THE VILLAGE AT DISCOVERY - LOT 4
LEE'S SUMMIT, MO

PROJECT CERTIFICATION

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

AS-100
G-001
G-001.1
G-002
G-003
G-004
G-005
G-006
G-007
G-100
G-101
G-102
G-200
G-201
G-202
G-203
G-204
G-205
G-206
G-207
G-208
G-209
G-210
G-211
G-212
G-213
G-300
G-301
G-302
G-303
A-101
A-102
A-103
A-105
A-106
A-110
A-111
A-112
A-113
A-114
A-115
A-120
A-125
A-200
A-201
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A-304
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A-400
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A-408
A-409
A-410
A-415
A-500
A-501
A-502
A-503
A-504
A-505
A-506
A-600
A-601
A-602
A-603
A-700
A-711

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

SEAL

STATE OF MISSOURI
DAVID EUGENE HENDRIKSE
NUMBER A-7305
REGISTERED ARCHITECT

12/20/24

David E. Hendrikse, AIA

REGIONAL MAP

VICINITY MAP

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

N

SHEET INDEX

GENERAL

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■	01/25/24	G-003	PLAN GENERAL NOTES		
■	01/25/24	G-004	GENERAL INFORMATION		
■	01/25/24	G-005	GENERAL INFORMATION		
■	01/25/24	G-006	GENERAL INFORMATION		
■	01/25/24	G-007	GENERAL INFORMATION		
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■	01/25/24	G-202	UL ASSEMBLIES - L546		
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■	01/25/24	G-209	UL ASSEMBLIES - U423 / U905		
■	01/25/24	G-210	UL ASSEMBLIES - 263 / X790 / CH.7	1	10/21/24
■	10/21/24	G-211	UL ASSEMBLIES - L516	1	10/21/24
■	10/21/24	G-212	UL ASSEMBLIES - L516	1	10/21/24
■	10/21/24	G-213	UL ASSEMBLIES - U356	1	10/21/24
■	01/25/24	G-300	ACCESSIBILITY STANDARDS		
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■	01/25/24	G-303	ACCESSIBILITY STANDARDS		
■	01/25/24	AS-100	ARCHITECTURAL SITE AMENITIES		

CIVIL UNDER SEPARATE REVIEW, REFERENCE FDP

STRUCTURAL

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■	01/25/24	S101	LEVEL 1 CANOPY AND GARAGE OPENING FRAMING PLAN	3	12/20/24
■	10/21/24	S102A	LEVEL 2 FRAMING PLAN ZONE A	3	12/20/24
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■	10/21/24	S524	FRAMING AT TYPICAL GARAGE WALL OPENING	3	12/20/24
■	01/25/24	S530	TYPICAL WOOD FRAMING DETAILS	3	12/20/24
■	01/25/24	S531	WOOD FLOOR FRAMING DETAILS	3	12/20/24
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■	01/25/24	S540	WOOD ROOF FRAMING DETAILS	3	12/20/24
■	01/25/24	S541	WOOD ROOF FRAMING DETAILS	3	12/20/24
■	01/25/24	S550	SHEAR WALL DETAILS	3	12/20/24
■	10/21/24	S560	TYPICAL BALCONY PLANS AND DETAILS - LEVEL 2	3	12/20/24
■	10/21/24	S561	TYPICAL BALCONY PLANS AND DETAILS - LEVEL 3	3	12/20/24
■	10/21/24	S562	ADDITIONAL BALCONY PLANS LEVELS 2 AND 3	3	12/20/24
■	10/21/24	S563	ADDITIONAL BALCONY DETAILS - LEVEL 3	3	12/20/24
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ARCHITECTURAL

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■	01/25/24	A-105	ROOF PLAN		
■	01/25/24	A-106	ROOFING & FLASHING DETAILS		
■	01/25/24	A-110	ENLARGED PLAN - 1ST FLOOR ZONE A	3	12/20/24
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■	01/25/24	A-113	ENLARGED PLAN - 2ND FLOOR ZONE B	3	12/20/24
■	01/25/24	A-114	ENLARGED PLAN - 3RD FLOOR ZONE A	3	12/20/24
■	01/25/24	A-115	ENLARGED PLAN - 3RD FLOOR ZONE B	1	10/21/24
■	01/25/24	A-120	REFLECTED CEILING PLANS	1	10/21/24
■	01/25/24	A-125	CEILING DETAILS		
■	01/25/24	A-200	EXTERIOR ELEVATIONS	3	12/20/24
■	01/25/24	A-201	EXTERIOR ELEVATIONS		
■	01/25/24	A-300	BUILDING SECTIONS	1	10/21/24
■	01/25/24	A-301	WALL SECTIONS	1	10/21/24
■	01/25/24	A-302	ELEVATOR PLANS, SECTIONS & DETAILS		
■	01/25/24	A-303	STAIR 1 - PLANS AND SECTION	3	12/20/24
■	01/25/24	A-304	STAIR 2 - PLANS AND SECTION	3	12/20/24
■	01/25/24	A-305	STAIR DETAILS		
■	01/25/24	A-400	ABERDEEN (2 BR) UNIT PLAN - TYPE A	3	12/20/24
■	01/25/24	A-401	ABERDEEN (2 BR) ALT UNIT PLAN	3	12/20/24
■	01/25/24	A-402	ABERDEEN (2 BR) UNIT PLAN - TYPE B	3	12/20/24
■	01/25/24	A-403	ADRIAN (1 BR) UNIT PLAN	3	12/20/24
■	01/25/24	A-404	ADRIAN CORNER (1 BR) UNIT PLAN	3	12/20/24
■	01/25/24	A-405	ARA ALT (1 BR) UNIT PLAN	3	12/20/24
■	01/25/24	A-406	ARA (1 BR) UNIT PLAN	3	12/20/24
■	01/25/24	A-407	ARA CORNER (1 BR) UNIT PLAN	3	12/20/24
■	01/25/24	A-408	DELTA (1 BR) UNIT PLAN	3	12/20/24
■	01/25/24	A-409	HURLEY (2 BR) UNIT PLAN	3	12/20/24
■	01/25/24	A-410	LANA (2 BR) UNIT PLAN	3	12/20/24
■	01/25/24	A-415	UNIT DETAILS	1	10/21/24
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■	01/25/24	A-501	WALL DETAILS		
■	01/25/24	A-502	WALL DETAILS	3	12/20/24
■	01/25/24	A-503	BRICK DETAILS	3	12/20/24
■	01/25/24	A-504	ELEVATOR DETAILS		
■	01/25/24	A-505	BALCONY & PARAPET DETAILS		
■	01/25/24	A-506	BALCONY DETAILS		
■	01/25/24	A-600	WINDOW AND DOOR SCHEDULES	1	10/21/24
■	01/25/24	A-601	TYPICAL STOREFRONT ELEVATIONS	3	12/20/24
■	01/25/24	A-602	DOOR DETAILS		
■	01/25/24	A-603	WINDOW DETAILS		
■	01/25/24	A-700	FINISH TRANSITION DETAILS		
■	01/25/24	A-711	FIRST & SECOND FLOOR FINISH PLAN		

SHEET INDEX CONTINUED ON G-001.1

■	10/10/2024	A-000 SHEET NAME	-	10/10/2024

SOLID FILL INDICATES INCLUSION IN ISSUE
SHEET ISSUE DATE
SHEET NUMBER AND NAME
CURRENT REVISION NUMBER & REVISION DATE ON SHEET

SHEET INDEX LEGEND

PROJECT DATA

PROJECT DESIGN INFORMATION

NEW CONSTRUCTION:

ZONING:	PMIX - PLANNED MIX USE DISTRICT
CODE:	2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL FUEL GAS CODE 2018 INTERNATIONAL FIRE CODE 2017 NATIONAL ELECTRIC CODE 2009 ACCESSIBILITY CODE ICC/ANSI 117-1 LEE'S SUMMIT AMENDMENTS TO ENERGY CODE
OCCUPANCY GROUP:	R-2, APARTMENTS A-2, UNCONCENTRATED S-2, OPEN PARKING GARAGE
TYPE OF CONSTRUCTION:	R-2 & A-2, TYPE VA S-2, TYPE IIA

ENERGY CONSERVATION:		
	WALLS AS PART OF BLDG ENVELOPE	R-13
	FLOORS AS PART OF BLDG ENVELOPE	R-19
	ROOFS AS PART OF BLDG ENVELOPE	R-19
	CEILINGS AS PART OF BLDG ENVELOPE	R-30

BUILDING SUMMARY:

NUMBER: 1 TOTAL BUILDING
HEIGHT: 3 STORIES, 43'-0"

SQUARE FOOTAGES:	GROSS	NET
FIRST FLOOR	24,603 S.F.	24,089 S.F.
SECOND FLOOR	24,774 S.F.	24,305 S.F.
THIRD FLOOR	24,774 S.F.	24,305 S.F.

UNIT SUMMARY:	**46 TOTAL UNITS**
TYPE 'A' UNITS (2%)	(1) UNITS - ABERDEEN "A"
HI/VI UNITS (2%)	(1) UNITS - ADRIAN "HI/VI" (LG)
TYPE 'B' UNITS	(3) UNITS - ABERDEEN "B" (2) UNITS - ABERDEEN - ALT (2) UNITS - ADRIAN (13) UNITS - ADRIAN (LG) (4) UNITS - ADRIAN - ALT (2) UNITS - ADRIAN CORNER (4) UNITS - ARA (2) UNITS - ARA - ALT (2) UNITS - ARA CORNER (4) UNITS - DELTA (2) UNITS - HURLEY (2) UNITS - LANA (2) UNITS - LANA (LG)
TOTAL UNITS	**(46) UNITS**

SQUARE FOOTAGE:	GROSS	NET
ABERDEEN "A" (LG)	1,377 S.F.	1,307 S.F.
ABERDEEN "B" (LG)	1,377 S.F.	1,307 S.F.
ABERDEEN - ALT	1,178 S.F.	1,098 S.F.
ADRIAN	823 S.F.	771 S.F.
ADRIAN (LG)	858 S.F.	803 S.F.
ADRIAN "HI/VI" (LG)	858 S.F.	802 S.F.
ADRIAN - ALT	858 S.F.	803 S.F.
ADRIAN CORNER	731 S.F.	684 S.F.
ARA	588 S.F.	543 S.F.
ARA - ALT	693 S.F.	642 S.F.
ARA CORNER	1,094 S.F.	1,039 S.F.
DELTA	879 S.F.	829 S.F.
HURLEY	936 S.F.	874 S.F.
LANA	1,062 S.F.	985 S.F.
LANA (LG)	1,097 S.F.	1,027 S.F.

SEE CIVIL FOR SITE SUMMARY

NOTE: SQUARE FOOTAGE

-GROSS - COMMON SPACE CALCULATION: OUTSIDE PERIMETER OF STUD (ENTIRE BUILDING) LESS THE TOTAL OF THE GROSS UNIT SQUARE FOOTAGE PER FLOOR.
-GROSS - UNIT CALCULATION: CENTERLINE OF PARTY WALL TO OUTSIDE OF EXTERIOR STUD WALL AND/OR OUTSIDE OF CORRIDOR STUD WALL.
-NET - PAINT-TO-PAINT AT PERIMETER,TAKEN FROM INSIDE OF DEMISING, EXTERIOR, AND CORRIDOR WALLS.

PROJECT TEAM

OWNER

INTRINSIC DEVELOPMENT
ADDRESS: 3622 ENDEAVOR AVE., STE. 101
COLUMBIA, MO 65201
CONTACT: **BRIAN MAENNER**
EMAIL: bpmaenner@intrinsicdevelopment.com
PHONE: 573.881.0280

ARCHITECT

ROSEMANN & ASSOCIATES, P.C.
ADDRESS: 1526 Grand Boulevard
Kansas City, MO 64108
CONTACT: **Name**
EMAIL: Email
PHONE: 816.472.1448

CONTRACTOR

INTRINSIC DEVELOPMENT
ADDRESS: 3622 ENDEAVOR AVE., STE. 101
COLUMBIA, MO 65201
CONTACT: **BRIAN MAENNER**
EMAIL: bpmaenner@intrinsicdevelopment.com
PHONE: 573.881.0280

STRUCTURAL ENGINEER

MCCLURE
ADDRESS: 1901 PENNSYLVANIA DRIVE
COLUMBIA MO 65202
CONTACT: **CELESTE SPICKERT**
EMAIL: cspickert@mcclurevision.com
PHONE: 573.234.2609

MECHANICAL, ELECTRICAL, PLUMBING ENGINEER

J-SQUARED ENGINEERING
ADDRESS: 2400 BLUFF CREEK DRIVE, SUITE 101
COLUMBIA, MO 65201
CONTACT: **ANDREW WHITE**
EMAIL: andrew@j-squaredeng.com
PHONE: 573.234.4492

CIVIL ENGINEER

CROCKETT ENGINEERING CONSULTANTS
ADDRESS: 1000 W NIFONG BLVD BLDG. 1
COLUMBIA, MO 65203
CONTACT: **TIM CROCKETT**
EMAIL: tim@crockettengineering.com
PHONE: 573.447.0292

LANDSCAPE ARCHITECT

LAND WORKS STUDIO
ADDRESS: 102 SOUTH CHERRY ST, 2ND FL
OLATHE, KS 66061
CONTACT: **MIKE MCGREW**
EMAIL: Mike@landworksstudio.com
PHONE: 913.780.6707

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/24	ADDENDUM #1
3	12/20/24	ADDENDUM #3

rosemann & ASSOCIATES P.C.
ARCHITECTURE
INTERIOR DESIGN
ENGINEERING
PLANNING
1526 Grand Boulevard
Kansas City, MO 64108-1404
p: 816.472.1448
w: www.rosemann.com

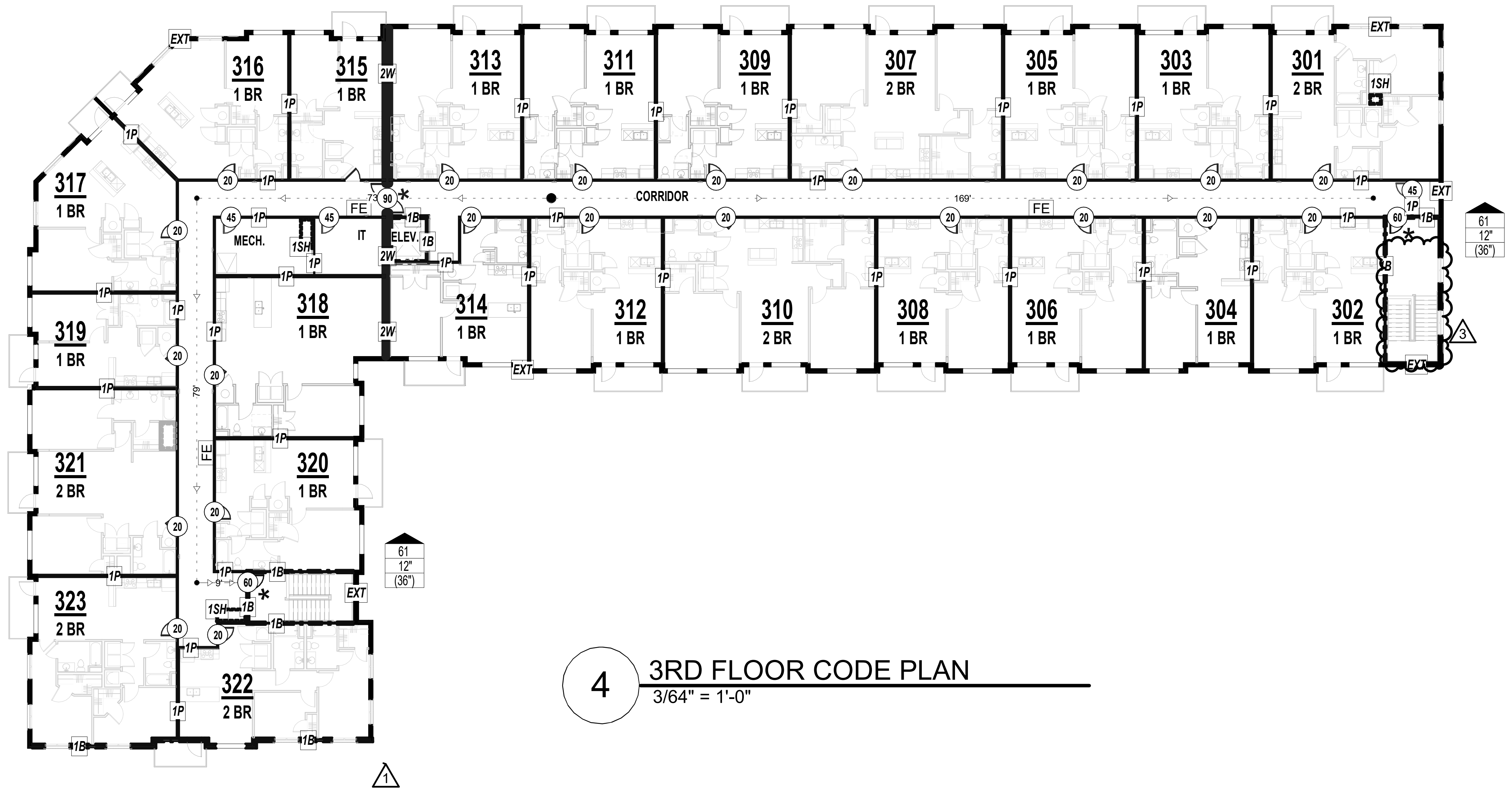
DENVER ▲ KANSAS CITY ▲ ST. LOUIS ▲ ATLANTA

THE VILLAGE AT DISCOVERY - LOT 4
1921 NE DISCOVERY AVE
LEE'S SUMMIT, MO
64064

SHEET TITLE
TITLE SHEET

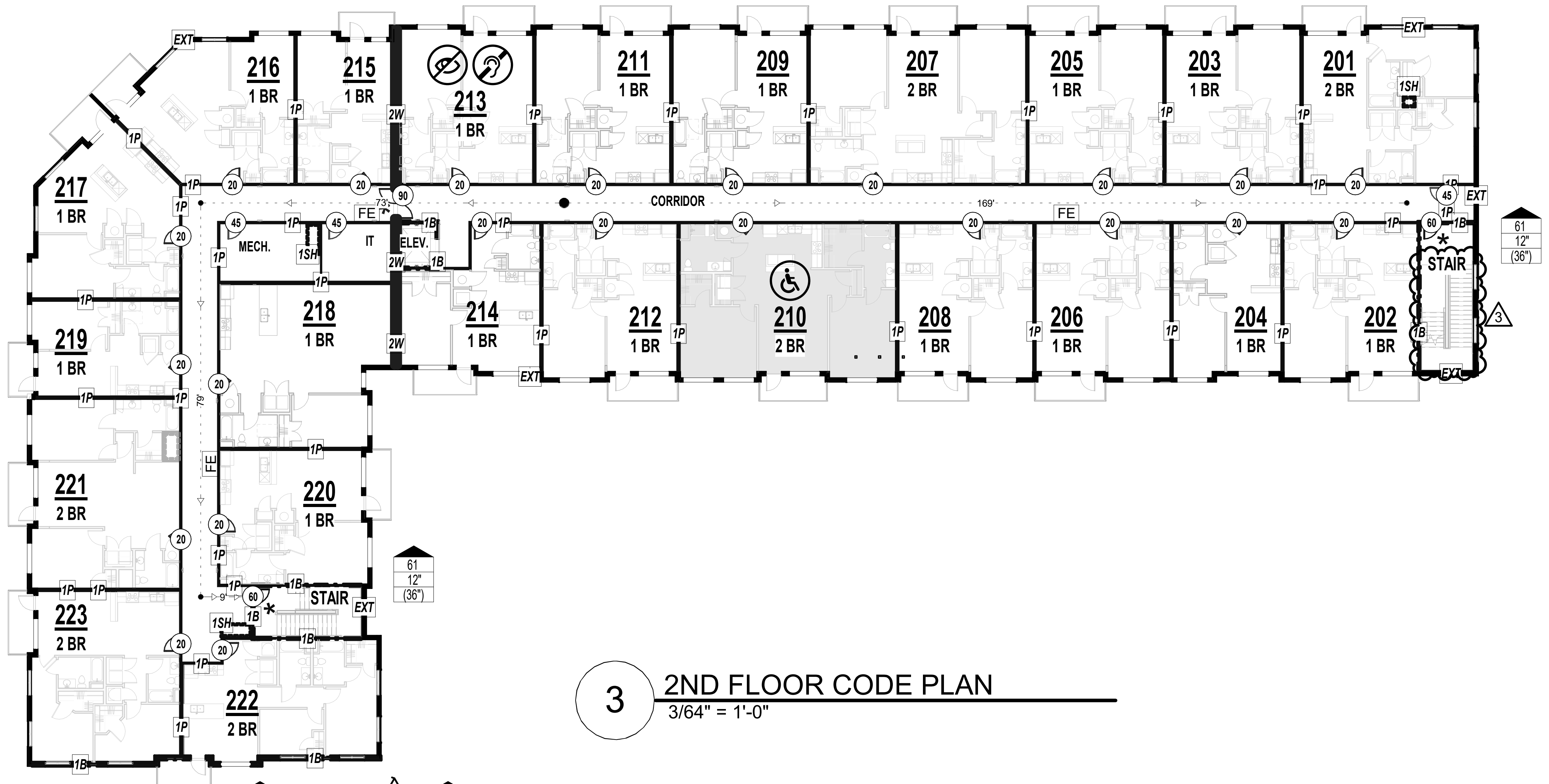
PROJECT NUMBER: 23099

SHEET NUMBER:
G-001



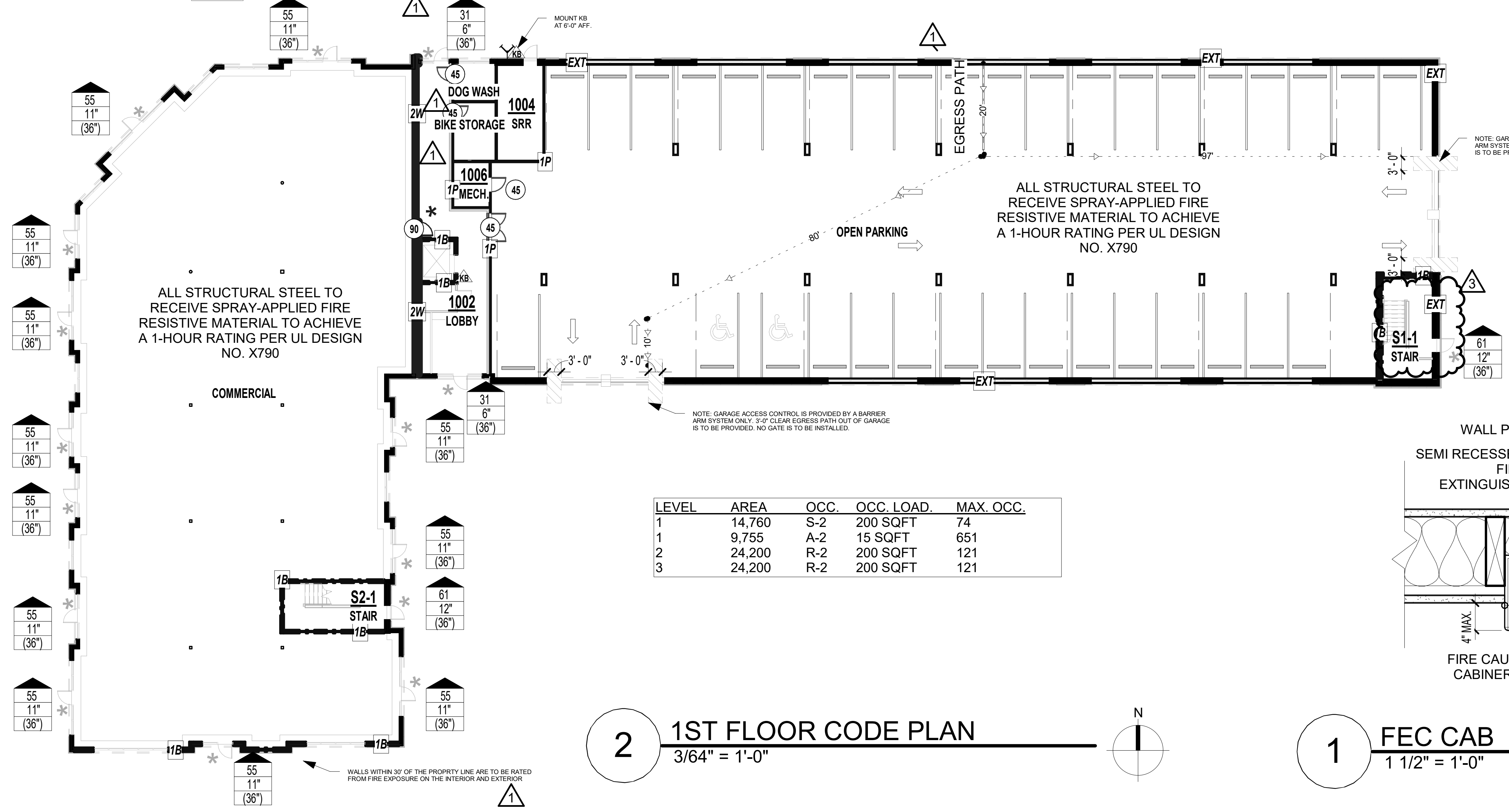
4 3RD FLOOR CODE PLAN

3/64" = 1'-0"



3 2ND FLOOR CODE PLAN

3/64" = 1'-0"



ALL STRUCTURAL STEEL TO RECEIVE SPRAY-APPLIED FIRE RESISTIVE MATERIAL TO ACHIEVE A 1-HOUR RATING PER UL DESIGN NO. X790

ALL STRUCTURAL STEEL TO RECEIVE SPRAY-APPLIED FIRE RESISTIVE MATERIAL TO ACHIEVE A 1-HOUR RATING PER UL DESIGN NO. X790

MOUNT KB AT 6'-0" AFF.

