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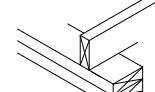
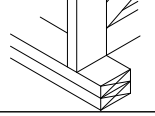
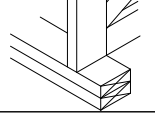
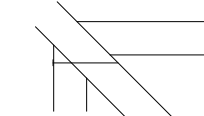
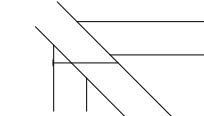
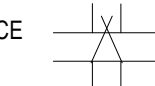
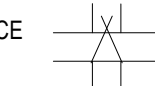
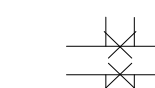
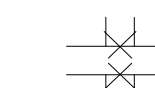
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WALL FASTENING SCHEDULE			
CONNECTION: (NAIL SIZE AND POSITION EXAGGER FOR ILLUSTRATIVE PURPOSES)	FASTENER: MIN. NOMINAL LENGTH IN INCHES x MIN. NOMINAL NAIL DIA. IN INCHES	QUANTITY PER CONNECTION OR SPACING BETWEEN FASTENERS (INCHES ON CENTER)	
TOP OR SOLE PLATE TO STUD (FACE NAIL)	3-1/2" x 0.162" NAIL (16d COMMON)	2	
	3" x 0.131" NAILS	3	
	3" x 0.120" NAILS	4	
DOUBLE 2x4 TOP PLATE	3" x 0.148" NAIL (10d COMMON)	16" O.C.	
	3-1/2" x 0.162" NAIL (16d COMMON)		
	3" x 0.131" NAILS	12" O.C.	
INTERIOR WALL SILL PLATE TO CONCRETE BEARING	SEE WOOD BASE PLATE ATTACHMENT SCHEDULE ON S-402	3-0" O.C.	
	MULTI-PLY 2X2/2X3/2X4 POWDER ACTUATED FASTENERS W/25MM WASHERS	SEE WOOD BASE PLATE ATTACHMENT SCHEDULE ON SHEET S-402	
	3" x 0.131" NAIL	1" O.C.	
INTERIOR WALL SILL PLATE TO WOOD NON BEARING	3" x 0.131" NAIL	3" x 0.131" NAIL	
	3" x 0.131" NAIL	3" x 0.131" NAIL	
	3" x 0.131" NAIL	3" x 0.131" NAIL	
STUD TO TOP OR SOLE PLATE (TOE-NAIL)	3-1/2" x 0.162" NAIL (16d COMMON)	3	
	3" x 0.131" NAILS	4	
	3" x 0.120" NAILS	2 EACH SIDE OF LAP	
CAPTOP PLATE LAPS AND INTERSECTIONS	3" x 0.131" NAILS	3 EACH SIDE OF LAP	
	3" x 0.131" NAILS	12" O.C.	
	3" x 0.120" NAILS	8" O.C.	
DOUBLE STUD	3" x 0.131" NAILS	24" O.C.	
	3" x 0.131" NAILS	16" O.C.	
	3" x 0.120" NAILS	12" O.C.	
CORNER STUDS	3" x 0.131" NAILS	(2) ROWS AT 6" O.C. UPPER PLATE TO LOWER PLATE	
	3" x 0.131" NAILS	(2) ROWS AT 6" O.C. LOWER PLATE TO HEADER	
	3" x 0.120" NAILS		
ROOF TOP PLATES TO HEADER	3" x 0.131" NAILS		

FLOOR FASTENING SCHEDULE			
CONNECTION: (NAIL SIZE AND POSITION EXAGGER FOR ILLUSTRATIVE PURPOSES)	FASTENER: MIN. NOMINAL LENGTH IN INCHES x MIN. NOMINAL NAIL DIA. IN INCHES	QUANTITY PER CONNECTION OR SPACING BETWEEN FASTENERS (INCHES ON CENTER)	
JOIST TO SILL OR GIRDER (TOE-NAILED)	3" x 0.148" NAIL (10d COMMON)	3	
	3" x 0.131" NAILS	4	
	3" x 0.120" NAILS	2	
BLOCKING TO JOIST (LISTED NUMBER OF FASTENERS AT EACH END)	2-1/2" x 0.131" NAIL (0.131"x3" COMMON)	3	
	3" x 0.131" NAILS	3	
	3" x 0.120" NAILS	4	
BLOCKING BETWEEN JOIST OR RAFTER TO TOP PLATE (TOE-NAILED)	3" x 0.148" NAIL (10d COMMON)	3	
	3" x 0.131" NAILS	4	
	3" x 0.120" NAILS	3	
STRONG BACK W/ 2x4 BLOCK NAILS AT TOP, BOTTOM, AND WEB CROSSING	3-1/2" x 0.162" NAIL (16d COMMON)	3	
	3" x 0.131" NAILS	4	
	3" x 0.120" NAILS	6	
LEDGER STRIP	3-1/2" x 0.162" NAIL (16d COMMON)	3	
	3" x 0.131" NAILS	3	
	3" x 0.120" NAILS	5	
JOIST TO RIM JOIST	3-1/2" x 0.162" NAIL (16d COMMON)	3	
	3" x 0.131" NAILS	5	
	3" x 0.120" NAILS	6	
RIM JOIST TO TOP PLATE (TOE-NAILED)	2-1/2" x 0.113" NAIL (0.131"x3" BOX)	8" O.C.	
	3-1/2" x 0.162" NAIL (16d COMMON)	8" O.C.	
	3" x 0.131" NAILS	8" O.C.	

ROOF FASTENING SCHEDULE			QUANTITY PER CONNECTION OR SPACING BETWEEN FASTENERS (INCHES ON CENTER)
CONNECTION (NAIL SIZE AND POSITION EXAGGER FOR ILLUSTRATIVE PURPOSES)	FASTENER: MIN. NOMINAL LENGTH IN INCHES x MIN. NOMINAL NAIL DIA. IN INCHES		
CEILING JOIST TO PLATE		3-1/2" x 0.162" NAIL (16d COMMON)	3
		3" x 0.131" NAILS	5
		3" x 0.120" NAILS	
ROOF RAFTER TO PLATE (TOE-NAILED)		2-1/2" x 0.131" NAIL (0.131"x3" COMMON)	3
		3-1/2" x 0.162" NAIL (16d COMMON)	
		3" x 0.131" NAILS	
		3" x 0.131" NAILS	4
		3" x 0.120" NAILS	
JACK RAFTER TO HIP (TOE-NAILED)		3" x 0.148" NAIL (10d COMMON)	3
		3-1/2" x 0.162" NAIL (16d COMMON)	
		3" x 0.131" NAILS	
		3" x 0.120" NAILS	4
		3-1/2" x 0.162" NAIL (16d COMMON)	
		3" x 0.148" NAIL (10d COMMON)	
		3" x 0.131" NAILS	3
		3" x 0.120" NAILS	
JACK RAFTER TO HIP (FACE-NAILED)		3-1/2" x 0.162" NAIL (16d COMMON)	2
		3" x 0.148" NAIL (10d COMMON)	
		3" x 0.131" NAILS	
		3" x 0.120" NAILS	4
		3-1/2" x 0.162" NAIL (16d COMMON)	
		3" x 0.131" NAILS	
ROOF RAFTER TO RIDGE BEAM (FACE NAILED)		3-1/2" x 0.162" NAIL (16d COMMON)	2
		3" x 0.131" NAILS	
		3" x 0.120" NAILS	
(ONLY THE ATTACHMENT OF THE TOP RAFTER IS ILLUSTRATED)		3" x 0.120" NAILS	4
ROOF RAFTER TO RIDGE BEAM (TOE-NAILED)		3-1/2" x 0.162" NAIL (16d COMMON)	2
		3" x 0.131" NAILS	
		3" x 0.120" NAILS	
		3" x 0.131" NAILS	3
		3" x 0.120" NAILS	

ALLOWABLE WOOD PRESERVATIVE SYSTEMS AND REQUIRED CORROSION PROTECTION				
LOCATION/USE	ALLOWABLE PRESERVATIVE - MIN. RETENTION (PCF)	MIN. CORROSION PROTECTION REQUIRED (2)		
		STEEL CONNECTORS	FASTENERS	
	DOT AND POLYMER BINDER - 0.50 PCF (3) INORGANIC BORON (SBB) - SEE NOTE 1	STANDARD G90 ZINC GALVANIZED COATING	STANDARD G90 ZINC GALVANIZED COATING	
SILL PLATES (ABOVE GROUND)	ALKALINE COPPER QUAT (ACQ-C&D) (NO AMMONIA) - 0.15 PCF			
	COPPER AZOLE (CA-B) - 0.10 PCF	STEEL LESS THAN 14 GA. ASTM A653, TYPE G185		
	MICRONIZED COPPER QUAT (MCQ) - 0.15 PCF	ZINC GALVANIZED COATING OR STEEL 14 GAUGE AND THICKER	HOT-DIP GALVANIZED PER ASTM A153 OR EQUIVALENT	
EXTERIOR LUMBER ABOVE GROUND (JOISTS, DECKING, LEDGERS, ETC.)	ALKALINE COPPER QUAT (ACQ-C&D) (NO AMMONIA) - 0.20 PCF			
	COPPER AZOLE (CA-B) - 0.10 PCF	HOT-DIPPED GALVANIZED		
	MICRONIZED COPPER QUAT (MCQ) - 0.15 PCF	WITH MINIMUM AVERAGE COATING OF 2.00 oz/sq ft PER ASTM A153		
FIRE RETARDANT TREATED LUMBER (FRT) (4)	FRX AND THERMEX-FR (TM)			
	DRICON (TM)			
	PYRO-GUARD (TM)			
EXTERIOR LUMBER IN CONTACT WITH GROUND OR FRESH WATER OR EXPOSED TO SALT WATER	ALKALINE COPPER QUAT (ACQ-C&D) (NO AMMONIA) - 0.40 PCF			
	COPPER AZOLE (CA-B) - 0.21 PCF			
	MICRONIZED COPPER QUAT (MCQ) - 0.34 PCF	STAINLESS STEEL TYPES 303,304,305 OR 316		
NOTES:				
1. SBB MAY BE USED ABOVE GROUND WHERE CONTINUOUSLY PROTECTED FROM EXPOSURE TO LIQUID WATER IN APPLICATIONS SUCH AS SILL PLATES OR OTHER ENCLOSED STRUCTURAL FRAMING AT RETENTIONS (BDS BASIS) OR 0.11 PCF OR 0.28 PCF WHERE FORMOSAN TERMITES ARE CONFIRMED.				
2. CORROSION PROTECTION OF FASTENERS SHALL MATCH CORROSION PROTECTION OF STEEL ACCESSORY BEING ATTACHED. DO NOT USE STAINLESS STEEL WITH HDG CORROSION PROTECTION.				
3. NOT TO BE USED IN AREAS OF FORMOSAN TERMITES.				
4. DESIGN VALUE FOR FASTENERS USED WITH FRT LUMBER SHALL BE MULTIPLIED BY A 0.90 ADJUSTMENT FACTOR.				
5. GENERAL CONTRACTOR SHALL PROVIDE LUMBER PRESERVATIVE, STEEL ACCESSORY AND FASTENER SUBMITTALS IN ACCORDANCE WITH THE SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.				
BUILDING SHRINKAGE AND SETTLEMENT SCHEDULE				
FRAMED FLOOR	SECOND	THIRD	FOURTH	ROOF
TOTAL BUILDING MOVEMENT	3/8"	3/4"	1-1/4"	1-1/2"
NOTES:				
1. VALUES ARE BASED ON ACCEPTED ENGINEERING PRACTICES AND TOLERANCES FOR WOOD FRAMING CONSTRUCTION. WEATHER AND OTHER ENVIRONMENTAL CONDITIONS MAY AFFECT ACTUAL SHRINKAGE VALUES.				
2. VALUES CONSIDER SHRINKAGE OF WOOD FRAMING (STUDS/PLATES), TAKE UP OF FRAMING (CLOSING OF GAPS), AND CREEP (LONG TERM MOVEMENT UNDER SUSTAINED LOADING).				
3. PLUMBER TO PROVIDE (1) CODE APPROVED EXPANSION JOINT AT EACH FLOOR ON ALL VERTICAL PVC RISERS WITH A 1" CONNECTION PENETRATING A 2x STUD TO COMPENSATE FOR BUILDING MOVEMENT. INSTALL PER MANUFACTURER'S SPECIFICATIONS.				

JACK AND KING STUD SCHEDULE						
OPENING	ROOF BEARING ABOVE	ROOF AND 1 FLR BEARING ABOVE	ROOF AND 2 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE AT BUILDING-1	
EXTERIOR WALLS - TYPE E1						
0'-0" UP TO 6'-6"	1.81 S	1.81 S	1.81 S	1.81 S	1.81 S	
EXTERIOR WALLS - TYPE E2/E3						
0'-0" UP TO 6'-6"	1.81 S	1.81 S	1.81 S	1.82 S	1.82 S	
CORRIDOR WALLS - TYPE C1						
0'-0" UP TO 4'-0"	1.81 S	1.81 S	1.81 S	1.81 S	1.81 S	
4'-1" UP TO 6'-6"	1.81 S	1.81 S	1.82 S	1.82 S	1.82 S	
INTERIOR WALLS - TYPE I1						
0'-0" UP TO 3'-6"	-	1.81 S	1.81 S	1.81 S	2.83 S	
INTERIOR WALLS - TYPE I2						
0'-0" UP TO 3'-6"	-	1.81 S	1.81 S	1.81 S	1.81 S	
NOTES:						
1. TYPICAL UNLESS NOTED OTHERWISE ON PLANS.						
2. J = JACK UNDER HEADER.						
3. S = FULL HEIGHT STUD NAILED TO JACK ALONGSIDE OF JACK.						
4. ALL JACKS AND STUDS TO BE 2x SPF #2 GRADE OR BETTER.						
5. FOR FLUSH BEAMS WITH NO COLUMNS LABELED ON THE PLAN, USE THE TOTAL NUMBER OF JACKS STUDS SHOWN IN THE SCHEDULE ABOVE, EXCEPT LOCATE THEM ALL UNDER THE BEAM, BLOCKED AS REQUIRED.						

BEARING WALL STUD SCHEDULE - SPF #1/#2												
LEVELS SUPPORTED	FLR TO FLR HEIGHT	EXTERIOR - F E1 (1)	E2	CORRIDOR - F C1 (1)	INTERIOR - P I1 (1)	I2	I3	U1 (1)	U2	U3	WET WALL	
ROOF	-8'-11 1/8"	26/16	26/16	26/12	24/16	-	0	26/16	26/16	26/16		
ROOF + 1 FLR ABOVE	-9'-11 7/8"	26/16	26/16	26/12	24/120	26/12	26/12	26/16	26/16	26/12		
ROOF + 2 FLR ABOVE	-9'-11 7/8"	26/16	26/12	26/12	24/120	26/12	26/12	26/16	26/12	26/120		
ROOF + 3 FLR ABOVE	-9'-11 7/8"	26/16	26/12	26/12	224/127	26/12	26/120	26/16	26/12	26/120		
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11 7/8" TO 12'-0"	26/16	26/12	26/12	324/12	26/12	26/120	26/16	26/12	26/120		
LEGEND:												
24/16 = 2x4 AT 16" O.C.					224/127 = 2x4 AT 12" O.C., TRIPLE STUD UNDER TRUSS							
24/12 = 2x4 AT 12" O.C.					26/16 = 2x6 AT 16" O.C.							
24/120 = 2x4 AT 12" O.C. DOUBLE STUD UNDER TRUSS					26/12 = 2x6 AT 12" O.C.							
24/12 + (2) 2x4 AT 12" O.C.					26/120 = 2x6 AT 12" O.C. DOUBLE STUD UNDER TRUSS							
NOTES:												
1. TYPICAL UNLESS NOTED OTHERWISE ON PLANS.												
2. SCHEDULE IS BASED ON A NOMINAL 10'-8" FLOOR-TO-FLOOR HEIGHT, UNLESS NOTED OTHERWISE.												
3. AT PLATFORM FRAMED WALLS, ALL STUDS SHALL ALIGN WITHIN 2" OF TRUSSES ABOVE WHERE STUDS ARE SPACED AT 12" O.C. AT FULL STORY FRAMED WALLS, IF A DOUBLE EVERY OTHER STUD IS SPECIFIED, DOUBLE STUD SHALL OCCUR CLOSEST TO THE TRUSS												
4. DOUBLE AND TRIPLE STUDS SHALL BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.												
5. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-2 STUD GRADE 2x4 AT 24" O.C.												
6. INSTALL BLOCKING WITHIN THE MIDDLE THIRD OF THE STUD HEIGHT AT ALL BEARING WALL PRIOR TO WALL SUPPORTING ANY WEIGHT, COORDINATE LOCATION WITH DRYWALL INSTALLATION.												
7. STUD SPACING AT 2x6 WET WALLS TO BE SINGLE STUD TO MATCH ADJACENT 2x4 WALL STUD SPACING.												
8. TYPICAL FLOOR STUD HEIGHT IS EQUAL TO = ACTUAL FLOOR-TO-FLOOR HEIGHT - SHEATHING THICKNESS - # OF TOP AND BOTTOM PLATES x PLATE THICKNESS MINUS FLOOR TRUSS DEPTH, IF PLATFORM FRAMED).												
9. TYPICAL TOP LEVEL STUD HEIGHT (SUPPORTING ROOF ONLY) IS EQUAL TO = TRUSS BEARING HEIGHT - # OF TOP PLATES x PLATE THICKNESS												
10. FULL STORY FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS												
11. PLATFORM FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS												

	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
M																			
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B																			
A																			
	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	

DEVELOPMENT LENGTHS OF STANDARD HOOKS IN TENSION									
GRADE 60 UNCOATED REINFORCEMENT, NORMAL-WEIGHT CONCRETE									
BAR SIZE	f'c = 3,000 psi		f'c = 4,000 psi		f'c = 5,000 psi		f'c = 6,000 psi		
	Lhb	0.7Lhb	Lhb	0.7Lhb	Lhb	0.7Lhb	Lhb	0.7Lhb	
#3	9	6	8	6	7	6	6	6	
#4	11	8	10	7	9	6	8	6	
#5	14	10	12	9	11	8	10	7	
#6	17	12	15	10	13	9	12	9	
#7	20	14	17	12	15	11	14	10	
#8	22	16	19	14	17	12	16	11	
#9	25	18	22	15	20	14	18	13	
#10	28	20	25	17	22	16	20	14	
#11	31	22	27	19	24	17	22	16	
NOTES:									
1. Ldh = DEVELOPMENT LENGTH OF STANDARD HOOKS IN TENSION (INCHES)									
2. Ldh = Lhb UNLESS CONDITIONS OF NOTE 3 ARE SATISFIED									
3. Lhb = 0.7 Lhb FOR #11 BARS AND SMALLER WHEN COVER (NORMAL TO PLANE OF HOOK) IS NOT LESS THAN 2-1/2" INCHES AND FOR 90° HOOKS COVER ON BAR EXTENSION BEYOND HOOK IS NOT LESS THAN 2 INCHES									
4. HOOKS ARE NOT CONSIDERED EFFECTIVE FOR DEVELOPING BARS IN COMPRESSION.									

DEVELOPMENT LENGTHS OF STANDARD HOOKS IN TENSION									
GRADE 60 EPOXY COATED REINFORCEMENT, NORMAL-WEIGHT CONCRETE									
BAR SIZE	f'c = 3,000 psi		f'c = 4,000 psi		f'c = 5,000 psi		f'c = 6,000 psi		
	Lhb	0.7Lhb	Lhb	0.7Lhb	Lhb	0.7Lhb	Lhb	0.7Lhb	
#3	10	7	9	6	8	6	7	6	
#4	14	10	12	8	11	8	10	7	
#5	17	12	15	10	13	9	12	9	
#6	20	14	18	12	16	11	14	10	
#7	24	17	20	14	18	13	17	12	
#8	27	19	23	16	21	15	19	14	
#9	30	21	26	18	23	17	21	15	
#10	34	24	29	21	26	19	24	17	
#11	38	26	33	23	29	21	27	19	
NOTES:									
1. Ldh = DEVELOPMENT LENGTH OF STANDARD HOOKS IN TENSION (INCHES)									
2. Ldh = Lhb UNLESS CONDITIONS OF NOTE 3 ARE SATISFIED									
3. Lhb = 0.7 Lhb FOR #11 BARS AND SMALLER WHEN COVER (NORMAL TO PLANE OF HOOK) IS NOT LESS THAN 2-1/2" INCHES AND FOR 90° HOOKS COVER ON BAR EXTENSION BEYOND HOOK IS NOT LESS THAN 2 INCHES									
4. HOOKS ARE NOT CONSIDERED EFFECTIVE FOR DEVELOPING BARS IN COMPRESSION.									

DEVELOPMENT LENGTHS IN COMPRESSION (IN INCHES)						
BAR SIZE	f'c = 3.0 ksi	f'c = 3.5 ksi	f'c = 4.0 ksi	f'c = 4.5 ksi	f'c = 5.0 ksi	f'c = 6.0 ksi
#4	9	8	8	8	8	8
#5	11	11	10	9	9	9
#6	14	13	12	12	12	12
#7	17	16	15	14	14	14
#8	20	18	17	16	16	16
#9	22	21	19	18	18	18
#10	25	23	22	21	21	21
#11	28	26	25	23	23	23
#14	31	29	27	26	26	26

TENSION DEVELOPMENT AND LAP SPICE LENGTHS FOR UNCOATED BARS																					
BAR SIZE	LAP CLASS	f'c = 3,000 psi				f'c = 4,000 psi				f'c = 4,500 psi				f'c = 5,000 psi				f'c = 6,000 psi			
		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2
#3	A	22	33	17	25	19	28	15	22	18	27	14	21	17	25	13	20	16	23	12	18
	B	28	42	22	33	25	37	19	28	23	35	18	27	22	33	17	25	20	30	16	23
#4	A	29	43	22	33	25	37	19	29	24	35	18	27	23	34	17	26	21	31	16	24
	B	38	56	29	43	33	49	25	37	31	46	24	35	29	44	23	34	27	40	21	31
#5	A	36	54	28	42	31	47	24	36	30	44	23	34	28	42	22	32	26	38	20	30
	B	47	70	36	54	41	61	31	47	38	57	30	44	36	54	28	42	33	50	26	38
#6	A	43	65	33	50	37	56	29	43	35	53	27	41	34	50	26	39	31	46	24	35
	B	56	84	43	65	49	73	37	56	46	69	35	53	44	65	34	50	40	59	31	46
#7	A	63	94	48	72	54	81	42	63	51	77	40	59	49	73	38	56	45	67	34	51
	B	81	122	63	94	71	106	54	81	67	100	51	77	63	95	49	73	58	86	45	67
#8	A	72	107	55	83	62	93	48	72	59	88	45	68	56	83	43	64	51	76	39	59
	B	93	139	72	107	81	121	62	93	76	114	59	88	72	108	56	83	66	99	51	76
#9	A	81	121	62	93	70	105	54	81	66	99	51	76	63	94	48	72	57	86	44	66
	B	105	157	81	121	91	136	70	105	86	128	66	99	81	122	63	94	74	111	57	86
#10	A	91	136	70	105	79	118	61	91	74	111	57	86	81	106	54	81	64	96	50	74
	B	118	177	91	136	102	153	79	118	96	144	74	111	92	137	71	106	84	125	64	96
#11	A	101	151	78	116	87	131	67	101	82	123	64	95	78	117	60	90	71	107	55	82
	B	131	196	101	151	114	170	87	131	107	160	82	123	102	152	78	117	93	139	71	107
NOTES:																					
1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL WEIGHT CONCRETE.																					
2. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPICE LENGTHS ARE BASED ON ACI 318.																					
3. CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, CONCRETE COVER, AND THE CENTER-TO-CENTER SPACING OF THE BARS, ARE DEFINED AS:																					
BEAMS OR COLUMNS		CASE 1		COVER AT LEAST 1db AND c < c. SPACING AT LEAST 2 db																	
		CASE 2		COVER LESS THAN 1db AND c < c. SPACING AT LEAST 2 db																	
ALL OTHERS		CASE 1		COVER AT LEAST 1db AND c < c. SPACING AT LEAST 3 db																	
		CASE 2		COVER LESS THAN 1db AND c < c. SPACING AT LEAST 3 db																	
4. LAP CLASS A VALUES ARE THE REQUIRED TENSION DEVELOPMENT LENGTHS. Ld: LAP SPICE LENGTHS ARE MULTIPLES OF TENSION DEVELOPMENT LENGTHS; CLASS A - 1.0Ld AND CLASS B - 1.3Ld.																					
5. "TOP BARS" ARE DEFINED PER ACI HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPICE. "OTHER BARS" ARE ALL BARS FOR WHICH THIS DOES NOT APPLY.																					
6. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.																					
7. WHEN TENSION LAPPING SMALLER DIAMETER BAR WITH LARGER DIAMETER BAR, USE THE LAP LENGTH OF THE LARGER BARS.																					

TENSION DEVELOPMENT AND LAP SPICE LENGTHS FOR EPOXY COATED BARS																					
BAR SIZE	LAP CLASS	f'c = 3,000 psi				f'c = 4,000 psi				f'c = 4,500 psi				f'c = 5,000 psi				f'c = 6,000 psi			
		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2
#3	A	28	42	25	37	25	37	22	33	23	35	21	31	22	33	20	29	20	30	18	27
	B	37	55	33	49	32	46	28	42	30	44	27	40	27	40	23	33	26	39	23	34
#4	A	38	56	33	50	33	49	29	43	31	46	27	41	29	44	26	39	27	40	24	34
	B	49	73	43	65	42	63	37	56	40	60	35	53	38	57	34	50	35	52	31	46
#5	A	47	70	42	62	41	61	36	54	39	58	34	51	37	55	32	48	33	50	30	44
	B	61	91	54	81	53	79	47	70	50	75	44	66	47	71	42	63	43	65	38	57
#6	A	56	84	50	74	49	73	43	65	46	69	41	61	44	65	39	58	40	60	35	53
	B	73	109	65	97	63	95	56	84	60	89	53	79	57	85	50	75	52	78	46	68
#7	A	82	123	72	108	71	106	63	94	67	100	59	89	64	95	56	84	58	87	51	77
	B	106	159	94	141	92	138	81	122	87	130	77	115	83	124	73	109	75	113	67	100
#8	A	94	140	83	124	81	121	72	107	77	115	68	101	73	109	64	96	66	99	59	88
	B	122	182	107	161	105	158	93	139	99	149	88	131	94	141	83	125	86	129	76	114
#9	A	106	158	93	140	91	137	81	121	86	129	76	114	82	123	72	108	75	112	66	99
	B	137	205	121	181	119	178	105	157	112	168	99	148	106	159	94	140	97	145	86	128
#10	A	119	178	105	157	103	154	91	136	97	145	86	128	92	138	81	122	84	126	74	111
	B	154	231	136	204	134	200	118	177	126	189	111	167	120	179	106	158	109	164	96	144
#11	A	132	197	116	174	114	171	101	151	108	161	95	142	102	153	90	135	93	140	82	123
	B	171	257	151	226	148	222	131	196	140	210	123	185	133	199	117	175	121	182	107	160

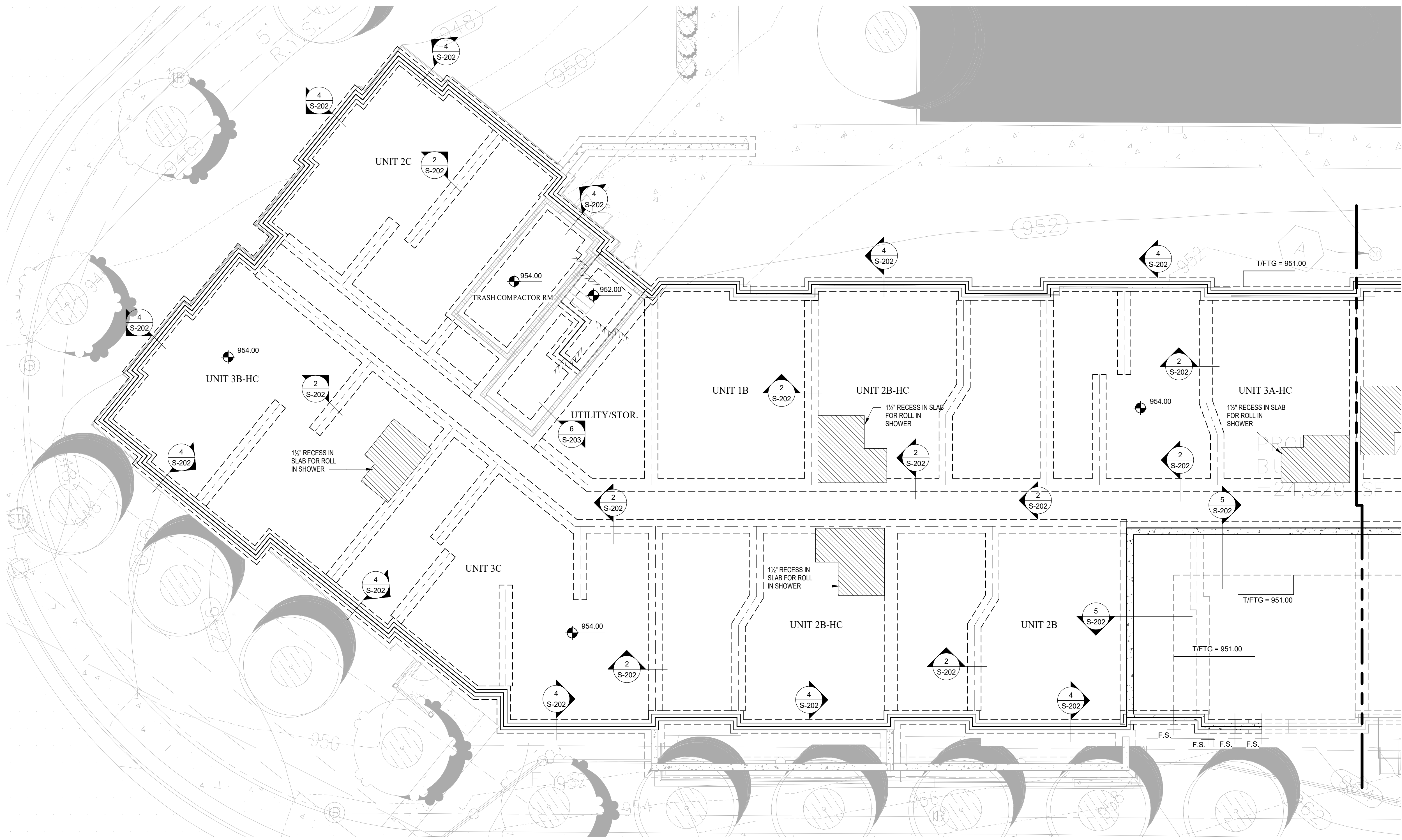
NOTES:

1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL WEIGHT CONCRETE.
2. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPICE LENGTHS ARE BASED ON AC-308.
3. CASES 1, 2 AND 1, WHICH DEPEND ON THE TYPE OF STRUCTURAL ELEMENT, CONCRETE COVER, AND THE CENTER-TO-CENTER SPACING OF THE BARS, ARE DEFINED AS:

BEAMS OR COLUMNS	CASE 1	COVER AT LEAST 1db AND c < c _{min} ; SPACING AT LEAST 2 db
	CASE 2	COVER LESS THAN 1db AND c < c _{min} ; SPACING AT LEAST 2 db
	CASE 1	COVER AT LEAST 1db AND c < c _{min} ; SPACING AT LEAST 3 db
	CASE 2	COVER LESS THAN 1db AND c < c _{min} ; SPACING AT LEAST 3 db

ALL OTHERS	CASE 1	COVER AT LEAST 1db AND c < c _{min} ; SPACING AT LEAST 3 db
	CASE 2	COVER LESS THAN 1db AND c < c _{min} ; SPACING AT LEAST 3 db
	CASE 1	COVER AT LEAST 1db AND c < c _{min} ; SPACING AT LEAST 3 db
	CASE 2	COVER LESS THAN 1db AND c < c _{min} ; SPACING AT LEAST 3 db

4. LAP CLASS A VALUES ARE THE REQUIRED TENSION DEVELOPMENT LENGTHS, L_d. LAP SPICE LENGTHS ARE MULTIPLES OF TENSION DEVELOPMENT LENGTHS; CLASS A = 10xL_d AND CLASS B = 13xL_d
5. "TOP BARS" ARE DEFINED PER A/CI HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPICE. "OTHER BARS" ARE ALL BARS FOR WHICH THIS DOES NOT APPLY.
6. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.
7. WHEN TENSION LAPPING SMALLER DIAMETER BAR WITH LARGER DIAMETER BAR, USE THE LAP LENGTH OF THE LARGER BARS.



BUILDING 1 FIRST FLOOR FOUNDATION PLAN - AREA A

SCALE: 1/8" = 1'-0"



NORTH

- FOUNDATION PLAN NOTES (S.O.C.):
- SEE PLAN FOR TOP OF SLAB ELEVATION. VERIFY WITH LATEST ARCHITECTURAL AND CIVIL DRAWINGS.
 - G.C. TO VERIFY ALL DIMENSIONS SHOWN WITH LATEST ARCHITECTURAL AND CIVIL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
 - SLAB ON GRADE SHALL BE 3000 psi NORMAL WEIGHT CONCRETE, 4" THICK REINFORCED WITH #3 AT 18" O.C. W/ PLACED AT MID-DEPTH ON POLYETHYLENE VAPOR BARRIER OVER WASHED CRUSHED STONE PER THE GEOTECHNICAL REPORT. SEE DETAIL 141 S-201.
 - TOP OF FOOTING ELEVATIONS ARE AS NOTED ON THE PLANS, U.N.O. FOOTINGS SHALL BE CENTERED UNDER COLUMNS, U.N.O.
 - COORDINATE ALL UNDERGROUND UTILITIES POINT OF ENTRY INTO BUILDING WITH LATEST ARCHITECTURAL/MEP/CIVIL DRAWINGS PRIOR TO POURING FOOTINGS TO AVOID UNDERMINING FOOTINGS AFTER THEY ARE POURED. UTILITY INVERTS SHALL BE ABOVE TOP OF FOOTING ELEVATIONS, TYPICAL.
 - COORDINATE DRAINS, DEPRESSIONS, AND SLAB FOLDS WITH LATEST ARCHITECTURAL DRAWINGS.
 - SEE TYPICAL DETAILS ON S-201 FOR ADDITIONAL INFORMATION.
 - HATCHED REGION SHOWN ON PLAN. PROVIDE 1/2" RECESS IN SLAB FOR ROLL-IN SHOWERS

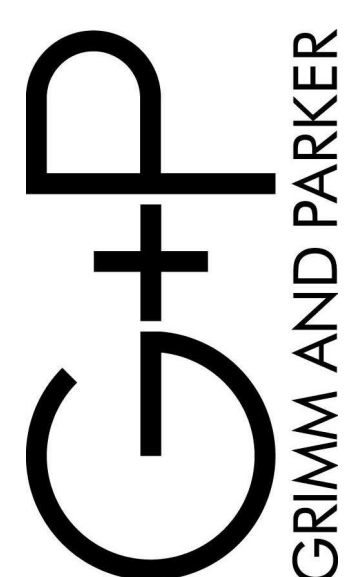
DISCLAIMER NOTES

A. THE CONTRACTOR, BEFORE STARTING ANY WORK, SHALL CHECK ALL DIMENSIONS GIVEN ON THE STRUCTURAL DRAWINGS, RELATING TO GRID LINES, COLUMN AND WALL LOCATIONS, STRUCTURAL AND FINISHED FLOOR ELEVATIONS, MEMBER SIZES, ETC., WITH THE ARCHITECTURAL AND CIVIL DRAWINGS. IF ANY DISCREPANCIES ARE NOTICED, IMMEDIATELY NOTIFY THE SER/ARCHITECT, AND WORK SHALL NOT COMMENCE UNTIL INSTRUCTIONS ARE RECEIVED FROM THE SER/ARCHITECT.

B. THE CONTRACTOR SHALL REFER TO THE SER/ARCHITECT FOR ANY DIMENSION NOT GIVEN ON OR NOT OBTAINABLE FROM THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THESE DRAWINGS.



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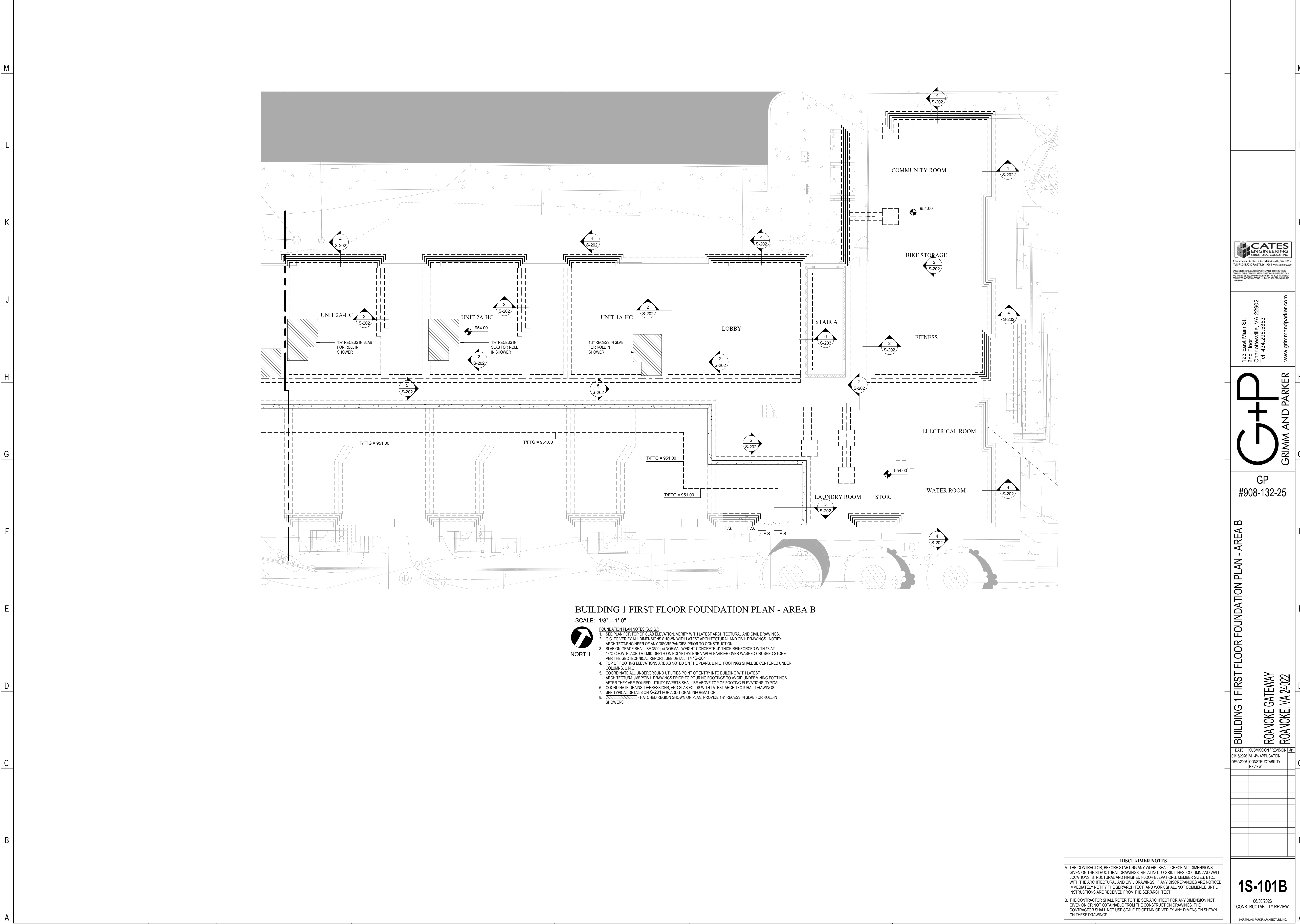


GP
#908-132-25

BUILDING 1 FIRST FLOOR FOUNDATION PLAN - AREA A
ROANOKE GATEWAY
ROANOKE, VA 24002

DATE	SUBMISSION / REVISION / A
01/15/2026	1/4% APPLICATION
06/30/2026	CONSTRUCTABILITY REVIEW

1S-101A
06/30/2026
CONSTRUCTABILITY REVIEW



BUILDING 1 FIRST FLOOR FOUNDATION PLAN - AREA B

SCALE: 1/8" = 1'-0"



NORTH

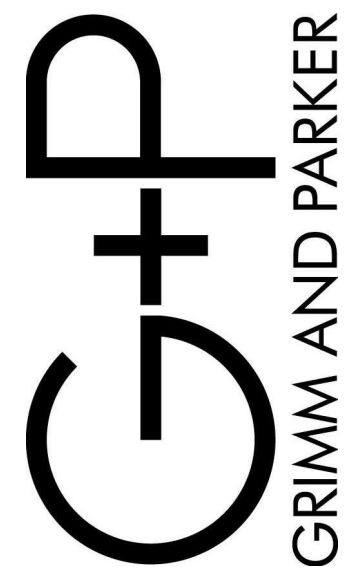
- FOUNDATION PLAN NOTES (S.O.C.):
- SEE PLAN FOR TOP OF SLAB ELEVATION. VERIFY WITH LATEST ARCHITECTURAL AND CIVIL DRAWINGS.
 - G.C. TO VERIFY ALL DIMENSIONS SHOWN WITH LATEST ARCHITECTURAL AND CIVIL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
 - SLAB ON GRADE SHALL BE 3000 psi NORMAL WEIGHT CONCRETE, 4" THICK REINFORCED WITH #3 AT 18" O.C. W/ PLACED AT MID-DEPTH ON POLYETHYLENE VAPOR BARRIER OVER WASHED CRUSHED STONE PER THE GEOTECHNICAL REPORT. SEE DETAIL 141 S-201.
 - TOP OF FOOTING ELEVATIONS ARE AS NOTED ON THE PLANS, U.N.O. FOOTINGS SHALL BE CENTERED UNDER COLUMNS, U.N.O.
 - COORDINATE ALL UNDERGROUND UTILITIES POINT OF ENTRY INTO BUILDING WITH LATEST ARCHITECTURAL/MEP/CIVIL DRAWINGS PRIOR TO POURING FOOTINGS TO AVOID UNDERMINING FOOTINGS AFTER THEY ARE POURED. UTILITY INVERTS SHALL BE ABOVE TOP OF FOOTING ELEVATIONS, TYPICAL.
 - COORDINATE DRAINS, DEPRESSIONS, AND SLAB FOLDS WITH LATEST ARCHITECTURAL DRAWINGS.
 - SEE TYPICAL DETAILS ON S-201 FOR ADDITIONAL INFORMATION.
 - HATCHED REGION SHOWN ON PLAN, PROVIDE 1 1/2" RECESS IN SLAB FOR ROLL-IN SHOWERS

DISCLAIMER NOTES

- A. THE CONTRACTOR, BEFORE STARTING ANY WORK, SHALL CHECK ALL DIMENSIONS GIVEN ON THE STRUCTURAL DRAWINGS, RELATING TO GRID LINES, COLUMN AND WALL LOCATIONS, STRUCTURAL AND FINISHED FLOOR ELEVATIONS, MEMBER SIZES, ETC., WITH THE ARCHITECTURAL AND CIVIL DRAWINGS. IF ANY DISCREPANCIES ARE NOTICED, IMMEDIATELY NOTIFY THE SER/ARCHITECT, AND WORK SHALL NOT COMMENCE UNTIL INSTRUCTIONS ARE RECEIVED FROM THE SER/ARCHITECT.
- B. THE CONTRACTOR SHALL REFER TO THE SER/ARCHITECT FOR ANY DIMENSION NOT GIVEN ON OR NOT OBTAINABLE FROM THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THESE DRAWINGS.



