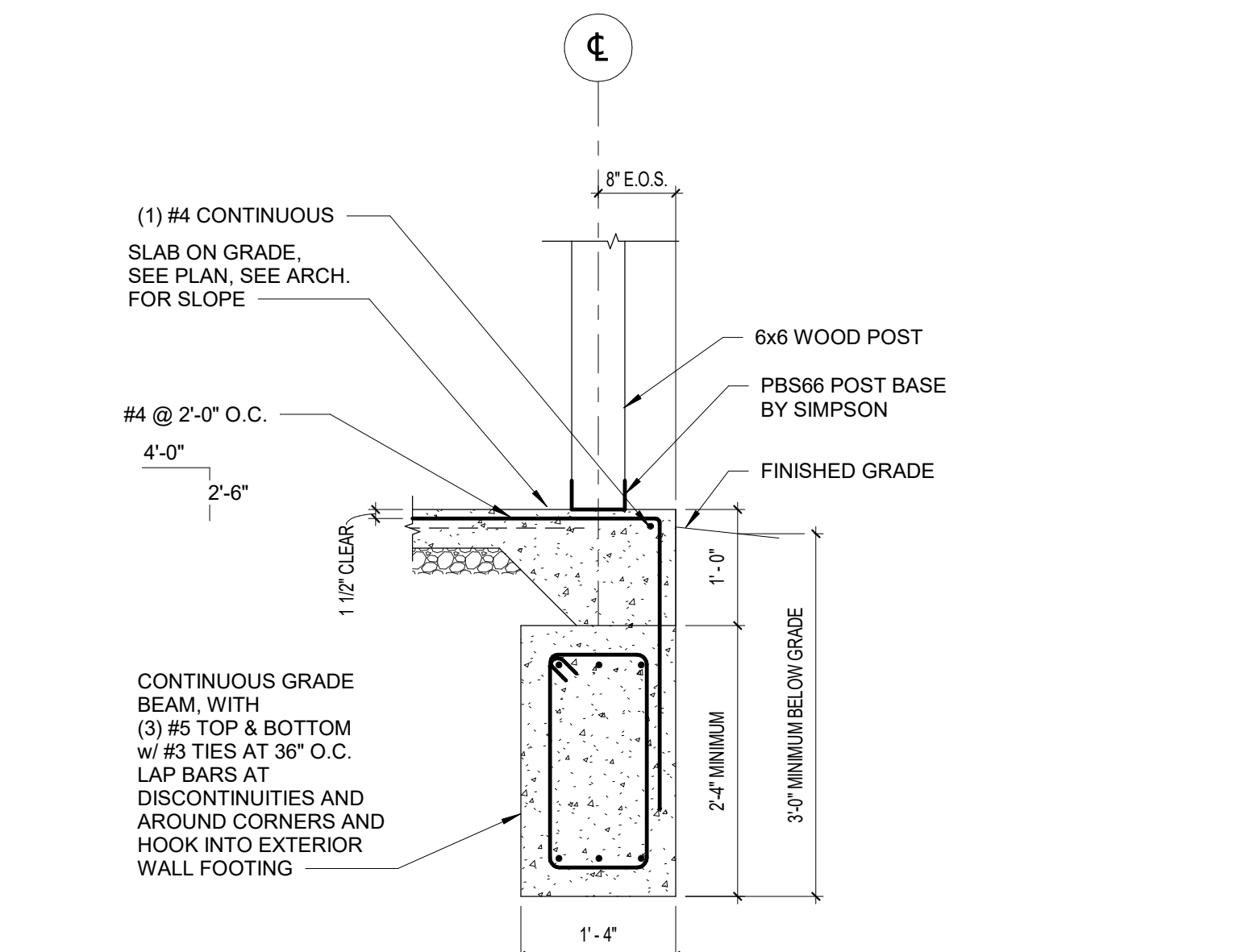
7 TYP INTERIOR POST FOOTING
S2.1 3/4" = 1'-0"



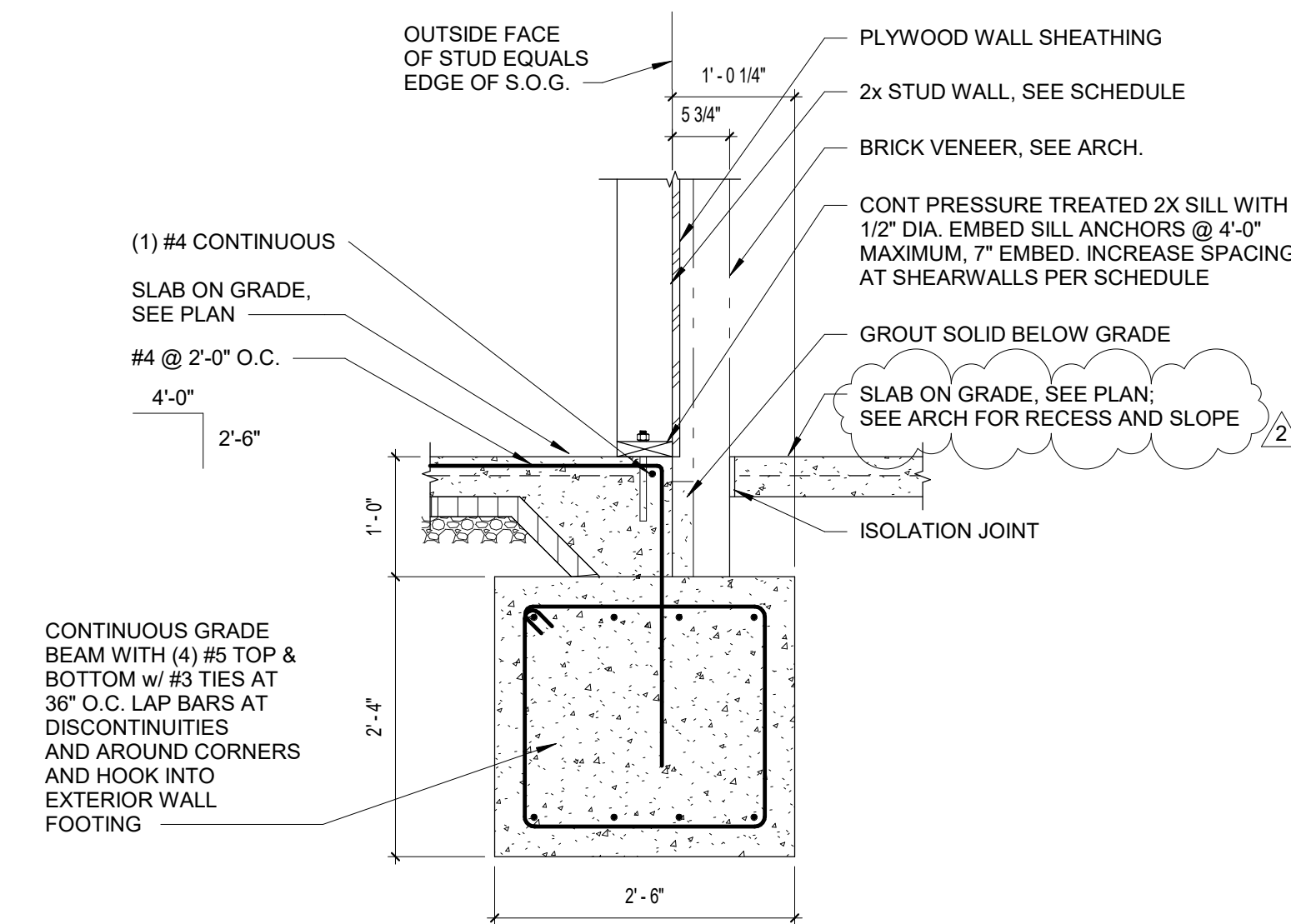
6 STAIR ATTACHMENT TO SLAB
S2.1 3/4" = 1'-0"



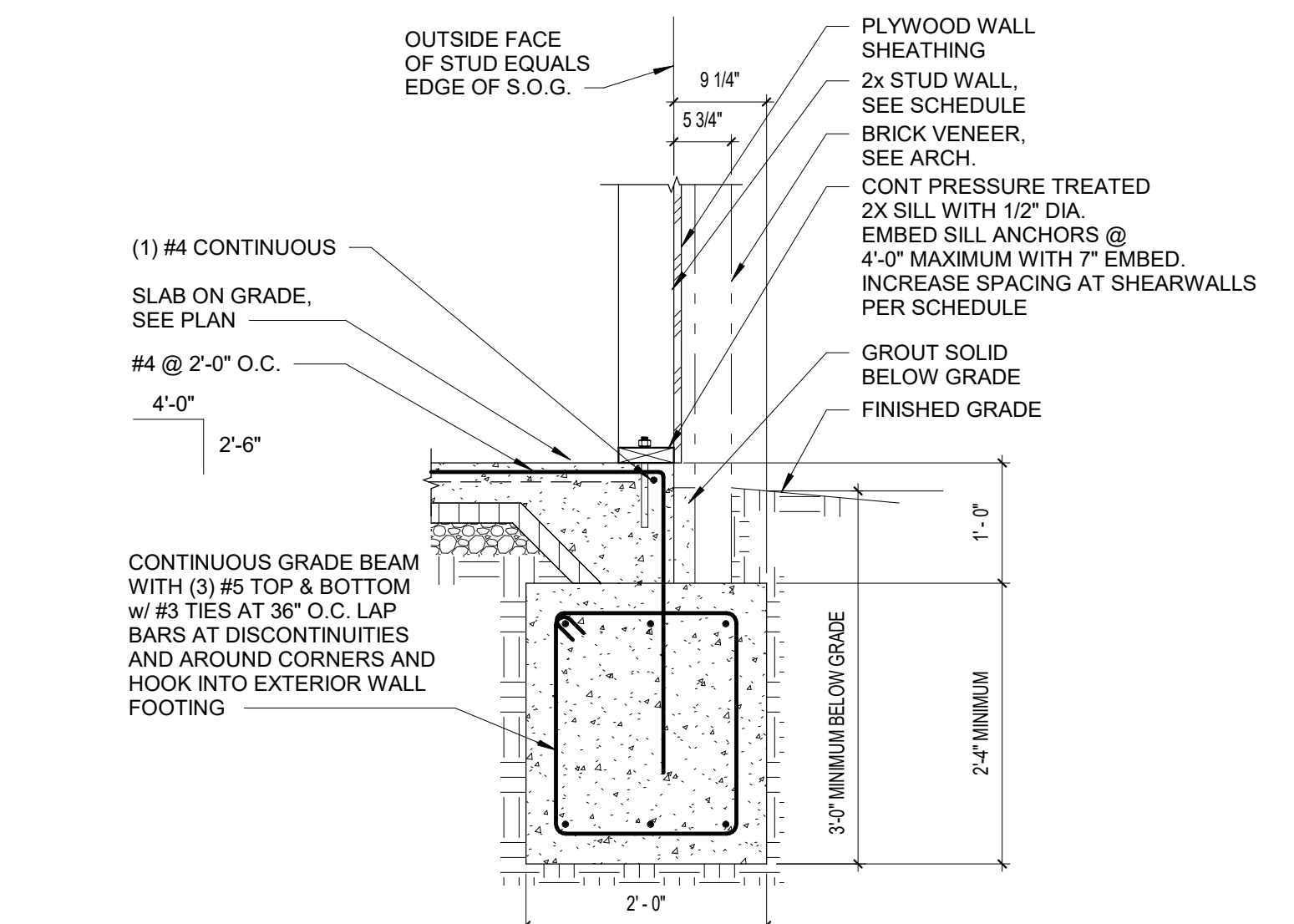
5 TYP THK SLAB UNDER WOOD STUD BEARING WALL
S2.1 3/4" = 1'-0"



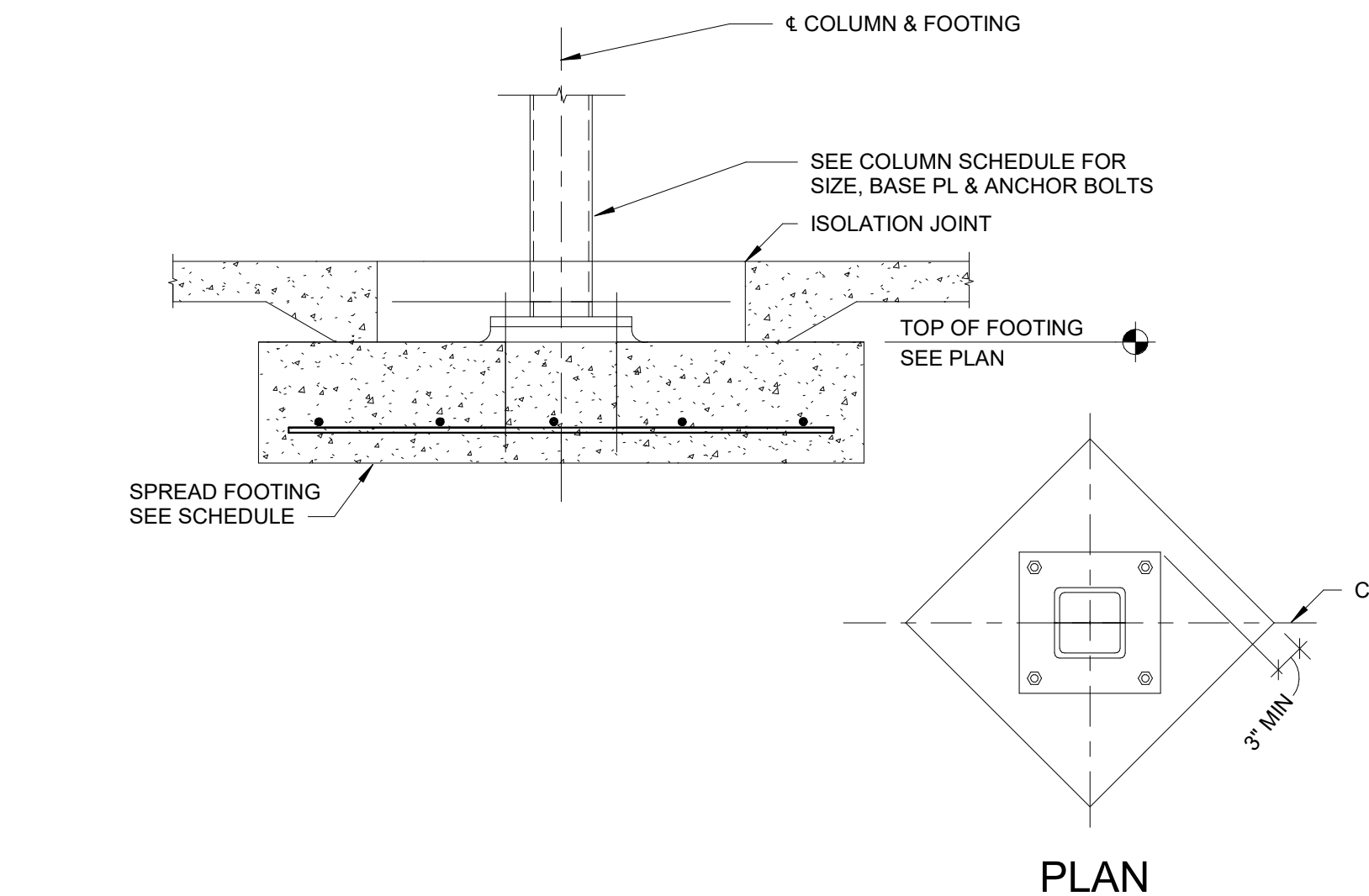
4 TYP PORCH POST ON GRADE BEAM
S2.1 3/4" = 1'-0"



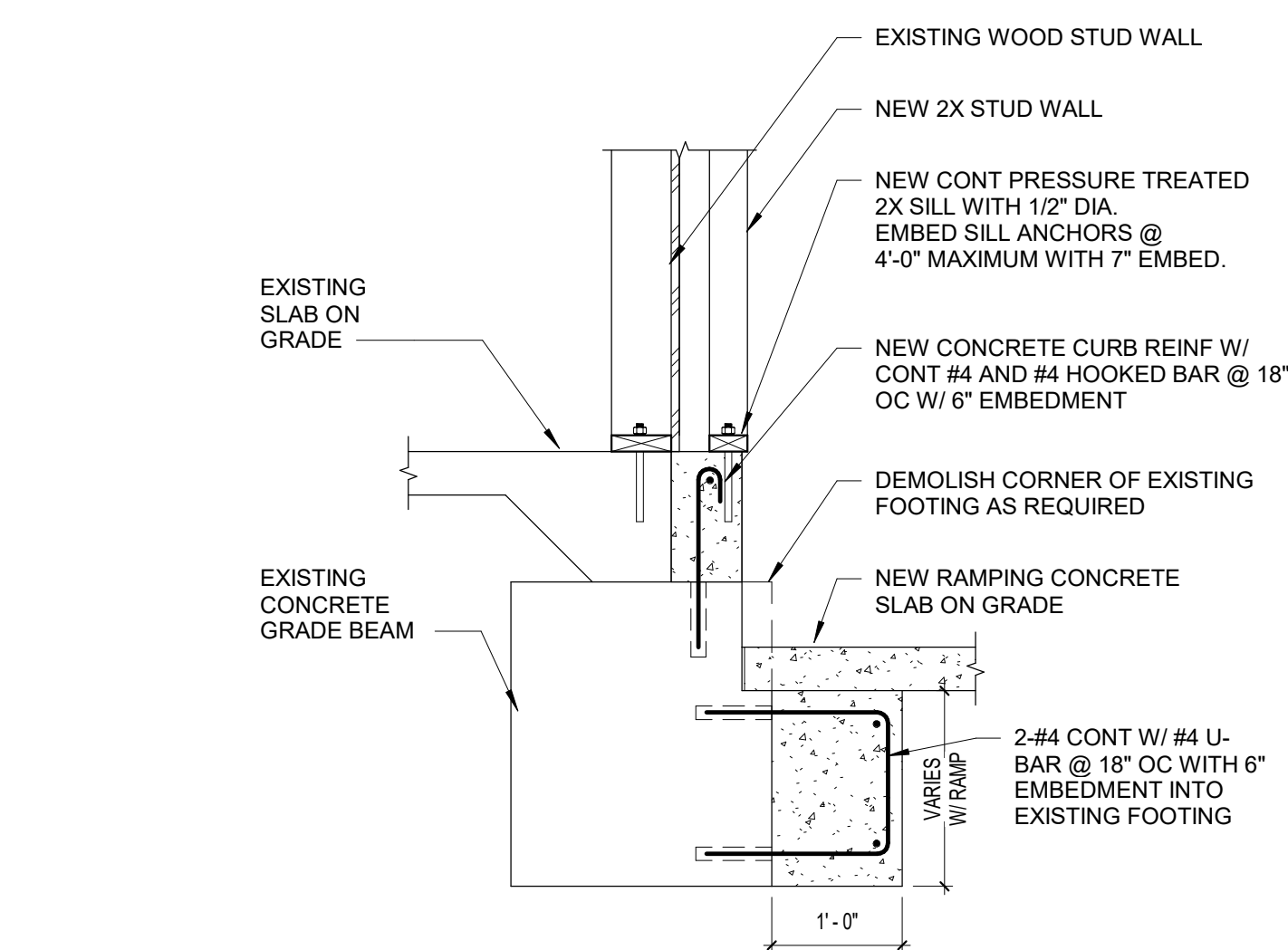
3 TYP GRADE BEAM WITH EXTERIOR SLAB
S2.1 3/4" = 1'-0"



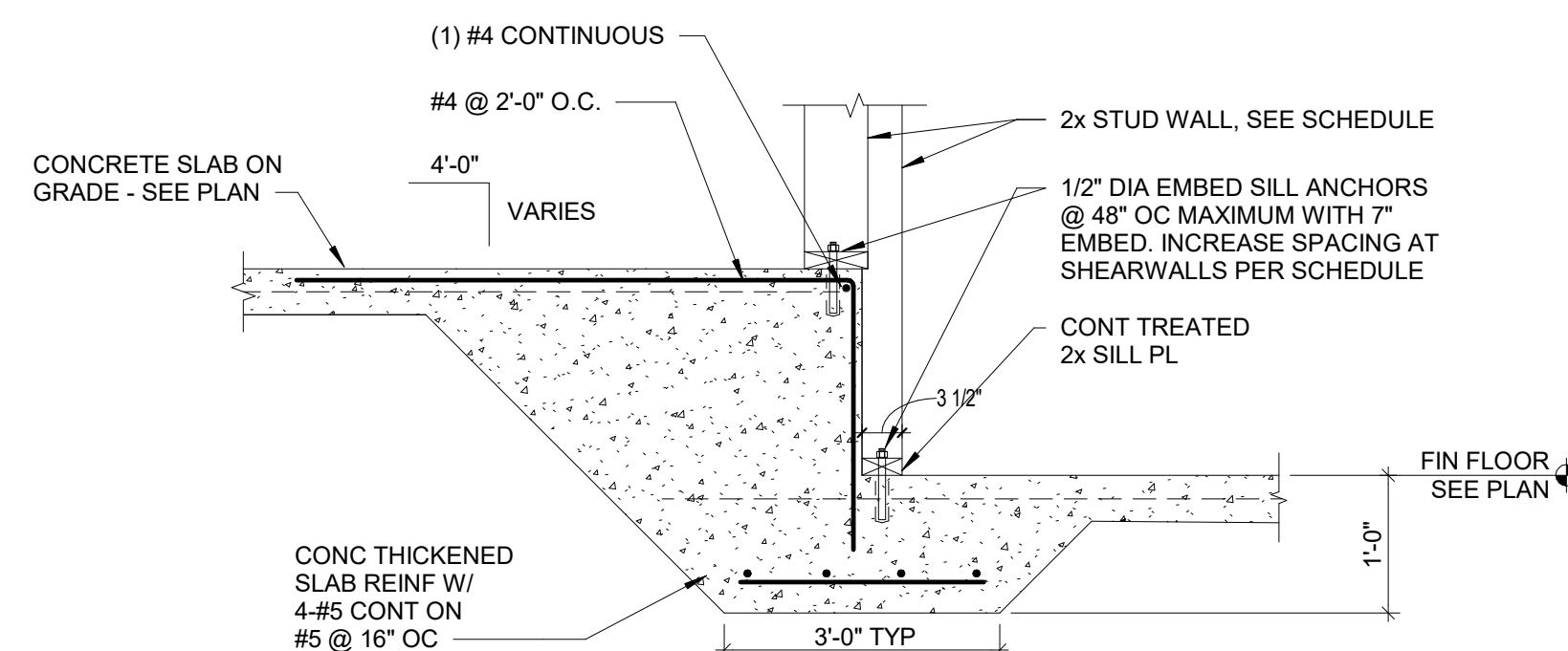
2 TYP BEARING WALL ON PERIMETER GRADE BEAM
S2.1 3/4" = 1'-0"



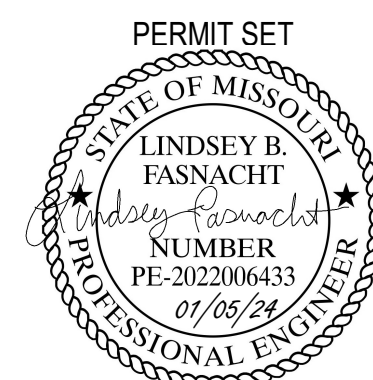
1 TYP STEEL COLUMN ON INTERIOR FOOTING
S2.1 3/4" = 1'-0"



10 SECTION
S2.1 3/4" = 1'-0"



9 SECTION
S2.1 3/4" = 1'-0"



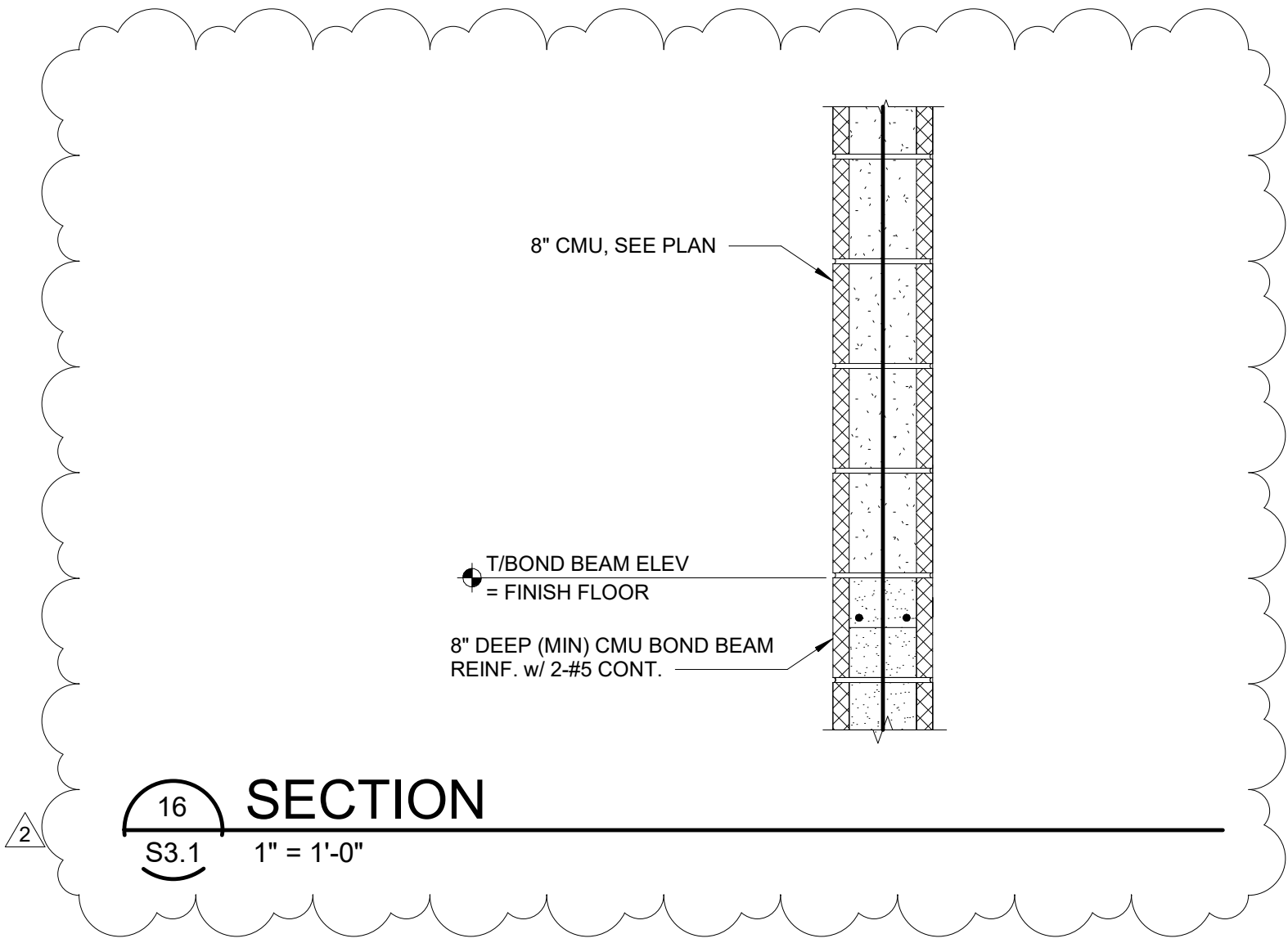
John Knox Village
COURTYARDS - BUILDING E

SFC
Architecture
Engineering
Planning
Interiors
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

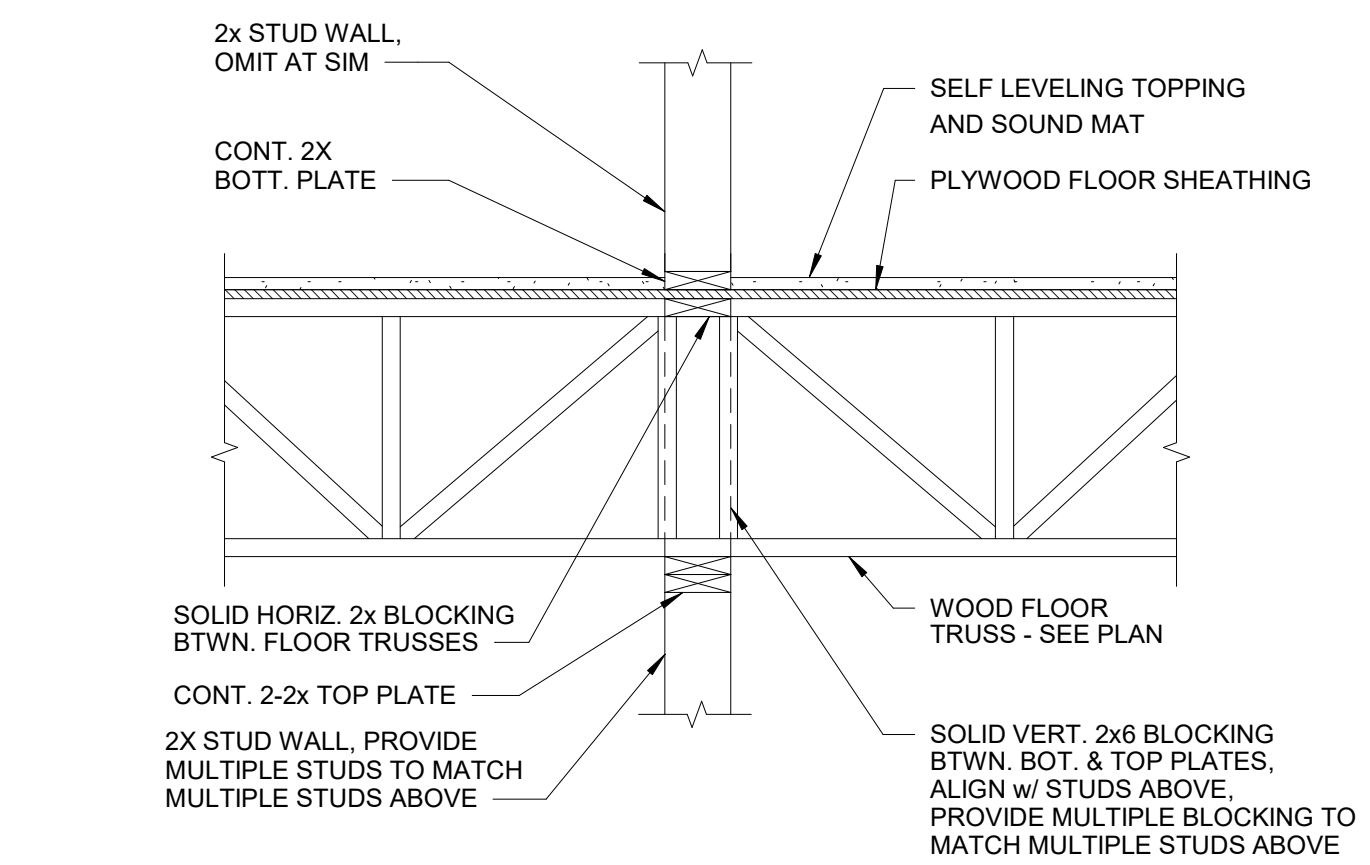
DESIGNER : DAS	DRAWN : BSW
ARCHITECT : DAS	CHECKED : BDT
ENGINEER : LBF	APPROVED : Approver
NO. 2	REVISION DESCRIPTION 2/15/24

DRAWING TITLE
FOUNDATION SECTIONS
AND DETAILS

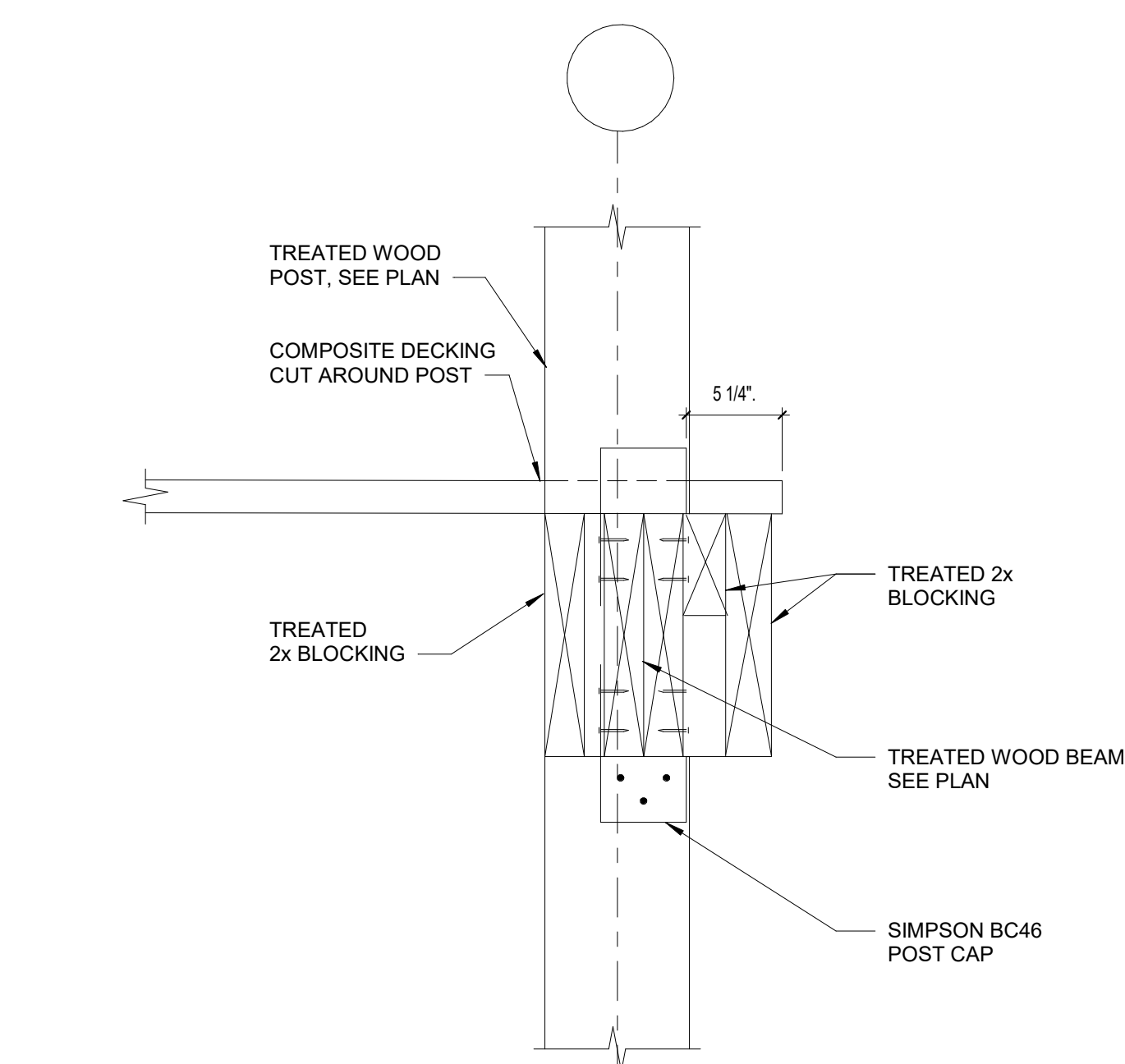
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	S2.1



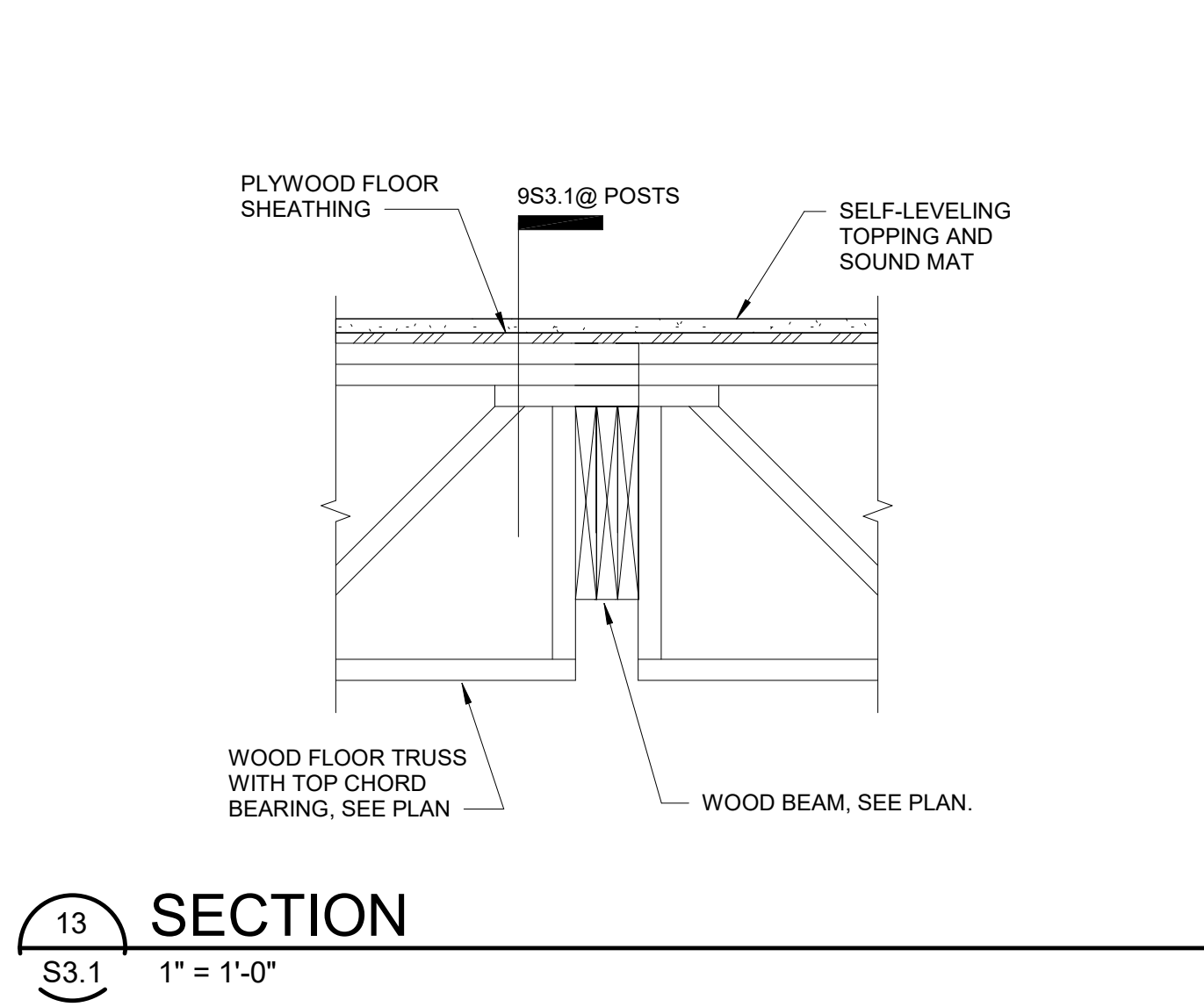
16 SECTION
S3.1 1" = 1'-0"



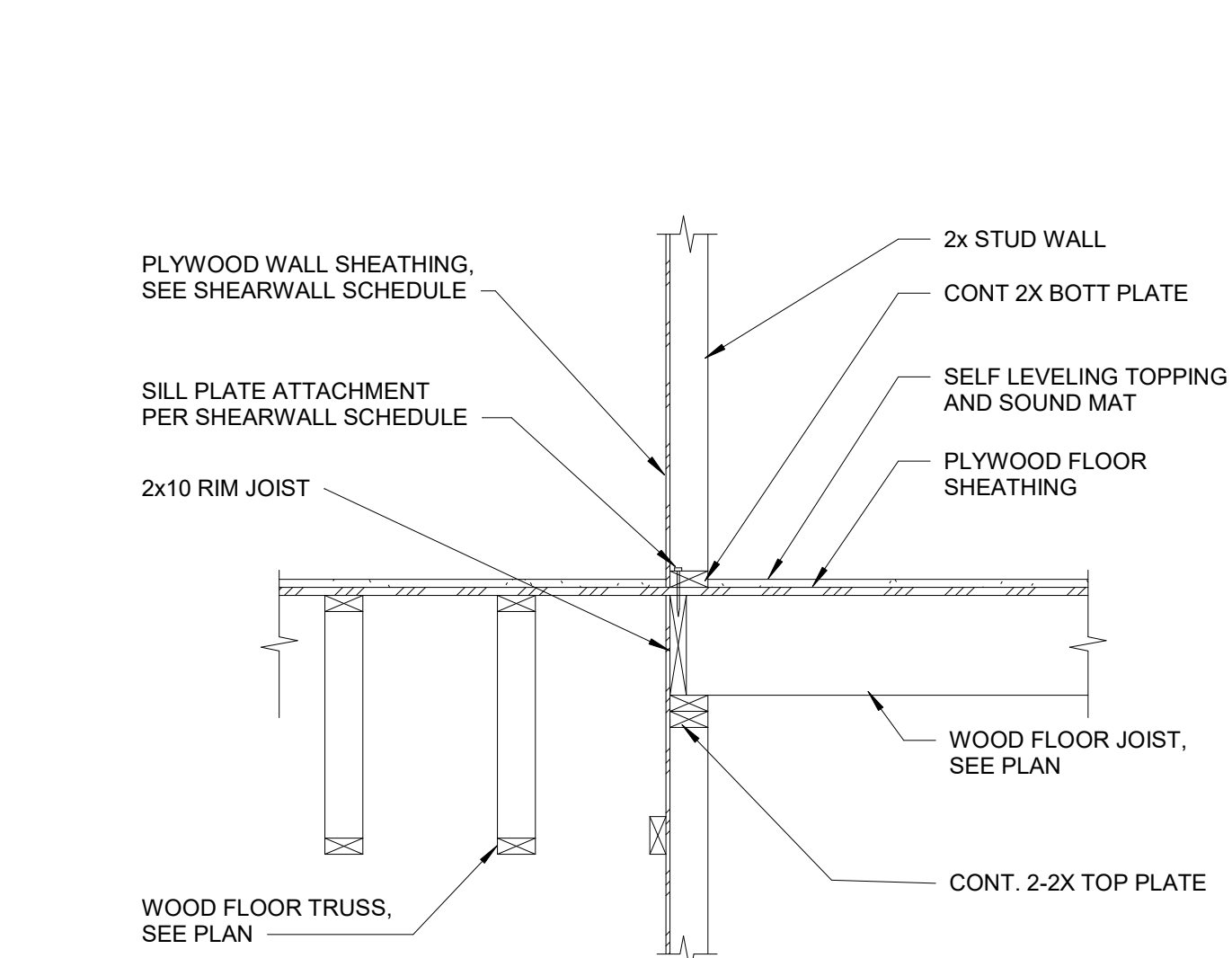
15 SECTION
S3.1 3/4" = 1'-0"



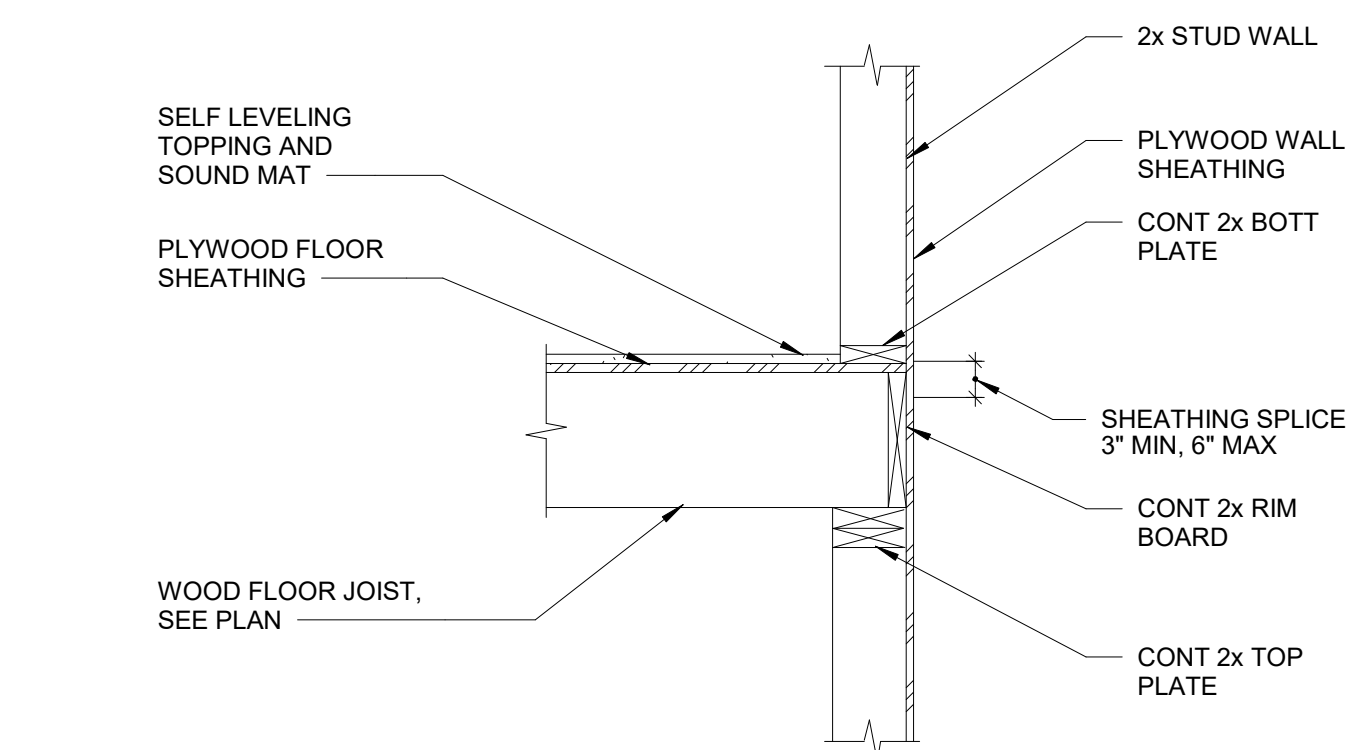
14 PORCH BEAM AT POST
S3.1 1" = 1'-0"



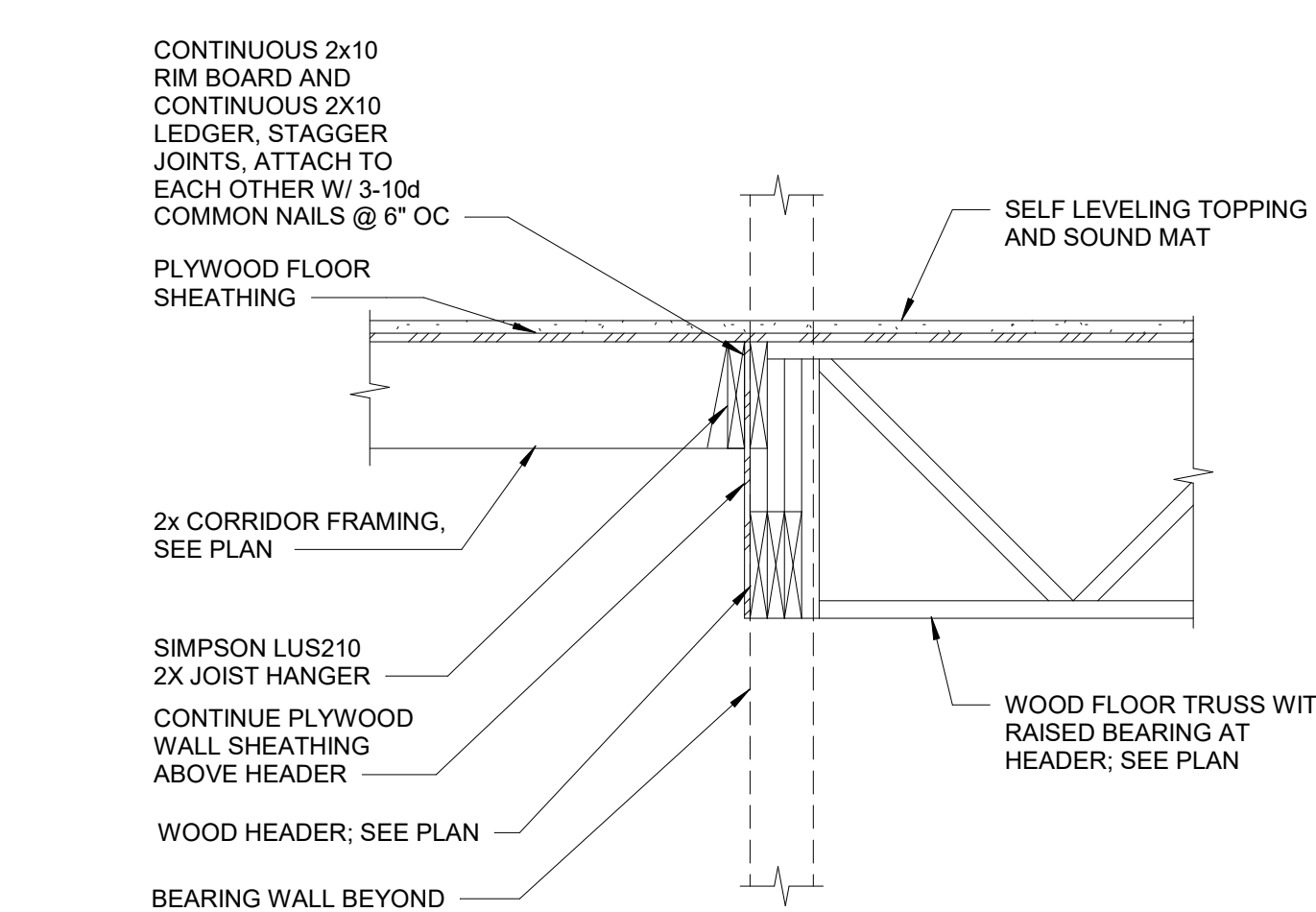
13 SECTION
S3.1 1" = 1'-0"



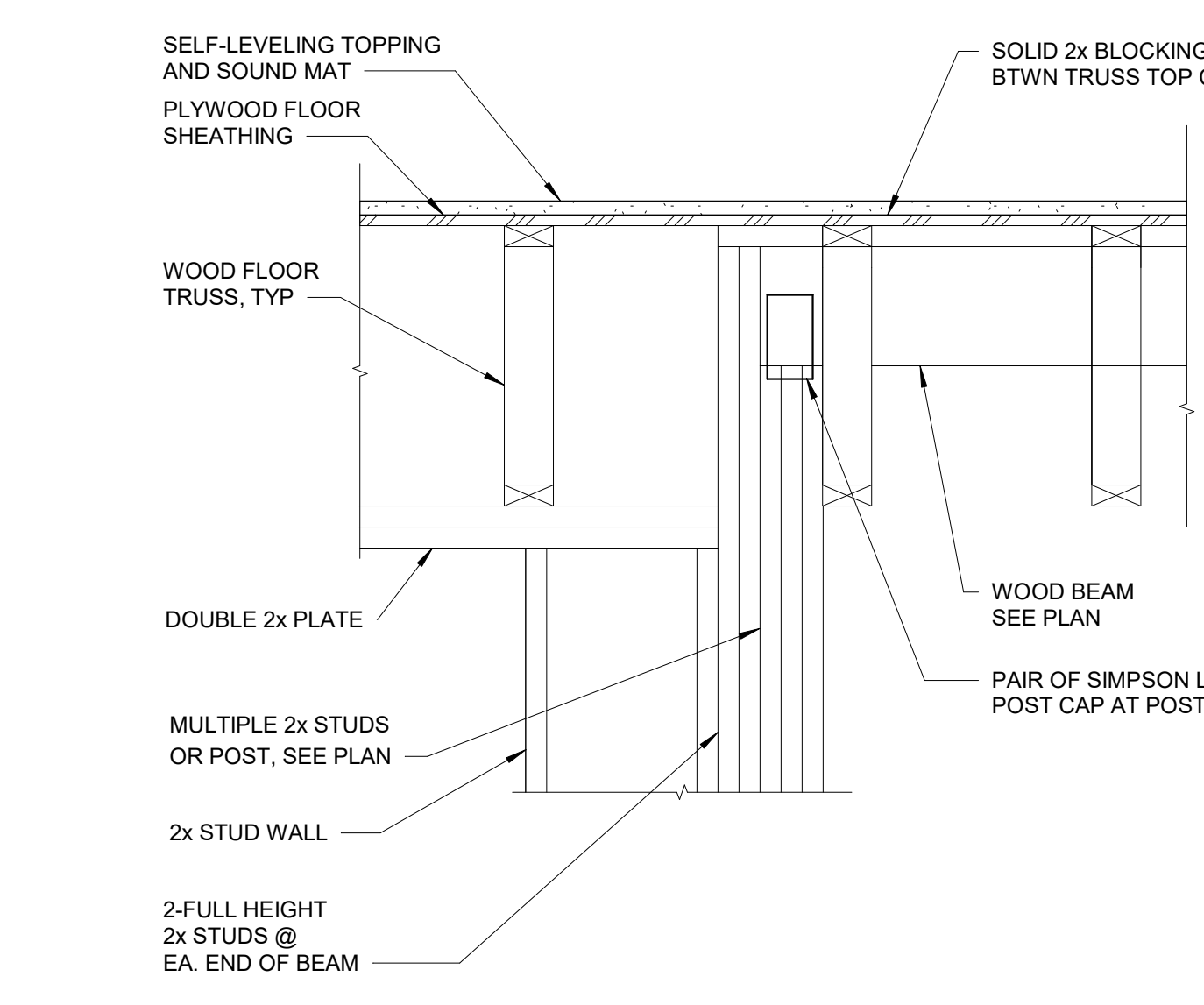
12 SECTION
S3.1 3/4" = 1'-0"



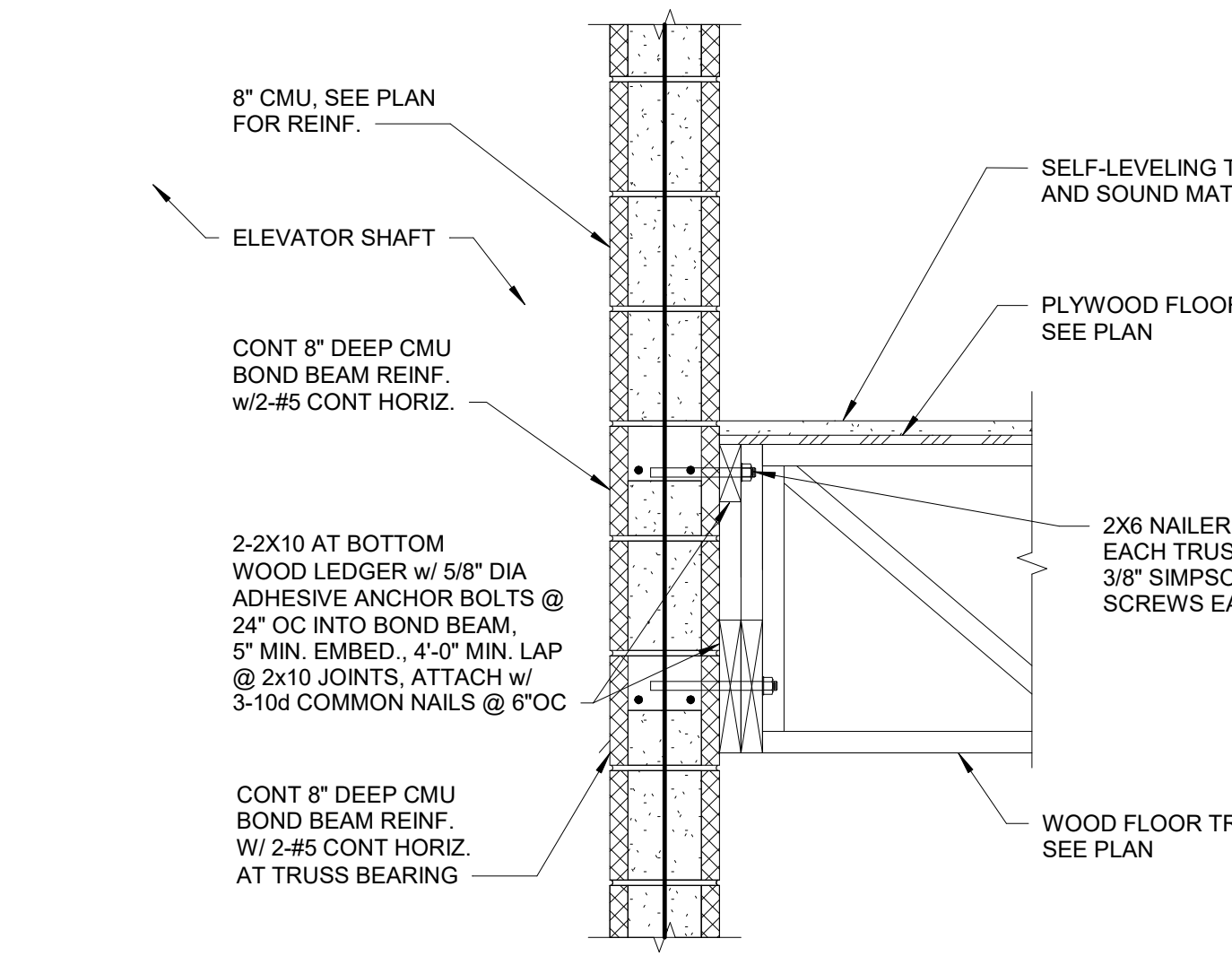
11 SECTION
S3.1 3/4" = 1'-0"



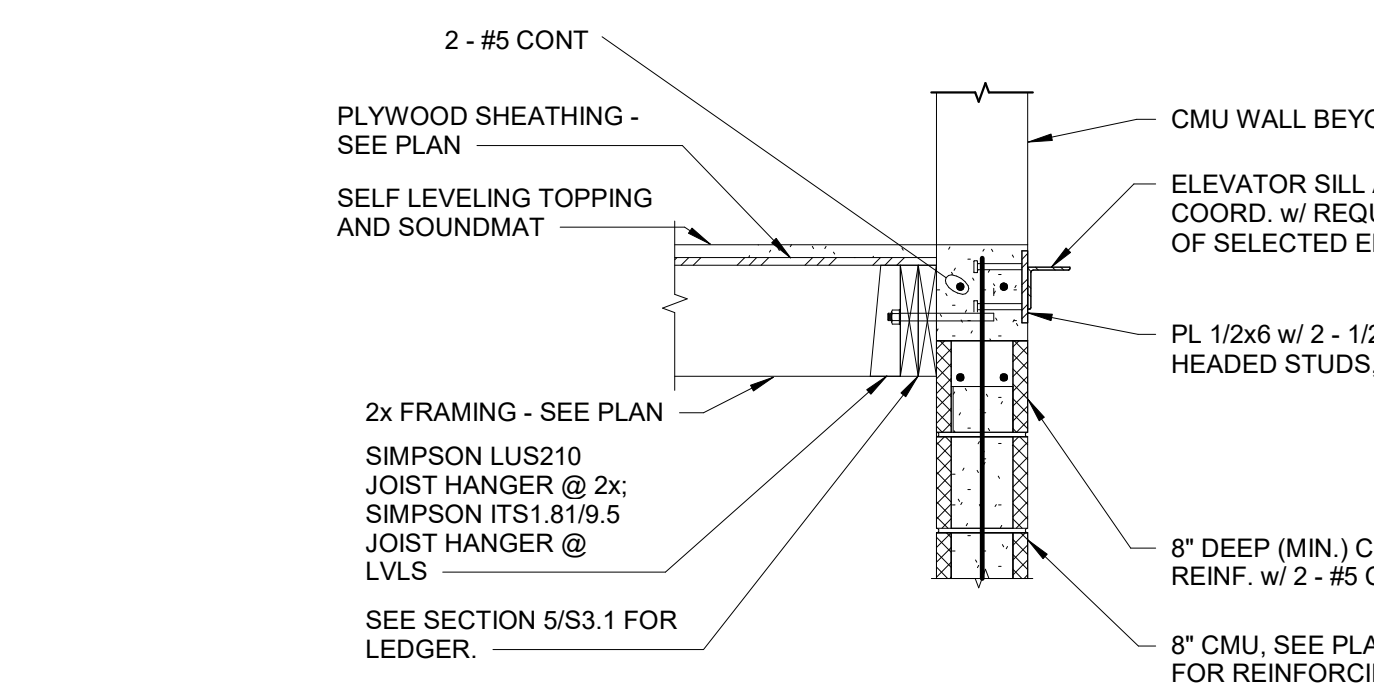
10 TYPICAL CORRIDOR WALL OPENING
S3.1 3/4" = 1'-0"



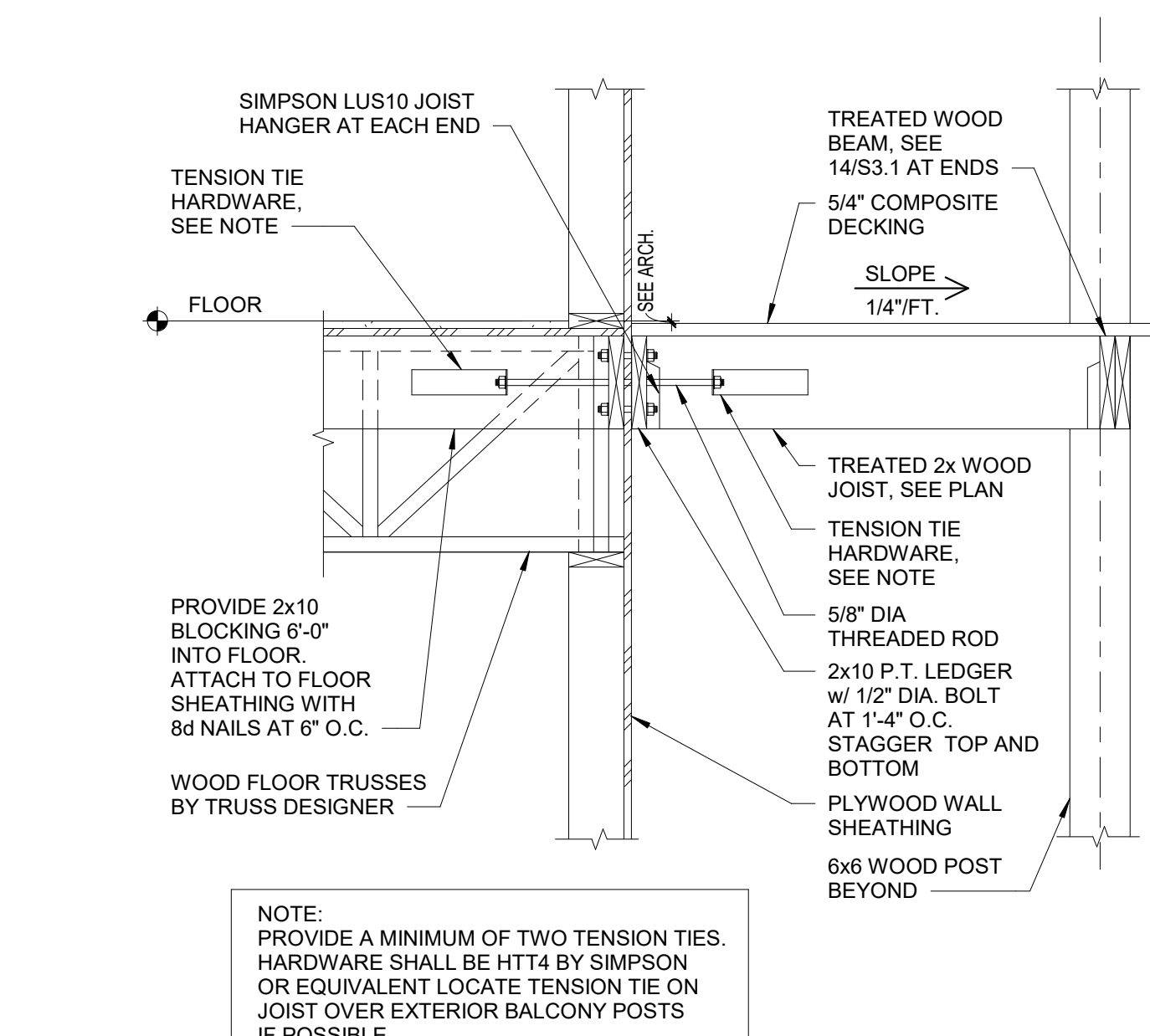
9 TYP BEAM BEARING
S3.1 1" = 1'-0"



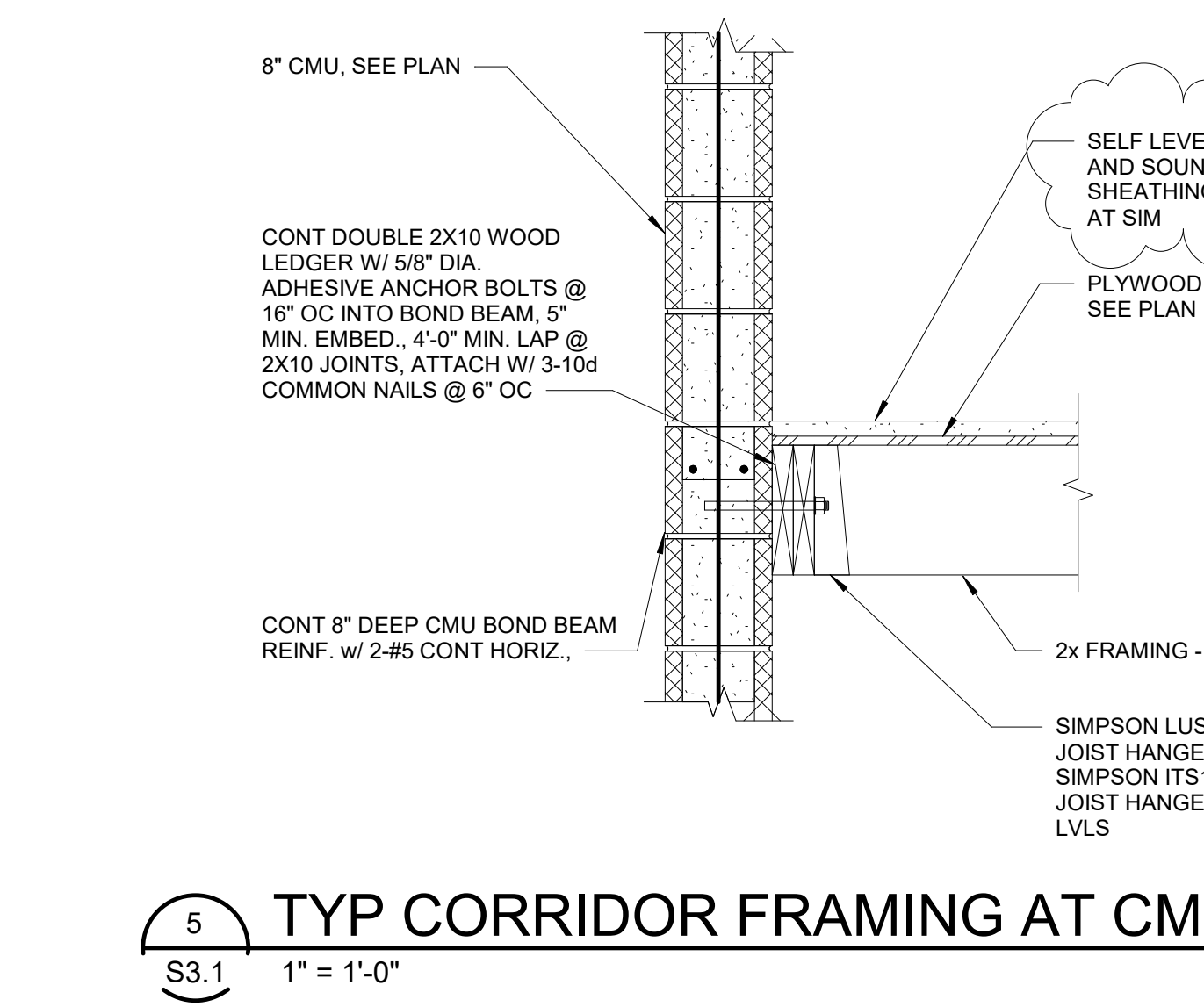
8 TYP TRUSS AT CMU WALL
S3.1 1" = 1'-0"



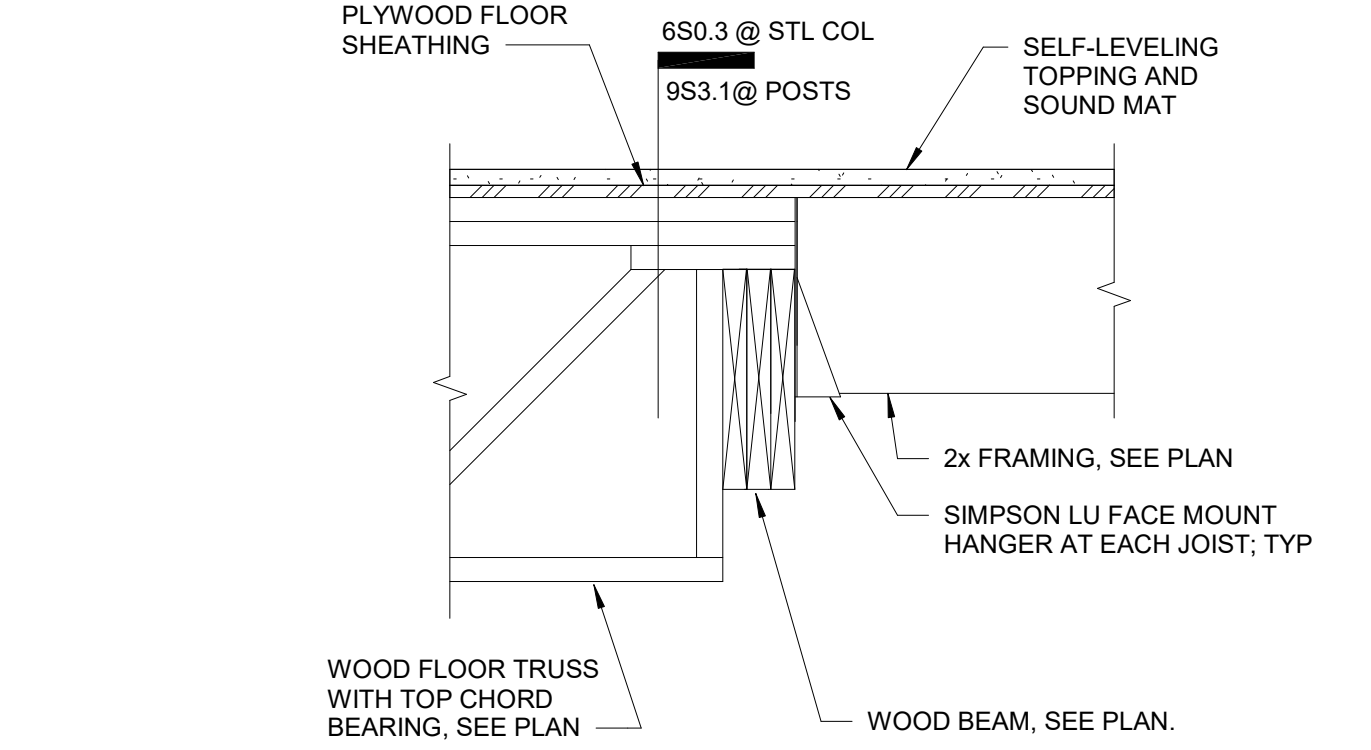
7 TYP ELEVATOR DOOR
S3.1 3/4" = 1'-0"



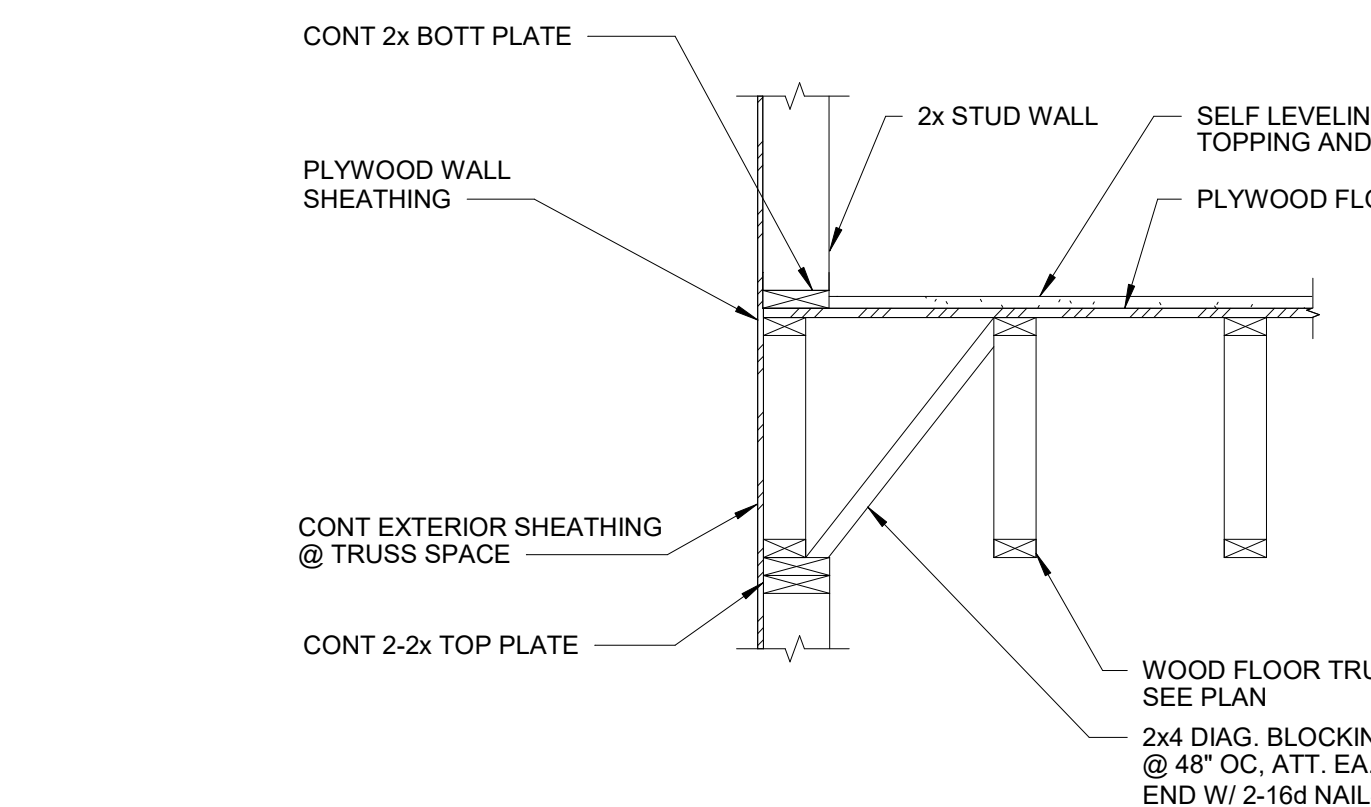
6 TYP BALCONY WALL
S3.1 3/4" = 1'-0"