NOTE: GARAGE ACCESS CONTROL IS PROVIDED BY A BARRIER ARM SYSTEM ONLY. 3'-0" CLEAR EGRESS PATH OUT OF GARAGE IS TO BE PROVIDED. NO GATE IS TO BE INSTALLED.

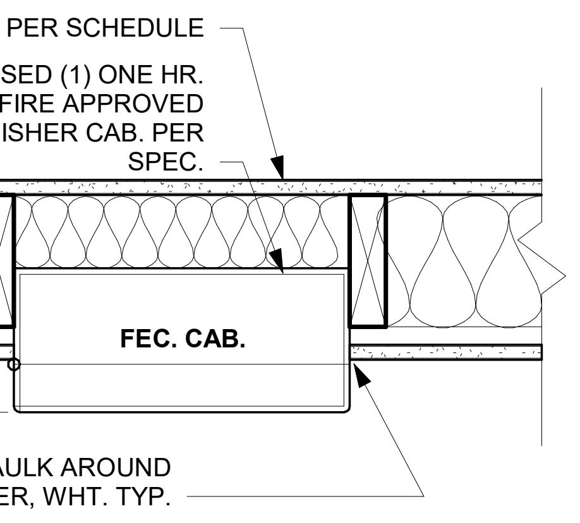
NOTE: GARAGE ACCESS CONTROL IS PROVIDED BY A BARRIER ARM SYSTEM ONLY. 3'-0" CLEAR EGRESS PATH OUT OF GARAGE IS TO BE PROVIDED. NO GATE IS TO BE INSTALLED.

WALLS WITHIN 30' OF THE PROPERTY LINE ARE TO BE RATED FROM FIRE EXPOSURE ON THE INTERIOR AND EXTERIOR

LEVEL	AREA	OCC.	OCC. LOAD.	MAX. OCC.
1	14,760	S-2	200 SQFT	74
1	9,755	A-2	15 SQFT	651
2	24,200	R-2	200 SQFT	121
3	24,200	R-2	200 SQFT	121

2 1ST FLOOR CODE PLAN

3/64" = 1'-0"



WALL PER SCHEDULE

SEMI RECESSED (1) ONE HR. FIRE APPROVED EXTINGUISHER CAB. PER SPEC.

FIRE CAULK AROUND CABINER, WHT. TYP.

1 FEC CAB

1 1/2" = 1'-0"

REFERENCE G-003 FOR GENERAL NOTES

CODE REVIEW

PROJECT NAME:	THE VILLAGE AT DISCOVERY - LOT 4
PROJECT LOCATION:	LEE'S SUMMIT, MO
CODE:	2018 IBC
CODE REVIEW COMPLETED BY:	A.J. DOLPH

CHAPTER THREE

SECTION 302 OCCUPANCY:	R-2, APARTMENTS A-2, UNCONCENTRATED S-2, OPEN PARKING GARAGE

CHAPTER FOUR

402 COVERED MALL BUILDINGS:	N/A	416 FLAMMABLE FINISHES:	N/A
403 HIGH RISE BUILDINGS:	N/A	417 DRYING ROOMS:	N/A
404 ATRIUMS:	N/A	418 ORGANIC COATINGS:	N/A
405 UNDERGROUND BUILDINGS:	N/A	419 LIV/WORK UNITS:	N/A
407 GROUP I-2:	N/A	421 HYDROGEN FUEL GAS ROOMS:	N/A
408 GROUP I-3:	N/A	422 AMBULATORY CARE FACILITY:	N/A
409 MOTION PICTURE PROJECTION:	N/A	423 STORM SHELTERS:	N/A
410 STAGES AND PLATFORMS:	N/A	424 CHILDREN'S PLAY STRUCTURE:	N/A
411 SPECIAL AMUSEMENT BUILDINGS:	N/A	425 HYPERBARIC FACILITY:	N/A
412 AIRCRAFT RELATED OCCUP:	N/A	426 COMBUSTIBLE DUSTS & GRAINS:	N/A
413 COMBUSTIBLE STORAGE:	N/A	427 MEDICAL GAS SYSTEMS:	N/A
414 HAZARDOUS MATERIALS:	N/A	428 HIGHER EDUCATION LAB:	N/A
415 GROUPS H-1, H-2, H-3, H-4, H-5:	N/A		

406.5 OPEN PARKING GARAGES:	MUST BE TYPE I, II, OR IV CONSTRUCTION 40% MIN. OPENING FOR NATURAL VENTILATION
420 GROUPS I-1, R-1, R-2, R-3, & R-4: 420.2 SEPARATION WALLS:	WALLS SEPARATING SLEEPING UNITS TO BE FIRE PARTITIONS PER SECTION 708
420.3 HORIZONTAL SEPARATION:	FLOORS SEPARATING SLEEPING UNITS TO BE HORIZONTAL ASSEMBLY PER SECTION 711
420.4 AUTOMATIC SPRINKLER:	13R PER 903.3.1.2 FOR R

CHAPTER FIVE

TABLE 504.3 ALLOWABLE HEIGHT IN FEET ABOVE GRADE PLANE:	CONSTRUCTION TYPE VA R: ACTUAL: 42'-0" ALLOWABLE: 60'-0" A: ACTUAL: 16'-0" ALLOWABLE: 50'-0"
TABLE 504.3 ALLOWABLE HEIGHT IN FEET ABOVE GRADE PLANE:	CONSTRUCTION TYPE IIA S: ACTUAL: 16'-0" ALLOWABLE: 85'-0"
TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE:	CONSTRUCTION TYPE VA R-2: ACTUAL: 3 ALLOWABLE: 4 STORIES A-2: ACTUAL: 1 ALLOWABLE: 2 STORIES
TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE:	CONSTRUCTION TYPE IIA S-2: ACTUAL: 1 ALLOWABLE: 6 STORIES
TABLE 506.2 ALLOWABLE AREA FACTOR:	CONSTRUCTION TYPE VA R-2: ACTUAL:24,200 ALLOWABLE: 12,000 SQFT A-2: ACTUAL:9,715 ALLOWABLE: 11,500 SQFT

AREA INCREASE TAKEN FOR R OCCUPANCY, SEE CALCULATION 506.2.4
FIRE SEPARATION WALL EMPLOYED IN R OCCUPANCY

TABLE 506.2 ALLOWABLE AREA FACTOR:	CONSTRUCTION TYPE IIA S-2: ACTUAL:14,485 ALLOWABLE: 117,000SQFT
506.2.4 MIXED-OCCUPANCY, MULTISTORY BUILDING:	Aa = [At + (NS x If)] Aa = [12,000 + (12,000 x 0.75)] Aa = 21,000
506.3 FRONTAGE INCREASE:	W = (Ln x Wn) / F W = (100 x 30) / 100 W = 30
506.33. AMOUNT OF INCREASE:	If = [F/P - 0.25]W/30 If = [100/100 - 0.25]30/30 If = 0.75
TABLE 508.4 REQUIRED SEPARATION OF OCCUPANCIES:	R - R: 1 HOUR R - A: 1 HOUR R - S: 1 HOUR A - A: 0 HOUR A - S: 0 HOUR S - S: 0 HOUR
TABLE 509 INCIDENTAL USES:	LAUNDRY > 100 SF, 1HR STORAGE > 100 SF, 1HR

CHAPTER SIX

TABLE 601 FIRE RESISTANCE REQS. FOR BUILDING ELEMENTS (HOURS):	CONSTRUCTION TYPE VA & IIA PRIMARY STRUCTURAL FRAME: 1 HOUR INTERIOR BEARING WALL: 1 HOUR EXTERIOR BEARING WALL: 1 HOUR NON-BEARING WALL: 0 HOUR FLOOR CONSTRUCTION: 1 HOUR ROOF CONSTRUCTION: 1 HOUR
TABLE 602 FIRE RESISTANCE REQS. FOR EXTERIOR WALLS BASED ON FIRE SEP. DISTANCE:	0 HOUR <30 FEET, 0 >30 FEET

CHAPTER SEVEN

704 FIRE-RESISTANCE RATING OF STRUCTURAL MEMBERS:	1 HOUR RATED SPRAY APPLIED FIRE RESISTANT MATERIAL
705.5 EXTERIOR WALLS FIRE-RESISTANCE RATING:	FIRE SEPARATION DISTANCE > 10'-0" RATED EXPOSURE FROM INSIDE ONLY
TABLE 705.8 MAX AREA OF EXTERIOR WALL OPENINGS:	FIRE SEPARATION DISTANCE > 25'-0" UNPROTECTED, NO LIMIT
706 FIRE WALLS:	2 HOUR RATED
707 FIRE BARRIERS:	1 HOUR RATED
708 FIRE PARTITIONS:	1 HOUR RATED
709 SMOKE BARRIERS:	N/A
710 SMOKE PARTITIONS:	N/A
711 FLOOR & ROOF ASSEMBLIES:	1 HOUR RATED
712 VERTICAL OPENINGS:	N/A
713 SHAFT ENCLOSURES:	1 HOUR RATED
714 PENETRATIONS:	MATCH ASSEMBLY RATING
715 FIRE-RESISTANT JOINT SYSTEM:	MATCH ASSEMBLY RATING
TABLE 716.1(2) OPENING FIRE PROTECTION & RATING:	2 HOUR FIRE BARRIER: 90 MINUTE DOOR 1 HOUR FIRE BARRIER: 60 MINUTE DOOR 1 HOUR CORRIDOR: 20 MINUTE DOOR
717 DUCTS AND AIR TRANSFER OPENINGS:	REQUIRED AT RATED PENETRATIONS, 1.5 HOUR DAMPER RATING
SECTION 718 CONCEALED SPACES:	FIREBLOCK & DRAFTSTOP

CHAPTER NINE

903 AUTOMATIC SPRINKLER SYSTEM:	R-2, REQUIRED: NFPA 13R A-2, REQUIRED: NFPA 13 S-2, REQUIRED: NFPA 13, DRY SYSTEM
905 STANDPIPE SYSTEM:	CLASS I REQUIRED
906 PORTABLE FIRE EXTINGUISHERS:	REQUIRED PER NFPA 10, 75'-0" MAX TRAVEL
907 FIRE ALARM & DETECTION SYSTEM:	REQUIRED PER NFPA 72
909 SMOKE CONTROL SYSTEM:	COMPLY WITH IMC

CHAPTER TEN

TABLE 1004.5 MAX FLOOR AREA ALLOWANCES PER OCCUPANT:	R-2, 200 GROSS A-2, 15 NET S-2, 200 GROSS
SECTION 1005 MEANS OF EGRESS SIZING:	STAIRS 0.2/OCC., W/ SPRINKLER EXCEPTION OTHER EGRESS 0.15/OCC., W/ SPRINKLER EXCP.
TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:	R-2: 20 OCC., 125' MAX. PATH OF EGRESS A: 49 OCC., 75' MAX. PATH OF EGRESS S: 29 OCC., 100' MAX. PATH OF EGRESS
TABLE 1006.3.2 MINIMUM NUMBER OF EXITS PER STORY:	2 EXITS REQ.D W/ OCCUPANT LOAD/STORY 1-500
1009.3.3 AREA OF REFUGE:	NOT REQUIRED W/ SPRINKLER EXCEPTION
1009.8 TWO-WAY COMMUNICATION:	REQ'D. AT EACH ELEV. LANDING ABOVE GRADE
1011.2 STAIRWAY WIDTH CAPACITY:	44" MIN.
1011.12 STAIRWAY TO ROOF:	UNOCCUPIED ROOF, ACCESS VIA ROOF HATCH
1014.2 HANDRAIL HEIGHT:	34" MIN. - 38" MAX.
1014.6 HANDRAIL EXTENSIONS:	EXTEND HORIZONTALLY 12" BEYOND TOP RISER CONTINUE SLOPE 1 DEPTH TREAD AT BOTTOM
1015 GUARDS:	42" MIN. HEIGHT, 4" MAX. OPENING
TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE:	R: 250' W/ 13R SPRINKLER A: 250' W/ 13 SPRINKLER S: 400' W/ 13 SPRINKLER
1019 EXIT ACCESS STAIRWAYS:	1 HOUR RATED PER 713
TABLE 1020.1 CORRIDOR RATING:	R: 1/2 HOUR RATED W/ 13R SPRINKLER A: NO RATING REQ.D W/ 13 R SPRINKLER
1020.1.1 HOISTWAY OPENING PROTECTION:	NOT REQUIRED PER 3006.2
TABLE 1020.2 MIN. CORRIDOR WIDTH:	44" MIN.
1020.4 DEAD ENDS:	20'-0" MAX.

CHAPTER ELEVEN

ACCESSIBILITY TO COMPLY WITH THIS CH. OF IBC, ICC A117.1, ADA, & FAIR HOUSING

TABLE 1106.1 ACC. PARKING:	SEE CIVIL
TABLE 1107.6.1.1 ACCESSIBLE DWELLING & SLEEPING UNITS:	2% OF TOTAL REQ'D. TO BE TYPE A

CHAPTER TWELVE

1206 SOUND TRANSMISSION:	50STC RATING BETWEEN SLEEPING UNITS

CODE PLAN GENERAL NOTES:

1. FIRE EXTINGUISHERS SHALL BE LOCATED SO THAT THE MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 75 FEET. GENERAL CONTRACTOR TO PROVIDE SEMI-RECESSED FIRE EXTINGUISHER CABINETS WITH FIRE EXTINGUISHERS THROUGHOUT AT ACCESSIBLE HEIGHT.
2. SIGNS IDENTIFYING FIRE PROTECTION EQUIPMENT, CONTROLS FOR AIR CONDITIONING SYSTEMS, SPRINKLER RISERS AND VALVES, OR OTHER FIRE DETECTION, SUPPRESSION OR CONTROL ELEMENTS SHALL BE IDENTIFIED FOR THE USE OF THE FIRE DEPARTMENT PER 2018 IBC. SIGNAGE SHALL ALSO MEET 2018 IFC REQUIREMENTS FOR HEIGHT AND LETTERING. GC TO COORDINATE WITH AUTHORITY HAVING JURISDICTION ON ALL SIGNAGE.
3. KNOX BOX QUANTITY AND LOCATION TO BE COORDINATED BY THE GENERAL CONTRACTOR WITH AUTHORITY HAVING JURISDICTION.
4. ANNUNCIATOR PANEL AND FACP QUANTITY AND LOCATION TO BE COORDINATED BY THE GENERAL CONTRACTOR WITH AUTHORITY HAVING JURISDICTION PRIOR TO INSTALL.
5. ALL DIMENSIONS ARE APPROXIMATE ON CODE PLAN. ACTUAL ARCHITECTURAL DIMENSIONS PER ARCHITECTURAL AND STRUCTURAL PLAN.

CODE PLAN LEGEND

100	NUMBER OF OCCUPANTS EXITING
20"	REQUIRED EXIT WIDTH
(72")	EXIT WIDTH PROVIDED BY DESIGN
━━━━	EXT. - RATED PARTITION (IBC CH. 6)
────	NON - RATED PARTITION
1P ━━ 1P	1 HR RATED PARTITION (IBC 708)
1B ━━ 1B	1 HR RATED BARRIER (IBC 707)
1SH ╍╍ 1SH	1 HR RATED SHAFT ENCLOSURE (IBC 713)
2W ━━ 2W	2 HR RATED FIRE WALL (IBC 706)

	ROOM NUMBER
FE	FIRE EXTINGUISHER CABINET OR SURFACE MTD. AT CONC.
KB	FIRE DEPARTMENT KNOX BOX (DEFER SUBMITTAL FOR LOC.)
Y	FIRE DEPARTMENT CONENCTION
60/S	DOOR RATING
✳	DOOR WITH PANIC HARDWARE (SEE DOOR SCHEDULE)
⊗	EXIT SIGNAGE; SEE ELECTRICAL
●	EGRESS STARTING POINT
20'	EGRESS DISTANCE OF TRAVEL
▷	EGRESS DIRECTION OF TRAVEL

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/24	ADDENDUM #1
3	12/20/24	ADDENDUM #3

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

1526 Grand Boulevard
Kansas City, MO 64108-1404
p: 816.472.1448
w: www.rosemann.com

dENVER ▲ KANSAS CITY ▲ ST. LOUIS ▲ ATLANTA

STATE OF MISSOURI
DAVID EUGENE HENDRIKSE
NUMBER A-7305
REGISTERED ARCHITECT
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
CODE ANALYSIS

PROJECT NUMBER: 23099

SHEET NUMBER:

G-100

12/20/2024 7:06:03 PM
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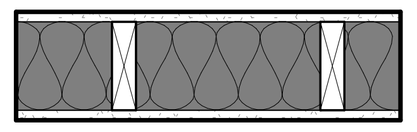
SEE G-102 FOR PARTITION NOTES AND ACCOUSTIC SEALING

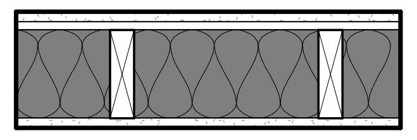
INTERIOR BARRIER ASSEMBLIES WOOD - 1 HR RATED



P20

WOOD 2X6 STUD - 1HR BARRIER - INTERIOR
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD
- 2x6 WOOD STUDS SPACED 16" O.C. MAX, OR PER STRUCT. DWGS.
- 5-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

NOTES:
a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (SEPT 19, 2023)
b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS
c. SHALL COMPLY WITH IBC SECTION 7 FOR FIRE BARRIERS

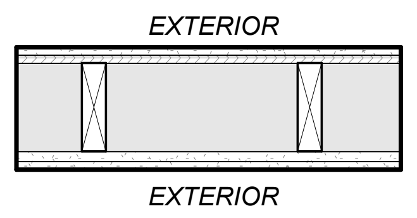


P21

WOOD 2X6 STUD - 1HR BARRIER - INTERIOR SOUND DAMPENING
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD
- 25 MSG GALVANIZED RESILIENT CHANNEL, SPACED 24" O.C.
- 2x6 WOOD STUDS SPACED 16" O.C. MAX OR PER STRUCT. DWGS.
- 5-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

NOTES:
a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (SEPT 19, 2023)
b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS
c. SHALL COMPLY WITH IBC SECTION 7 FOR FIRE BARRIERS
d. STC SHALL BE 50 OR OVER AT UNIT ASSEMBLIES, MEETING ASTM E90 (STC 51 BASED UPON TESTING NGC 2011071)
e. WHERE BARRIER DIVIDES A CORRIDOR AND A UNIT, CORRIDOR SIDE SHALL RECEIVE THE RESILIENT CHANNEL

EXTERIOR PARTITION ASSEMBLIES WOOD - NON RATED

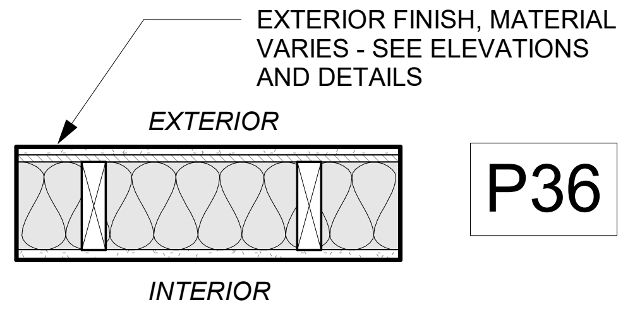


P31

WOOD 2x6 STUD - NON-RATED EXTERIOR - AT BALCONY (DELTA UNIT)
EXTERIOR
- STUCCO
- METAL LATH
- WEATHER RESISTANT BARRIER, PER SPECIFICATIONS
- (1) LAYER SHEATHING PER STRUCT. DWGS.
- 2x6 WOOD STUDS SPACED 16" O.C. MAX OR PER STRUCT. DWGS.
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD
- METAL LATH
- STUCCO

EXTERIOR

NOTES:
a. SCREW PATTERN PER STRUCT.

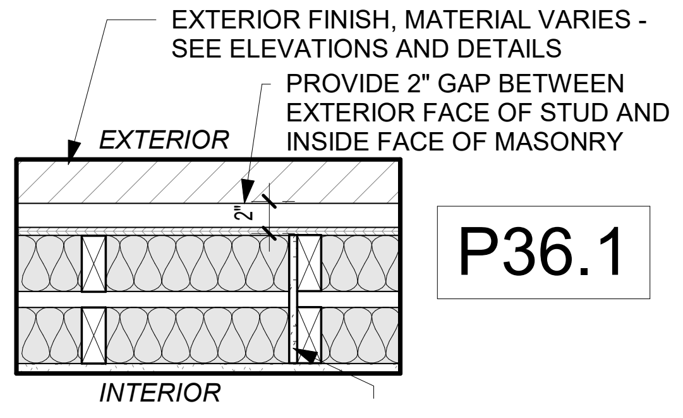

EXTERIOR FINISH, MATERIAL VARIES - SEE ELEVATIONS AND DETAILS
EXTERIOR
INTERIOR

P36

WOOD 2x6 STUD - NON-RATED EXTERIOR
EXTERIOR
- EXTERIOR FINISH SYSTEM PER ELEVATIONS
- WEATHER RESISTANT BARRIER, PER SPECIFICATIONS
- (1) LAYER SHEATHING PER STRUCT. DWGS.
- 2x6 WOOD STUDS SPACED 16" O.C. MAX OR PER STRUCT. DWGS.
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

INTERIOR

NOTES:
a. INTERIOR TO BE PAINTED PER FINISH SCHEDULE
b. SCREW PATTERN PER STRUCT.
c. R-13 MIN. INSULATION R-VALUE

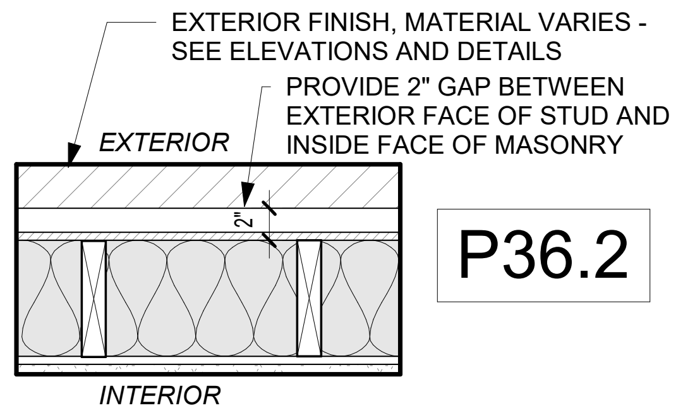

EXTERIOR FINISH, MATERIAL VARIES - SEE ELEVATIONS AND DETAILS
PROVIDE 2" GAP BETWEEN EXTERIOR FACE OF STUD AND INSIDE FACE OF MASONRY
EXTERIOR
2"
INTERIOR
1/2" GYP DRAFT STOP @ MAX 10' O.C. (RE: IBC 718.3 FOR LOCATION REQ'S)

P36.1

WOOD 2x6 STUD - NON-RATED EXTERIOR
EXTERIOR
- EXTERIOR FINISH SYSTEM PER ELEVATIONS
- WEATHER RESISTANT BARRIER, PER SPECIFICATIONS
- (1) LAYER SHEATHING PER STRUCT. DWGS.
- 2x4 WOOD STUDS SPACED 16" O.C. MAX OR PER STRUCT. DWGS.
- 1" AIR GAP
- 2x4 WOOD STUDS SPACED 16" O.C. MAX OR PER STRUCT. DWGS.
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

INTERIOR

NOTES:
a. INTERIOR TO BE PAINTED PER FINISH SCHEDULE
b. SCREW PATTERN PER STRUCT.