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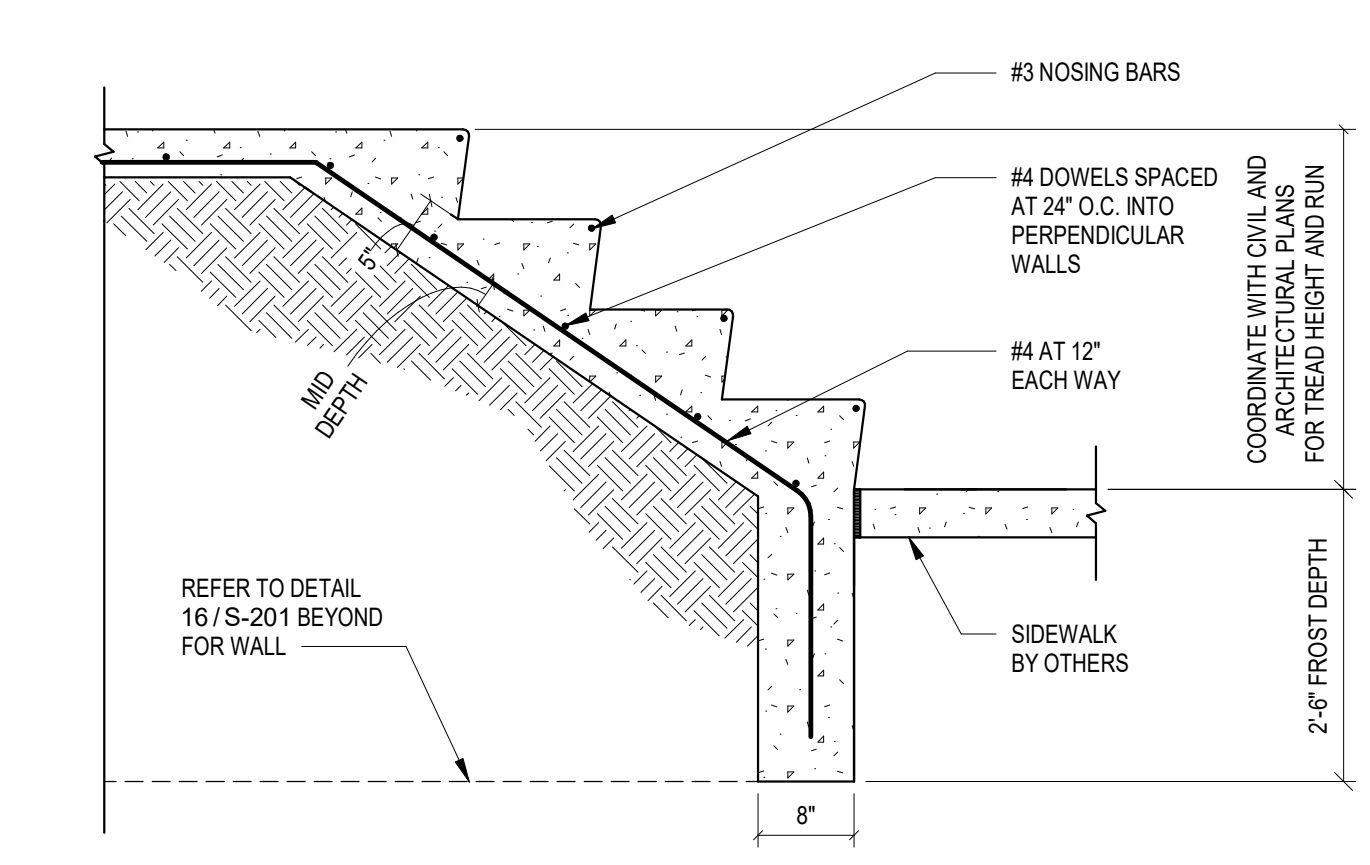
BUILDING 1 FIRST FLOOR FOUNDATION PLAN - AREA B

ROANOKE GATEWAY
ROANOKE, VA 24002

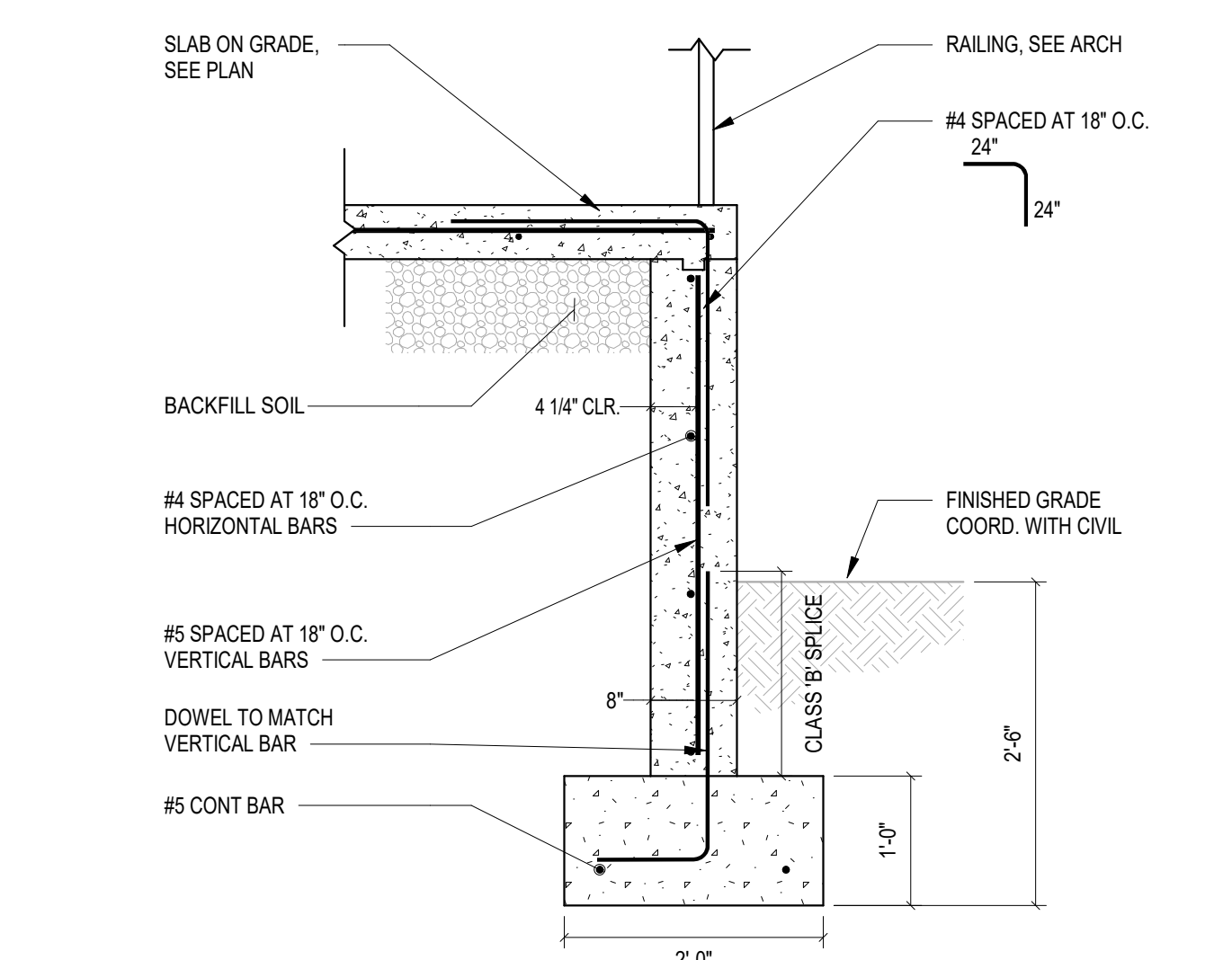
DATE	SUBMISSION / REVISION / A
01/15/2026	1/4% APPLICATION
06/30/2026	CONSTRUCTABILITY REVIEW

1S-101B

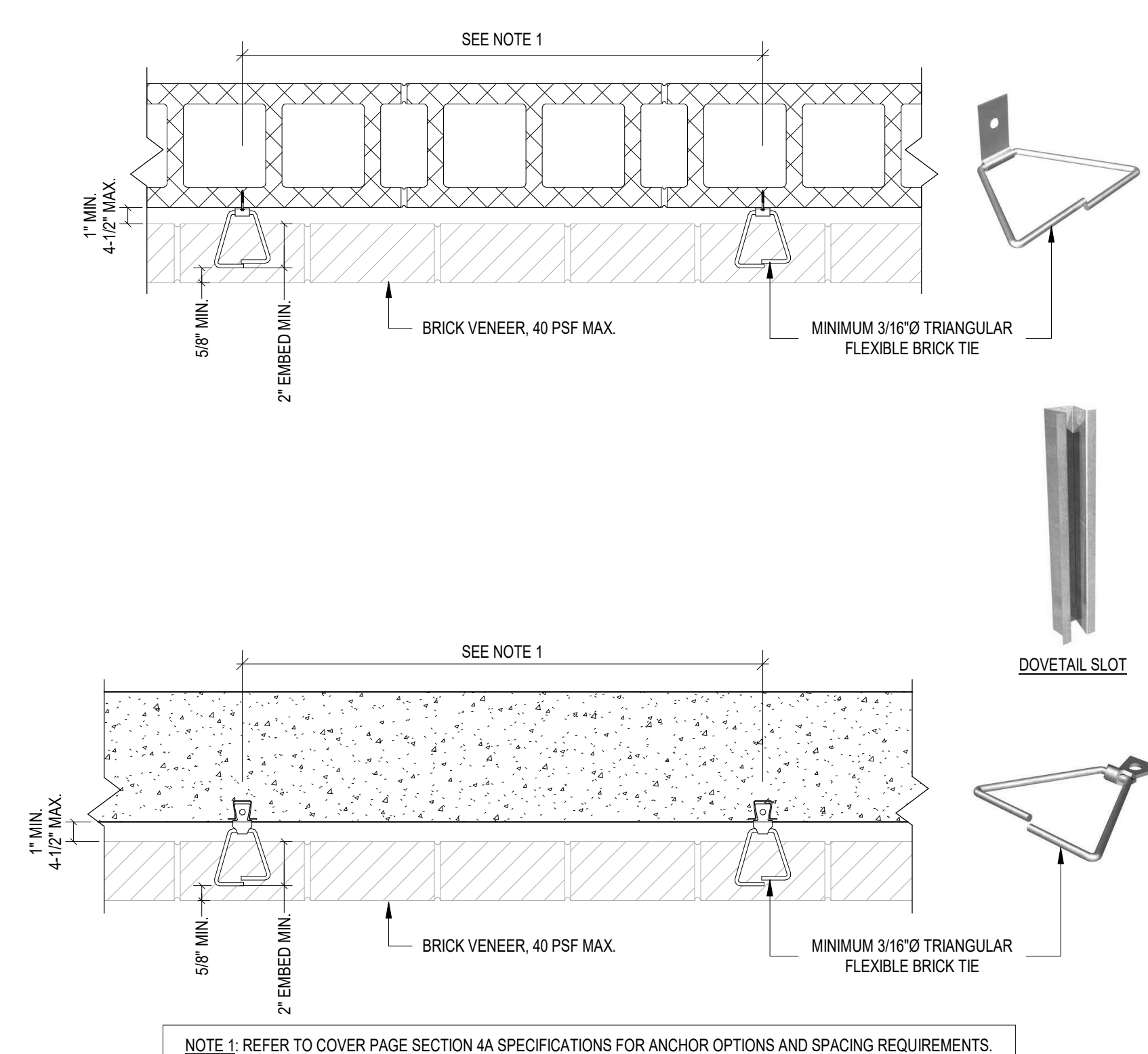
06/30/2026
CONSTRUCTABILITY REVIEW



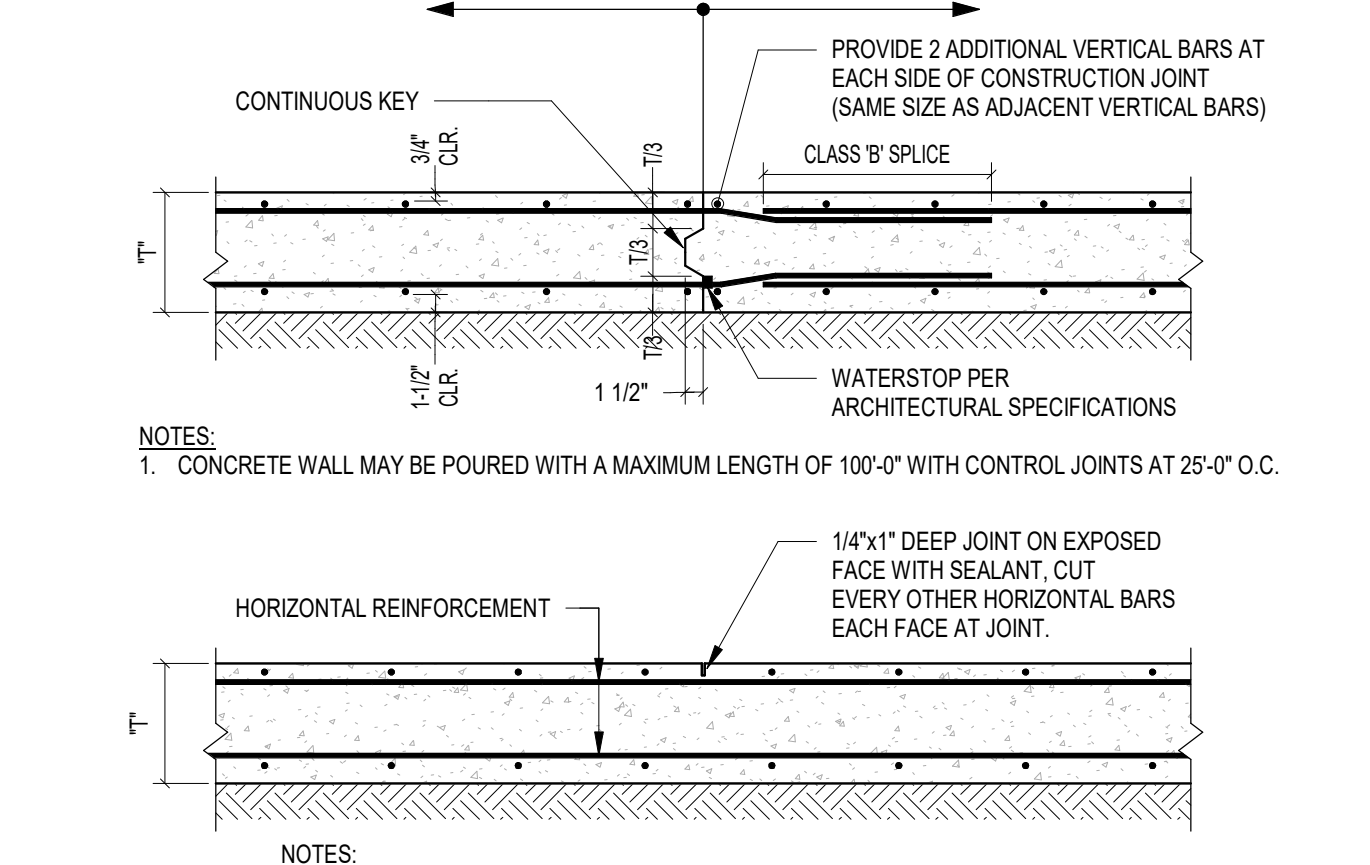
15 TYPICAL SOIL SUPPORTED STAIR
SCALE: N.T.S. 01.01.01



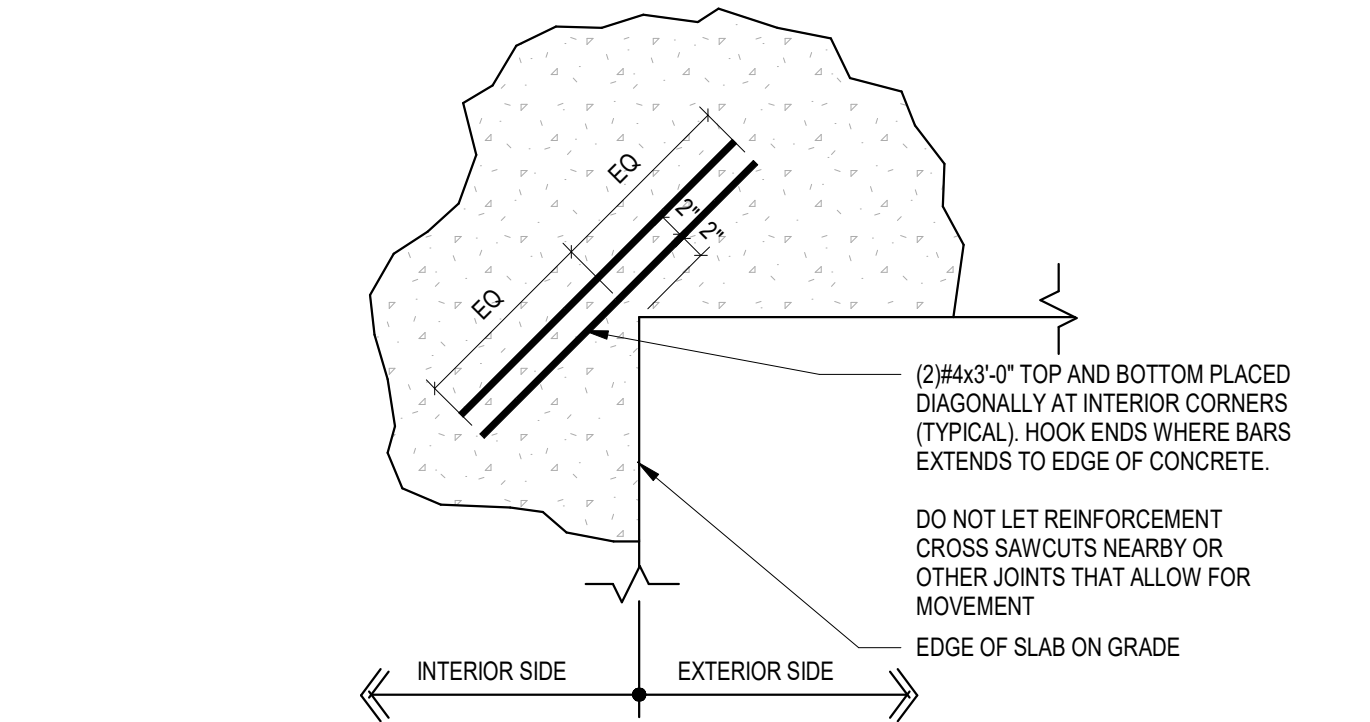
16 EXTERIOR BALCONY STAIR CROSS SECTION
SCALE: N.T.S.



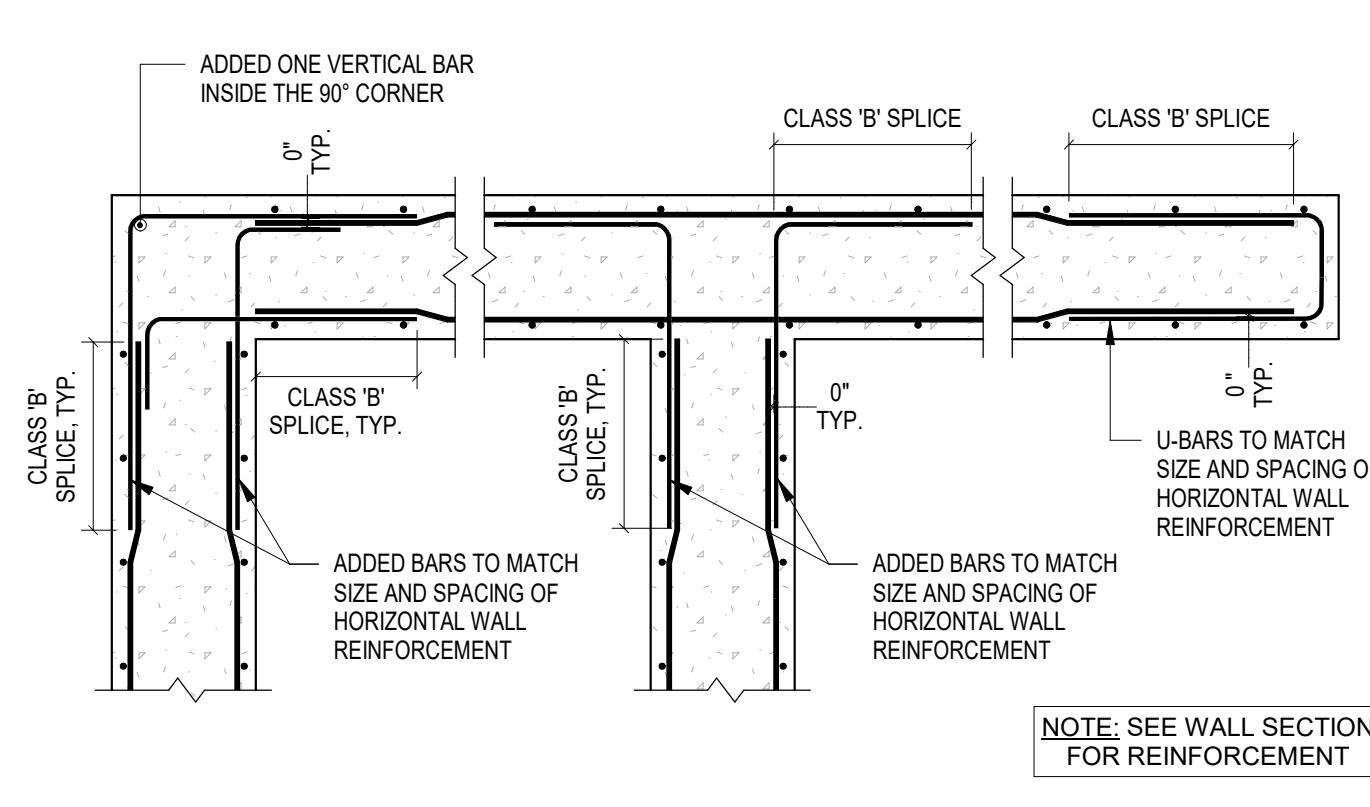
17 ADJUSTABLE BRICK ANCHOR - CONCRETE/CMU BACKUP
SCALE: N.T.S. 01.27.25



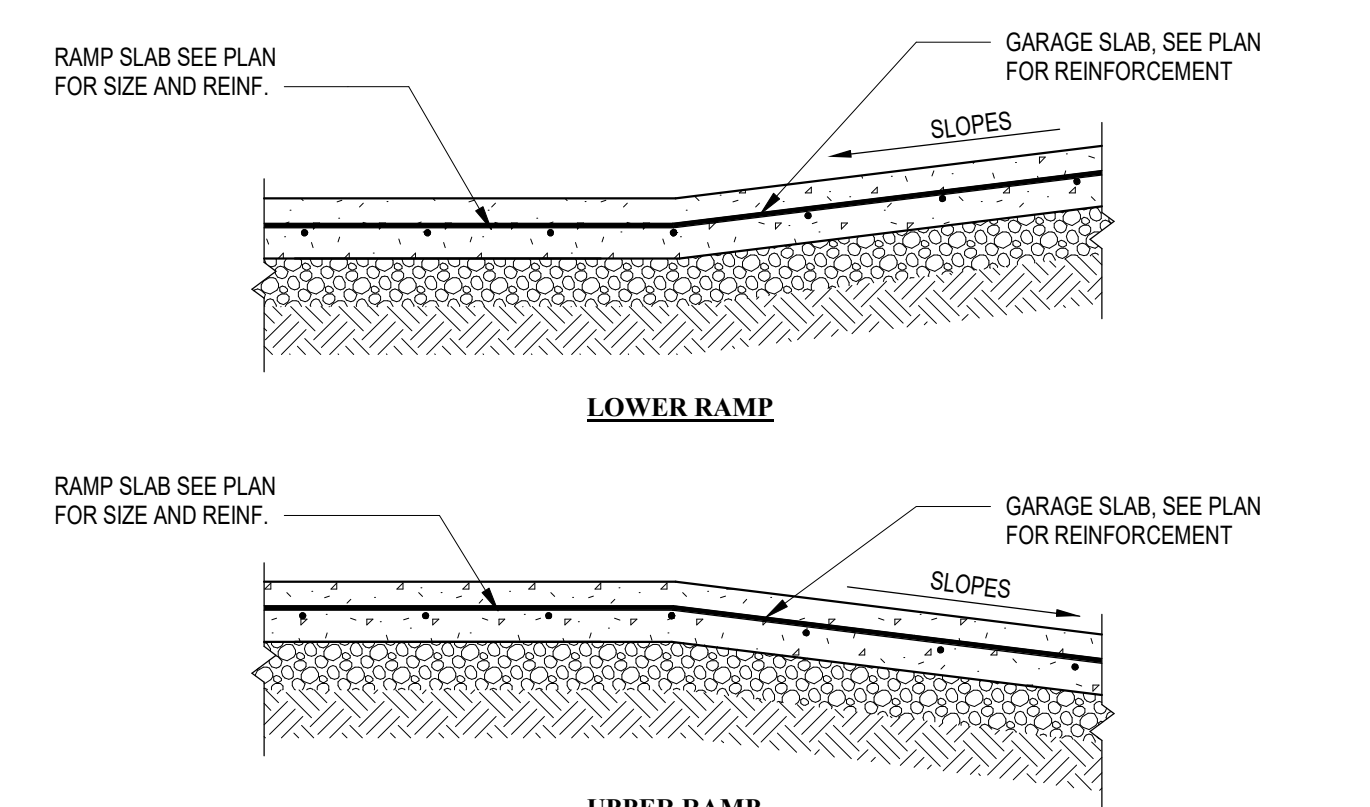
10 WALL CONSTRUCTION AND CONTROL JOINTS
SCALE: N.T.S. 06.06.24



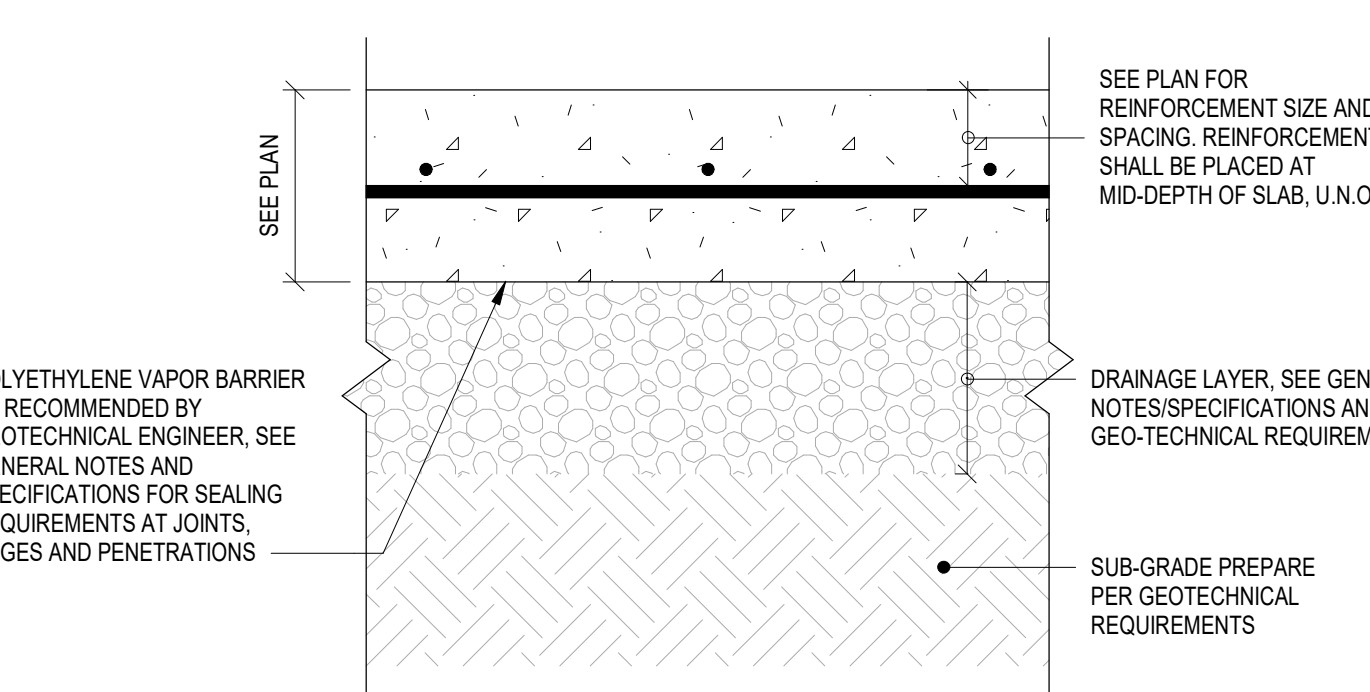
11 TYPICAL SLAB ON GRADE CORNER REINFORCING
SCALE: N.T.S. 06.16.25



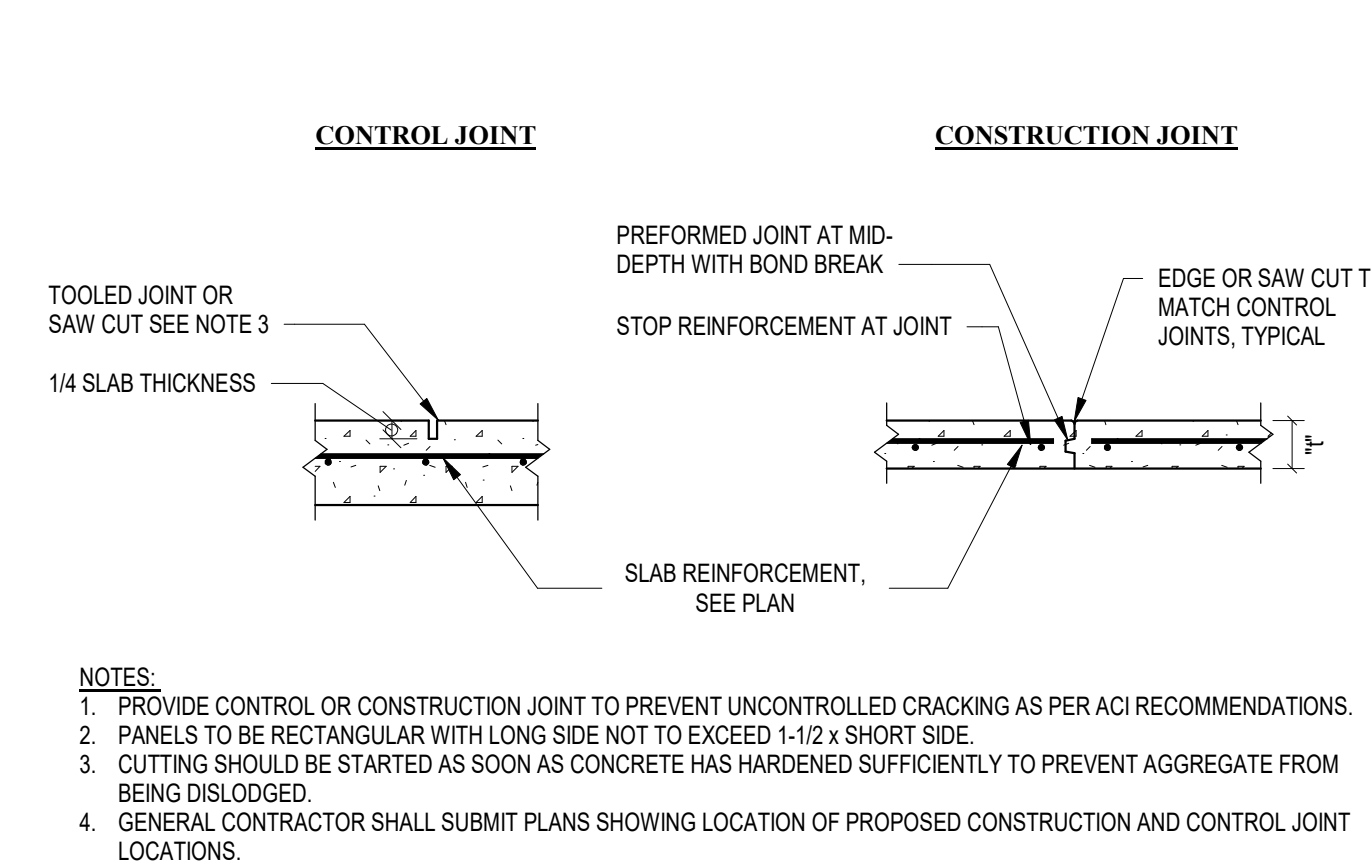
12 TYPICAL REINFORCING AT WALL CORNERS / ENDS
SCALE: N.T.S. 06.13.24



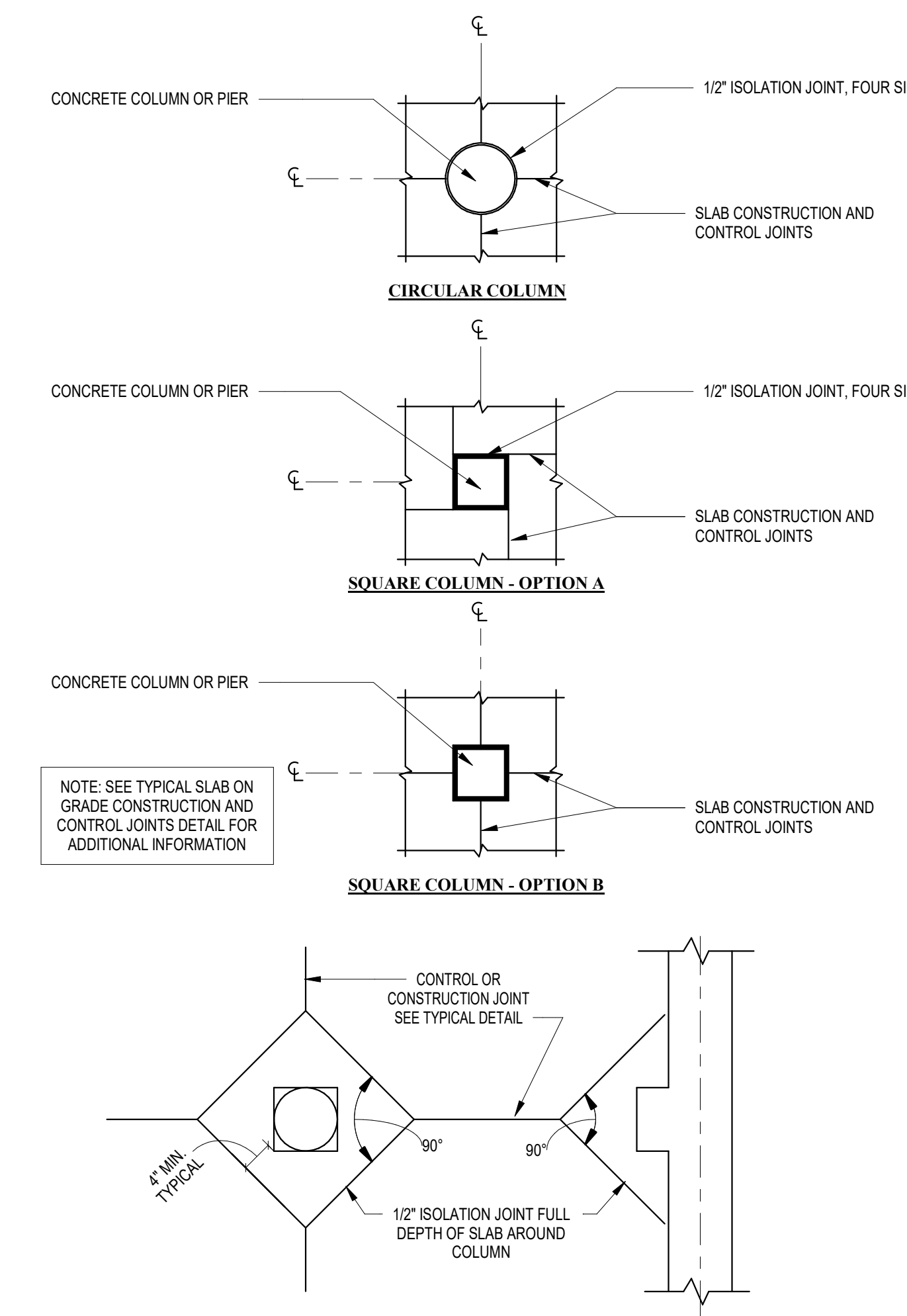
13 RAMP AT SLAB ON GRADE
SCALE: N.T.S. 05.16.19



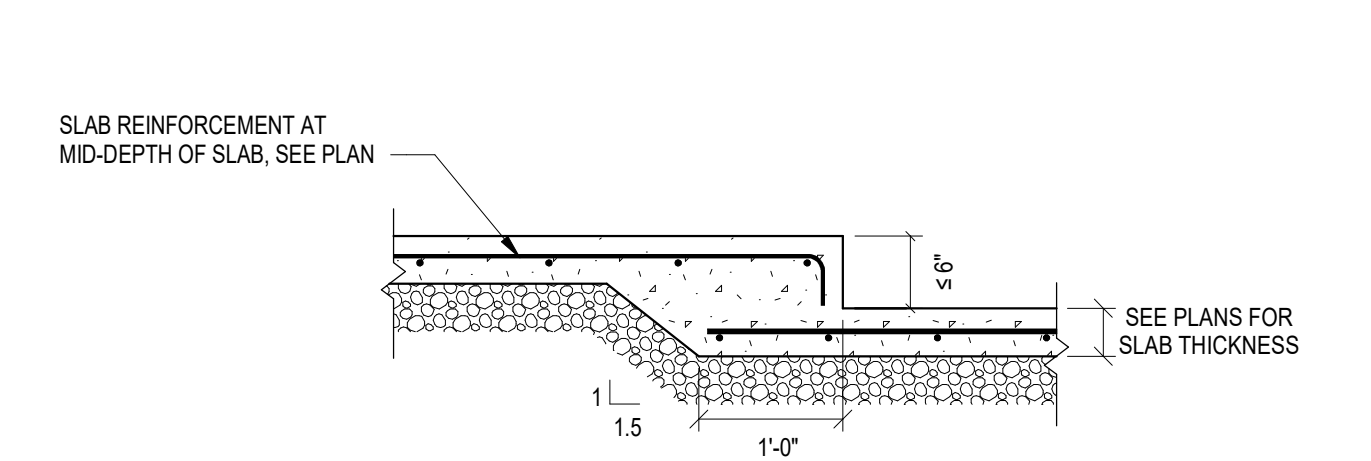
14 TYPICAL INTERIOR SLAB ON GRADE
SCALE: N.T.S. 05.25.22



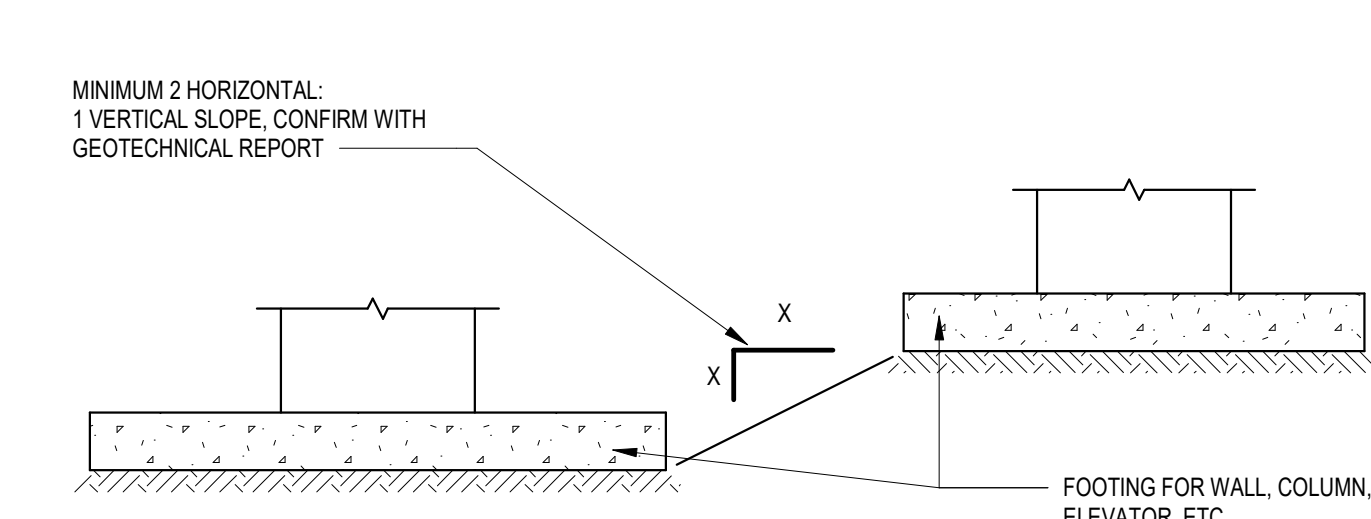
6 S.O.G. CONSTRUCTION AND CONTROL JOINTS
SCALE: N.T.S. 11.30.23



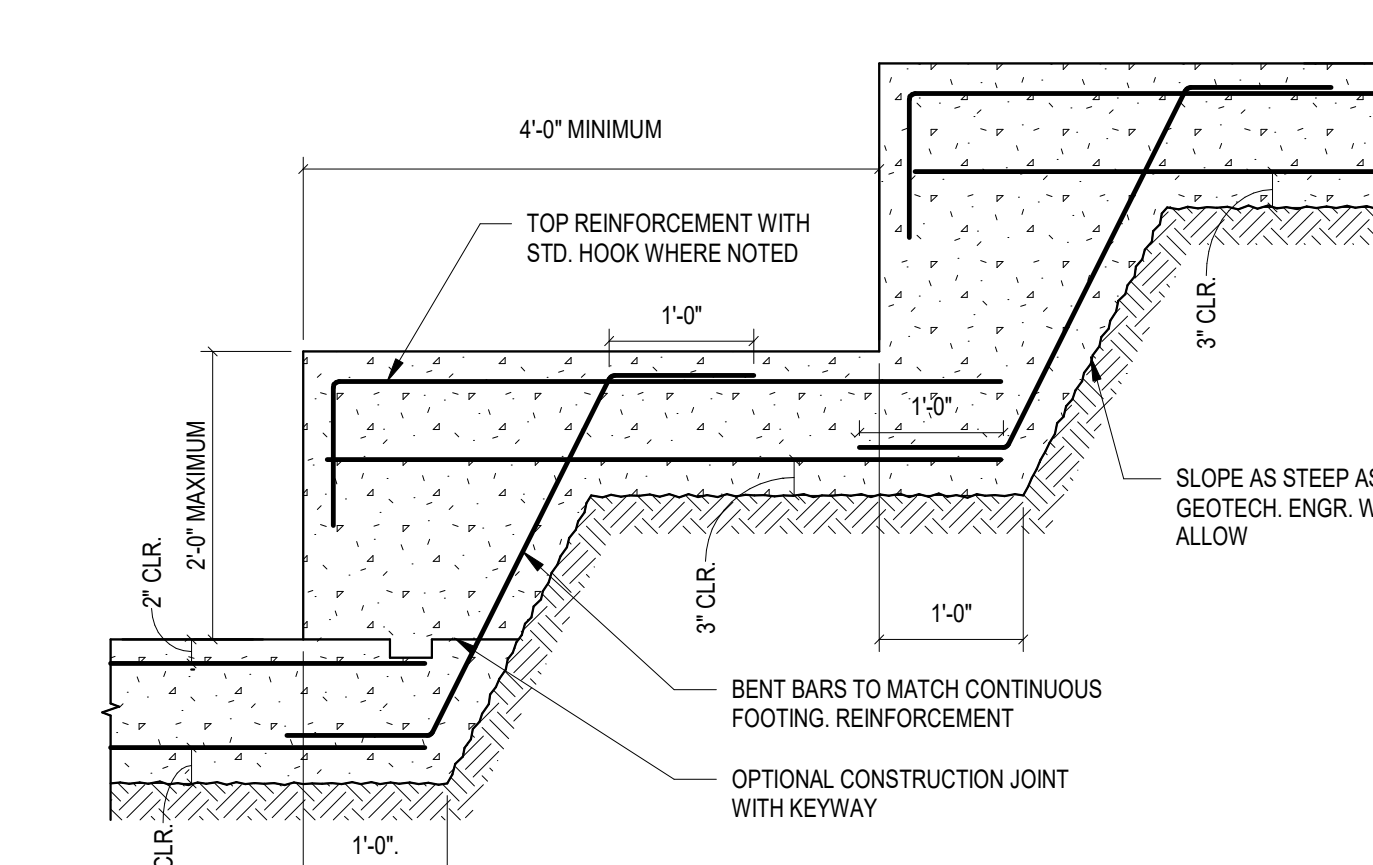
7 SLAB ON GRADE JOINTS AT COLUMNS AND WALLS
SCALE: N.T.S. 01.01.01



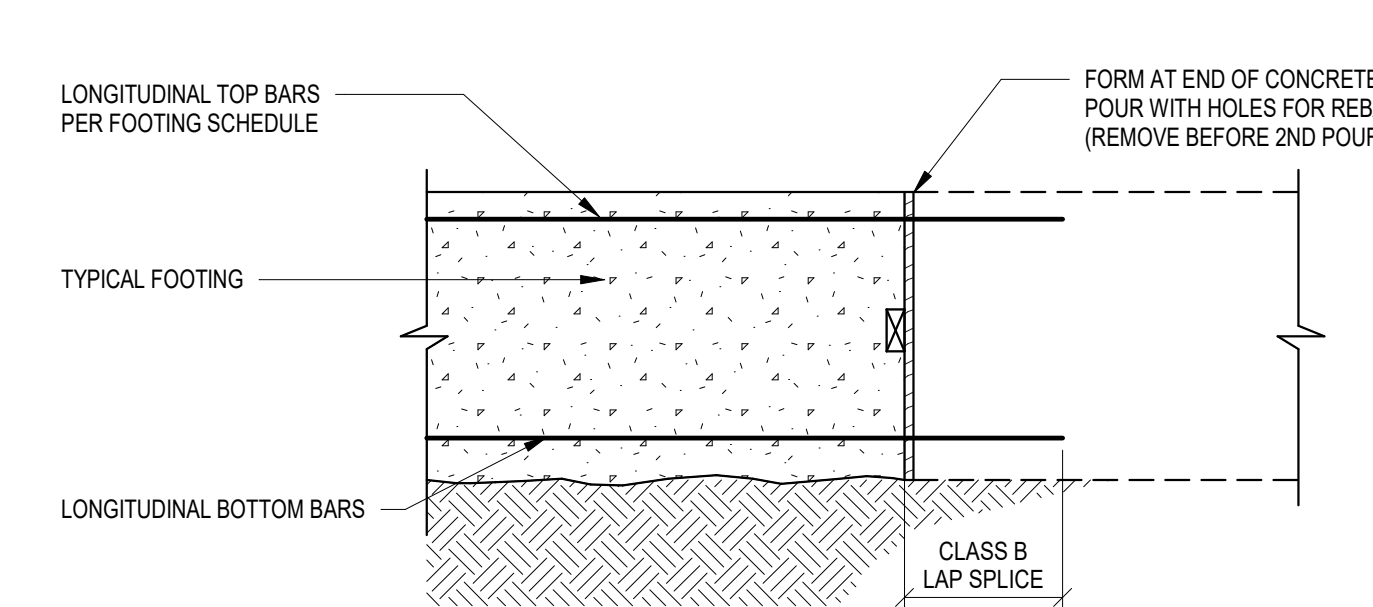
8 TYPICAL STEP AT SLAB ON GRADE
SCALE: N.T.S. 05.16.19



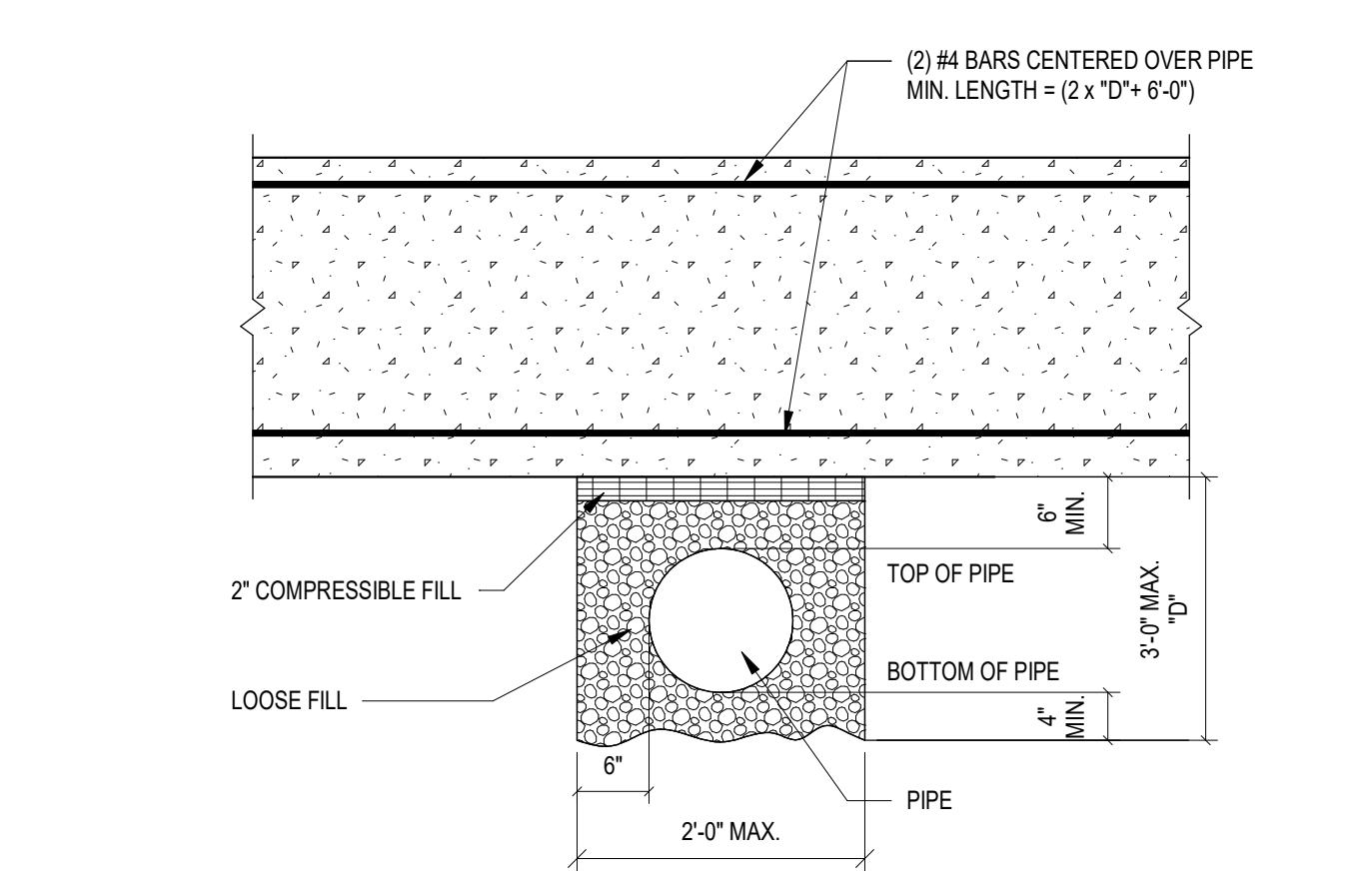
9 ADJACENT FOOTING AT ELEVATION CHANGE
SCALE: N.T.S. 01.01.01



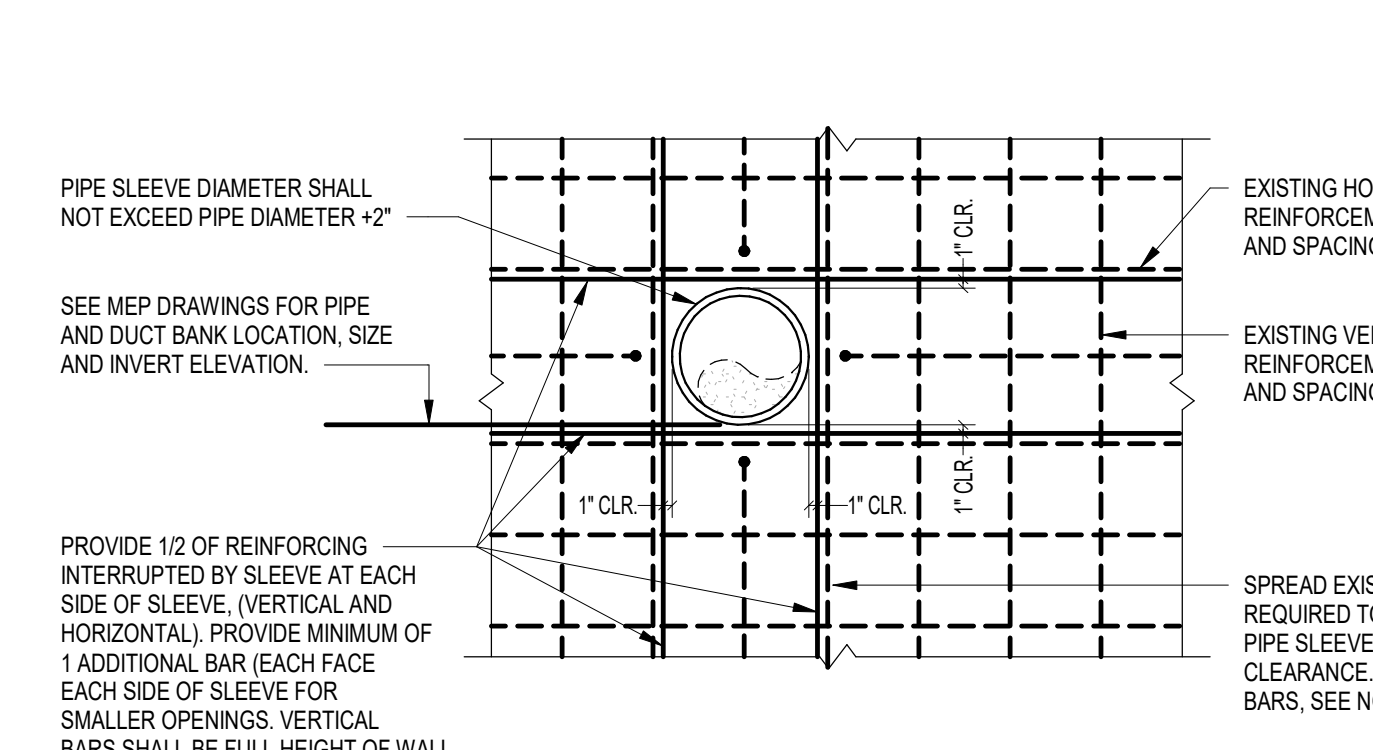
1 TYPICAL STEPPED FOOTING
SCALE: N.T.S. 01.01.01