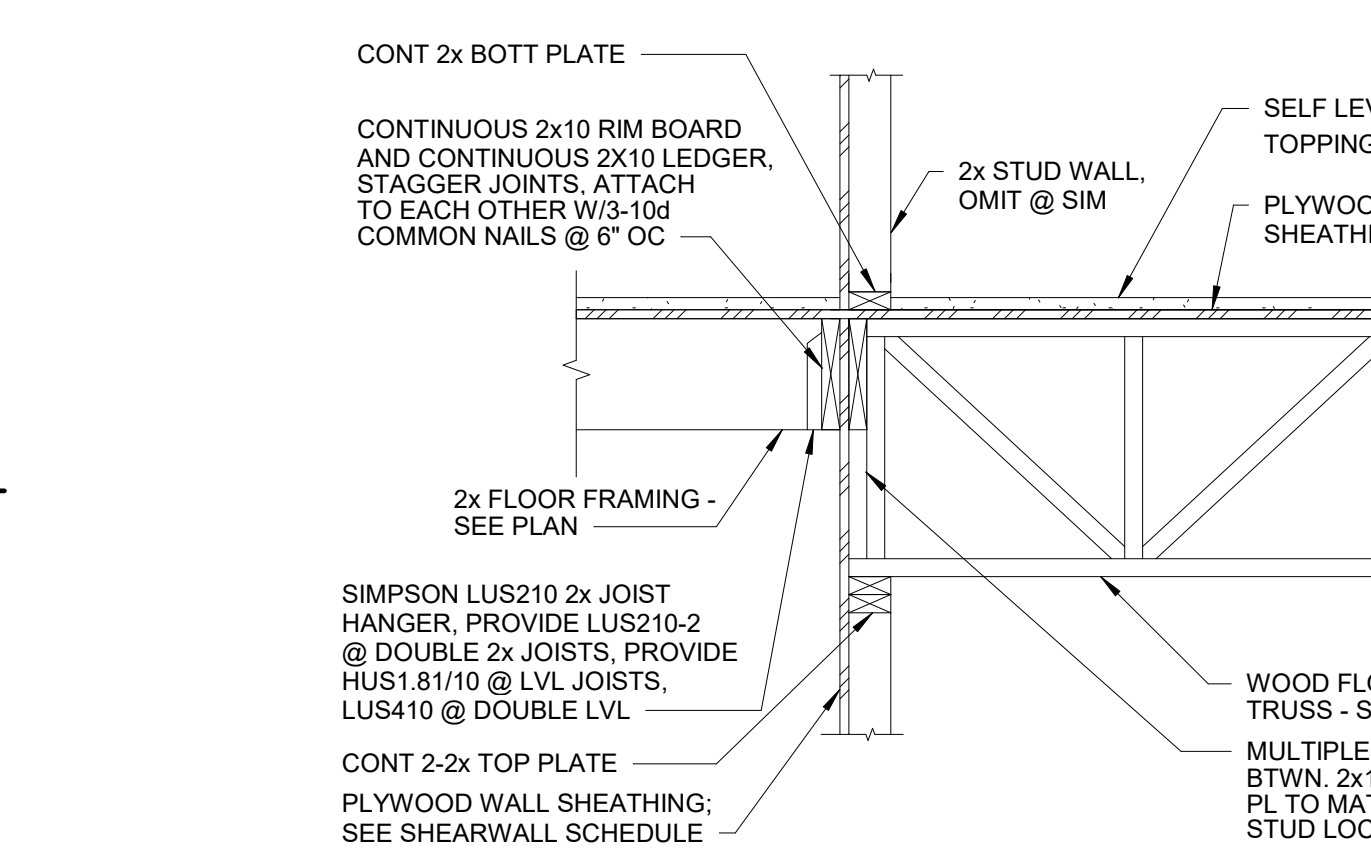
5 TYP CORRIDOR FRAMING AT CMU WALL
S3.1 1" = 1'-0"



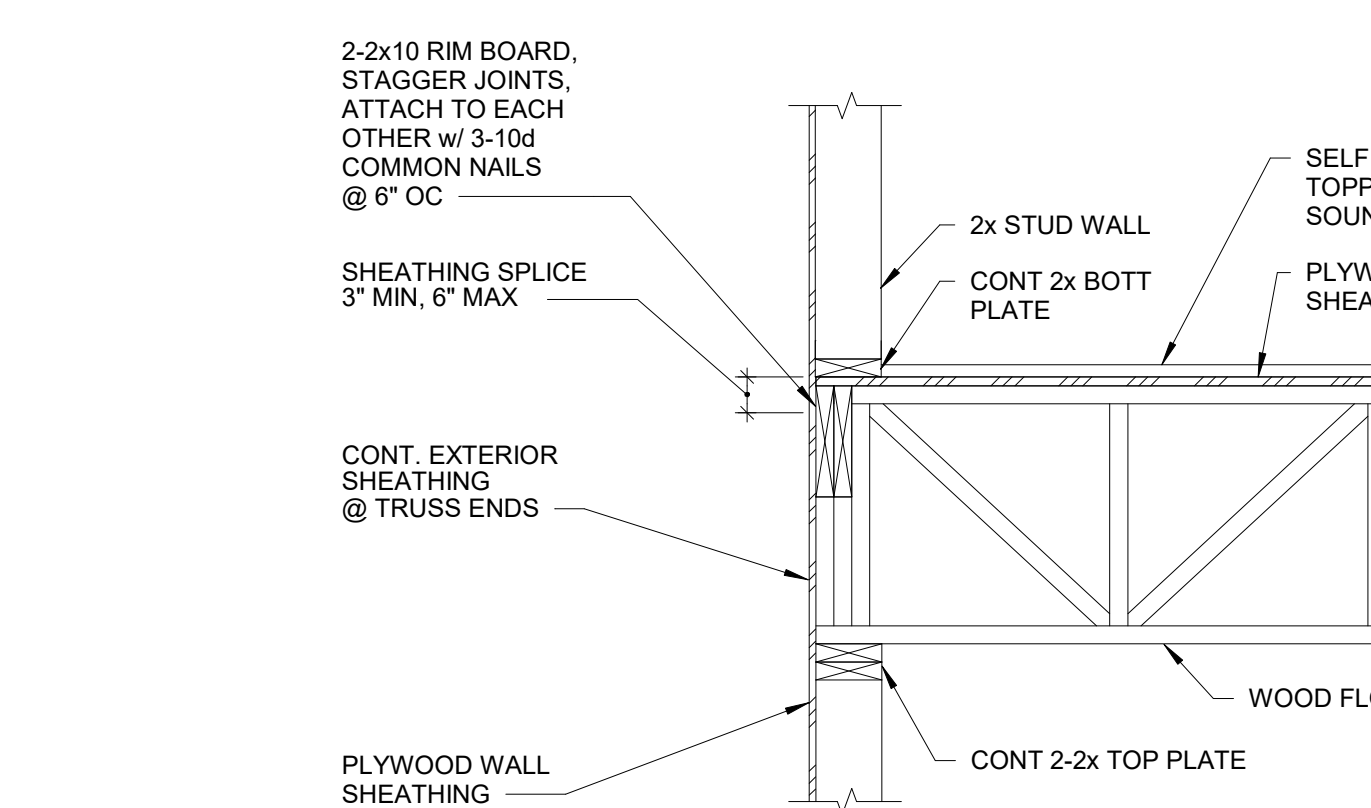
4 SECTION
S3.1 1" = 1'-0"



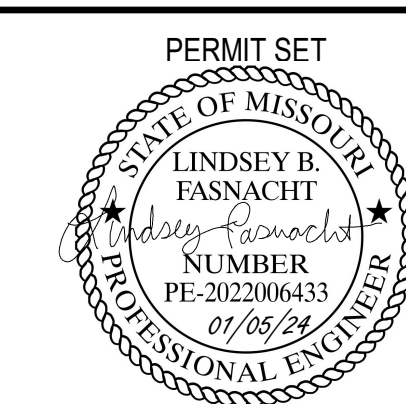
3 TYP TRUSS PARALLEL TO BRG WALL
S3.1 3/4" = 1'-0"



2 SECTION
S3.1 3/4" = 1'-0"



1 TYP TRUSS PERP TO BEARING WALL
S3.1 3/4" = 1'-0"



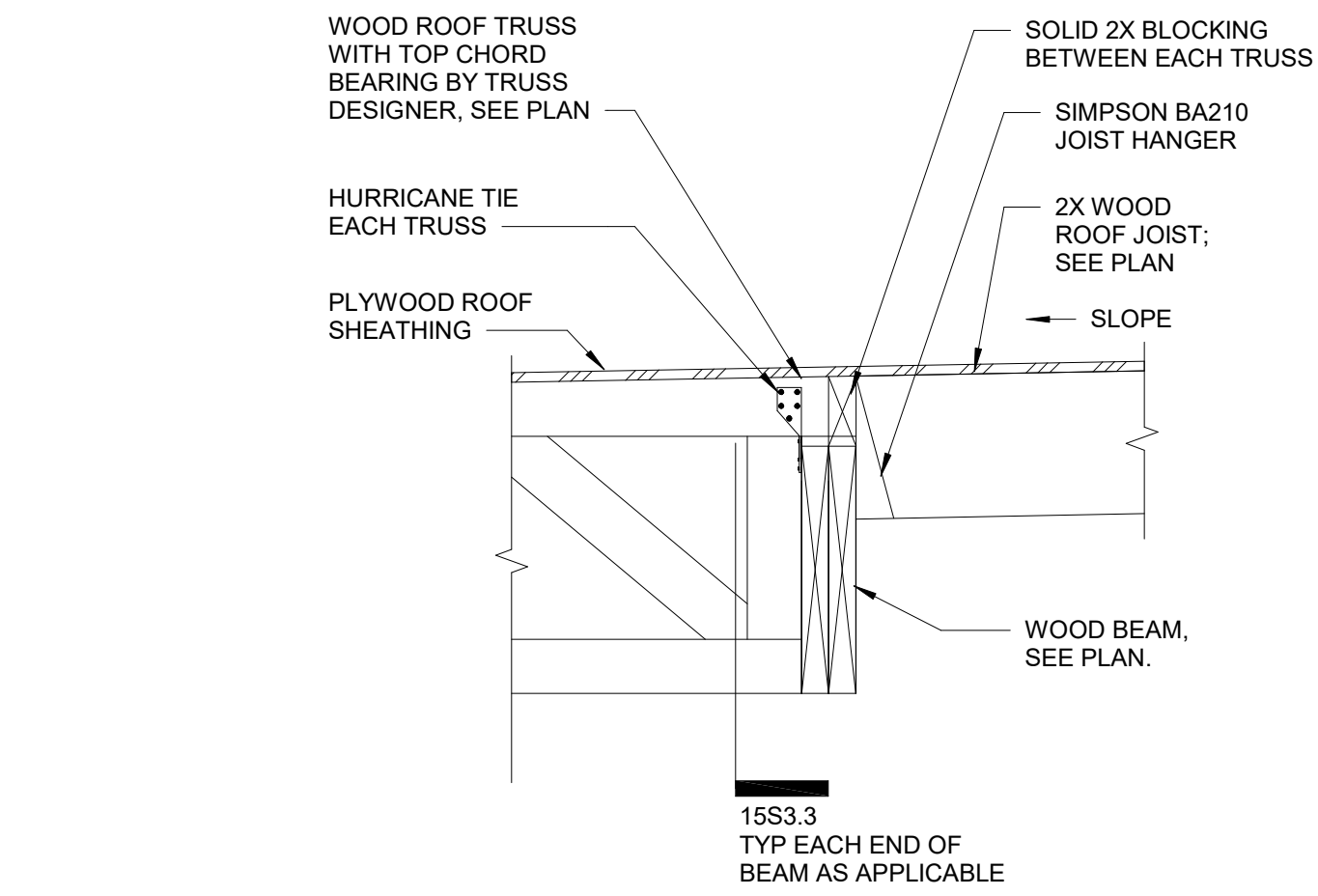
COURTYARDS - BUILDING E

SFC
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

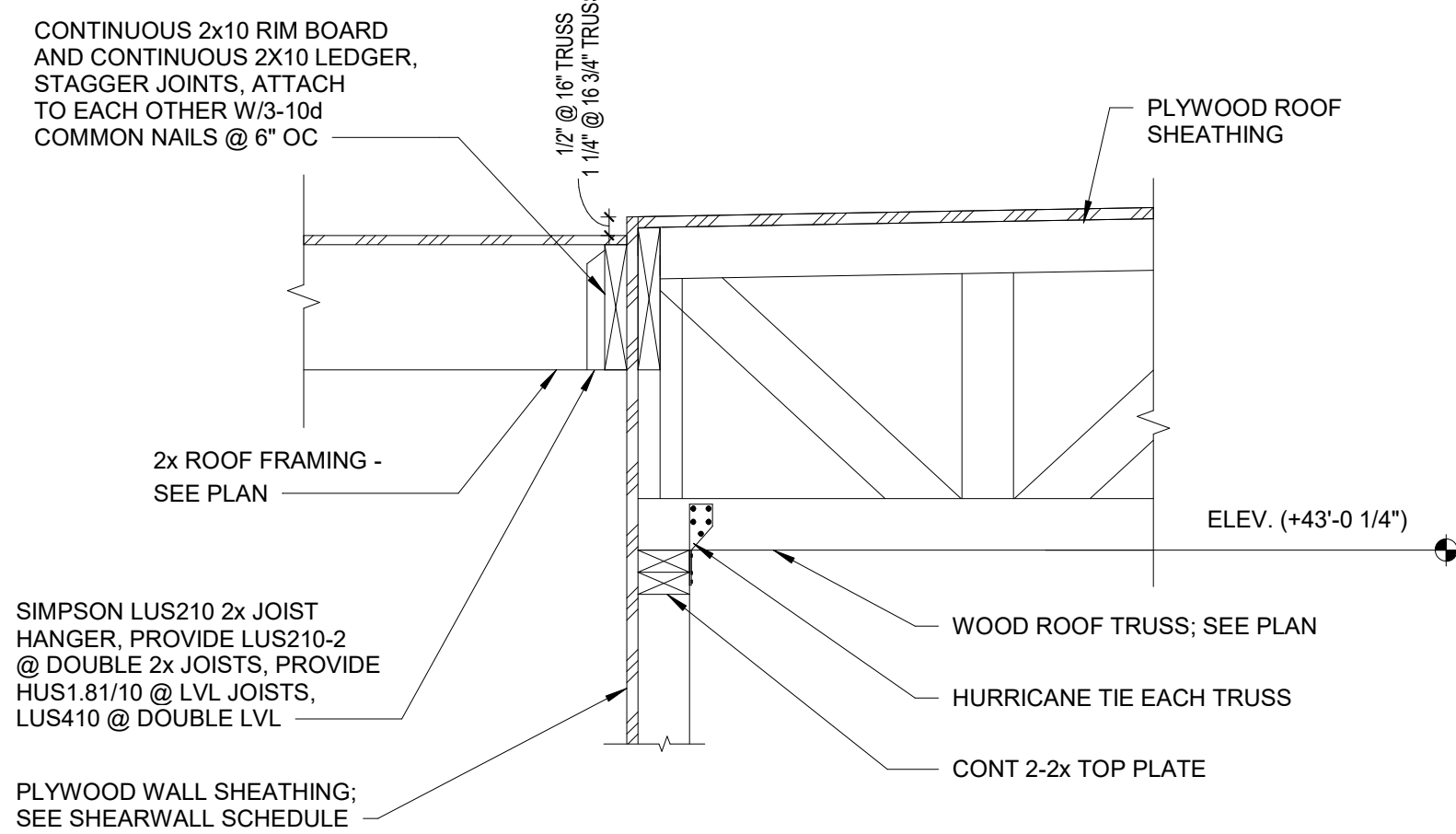
DESIGNER : DAS	DRAWN : BSW
ARCHITECT : DAS	CHECKED : BDT
ENGINEER : LBF	APPROVED : Approver
NO. 2	REVISION DESCRIPTION DATE
REV 1-PERMIT COMMENTS	2/15/24

DRAWING TITLE
FRAMING SECTIONS AND DETAILS

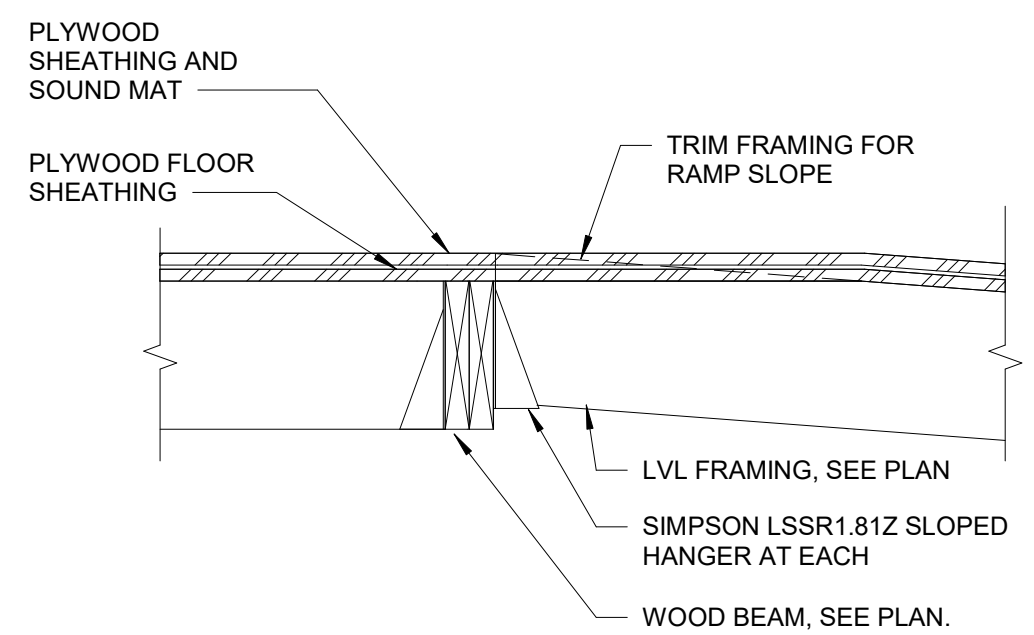
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	S3.1



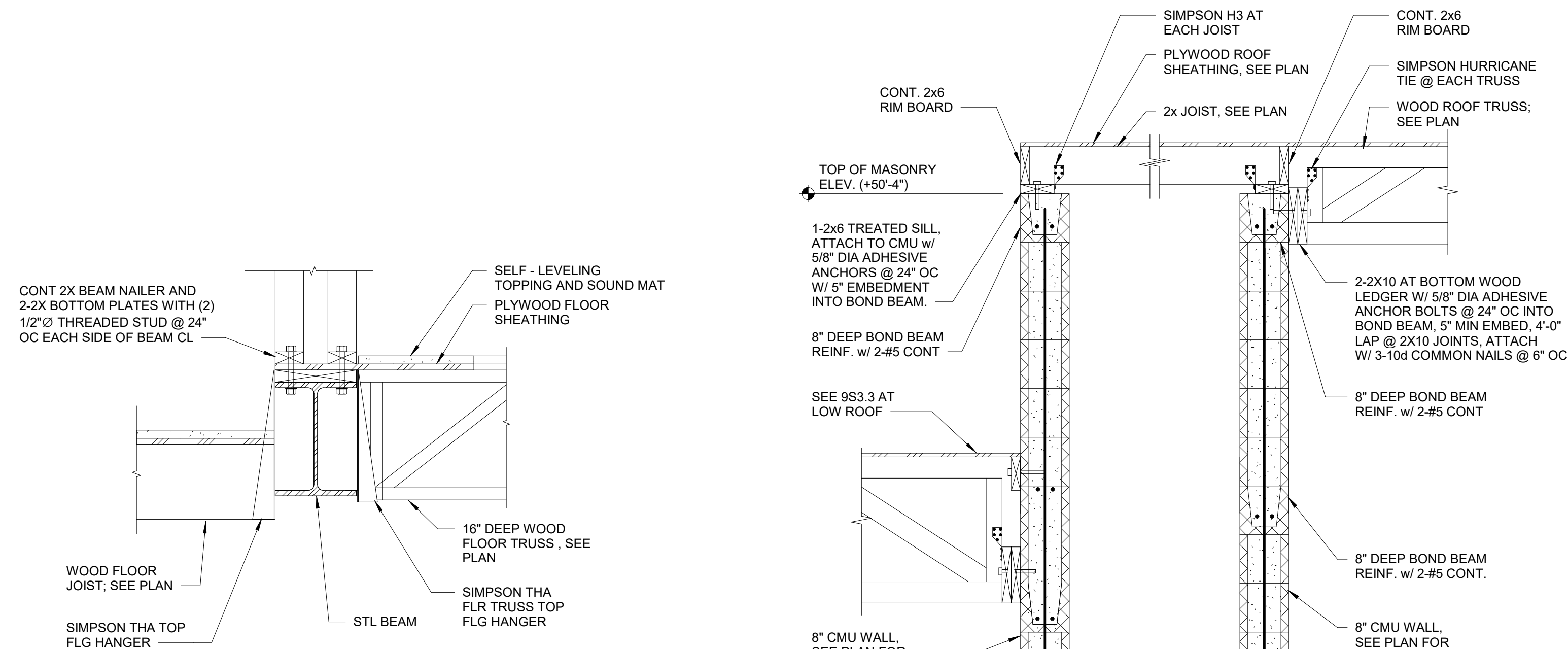
12 SECTION
S3.4 1" = 1'-0"



11 SECTION
S3.4 1" = 1'-0"

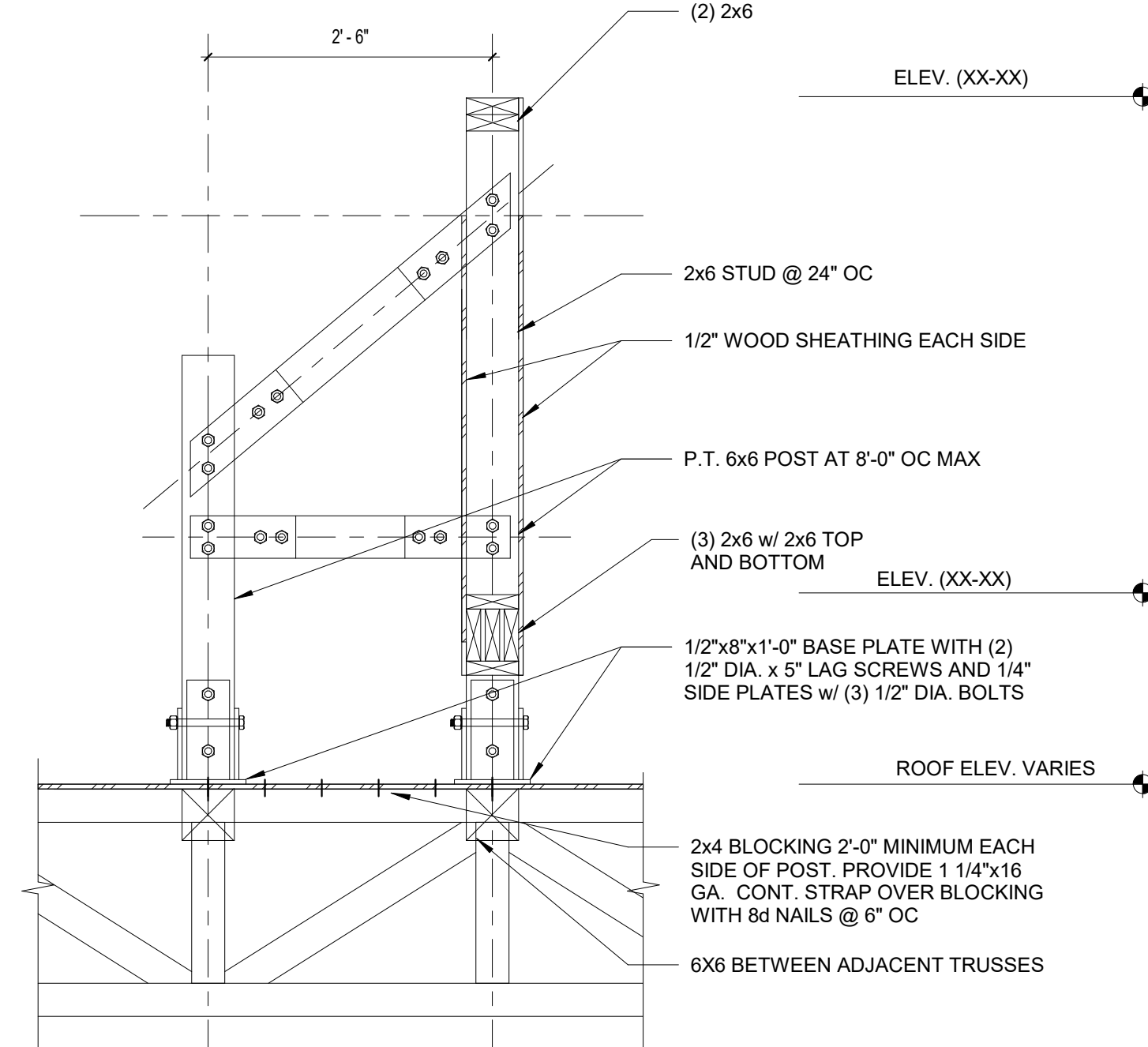


10 SECTION
S3.4 1" = 1'-0"



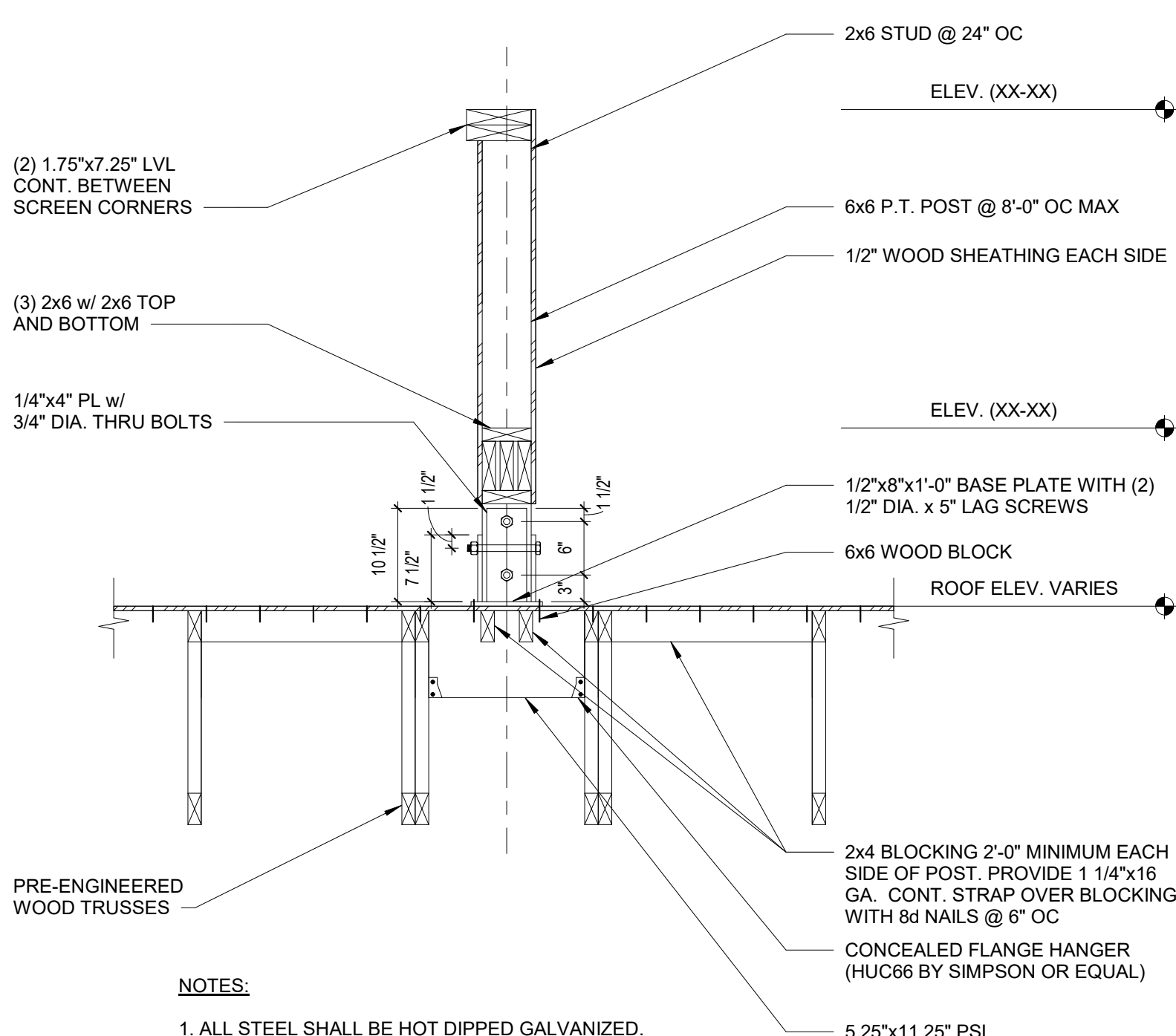
13 SECTION
S3.4 1" = 1'-0"

9 ELEVATOR #1 CAP SECTION
S3.4 3/4" = 1'-0"



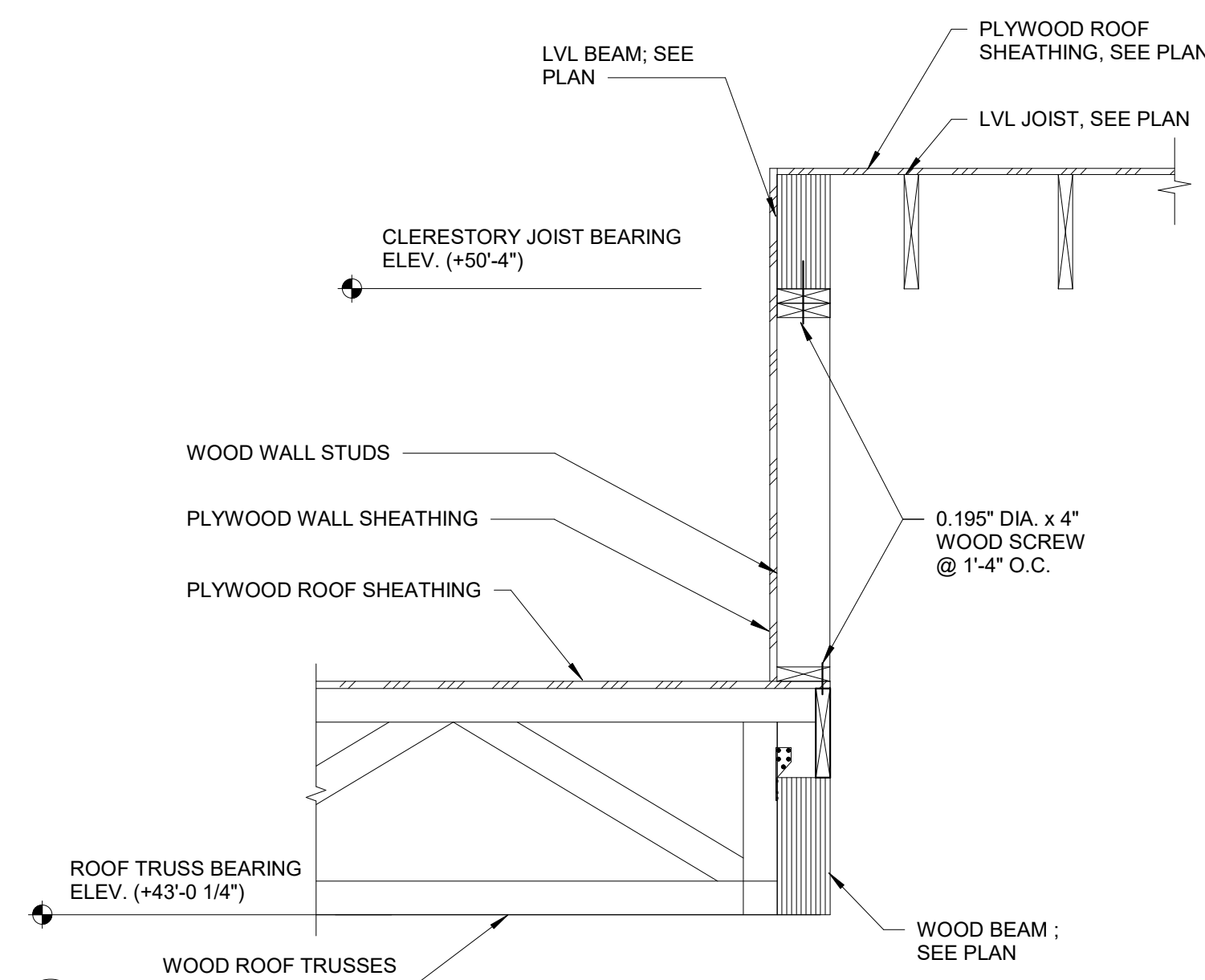
- NOTES:
1. ALL STEEL SHALL BE HOT DIPPED GALVANIZED.
 2. TRUSS SUPPLIER SHALL PROVIDE MINIMUM 2x6 VERTICAL WEB MEMBER AT POST SUPPORT CONNECTION. SIZE TRUSS FOR ADDITIONAL SERVICE LOAD OF 1600 LBS AND 1100 LBS NET SERVICE UPLIFT.

8 TYP SCREEN WALL PERPENDICULAR W/ TRUSS
S3.4 3/4" = 1'-0"

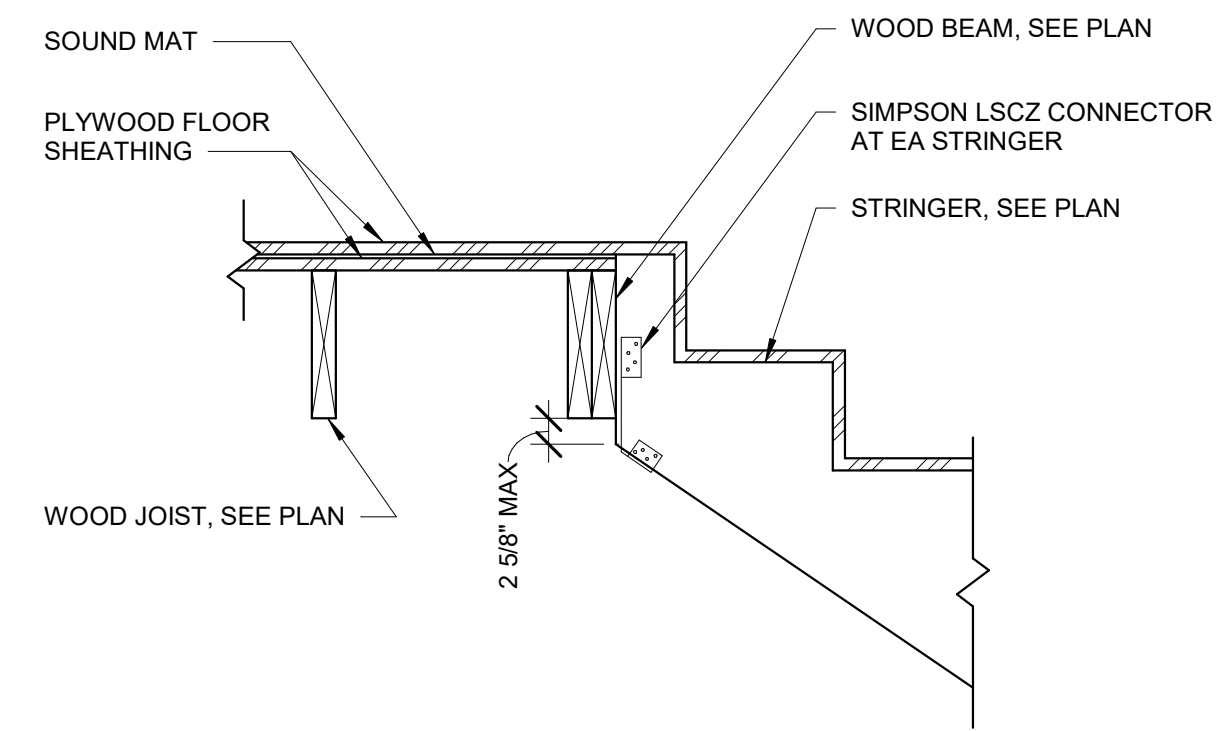


- NOTES:
1. ALL STEEL SHALL BE HOT DIPPED GALVANIZED.
 2. TRUSS SUPPLIER SHALL PROVIDE MINIMUM 2x6 VERTICAL WEB MEMBER AT POST SUPPORT CONNECTION. SIZE TRUSS FOR ADDITIONAL SERVICE LOAD OF 1600 LBS AND 1100 LBS NET SERVICE UPLIFT.

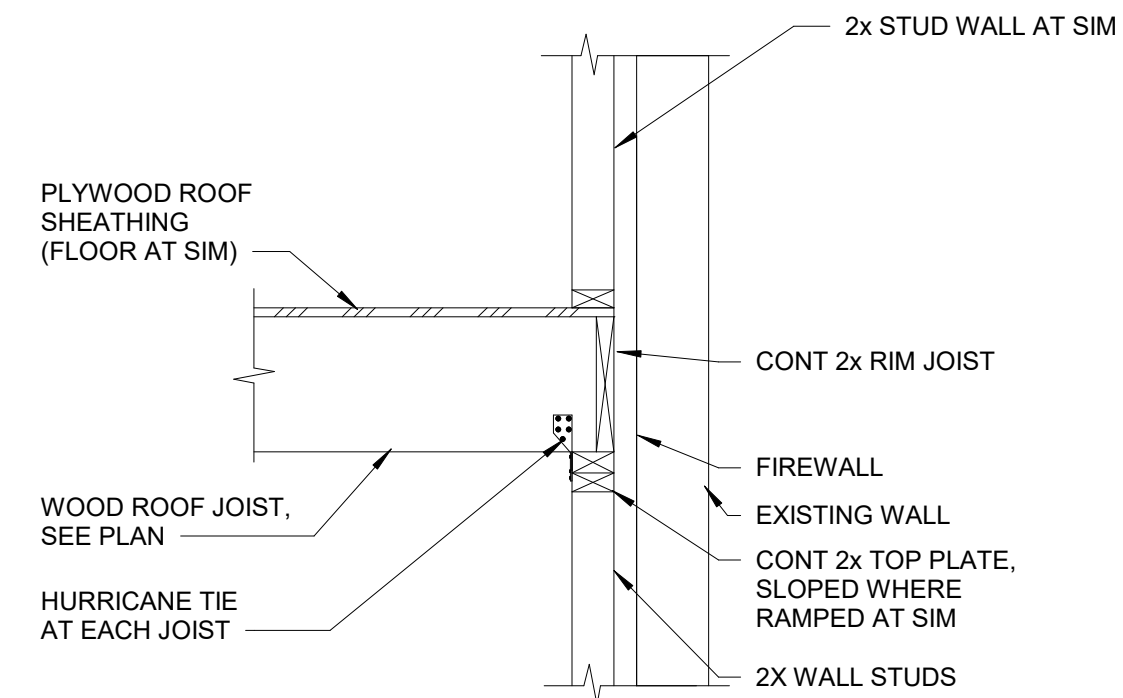
7 TYP SCREEN WALL PARALLEL W/ TRUSS
S3.4 3/4" = 1'-0"



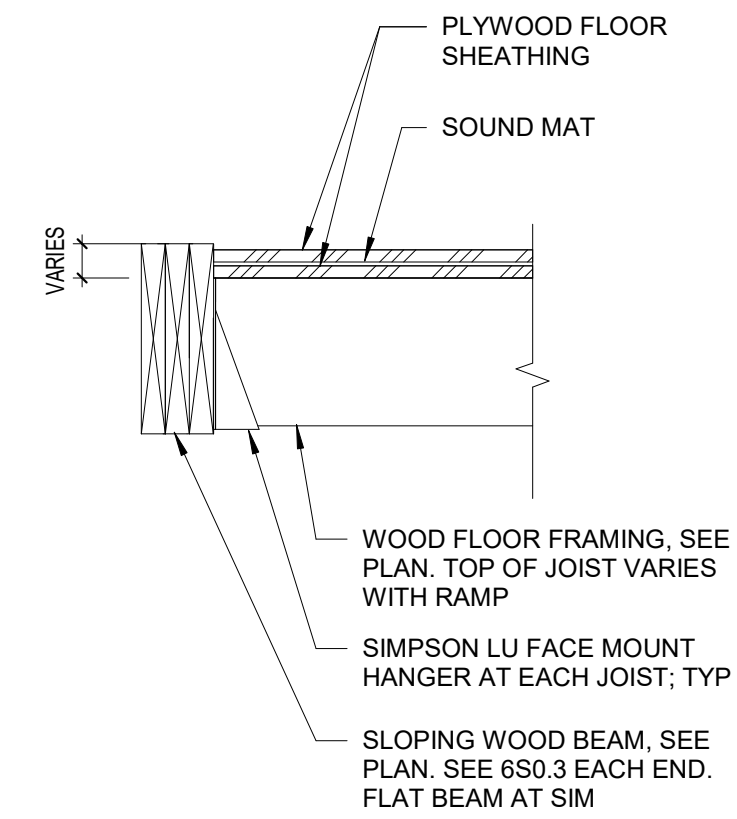
6 SECTION
S3.4 3/4" = 1'-0"



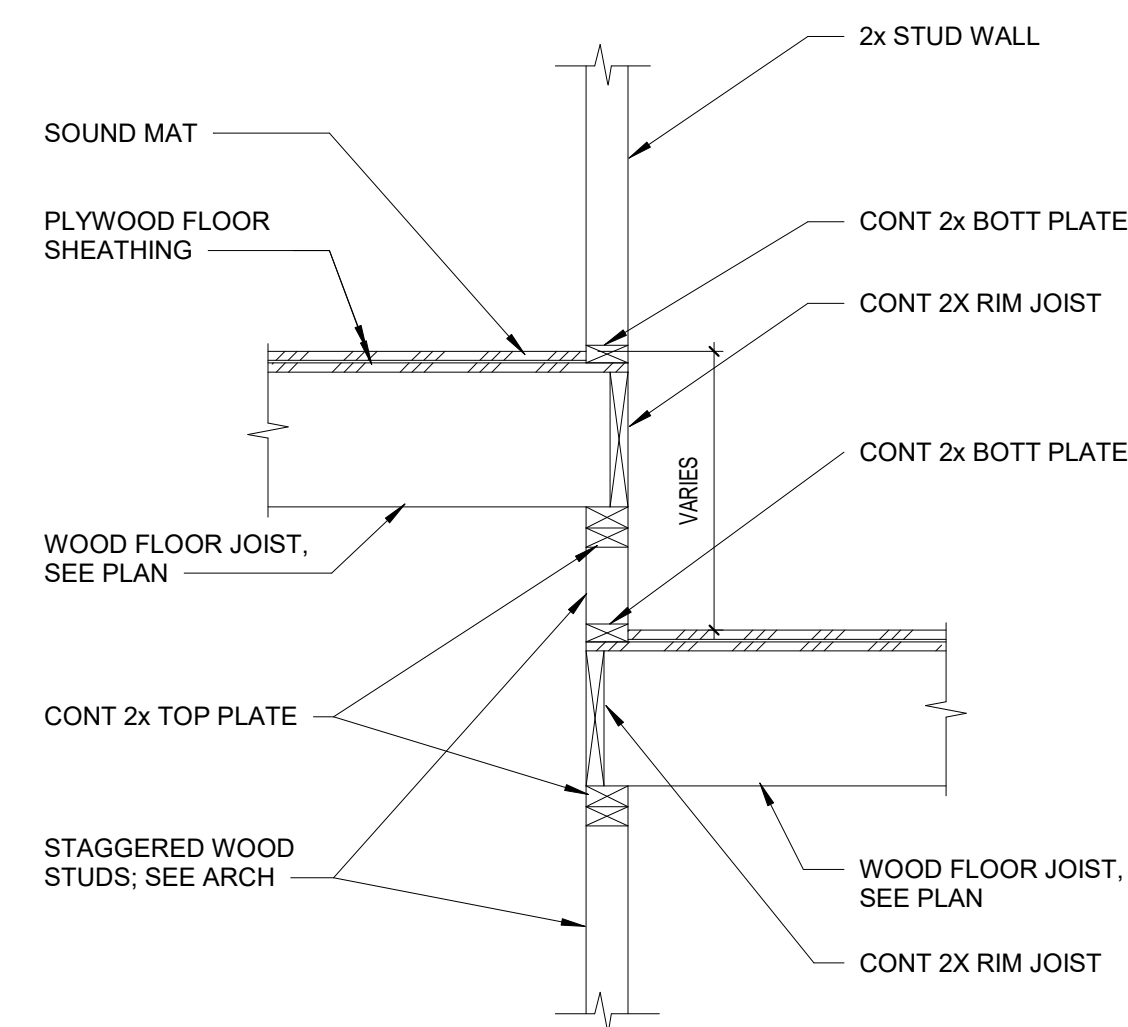
5 SECTION AT STAIR
S3.4 1" = 1'-0"



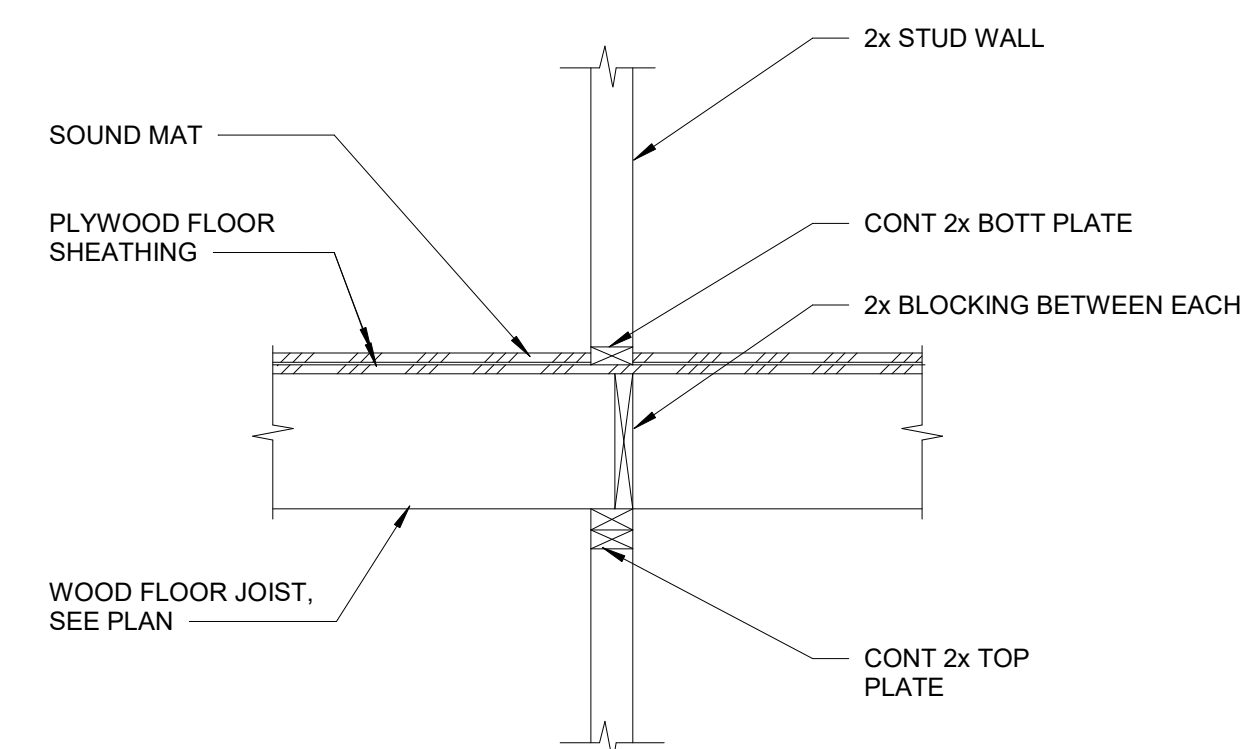
4 SECTION
S3.4 3/4" = 1'-0"



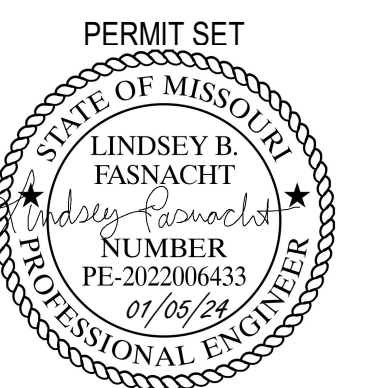
3 SECTION
S3.4 1" = 1'-0"



2 SECTION
S3.4 3/4" = 1'-0"



1 SECTION
S3.4 3/4" = 1'-0"



PROJECT TITLE

John Knox Village

COURTYARDS - BUILDING E

SFC Architecture
Engineering
Planning
Interiors

SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : BSW
ARCHITECT : DAS	CHECKED : BDT
ENGINEER : LBF	APPROVED : Approver
NO. 2	REVISION DESCRIPTION DATE
REV 1-	PERMIT COMMENTS 2/15/24

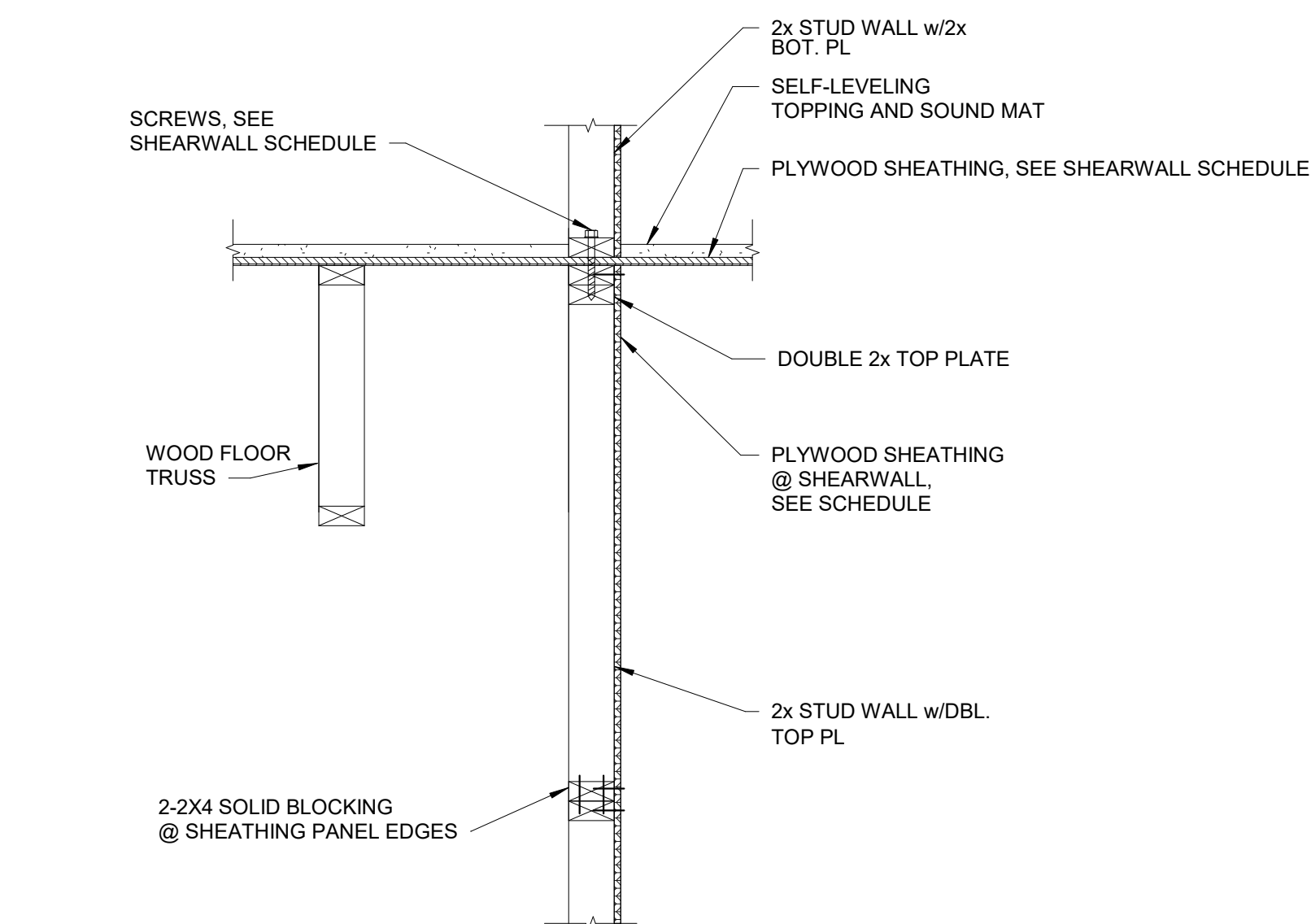
DRAWING TITLE

FRAMING SECTIONS AND DETAILS

DATE: January 5, 2024
COM. NO. 23104.00

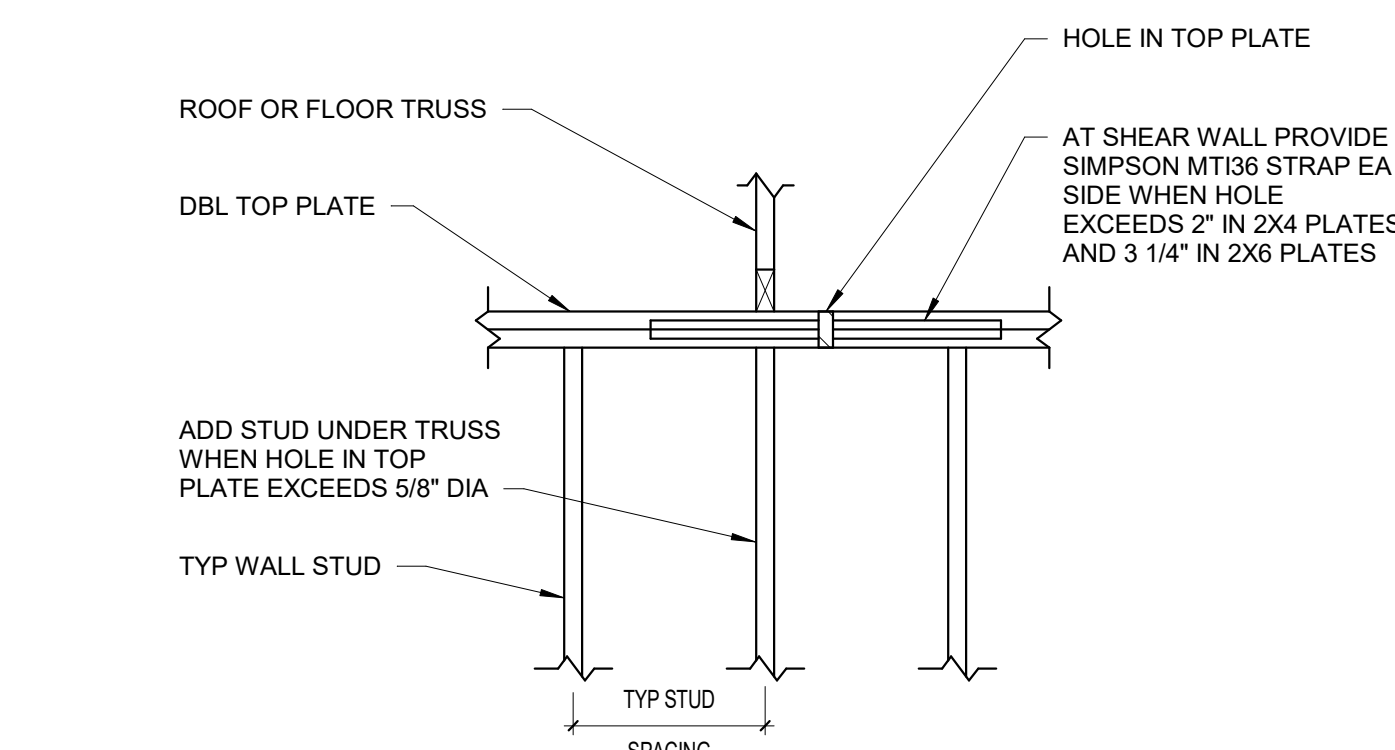
DRAWING

S3.4



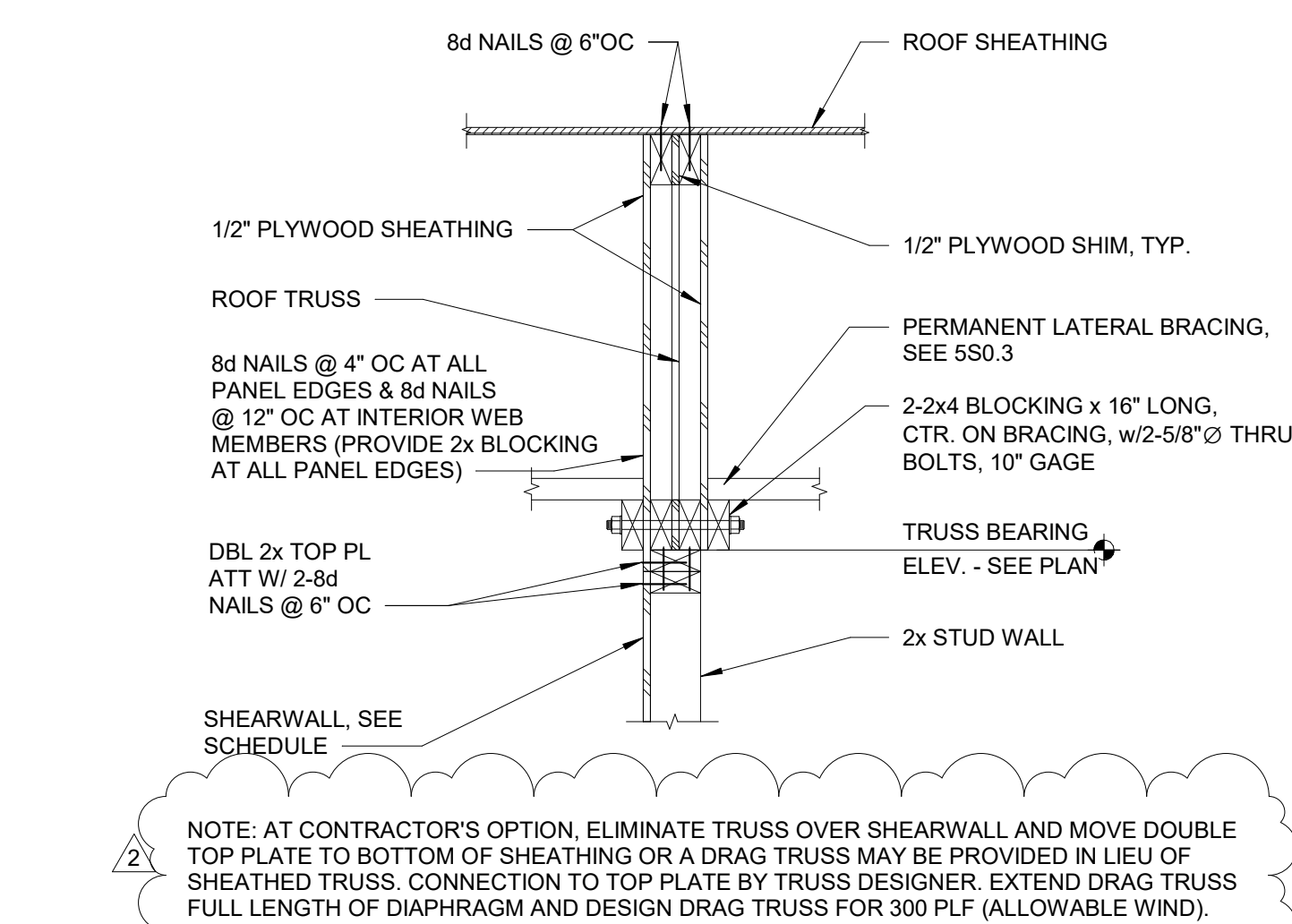
6
S4.1
1" = 1'-0"

TYP SHEARWALL PARALLEL TO FLOOR TRUSS



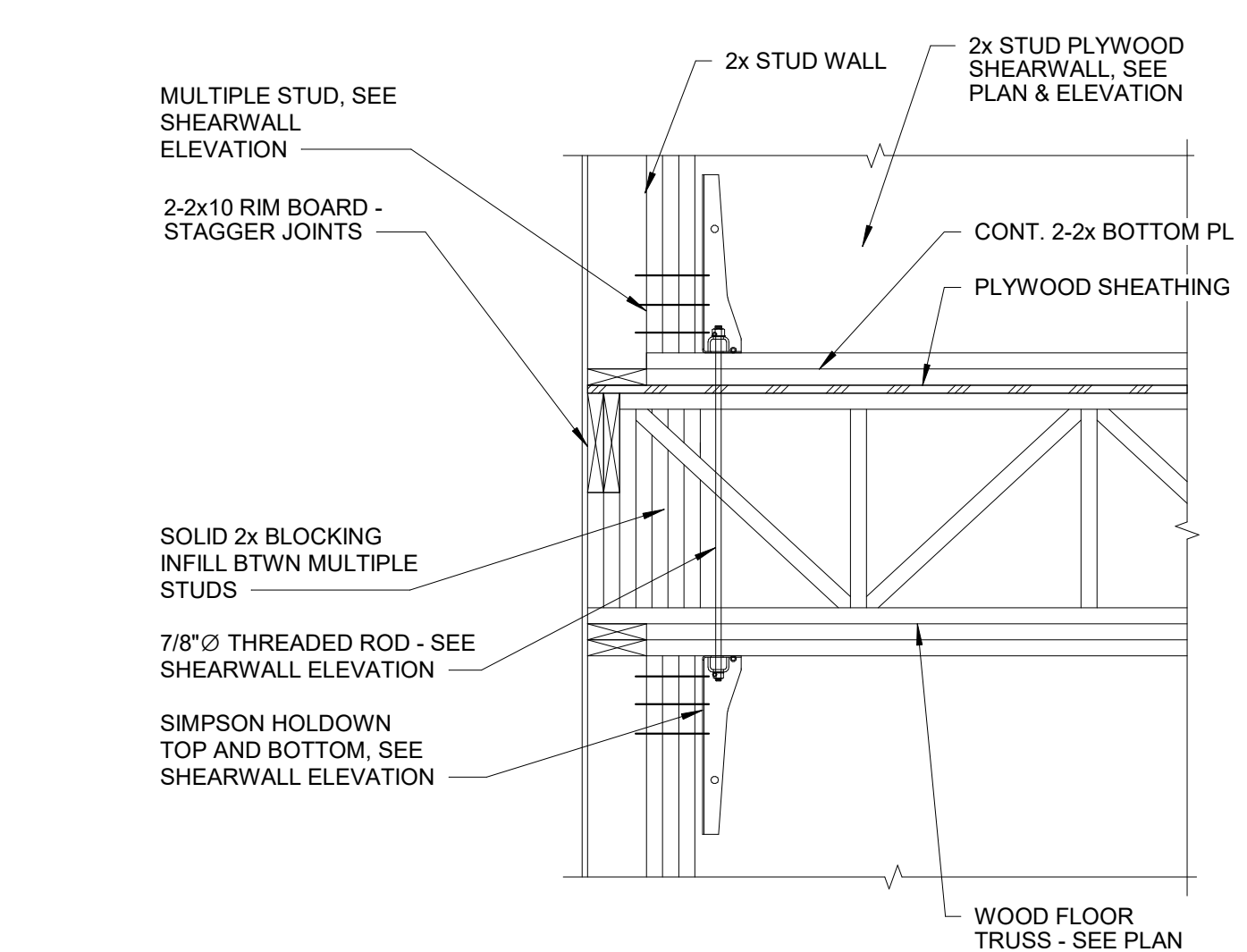
3
S4.1
3/4" = 1'-0"

TYPICAL TOP & BOTT PLATE PENETRATION IN SHEARWALL



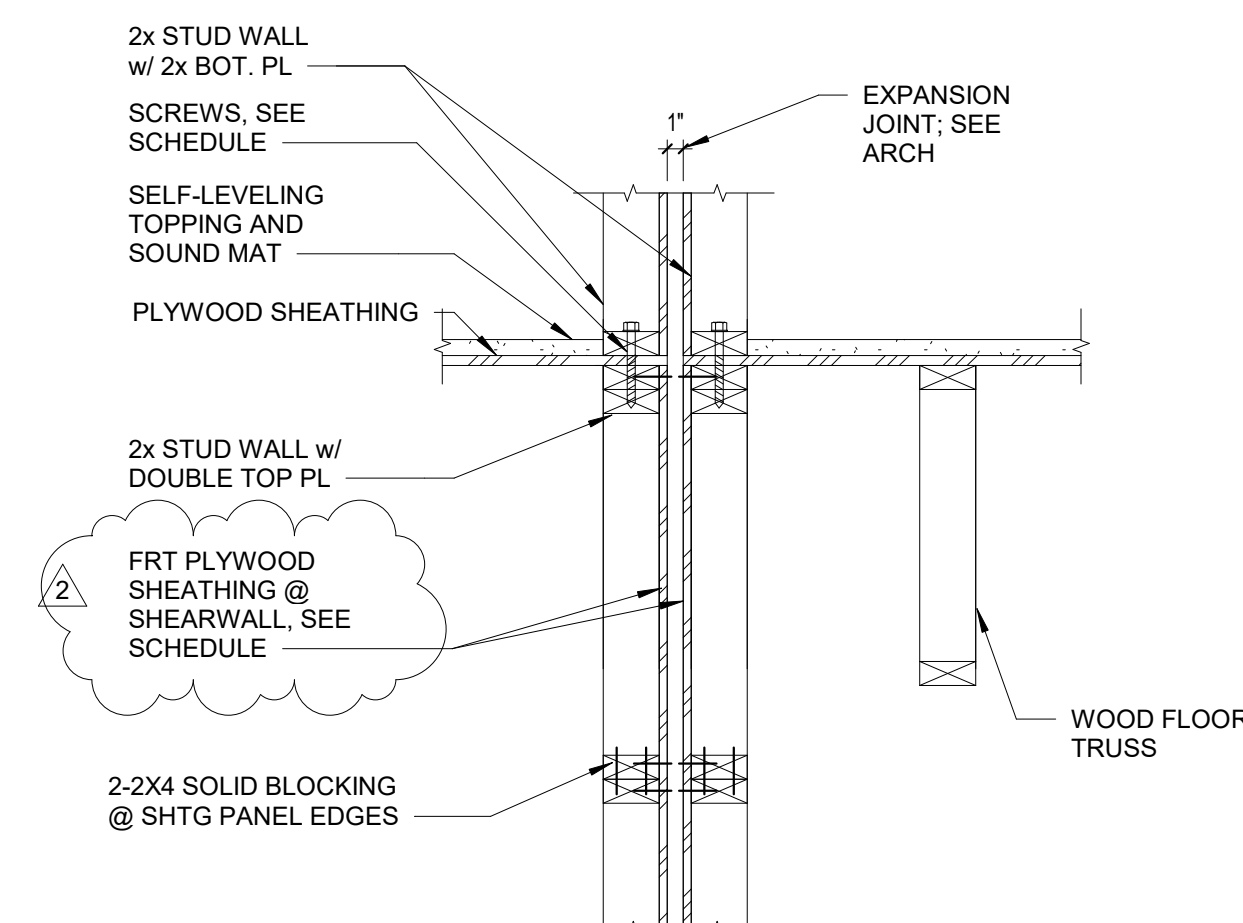
5
S4.1
1" = 1'-0"

TYP SHEARWALL PARALLEL TO ROOF TRUSS



2
S4.1
3/4" = 1'-0"

TYP HOLDOWN BETWEEN FLOORS



7
S4.1
1" = 1'-0"

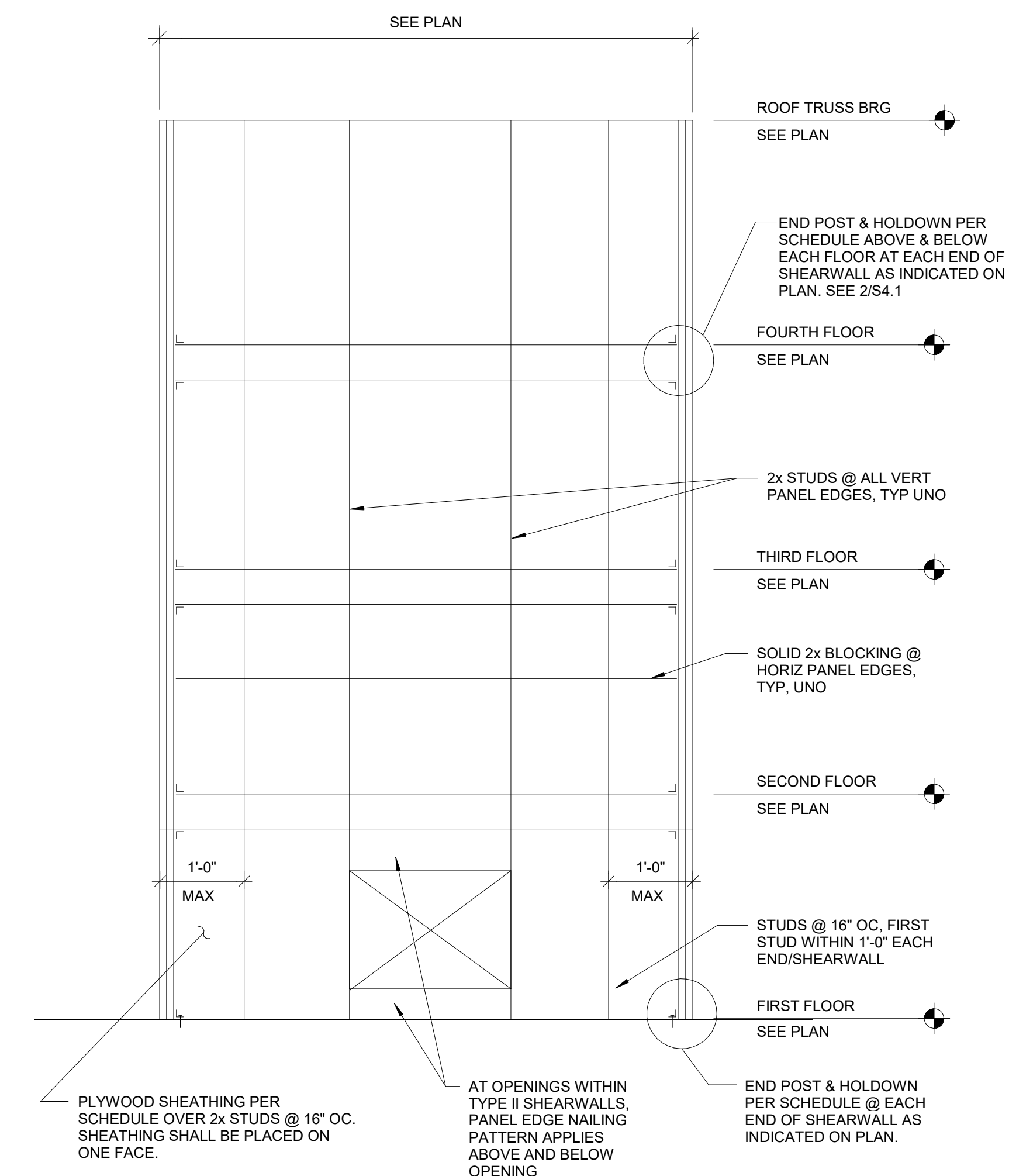
TYP SHEARWALL PARALLEL TO EJ

SHEARWALL SCHEDULE					
	SW1	SW2	SW3	SW4	SW5
PLYWOOD SHEATHING ²	3/8" 24/0 SPAN RATING	3/8" 24/0 SPAN RATING	3/8" 24/0 SPAN RATING	15/32" 32/16 SPAN RATING	15/32" 32/16 SPAN RATING
WALL TYPE	UNBLOCKED, TYPE II	TYPE I	TYPE I	TYPE II	TYPE I
NAILING AT PANEL EDGES ¹	8d @ 6" OC	8d @ 4" OC	8d @ 4" OC	10d @ 4" OC	10d @ 4" OC
ASD ALLOWABLE UNIT SHEAR CAPACITY ³	283 PLF	412 PLF	412 PLF	594 PLF	594 PLF
SILL PLATE CONNECTION @ 2ND & 3RD FLOOR ⁴	1/4 DIA X 6" LAG SCREW @ 16" OC	1/4 DIA X 6" LAG SCREW @ 8" OC	1/4 DIA X 6" LAG SCREW @ 8" OC	3/8 DIA X 6" LAG SCREW @ 8" OC	3/8 DIA X 6" LAG SCREW @ 8" OC
SILL PLATE CONNECTION @ 4TH FLOOR ⁴	1/4 DIA X 6" LAG SCREW @ 32" OC	1/4 DIA X 6" LAG SCREW @ 16" OC	1/4 DIA X 6" LAG SCREW @ 16" OC	1/4 DIA X 6" LAG SCREW @ 8" OC	1/4 DIA X 6" LAG SCREW @ 16" OC
ANCHOR BOLTS ⁴	1/2" DIA @ 32" OC	1/2" DIA @ 16" OC	1/2" DIA @ 16" OC	1/2" DIA @ 16" OC	1/2" DIA @ 16" OC
POST & HDU @ 1ST FLOOR ⁵	(3)-2X6	(3)-2X6 W/ HDU8	2-(3)-2X4, 12" APART, W/ HDU8	(3)-2X6 W/ HDU14	2-(3)-2X6 W/ HDU8, 12" APART
POST & HDU @ 2ND FLOOR ⁵	(3)-2X6	(3)-2X6 W/ HDU8	2-(3)-2X4, 12" APART, W/ HDU8	(3)-2X6 W/ HDU8	(3)-2X6 W/ HDU8
POST & HDU @ REMAINING FLOORS ⁵	(3)-2X6	(3)-2X6 W/ HDU8	(3)-2X4 W/ HDU8	(3)-2X6 W/ HDU8	(3)-2X6 W/ HDU8

2. PROVIDE FRT SHEATHING AT FIREWALLS. SEE ARCH FOR FIREWALL LOCATIONS.
1. NAILING PATTERN INDICATES SIZE AND SPACING AT PANEL EDGES, TOP PLATE, SILL PLATE, AND RIM BOARDS. PROVIDE 12" OC SPACING AT INTERMEDIATE FRAMING. USE 8d OR 10d COMMON NAILS BASED ON SCHEDULE WITH 1 3/8" (8d) OR 1 1/2" (10d) PENETRATION IN FRAMING MEMBER OR BLOCKING.
3. ALLOWABLE UNIT SHEAR CAPACITY FOR WIND. DOES NOT INCLUDE ADJUSTMENT FACTORS.
4. MAINTAIN 3/8" MINIMUM EDGE DISTANCES.
5. PROVIDE 7" EMBEDMENT AND PLATE WASHERS NOT LESS THAN 0.225" x 3" x 3". THE PLATE WASHER SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE BOTTOM PLATE ON THE SIDE WITH SHEATHING.
6. BASIS OF DESIGN ARE SIMPSON HDU. PROVIDE 7/8" DIA ANCHOR ROD WITH 20" EMBEDMENT AT HDU8 AND 1" DIA ANCHOR ROD WITH 22" EMBEDMENT AT HDU14.