EXTERIOR FINISH, MATERIAL VARIES - SEE ELEVATIONS AND DETAILS
PROVIDE 2" GAP BETWEEN EXTERIOR FACE OF STUD AND INSIDE FACE OF MASONRY
EXTERIOR
2"
INTERIOR

P36.2

WOOD 2x8 STUD - NON-RATED EXTERIOR (UPPER FLOORS AT STAIRS)
EXTERIOR
- EXTERIOR FINISH SYSTEM PER ELEVATIONS
- WEATHER RESISTANT BARRIER, PER SPECIFICATIONS
- (1) LAYER SHEATHING PER STRUCT. DWGS.
- 2x8 WOOD STUDS SPACED 16" O.C. MAX OR PER STRUCT. DWGS.
- 1/2" RESILIENT CHANNEL
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

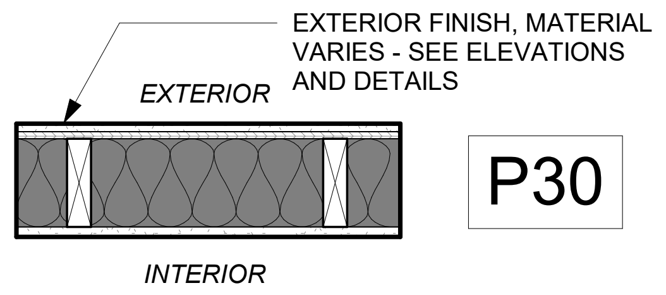
INTERIOR

NOTES:
a. INTERIOR TO BE PAINTED PER FINISH SCHEDULE
b. SCREW PATTERN PER STRUCT.

3

EXTERIOR PARTITION ASSEMBLIES WOOD - 1 HOUR RATED

1


EXTERIOR FINISH, MATERIAL VARIES - SEE ELEVATIONS AND DETAILS
EXTERIOR
INTERIOR

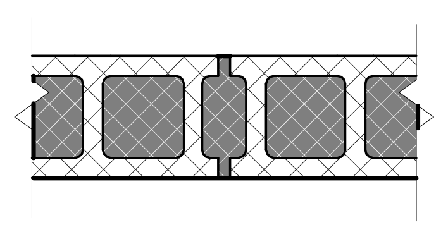
P30

WOOD 2X6 STUD - 1HR PARTITION - EXTERIOR
EXTERIOR
- EXTERIOR FINISH SYSTEM PER ELEVATIONS
- WEATHER RESISTANT BARRIER, PER SPECIFICATIONS
- (1) LAYER SHEATHING PER STRUCT. DWGS.
- 2x6 WOOD STUDS SPACED 16" O.C. MAX OR PER STRUCT. DWGS.
- 5-1/2" KRAFT OR FOIL FACED BATT INSULATION IN STUD CAVITY, R-VALUE PER DRAWINGS/SPECIFICATIONS TO MEET IECC.
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

INTERIOR

NOTES:
a. ASSEMBLY TO COMPLY WITH UL DESIGN U356 (NOV 26, 2019)
b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS
c. EXTERIOR SYSTEM TO BE PER DETAILS AND ELEVATIONS

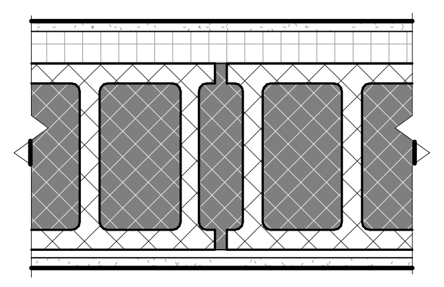
INTERIOR ASSEMBLIES CMU / CONCRETE - 1 HR RATED



P40

CMU 8" BLOCK - 1HR PARTITION - INTERIOR
- 8" CMU (REINFORCING PER STRUCT)

NOTES:
a. RATING SHALL MEET IBC 2018 SECTION 721 - PRESCRIPTIVE FIRE RESISTANCE FOR 1HR RATING. SHALL MEET TABLE 721.1(2).3. - CONCRETE MASONRY UNITS. ALL TIES. MORTAR TO MEET IBC SECTION 721.
b. APPLY WATERPROOFING AT ALL SUBGRADE PORTION OF WALLS

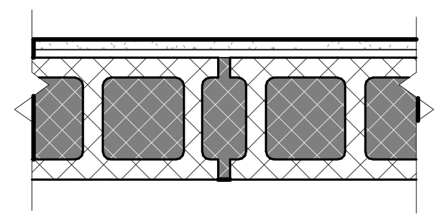


P43

CMU 12" BLOCK - 1HR PARTITION - INTERIOR
- EXTERIOR GYPSUM BOARD
- WEATHER RESISTANT BARRIER PER SPECIFICATIONS
- R VALUE PER IECC AS INDICATED ON DRAWINGS / SPECIFICATIONS
- 12" CMU (REINFORCING PER STRUCT)
- RESILIENT CHANNEL
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

NOTES:
a. RATING SHALL MEET IBC 2018 SECTION 721 - PRESCRIPTIVE FIRE RESISTANCE FOR 1HR RATING. SHALL MEET TABLE 721.1(2).3. - CONCRETE MASONRY UNITS. ALL TIES. MORTAR TO MEET IBC SECTION 721.
b. APPLY WATERPROOFING AT ALL SUBGRADE PORTION OF WALLS

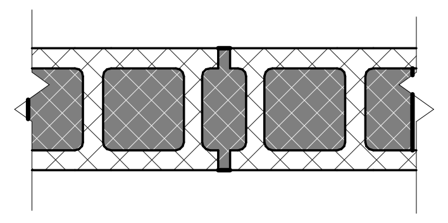
INTERIOR BARRIER ASSEMBLIES CMU / CONCRETE - 1 HR RATED



P40.1

CMU 8" BLOCK - 1HR BARRIER - INTERIOR
- 8" CMU (REINFORCING PER STRUCT)
- RESILIENT CHANNEL
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

NOTES:
a. RATING SHALL MEET IBC 2018 SECTION 721 - PRESCRIPTIVE FIRE RESISTANCE FOR 1HR RATING. SHALL MEET TABLE 721.1(2).3. - CONCRETE MASONRY UNITS. ALL TIES. MORTAR TO MEET IBC SECTION 721.
b. APPLY WATERPROOFING AT ALL SUBGRADE PORTION OF WALLS

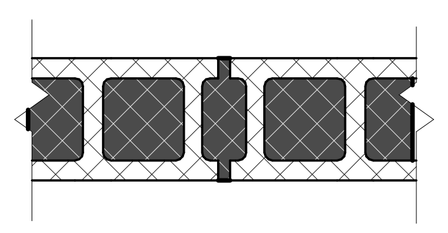


P40.2

CMU 8" BLOCK - 1HR BARRIER - INTERIOR
- 8" CMU (REINFORCING PER STRUCT)

NOTES:
a. RATING SHALL MEET IBC 2018 SECTION 721 - PRESCRIPTIVE FIRE RESISTANCE FOR 1HR RATING. SHALL MEET TABLE 721.1(2).3. - CONCRETE MASONRY UNITS. ALL TIES. MORTAR TO MEET IBC SECTION 721.
b. APPLY WATERPROOFING AT ALL SUBGRADE PORTION OF WALLS

INTERIOR ASSEMBLIES CMU / CONCRETE - 2 HR RATED

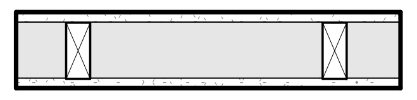


P42

CMU 8" BLOCK - 2HR FIRE WALL - INTERIOR
- 8" CMU (REINFORCING PER STRUCT)

NOTES:
a. ASSEMBLY TO COMPLY WITH UL DESIGN U905 (APRIL 14, 2023)
b. APPLY WATERPROOFING AT ALL SUBGRADE PORTION OF WALLS

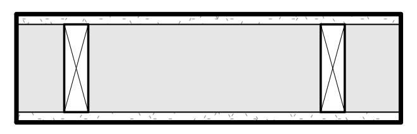
INTERIOR PARTITION ASSEMBLIES WOOD - NON RATED



P1

WOOD 2X4 STUD - NON-RATED PARTITION - INTERIOR
- (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD
- 2x4 WOOD STUDS SPACED 16" O.C.
- (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD

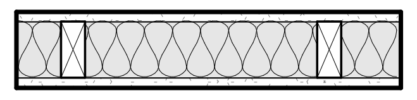
NOTES:
a. ATTACH GYPSUM WITH 1-1/4" TYPE 'W' STEEL SCREWS @ 12" O.C.



P2

WOOD 2X6 STUD - NON-RATED PARTITION - INTERIOR
- (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD
- 2x6 WOOD STUDS SPACED 16" O.C.
- (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD

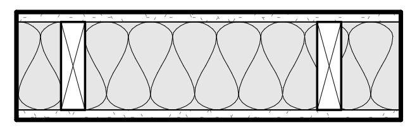
NOTES:
a. ATTACH GYPSUM WITH 1-1/4" TYPE 'W' STEEL SCREWS @ 12" O.C.



P4

WOOD 2X4 STUD - NON-RATED PARTITION - INTERIOR SOUND DAMPENING
- (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD
- 2x4 WOOD STUDS SPACED 16" O.C.
- 3 1/2" BATT INSULATION IN STUD CAVITY
- (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD

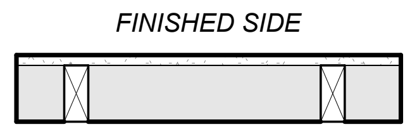
NOTES:
a. ATTACH GYPSUM WITH 1-1/4" TYPE 'W' STEEL SCREWS @ 12" O.C.



P5

WOOD 2X6 STUD - NON-RATED PARTITION - INTERIOR SOUND DAMPENING
- (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD
- 2x6 WOOD STUDS SPACED 16" O.C.
- 5 1/2" BATT INSULATION IN STUD CAVITY
- (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD

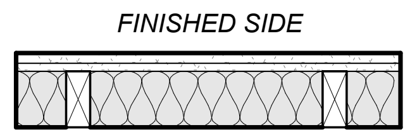
NOTES:
a. ATTACH GYPSUM WITH 1-1/4" TYPE 'W' STEEL SCREWS @ 12" O.C.



P7

WOOD 2X4 STUD - NON-RATED FURRING - INTERIOR
- (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON OCCUPIED SIDE
- 2x4 WOOD STUDS SPACED 16" O.C.

NOTES:
a. ATTACH GYPSUM WITH 1-1/4" TYPE 'W' STEEL SCREWS @ 12" O.C.

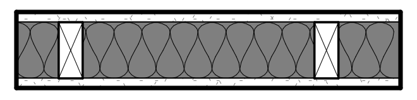


P8

WOOD 2X4 STUD - NON-RATED FURRING - INTERIOR SOUND DAMPENING
- (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON OCCUPIED SIDE
- (1) LAYER OF 1/2" CELLULOSE FIBER WALL BD.
- 3 1/2" BATT INSULATION IN STUD CAVITY
- 2x4 WOOD STUDS SPACED 16" O.C.

NOTES:
a. ATTACH INNER LAYER PER MFR RECOMMENDATION.
b. ATTACH GYPSUM WITH 2-3/8" TYPE 'W' STEEL SCREWS @ 8" O.C.

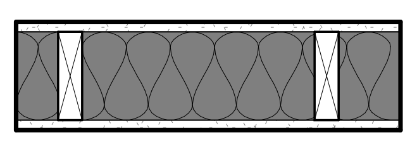
INTERIOR PARTITION ASSEMBLIES WOOD - 1 HR RATED



P10

WOOD 2X4 STUD - 1HR PARTITION - INTERIOR
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD
- 2x4 WOOD STUDS SPACED 16" O.C. MAX, OR PER STRUCT. DWGS.
- 3-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

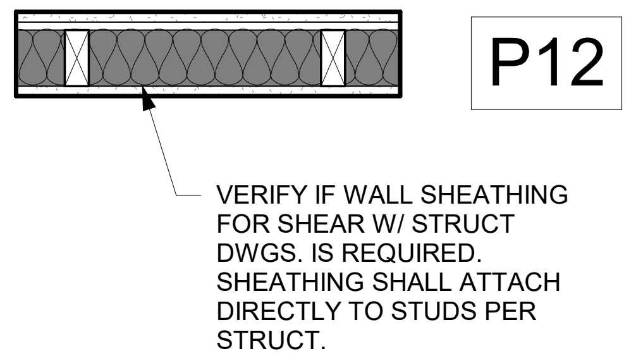
NOTES:
a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (SEPT 19, 2023)
b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS



P11

WOOD 2X6 STUD - 1HR PARTITION - INTERIOR
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD
- 2x6 WOOD STUDS SPACED 16" O.C. MAX, OR PER STRUCT. DWGS.
- 5-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

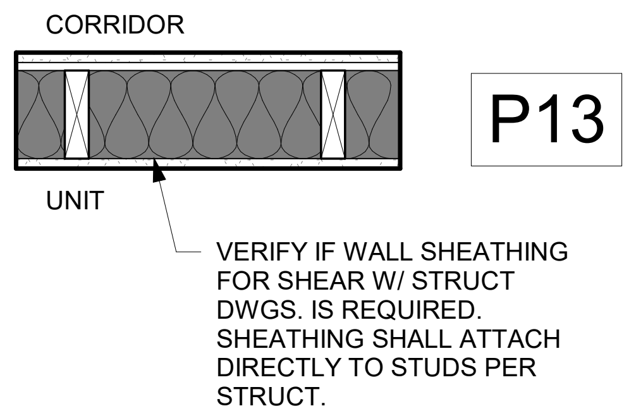
NOTES:
a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (SEPT 19, 2023)
b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS


VERIFY IF WALL SHEATHING FOR SHEAR W/ STRUCT DWGS. IS REQUIRED. SHEATHING SHALL ATTACH DIRECTLY TO STUDS PER STRUCT.

P12

WOOD 2X4 STUD - 1HR PARTITION - INTERIOR SOUND DAMPENING
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD
- 25 MSG GALVANIZED STEEL RESILIENT CHANNEL, 24" O.C.
- 2x4 WOOD STUDS SPACED 16" O.C. MAX. OR PER STRUCT. DWGS.
- 3-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

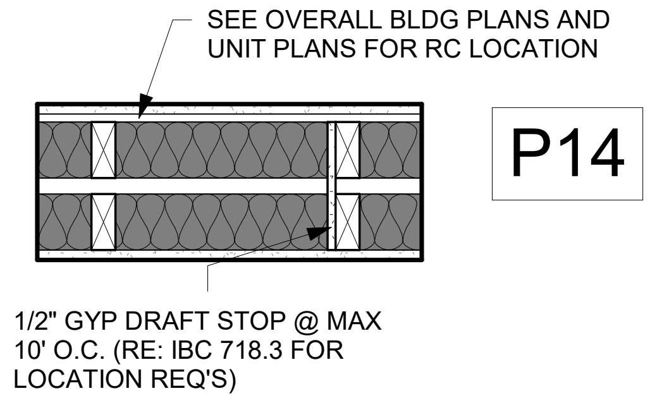
NOTES:
a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (JAN 14, 2020)
b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS
c. STC SHALL BE 50 OR OVER AT UNIT ASSEMBLIES, MEETING ASTM E90 (STC 51 BASED UPON TESTING NGC 2011071)
d. WHERE PARTITION DIVIDES A CORRIDOR AND UNIT, RESILIENT CHANNEL SHALL BE ON CORRIDOR SIDE OF WALL, GC TO COORDINATE
e. WHERE PARTITION IS USED AS A DEMISING WALL AND/OR FOR STRUCTURAL SHEAR, GC TO COORDINATE ADDITIONAL LAYERS OF STRUCTURAL MATERIAL PER STRUCTURAL DRAWINGS. THESE LAYERS TO BE ADDITIVE TO THE ASSEMBLY LISTED ABOVE AND SHALL BE INCORPORATED PER UL 263. WHERE ONLY ONE LAYER IS ADDED FOR STRUCTURAL SHEAR, THIS SHALL BE PLACED ON SIDE OF WALL WHERE ONLY GYPSUM BOARD RESIDES, NOT ON RESILIENT CHANNEL SIDE.


CORRIDOR
UNIT
VERIFY IF WALL SHEATHING FOR SHEAR W/ STRUCT DWGS. IS REQUIRED. SHEATHING SHALL ATTACH DIRECTLY TO STUDS PER STRUCT.

P13

WOOD 2X6 STUD - 1HR PARTITION - INTERIOR SOUND DAMPENING
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD
- 25 MSG GALVANIZED STEEL RESILIENT CHANNEL, 24" O.C.
- 2x6 WOOD STUDS SPACED 16" O.C. MAX. OR PER STRUCT. DWGS.
- 5-1/2" FRICTION FIT UNFACED BATT INSULATION IN STUD CAVITY
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

NOTES:
a. ASSEMBLY TO COMPLY WITH UL DESIGN U305 (SEPT 19, 2023)
b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS
c. STC SHALL BE 50 OR OVER AT UNIT ASSEMBLIES, MEETING ASTM E90 (STC 51 BASED UPON TESTING NGC 2011071)
d. WHERE PARTITION DIVIDES A CORRIDOR AND UNIT, RESILIENT CHANNEL SHALL BE ON CORRIDOR SIDE OF WALL, GC TO COORDINATE
e. WHERE PARTITION IS USED AS A DEMISING WALL AND/OR FOR STRUCTURAL SHEAR, GC TO COORDINATE ADDITIONAL LAYERS OF STRUCTURAL MATERIAL PER STRUCTURAL DRAWINGS. THESE LAYERS TO BE ADDITIVE TO THE ASSEMBLY LISTED ABOVE AND SHALL BE INCORPORATED PER UL 263. WHERE ONLY ONE LAYER IS ADDED FOR STRUCTURAL SHEAR, THIS SHALL BE PLACED ON SIDE OF WALL WHERE ONLY GYPSUM BOARD RESIDES, NOT ON RESILIENT CHANNEL SIDE.


SEE OVERALL BLDG PLANS AND UNIT PLANS FOR RC LOCATION
1/2" GYP DRAFT STOP @ MAX 10' O.C. (RE: IBC 718.3 FOR LOCATION REQ'S)

P14

WOOD DOUBLE 2X4 STUD - 1HR PARTITION - INTERIOR
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD
- 25 MSG GALVANIZED STEEL 1/2" RESILIENT CHANNEL, 24" O.C.
- 2x4 WOOD STUDS SPACED 16" O.C. MAX, OR PER STRUCT. DWGS.
- 3 1/2" FRICTION FIT BATT INSULATION IN STUD CAVITY
- 1" AIR GAP
- 2x4 WOOD STUDS SPACED 16" O.C. MAX, OR PER STRUCT. DWGS.
- 3 1/2" FRICTION FIT BATT INSULATION IN STUD CAVITY
- (1) LAYER 5/8" TYPE "X" GYPSUM BOARD

NOTES:
a. ASSEMBLY TO COMPLY WITH UL U341 (AUG 4, 2023)
b. REFER TO UL FOR SCREW PATTERN AND OTHER REQUIREMENTS
c. PROVIDE 1/2" GYP BOARD DRAFT STOP AT MAX 10'-0" O.C.
d. STC SHALL BE 50 OR OVER AT UNIT ASSEMBLIES, MEETING ASTM E90 (STC 61 BASED UPON TESTING TL11-120)

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/24	ADDENDUM #1
3	12/20/24	ADDENDUM #3

rosemann & ASSOCIATES p.c.
ARCHITECTURE
INTERIOR DESIGN
ENGINEERING
PLANNING
1526 Grand Boulevard
Kansas City, MO 64108-1404
p: 816.472.1448
w: www.rosemann.com

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STATE OF MISSOURI
DAVID EUGENE HENDRIKSE
NUMBER A-7305
REGISTERED ARCHITECT
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
PARTITION ASSEMBLIES - WALLS

PROJECT NUMBER: 23099

SHEET NUMBER:

G-101

A. DESIGN CRITERIA

1. Design Codes:
   a. International Building Code: IBC 2018
   b. Minimum Design Loads for Buildings and Other Structures: ASCE 7-16
2. Design Loads:
   a. Dead Loads

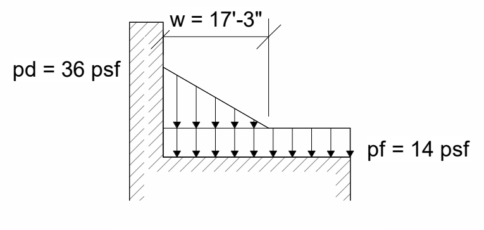
Wood Floors = 27 psf
Composite Deck w/ LW Concrete = 51 psf
Walls within Residential Units = 15 psf (additive to floor load)
Roof = 20 psf plus mechanical equipment shown on roof plan
King Size Brick Veneer = 36 psf max allowed
Large Format Masonry = 70 psf max allowed
EIFS Finish System = 10 psf max allowed

b. Live Loads (reducible per code UNO)

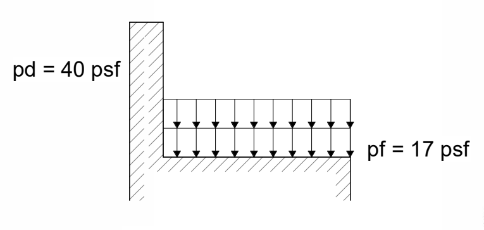
Slab on Grade = 100 psf
Private Rooms and Corridors Serving them = 40 psf
Mechanical/Storage = 125 psf (non-reducible)
Balconies = 60 psf (1.5 x Occupancy Served)
Typical Roof = 20 psf
Handrails = 200 lb point load at any point on handrail or on top rail
= 50 plf linear load on top rail
Public Rooms = 100 psf (non-reducible)
Public Corridors = 100 psf

c. Roof Snow Load

Ground Snow Load (p_g) = 20 psf
Flat Roof Snow Load (p_f) = 14 psf
Snow Exposure Factor (Ce) = 1.0
Snow Load Importance (I_s) = 1.0
Thermal Factor (C_t) = 1.0
Slope Factor (C_s) = 1.0
Main Roof Parapet Snow Drift Load (p_d) = 36 psf
Main Roof Parapet Snow Drift width (w) = 17'-3"
Balcony Snow
Balcony Snow Drift Load = 40 psf
Balcony Snow Drift width (w) = Full Balcony Depth
Rain on Snow Surcharge = 5 psf