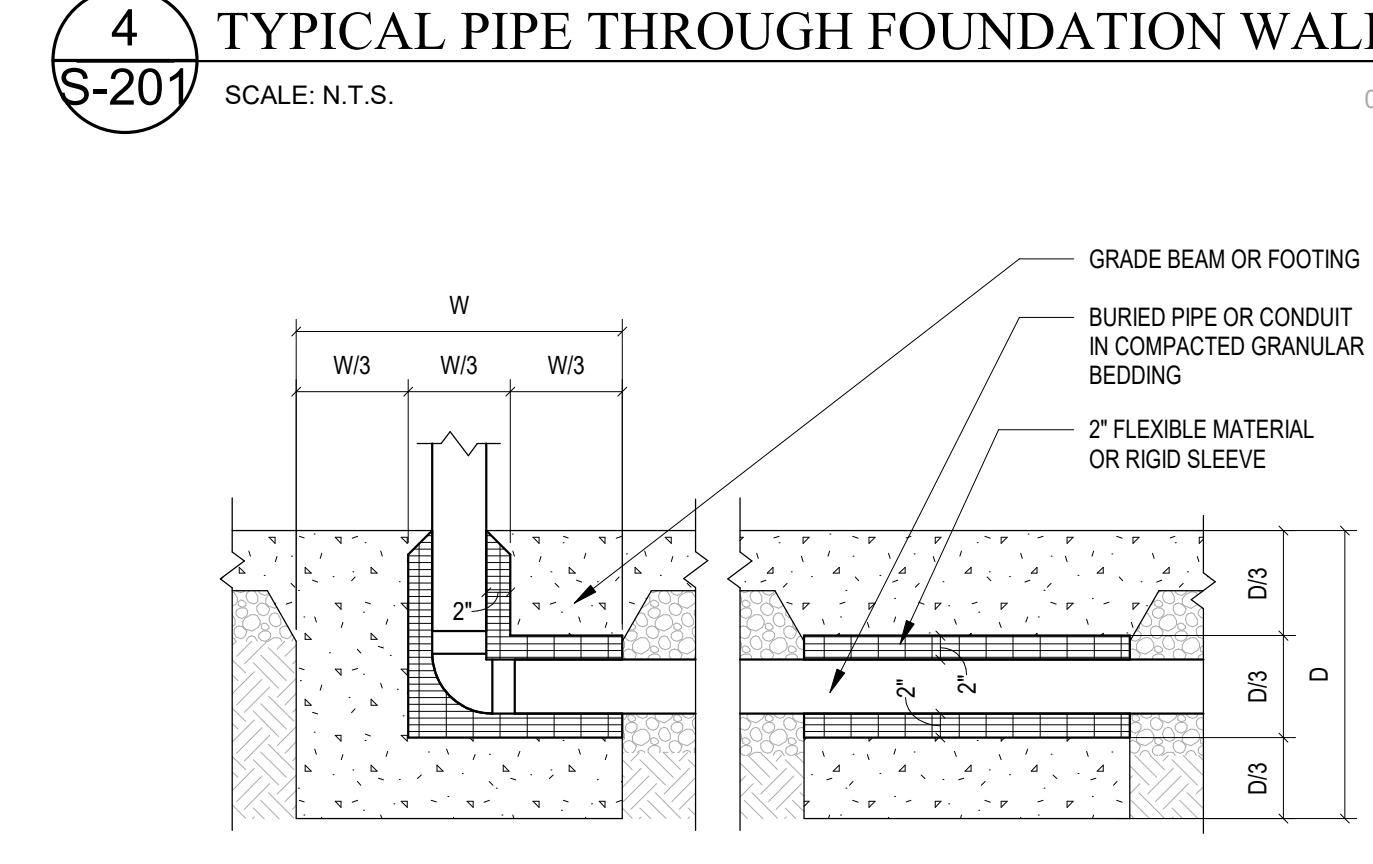
2 TYPICAL FOOTING CONSTRUCTION JOINT
SCALE: N.T.S. 01.06.21



3 TYPICAL PIPE UNDER FOOTING
SCALE: N.T.S. 01.01.01



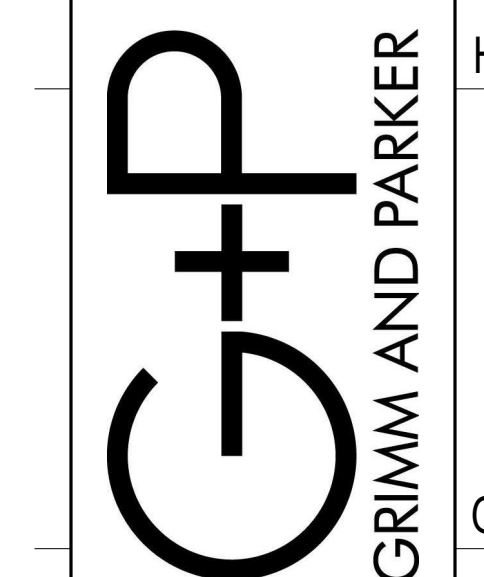
4 TYPICAL PIPE THROUGH FOUNDATION WALL
SCALE: N.T.S. 06.29.22



5 PIPE THRU INTERIOR FOOTING/GRADE BEAM
SCALE: N.T.S. 07.12.21



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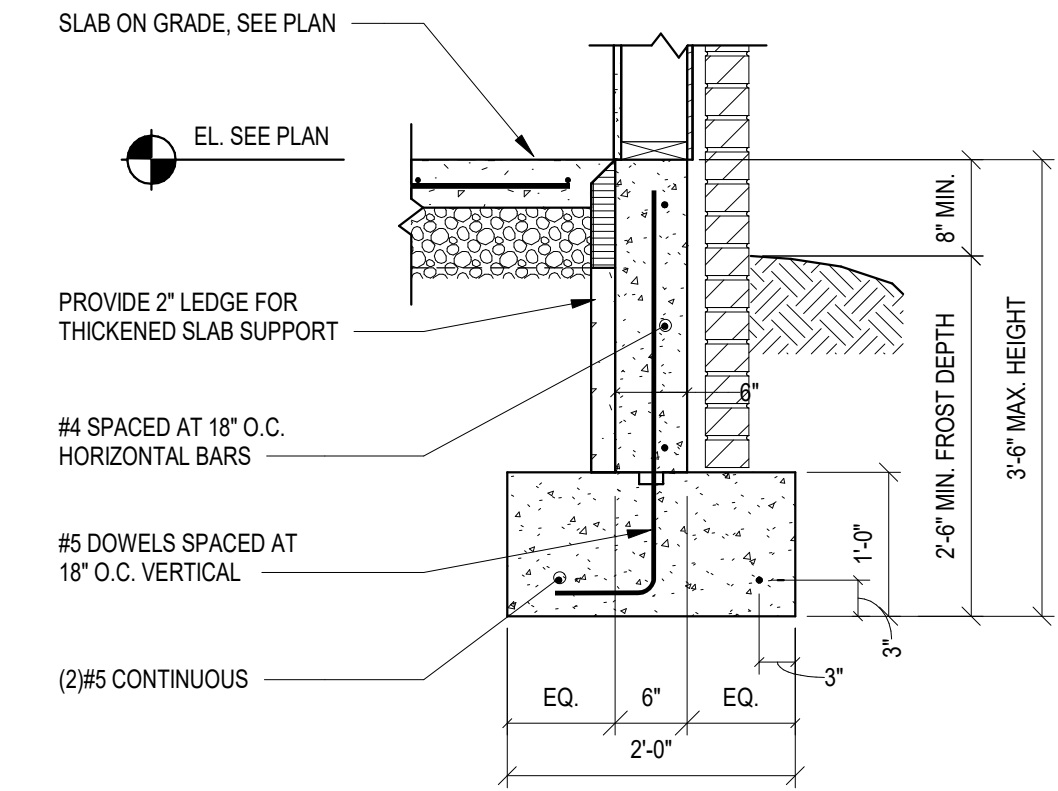


GP
#908-132-25

TYPICAL FOUNDATION DETAILS
ROANOKE GATEWAY
ROANOKE, VA 24022

DATE	SUBMISSION / REVISION / A
05/14/2026	1/4 4% HOTIC APP
06/30/2026	CONSTRUCTABILITY REVIEW

S-201
06/30/2026
CONSTRUCTABILITY REVIEW
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COORD. AIRSPACE WITH ARCH

2x PLATE, SEE WOOD BASE PLATE ATTACHMENT SCHEDULE ON S-402 FOR NAILING AND SPACING REQUIREMENTS.

AT UNIT SEP WALL

STUD WALL, SEE SCHEDULE

FOR SLAB ON GRADE REINFORCEMENT, SEE PLAN

1'-0"

1'-0"

(2) #4 CONTINUOUS

- NOTES:
1. "T" = SLAB THICKNESS. SEE PLAN
 2. THICKENED SLAB SUBGRADE SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER FOR ALLOWABLE BEARING CAPACITY AND SUBGRADE MODULUS JUST PRIOR TO PLACING CONCRETE. PROVIDE REPORT TO S.E.R. FOR REVIEW AND APPROVAL.
 3. SLAB THICKNESS IS BASED ON THE SOIL MODULUS AND THE DESIGN METHODS PROPOSED BY THE U.S. ARMY, DOCUMENT TM-5-809-12.

- NOTES:**
1. "T" = SLAB THICKNESS, SEE PLAN
 2. PLUMBING SLEEVES THROUGH BEAM ARE PERMITTED UP TO 4"Ø. FOR LARGER SIZES, NOTIFY S.E.R. FOR REVIEW AND APPROVAL. ARRANGE REINFORCEMENT AROUND SLEEVES.

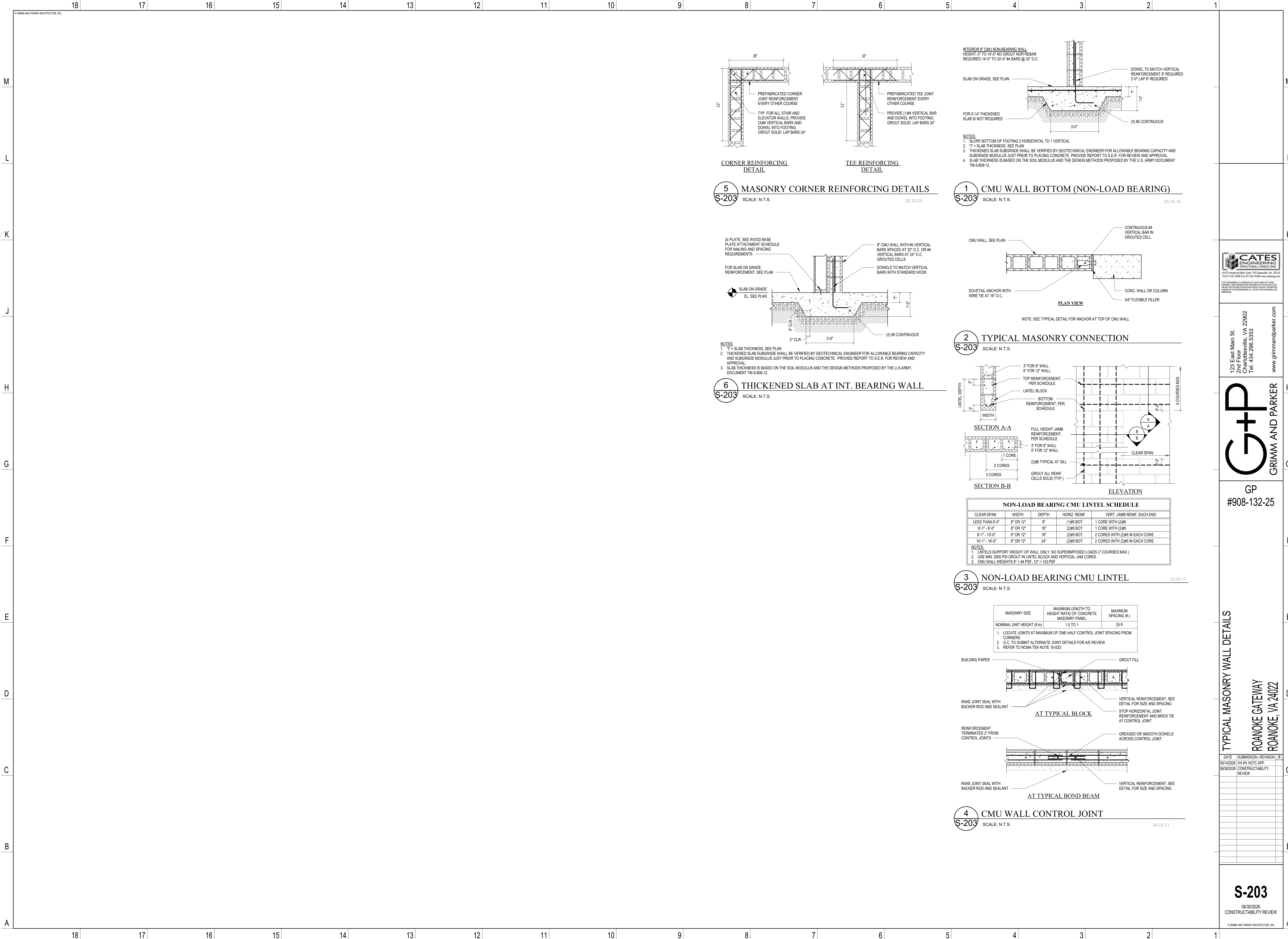
[illegible]

WALL HEIGHT		DIMENSIONS					
H	A	B	C	D	E	F	
UPTO 3'-6"	3'-0"	1'-0"	2'-0"	10"	T.O.W.	4'-0"	
3'-7" TO 5'-6"	4'-0"	1'-0"	3'-0"	12"	T.O.W.	6'-0"	
5'-7" TO 7'-6"	5'-0"	1'-0"	4'-0"	12"	3'-0"	8'-0"	

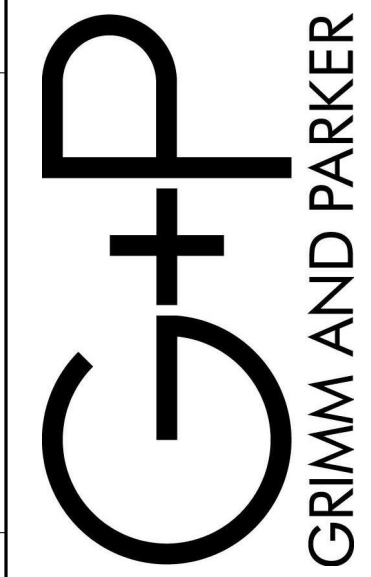
WALL HEIGHT		REINFORCING					
H	N	O	P				
UPTO 3'-6"	-	#5 @ 16"	#5 @ 16"	-	-	-	
3'-7" TO 5'-6"	-	#5 @ 12"	#5 @ 14"	-	-	-	
5'-7" TO 7'-6"	#5 @ 16"	#6 @ 14"	#5 @ 12"	-	-	-	

WALL HEIGHT		DIMENSIONS					
H	A	B	C	D	E	F	
UPTO 3'-6"	3'-0"	1'-0"	2'-0"	10"	T.O.W.	4'-0"	
3'-7" TO 5'-6"	4'-0"	1'-0"	3'-0"	12"	T.O.W.	6'-0"	
5'-7" TO 7'-6"	5'-0"	1'-0"	4'-0"	12"	3'-0"	8'-0"	

WALL HEIGHT		REINFORCING					
H	N	O	P				
UPTO 3'-6"	-	#5 @ 16"	#5 @ 16"	-	-	-	
3'-7" TO 5'-6"	-	#5 @ 12"	#5 @ 14"	-	-	-	
5'-7" TO 7'-6"	#5 @ 16"	#6 @ 14"	#5 @ 12"	-	-	-	



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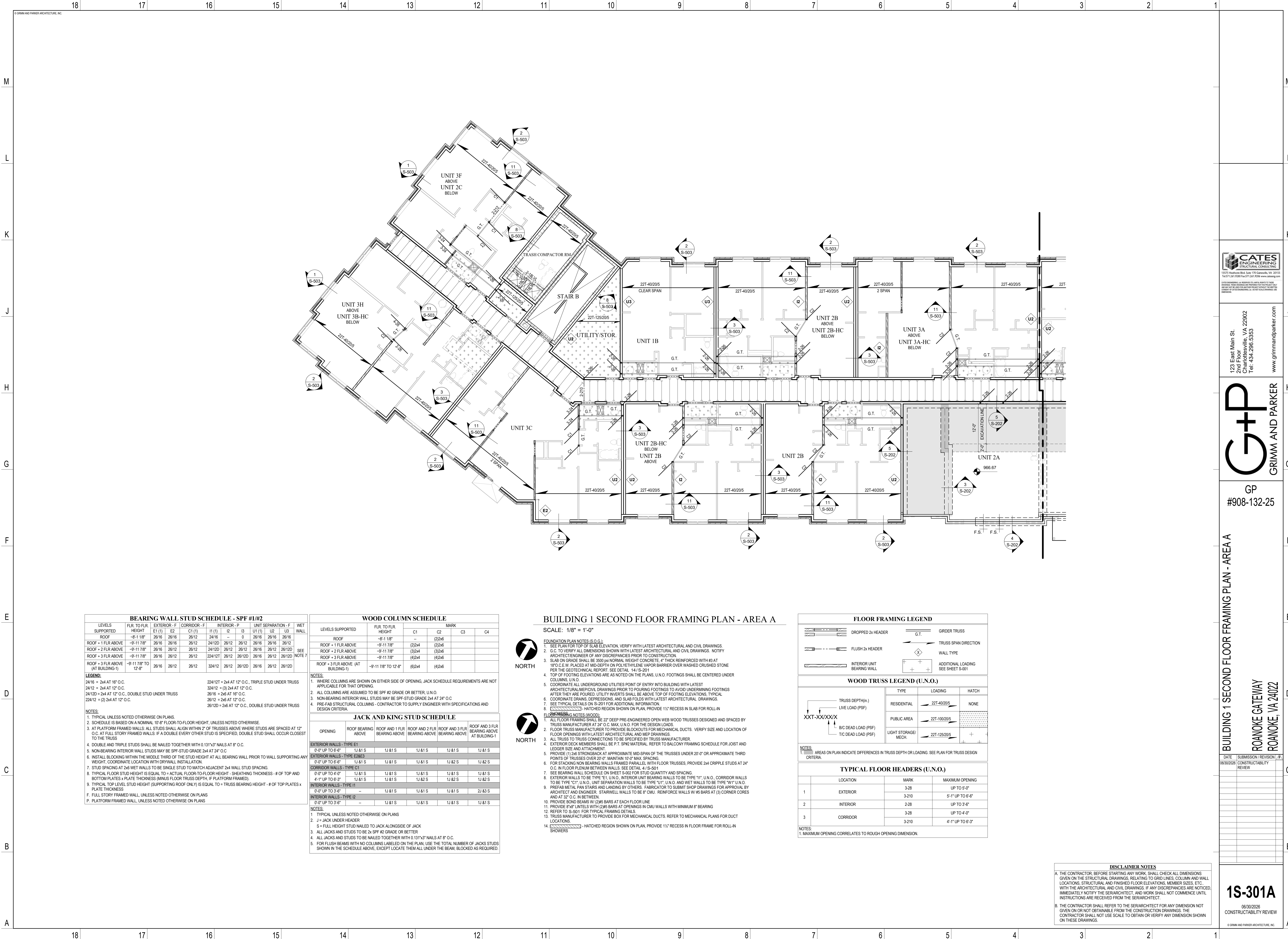


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#908-132-25

TYPICAL MASONRY WALL DETAILS
ROANOKE GATEWAY
ROANOKE, VA 24022

DATE	SUBMISSION / REVISION / A
05/14/2026	VH 4% HOTIC APP
06/30/2026	CONSTRUCTABILITY REVIEW

S-203
06/30/2026
CONSTRUCTABILITY REVIEW
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BEARING WALL STUD SCHEDULE - SPF #1/#2											
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	EXTERIOR - F	CORRIDOR - F	INTERIOR - P	UNIT SEPARATION - F	WET WALL					
		E1 (1)	E2	C1 (1)	I1 (1)	I2	I3	U1 (1)	U2	U3	
ROOF	-8'-11"8"	26/16	26/16	26/12	24/16	-	0	26/16	26/16	26/16	
ROOF + 1 FLR ABOVE	-9'-11"8"	26/16	26/16	26/12	24/120	26/12	26/16	26/16	26/12	26/12	SEE NOTE 7
ROOF + 2 FLR ABOVE	-9'-11"8"	26/16	26/12	26/12	24/120	26/12	26/16	26/12	26/12	26/120	
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11"8" TO 12'-8"	26/16	26/12	26/12	224/12T	26/12	26/120	26/16	26/12	26/120	
LEGEND:											
24/16 = 2x4 AT 16" O.C.		224/12T = 2x4 AT 12" O.C., TRIPLE STUD UNDER TRUSS									
24/12 = 2x4 AT 12" O.C.		334/12 = (3) 2x4 AT 12" O.C.									
24/120 = 2x4 AT 12" O.C., DOUBLE STUD UNDER TRUSS		26/16 = 2x6 AT 16" O.C.									
224/12 = (2) 2x4 AT 12" O.C.		26/12 = 2x6 AT 12" O.C., DOUBLE STUD UNDER TRUSS									
NOTES:											
1. TYPICAL UNLESS NOTED OTHERWISE ON PLANS.											
2. SCHEDULE IS BASED ON A NOMINAL 10'-0" FLOOR-TO-FLOOR HEIGHT, UNLESS NOTED OTHERWISE.											
3. AT PLATFORM FRAMED WALLS: ALL STUDS SHALL ALIGN WITHIN 2" OF TRUSSES ABOVE WHERE STUDS ARE SPACED AT 12" O.C. AT FULL STORY FRAMED WALLS: IF A DOUBLE EVERY OTHER STUD IS SPECIFIED, DOUBLE STUD SHALL OCCUR CLOSEST TO THE TRUSS.											
4. DOUBLE AND TRIPLE STUDS SHALL BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.											
5. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.											
6. INSTALL BLOCKING WITHIN THE MIDDLE THIRD OF THE STUD HEIGHT AT ALL BEARING WALL PRIOR TO WALL SUPPORTING ANY WEIGHT. COORDINATE LOCATION WITH DRYWALL INSTALLATION.											
7. STUD SPACING AT 2x6 WET WALLS TO BE SINGLE STUD TO MATCH ADJACENT 2x4 WALL STUD SPACING.											
8. TYPICAL FLOOR STUD HEIGHT IS EQUAL TO = ACTUAL FLOOR-TO-FLOOR HEIGHT - SHEATHING THICKNESS - # OF TOP AND BOTTOM PLATES x PLATE THICKNESS (MINUS FLOOR TRUSS DEPTH, IF PLATFORM FRAMED).											
9. TYPICAL TOP LEVEL STUD HEIGHT (SUPPORTING ROOF ONLY) IS EQUAL TO = TRUSS BEARING HEIGHT - # OF TOP PLATES x PLATE THICKNESS.											
F. FULL STORY FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS											
P. PLATFORM FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS											

WOOD COLUMN SCHEDULE						
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	C1	C2	C3	C4	MARK
ROOF	-8'-11 7/8"	-	(2)2x6			
ROOF + 1 FLR ABOVE	-9'-11 7/8"	(2)2x4	(2)2x6			
ROOF + 2 FLR ABOVE	-9'-11 7/8"	(3)2x4	(2)2x6			
ROOF + 3 FLR ABOVE	-9'-11 7/8"	(4)2x4	(4)2x6			
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11 7/8" TO 12'-8"	(6)2x4	(4)2x6			
NOTES:						
1. WHERE COLUMNS ARE SHOWN ON EITHER SIDE OF OPENING, JACK SCHEDULE REQUIREMENTS ARE NOT APPLICABLE FOR THAT OPENING.						
2. ALL COLUMNS ARE ASSUMED TO BE SPF #2 GRADE OR BETTER, U.N.O.						
3. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.						
4. PRE-FAB STRUCTURAL COLUMNS - CONTRACTOR TO SUPPLY ENGINEER WITH SPECIFICATIONS AND DESIGN CRITERIA.						
JACK AND KING STUD SCHEDULE						
OPENING	ROOF BEARING ABOVE	ROOF AND 1 FLR BEARING ABOVE	ROOF AND 2 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE (AT BUILDING-1)	
EXTERIOR WALLS - TYPE E1						
0'-0" UP TO 6'-6"	1J 81 S	1J 81 S	1J 81 S	1J 81 S	1J 81 S	
EXTERIOR WALLS - TYPE E2/E3						
0'-0" UP TO 6'-6"	1J 81 S	1J 81 S	1J 81 S	1J 82 S	1J 82 S	
CORRIDOR WALLS - TYPE C1						
0'-0" UP TO 4'-0"	1J 81 S	1J 81 S	1J 81 S	1J 81 S	1J 81 S	
4'-1" UP TO 6'-3"	1J 81 S	1J 81 S	1J 82 S	1J 82 S	1J 82 S	
INTERIOR WALLS - TYPE I1						
0'-0" UP TO 3'-6"	-	1J 81 S	1J 81 S	1J 81 S	2J 83 S	
INTERIOR WALLS - TYPE I2						
0'-0" UP TO 3'-6"	-	1J 81 S	1J 81 S	1J 81 S	1J 81 S	
NOTES:						
1. TYPICAL UNLESS NOTED OTHERWISE ON PLANS						
2. J = JACK UNDER HEADER						
S = FULL HEIGHT STUD NAILED TO JACK ALONGSIDE OF JACK						
3. ALL JACKS AND STUDS TO BE 2x SPF #2 GRADE OR BETTER						
4. ALL JACKS AND STUDS TO BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.						
5. FOR FLUSH BEAMS WITH NO COLUMNS LABELED ON THE PLAN, USE THE TOTAL NUMBER OF JACKS STUDS SHOWN IN THE SCHEDULE ABOVE, EXCEPT LOCATE THEM ALL UNDER THE BEAM, BLOCKED AS REQUIRED.						

BUILDING 1 SECOND FLOOR FRAMING PLAN - AREA A

SCALE: 1/8" = 1'-0"

- FOUNDATION PLAN NOTES (S.D.G.):
- SEE PLAN FOR TOP OF SLAB ELEVATION. VERIFY WITH LATEST ARCHITECTURAL AND CIVIL DRAWINGS.
 - G.C. TO VERIFY ALL DIMENSIONS SHOWN WITH LATEST ARCHITECTURAL AND CIVIL DRAWINGS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
 - SLAB ON GRADE SHALL BE 3500 psi NORMAL WEIGHT CONCRETE, 4" THICK REINFORCED WITH #3 AT 18" O.C. W/ PLACED AT MID-DEPTH ON POLYETHYLENE VAPOR BARRIER OVER WASHED CRUSHED STONE PER THE GEOTECHNICAL REPORT. SEE DETAIL 14/S-201.
 - TOP OF FOOTING ELEVATIONS ARE AS NOTED ON THE PLANS, U.N.O. FOOTINGS SHALL BE CENTERED UNDER COLUMNS, U.N.O.
 - COORDINATE ALL UNDERGROUND UTILITIES POINT OF ENTRY INTO BUILDING WITH LATEST ARCHITECTURAL/MEP/CIVIL DRAWINGS PRIOR TO POURING FOOTINGS TO AVOID UNDERMINING FOOTINGS AFTER THEY ARE POURED. UTILITY INVERTS SHALL BE ABOVE TOP OF FOOTING ELEVATIONS, TYPICAL.
 - COORDINATE DRAINS, DEPRESSIONS, AND SLAB FOLDS WITH LATEST ARCHITECTURAL DRAWINGS.
 - SEE TYPICAL DETAILS ON S-201 FOR ADDITIONAL INFORMATION.
 - HATCHED REGION SHOWN ON PLAN, PROVIDE 1 1/2" RECESS IN SLAB FOR ROLL-IN SHOWERS.

- FLOOR FRAMING NOTES (WOOD):
- ALL FLOOR FRAMING SHALL BE 22" DEEP PRE-ENGINEERED OPEN WEB WOOD TRUSSES DESIGNED AND SPACED BY TRUSS MANUFACTURER AT 24" O.C. MAX. U.N.O. FOR THE DESIGN LOADS.
 - FLOOR TRUSS MANUFACTURER TO PROVIDE BLOCKOUTS FOR MECHANICAL DUCTS. VERIFY SIZE AND LOCATION OF FLOOR OPENINGS WITH LATEST ARCHITECTURAL AND MEP DRAWINGS.
 - ALL TRUSS TO TRUSS CONNECTIONS TO BE SPECIFIED BY TRUSS MANUFACTURER.
 - EXTERIOR DECK MEMBERS SHALL BE P.T. SPK MATERIAL. REFER TO BALCONY FRAMING SCHEDULE FOR JOIST AND LEDGER SIZE AND ATTACHMENT.
 - PROVIDE (1) 2x6 STRONGBACK AT APPROXIMATE MID-SPAN OF THE TRUSSES UNDER 20'-0" OR APPROXIMATE THIRD POINTS OF TRUSSES OVER 20'-0". MAINTAIN 10'-0" MAX. SPACING.
 - FOR STACKING NON-BEARING WALLS FRAMED PARALLEL WITH FLOOR TRUSSES, PROVIDE 2x4 CRIPPLE STUDS AT 24" O.C. IN FLOOR PLENUM BETWEEN WALLS. SEE DETAIL 4/S-501.
 - SEE BEARING WALL SCHEDULE ON SHEET S-502 FOR STUD QUANTITY AND SPACING.
 - EXTERIOR WALLS TO BE TYPE "E1", U.N.O. INTERIOR UNIT BEARING WALLS TO BE TYPE "I1", U.N.O. CORRIDOR WALLS TO BE TYPE "C1", U.N.O. UNIT SEPARATION WALLS TO BE TYPE "U1", U.N.O. AND WET WALLS TO BE TYPE "W1" U.N.O.
 - PRE-FAB METAL PAN STAIRS AND LANDING BY OTHERS: FABRICATOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY ARCHITECT AND ENGINEER. STAIRWELL WALLS TO BE 8" CMU. REINFORCE WALLS W/ #5 BARS AT (3) CORNER CORES AND AT 32" O.C. IN BETWEEN.
 - PROVIDE BOND BEAMS W/ (2) #5 BARS AT EACH FLOOR LINE.
 - PROVIDE 8"x8" UNTELS WITH (2) #5 BARS AT OPENINGS IN CMU WALLS WITH MINIMUM 6" BEARING.
 - REFER TO S-501 FOR TYPICAL FRAMING DETAILS.
 - TRUSS MANUFACTURER TO PROVIDE BOX FOR MECHANICAL DUCTS. REFER TO MECHANICAL PLANS FOR DUCT LOCATIONS.
 - HATCHED REGION SHOWN ON PLAN, PROVIDE 1 1/2" RECESS IN FLOOR FRAME FOR ROLL-IN SHOWERS.

FLOOR FRAMING LEGEND			
	DROPPED 2x HEADER		GIRDER TRUSS
	FLUSH 2x HEADER		TRUSS SPAN DIRECTION
	INTERIOR UNIT BEARING WALL		WALL TYPE
			ADDITIONAL LOADING SEE SHEET S-501
WOOD TRUSS LEGEND (U.N.O.)			
	TYPE	LOADING	HATCH
	RESIDENTIAL	22T-40/20/5	NONE
	PUBLIC AREA	22T-100/20/5	
	LIGHT STORAGE/MECH.	22T-125/20/5	
NOTES:			
1. AREAS ON PLAN INDICATE DIFFERENCES IN TRUSS DEPTH OR LOADING. SEE PLAN FOR TRUSS DESIGN CRITERIA.			
TYPICAL FLOOR HEADERS (U.N.O.)			
	LOCATION	MARK	MAXIMUM OPENING
1	EXTERIOR	3-28	UP TO 5'-0"
		3-210	5'-1" UP TO 6'-6"
2	INTERIOR	2-28	UP TO 3'-6"
		3-28	UP TO 4'-0"
3	CORRIDOR	3-210	4'-1" UP TO 6'-3"
NOTES:			
1. MAXIMUM OPENING CORRELATES TO ROUGH OPENING DIMENSION.			

DISCLAIMER NOTES

A. THE CONTRACTOR, BEFORE STARTING ANY WORK, SHALL CHECK ALL DIMENSIONS GIVEN ON THE STRUCTURAL DRAWINGS, RELATING TO GRID LINES, COLUMN AND WALL LOCATIONS, STRUCTURAL AND FINISHED FLOOR ELEVATIONS, MEMBER SIZES, ETC., WITH THE ARCHITECTURAL AND CIVIL DRAWINGS. IF ANY DISCREPANCIES ARE NOTICED, IMMEDIATELY NOTIFY THE SER/ARCHITECT, AND WORK SHALL NOT COMMENCE UNTIL INSTRUCTIONS ARE RECEIVED FROM THE SER/ARCHITECT.

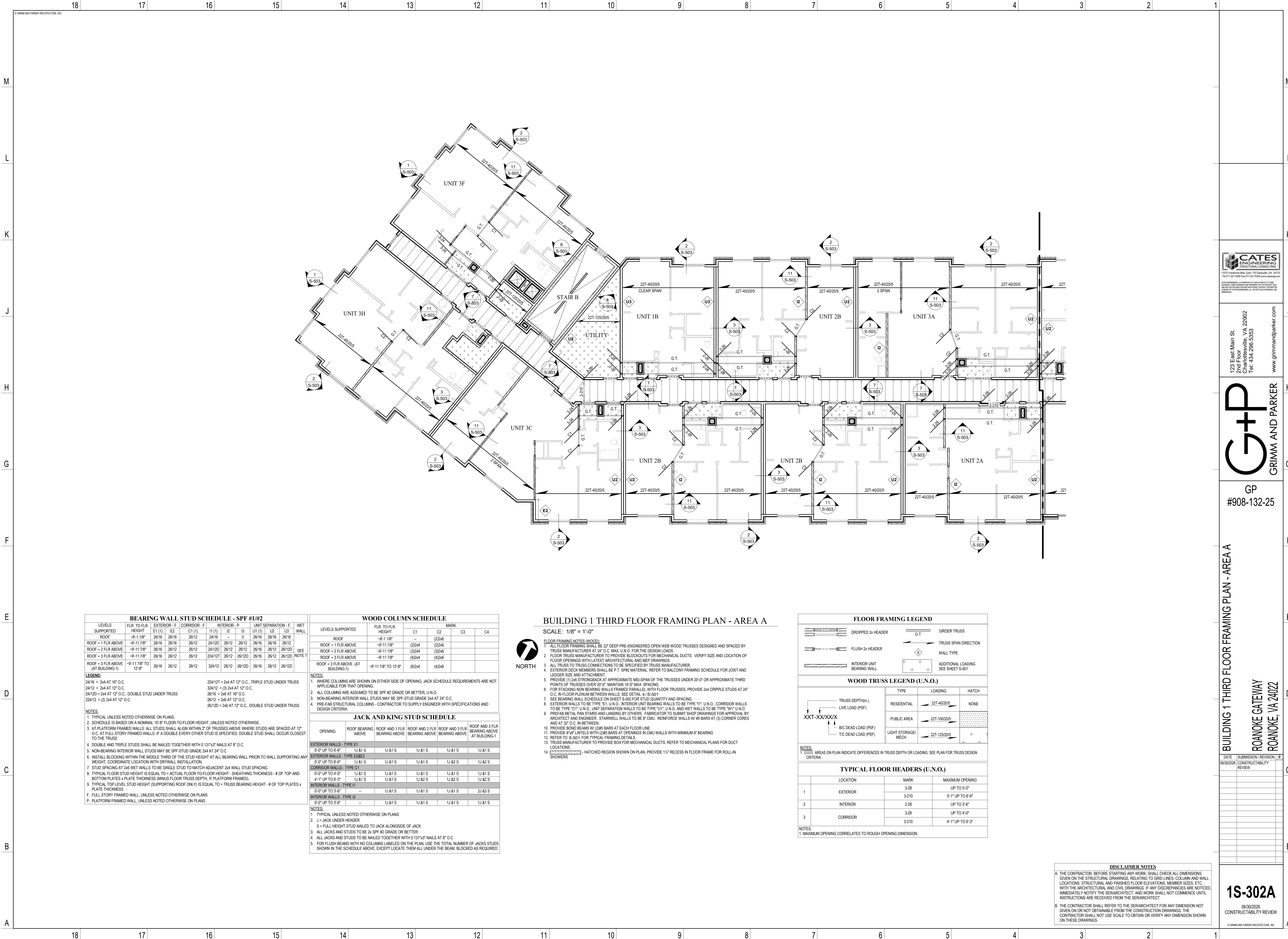
B. THE CONTRACTOR SHALL REFER TO THE SER/ARCHITECT FOR ANY DIMENSION NOT GIVEN ON OR NOT OBTAINABLE FROM THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THESE DRAWINGS.

1S-301A

06/30/2026
CONSTRUCTABILITY REVIEW

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BEARING WALL STUD SCHEDULE - SPF #1/#2											
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	EXTERIOR - F	CORRIDOR - F	INTERIOR - P	UNIT SEPARATION - F	WET WALL					
ROOF	-8'-11 7/8"	26/16	26/16	26/12	24/16	0	26/16	26/16	26/16		
ROOF + 1 FLR ABOVE	-9'-11 7/8"	26/16	26/16	26/12	24/120	26/12	26/16	26/16	26/12		
ROOF + 2 FLR ABOVE	-9'-11 7/8"	26/16	26/12	26/12	24/120	26/12	26/16	26/12	26/120	SEE NOTE 7	
ROOF + 3 FLR ABOVE	-9'-11 7/8"	26/16	26/12	26/12	224/12T	26/120	26/16	26/12	26/120		
ROOF + 3 FLR ABOVE (AT BUILDING J)	-9'-11 7/8" TO 12'-8"	26/16	26/12	26/12	324/12	26/12	26/120	26/16	26/12	26/120	
LEGEND:											
24/16 = 2x4 AT 16" O.C.				224/12T = 2x4 AT 12" O.C., TRIPLE STUD UNDER TRUSS							
24/12 = 2x4 AT 12" O.C.				324/12 = (3) 2x4 AT 12" O.C.							
24/120 = 2x4 AT 12" O.C., DOUBLE STUD UNDER TRUSS				26/16 = 2x6 AT 16" O.C.							
224/12 = (2) 2x4 AT 12" O.C.				26/12 = 2x6 AT 12" O.C., DOUBLE STUD UNDER TRUSS							
NOTES:											
1. TYPICAL, UNLESS NOTED OTHERWISE ON PLANS.											
2. SCHEDULE IS BASED ON A NOMINAL 10'-0" FLOOR-TO-FLOOR HEIGHT, UNLESS NOTED OTHERWISE.											
3. AT PLATFORM FRAMED WALLS: ALL STUDS SHALL ALIGN WITHIN 2" OF TRUSSES ABOVE WHERE STUDS ARE SPACED AT 12" O.C. AT FULL STORY FRAMED WALLS: IF A DOUBLE EVERY OTHER STUD IS SPECIFIED, DOUBLE STUD SHALL OCCUR CLOSEST TO THE TRUSS.											
4. DOUBLE AND TRIPLE STUDS SHALL BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.											
5. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.											
6. INSTALL BLOCKING WITHIN THE MIDDLE THIRD OF THE STUD HEIGHT AT ALL BEARING WALL PRIOR TO WALL SUPPORTING ANY WEIGHT, COORDINATE LOCATION WITH DRYWALL INSTALLATION.											
7. STUD SPACING AT 2x6 WET WALLS TO BE SINGLE STUD TO MATCH ADJACENT 2x4 WALL STUD SPACING.											
8. TYPICAL FLOOR STUD HEIGHT IS EQUAL TO = ACTUAL FLOOR-TO-FLOOR HEIGHT - SHEATHING THICKNESS - # OF TOP AND BOTTOM PLATES x PLATE THICKNESS (MINUS FLOOR TRUSS DEPTH, IF PLATFORM FRAMED).											
9. TYPICAL TOP LEVEL STUD HEIGHT (SUPPORTING ROOF ONLY) IS EQUAL TO = TRUSS BEARING HEIGHT - # OF TOP PLATES x PLATE THICKNESS											
F. FULL STORY FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS											
P. PLATFORM FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS											

WOOD COLUMN SCHEDULE						
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	C1	C2	C3	C4	
ROOF	-8'-11 7/8"	--	(2)2x6			
ROOF + 1 FLR ABOVE	-9'-11 7/8"	(2)2x4	(2)2x6			
ROOF + 2 FLR ABOVE	-9'-11 7/8"	(3)2x4	(2)2x6			
ROOF + 3 FLR ABOVE	-9'-11 7/8"	(4)2x4	(4)2x6			
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11 7/8" TO 12'-8"	(6)2x4	(4)2x6			
NOTES:						
1. WHERE COLUMNS ARE SHOWN ON EITHER SIDE OF OPENING, JACK SCHEDULE REQUIREMENTS ARE NOT APPLICABLE FOR THAT OPENING.						
2. ALL COLUMNS ARE ASSUMED TO BE SPF #2 GRADE OR BETTER, U.N.O.						
3. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.						
4. PRE-FAB STRUCTURAL COLUMNS - CONTRACTOR TO SUPPLY ENGINEER WITH SPECIFICATIONS AND DESIGN CRITERIA.						
JACK AND KING STUD SCHEDULE						
OPENING	ROOF BEARING ABOVE	ROOF AND 1 FLR BEARING ABOVE	ROOF AND 2 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE AT BUILDING-1	
EXTERIOR WALLS - TYPE E1						
0'-0" UP TO 6'-6"	1J 81 S	1J 81 S	1J 81 S	1J 81 S	1J 81 S	
EXTERIOR WALLS - TYPE E2&E3						
0'-0" UP TO 6'-6"	1J 81 S	1J 81 S	1J 81 S	1J 82 S	1J 82 S	
CORRIDOR WALLS - TYPE C1						
0'-0" UP TO 4'-0"	1J 81 S	1J 81 S	1J 81 S	1J 81 S	1J 81 S	
4'-1" UP TO 6'-3"	1J 81 S	1J 81 S	1J 82 S	1J 82 S	1J 82 S	
INTERIOR WALLS - TYPE I1						
0'-0" UP TO 3'-6"	--	1J 81 S	1J 81 S	1J 81 S	2J 83 S	
INTERIOR WALLS - TYPE I2						
0'-0" UP TO 3'-6"	--	1J 81 S	1J 81 S	1J 81 S	1J 81 S	
NOTES:						
1. TYPICAL, UNLESS NOTED OTHERWISE ON PLANS						
2. J = JACK UNDER HEADER						
S = FULL HEIGHT STUD NAILED TO JACK ALONGSIDE OF JACK						
3. ALL JACKS AND STUDS TO BE 2x4 SPF #2 GRADE OR BETTER						
4. ALL JACKS AND STUDS TO BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.						
5. FOR FLUSH BEAMS WITH NO COLUMNS LABELED ON THE PLAN, USE THE TOTAL NUMBER OF JACKS STUDS SHOWN IN THE SCHEDULE ABOVE, EXCEPT LOCATE THEM ALL UNDER THE BEAM, BLOCKED AS REQUIRED.						

BUILDING 1 THIRD FLOOR FRAMING PLAN - AREA A

- SCALE: 1/8" = 1'-0"
- FLOOR FRAMING NOTES (WOOD):
- ALL FLOOR FRAMING SHALL BE 22" DEEP PRE-ENGINEERED OPEN WEB WOOD TRUSSES DESIGNED AND SPACED BY TRUSS MANUFACTURER AT 24" O.C. MAX. U.N.O. FOR THE DESIGN LOADS.
 - FLOOR TRUSS MANUFACTURER TO PROVIDE BLOCKOUTS FOR MECHANICAL DUCTS. VERIFY SIZE AND LOCATION OF FLOOR OPENINGS WITH LATEST ARCHITECTURAL AND MEP DRAWINGS.
 - ALL TRUSS TO TRUSS CONNECTIONS TO BE SPECIFIED BY TRUSS MANUFACTURER.
 - EXTERIOR DECK MEMBERS SHALL BE P.T. SP#2 MATERIAL. REFER TO BALCONY FRAMING SCHEDULE FOR JOIST AND LEDGER SIZE AND ATTACHMENT.
 - PROVIDE (1) 2x6 STRONGBACK AT APPROXIMATE MID-SPAN OF THE TRUSSES UNDER 20'-0" OR APPROXIMATE THIRD POINTS OF TRUSSES OVER 20'-0". MAINTAIN 10'-0" MAX. SPACING.
 - FOR STACKING NON BEARING WALLS FRAMED PARALLEL WITH FLOOR TRUSSES, PROVIDE 2x4 CRIPPLE STUDS AT 24" O.C. IN FLOOR PLENUM BETWEEN WALLS. SEE DETAIL 41/S-501.
 - SEE BEARING WALL SCHEDULE ON SHEET S-502 FOR STUD QUANTITY AND SPACING.
 - EXTERIOR WALLS TO BE TYPE "E1", U.N.O., INTERIOR UNIT BEARING WALLS TO BE TYPE "I1", U.N.O., CORRIDOR WALLS TO BE TYPE "C1", U.N.O., UNIT SEPARATION WALLS TO BE TYPE "U1", U.N.O. AND WET WALLS TO BE TYPE "W1", U.N.O.
 - PREFAB METAL PAN STAIRS AND LANDING BY OTHERS. FABRICATOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY ARCHITECT AND ENGINEER. STAIRWELL WALLS TO BE 8" CMU. REINFORCE WALLS W/ #5 BARS AT (3) CORNER CORES AND AT 32" O.C. IN BETWEEN.
 - PROVIDE BOND BEAMS W/ (2)#5 BARS AT EACH FLOOR LINE.
 - PROVIDE 8"x8" LINTELS WITH (2)#5 BARS AT OPENINGS IN CMU WALLS WITH MINIMUM 8" BEARING.
 - REFER TO S-501 FOR TYPICAL FRAMING DETAILS.
 - TRUSS MANUFACTURER TO PROVIDE BOX FOR MECHANICAL DUCTS. REFER TO MECHANICAL PLANS FOR DUCT LOCATIONS.
 - HATCHED REGION SHOWN ON PLAN, PROVIDE 1 1/2" RECESS IN FLOOR FRAME FOR ROLL-IN SHOWERS.

FLOOR FRAMING LEGEND			
	G.T.	GIRDER TRUSS	
		TRUSS SPAN DIRECTION	
		WALL TYPE	
		ADDITIONAL LOADING	SEE SHEET S-501
WOOD TRUSS LEGEND (U.N.O.)			
	TYPE	LOADING	HATCH
	RESIDENTIAL	22T-40/20/5	NONE
	PUBLIC AREA	22T-100/20/5	
	LIGHT STORAGE/MECH.	22T-125/20/5	
NOTES:			
1. AREAS ON PLAN INDICATE DIFFERENCES IN TRUSS DEPTH OR LOADING. SEE PLAN FOR TRUSS DESIGN CRITERIA.			
TYPICAL FLOOR HEADERS (U.N.O.)			
	LOCATION	MARK	MAXIMUM OPENING
1	EXTERIOR	3-28	UP TO 5'-0"
		3-210	5'-1" UP TO 6'-6"
2	INTERIOR	2-28	UP TO 3'-6"
		3-28	UP TO 4'-0"
3	CORRIDOR	3-210	4'-1" UP TO 6'-3"
NOTES:			
1. MAXIMUM OPENING CORRELATES TO ROUGH OPENING DIMENSION.			

DISCLAIMER NOTES

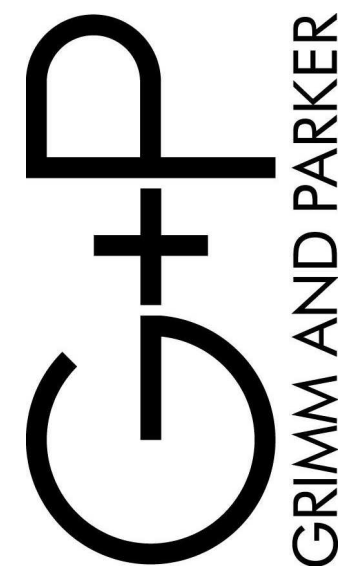
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B. THE CONTRACTOR SHALL REFER TO THE SER/ARCHITECT FOR ANY DIMENSION NOT GIVEN ON OR NOT OBTAINABLE FROM THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THESE DRAWINGS.