4
S4.1
N.T.S.

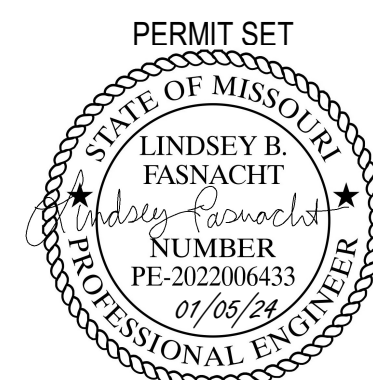
SHEARWALL SCHEDULE



TYPICAL SHEARWALL ELEVATION

1
S4.1
3/16" = 1'-0"

SHEARWALL ELEVATION



PROJECT TITLE



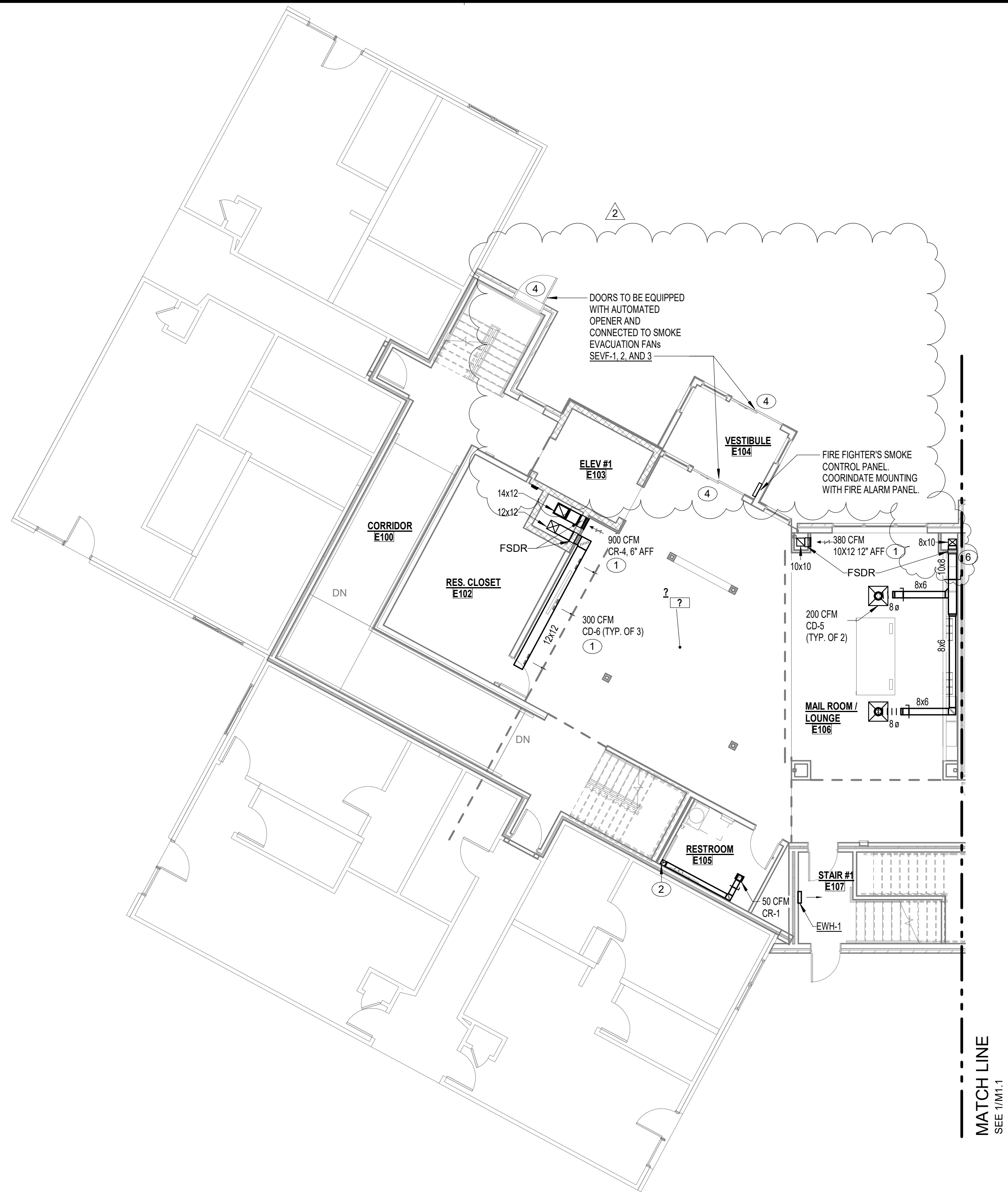
John Knox Village
COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcsc.com

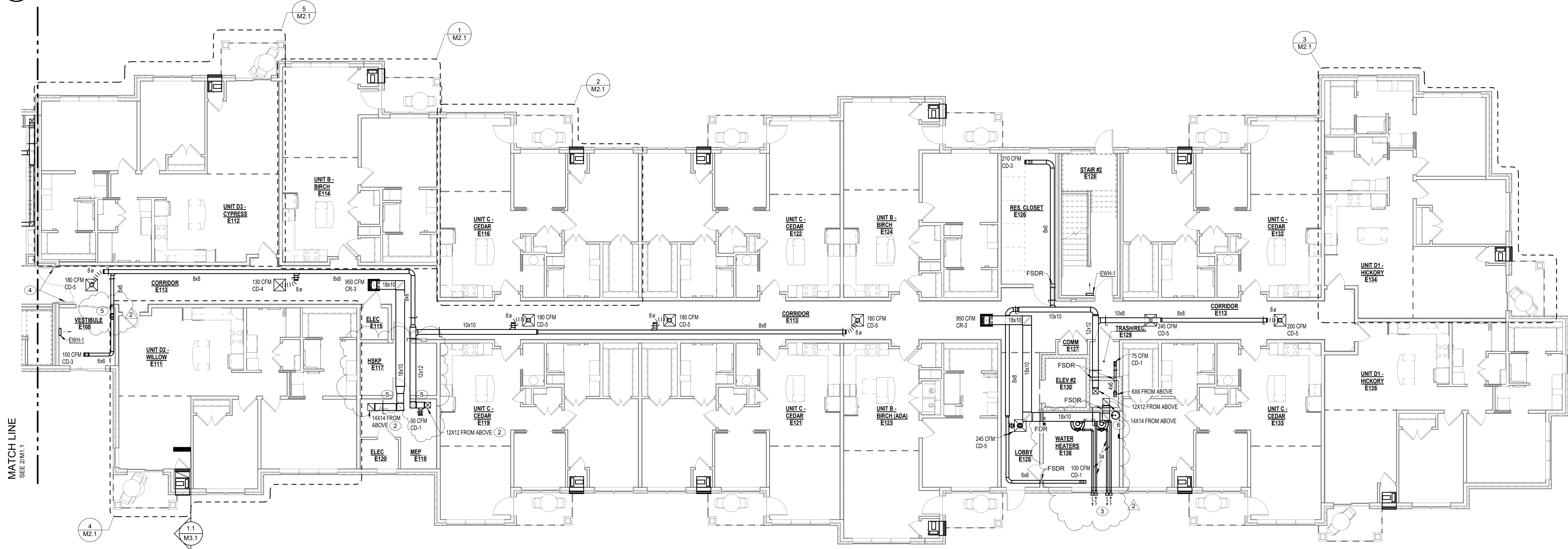
DESIGNER : DAS	DRAWN : BSW
ARCHITECT : DAS	CHECKED : BDT
ENGINEER : LBF	APPROVED : Approver
NO. 2	REVISION DESCRIPTION 1-PERMIT COMMENTS
	DATE 2/15/24

DRAWING TITLE
SHEARWALL DETAILS

DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	S4.1

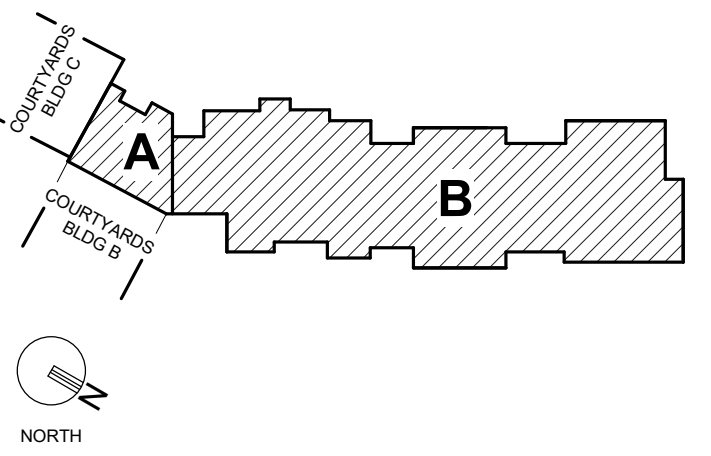


2 ATRIUM FIRST FLOOR PLAN - HVAC
M1.1 1/8" = 1'-0"



1 FIRST FLOOR PLAN - IL UNITS - HVAC
M1.1 1/8" = 1'-0"

KEY PLAN



PLAN NOTES

- 1 PROVIDE FACE OPERATED DAMPER.
- 2 PROVIDE COMBINATION FIRE SMOKE DAMPER (FSDR) AT DECK OF SECOND FLOOR WHERE VERTICAL DUCT EXITS RATED SHAFT.
- 3 WATER HEATER VENT ROUTING IS DIAGRAMATIC IN NATURE. FOR EACH WATER HEATER PROVIDE MANUFACTURER CONCENTRIC VENT KITS, WALL CAP AND VENT FITTINGS REQUIRED FOR CONNECTION. INSTALL VENT SYSTEM IN ACCORDANCE WITH WATER HEATER MANUFACTURER INSTRUCTIONS.
- 4 DOOR TO BE CONNECTED TO SMOKE EVACUATION SYSTEM AND OPERATED PER CONTROL DIAGRAM ON SHEET M4.1.
- 5 DUCTWORK ROUTED IN JOIST SPACE SHALL BE PROVIDED WITH 1 HR FIRE RATED DUCT INSULATION TO PROVIDE A CONTINUOUS 1 HR ENCLOSURE FROM THE HORIZONTAL PENETRATION OF THE RATED FLOORCEILING ASSEMBLY TO THE UNDERSIDE OF THE RATED FLOORCEILING ASSEMBLY. COMPLIANT WITH BC 2016 717.5.2. FIRE RATED WRAP PROVIDES A 1 HR FIRE RATED SHAFT ENCLOSURE. FIRE SEAL ALL DUCT PENETRATIONS IN THE RATED FLOORCEILING ASSEMBLY.
- 6 PROVIDE 1-HR FIRE RATED ACCESS DOOR IN THE RATED FLOORCEILING ASSEMBLY TO ALLOW ACCESS TO DAMPER LOCATED IN TRUSS SPACE.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFC

Architecture
Engineering
Planning
Interiors

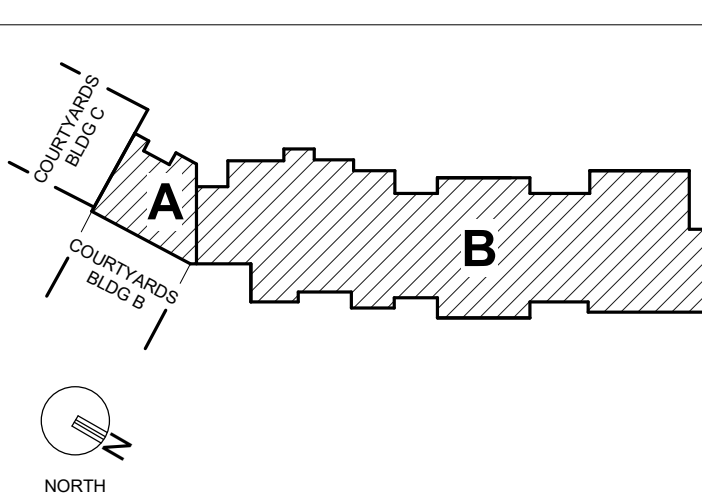
SFC Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfc.com

DESIGNER : DAS	DRAWN : JEB
ARCHITECT : DAS	CHECKED : MAP
ENGINEER : KEY	APPROVED : AJM
NO. 2	REVISION DESCRIPTION 02/15/24
Rev 1 - Permit Comments	

DRAWING TITLE
FIRST FLOOR PLANS - HVAC

DATE: February 15, 2024
DRAWING: M1.1
COMM. NO. 23104.00

KEY PLAN



PLAN NOTES

- 1 PROVIDE FACE OPERATED DAMPER.
- 2 DOOR TO BE CONNECTED TO SMOKE EVACUATION SYSTEM AND OPERATED PER CONTROL DIAGRAM ON SHEET M4-1.
- 3 DUCTWORK ROUTED IN JOIST SPACE SHALL BE PROVIDED WITH 1 HR FIRE RATED DUCT INSULATION TO PROVIDE A CONTINUOUS 1 HR ENCLOSURE FROM THE HORIZONTAL PENETRATION OF THE RATED FLOORCEILING ASSEMBLY TO THE UNDERSIDE OF THE RATED FLOORCEILING ASSEMBLY. COMPLIANT WITH IBC 2016 717.5.2. FIRE RATED WRAP PROVIDES A 1 HR FIRE RATED SHAFT ENCLOSURE. FIRE SEAL ALL DUCT PENETRATIONS IN THE RATED FLOORCEILING ASSEMBLY.
- 4 PROVIDE 1-HR FIRE RATED ACCESS DOOR IN THE RATED FLOORCEILING ASSEMBLY TO ALLOW ACCESS TO DAMPER LOCATED IN TRUSS SPACE.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCs
Architecture
Engineering
Planning
Interiors

SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfcsc.com

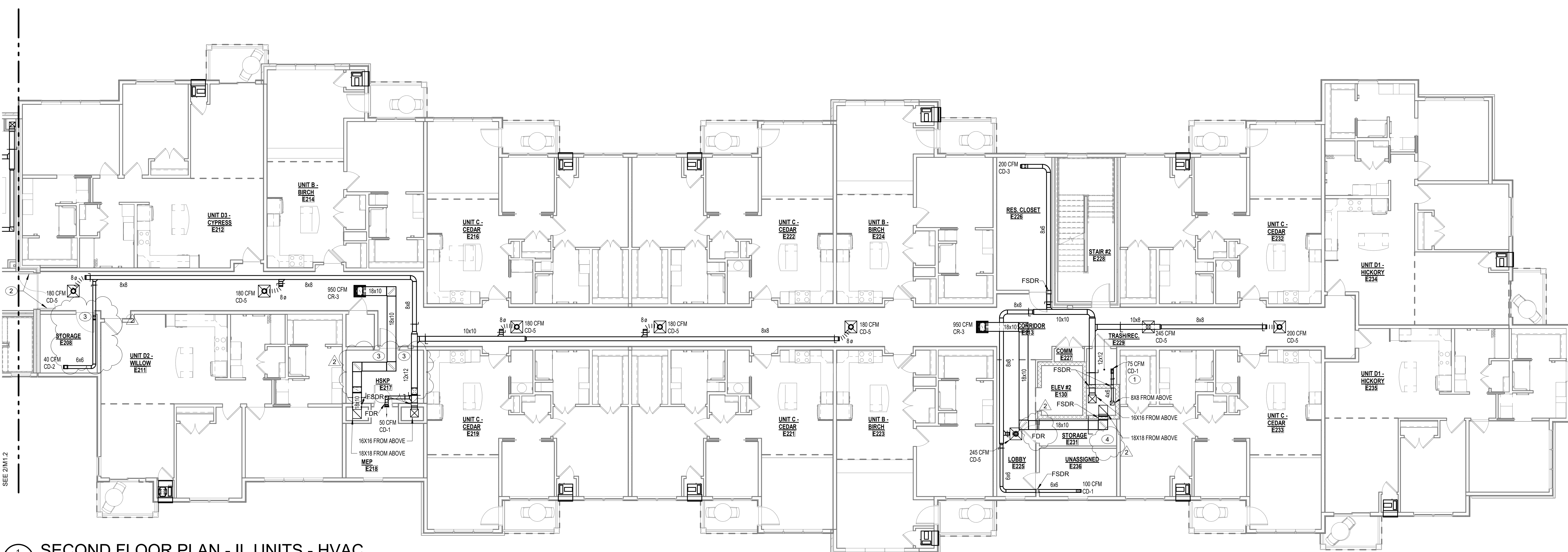
DESIGNER : DAS	DRAWN : JEB
ARCHITECT : DAS	CHECKED : MAP
ENGINEER : KFY	APPROVED : AJM
NO. 2	REVISION DESCRIPTION DATE
Rev 1 - Permit Comments	02/15/24

DRAWING TITLE
SECOND FLOOR PLANS - HVAC

DATE: February 15, 2024	DRAWING
COMM. NO. 23104.00	M1.2

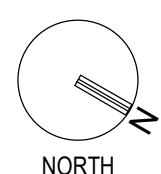
2 ATRIUM SECOND FLOOR PLAN - HVAC

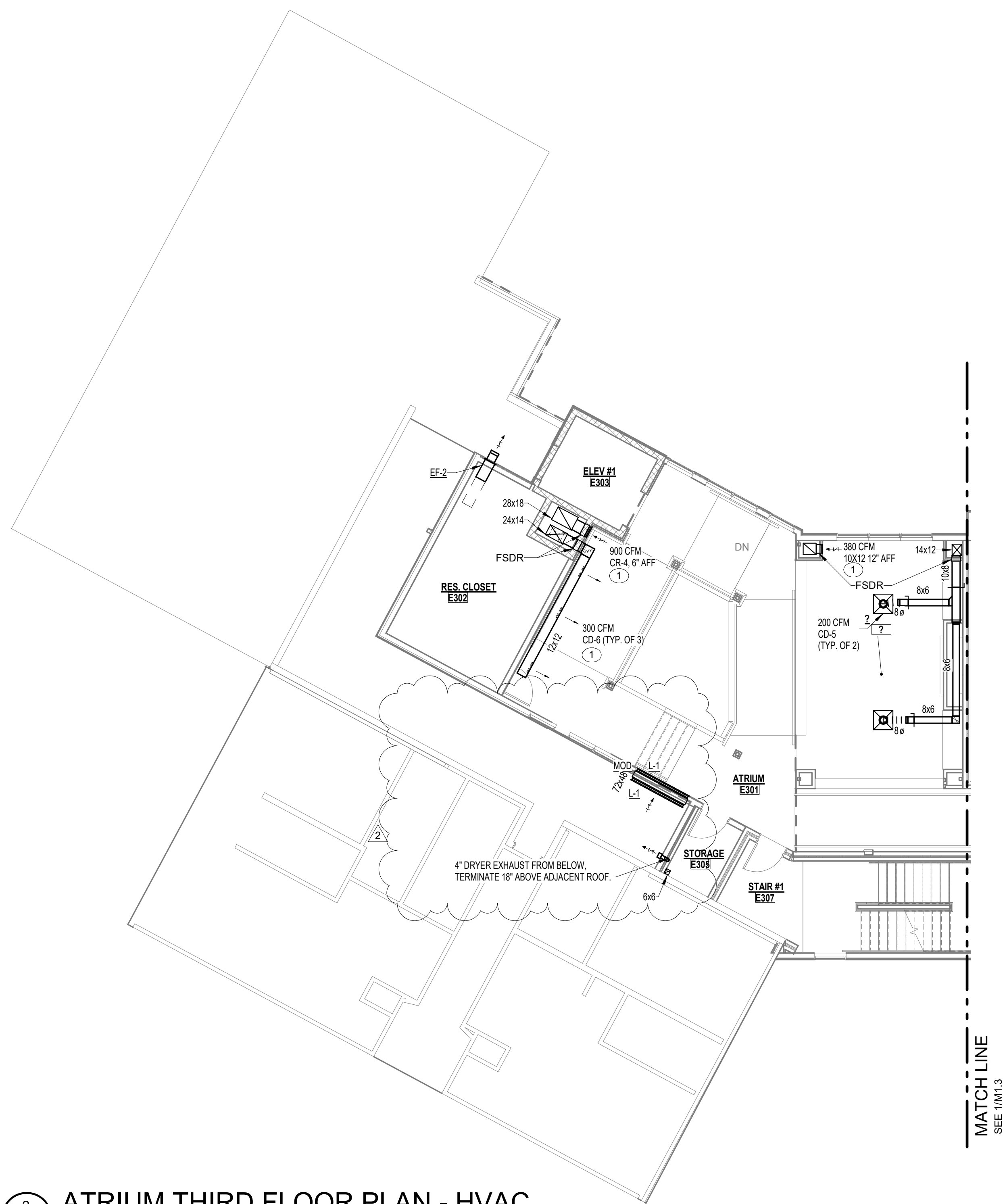
M1.2 1/8" = 1'-0"



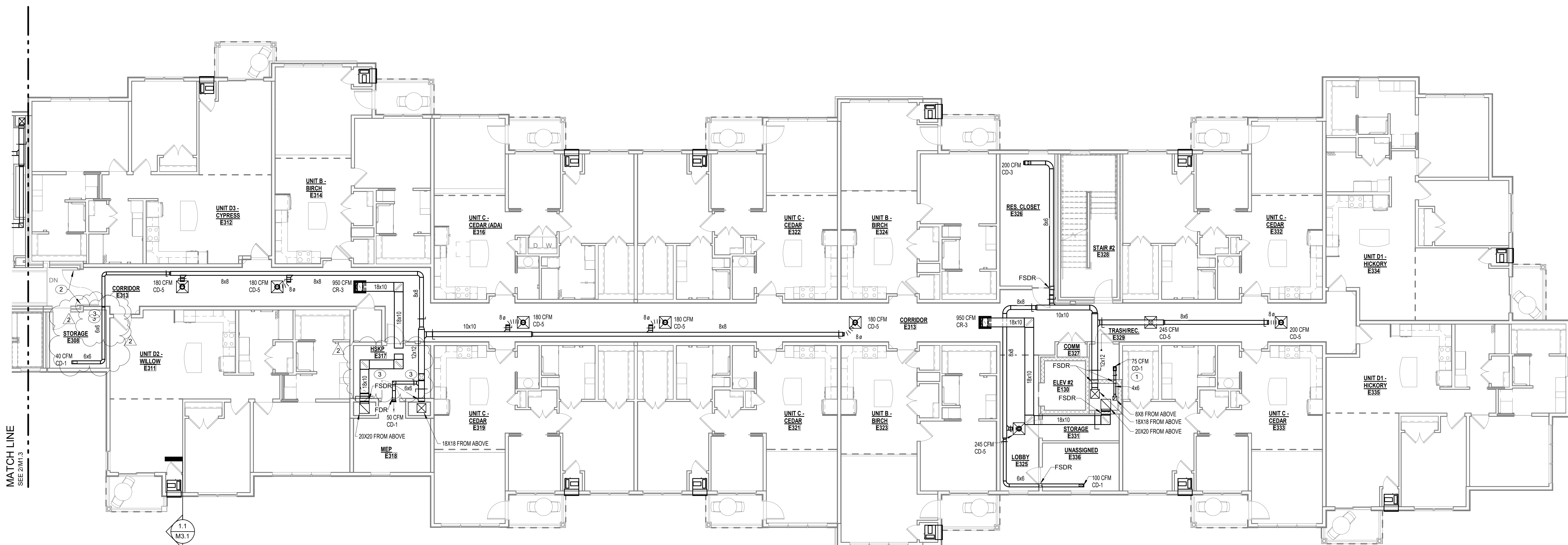
1 SECOND FLOOR PLAN - IL UNITS - HVAC

M1.2 1/8" = 1'-0"



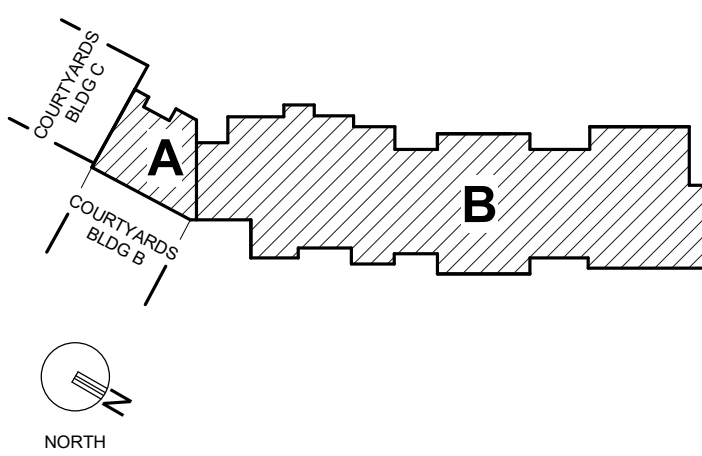


2 ATRIUM THIRD FLOOR PLAN - HVAC
M1.3 1/8" = 1'-0"



1 THIRD FLOOR PLAN - IL UNITS - HVAC
M1.3 1/8" = 1'-0"

KEY PLAN



PLAN NOTES

- PROVIDE FACE OPERATED DAMPER
- DOOR TO BE CONNECTED TO SMOKE EVACUATION SYSTEM AND OPERATED PER CONTROL DIAGRAM ON SHEET M4.1.
- DUCTWORK ROUTED IN JOIST SPACE SHALL BE PROVIDED WITH 1 HR. FIRE RATED DUCT INSULATION TO PROVIDE A CONTINUOUS 1 HR. ENCLOSURE FROM THE HORIZONTAL PENETRATION OF THE RATED FLOOR/CEILING ASSEMBLY TO THE UNDERSIDE OF THE RATED FLOOR/CEILING ASSEMBLY. COMPLIANT WITH 601.10.1.2.2. FIRE RATED WRAP PROVIDES A 1-HR FIRE RATED SHAFT ENCLOSURE. FIRE SEAL ALL DUCT PENETRATIONS IN THE RATED FLOOR/CEILING ASSEMBLY.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

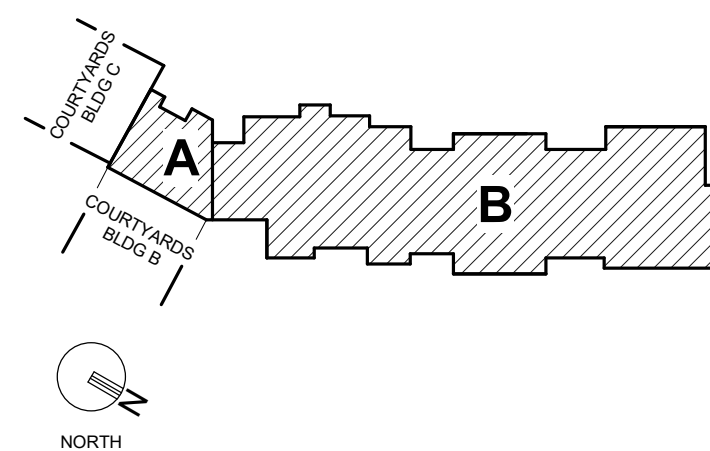
SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfcsc.com

DESIGNER : DAS	DRAWN : JEB
ARCHITECT : DAS	CHECKED : MAP
ENGINEER : KFY	APPROVED : AJM
NO. 2	REVISION DESCRIPTION DATE
Rev 1 - Permit Comments	02/15/24

DRAWING TITLE
THIRD FLOOR PLANS - HVAC

DATE: February 15, 2024
DRAWING
COMM. NO. 23104.00
M1.3

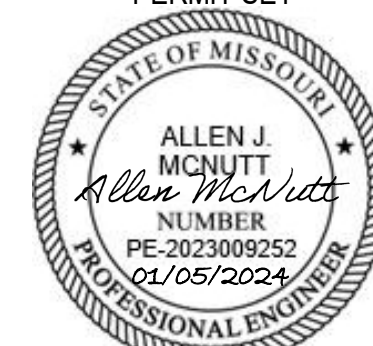
KEY PLAN



PLAN NOTES

- 1 PROVIDE FACE OPERATED DAMPER.
- 2 DOOR TO BE CONNECTED TO SMOKE EVACUATION SYSTEM AND OPERATED PER CONTROL DIAGRAM ON SHEET M4.1.
- 3 CONTRACTOR TO PAINT INTERIOR OF SEV FAN DUCTS MATTE BLACK TO FAN CONNECTION.
- 4 DUCTWORK ROUTED IN JOIST SPACE SHALL BE PROVIDED WITH 1 HR FIRE RATED DUCT INSULATION TO PROVIDE A CONTINUOUS 1 HR ENCLOSURE FROM THE HORIZONTAL PENETRATION OF THE RATED FLOOR/CEILING ASSEMBLY TO THE UNDERSIDE OF THE RATED FLOOR/CEILING ASSEMBLY. COMPLIANT WITH IBC 2015 717.5.2. FIRE RATED WRAP PROVIDES A 1-HR FIRE RATED SHUT ENCLOSURE. FIRE SEAL ALL DUCT PENETRATIONS IN THE RATED FLOOR/CEILING ASSEMBLY.
- 5 PROVIDE 1-HR FIRE RATED ACCESS DOOR IN THE RATED FLOOR/CEILING ASSEMBLY TO ALLOW ACCESS TO DAMPER LOCATED IN TRUSS SPACE.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfc.com

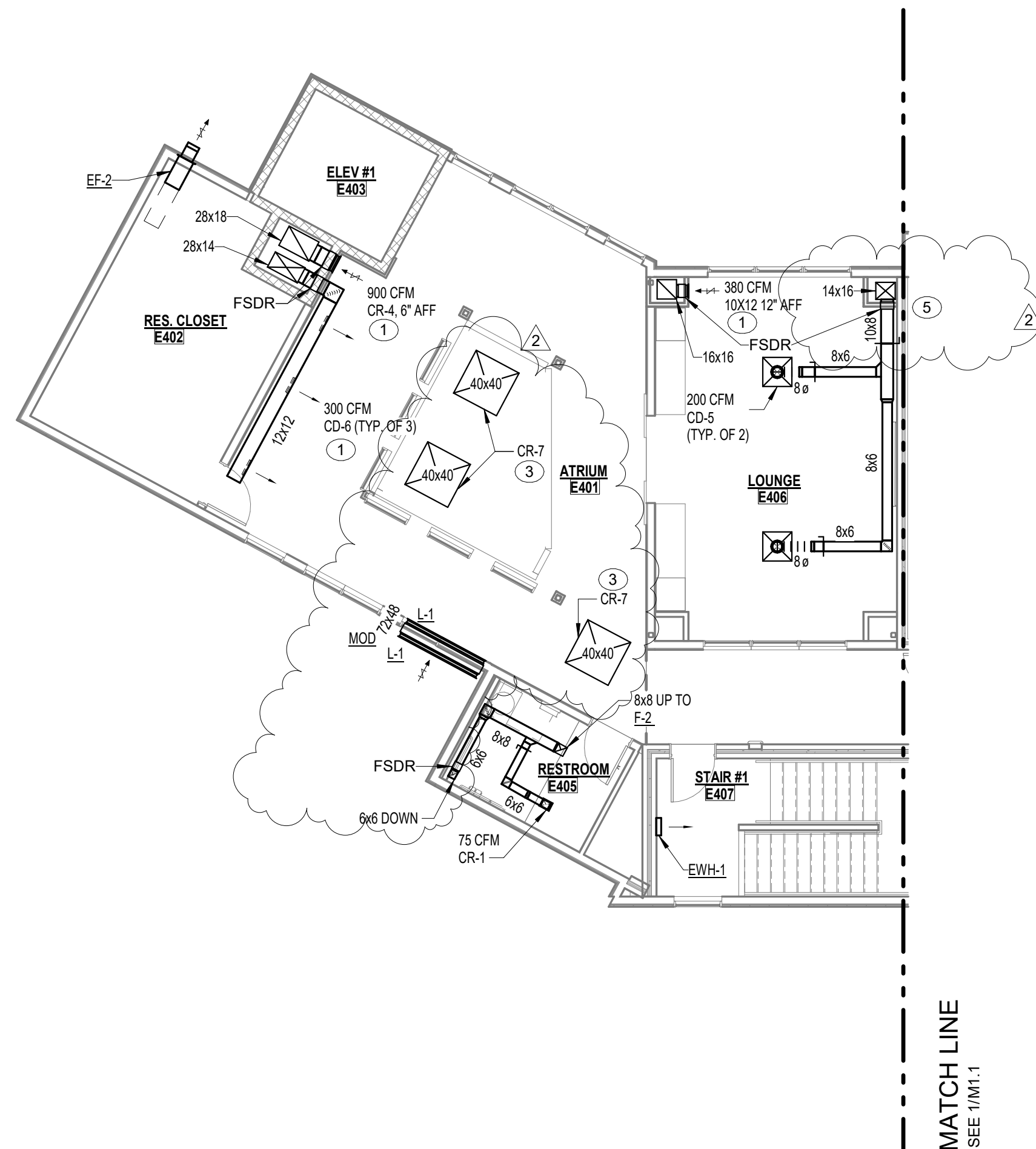
DESIGNER : DAS	DRAWN : JEB
ARCHITECT : DAS	CHECKED : MAP
ENGINEER : KEY	APPROVED : AJM
NO. 2	REVISION DESCRIPTION DATE
Rev 1 - Permit Comments	02/15/24

DRAWING TITLE
FOURTH FLOOR PLANS - HVAC

DATE: February 15, 2024	DRAWING
COMM. NO. 23104.00	M1.4

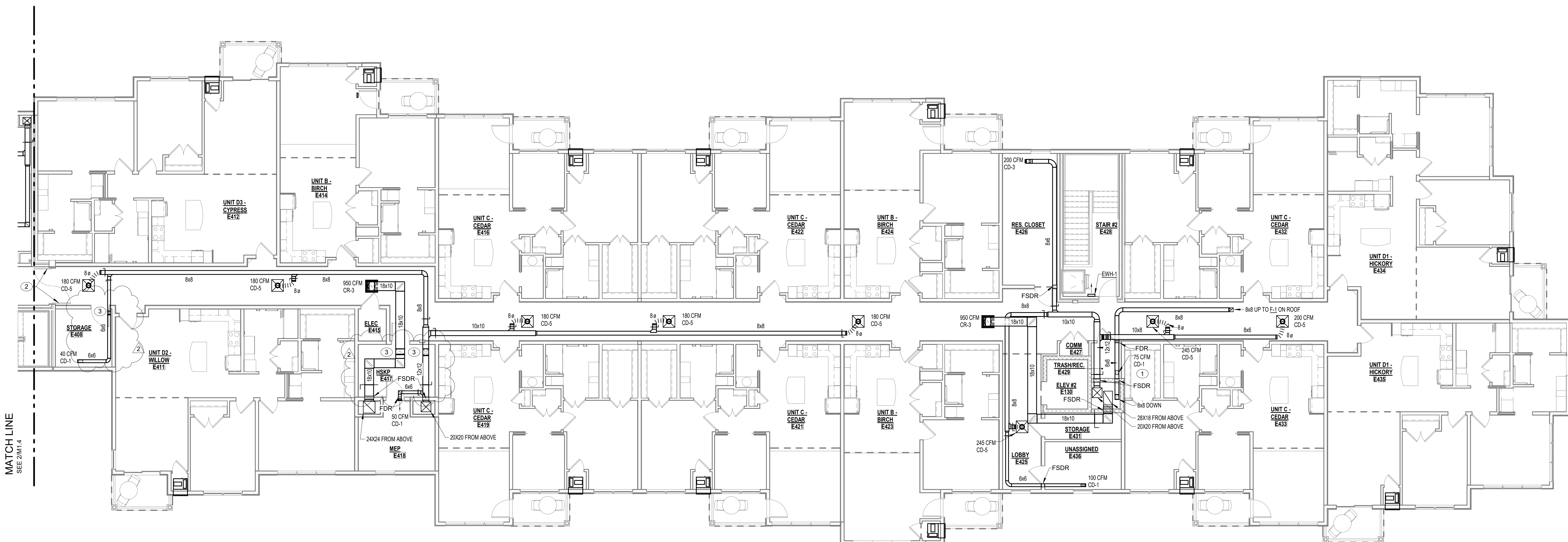
2 ATRIUM FOURTH FLOOR PLAN - HVAC

M1.4 1/8" = 1'-0"



1 FOURTH FLOOR PLAN - IL UNITS - HVAC

M1.4 1/8" = 1'-0"





- ① PROVIDE 30" TALL SAFETY RAILING AT ROOF EDGE IN COMPLIANCE WITH LOCAL MECHANICAL CODE. CONTRACTOR TO COORDINATE WITH ARCHITECTURE FOR RAILING MATERIAL AND COLOR. TYPICAL FOR ANY LOCATION WHERE ROOFTOP EQUIPMENT IS INSTALLED WITHIN 10' HORIZONTALLY FROM ROOF EDGE.
- ② PROVIDE ROOF DUCT PENETRATION. COORDINATE WITH ROOFING CONTRACTOR. TYPICAL.
- ③ PROVIDE GRAVITY BACK DRAFT DAMPER IN FAN CURB.



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

S F C S | Architecture
Engineering
Planning
Interiors

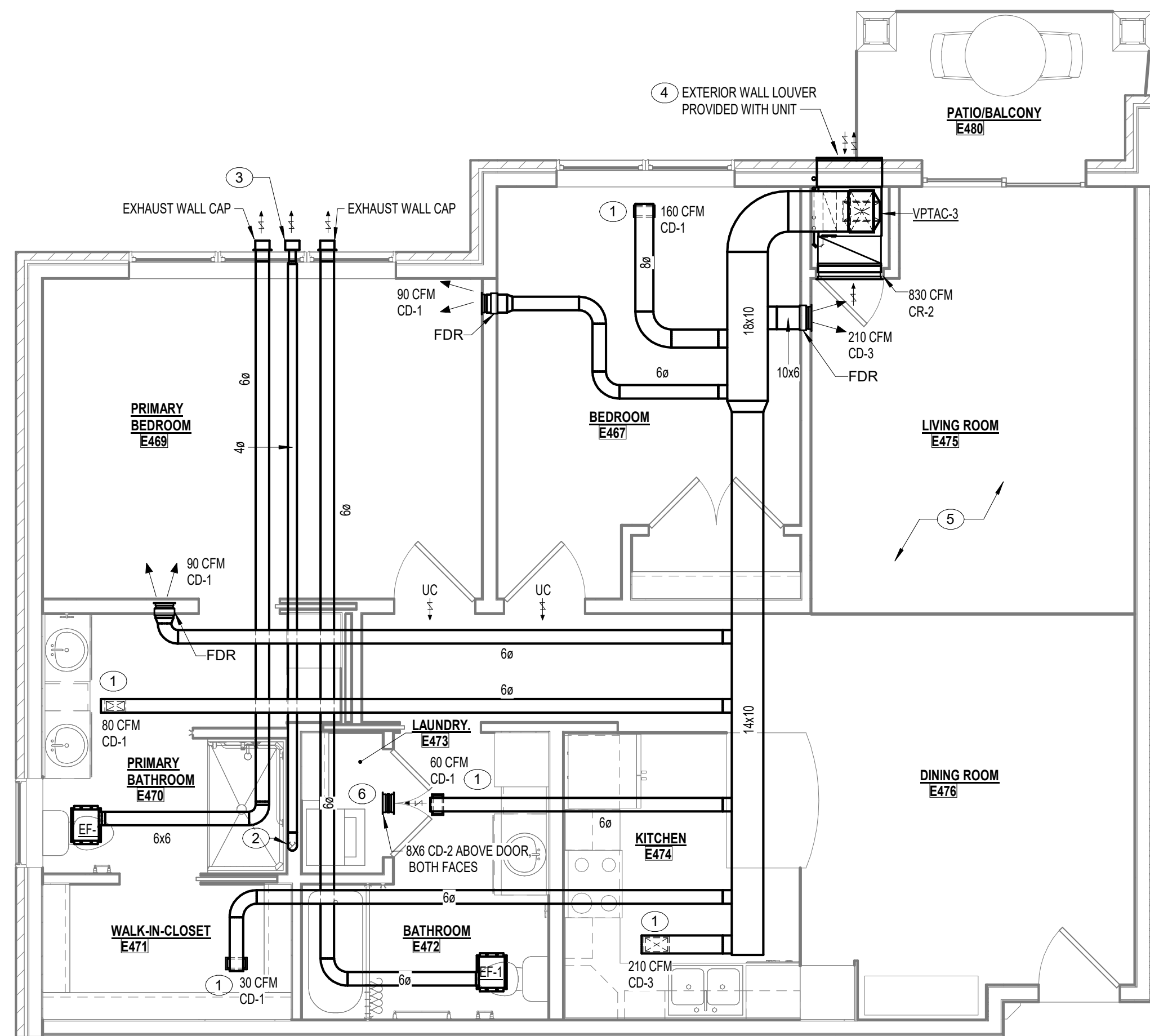
SFCS Inc. ■ 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 ■ Fax 540.343.6925
www.sfcs.com

DESIGNER : DAS	DRAWN : JEB
ARCHITECT : DAS	CHECKED : MAP
ENGINEER : KFY	APPROVED : AJM
NO.	REVISION DESCRIPTION
2	Rev 1 - Permit Comments

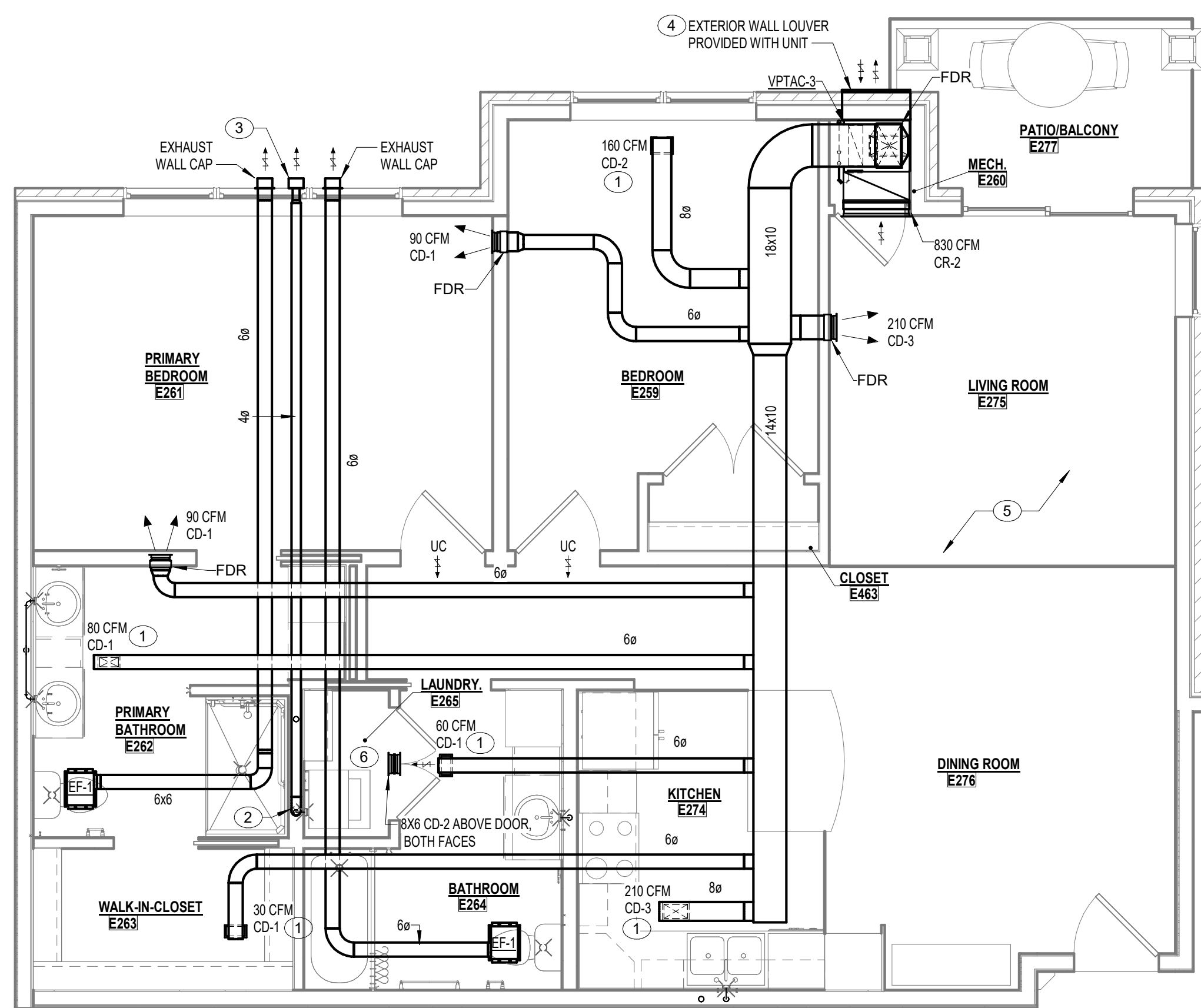
DRAWING TITLE
ROOF PLAN

DATE: February 15, 2024	DRAWING M1.5
COMM. NO. 23104.00	

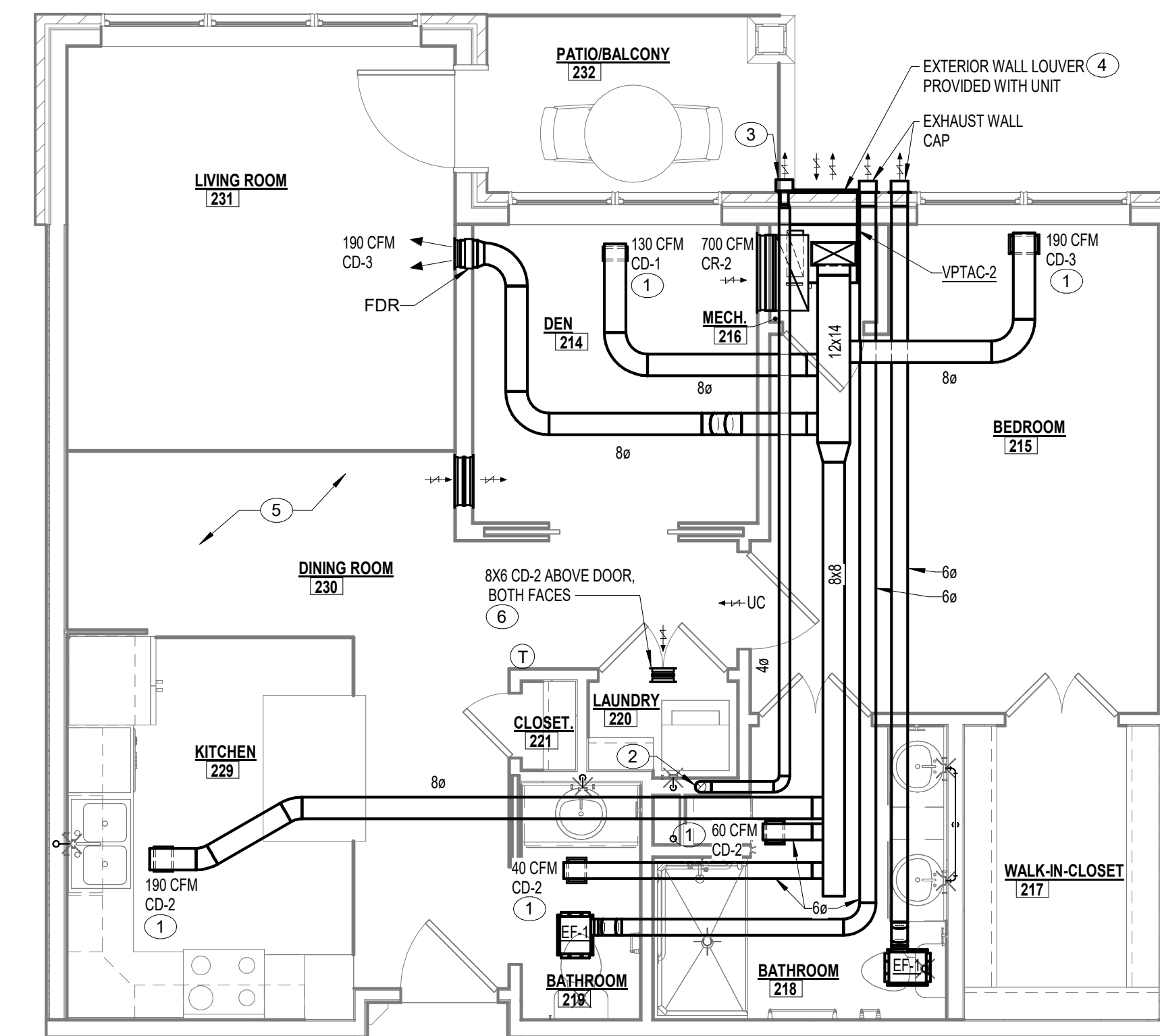
- PLAN NOTES
- 1 PROVIDE CEILING RADIATION DAMPER. TYPICAL OF ALL AIR DEVICE PENETRATIONS IN RESIDENT UNIT CEILINGS.
 - 2 4"Ø RIGID DRYER VENT DOWN TO DRYER
 - 3 DRYER VENT WALL CAP WITH BACKDRAFT DAMPER
 - 4 VTAC OR FLOW RATE SHALL MATCH COMBINED DWELLING UNIT. BATHROOM EXHAUST OR MAXIMUM UNIT OR VALUE, WHICHEVER IS LESS.
 - 5 PROVIDE FACE OPERATED BALANCING DAMPERS FOR ALL SUPPLY AIR DEVICES.
 - 6 PROVIDE TRANSFER DUCT ABOVE LAUNDRY ROOM DOOR. UTILIZE 8X6 CD-2 ON BOTH FINISHED SURFACES. MOUNTING HEIGHT AFF SHALL MATCH OTHER SIDEWALL DEVICES VISIBLE IN SAME SPACE. TYPICAL OF ALL RESIDENT UNIT LAUNDRY ROOMS.



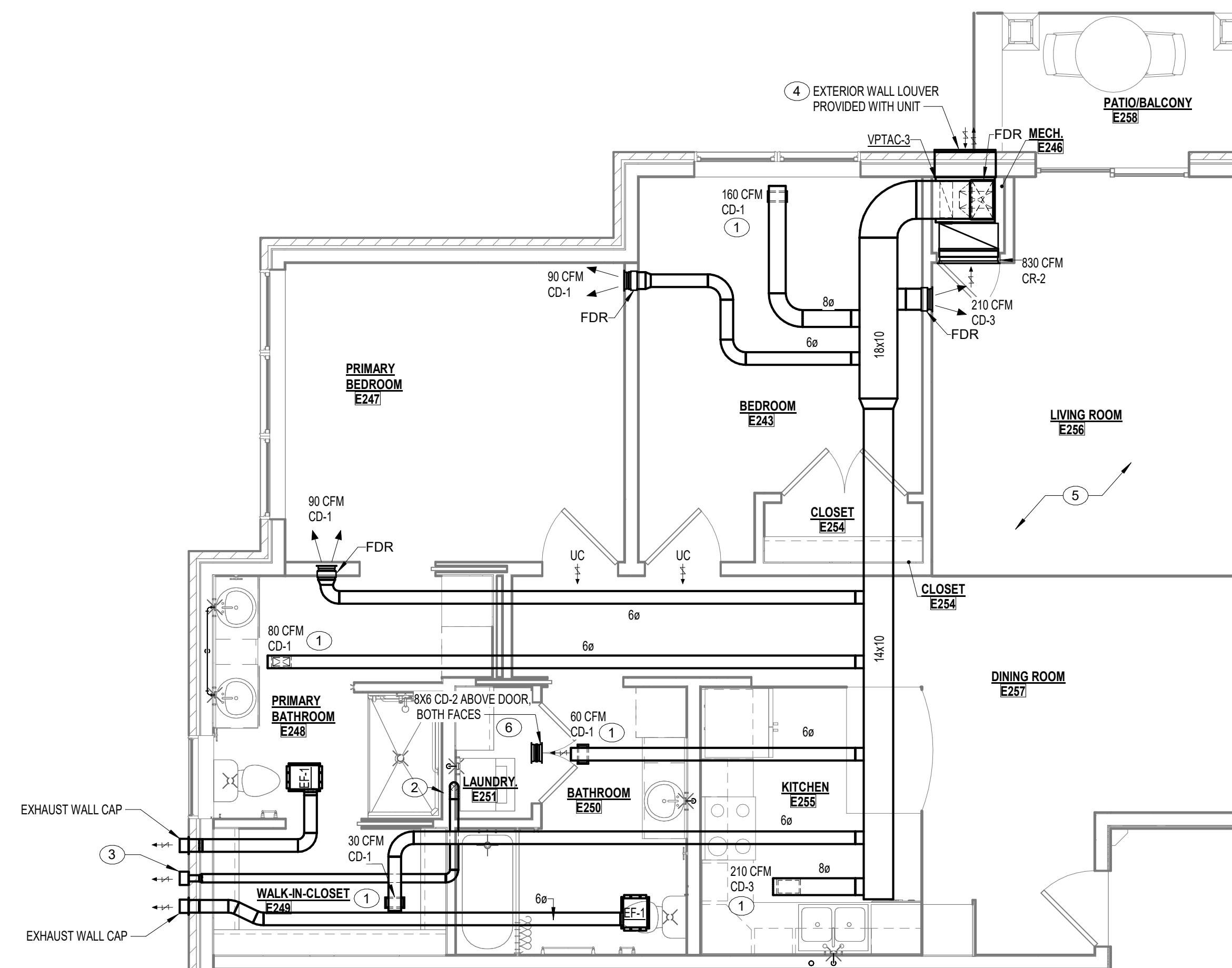
5 UNIT D3 - HVAC
M2.1 1/4" = 1'-0"



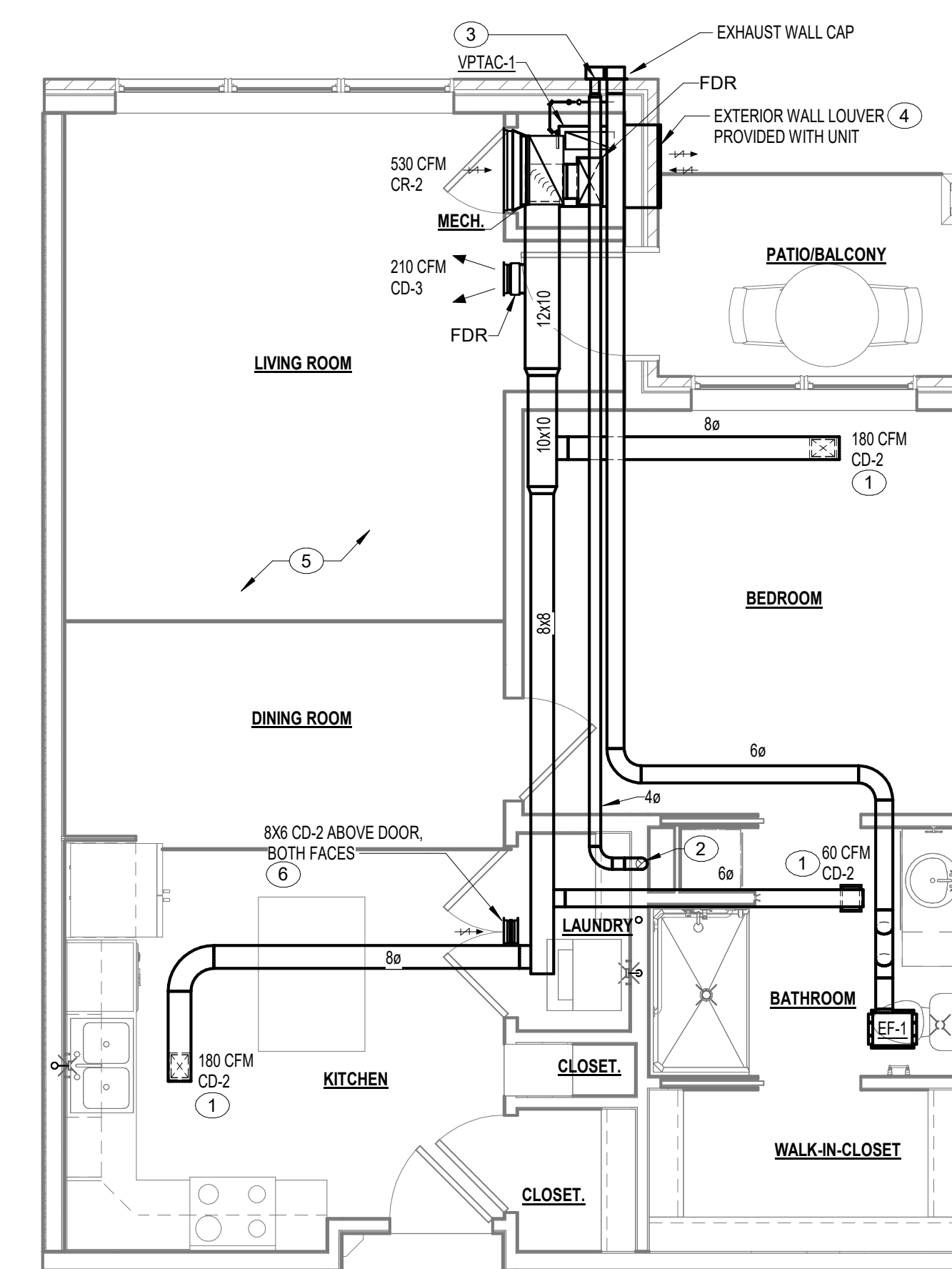
4 UNIT D2 - HVAC
M2.1 1/4" = 1'-0"



2 UNIT C - HVAC
M2.1 1/4" = 1'-0"



3 UNIT D1 - HVAC
M2.1 1/4" = 1'-0"



1 UNIT B - HVAC
M2.1 1/4" = 1'-0"



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

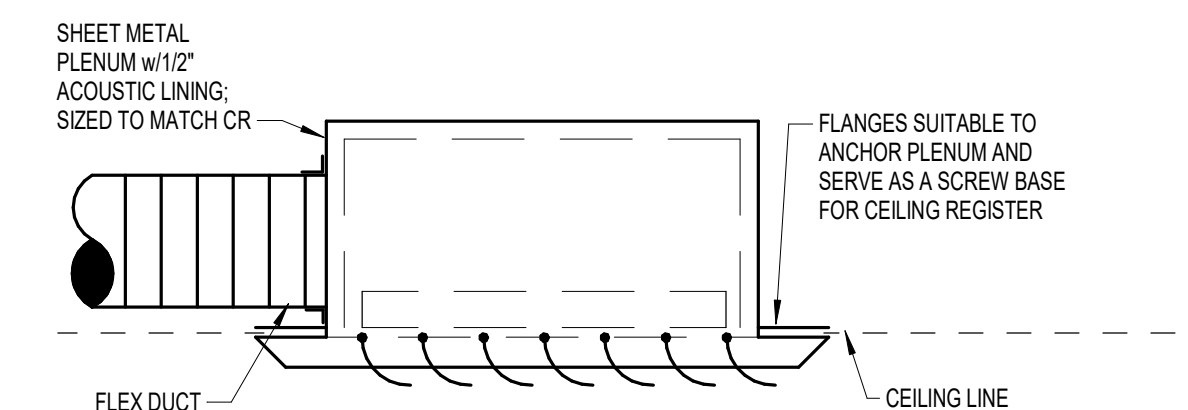
SFCs Architecture
Engineering
Planning
Interiors

SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfcsc.com

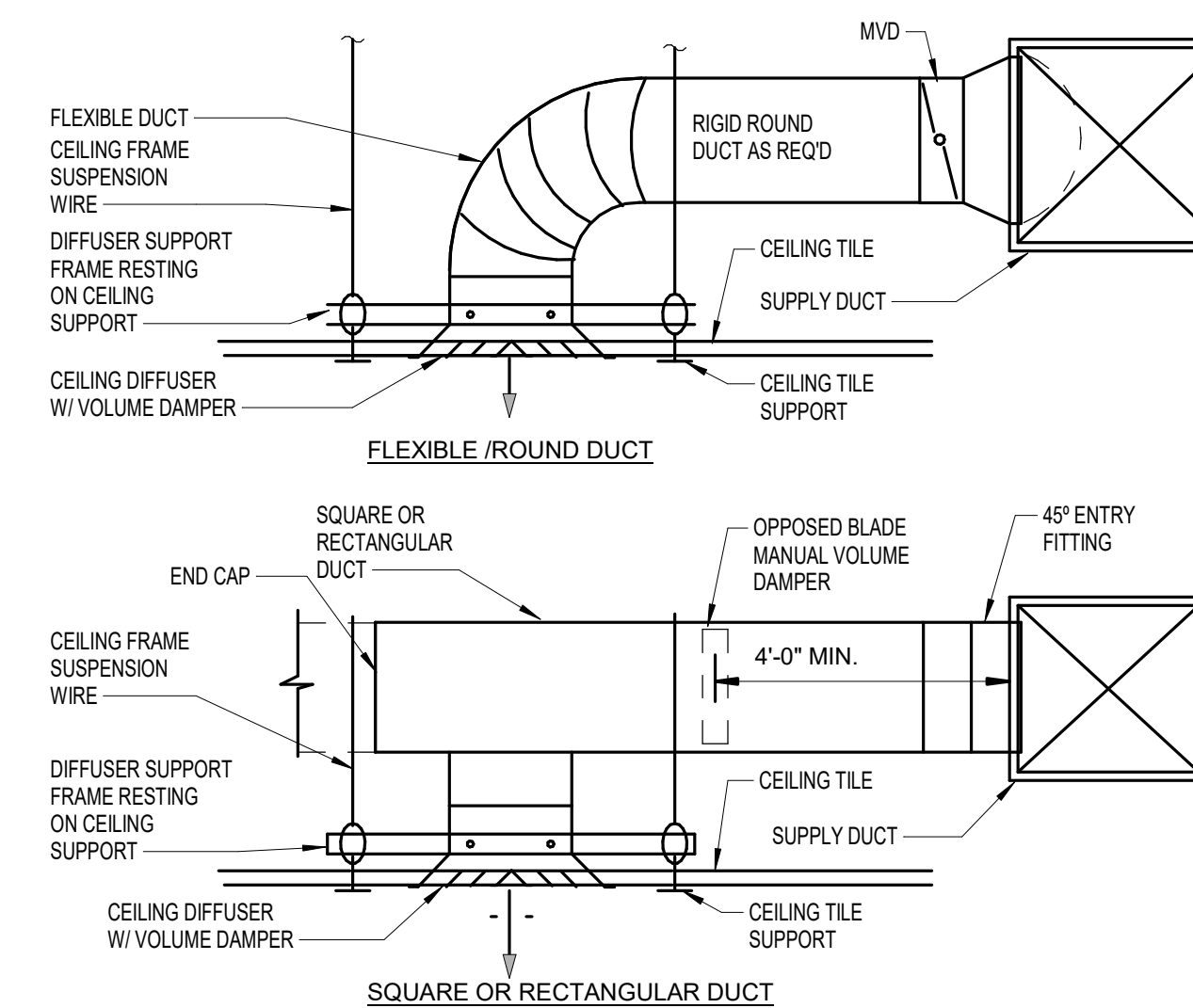
DESIGNER : DAS	DRAWN : JEB
ARCHITECT : DAS	CHECKED : MAP
ENGINEER : KFY	APPROVED : AJM
NO.	REVISION DESCRIPTION DATE

DRAWING TITLE
ENLARGED PLANS - HVAC

DATE: February 15, 2024
COMM. NO. 23104.00
DRAWING
M2.1

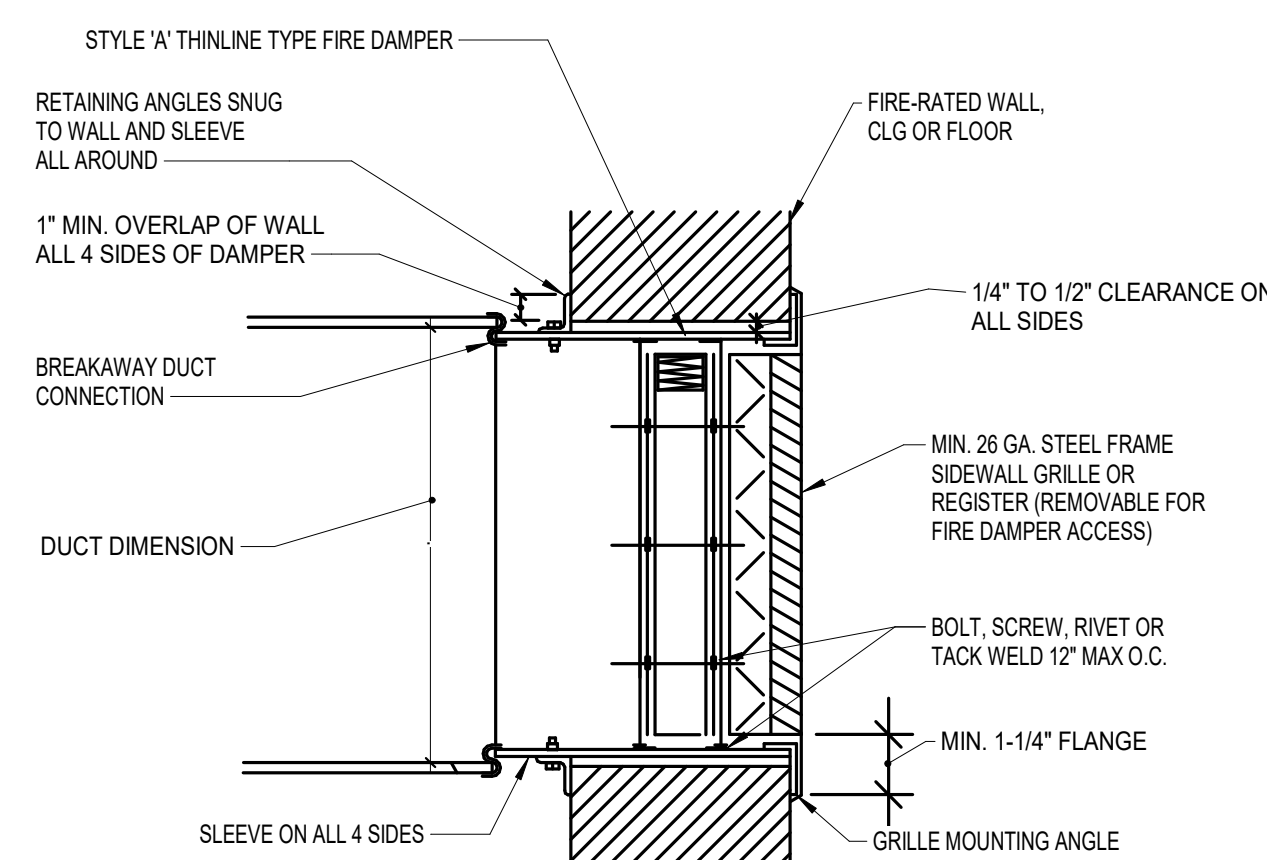


 **CEILING REGISTER DETAIL**
M3.1 N.T.S.



NOTE: SEE SPECIFICATIONS FOR INSULATION AND ACOUSTIC LINE REQUIREMENTS

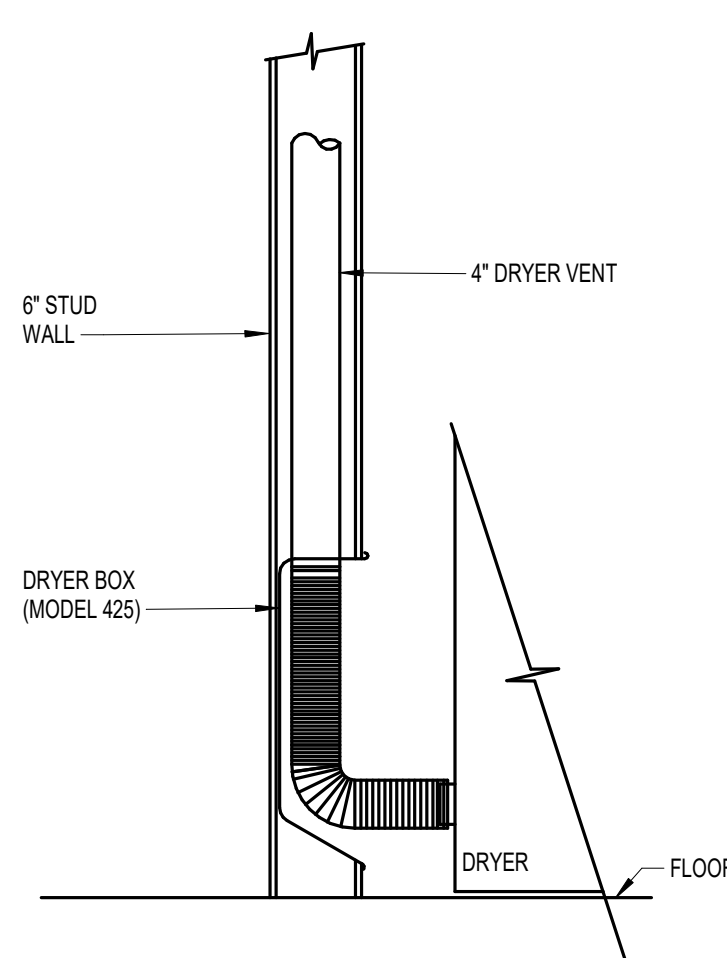
3 CEILING DIFFUSER BRANCH DUCTS



NOTE:

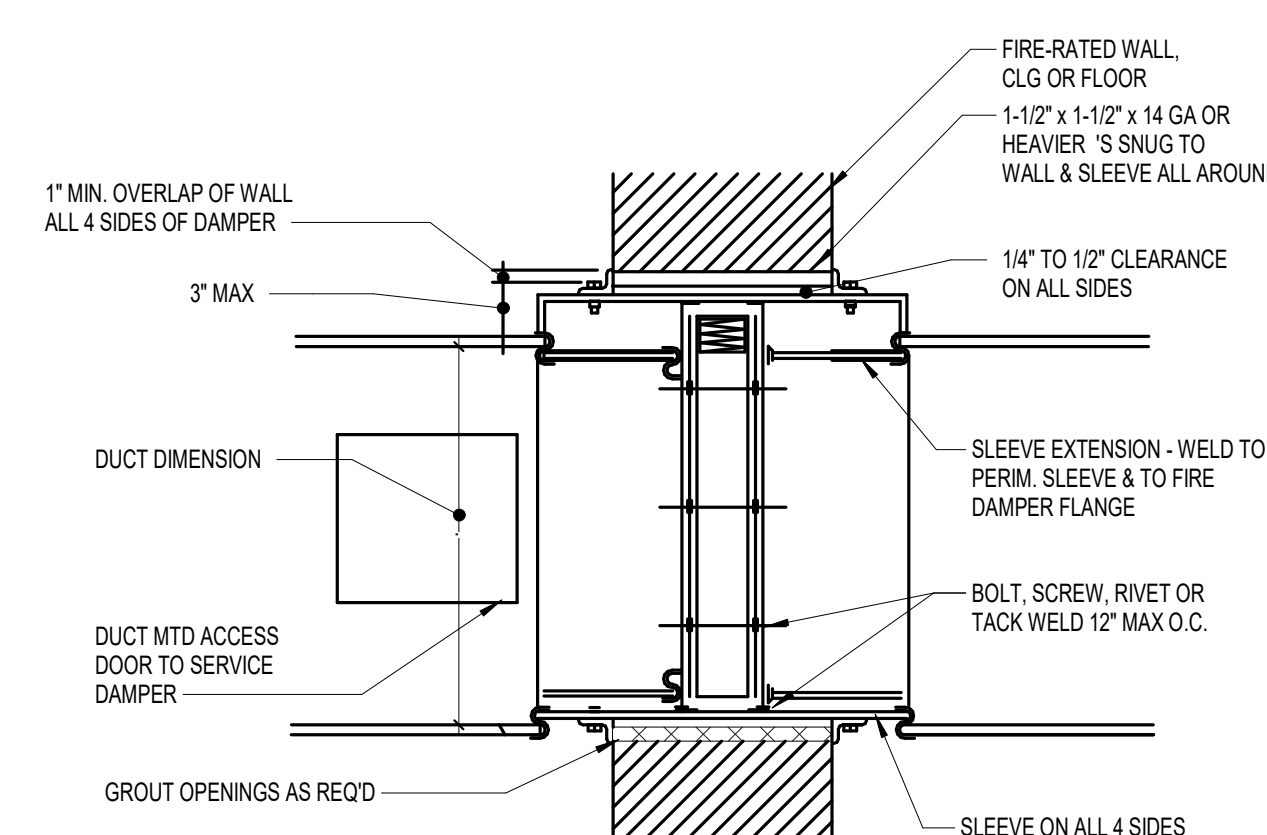
1. THE DETAIL ABOVE IS PICTORIAL IN NATURE AND NOT ABSOLUTELY CORRECT FOR ALL SITUATIONS. FIRE DAMPERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S UL APPROVED REQUIREMENTS. (EQUIVALENT TO RUSKIN STYLE G GRILLE/FIRE DAMPER INSTALLATION DESIGN).
2. OMIT REGISTER DAMPER WHERE MANUAL VOLUME DAMPER IS INSTALLED IN DUCT RUNOUT TO REGISTER.