MAIN ROOF SNOW DRIFT AT PARAPET

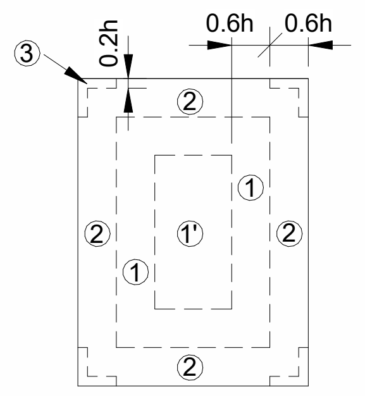


BALCONY SNOW DRIFT LOAD DIAGRAM

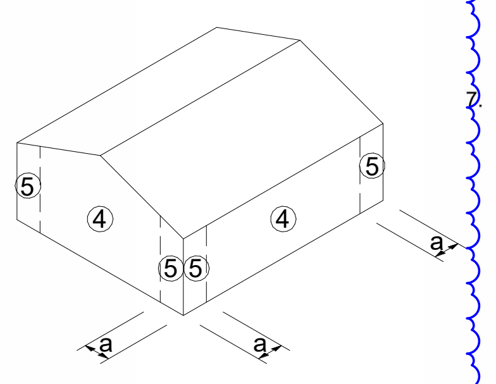
d. Wind Load

Basic Design Wind Speed, V = 109 mph (3 sec. Gust)
ASD Wind Speed, V_{asd} = 85 mph
Risk Category = II
Wind Exposure = C
Internal pressure Coefficient (GC_{pi}) = ±0.18
Components and Cladding (psf):

Zone	A=10ft²	A=50 ft²	A=100 ft²
Negative Zone1	-49.6	-42	+16/-34
Negative Zone 1'	-28.5	-28.5	+16/-46
Negative Zone 2	-65.4	-55.7	+16/-48
Negative Zone 3	-65.4	-55.7	+26/-28
Positive Zone 1 & 1'	16	16	16
Positive Zones 2 & 3	28.5	25.6	24.3
Negative Zone 4	-30.9	-26.7	-27.9
Negative Zone 5	-38.0	-29.6	-32.1
Positive Zone 4 & 5	28.5	24.3	25.6



GABLE, SAWTOOTH AND MULTISPAN GABLE θ ≤ 7 DEGREES & MONOSLOPE ≤ 3 DEGREES h ≤ 60' & ALT DESIGN h < 90'



WALLS h ≤ 60' & ALT DESIGN h < 90'

Notes:
1. A is the Effective Wind Area as defined in ASCE 7 Ch. 26.
2. Linear interpolation between tabulated values is permitted.
3. Elements with Tributary Area (A_t) > 700 ft² shall be permitted to be designed using provisions for MWFRS.
4. Ultimate loads shown

e. Earthquake Load

Risk Category = II
Seismic Importance Factor (I_e) = 1.0
Mapped Spectral Response Acceleration Parameters
S_S = 0.099g S_1 = 0.068g
Design Spectral Response Acceleration Parameters
S_{DS} = 0.086 S_{D1} = 0.068
Soil Site Class: C
Seismic Design Category B
Basic Seismic Force Resisting System(s)
Wood Walls with Wood Structural Panels (ASCE 7 Table 12.2-1 Line A.15)
R = 6.5 Ω_0 = 3.0 C_s = 0.013 C_D = 4.0
(Ω_0 reduced to 2.5 per ASCE7-16 Table 12.2-1 footnote *b*)
Wood Walls with Panels of other Materials (Gypsum) (ASCE 7 Table 12.2-1 Line A.17)
R = 2.0 Ω_0 = 2.5 C_s = 0.043 C_D = 2.0
(Ω_0 reduced to 2.0 per ASCE7-16 Table 12.2-1 footnote *b*)
Ordinary Reinforced Masonry Shear Walls (ASCE 7 Table 12.2-1 Line A.9)
R = 2.0 Ω_0 = 2.5 C_s = 0.043 C_D = 1.75
Design Base Shear, V= C_s x W = 235 kips Derived using Max C_s Value
Analysis Procedure = Equivalent Lateral Force Procedure (ASCE 7-16 Chapter 12.8)

f. Rain Load

100 Year 15 min. Rain Intensity (i) = 7.5 in/hr

3. Allowable Deflections:

	Total Load	Live/Snow/Wind Load	Absolute Maximum
Floor Joists/Trusses	L/360	L/480	1"
Roof Joists/Trusses	L/240	L/360	1.5"
Wall Framing (flexible finish)		L/360	0.75"
Wall Framing (brittle/brick finish)		L/600	0.5"

Cantilever deflection limits are the more restrictive of 2 x the appropriate L/--- limit (e.g. 2L/360 = L/180) or absolute maximum value listed above, measured at the tip of the cantilever U.N.O.

4. Soil Properties:
   a. Foundation design is based on the following to be considered part of the construction documents:
      i) Geotechnical Report prepared by Olsson, dated Oct. 4, 2023.
      ii) Signed and Sealed Letter from Own Inc. dated July 15, 2024 regarding use of Rammed Aggregate Piers as a foundation option.
      iii) Signed Letter from Ground Improvement Engineering by Vaughn Rupnow, PE, dated May 31, 2024 confirming Rammed Aggregate Piers as a viable foundation option with **allowable subgrade bearing pressure of 6,000 psf**.
   b. It is the Owner's decision to proceed with Rammed Aggregate Piers.

B. STRUCTURAL ENGINEERING DESIGN NARRATIVE

1. McClure Engineering Company (McClure, MEC) is the Structural Engineer of Record (EOR) responsible for the documentation of structural design criteria, strength and stability the primary vertical and lateral load-carrying systems in their completed form, and conformance of the structural design to the applicable building codes. These drawings produced by McClure convey the structural engineering design for the project, which includes the following components and systems:
   a. Foundations consisting of concrete frost walls, pedestals, and footing supported by rammed aggregate piers.
   b. Slabs on grade.
   c. Residential Building Framing:
      i. Load-bearing wood wall and opening framing.
      ii. Wood floor and roof trusses and dimensional lumber joists.
      iii. Concrete on composite deck floor framing.
      iv. Steel framed balconies with non-composite deck.
   d. Parking Garage Framing:
      i. Concrete Masonry Unit walls at stair and elevator towers.
      ii. Structural steel beams and columns.
      iii. Steel decking composite with concrete.
      iv. Exterior CFS wall framing.
   e. Retail Building Framing:
      i. Structural steel framing.
      ii. Steel decking composite with concrete.
      iii. CMU wall stair framing.
      iv. Exterior CFS wall framing.
   f. Level 2 force resisting system:
      i. Composite deck diaphragm and CMU shearwalls
   g. Level 3 and above:
      i. Lateral force resisting system:
         Plywood diaphragms and wood shear walls with gypsum or plywood sheathing as indicated in shearwall schedule.
2. The following items are Deferred Submittals. Framing intent and additional requirements for these structural components are provided within these drawings*:
   a. Structural steel connections – see general notes section "Structural Steel"
   b. Exterior and miscellaneous CFS wall framing below level 2
   c. Wood roof/floor trusses – see general notes section "Wood Framing and Fastening" / see S001 and S002 for applicable design criteria
   d. All premanufactured canopy and awning framing including connections to the structure.
   e. Handrails at balconies – see S001 "Design Criteria" for applicable loading

   * Reference section "D. Submittal Requirements." Coordinate requirements of these drawings with those of other design consultant drawings and the Project Specifications.
3. The following items are specifically excluded from McClure's design scope as represented on these drawings:
   a. Requirements for fire rating of assemblies or fire protection of structural members
   b. Global stability of soil mass
   c. Any exterior slabs, bollards, curbs, and any enclosures not shown on these drawings
   d. Interior non-load-bearing wood framed walls or furring
   e. Shoring design, formwork design, temporary bracing, and other means and methods items

C. GENERAL NOTES

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

D. SUBMITTAL REQUIREMENTS

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

Submittal Name	Items Required:				
	Product Data	Shop Drawings	Test Records	Engineering Drawings	Engineering Calculations
1. Concrete Mix Designs	X		X		
2. Concrete Break Reports			X		
3. Concrete Reinforcing Layout		X			
4. Concrete Anchor Bolts & Embedded Plates	X	X			
5. Concrete & CMU Anchors (Post-Installed)	X				
6. Post-Installed Anchor Substitutions	X				X
7. Post-Installed Connection Geometry Alteration	X			X	X
8. Structural Steel Framing	X	X			
9. Structural Steel Framing Connections		X			X
10. Steel Floor Deck	X	X			
11. Metal Railings & Connections	X	X			X
12. Metal Ladders & Connections	X	X			X
13. Fall Arrest Systems		X			X
14. Wood Framing Materials	X				
15. Wood Floor & Roof Trusses incl. Reactions				X	X
16. Wood Truss Connections to Supporting Structure				X	X
17. Specialty Wood Fasteners	X				
18. Manufactured Wood Shear Panels	X				
19. Exterior CFS Wall Framing below Podium Level	X	X		X	X
20. Premanufactured Canopies and Awnings	X	X		X	X
21. Masonry Wall Materials	X		X		
22. Masonry Reinforcing		X			

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

E. CONCRETE

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

F. REINFORCING FOR CONCRETE

1. General
   a. All reinforcing steel to be ASTM A615, Grade 60, deformed bars, unless noted otherwise.
      i. Any reinforcing to be welded shall be ASTM A706 and welded with E80 electrodes.
      ii. Alternatively, ASTM A615 reinforcing may be welded with E90 electrodes and proper preheat according to AWS D1.4.
      iii. E70 electrodes are not permitted for welding rebar.
   b. Welded wire fabric shall be ASTM A185. Welded wire fabric shall be in flat sheets.
   c. All reinforcing bars to be detailed and placed in accordance with the ACI "Manual of Standard Practice for Detailing Reinforced Concrete Structures" specifications.
   d. All reinforcing, including dowels, shall be securely tied and cast with the lower member. Placing reinforcing after concrete has been placed will not be permitted.
   e. Field bending of reinforcing partially embedded in concrete will not be allowed unless specifically noted on the drawings or approved by the Structural Engineer.
   f. All reinforcing bars shall be contact lap spliced or doweled as follows, unless noted otherwise:

Tension Development and Splice Lengths for f'c = 5,000psi

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

Tension Development and Splice Lengths for f'_c = 4,000psi

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

1. Straight development and Class "B" splice lengths shown in above tables are based on uncoated bars assuming center-to-center bar spacing ≥ 3*d_b without ties or stirrups or ≥ 2*d_b with ties or stirrups, and bar clear cover ≥ 1.0*d_b Normal weight concrete as well as no transverse reinforcing are both assumed.
2. Standard 90 deg. hook embedment lengths are based on bar side cover ≥ 2.5" and bar end cover ≥ 2" without ties around hook.
3. For special seismic considerations, refer to ACI 318 Code Chapter 21.
4. All tension splices shall be Class "B" splices unless noted otherwise on plans.

   g. All welded wire fabric shall be lapped 12" or 48 wire diameters, whichever is greater.
   h. Provide (2) #5 x 6'-0" diagonals at all corners of openings and re-entrant corners, unless noted otherwise.
   i. Dowels between foundation and walls shall be the same grade, size, and spacing as the vertical wall reinforcing, unless noted otherwise.
   j. Provide corner bars to match longitudinal reinforcing in all footings. Provide (2) corner bars at tee intersections.
   k. Provide 500 pounds of miscellaneous straight bar reinforcing (#4 & #5) to be used in field for special conditions. Labor for placing same to be included.
2. Slabs and Slabs-on-Grade
   a. All slabs on grade to be reinforced with 6x6 – W2.9xW2.9 welded wire fabric, unless noted otherwise.

G. FOUNDATIONS

1. Soil Properties
   a. Foundation design is based on the following to be considered part of the construction documents:
      i) Geotechnical Report prepared by Olsson, dated Oct. 4, 2023.
      ii) Signed and Sealed Letter from Own Inc. dated July 15, 2024 regarding use of Rammed Aggregate Piers as a foundation option.
      iii) Signed Letter from Ground Improvement Engineering by Vaughn Rupnow, PE, dated May 31, 2024 confirming Rammed Aggregate Piers as a viable foundation option with **allowable subgrade bearing pressure of 6,000 psf**.
   b. It is the Owner's decision to proceed with Rammed Aggregate Piers.
2. A geotechnical representative shall be retained on site for all construction activity to verify that all proper requirements have been met to meet the design requirements outlined in the geotechnical report. Representative shall be someone familiar with all documents of the geotechnical investigation provided for the project.
3. The Contractor shall provide dewatering of excavations from surface water and ground water. Do not place concrete if water is present at base of excavation.
4. Footings
   a. All footings shall bear on suitable subgrade prepared in accordance with the geotechnical report. The underlying soils and the structural fill shall have a minimum safe load bearing capacity of 2,500 psf.
   b. Remove all existing topsoil, pavement, organic materials, and other soil that appears to be unsuitable prior to preparing the footing subgrade.
   c. If any adverse soil conditions are encountered which extend below footing level such as those listed above, the general contractor shall contact the geotechnical engineer immediately for determination of how to remedy the condition before continuation of work.
   d. No footings shall be placed in water or on frozen ground. All exterior construction shall be carried down to minimum 3'-0" below finished adjacent exterior grade.
5. Slab on Grade
   a. Slabs shall be constructed as shown on the plans.
   b. Slabs-on-grade shall be placed on subgrade prepared in accordance with the requirements of the geotechnical report and the details in these construction documents.
   c. A 10mil minimum vapor retarder shall be installed under all slabs on grade in occupied or conditioned spaces per the drawings. See the geotechnical report for additional information regarding the installation of the vapor retarder.
   d. Slab on grade shall be founded on 6" deep ¾" clean aggregate base.
   e. The upper 24" of subgrade extending 5' beyond the footprint of the building shall consist of low volume change material such as rollstone or wastelime. Granular fill shall be compacted to a minimum of 95% of the ASTM D698 maximum dry Standard Proctor density. The 6" aggregate base shall be included in the 24" depth required for the low volume change layer.
   f. Provide joints at 30 x slab thickness (+/-) in both directions and located to conform to bay spacing wherever possible (at column centerlines, half bays, third bays, etc.). Submit control joint layout for approval by the Structural Engineer.
   g. Saw cut control joints shall be done late enough to prevent raveling of the cut edges and early enough to prevent racking of the slab ahead of the saw blade.
   h. Plumbing and utilities passing through the slab on grade shall be constructed with flexible fittings to allow for slab movement. The expected slab movement for the parking slab shall be considered up to 2" minimum for fittings.
   i. Concrete slab to be cured according to ACI Standards. Concrete slab cure to be compatible with any sealer, grout, or adhesive that may be used in the floor later.
   j. Locally slope floor towards any floor drains. See architectural and plumbing drawings for drain locations.
6. Geotechnical Testing Agency Requirements
   a. If the geotechnical representative on site takes exception to anything in the Geotechnical Report and requires additional field investigation to clarify those exceptions, the cost of such investigation shall be included in the additional fee for field quality control and testing and identified as such. All other exceptions shall be documented and approved by the geotechnical engineer.
   b. The geotechnical representative must have read all documents pertaining to the geotechnical report for the project and have understood and accepted the criteria contained in the report.
   c. The geotechnical representative must understand and be able to make decisions affecting the work for field observations and conditions described in the report during construction. The representative must be capable of advising the owner or contractor for procedures regarding, but not limited to, sub-grade preparation, dewatering activities, and other construction considerations.
7. See notes on sheets and details for additional information.

H. POST-INSTALLED ANCHORS TO CONCRETE AND MASONRY

1. Post installed anchors shall be expansion, adhesive, or screw anchors as indicated in the details, unless noted otherwise. Only use the anchor type indicated. All anchors on the project of each type must be by the same manufacturer, see below for substitution requirements.
   a. Expansion anchors:
      i. Concrete:
         Hilti Kwik Bolt TZ (ICC-ES ESR1917).
         Simpson Strong-Bolt 2 (ICC-ES ESR3037).
         DeWalt Power-Stud+ SD2 (ICC-ES ESR2502).
      ii. Grout-filled Concrete Masonry:
         Hilti Kwik Bolt 3 (ICC-ES ESR1385).
         Simpson Strong-Bolt 2 (UES ER0240)
         DeWalt Power-Stud+ SD1 (ICC-ES ESR2966).
   b. Adhesive anchors (threaded rods shall be ASTM A193 B7 for all anchors):
      i. Concrete:
         Hilti HIT RE 500-SD (ICC-ES ESR2322) or Hilti HIT-HY 200 (ICC-ES ESR3187).
         Simpson AT-XP (UES ER263), SET-XP (ICC-ES ESR2508) or ET-HP (ICC-ES ESR3372)
         DeWalt Pure 110+ (ICC-ES ESR3298), PE1000+ (ICC-ES ESR2583), Pure 50+ (ICC-ES ESR3576), AC 200+ (ICC-ES ESR4027), or AC100+ Gold (ICC-ES ESR2582)
      ii. Solid grouted concrete masonry:
         Hilti HIT-HY 70 anchor adhesive (ICC-ES ESR3342).
         Simpson AT-XP (UES ER0281), SET-XP (UES ER0265) or ET-HP (UES ER0241)
         DeWalt AC100+ Gold (ICC-ES ESR3200)
      iii. Hollow concrete or multi-wythe clay masonry:
         Hilti HIT-HY 70 with screen tubes (ICC-ES ESR3342).
         Simpson SET-XP (UES ER0265)
         DeWalt AC100+ Gold with screen tubes (ICC-ES ESR3200)
   c. Screw anchors:
      i. Concrete:
         Hilti Kwik HUS EZ (ICC-ES ESR3027)
         Simpson Titen HD (ICC-ES ESR2713)
         DeWalt Screw-Bolt+ (ICC-ES ESR2526)
      ii. Grout-filled concrete masonry:
         Hilti Kwik HUS EZ (ICC-ES ESR3056)
         Simpson Titen HD (ICC-ES ESR1056)
         DeWalt Screw-Bolt+ (ICC-ES ESR1678)
2. Post-installed anchors shall only be used where specified in the drawings. The Contractor shall obtain approval from the engineer prior to using post-installed anchors for missing or misplaced cast-in-place anchors.
3. All personnel installing anchors shall be trained and certified by the anchoring system manufacturer or by ACI. Contractor shall submit current certifications for all personnel. ACI certification required for all personnel installing adhesive anchors in a horizontal or overhead conditions. If a failure occurs at any time during testing or construction, personnel shall be retrained and recertified.
4. Installation:
   a. Do not cut existing reinforcing.
   b. The hole through the supported steel member shall be 1/16" larger in diameter (1/8" for screw anchors) than the anchor unless noted otherwise. Use plate washers with a standard size hole welded to steel members where oversized holes must be used.
   c. Holes shall be drilled per the manufacturer's written instructions as outlined in the ESR.
   d. Where applicable, installation shall follow cleaning procedure indicated in the ESR. Holes shall be made with a hammer drill. Use of a core drill is not allowed.
5. Special inspection shall be provided for all post installed anchors as required by the building code and/or ICC-ES report. Written special inspection reports shall be submitted to the registered design professional in responsible charge by the special inspector. The reports shall record and report the following as a minimum:
   a. One of every ten anchors installed by each technician in locations listed below shall be randomly tested in direct tension. At least one anchor shall be tested on each day that anchors are installed.
      i. Test anchors in the following locations:
         Shear wall hold down anchors.
         Shear wall sill plate anchors.
         Anchors supporting dead or live loads in tension.
      ii. Test anchor to twice the allowable tension load as provided in the ESR. Test load shall not exceed 80 percent of the yield strength of the anchor (0.8 x A_{se} x f_{ya}).
      iii. Post-installed anchors shall not be tested using a torque wrench.
      iv. If any anchor fails quality control testing, all anchors of the same type shall be randomly tested until (10) consecutive anchors pass. Resume normal frequency after this with approval of the engineer. The failed anchor(s) shall be removed and the affected area patched per engineer's direction. Consult the engineer for anchor replacement instructions. The cost for additional work and testing required due to anchor failure is the responsibility of the installing contractor.
   b. Prior to and during installation of anchors, inspection and report shall include:
      i. Installer shall have reviewed manufacturer's ESR report and written installation procedures and has been certified by the manufacturer or ACI.
      ii. General concrete or CMU block conditions (cracked or un-cracked, wet or dry, grouted or hollow, etc).
      iii. Whether manufacture's written procedures for preparation of hole were followed. Indicate if hole is wet or dry.
      iv. Whether hole was made with a hammer drill
      v. Whether manufacture's written procedures for anchor installation were followed.
      vi. Embedment depth and concrete or block thickness.
      vii. Anchor diameter, length and type.
   c. After installing anchors, inspection and report shall include:
      i. All test locations.
      ii. Anchor size and/or type.
      iii. Applied load, loading procedure, load increments and rate of loading.
      iv. Mode of failure.
      v. Photographs of test equipment and typical failures.
6. Substitution requests for products other than those listed above shall be submitted to the engineer with calculations that are prepared and sealed by a registered structural engineer at least two weeks prior to scheduled installations. Calculations shall demonstrate that the substituted product will achieve an equivalent capacity using the appropriate design procedure required by the building code. Product ICC-ES code reports shall be included with the submittal package.

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/2024	Addendum #1
2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

McCLURE™
2001 W Broadway
Columbia, MO 65203
P 573-814-1568

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

THE VILLAGE AT DISCOVERY - LOT 4

1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
GENERAL NOTES

PROJECT NUMBER: 2023000333

SHEET NUMBER:
S001

J. STRUCTURAL STEEL

1. Materials:
   a. Materials shall conform to the following, unless noted otherwise.

i.	Rolled WF shapes	ASTM A992, Fy = 50ksi
ii.	Plates and angles	ASTM A572-50
iii.	Channels	ASTM A36
iv.	HSS: Rectangular	ASTM A500, Grade C
v.	HSS: Round	ASTM A500, Grade C
vi.	Bolts	ASTM F3125
	1. All bolts shall be Grade A325 or F1852, UNO	
	2. Bolts designated as “A490” shall be Grade A490 or F2280	
vii.	Nuts	ASTM A563 DH or A194
viii.	Washers	ASTM F436
ix.	Anchor Bolts	ASTM F1554 Grade 36, UNO
x.	Threaded Rod	ASTM A36
xi.	Studs	ASTM A108, Type B Nelson headed shear stud connectors or equal.
xii.	Electrodes	Matching weld metal, 70 ksi minimum strength.

   b. Finishes
      i. Prepare all surfaces that will be exposed in accordance with SSPC SP3.
      ii. All exterior steel components exposed to view or weather shall be galvanized in accordance with ASTM A123.
      iii. All exterior welded connections shall be cold galvanized in accordance with ASTM A780.
2. Fabricator:
   a. Steel fabricator shall be AISC Certified.
   b. Structural members shall be detailed, fabricated, and erected in accordance with the latest edition AISC Code of Standard Practice.
   c. Structural steel fabrication and erection drawings must be submitted to the engineer for review and approval prior to fabrication.
   d. Fabricator shall engage a professional engineer registered in the state of the project for the design and detailing of:
      i. Steel connections.
      ii. Temporary bracing.
      iii. Steel deck (for continuity and load transfer).
3. Connections:
   a. The contractor has the option to use bolted or welded connections. Any connections not specifically detailed on the drawings shall be designed by a professional structural engineer licensed in the project state and retained by the fabricator. In general, any connections shown on the drawings are schematic and are intended to show only the relative relationship of the connected members.
   b. Structural design calculations for all beam and bracing connections shall be submitted to the engineer prior to fabrication and should include the following (as a minimum):
      i. All plate dimensions and grades (minimum plate thickness shall be 3/8”).
      ii. All weld sizes, lengths, pitches and returns.
      iii. Number and type of bolts.
   c. Connection design forces:
      i. Beam shear connections shall be designed for the actual reactions indicated on the drawings. Connection forces shown on drawings are envelope reactions based on ASD load combinations.
      ii. Connections indicated on the drawings as moment-resisting shall be designed for the moment shown. If moment is not indicated on the drawings, connection shall be designed to develop the full capacity of the member.
      iii. Columns have not been checked for local effects at connections. Fabricator shall verify if stiffener or web doubler plates are required and provide as necessary. Column size may also be increased with approval of the Structural Engineer.
      iv. Connection loads indicated on the drawings include compensation for Code permitted stress increases and load reductions for connection design.
   d. Bolted Connections:
      i. Minimum bolt diameter shall be 3/4”.
      ii. Slip critical connections shall be used for bracing members, moment-resisting connections, cantilevers, and as indicated on the drawings. Standard oversized and long-slotted holes are permitted for friction-type connections.
      iii. All non-slip-critical connections shall be typical bearing type. Oversized or slotted holes are not permitted unless indicated on the drawings.
      iv. The fabricator is responsible for verifying the tensile capacity of axially loaded members with the presence of bolt holes. Increase member size; add plates (etc) as required.
   e. Welded Connections:
      i. All fillet welds shall be sized according to AISC minimums, but never less than 3/16” (UNO).
      ii. All welds shall be performed in accordance with the latest edition of the AWS Structural Welding Code.
4. Erection:
   a. All structural steel to be fabricated and erected in accordance with latest AISC specifications.
      i. It is the responsibility of the contractor to ensure that structure is maintained in a safe, stable configuration at all times.
      ii. Any shoring required shall be submitted with engineering calculations for approval.
   b. Splicing of steel members not specifically shown on the drawings is prohibited without prior approval from the engineer.
   c. All beams shall be installed with the mill camber up.
5. Steel Lintels:
   a. Loose lintels for King Brick Masonry at all openings shall be the following:

i.	L 3-1/2 x 2-1/2 x 1/2	for spans less than	6'-4"		
ii.	L 5 x 3 x 3/8	for spans between	6'-5"	and	8'-3"
iii.	L 6 x 3-1/2 x 3/8	for spans between	8'-4"	and	10'-0"
iv.	L 7 x 4 x 7/16	for spans between	10'-1"	and	12'-1"

      1. Lintel sizes are based on 27 psf brick weight with 6’-0” max height of brick above the lintel.
   b. Loose lintels for Large Format Masonry at all openings shall be the following:

v.	L 6 x 6 x 3/8	for spans less than	6'-6"		
vi.	L 8 x 6 x 1/2	for spans between	6'-6"	and	9'-3"

      1. Lintel sizes are based on 70 psf masonry weight with 6’-0” max height of brick above the lintel.
   c. Lintels shall bear 8" minimum each end.
   d. Lintels carrying masonry shall be galvanized.
   e. All double angle lintels back-to-back shall be bolted at 32" o.c. maximum spacing, with 5/8" diameter A307 bolts, a minimum of two bolts per span.
   f. See architectural and mechanical drawings for opening sizes and locations.