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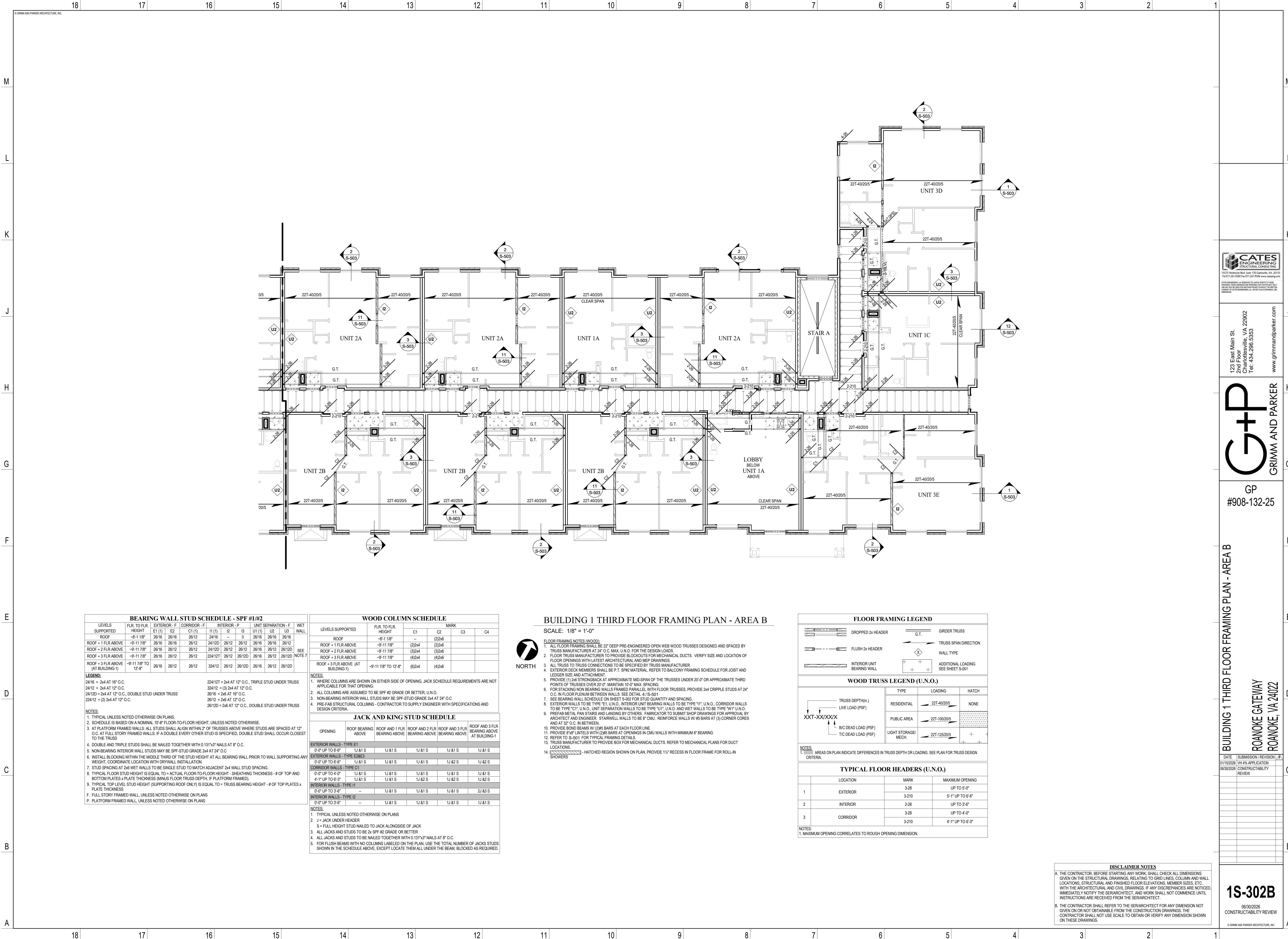
BUILDING 1 THIRD FLOOR FRAMING PLAN - AREA A

ROANOKE GATEWAY
ROANOKE, VA 24002

DATE: 06/30/2026
SUBMISSION / REVISION / A
CONSTRUCTABILITY
REVIEW

1S-302A

06/30/2026
CONSTRUCTABILITY REVIEW



BEARING WALL STUD SCHEDULE - SPF #1/#2											
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	EXTERIOR - F	CORRIDOR - F	INTERIOR - P	UNIT SEPARATION - F	WET WALL					
ROOF	-8'-11 7/8"	26/16	26/12	24/16	-	0	26/16	26/16	26/16		
ROOF + 1 FLR ABOVE	-9'-11 7/8"	26/16	26/12	24/12	26/12	26/12	26/16	26/16	26/12		
ROOF + 2 FLR ABOVE	-9'-11 7/8"	26/16	26/12	24/12	26/12	26/12	26/16	26/12	26/12		
ROOF + 3 FLR ABOVE	-9'-11 7/8"	26/16	26/12	224/12T	26/12	26/12	26/16	26/12	26/12	SEE NOTE 7	
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11 7/8" TO 12'-8"	26/16	26/12	26/12	324/12	26/12	26/12	26/16	26/12	26/12	
LEGEND:											
24/16 = 2x4 AT 16" O.C.				224/12T = 2x4 AT 12" O.C., TRIPLE STUD UNDER TRUSS							
24/12 = 2x4 AT 12" O.C.				324/12 = (3) 2x4 AT 12" O.C.							
24/12 = 2x4 AT 12" O.C., DOUBLE STUD UNDER TRUSS				26/16 = 2x6 AT 16" O.C.							
224/12 = (2) 2x4 AT 12" O.C.				26/12 = 2x6 AT 12" O.C., DOUBLE STUD UNDER TRUSS							
NOTES:											
1. TYPICAL, UNLESS NOTED OTHERWISE ON PLANS.											
2. SCHEDULE IS BASED ON A NOMINAL 10'-0" FLOOR-TO-FLOOR HEIGHT, UNLESS NOTED OTHERWISE.											
3. AT PLATFORM FRAMED WALLS: ALL STUDS SHALL ALIGN WITHIN 2" OF TRUSSES ABOVE WHERE STUDS ARE SPACED AT 12" O.C. AT FULL STORY FRAMED WALLS: IF A DOUBLE EVERY OTHER STUD IS SPECIFIED, DOUBLE STUD SHALL OCCUR CLOSEST TO THE TRUSS.											
4. DOUBLE AND TRIPLE STUDS SHALL BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.											
5. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.											
6. INSTALL BLOCKING WITHIN THE MIDDLE THIRD OF THE STUD HEIGHT AT ALL BEARING WALL PRIOR TO WALL SUPPORTING ANY WEIGHT. COORDINATE LOCATION WITH DRYWALL INSTALLATION.											
7. STUD SPACING AT 2x6 WET WALLS TO BE SINGLE STUD TO MATCH ADJACENT 2x4 WALL STUD SPACING.											
8. TYPICAL FLOOR STUD HEIGHT IS EQUAL TO = ACTUAL FLOOR-TO-FLOOR HEIGHT - SHEATHING THICKNESS - # OF TOP AND BOTTOM PLATES x PLATE THICKNESS (MINUS FLOOR TRUSS DEPTH, IF PLATFORM FRAMED).											
9. TYPICAL TOP LEVEL STUD HEIGHT (SUPPORTING ROOF ONLY) IS EQUAL TO = TRUSS BEARING HEIGHT - # OF TOP PLATES x PLATE THICKNESS											
F. FULL STORY FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS											
P. PLATFORM FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS											

WOOD COLUMN SCHEDULE					
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	C1	C2	C3	C4
ROOF	-8'-11 7/8"	--	(2)x6		
ROOF + 1 FLR ABOVE	-9'-11 7/8"	(2)x4	(2)x6		
ROOF + 2 FLR ABOVE	-9'-11 7/8"	(3)x4	(3)x6		
ROOF + 3 FLR ABOVE	-9'-11 7/8"	(4)x4	(4)x6		
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11 7/8" TO 12'-8"	(6)x4	(4)x6		
NOTES:					
1. WHERE COLUMNS ARE SHOWN ON EITHER SIDE OF OPENING, JACK SCHEDULE REQUIREMENTS ARE NOT APPLICABLE FOR THAT OPENING.					
2. ALL COLUMNS ARE ASSUMED TO BE SPF #2 GRADE OR BETTER, U.N.O.					
3. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.					
4. PRE-FAB STRUCTURAL COLUMNS - CONTRACTOR TO SUPPLY ENGINEER WITH SPECIFICATIONS AND DESIGN CRITERIA.					
JACK AND KING STUD SCHEDULE					
OPENING	ROOF BEARING ABOVE	ROOF AND 1 FLR BEARING ABOVE	ROOF AND 2 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE AT BUILDING-1
EXTERIOR WALLS - TYPE E1					
0'-0" UP TO 6'-6"	1 J 81 S	1 J 81 S	1 J 81 S	1 J 81 S	1 J 81 S
EXTERIOR WALLS - TYPE E2&E3					
0'-0" UP TO 6'-6"	1 J 81 S	1 J 81 S	1 J 81 S	1 J 82 S	1 J 82 S
CORRIDOR WALLS - TYPE C1					
0'-0" UP TO 4'-0"	1 J 81 S	1 J 81 S	1 J 81 S	1 J 81 S	1 J 81 S
4'-1" UP TO 6'-3"	1 J 81 S	1 J 81 S	1 J 82 S	1 J 82 S	1 J 82 S
INTERIOR WALLS - TYPE I1					
0'-0" UP TO 3'-6"	--	1 J 81 S	1 J 81 S	1 J 81 S	2 J 83 S
INTERIOR WALLS - TYPE I2					
0'-0" UP TO 3'-6"	--	1 J 81 S	1 J 81 S	1 J 81 S	1 J 81 S
NOTES:					
1. TYPICAL UNLESS NOTED OTHERWISE ON PLANS					
J = JACK UNDER HEADER					
S = FULL HEIGHT STUD NAILED TO JACK ALONGSIDE OF JACK					
3. ALL JACKS AND STUDS TO BE 2x SPF #2 GRADE OR BETTER					
4. ALL JACKS AND STUDS TO BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.					
5. FOR FLUSH BEAMS WITH NO COLUMNS LABELED ON THE PLAN, USE THE TOTAL NUMBER OF JACKS STUDS SHOWN IN THE SCHEDULE ABOVE, EXCEPT LOCATE THEM ALL UNDER THE BEAM, BLOCKED AS REQUIRED.					

BUILDING 1 THIRD FLOOR FRAMING PLAN - AREA B

SCALE: 1/8" = 1'-0"



- FLOOR FRAMING NOTES (WOOD):**
- ALL FLOOR FRAMING SHALL BE 22" DEEP PRE-ENGINEERED OPEN WEB WOOD TRUSSES DESIGNED AND SPACED BY TRUSS MANUFACTURER AT 24" O.C. MAX. U.N.O. FOR THE DESIGN LOADS.
 - FLOOR TRUSS MANUFACTURER TO PROVIDE BLOCKOUTS FOR MECHANICAL DUCTS. VERIFY SIZE AND LOCATION OF FLOOR OPENINGS WITH LATEST ARCHITECTURAL AND MEP DRAWINGS.
 - ALL TRUSS TO TRUSS CONNECTIONS TO BE SPECIFIED BY TRUSS MANUFACTURER.
 - EXTERIOR DECK MEMBERS SHALL BE P.T. SPW2 MATERIAL. REFER TO BALCONY FRAMING SCHEDULE FOR JOIST AND LEDGER SIZE AND ATTACHMENT.
 - PROVIDE (1) 2x6 STRONGBACK AT APPROXIMATE MID-SPAN OF THE TRUSSES UNDER 20'-0" OR APPROXIMATE THIRD POINTS OF TRUSSES OVER 20'-0". MAINTAIN 10'-0" MAX. SPACING.
 - FOR STACKING NON BEARING WALLS FRAMED PARALLEL WITH FLOOR TRUSSES, PROVIDE 2x4 CRIPPLE STUDS AT 24" O.C. IN FLOOR PLENUM BETWEEN WALLS. SEE DETAIL 41-S-501.
 - SEE BEARING WALL SCHEDULE ON SHEET S-502 FOR STUD QUANTITY AND SPACING.
 - EXTERIOR WALLS TO BE TYPE "E1" U.N.O., INTERIOR UNIT BEARING WALLS TO BE TYPE "I1" U.N.O., CORRIDOR WALLS TO BE TYPE "C1" U.N.O., UNIT SEPARATION WALLS TO BE TYPE "U1" U.N.O. AND WET WALLS TO BE TYPE "W1" U.N.O.
 - PREFAB METAL PAN STAIRS AND LANDING BY OTHERS. FABRICATOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY ARCHITECT AND ENGINEER. STAIRWELL WALLS TO BE 8" CMU. REINFORCE WALLS W/ #5 BARS AT (3) CORNER CORES AND AT 32" O.C. IN BETWEEN.
 - PROVIDE BOND BEAMS W/ (2)#5 BARS AT EACH FLOOR LINE.
 - PROVIDE 8"x8" LITELS WITH (2)#5 BARS AT OPENINGS IN CMU WALLS WITH MINIMUM 8" BEARING.
 - REFER TO S-501 FOR TYPICAL FRAMING DETAILS.
 - TRUSS MANUFACTURER TO PROVIDE BOX FOR MECHANICAL DUCTS. REFER TO MECHANICAL PLANS FOR DUCT LOCATIONS.
 - HATCHED REGION SHOWN ON PLAN, PROVIDE 1 1/2" RECESS IN FLOOR FRAME FOR ROLL-IN SHOWERS.

FLOOR FRAMING LEGEND			
	DROPPED 2x HEADER		GIRDER TRUSS
	FLUSH 2x HEADER		TRUSS SPAN DIRECTION
	INTERIOR UNIT BEARING WALL		WALL TYPE
			ADDITIONAL LOADING SEE SHEET S-501
WOOD TRUSS LEGEND (U.N.O.)			
TRUSS DEPTH (in.) LIVE LOAD (PSF) B/C DEAD LOAD (PSF) T/C DEAD LOAD (PSF)	XXT-XXXXXX		
	TYPE	LOADING	HATCH
	RESIDENTIAL	22T-40/20/5	NONE
	PUBLIC AREA	22T-100/20/5	
	LIGHT STORAGE/MECH.	22T-125/20/5	
NOTES:			
1. AREAS ON PLAN INDICATE DIFFERENCES IN TRUSS DEPTH OR LOADING. SEE PLAN FOR TRUSS DESIGN CRITERIA.			
TYPICAL FLOOR HEADERS (U.N.O.)			
	LOCATION	MARK	MAXIMUM OPENING
1	EXTERIOR	3-28	UP TO 5'-0"
		3-210	5'-1" UP TO 6'-6"
2	INTERIOR	2-28	UP TO 3'-6"
		3-28	UP TO 4'-0"
3	CORRIDOR	3-210	4'-1" UP TO 6'-3"
NOTES:			
1. MAXIMUM OPENING CORRELATES TO ROUGH OPENING DIMENSION.			

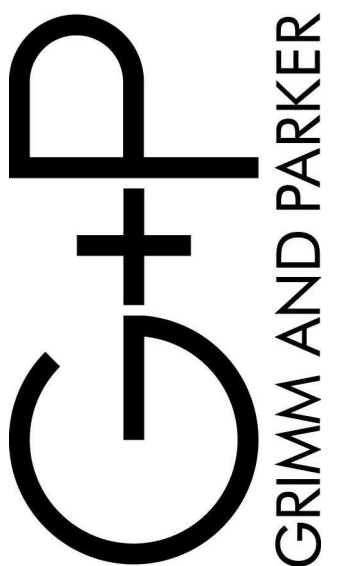
DISCLAIMER NOTES

A. THE CONTRACTOR, BEFORE STARTING ANY WORK, SHALL CHECK ALL DIMENSIONS GIVEN ON THE STRUCTURAL DRAWINGS, RELATING TO GRID LINES, COLUMN AND WALL LOCATIONS, STRUCTURAL AND FINISHED FLOOR ELEVATIONS, MEMBER SIZES, ETC., WITH THE ARCHITECTURAL AND CIVIL DRAWINGS. IF ANY DISCREPANCIES ARE NOTICED, IMMEDIATELY NOTIFY THE SER/ARCHITECT, AND WORK SHALL NOT COMMENCE UNTIL INSTRUCTIONS ARE RECEIVED FROM THE SER/ARCHITECT.

B. THE CONTRACTOR SHALL REFER TO THE SER/ARCHITECT FOR ANY DIMENSION NOT GIVEN ON OR NOT OBTAINABLE FROM THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THESE DRAWINGS.



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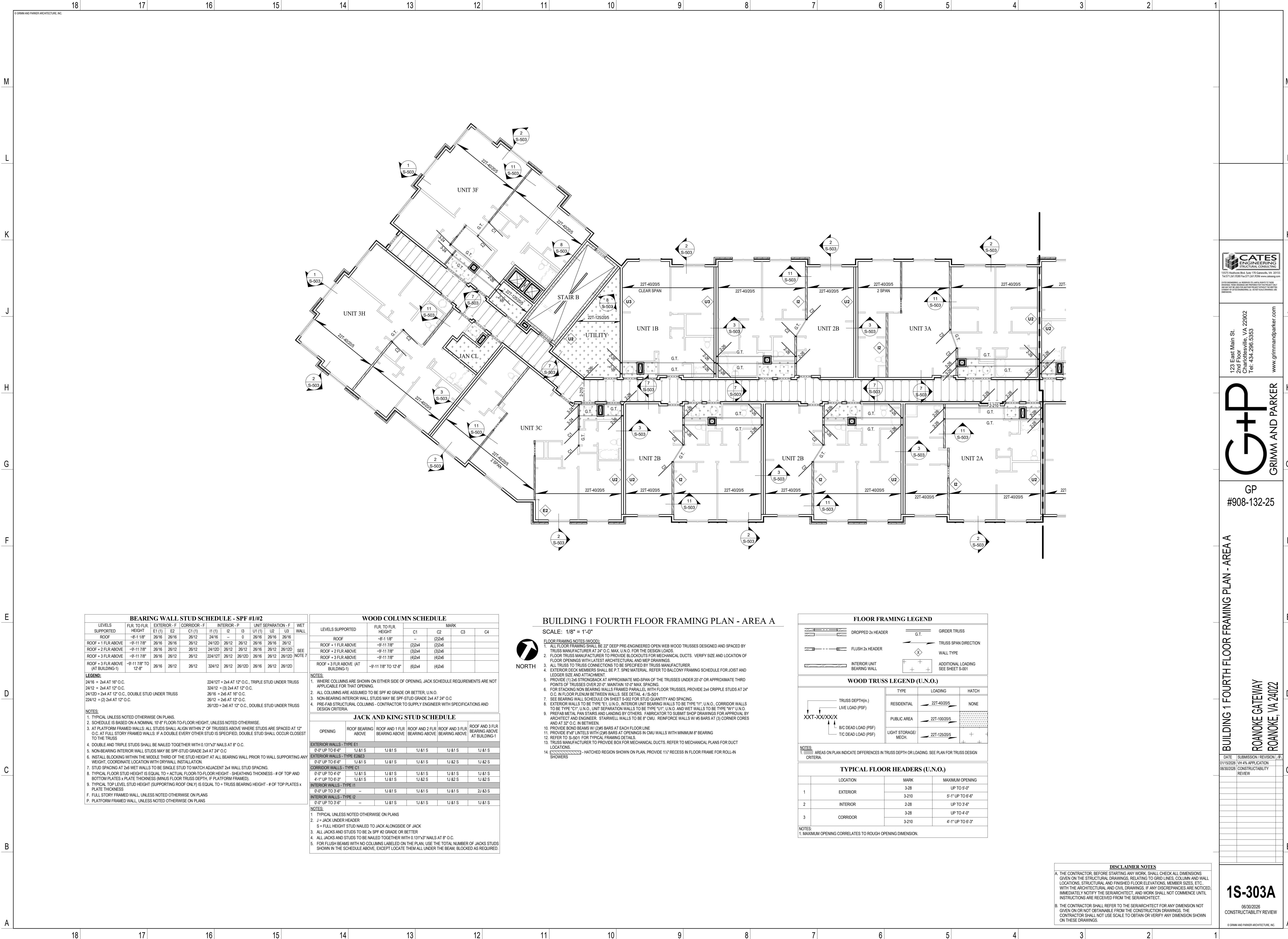
BUILDING 1 THIRD FLOOR FRAMING PLAN - AREA B

ROANOKE GATEWAY
ROANOKE, VA 24022

DATE: 01/15/2026
SUBMISSION / REVISION: 1
VH 4% APPLICATION
06/30/2026 CONSTRUCTION
REVIEW

1S-302B

06/30/2026
CONSTRUCTABILITY REVIEW



BEARING WALL STUD SCHEDULE - SPF #1/#2										
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	EXTERIOR - F	CORRIDOR - F	INTERIOR - P	UNIT SEPARATION - F	WET WALL				
		E1 (1)	E2	C1 (1)	I1 (1)	I2	I3	U1 (1)	U2	U3
ROOF	-8'-11 7/8"	26/16	26/16	26/12	24/16	--	0	26/16	26/16	26/16
ROOF + 1 FLR ABOVE	-9'-11 7/8"	26/16	26/16	26/12	24/120	26/12	26/12	26/16	26/16	26/12
ROOF + 2 FLR ABOVE	-9'-11 7/8"	26/16	26/12	26/12	24/120	26/12	26/12	26/16	26/12	26/120
ROOF + 3 FLR ABOVE	-9'-11 7/8"	26/16	26/12	26/12	224/121	26/12	26/120	26/16	26/12	26/120
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11 7/8" TO 12'-8"	26/16	26/12	26/12	324/12	26/12	26/120	26/16	26/12	26/120
LEGEND:										
24/16 = 2x4 AT 16" O.C.				224/12T = 2x4 AT 12" O.C., TRIPLE STUD UNDER TRUSS						
24/12 = 2x4 AT 12" O.C.				324/12 = (3) 2x4 AT 12" O.C.						
24/120 = 2x4 AT 12" O.C., DOUBLE STUD UNDER TRUSS				26/16 = 2x6 AT 16" O.C.						
224/12 = (2) 2x4 AT 12" O.C.				26/120 = 2x6 AT 12" O.C., DOUBLE STUD UNDER TRUSS						
NOTES:										
1. TYPICAL, UNLESS NOTED OTHERWISE ON PLANS.										
2. SCHEDULE IS BASED ON A NOMINAL 10'-0" FLOOR-TO-FLOOR HEIGHT, UNLESS NOTED OTHERWISE.										
3. AT PLATFORM FRAMED WALLS: ALL STUDS SHALL ALIGN WITHIN 2" OF TRUSSES ABOVE WHERE STUDS ARE SPACED AT 12" O.C. AT FULL STORY FRAMED WALLS: IF A DOUBLE EVERY OTHER STUD IS SPECIFIED, DOUBLE STUD SHALL OCCUR CLOSEST TO THE TRUSS.										
4. DOUBLE AND TRIPLE STUDS SHALL BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.										
5. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.										
6. INSTALL BLOCKING WITHIN THE MIDDLE THIRD OF THE STUD HEIGHT AT ALL BEARING WALL PRIOR TO WALL SUPPORTING ANY WEIGHT, COORDINATE LOCATION WITH DRYWALL INSTALLATION.										
7. STUD SPACING AT 2x6 WET WALLS TO BE SINGLE STUD TO MATCH ADJACENT 2x4 WALL STUD SPACING.										
8. TYPICAL FLOOR STUD HEIGHT IS EQUAL TO = ACTUAL FLOOR-TO-FLOOR HEIGHT - SHEATHING THICKNESS - # OF TOP AND BOTTOM PLATES x PLATE THICKNESS (MINUS FLOOR TRUSS DEPTH, IF PLATFORM FRAMED).										
9. TYPICAL TOP LEVEL STUD HEIGHT (SUPPORTING ROOF ONLY) IS EQUAL TO = TRUSS BEARING HEIGHT - # OF TOP PLATES x PLATE THICKNESS										
F. FULL STORY FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS										
P. PLATFORM FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS										

WOOD COLUMN SCHEDULE						
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	C1	C2	C3	C4	MARK
ROOF	-8'-11 7/8"	--	(2)2x6			
ROOF + 1 FLR ABOVE	-9'-11 7/8"	(2)2x4	(2)2x6			
ROOF + 2 FLR ABOVE	-9'-11 7/8"	(3)2x4	(2)2x6			
ROOF + 3 FLR ABOVE	-9'-11 7/8"	(4)2x4	(4)2x6			
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11 7/8" TO 12'-8"	(6)2x4	(4)2x6			
NOTES:						
1. WHERE COLUMNS ARE SHOWN ON EITHER SIDE OF OPENING, JACK SCHEDULE REQUIREMENTS ARE NOT APPLICABLE FOR THAT OPENING.						
2. ALL COLUMNS ARE ASSUMED TO BE SPF #2 GRADE OR BETTER, U.N.O.						
3. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.						
4. PRE-FAB STRUCTURAL COLUMNS - CONTRACTOR TO SUPPLY ENGINEER WITH SPECIFICATIONS AND DESIGN CRITERIA.						
JACK AND KING STUD SCHEDULE						
OPENING	ROOF BEARING ABOVE	ROOF AND 1 FLR BEARING ABOVE	ROOF AND 2 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE AT BUILDING-1	
EXTERIOR WALLS - TYPE E1						
0'-0" UP TO 6'-6"	1J 81 S	1J 81 S	1J 81 S	1J 81 S	1J 81 S	
EXTERIOR WALLS - TYPE E2&E3						
0'-0" UP TO 6'-6"	1J 81 S	1J 81 S	1J 81 S	1J 82 S	1J 82 S	
CORRIDOR WALLS - TYPE C1						
0'-0" UP TO 4'-0"	1J 81 S	1J 81 S	1J 81 S	1J 81 S	1J 81 S	
4'-1" UP TO 6'-3"	1J 81 S	1J 81 S	1J 82 S	1J 82 S	1J 82 S	
INTERIOR WALLS - TYPE I1						
0'-0" UP TO 3'-6"	--	1J 81 S	1J 81 S	1J 81 S	2J 83 S	
INTERIOR WALLS - TYPE I2						
0'-0" UP TO 3'-6"	--	1J 81 S	1J 81 S	1J 81 S	1J 81 S	
NOTES:						
1. TYPICAL UNLESS NOTED OTHERWISE ON PLANS						
2. J = JACK UNDER HEADER						
S = FULL HEIGHT STUD NAILED TO JACK ALONGSIDE OF JACK						
3. ALL JACKS AND STUDS TO BE 2x4 SPF #2 GRADE OR BETTER						
4. ALL JACKS AND STUDS TO BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.						
5. FOR FLUSH BEAMS WITH NO COLUMNS LABELED ON THE PLAN, USE THE TOTAL NUMBER OF JACKS STUDS SHOWN IN THE SCHEDULE ABOVE, EXCEPT LOCATE THEM ALL UNDER THE BEAM, BLOCKED AS REQUIRED.						

BUILDING 1 FOURTH FLOOR FRAMING PLAN - AREA A

- SCALE: 1/8" = 1'-0"
- FLOOR FRAMING NOTES (WOOD):
- ALL FLOOR FRAMING SHALL BE 22" DEEP PRE-ENGINEERED OPEN WEB WOOD TRUSSES DESIGNED AND SPACED BY TRUSS MANUFACTURER AT 24" O.C. MAX. U.N.O. FOR THE DESIGN LOADS.
 - FLOOR TRUSS MANUFACTURER TO PROVIDE BLOCKOUTS FOR MECHANICAL DUCTS. VERIFY SIZE AND LOCATION OF FLOOR OPENINGS WITH LATEST ARCHITECTURAL AND MEP DRAWINGS.
 - ALL TRUSS TO TRUSS CONNECTIONS TO BE SPECIFIED BY TRUSS MANUFACTURER.
 - EXTERIOR DECK MEMBERS SHALL BE P.T. SP#2 MATERIAL. REFER TO BALCONY FRAMING SCHEDULE FOR JOIST AND LEDGER SIZE AND ATTACHMENT.
 - PROVIDE (1) 2x6 STRONGBACK AT APPROXIMATE MID-SPAN OF THE TRUSSES UNDER 20'-0" OR APPROXIMATE THIRD POINTS OF TRUSSES OVER 20'-0". MAINTAIN 10'-0" MAX. SPACING.
 - FOR STACKING NON-BEARING WALLS FRAMED PARALLEL WITH FLOOR TRUSSES, PROVIDE 2x4 CRIPPLE STUDS AT 24" O.C. IN FLOOR PLENUM BETWEEN WALLS. SEE DETAIL 41-S-501.
 - SEE BEARING WALL SCHEDULE ON SHEET S-502 FOR STUD QUANTITY AND SPACING.
 - EXTERIOR WALLS TO BE TYPE "E1" U.N.O., INTERIOR UNIT BEARING WALLS TO BE TYPE "I1" U.N.O., CORRIDOR WALLS TO BE TYPE "C1" U.N.O., UNIT SEPARATION WALLS TO BE TYPE "U1" U.N.O. AND WET WALLS TO BE TYPE "W1" U.N.O.
 - PREFAB METAL PAN STAIRS AND LANDING BY OTHERS. FABRICATOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY ARCHITECT AND ENGINEER. STAIRWELL WALLS TO BE 8" CMU. REINFORCE WALLS W/ #5 BARS AT (3) CORNER CORES AND AT 32" O.C. IN BETWEEN.
 - PROVIDE BOND BEAMS W/ (2)#5 BARS AT EACH FLOOR LINE.
 - PROVIDE 8"x8" LINTELS WITH (2)#5 BARS AT OPENINGS IN CMU WALLS WITH MINIMUM 8" BEARING.
 - REFER TO S-501 FOR TYPICAL FRAMING DETAILS.
 - TRUSS MANUFACTURER TO PROVIDE BOX FOR MECHANICAL DUCTS. REFER TO MECHANICAL PLANS FOR DUCT LOCATIONS.
 - HATCHED REGION SHOWN ON PLAN, PROVIDE 1 1/2" RECESS IN FLOOR FRAME FOR ROLL-IN SHOWERS.

FLOOR FRAMING LEGEND			
	G.T.	GIRDER TRUSS	
		TRUSS SPAN DIRECTION	
		WALL TYPE	
		ADDITIONAL LOADING	SEE SHEET S-501
WOOD TRUSS LEGEND (U.N.O.)			
	TYPE	LOADING	HATCH
	RESIDENTIAL	22T-40/20/5	NONE
	PUBLIC AREA	22T-100/20/5	
	LIGHT STORAGE/MECH.	22T-125/20/5	
NOTES:			
1. AREAS ON PLAN INDICATE DIFFERENCES IN TRUSS DEPTH OR LOADING. SEE PLAN FOR TRUSS DESIGN CRITERIA.			
TYPICAL FLOOR HEADERS (U.N.O.)			
	LOCATION	MARK	MAXIMUM OPENING
1	EXTERIOR	3-28	UP TO 5'-0"
		3-210	5'-1" UP TO 6'-6"
2	INTERIOR	2-28	UP TO 3'-6"
		3-28	UP TO 4'-0"
3	CORRIDOR	3-210	4'-1" UP TO 6'-3"
NOTES:			
1. MAXIMUM OPENING CORRELATES TO ROUGH OPENING DIMENSION.			

DISCLAIMER NOTES

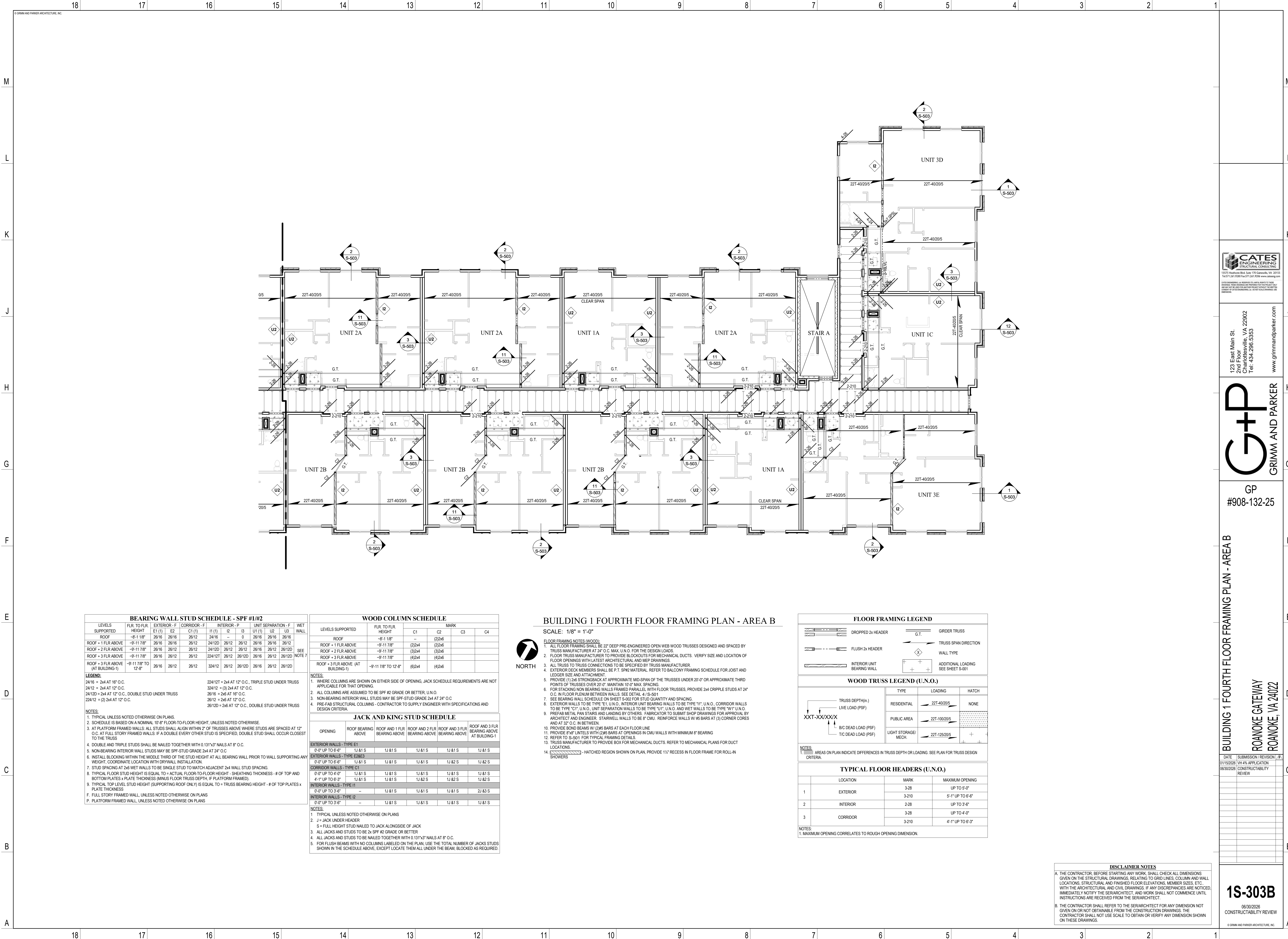
A. THE CONTRACTOR, BEFORE STARTING ANY WORK, SHALL CHECK ALL DIMENSIONS GIVEN ON THE STRUCTURAL DRAWINGS, RELATING TO GRID LINES, COLUMN AND WALL LOCATIONS, STRUCTURAL AND FINISHED FLOOR ELEVATIONS, MEMBER SIZES, ETC., WITH THE ARCHITECTURAL AND CIVIL DRAWINGS. IF ANY DISCREPANCIES ARE NOTICED, IMMEDIATELY NOTIFY THE SER/ARCHITECT, AND WORK SHALL NOT COMMENCE UNTIL INSTRUCTIONS ARE RECEIVED FROM THE SER/ARCHITECT.

B. THE CONTRACTOR SHALL REFER TO THE SER/ARCHITECT FOR ANY DIMENSION NOT GIVEN ON OR NOT OBTAINABLE FROM THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THESE DRAWINGS.

1S-303A

06/30/2026
CONSTRUCTABILITY REVIEW

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BEARING WALL STUD SCHEDULE - SPF #1/#2											
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	EXTERIOR - F	CORRIDOR - F	INTERIOR - P	UNIT SEPARATION - F	WET WALL					
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	E1 (1)	E2	C1 (1)	I1 (1)	I2	I3	U1 (1)	U2	U3	WALL
ROOF	-9'-11" 7/8"	26/16	26/16	26/12	24/16	-	0	26/16	26/16	26/16	
ROOF + 1 FLR ABOVE	-9'-11" 7/8"	26/16	26/16	26/12	24/120	26/12	26/12	26/16	26/16	26/12	SEE NOTE 7
ROOF + 2 FLR ABOVE	-9'-11" 7/8"	26/16	26/12	26/12	24/120	26/12	26/12	26/16	26/12	26/120	
ROOF + 3 FLR ABOVE	-9'-11" 7/8"	26/16	26/12	26/12	224/121	26/12	26/120	26/16	26/12	26/120	
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11" 7/8" TO 12'-8"	26/16	26/12	26/12	324/12	26/12	26/120	26/16	26/12	26/120	
LEGEND:											
24/16 = 2x4 AT 16" O.C.					224/12T = 2x4 AT 12" O.C., TRIPLE STUD UNDER TRUSS						
24/12 = 2x4 AT 12" O.C.					324/12 = (3) 2x4 AT 12" O.C.						
24/120 = 2x4 AT 12" O.C., DOUBLE STUD UNDER TRUSS					26/16 = 2x6 AT 16" O.C.						
224/12 = (2) 2x4 AT 12" O.C.					26/12 = 2x6 AT 12" O.C., DOUBLE STUD UNDER TRUSS						
NOTES:											
1. TYPICAL UNLESS NOTED OTHERWISE ON PLANS.											
2. SCHEDULE IS BASED ON A NOMINAL 10'-0" FLOOR-TO-FLOOR HEIGHT, UNLESS NOTED OTHERWISE.											
3. AT PLATFORM FRAMED WALLS: ALL STUDS SHALL ALIGN WITHIN 2" OF TRUSSES ABOVE WHERE STUDS ARE SPACED AT 12" O.C. AT FULL STORY FRAMED WALLS: IF A DOUBLE EVERY OTHER STUD IS SPECIFIED, DOUBLE STUD SHALL OCCUR CLOSEST TO THE TRUSS.											
4. DOUBLE AND TRIPLE STUDS SHALL BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.											
5. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.											
6. INSTALL BLOCKING WITHIN THE MIDDLE THIRD OF THE STUD HEIGHT AT ALL BEARING WALL PRIOR TO WALL SUPPORTING ANY WEIGHT, COORDINATE LOCATION WITH DRYWALL INSTALLATION.											
7. STUD SPACING AT 2x6 WET WALLS TO BE SINGLE STUD TO MATCH ADJACENT 2x4 WALL STUD SPACING.											
8. TYPICAL FLOOR STUD HEIGHT IS EQUAL TO = ACTUAL FLOOR-TO-FLOOR HEIGHT - SHEATHING THICKNESS - # OF TOP AND BOTTOM PLATES x PLATE THICKNESS (MINUS FLOOR TRUSS DEPTH, IF PLATFORM FRAMED).											
9. TYPICAL TOP LEVEL STUD HEIGHT (SUPPORTING ROOF ONLY) IS EQUAL TO = TRUSS BEARING HEIGHT - # OF TOP PLATES x PLATE THICKNESS											
F. FULL STORY FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS											
P. PLATFORM FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS											

WOOD COLUMN SCHEDULE							
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	C1	C2	C3	C4		
ROOF	-8'-1 1/8"	-	(2)x6				
ROOF + 1 FLR ABOVE	-9'-11 7/8"	(2)x4	(2)x6				
ROOF + 2 FLR ABOVE	-9'-11 7/8"	(3)x4	(3)x6				
ROOF + 3 FLR ABOVE	-9'-11 7/8"	(4)x4	(4)x6				
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11 7/8" TO 12'-8"	(6)x4	(4)x6				
NOTES:							
1. WHERE COLUMNS ARE SHOWN ON EITHER SIDE OF OPENING, JACK SCHEDULE REQUIREMENTS ARE NOT APPLICABLE FOR THAT OPENING.							
2. ALL COLUMNS ARE ASSUMED TO BE SPF #2 GRADE OR BETTER, U.N.O.							
3. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.							
4. PRE-FAB STRUCTURAL COLUMNS - CONTRACTOR TO SUPPLY ENGINEER WITH SPECIFICATIONS AND DESIGN CRITERIA.							
JACK AND KING STUD SCHEDULE							
OPENING	ROOF BEARING ABOVE	ROOF AND 1 FLR BEARING ABOVE	ROOF AND 2 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE AT BUILDING-1		
EXTERIOR WALLS - TYPE E1							
0'-0" UP TO 6'-6"	1J 81 S	1J 81 S	1J 81 S	1J 81 S	1J 81 S		
EXTERIOR WALLS - TYPE E2&E3							
0'-0" UP TO 6'-6"	1J 81 S	1J 81 S	1J 81 S	1J 82 S	1J 82 S		
CORRIDOR WALLS - TYPE C1							
0'-0" UP TO 4'-0"	1J 81 S	1J 81 S	1J 81 S	1J 81 S	1J 81 S		
4'-1" UP TO 6'-3"	1J 81 S	1J 81 S	1J 82 S	1J 82 S	1J 82 S		
INTERIOR WALLS - TYPE I1							
0'-0" UP TO 3'-6"	-	1J 81 S	1J 81 S	1J 81 S	2J 83 S		
INTERIOR WALLS - TYPE I2							
0'-0" UP TO 3'-6"	-	1J 81 S	1J 81 S	1J 81 S	1J 81 S		
NOTES:							
1. TYPICAL UNLESS NOTED OTHERWISE ON PLANS							
J = JACK UNDER HEADER							
S = FULL HEIGHT STUD NAILED TO JACK ALONGSIDE OF JACK							
3. ALL JACKS AND STUDS TO BE 2x4 SPF #2 GRADE OR BETTER							
4. ALL JACKS AND STUDS TO BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.							
5. FOR FLUSH BEAMS WITH NO COLUMNS LABELED ON THE PLAN, USE THE TOTAL NUMBER OF JACKS STUDS SHOWN IN THE SCHEDULE ABOVE, EXCEPT LOCATE THEM ALL UNDER THE BEAM, BLOCKED AS REQUIRED.							

BUILDING 1 FOURTH FLOOR FRAMING PLAN - AREA B

- SCALE: 1/8" = 1'-0"
- FLOOR FRAMING NOTES (WOOD):
- ALL FLOOR FRAMING SHALL BE 22" DEEP PRE-ENGINEERED OPEN WEB WOOD TRUSSES DESIGNED AND SPACED BY TRUSS MANUFACTURER AT 24" O.C. MAX. U.N.O. FOR THE DESIGN LOADS.
 - FLOOR TRUSS MANUFACTURER TO PROVIDE BLOCKOUTS FOR MECHANICAL DUCTS. VERIFY SIZE AND LOCATION OF FLOOR OPENINGS WITH LATEST ARCHITECTURAL AND MEP DRAWINGS.
 - ALL TRUSS TO TRUSS CONNECTIONS TO BE SPECIFIED BY TRUSS MANUFACTURER.
 - EXTERIOR DECK MEMBERS SHALL BE P.T. SPW2 MATERIAL. REFER TO BALCONY FRAMING SCHEDULE FOR JOIST AND LEDGER SIZE AND ATTACHMENT.
 - PROVIDE (1) 2x6 STRONGBACK AT APPROXIMATE MID-SPAN OF THE TRUSSES UNDER 20'-0" OR APPROXIMATE THIRD POINTS OF TRUSSES OVER 20'-0". MAINTAIN 10'-0" MAX. SPACING.
 - FOR STACKING NON BEARING WALLS FRAMED PARALLEL WITH FLOOR TRUSSES, PROVIDE 2x4 CRIPPLE STUDS AT 24" O.C. IN FLOOR PLENUM BETWEEN WALLS. SEE DETAIL 41-S-501.
 - SEE BEARING WALL SCHEDULE ON SHEET S-502 FOR STUD QUANTITY AND SPACING.
 - EXTERIOR WALLS TO BE TYPE "E1" U.N.O., INTERIOR UNIT BEARING WALLS TO BE TYPE "I1" U.N.O., CORRIDOR WALLS TO BE TYPE "C1" U.N.O., UNIT SEPARATION WALLS TO BE TYPE "U1" U.N.O. AND WET WALLS TO BE TYPE "W1" U.N.O.
 - PREFAB METAL PAN STAIRS AND LANDING BY OTHERS. FABRICATOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY ARCHITECT AND ENGINEER. STAIRWELL WALLS TO BE 8" CMU. REINFORCE WALLS W/ #5 BARS AT (3) CORNER CORES AND AT 32" O.C. IN BETWEEN.
 - PROVIDE BOND BEAMS W/ (2)#5 BARS AT EACH FLOOR LINE.
 - PROVIDE 8"x8" LITELS WITH (2)#5 BARS AT OPENINGS IN CMU WALLS WITH MINIMUM 8" BEARING.
 - REFER TO S-501 FOR TYPICAL FRAMING DETAILS.
 - TRUSS MANUFACTURER TO PROVIDE BOX FOR MECHANICAL DUCTS. REFER TO MECHANICAL PLANS FOR DUCT LOCATIONS.
 - HATCHED REGION SHOWN ON PLAN, PROVIDE 1 1/2" RECESS IN FLOOR FRAME FOR ROLL-IN SHOWERS.

FLOOR FRAMING LEGEND			
	G.T.	GRID TRUSS	
		TRUSS SPAN DIRECTION	
		WALL TYPE	
		ADDITIONAL LOADING	SEE SHEET S-501
WOOD TRUSS LEGEND (U.N.O.)			
TRUSS DEPTH (in.) LIVE LOAD (PSF) B/C DEAD LOAD (PSF) T/C DEAD LOAD (PSF)	TYPE	LOADING	HATCH
	RESIDENTIAL	22T-40/20/5	NONE
	PUBLIC AREA	22T-100/20/5	
	LIGHT STORAGE/MECH.	22T-125/20/5	
NOTES:			
1. AREAS ON PLAN INDICATE DIFFERENCES IN TRUSS DEPTH OR LOADING. SEE PLAN FOR TRUSS DESIGN CRITERIA.			
TYPICAL FLOOR HEADERS (U.N.O.)			
	LOCATION	MARK	MAXIMUM OPENING
1	EXTERIOR	3-28	UP TO 5'-0"
		3-210	5'-1" UP TO 6'-6"
2	INTERIOR	2-28	UP TO 3'-6"
		3-28	UP TO 4'-0"
3	CORRIDOR	3-210	4'-1" UP TO 6'-3"
NOTES:			
1. MAXIMUM OPENING CORRELATES TO ROUGH OPENING DIMENSION.			

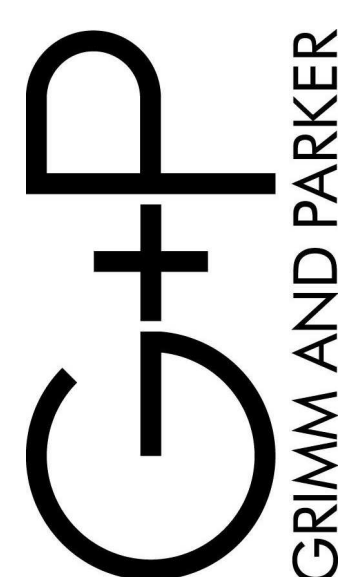
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B. THE CONTRACTOR SHALL REFER TO THE SER/ARCHITECT FOR ANY DIMENSION NOT GIVEN ON OR NOT OBTAINABLE FROM THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THESE DRAWINGS.