7 GRILLE/FIRE DAMPER INSTALLATION



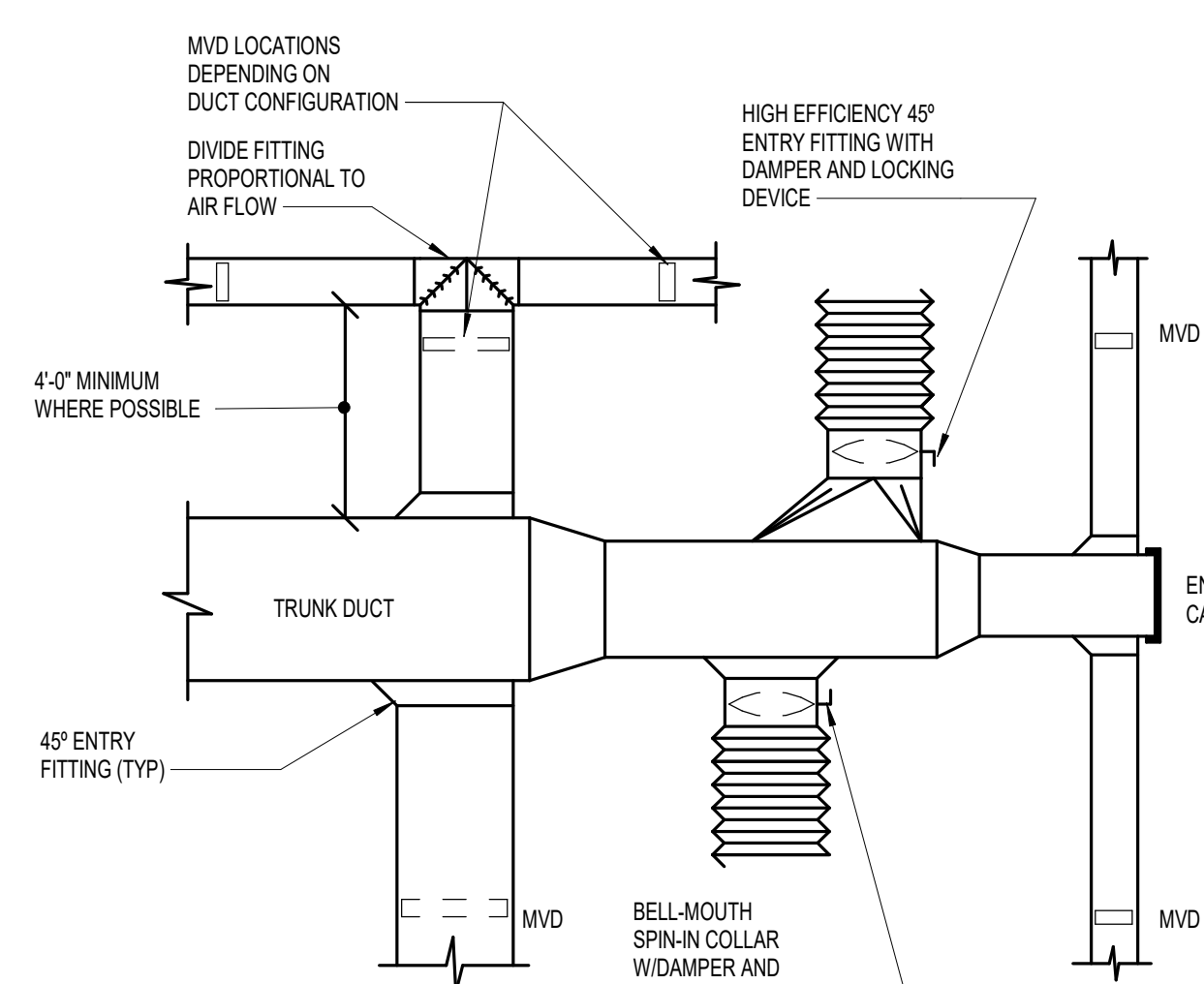
NOTE: DRYER BOX MAY BE USED AT ANY LOCATION WITH A 6" STUD WALL AND CAN BE USED TO ELIMINATE 1-ELBOW AND REDUCE THE MEASURED LENGTH OF THE DRYER VENT USE FOR DIRECT VENTING ONLY. NOT SUITABLE FOR SHARED RISER CONNECTIONS.

 **DRYER EXHAUST VENT CONNECTION**
M3.1 12" = 1'-0"



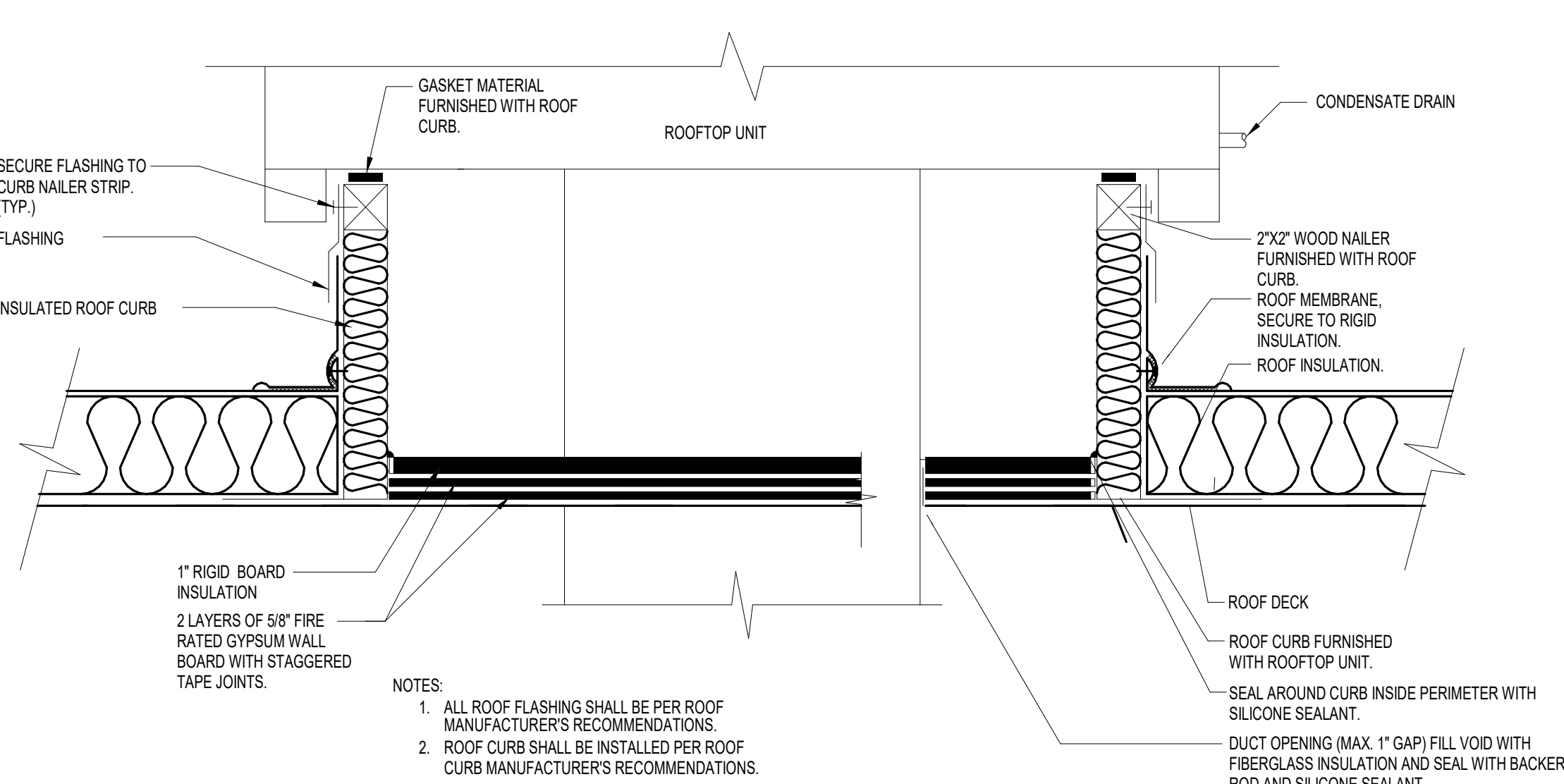
NOTE:
THE DETAIL ABOVE IS PICTORIAL IN NATURE AND NOT ABSOLUTELY
CORRECT FOR ALL SITUATIONS. FIRE DAMPERS SHALL BE INSTALLED
IN STRICT ACCORDANCE WITH THE MANUFACTURER'S UL APPROVED
REQUIREMENTS.

6 FIRE DAMPER INSTALLATION



NOTE: THIS DETAIL IS GENERAL IN NATURE AND APPLIES WHERE CEILING ACCESS IS READILY AVAILABLE. DO NOT INSTALL BALANCING DAMPERS ABOVE "HARD" CEILINGS UNLESS BOTH DAMPERS AND ACCESS DOORS ARE INDICATED ON THE DRAWINGS. ASK IF THERE IS DOUBT AS TO THE DESIGNERS INTENT.

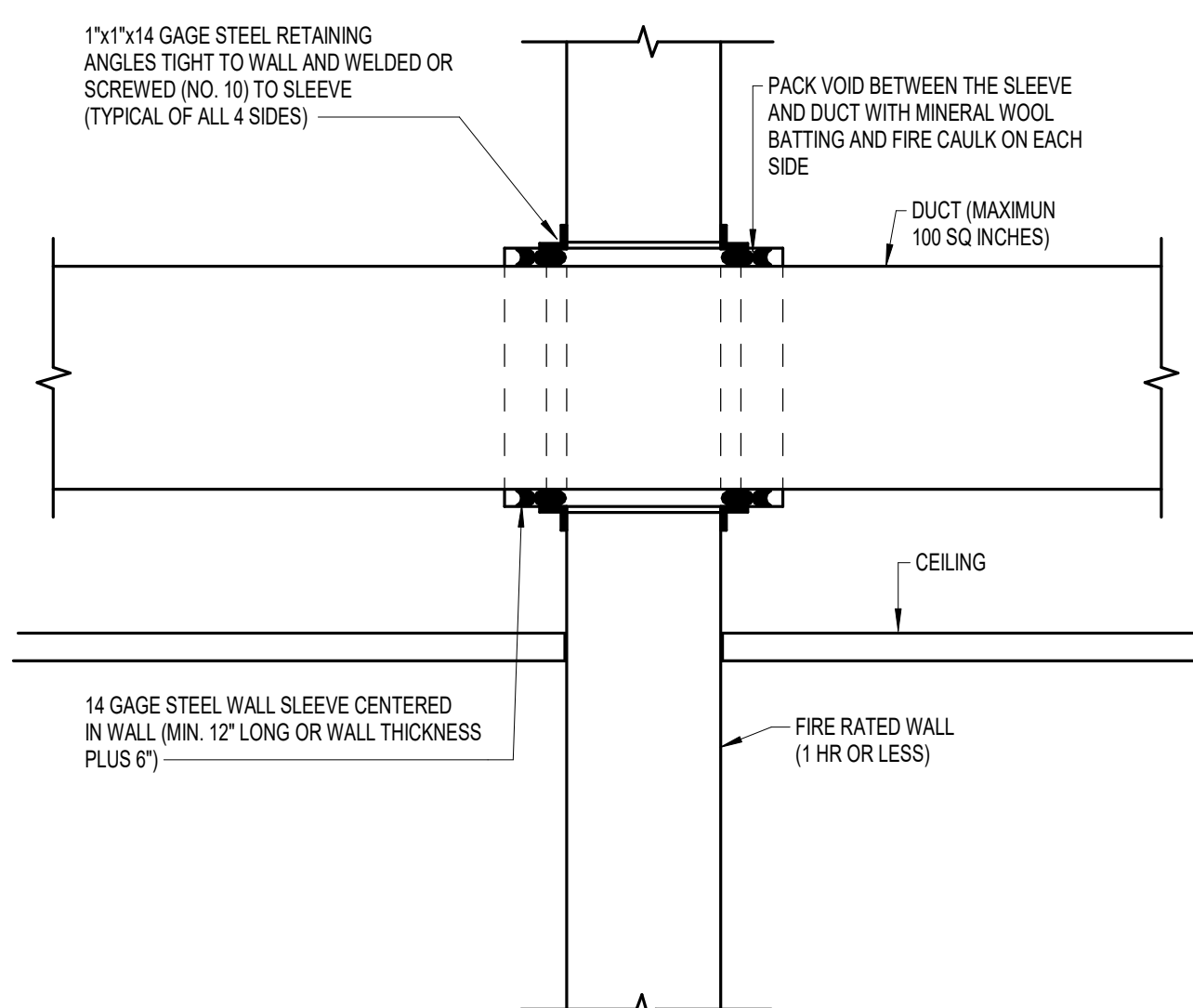
2 BRANCH DUCT TAKE-OFF OPTIONS



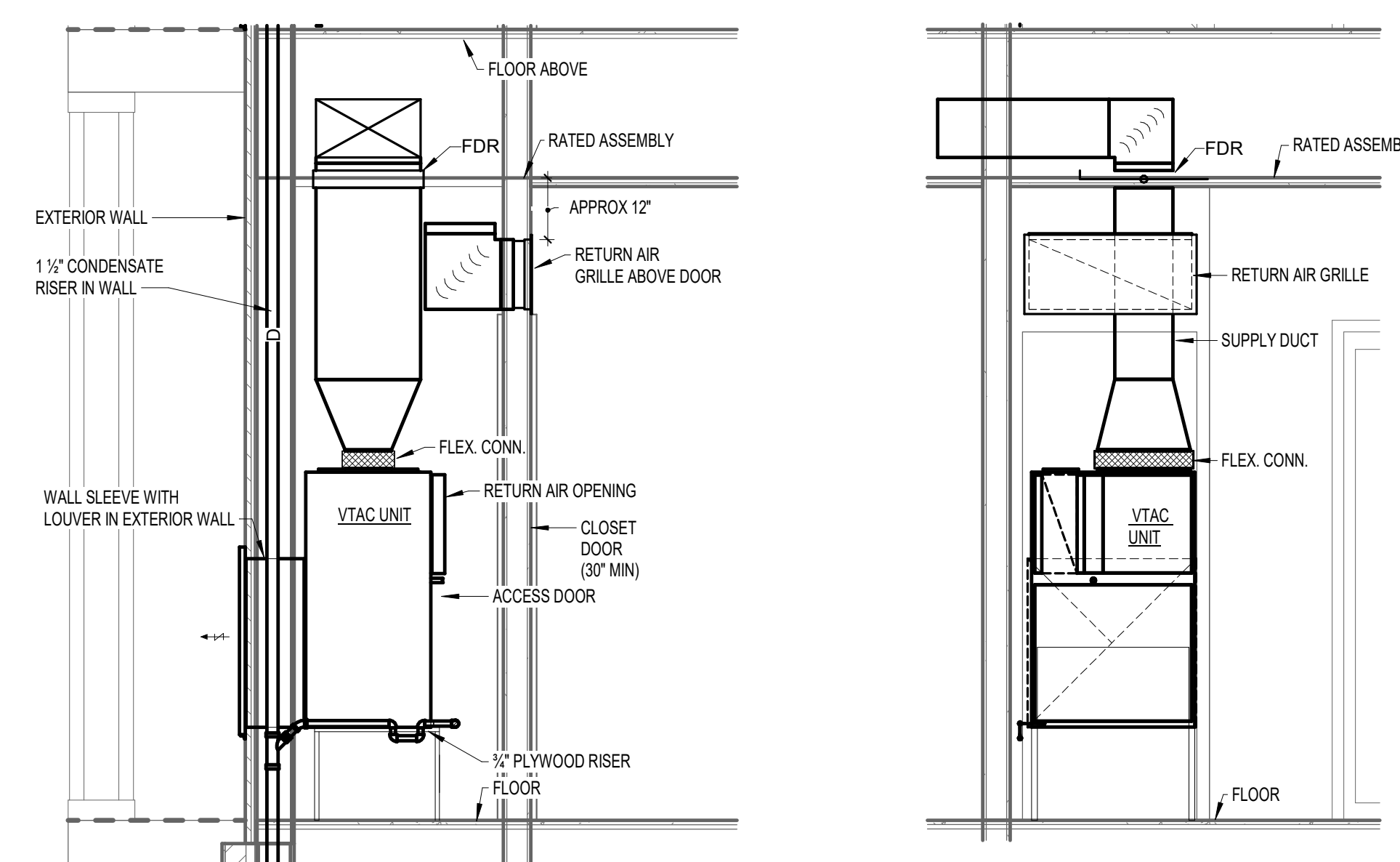
NOTES:

1. ALL ROOF FLASHING SHALL BE PER ROOF MANUFACTURER'S RECOMMENDATIONS.
2. ROOF CURB SHALL BE INSTALLED PER ROOF CURB MANUFACTURER'S RECOMMENDATIONS.

DETAIL - RTU & DOA UNIT CURB



DUCT PENETRATION OF FIRE RATED PARTITION



1 VERTICAL PTAC UNIT DETAIL
M3.1 N.T.S.

PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

S F C S | Architecture
Engineering
Planning
Interiors

SFCS Inc. ■ 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 ■ Fax 540.343.6925
www.sfcs.com

DESIGNER : DAS	DRAWN : JEB
ARCHITECT : DAS	CHECKED : MAP
ENGINEER : KFY	APPROVED : AJM
NO.	REVISION DESCRIPTION
	DATE

DRAWING TITLE

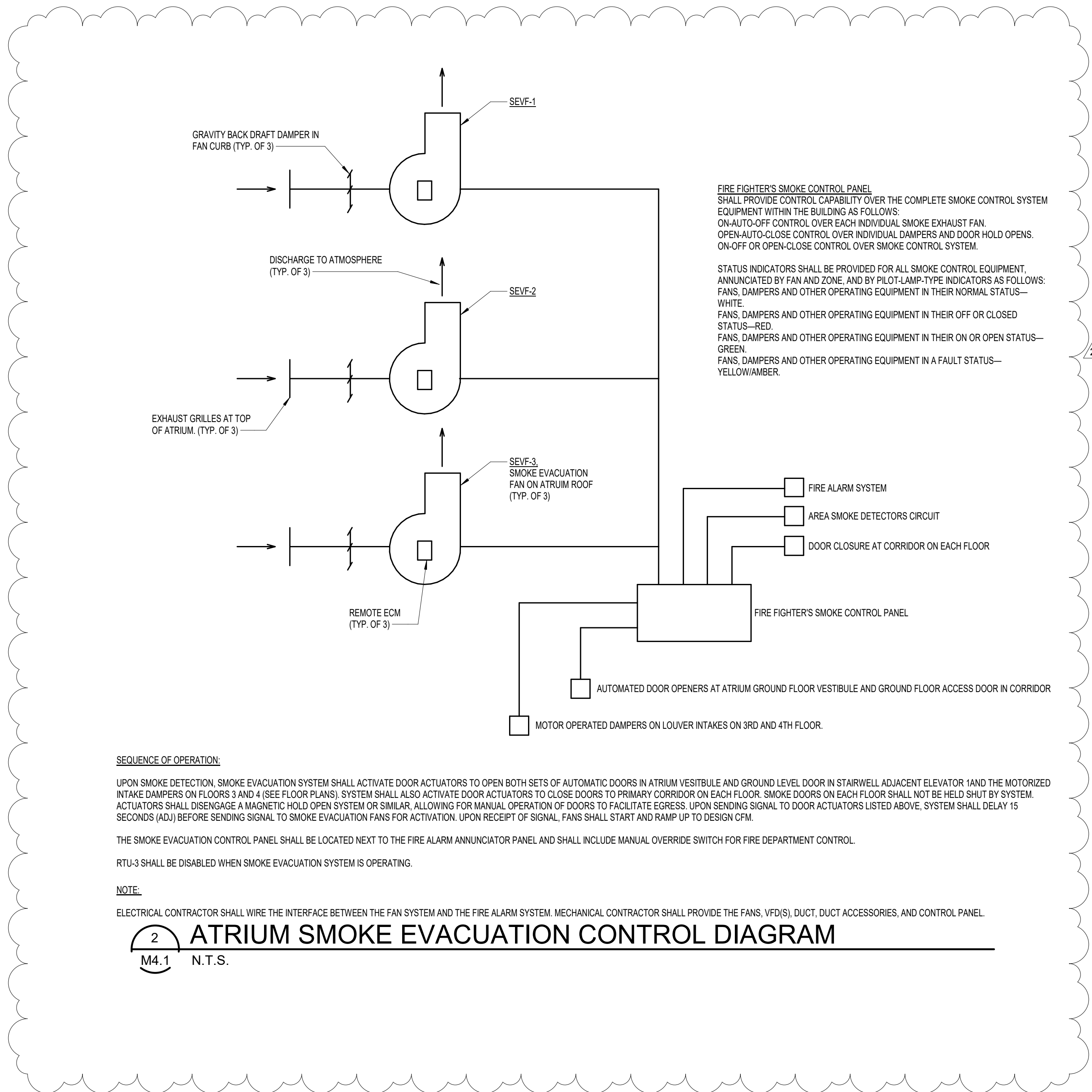
DETAILS - HVAC

DATE: February 15, 2024

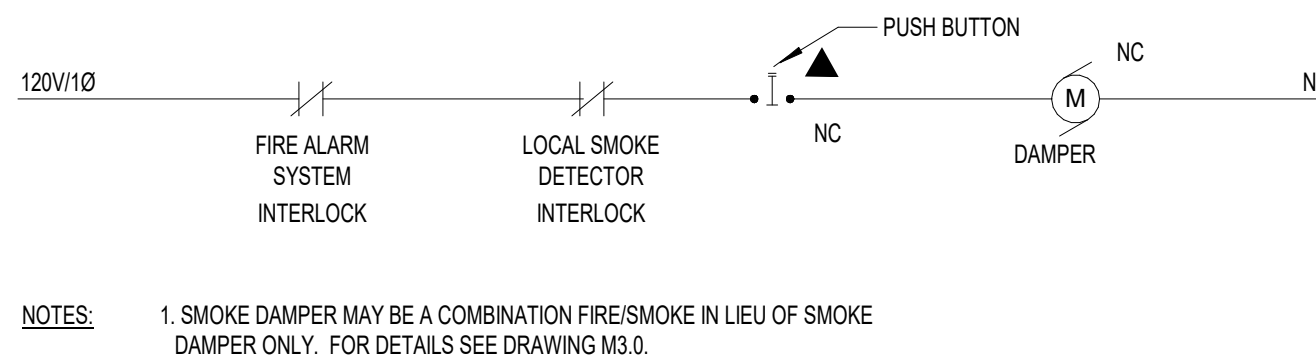
DRAWING

COMM. NO. 23104 00

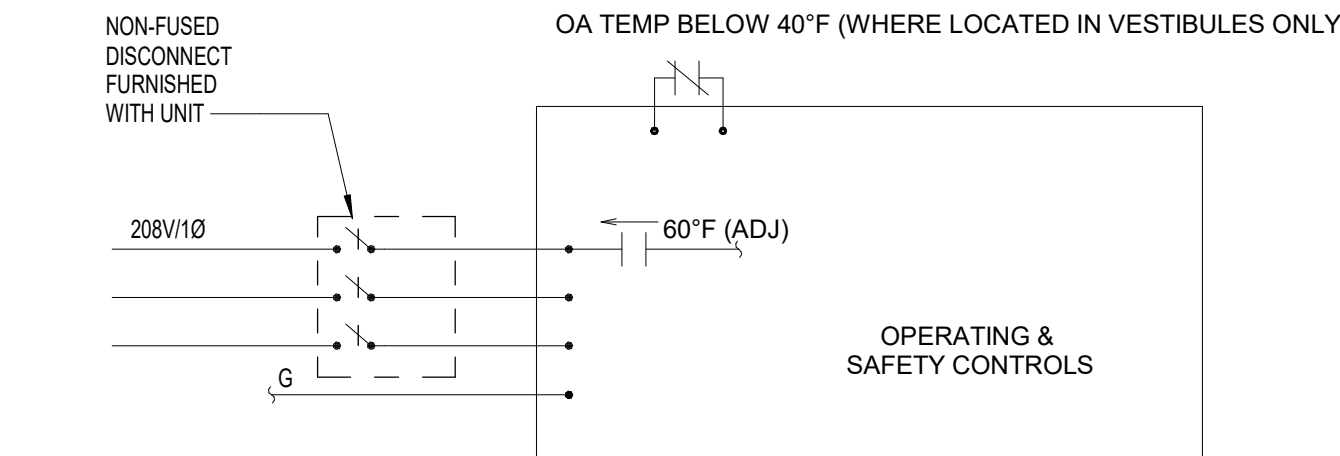
M3.1



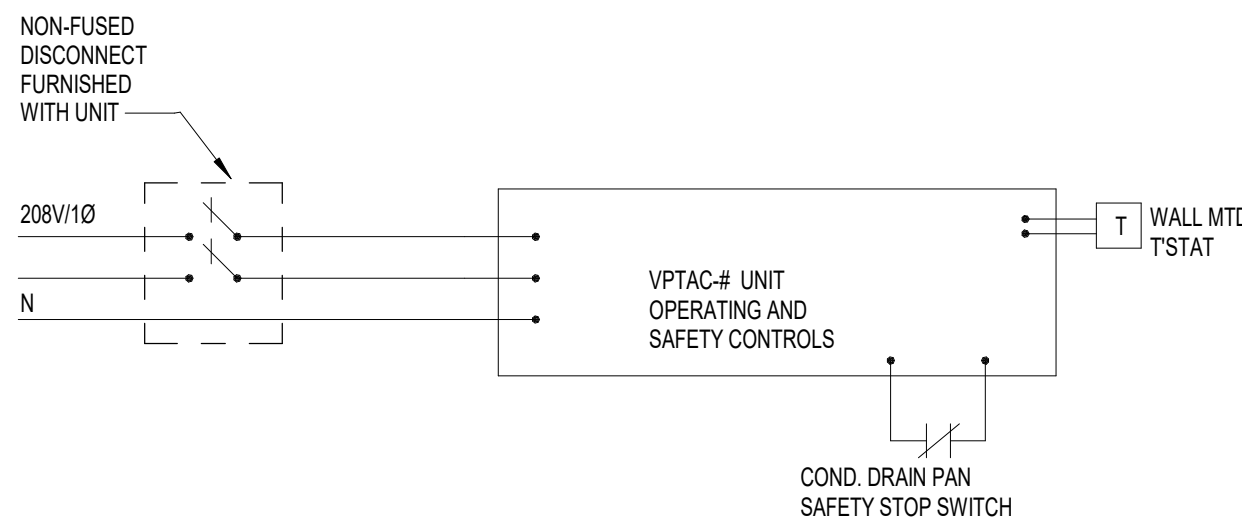
SMOKE DAMPERS & FIRE/SMOKE DAMPERS (TYPICAL)



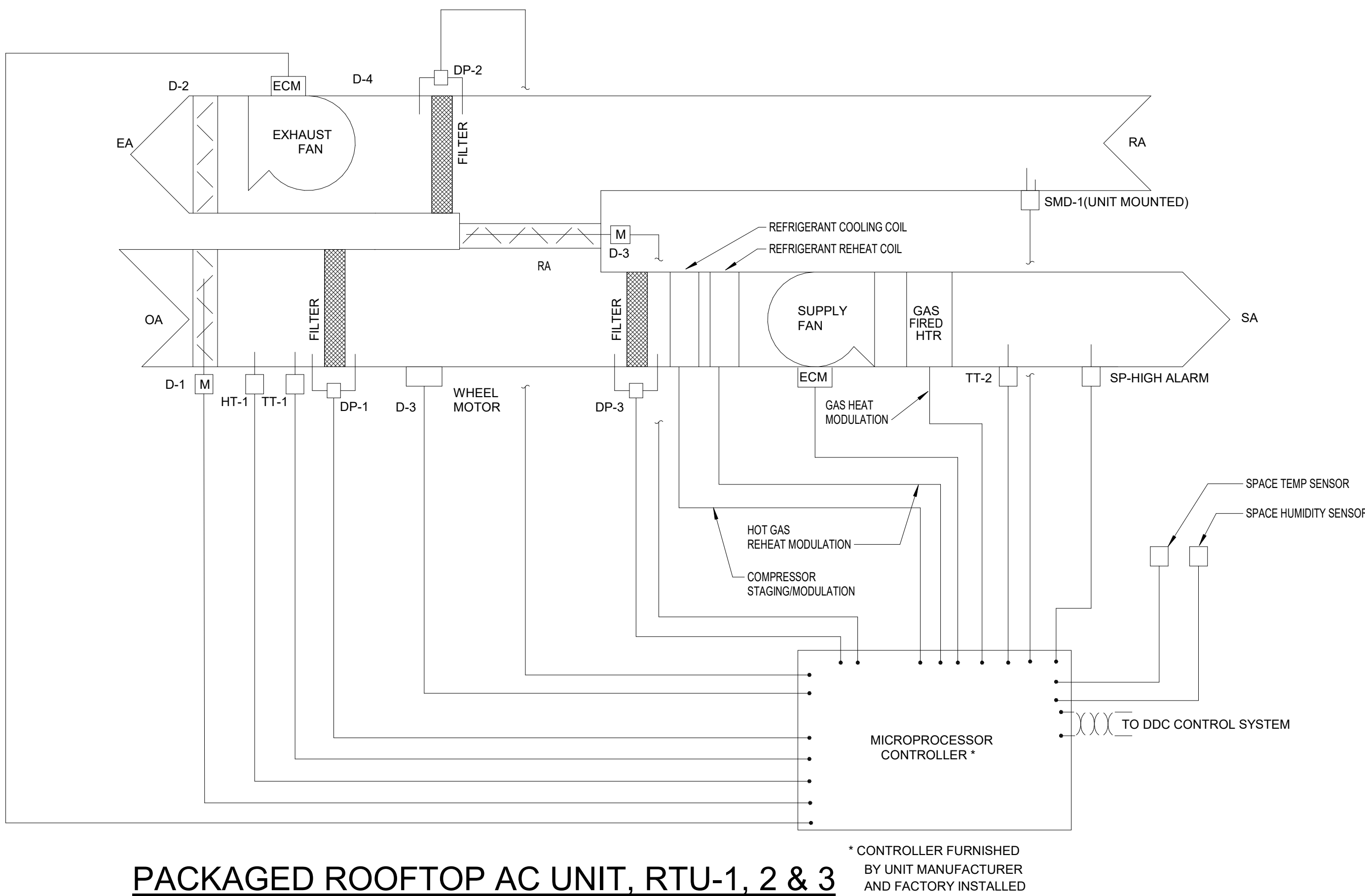
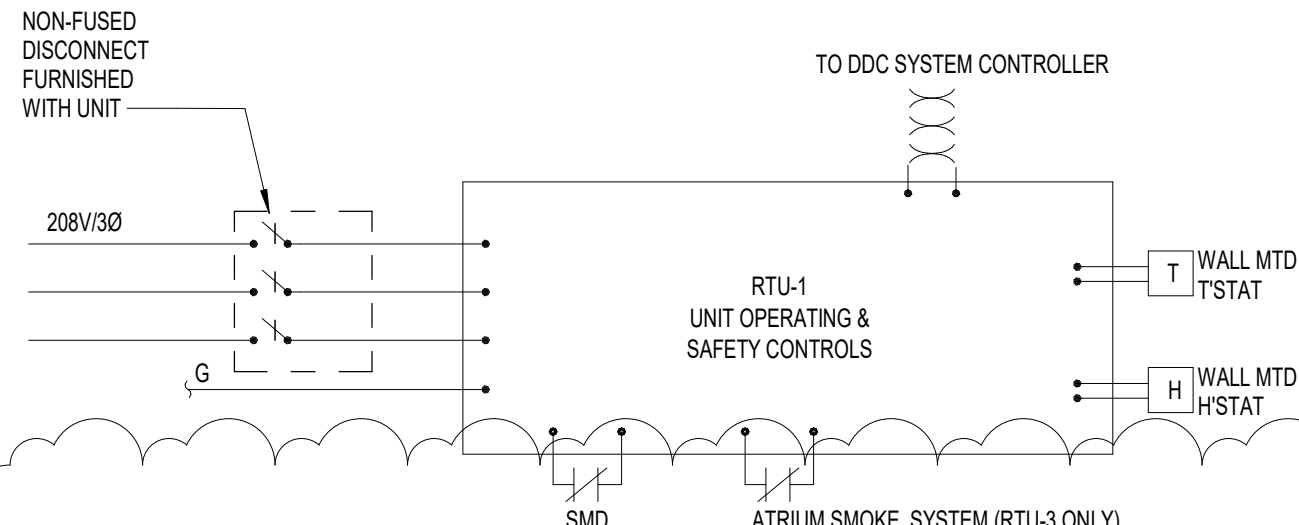
ELECTRIC WALL HEATERS (EWH)



VERTICAL PACKAGED TERMINAL AIR CONDITIONER UNITS



PACKAGED ROOFTOP AC UNIT (RTU)



GENERAL NOTES



PROJECT TITLE



COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfcsc.com

DESIGNER : DAS	DRAWN : JEB	
ARCHITECT : DAS	CHECKED : MAP	
ENGINEER : KFY	APPROVED : AJM	
NO.	REVISION DESCRIPTION	DATE
2	Rev 1 - Permit Comments	02/15/24

DRAWING TITLE

ELECTRONIC SEQUENCE CONTROLS

DATE: February 15, 2024	DRAWING
COMM. NO. 23104.00	M4.1

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	MINIMUM CM	MINIMUM HW	MINIMUM TRAP	MINIMUM SOL OR WASTE	MINIMUM VENT
	WATER CLOSETS:					
P-10	GERBER "VIPER" MODEL 21-518 ELONGATED BOWL, ADA COMPLIANT, FLOOR MOUNTED, WHITE, TANK TYPE, 1.6 GPF BOLT CAPS AND WHITE CLOSED FRONT SEAT WITH COVER, WITH SLOW CLOSE STAINLESS STEEL CHECK HINGES AND ANGLE SUPPLY WITH WHEEL HANDLE STOPS.	12"	-	-	3"	1-1/2"
P-11	GERBER "VIPER" MODEL 21-518 ELONGATED BOWL, ADA COMPLIANT, FLOOR MOUNTED, WHITE, TANK TYPE, 1.6 GPF BOLT CAPS AND WHITE OPEN FRONT SEAT WITH COVER, WITH SLOW CLOSE STAINLESS STEEL CHECK HINGES AND ANGLE SUPPLY WITH WHEEL HANDLE STOPS.	12"	-	-	3"	1-1/2"
	LAVATORIES:					
P-30	PROVIDE COMPLETE UNDER LAVATORY ANTI-MICROBIAL WASTE AND WATER PIPING PROTECTION INSULATION KITS AS MANUFACTURED BY PLUMBEREX SPECIALTY PRODUCTS, INC., OR TRUEBRO, INC. ON ALL HANDICAPPED LAVATORIES.					
P-30	LAVATORY BOWL, INTEGRAL WITH COUNTERTOP. SEE ARCHITECTURAL FINISH SPECIFICATIONS. FAUCET, PEERLESS MODEL P108LF-M SINGLE LEVER HANDLE, 1.5 GPM, CHROME FINISH. ACCESSORIES: POP UP DRAIN.	12"	1/2"	1-1/4"	1-1/2"	1-1/2"
P-31	LAVATORY BOWL, AMERICAN STANDARD "OVALNY" MODEL, 0456.221, WHITE, UNDERMOUNT BOWL, 19-1/4" X 16-1/4". FAUCET, AMERICAN STANDARD "SELECTRONIC" MODEL, 6055.105, BATTERY POWERED SENSOR FAUCET, 0.5 GPM, CHROME FINISH. ACCESSORIES: GRID DRAIN, WATTS MODEL LFUSG-6-MC POINT OF USE THERMOSTATIC MIXING VALVE CONFORMING TO ASSE 1070, WITH INTEGRAL CHECK VALVES. SET MAXIMUM OUTLET TEMPERATURE TO 110 DEGREES.	12"	1/2"	1-1/4"	1-1/2"	1-1/2"
	SINKS:					
P-40	COMPLETE UNDER SINK ANTI-MICROBIAL WASTE AND WATER PIPING PROTECTION INSULATION KITS AS MANUFACTURED BY PLUMBEREX SPECIALTY PRODUCTS, INC., OR TRUEBRO, INC. ON ALL HANDICAPPED SINKS.					
P-40	BASIN, ELKAY MODEL ELU43220, STAINLESS STEEL, DOUBLE BOWL, UNDERMOUNT SINK, 31-1/4" WIDE X 1'-8" LONG X 7-7/8" DEEP. FAUCET, PEERLESS MODEL P603SLF, SINGLE HOLE, SINGLE LEVER HANDLE, PULL DOWN SPRAY, 1.5 GPM, CERAMIC CARTRIDGE, STAINLESS STEEL FINISH. ACCESSORIES: BASKET STRAINER DRAIN ASSEMBLY, DO NOT INSTALL INCLUDED DECKPLATE.	12"	1/2"	1-1/2"	2"	1-1/2"
P-41	(BRCH UNIT E12) CEDAR UNIT E310 BASIN, ELKAY MODEL ELU4322118, STAINLESS STEEL, DOUBLE BOWL, ADA COMPLIANT, UNDERMOUNT SINK, 30-3/4" WIDE X 18-1/2" LONG X 5-1/2" DEEP. FAUCET, PEERLESS MODEL P603SLF, SINGLE HOLE, SINGLE LEVER HANDLE, PULL DOWN SPRAY, 1.5 GPM, CERAMIC CARTRIDGE, STAINLESS STEEL FINISH. ACCESSORIES: BASKET STRAINER DRAIN ASSEMBLY, DO NOT INSTALL INCLUDED DECKPLATE.	12"	1/2"	1-1/2"	2"	1-1/2"
P-42	MOP SINK, PROFLO MODEL PFM8242, MOLDED STONE, INTEGRAL DRAIN, 24" WIDE X 24" LONG X 10" DEEP. FAUCET, ZURN MODEL 2843M1 SERVICE SINK FAUCET WITH VACUUM BREAKER AND INTEGRAL CHECK VALVES AND INTEGRAL STOPS. ACCESSORIES: HOSE AND HOSE BRACKET, MOP HANGER, ADJUSTABLE WALL BRACE, PAL HOOK, STAINLESS STEEL BUMPERGUARDS ON ALL CURBS AND STAINLESS STEEL WALL GUARDS ON ALL ADJACENT WALLS.	12"	1/2"	3"	3"	1-1/2"
P-43	BASIN, ELKAY MODEL ELU43D118, STAINLESS STEEL, DOUBLE BOWL, ADA COMPLIANT, UNDERMOUNT SINK, 30-3/4" WIDE X 18-1/2" LONG X 5-1/2" DEEP. FAUCET, PEERLESS MODEL P603SLF, SINGLE HOLE, SINGLE LEVER HANDLE, PULL DOWN SPRAY, 1.5 GPM, CERAMIC CARTRIDGE, STAINLESS STEEL FINISH. ACCESSORIES: BASKET STRAINER DRAIN ASSEMBLY, DO NOT INSTALL INCLUDED DECKPLATE.	12"	1/2"	1-1/2"	2"	1-1/2"
	SHOWERS/BATHING UNITS:					
P-40	SHOWER SHALL HAVE A MAXIMUM FLOW RATE OF 2.5 GALLONS PER MINUTE. UNITS SHALL BE CONFIGURED LEFT-HAND AND RIGHT-HAND UNITS AS REQUIRED BY FLOOR PLAN LAYOUT. PROVIDE INLET CHECK STOPS ON ALL SHOWER VALVES THAT ARE CONNECTED TO HANDHELD SHOWER WANDS WITH ON/OFF CAPABILITY.					
P-40	SURROUND, COMFORT DESIGNS MODEL XSS 9038 BF, ONE PIECE, GELCOAT/FIBERGLASS SHOWER MODULE WITH 1" THRESHOLD, GRAB BARS, SEMI-PERMANENT THRESHOLD AND T-SHAPED WATER STOPPER. SHOWER TRIM, KOHLER "BANCROFT" MODEL K-10583-4 SHOWER TRIM WITH METAL LEVER HANDLE AND SHOWER HEAD WITH KOHLER RITE-TEMP K-8304-KS PRESSURE-BALANCED MIXING SHOWER VALVE WITH INTEGRAL STOPS AND CHECK VALVES, KOHLER "BANCROFT" MODEL K-10584-4 TRANSFER VALVE, GROHE MODEL 28077EMD 24 INCH SHOWER BAR WITH HAND HELD SHOWER AND 69 INCH HOSE, AND GROHE MODEL 28627EMD SHOWER OUTLET ELBOW. ALL COMPONENTS TO BE BRUSHED NICKEL FINISH. PROVIDE ALL REQUIRED MATCHING MANUFACTURER ACCESSORIES. DRAIN, PROVIDE 2" BRUSHED NICKEL FINISH SHOWER DRAIN.	12"	1/2"	2"	2"	1-1/2"
P-41	SURROUND, AQUARIUS MODEL G 6237 BF, 75, ONE PIECE, ADA COMPLIANT, ROLL-IN, GELCOAT/FIBERGLASS SHOWER MODULE WITH .75" THRESHOLD, ADA GRAB BARS, FACTORY FOLD UP SEAT, SEMI-PERMANENT THRESHOLD AND T-SHAPED WATER STOPPER. SHOWER TRIM, KOHLER "BANCROFT" MODEL K-10583-4 SHOWER TRIM WITH METAL LEVER HANDLE AND SHOWER HEAD WITH KOHLER RITE-TEMP K-8304-KS PRESSURE-BALANCED MIXING SHOWER VALVE WITH INTEGRAL STOPS AND CHECK VALVES, KOHLER "BANCROFT" MODEL K-10584-4 TRANSFER VALVE, GROHE MODEL 28077EMD 24 INCH SHOWER BAR WITH HAND HELD SHOWER AND 69 INCH HOSE, AND GROHE MODEL 28627EMD SHOWER OUTLET ELBOW. ALL COMPONENTS TO BE BRUSHED NICKEL FINISH. PROVIDE ALL REQUIRED MATCHING MANUFACTURER ACCESSORIES. DRAIN, PROVIDE 2" BRUSHED NICKEL FINISH SHOWER DRAIN.	12"	1/2"	2"	2"	1-1/2"
P-42	BATHTUB, AMERICAN STANDARD "PRINCETON" MODEL 2390.202, WHITE, ACID RESISTANT PORCELAIN FINISH. TRIM, KOHLER "BANCROFT" MODEL K-10583-4 BATH TRIM KIT WITH METAL LEVER HANDLE, SHOWER HEAD AND TUB SPOUT WITH KOHLER RITE-TEMP K-8304-KS PRESSURE-BALANCED MIXING SHOWER VALVE WITH INTEGRAL STOPS AND CHECK VALVES, KOHLER "BANCROFT" MODEL K-10584-4 TRANSFER VALVE, GROHE MODEL 28077EMD 24 INCH SHOWER BAR WITH HAND HELD SHOWER AND 69 INCH HOSE, AND GROHE MODEL 28627EMD SHOWER OUTLET ELBOW. ALL COMPONENTS TO BE BRUSHED NICKEL FINISH. PROVIDE ALL REQUIRED MATCHING MANUFACTURER ACCESSORIES. DRAIN, PROVIDE BRUSHED NICKEL FINISH TUB DRAIN ASSEMBLY WITH OVERFLOW.	12"	1/2"	1-1/2"	1-1/2"	1-1/2"
	MISCELLANEOUS:					
P-10	WASHING MACHINE CONNECTION BOX. UNIT SHALL BE RECESSED TYPE. BOX AND FACE PLATE SHALL BE CONSTRUCTED OF 16 GAUGE STEEL WITH EPOXY FINISH, OR HEAVY-DUTY PLASTIC ABS. UNIT SHALL BE FITTED WITH 2-INCH DRAIN CONNECTION WITH OVERFLOW, BOTTOM SUPPLY HOSE CONNECTIONS, AS REQUIRED. WATER HAMMER ARRESTORS CONFORMING TO ASSE 1010. BOXES LOCATED ON RATED CORRIDOR OR RATED UNIT SEPARATION WALL SHALL BE A FIRE-RATED BOX ASSEMBLY APPROVED FOR FIRE-RATED INSTALLATION.	12"	1/2"	2"	3"	1-1/2"
P-21	ICE MAKER CONNECTION BOX. UNIT SHALL BE RECESSED TYPE. BOX AND FACE PLATE SHALL BE CONSTRUCTED OF 16 GAUGE STEEL WITH EPOXY FINISH, OR HEAVY-DUTY PLASTIC ABS. UNIT SHALL BE FITTED WITH CHROME PLATED SUPPLY VALVE. BOXES LOCATED ON RATED CORRIDOR OR RATED UNIT SEPARATION WALL SHALL BE A FIRE-RATED BOX ASSEMBLY APPROVED FOR FIRE-RATED INSTALLATION. MOUNT BOTTOM OF BOX ABOVE TRIMBASEBOARD.	12"	-	-	-	-
WH	FREEZE PROOF, AUTOMATIC DRAINING CHROME-PLATED WALL HYDRANT EQUAL TO WOODFORD MODEL #55, MOUNTED 24" ABOVE FINISHED GRADE.	3/4"	-	-	-	-
TP	PROVIDE BRONZE TRAP PRIMER VALVE WITH AUTOMATIC VACUUM BREAKER COMPLYING WITH ASSE 1016 WITH 1/2" CONNECTIONS MATCHING PIPING SYSTEM. PROVIDE TRAP PRIMERS BY PRECISION PLUMBING PRODUCTS, INC.; JOSAM, MFG. CO.; ZURN INDUSTRIES, INC.; SMITH MFG. CO.; OR WATTS DRAINAGE.	1/2"	-	-	-	-
PH	ZURN Z1395 ROOF POST HYDRANT, NON FREEZE, WITH VACUUM BREAKER, 3/4" HOSE CONNECTION, DEPTH OF BURY TO BE BASED UPON 4 FEET SO THAT DRAIN PORT IS LOCATED BELOW ATTIC INSULATION IN CEILING SPACE OF ROOM BELOW. FIELD VERIFY DEPTH OF BURY PRIOR TO ORDERING.	3/4"	-	-	-	-
WHA	EQUAL TO ZURN Z1700 WATER HAMMER ARRESTOR.	3/4"	-	-	-	-

- FIXTURES SHALL BE PROVIDED WITH ALL ITEMS, ARTICLES, MATERIALS AND INCIDENTALS, AS REQUIRED, INCLUDING ALL LABOR NECESSARY FOR A COMPLETE PLUMBING INSTALLATION.
- THE PLUMBING CONTRACTOR SHALL CLEAN ALL FIXTURES, POLISH ALL METAL PARTS, CHECK AND ADJUST ALL FITTINGS, FAUCETS AND VALVES. ALL OPERATING INSTRUCTIONS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR FOR PRESENTATION TO THE OWNER.
- PROVIDE INDIVIDUAL STOPS ON ALL PLUMBING FIXTURES.
- ALL LAVATORY, SINK, LAUNDRY TUB, WATER COOLER AND SIMILAR FIXTURE TRAPS, INCLUDING THOSE MOUNTED IN CASEWORK, SHALL BE CHROME PLATED, CAST BRASS, MINIMUM 17-GAUGE, ADJUSTABLE TYPE WITH CLEANOUT PLUG.
- PROVIDE CHROME PLATED ANGLE STOPS WITH WHEEL HANDLES AT FIXTURE SUPPLY THROUGH WALLS, INCLUDING THOSE MOUNTED IN CASEWORK.
- ALL EXPOSED SUPPLY PIPES, STOPS, FLEXIBLE RISERS, INCLUDING THOSE MOUNTED IN CASEWORK, SHALL HAVE A POLISHED CHROME PLATED FINISH AND BE OF THE SAME MANUFACTURER THROUGHOUT THE JOB.
- ALL EXPOSED SUPPLY PIPES, STOPS, P-TRAP, AND ANY WASTE PIPE IN ADA ACCESSIBLE LOCATIONS SHALL HAVE ADA COMPLIANT UNDER-SINK PROTECTION.
- PROVIDE CHROME PLATED ESCUTCHEONS AT ALL FIXTURE SUPPLY AND WASTE PIPE PENETRATIONS THROUGH WALLS, INCLUDING THOSE MOUNTED IN CASEWORK.
- ALL WATER CLOSET FLUSHING MECHANISMS ON HANDICAP WATER CLOSETS SHALL BE INSTALLED ON THE "WIDE SIDE" OF EACH WATER CLOSET TO MAINTAIN ADA ACCESSIBILITY.
- PROVIDE INLET CHECK STOPS ON ALL FIXTURES (I.E. MOP SINKS, KITCHEN PRE-RINSE SPRAY UNITS, SHOWER VALVES, SPA BATHING UNITS AND SIMILAR FIXTURE(S) SUSCEPTIBLE TO BACKFLOW/CROSS CONNECTION SITUATIONS.
- PROVIDE CONCEALED FIXTURE CARRIERS AND SUPPORTS OF PROPER TYPE AND DESIGN TO SUIT JOB CONDITIONS. PROVIDE CARRIERS BY J.R. SMITH MFG. CO.; ZURN INDUSTRIES, INC.; JOSAM MFG. CO.; WADE DIVISION/TYLER PIPE.
- PLUMBING FIXTURE COLORS SHALL BE SELECTED BY ARCHITECT/OWNER AT A LATER DATE FROM STANDARD FACTORY COLORS, UNLESS OTHERWISE NOTED TO BE DESIGNER COLOR IN SCHEDULE.
- PLUMBING FIXTURES AND TRIM SPECIFIED IN THIS SCHEDULE ARE TO ESTABLISH A STANDARD LEVEL OF QUALITY. OTHER MANUFACTURERS MAY BE CONSIDERED EQUAL. SEE LISTINGS BELOW FOR SOME MANUFACTURERS CONSIDERED EQUALS. OTHER MANUFACTURERS NOT LISTED BELOW MAY ALSO BE CONSIDERED WITH WRITTEN APPROVALS OBTAINED FROM ARCHITECT AND/OR ENGINEER PRIOR TO TEN DAYS BEFORE BIDS ARE DUE.
 - VITREOUS CHINA PLUMBING FIXTURES: AMERICAN STANDARD, SLOAN, KOHLER, PROFLO, ZURN
 - MOP SINKS, LAUNDRY TUBS: FIAT, E.L. MUSTEE, PROFLO, STERN WILLIAMS
 - STAINLESS STEEL SINKS: ELKAY, DAYTON, JUST, PROFLO
 - FAUCETS, SHOWER VALVES AND TRIM, FLUSH VALVES: AMERICAN STANDARD, KOHLER, SLOAN, ELKAY, MOEN, T&S BRASS, DELTA, CHICAGO, PROFLO
 - SHOWER AND TUBS: COMFORT DESIGNS, BEST BATH, AQUA BATH, AQUARIUS, AMERICAN STANDARD, KOHLER, AQUATIC (LASCO)
- PROVIDE SHOP DRAWINGS/SUBMITTAL AND OPERATIONS MANUAL FOR ALL ITEMS LISTED ABOVE IN PLUMBING FIXTURE SCHEDULE.
- MINIMUM SIZES IN SCHEDULE ABOVE REPRESENT MINIMUM PLUMBING FIXTURE CONNECTIONS ALLOWED AND DOES NOT REFLECT SPECIAL SITUATIONS SUCH AS WET VENTING, WASTE STACK VENTS, COMBINATION WASTE AND VENT SYSTEMS, ETC. REFER TO PLANS AND/OR RISER DIAGRAMS FOR PIPE SIZES AND ADDITIONAL INFORMATION.

PLUMBING DRAINS/CLEANOUT SCHEDULE

PROVIDE SHOP DRAWINGS/SUBMITTAL AND OPERATIONS MANUAL FOR ALL ITEMS LISTED BELOW.	
	CLEANOUTS: CLEANOUTS SHALL BE LINE SIZE UP TO 4". FOR PIPE SIZES LARGER THAN 4" PROVIDE A 4" CLEANOUT, WHERE ALLOWED BY CODE AND AUTHORITY HAVING JURISDICTION. ALL EXTERIOR AND IN-LINE CLEANOUTS SHALL BE TWO-WAY.
CO	EXPOSED HORIZONTAL OR VERTICAL CLEANOUT IN PIPING EXPOSED OR CONCEALED ABOVE ACCESSIBLE CEILINGS.
FOC	(REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR FINISH INFORMATION. PROVIDE CLEANOUTS AS DESCRIBED BELOW) <ol style="list-style-type: none">WHERE SHEET VINYL FLOORING SIMILAR TO ALTRO, PROTECTALL AND ETC. IS INSTALLED, PROVIDE WATTS MODEL CO-200-RFC7 FLOOR CLEANOUT WITH SURFACE MEMBRANE CLAMP.FOR AREAS WHERE CARPET WILL BE INSTALLED, PROVIDE ROUND ADJUSTABLE CLEANOUT WITH CARPET MARKER.BACK OF HOUSE AREAS (I.E. KITCHEN, UTILITY ROOMS, LAUNDRY ROOMS AND SIMILAR SPACES) WHERE TILE FLOORS ARE TO BE INSTALLED, PROVIDE SQUARE ADJUSTABLE CLEANOUT WITH STAINLESS STEEL COVER.IN PUBLIC AREAS (I.E. DINING ROOMS, CORRIDORS, OFFICES, CONFERENCE ROOMS AND SIMILAR SPACES) WHERE TILE FLOORS ARE TO BE INSTALLED, PROVIDE SQUARE ADJUSTABLE CLEANOUT WITH RECESS TILE COVER.IN AREAS SUBJECT TO TRAFFIC (I.E. PARKING GARAGES, PARKING SPACES AND SIMILAR SPACES) PROVIDE HEAVY DUTY/TRAFFIC RATED CLEANOUT COVER.
GOO	CLEANOUT TO GRADE WITH HEAVY DUTY ACCESS COVER CAST IN A 12" X 12" X 4" THICK CONCRETE PAD. (PAD MAY BE ELIMINATED IN POURED CONCRETE SIDEWALKS, DRIVEWAYS, PATIOS, ETC.)
WCO	PROVIDE CLEANOUT IN VERTICAL PIPE WITH STAINLESS STEEL ACCESS COVER. (WHERE PIPES ARE CONCEALED IN WALLS OR CHASES).
RO	ROOF/OVERFLOW DRAINS: ACCEPTABLE MANUFACTURERS: ZURN, WATTS, JOSAM, JAY R. SMITH, FROET INDUSTRIES, MEMBRANE FLASHING CLAMP/GRAVEL GUARDS, SUMP RECEIVER, UNDERDECK CLAMPING DEVICE, EXTENSION COLLAR TO SUIT THICKNESS OF INSULATION.
OD	OVERFLOW DRAIN - EQUAL TO ZURN Z100-W2. DRAIN SHALL HAVE DURA-COATED CAST IRON BODY WITH POLY-DOME INTERNAL OVERFLOW WATER DAM. COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARDS, SUMP RECEIVER, UNDERDECK CLAMPING DEVICE, EXTENSION COLLAR TO SUIT THICKNESS OF INSULATION.
ODS	OVERFLOW DISCHARGE SPOUT - EQUAL TO FROET INDUSTRIES MODEL LPS. OVERFLOW DISCHARGE SPOUT, STAINLESS STEEL FRAME WITH STAINLESS STEEL HINGED STRAINER.
FD-1	(GENERAL PURPOSE, BACK OF HOUSE, CONCRETE FLOORS) - FLOOR DRAIN EQUAL TO ZURN ZN419B. DURA-COATED CAST IRON BODY WITH INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS. TYPE "B" ROUND NICKEL BRONZE STRAINER, 3" STRAINER FOR 2" OUTLET, 4" STRAINER FOR 3" OUTLET AND 6" STRAINER FOR 4" SEEPAGE SLOTS. TYPE "B" ROUND NICKEL BRONZE STRAINER, 5" STRAINER FOR 2" OUTLET, 6" STRAINER FOR 3" OUTLET AND 8" STRAINER FOR 4" OUTLET.
FS-1	(TILE FLOORS, CONCRETE FLOORS) - FLOOR SINK - EQUAL TO ZURN ZN1900. 4" BOTTOM OUTLET, CAST-IRON BODY, ANTI-SPLASH INTERIOR AND SEDIMENT BUCKET, NICKEL BRONZE 1/2 GRATE, 12" SQUARE BY 6" DEEP.

PLUMBING SYMBOLS AND ABBREVIATIONS LEGEND

DIRECTION OF FLOW		AW	AIR ADMITTANCE VALVE
PIPE TURNING UP		AD	AREA DRAIN
PIPE TURNING DOWN		AFF	ABOVE FINISHED FLOOR
BRANCH CONNECTION - TOP		AFG	ABOVE FINISHED GRADE
BRANCH CONNECTION - BOTTOM		AHJ	AUTHORITY HAVING JURISDICTION
BRANCH CONNECTION - SIDE		BFP	BACKFLOW PREVENTER
SERVICE VALVE (BALL OR GATE)		BP	BOOSTER PUMP
SERVICE VALVE (BUTTERFLY)		BTUH	BRITISH THERMAL UNIT/HOUR
CHECK VALVE		CFH	CUBIC FEET PER HOUR
DI-ELECTRIC UNION		CLG	CEILING
PIPE CAP OR BLIND FLANGE		CO	CLEANOUT
OUTLETS/FIXTURE STOPS (GAS, AIR, VACUUM, OXYGEN)		CP	CIRCULATION PUMP
PRESSURE REDUCING VALVE		CW	COLD WATER
FLEXIBLE PIPE CONNECTION OR JOINT		DD	DECK DRAIN
HOSE BIBB OR FREEZEPROOF WALL HYDRANT		DN	DOWN
GAS SHUT-OFF VALVE		DWV	DRAINAGE, WASTE AND VENT
GAS SOLENOID VALVE		EA	EACH
CONNECT NEW TO EXISTING		ET	EXISTING
POINT OF DISCONNECTION		F	FAHRENHEIT
COLD WATER PIPING		FCO	FLOOR CLEANOUT
HOT WATER SUPPLY (NUMBER DENOTES TEMPERATURE, NO NUMBER INDICATES 120°F TEMPERATURE SYSTEM)		FD	FLOOR DRAIN
HOT WATER RETURN (NUMBER DENOTES TEMPERATURE, NO NUMBER INDICATES 120°F TEMPERATURE SYSTEM)		PFE	FINISHED FLOOR ELEVATION
SANITARY SEWER PIPING		FL	FLOOR
VENT PIPING		FT	FEET
ROOF DRAIN STORM PIPING		FU	FIXTURE UNIT
OVERFLOW DRAIN STORM PIPING		G	GAS
GREASE WASTE PIPING		GAL	GALLON
NATURAL GAS PIPING		GCO	GRADE CLEANOUT
PIPE REFERENCE		GPD	GALLONS PER DAY
		GPH	GALLONS PER HOUR
		GPM	GALLONS PER MINUTE
		GW	GREASE WASTE
		HB	HOSE BIBB
		HD	HEAD
		HP	HORSEPOWER
		HTR	HEATER
		HW	HOT WATER
		HWHR	HOT WATER RETURN
		IE	INVERT ELEVATION
		KW	KILOWATT
		L	LAVATORY
		MIN	MINIMUM
		NC	NORMALLY CLOSED
		NO	NORMALLY OPEN
		OD	OVERFLOW DRAIN
		PD	PARKING DRAIN
		PRV	PRESSURE REDUCING VALVE
		PSI	POUNDS PER SQUARE INCH
		PVC	POLYVINYL CHLORIDE
		RAC	ROUTE ABOVE CEILING
		RBF	ROUTE BELOW FLOOR
		RD	ROOF DRAIN
		SD	STORM DRAIN
		SEP	SEWAGE EJECTOR PUMP
		SF	SQUARE FEET
		SH	SHOWER
		SP	SUMP PUMP
		SS	SANITARY SEWER
		SIS	STAINLESS STEEL
		TD	TRENCH DRAIN
		TMV	THERMOSTATIC MIXING VALVE
		TRP	TRAP PRIMER
		V	VENT
		VTR	VENT THRU ROOF
		W	WASTE
		WC	WATER COLUMN
		WCO	WALL CLEANOUT
		WH	WALL HYDRANT
		WHA	WATER HAMMER ARRESTOR
		WTR	WATER

SOME SYMBOLS ABOVE MAY BE SHOWN WITH DOUBLE LINE PIPING IN LIEU OF SINGLE LINE PIPING AND MAY NOT APPEAR AS INDICATED ABOVE. THESE SYMBOLS WILL BE NOTED ON PLANS WHERE APPLICABLE.

THESE SYMBOLS AND ABBREVIATIONS ARE PLUMBING DEPARTMENT STANDARDS AND MAY NOT NECESSARILY BE APPLICABLE TO, OR APPEAR ON THESE DRAWINGS, HOWEVER, WHERE THESE SYMBOLS DO OCCUR ON THE DRAWINGS, THE ITEM SHALL BE PROVIDED AND INSTALLED. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL ABBREVIATIONS.

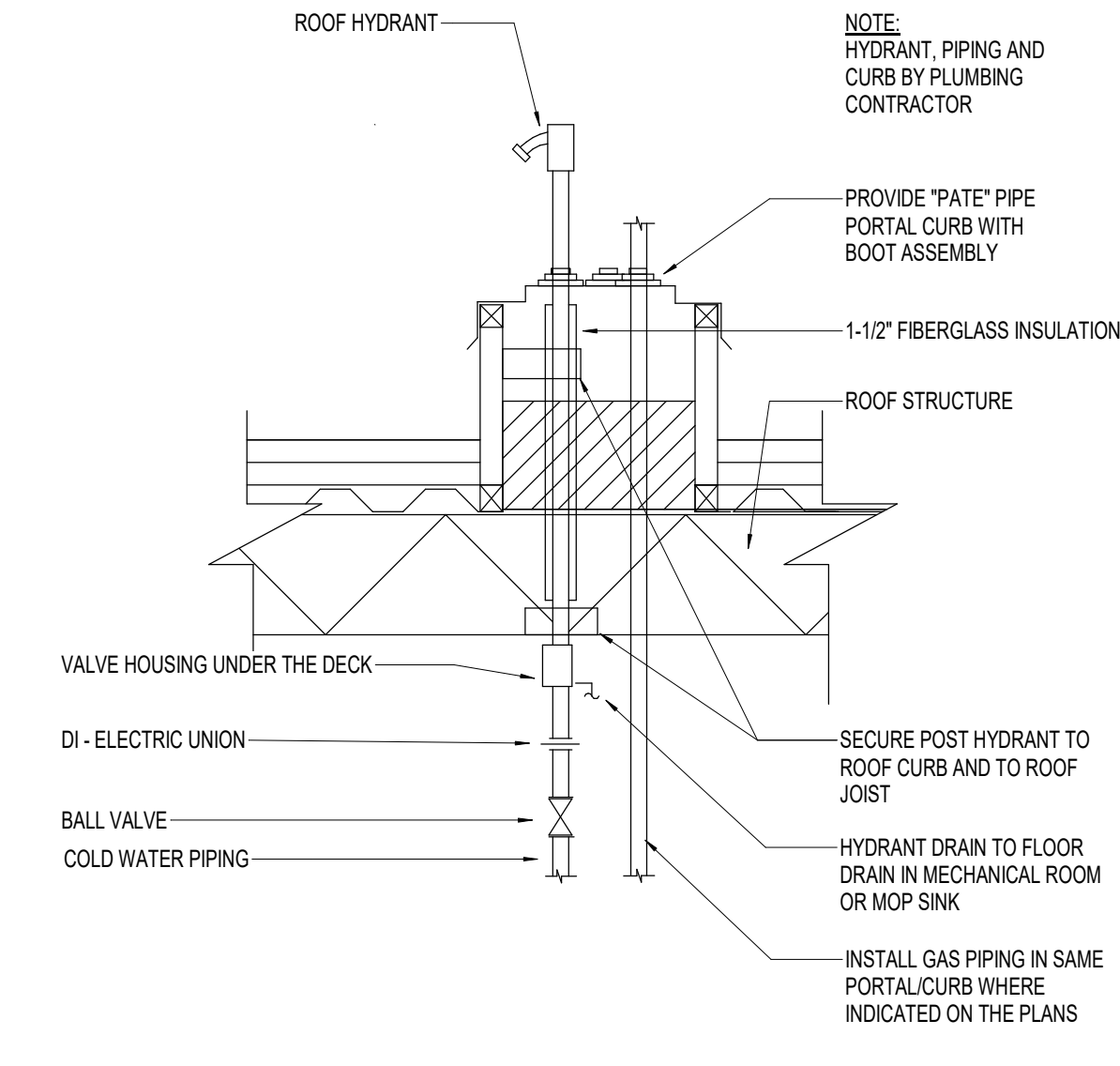
GENERAL PLUMBING NOTES

- THE PLUMBING CONTRACTOR SHALL DETERMINE NECESSARY INVERT ELEVATIONS FOR PROPER DRAINAGE AND CONNECTION INTO SEWERS. ALL INVERT ELEVATIONS SHALL BE SET PRIOR TO INSTALLATION.
- ALL PIPING PASSING THROUGH FIRE RATED OR FIRE AND SMOKE RATED ASSEMBLIES SHALL BE SLEEVED AND FIRESTOPPED. FIRESTOPPING SHALL COMPLY WITH U.L. LISTING AND REQUIREMENTS FOR ASSEMBLY TYPE BEING PENETRATED.
- PLUMBING CONTRACTOR SHALL NOT CORE DRILL OR DISTURB ANY STRUCTURAL MEMBERS WITHOUT WRITTEN AUTHORIZATION BY THE ARCHITECT AND/OR STRUCTURAL ENGINEER.
- PLUMBING CONTRACTOR SHALL COORDINATE PIPING LOCATIONS AND ROUTING WITH OTHER PIPING DUCTWORK AND ELECTRICAL CONDUIT INSTALLATIONS. PLUMBING CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS TO ESTABLISH WHERE FURR-DOWNS AND SOFFITS OCCUR AND DIMENSIONS OF SAME SO THAT DISTANCES AND PIPING ROUTING CAN BE PROPERLY COORDINATED. ALL PIPING SHALL BE ROUTED IN A CONCEALED MANNER.
- PLUMBING CONTRACTOR SHALL AVOID LOCATING HW/NO PIPING IN LOCATIONS WHERE POSSIBILITY OF FREEZING OF SAME EXISTS. CONTRACTOR SHALL ADVISE ENGINEER WHERE THIS CONDITION MAY OCCUR PRIOR TO ROUGH-IN.
- ALL ADA ACCESSIBLE LAVATORIES AND SINKS WITH EXPOSED WATER AND DRAIN PIPES SHALL BE INSULATED TO PROTECT AGAINST CONTACT PER ADA REQUIREMENTS. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES.
- ALL PLUMBING WORK SHALL BE INSTALLED IN COMPLIANCE WITH ALL STATE AND LOCAL CODES.
- COORDINATE ROUTING OF ALL PIPING WITH THE ELECTRICAL CONTRACTOR SO AS NOT TO ROUTE ANY PLUMBING LINES OVER ELECTRICAL PANELS, SWITCHGEAR, ETC.
- REFER TO SPECIFICATION SECTION 231123 FACILITY NATURAL-GAS PIPING FOR GAS PIPING AND INSTALLATION INFORMATION.
- ACCESS DOORS TO VALVES, CLEANOUTS AND ETC. TO BE EQUAL TO "ACUDOR" DW OR FW SERIES. ACCESS DOORS FOR DRYWALL INSERTS PROVIDE FIRE RATED ACCESS DOORS WHERE REQUIRED. COORDINATE WITH GENERAL CONTRACTOR AND VERIFY EXACT LOCATIONS AND SIZES ON SITE. PAINT TO MATCH CEILING OR WALL.
- PLASTIC PIPING SHALL NOT BE INSTALLED IN ANY SPACE THAT IS A RETURN AIR PLENUM. COORDINATE WITH MECHANICAL CONTRACTOR FOR PLENUM LOCATIONS PRIOR TO INSTALLATION OF ANY PIPING. ONLY PLASTIC PIPING THAT IS APPROVED FOR PLENUM SPACES AND IS APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION MAY BE INSTALLED IN RETURN AIR PLENUMS.
- PIPING AND EQUIPMENT HANGERS SHALL BE SPACED IN A SYSTEMATIC RANDOM PATTERN AS REQUIRED TO ELIMINATE OVERLOADING INDIVIDUAL STRUCTURAL MEMBERS. THE ESTIMATED WEIGHT ASSIGNED TO PIPE AND EQUIPMENT HANGERS SHALL BE DETERMINED BY THE PLUMBING CONTRACTOR AND SUBMITTED TO THE GENERAL CONTRACTOR FOR REVIEW, COORDINATION AND APPROVAL PRIOR TO INSTALLATION. THIS REQUIREMENT APPLIES TO ALL PLUMBING PIPING.