Schedule of minimum nailing for standard connections[1]

Connection[2, 3]	Number, or spacing, of fasteners required per connection Nail lengths are minimum, nominal lengths, in inches. Nail shank diameters are minimum, nominal diameters, in inches.										
	3 ½ x 0.162	3 x 0.148	3 ¼ x 0.131	3 x 0.131	2 ½ x 0.131	3 ¼ x 0.120	3 x 0.120	2 ⅜ x 0.113	2 x 0.113	2 ¼ x 0.105	2 ¼ x 0.099
Equiv. Common Nail	16d	10d			8d				6d		
Floor Framing											
Joist to band joist	3	5	5	5	N/A	6	6	N/A	N/A	N/A	N/A
Ledger strip	3	4	4	4	6	4	4	N/A	N/A	N/A	N/A
Joist to sill or girder	3	3	3	3	3	4	4	N/A	N/A	N/A	N/A
Blocking between joist or rafter to top plate	3	3	3	4	3	4	4	N/A	N/A	N/A	N/A
Bridging to joist	N/A	N/A	N/A	N/A	2	3	3	3	4	3	4
Rim joist to top plate	8” o.c.	6” o.c.	6” o.c.	6” o.c.	6” o.c.	6” o.c.	4” o.c.	6” o.c.	3” o.c.	3” o.c.	3” o.c.
Built-up Girders & Beams - Spacing along edges,	24” o.c.	24” o.c.	24” o.c.	24” o.c.	16” o.c.	16” o.c.	16” o.c.	N/A	N/A	N/A	N/A
- # at ends & splices	3	3	3	3	4	3	3				
Ceiling and Roof Framing											
Ceiling joists to plate	3	4	5	5	5	5	5	6	N/A	N/A	N/A
Ceiling joists, laps over partitions	3	4	4	4	6	4	4	N/A	N/A	N/A	N/A
Ceiling joist to parallel rafter	3	4	4	4	6	4	4	N/A	N/A	N/A	N/A
Collar tie to rafter	3	3	4	4	5	4	4	N/A	N/A	N/A	N/A
Jack rafter to hip, toe-nailed	3	3	4	4	5	4	4	N/A	N/A	N/A	N/A
Jack rafter to hip, face nailed	2	3	3	3	3	4	4	N/A	N/A	N/A	N/A
Roof rafter to plate	3	3	3	3	3	4	4	5	5	5	6
Roof rafter to 2-by ridge beam (driven through beam into end of ridge)	2	3	3	3		4	4	N/A	N/A	N/A	N/A
Roof rafter to 2-by ridge beam (toe-nail rafter to beam)	2	3	3	3	3	4	4	N/A	N/A	N/A	N/A
Wall Framing											
Top or sole plate to stud (End nailed)	2	3	3	3	5	4	4	N/A	N/A	N/A	N/A
Stud to top or sole plate (toe-nailed)	2	3	3	3	5	4	4	5	5	5	5
Cap/top plate laps and intersections (each side of lap)	2	3	3	3	4	3	3	N/A	N/A	N/A	N/A
Diagonal bracing	2	2	2	2	2	3	3	3	4	4	4
Sole plate to joist or blocking @ braced panels (number per 16” joist space)	2	3	3	4		4	4	N/A	N/A	N/A	N/A
Sole plate to joist or blocking	16” o.c.	8” o.c.	8” o.c.	8” o.c.	6” o.c.	8” o.c.	8” o.c.	N/A	N/A	N/A	N/A
Double top plate	16” o.c.	16” o.c.	12” o.c.	12” o.c.	8” o.c.	12” o.c.	12” o.c.	N/A	N/A	N/A	N/A
Double studs	12” o.c.	12” o.c.	8” o.c.	8” o.c.	6” o.c.	8” o.c.	8” o.c.	N/A	N/A	N/A	N/A
Corner studs	24” o.c.	16” o.c.	16” o.c.	16” o.c.	8” o.c.	12” o.c.	12” o.c.	N/A	N/A	N/A	N/A

N/A – Fastener not applicable to connection

[1] This fastening schedule applies to framing members having an actual thickness of 1 ½“(Nominal “2-by” lumber)

[2] Fastenings listed above may also be used for other connections that are not listed but that have the same configuration and the same code requirement for fastener quantity/spacing and fastener size (pennyweight and style, e.g., 8d common, “8-penny common nail”).

[3] Fastening schedule only applies to buildings of conventional wood frame construction. Connections of shear walls and floor and roof diaphragms shall be as shown on the drawings.

K. WOOD FRAMING AND CONNECTIONS

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

TC DL = 10 psf   TC LL = 20 psf   TC SL = 20 psf   C&C TC WL = +24/-48 psf   MWFRS TC WL = ±17 psf
BC DL = 10 psf   BC LL = N/A   C&C BC WL = ±5 psf   MWCRS BC WL = ±5 psf
End/Parapet C&C WL = +89/-60 psf

Unbalanced Snow Load:
Balanced TC SL = 14psf   Drift Surcharge TC SL = 36 psf   Drift Width = 17’-3”

6. Floor trusses shall be designed for the following loads:

TC DL = 17 psf + 15psf partition dead load   TC LL = 40/100/125 psf
BC DL = 10 psf   BC LL = ±5 psf
(Coordinate LL with Architectural plans and general note section “A. Design Criteria”)

7. The allowable deflection is:
   a. Roof Trusses
      i. Total Load: L/240
      ii. Roof Live or Snow Load: L/360
      iii. Absolute Maximum: 1.5”
   b. Floor Trusses
      i. Total Load: L/360
      ii. Live Load: L/480
      iii. Absolute Maximum: 1”

L. WOOD SHRINKAGE

1. IBC 2304.3.3 requires that architectural, mechanical, electrical, and plumbing systems be designed to accommodate movement due to shrinkage. McClure Engineering Co. takes no responsibility for the naturally occurring shrinking that will occur.
2. Estimated values are based upon the following moisture content:
   a. At installation (MC) = 19%
   b. At equilibrium (EMC) = 8%
3. The following recommendations are intended to minimize the potential issues associated to wood shrinkage. Implementation and liability are ultimately up to the contractor or design professional responsible for the impacted trade.
   a. Mechanical, Electrical, Plumbing
      i. Allow construction gaps in the wood framing to close by delaying installation of MEP as long as possible to allow for additional dead load to be installed.
      ii. Provide oversized or long slotted holes at pipe penetrations. Holes must be within conformance of typical penetration details.
      iii. Rigid connections shall be adjusted before completion of construction of closing of wall and ceiling assemblies.
      iv. All vertical sheet metal down spouts shall have intermediate slip joints.
      v. Roof Drains shall utilize adjustable fittings. Fittings must be adjusted at the completion of construction and then as required to maintain proper drainage.
   b. Architectural Considerations
      i. Stucco, EIFS and brittle finishes shall have horizontal expansion joints, slip joints with appropriate waterproofing.
      ii. Brick and stone finishes shall have ties that accommodate differential movement.
      iii. Provide adjustable thresholds or transitions at rigid transitions such as CMU or concrete stair and elevator shafts.
   c. Construction tolerance
      i. Limit shortening due to nesting by cutting all studs level square and tight against plates.
      ii. Structural wood panels shall have ½” relief gaps at each floor to limit bulging.
      iii. Floor sheathing shall have 1/8” gaps on all sides during installation to accommodate movement.
      iv. Shear wall hold downs shall be check and retightened immediately prior to sheathing walls.
      v. Delay gyp topping around concrete and CMU stair or elevator shafts until competition of construction.
   d. Material storage
      i. Stored materials shall be covered and elevation from the elements.
      ii. Do not allow water to pond on floor sheathing. Provide drain holes if required to allow water to quickly drain if water does temporarily pond.
   e. Post occupancy
      i. McClure recommends a review of roof drains every 3 months for the first 24 months of occupancy and then annually. Adjust drains as required to maintain watertight integrity.
      ii. McClure recommends review of joints at exterior doors, windows and finish transitions. Waterproof as needed where original joints fail per the architect’s recommendations.
      iii. Remedial self-leveling work may be required around concrete or CMU stair and elevator towers to accommodate shrinkage.

M. STEEL FLOOR AND ROOF DECK

1. General:
   a. Install steel deck according to procedures outlined in the latest edition of the “SDI Manual of Construction with Steel Deck” published by the Steel Deck Institute. One copy shall be maintained on site.
   b. All steel roof deck shall be welded to supporting beams and joists and erected in accordance with manufacturer’s latest recommendations.
   c. Deck shall be continuous over 3 spans, unless noted otherwise.
   d. Parallel edges of deck to be fastened with the same fastener type and spacing as at supporting members. Fasten to all parallel supports – both at edges and in the field of the deck. Raise steel supports or provide shims at weld points if the deck valley does not engage the support.
   e. Provide welding washers as required by manufacturer’s recommendations.
   f. All miscellaneous accessories -- pour stops, column closures, etc. -- will be installed in accordance with manufacturer recommendations and the Steel Deck Institute.
   g. Pour stops shall be A36 steel angles (1/4”) to finish floor height unless otherwise noted.
   h. The use of any equipment weighing over 150 pounds for installation or finishing of concrete or roofing is prohibited without prior approval from the Engineer. Request MUST be made prior to submittal of shop drawings for deck and supporting structure to be considered.
   i. Concrete placed on steel deck shall have a constant thickness. Thickness shall be maintained by probing the deck at supports and at mid-span between supports. It is not permissible to finish the deck to be flat unless a design is submitted demonstrating that the deck and supporting structure can support the additional concrete weight.
2. Floor Deck:
   a. Floor deck properties shall be as follows based on deck type indicated on plans:
      i. Main Floor Slab: 5 1/2” Total Depth Lightweight Concrete with 3” Composite Deck
         a. Reinforcing: 6x6-W1.4xW1.4 Welded Wire Mesh
         b. Deck: 3” Composite 20 Ga:
            $t_{min} = 0.0358”$, $I_p = 0.919\ in^4/ft$ $I_n = 0.6921\ in^4/ft$, $S_p = 0.512\ in^3/ft$, $S_n = 0.539\ in^3/ft$, $F_y = 50ksi$,
         c. Maximum Unshored Spans: Single Span = 12’-2”, Double Span = 13’-1”, Triple Span = 13’-7”
      ii. Balcony Structural Slab: 2 1/2” Total Depth Lightweight Concrete With 9/16” form deck
         a. Reinforcing: 6x6-W1.4xW.14 Welded Wire Mesh
         b. Deck: 9/16” non-composite 28 Ga.:
            t_{min} = .0149”, I_p=0.012 in^4/ft I_n=0.012 in^4/ft, S_p=0.035 in^3/ft, S_n=0.036 in^3/ft, F_y=60 ksi,
   b. Composite deck to be fastened to supports with Hilti X-ENP-19-L15 PAFs.
      i. Typical Fastening:
         (1) PAF per rib
         PAFs 36” at o.c. along panel edges
         #10 screw sidelap fasteners at 36” o.c.
      ii. Fastening within 30 ft of cmu walls:
         (2) PAFs per rib + (1) PAF every other rib
         PAFs at 4” o.c. along panel edges
         Sidelap fasteners at 4” o.c.
   c. Non-composite floor deck shall be fastened to supports with X-ENP-19-L15 PAFs with 30/4 pattern, with 0 sidelap fasteners.
   d. Metal floor deck shall be galvanized in accordance with the requirements of ASTM A653-94 G90.

N. CONCRETE MASONRY

1. All construction shall comply with applicable provisions of the following latest ACI standards:
   a. ACI 530/ASCE 52/TMS 402 – Building Code Requirements for Masonry Structures.
   b. ACI 530.1/ASCE 6/TMS 602– Specifications for Masonry Structures.
   c. IBC Chapter 21 Masonry
2. Concrete block units shall conform to the requirements for Grade N Type 1, load-bearing normal-weight units per ASTM C-90. Use Grade S blocks below grade. All below grade block shall be solid grouted.
3. Net area compressive strength of masonry, f'_m = 2,000 psi.
4. Standard units shall have nominal face dimensions of 16 x 8 inches high. The minimum compressive strength of the masonry units shall be as follows:

Net Area Compressive Strength Of Masonry (f'_m psi)	Net Area Compressive Strength Of Concrete Masonry Units (psi)	
	Type M or S mortar	Type N mortar
2,000	2000	2650

5. Mortar for unit masonry shall be proportioned per ASTM C270. The minimum mortar compressive strength is as follows:
   a. Type S: 1,800 psi
   b. Type M: 2,500 psi
6. Grout for unit masonry shall be proportioned per ASTM C476. The minimum grout compressive strength is the larger of 2,000 psi or f'_m.
7. Maximum coarse aggregate size is 3/8”.
8. Reinforce all CMU walls with vertical rebar full height, centered in cell as shown on the drawings. Grout reinforced cells solid.
   a. When reinforcing is not specified, provide #5 @ 48” o.c., minimum.
9. All vertical cells to be filled shall have vertical alignment to maintain an unobstructed cell area not less than 2 in. x 3 in.
10. All bond beams shall be grouted solid and reinforced.
    a. Provide bent dowels at all wall intersections – one per bond beam at corners, and two at tee intersections.
11. Provide bond beams at all walls supporting roof and floor slabs.
12. Grout solid under all beams and lintels for full height of wall.
13. All masonry walls shall have ladder type horizontal joint reinforcement with two 9 gage wires spaced at 16” o.c. vertically, unless noted otherwise.
    a. All wall intersections shall be reinforced with prefabricated tee or corner units.
14. Use low lift method of grouting. Maximum grout lift = 5’-0”. Alternative methods of grouting may be acceptable. Submit method for approval two weeks in advance.
15. Masonry reinforcing lap lengths shall be as follows:

Bar Size	Masonry Strength, f'_m (psi) 2,000
#3	12"
#4	17"
#5	27"
#6	51"
#7	69"
#8	105"
#9	132"

Notes:
1. Development length is based on 2½” masonry cover for all bars. Use bar spacers to maintain cover.

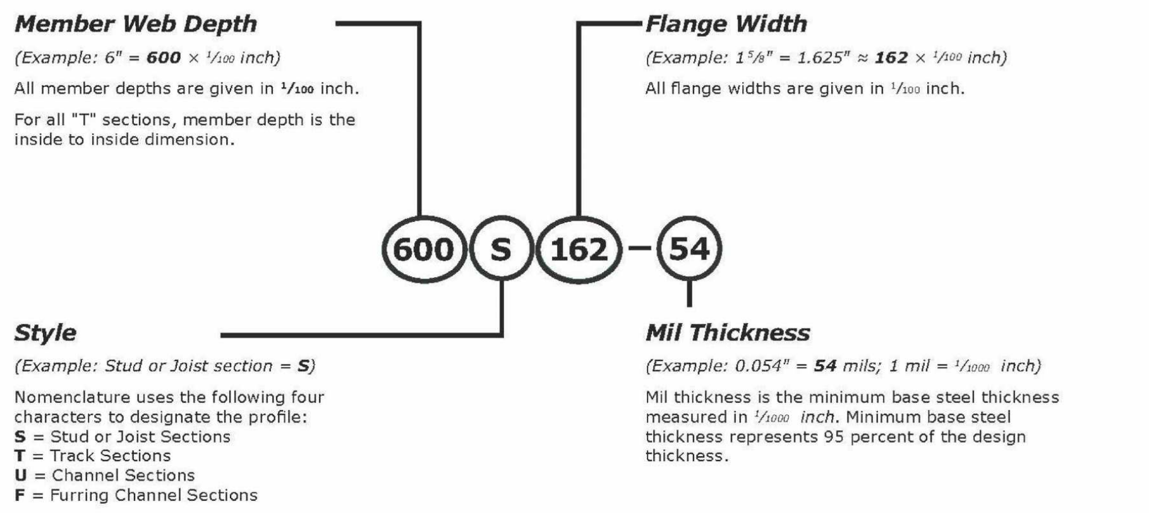
16. Brace all masonry walls until floor and roof framing and metal deck are installed.
    a. Design and installation of bracing is the responsibility of the masonry contractor.
    b. Submit bracing plan for review.
17. When grouting is stopped for more than one hour, horizontal construction joints shall be formed by stopping the pour of grout 1-1/2” below the top of the uppermost course.
18. Provide control joints in wall every 40 ft. Provide vertical reinforcing in first cell each side of control joint. Do not locate control joint within 2’-0” of end or opening.
19. Conduit pipes and sleeves in masonry shall not displace more than 2 percent of the net cross-sectional area and shall be placed no closer than 3 diameters or widths on center.
20. The Contractor shall include in his bid an allowance of 300 lbs of reinforcing steel “in place” to be used in the field as the architect or structural engineer may direct.

O. COLD FORMED STRUCTURAL STUD FRAMING

1. Any dimensional information shown is included for engineering purposes only. It is the responsibility of the contractor to verify building dimensions with the A/E and MEP drawings and to comply with all other requirements of the Contract Documents.
2. All materials shall have 33 ksi minimum yield strength, except studs and track of 16 gauge or heavier shall have a minimum yield strength of 50 ksi.
3. All material properties, fabrication, and erection shall be in accordance the latest edition of the AISI “Specifications for the Design of Cold-Formed Structural Members.”
4. Any proprietary connectors shown have been selected based on specifications and capacities published by the manufacturer. Weld design values have been based on the latest edition of the AISI “Specifications for the Design of Cold-Formed Structural Members.” Any deviance from the brand, type, size or quantity of connectors indicated on these drawings must be approved by the engineer prior to construction.
5. All framing components shall be cut squarely or at an angle to fit squarely against abutting members. Splicing of axially loaded members shall not be permitted. Members shall be held firmly in place until properly fastened. Attachments of similar components shall be by welding, screw attachment, or bolting. Wire tying of components is not permitted.
6. All field cutting of members shall be done by sawing, drilling, or shearing. Torching is not permitted.
7. Special anchorage requirements required for wind and seismic bracing shall be as shown on the plans.
8. Members shall not be spliced other than at the locations indicated on the drawings. All splices shall conform to the details in the drawings.
9. The Contractor shall verify sizes and locations of structural components where members attach.
10. All load bearing joists shall have blocking with a maximum spacing of 8’-0” on center, attached per details.
11. CFS wall studs have been designed to support floor/roof load tributary to them. Masonry veneer is assumed to be self-supported and transferred to the foundation/podium. CFS framing has been designed to laterally support veneer where applicable.
12. No notching or coping of any framing member is allowed, unless stated within this drawing package.
13. Per AISI standard for cold-formed framing- wall design, the maximum allowable gap (measured between the web of the stud and of the track) for a stud seated in a track is 1/4" for non-axial load bearing conditions and 1/8" for axial load bearing conditions (U.N.O.) Pressure should be applied to nest the studs into the tracks until the tolerances listed above are achieved. Failure to do so could result in serviceability problems in the future.
14. CFS wall studs have been designed to support floor/roof load tributary to them. Masonry veneer is assumed to be self-supported and transferred to the foundation/podium. CFS framing has been designed to laterally support veneer where applicable.
15. Product Identification:
    a. The designations of the Steel Stud Manufacturer Association are used in this package. Any Manufacturer whose product geometry meets or exceeds SSMA standards is acceptable. See below for SSMA nomenclature.
    b. The Last Two Numbers Indicate the Steel Thickness:

Gage	Design	Minimum	SSMA
20	0.0346"	0.0329"	33 mils
18	0.0451"	0.0428"	43 mils
16	0.0566"	0.0538"	54 mils
14	0.0713"	0.0677"	68 mils
13	0.0840”	0.0798”	84 mils
12	0.1017"	0.0966"	97 mils

Nomenclature Example


Member Web Depth
(Example: 6" = 600 × 1/100 inch)
All member depths are given in 1/100 inch.
For all "T" sections, member depth is the inside to inside dimension.
Flange Width
(Example: 1 5/8" = 1.625" ≈ 162 × 1/100 inch)
All flange widths are given in 1/100 inch.
600
S
162
54
Style
(Example: Stud or Joist section = S)
Nomenclature uses the following four characters to designate the profile:
S = Stud or Joist Sections
T = Track Sections
U = Channel Sections
F = Furring Channel Sections
Mil Thickness
(Example: 0.054" = 54 mils; 1 mil = 1/1000 inch)
Mil thickness is the minimum base steel thickness measured in 1/1000 inch. Minimum base steel thickness represents 95 percent of the design thickness.

O.1. COLD FORMED CONNECTIONS

1. All fasteners are to be installed per the manufacturer's recommendations. Do not substitute fasteners without written permission from Engineer.
2. PAF point must penetrate through full base steel thickness. Notify PAF manufacturer for instructions where full penetration is not achieved.
3. If required, all welded connections are to be performed in accordance with the latest version of AWS D1.3 Structural Welding Code – Sheet Steel. Consult AWS D19.0 Welding Zinc Coated Steel & ANSI Standard Z49.1 for information regarding safe welding procedures.
4. Minimum weld throat thickness (t) must match or exceed the base steel thickness of the thinnest connected part unless noted otherwise.
5. In welding, the zinc coating on steel framing will be burned away; therefore, a zinc rich paint must be applied to the weld area to provide corrosion resistance.
6. All screw connections are based on AISI S100 Section J4, which outlines the AISI Specification provisions for screw connections. Screw penetration through joined materials shall not be less than three exposed threads.
7. For screws, a minimum of 1.5 x screw diameter clearance must be maintained from all edges of the steel members. A minimum of 3.0 x screw diameter on-center spacing must be maintained between adjacent screws.
8. Power driven fastener systems, expansion anchor systems, masonry screw systems, & adhesive anchor systems connections are based on literature for fastener requirements (e.g. spacing, edge distance, base material thickness, etc.) Alternate manufacturer's fasteners of equivalent specifications & load capacities are acceptable.
9. All Tracks shall be fastened to each stud with #8 screws at each flange (min.).