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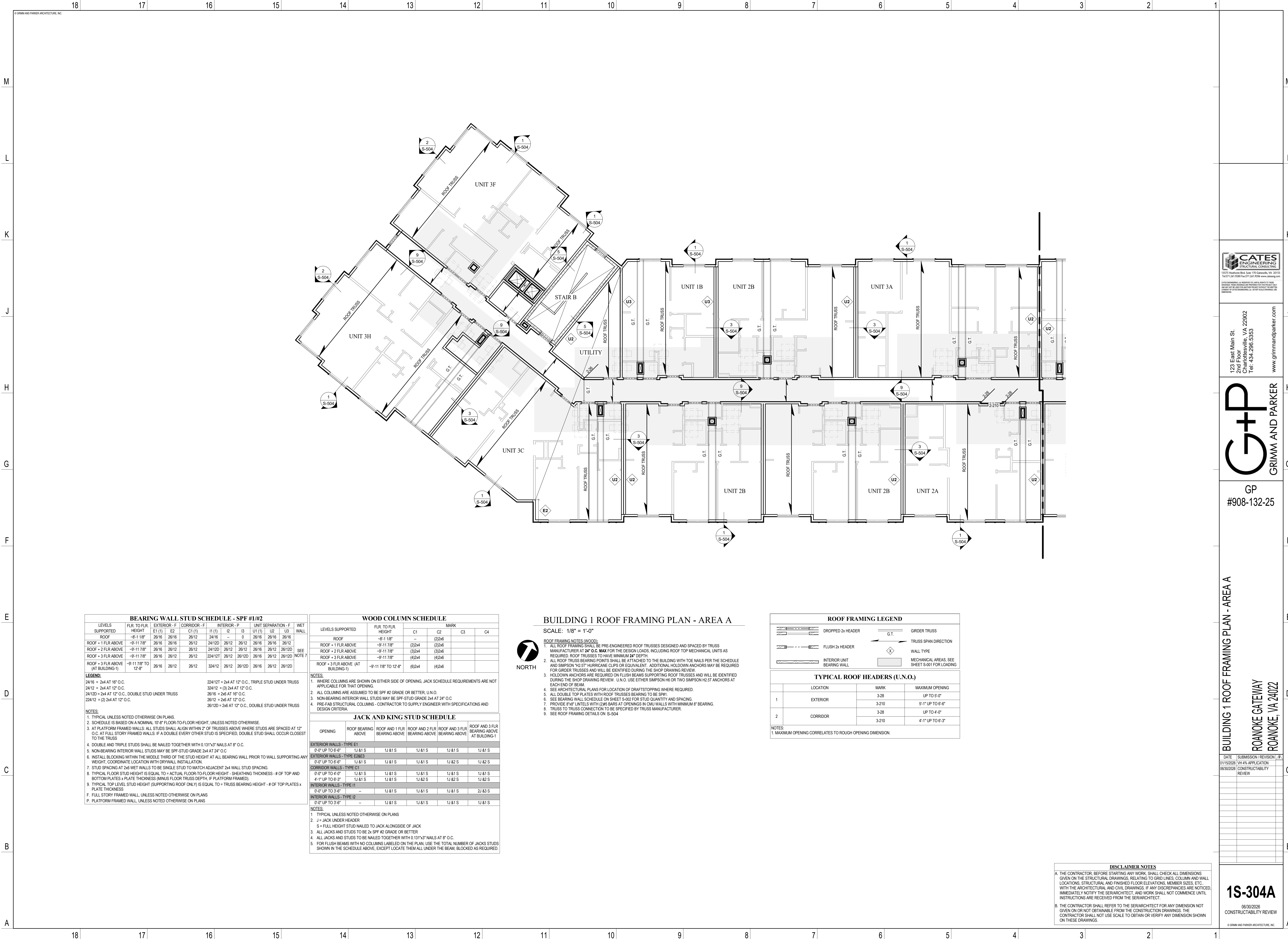
GP
#908-132-25

BUILDING 1 FOURTH FLOOR FRAMING PLAN - AREA B
ROANOKE GATEWAY
ROANOKE, VA 24002

DATE	SUBMISSION / REVISION	A
01/15/2026	1/4% APPLICATION	
06/30/2026	CONSTRUCTABILITY REVIEW	

1S-303B

06/30/2026
CONSTRUCTABILITY REVIEW



BEARING WALL STUD SCHEDULE - SPF #1/#2										
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	EXTERIOR - F	CORRIDOR - F	INTERIOR - P			UNIT SEPARATION - F			WET WALL
		E1 (1)	E2	C1 (1)	I1 (1)	I2	I3	U1 (1)	U2	U3
ROOF	-9'-11" 7/8"	26/16	26/16	26/12	24/16	--	0	26/16	26/16	26/16
ROOF + 1 FLR ABOVE	-9'-11" 7/8"	26/16	26/16	26/12	24/12D	26/12	26/16	26/16	26/12	26/12
ROOF + 2 FLR ABOVE	-9'-11" 7/8"	26/16	26/12	26/12	24/12D	26/12	26/16	26/12	26/12D	SEE NOTE 7
ROOF + 3 FLR ABOVE	-9'-11" 7/8"	26/16	26/12	26/12	224/12T	26/12D	26/16	26/12	26/12D	
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11" 7/8" TO 12'-8"	26/16	26/12	26/12	324/12	26/12	26/12D	26/16	26/12	26/12D
LEGEND:										
24/16 = 2x4 AT 16" O.C.					224/12T = 2x4 AT 12" O.C., TRIPLE STUD UNDER TRUSS					
24/12 = 2x4 AT 12" O.C.					324/12 = (3) 2x4 AT 12" O.C.					
24/12D = 2x4 AT 12" O.C., DOUBLE STUD UNDER TRUSS					26/16 = 2x6 AT 16" O.C.					
224/12 = (2) 2x4 AT 12" O.C.					26/12 = 2x6 AT 12" O.C., DOUBLE STUD UNDER TRUSS					
NOTES:										
1. TYPICAL UNLESS NOTED OTHERWISE ON PLANS.										
2. SCHEDULE IS BASED ON A NOMINAL 10'-0" FLOOR-TO-FLOOR HEIGHT, UNLESS NOTED OTHERWISE.										
3. AT PLATFORM FRAMED WALLS: ALL STUDS SHALL ALIGN WITHIN 2" OF TRUSSES ABOVE WHERE STUDS ARE SPACED AT 12" O.C. AT FULL STORY FRAMED WALLS: IF A DOUBLE EVERY OTHER STUD IS SPECIFIED, DOUBLE STUD SHALL OCCUR CLOSEST TO THE TRUSS.										
4. DOUBLE AND TRIPLE STUDS SHALL BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.										
5. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.										
6. INSTALL BLOCKING WITHIN THE MIDDLE THIRD OF THE STUD HEIGHT AT ALL BEARING WALL PRIOR TO WALL SUPPORTING ANY WEIGHT. COORDINATE LOCATION WITH DRYWALL INSTALLATION.										
7. STUD SPACING AT 2x6 WET WALLS TO BE SINGLE STUD TO MATCH ADJACENT 2x4 WALL STUD SPACING.										
8. TYPICAL FLOOR STUD HEIGHT IS EQUAL TO = ACTUAL FLOOR-TO-FLOOR HEIGHT - SHEATHING THICKNESS - # OF TOP AND BOTTOM PLATES x PLATE THICKNESS (MINUS FLOOR TRUSS DEPTH, IF PLATFORM FRAMED).										
9. TYPICAL TOP LEVEL STUD HEIGHT (SUPPORTING ROOF ONLY) IS EQUAL TO = TRUSS BEARING HEIGHT - # OF TOP PLATES x PLATE THICKNESS										
F. FULL STORY FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS										
P. PLATFORM FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS										

WOOD COLUMN SCHEDULE						
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	C1	C2	C3	C4	MARK
ROOF	-8'-11 7/8"	--	(2)2x6			
ROOF + 1 FLR ABOVE	-9'-11 7/8"	(2)2x4	(2)2x6			
ROOF + 2 FLR ABOVE	-9'-11 7/8"	(3)2x4	(3)2x6			
ROOF + 3 FLR ABOVE	-9'-11 7/8"	(4)2x4	(4)2x6			
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11 7/8" TO 12'-8"	(6)2x4	(4)2x6			
NOTES:						
1. WHERE COLUMNS ARE SHOWN ON EITHER SIDE OF OPENING, JACK SCHEDULE REQUIREMENTS ARE NOT APPLICABLE FOR THAT OPENING.						
2. ALL COLUMNS ARE ASSUMED TO BE SPF #2 GRADE OR BETTER, U.N.O.						
3. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.						
4. PRE-FAB STRUCTURAL COLUMNS - CONTRACTOR TO SUPPLY ENGINEER WITH SPECIFICATIONS AND DESIGN CRITERIA.						
JACK AND KING STUD SCHEDULE						
OPENING	ROOF BEARING ABOVE	ROOF AND 1 FLR BEARING ABOVE	ROOF AND 2 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE AT BUILDING-1	
EXTERIOR WALLS - TYPE E1						
0'-0" UP TO 6'-6"	1J 81 S	1J 81 S	1J 81 S	1J 81 S	1J 81 S	
EXTERIOR WALLS - TYPE E2&E3						
0'-0" UP TO 6'-6"	1J 81 S	1J 81 S	1J 81 S	1J 82 S	1J 82 S	
CORRIDOR WALLS - TYPE C1						
0'-0" UP TO 4'-0"	1J 81 S	1J 81 S	1J 81 S	1J 81 S	1J 81 S	
4'-1" UP TO 6'-3"	1J 81 S	1J 81 S	1J 82 S	1J 82 S	1J 82 S	
INTERIOR WALLS - TYPE I1						
0'-0" UP TO 3'-6"	--	1J 81 S	1J 81 S	1J 81 S	2J 83 S	
INTERIOR WALLS - TYPE I2						
0'-0" UP TO 3'-6"	--	1J 81 S	1J 81 S	1J 81 S	1J 81 S	
NOTES:						
1. TYPICAL UNLESS NOTED OTHERWISE ON PLANS						
J = JACK UNDER HEADER						
S = FULL HEIGHT STUD NAILED TO JACK ALONGSIDE OF JACK						
3. ALL JACKS AND STUDS TO BE 2x SPF #2 GRADE OR BETTER						
4. ALL JACKS AND STUDS TO BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.						
5. FOR FLUSH BEAMS WITH NO COLUMNS LABELED ON THE PLAN, USE THE TOTAL NUMBER OF JACKS STUDS SHOWN IN THE SCHEDULE ABOVE, EXCEPT LOCATE THEM ALL UNDER THE BEAM, BLOCKED AS REQUIRED.						

BUILDING 1 ROOF FRAMING PLAN - AREA A

SCALE: 1/8" = 1'-0"



- ROOF FRAMING NOTES (WOOD):**
- ALL ROOF FRAMING SHALL BE PRE-ENGINEERED ROOF TRUSSES DESIGNED AND SPACED BY TRUSS MANUFACTURER AT 24" O.C. MAX FOR THE DESIGN LOADS, INCLUDING ROOF TOP MECHANICAL UNITS AS REQUIRED. ROOF TRUSSES TO HAVE MINIMUM 24" DEPTH.
 - ALL ROOF TRUSS BEARING POINTS SHALL BE ATTACHED TO THE BUILDING WITH TOE NAILS PER THE SCHEDULE AND SIMPSON H2.5T HURRICANE CLIPS OR EQUIVALENT. ADDITIONAL HOLDOWN ANCHORS MAY BE REQUIRED FOR GIRDER TRUSSES AND WILL BE IDENTIFIED DURING THE SHOP DRAWING REVIEW.
 - HOLDOWN ANCHORS ARE REQUIRED ON FLUSH BEAMS SUPPORTING ROOF TRUSSES AND WILL BE IDENTIFIED DURING THE SHOP DRAWING REVIEW. U.N.O. USE EITHER SIMPSON H6 OR TWO SIMPSON H2.5T ANCHORS AT EACH END OF BEAM.
 - SEE ARCHITECTURAL PLANS FOR LOCATION OF DRAFTSTOPPING WHERE REQUIRED.
 - ALL DOUBLE TOP PLATES WITH ROOF TRUSSES BEARING TO BE SPH1.
 - SEE BEARING WALL SCHEDULE ON SHEET S-002 FOR STUD QUANTITY AND SPACING.
 - PROVIDE 8"x8" LINTELS WITH (2)#6 BARS AT OPENINGS IN CMU WALLS WITH MINIMUM 8" BEARING.
 - TRUSS TO TRUSS CONNECTION TO BE SPECIFIED BY TRUSS MANUFACTURER.
 - SEE ROOF FRAMING DETAILS ON S-504

ROOF FRAMING LEGEND			
	DROPPED 2x4 HEADER		GIRDER TRUSS
	FLUSH 2x4 HEADER		TRUSS SPAN DIRECTION
	INTERIOR UNIT BEARING UNIT		WALL TYPE
			MECHANICAL AREAS, SEE SHEET S-001 FOR LOADING
TYPICAL ROOF HEADERS (U.N.O.)			
LOCATION	MARK	MAXIMUM OPENING	
1	EXTERIOR	3-28	UP TO 9'-0"
		3-210	5'-1" UP TO 6'-6"
2	CORRIDOR	3-28	UP TO 4'-0"
		3-210	4'-1" UP TO 6'-3"
NOTES:			
1. MAXIMUM OPENING CORRELATES TO ROUGH OPENING DIMENSION.			

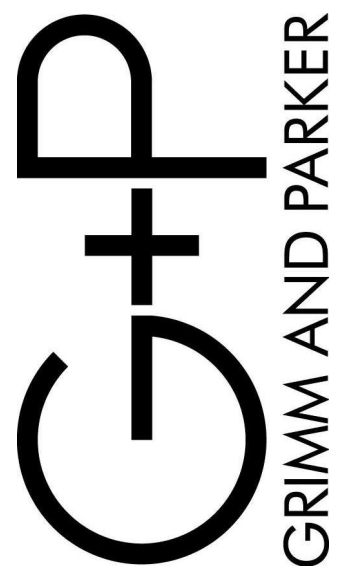
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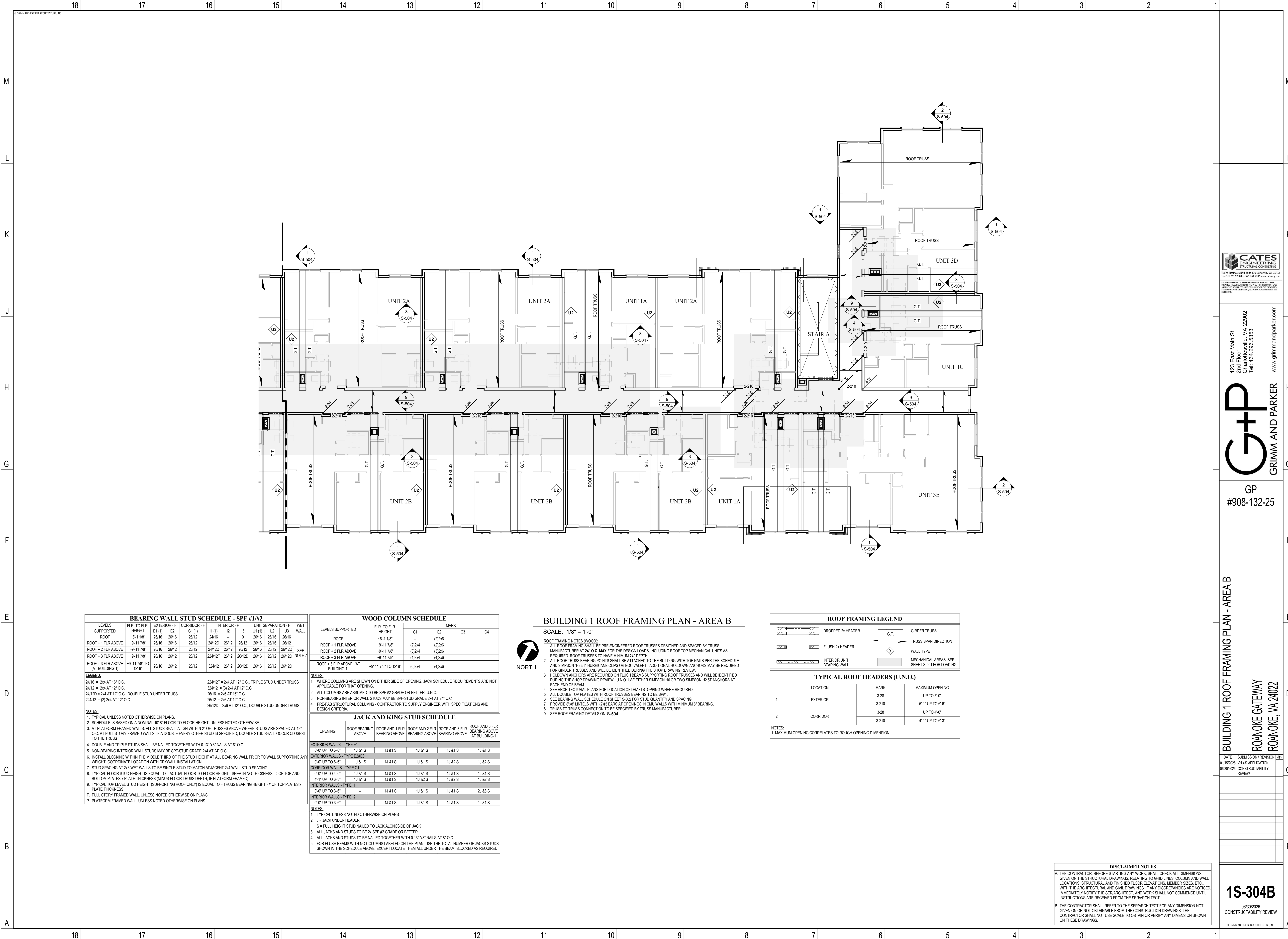


GP
#908-132-25

BUILDING 1 ROOF FRAMING PLAN - AREA A
ROANOKE GATEWAY
ROANOKE, VA 24002

DATE	SUBMISSION / REVISION / A
01/15/2026	1H 4% APPLICATION
06/30/2026	CONSTRUCTABILITY REVIEW

1S-304A
06/30/2026
CONSTRUCTABILITY REVIEW



BEARING WALL STUD SCHEDULE - SPF #1/#2											
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	EXTERIOR - F	CORRIDOR - F	INTERIOR - P			UNIT SEPARATION - F			WET WALL	
		E1 (1)	E2	C1 (1)	I1 (1)	I2	I3	U1 (1)	U2	U3	
ROOF	-8'-11 7/8"	26/16	26/16	26/12	24/16	--	0	26/16	26/16	26/16	
ROOF + 1 FLR ABOVE	-9'-11 7/8"	26/16	26/16	26/12	24/12D	26/12	26/16	26/16	26/16	26/12	SEE NOTE 7
ROOF + 2 FLR ABOVE	-9'-11 7/8"	26/16	26/12	26/12	24/12D	26/12	26/16	26/12	26/12D	26/12D	
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11 7/8" TO 12'-8"	26/16	26/12	26/12	224/12T	26/12	26/12D	26/16	26/12	26/12D	

LEGEND:

24/16 = 2x4 AT 16" O.C.
24/12 = 2x4 AT 12" O.C.
24/12D = 2x4 AT 12" O.C. DOUBLE STUD UNDER TRUSS
224/12 = (2) 2x4 AT 12" O.C.
26/12 = 2x6 AT 12" O.C.
26/12D = 2x6 AT 12" O.C. DOUBLE STUD UNDER TRUSS

NOTES:

1. TYPICAL UNLESS NOTED OTHERWISE ON PLANS.
2. SCHEDULE IS BASED ON A NOMINAL 10'-0" FLOOR-TO-FLOOR HEIGHT, UNLESS NOTED OTHERWISE.
3. AT PLATFORM FRAMED WALLS: ALL STUDS SHALL ALIGN WITHIN 2" OF TRUSSES ABOVE WHERE STUDS ARE SPACED AT 12" O.C. AT FULL STORY FRAMED WALLS: IF A DOUBLE EVERY OTHER STUD IS SPECIFIED, DOUBLE STUD SHALL OCCUR CLOSEST TO THE TRUSS.
4. DOUBLE AND TRIPLE STUDS SHALL BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.
5. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.
6. INSTALL BLOCKING WITHIN THE MIDDLE THIRD OF THE STUD HEIGHT AT ALL BEARING WALL PRIOR TO WALL SUPPORTING ANY WEIGHT. COORDINATE LOCATION WITH DRYWALL INSTALLATION.
7. STUD SPACING AT 2x6 WET WALLS TO BE SINGLE STUD TO MATCH ADJACENT 2x4 WALL STUD SPACING.
8. TYPICAL FLOOR STUD HEIGHT IS EQUAL TO = ACTUAL FLOOR-TO-FLOOR HEIGHT - SHEATHING THICKNESS - # OF TOP AND BOTTOM PLATES x PLATE THICKNESS (MINUS FLOOR TRUSS DEPTH, IF PLATFORM FRAMED).
9. TYPICAL TOP LEVEL STUD HEIGHT (SUPPORTING ROOF ONLY) IS EQUAL TO = TRUSS BEARING HEIGHT - # OF TOP PLATES x PLATE THICKNESS
F. FULL STORY FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS
P. PLATFORM FRAMED WALL, UNLESS NOTED OTHERWISE ON PLANS

WOOD COLUMN SCHEDULE						
LEVELS SUPPORTED	FLR. TO FLR. HEIGHT	C1	C2	C3	C4	MARK
ROOF	-8'-11 7/8"	--	(2)2x6			
ROOF + 1 FLR ABOVE	-9'-11 7/8"	(2)2x4	(2)2x6			
ROOF + 2 FLR ABOVE	-9'-11 7/8"	(3)2x4	(3)2x6			
ROOF + 3 FLR ABOVE	-9'-11 7/8"	(4)2x4	(4)2x6			
ROOF + 3 FLR ABOVE (AT BUILDING-1)	-9'-11 7/8" TO 12'-8"	(6)2x4	(4)2x6			

NOTES:

1. WHERE COLUMNS ARE SHOWN ON EITHER SIDE OF OPENING, JACK SCHEDULE REQUIREMENTS ARE NOT APPLICABLE FOR THAT OPENING.
2. ALL COLUMNS ARE ASSUMED TO BE SPF #2 GRADE OR BETTER, U.N.O.
3. NON-BEARING INTERIOR WALL STUDS MAY BE SPF-STUD GRADE 2x4 AT 24" O.C.
4. PRE-FAB STRUCTURAL COLUMNS - CONTRACTOR TO SUPPLY ENGINEER WITH SPECIFICATIONS AND DESIGN CRITERIA.

JACK AND KING STUD SCHEDULE					
OPENING	ROOF BEARING ABOVE	ROOF AND 1 FLR BEARING ABOVE	ROOF AND 2 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE	ROOF AND 3 FLR BEARING ABOVE AT BUILDING-1
EXTERIOR WALLS - TYPE E1					
0'-0" UP TO 6'-6"	1J 81 S	1J 81 S	1J 81 S	1J 81 S	1J 81 S
EXTERIOR WALLS - TYPE E2&E3					
0'-0" UP TO 6'-6"	1J 81 S	1J 81 S	1J 81 S	1J 82 S	1J 82 S
CORRIDOR WALLS - TYPE C1					
0'-0" UP TO 4'-0"	1J 81 S	1J 81 S	1J 81 S	1J 81 S	1J 81 S
4'-1" UP TO 6'-3"	1J 81 S	1J 81 S	1J 82 S	1J 82 S	1J 82 S
INTERIOR WALLS - TYPE I1					
0'-0" UP TO 3'-6"	--	1J 81 S	1J 81 S	1J 81 S	2J 83 S
INTERIOR WALLS - TYPE I2					
0'-0" UP TO 3'-6"	--	1J 81 S	1J 81 S	1J 81 S	1J 81 S

NOTES:

1. TYPICAL UNLESS NOTED OTHERWISE ON PLANS
J = JACK UNDER HEADER
S = FULL HEIGHT STUD NAILED TO JACK ALONGSIDE OF JACK
3. ALL JACKS AND STUDS TO BE 2x SPF #2 GRADE OR BETTER
4. ALL JACKS AND STUDS TO BE NAILED TOGETHER WITH 0.131"x3" NAILS AT 8" O.C.
5. FOR FLUSH BEAMS WITH NO COLUMNS LABELED ON THE PLAN, USE THE TOTAL NUMBER OF JACKS STUDS SHOWN IN THE SCHEDULE ABOVE, EXCEPT LOCATE THEM ALL UNDER THE BEAM, BLOCKED AS REQUIRED.

BUILDING 1 ROOF FRAMING PLAN - AREA B

SCALE: 1/8" = 1'-0"

- ROOF FRAMING NOTES (WOOD):**
- ALL ROOF FRAMING SHALL BE PRE-ENGINEERED ROOF TRUSSES DESIGNED AND SPACED BY TRUSS MANUFACTURER AT 24" O.C. MAX FOR THE DESIGN LOADS, INCLUDING ROOF TOP MECHANICAL UNITS AS REQUIRED. ROOF TRUSSES TO HAVE MINIMUM 24" DEPTH.
 - ALL ROOF TRUSS BEARING POINTS SHALL BE ATTACHED TO THE BUILDING WITH TOE NAILS PER THE SCHEDULE AND SIMPSON H2.5T HURRICANE CLIPS OR EQUIVALENT. ADDITIONAL HOLDOWN ANCHORS MAY BE REQUIRED FOR GIRDER TRUSSES AND WILL BE IDENTIFIED DURING THE SHOP DRAWING REVIEW.
 - HOLDOWN ANCHORS ARE REQUIRED ON FLUSH BEAMS SUPPORTING ROOF TRUSSES AND WILL BE IDENTIFIED DURING THE SHOP DRAWING REVIEW. U.N.O. USE EITHER SIMPSON H6 OR TWO SIMPSON H2.5T ANCHORS AT EACH END OF BEAM.
 - SEE ARCHITECTURAL PLANS FOR LOCATION OF DRAFTSTOPPING WHERE REQUIRED.
 - ALL DOUBLE TOP PLATES WITH ROOF TRUSSES BEARING TO BE SPH1.
 - SEE BEARING WALL SCHEDULE ON SHEET S-002 FOR STUD QUANTITY AND SPACING.
 - PROVIDE 8"x8" LINTELS WITH (2)#6 BARS AT OPENINGS IN CMU WALLS WITH MINIMUM 8" BEARING.
 - TRUSS TO TRUSS CONNECTION TO BE SPECIFIED BY TRUSS MANUFACTURER.
 - SEE ROOF FRAMING DETAILS ON S-504

ROOF FRAMING LEGEND		
	DROPPED 2x4 HEADER	G.T.
	FLUSH 2x4 HEADER	ORDER TRUSS
	INTERIOR UNIT BEARING WALL	TRUSS SPAN DIRECTION
		WALL TYPE
		MECHANICAL AREAS, SEE SHEET S-001 FOR LOADING

TYPICAL ROOF HEADERS (U.N.O.)		
LOCATION	MARK	MAXIMUM OPENING
1	EXTERIOR	3-28
		UP TO 5'-9"
2	CORRIDOR	3-210
		5'-1" UP TO 6'-6"
		3-28
		UP TO 4'-0"
		3-210
		4'-1" UP TO 6'-3"

NOTES:

1. MAXIMUM OPENING CORRELATES TO ROUGH OPENING DIMENSION.

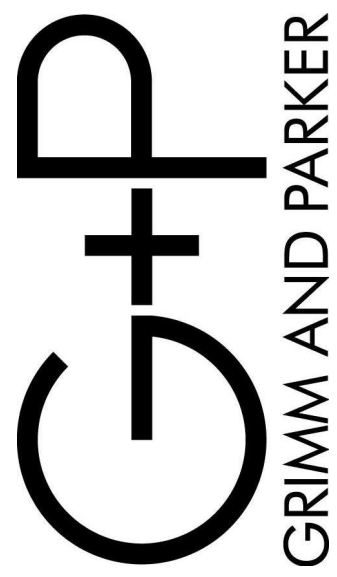
DISCLAIMER NOTES

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B. THE CONTRACTOR SHALL REFER TO THE ARCHITECT FOR ANY DIMENSION NOT GIVEN ON OR NOT OBTAINABLE FROM THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THESE DRAWINGS.



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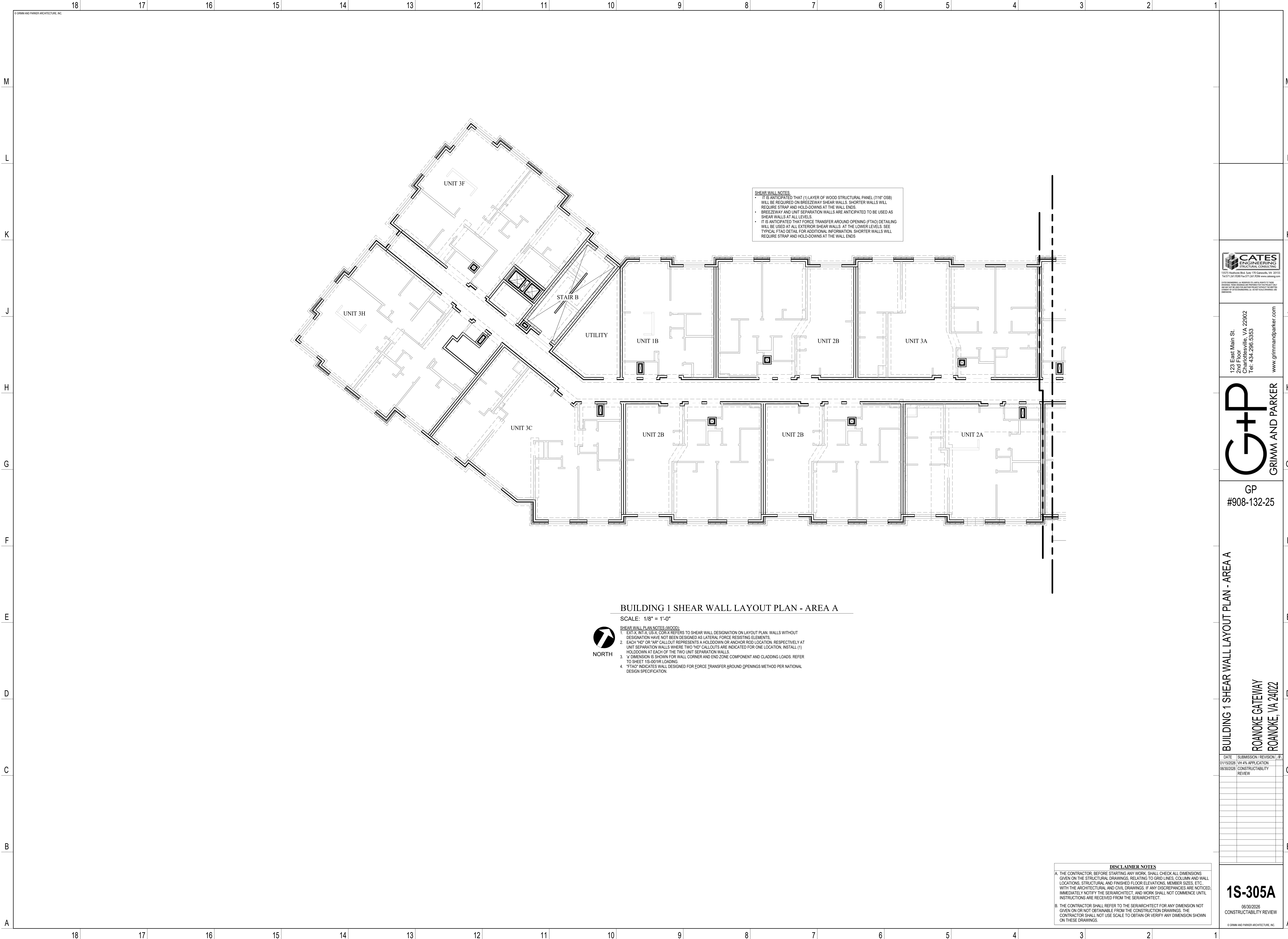


GP
#908-132-25

BUILDING 1 ROOF FRAMING PLAN - AREA B
ROANOKE GATEWAY
ROANOKE, VA 24002

DATE	SUBMISSION / REVISION / A
01/15/2026	1/4% APPLICATION
06/30/2026	CONSTRUCTION REVIEW

1S-304B
06/30/2026
CONSTRUCTABILITY REVIEW



SHEAR WALL NOTES

- IT IS ANTICIPATED THAT (1) LAYER OF WOOD STRUCTURAL PANEL (7/16" OSB) WILL BE REQUIRED ON BREEZEWAY SHEAR WALLS. SHORTER WALLS WILL REQUIRE STRAP AND HOLD-DOWNS AT THE WALL ENDS.
- BREEZEWAY AND UNIT SEPARATION WALLS ARE ANTICIPATED TO BE USED AS SHEAR WALLS AT ALL LEVELS.
- IT IS ANTICIPATED THAT FORCE TRANSFER AROUND OPENING (FTAO) DETAILING WILL BE USED AT ALL EXTERIOR SHEAR WALLS AT THE LOWER LEVELS. SEE TYPICAL FTAO DETAIL FOR ADDITIONAL INFORMATION. SHORTER WALLS WILL REQUIRE STRAP AND HOLD-DOWNS AT THE WALL ENDS.



NORTH

- SHEAR WALL PLAN NOTES (WOOD):**
1. "EXT-X, INT-X, US-X, COR-X" REFERS TO SHEAR WALL DESIGNATION ON LAYOUT PLAN. WALLS WITHOUT DESIGNATION HAVE NOT BEEN DESIGNED AS LATERAL FORCE RESISTING ELEMENTS.
 2. EACH "HD" OR "RD" CALLOUT REPRESENTS A HOLD-DOWN OR ANCHOR ROD LOCATION, RESPECTIVELY AT UNIT SEPARATION WALLS WHERE TWO "HD" CALLOUTS ARE INDICATED FOR ONE LOCATION, INSTALL (1) HOLD-DOWN AT EACH OF THE TWO UNIT SEPARATION WALLS.
 3. "V" DIMENSION IS SHOWN FOR WALL CORNER AND END ZONE COMPONENT AND CLADDING LOADS. REFER TO SHEET 1S-001R FOR LOADING.
 4. "FTAO" INDICATES WALL DESIGNED FOR FORCE TRANSFER AROUND OPENINGS METHOD PER NATIONAL DESIGN SPECIFICATION.

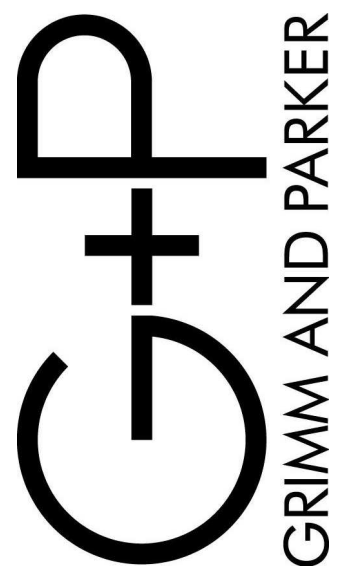
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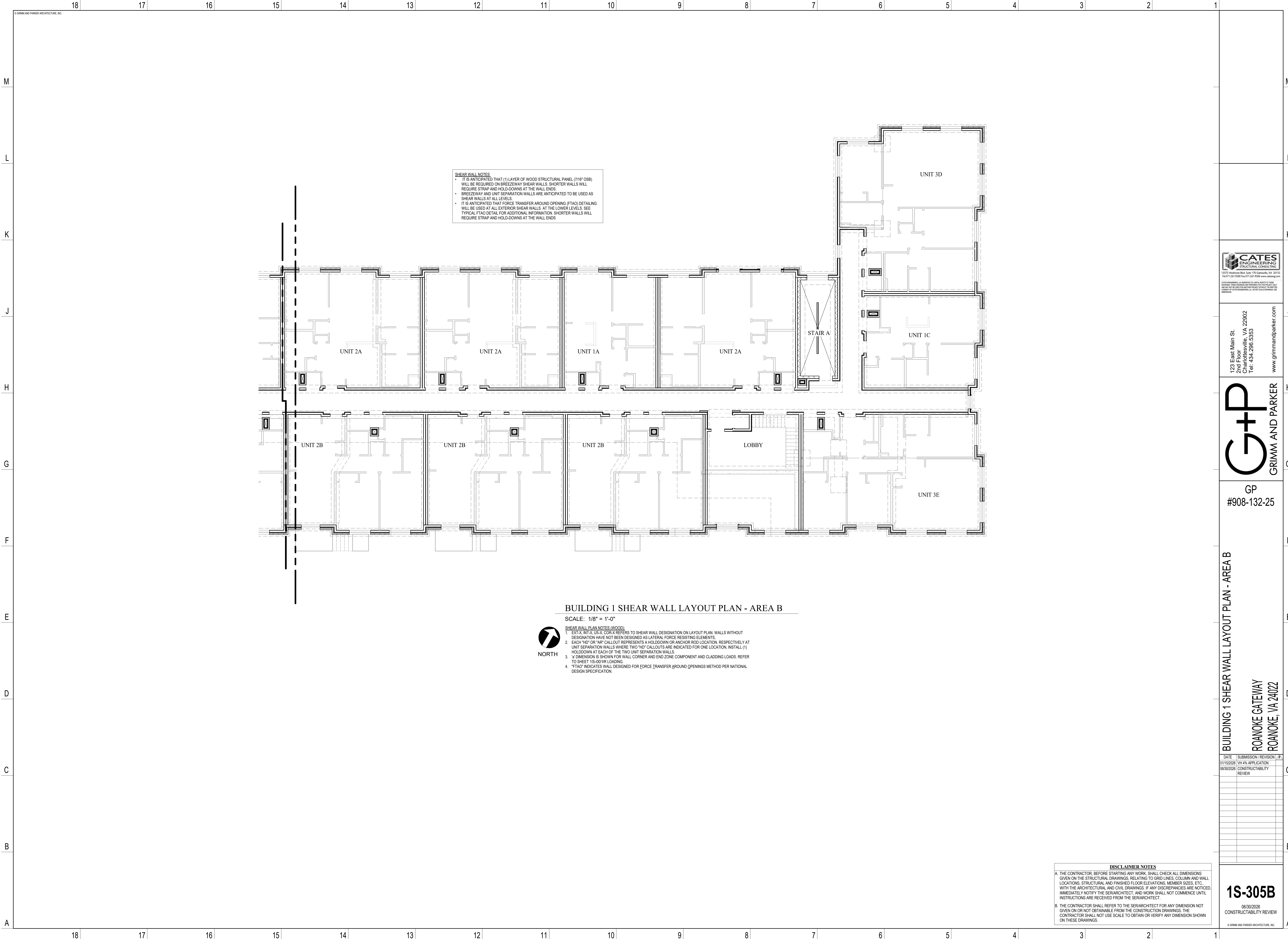


GP
#908-132-25

BUILDING 1 SHEAR WALL LAYOUT PLAN - AREA A
ROANOKE GATEWAY
ROANOKE, VA 24022

DATE	SUBMISSION / REVISION / A
01/15/2028	VH 4% APPLICATION
06/30/2028	CONSTRUCTABILITY REVIEW

1S-305A
06/30/2028
CONSTRUCTABILITY REVIEW
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SHEAR WALL NOTES

- IT IS ANTICIPATED THAT (1) LAYER OF WOOD STRUCTURAL PANEL (7/16" OSB) WILL BE REQUIRED ON BREEZEWAY SHEAR WALLS. SHORTER WALLS WILL REQUIRE STRAP AND HOLD-DOWNS AT THE WALL ENDS.
- BREEZEWAY AND UNIT SEPARATION WALLS ARE ANTICIPATED TO BE USED AS SHEAR WALLS AT ALL LEVELS.
- IT IS ANTICIPATED THAT FORCE TRANSFER AROUND OPENING (FTAO) DETAILING WILL BE USED AT ALL EXTERIOR SHEAR WALLS AT THE LOWER LEVELS. SEE TYPICAL FTAO DETAIL FOR ADDITIONAL INFORMATION. SHORTER WALLS WILL REQUIRE STRAP AND HOLD-DOWNS AT THE WALL ENDS.

BUILDING 1 SHEAR WALL LAYOUT PLAN - AREA B

SCALE: 1/8" = 1'-0"



NORTH

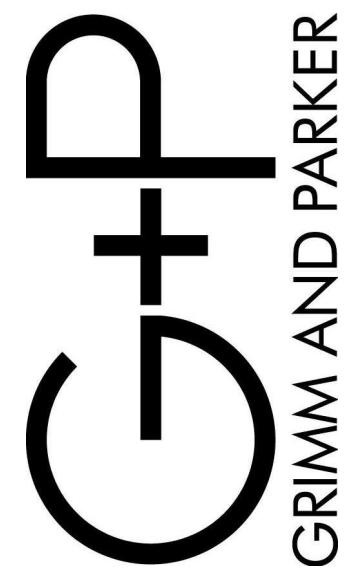
- SHEAR WALL PLAN NOTES (WOOD):**
1. EXT-X, INT-X, US-X, COR-X REFERS TO SHEAR WALL DESIGNATION ON LAYOUT PLAN. WALLS WITHOUT DESIGNATION HAVE NOT BEEN DESIGNED AS LATERAL FORCE RESISTING ELEMENTS.
 2. EACH "HD" OR "AS" CALLOUT REPRESENTS A HOLD-DOWN OR ANCHOR ROD LOCATION, RESPECTIVELY AT UNIT SEPARATION WALLS WHERE TWO "HD" CALLOUTS ARE INDICATED FOR ONE LOCATION, INSTALL (1) HOLD-DOWN AT EACH OF THE TWO UNIT SEPARATION WALLS.
 3. "D" DIMENSION IS SHOWN FOR WALL CORNER AND END ZONE COMPONENT AND CLADDING LOADS. REFER TO SHEET 1S-001R LOADING.
 4. "FTAO" INDICATES WALL DESIGNED FOR FORCE TRANSFER AROUND OPENINGS METHOD PER NATIONAL DESIGN SPECIFICATION.

DISCLAIMER NOTES

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BUILDING 1 SHEAR WALL LAYOUT PLAN - AREA B
ROANOKE GATEWAY
ROANOKE, VA 24022

DATE	SUBMISSION / REVISION / A
01/15/2026	VH 4% APPLICATION
06/30/2026	CONSTRUCTABILITY REVIEW

1S-305B

06/30/2026
CONSTRUCTABILITY REVIEW

M

L

K

J

H

G

F

E

D

C

B

A

4 STORY SHEAR WALL CHORD AND HOLDDOWN SCHEDULE																											
LEVEL	WOOD SETTLEMENT	EXTERIOR EXT-1		EXTERIOR EXT-2		EXTERIOR EXT-3		EXTERIOR EXT-4		CORRIDOR COR-1		CORRIDOR COR-2		UNIT SEPARATION US-1		UNIT SEPARATION US-2		INTERIOR INT-1									
ROOF																											
4	1-3/8"	1.6k	0.0k	1.4k	0.0k	1.5k	0.0k	1.1k	0.0k	1.1k	0.0k	1.1k	0.0k	0.7k	0.0k	0.8k	0.0k										
		-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A										
FLOOR	3"	3.0k	0.0k	3.2k	0.0k	2.6k	-1.2	2.4k	-1.1	2.4k	0.0k	2.4k	0.0k	2.2k	0.0k	2.1k	-1.3k	3.0k	-0.7k								
		-	N/A	-	N/A	-	S1	-	S1	-	N/A	-	N/A	-	N/A	-	S1	-	S1								
FLOOR	5/8"	6.3k	0.0k	6.3k	-1.3k	5.1k	-2.4k	4.9k	-2.2k	4.1k	0.0k	4.1k	-1.1k	4.1k	0.0k	3.8k	-2.5k	6.5k	-2.2k								
		-	N/A	-	S1	-	S2	-	S2	-	N/A	-	S1	-	N/A	-	S3	(3) 2x4	S2								
FLOOR	3/8"	11.0k	0.0k	10.4k	-2.7k	8.5k	-4.2k	8.3k	-3.9k	6.1k	0.0k	6.1k	-2.2k	6.2k	0.0k	5.8k	-3.9k	10.6k	-4.5k								
		(3) 2x6	N/A	(3) 2X6	HD-2	-	HD-3	-	HD-3	(3) 2x4	N/A	(3) 2x4	HD-2	(3) 2x4	N/A	(3) 2x4	HD-3	(5) 2x4	HD-4								
SLAB																											

ANCHOR ROD LEGEND

TAKE UP DEVICE FOR WALL BELOW AS SHOWN IN SCHEDULE

CUMULATIVE COMPRESSION (K)

CHORD STUDS E.E. OF WALL (1,2)

MIN. ANCHOR EMBEDMENT PER MANUFACTURER

DENOTES ROD BY OTHERS

BEARING PLATE AT WOOD FLRS

ANCHOR AT CONCRETE FLRS

SYMBOL ON SHEARWALL LAYOUT PLAN: (AR)

STRAP AND HOLDDOWN LEGEND

DENOTES STRAP

CUMULATIVE COMPRESSION (K)

CHORD STUDS E.E. OF SHEARWALL (1)

STRAP # AT WOOD FLRS

HOLDDOWN # AT CONCRETE FLRS

DENOTES HOLDDOWN

SYMBOL ON SHEARWALL LAYOUT PLAN: (HD)

STRAPS				
NUMBER	TYPE	NAILING	MAX. LOAD	END LENGTHS
S1	CS18	(22) 0.131"Øx2-1/2" NAILS	1370 lbs	12 in
S2	CS14	(30) 0.148"Øx2-1/2" NAILS	2490 lbs	16 in
S3	CMSTC16	(68) 0.148"Øx3-1/4" NAILS	4690 lbs	25 in

HOLDDOWNS			
NUMBER	TYPE	FASTENING	ANCHOR BOLT
HD-1	LTPP2	(12) 0.148"Øx1-1/2" NAILS	1965 lbs
HD-2	HTT4	(18) 0.148"Øx1-1/2" NAILS	3105 lbs
HD-3	HTT5	(26) 0.148"Øx3" NAILS	4015 lbs
HD-4	H0UE9-S DS3.5	(16) SDS 1/4"x3-1/2" SCREWS	7995 lbs

1. CHORD STUDS TO BE TYPICAL BUILT UP POSTS LOCATED EACH END OF SHEARWALL. NUMBER OF STUDS SHOWN IS THE **TOTAL STUD** REQUIREMENT EACH END OF WALL INCLUDING STUDS INSTALLED PER THE TYPICAL STUD WALL CORNER AND INTERSECTION DETAIL. IF CHORD STUD CELL IS BLANK, NO ADDITIONAL STUDS ARE REQUIRED BEYOND THOSE STUDS INSTALLED PER THE TYPICAL STUD WALL CORNER AND INTERSECTION DETAILS.

2. CHORD STUD REQUIREMENTS AT UNIT SEPARATION WALLS REFER TO (1) WALL OF THE (2) WALL ASSEMBLY. REFER TO SHEARWALL LAYOUT PLAN FOR CHORD STUD REQUIREMENTS AT SPECIFIC SHEARWALL DESIGNATIONS.

3. AT ANCHOR ROD CONDITIONS, REFER TO STUD WALL CORNER AND INTERSECTION DETAIL FOR STUD PLACEMENT AROUND ANCHOR ROD.

4. AT LOCATIONS WHERE STRAPS ARE CALLED OUT, BOTTOM OF THE STRAPS SHALL BE ONLY ATTACHED AT THE END OF THE FRAMING PROCESS JUST PRIOR TO INSTALLING DRYWALL.

5. ALL HEX NUTS AT ANCHOR ROD BEARING PLATES TO BE SNUG TIGHTENED AT THE END OF THE FRAMING PROCESS JUST PRIOR TO INSTALLING DRYWALL.

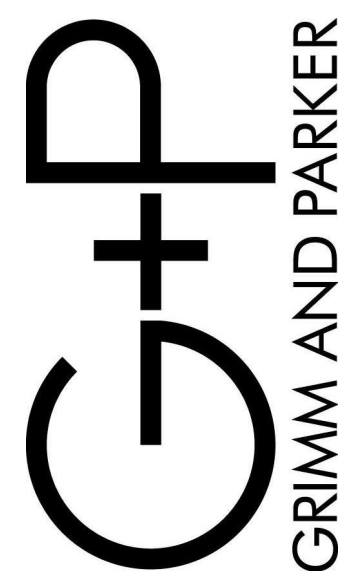
6. NUMBER OF STRAPS CALLED OUT ARE TO BE INSTALLED AT EACH END OF THE WALL, UNO.

7. AT ALL EXTERIOR WALLS WHERE VERTICAL STRAPS ARE CALLED OUT, STRAPS SHALL BE INSTALLED ON THE INSIDE FACE OF THE WALL.

8. ALL HOLDDOWNS, ANCHORS, AND STRAPS TO BE "SIMPSON STRONG TIE" PRODUCTS, UNO. CONTRACTOR MAY SUBMIT ALTERNATE FOR APPROVAL.