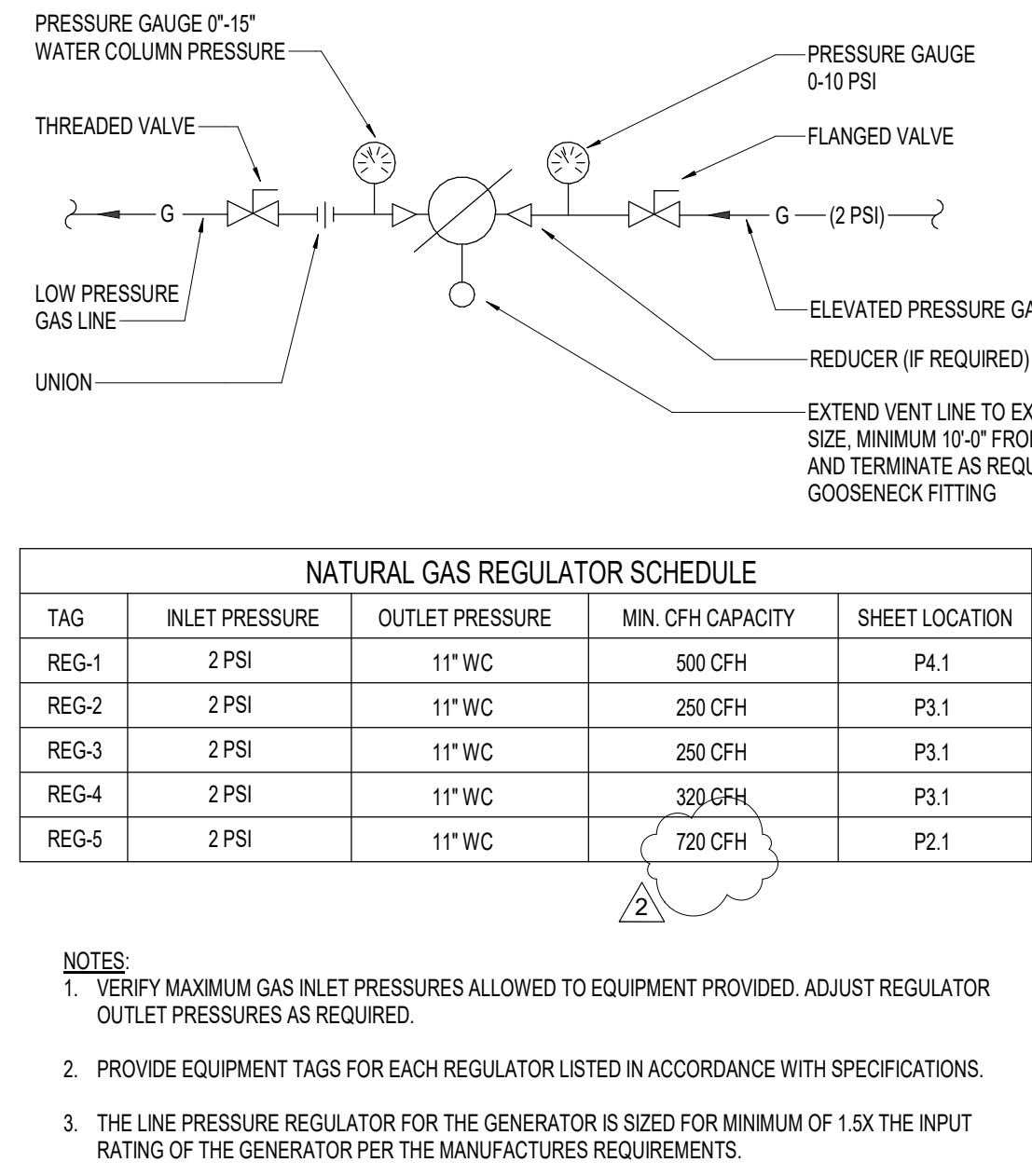
EQUIPMENT SCHEDULE

PROVIDE SHOP DRAWINGS/SUBMITTAL AND OPERATIONS MANUAL FOR ALL ITEMS LISTED BELOW. PROVIDE EQUIPMENT TAGS PER SPECIFICATIONS FOR ALL ITEMS LISTED IN THIS SCHEDULE.	
WTR-HTR-1 WTR-HTR-2	WATER HEATER - EQUAL TO A.O. SMITH MODEL NO 87H-250 NATURAL GAS FIRED ASME WATER HEATER WITH GLASS TANK LINING AND CONDENSATE NEUTRALIZING KIT. HEATER TO HAVE 100 GALLON NOMINAL STORAGE CAPACITY WITH RECOVERY CAPACITY OF 327 GPH AT 80°F TEMPERATURE RISE. 250 CFH INPUT RATINGS, 120V ELECTRICAL CONNECTION.
ET-1	THERMAL EXPANSION COMPENSATOR - EQUAL TO AMTROL ST-25V-C, ASME RATED, 10.3 GALLON CAPACITY.
TMV-1	THERMOSTATIC MIXING VALVE - EQUAL TO LEONARD VALVE "NUCLEUS" MODEL NV-200-LF, 115 GPM AT 10 PSIG PRESSURE LOSS, 200 PSIG MAXIMUM OPERATING PRESSURE, TEMPERATURE OUTLET RANGE OF 80°F - 140°F, WITH ABILITY TO CONTROL TEMPERATURE 1/2° OF SETPOINT, PROVIDE WALL MOUNTING BRACKET, 120V ELECTRICAL CONNECTION.
SP-1 SP-2	ELEVATOR SUMP PUMP - EQUAL TO STANCOR SE-50 ELEVATOR SUMP PUMP, 1/2 HP, 120V, 1 PHASE. PROVIDE WITH WATER LEVEL PROBE AND CONTROL PANEL.
BFP-1 BFP-2	BACKFLOW PREVENTER - EQUAL TO ZURN MODEL NO. 975X3 WITH 2" CONNECTIONS, PROVIDE WITH AIR GAP ASSEMBLY, BALL VALVES, AND WYE STRAINER ON INLET SIDE OF VALVE.
CP-1 CP-2	HOT WATER RECIRCULATION PUMP - EQUAL TO BELL AND GOSSETT EDOCRIC MODEL 55-45, VARIABLE SPEED WITH CAPACITY OF 25 GPM @ 25 FT HEAD, 1/2 HP, 208V, 1 PHASE, STAINLESS STEEL CONSTRUCTION.

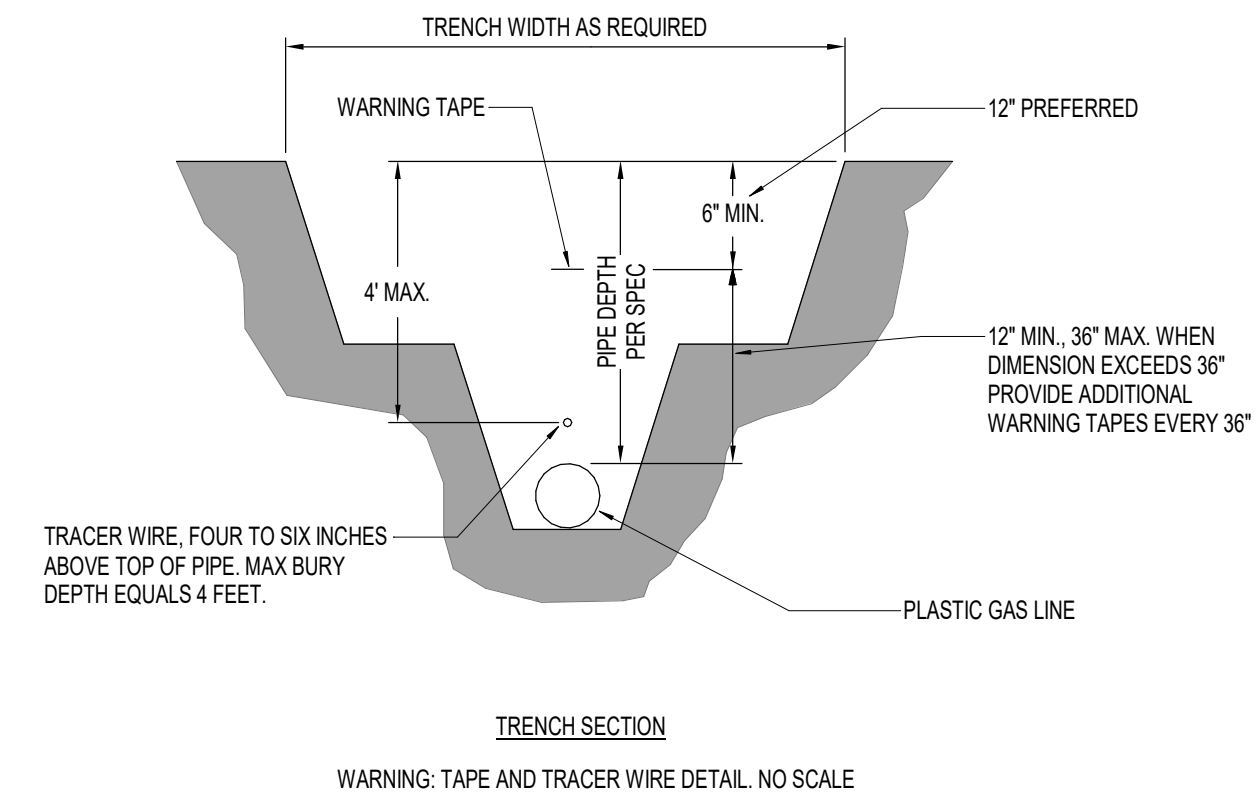
12 ROOF HYDRANT DETAIL
P0.1 N.T.S.



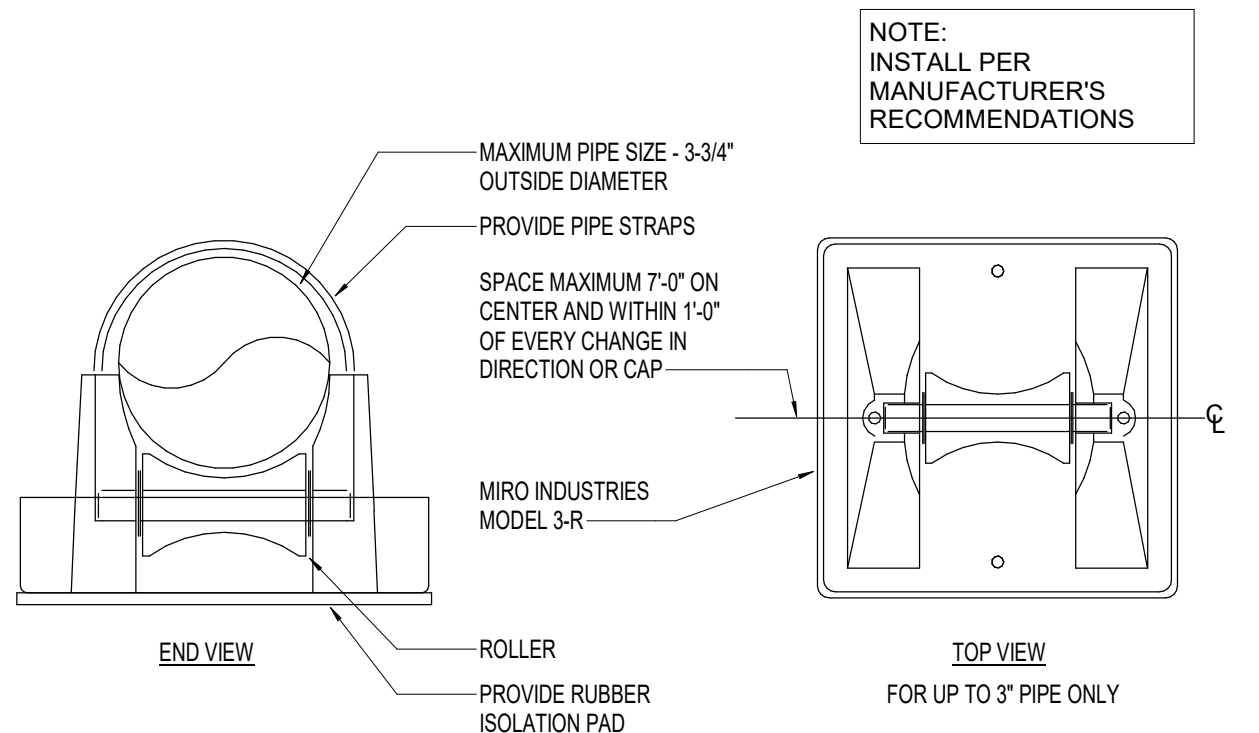
8 NG PRESSURE REGULATOR PIPING & SCHEDULE
P0.1 N.T.S.



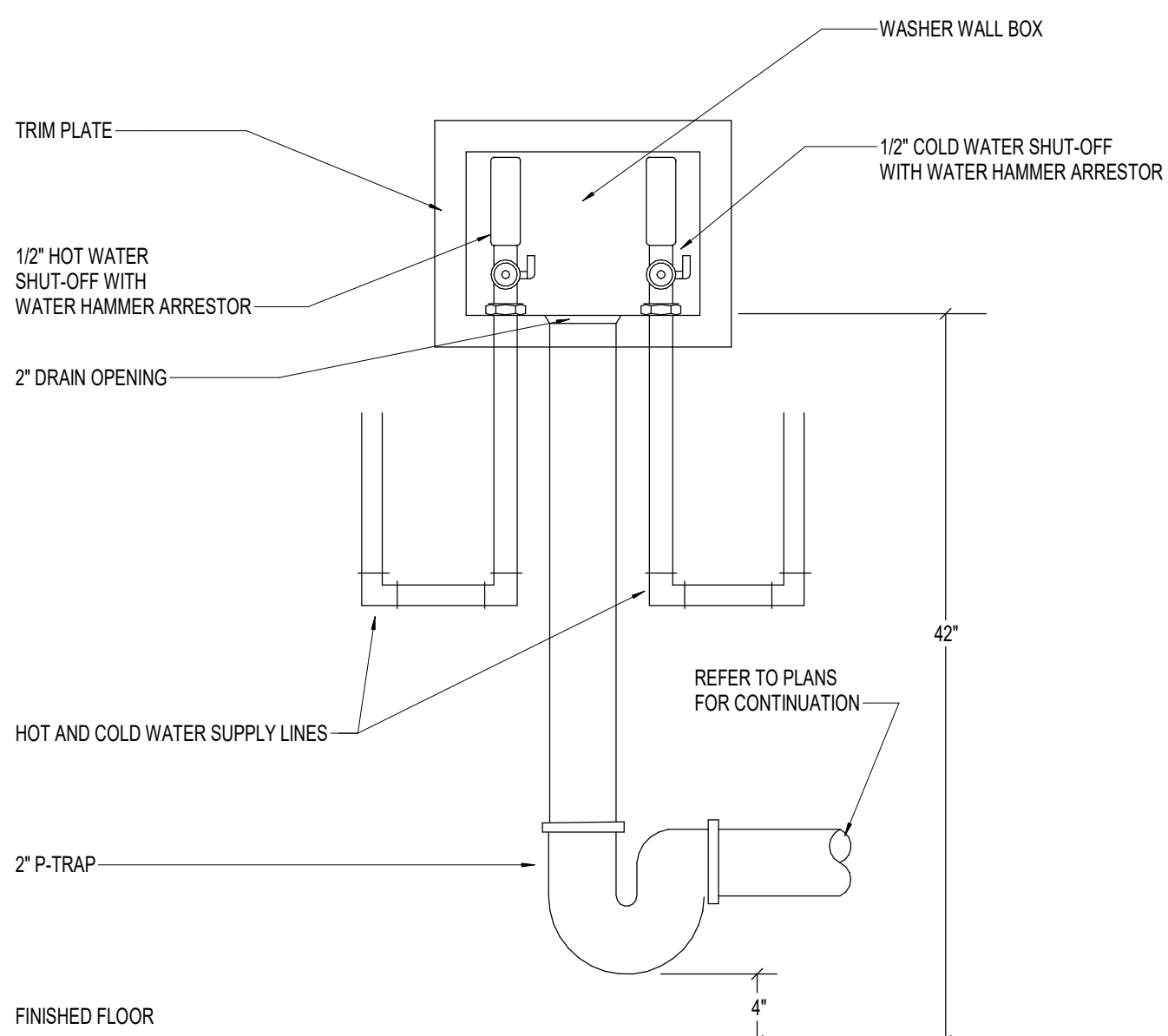
11 WARNING TAPE AND TRACER WIRE DETAIL
P0.1 N.T.S.



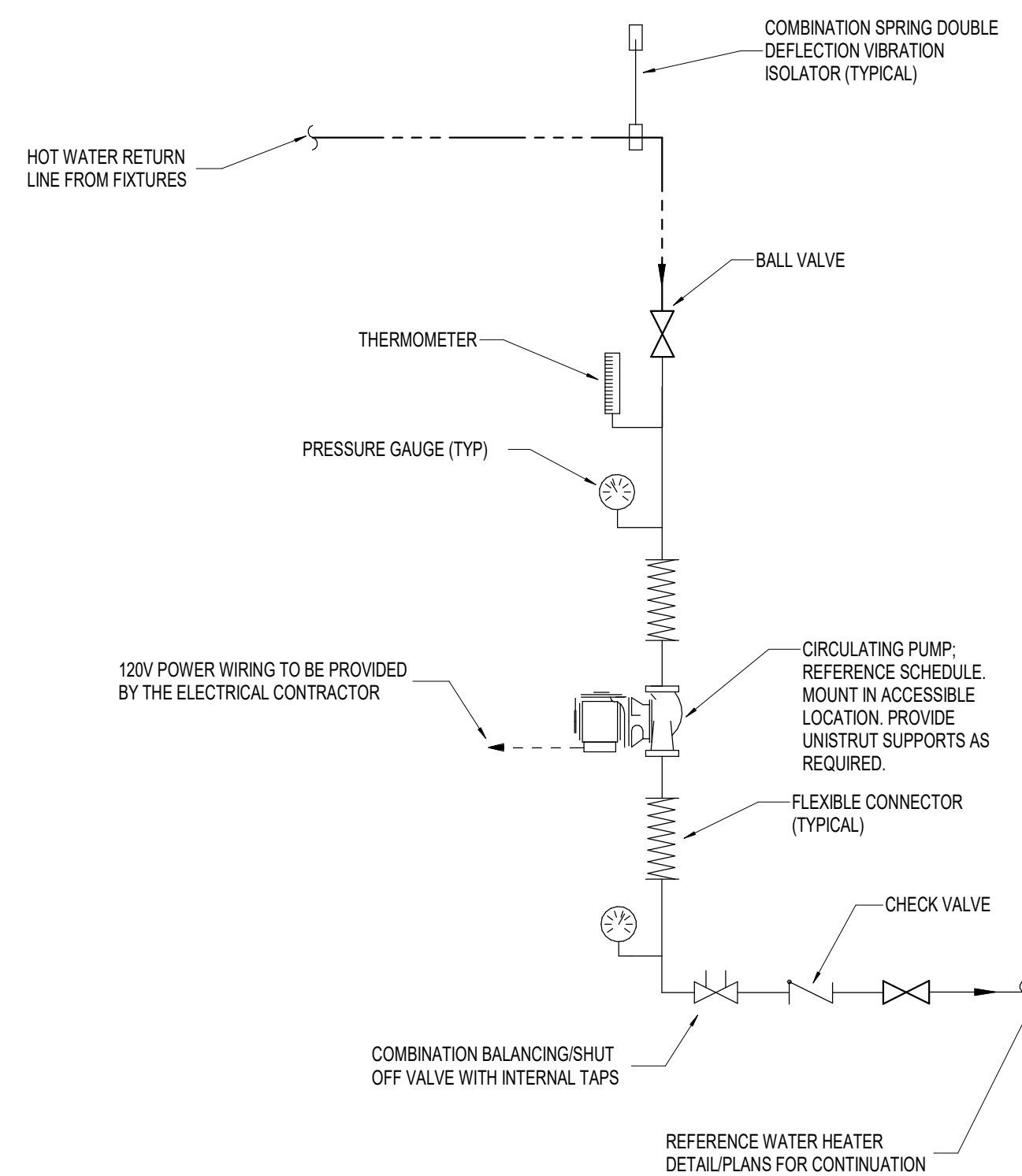
10 NATURAL GAS PIPE SUPPORT
P0.1 N.T.S.



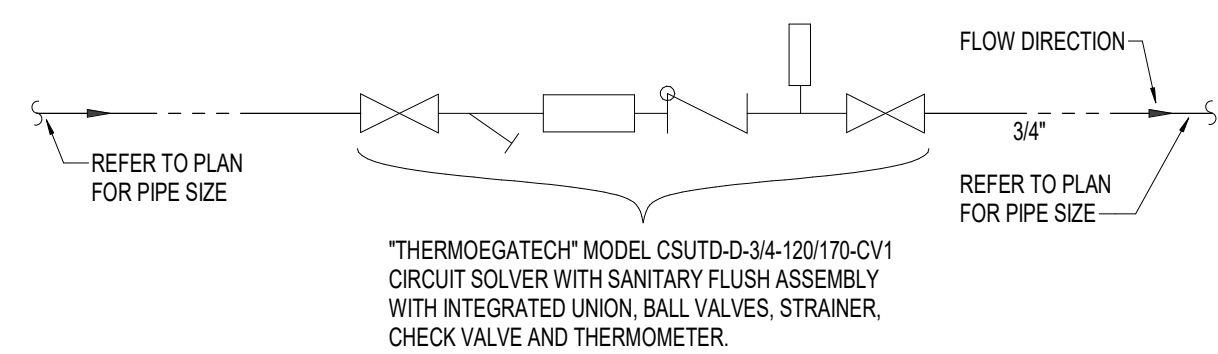
9 WASHER BOX
P0.1 N.T.S.



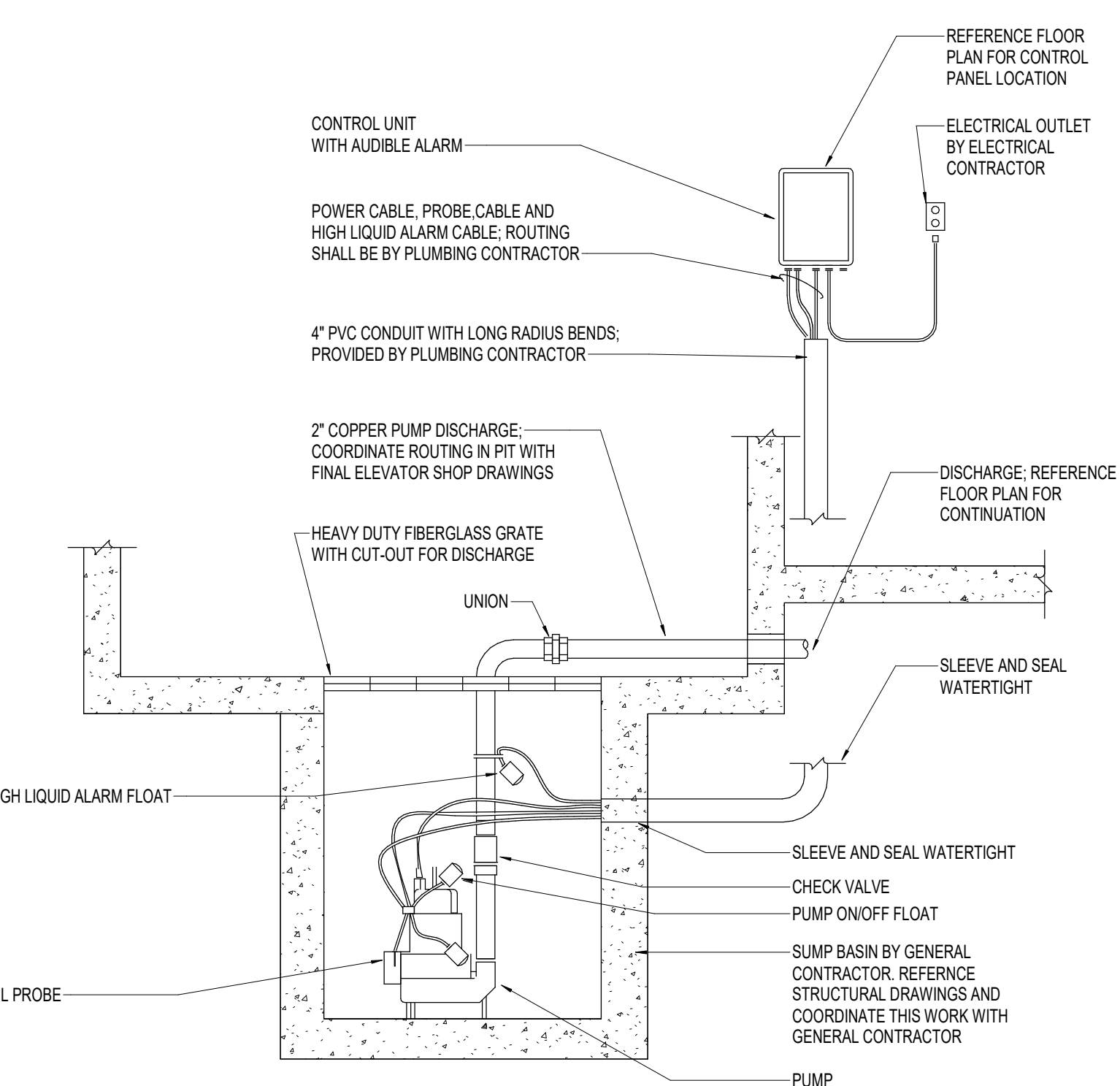
6 IN-LINE RECIRCULATION PUMP PIPING DIAGRAM
P0.1 N.T.S.



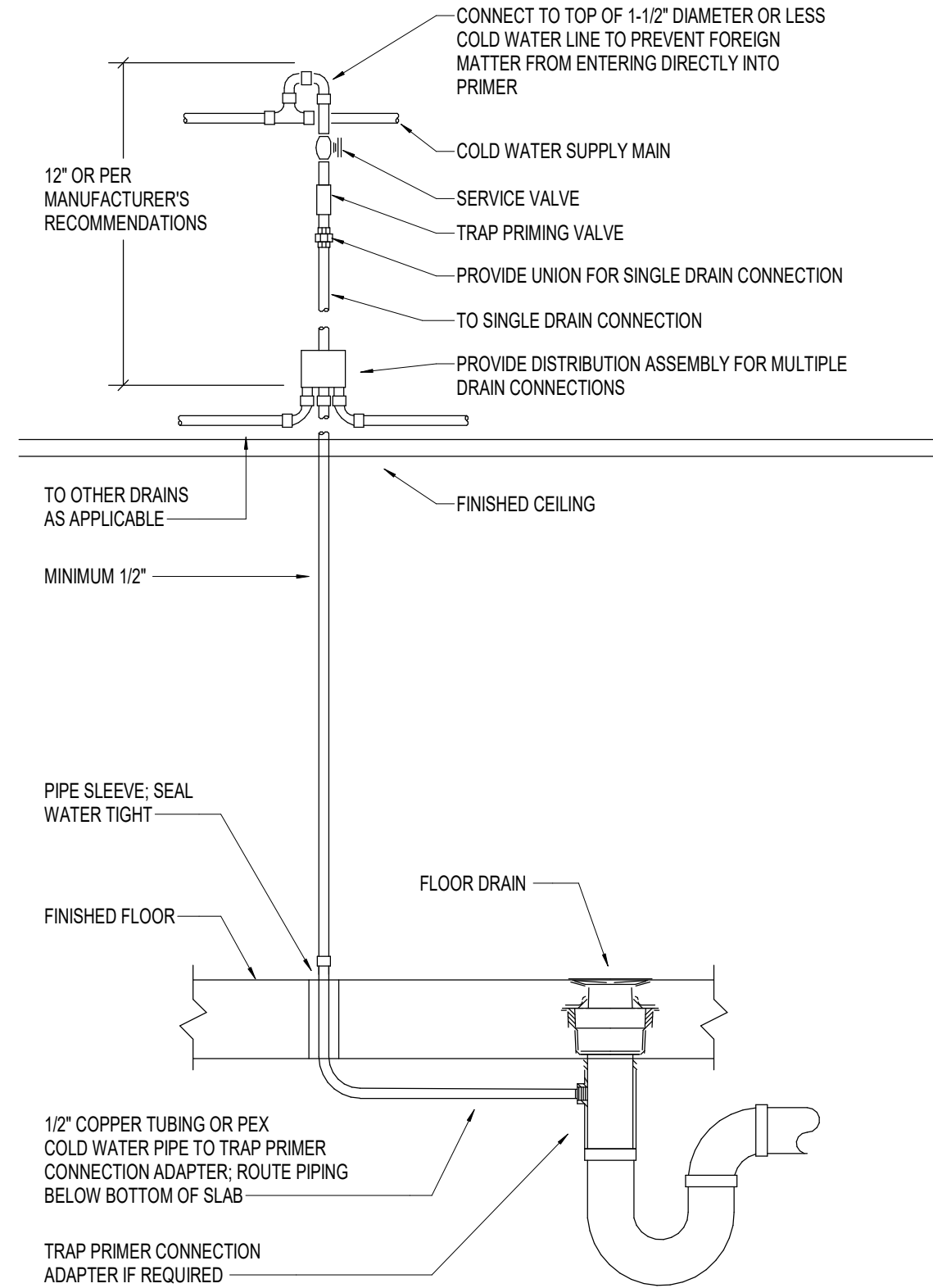
5 HWR CIRCUIT "SOLVER" PIPING DIAGRAM
P0.1 N.T.S.



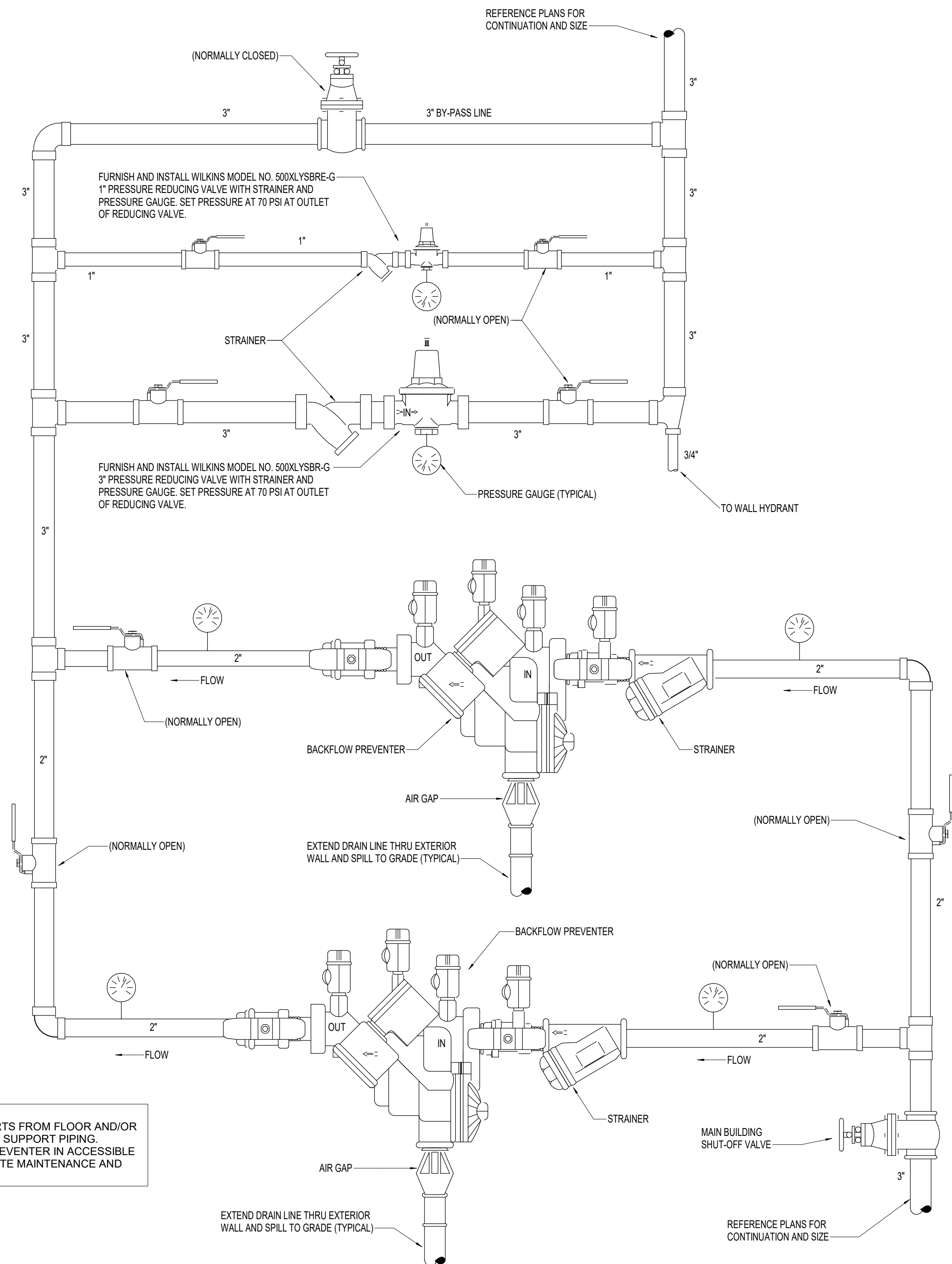
4 ELEVATOR SUMP PUMP DETAIL
P0.1 N.T.S.



3 DRAIN WITH TRAP PRIMER DETAIL
P0.1 N.T.S.



1 DUPLEX BACKFLOW PREVENTER AND PRESSURE REDUCING VALVE DETAIL
P0.1 N.T.S.

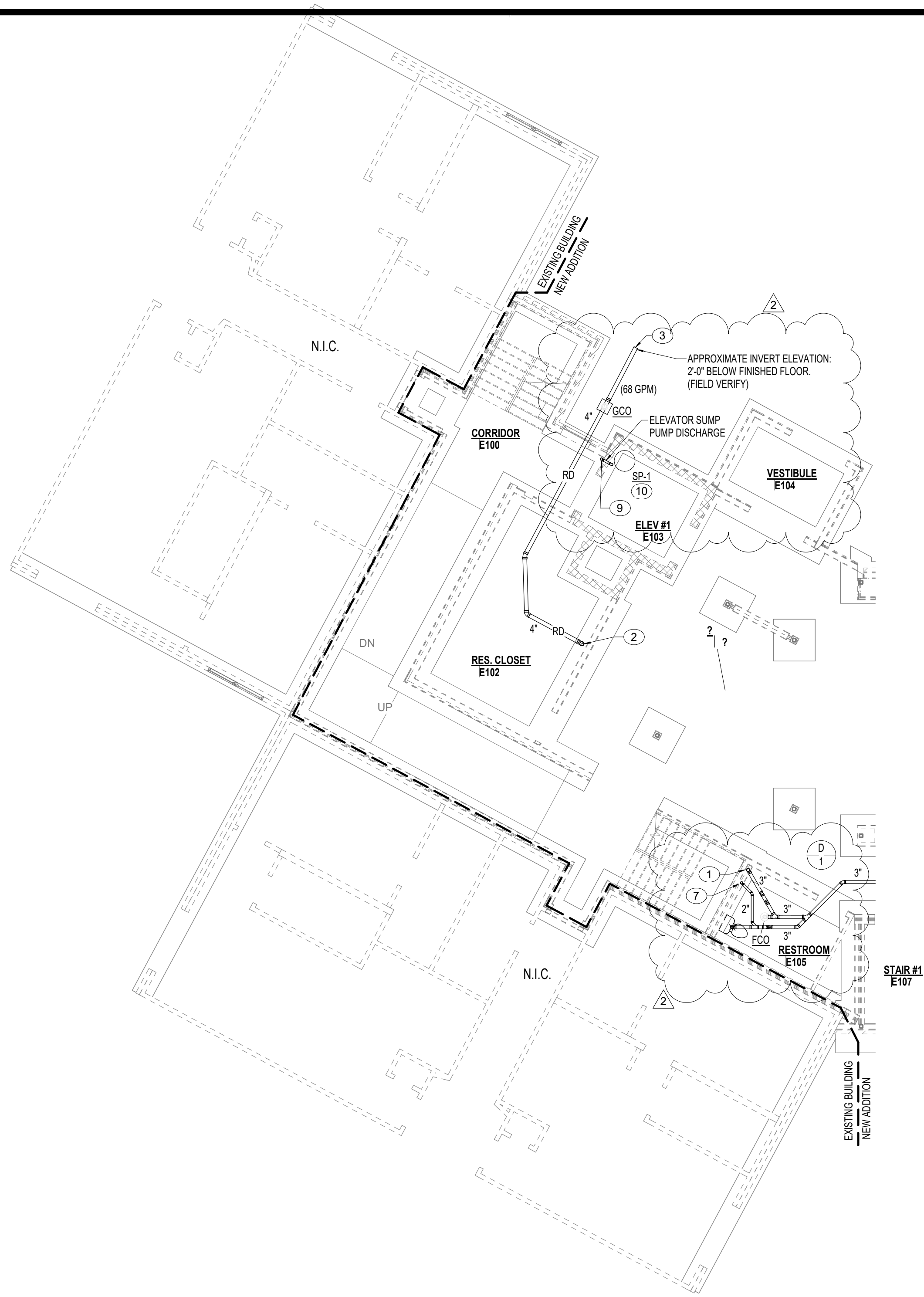


PROJECT TITLE
John Knox Village
COURTYARDS - BUILDING E
SFCs Architecture
Engineering
Planning
Interiors
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcsc.com

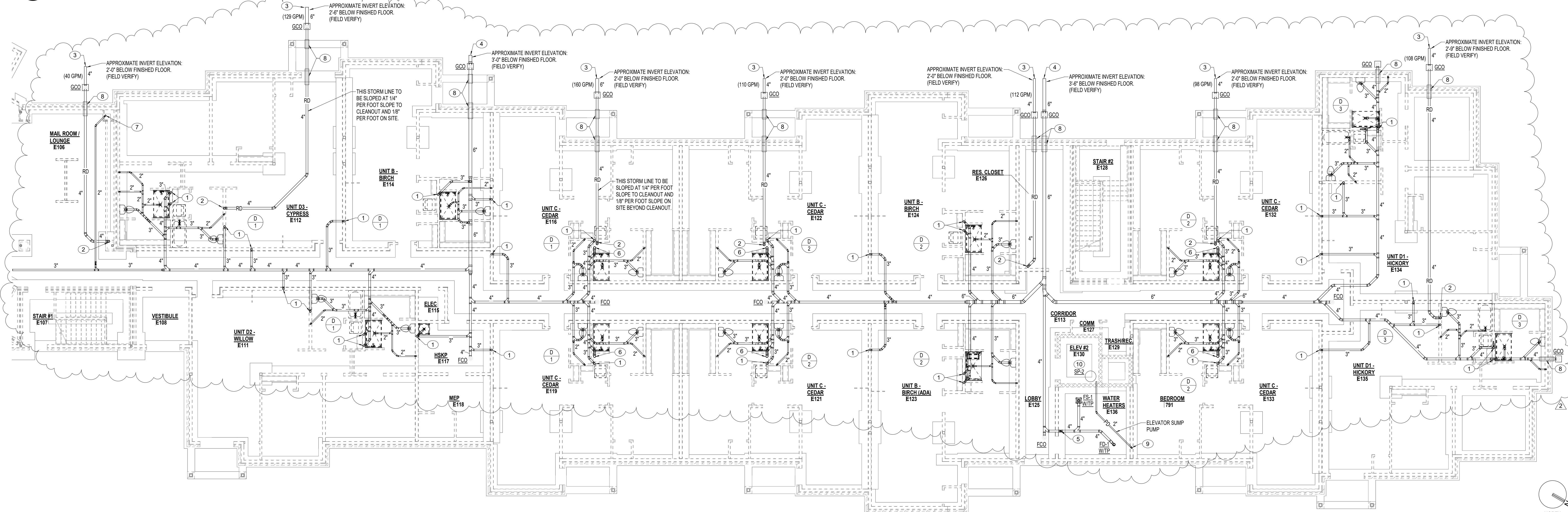
DESIGNER : DAS	DRAWN : RCK
ARCHITECT : DAS	CHECKED : DPWMAH
ENGINEER : AJM	APPROVED : AJM
NO. 2	REVISION DESCRIPTION DATE
	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE
DETAILS - PLUMBING

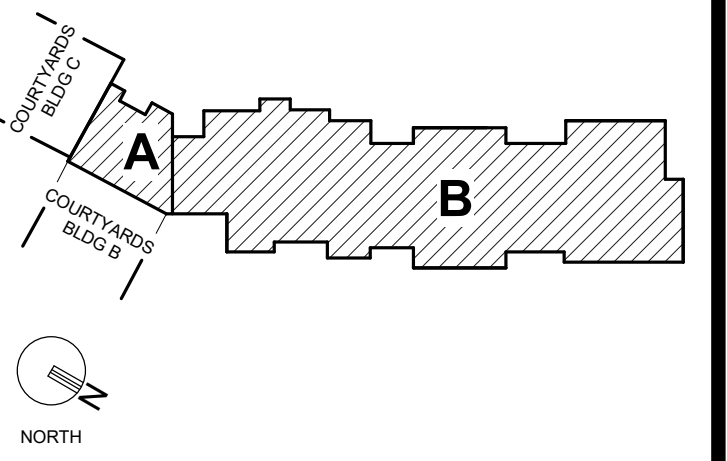
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	P0.1



2 FOUNDATION PLAN - WASTE, VENT AND STORM - ATRIUM
P1.0 1/8" = 1'-0"



1 FOUNDATION PLAN - WASTE, VENT AND STORM - IL UNITS
P1.0 1/8" = 1'-0"



- GENERAL NOTES
- ALL PIPING INDICATED ON THIS SHEET IS TO BE ROUTED BELOW SLAB, UNLESS NOTED OTHERWISE. COORDINATE ROUTING OF PIPING BELOW SLAB WITH STRUCTURAL FOOTINGS TO AVOID CONFLICT WHERE POSSIBLE.
- PLAN NOTES
- 3" WASTE LINE UP.
 - 4" ROOF DRAIN STORM LINE UP.
 - STORM LINE OUT TO SITE 5'-0". REFER TO CIVIL ENGINEERS PLANS FOR CONTINUATION. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTION.
 - 6" WASTE LINE OUT TO SITE 5'-0". REFER TO CIVIL ENGINEERS PLANS FOR CONTINUATION. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTION.
 - 3" VENT LINE UP.
 - 4" WASTE LINE UP.
 - 2" WASTE LINE UP.
 - PROVIDE SLEEVE AT PIPE PENETRATION THROUGH GRADE BEAM. COORDINATE WITH GENERAL CONTRACTOR.
 - 2" ELEVATOR SUMP PUMP DISCHARGE LINE UP.
 - ELEVATOR SUMP PUMP. REFER TO DETAIL, SHEET P0.1 FOR ADDITIONAL INFORMATION.



PROJECT TITLE

John Knox Village
COURTYARDS - BUILDING E

SFC Architecture
Engineering
Planning
Interiors

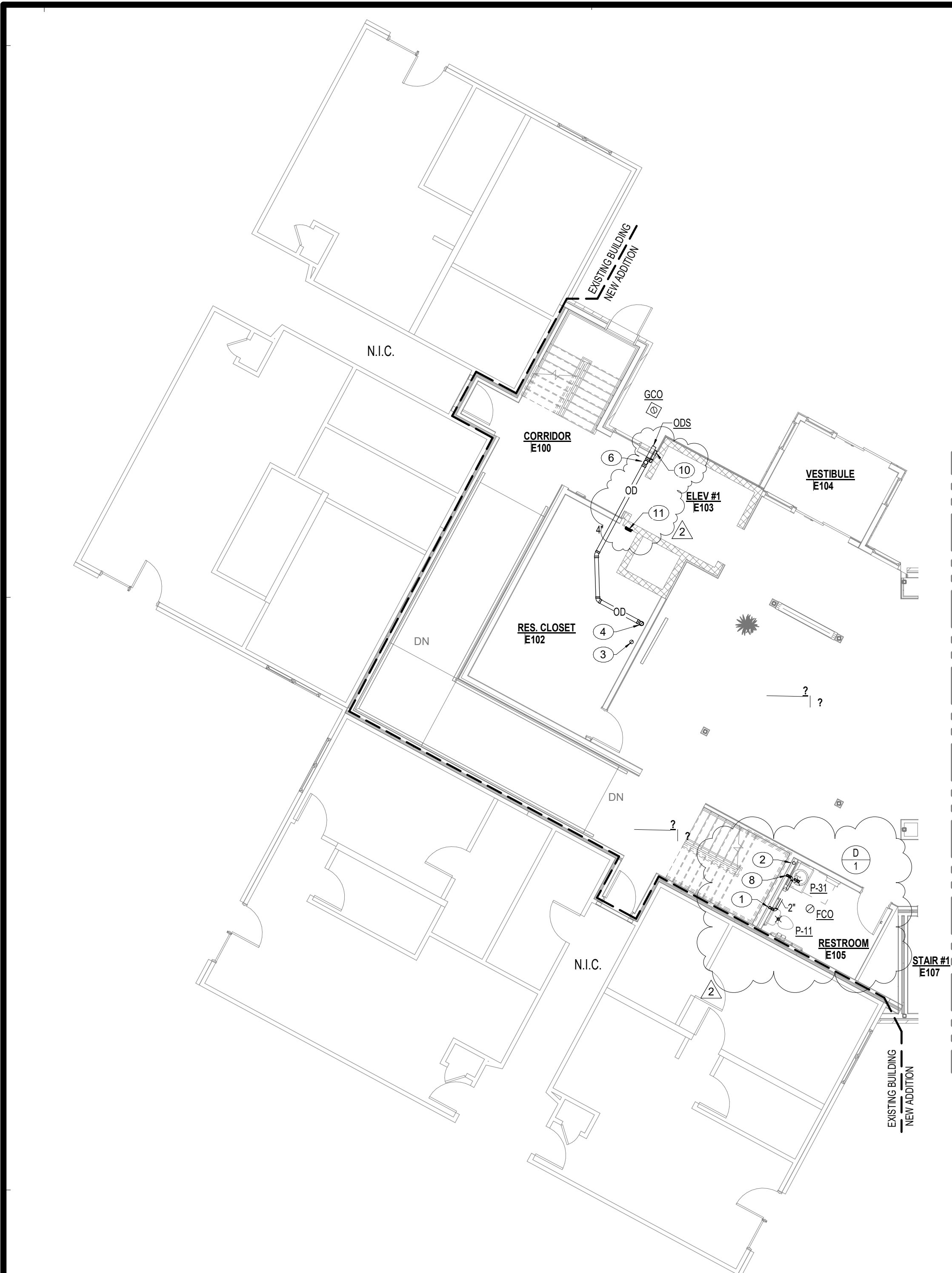
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfc.com

DESIGNER : DAS	DRAWN : RCK
ARCHITECT : DAS	CHECKED : DPWMAH
ENGINEER : AJM	APPROVED : AJM
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE

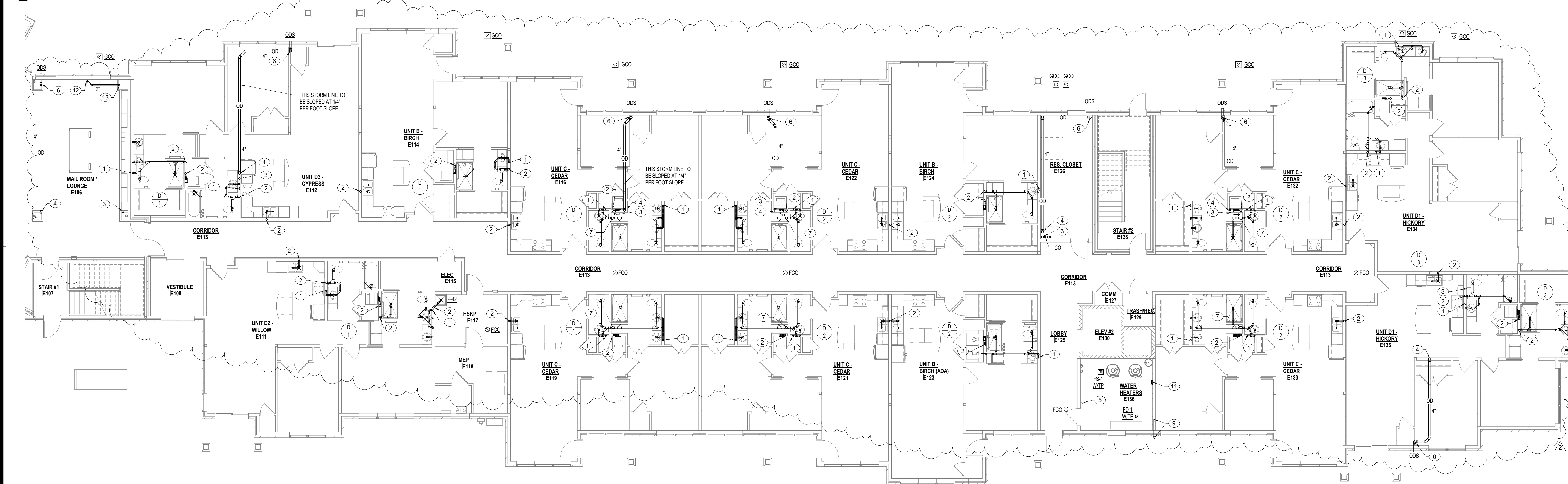
FOUNDATION PLAN -
WASTE, VENT AND STORM

DATE: January 5, 2024
COMM. NO. 23104.00
DRAWING
P1.0



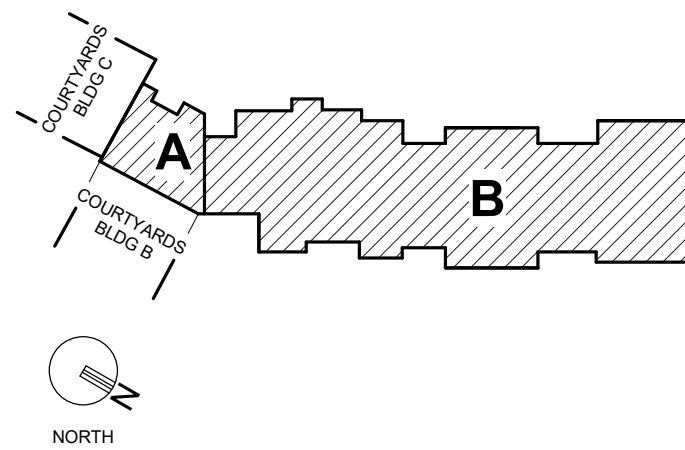
2 FIRST FLOOR PLAN - WASTE, VENT AND STORM - ATRIUM

P1.1 1/8" = 1'-0"



1 FIRST FLOOR PLAN - WASTE, VENT AND STORM - IL UNITS

P1.1 1/8" = 1'-0"



PLAN NOTES

1. 2" VENT LINE UP.
2. 3" WASTE LINE UP AND DOWN.
3. 4" ROOF DRAIN STORM LINE UP AND DOWN.
4. 4" OVERFLOW DRAIN STORM LINE UP.
5. 3" VENT LINE UP AND DOWN.
6. OVERFLOW DRAIN STORM LINE DOWN TO OVERFLOW DISCHARGE SPOUT.
7. 4" WASTE LINE UP AND DOWN.
8. 2" VENT LINE DOWN.
9. EXTEND 2" ELEVATOR SUMP PUMP DISCHARGE AND SPILL TO GRADE. SEAL PENETRATION WATERTIGHT.
10. EXTEND 2" ELEVATOR SUMP PUMP DISCHARGE AND SPILL TO GRADE. SEAL PENETRATION WATERTIGHT. COORDINATE TERMINATION LOCATION WITH OVERFLOW DRAIN NOZZLE TO AVOID CONFLICT. PIPING SHOWN FOR CLARITY.
11. ELEVATOR SUMP PUMP CONTROL PANEL. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR AND POWER CONNECTION WITH ELECTRICAL CONTRACTOR.
12. 2" WASTE LINE UP.
13. 2" WASTE LINE DOWN.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

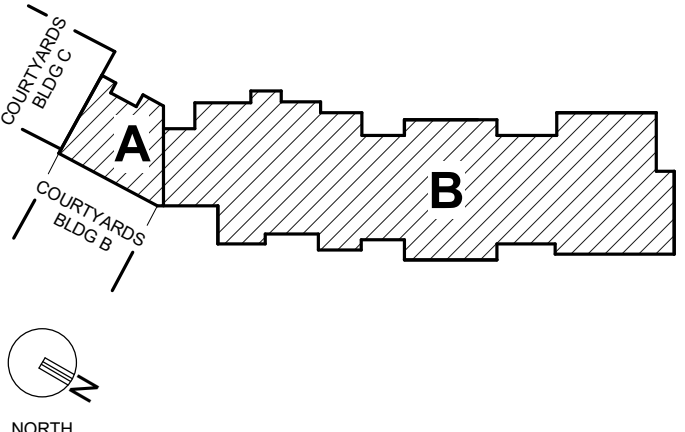
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcsc.com

DESIGNER : DAS	DRAWN : RCK
ARCHITECT : DAS	CHECKED : DPWMAH
ENGINEER : AJM	APPROVED : AJM
NO. 2	REVISION DESCRIPTION DATE
	Rev 1 - Permit Comments 02/15/24

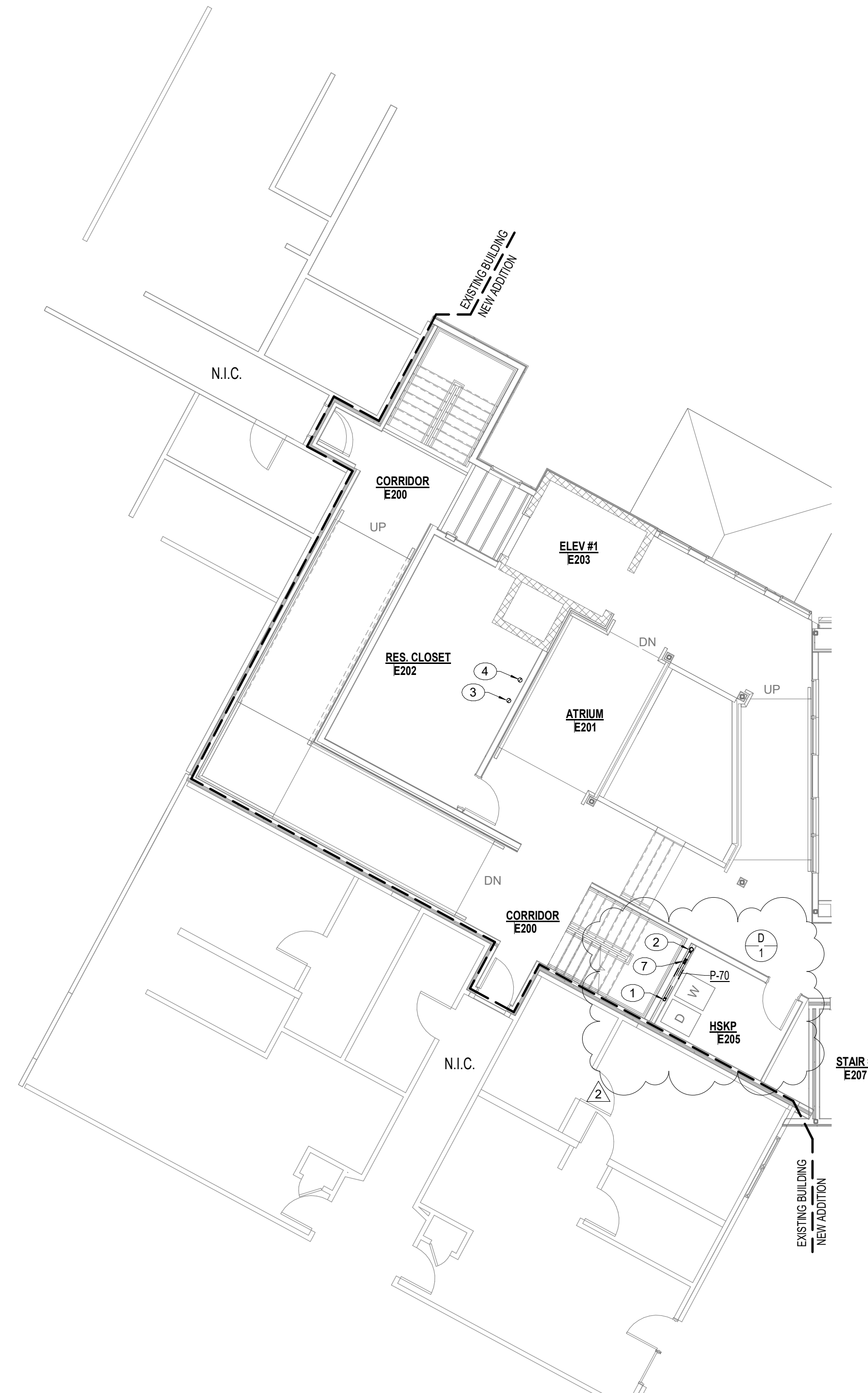
DRAWING TITLE

FIRST FLOOR PLAN -
WASTE, VENT AND STORM

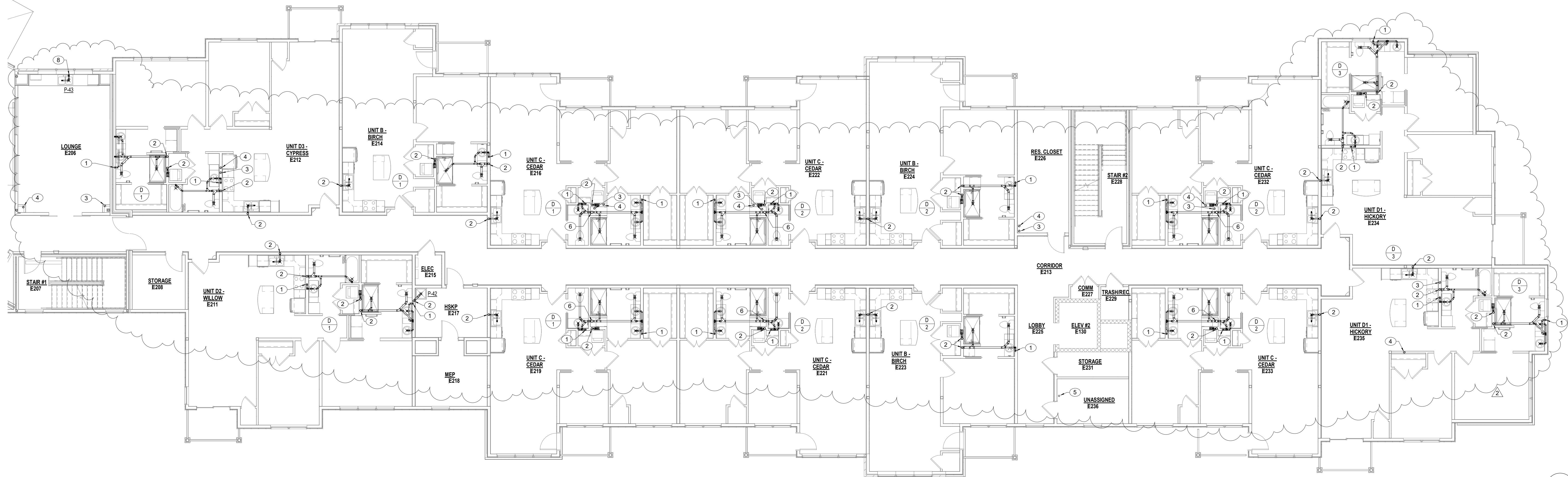
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	P1.1



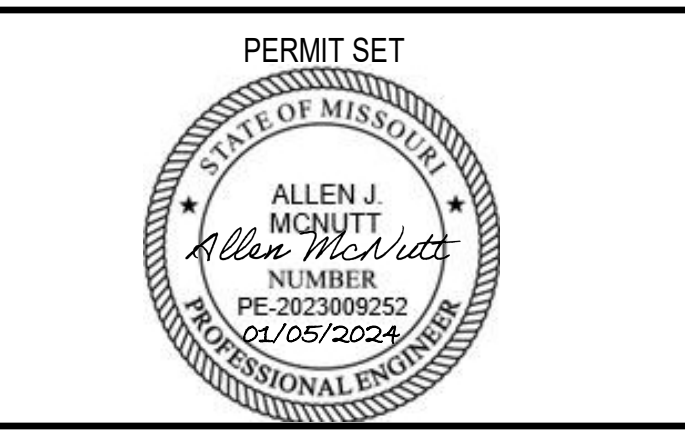
- PLAN NOTES
- 2" VENT LINE UP AND DOWN.
 - 3" WASTE LINE UP AND DOWN.
 - 4" ROOF DRAIN STORM LINE UP AND DOWN.
 - 4" OVERFLOW DRAIN STORM LINE UP AND DOWN.
 - 3" VENT LINE UP AND DOWN.
 - 4" WASTE LINE UP AND DOWN.
 - 1-1/2" VENT LINE DOWN.
 - PROVIDE AIR ADMITTANCE VALVE AT SINK. INSTALL PER MANUFACTURERS RECOMMENDATIONS. CONTINUE 2" WASTE LINE DOWN.



2 SECOND FLOOR - WASTE, VENT AND STORM - ATRIUM
P1.2 1/8" = 1'-0"



1 SECOND FLOOR - WASTE, VENT AND STORM - IL UNITS
P1.2 1/8" = 1'-0"



PROJECT TITLE

John Knox Village

COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcsc.com

DESIGNER : DAS	DRAWN : RCK
ARCHITECT : DAS	CHECKED : DPWMAH
ENGINEER : AJM	APPROVED : AJM
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE

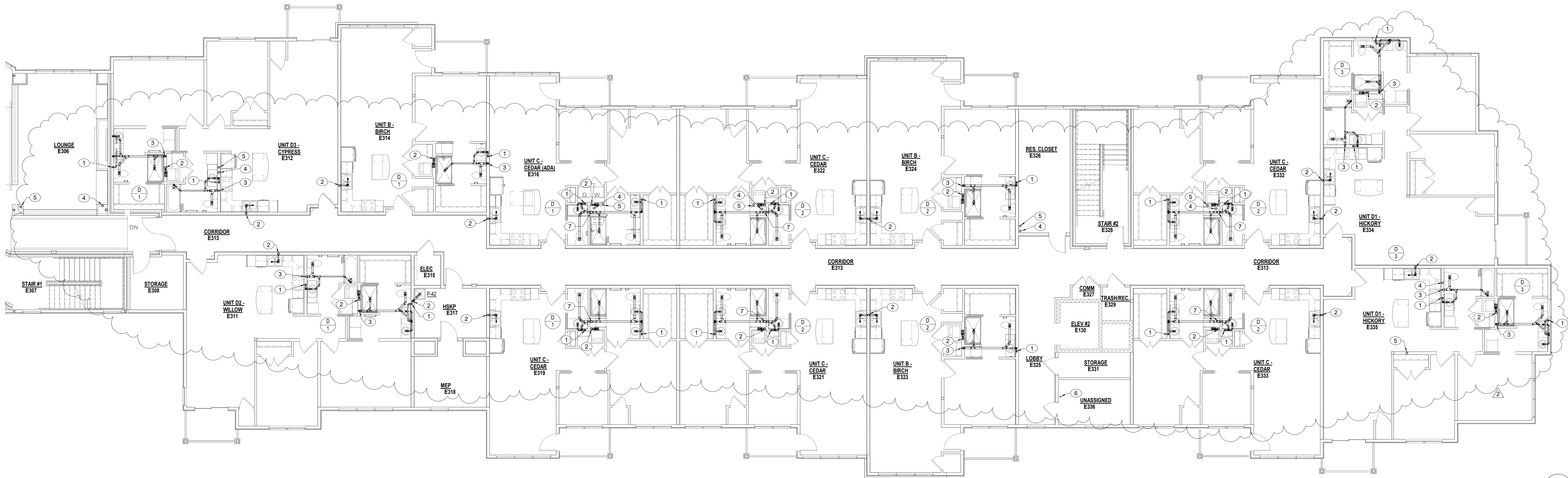
**SECOND FLOOR PLAN -
WASTE, VENT AND STORM**

DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	P1.2



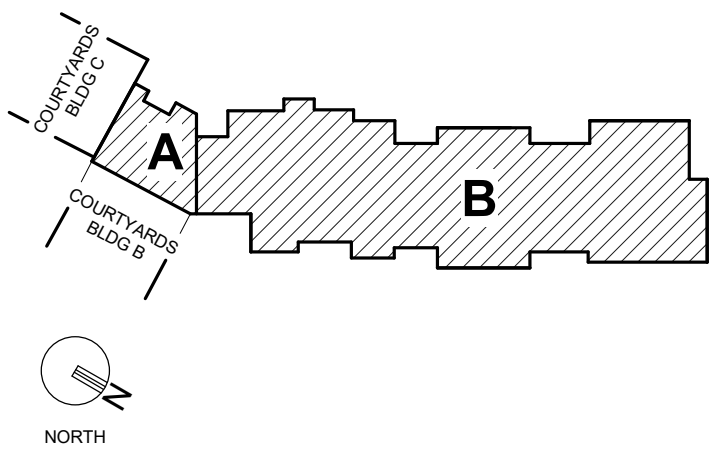
2 THIRD FLOOR - WASTE, VENT AND STORM - ATRIUM

P1.3 1/8" = 1'-0"



1 THIRD FLOOR - WASTE, VENT AND STORM - IL UNITS

P1.3 1/8" = 1'-0"



- PLAN NOTES
1. 2" VENT LINE UP AND DOWN.
 2. 3" WASTE LINE UP AND DOWN.
 3. 3" VENT LINE UP; CONTINUE 3" WASTE LINE DOWN.
 4. 4" ROOF DRAIN STORM LINE UP AND DOWN.
 5. 4" OVERFLOW DRAIN STORM LINE UP AND DOWN.
 6. 3" VENT LINE UP AND DOWN.
 7. 4" VENT LINE UP; CONTINUE 4" WASTE LINE DOWN.



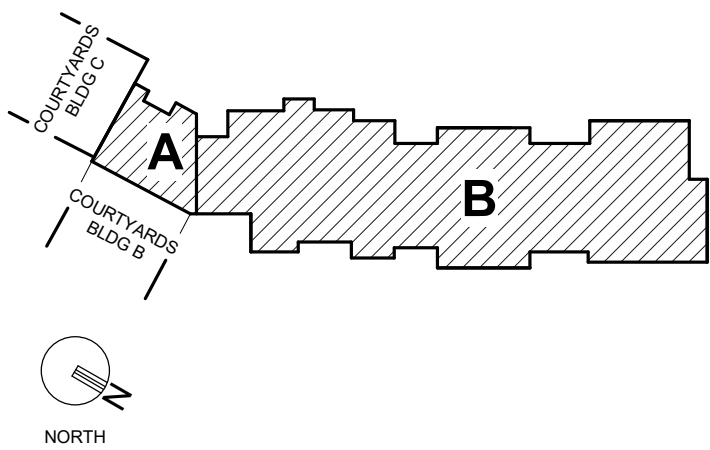
COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcsc.com

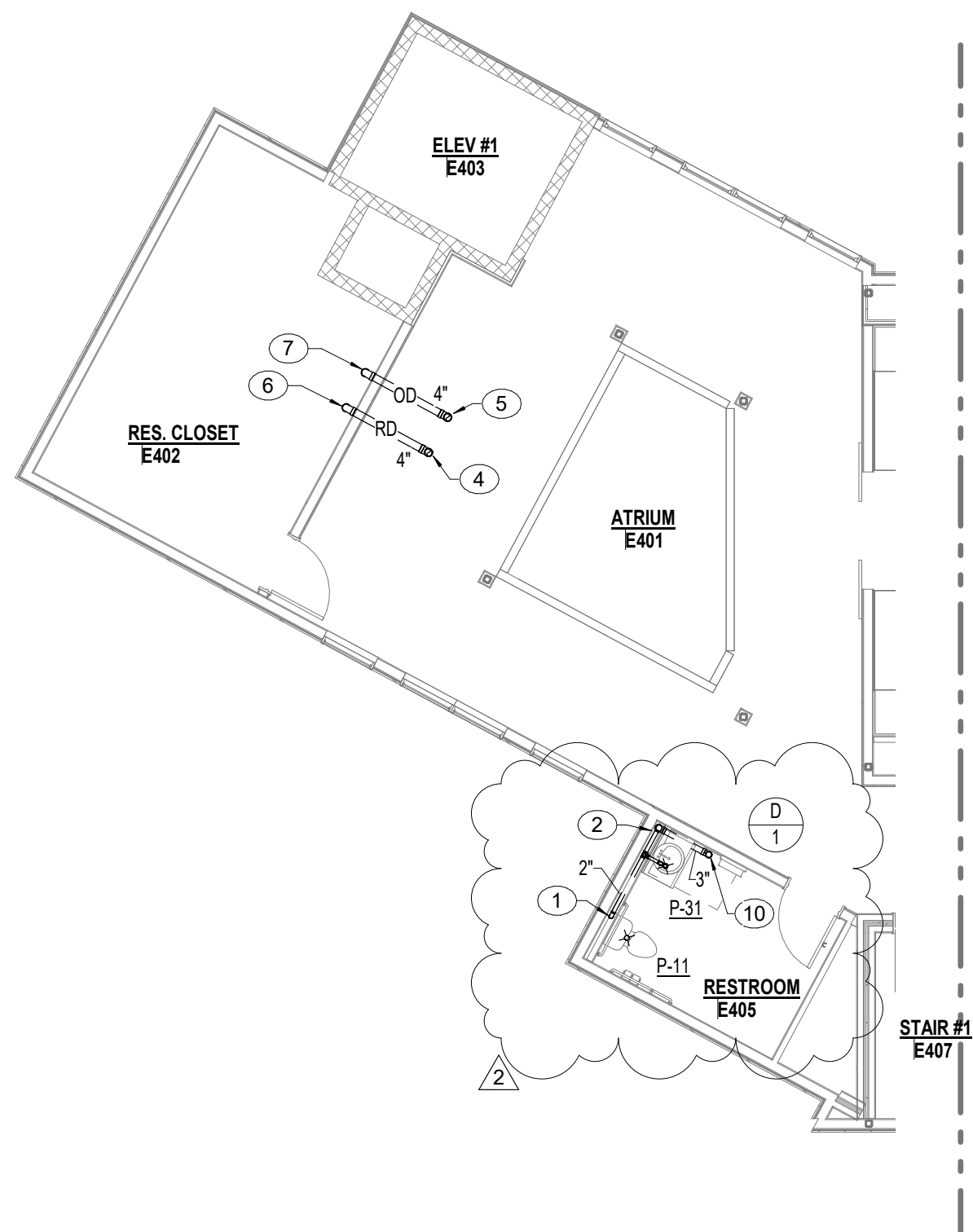
DESIGNER : DAS	DRAWN : RCK
ARCHITECT : DAS	CHECKED : DPWMAH
ENGINEER : AJM	APPROVED : AJM
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE
THIRD FLOOR PLAN -
WASTE, VENT AND STORM

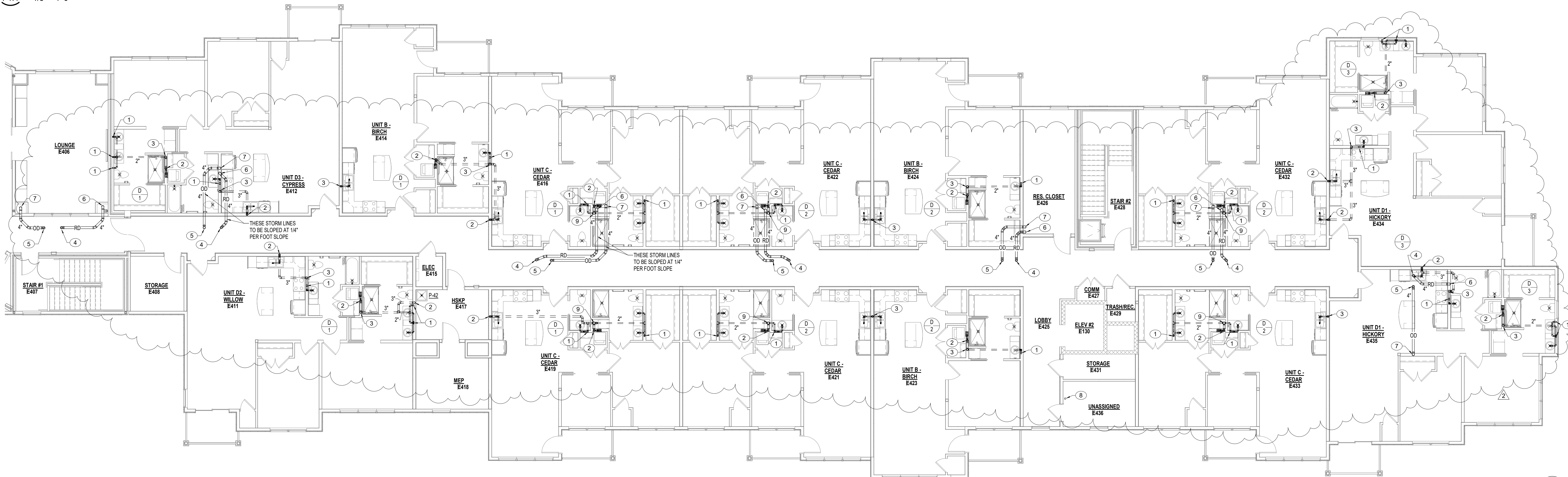
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	P1.3



- PLAN NOTES
- 2" VENT LINE DOWN.
 - 3" VENT LINE DOWN.
 - 3" VENT LINE DOWN: CONTINUE 3" VENT UP TO 3" VENT THROUGH ROOF.
 - 4" ROOF DRAIN STORM LINE UP TO ROOF DRAIN.
 - 4" OVERFLOW ROOF DRAIN STORM LINE UP TO OVERFLOW DRAIN.
 - 4" ROOF DRAIN STORM LINE DOWN.
 - 4" OVERFLOW DRAIN STORM LINE DOWN.
 - 3" VENT LINE UP AND DOWN.
 - 4" VENT LINE DOWN: CONTINUE 4" VENT UP TO 4" VENT THROUGH ROOF.
 - 3" VENT UP TO 3" VENT THROUGH ROOF.