P. POWER-ACTUATED FASTENERS (PAFS)

1. This section applies to all driven pin installation methods (e.g. powder, pneumatic, electric), regardless of terminology employed.
2. All PAFs shall be of the brand, size, and quantity indicated in the sections or details.
3. All PAFs shall be Hilti 0.157”Ø X-U, U.N.O
4. PAF length is dependent on installation penetration requirement in base material:
   a. For concrete: PAFs shall have an embedment of 1-1/2”.
   b. For steel, the required penetration is dependent on the thickness of the steel substrate. The contractor shall select a PAF that satisfies the following requirements:
      i. For steel 1/2"thickness or less, PAFs must penetrate through the full base steel thickness.
      ii. For steel thickness greater than 1/2", PAFs must penetrate the steel to a depth of at least 1/2" and the head of the PAF shall be flush with the surface.
   c. For concrete masonry units (CMU): The PAF must penetrate 1” into the substrate.
   d. The contractor must consider the thickness of the component attached to the substrate material to ensure adequate penetration or embedment. A PAF that is equal in length to the specified penetration or embedment is inadequate to comply with this requirement.
5. Refer to PAF spacing and edge distance general details for minimum spacing and edge distance requirements in all base materials.
6. Notify the manufacturer for instructions if PAFs are not driven flush to surface.
7. Do not re-drive PAFs if they do not drive completely on the first charge. Remove and replace the PAF in question or contact the manufacturer for specific alternative instructions.
8. PAFs shall not be installed into concrete until the concrete has achieved the minimum compressive strength listed in the concrete requirements of the structural general notes.
9. PAFs shall not be driven into steel that is 3/16” thick or less. Notify McClure for alternate connection options.
10. PAFs driven into existing concrete may cause damage. The contractor is responsible for ensuring anchors do not damage existing structure. Notify McClure if alternate anchorage requirements are needed to protect existing concrete.
11. PAFs have limited use in seismic applications. Additional anchorage may be required as indicated in the details. Deferred submittals shall fully consider the most restrictive implications of ASCE 7 Section 13.1.4. and the manufacturer’s product ESR for use of PAFs to resist seismic loads.
12. PAF installers must be certified by the manufacturer of the PAFs being installed.
13. PAFs shall not be substituted without the written approval of McClure prior to fabrication. Requests after installation may incur additional charges for evaluation.

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/2024	Addendum #1
2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

McCLURE™
2001 W Broadway
Columbia, MO 65203
P 573-814-1568

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

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

THE VILLAGE AT DISCOVERY - LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
GENERAL NOTES

PROJECT NUMBER: 2023000333

SHEET NUMBER:
S002

STATEMENT OF SPECIAL INSPECTIONS

Project Name: Discovery Park Lee's Summit Lot 4   Address: 1921 NE Discovery Ave, Lee's Summit, MO 64064

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

2. The Special Inspector shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

3. Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

4. A Final Report of Special Inspections documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

5. Job site safety and means and methods of construction are solely the responsibility of the Contractor. This Statement of Special Inspections includes the following building systems:

x Fabricators
x Cast-In-Place Foundations Elements
o Helical Pile Foundations
x Concrete Construction
x Masonry Construction - Level 2-3
o Steel Construction Other than Structural Steel
x Seismic Resistance
x Soils
x Rammed Aggregate Piers
o Cast-In-Place Deep Foundation Elements
x Masonry Construction - Level 1
x Structural Steel Construction
x Wood Construction
x Wind Resistance

6. The following components are wind-resisting components or part of the main wind-force resisting system and are subject to special inspections in accordance with the Special Inspection Schedule - Wind Resistance:

Wood Shear Walls with Structural Plywood or Gypsum Board Sheathing
Masonry Walls

7. The following components are designated seismic systems or part of the seismic-force resisting system that are subject to special inspections in accordance with the Special Inspection Schedule - Seismic Resistance:

Wood Shear Walls with Structural Plywood or Gypsum Board Sheathing
Masonry Walls

Special Inspection Schedule: Fabricators

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

Special Inspection Schedule: Soils

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

Special Inspection Schedule: Cast-In-Place Foundation Elements

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

Special Inspection Schedule: Rammed Aggregate Piers

Verification And Inspection Task	Applicable To This Project?	Frequency	
		Continuous	Periodic
1. Observed installation operations and maintain complete and accurate records for each element.	X	X	-
2. Verify placement locations, pre-auger diameter and soil conditions encountered during drilling (if applicable), pier lengths, and planned and actual...	X	X	-
3. Document average lift thickness of each pier, volume of aggregate used in each pier, and any unusual conditions encountered including cave-in...	X	X	-
4. Perform modulus test, bottom stabilization test for Geopier replacement elements, and crowd stabilization test for Geopier replacement elements.	X	X	-

Special Inspection Schedule: Concrete Construction

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

Special Inspection Schedule: Masonry Construction - Level 1

Verification And Inspection Task	Applicable To This Project?	Frequency	
		Continuous	Periodic
1. Compliance with required inspection provisions of the Construction Documen...	X	-	X
2. Verify f'm and f'aac prior to construction except where specifically exempted ...	X	-	X
3. Verify slump flow and VSI as delivered to the site for self-consolidating grout.	X	X	-
4. As masonry construction begins, the following shall be verified to ensure...			
a. Proportions of site-prepared mortar.	X	-	X
b. Construction of mortar joints.	X	-	X
c. Location of reinforcement, connectors, prestressing tendons, and...	X	-	X
d. Prestressing technique.	-	-	X
e. Grade and size of prestressing tendons and anchorages.	-	-	X
5. During construction, the inspection program shall verify:			
a. Size and location of structural elements.	X	-	X
b. Type, size, and location of anchors, including other details of anchorage o...	X	-	X
c. Specified size, grade, and type of reinforcement, anchor bolts, prestressin...	X	-	X
d. Welding of reinforcing bars.	-	X	-
e. Preparation, construction, and protection of masonry during cold weather...	X	-	X
f. Application and measurement of prestressing force.	-	X	-
6. Prior to grouting, the following shall be verified to ensure compliance:			
a. Grout space is clean.	X	-	X
b. Placement of reinforcement, connectors, prestressing tendons, and...	X	-	X
c. Proportions of site-prepared grout and prestressing grout for bonded...	X	-	X
d. Construction of mortar joints.	X	-	X
7. Grout placement shall be verified to ensure compliance with Building Code a...			
a. Grouting of prestressing bonded tendons.	-	X	-
8. Preparation of any required grout specimens, mortar specimens, and/or prisms shall be observed.	X	-	X

Special Inspection Schedule: Structural Steel Construction

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

Special Inspection Schedule: Wood Construction

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

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

THE VILLAGE AT DISCOVERY - LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
STRUCTURAL SPECIAL INSPECTIONS SCHEDULES

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S003

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WOOD SHEAR WALL SCHEDULE

Mark	Level	Sheathing/ Fastener Layout	Post	Hold-Down	Min. Sill/Top Plate	Base Connection
SWA	Level 3	(1) Sided, Wood Structural Panels - Sheathing - 15/32" Thick, 10d Nail, 6" Edge fastening Unblocked	(2) 2x6	MST48 w/ (26) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 8" o.c.
	Level 2	(1) Sided, Wood Structural Panels - Sheathing - 15/32" Thick, 10d Nail, 6" Edge fastening	(2) 2x6	HTT4 w/ (18) 0.148Øx1-1/2" & 5/8"Ø Anchor Rod	(1) 2x6	3/8''Ø Kwik HUS EZ w/ 1-7/8'' embed @ 16'' o.c.
SWB	Level 3	(1) Sided, Wood Structural Panels - Sheathing - 15/32" Thick, 10d Nail, 6" Edge fastening	(3) 2x4 or (3) 2x6	MST48 w/ (34) 0.162x2-1/2" nails	(1) 2x6	(2) 10d Nails @ 8" o.c.
	Level 2	(1) Sided, Wood Structural Panels - Sheathing - 15/32" Thick, 10d Nail, 6" Edge fastening	(3) 2x4 or (3) 2x6	HDQ8-SDS3 w/ (20) 1/4"Øx3" SDS screws & 7/8"Ø Anchor Rod	(1) 2x6	3/8''Ø Kwik HUS EZ w/ 1-7/8'' embed @ 12'' o.c.
SWC	Level 3	(1) Sided, Gypsum Wallboard - 5/8" Thick, 6d Nail, 7" Edge Fastening, 16"O.C. Blocked	(3) 2x4	LSTA15 w/ (12) 0.148"x2-1/2" nails	(1) 2x4	(1) 10d Nail @ 12" o.c.
	Level 2	(1) Sided, Gypsum Wallboard - 5/8" Thick, 6d Nail, 4" Edge Fastening, 16"O.C. Blocked	(3) 2x4	DTT2Z w/ (8) 1/4"Øx1-1/2" SDS screws & 1/2"Ø Anchor Rod	(1) 2x4	3/8''Ø Kwik HUS EZ w/ 1-7/8'' embed @ 48'' o.c.
SWD	Level 3	(2) Sided, Gypsum Wallboard - 5/8" Thick, 6d Nail, 7" Edge Fastening, 16"O.C. Blocked	(2) 2x4 or (2) 2x6	MSTA 49 w/ (26) 0.148X2-1/2" nails	(1) 2x4	(2) 10d Nails @ 16" o.c.
	Level 2	(2) Sided, Gypsum Wallboard - 5/8" Thick, 6d Nail, 7" Edge Fastening, 16"O.C. Blocked	(3) 2x4 or (3) 2x6	DTT2Z w/ (8) 1/4"Øx1-1/2" SDS screws & 1/2"Ø Anchor Rod	(1) 2x4	3/8''Ø Kwik HUS EZ w/ 1-7/8'' embed @ 24'' o.c.

Notes:
1. See S530 for typical shear wall framing
2. All hold down anchors to be welded to embeds or beams as detailed.
3. All threaded rods shall be F1554 GR105
4. Floor to floor strap ties at top of wall shall match that of the floor above.
5. All hold downs and strap ties are Simpson Strong-Tie brand, U.N.O.
6. Bottom sill plate connections shall have a 3"x3"x1/4" steel plate washer at each anchor bolt on shear walls only.
7. All drag trusses shall be connected to shear walls per detail 4/S530.
8. Provide floor to floor strapping on the same side as the OSB sheathing.
9. Field fastening for all sheathing to be 12" O.C. U.N.O
10. All shear walls to be blocked at all pael joints unless noted "Unblocked."
11. Criteria for double wall shear wall to apply to both walls. For example shear wall "D" requires both walls to be sheathed on both sides with gypsum wall board.

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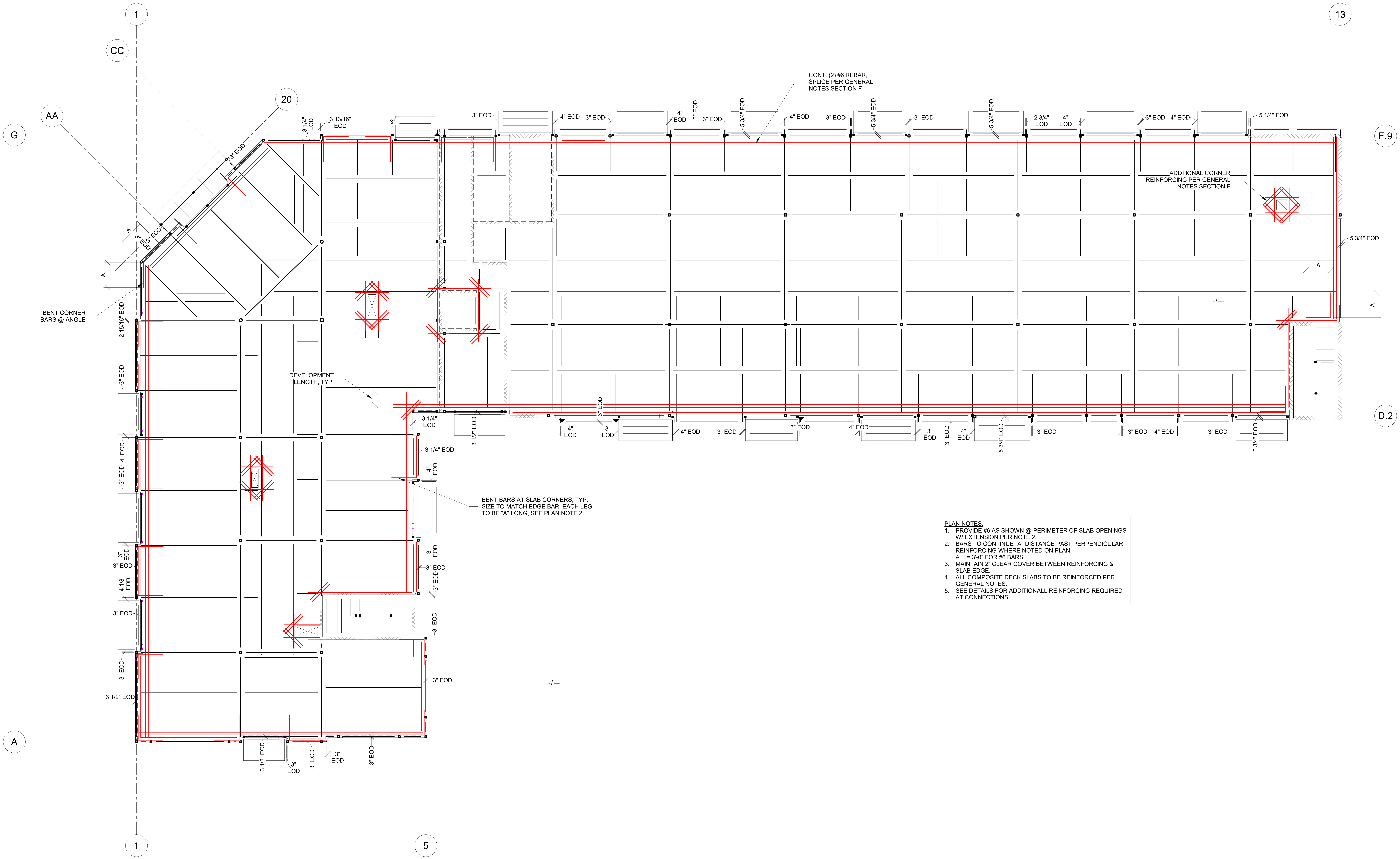
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
SCHEDULES

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S004



PLAN NOTES:
1. PROVIDE #6 AS SHOWN @ PERIMETER OF SLAB OPENINGS W/ EXTENSION PER NOTE 2.
2. BARS TO CONTINUE "A" DISTANCE PAST PERPENDICULAR REINFORCING WHERE NOTED ON PLAN
   A. = 3'-0" FOR #6 BARS
3. MAINTAIN 2" CLEAR COVER BETWEEN REINFORCING & SLAB EDGE.
4. ALL COMPOSITE DECK SLABS TO BE REINFORCED PER GENERAL NOTES.
5. SEE DETAILS FOR ADDITIONALL REINFORCING REQUIRED AT CONNECTIONS.

1 | S005 LEVEL 2 - REINFORCING PLAN
3/32" = 1'-0"

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SHEET TITLE
LEVEL 2 REINFORCING PLAN

PROJECT NUMBER: 2023000333

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S005

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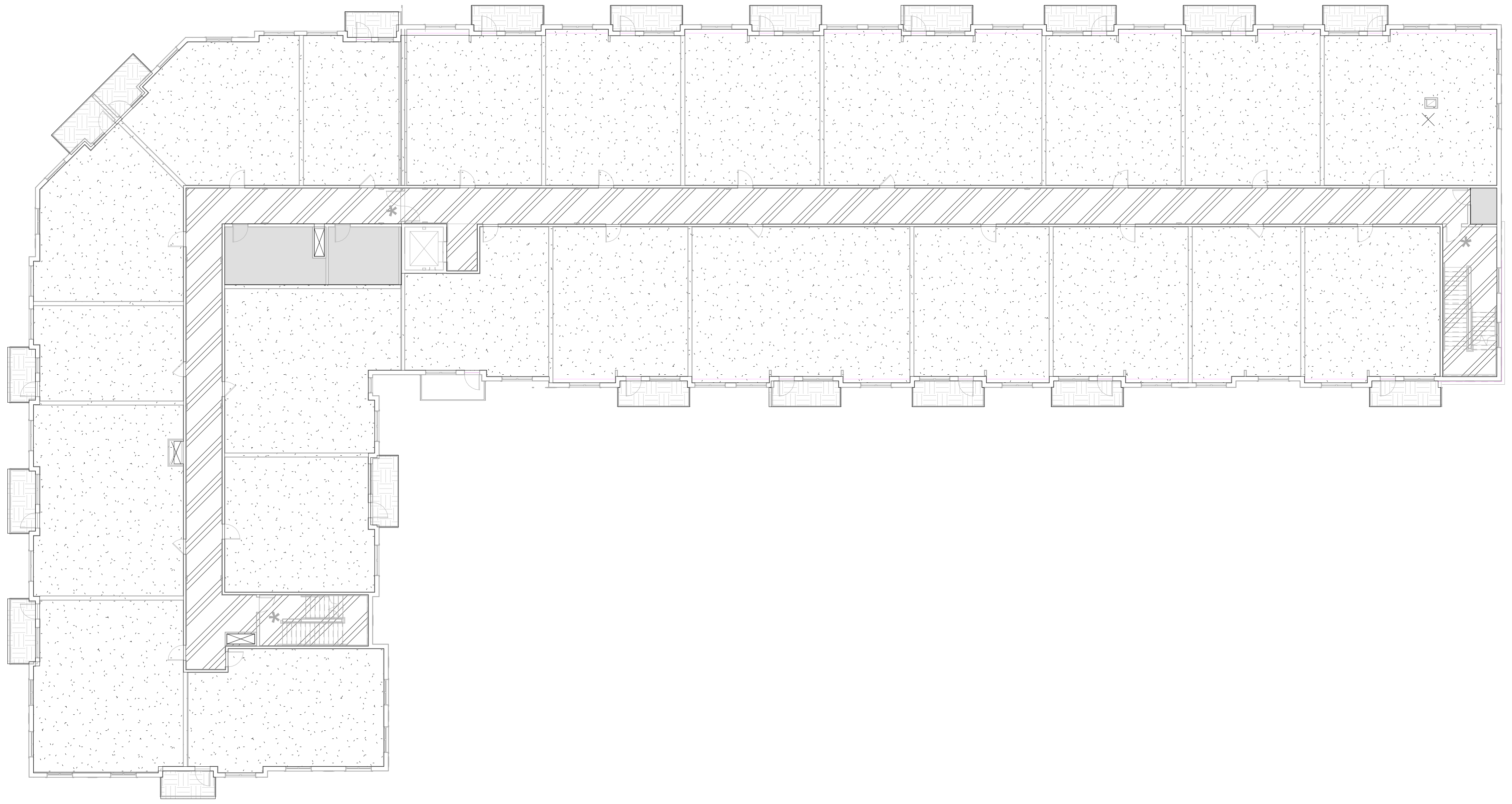
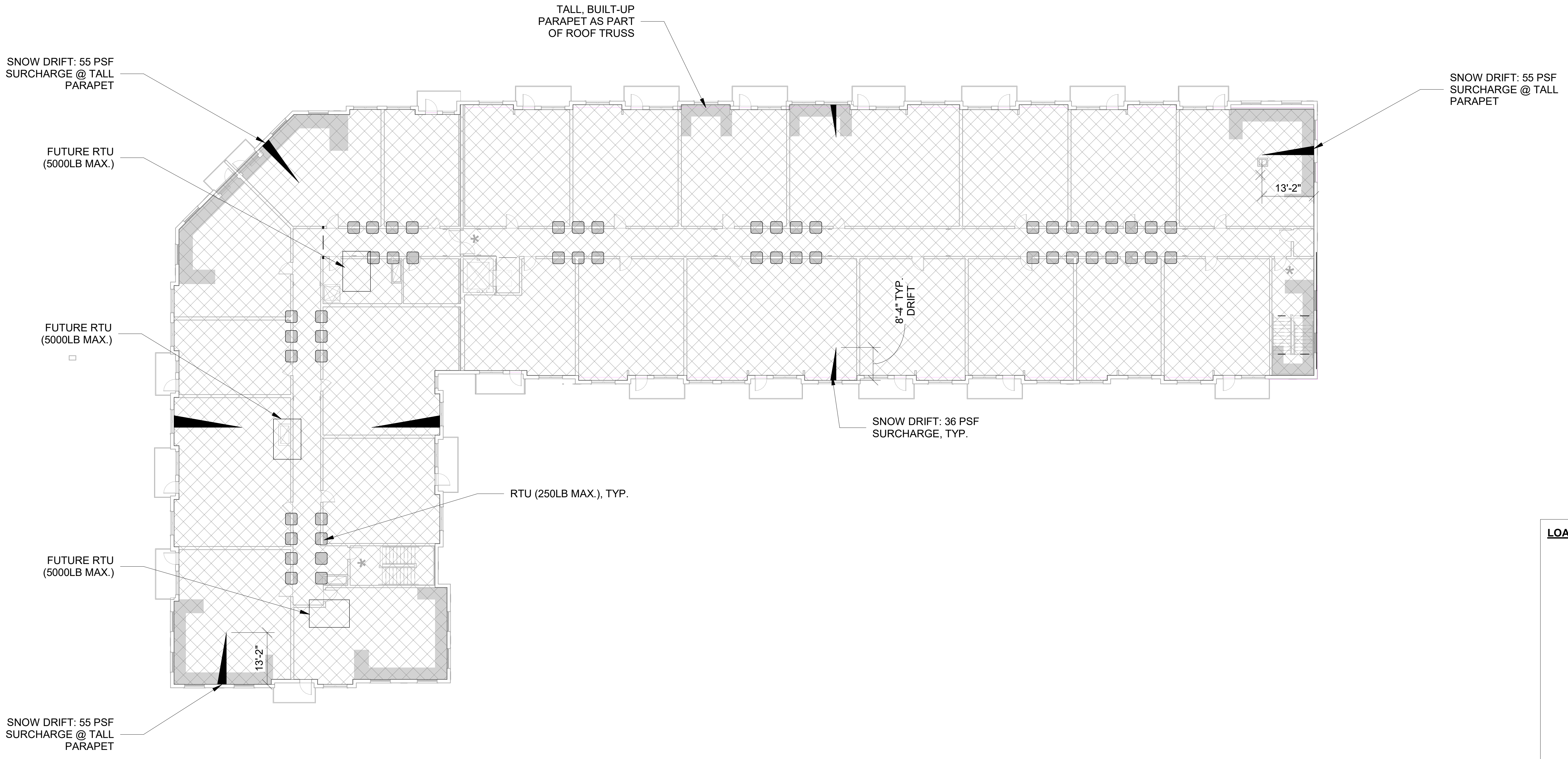


1 LEVEL 2 & 3 LOAD PLAN
S006 1" = 20'-0"


TALL, BUILT-UP PARAPET AS PART OF ROOF TRUSS
SNOW DRIFT: 55 PSF SURCHARGE @ TALL PARAPET
FUTURE RTU (5000LB MAX.)
SNOW DRIFT: 55 PSF SURCHARGE @ TALL PARAPET
13'-2"
FUTURE RTU (5000LB MAX.)
8'-4" TYP DRIFT
SNOW DRIFT: 36 PSF SURCHARGE, TYP.
RTU (250LB MAX.), TYP.
FUTURE RTU (5000LB MAX.)
13'-2"
SNOW DRIFT: 55 PSF SURCHARGE @ TALL PARAPET

2 ROOF - LOAD PLAN
S006 1" = 20'-0"

LOADING PLAN NOTES:

░	1. RESIDENTIAL	
	A. SUPERIMPOSED DEAD LOAD	15 PSF
	B. LIVE LOAD	40 PSF
▨	2. PUBLIC	
	A. SUPERIMPOSED DEAD LOAD	5 PSF
	B. LIVE LOAD	100 PSF
▒	3. MECHANICAL/STORAGE	
	A. SUPERIMPOSED DEAD LOAD	5 PSF
	B. LIVE LOAD	125 PSF
	a. LIVE LOAD INCLUDED IN SEISMIC WEIGHT OF BUILDING	
▭	4. BALCONY	
	A. DEAD LOAD	80 PSF
	B. LIVE LOAD	60 PSF
⊠	5. TYP. ROOF LOAD	
	A. SUPERIMPOSED DEAD LOAD	7 PSF
	B. MECHANICAL UNITS AS INDICATED ON PLAN (DEAD)	
	C. ROOF LIVE LOAD	20 PSF
	D. SNOW LOAD (UNIFORM/BALANCED)	14 PSF
	a. APPLIED SIMULTANEOUSLY WITH DRIFT PER PLAN	
	E. RAIN SURCHARGE ON SNOW	5 PSF