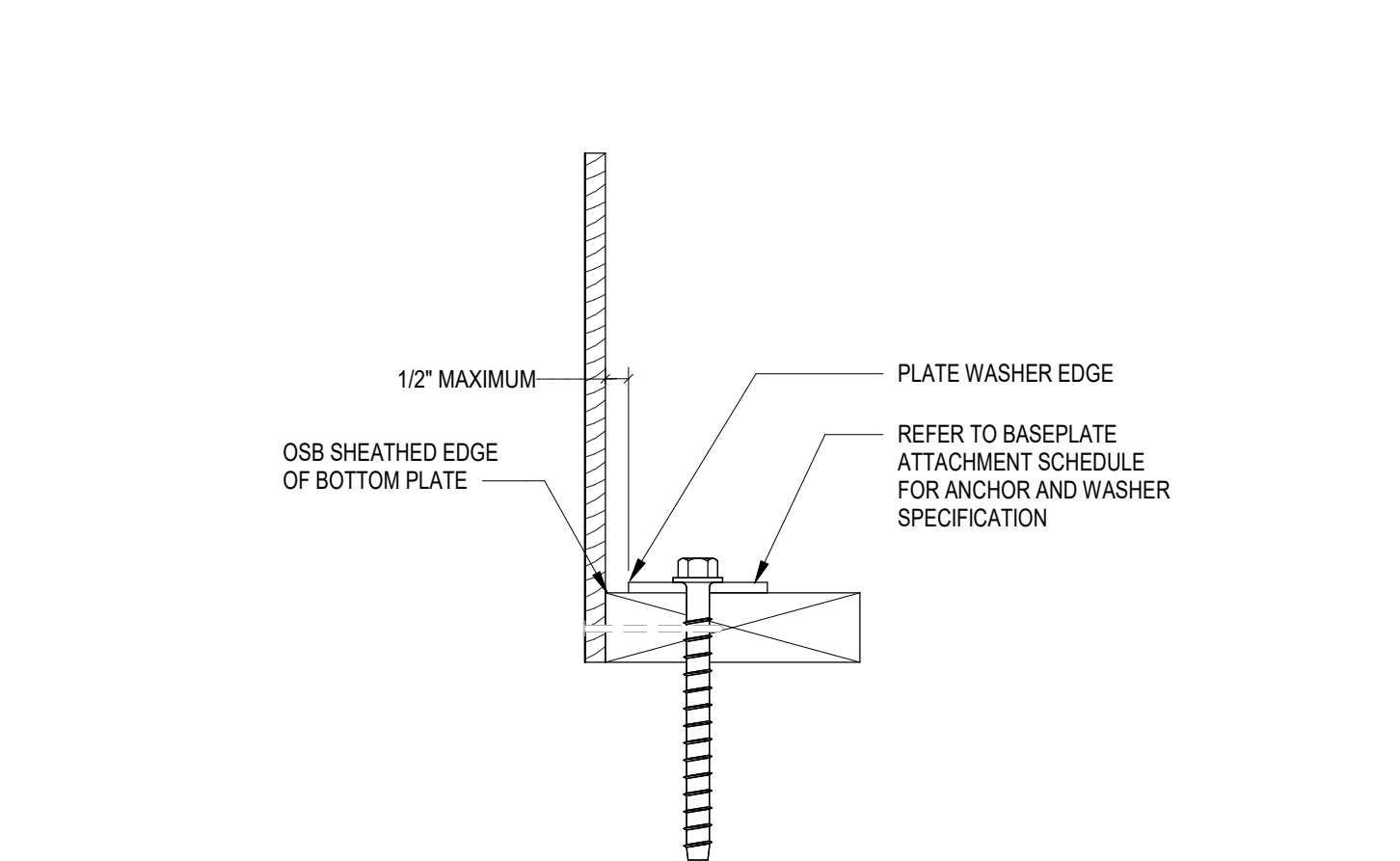
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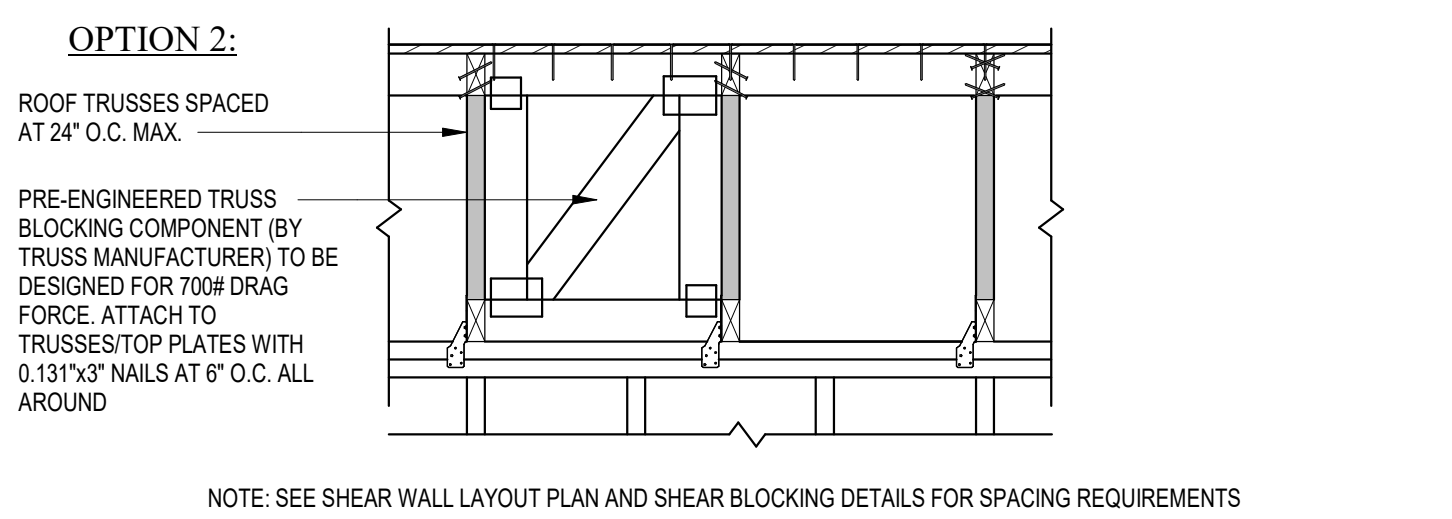
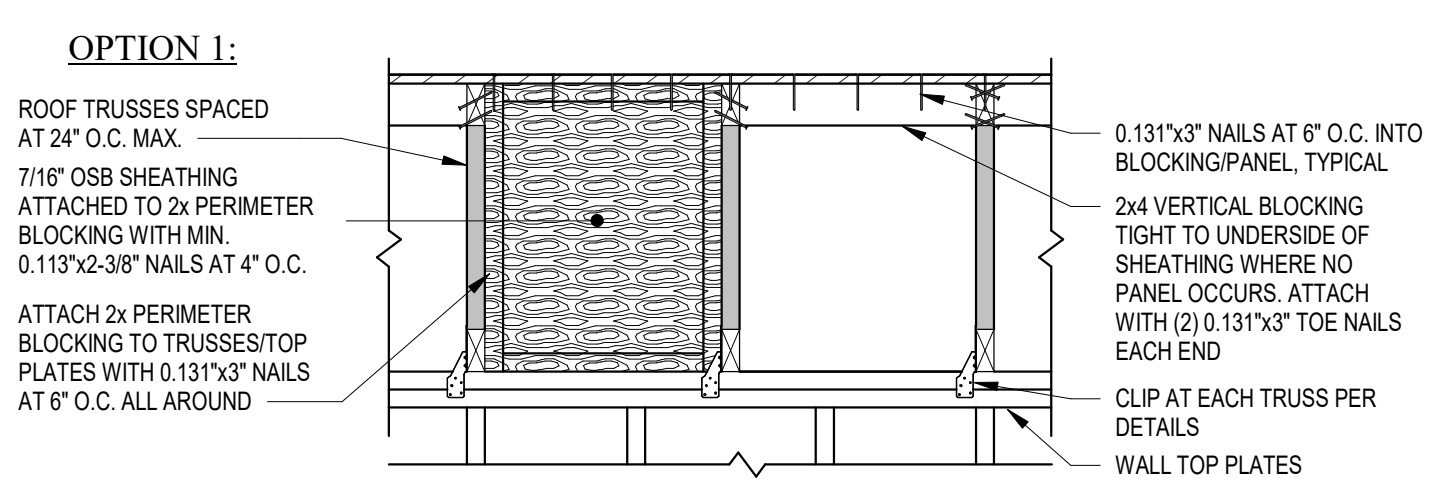
SHEAR WALL DETAILS

[illegible]

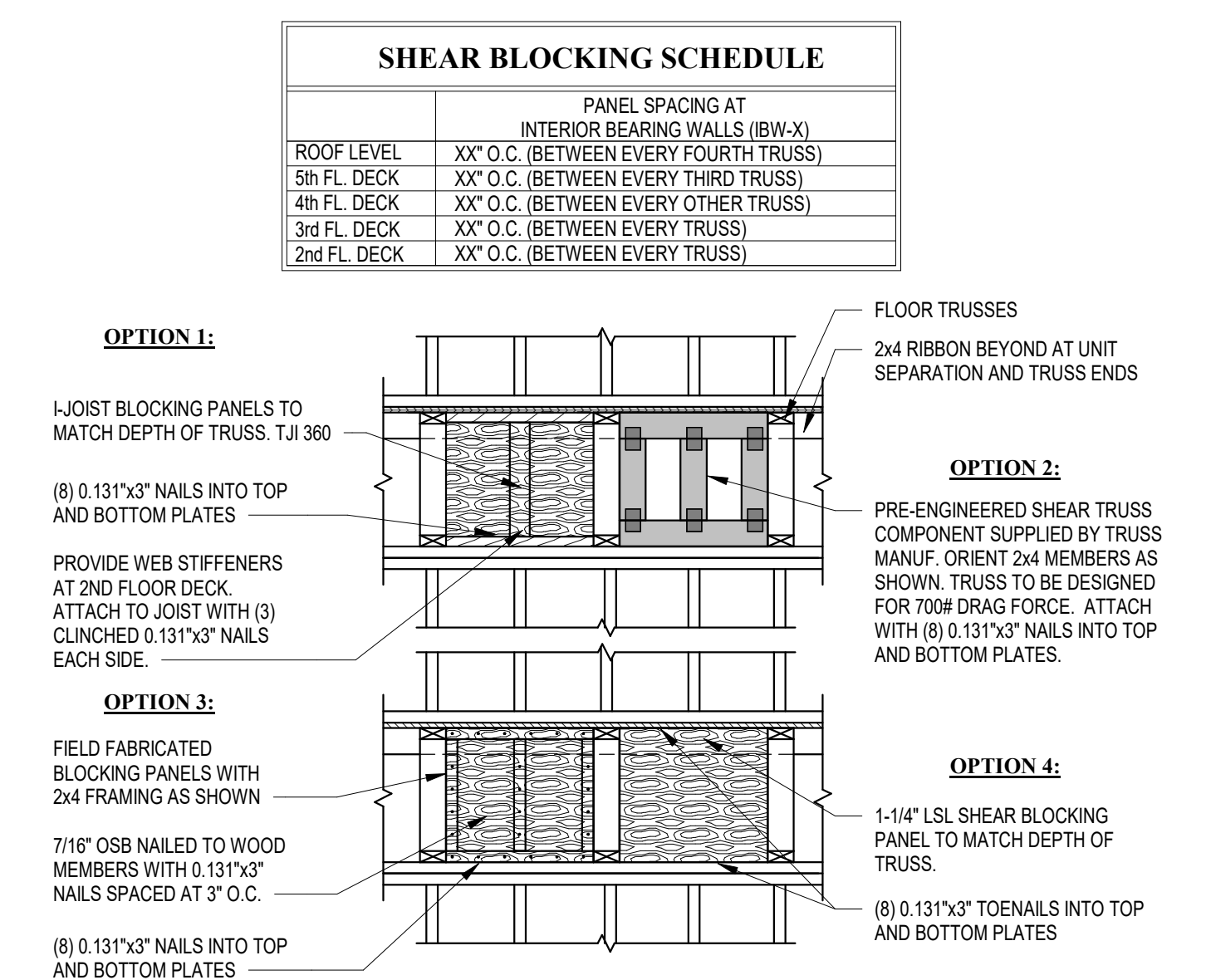
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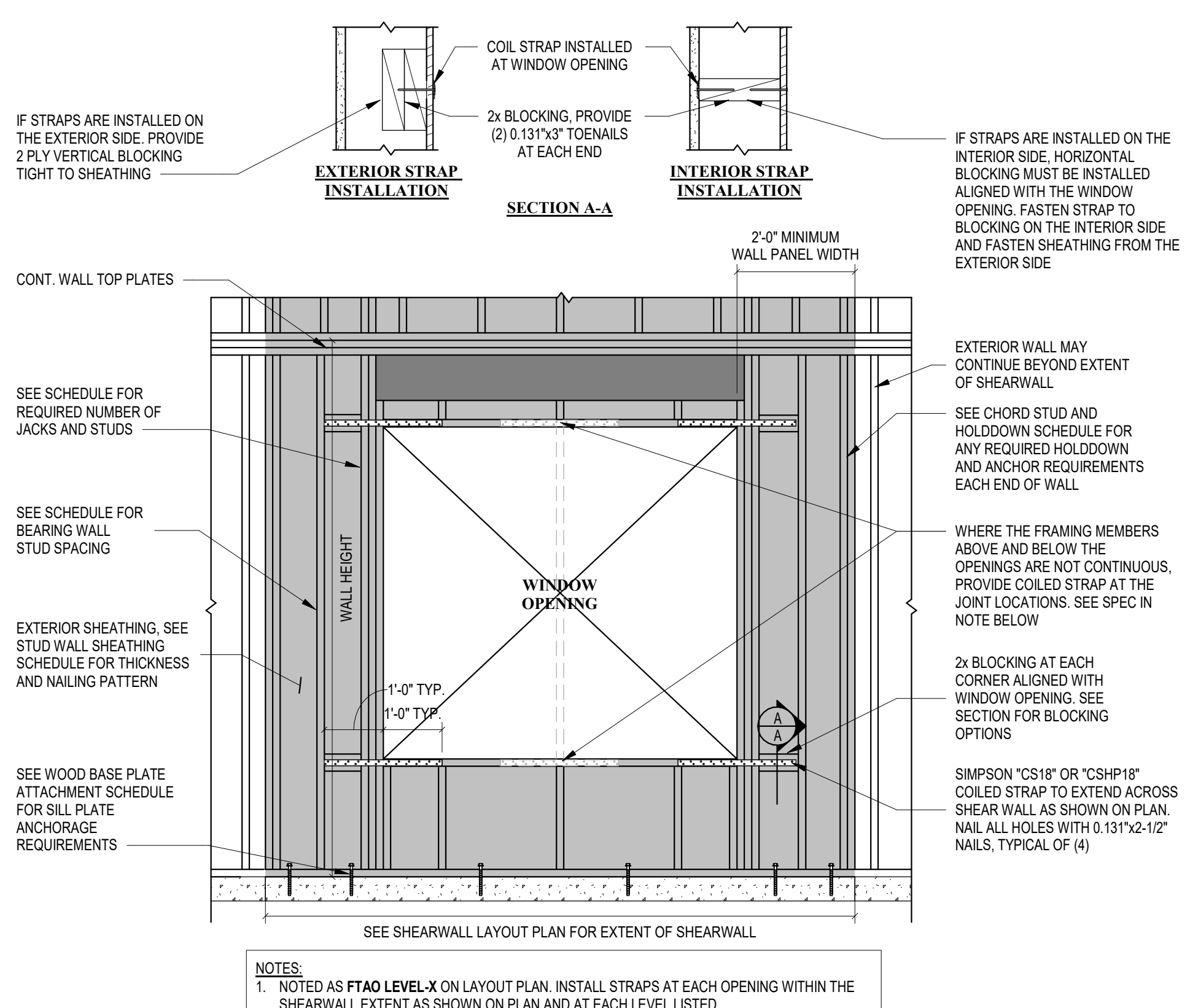
8 DISTANCE FROM WASHER TO SHEATHING EDGE
SCALE: 3" = 1'-0"



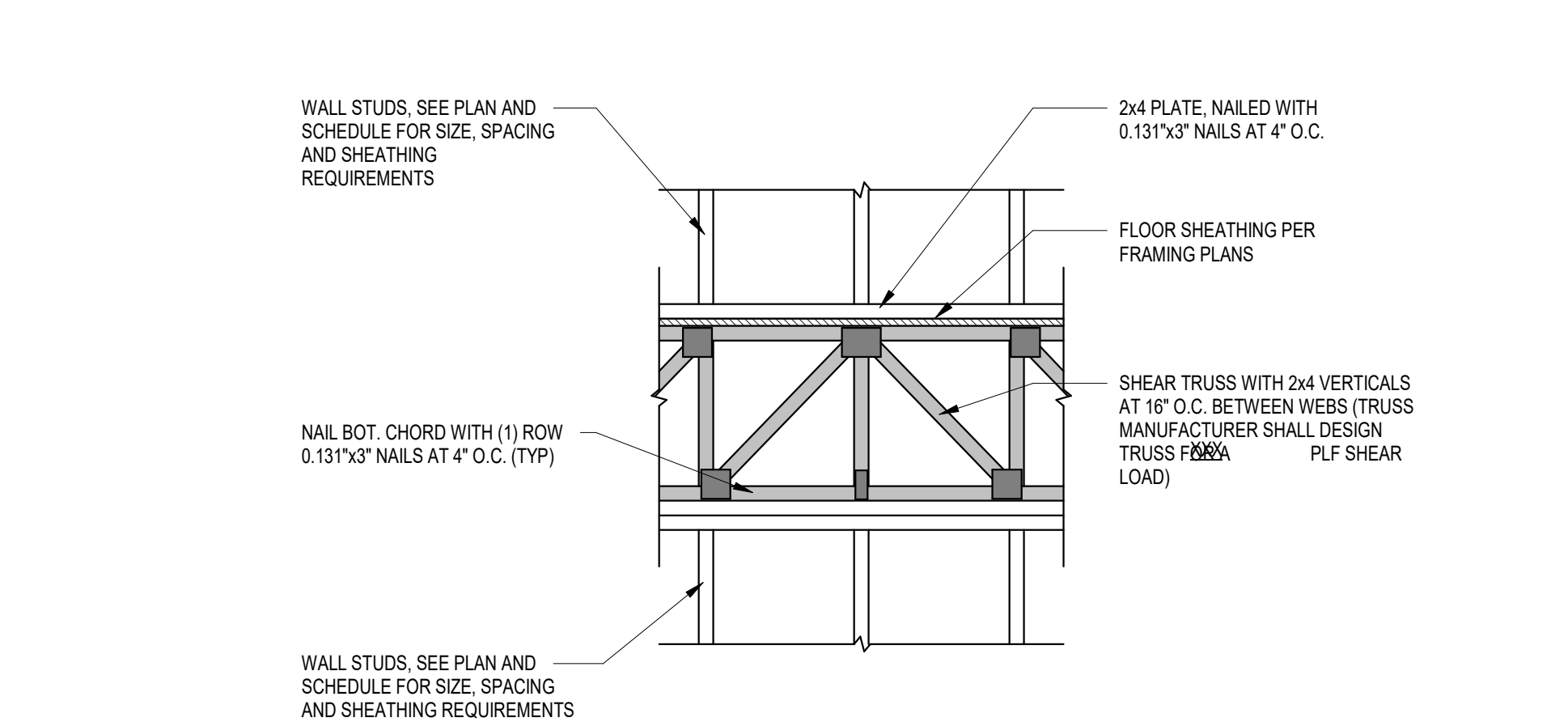
9 TYPICAL SHEAR BLOCKING AT ROOF
SCALE: N.T.S.



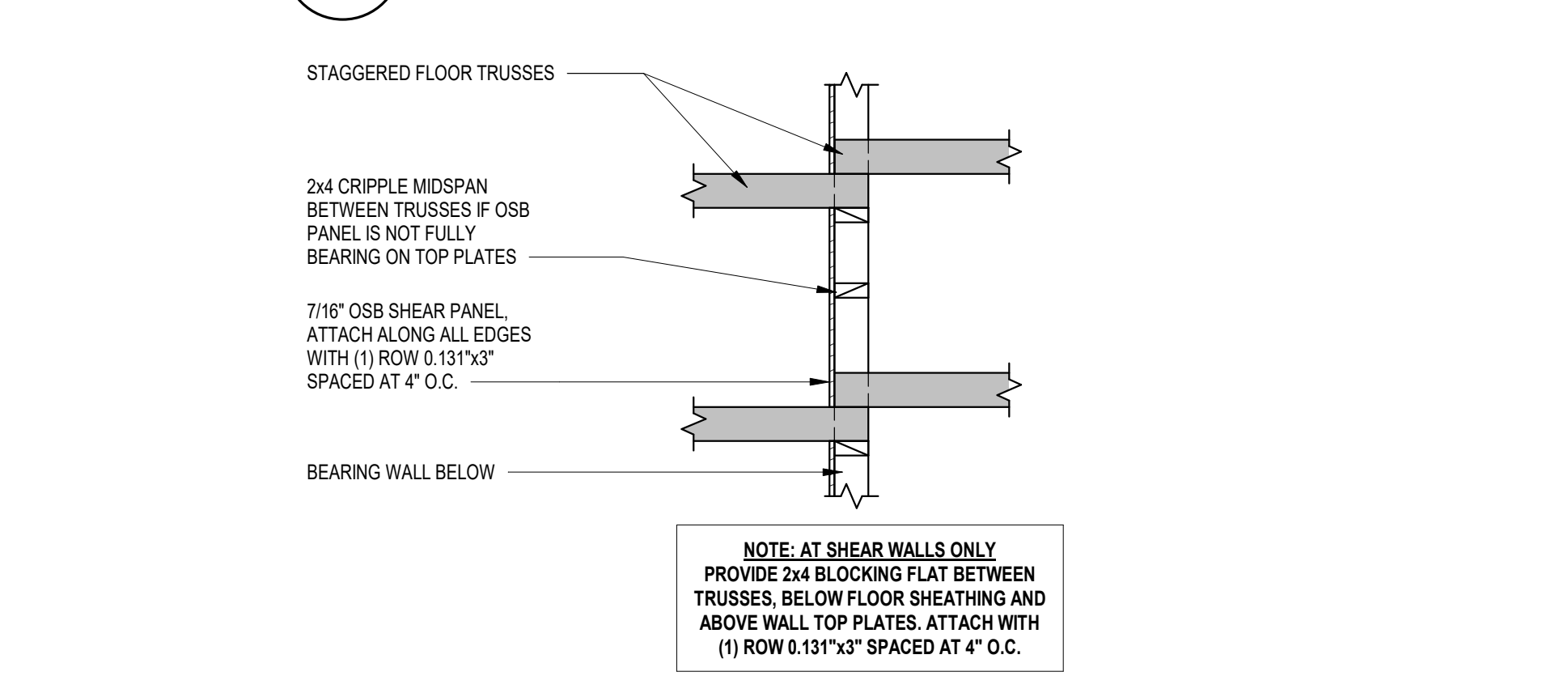
10 TYPICAL SHEAR BLOCKING OPTIONS
SCALE: N.T.S.



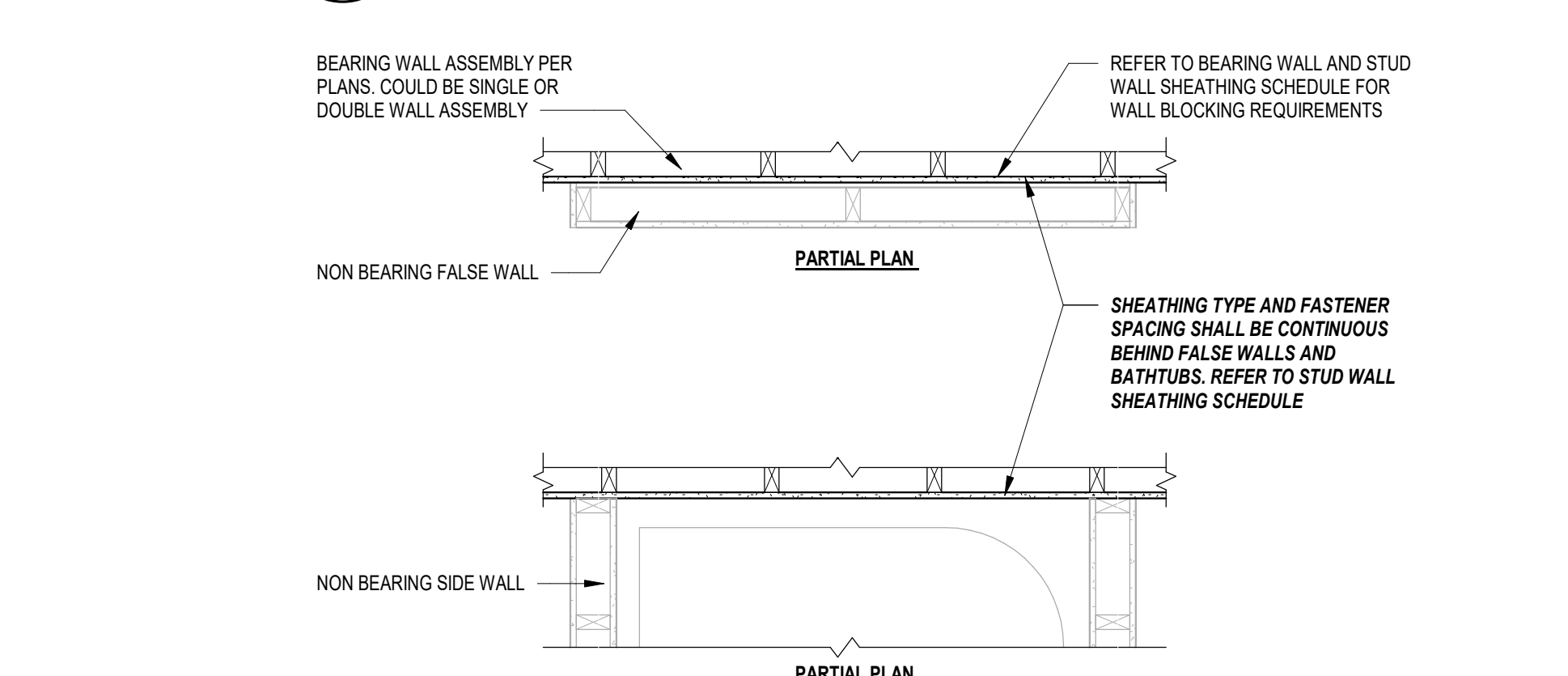
4 FORCE TRANSFER AROUND OPENING
SCALE: N.T.S.



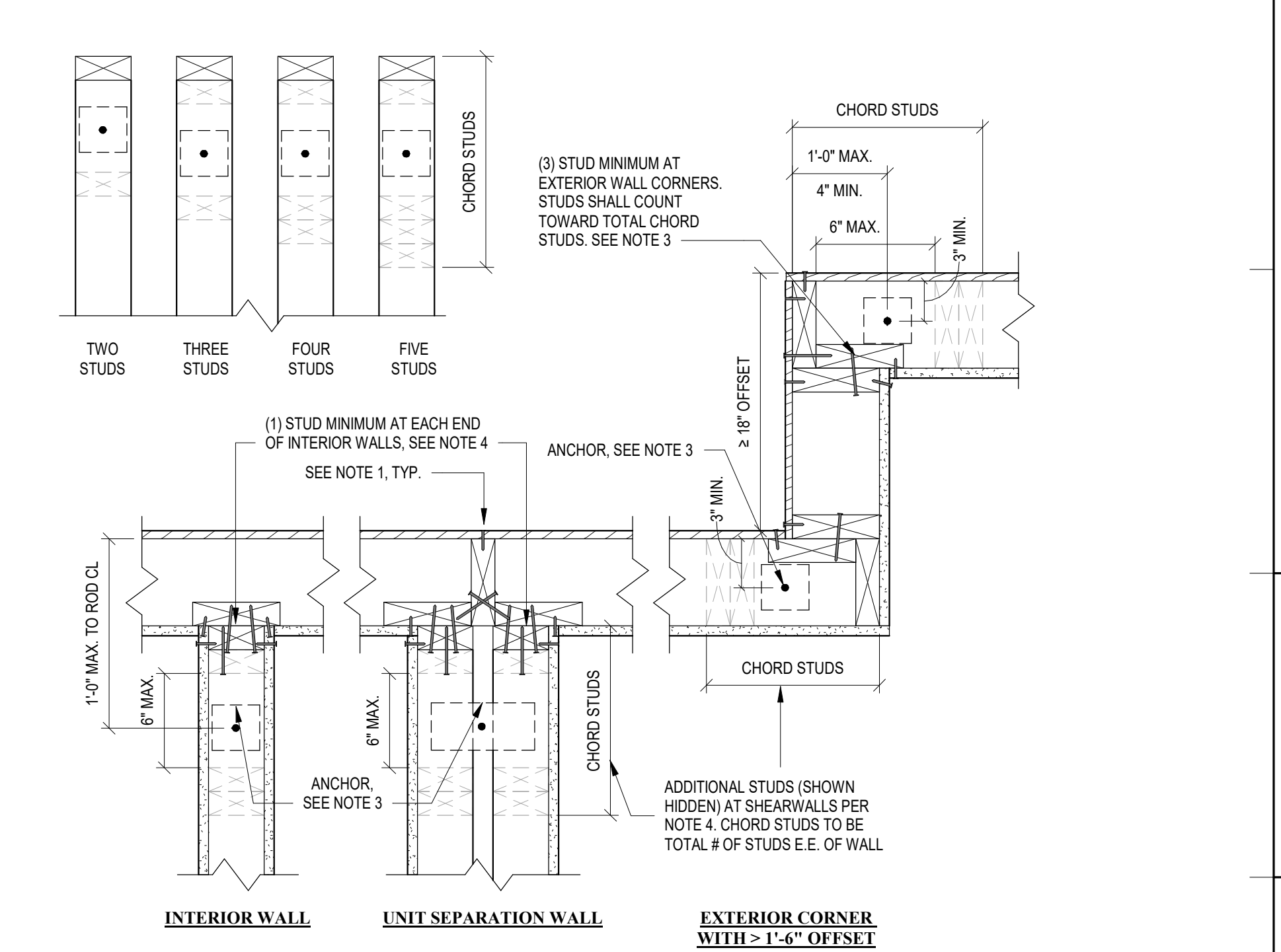
5 CONTINUOUS BEARING SHEAR TRUSS
SCALE: N.T.S.



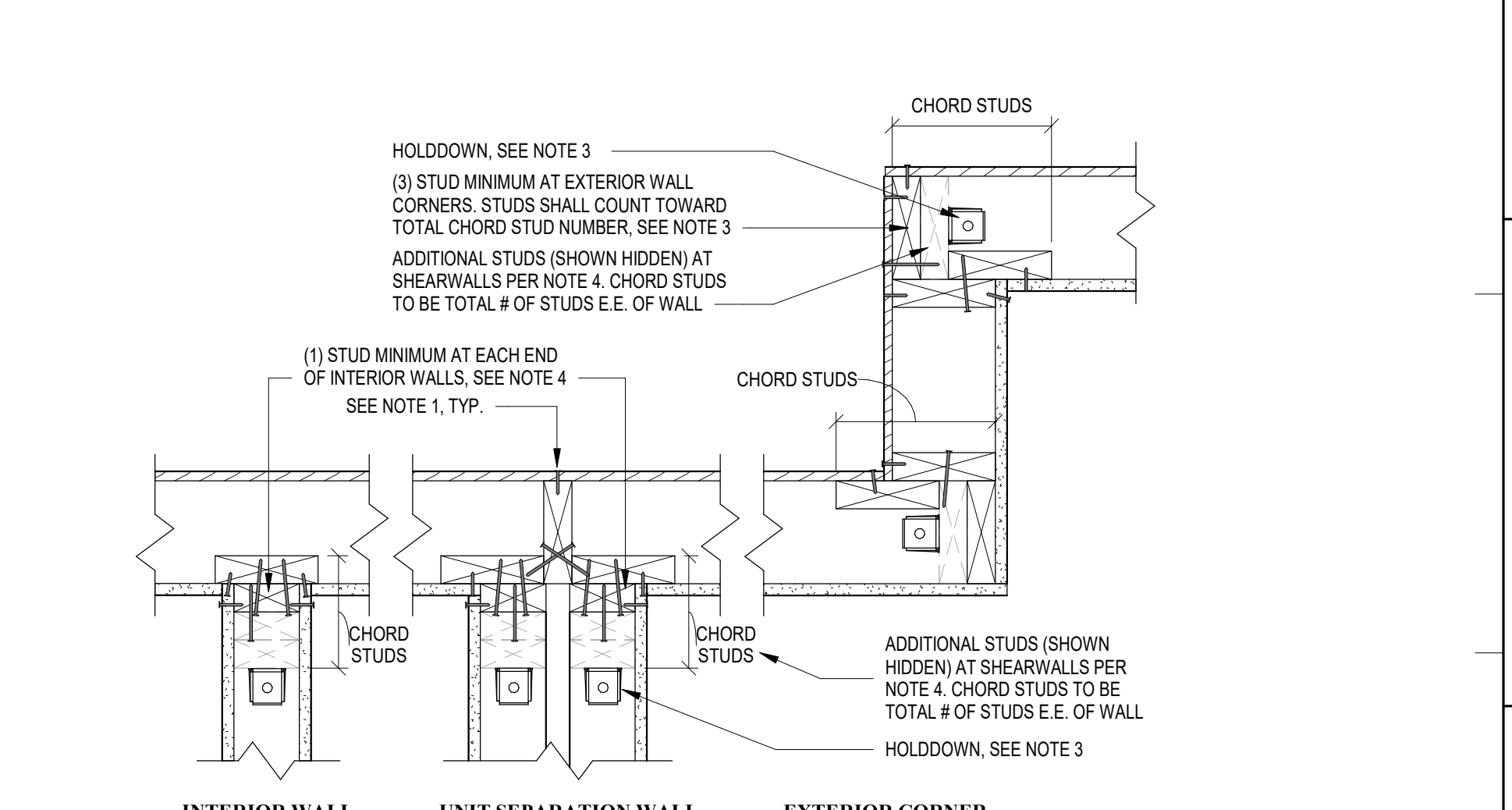
6 STAGGERED TRUSS BEARING
SCALE: N.T.S.



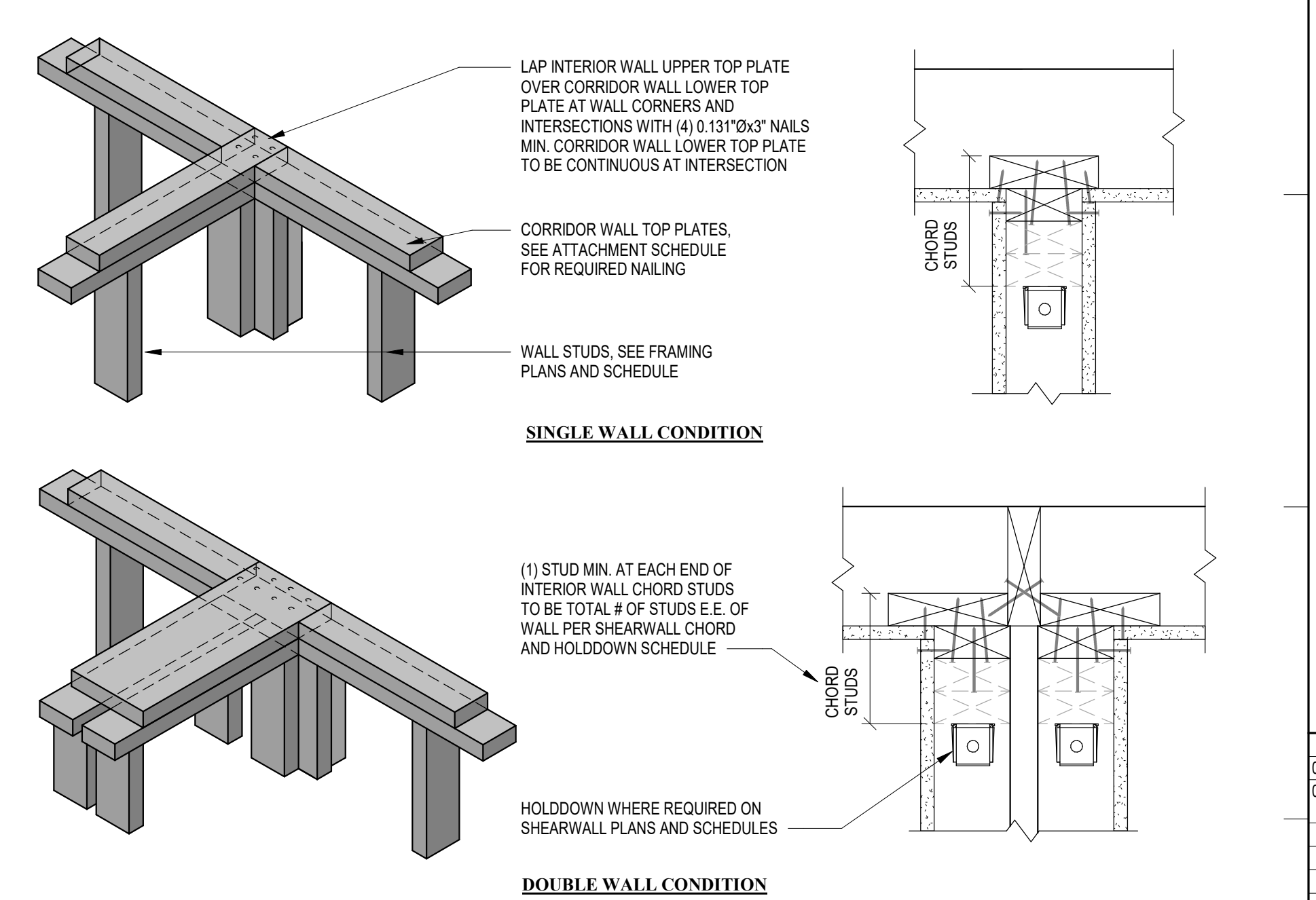
7 SHEATHING ATTACHMENT BEHIND FALSE WALLS / TUBS
SCALE: N.T.S.



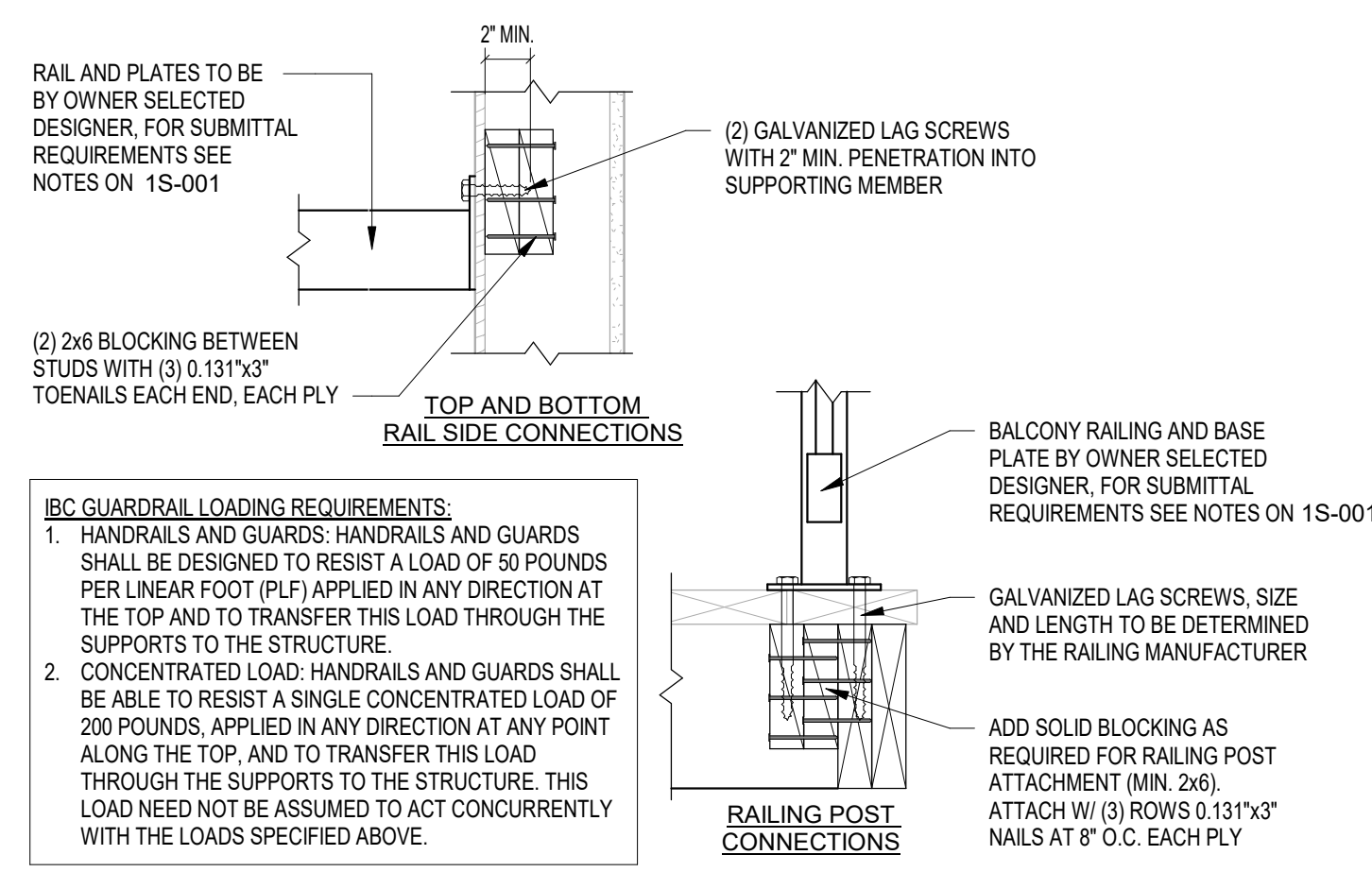
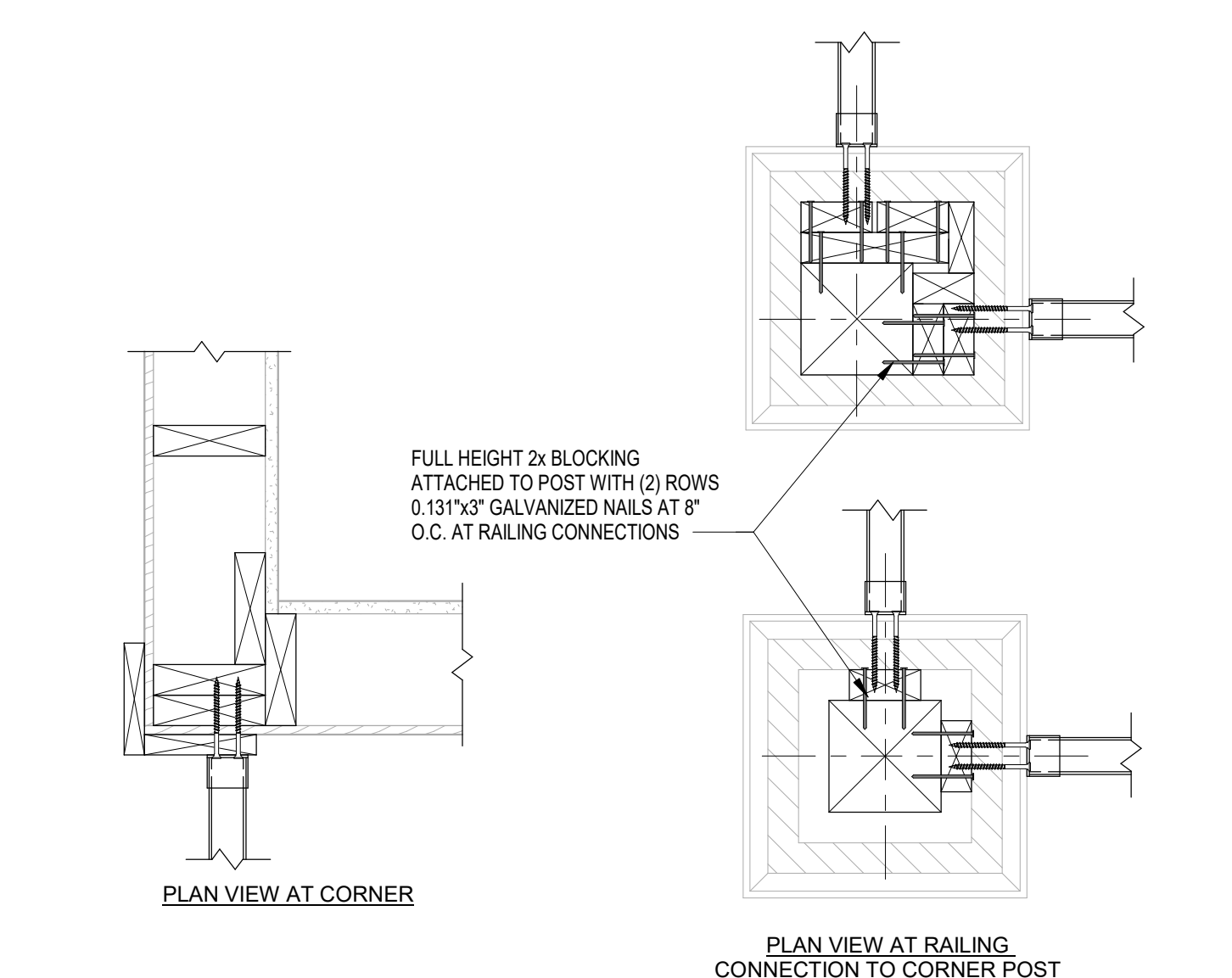
1 STUD WALL CORNER AND INTERSECTION FRAMING
SCALE: N.T.S.



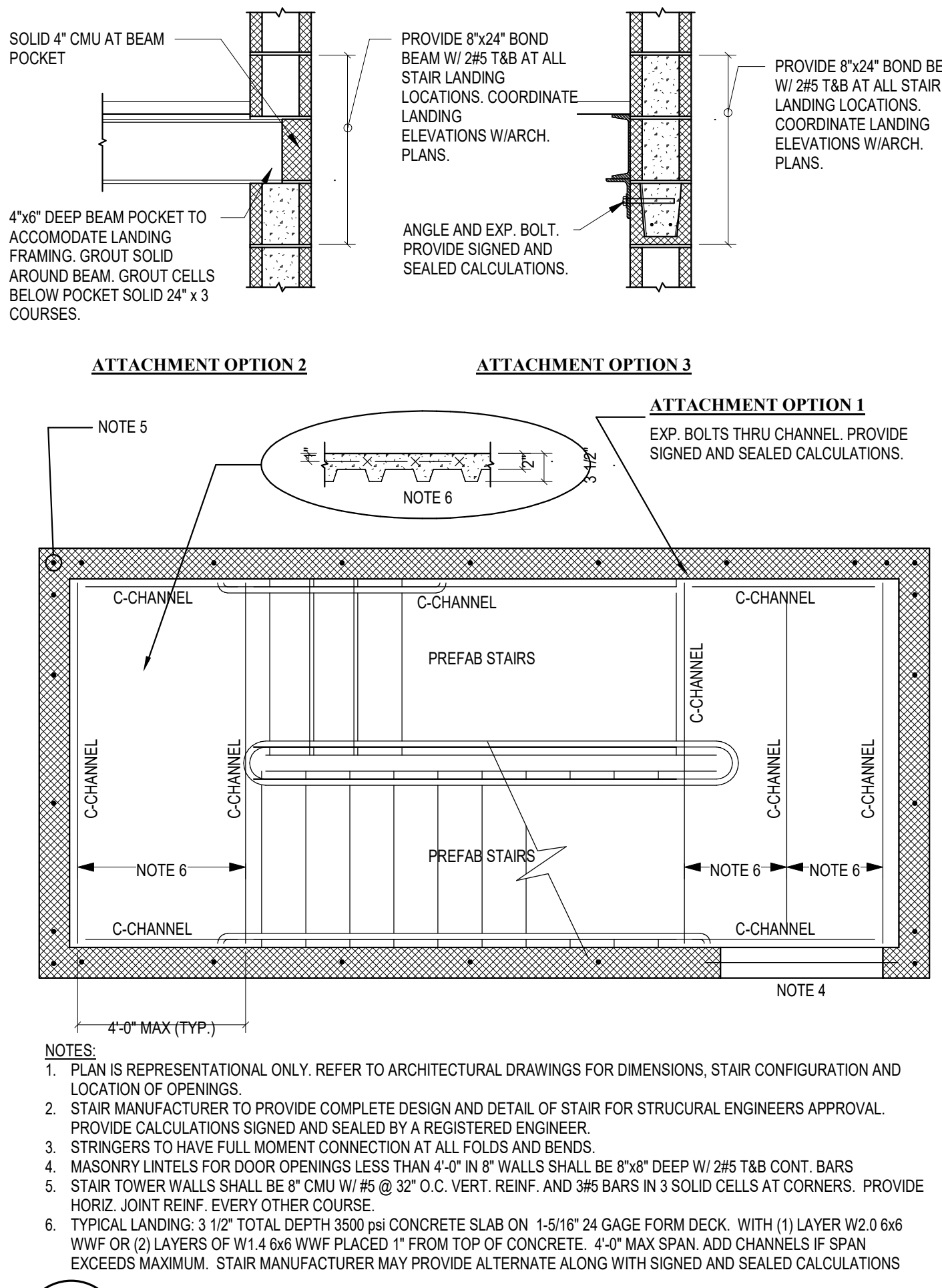
2 STUD WALL CORNER AND INTERSECTION FRAMING
SCALE: N.T.S.



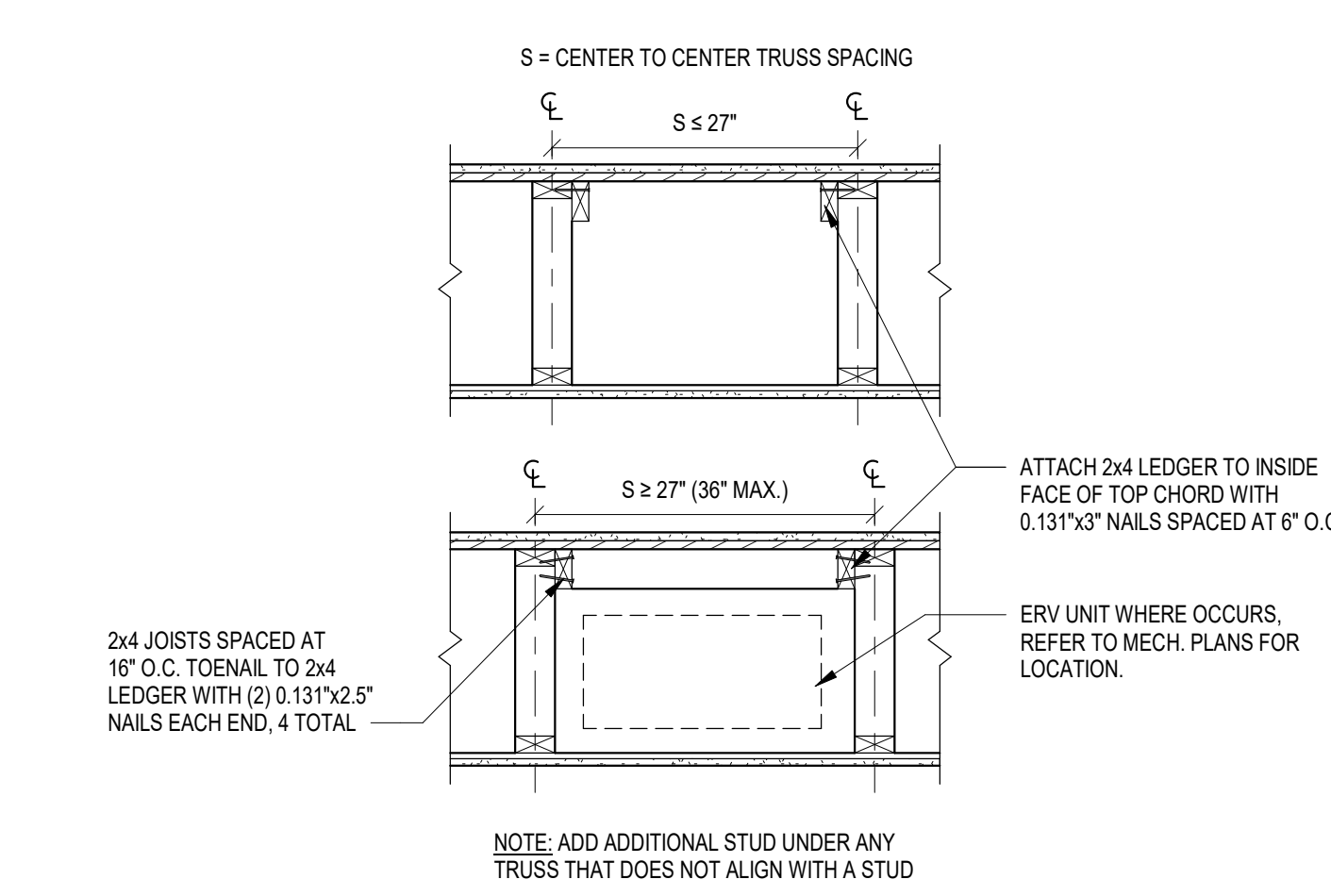
3 TYPICAL INTERIOR SHEAR WALL INTERSECTION
SCALE: N.T.S.