2 FOURTH FLOOR - WASTE, VENT AND STORM - ATRIUM
P1.4 1/8" = 1'-0"



1 FOURTH FLOOR - WASTE, VENT AND STORM - IL UNITS
P1.4 1/8" = 1'-0"



COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcsc.com

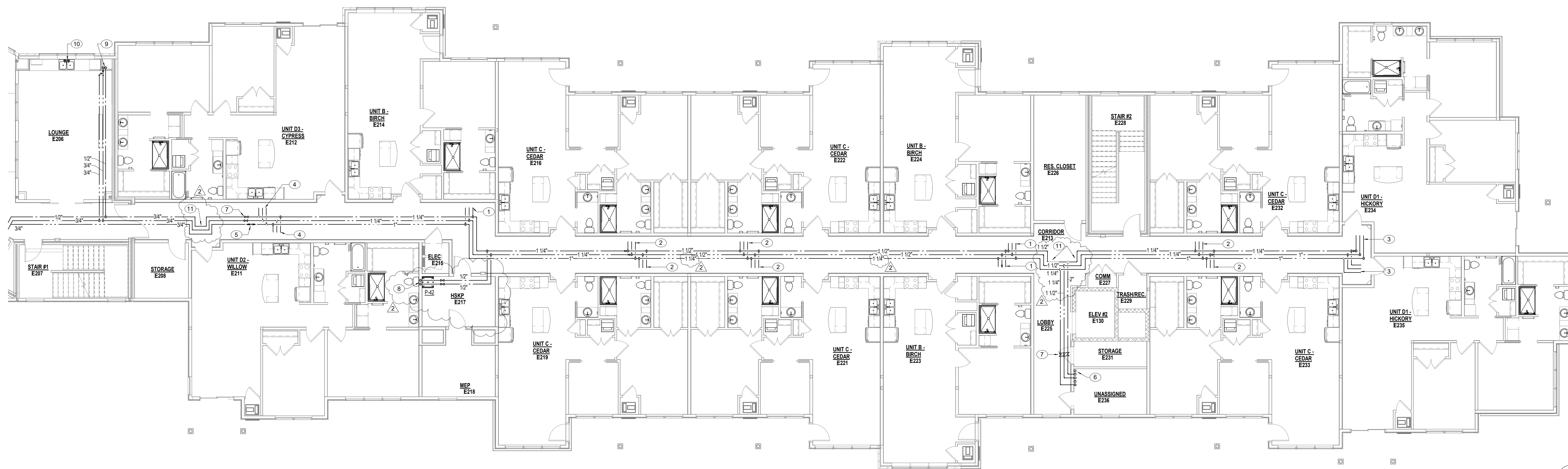
DESIGNER : DAS	DRAWN : RCK
ARCHITECT : DAS	CHECKED : DPWMAH
ENGINEER : AJM	APPROVED : AJM
NO. 2	REVISION DESCRIPTION DATE
	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE
FOURTH FLOOR PLAN -
WASTE, VENT AND STORM

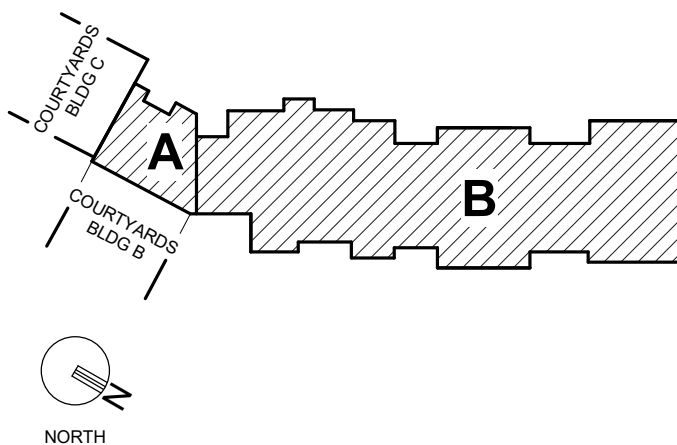
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	P1.4



2 SECOND FLOOR - WATER AND GAS - ATRIUM
P2.2 1/8" = 1'-0"



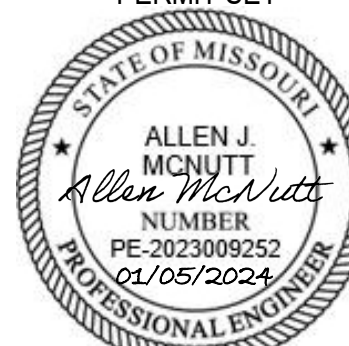
1 SECOND FLOOR - WATER AND GAS - IL UNITS
P2.2 1/8" = 1'-0"



PLAN NOTES

1. REFER TO TYPICAL ENLARGED UNIT PLAN BIRCH DETAIL 1/P4.1 FOR WATER PIPING SERVING UNIT.
2. REFER TO TYPICAL ENLARGED UNIT PLAN CEDAR DETAIL 2/P4.1 FOR WATER PIPING SERVING UNIT.
3. REFER TO TYPICAL ENLARGED UNIT PLAN HICKORY DETAIL 3/P4.1 FOR WATER PIPING SERVING UNIT.
4. REFER TO TYPICAL ENLARGED UNIT PLAN WILLOW/CYPRESS DETAIL 4/P4.1 FOR WATER PIPING SERVING UNIT.
5. HOT WATER RETURN CIRCUIT SOLVER BALANCING VALVE. LOCATE ABOVE ACCESSIBLE LAY-IN CEILING. REFER TO DETAIL SP0.1 FOR ADDITIONAL INFORMATION.
6. 1/2" NATURAL GAS UP AND DOWN, 2-1/2" COLD WATER UP AND DOWN, 2" HOT WATER UP AND DOWN, AND 1-1/2" HOT WATER RECIRCULATION UP AND DOWN, AND 1-1/2" HOT WATER RECIRCULATION DOWN.
7. PROVIDE SHUT-OFF VALVES IN AN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING. LOCATION OF VALVES SHOWN IS BASED ON LAY-IN CEILING LOCATIONS. (TYPICAL FOR ALL SHUT-OFF VALVES SHOWN ON THIS SHEET, UNLESS NOTED OTHERWISE).
8. 1/2" CW, HW LINES DOWN IN WALL TO FIXTURE AND CONNECT.
9. 1/2" CW, HW LINES DOWN IN CHASE TO FIRST FLOOR CEILING.
10. 1/2" CW, HW LINES UP FROM BELOW TO FIXTURE AND CONNECT.
11. PROVIDE EXPANSION LOOPS IN PIPING IN ACCORDANCE WITH PIPE MANUFACTURERS RECOMMENDATIONS.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCS

Architecture
Engineering
Planning
Interiors

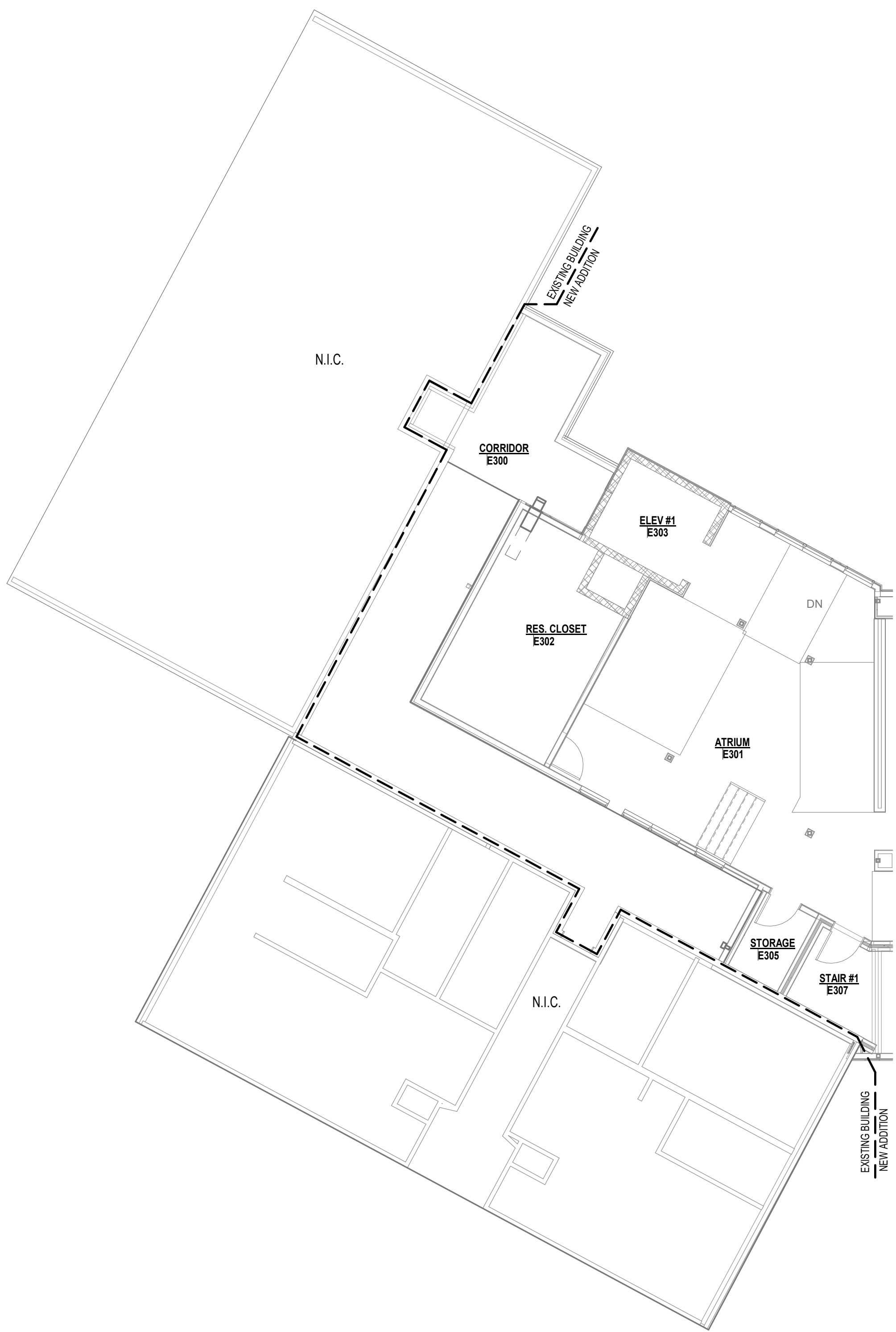
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : RCK
ARCHITECT : DAS	CHECKED : DPWMAH
ENGINEER : AJM	APPROVED : AJM
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

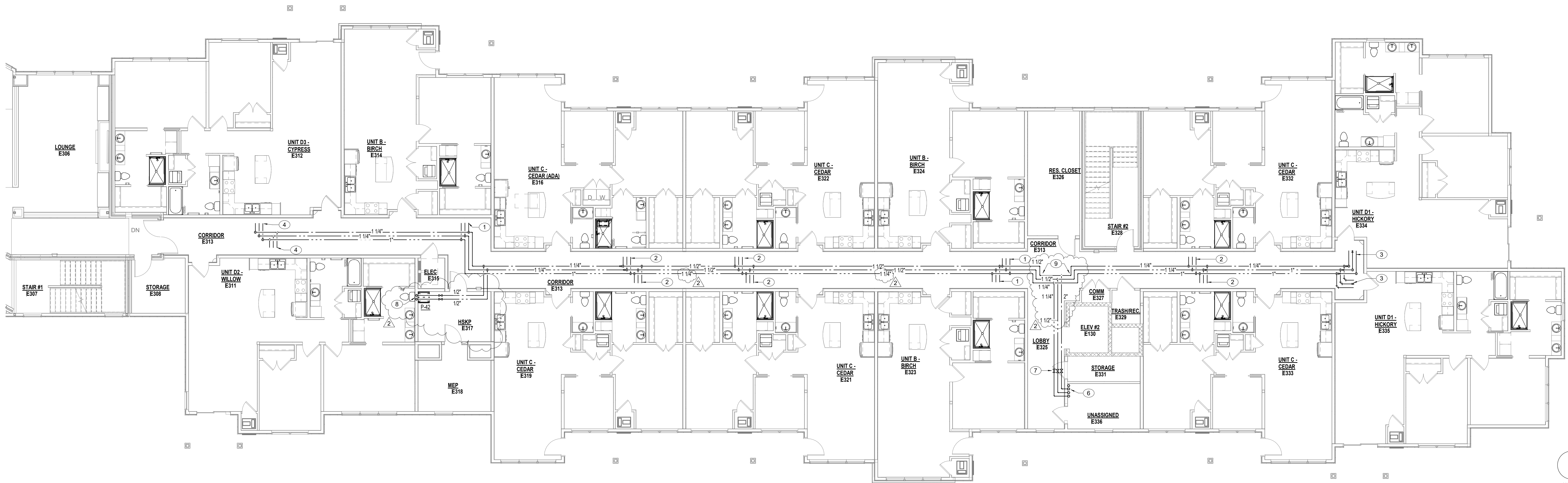
DRAWING TITLE

SECOND FLOOR PLAN -
WATER AND GAS

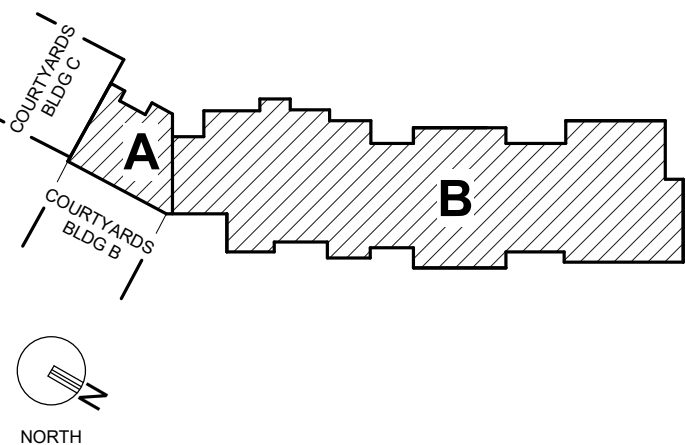
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	P2.2



2 THIRD FLOOR - WATER AND GAS - ATRIUM
P2.3 1/8" = 1'-0"



1 THIRD FLOOR - WATER AND GAS - IL UNITS
P2.3 1/8" = 1'-0"



PLAN NOTES

1. REFER TO TYPICAL ENLARGED UNIT PLAN BIRCH DETAIL 1/P4.1 FOR WATER PIPING SERVING UNIT.
2. REFER TO TYPICAL ENLARGED UNIT PLAN CEDAR DETAIL 2/P4.1 FOR WATER PIPING SERVING UNIT.
3. REFER TO TYPICAL ENLARGED UNIT PLAN HICKORY DETAIL 3/P4.1 FOR WATER PIPING SERVING UNIT.
4. REFER TO TYPICAL ENLARGED UNIT PLAN WILLOW/CYPRESS DETAIL 4/P4.1 FOR WATER PIPING SERVING UNIT.
5. HOT WATER RETURN CIRCUIT SOLVER BALANCING VALVE. LOCATE ABOVE ACCESSIBLE LAY-IN CEILING. REFER TO DETAIL SP0.1 FOR ADDITIONAL INFORMATION.
6. 1-1/4" NATURAL GAS UP AND DOWN, 2" COLD WATER UP AND 2-1/2" COLD WATER DOWN, 1-1/2" HOT WATER UP AND 2" HOT WATER DOWN, AND 1-1/4" HOT WATER RECIRCULATION UP AND DOWN.
7. PROVIDE SHUT-OFF VALVES IN AN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING. LOCATION OF VALVES SHOWN IS BASED ON LAY-IN CEILING LOCATIONS. (TYPICAL FOR ALL SHUT-OFF VALVES SHOWN ON THIS SHEET, UNLESS NOTED OTHERWISE).
8. 1/2" CW, HW LINES DOWN IN WALL TO FUTURE AND CONNECT.
9. PROVIDE EXPANSION LOOPS IN PIPING IN ACCORDANCE WITH PIPE MANUFACTURERS RECOMMENDATIONS.



PROJECT TITLE

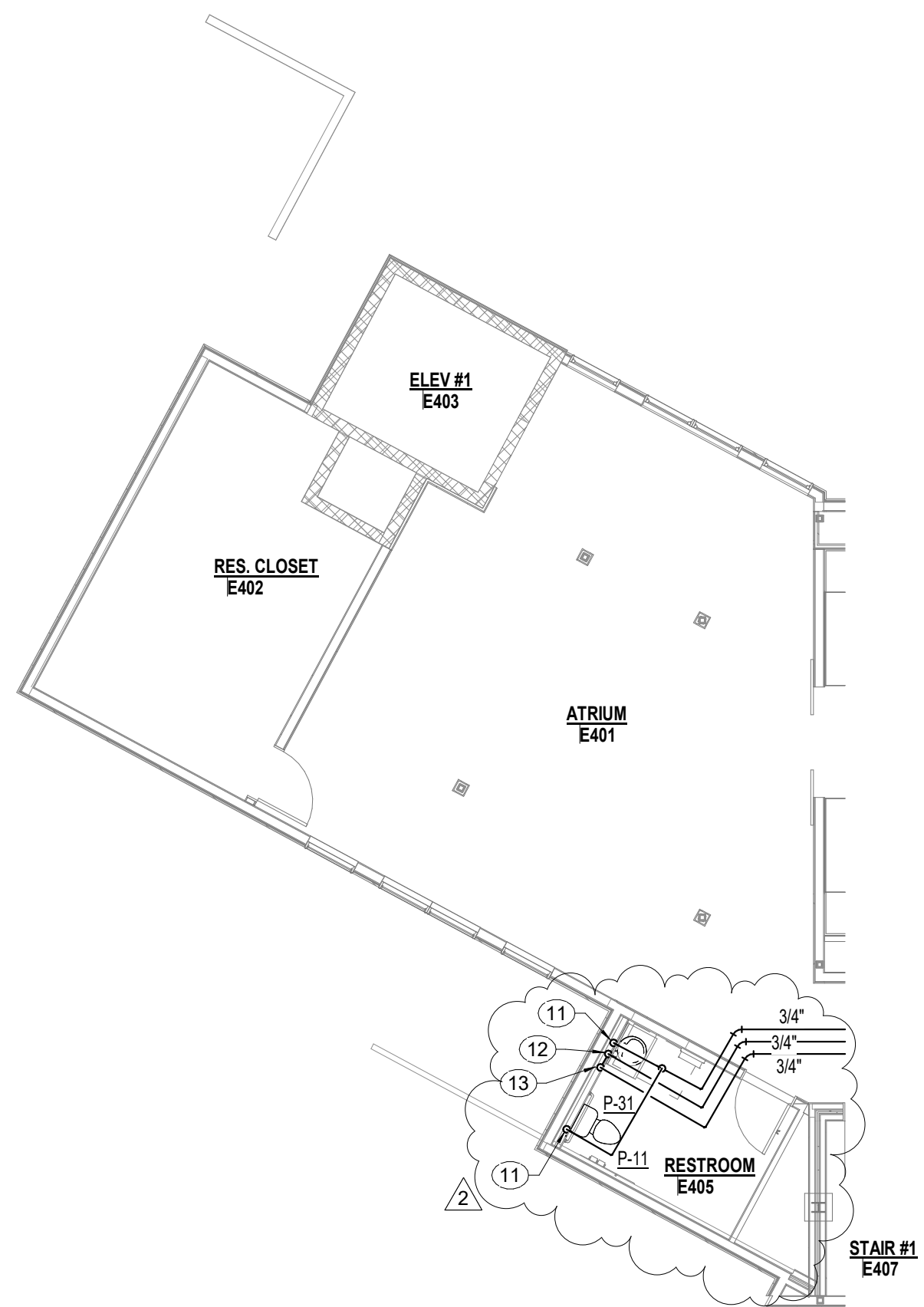
John Knox Village
COURTYARDS - BUILDING E

SFC**S** Architecture
Engineering
Planning
Interiors
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

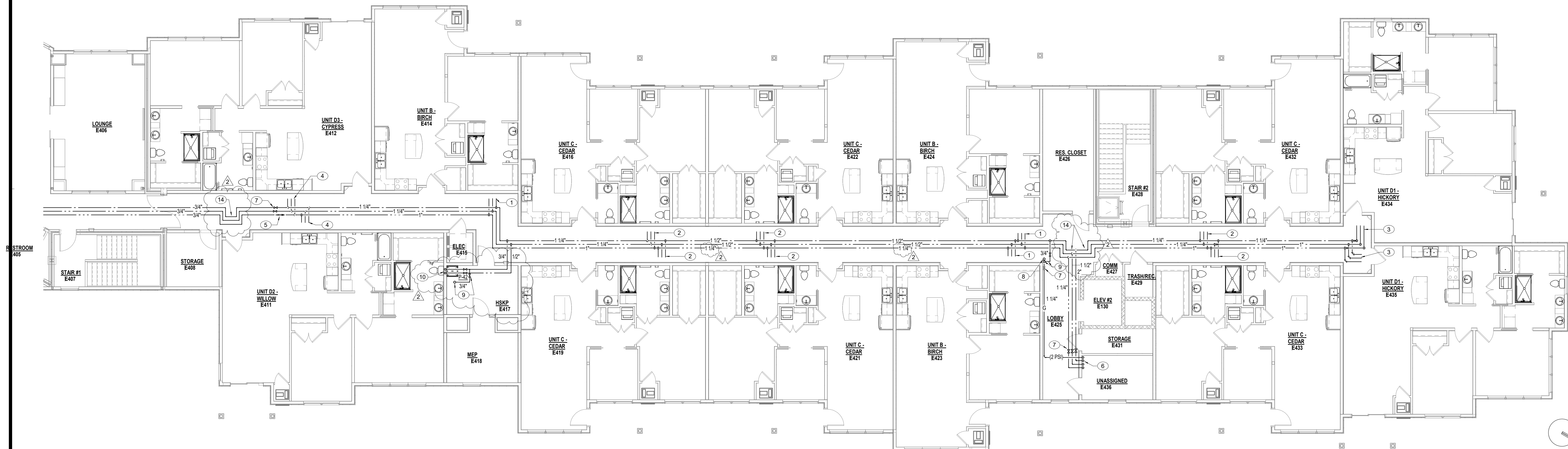
DESIGNER : DAS	DRAWN : RCK
ARCHITECT : DAS	CHECKED : DPWMAH
ENGINEER : AJM	APPROVED : AJM
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE
THIRD FLOOR PLAN -
WATER AND GAS

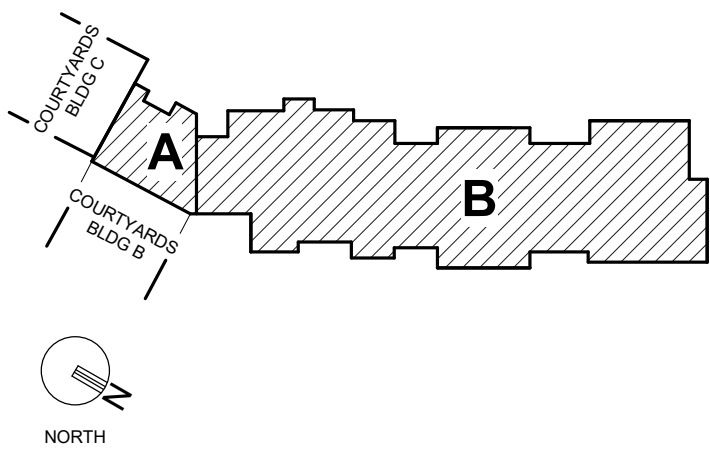
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	P2.3



2
P2.4
FOURTH FLOOR - WATER AND GAS - ATRIUM
1/8" = 1'-0"



1
P2.4
FOURTH FLOOR - WATER AND GAS - IL UNITS
1/8" = 1'-0"



PLAN NOTES

1. REFER TO TYPICAL ENLARGED UNIT PLAN BIRCH DETAIL 1/P4.1 FOR WATER PIPING SERVING UNIT.
2. REFER TO TYPICAL ENLARGED UNIT PLAN CEDAR DETAIL 2/P4.1 FOR WATER PIPING SERVING UNIT.
3. REFER TO TYPICAL ENLARGED UNIT PLAN HICKORY DETAIL 3/P4.1 FOR WATER PIPING SERVING UNIT.
4. REFER TO TYPICAL ENLARGED UNIT PLAN WILLOW/CYPRESS DETAIL 4/P4.1 FOR WATER PIPING SERVING UNIT.
5. HOT WATER RETURN CIRCUIT SOLVER BALANCING VALVE. LOCATE ABOVE ACCESSIBLE LAY-IN CEILING. REFER TO DETAIL SP0.1 FOR ADDITIONAL INFORMATION.
6. 1-1/4" NATURAL GAS DOWN, 2" COLD WATER DOWN, 1-1/2" HOT WATER DOWN, AND 1-1/4" HOT WATER RECIRCULATION DOWN.
7. PROVIDE SHUT-OFF VALVES IN AN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING. LOCATION OF VALVES SHOWN IS BASED ON LAY-IN CEILING LOCATIONS. (TYPICAL FOR ALL SHUT-OFF VALVES SHOWN ON THIS SHEET, UNLESS NOTED OTHERWISE).
8. 1-1/4" GAS LINE UP.
9. 3/4" CW LINE UP TO ROOF HYDRANT. PROVIDE SHUT-OFF VALVE IN LINE.
10. 1/2" CW, HW LINES TO FIXTURE AND CONNECT.
11. 1/2" CW LINE DOWN IN WALL TO FIXTURE.
12. 3/4" HW LINE DOWN IN WALL TO FIXTURE.
13. 3/4" HW LINE DOWN IN WALL. CONNECT LINE TO HW LINE WITHIN 2'-0" OF TEE TO LAVATORY CONNECTION.
14. PROVIDE EXPANSION LOOPS IN PIPING IN ACCORDANCE WITH PIPE MANUFACTURERS RECOMMENDATIONS.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

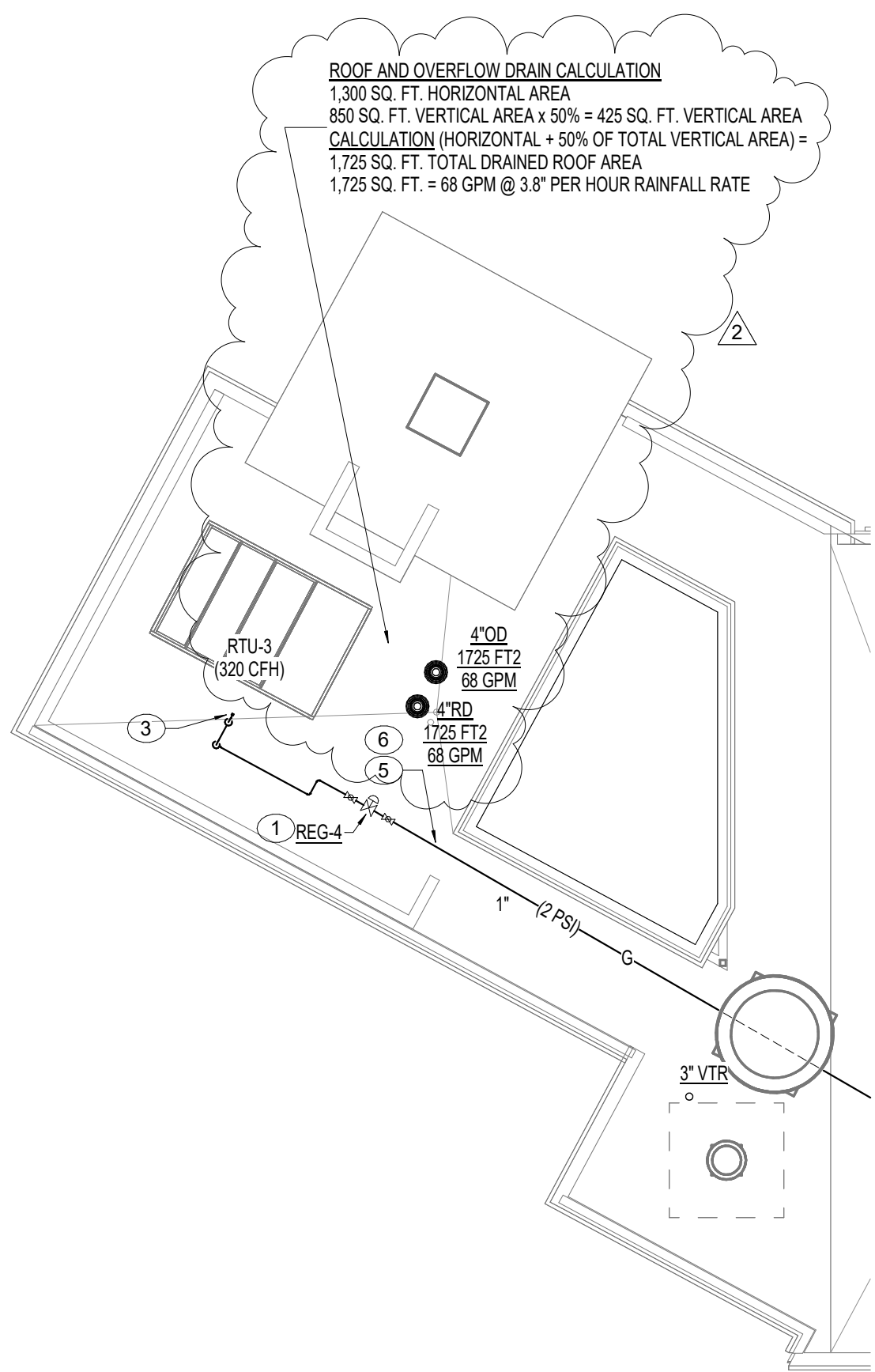
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcsc.com

DESIGNER : DAS	DRAWN : RCK
ARCHITECT : DAS	CHECKED : DPW/MAH
ENGINEER : AJM	APPROVED : AJM
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

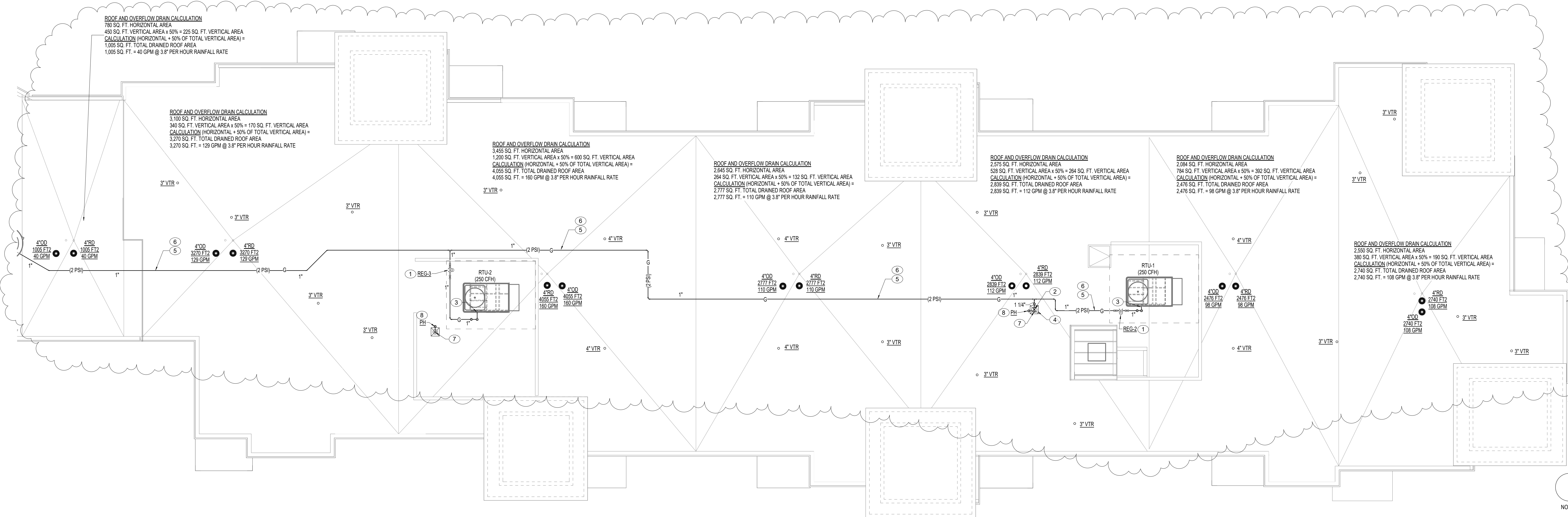
DRAWING TITLE

FOURTH FLOOR PLAN -
WATER AND GAS

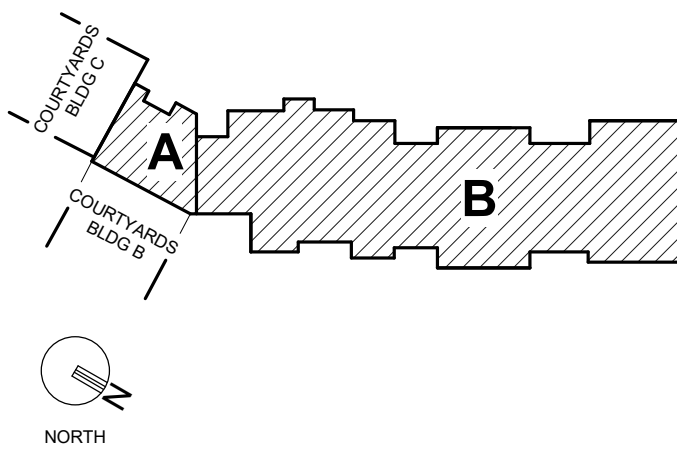
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	P2.4



2 ROOF PLAN - ATRIUM
P3.1 1/8" = 1'-0"



1 ROOF PLAN - IL UNITS
P3.1 1/8" = 1'-0"



GENERAL NOTES

ALL ROOF DRAIN AND OVERFLOW DRAIN STORM PIPING INDICATED ON PLUMBING DRAWINGS IS BASED ON 1/8" PER FOOT SLOPE, UNLESS NOTED OTHERWISE.

PLAN NOTES

1. PROVIDE GAS PRESSURE REGULATOR. REFER TO SCHEDULE AND DETAIL SHEET P0.1 FOR ADDITIONAL INFORMATION.
2. 1-1/4" (2 PSI) NATURAL GAS DOWN THROUGH PIPE PORTAL.
3. CONNECT 1" NATURAL GAS LINE TO ROOFTOP UNIT. SEE DETAIL TYP-1 AND MECHANICAL SHEETS FOR MORE INFORMATION.
4. PROVIDE PIPE PORTAL FOR WATER AND OR GAS LINE. REFER TO DETAIL SHEET P0.1 FOR ADDITIONAL INFORMATION.
5. GAS LINE ROUTED ON ROOF. PROVIDE PIPE SUPPORTS. REFER TO PIPE SUPPORT DETAIL SHEET P0.1 FOR ADDITIONAL INFORMATION.
6. PAINT GAS PIPING WITH 2 COATS OF RUST INHIBITING PRIMER AND 2 COATS OF RUST INHIBITING PAINT.
7. 3/4" WATER LINE FOR ROOF POST HYDRANT DOWN THROUGH PIPE PORTAL.
8. PROVIDE ROOF POST HYDRANT. REFER TO DETAIL SHEET P0.1 FOR ADDITIONAL INFORMATION.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCS

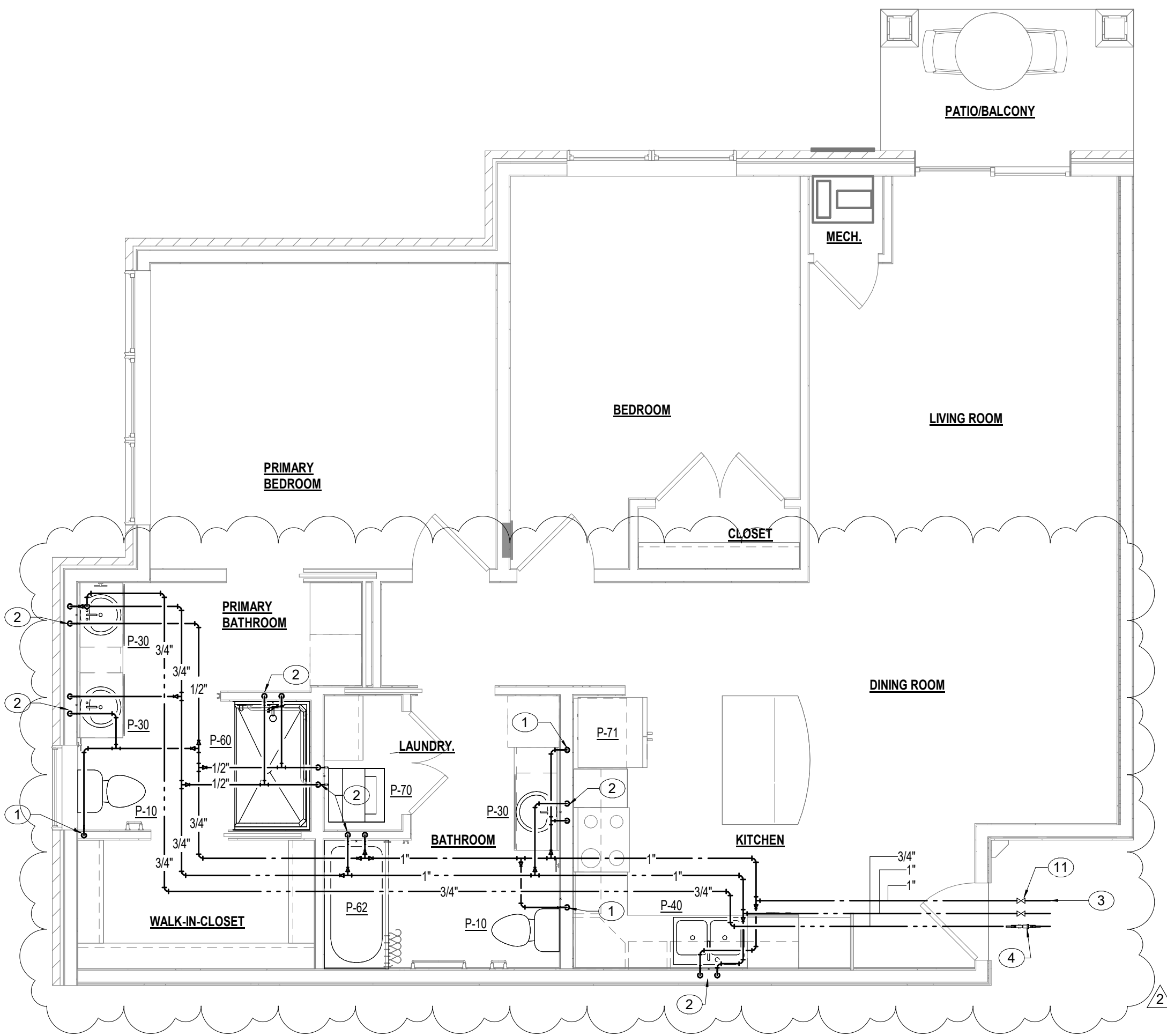
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : RCK
ARCHITECT : DAS	CHECKED : DPWMAH
ENGINEER : AJM	APPROVED : AJM
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

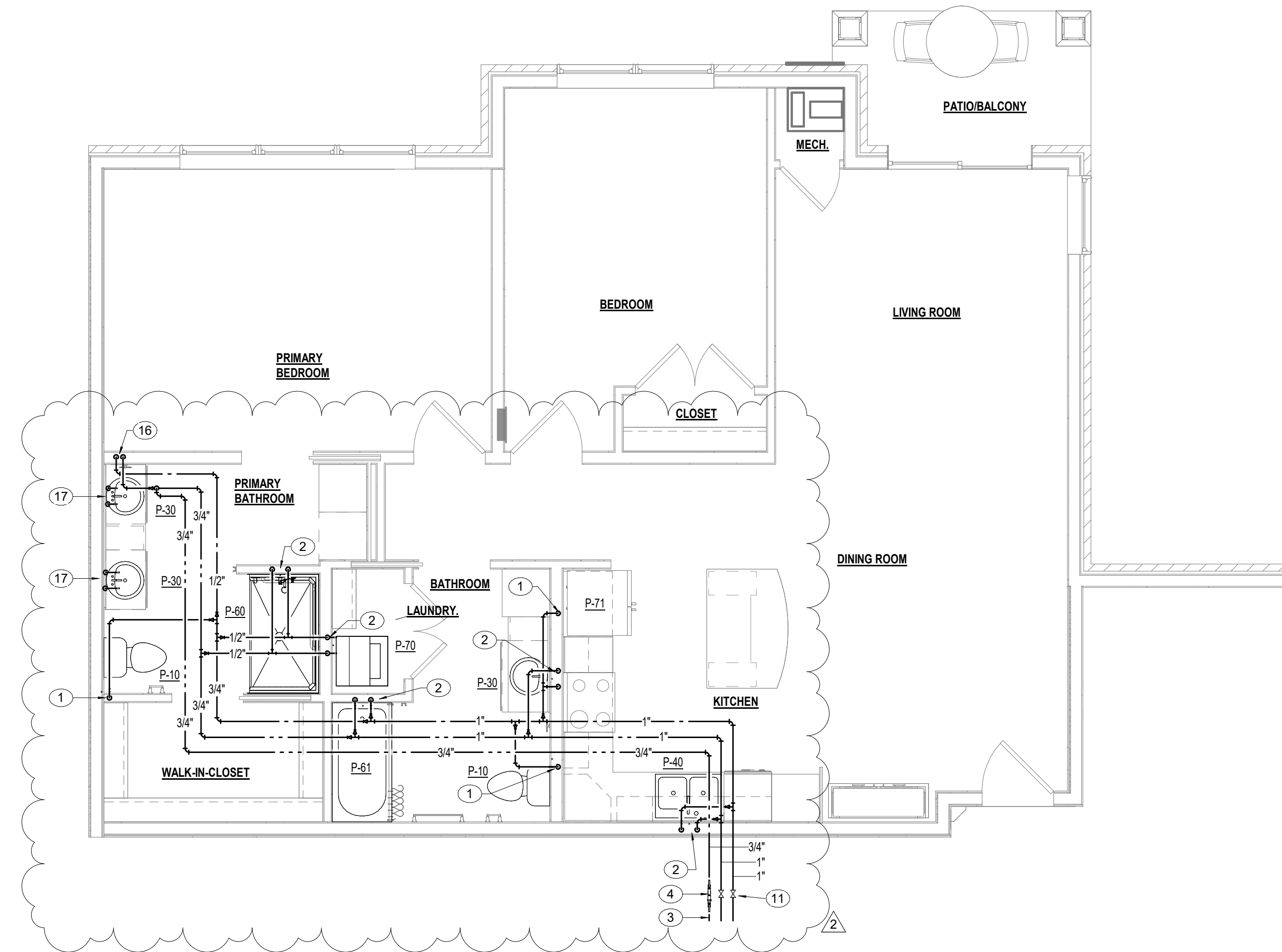
DRAWING TITLE

ROOF PLAN - PLUMBING

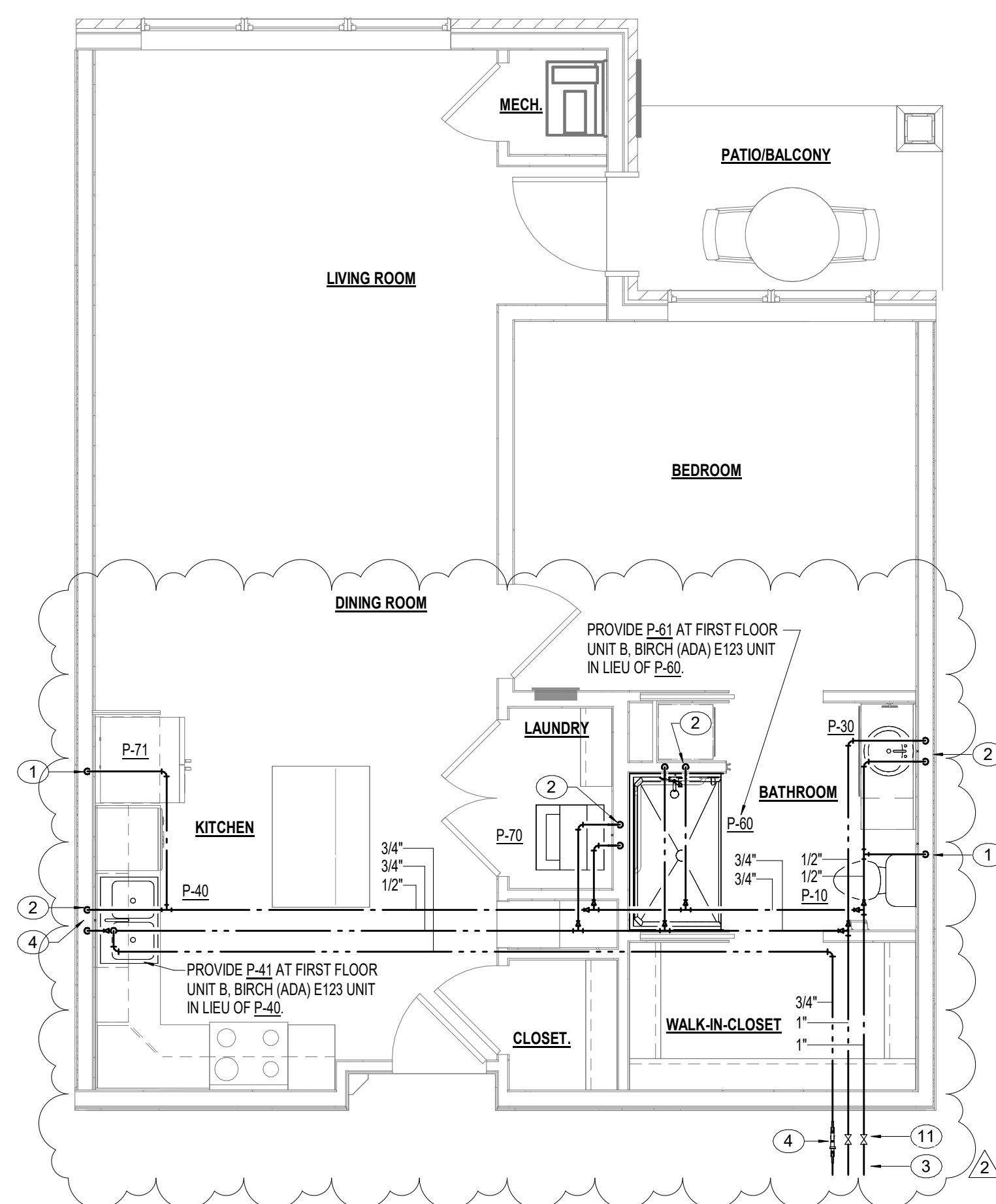
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	P3.1



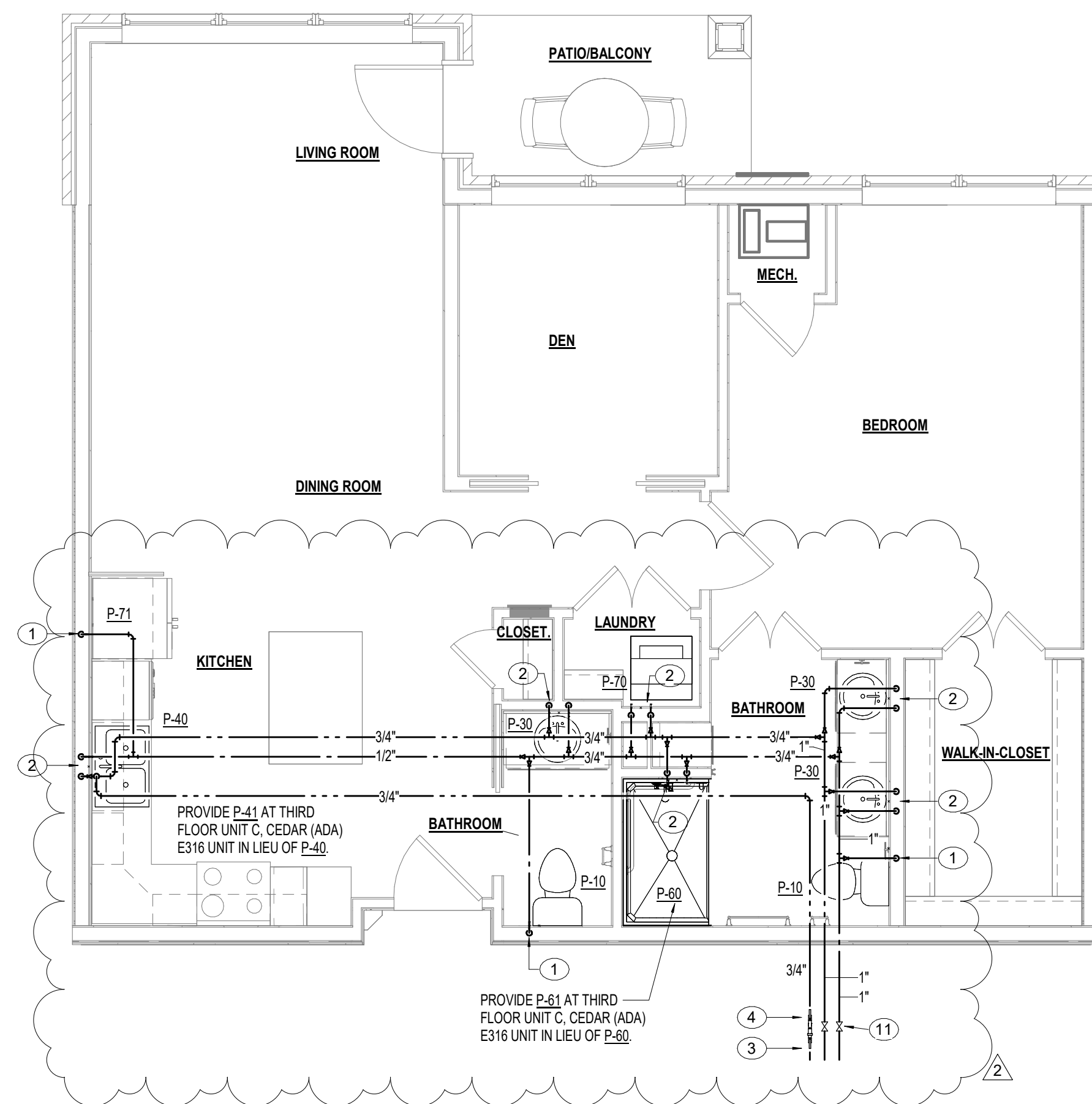
3 UNIT PLUMBING PLAN - HICKORY
P4.1 1/4" = 1'-0"



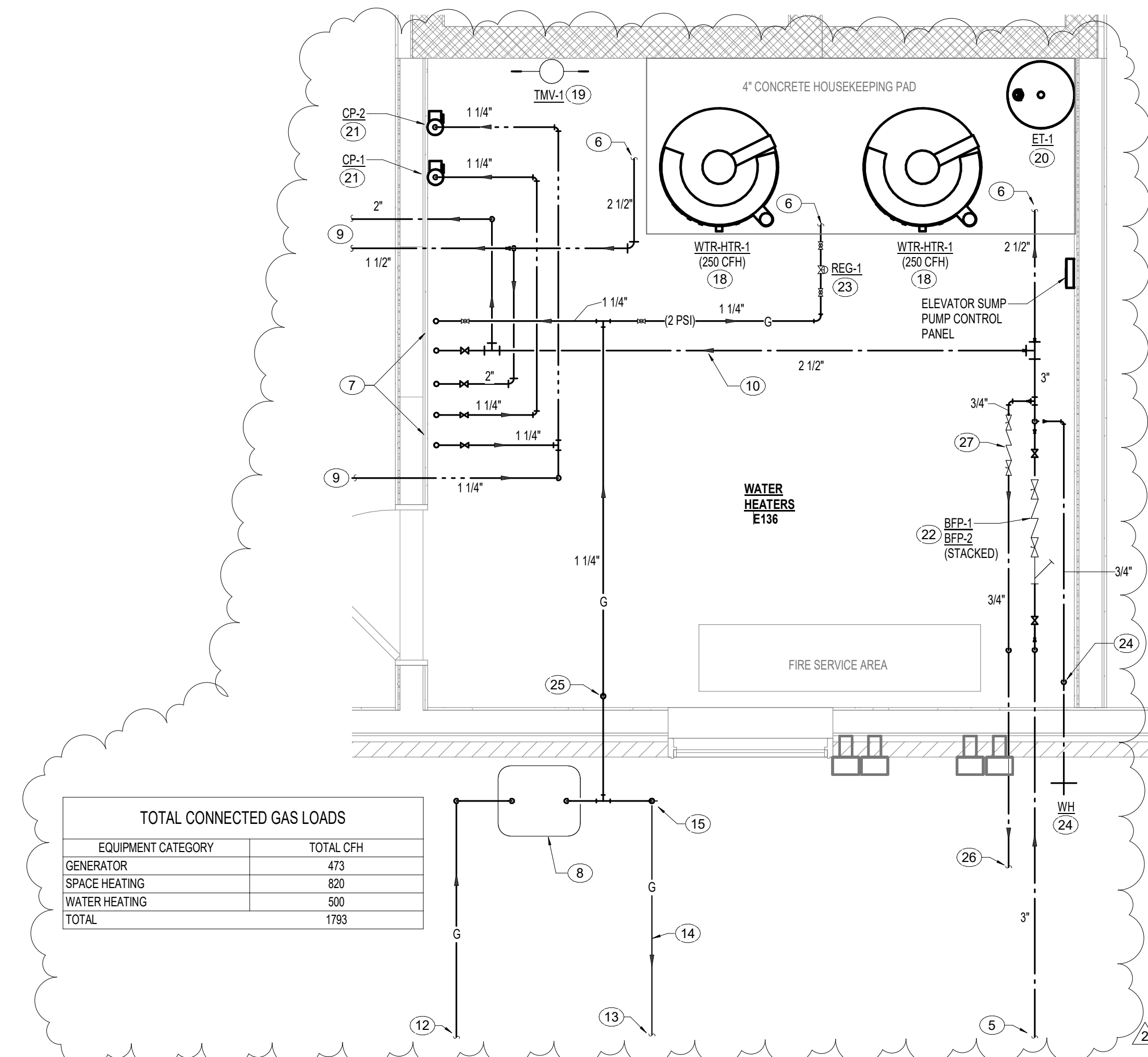
4 UNIT PLUMBING PLAN - CYPRESS & WILLOW
P4.1 1/4" = 1'-0"



1 UNIT PLUMBING PLAN - BIRCH
P4.1 1/4" = 1'-0"



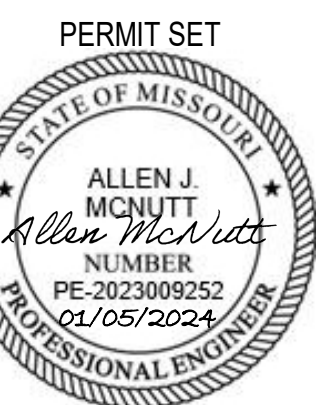
2 UNIT PLUMBING PLAN - CEDAR
P4.1 1/4" = 1'-0"



5 WATER HEATERS E136 ROOM
P4.1 1/2" = 1'-0"

PLAN NOTES (CONTINUED)
26. 3/4" CW LINE OUT TO SITE 5'-0". SEE CIVIL SITE PLANS FOR CONTINUATION OF CW LINE TO DOG PARK.
27. PROVIDE 3/4" REDUCED PRESSURE ZONE BACKFLOW PREVENTER EQUAL TO WATTS 8055 WITH STRAINER AND VALVES IN CW LINE. EXTEND DRAIN LINE TO NEAREST DRAIN AND SPILL WITH CODE APPROVED AIR GAP. PROVIDE VALVE AND BLOWOUT PORT DOWNSTREAM OF BACKFLOW PREVENTER TO ALLOW FOR DRAINING OF WATER LINE TO DOG PARK.

- GENERAL NOTES
- REFER TO FLOOR PLANS FOR ORIENTATION OF UNIT PLANS. UNIT PIPING MAY BE MIRRORED AND/OR OPPOSITE HAND BASED ON THE LOCATION AND CONFIGURATION OF THE UNIT IN THE BUILDING.
 - PIPING ROUTED IN JOIST SPACE AND THROUGH JOISTS SHALL BE INSTALLED AND LOCATED IN ACCORDANCE WITH JOIST MANUFACTURERS RECOMMENDATIONS. COORDINATE PIPE ROUTING WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN. PIPING SHOWN IS SCHEMATIC AND INDICATED FOR DESIGN INTENT.
- PLAN NOTES
- 1/2" CW LINE DOWN TO FIXTURE AND CONNECT.
 - 1/2" CW, 1/2" HW LINES DOWN TO FIXTURE(S) AND CONNECT.
 - REFER TO FLOOR PLAN FOR CONTINUATION OF CW, HW LINES AND UNIT SHUT-OFF VALVE LOCATIONS.
 - PROVIDE HOT WATER RETURN "CIRCUT SOLVER" ASSEMBLY IN AN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING. REFER TO DETAIL SHEET P0.1 FOR ADDITIONAL INFORMATION.
 - 3" DOMESTIC WATER SERVICE. SEE CIVIL SITE PLANS FOR CONTINUATION.
 - REFER TO WATER HEATER SYSTEM SCHEMATIC PIPING DIAGRAM SHEET P0.2 FOR CONTINUATION OF PIPING AND ADDITIONAL INFORMATION.
 - 1-1/4" (2 PSI) NATURAL GAS UP, 2-1/2" COLD WATER, 2" HOT WATER, 1-1/4" HOT WATER RECIRCULATION UP, AND 1-1/4" HOT WATER RECIRCULATION UP.
 - GAS METER, METER LOOP, PIPING VALVES, BY-PASS, VENTS, REGULATORS AND ETC. AS REQUIRED BY LOCAL GAS COMPANY. PAINT ALL EXPOSED GAS PIPING AND ACCESSORIES WITH TWO COATS OF RUST INHIBITOR TYPE PAINT. COLOR TO BE DETERMINED BY GAS COMPANY. 2 PSIG SERVICE PRESSURE.
 - REFER TO FLOOR PLANS FOR CONTINUATION OF LINES.
 - INDICATES FLOW DIRECTION IN PIPE (TYPICAL).
 - PROVIDE SHUT-OFF VALVES IN AN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING. LOCATION OF VALVES SHOWN IS BASED ON LAY-IN CEILING LOCATIONS. (TYPICAL FOR ALL SHUT-OFF VALVES SHOWN ON THIS SHEET, UNLESS NOTED OTHERWISE).
 - NATURAL GAS OUT TO SITE. REFER TO CIVIL ENGINEERS PLANS FOR CONTINUATION.
 - REFER TO FIRST FLOOR WATER AND GAS PLAN FOR CONTINUATION OF GAS PIPING TO GENERATOR.
 - 1" POLYETHYLENE (2 PSI) GAS LINE ROUTED BELOW GRADE. PROVIDE MINIMUM OF 24" OF COVER. PROVIDE TRACER WIRE AND WARNING TAPE IN TRENCH ABOVE PIPING. REFER TO WARNING TAPE TRACER WIRE DETAIL SHEET P0.1.
 - 1" (2 PSI) POLYETHYLENE GAS LINE UP FROM BELOW GRADE. PROVIDE ANODELESS ROSSER ASSEMBLY AND TERMINATE TRACER WIRE ON STEEL PIPING AS REQUIRED.
 - WHERE LAVATORIES ARE LOCATED ON AN EXTERIOR WALL, ROUTE PIPING DOWN IN INTERIOR WALL AND BELOW FLOORSLAB TO LAVATORIES LOCATED ON EXTERIOR WALL.
 - 1/2" CW, HW LINES UP FROM BELOW FLOORSLAB TO LAVATORY AND CONNECT. NO PIPING TO BE ROUTED IN EXTERIOR WALL. ROUGH-IN PIPING THROUGH BASE CABINET.
 - GAS FIRED WATER HEATER. REFER TO EQUIPMENT SCHEDULE SHEET P0.0 AND WATER HEATER SYSTEM SCHEMATIC PIPING DIAGRAM SHEET P0.2 FOR ADDITIONAL INFORMATION.
 - THERMOSTATIC MIXING VALVE ASSEMBLY MOUNTED ON WALL 5'-0" ABOVE FINISHED FLOOR TO CENTERLINE. REFER TO EQUIPMENT SCHEDULE SHEET P0.0 AND WATER HEATER SYSTEM SCHEMATIC PIPING DIAGRAM SHEET P0.2 FOR ADDITIONAL INFORMATION.
 - EXPANSION TANK. REFER TO EQUIPMENT SCHEDULE SHEET P0.0 AND WATER HEATER SYSTEM SCHEMATIC PIPING DIAGRAM SHEET P0.2 FOR ADDITIONAL INFORMATION.
 - HOT WATER RETURN CIRCULATING PUMP MOUNTED ON WALL 4'-0" ABOVE FINISHED FLOOR TO CENTERLINE. REFER TO EQUIPMENT SCHEDULE SHEET P0.0, IN LINE RECIRCULATION PUMP PIPING DIAGRAM SHEET P0.1, AND WATER HEATER SYSTEM SCHEMATIC PIPING DIAGRAM SHEET P0.2 FOR ADDITIONAL INFORMATION.
 - REDUCED PRESSURE PRINCIPLE TYPE BACKFLOW PREVENTERS. REFER TO EQUIPMENT SCHEDULE SHEET P0.0 AND BACKFLOW PREVENTER DETAIL SHEET P0.1 FOR ADDITIONAL INFORMATION.
 - GAS PRESSURE REGULATOR STATION. REFER TO DETAIL AND SCHEDULE SHEET P0.1 FOR ADDITIONAL INFORMATION. VERIFY EXACT LOCATION ON SITE.
 - 3/4" CW LINE DOWN TO WALL HYDRANT AND CONNECT. PROVIDE SHUT-OFF VALVE IN LINE TO WALL HYDRANT. WALL HYDRANT TO BE USED FOR SYSTEM DRAIN AS WELL.
 - 1-1/4" (2 PSI) GAS LINE UP ON WALL. PROVIDE MAIN GAS SHUT OFF VALVE IN VERTICAL LINE 48" ABOVE FLOOR. PROVIDE SIGN AT VALVE STATING "MAIN GAS SHUT OFF VALVE - DO NOT OPERATE".