NOTE: SUPERIMPOSED DEAD LOADS ARE IN ADDITION TO TYPICAL FLOOR DEAD LOAD OF 27 PSF AND TYPICAL ROOF DEAD LOAD OF 20 PSF

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SHEET TITLE
LOAD PLANS

PROJECT NUMBER: 2023000333

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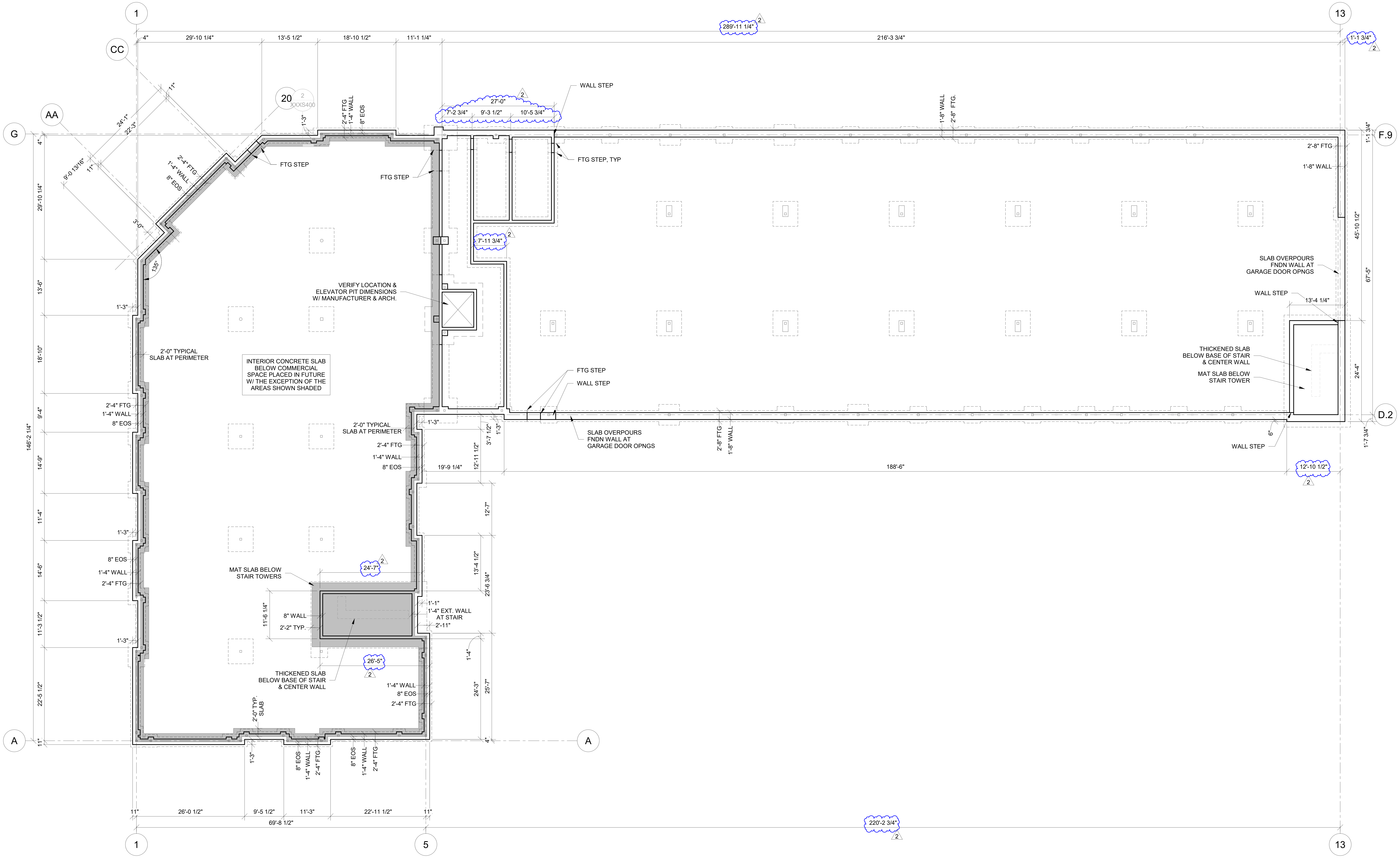
S006



1
S099
T.O. FIRST FLOOR SLAB
3/32" = 1'-0"

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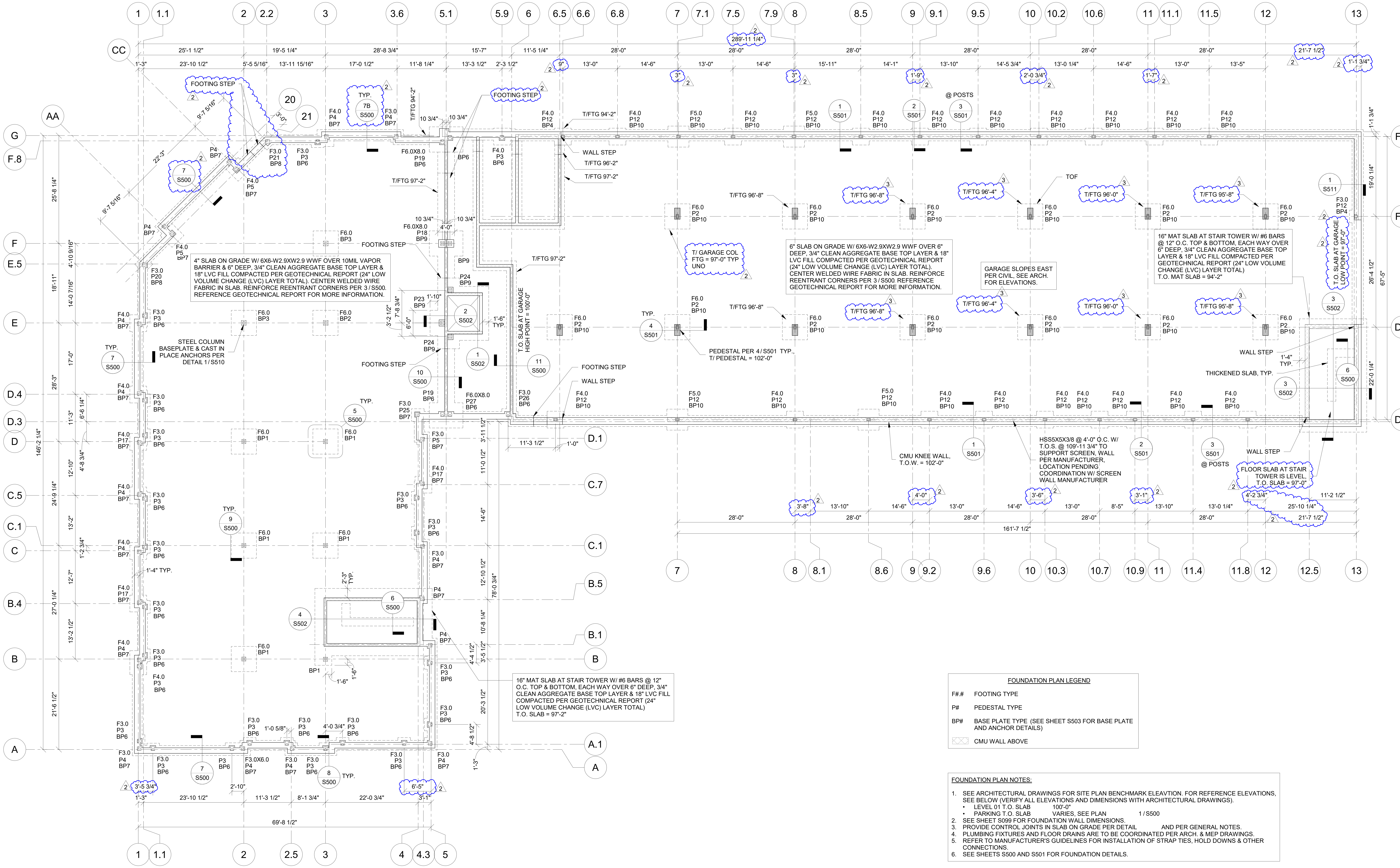
SHEET TITLE
FOUNDATION WALL & SLAB ON GRADE DIMENSION PLAN

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S099


4" SLAB ON GRADE W/ 6X6-W2.9XW2.9 WWF OVER 10MIL VAPOR BARRIER & 6" DEEP, 3/4" CLEAN AGGREGATE BASE TOP LAYER & 18" LVC FILL COMPACTED PER GEOTECHNICAL REPORT (24" LOW VOLUME CHANGE (LVC) LAYER TOTAL). CENTER WELDED WIRE FABRIC IN SLAB. REINFORCE REENTRANT CORNERS PER 3 / S500. REFERENCE GEOTECHNICAL REPORT FOR MORE INFORMATION.
6" SLAB ON GRADE W/ 6X6-W2.9XW2.9 WWF OVER 6" DEEP, 3/4" CLEAN AGGREGATE BASE TOP LAYER & 18" LVC FILL COMPACTED PER GEOTECHNICAL REPORT (24" LOW VOLUME CHANGE (LVC) LAYER TOTAL). CENTER WELDED WIRE FABRIC IN SLAB. REINFORCE REENTRANT CORNERS PER 3 / S500. REFERENCE GEOTECHNICAL REPORT FOR MORE INFORMATION.
GARAGE SLOPES EAST PER CIVIL, SEE ARCH. FOR ELEVATIONS.
16" MAT SLAB AT STAIR TOWER W/ #6 BARS @ 12" O.C. TOP & BOTTOM, EACH WAY OVER 6" DEEP, 3/4" CLEAN AGGREGATE BASE TOP LAYER & 18" LVC FILL COMPACTED PER GEOTECHNICAL REPORT (24" LOW VOLUME CHANGE (LVC) LAYER TOTAL) T.O. MAT SLAB = 94'-2"
16" MAT SLAB AT STAIR TOWER W/ #6 BARS @ 12" O.C. TOP & BOTTOM, EACH WAY OVER 6" DEEP, 3/4" CLEAN AGGREGATE BASE TOP LAYER & 18" LVC FILL COMPACTED PER GEOTECHNICAL REPORT (24" LOW VOLUME CHANGE (LVC) LAYER TOTAL) T.O. SLAB = 97'-2"
STEEL COLUMN BASEPLATE & CAST IN PLACE ANCHORS PER DETAIL 1 / S510
T/ GARAGE COL FTG = 97'-0" TYP UNO
PEDESTAL PER 4 / S501 TYP., T/ PEDESTAL = 102'-0"
T.O. SLAB AT GARAGE HIGH POINT = 100'-0"
T.O. SLAB AT GARAGE LOW POINT = 97'-0"
CMU KNEE WALL, T.O.W. = 102'-0"
HSS5X5X3/8 @ 4'-0" O.C. W/ T.O.S. @ 109'-11 3/4" TO SUPPORT SCREEN, WALL PER MANUFACTURER, LOCATION PENDING COORDINATION W/ SCREEN WALL MANUFACTURER
FLOOR SLAB AT STAIR TOWER IS LEVEL, T.O. SLAB = 97'-0"
THICKENED SLAB, TYP.
FOOTING STEP
WALL STEP
@ POSTS
TOF
T/FTG 94'-2"
T/FTG 96'-2"
T/FTG 97'-2"
T/FTG 96'-8"
T/FTG 96'-4"
T/FTG 96'-0"
T/FTG 95'-8"
F3.0 P3 BP6
F4.0 P4 BP7
F4.0 P12 BP10
F5.0 P12 BP10
F6.0 P2 BP10
F6.0 BP1
F6.0X8.0 P19 BP6
146'-2 1/4"
161'-7 1/2"
69'-8 1/2"
289'-11 1/4"
67'-5"
78'-0 3/4"

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

FOUNDATION PLAN LEGEND

F#.#	FOOTING TYPE
P#	PEDESTAL TYPE
BP#	BASE PLATE TYPE (SEE SHEET S503 FOR BASE PLATE AND ANCHOR DETAILS)
▨	CMU WALL ABOVE

FOUNDATION PLAN NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEAVTION. FOR REFERENCE ELEVATIONS, SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS).
   - LEVEL 01 T.O. SLAB 100'-0"
   - PARKING T.O. SLAB VARIES, SEE PLAN 1 / S500
2. SEE SHEET S099 FOR FOUNDATION WALL DIMENSIONS.
3. PROVIDE CONTROL JOINTS IN SLAB ON GRADE PER DETAIL AND PER GENERAL NOTES.
4. PLUMBING FIXTURES AND FLOOR DRAINS ARE TO BE COORDINATED PER ARCH. & MEP DRAWINGS.
5. REFER TO MANUFACTURER'S GUIDELINES FOR INSTALLATION OF STRAP TIES, HOLD DOWNS & OTHER CONNECTIONS.
6. SEE SHEETS S500 AND S501 FOR FOUNDATION DETAILS.

FOOTING SCHEDULE

Mark	Size	Reinforcing
F3.0	3'-0"X3'-0"X1'-0"	(3) #5 BARS, BOTTOM EACH WAY
F4.0	4'-0"X4'-0"X1'-0"	(4) #5 BARS, BOTTOM EACH WAY
F5.0	5'-0"X5'-0"X1'-0"	(5) #5 BARS, BOTTOM EACH WAY
F6.0	6'-0"X6'-0"X1'-4"	(6) #5 BARS, BOTTOM EACH WAY
F3.0X6.0	3'-0"X6'-0"X1'-0"	(6) #5 BARS, BOTTOM SHORT (3) #5 BARS, BOTTOM LONG
F4.0X6.0	4'-0"X6'-0"X1'-0"	(6) #5 BARS, BOTTOM SHORT (4) #5 BARS, BOTTOM LONG
F6.0X8.0	4'-0"X6'-0"X1'-0"	(8) #5 BARS, BOTTOM SHORT (6) #5 BARS, BOTTOM LONG

Notes:
1. All footings must be centered on walls and columns U.N.O.

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LEE'S SUMMIT, MO 64064

SHEET TITLE
FOUNDATION PLAN

PROJECT NUMBER: 2023000333

SHEET NUMBER:
S100

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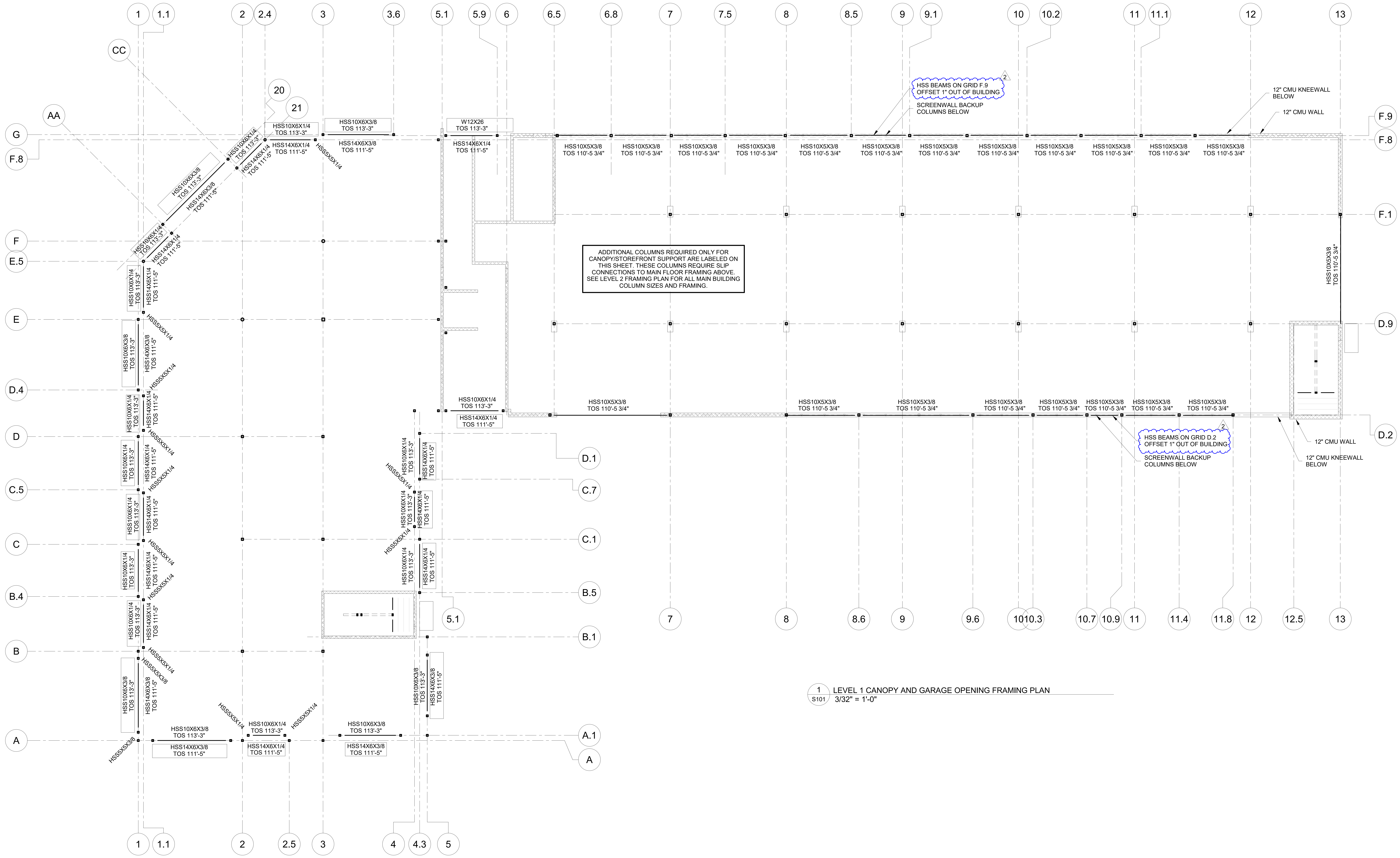

ADDITIONAL COLUMNS REQUIRED ONLY FOR CANOPY/STOREFRONT SUPPORT ARE LABELED ON THIS SHEET. THESE COLUMNS REQUIRE SLIP CONNECTIONS TO MAIN FLOOR FRAMING ABOVE. SEE LEVEL 2 FRAMING PLAN FOR ALL MAIN BUILDING COLUMN SIZES AND FRAMING.

1
S101
LEVEL 1 CANOPY AND GARAGE OPENING FRAMING PLAN
3/32" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:
1 10/21/2024 Addendum #1
2 11/11/2024 Addendum #2
3 12/26/2024 Addendum #3

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

THE VILLAGE AT DISCOVERY -
LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
LEVEL 1 CANOPY AND GARAGE
OPENING FRAMING PLAN

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S101

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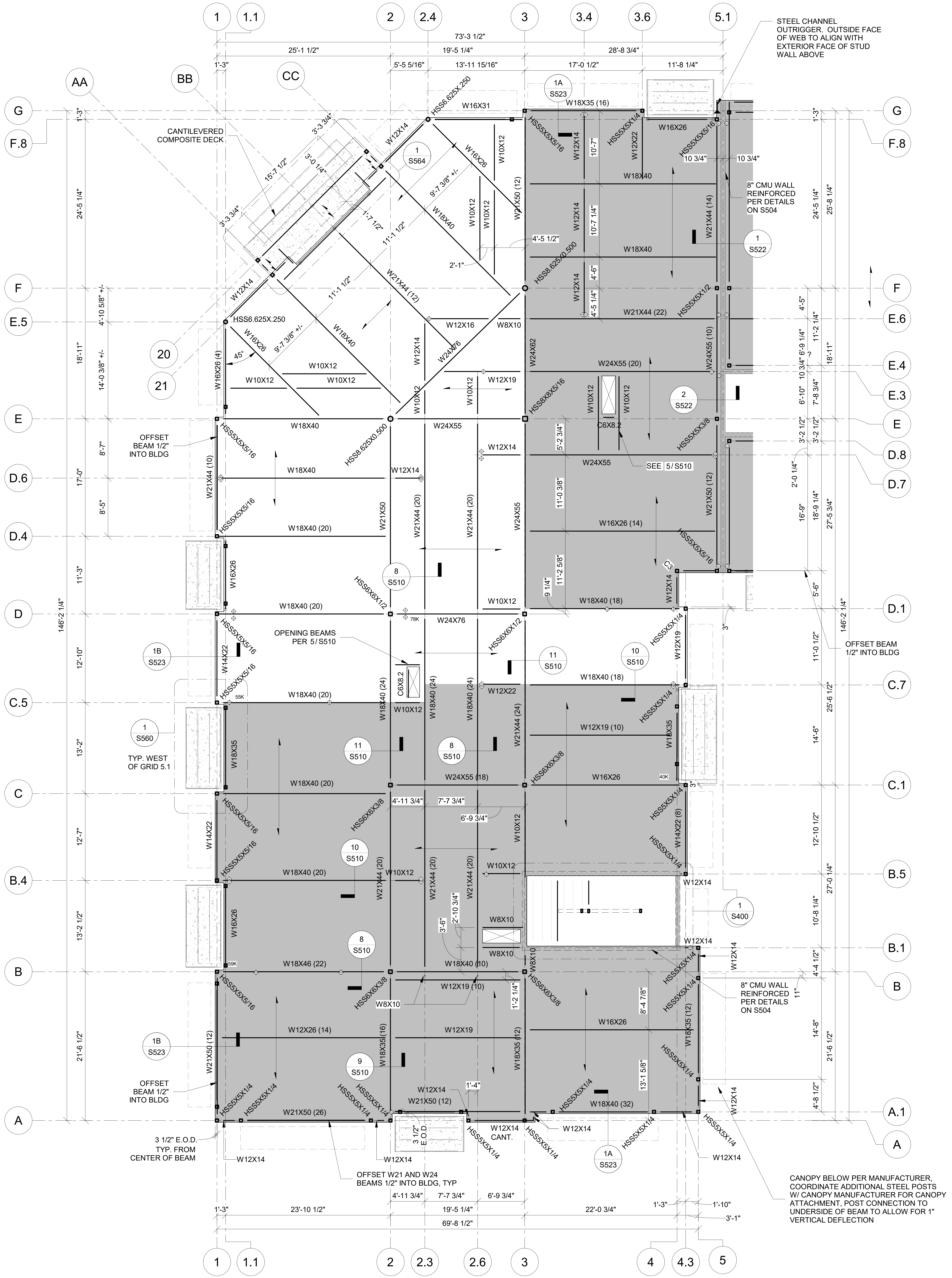
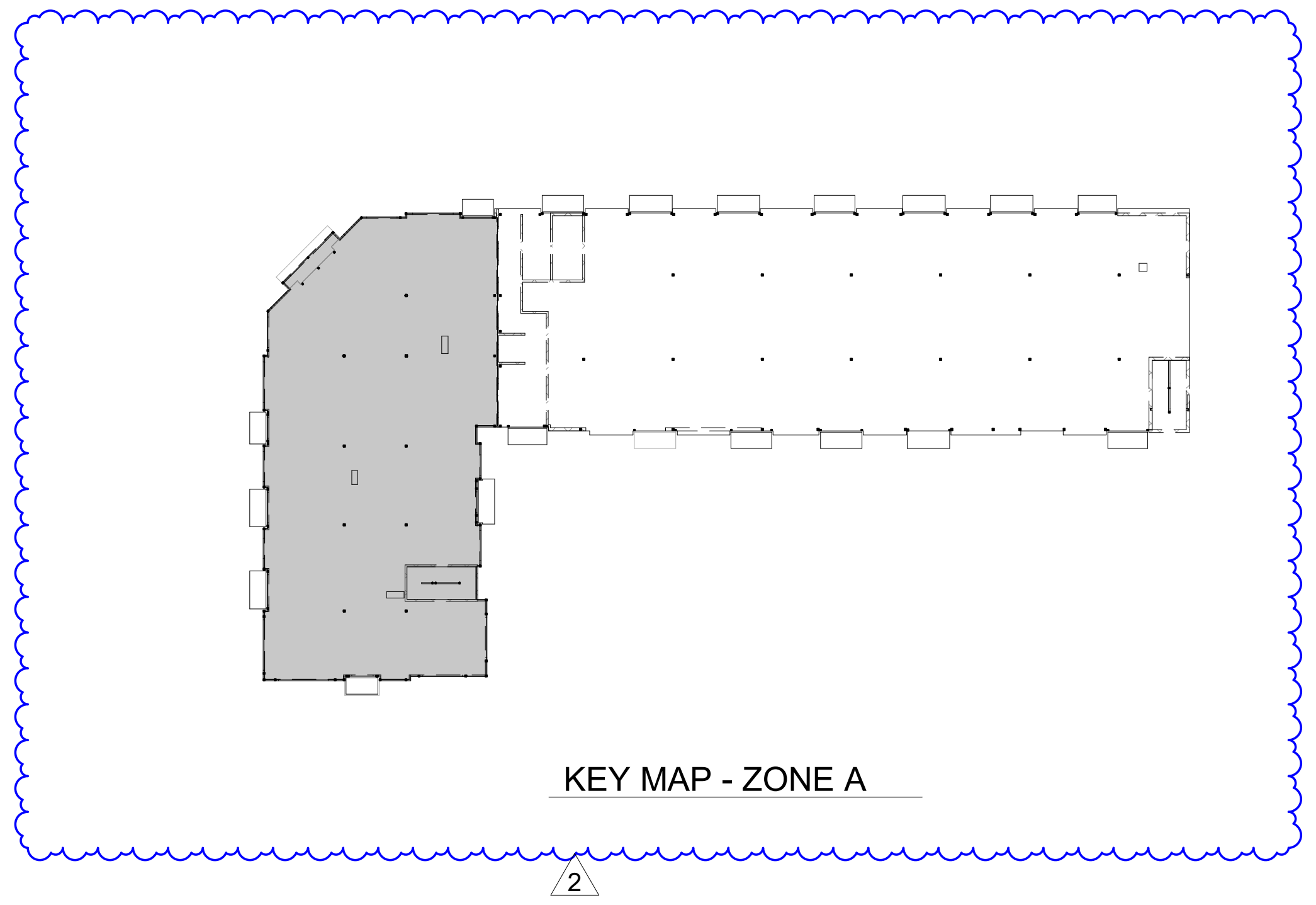


1 LEVEL 2 FRAMING PLAN - ZONE A
S102A 1/8" = 1'-0"



EXTERIOR COLUMN NOTE:

ALL EXTERIOR HSS 6x6 COLUMN TO BE HSS 6x6x1/2

△2

- REMOVED SHEET S102
- ADDED SHEET S102A WITH ENLARGED LEVEL 2 ZONE A FRAMING PLAN
- REVISED BALCONY FRAMING
- ADDED COLUMNS FOR CANOPY ATTACHMENT
- STEEL SIZES UPDATED FOR ECONOMY AND DUE TO BALCONY FRAMING CHANGES

△1

MINIMUM DESIGN REACTION SCHEDULE
(FOR BEAM REACTIONS NOT SHOWN ON PLANS OR DETAILS)

Beam	Min. No. of Bolts	Shear Tab to Column	Double Angle to Beam
W8	2	12.4 Kips	12.4 Kips
W10	2	13.8 Kips	13.8 Kips
W12	3	23.0 Kips	23.0 Kips
W14	3	26.4 Kips	26.4 Kips
W16	4	39.0 Kips	39.0 Kips
W18	5	53.0 Kips	59.1 Kips
W21	6	63.6 Kips	83.6 Kips
W24	7	74.2 Kips	110.6 Kips
W27	7	74.2 Kips	128.6 Kips
W30	8	84.8 Kips	151.3 Kips
W33	9	95.4 Kips	185.0 Kips
W36	10	103.0 Kips	205.0 Kips

Note: Unless reactions are noted on plan, beam connections shall be designed for these reactions & provided with these minimum bolt quantities. Fabricator shall provide shop drawings indicating the provided capacity of all typical connections.