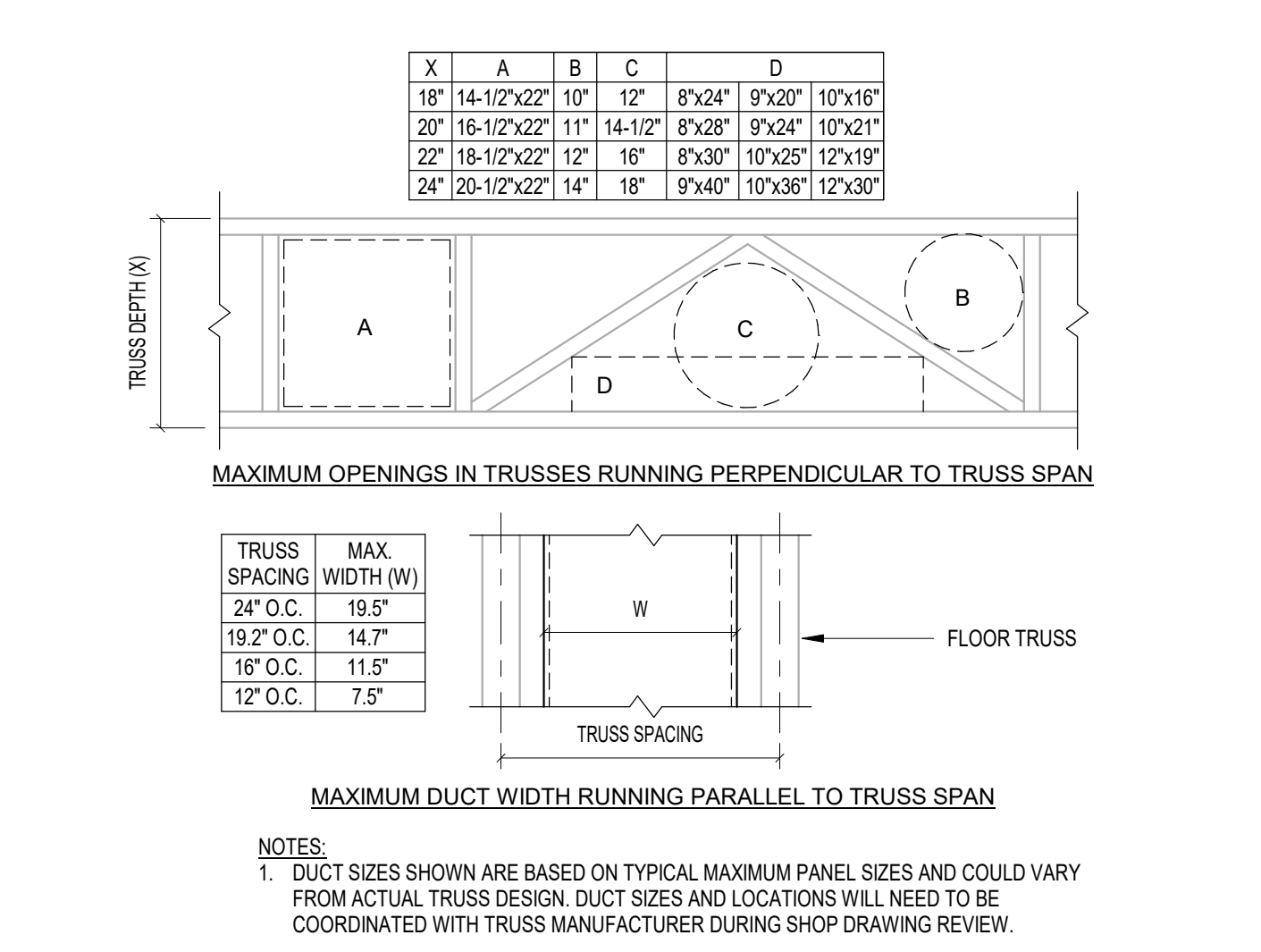
12
S-502 **BALCONY GUARDRAIL CONNECTION DETAIL**
SCALE: N.T.S. 01.06.21



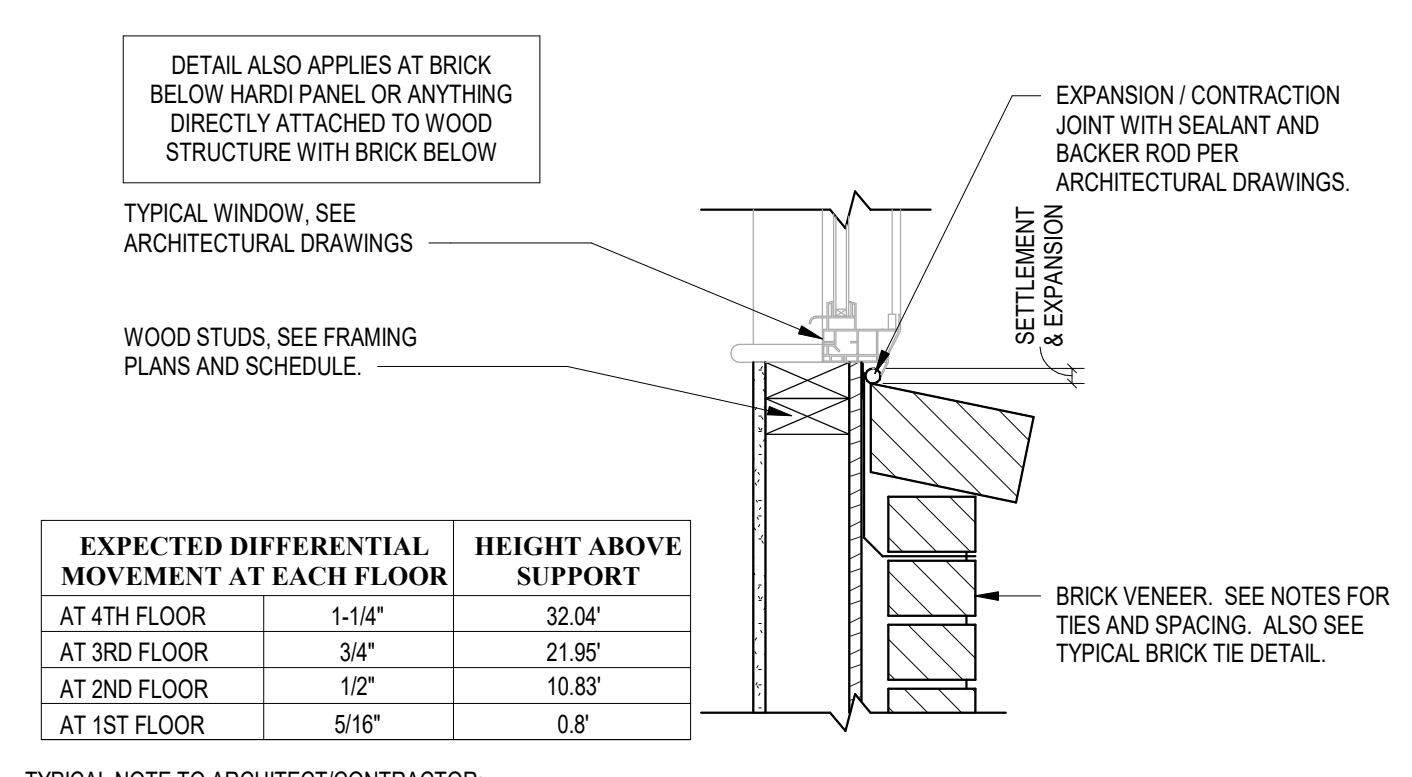
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S-502 **TYPICAL CMU STAIR TOWER**
SCALE: N.T.S.



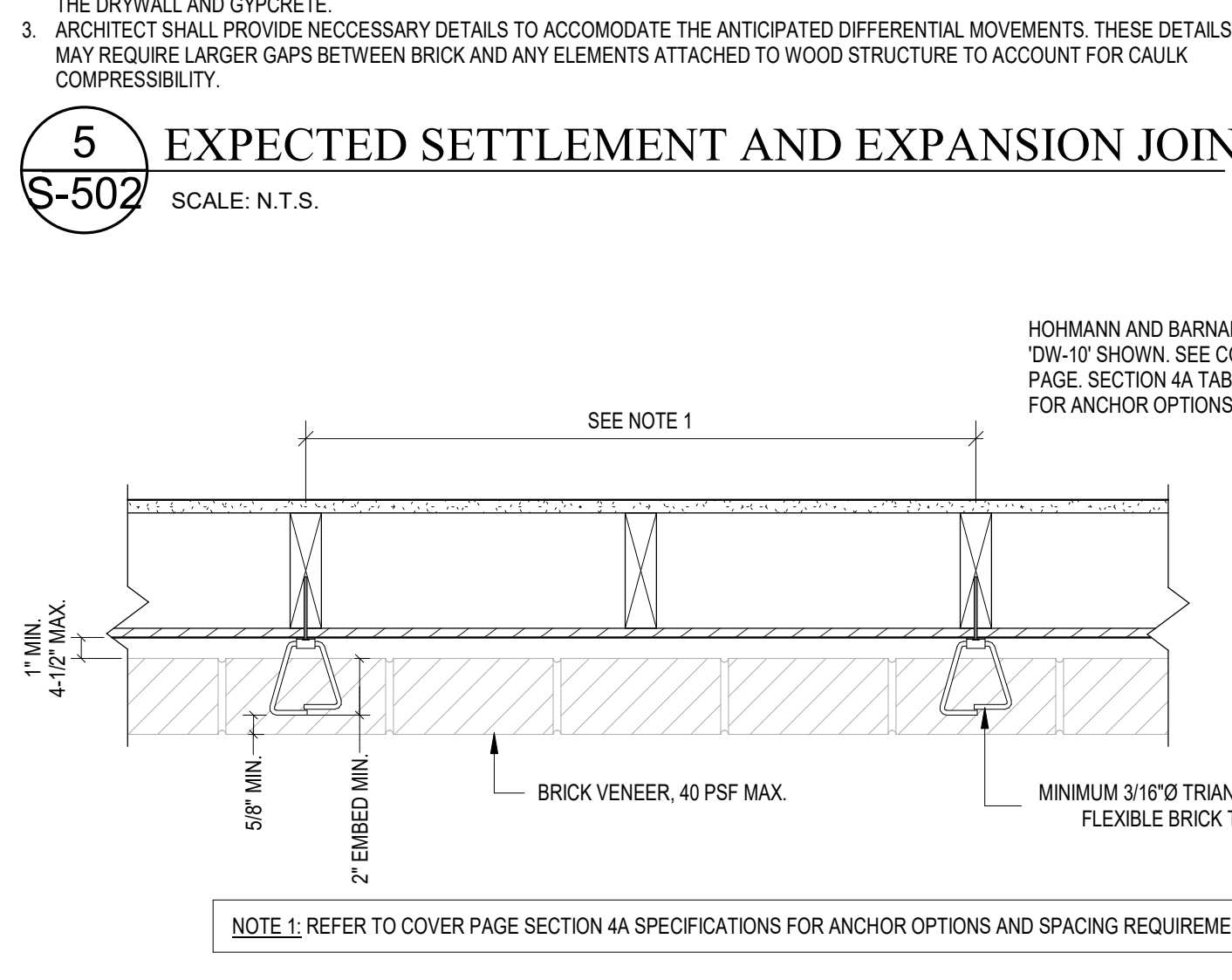
10
S-502 **TRUSSES SPACED AT GREATER THAN 24\" O.C.**
SCALE: N.T.S. 10.12.18



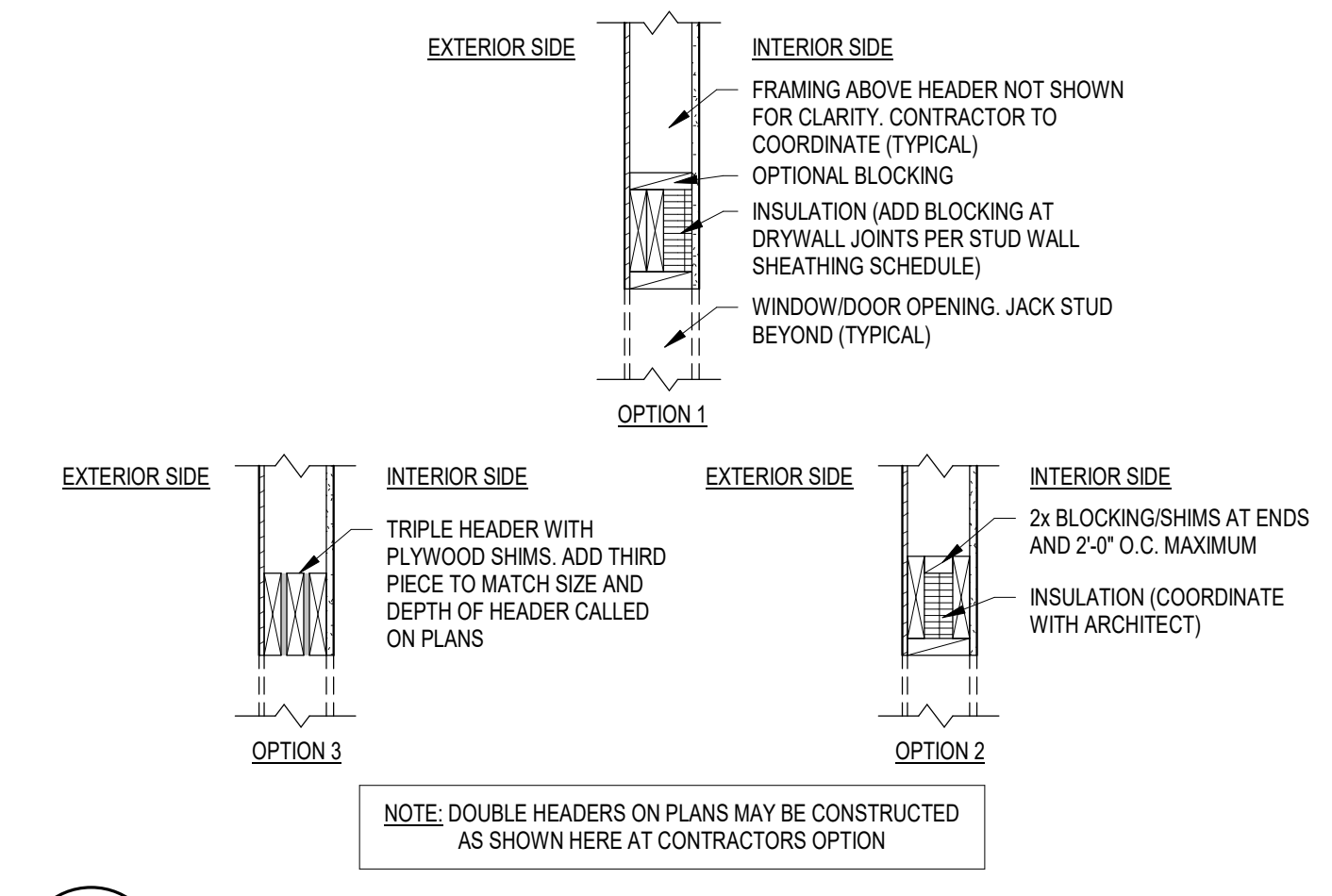
11
S-502 **TRUSS OPENING GUIDELINES**
SCALE: N.T.S. 09.01.2020



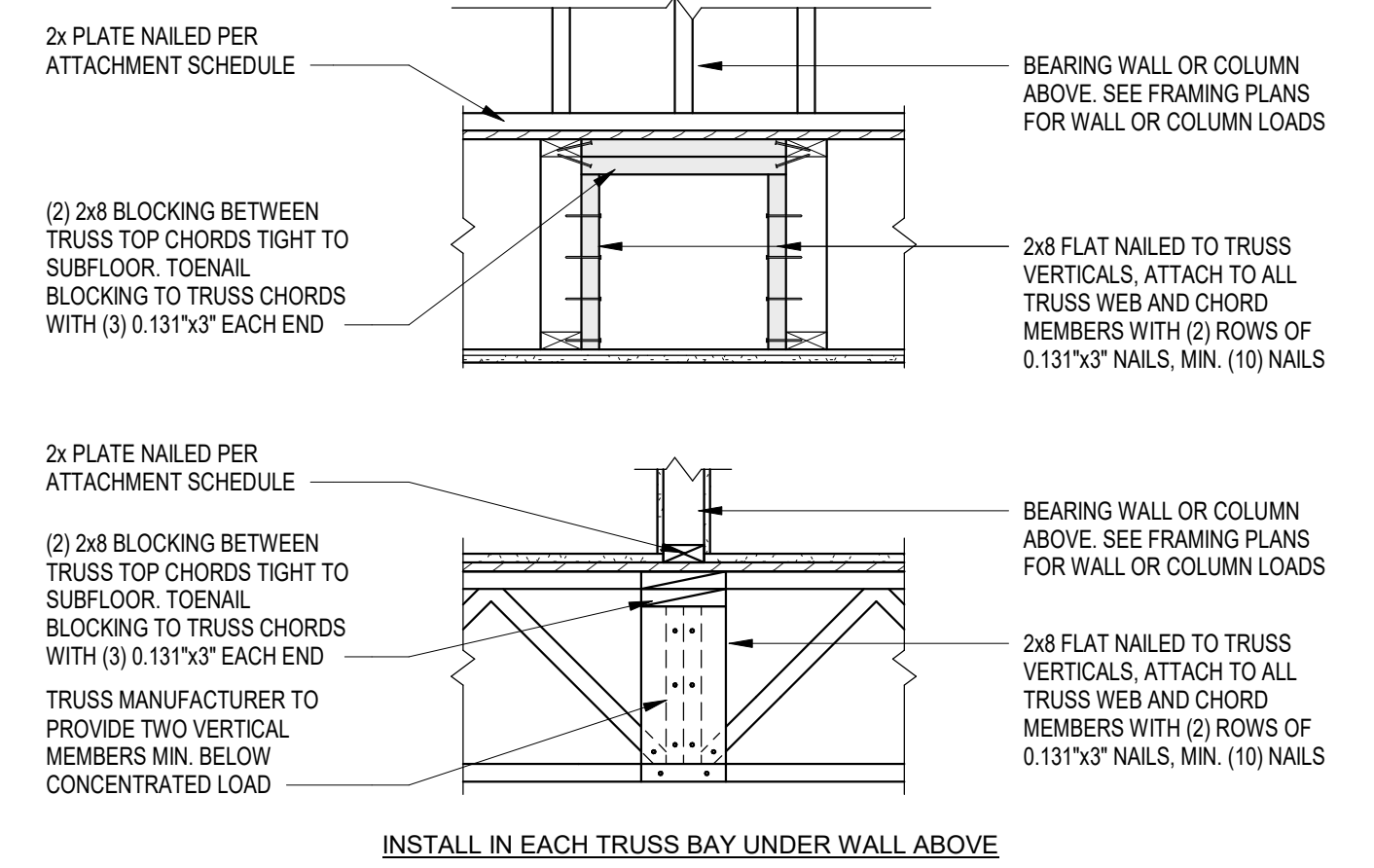
5
S-502 **EXPECTED SETTLEMENT AND EXPANSION JOINT**
SCALE: N.T.S.



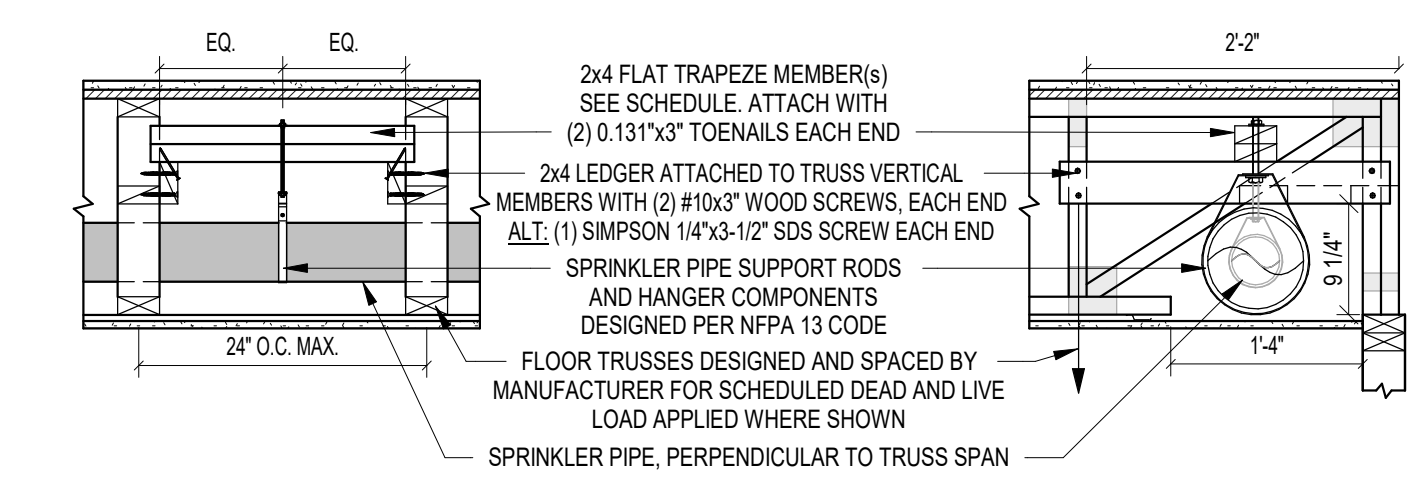
6
S-502 **ADJUSTABLE BRICK ANCHOR - WOOD STUD BACKUP**
SCALE: N.T.S. 01.27.25



7
S-502 **2-PLY HEADER OPTIONS FOR 2x6 WALLS**
SCALE: N.T.S. 01.06.21



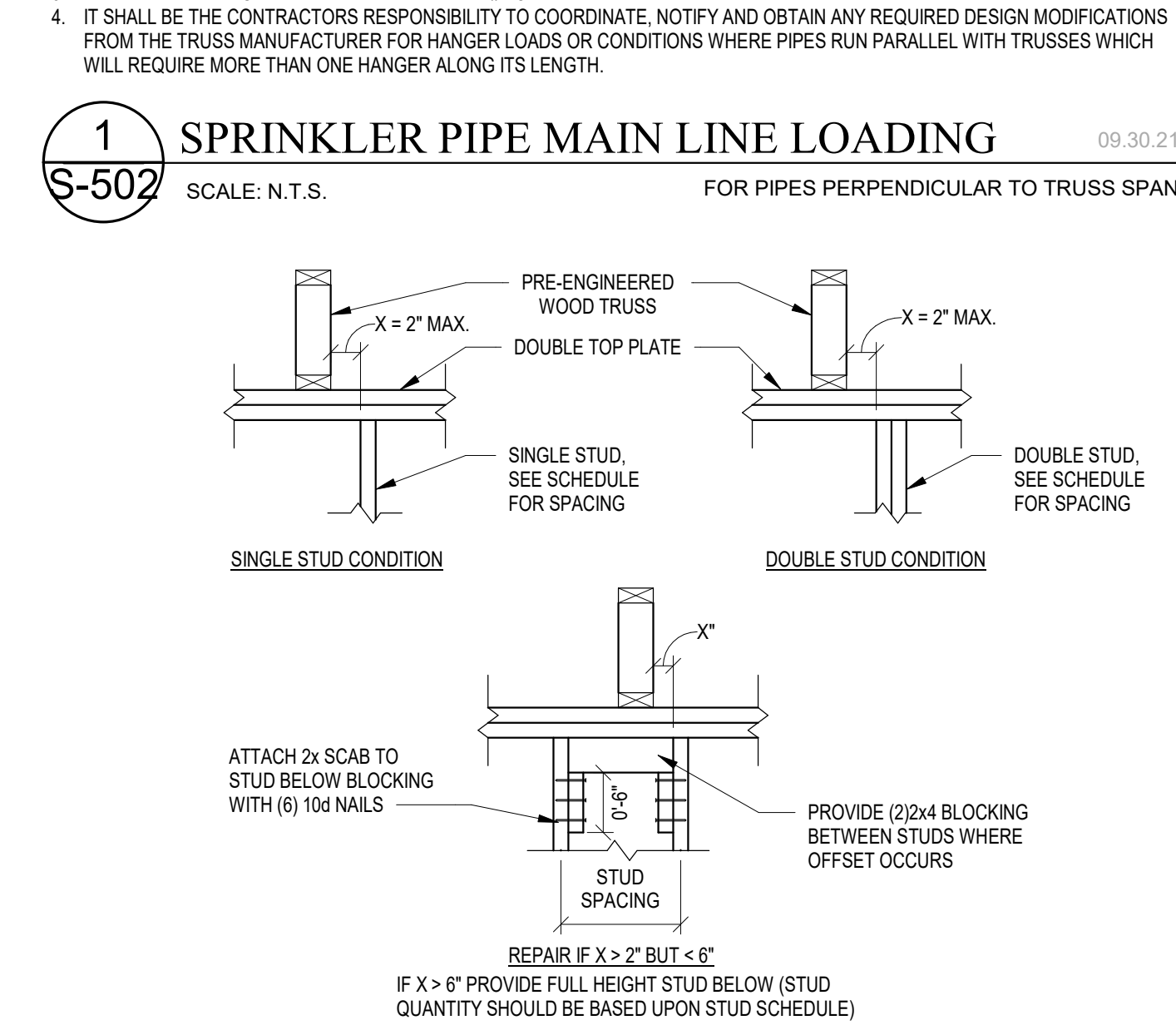
8
S-502 **TRUSS SUPPORTING BEARING WALL ABOVE**
SCALE: N.T.S. 05.09.17



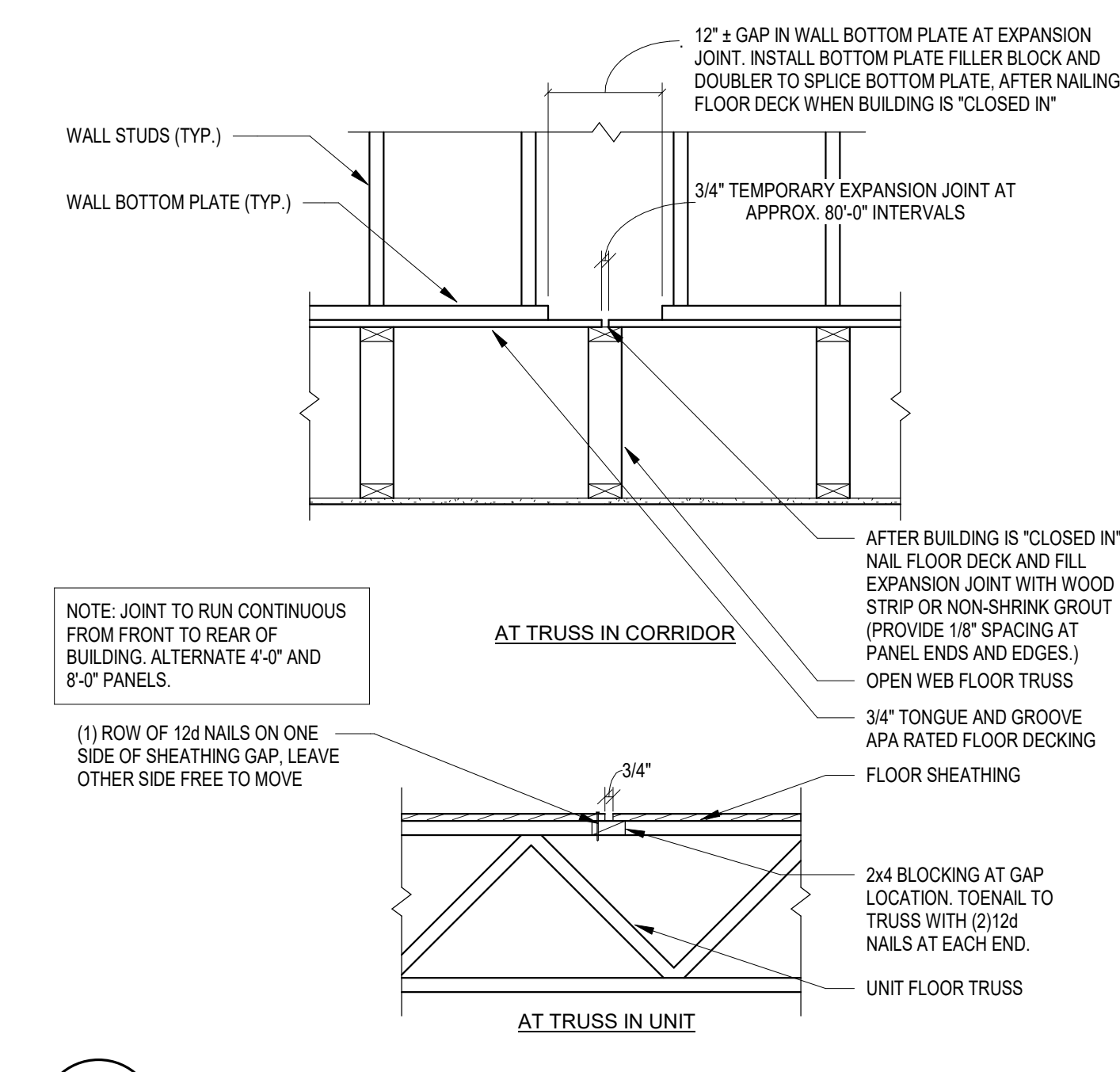
SCHEDULE 40/10 - SPRINKLER PIPE LOADING

PIPE INSIDE DIA. (INCHES)	WET PIPE WT. (PLF)	HANGER SPACING (FEET)	DEAD LOAD REACTION (1) (LBS)	LIVE LOAD REACTION (2) (LBS)	TOTAL LOAD REACTION (LBS)	TRAPEZE MEMBER	POINT LOAD ON TRUSS (LIVE LOAD) (LBS)	DEAD LOAD (LBS)
4.0	15.40	11.78	14.0	250	264	SCH. 40 SCH. 10	244	65
5.0	23.47	17.30	14.0	329	343	SCH. 40 SCH. 10	244	65
6.0	31.69	23.03	14.0	444	458	SCH. 40 SCH. 10	244	65
8.0	47.70	40.06	14.0	668	682	SCH. 40 SCH. 10	244	65

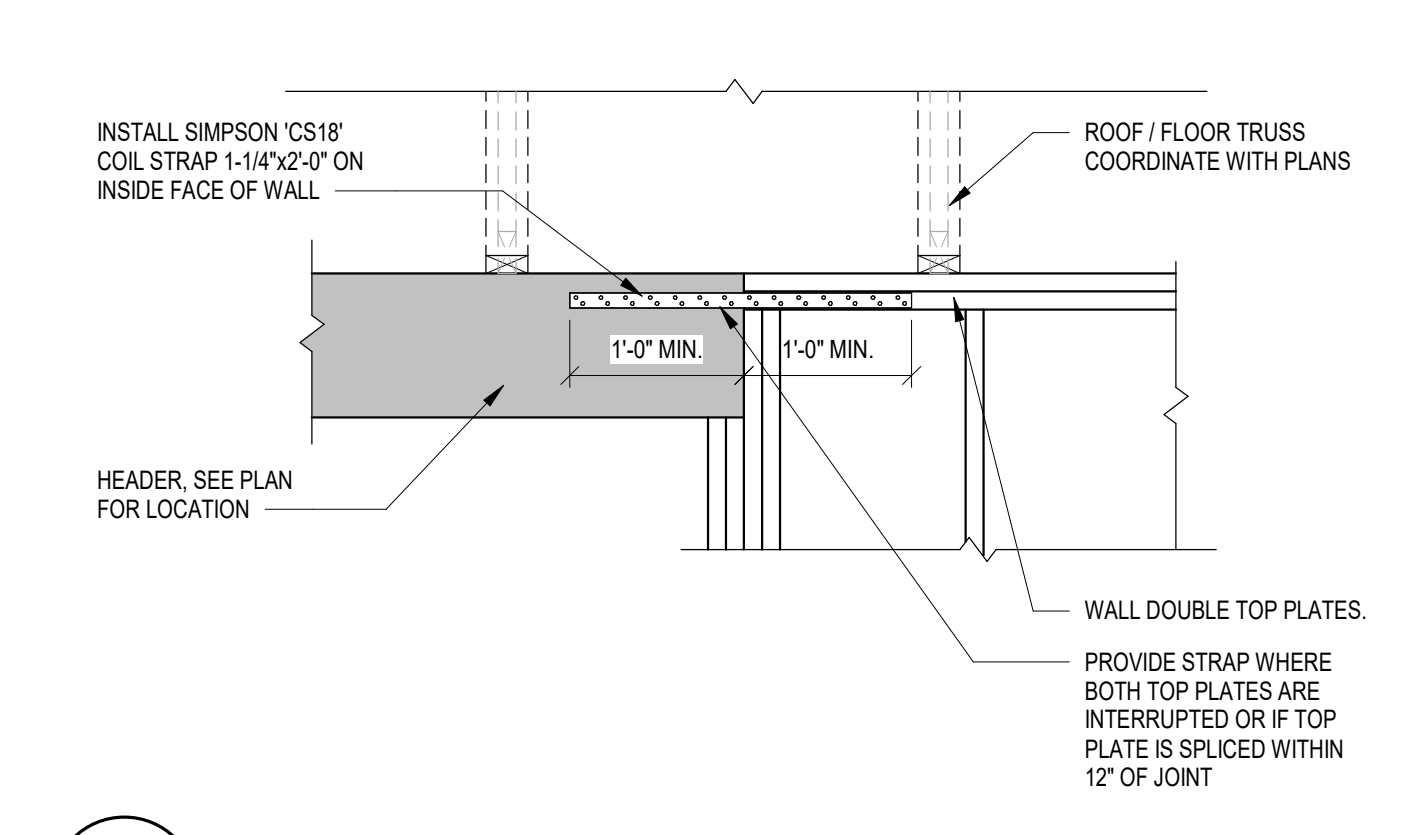
1
S-502 **SPRINKLER PIPE MAIN LINE LOADING**
SCALE: N.T.S. 09.30.21



2
S-502 **GUIDE FOR MAXIMUM TRUSS OFFSET**
SCALE: N.T.S. WHERE STUDS SPACED AT 12\" O.C.



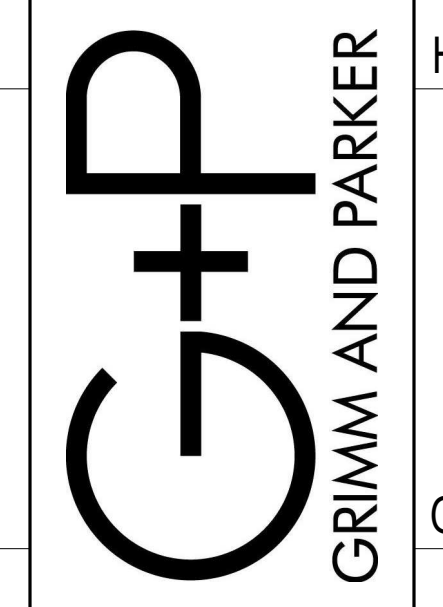
3
S-502 **TEMPORARY FLOOR SHEATHING EXPANSION JOINT**
SCALE: N.T.S.



4
S-502 **STRAP WHERE EXT. WALL TOP PLATES INTERRUPTED**
SCALE: N.T.S. 04.08.24



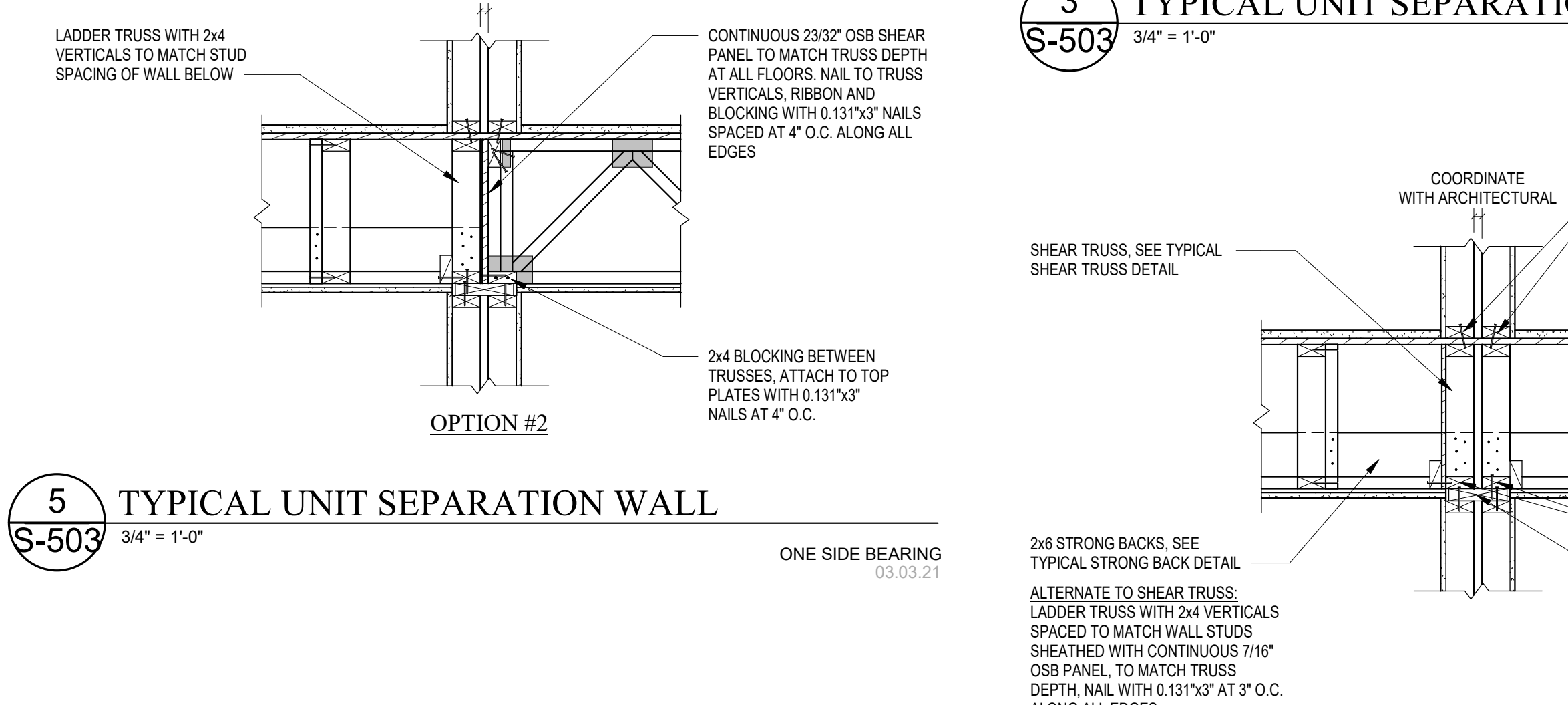
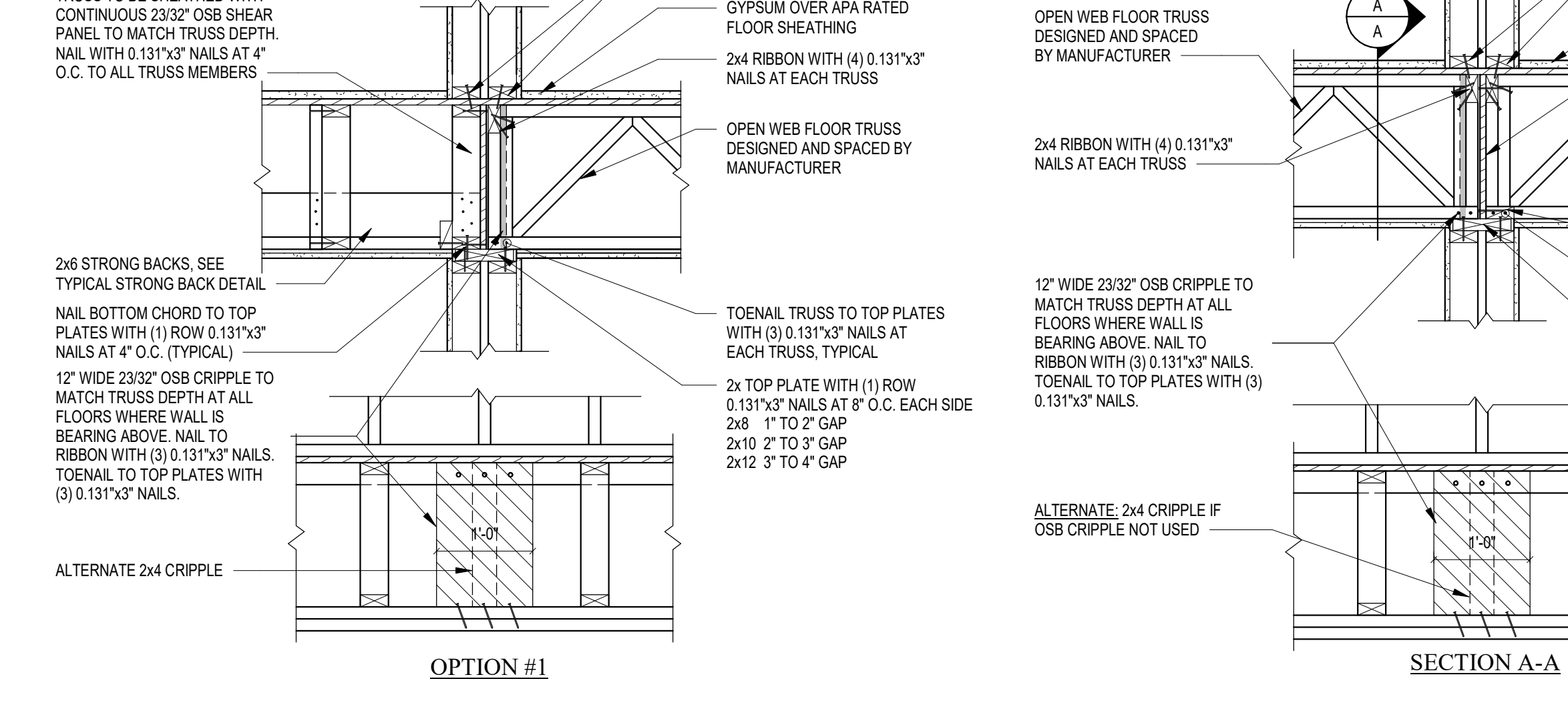
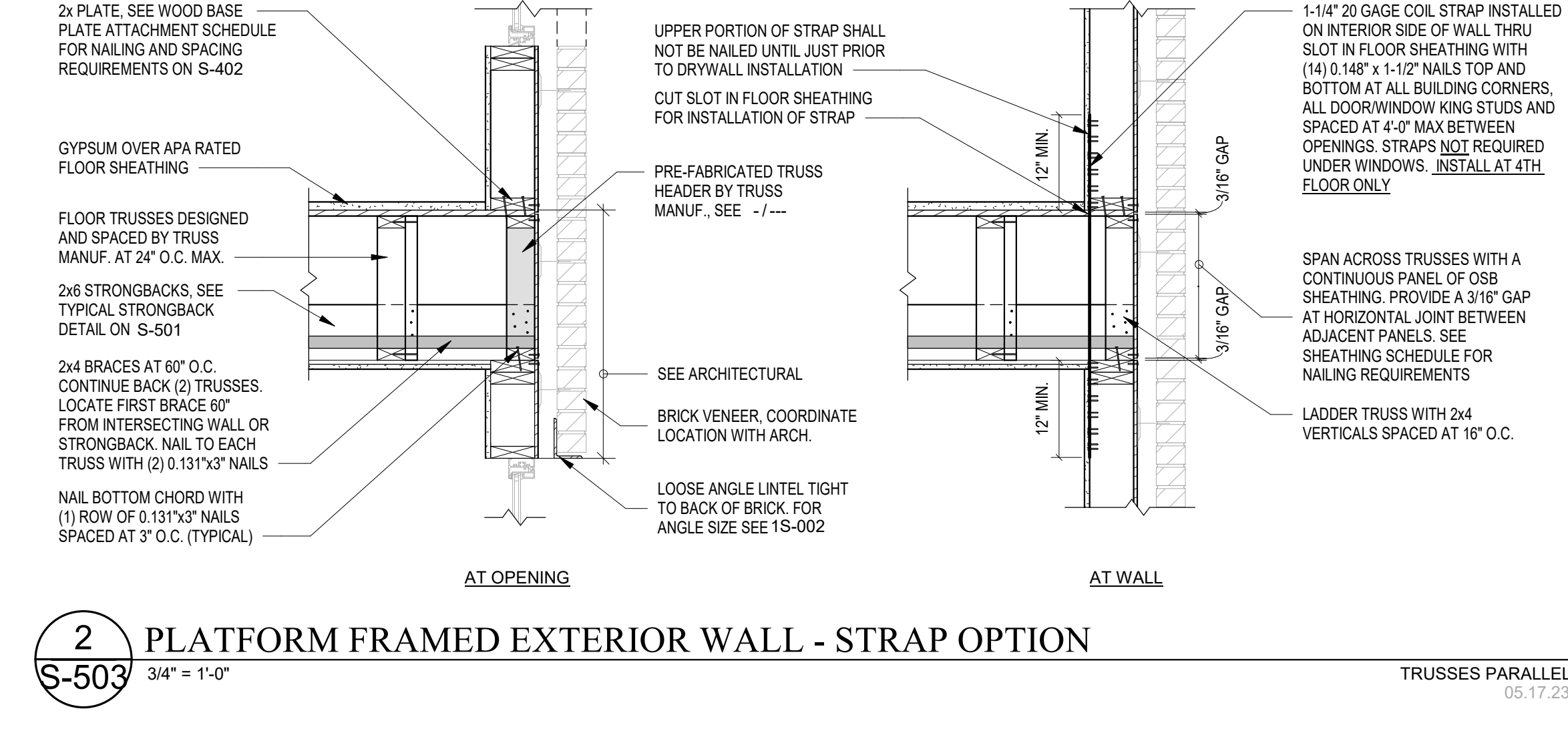
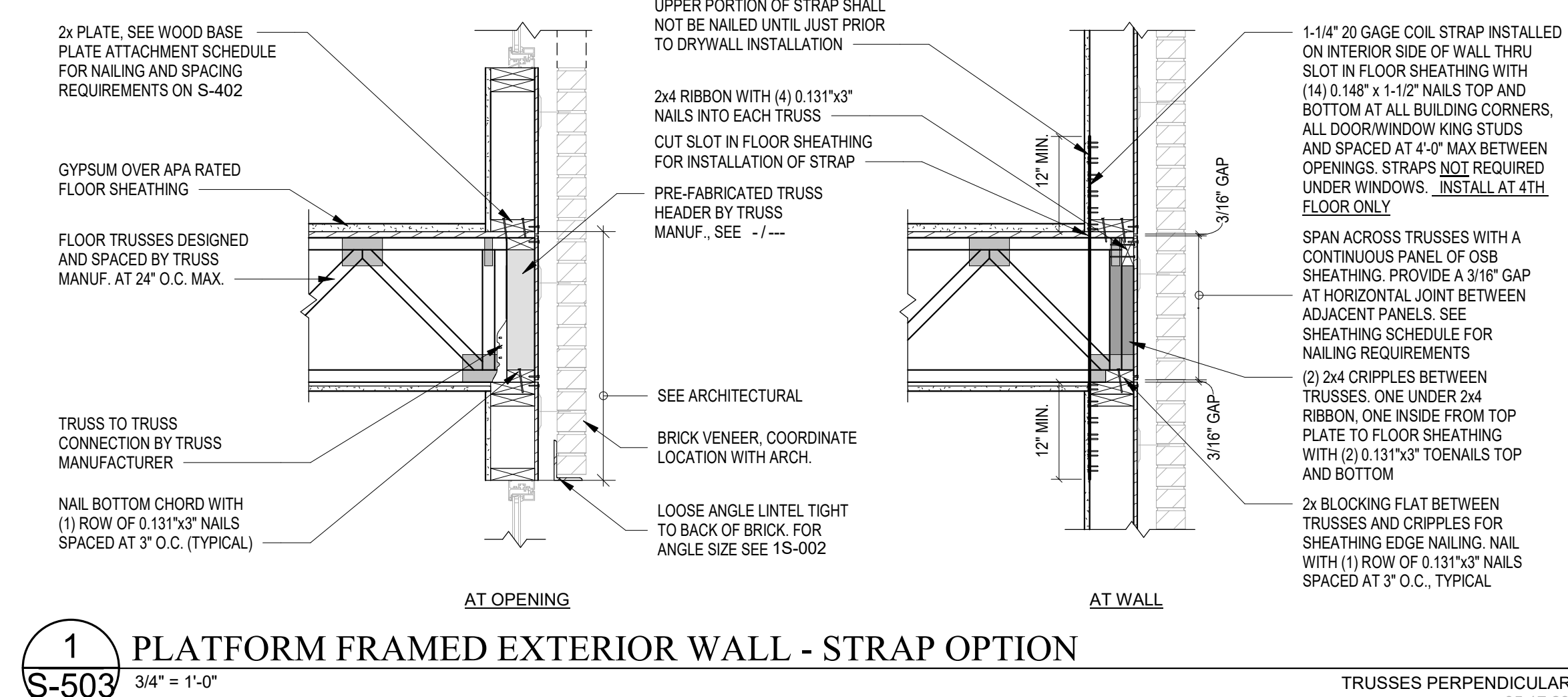
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TYPICAL WOOD FRAMING DETAILS
ROANOKE GATEWAY
ROANOKE, VA 24002