PROJECT TITLE



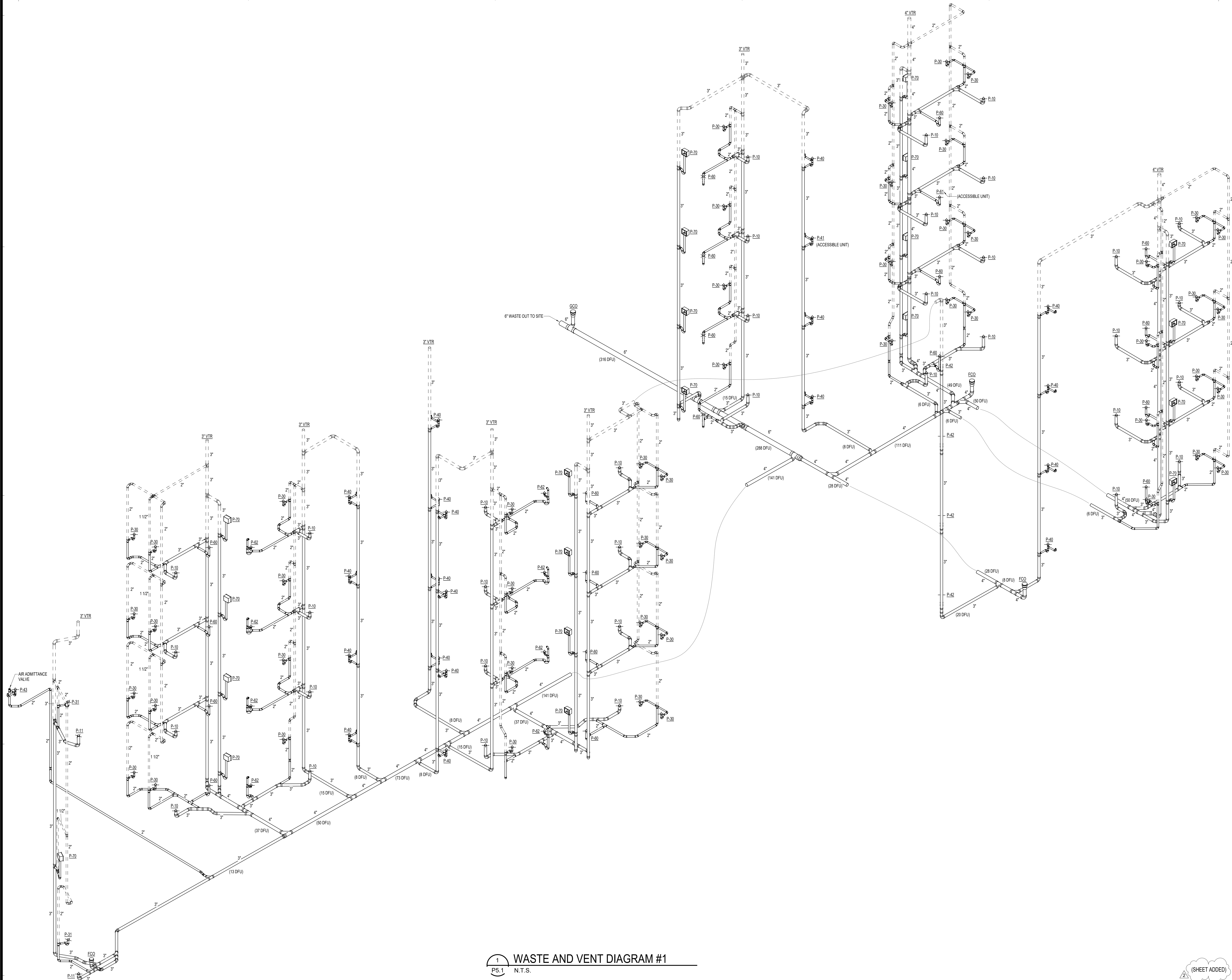
COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors
SFCs Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcsc.com

DESIGNER : DAS
ARCHITECT : DAS
ENGINEER : AJM
NO. 2
REVISION DESCRIPTION
Rev 1 - Permit Comments
DATE 02/15/24

DRAWING TITLE
ENLARGED PLANS - PLUMBING

DATE: January 5, 2024
COMM. NO. 23104.00
DRAWING
P4.1



1 WASTE AND VENT DIAGRAM #1
P5.1 N.T.S.

(SHEET ADDED)



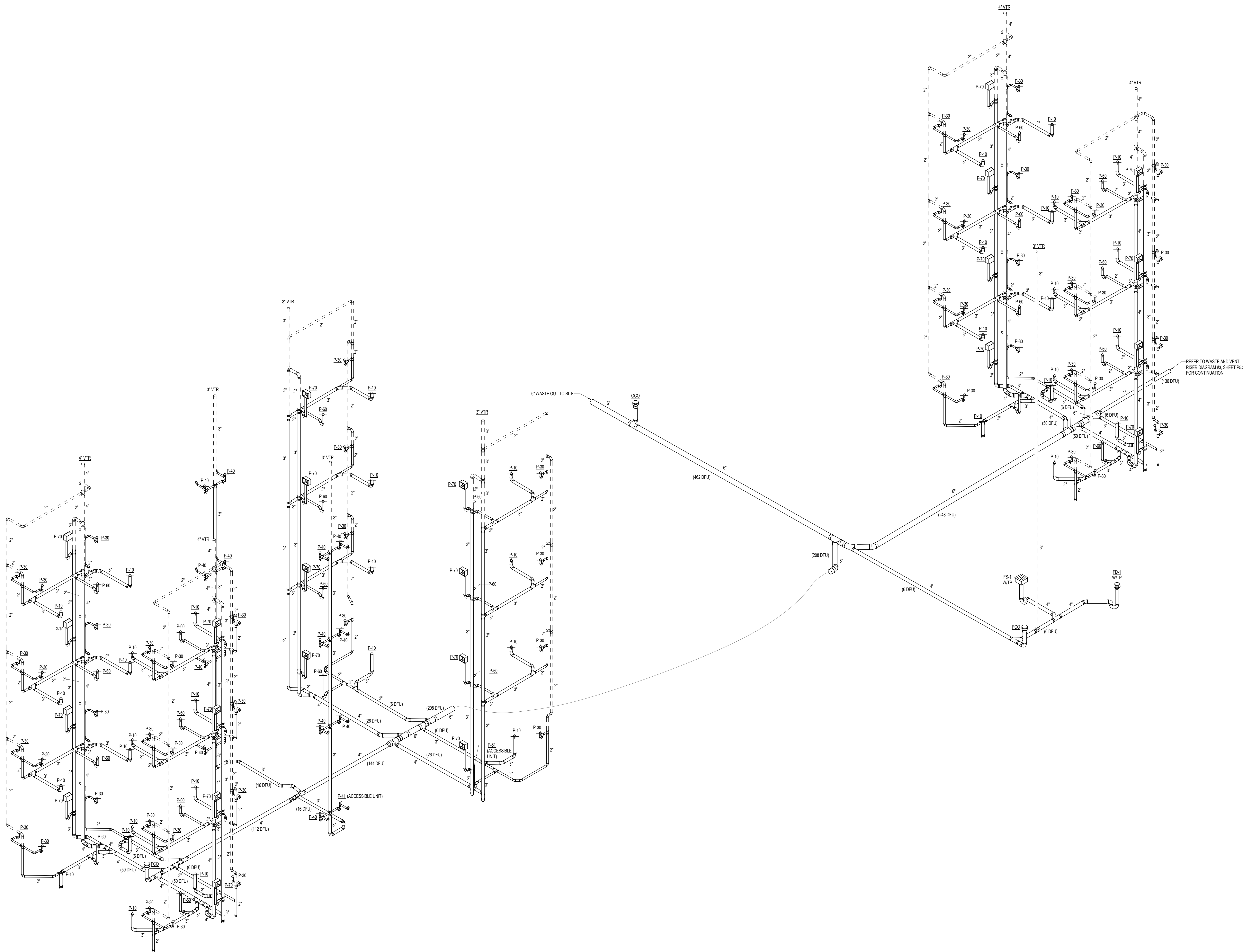
John Knox Village
COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors
SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfc.com

DESIGNER : DAS	DRAWN : DPWMAH
ARCHITECT : DAS	CHECKED : DPWMAH
ENGINEER : AJM	APPROVED : AJM
NO. 2	REVISION DESCRIPTION DATE
	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE
WASTE AND VENT RISER
DIAGRAMS

DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	P5.1



1 WASTE AND VENT DIAGRAM #2
P5.2 N.T.S.

(SHEET ADDED)



COURTYARDS - BUILDING E

SFC
Architecture
Engineering
Planning
Interiors
SFC Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfc.com

DESIGNER : DAS	DRAWN : DPW/MAH	
ARCHITECT : DAS	CHECKED : DPW/MAH	
ENGINEER : AJM	APPROVED : AJM	
NO.	REVISION DESCRIPTION	DATE
2	Rev 1 - Permit Comments	02/15/24

DRAWING TITLE
WASTE AND VENT RISER
DIAGRAMS

DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	P5.2

MECHANICAL & PLUMBING EQUIPMENT ELECTRICAL CONNECTION SCHEDULE													
Load Name	Description	Load (VA)	Voltage	# of Poles	Wire Size	Conduit Size	# of Runs	Disconnect	Panel	Circuit Number	Rating	Remarks	
CP-1	CIRCULATION PUMP	1125 VA	208 V	2	2-#12, 1-#12, 1-#12	3/4"	1	2P, 30A, 240V, DISCONNECT SWITCH IN NEMA 1 ENCLOSURE	NLDP1	38.40	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
CP-2	CIRCULATION PUMP	1125 VA	208 V	2	2-#12, 1-#12, 1-#12	3/4"	1	2P, 30A, 240V, DISCONNECT SWITCH IN NEMA 1 ENCLOSURE	NLDP1	37.39	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
EF-1 (UNIT B)	EXHAUST FAN	40 VA	120 V	1	1-#12, 1-#12, 1-#12	3/4"	1	MANUFACTURER PROVIDED NON-FUSED DISCONNECT SWITCH.	LC-B	29	20 A	THIS EXHAUST FAN IS CIRCUITED TO UNIT TYPE B. THIS INFORMATION IS TYPICAL FOR THE EF-1 SERVING DWELLING UNITS #E14, E103, E104, E204, E205, E206, E314, E303, E304, E414, E403 & E404 ALL FED FROM THEIR OWN LC-B LOAD CENTERS SHOWN ON ENLARGED UNIT PLANS. VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.	
EF-1 (UNIT C)	EXHAUST FAN	160 VA	120 V	1	1-#12, 1-#12, 1-#12	3/4"	1	MANUFACTURER PROVIDED NON-FUSED DISCONNECT SWITCH.	LC-C	22	20 A	THIS EXHAUST FAN IS CIRCUITED TO UNIT TYPE C. THIS INFORMATION IS TYPICAL FOR THE EF-1 SERVING DWELLING UNITS #E16, E110, E101, E102, E103, E104, E210, E202, E203, E204, E310, E316, E301, E302, E303, E410, E416, E401, E402, E403 & E404 ALL FED FROM THEIR OWN LC-C LOAD CENTERS SHOWN ON ENLARGED UNIT PLANS. VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.	
EF-1 (UNIT D1)	EXHAUST FAN	160 VA	120 V	1	1-#12, 1-#12, 1-#12	3/4"	1	MANUFACTURER PROVIDED NON-FUSED DISCONNECT SWITCH.	LC-D1	22	20 A	THIS EXHAUST FAN IS CIRCUITED TO UNIT TYPE D1. THIS INFORMATION IS TYPICAL FOR THE EF-1 SERVING DWELLING UNITS #E104, E105, E204, E205, E304, E305, E404 & E405 ALL FED FROM THEIR OWN LC-D1 LOAD CENTERS SHOWN ON ENLARGED UNIT PLANS. VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.	
EF-1 (UNIT D2)	EXHAUST FAN	160 VA	120 V	1	1-#12, 1-#12, 1-#12	3/4"	1	MANUFACTURER PROVIDED NON-FUSED DISCONNECT SWITCH.	LC-D2	22	20 A	THIS EXHAUST FAN IS CIRCUITED TO UNIT TYPE D2. THIS INFORMATION IS TYPICAL FOR THE EF-1 SERVING DWELLING UNITS #E111, E211, E311 & E411 ALL FED FROM THEIR OWN LC-D2 LOAD CENTERS SHOWN ON ENLARGED UNIT PLANS. VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.	
EF-1 (UNIT D3)	EXHAUST FAN	160 VA	120 V	1	1-#12, 1-#12, 1-#12	3/4"	1	MANUFACTURER PROVIDED NON-FUSED DISCONNECT SWITCH.	LC-D3	22	20 A	THIS EXHAUST FAN IS CIRCUITED TO UNIT TYPE D3. THIS INFORMATION IS TYPICAL FOR THE EF-1 SERVING DWELLING UNITS #E112, E212, E312, E412 ALL FED FROM THEIR OWN LC-D3 LOAD CENTERS SHOWN ON ENLARGED UNIT PLANS. VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.	
EF-2 (RES. CLOSET #E302)	EXHAUST FAN	528 VA	120 V	1	1-#12, 1-#12, 1-#12	3/4"	1	MANUFACTURER PROVIDED NON-FUSED DISCONNECT SWITCH.	NLDP1	25	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
EF-2 (RES. CLOSET #E402)	EXHAUST FAN	528 VA	120 V	1	1-#12, 1-#12, 1-#12	3/4"	1	MANUFACTURER PROVIDED NON-FUSED DISCONNECT SWITCH.	NLDP4	36	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
EW-1 (STAIRWELL #1, 4TH FLOOR)	ELECTRIC WALL HEATER	3000 VA	208 V	2	2-#12, 1-#12, 1-#12	3/4"	1	MANUFACTURER PROVIDED NON-FUSED DISCONNECT SWITCH.	NLDP4	19.11	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
EW-1 (STAIRWELL #1, 1ST FLOOR)	ELECTRIC WALL HEATER	3000 VA	208 V	2	2-#10, 1-#10, 1-#10	3/4"	1	MANUFACTURER PROVIDED NON-FUSED DISCONNECT SWITCH.	NLDP1	30.32	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
EW-1 (STAIRWELL #2, 4TH FLOOR)	ELECTRIC WALL HEATER	3000 VA	208 V	2	2-#10, 1-#10, 1-#10	3/4"	1	MANUFACTURER PROVIDED NON-FUSED DISCONNECT SWITCH.	NLDP4	13.15	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
EW-1 (STAIRWELL #2, 1ST FLOOR)	ELECTRIC WALL HEATER	3000 VA	208 V	2	2-#10, 1-#10, 1-#10	3/4"	1	MANUFACTURER PROVIDED NON-FUSED DISCONNECT SWITCH.	NLDP1	29.31	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
F-1 (L. ROOF)	EXHAUST FAN	700 VA	120 V	1	1-#10, 1-#10, 1-#10	3/4"	1	MANUFACTURER PROVIDED DISCONNECT SWITCH.	NLDP4	29	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
F-2 (ATRIUM ROOF)	EXHAUST FAN	528 VA	120 V	1	1-#12, 1-#12, 1-#12	3/4"	1	MANUFACTURER PROVIDED DISCONNECT SWITCH.	NLDP4	27	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
RTU-1	ROOF TOP UNIT (DX COOLING & NAT GAS HEAT)	25500 VA	208 V	3	3-#10, 1-#10, 1-#10	1"	1	2P, 30A, 240V, DISCONNECT SWITCH IN NEMA 3R ENCLOSURE	NLDP4	29.31.33	60 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
RTU-2	ROOF TOP UNIT (DX COOLING & NAT GAS HEAT)	25500 VA	208 V	3	3-#10, 1-#10, 1-#10	1"	1	2P, 30A, 240V, DISCONNECT SWITCH IN NEMA 3R ENCLOSURE	NLDP4	19.32.34	60 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
MTU-3	ROOF TOP UNIT (DX COOLING & NAT GAS HEAT)	25500 VA	208 V	3	3-#10, 1-#10, 1-#10	1"	1	2P, 30A, 240V, DISCONNECT SWITCH IN NEMA 3R ENCLOSURE	NLDP4	26.37.36	110 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
SEV-1	SMOKE EVACUATION EXHAUST FAN	6012 VA	208 V	3	3-#10, 1-#10, 1-#10	1"	1	MANUFACTURER PROVIDED DISCONNECT SWITCH AND ECM	EMLP1	18.11.13	30 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
SEV-2	SMOKE EVACUATION EXHAUST FAN	6012 VA	208 V	3	3-#10, 1-#10, 1-#10	1"	1	MANUFACTURER PROVIDED DISCONNECT SWITCH AND ECM	EMLP1	19.33.35	30 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
SEV-3	SMOKE EVACUATION EXHAUST FAN	6012 VA	208 V	3	3-#10, 1-#10, 1-#10	1"	1	MANUFACTURER PROVIDED DISCONNECT SWITCH AND ECM	EMLP1	12.34.36	30 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
SP-1	SUMP PUMP	1740 VA	120 V	1	1-#10, 1-#10, 1-#10	3/4"	1	2P, 30A, 240V, DISCONNECT SWITCH IN NEMA 3R ENCLOSURE	NLDP1	24	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
SP-2	SUMP PUMP	1176 VA	120 V	1	1-#10, 1-#10, 1-#10	3/4"	1	2P, 30A, 240V, DISCONNECT SWITCH IN NEMA 3R ENCLOSURE	NLDP1	17	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
TMV-1 (CONTROLS)	THERMOSTATIC MIXING VALVE	240 VA	120 V	1	1-#12, 1-#12, 1-#12	3/4"	1	JUNCTION BOX	NLDP1	34	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
VPAC-1 (UNIT B)	VERTICAL PACKAGED TERMINAL AIR CONDITIONER UNITS (THRU WALL)	7280 VA	208 V	2	2-#10, 1-#10, 1-#10	1"	1	2P, 30A, 240V, DISCONNECT SWITCH IN NEMA 1 ENCLOSURE	LC-B	19.21	40 A	THIS VPAC IS CIRCUITED TO UNIT TYPE B. THIS INFORMATION IS TYPICAL FOR THE VPAC-1 SERVING DWELLING UNITS #E14, E103, E104, E214, E224, E225, E226, E314, E303, E304, E414, E403 & E404 ALL FED FROM THEIR OWN LC-B LOAD CENTERS SHOWN ON ENLARGED UNIT PLANS. VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.	
VPAC-2 (UNIT C)	VERTICAL PACKAGED TERMINAL AIR CONDITIONER UNITS (THRU WALL)	7280 VA	208 V	2	2-#10, 1-#10, 1-#10	1"	1	2P, 30A, 240V, DISCONNECT SWITCH IN NEMA 1 ENCLOSURE	LC-C	21.23	40 A	THIS VPAC IS CIRCUITED TO UNIT TYPE C. THIS INFORMATION IS TYPICAL FOR THE VPAC-2 SERVING DWELLING UNITS #E16, E110, E101, E102, E103, E104, E216, E210, E202, E203, E204, E316, E301, E302, E303, E416, E410, E416, E401, E402, E403 & E404 ALL FED FROM THEIR OWN LC-C LOAD CENTERS SHOWN ON ENLARGED UNIT PLANS. VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.	
VPAC-3 (UNIT D1)	VERTICAL PACKAGED TERMINAL AIR CONDITIONER UNITS (THRU WALL)	6666 VA	208 V	2	2-#10, 1-#10, 1-#10	1"	1	2P, 30A, 240V, DISCONNECT SWITCH IN NEMA 1 ENCLOSURE	LC-D1	21.23	50 A	THIS VPAC IS CIRCUITED TO UNIT TYPE D1. THIS INFORMATION IS TYPICAL FOR THE VPAC-3 SERVING DWELLING UNITS #E104, E105, E204, E205, E304, E305, E404 & E405 ALL FED FROM THEIR OWN LC-D1 LOAD CENTERS SHOWN ON ENLARGED UNIT PLANS. VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.	
VPAC-3 (UNIT D2)	VERTICAL PACKAGED TERMINAL AIR CONDITIONER UNITS (THRU WALL)	6666 VA	208 V	2	2-#10, 1-#10, 1-#10	1"	1	2P, 30A, 240V, DISCONNECT SWITCH IN NEMA 1 ENCLOSURE	LC-D2	21.23	50 A	THIS VPAC IS CIRCUITED TO UNIT TYPE D2. THIS INFORMATION IS TYPICAL FOR THE VPAC-3 SERVING DWELLING UNITS #E111, E211, E311 & E411 ALL FED FROM THEIR OWN LC-D2 LOAD CENTERS SHOWN ON ENLARGED UNIT PLANS. VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.	
VPAC-3 (UNIT D3)	VERTICAL PACKAGED TERMINAL AIR CONDITIONER UNITS (THRU WALL)	6666 VA	208 V	2	2-#10, 1-#10, 1-#10	1"	1	2P, 30A, 240V, DISCONNECT SWITCH IN NEMA 1 ENCLOSURE	LC-D3	21.23	50 A	THIS VPAC IS CIRCUITED TO UNIT TYPE D3. THIS INFORMATION IS TYPICAL FOR THE VPAC-3 SERVING DWELLING UNITS #E112, E212, E312, E412 ALL FED FROM THEIR OWN LC-D3 LOAD CENTERS SHOWN ON ENLARGED UNIT PLANS. VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.	
WTR-HTR-1 (CONTROLS)	WATER HEATER	600 VA	120 V	1	1-#12, 1-#12, 1-#12	3/4"	1	JUNCTION BOX	NLDP1	33	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	
WTR-HTR-2 (CONTROLS)	WATER HEATER	600 VA	120 V	1	1-#12, 1-#12, 1-#12	3/4"	1	JUNCTION BOX	NLDP1	35	20 A	VERIFY LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN	

GENERAL NOTES



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCS Architecture
Engineering
Planning
Interiors

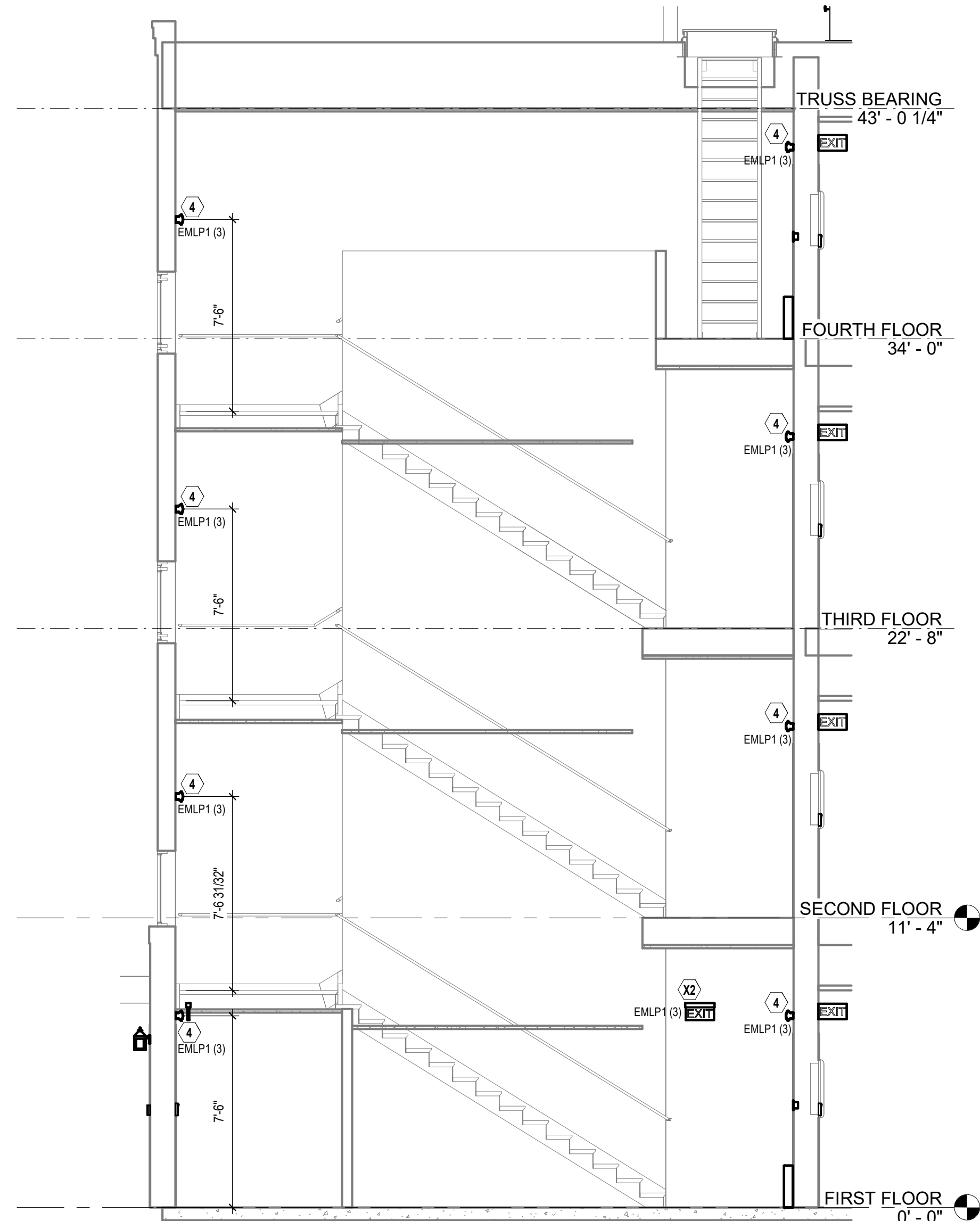
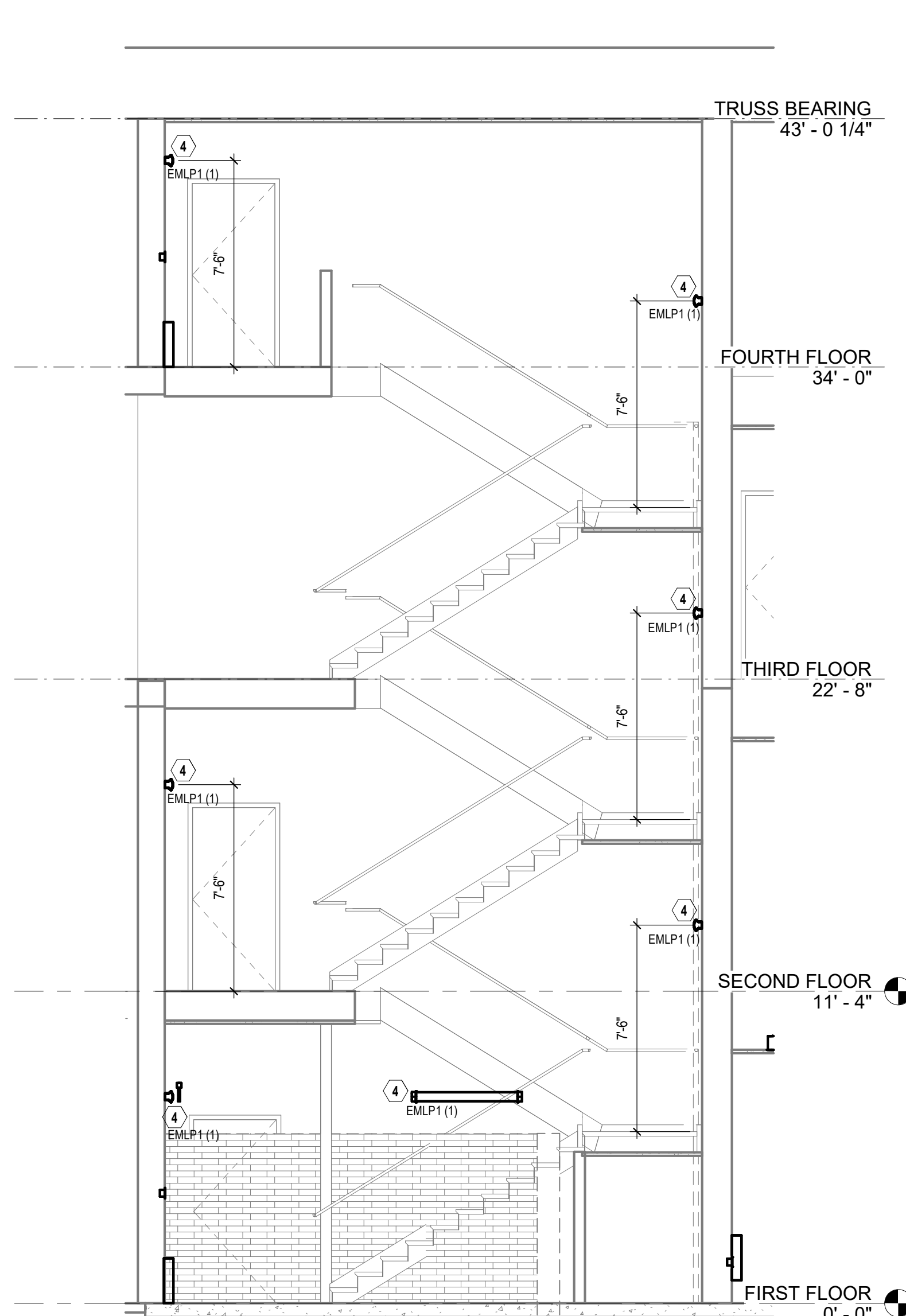
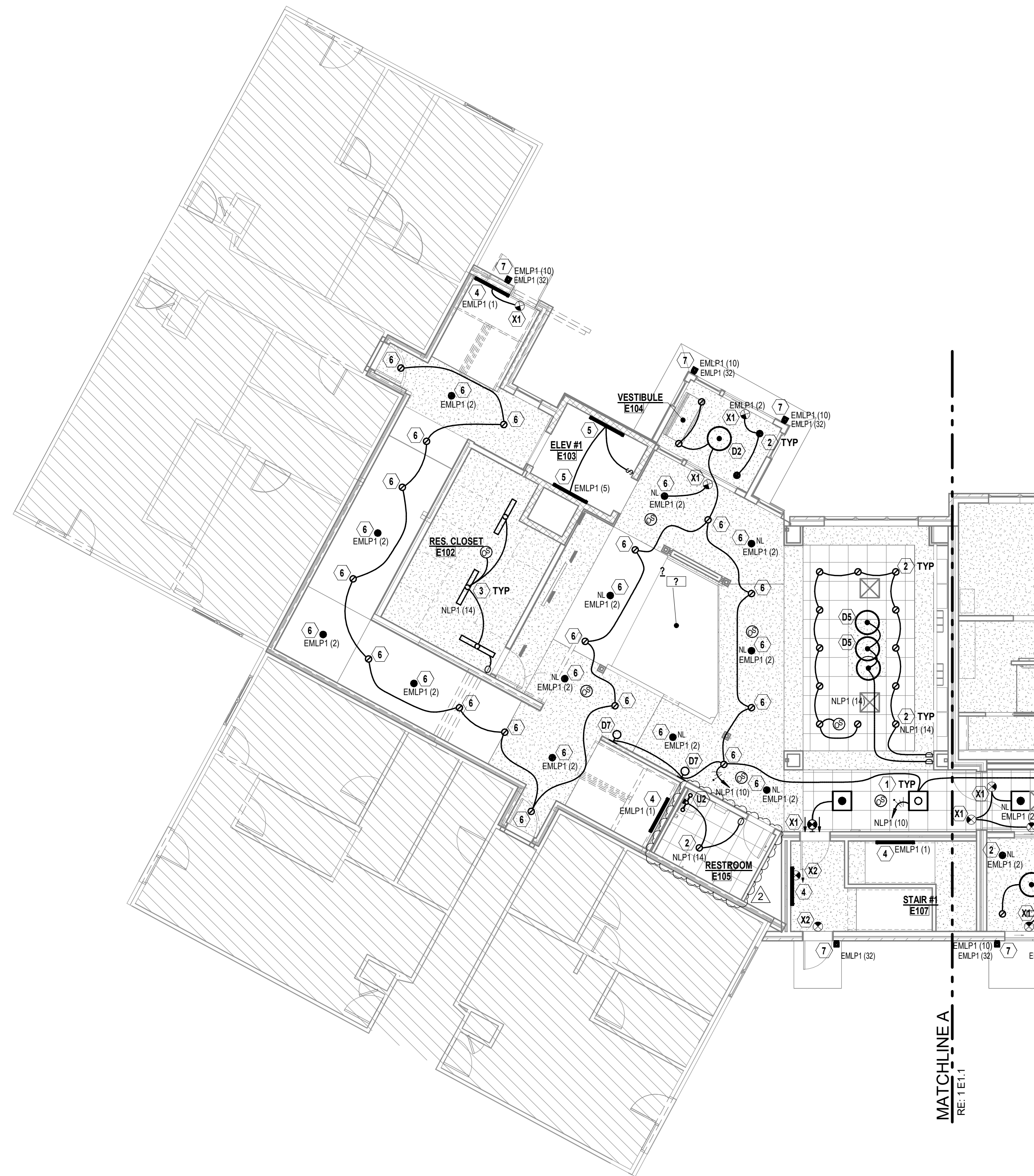
SFCS Inc. • 1927 South Tryon St. - Suite 207
Charlotte, North Carolina 28203.4633
704.372.7327 • Fax 704.372.7369
www.sfcs.com

DESIGNER : DAS	DRAWN : MAW, DKW
ARCHITECT : DAS	CHECKED : MAW
ENGINEER : MAW	APPROVED : JSK
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE

MECHANICAL & PLUMBING
EQUIPMENT ELECTRICAL
CONNECTION SCHEDULE

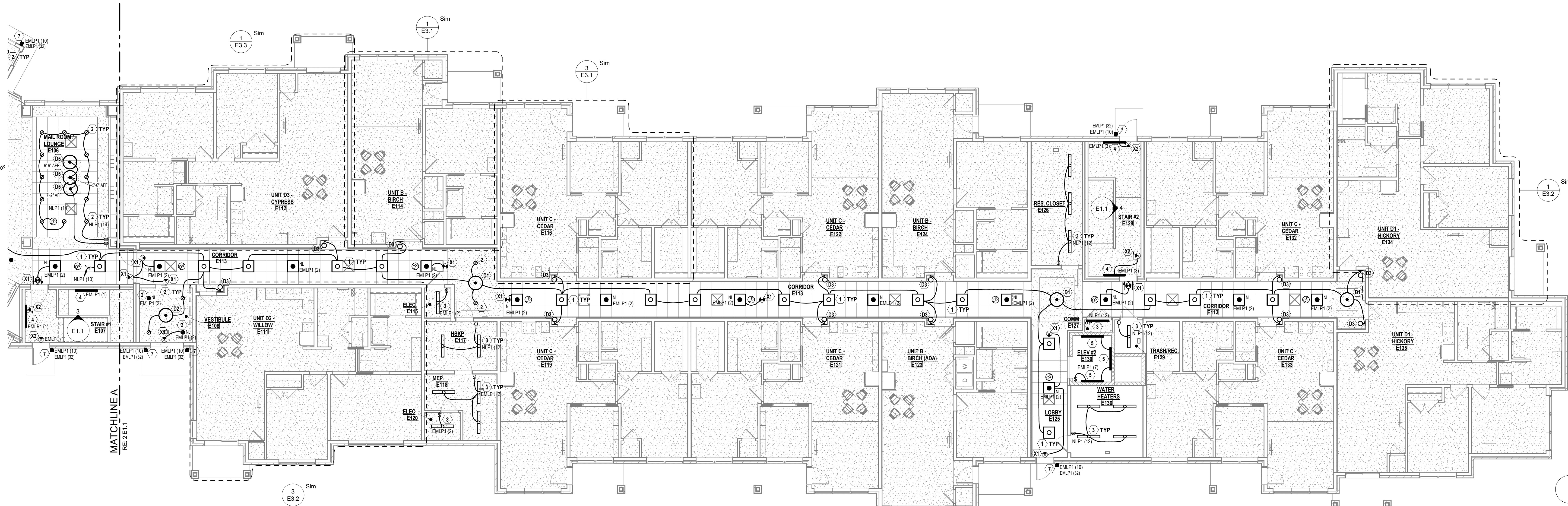
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	E0.3



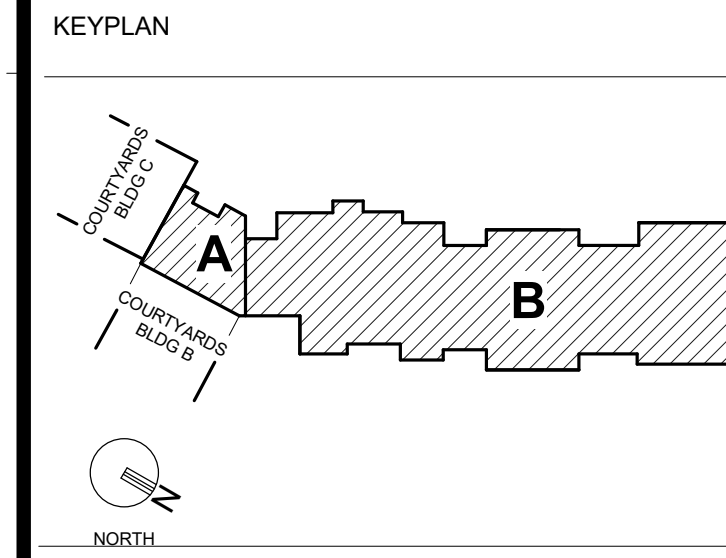
2 FIRST FLOOR ATRIUM - LIGHTING
E1.1 1/8" = 1'-0"

3 STAIRWELL #1 - LIGHTING ELEVATION
E1.1 1/4" = 1'-0"

4 STAIRWELL #2 - LIGHTING ELEVATION
E1.1 1/4" = 1'-0"



1 FIRST FLOOR IL UNITS - LIGHTING
E1.1 1/8" = 1'-0"



- GENERAL NOTES
- SHADED LUMINAIRE OR (E) TAG INDICATES LUMINAIRE EQUIPPED WITH EMERGENCY BATTERY BACKUP OR CONNECTED TO EMERGENCY BRANCH CIRCUIT.
 - COMMON AREAS, CORRIDOR SPACES SHALL BE CONTROLLED VIA LIGHTING CONTROL PANEL.
 - ALL EXIT SIGNS SHALL BE TWO (2) CIRCUIT TYPE (NON-CONNECTED TO EMERGENCY CIRCUIT) INDICATED AS WELL AS TO LOCAL "NORMAL" BRANCH CIRCUIT. "NORMAL" CIRCUIT CONNECTED TO EMERGENCY EXIT SIGNS SHALL BE UNSWITCHED. CONNECT EXIT SIGNS AHEAD OF LIGHT SWITCH AND EXTEND ADDITIONAL "HOT" CONDUCTOR TO KEEP DEVICES UNSWITCHED.
 - COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATIONS OF UNDERCABINET LIGHTING. PROVIDE NOTICES WITH LOCAL WALL SWITCH.
 - COORDINATE LUMINAIRE PLACEMENT WITH ARCHITECTURAL PLANS AND OTHER TRADES.
 - COORDINATE LUMINAIRE TYPE AND ACCESSORIES FOR INSTALLATION IN CEILING TYPES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS.
 - LUMINAIRES SHALL BE CONTROLLED BY SWITCHES SHOWN IN EACH SPACE AND CONNECTED TO LIGHTING PANELS WITH THE REQUIRED QUANTITY OF WIRES FOR PROPER OPERATION.
 - LUMINAIRES INDICATED WITH MULTILEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INWARD AND OUTWARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
 - CONNECT EXIT LIGHTS, EMERGENCY BATTERIES, AND NIGHT LIGHTS TO UNSWITCHED LEG OF CIRCUIT. THE UNSWITCHED LEG SHALL BYPASS ANY LIGHTING CONTROL DEVICES INCLUDING RELAYS, SWITCHES, OCCUPANCY SENSORS, OR DIMMABLE CONTROL DEVICES.
 - TEST SWITCHES FOR EMERGENCY BATTERIES SHALL BE INTEGRAL TO LUMINAIRE. COORDINATE WITH SUPPLIER AS FACTORY INSTALLED BATTERIES MAY BE NECESSARY TO MEET THIS REQUIREMENT.
 - LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
 - INSTALL SWITCHES AND OTHER CONTROL DEVICES WITHIN 12" OF LATCH SIDE OF DOOR, SLED LIGHT OR DOOR SWING IN OPEN POSITION. DO NOT INSTALL DEVICES BEHIND DOOR SWING. COORDINATE WITH ACTUAL DOOR ASSEMBLY PRIOR TO INSTALLATION.
 - LOCATE OCCUPANCY SENSORS FOR MAXIMUM COVERAGE AND TO LIMIT FALSE TRIPPING. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR ALLOWABLE PROXIMITY TO MECHANICAL DIFFUSERS.
 - INSTALL POWER PACKS OR OTHER CONTROL RELAYS ABOVE ACCESSIBLE CEILING. LABEL DEVICE AND AREA IT CONTROLS.
 - LOCATE PHOTOCELLS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR OPTIMAL RESPONSE TO NATURAL LIGHT IN SPACE AND TO MINIMIZE FALSE READINGS.
 - ADJUST SENSITIVITY COVERAGE AREA AND TIME DELAY FOR LIGHTING CONTROL DEVICES DURING CONSTRUCTION. PROVIDE FOLLOW UP VISIT THREE WEEKS AFTER OWNER HAS OCCUPIED SPACE TO MAKE ADDITIONAL ADJUSTMENTS TO ACCOUNT FOR FURNITURE LAYOUTS AND USER INPUT.
 - COORDINATE WITH MECHANICAL CONTRACTOR FOR INTEGRATION OF OCCUPANCY SENSORS WITH MECHANICAL SYSTEM CONTROLS. PROVIDE ADDITIONAL RELAYS AS REQUIRED.
 - RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED TO INSERT LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING.

PLAN NOTES



PROJECT TITLE

John Knox Village
COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfc.com

DESIGNER : DAS	DRAWN : MAW, DKW
ARCHITECT : DAS	CHECKED : MAW
ENGINEER : MAW	APPROVED : JSK
NO. 2	REVISION DESCRIPTION DATE
Rev 1 - Permit Comments	02/15/24

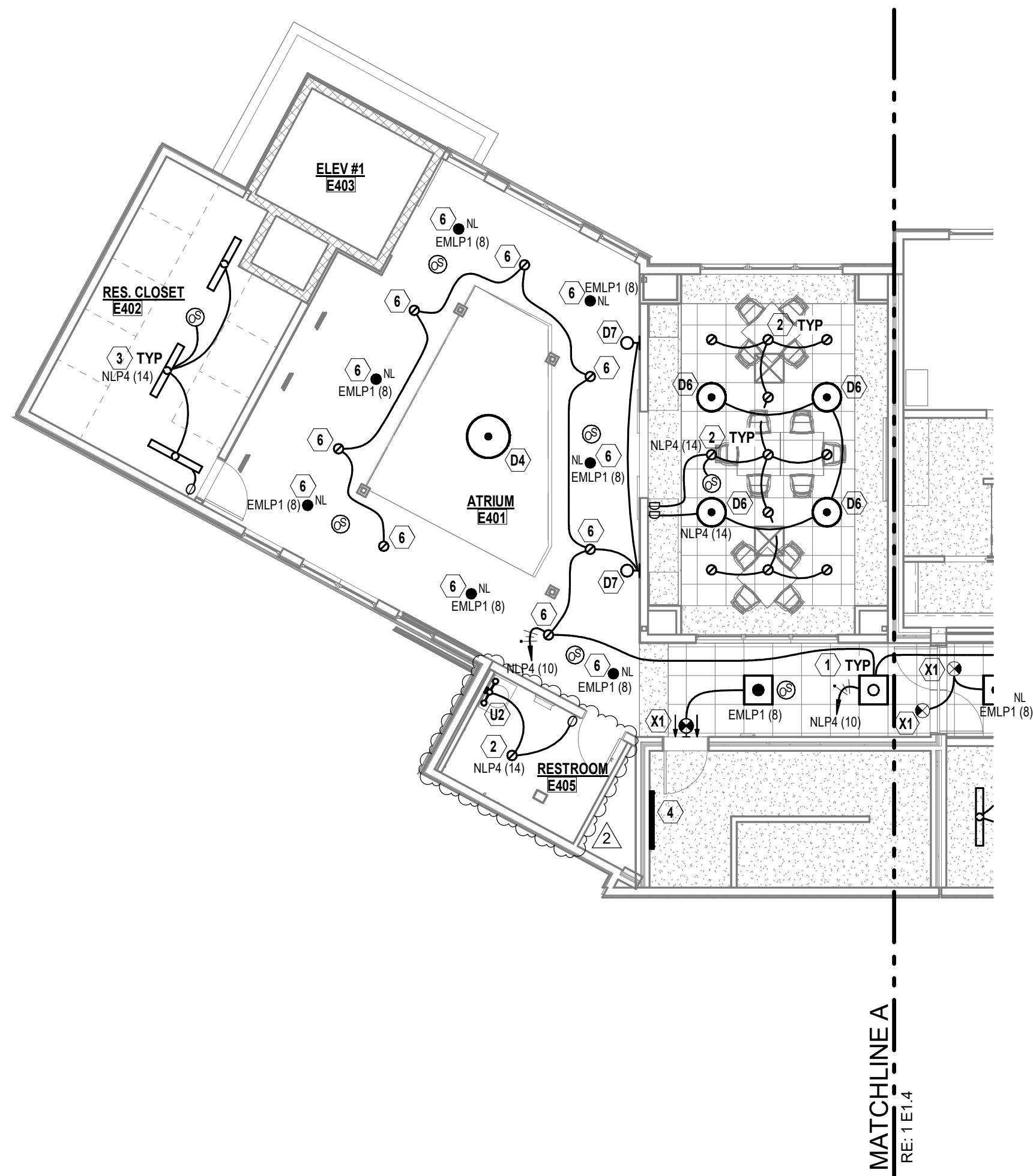
DRAWING TITLE

FIRST FLOOR PLAN - LIGHTING

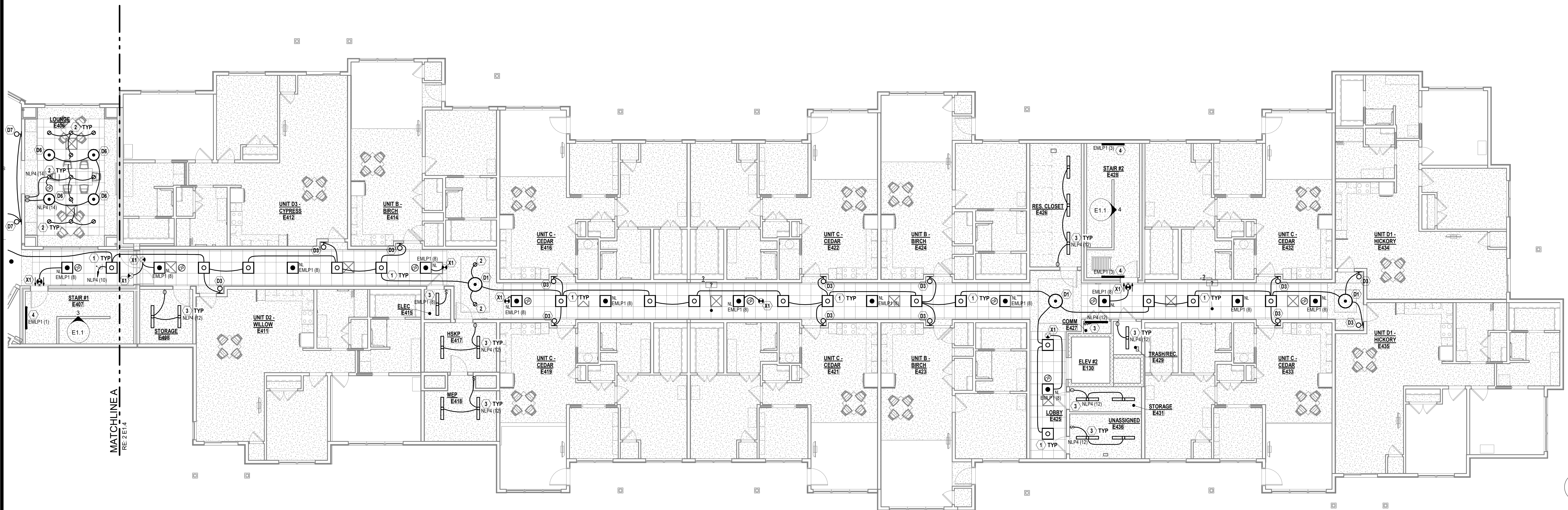
DATE: January 5, 2024
DRAWING

COM. NO. 23104.00

E1.1

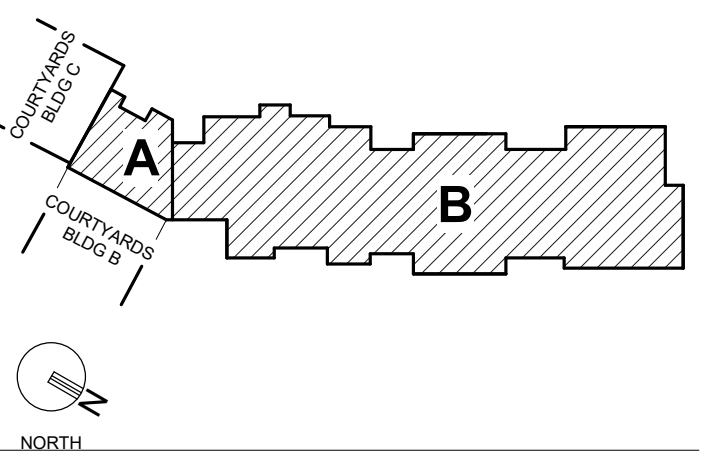


2
E1.4
FOURTH FLOOR ATRIUM - LIGHTING
1/8" = 1'-0"



1
E1.4
FOURTH FLOOR IL UNITS - LIGHTING
1/8" = 1'-0"

KEY PLAN

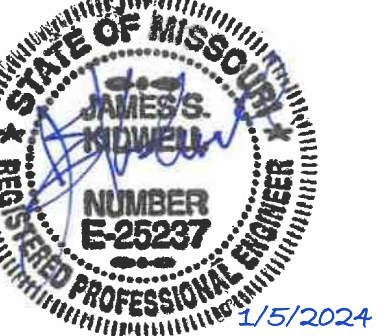


GENERAL NOTES

- SHADED LUMINAIRE OR (E) TAG INDICATES LUMINAIRE EQUIPPED WITH EMERGENCY BATTERY BACKUP OR CONNECTED TO EMERGENCY BRANCH CIRCUIT.
- COMMON AREAS, CORRIDOR SPACES SHALL BE CONTROLLED VIA LIGHTING CONTROL PANEL.
- ALL EXIT SIGNS SHALL BE TWO (2) CIRCUIT TYPE ION. CONNECT EXIT SIGNS TO EMERGENCY CIRCUIT INDICATED AS WELL AS TO LOCAL "NORMAL" BRANCH CIRCUIT. "NORMAL" CIRCUIT CONNECTED TO EMERGENCY EXIT SIGNS SHALL BE UNSWITCHED. CONNECT EXIT SIGNS AHEAD OF LIGHT SWITCH AND EXTEND ADDITIONAL "NOT" CONDUCTOR TO KEEP DEVICES UNSWITCHED.
- COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATIONS OF UNDERCABINET LIGHTING. PROVIDE FIXTURES WITH LOCAL WALL SWITCH.
- COORDINATE LUMINAIRE PLACEMENT WITH ARCHITECTURAL PLANS AND OTHER TRADES.
- COORDINATE LUMINAIRE TYPE AND ACCESSORIES FOR INSTALLATION IN CEILING TYPES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS.
- LUMINAIRES SHALL BE CONTROLLED BY SWITCHES SHOWN IN EACH SPACE AND CONNECTED TO LIGHTING PANELS WITH THE REQUIRED QUANTITY OF WIRES FOR PROPER OPERATION.
- LUMINAIRES INDICATED WITH MULTILEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
- CONNECT EXIT LIGHTS, EMERGENCY BATTERIES, AND NIGHT LIGHTS TO UNSWITCHED LEG OF CIRCUIT. THE UNSWITCHED LEG SHALL BYPASS ANY LIGHTING CONTROL DEVICES INCLUDING RELAYS, SWITCHES, OCCUPANCY SENSORS, OR DIMMABLE CONTROL DEVICES.
- TEST SWITCHES FOR EMERGENCY BATTERIES SHALL BE INTEGRAL TO LUMINAIRE. COORDINATE WITH SUPPLIER AS FACTORY INSTALLED BATTERIES MAY BE NECESSARY TO MEET THIS REQUIREMENT.
- LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
- INSTALL SWITCHES AND OTHER CONTROL DEVICES WITHIN 12" OF LATCH SIDE OF DOOR, SLED LIGHT OR DOOR SWING IN OPEN POSITION. DO NOT INSTALL DEVICES BEHIND DOOR SWING. COORDINATE WITH ACTUAL DOOR ASSEMBLY PRIOR TO INSTALLATION.
- LOCATE OCCUPANCY SENSORS FOR MAXIMUM COVERAGE AND TO LIMIT FALSE TRIPPING. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR ALLOWABLE PROXIMITY TO MECHANICAL DIFFUSERS.
- INSTALL POWER PACKS OR OTHER CONTROL RELAYS ABOVE ACCESSIBLE CEILING. LABEL DEVICE AND AREA IT CONTROLS.
- LOCATE PHOTOCELLS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR OPTIMAL RESPONSE TO NATURAL LIGHT IN SPACE AND TO MINIMIZE FALSE READINGS.
- ADJUST SENSITIVITY COVERAGE AREA AND TIME DELAY FOR LIGHTING CONTROL DEVICES DURING CONSTRUCTION. PROVIDE FOLLOW UP VISIT THREE WEEKS AFTER OWNER HAS OCCUPIED SPACE TO MAKE ADDITIONAL ADJUSTMENTS TO ACCOUNT FOR FURNITURE LAYOUTS AND USER INPUT.
- COORDINATE WITH MECHANICAL CONTRACTOR FOR INTEGRATION OF OCCUPANCY SENSORS WITH MECHANICAL SYSTEM CONTROLS. PROVIDE ADDITIONAL RELAYS AS REQUIRED.
- NECESSARY LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED TO INSERT LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING.

PLAN NOTES

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

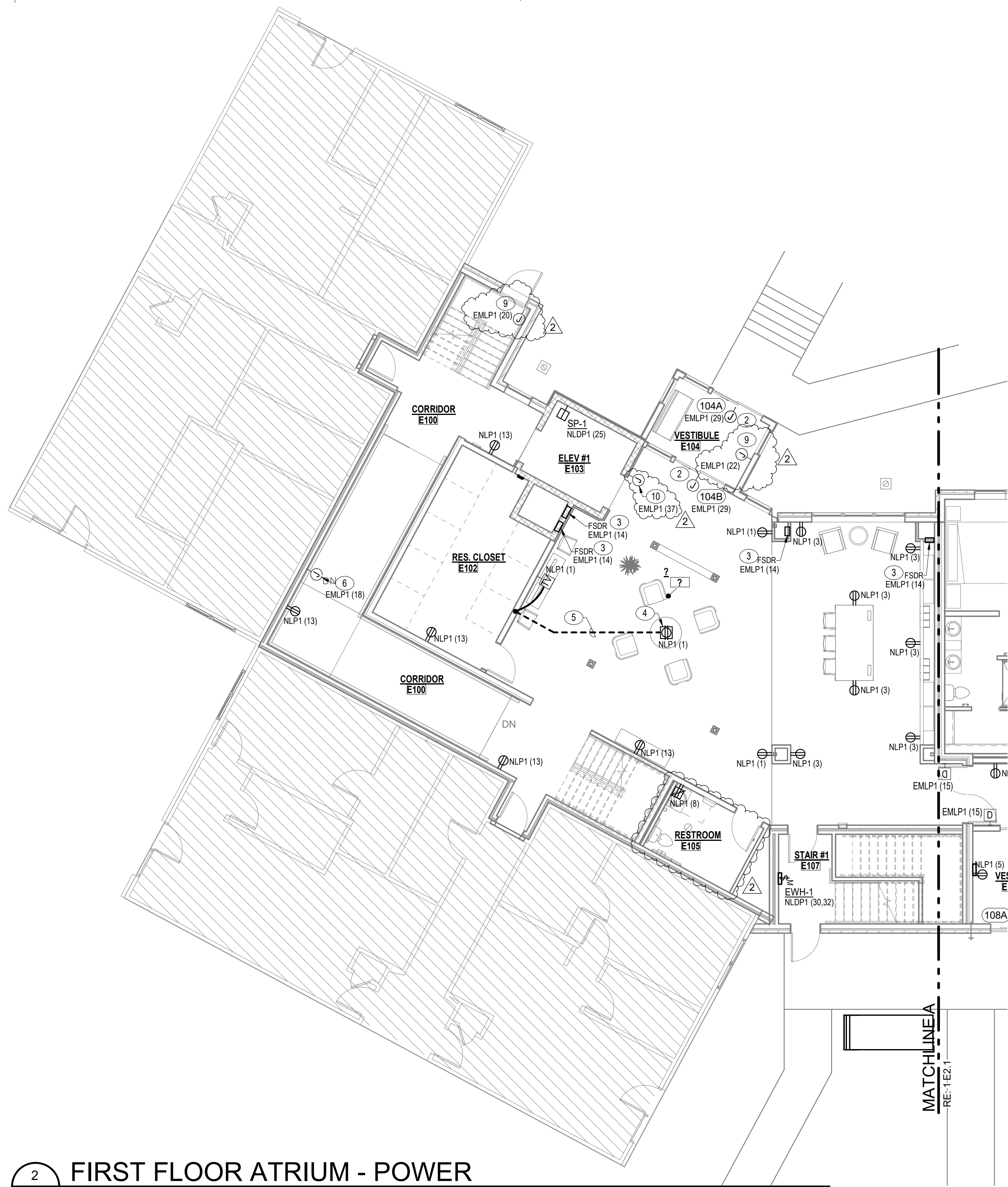
SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfc.com

DESIGNER : DAS	DRAWN : MAW, DKW
ARCHITECT : DAS	CHECKED : MAW
ENGINEER : MAW	APPROVED : JSK
NO. 2	REVISION DESCRIPTION DATE
Rev 1 - Permit Comments	02/15/24

DRAWING TITLE

FOURTH FLOOR PLAN -
LIGHTING

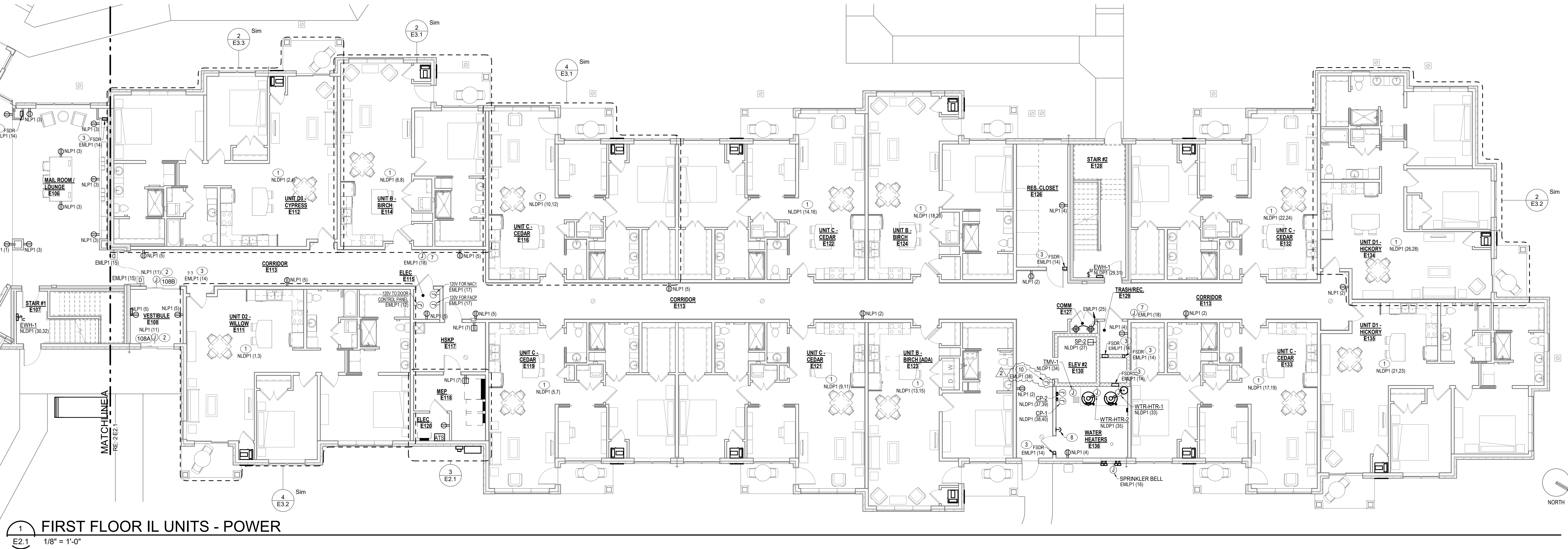
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	E1.4



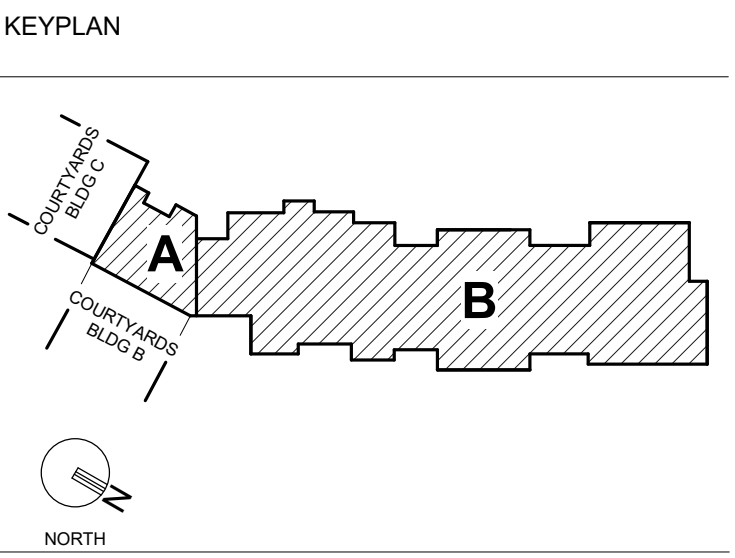
ENLARGED PLAN - MEP RM.
#E118 & ELEC. RM. E120

3
E2.1 1/4" = 1'-0"

2
E2.1 1/8" = 1'-0"



1
E2.1 1/8" = 1'-0"



- GENERAL NOTES
- BRANCH CIRCUIT WIRING SERVING ALL POWER RECEPTACLES LOCATED INSIDE PATIENT TREATMENT AREAS AND RESIDENT ROOMS SHALL BE INSTALLED TO MEET REDUNDANT GROUND REQUIREMENTS AS STATED IN NEC 411.3. HOSPITAL GRADE TYPE HOT AC CABLES MAY BE USED. RECEPTACLES SHALL BE HOSPITAL GRADE TYPE.
 - REFER TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE FOR ADDITIONAL EQUIPMENT CONNECTION INFORMATION.
 - DOORS INDICATED WITH A DOOR TAG ARE CONTROLLED DOORS. REFER TO DOOR HARDWARE SPECIFICATIONS FOR ELECTRICAL CONNECTION REQUIREMENTS. ROUGH-INS AND ADDITIONAL INFORMATION COORDINATE WITH DOOR HARDWARE SUPPLIERS AND ACCESS CONTROL VENDOR.
 - ELECTRICALLY/ELECTROMAGNETICALLY HELD OPEN DOORS SHALL BE INTERFACED WITH FIRE ALARM SYSTEM FOR RELEASE UPON FIRE ALARM SIGNAL. ELECTRICALLY LOCKED DOORS SHALL FAIL "SAFE" IN EVENT OF POWER OUTAGE.
 - REFERENCE FIRE ALARM DRAWINGS FOR ADDITIONAL DEVICES REQUIRING POWER CONNECTIONS AS WELL AS AN INTERFACE WITH FIRE ALARM SYSTEM. REFER TO MECHANICAL DRAWINGS FOR QUANTITY AND LOCATION OF SMOKE DAMPERS, SMOKE-FIRE DAMPERS AND DUCT SMOKE DETECTORS. PROVIDE 120VAC CONNECTION TO SMOKE DAMPERS, FIRE SMOKE DAMPERS AND PROVIDE WITH SMOKE DETECTOR. SEE PANEL SCHEDULES AND MECHANICAL EQUIPMENT SCHEDULES FOR RELATED INFORMATION.

- PLAN NOTES
- INDICATES PANEL/CIRCUIT FROM WHICH APARTMENT LOADCENTER IS SERVED. REFER TO ENLARGED UNIT PLANS FOR LOADCENTER LOCATION WITHIN UNITS.
 - 120VAC CONNECTION TO AUTOMATIC DOOR OPERATOR. PROVIDE POWER CONNECTION TO DOOR MOTOR AND PROVIDE CONTROL WIRING TO PUSHPLATE LOCATIONS.
 - LOCATION OF FIRE SMOKE DAMPER WITH 120VAC CONNECTION AND DUCT SMOKE DETECTOR. COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATION OF FIRE SMOKE DAMPERS. REFER TO DETAILS ON DRAWING E0222 FOR ADDITIONAL INFORMATION.
 - FLOOR BOX HUBBELL 6261 CAST IRON OR EQUAL WITH 6230 FLANGE AND 6284 COVER WITH FLIP RECEPTACLE COVERS.
 - 3/4" CONDUIT INSTALLED BELOW SLAB. ROUTE UP IN WALL 1/2" INTO ACCESSIBLE CEILING BRANCH CIRCUIT INDICATED.
 - PROVIDE JUNCTION BOX AT 6-0 FOR 120V DIRECT CONNECTION FOR EMERGENCY CALL SARA SYSTEM REPEATER. VERIFY LOCATION WITH SARA SYSTEM CONTRACTOR. CONNECT TO 120V EMERGENCY CIRCUIT.
 - PROVIDE 120V DIRECT CONNECTION ABOVE ACCESSIBLE CEILING FOR EMERGENCY CALL SARA SYSTEM REPEATER. VERIFY LOCATION WITH SARA SYSTEM CONTRACTOR. CONNECT TO 120V EMERGENCY CIRCUIT.
 - EMERGENCY STOP BUTTON FOR WTR-HTR-1 & WTR-HTR-2. INTERFACE WITH WATER HEATERS CONTROLS TO SHUT DOWN BOTH WATER HEATERS WHEN OPERATED.
 - 120V FOR SMOKE EVACUATION CONTROL PANEL.
 - 120V CONNECTION TO ELEVATOR SMOKE CURTAIN REWIND MOTOR. PROVIDE ALARM CIRCUIT FROM N.O. AUXILIARY CONTACT OF SMOKE DETECTOR FOR CONNECTION TO AND ACTIVATION BY FIRE ALARM SYSTEM.



PROJECT TITLE

John Knox Village
COURTYARDS - BUILDING E

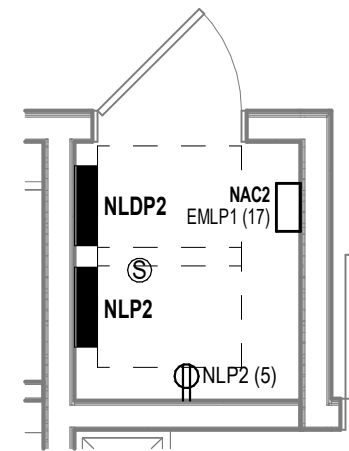
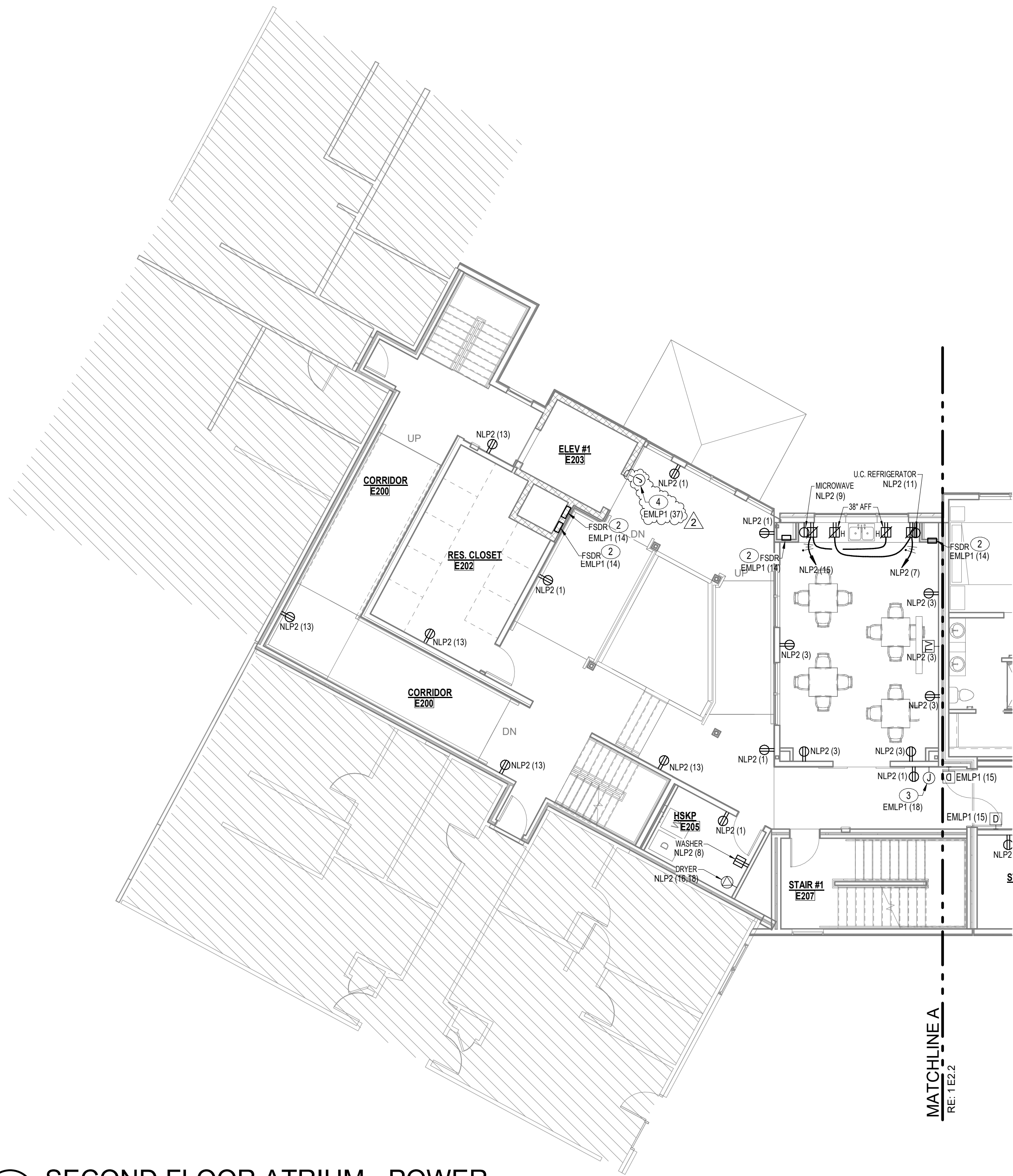
SFCs Architecture
Engineering
Planning
Interiors
SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfc.com

DESIGNER : DAS	DRAWN : MAW, DKW
ARCHITECT : DAS	CHECKED : MAW
ENGINEER : MAW	APPROVED : JSK
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE
FIRST FLOOR PLAN -
POWER

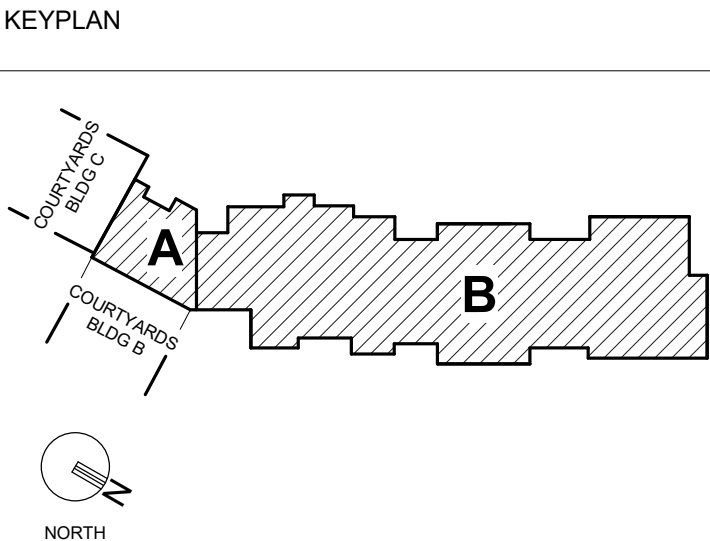
DATE: January 5, 2024
DRAWING
COMM. NO. 23104.00

E2.1



ENLARGED PLAN -
ELEC. RM. #E215

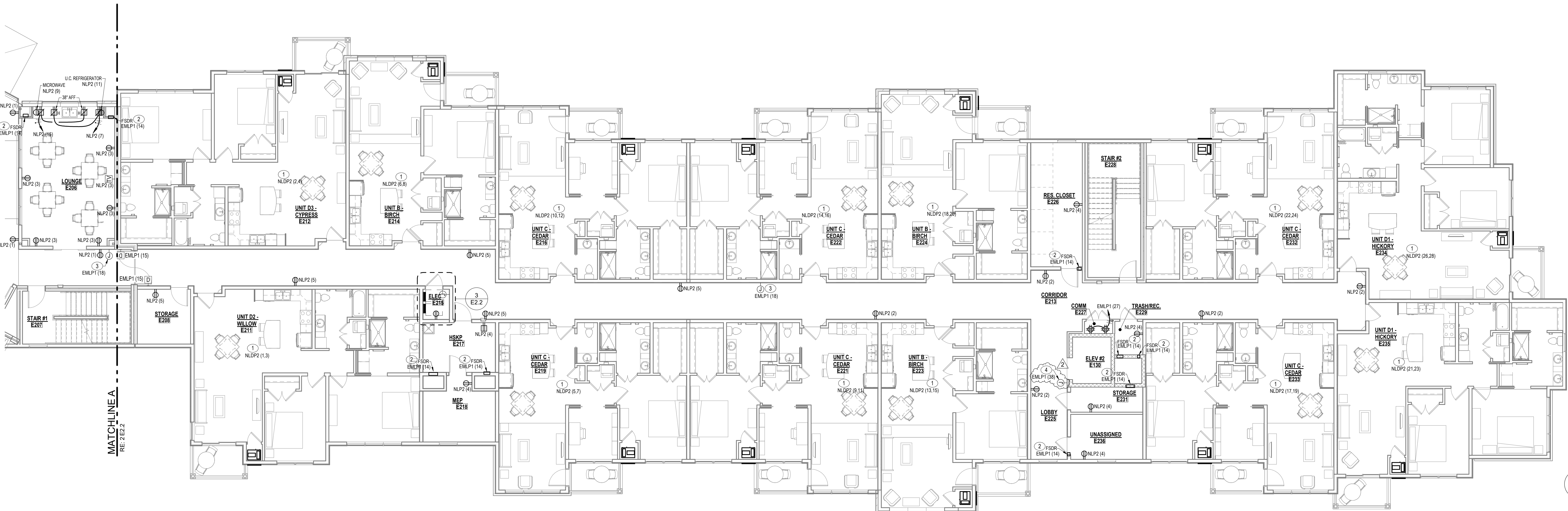
3
E2.2 1/4" = 1'-0"



- GENERAL NOTES
- BRANCH CIRCUIT WIRING SERVING ALL POWER RECEPTACLES LOCATED INSIDE PATIENT TREATMENT AREAS AND RESIDENT ROOMS SHALL BE INSTALLED TO MEET REDUNDANT GROUND REQUIREMENTS AS STATED IN NEC 817.13. HOSPITAL GRADE TYPE HOT-ROD CABLE MAY BE USED. RECEPTACLES SHALL BE HOSPITAL GRADE TYPE.
 - REFER TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE FOR ADDITIONAL EQUIPMENT CONNECTION INFORMATION.
 - DOORS INDICATED WITH A DOOR TAG ARE CONTROLLED DOORS. REFER TO DOOR HARDWARE SPECIFICATIONS FOR ELECTRICAL CONNECTION REQUIREMENTS. ROUGH-INS AND ADDITIONAL INFORMATION COORDINATE WITH DOOR HARDWARE SUPPLIERS AND ACCESS CONTROL VENDOR.
 - ELECTRICALLY/ELECTROMAGNETICALLY HELD OPEN DOORS SHALL BE INTERFACED WITH FIRE ALARM SYSTEM FOR RELEASE UPON FIRE ALARM SIGNAL. ELECTRICALLY LOCKED DOORS SHALL FAIL "SAFE" IN EVENT OF POWER OUTAGE.
 - REFERENCE FIRE ALARM DRAWINGS FOR ADDITIONAL DEVICES REQUIRING POWER CONNECTIONS AS WELL AS AN INTERFACE WITH FIRE ALARM SYSTEM. REFER TO MECHANICAL DRAWINGS FOR QUANTITY AND LOCATION OF SMOKE DAMPERS. SMOKE-FIRE DAMPERS AND DUCT SMOKE DETECTORS PROVIDE 120VAC CONNECTION TO SMOKE DAMPERS, FIRE SMOKE DAMPERS AND PROVIDE WITH SMOKE DETECTOR.
 - SEE PANEL SCHEDULES AND MECHANICAL EQUIPMENT SCHEDULES FOR RELATED INFORMATION.

- PLAN NOTES
- INDICATES PANEL/CIRCUIT FROM WHICH APARTMENT LOADCENTER IS SERVED. REFER TO ENLARGED UNIT PLANS FOR LOADCENTER LOCATION WITHIN UNITS.
 - LOCATION OF FIRE SMOKE DAMPER WITH 120VAC CONNECTION AND DUCT SMOKE DETECTOR. COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATION OF FIRE SMOKE DAMPERS. REFER TO DETAILS ON DRAWING E022 FOR ADDITIONAL INFORMATION.
 - PROVIDE 120V DIRECT CONNECTION ABOVE ACCESSIBLE CEILING FOR EMERGENCY CALL SARA SYSTEM REPEATER. VERIFY LOCATION WITH SARA SYSTEM CONTRACTOR. CONNECT TO 120V EMERGENCY CIRCUIT.
- 120V CONNECTION TO ELEVATOR SMOKE CURTAIN REWIND MOTOR. PROVIDE ALARM CIRCUIT FROM M.G. AUXILIARY CONTACT OF SMOKE DETECTOR FOR CONNECTION TO AND ACTIVATION BY FIRE ALARM SYSTEM.

2
E2.2 1/8" = 1'-0"



1
E2.2 1/8" = 1'-0"



PROJECT TITLE

John Knox Village
COURTYARDS - BUILDING E

SFCS Architecture
Engineering
Planning
Interiors

SFCS Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfcs.com

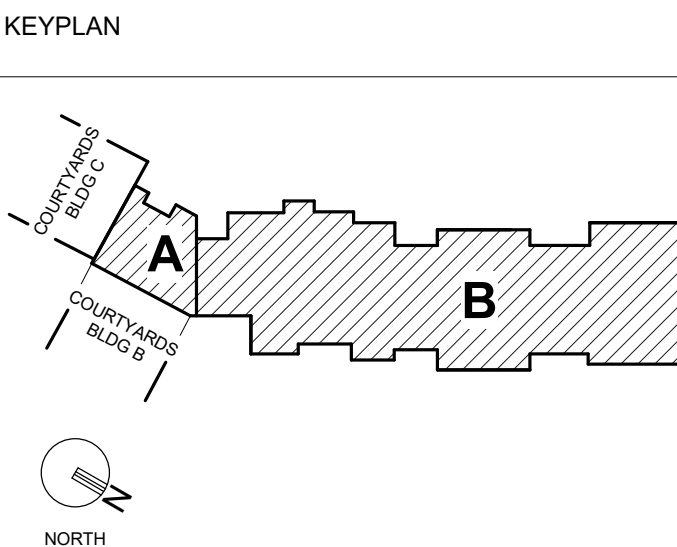
DESIGNER : DAS	DRAWN : MAW, DKW
ARCHITECT : DAS	CHECKED : MAW
ENGINEER : MAW	APPROVED : JSK
NO. 2	REVISION DESCRIPTION DATE
Rev 1 - Permit Comments	02/15/24

DRAWING TITLE

SECOND FLOOR PLAN -
POWER

DATE: January 5, 2024
DRAWING
COMM. NO. 23104.00

E2.2



GENERAL NOTES

- [illegible]

PLAN NOTES

- 1 INDICATES PANEL/CIRCUIT FROM WHICH APARTMENT
LOADCENTER IS SERVED. REFER TO ENLARGED UNIT PLANS
FOR LOADCENTER LOCATION WITHIN UNIT.
- 2 LOCATION OF FIRE SMOKE DAMPER WITH 120VAC CONNECT
ABOVE DAMPER. COORDINATE WITH MECHANICAL
DRAWINGS FOR EXACT LOCATION OF FIRE SMOKE DAMPERS.
REFER TO DETAILS ON DRAWING E0.022 FOR ADDITIONAL
INFORMATION.
- 3 PROVIDE 120V DIRECT CONNECTION ABOVE ACCESSIBLE
CEILING FOR EMERGENCY CALL SARA SYSTEM REPEATER.
VERIFY LOCATION WITH SARA SYSTEM CONTRACTOR.
CONNECT TO 120V EMERGENCY CIRCUIT.
- 4 120V CONNECTION TO ELEVATOR SMOKE CURTAIN REWIND
MOTOR. PROVIDE ALARM CIRCUIT FROM N.O. AUXILIARY
CONTACT OF SMOKE DETECTOR FOR CONNECTION TO AND
ACTIVATION BY FIRE ALARM SYSTEM.