DATE	SUBMISSION / REVISION / A
05/14/2028	VH 4% HOTIC APP
06/30/2028	CONSTRUCTABILITY REVIEW



ROUGH OPENING	ENDNAILS FROM KING STUDS TO ROOF HEADER	HARDWARE FROM TOP PLATES TO KING STUDS	FIGURE
≤4'-4"	(4) 0.131x3"	N/A	
≤6'-4"	(6) 0.131x3"	N/A	
≤9'-4"	(8) 0.131x3"	SIMPSON H6 OR (2) SIMPSON SDWC15600 SCREWS	3 OR 4

NOTES: SEE 1S-0022EHEDULE FOR TOP PLATE TO HEADER NAILING REQUIREMENTS

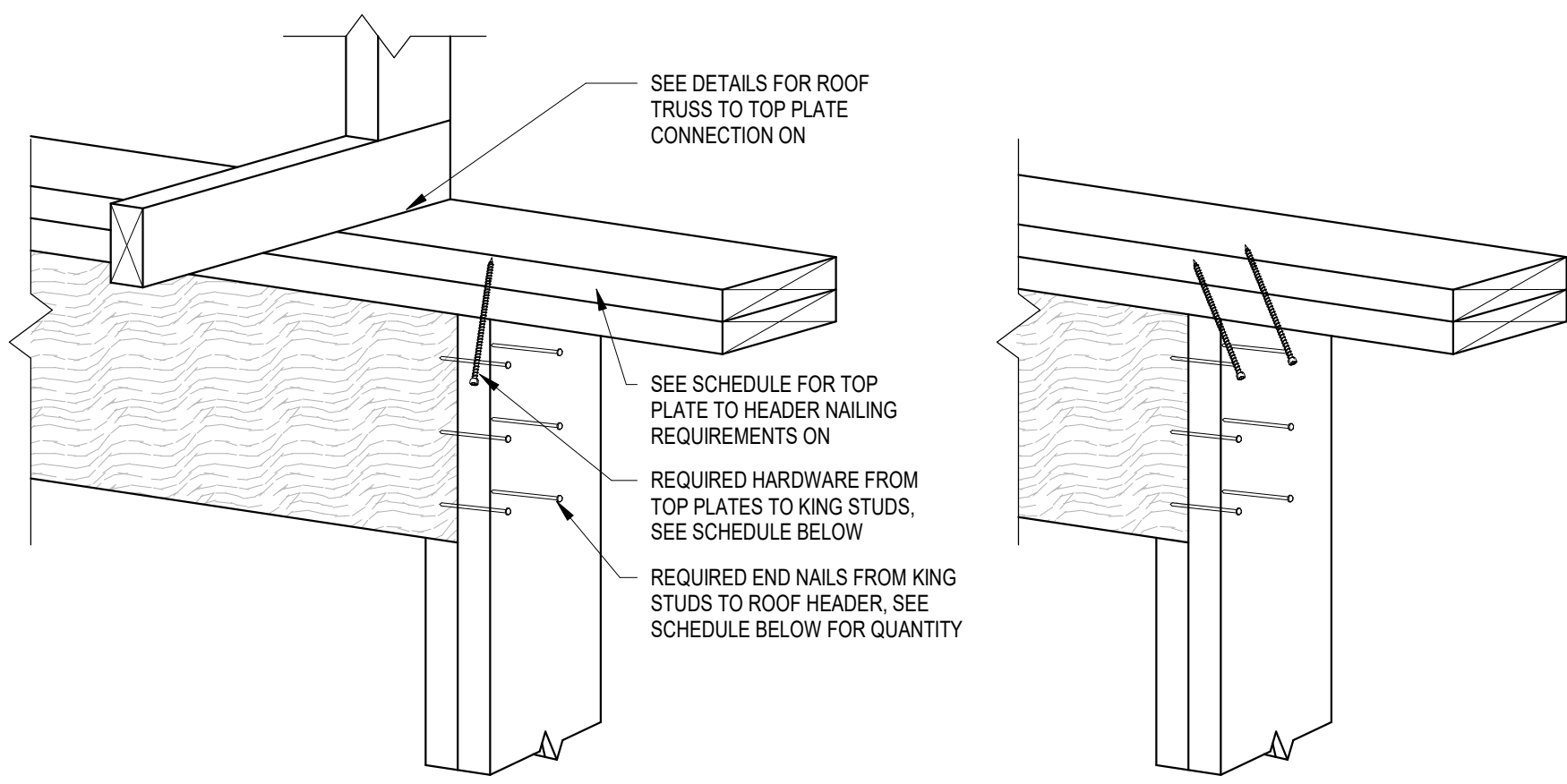


FIGURE 2

FIGURE 4

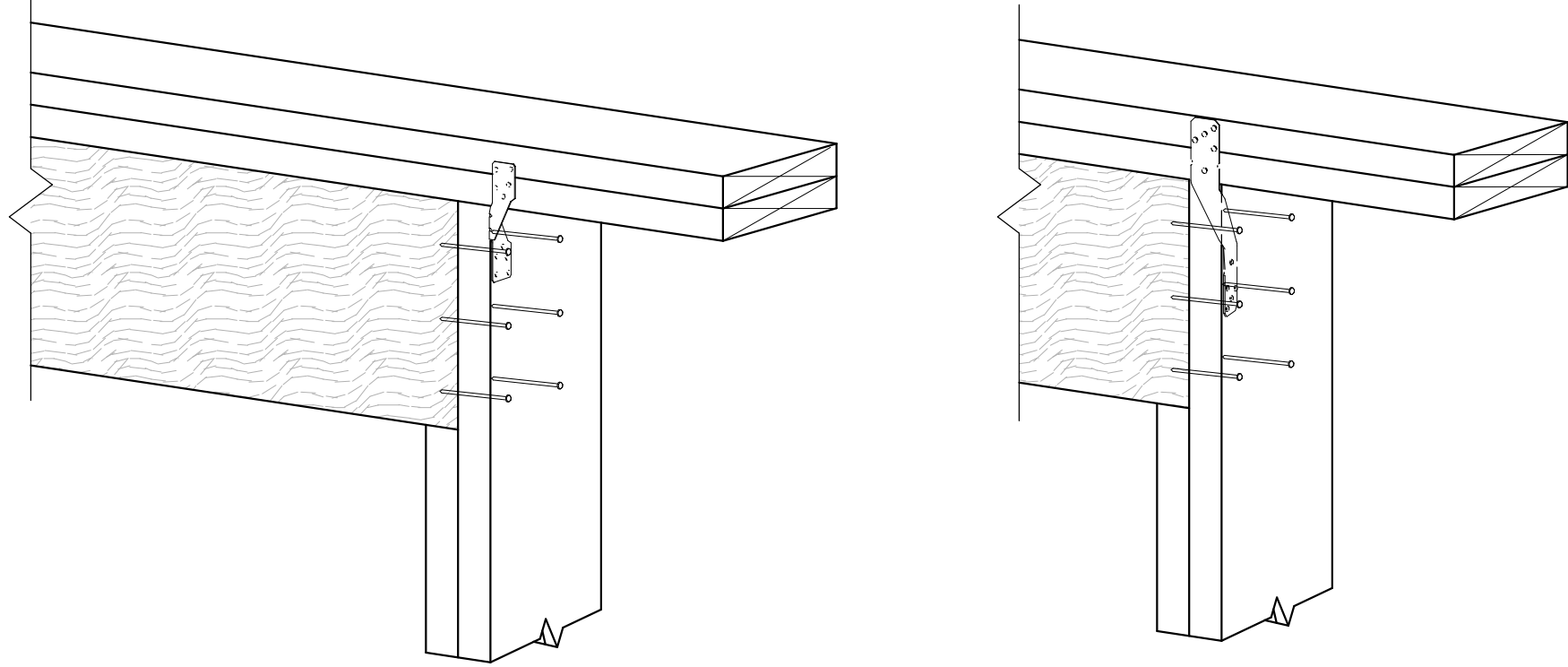
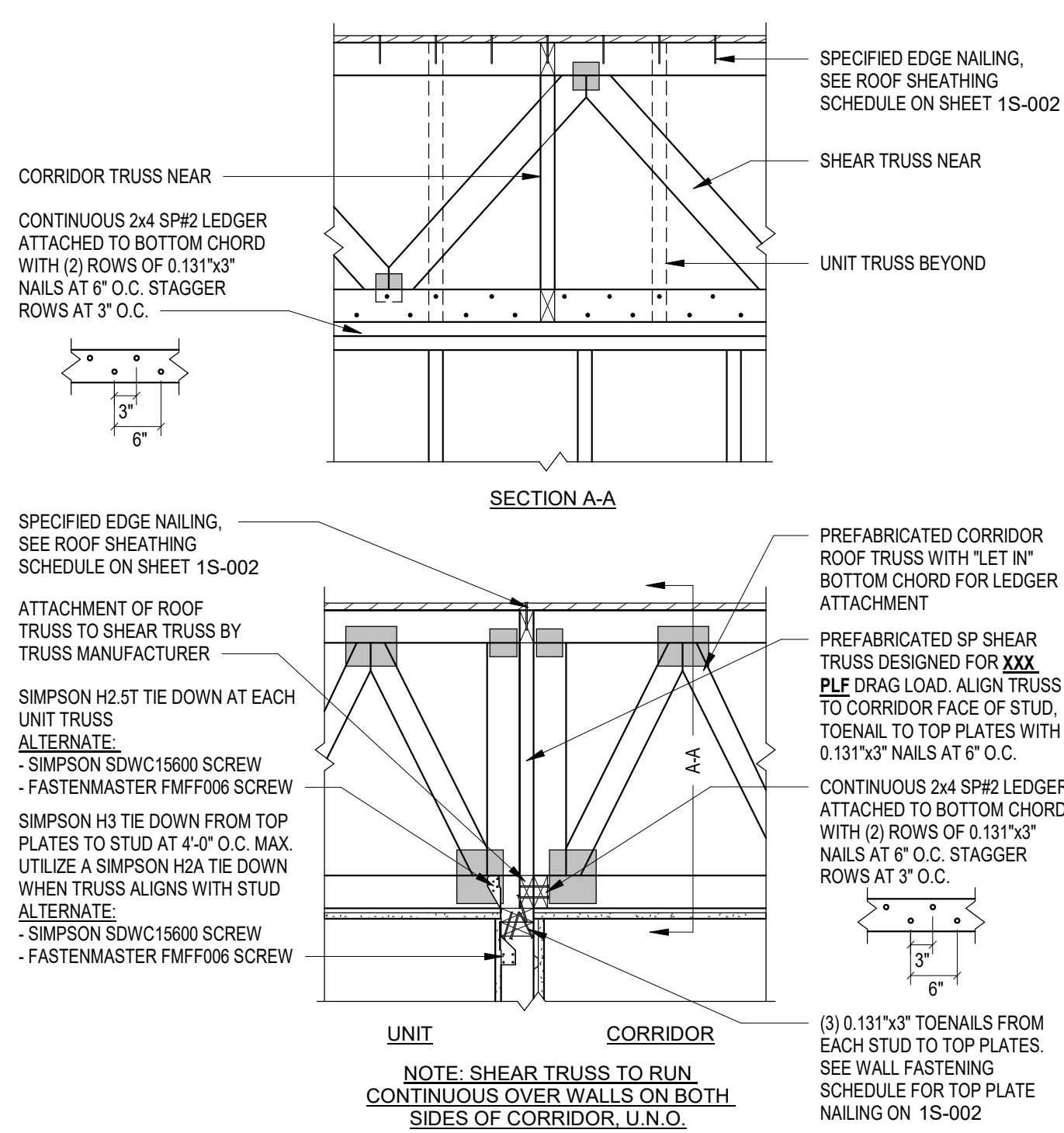


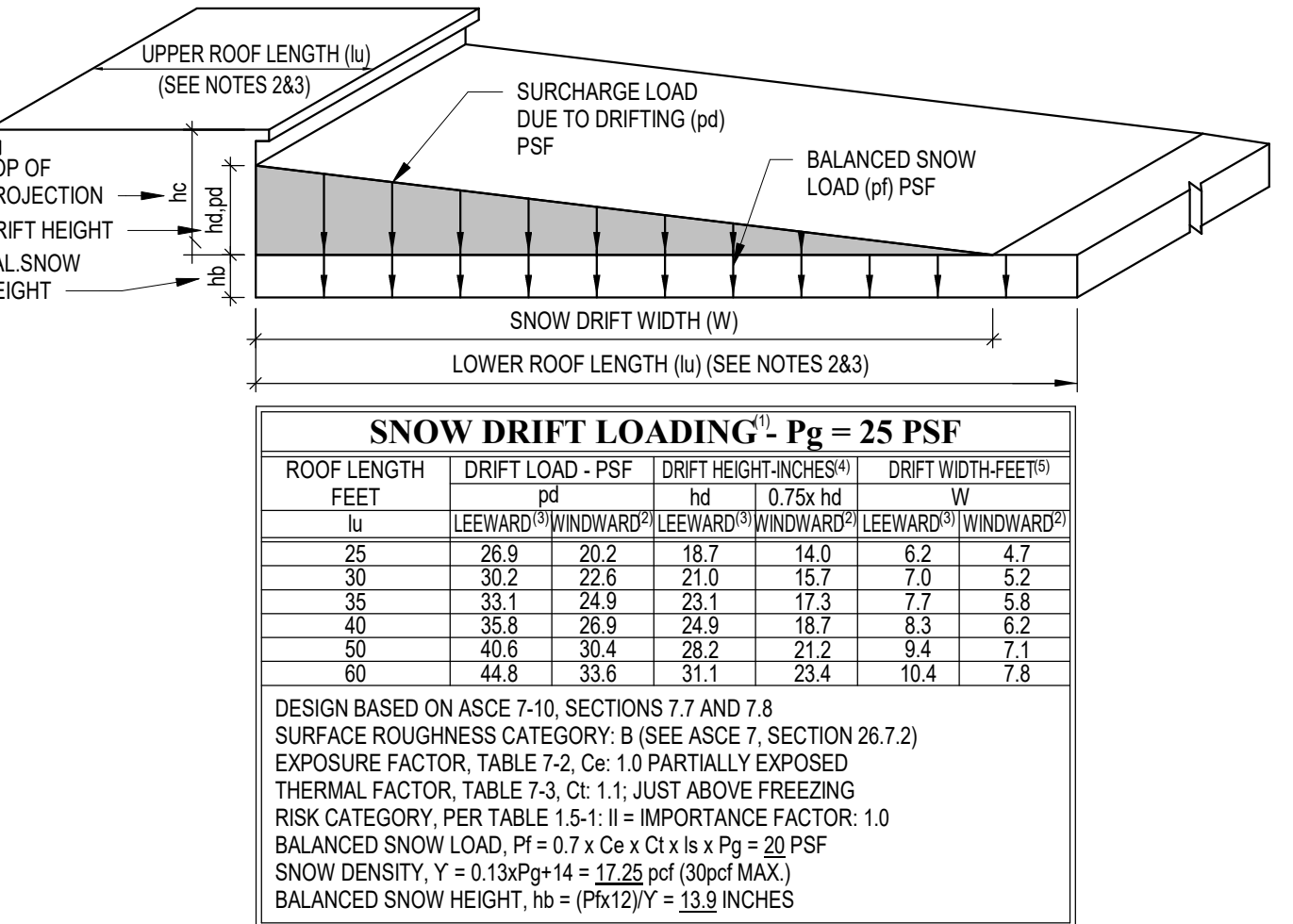
FIGURE 1

FIGURE 3

11 ROOF TRUSS UPLIFT CONDITIONS
S-504 SCALE: N.T.S.

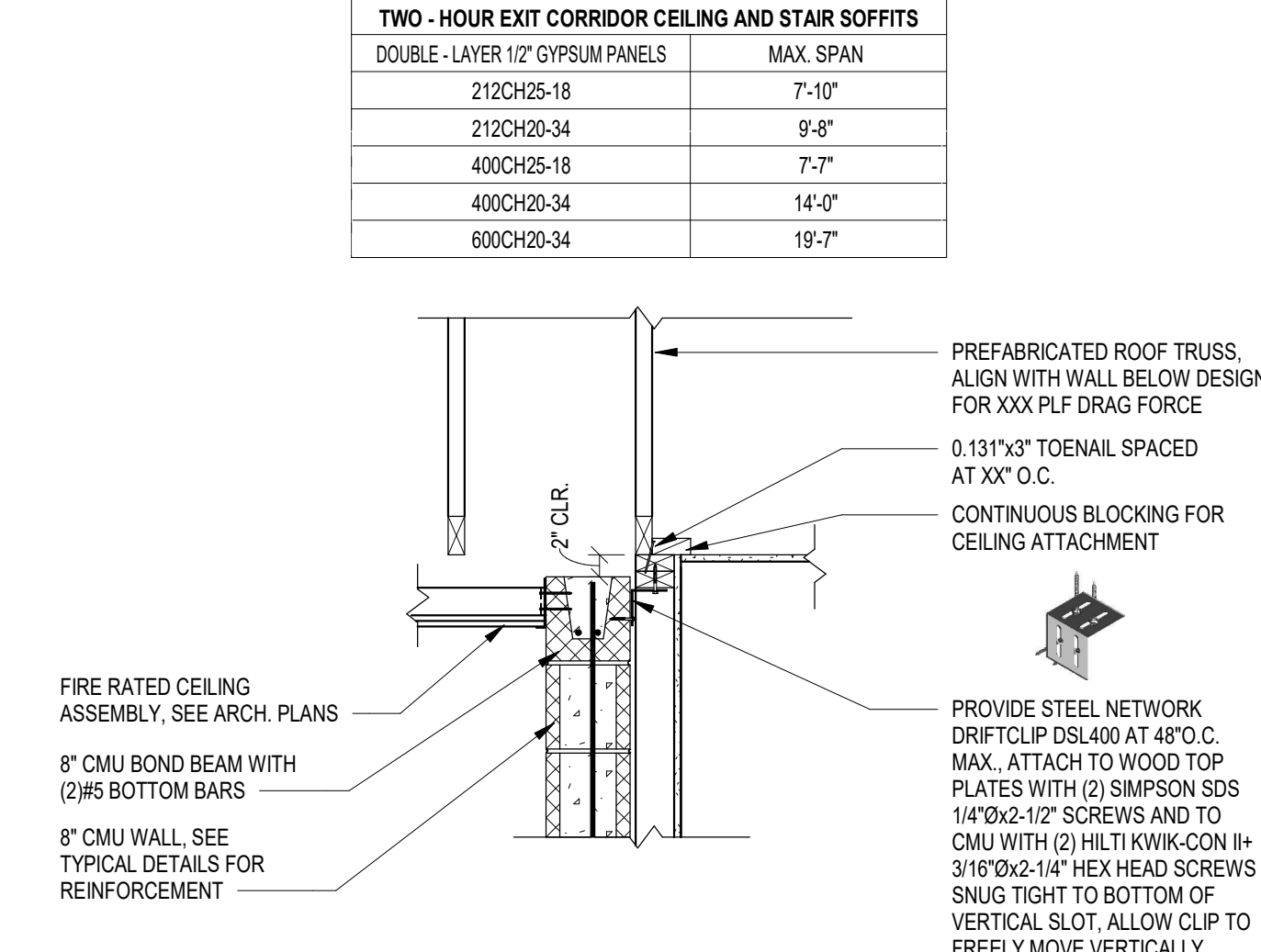


9 ROOF FRAMING AT 2x4 CORRIDOR WALL
S-504 3/4" = 1'-0" 03.02.2020 WITH SHEAR TRUSS

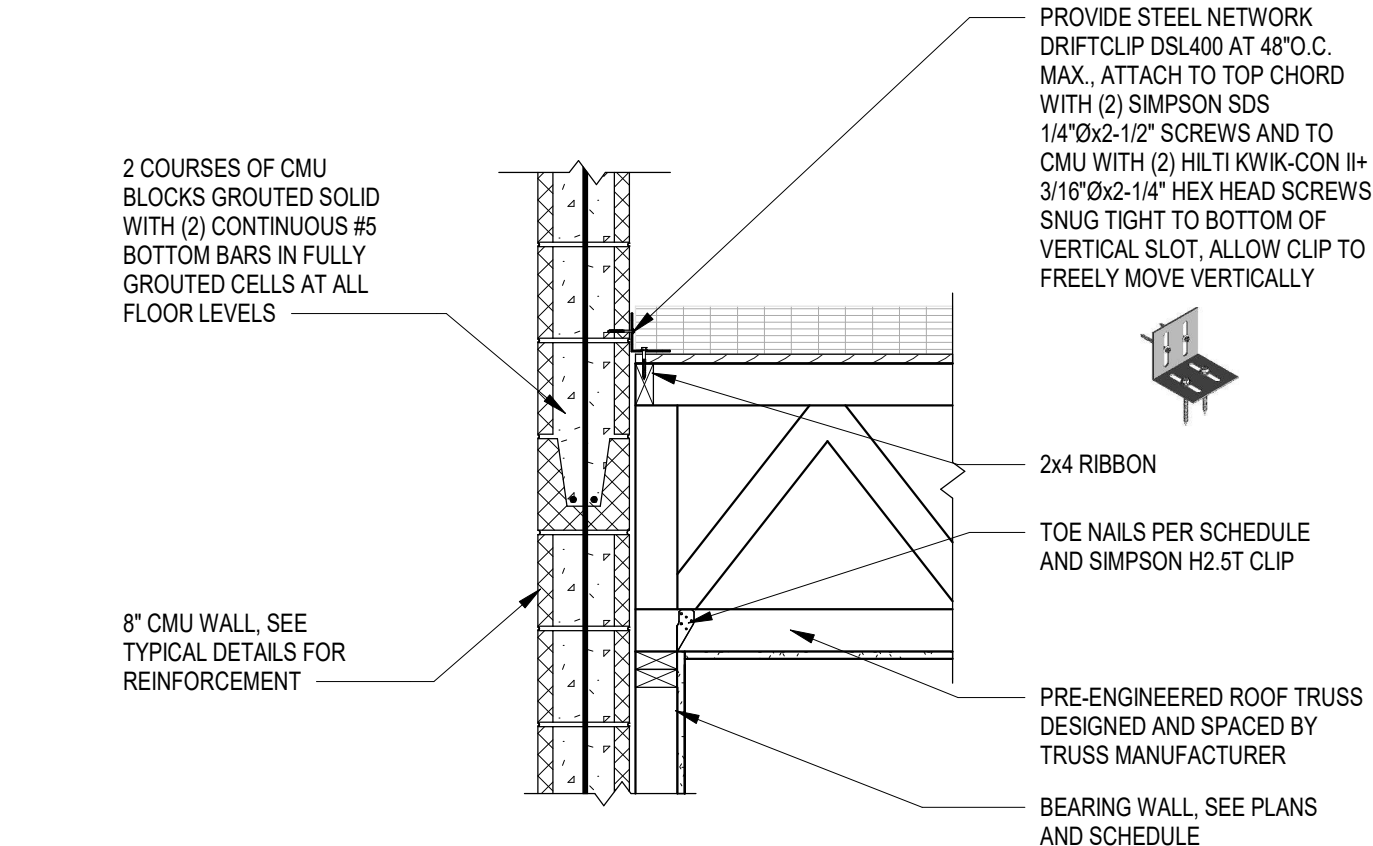


- NOTES:
1. If h_{drift} is LESS THAN 0.2', DRIFT LOADS ARE NOT REQUIRED TO BE APPLIED.
 2. FOR PARAPET WALLS: USE WINDWARD DRIFT LOADS WITH L_u EQUAL TO THE LENGTH OF THE LOWER ROOF.
 3. FOR LOWER ROOF STRUCTURES: USE L_u EQUAL TO THE UPPER ROOF FOR LEEWARD DRIFTS AND L_u EQUAL TO THE LOWER ROOF FOR WINDWARD DRIFTS. LARGER OF THE 2 DRIFT HEIGHTS SHALL BE USED FOR DESIGN. SEE SECTION 7.7.1.
 4. THIS CHART ASSUMES h_d IS EQUAL TO OR LESS THAN h_c . IF h_d EXCEEDS h_c , THE DRIFT WIDTH, W , SHALL EQUAL $4h_d/2h_c$ AND THE DRIFT HEIGHT SHALL EQUAL h_c . HOWEVER, THE DRIFT WIDTH SHALL NOT BE GREATER THAN $8h_c$.
 5. IF THE DRIFT WIDTH, W , EXCEEDS THE WIDTH OF THE LOWER ROOF, THE DRIFT SHALL BE TRUNCATED AT THE FAR EDGE OF THE ROOF AND NOT REDUCED TO ZERO THREE.
 6. SEE ASCE 7, FIGURE 7.9 FOR CALCULATION OF DRIFT HEIGHT, h_d .

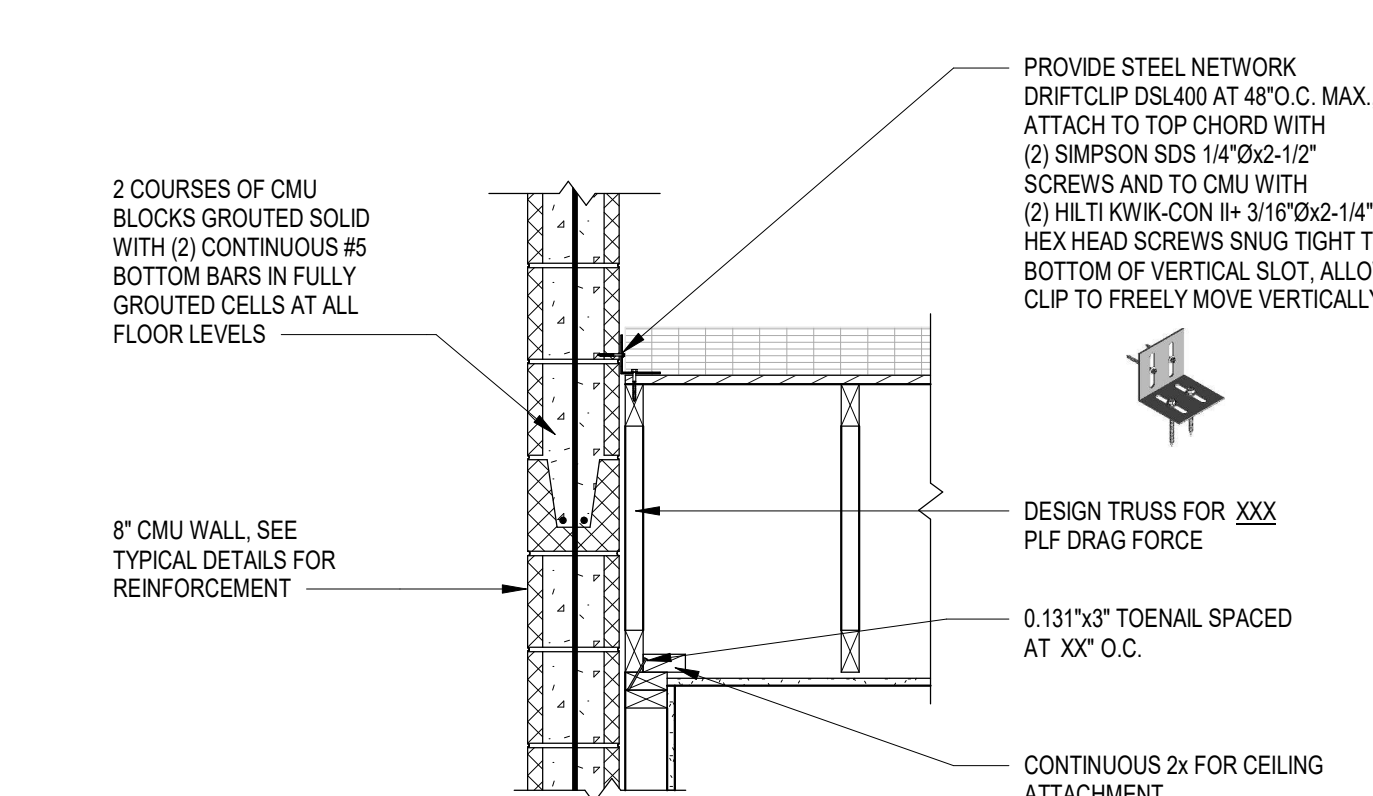
10 SNOW DRIFT LOADING - LOWER ROOFS AND PARAPETS
S-504 SCALE: N.T.S. GROUND SNOW LOAD, Pg = 25 PSF



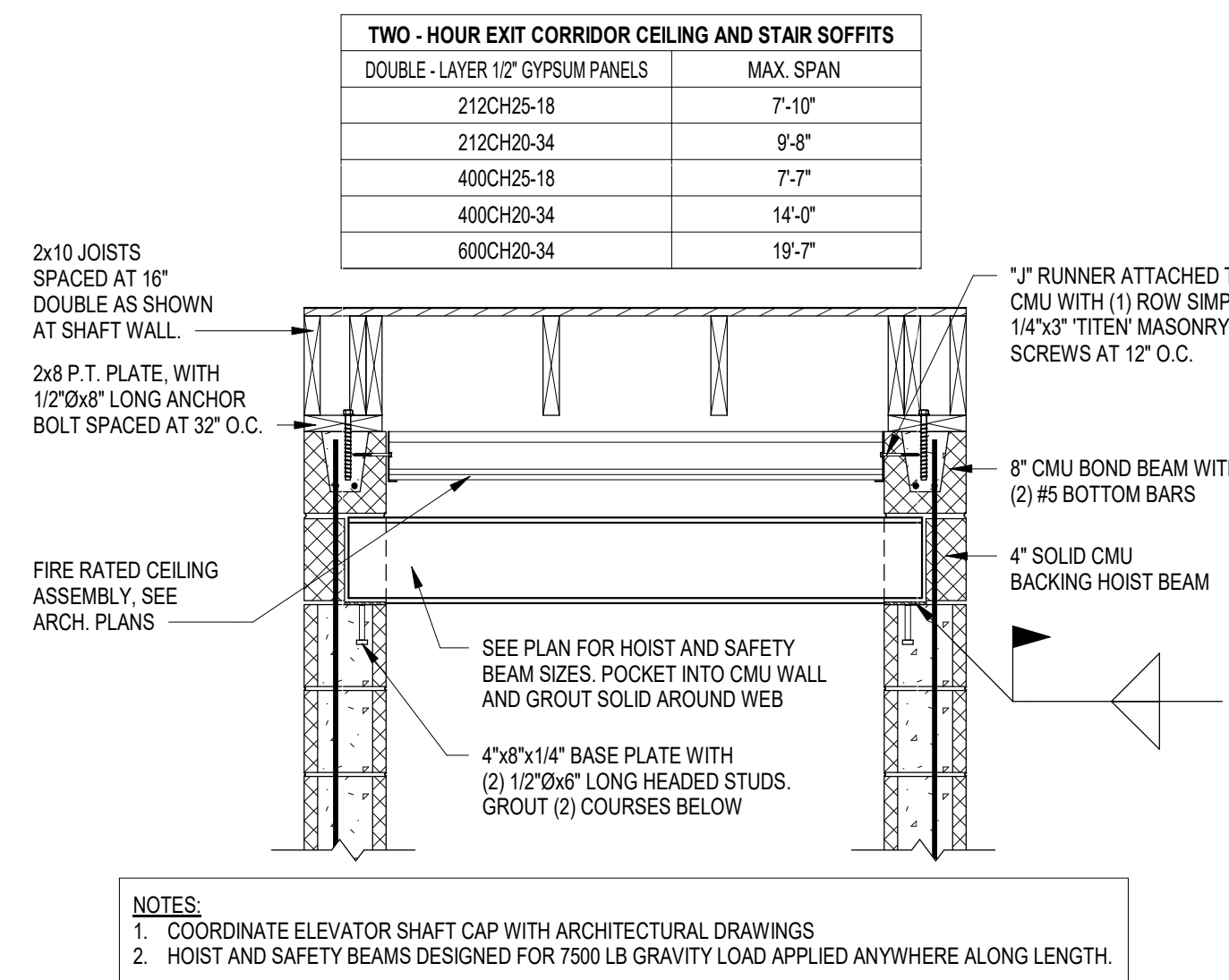
5 ROOF TRUSS AT CMU STAIR SHAFT
S-504 3/4" = 1'-0" 06.08.23 TRUSSES PARALLEL



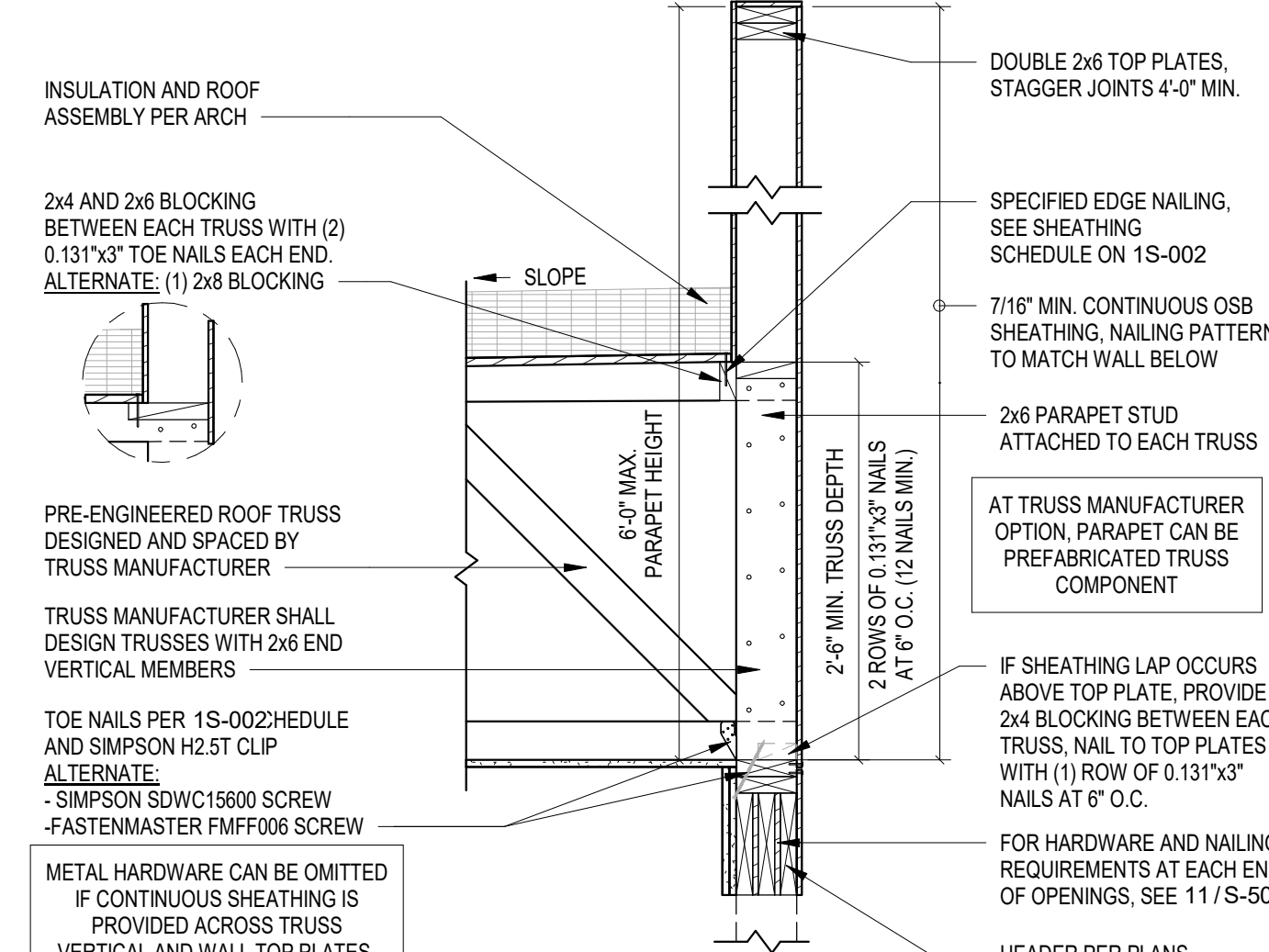
6 ROOF TRUSS TO CMU WALL
S-504 3/4" = 1'-0" 02.17.25 TRUSSES PERPENDICULAR



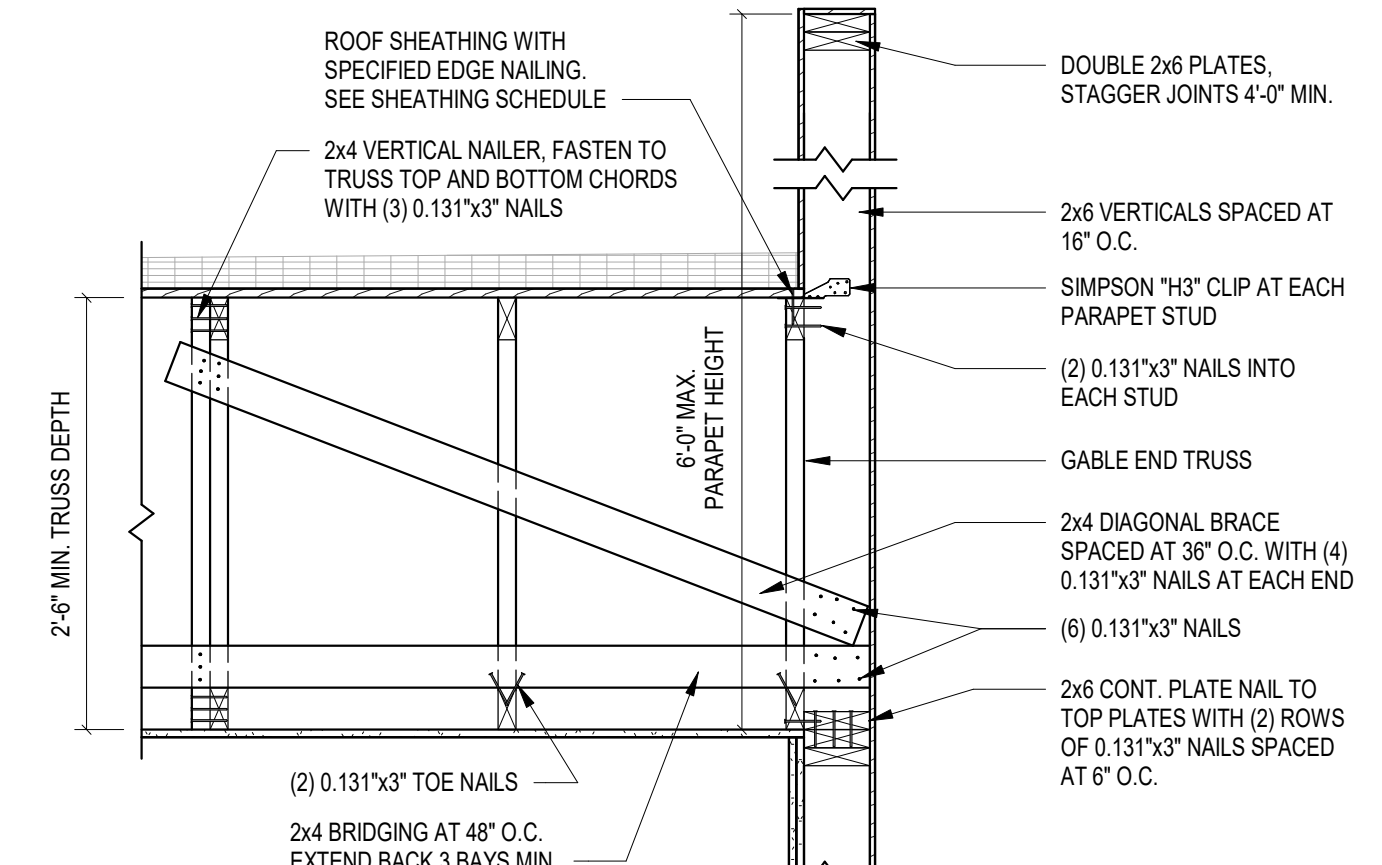
7 ROOF TRUSS TO CMU WALL
S-504 3/4" = 1'-0" 02.17.25 TRUSSES PARALLEL



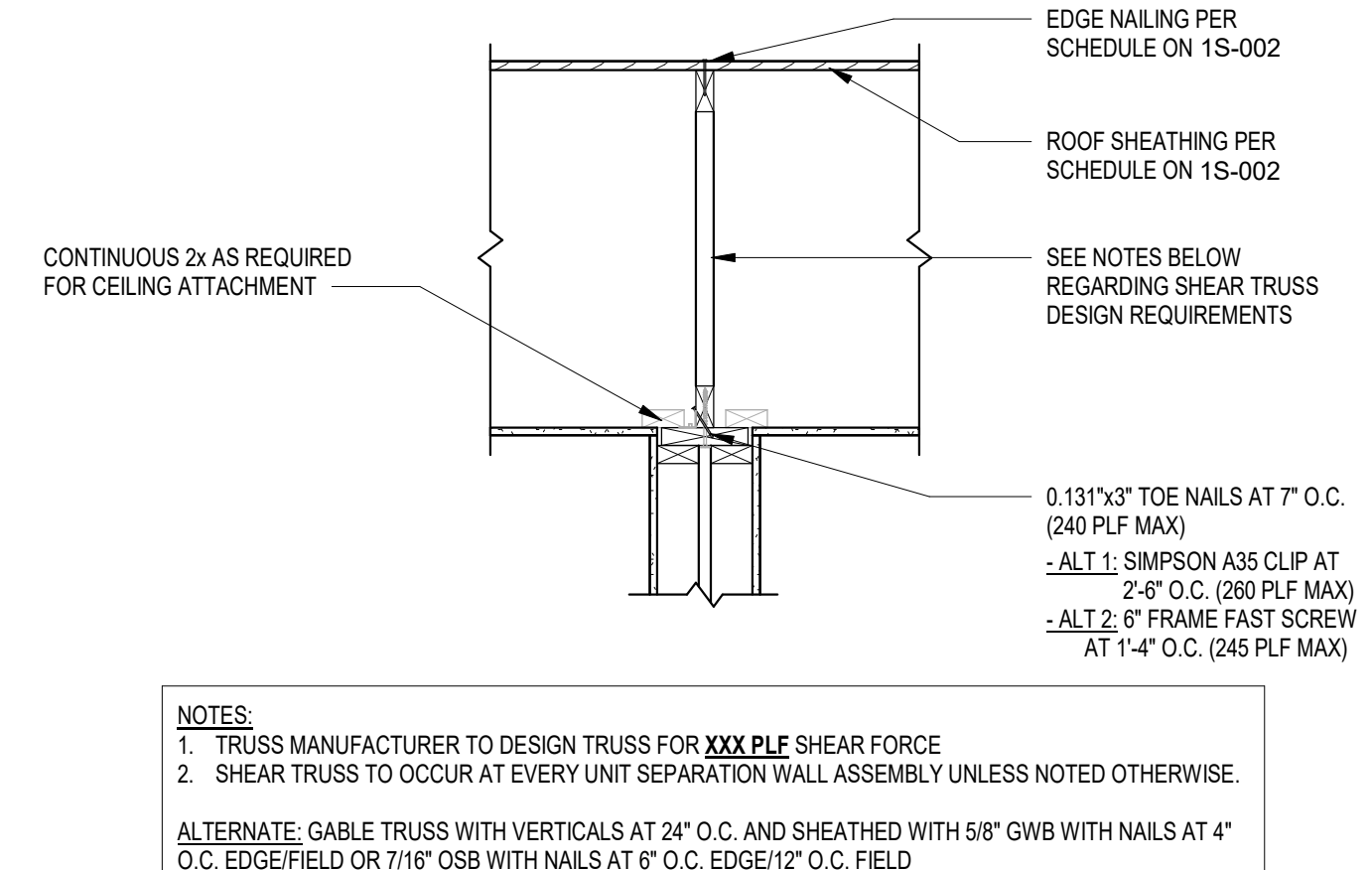
8 TYPICAL ELEVATOR SHAFT CAP
S-504 3/4" = 1'-0" 06.17.26



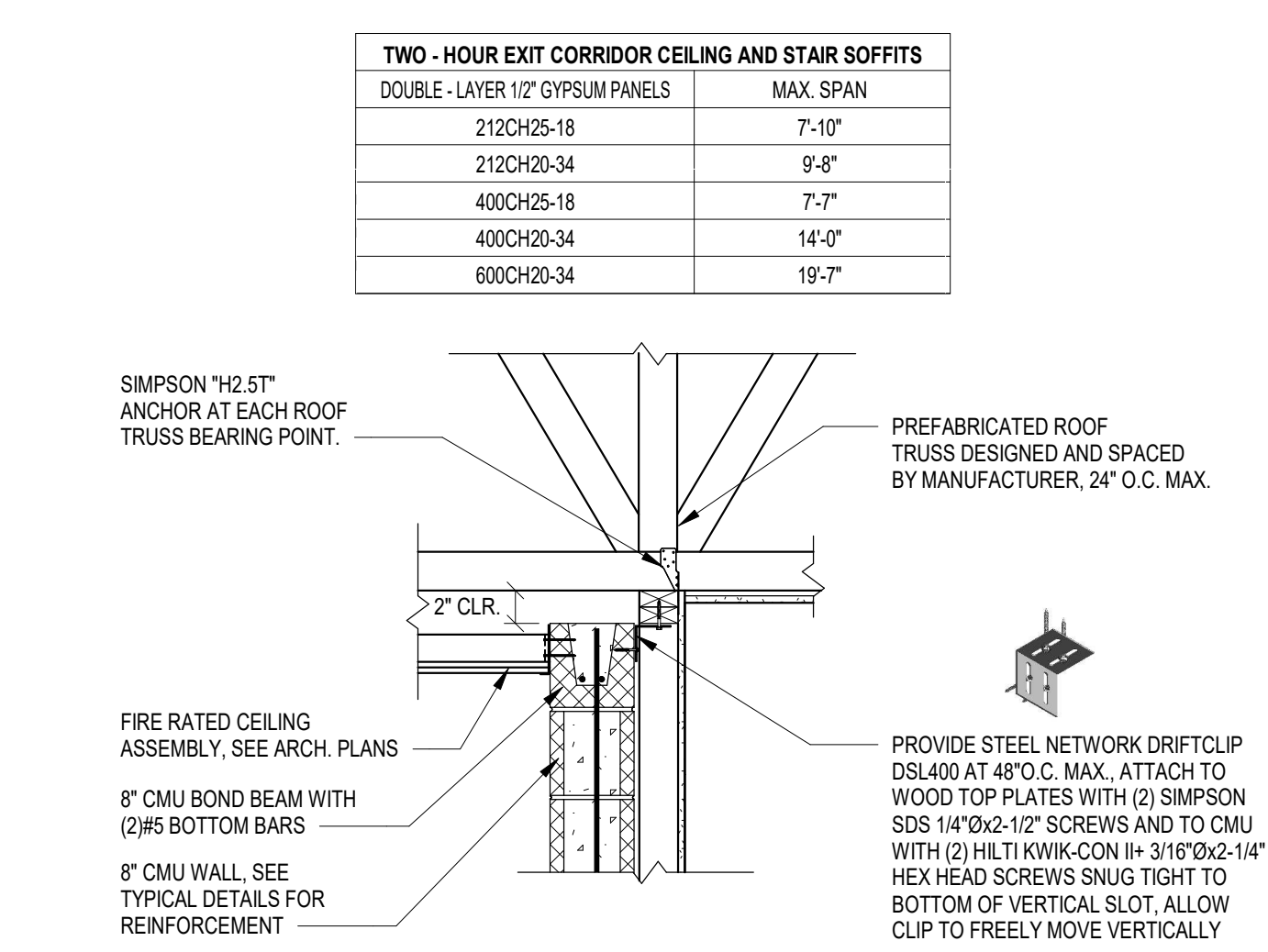
1 TYPICAL ROOF PARAPET
S-504 3/4" = 1'-0" TRUSSES PERPENDICULAR



2 TYPICAL ROOF PARAPET
S-504 3/4" = 1'-0" TRUSSES PARALLEL



3 SHEAR TRUSS AT UNIT SEPARATION WALL
S-504 3/4" = 1'-0"



4 ROOF TRUSS AT CMU STAIR SHAFT
S-504 3/4" = 1'-0" 06.08.23 TRUSSES PERPENDICULAR

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SUBMITTED BY: 1VH 4% HOTIC APP
REVIEWED BY: 06/30/2026 CONSTRUCTION REVIEW

S-504
06/30/2026
CONSTRUCTABILITY REVIEW

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