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

S F C S

Architecture
Engineering
Planning
Interiors

SFCS Inc. ■ 305 South Jefferson Street

Roanoke, Virginia 24011.2003
540.344.6664 ▪ Fax 540.343.6925
www.sfcs.com

DESIGNER : DAS	DRAWN : MAW, DKW
CHECKED : DAS	DATE : 11/11/2011

ARCHITECT : DAS	CHECKED : MAW
ENGINEER : MAW	APPROVED : JSK

NO.	REVISION DESCRIPTION
-----	----------------------

2 Rev 1 - Permit Comments 02/15

DRAWING TITLE

THIRD FLOOR PLAN -

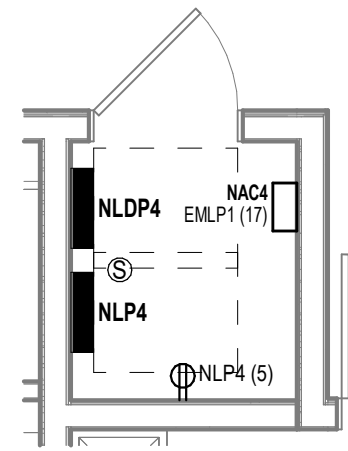
THIRD-EIGHTY-EIGHT POWER

POWER

DATE: January 5, 2024	DRAWING
-----------------------	---------

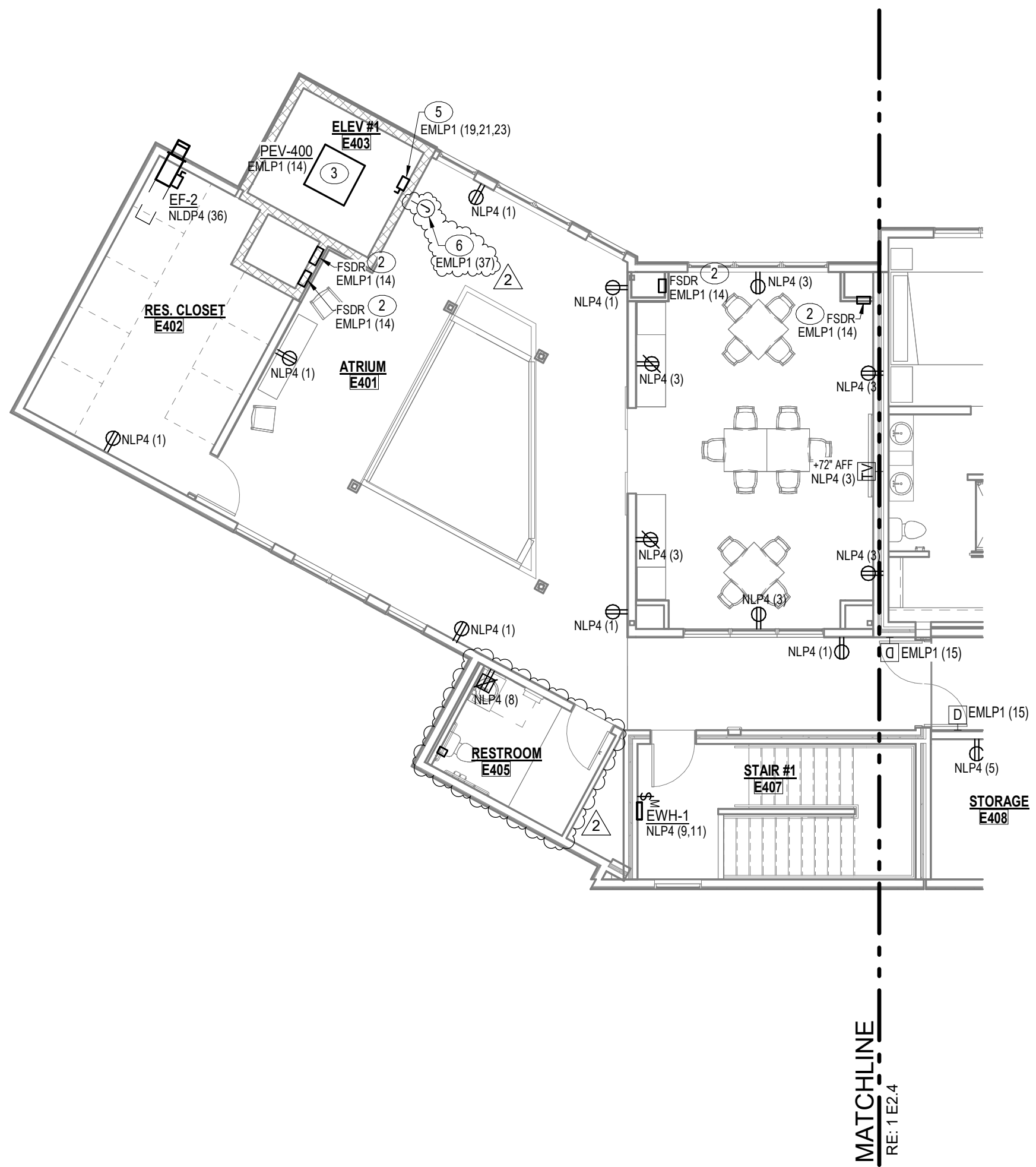
January 5, 2024

COMM. NO. 23104.00

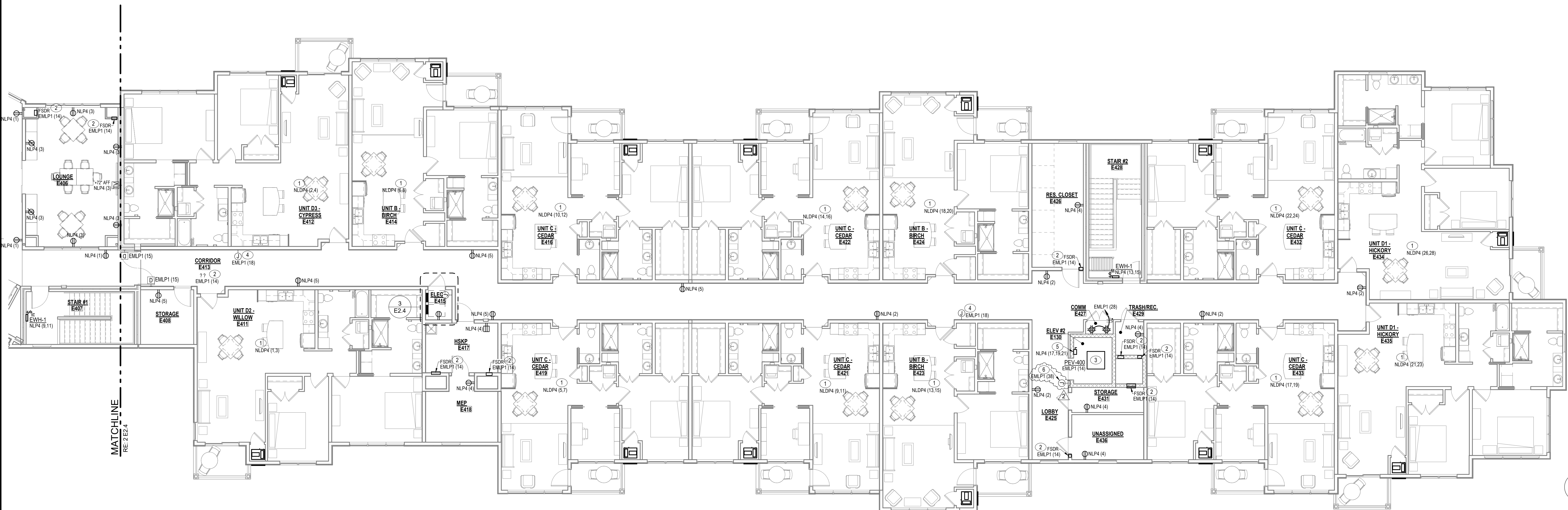


ENLARGED PLAN -
ELEC. RM. #E415

3
E2.4 1/4" = 1'-0"

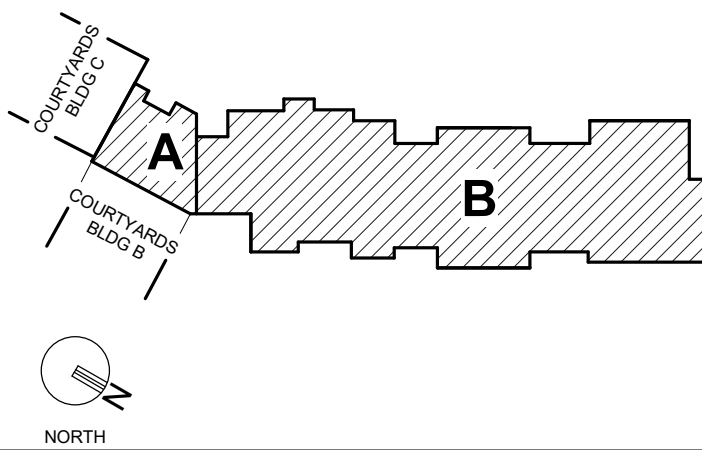


2
E2.4 FOURTH FLOOR ATRIUM - POWER
1/8" = 1'-0"



1
E2.4 FOURTH FLOOR IL UNITS- POWER
1/8" = 1'-0"

KEY PLAN



GENERAL NOTES

- BRANCH CIRCUIT WIRING SERVING ALL POWER RECEPTACLES LOCATED INSIDE PATIENT TREATMENT AREAS AND RESIDENT ROOMS SHALL BE INSTALLED TO MEET REDUNDANT GROUND REQUIREMENTS AS STATED IN NEC 911.13. HOSPITAL GRADE TYPE HOT AND CABLES MAY BE USED. RECEPTACLES SHALL BE HOSPITAL GRADE TYPE.
- REFER TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE FOR ADDITIONAL EQUIPMENT CONNECTION INFORMATION.
- DOORS INDICATED WITH A DOOR TAG ARE CONTROLLED DOORS. REFER TO DOOR HARDWARE SPECIFICATIONS FOR ELECTRICAL CONNECTION REQUIREMENTS. ROUGH-INS AND ADDITIONAL INFORMATION, COORDINATE WITH DOOR HARDWARE SUPPLIERS AND ACCESS CONTROL VENDOR.
- ELECTRICALLY ELECTROMAGNETICALLY HELD OPEN DOORS SHALL BE INTERFACED WITH FIRE ALARM SYSTEM FOR RELEASE UPON FIRE ALARM SIGNAL. ELECTRICALLY LOCKED DOORS SHALL FAIL "SAFE" IN EVENT OF POWER OUTAGE.
- REFERENCE FIRE ALARM DRAWINGS FOR ADDITIONAL DEVICES. REQUIRE POWER CONNECTIONS AS WELL AS AN INTERFACE WITH FIRE ALARM SYSTEM. REFER TO MECHANICAL DRAWINGS FOR QUANTITY AND LOCATION OF SMOKE DAMPERS. SMOKE-FIRE DAMPERS AND DUCT SMOKE DETECTORS PROVIDE 120VAC CONNECTION TO SMOKE DAMPERS, FIRE SMOKE DAMPERS AND PROVIDE WITH SMOKE DETECTOR.
- SEE PANEL SCHEDULES AND MECHANICAL EQUIPMENT SCHEDULES FOR RELATED INFORMATION.

PLAN NOTES

- INDICATES PANEL/CIRCUIT FROM WHICH APARTMENT LOADCENTER IS SERVED. REFER TO ENLARGED UNIT PLANS FOR LOADCENTER LOCATION WITHIN UNITS.
- LOCATION OF FIRE SMOKE DAMPER WITH 120VAC CONNECTION AND DUCT SMOKE DETECTOR. COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATION OF FIRE SMOKE DAMPERS. REFER TO DETAILS ON DRAWING E0102 FOR ADDITIONAL INFORMATION.
- LOCATION OF GREENHECK PEV-400 PENTHOUSE ELEVATOR VENT REFER TO FOURTH FLOOR PLAN FIRE ALARM DRAWINGS.
- PROVIDE 120V DIRECT CONNECTION ABOVE ACCESSIBLE CEILING FOR EMERGENCY CALL SARA SYSTEM REPEATER. VERIFY LOCATION WITH SARA SYSTEM CONTRACTOR. CONNECT TO 120V EMERGENCY CIRCUIT.
- 3P, 60 AMP, 208V ENCLOSED MOLDED CASE CIRCUIT BREAKER WITH LOCK-OUT DEVICE FOR ELEVATOR CONTROLLER. DISCONNECT. EXTEND FEEDER FROM LOAD SIDE OF CIRCUIT BREAKER AND TERMINATE ON ELEVATOR CONTROLLER. VERIFY EXACT OVERCURRENT PROTECTIVE DEVICE REQUIRED WITH ELEVATOR MANUFACTURER PRIOR TO ORDERING.
- 120V CONNECTION TO ELEVATOR SMOKE CURTAIN REWIND MOTOR. PROVIDE ALARM CIRCUIT FROM N.O. AUXILIARY CONTACT OF SMOKE DETECTOR FOR CONNECTION TO AND ACTIVATION BY FIRE ALARM SYSTEM.



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

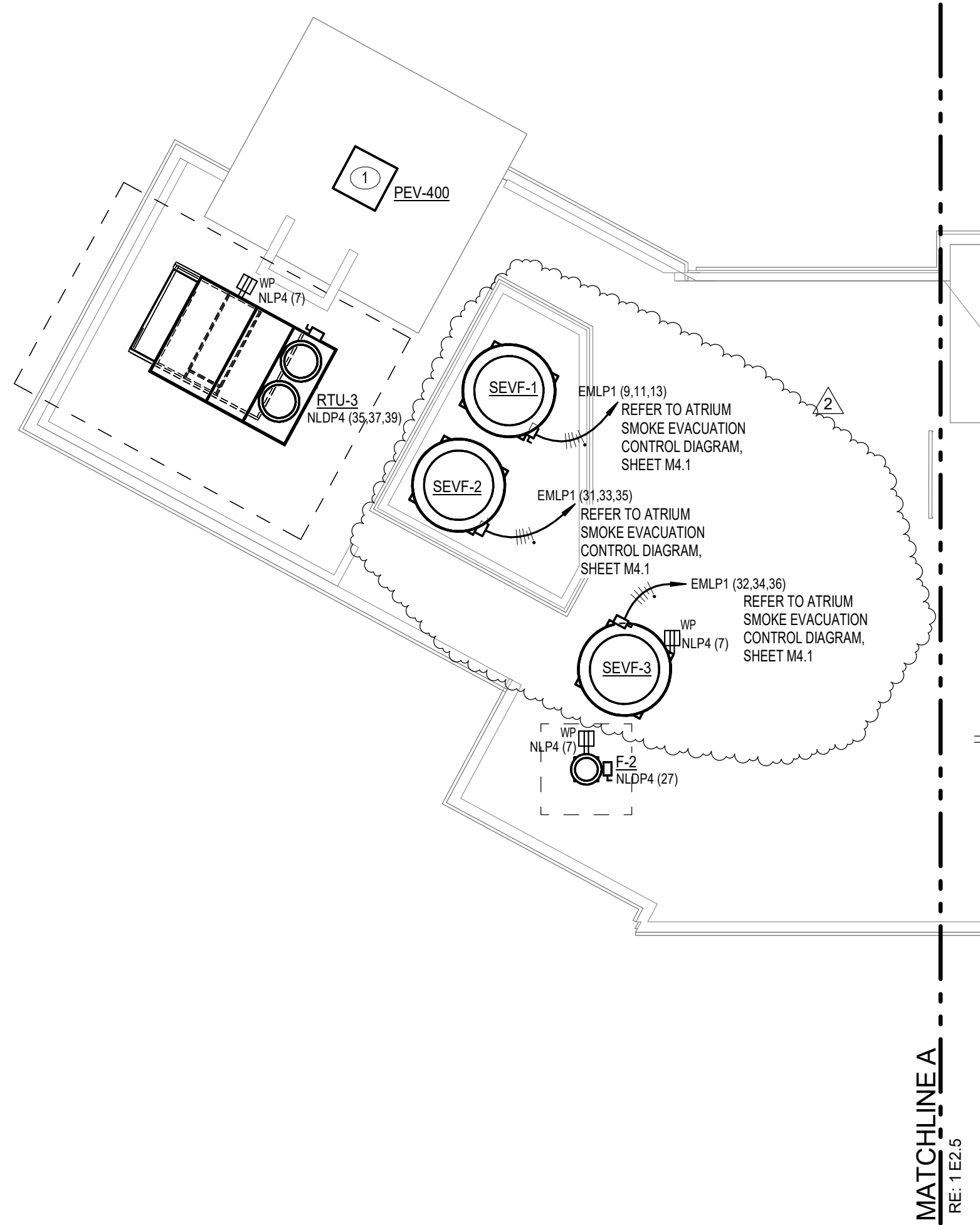
SFCs Architecture
Engineering
Planning
Interiors

SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfcscorp.com

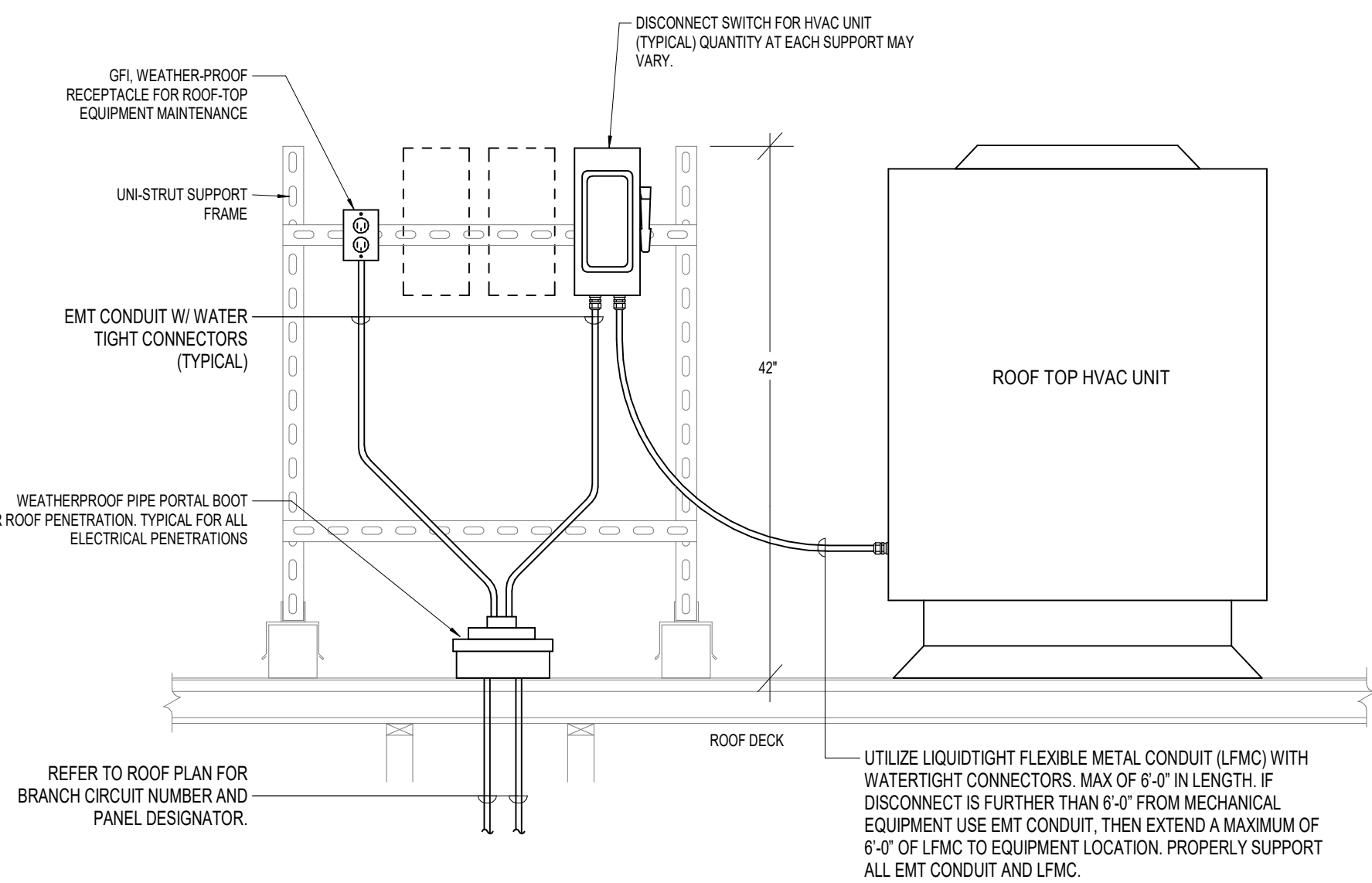
DESIGNER : DAS	DRAWN : MAW, DKW
ARCHITECT : DAS	CHECKED : MAW
ENGINEER : MAW	APPROVED : JSK
NO. 2	REVISION DESCRIPTION DATE
Rev 1 - Permit Comments	02/15/24

DRAWING TITLE
FOURTH FLOOR PLAN -
POWER

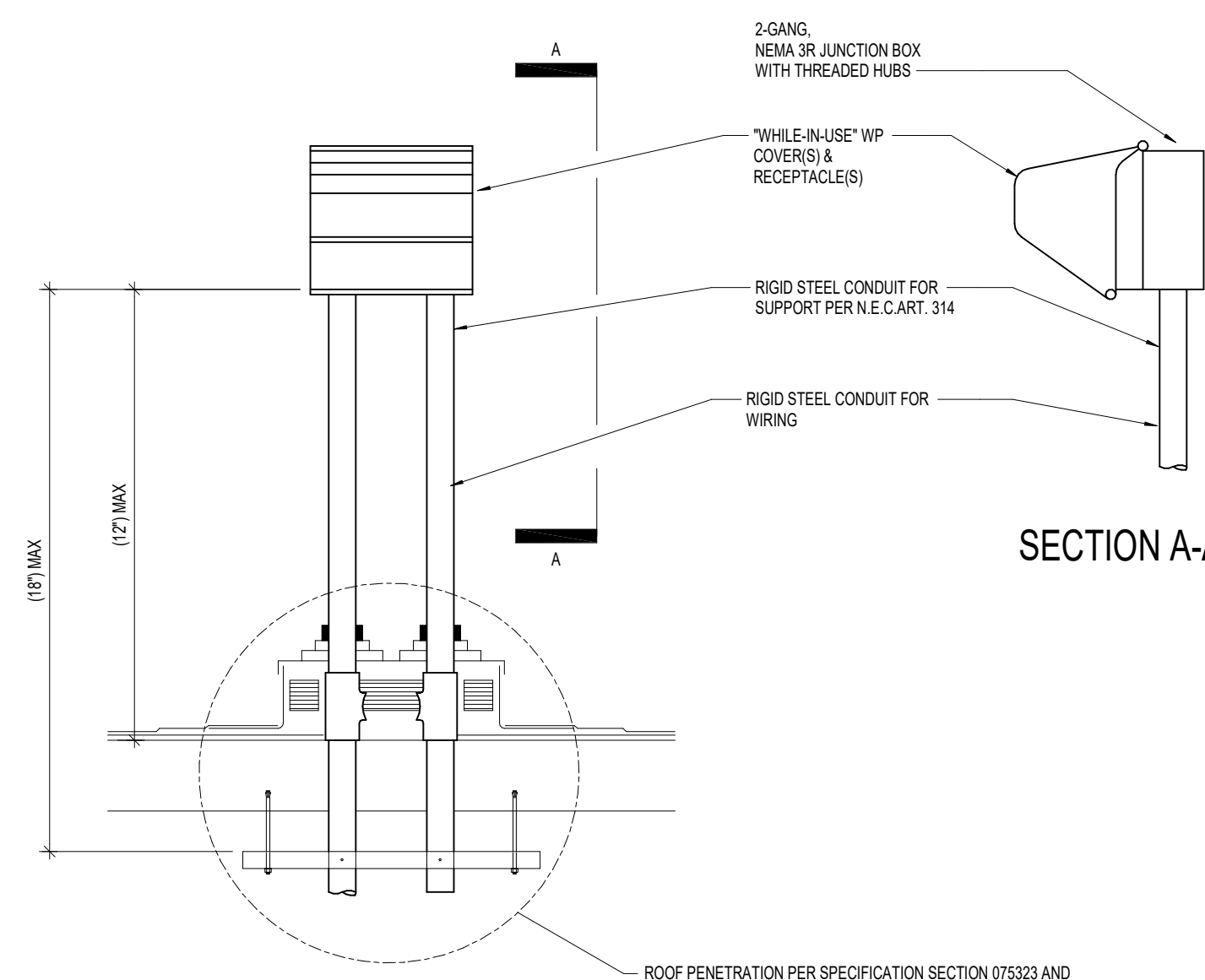
DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	E2.4



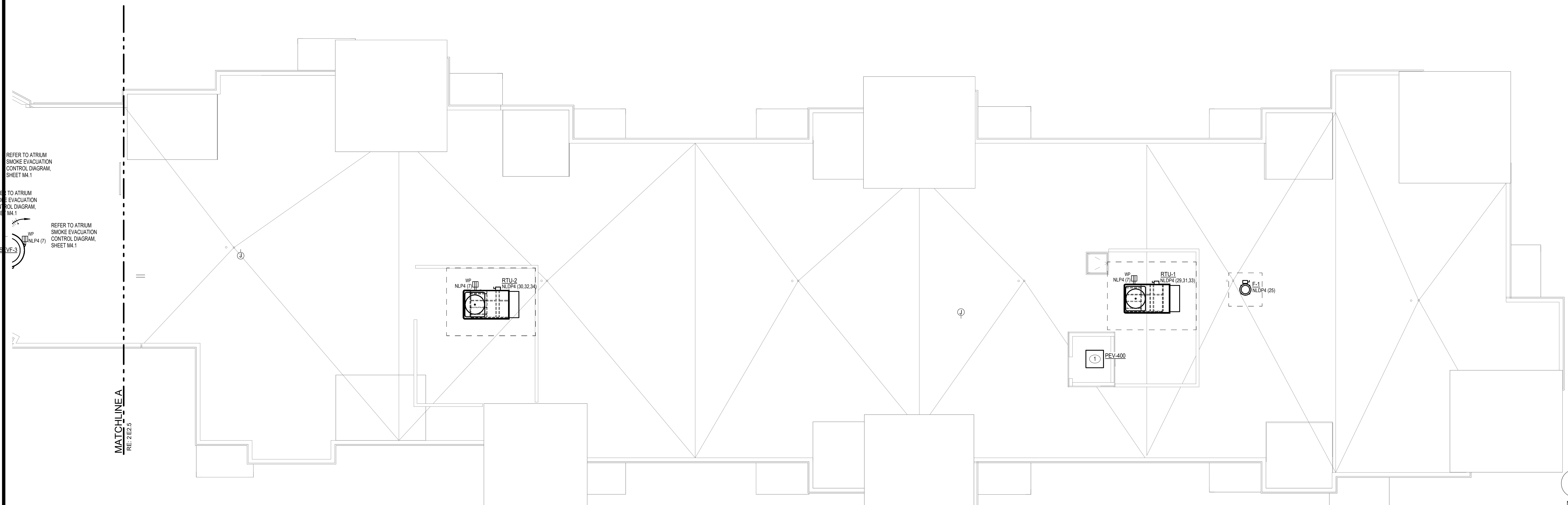
4 ROOF HVAC EQUIP. DISCONNECT MOUNTING DETAIL
E2.5 1/4" = 1'-0"



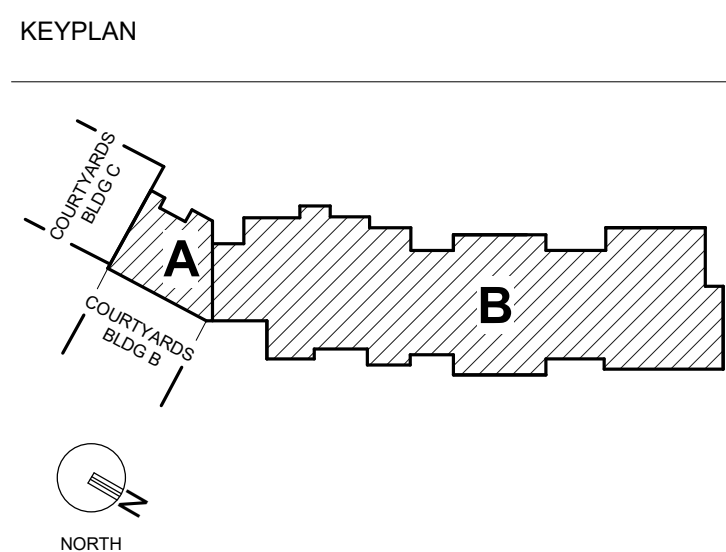
3 ROOF MOUNTED RECEPTACLE DETAIL
E2.5 1/4" = 1'-0"



2 5 - ROOF PLAN ATRIUM - POWER
E2.5 1/8" = 1'-0"



1 5- ROOF PLAN IL UNITS - POWER
E2.5 1/8" = 1'-0"

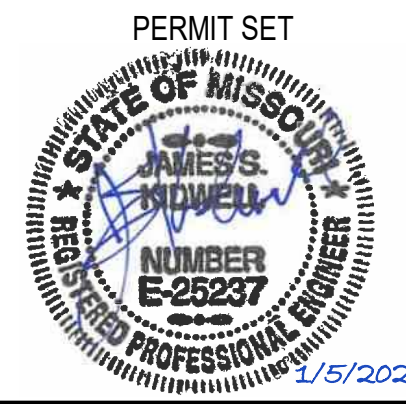


GENERAL NOTES

- BRANCH CIRCUIT WIRING SERVING ALL POWER RECEPTACLES LOCATED INSIDE PATIENT TREATMENT AREAS AND RESIDENT ROOMS SHALL BE INSTALLED TO MEET REDUNDANT GROUND REQUIREMENTS AS STATED IN NEC 917.13. HOSPITAL GRADE TYPE HOT AC CABLE MAY BE USED. RECEPTACLES SHALL BE HOSPITAL GRADE TYPE.
- REFER TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE FOR ADDITIONAL EQUIPMENT CONNECTION INFORMATION.
- DOORS INDICATED WITH A DOOR TAG ARE CONTROLLED DOORS. REFER TO DOOR HARDWARE SPECIFICATIONS FOR ELECTRICAL CONNECTION REQUIREMENTS, ROUGH-INS AND ADDITIONAL INFORMATION. COORDINATE WITH DOOR HARDWARE SUPPLIERS AND ACCESS CONTROL VENDOR.
- ELECTRICALLY ELECTROMAGNETICALLY HELD OPEN DOORS SHALL BE INTERFACED WITH FIRE ALARM SYSTEM FOR RELEASE UPON FIRE ALARM SIGNAL. ELECTRICALLY LOCKED DOORS SHALL FAIL "SAFE" IN EVENT OF POWER OUTAGE.
- REFERENCE FIRE ALARM DRAWINGS FOR ADDITIONAL DEVICES REQUIRING POWER CONNECTIONS AS WELL AS AN INTERFACE WITH FIRE ALARM SYSTEM. REFER TO MECHANICAL DRAWINGS FOR QUANTITY AND LOCATION OF SMOKE DAMPERS, SMOKE-FIRE DAMPERS AND DUCT SMOKE DETECTORS. PROVIDE 120VAC CONNECTION TO SMOKE DAMPERS, FIRE SMOKE DAMPERS AND PROVIDE WITH SMOKE DETECTOR.
- SEE PANEL SCHEDULES AND MECHANICAL EQUIPMENT SCHEDULES FOR RELATED INFORMATION.

PLAN NOTES

- LOCATION OF GREENHECK PEV-400 PENTHOUSE ELEVATOR VENT REFER TO FOURTH FLOOR PLAN FIRE ALARM DRAWINGS.



PROJECT TITLE

John Knox Village
COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfc.com

DESIGNER : DAS	DRAWN : MAW, DKW
ARCHITECT : DAS	CHECKED : MAW
ENGINEER : MAW	APPROVED : JSK
NO.	REVISION DESCRIPTION
2	Rev 1 - Permit Comments
	DATE
	02/15/24

DRAWING TITLE

ROOF PLAN - POWER

DATE: January 5, 2024
DRAWING: E2.5
COMM. NO.: 23104.00

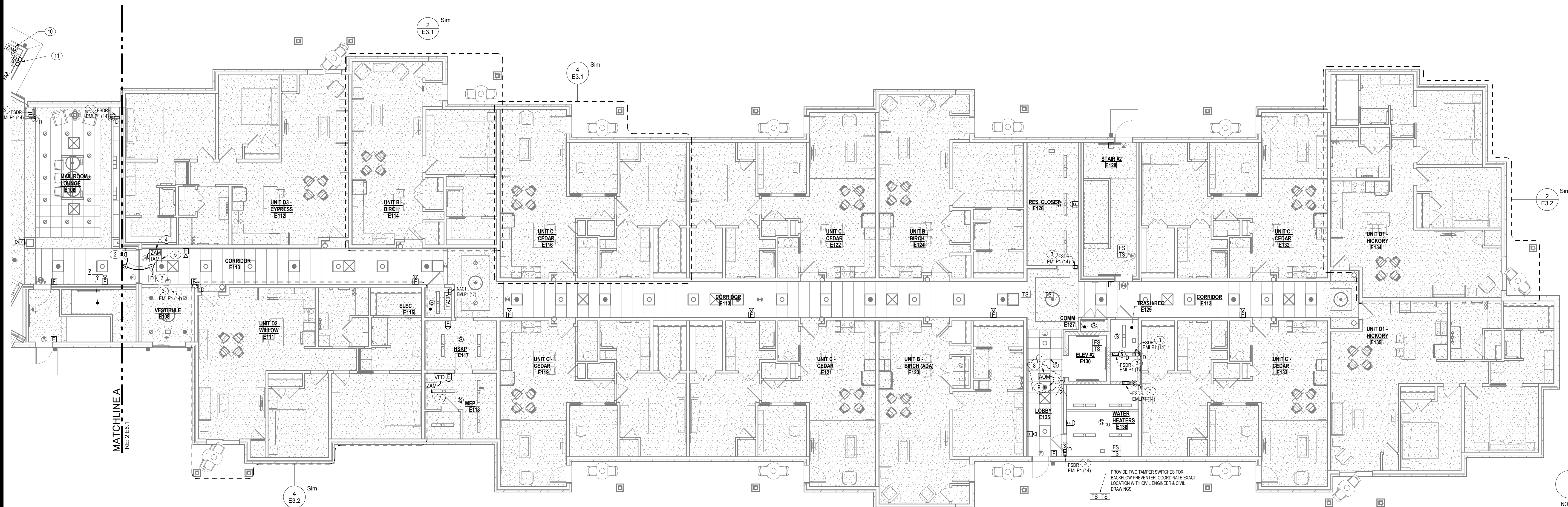
Branch Panel: NLDAP2																					
Location: ELEC E215						Volts: 120/208 Wye				A.I.C. Rating: 10,000 AIC											
Supply From: NLDPA						Phases: 3				Mains Type: MLO											
Mounting: SURFACE						Wires: 4				Mains Rating: 600 A											
Enclosure: NEMA 1										MCB Rating:											
Notes:																					
CKT	Circuit Description					Trip	Poles	A		B		C	Poles	Trip	Circuit Description					CKT	
1	LC-D2 - UNIT #E211					100 A	2	1104A.. 1104A..					2	100 A	LC-D2 - UNIT #E212					2	
3	--					--	--	1104A.. 1104A..					--	--	--					4	
5	LC-C - UNIT #E219					100 A	2					9930 VA 9857 VA	2	100 A	LC-B - UNIT #E214					6	
7	--					--	--	9930 VA 9857 VA					--	--	--					8	
9	LC-C - UNIT #E221					100 A	2					9930 VA 9930 VA	2	100 A	LC-C - UNIT #E216					10	
11	--					--	--					9930 VA 9930 VA	--	--	--					12	
13	LC-B - UNIT #E223					100 A	2	9857 VA 9930 VA					2	100 A	LC-C - UNIT #E222					14	
15	--					--	--					9857 VA 9930 VA	--	--	--					16	
17	LC-C - UNIT #E233					100 A	2					9930 VA 9857 VA	2	100 A	LC-B - UNIT #E224					18	
19	--					--	--	9930 VA 9857 VA					--	--	--					20	
21	LC-D1 - UNIT #E235					100 A	2					11080.. 9930 VA	2	100 A	LC-C - UNIT #E232					22	
23	--					--	--						11080.. 9930 VA	--	--	--					24
25								11080..					2	100 A	LC-D1 - UNIT #E234					26	
27												11080..	--	--	--					28	
29													--	--	--					30	
31																				32	
33																				34	
35																				36	
37																				38	
39																				40	
41																				42	
						Total Load:		92526 VA		93823 VA		80441 VA									
						Total Amps:		787 A		797 A		670 A									
Legend:																					
Load Classification						Connected Load				Demand Factor		Estimated Demand		Panel Totals							
Residential per NEC 220.84						266789 VA				41.00%		109383 VA									
														Total Conn. Load: 266789 VA							
														Total Est. Demand: 109383 VA							
														Total Conn.: 741 A							
														Total Est. Demand: 304 A							
Notes:																					

Branch Panel: NLDAP4														
Location: ELEC E415						Volts: 120/208 Wye				A.I.C. Rating: 10,000 AIC				
Supply From: NLDAP4						Phases: 3				Mains Type: MLO				
Mounting: SURFACE						Wires: 4				Mains Rating: 600 A				
Enclosure: NEMA 1										MCB Rating:				
Notes:														
CKT	Circuit Description					Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	LC-D2 - UNIT #E411					100 A	2	1104A.. 1104A..	1104A.. 1104A..		2	100 A	LC-D2 - UNIT #E412	2
3	--					--	--	--	--	--	--	--	--	4
5	LC-C - UNIT #E419					100 A	2	--	--	9930 VA 9857 VA	2	100 A	LC-B - UNIT #E414	6
7	--					--	--	9930 VA 9857 VA	--	--	--	--	--	8
9	LC-C - UNIT #E421					100 A	2	--	9930 VA 9930 VA	--	2	100 A	LC-C - UNIT #E416	10
11	--					--	--	--	--	9930 VA 9930 VA	--	--	--	12
13	LC-B - UNIT #E423					100 A	2	--	9857 VA 9930 VA	--	2	100 A	LC-C - UNIT #E422	14
15	--					--	--	--	9857 VA 9930 VA	--	--	--	--	16
17	LC-C - UNIT #E433					100 A	2	--	--	9930 VA 9857 VA	2	100 A	LC-B - UNIT #E424	18
19	--					--	--	9930 VA 9857 VA	--	--	--	--	--	20
21	LC-D1 - UNIT #E435					100 A	2	--	11080.. 9930 VA	--	2	100 A	LC-C - UNIT #E432	22
23	--					--	--	--	--	11080.. 9930 VA	--	--	--	24
25	F-1 (IL - ROOF)					20 A	1	700 VA 11080..	--	--	2	100 A	LC-D1 - UNIT #E434	26
27	F-2 (ATRIUM ROOF)					20 A	1	--	528 VA 11080..	--	--	--	--	28
29	RTU-1					90 A	3	--	--	8520 VA 8520 VA	3	90 A	RTU-2	30
31	--					--	--	8520 VA 8520 VA	--	--	--	--	--	32
33	--					--	--	--	8520 VA 8520 VA	--	--	--	--	34
35	RTU-3					110 A	3	--	--	9960 VA 528 VA	1	20 A	EF-2 (RES. CLOSET #E402)	36
37	--					--	--	9960 VA	--	--	--	--	--	38
39	--					--	--	--	9960 VA	--	--	--	--	40
41														42
Total Load:						120226 VA		121351 VA		107969 VA				
Legend:						Total Amps:		1018 A		1027 A		900 A		
Load Classification						Connected Load		Demand Factor		Estimated Demand		Panel Totals		
HVAC						82228 VA		100.00%		82228 VA		Total Conn. Load: 349545 VA		
Power						528 VA		100.00%		528 VA		Total Est. Demand: 192139 VA		
Residential per NEC 220.84						266789 VA		41.00%		109383 VA		Total Conn.: 970 A		
												Total Est. Demand: 533 A		
Notes:														

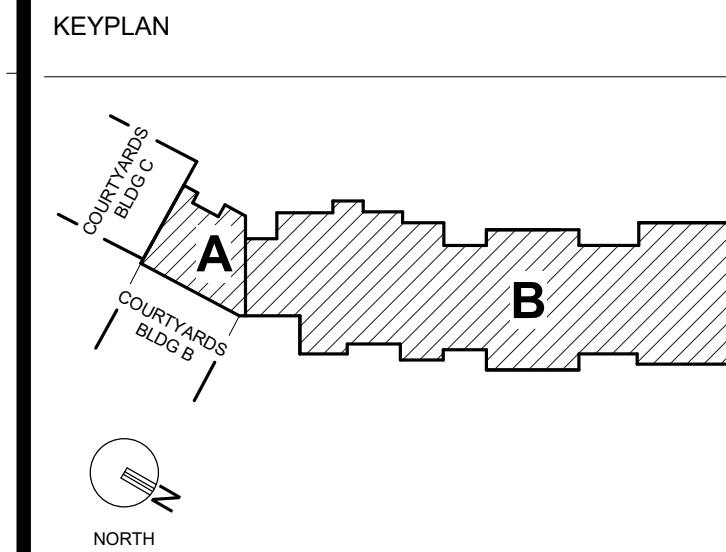
Branch Panel: NLDAP1																				
Location: MEP E118						Volts: 120/208 Wye				A.I.C. Rating: 10,000 AIC										
Supply From: NLDPA						Phases: 3				Mains Type: MLO										
Mounting: SURFACE						Wires: 4				Mains Rating: 600 A										
Enclosure: NEMA 1										MCB Rating:										
Notes:																				
CKT	Circuit Description					Trip	Poles	A	B		C	Poles	Trip	Circuit Description					CKT	
3	LC-D2 -UNIT #E111					100 A	2	1104A.. 1104A..	1104A..	1104A..		2	100 A	LC-D2 -UNIT #E112					2	
5	LC-C -UNIT #E119					100 A	2	--			9930 VA 9857 VA	2	100 A	LC-B -UNIT #E114					6	
7	LC-C -UNIT #E121					100 A	2	--			9930 VA 9930 VA	2	100 A	LC-C -UNIT #E116					8	
9	LC-B -UNIT #E123					100 A	2	9857 VA 9930 VA			9930 VA 9930 VA	2	100 A	LC-B -UNIT #E122					10	
11	LC-C -UNIT #E133					100 A	2	--			9857 VA 9930 VA	2	100 A	LC-B -UNIT #E124					12	
13	LC-C -UNIT #E135					100 A	2	--			9930 VA 9857 VA	2	100 A	LC-C -UNIT #E132					14	
15	SP-1					20 A	1	1176 VA 11080.	1176 VA 11080.			11080. 9930 VA	2	100 A	LC-D1 -UNIT #E134					16
17	SP-2					20 A	1	--			1176 VA 11080.	2	100 A	EWH-1 (STAIRWELL #1, 1ST FLOOR)					18	
19	EWH-1 (STAIRWELL #2, 1ST FLOOR)					20 A	2	--			1500 VA 1500 VA	2	20 A	EWH-1 (STAIRWELL #1, 1ST FLOOR)					20	
21	WTR HTR-1 (CONTROLS)					20 A	1	1500 VA 1500 VA			600 VA 240 VA	1	20 A	TMV-1 (CONTROLS)					22	
23	WTR HTR-2 (CONTROLS)					20 A	1	--			600 VA	2	20 A	CP-1					24	
25	CP-2					20 A	2	562 VA 562 VA											26	
27						--	--	562 VA 562 VA					--						28	
29						--	--	--					--						30	
31						--	--	--					--						32	
33						--	--	--					--						34	
35						--	--	--					--						36	
37						--	--	--					--						38	
39						--	--	--					--						40	
41						--	--	--					--						42	
Total Load:						97855 VA		96962 VA		84041 VA										
Total Amps:						832 A		825 A		700 A										
Legend:																				
Load Classification						Connected Load		Demand Factor		Estimated Demand		Panel Totals								
Heating						6000 VA		100.00%		6000 VA										
Motor						2246 VA		100.00%		2246 VA		Total Conn. Load: 278827 AIA								
Receptacle						3792 VA		100.00%		3792 VA		Total Est. Demand: 121421 AIA								
Residential per NEC 220.84						266789 VA		41.00%		109383 VA		Total Conn.: 774 A								
												Total Est. Demand: 337 A								
Notes:																				



2 FIRST FLOOR ATRIUM - FIRE ALARM
E6.1 1/8" = 1'-0"



1 FIRST FLOOR IL UNITS - FIRE ALARM
E6.1 1/8" = 1'-0"



- GENERAL NOTES
- PROVIDE ALL REQUIRED CONNECTIONS, MATERIALS AND FIRE ALARM DEVICES TO INTERFACE TO ANY LOW VOLTAGE EQUIPMENT, LOW VOLTAGE EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, EMERGENCY CALL SYSTEM, DOOR SECURITY SYSTEM, ETC. REFER TO LOW VOLTAGE SUBMITTALS AND COORDINATE WITH THE LOW VOLTAGE INSTALLERS FOR REQUIRED CONNECTIONS.
 - PROVIDE ALL REQUIRED CONNECTIONS, MATERIALS AND FIRE ALARM DEVICES TO INTERFACE WITH THE SPRINKLER SYSTEM. SPRINKLER SYSTEM CONNECTIONS INCLUDE, BUT IS NOT LIMITED TO, FLOW SWITCHES, PRESSURE SWITCHES, SUPPLY SWITCHES, ETC. COORDINATE QUANTITY AND LOCATION OF SWITCHES WITH THE SPRINKLER DRAWINGS AND INSTALLER FOR REQUIRED CONNECTIONS. NOTE THAT SPRINKLER DRAWINGS SHALL BE PROVIDED BY THE SPRINKLER CONTRACTOR.
 - PROVIDE ALL REQUIRED CONNECTIONS, MATERIALS AND FIRE ALARM DEVICES TO INTERFACE TO THE TRASH CHUTE DOOR INTERLOCKS. REFER TO THE TRASH CHUTE SUBMITTAL AND COORDINATE WITH THE INSTALLER TO PROVIDE ALL REQUIRED CONNECTIONS.
 - FIRE ALARM SYSTEM DEVICES SHOWN ARE FOR BIDDING PURPOSES ONLY. SYSTEM SHALL BE DESIGNED BY AN ENTITY MEETING THE REQUIREMENTS LISTED IN THE SPECIFICATIONS. COORDINATE WORK WITH FIRE ALARM VENDOR PRIOR TO SUBMITTING BIDS.
 - ONLY FIRE ALARM SHOP DRAWINGS APPROVED BY ENGINEER AND PERMITTING AGENCY SHALL BE USED FOR CONSTRUCTION.

- PLAN NOTES
- SMOKE DETECTOR SHALL BE INTERLOCKED WITH ELEVATOR CONTROLLER AS REQUIRED FOR ELEVATOR RECALL PER NFPA 72 GUIDELINES. CONNECT TO ELEVATOR SMOKE CURTAIN (WHERE APPLICABLE) FOR DEPLOYMENT UPON SMOKE DETECTOR ACTIVATION.
 - DOOR HOLDER SHALL RELEASE UPON ACTIVATION OF FIRE ALARM SYSTEM. PROVIDE LIFE SAFETY BRANCH CIRCUIT CONNECTION FOR MAGNETIC DOOR HOLDER. REFER TO MAGNETIC DOOR HOLD OPEN DEVICE DIAGRAM ON SHEET E6.6.
 - LOCATION OF FIRE SMOKE DAMPER WITH 120VAC CONNECTION AND DUCT SMOKE DETECTOR. COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATION OF FIRE SMOKE DAMPERS. REFER TO DETAILS ON DRAWING E0.022 FOR ADDITIONAL INFORMATION.
 - PROVIDE AND INSTALL AN ADDRESSABLE RELAY MODULE AND INTERFACE MAGNETIC DOOR HOLDER OPERATION WITH THE FIRE ALARM SYSTEM. REFER TO MAGNETIC DOOR HOLD OPEN DEVICE DIAGRAM ON SHEET E6.6.
 - PROVIDE AND INSTALL AN ADDRESSABLE INPUT MODULE TO SEND DOOR STATUS TO THE FIRE ALARM SYSTEM. REFER TO MAGNETIC DOOR HOLD OPEN DEVICE DIAGRAM ON SHEET E6.6.
 - FIRE ALARM ZAM CONNECTED TO DOOR CONTROLLER TO SIGNAL OPEN CLOSE FOR ATRIUM SMOKE EVACUATION.
 - FIRE ALARM ZAM MODULE FOR CONTROL OF VFD TO SIGNAL ON-OFF FOR ATRIUM SMOKE EVACUATION.
 - OUTPUT MODULE FOR INTERFACE TO SMOKE CURTAIN AT ELEVATOR DOOR.
 - 120V CONNECTION TO ELEVATOR SMOKE CURTAIN REWIND MOTOR. PROVIDE ALARM CIRCUIT FROM M.O. AUXILIARY CONTACT OF SMOKE DETECTOR FOR CONNECTION TO AND ACTIVATION BY FIRE ALARM SYSTEM.
 - FIRE ALARM INPUT CONTROL MODULE FOR SMOKE EVACUATION CONTROL PANEL. COORDINATE WITH MECHANICAL CONTRACTOR FOR CONNECTIONS.
 - (2) 1-1/4" CONDUITS FROM SMOKE EVACUATION CONTROL PANEL TO SEVIF FANS ON ATRIUM ROOF.



PROJECT TITLE

John Knox Village
COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

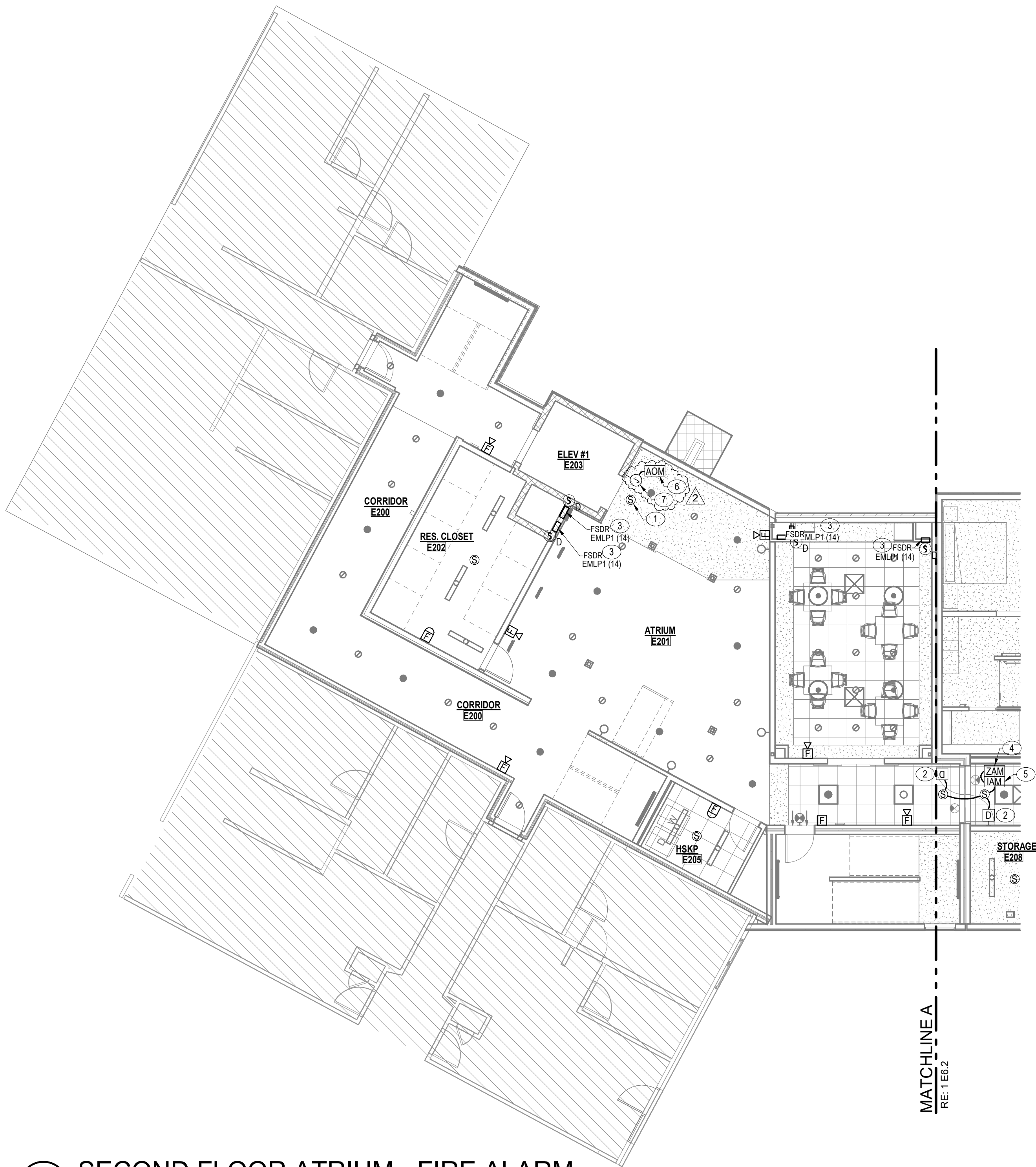
SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfc.com

DESIGNER :	DAS	DRAWN :	MAW, DKW
ARCHITECT :	DAS	CHECKED :	MAW
ENGINEER :	MAW	APPROVED :	JSK
NO.	REVISION DESCRIPTION	DATE	
2	Rev 1 - Permit Comments	02/15/24	

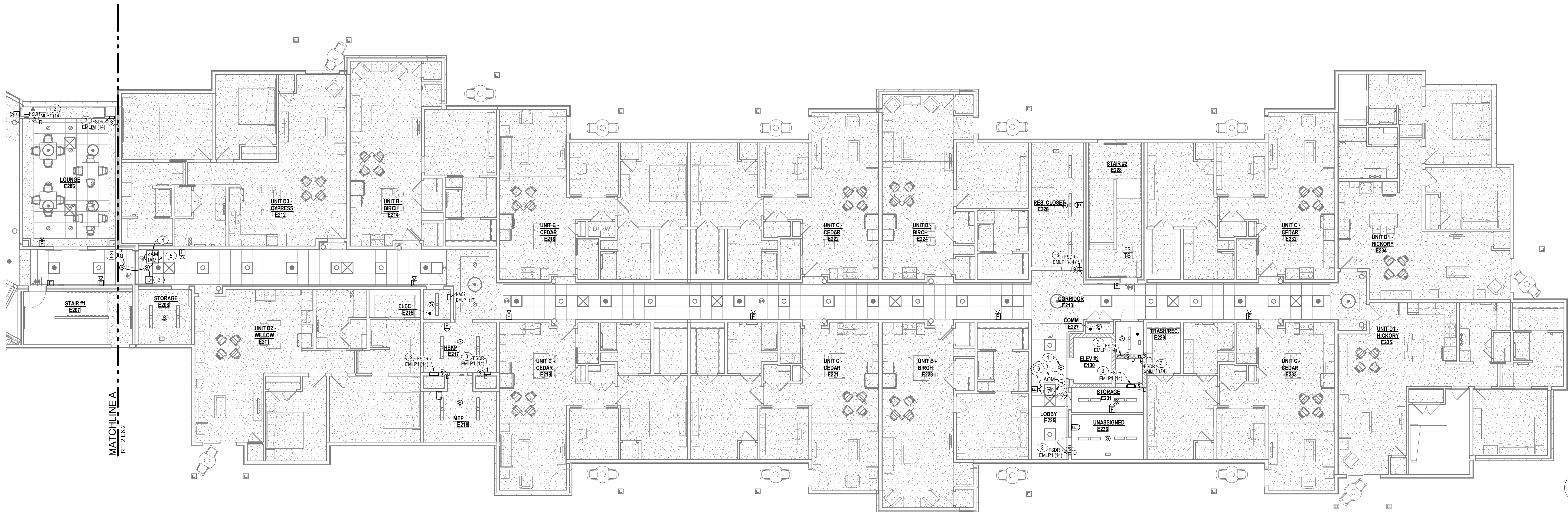
DRAWING TITLE

FIRST FLOOR PLAN - FIRE ALARM

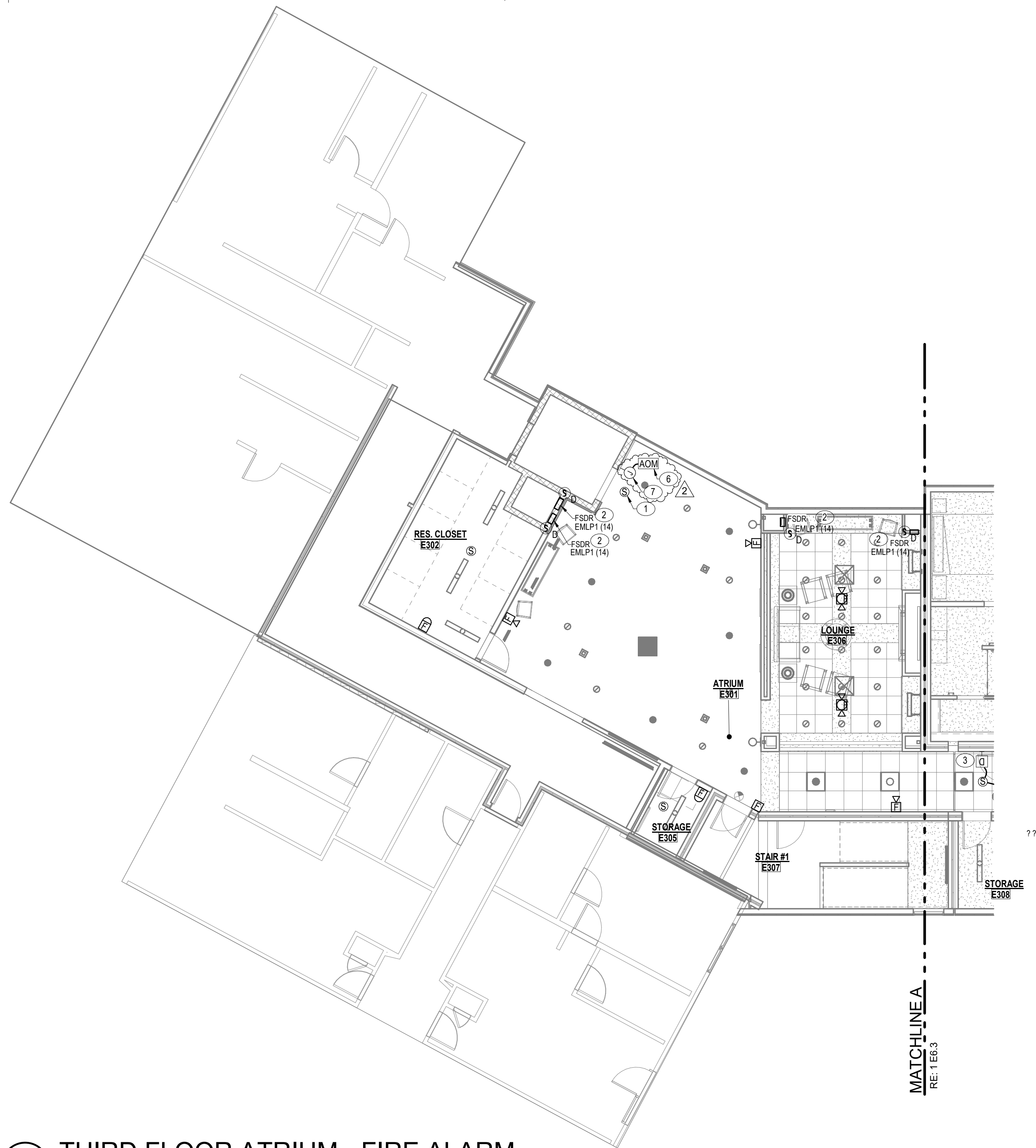
DATE: January 5, 2024
DRAWING: E6.1
COMM. NO.: 23104.00



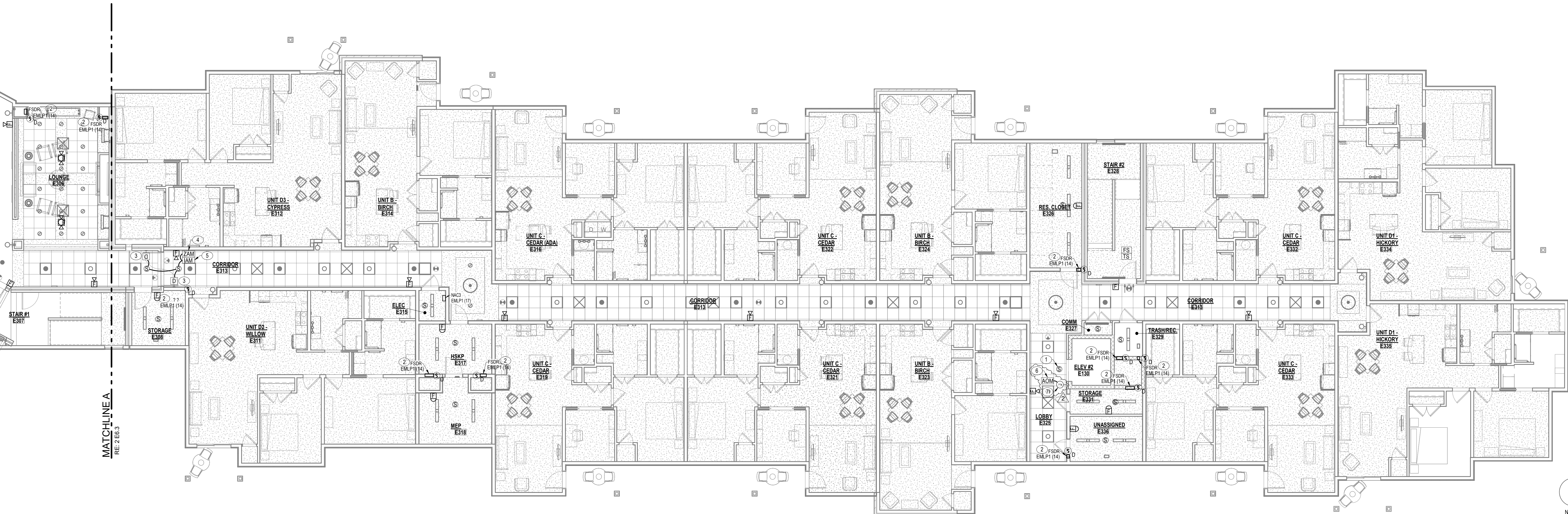
2 SECOND FLOOR ATRIUM - FIRE ALARM
E6.2 1/8" = 1'-0"



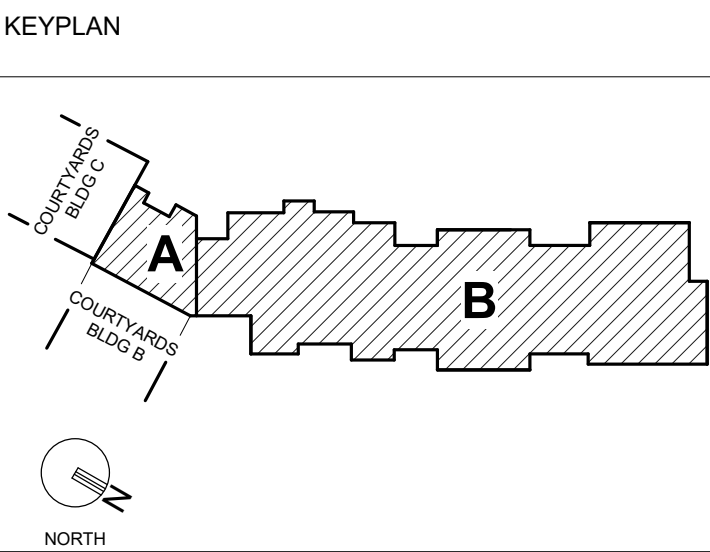
1 SECOND FLOOR IL UNITS - FIRE ALARM
E6.2 1/8" = 1'-0"



2 THIRD FLOOR ATRIUM - FIRE ALARM
E6.3 1/8" = 1'-0"



1 THIRD FLOOR IL UNITS - FIRE ALARM
E6.3 1/8" = 1'-0"



GENERAL NOTES
A REFER TO SHEET E6.1 FOR FIRE ALARM GENERAL NOTES.

- PLAN NOTES
- SMOKE DETECTOR SHALL BE INTERLOCKED WITH ELEVATOR CONTROLLER AS REQUIRED FOR ELEVATOR RECALL PER NFPA 72 GUIDELINES. CONNECT TO ELEVATOR SMOKE CURTAIN (WHERE APPLICABLE) FOR DEPLOYMENT UPON SMOKE DETECTOR ACTIVATION.
 - LOCATION OF FIRE SMOKE DAMPER WITH 120VAC CONNECTION AND DUCT SMOKE DETECTOR. COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATION OF FIRE SMOKE DAMPERS. REFER TO DETAILS ON DRAWING E0.02 FOR ADDITIONAL INFORMATION.
 - DOOR HOLDER SHALL RELEASE UPON ACTIVATION OF FIRE ALARM SYSTEM. PROVIDE LIFE SAFETY BRANCH CIRCUIT CONNECTION FOR MAGNETIC DOOR HOLDER. REFER TO MAGNETIC DOOR HOLD OPEN DEVICE DIAGRAM ON SHEET E6.6.
 - PROVIDE AND INSTALL AN ADDRESSABLE RELAY MODULE AND INTERFACE MAGNETIC DOOR HOLDER OPERATION WITH THE FIRE ALARM SYSTEM. REFER TO MAGNETIC DOOR HOLD OPEN DEVICE DIAGRAM ON SHEET E6.6.
 - PROVIDE AND INSTALL AN ADDRESSABLE INPUT MODULE TO SEND DOOR STATUS TO THE FIRE ALARM SYSTEM. REFER TO MAGNETIC DOOR HOLD OPEN DEVICE DIAGRAM ON SHEET E6.6.
 - OUTPUT MODULE FOR INTERFACE TO SMOKE CURTAIN AT ELEVATOR DOOR.
 - 120V CONNECTION TO ELEVATOR SMOKE CURTAIN REWIND MOTOR. PROVIDE ALARM CIRCUIT FROM N.O. AUXILIARY CONTACT OF SMOKE DETECTOR FOR CONNECTION TO AND ACTIVATION BY FIRE ALARM SYSTEM.



PROJECT TITLE
John Knox Village
COURTYARDS - BUILDING E

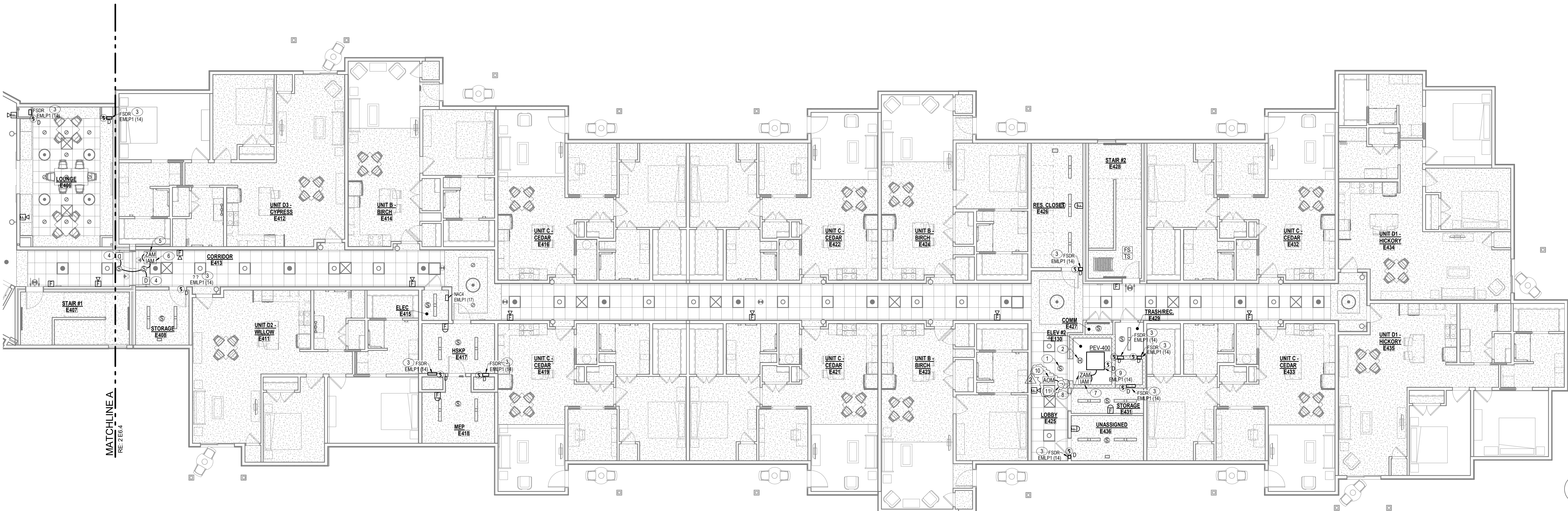
SFCs Architecture
Engineering
Planning
Interiors
SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfc.com

DESIGNER : DAS	DRAWN : MAW, DKW
ARCHITECT : DAS	CHECKED : MAW
ENGINEER : MAW	APPROVED : JSK
NO.	REVISION DESCRIPTION DATE
2	Rev 1 - Permit Comments 02/15/24

DRAWING TITLE
THIRD FLOOR PLAN - FIRE ALARM

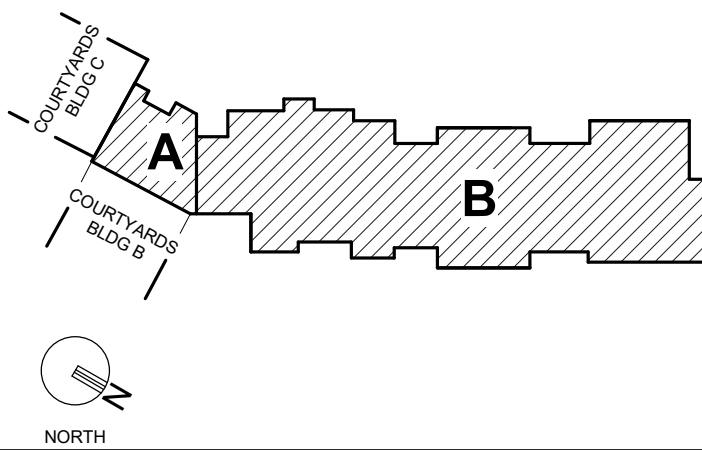
DATE: January 5, 2024
DRAWING
COMM. NO. 23104.00
E6.3

2 FOURTH FLOOR ATRIUM - FIRE ALARM
E6.4 1/8" = 1'-0"



1 FOURTH FLOOR IL UNITS - FIRE ALARM
E6.4 1/8" = 1'-0"

KEYPLAN



GENERAL NOTES

A REFER TO SHEET E6.1 FOR FIRE ALARM GENERAL NOTES.

PLAN NOTES

- SMOKE DETECTOR SHALL BE INTERLOCKED WITH ELEVATOR CONTROLLER AS REQUIRED FOR ELEVATOR RECALL PER NFPA 72 GUIDELINES. CONNECT TO ELEVATOR SMOKE CURTAIN (WHERE APPLICABLE) FOR DEPLOYMENT UPON SMOKE DETECTOR ACTIVATION.
- HEAT DETECTOR SHALL BE MOUNTED AT TOP OF ELEVATOR SHAFT. LOCATE DETECTORS PER NFPA 72 GUIDELINES. HEAT DETECTOR SHALL BE INTERLOCKED WITH SHUNT TRIP OPERATOR OF ELEVATOR CONTROLLER POWER DISCONNECT.
- LOCATION OF FIRE SMOKE DAMPER WITH 120VAC CONNECTION AND DUCT SMOKE DETECTOR. COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATION OF FIRE SMOKE DAMPERS. REFER TO DETAILS ON DRAWING E0.022 FOR ADDITIONAL INFORMATION.
- DOOR HOLDER SHALL RELEASE UPON ACTIVATION OF FIRE ALARM SYSTEM. PROVIDE LIFE SAFETY BRANCH CIRCUIT CONNECTION FOR MAGNETIC DOOR HOLDER. REFER TO MAGNETIC DOOR HOLD OPEN DEVICE DIAGRAM ON SHEET E6.6.
- PROVIDE AND INSTALL AN ADDRESSABLE RELAY MODULE AND INTERFACE MAGNETIC DOOR HOLDER OPERATION WITH THE FIRE ALARM SYSTEM. REFER TO MAGNETIC DOOR HOLD OPEN DEVICE DIAGRAM ON SHEET E6.6.
- PROVIDE AND INSTALL AN ADDRESSABLE INPUT MODULE TO SEND DOOR STATUS TO THE FIRE ALARM SYSTEM. REFER TO MAGNETIC DOOR HOLD OPEN DEVICE DIAGRAM ON SHEET E6.6.
- PROVIDE AND INSTALL AN ADDRESSABLE INPUT MODULE TO SEND GREENHECK PEV-400 PENTHOUSE ELEVATOR VENT STATUS TO THE FIRE ALARM SYSTEM.
- PROVIDE AND INSTALL AN ADDRESSABLE RELAY MODULE AND INTERFACE GREENHECK PEV-400 PENTHOUSE ELEVATOR VENT OPERATION WITH THE FIRE ALARM SYSTEM.
- LOCATION OF GREENHECK PEV-400 PENTHOUSE ELEVATOR VENT TOP OF ELEVATOR SHAFT. SMOKE DAMPER AND SMOKE DETECTOR IS ALL CONTAINED WITHIN VENTILATOR FROM GREENHECK. PROVIDE 120VAC CONNECTION TO HONEYWELL MODEL #MS4120F1008 DAMPER ACTUATOR AND COORDINATE WITH MECHANICAL DRAWINGS.
- OUTPUT MODULE FOR INTERFACE TO SMOKE CURTAIN AT ELEVATOR DOOR.
- 120V CONNECTION TO ELEVATOR SMOKE CURTAIN REWIND MOTOR. PROVIDE ALARM CIRCUIT FROM N.O. AUXILIARY CONTACT OF SMOKE DETECTOR FOR CONNECTION TO AND ACTIVATION BY FIRE ALARM SYSTEM.

PERMIT SET



PROJECT TITLE



John Knox Village

COURTYARDS - BUILDING E

SFCs Architecture
Engineering
Planning
Interiors

SFCs Inc. • 305 South Jefferson Street
Roanoke, Virginia 24011.2003
540.344.6664 • Fax 540.343.6925
www.sfcscs.com

DESIGNER : DAS	DRAWN : MAW, DKW
ARCHITECT : DAS	CHECKED : MAW
ENGINEER : MAW	APPROVED : JSK
NO. 2	REVISION DESCRIPTION DATE
Rev 1 - Permit Comments	02/15/24

DRAWING TITLE

FOURTH FLOOR PLAN -
FIRE ALARM

DATE: January 5, 2024	DRAWING
COMM. NO. 23104.00	E6.4