Table assumptions:
- Least web thickness for beam depth series
- 3/8" 36 ksi single shear plate or 5/16" 36 ksi double angles
- 3/4" dia. A325 bolts with threads included
- Standard size bolt holes
- Beam coped top & bottom
- Distance from end of beam to center of bolt holes = 1 1/2" minimum...

BEAM SHAPE — W##X## (#) — NUMBER OF STUDS

BEAM ANNOTATION LEGEND

Notes:
1. See sheet S505 for typical steel details.
2. See sheet S505 for base plate and cap plate size.

PLAN LEGEND

⌖	SHEAR WALL HOLD DOWN PER SHEAR WALL SCHEDULE, SEE S004, SEE ALSO DETAILS ON SHEET S550
▨	CMU WALL
▭	SHADING DENOTES SPECIAL COMPOSITE DECK FAS 2 / S524 PATTERN PER GENERAL NOTES SECTION M
↔	DENOTES COMPOSITE DECK SPAN DIRECTION
P#	PEDESTAL TYPE
BP#	BASEPLATE TYPE

LEVEL 2 FRAMING PLAN NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEVATION. FOR REFERENCE ELEVATIONS, SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.)
   - LEVEL 02 F.F. (T.O. CONC.) 116'-0"
2. T.O.S. FOR STEEL FRAMING IS -0'-5 1/2" (115'-6 1/2") UNLESS NOTED OTHERWISE ON PLAN.
3. THE LEVEL 2 STRUCTURE IS TO BE COMPOSITE DECK OVER STEEL BEAMS WITH 3/4" DIA 4-1/2" LONG HEADED ANCHOR STUDS. COMPOSITE DECK SHALL BE 3" DEEP 20GA COMPOSITE DECK W/ 2-1/2" LIGHTWEIGHT CONCRETE (5-1/2" TOTAL). SEE GENERAL NOTES SECTION "M" FOR FASTENING.
4. PLUMBING FIXTURES, SHAFTS, AND FLOOR DRAINS ARE TO BE COORDINATED PER ARCH. & MEP DRAWINGS.
5. SEE ARCHITECTURAL FLOOR PLAN FOR NON-BEARING WALL, DOOR, AND WINDOW LOCATIONS.
6. SEE ARCHITECTURAL DRAWINGS FOR ALL RAILING DETAILS. REFER TO GENERAL NOTES FOR DESIGN CRITERIA.
7. REFER TO MANUFACTURER'S GUIDELINES FOR INSTALLATION OF STRAP TIES, HOLD DOWNS & OTHER CONNECTIONS.
8. REFER TO ARCHITECTURAL PLANS FOR STAIR DIMENSIONS AND REQUIREMENTS. REFER TO STRUCTURAL GENERAL NOTES FOR STAIR DESIGN CRITERIA.

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THE VILLAGE AT DISCOVERY - LOT 4

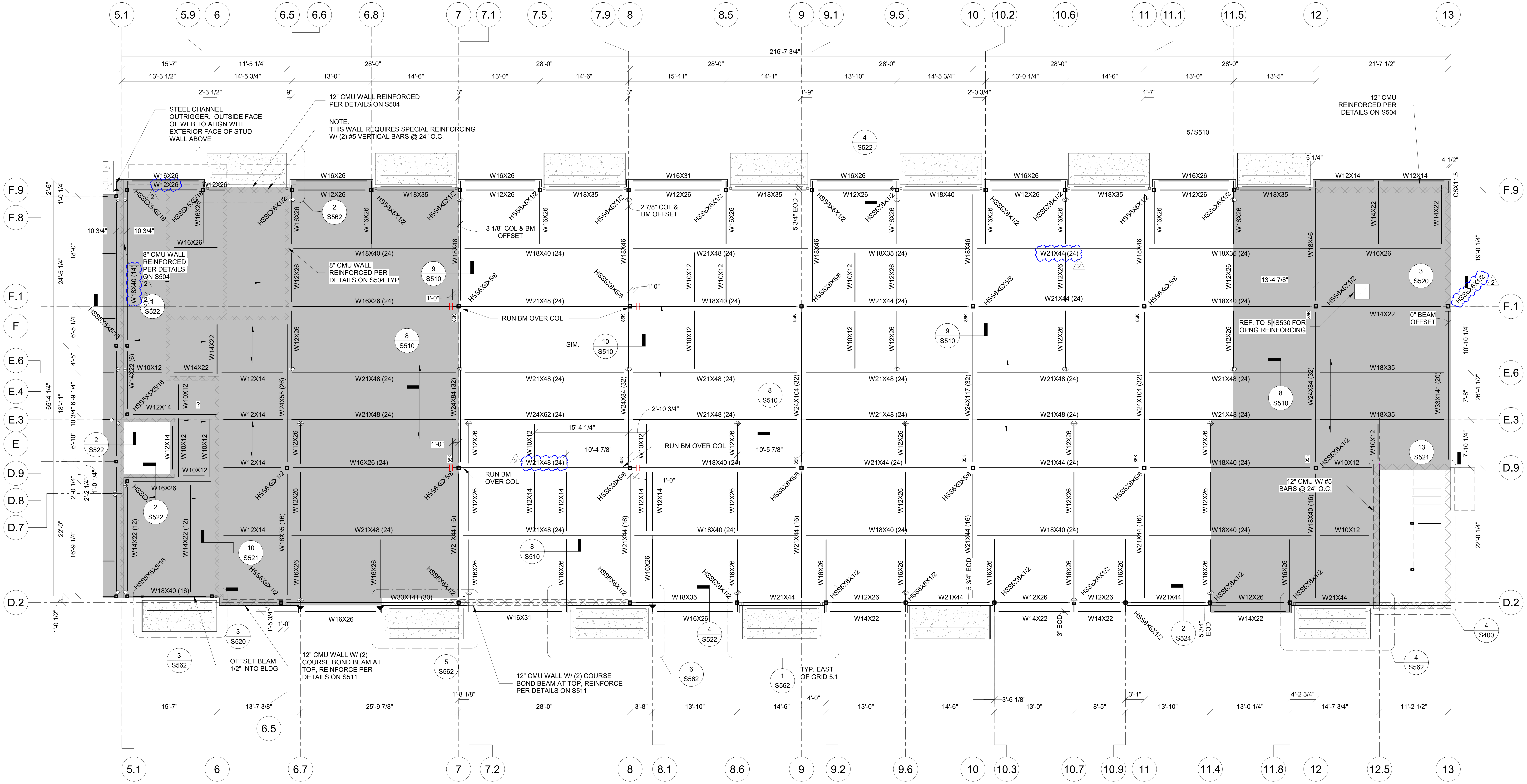
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
LEVEL 2 FRAMING PLAN ZONE A

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S102A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11
11.1
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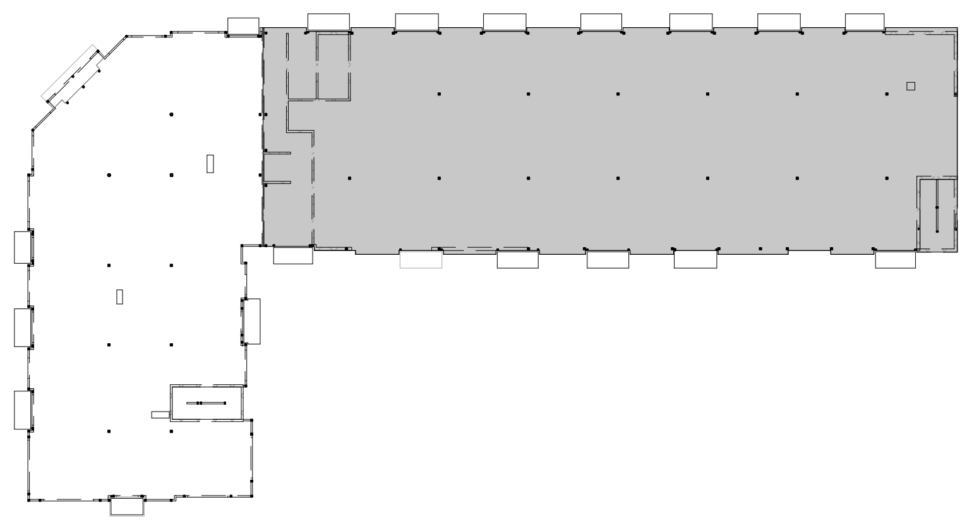
12
13
F.9
F.8
F.1
F
E.6
E.4
E.3
E
D.9
D.8
D.7
D.2
216'-7 3/4"
STEEL CHANNEL OUTRIGGER. OUTSIDE FACE OF WEB TO ALIGN WITH EXTERIOR FACE OF STUD WALL ABOVE
12" CMU WALL REINFORCED PER DETAILS ON S504
NOTE: THIS WALL REQUIRES SPECIAL REINFORCING W/ (2) #5 VERTICAL BARS @ 24" O.C.
12" CMU REINFORCED PER DETAILS ON S504
5/S510
8" CMU WALL REINFORCED PER DETAILS ON S504
8" CMU WALL REINFORCED PER DETAILS ON S504 TYP
3 1/8" COL & BM OFFSET
2 7/8" COL & BM OFFSET
RUN BM OVER COL
RUN BM OVER COL
RUN BM OVER COL
REF. TO 5/S530 FOR OPNG REINFORCING
0" BEAM OFFSET
12" CMU W/ #5 BARS @ 24" O.C.
OFFSET BEAM 1/2" INTO BLDG
12" CMU WALL W/ (2) COURSE BOND BEAM AT TOP, REINFORCE PER DETAILS ON S511
12" CMU WALL W/ (2) COURSE BOND BEAM AT TOP, REINFORCE PER PER DETAILS ON S511
TYP. EAST OF GRID 5.1
SIM.
W16X26
W12X26
W18X35
W18X40 (24)
W21X48 (24)
W21X44 (24)
W24X62 (24)
W33X141 (30)
W33X141 (20)
W24X84 (32)
W24X104 (32)
W24X117 (32)
W21X44 (16)
W18X40 (16)
HSS6X6X1/2
HSS6X6X5/8
HSS5X5X5/16
W16X31
W14X22
W12X14
W10X12
W18X46
6.5
5.1
6
6.7
7
7.2
8
8.1
8.6
9
9.2
9.6
10
10.3
10.7
10.9
11
11.4
11.8
12
12.5
13

1
S102B
LEVEL 2 FRAMING PLAN - ZONE B
1/8" = 1'-0"

EXTERIOR COLUMN NOTE:

ALL EXTERIOR HSS 6x6 COLUMN TO BE HSS 6x6x1/2 2



KEY MAP - ZONE B

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MINIMUM DESIGN REACTION SCHEDULE
(FOR BEAM REACTIONS NOT SHOWN ON PLANS OR DETAILS)

Beam	Min. No. of Bolts	Shear Tab to Column	Double Angle to Beam
W8	2	12.4 Kips	12.4 Kips
W10	2	13.8 Kips	13.8 Kips
W12	3	23.0 Kips	23.0 Kips
W14	3	26.4 Kips	26.4 Kips
W16	4	39.0 Kips	39.0 Kips
W18	5	53.0 Kips	59.1 Kips
W21	6	63.6 Kips	83.6 Kips
W24	7	74.2 Kips	110.6 Kips
W27	7	74.2 Kips	128.6 Kips
W30	8	84.8 Kips	151.3 Kips
W33	9	95.4 Kips	185.0 Kips
W36	10	103.0 Kips	205.0 Kips

Note: Unless reactions are noted on plan, beam connections shall be designed for these reactions & provided with these minimum bolt quantities. Fabricator shall provide shop drawings indicating the provided capacity of all typical connections.
Table assumptions:
- Least web thickness for beam depth series
- 3/8" 36 ksi single shear plate or 5/16" 36 ksi double angles
- 3/4" dia. A325 bolts with threads included
- Standard size bolt holes
- Beam coped top & bottom
- Distance from end of beam to center of bolt holes = 1 1/2" minimum...

BEAM SHAPE — NUMBER OF STUDS

W##X## (#)

BEAM ANNOTATION LEGEND

Notes:
1. See sheet S505 for typical steel details.
2. See sheet S505 for base plate and cap plate size.

PLAN LEGEND

⌖	SHEAR WALL HOLD DOWN PER SHEAR WALL SCHEDULE, SEE S004, SEE ALSO DETAILS ON SHEET S550
▨	CMU WALL
▭	SHADING DENOTES SPECIAL COMPOSITE DECK FAS 2 / S524 PATTERN PER GENERAL NOTES SECTION M
↔	DENOTES COMPOSITE DECK SPAN DIRECTION
P#	PEDESTAL TYPE
BP#	BASEPLATE TYPE

2

LEVEL 2 FRAMING PLAN NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEVATION. FOR REFERENCE ELEVATIONS, SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.)
   - LEVEL 02 F.F. (T.O. CONC.) 116'-0"
2. T.O.S. FOR STEEL FRAMING IS -0'-5 1/2" (115'-6 1/2") UNLESS NOTED OTHERWISE ON PLAN.
3. THE LEVEL 2 STRUCTURE IS TO BE COMPOSITE DECK OVER STEEL BEAMS WITH 3/4" DIA 4-1/2" LONG HEADED ANCHOR STUDS. COMPOSITE DECK SHALL BE 3" DEEP 20GA COMPOSITE DECK W/ 2-1/2" LIGHTWEIGHT CONCRETE (5-1/2" TOTAL). SEE GENERAL NOTES SECTION "M" FOR FASTENING.
4. PLUMBING FIXTURES, SHAFTS, AND FLOOR DRAINS ARE TO BE COORDINATED PER ARCH. & MEP DRAWINGS.
5. SEE ARCHITECTURAL FLOOR PLAN FOR NON-BEARING WALL, DOOR, AND WINDOW LOCATIONS.
6. SEE ARCHITECTURAL DRAWINGS FOR ALL RAILING DETAILS. REFER TO GENERAL NOTES FOR DESIGN CRITERIA.
7. REFER TO MANUFACTURER'S GUIDELINES FOR INSTALLATION OF STRAP TIES, HOLD DOWNS & OTHER CONNECTIONS.
8. REFER TO ARCHITECTURAL PLANS FOR STAIR DIMENSIONS AND REQUIREMENTS. REFER TO STRUCTURAL GENERAL NOTES FOR STAIR DESIGN CRITERIA.

- REMOVED SHEET S102
- ADDED SHEET S102A WITH ENLARGED LEVEL 2 ZONE A FRAMING PLAN
- REVISED BALCONY FRAMING
- ADDED COLUMNS FOR CANOPY ATTACHMENT
- STEEL SIZES UPDATED FOR ECONOMY AND DUE TO BALCONY FRAMING CHANGES

1

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THE VILLAGE AT DISCOVERY - LOT 4

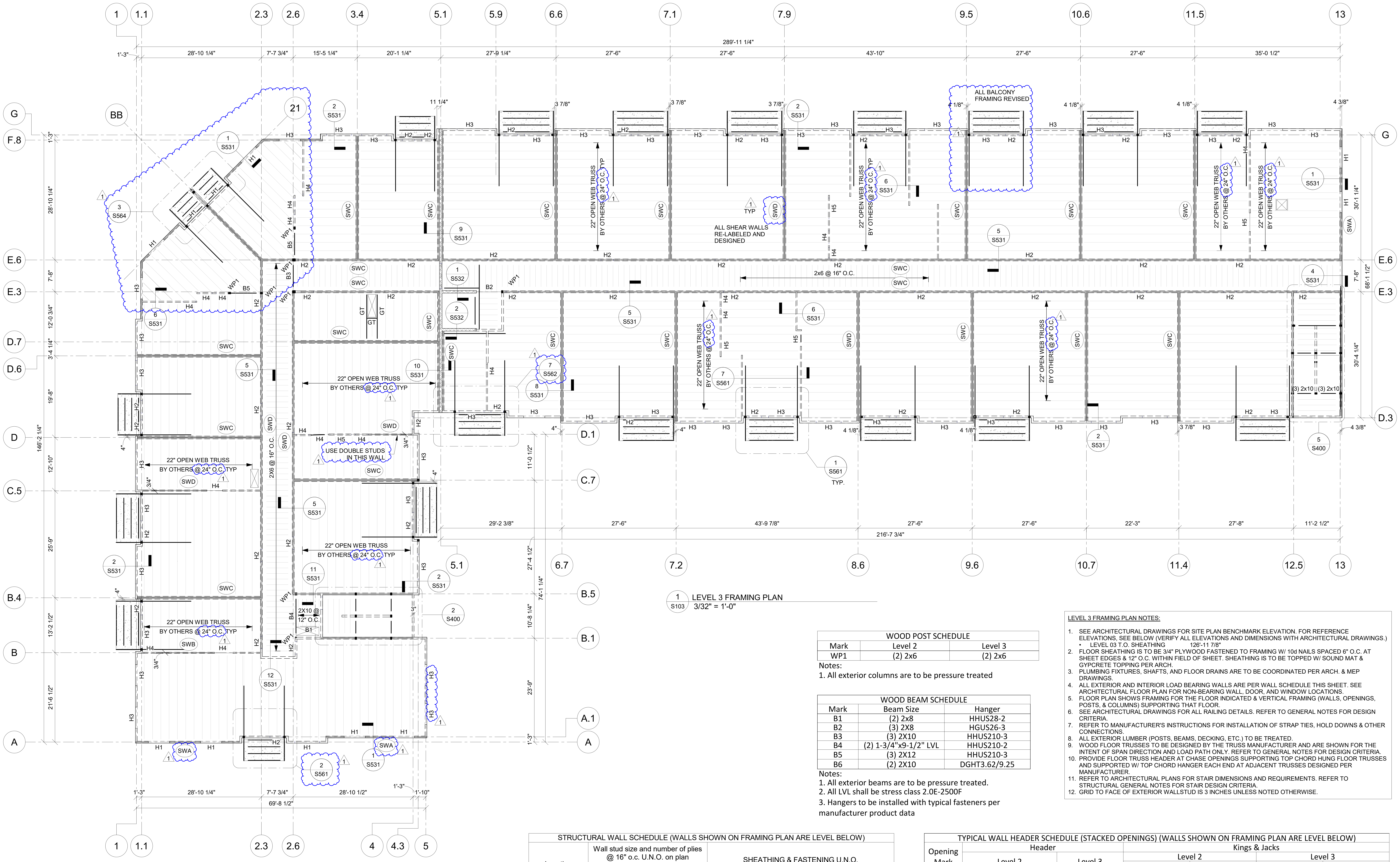
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
LEVEL 2 FRAMING PLAN ZONE B

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S102B



1 S103 **LEVEL 3 FRAMING PLAN**
3/32" = 1'-0"

WOOD POST SCHEDULE		
Mark	Level 2	Level 3
WP1	(2) 2x6	(2) 2x6

Notes:
1. All exterior columns are to be pressure treated

WOOD BEAM SCHEDULE		
Mark	Beam Size	Hanger
B1	(2) 2x8	HHUS28-2
B2	(3) 2X8	HGUS26-3
B3	(3) 2X10	HHUS210-3
B4	(2) 1-3/4"x9-1/2" LVL	HHUS210-2
B5	(3) 2X12	HHUS210-3
B6	(2) 2X10	DGHT3.62/9.25

Notes:
1. All exterior beams are to be pressure treated.
2. All LVL shall be stress class 2.0E-2500F
3. Hangers to be installed with typical fasteners per manufacturer product data

LEVEL 3 FRAMING PLAN NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEVATION. FOR REFERENCE ELEVATIONS, SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.)
   - LEVEL 03 T.O. SHEATHING 126'-11 7/8"
2. FLOOR SHEATHING IS TO BE 3/4" PLYWOOD FASTENED TO FRAMING W/ 10d NAILS SPACED 6" O.C. AT SHEET EDGES & 12" O.C. WITHIN FIELD OF SHEET. SHEATHING IS TO BE TOPPED W/ SOUND MAT & GYPCRETE TOPPING PER ARCH.
3. PLUMBING FIXTURES, SHAFTS, AND FLOOR DRAINS ARE TO BE COORDINATED PER ARCH. & MEP DRAWINGS.
4. ALL EXTERIOR AND INTERIOR LOAD BEARING WALLS ARE PER WALL SCHEDULE THIS SHEET. SEE ARCHITECTURAL FLOOR PLAN FOR NON-BEARING WALL, DOOR, AND WINDOW LOCATIONS.
5. FLOOR PLAN SHOWS FRAMING FOR THE FLOOR INDICATED & VERTICAL FRAMING (WALLS, OPENINGS, POSTS, & COLUMNS) SUPPORTING THAT FLOOR.
6. SEE ARCHITECTURAL DRAWINGS FOR ALL RAILING DETAILS. REFER TO GENERAL NOTES FOR DESIGN CRITERIA.
7. REFER TO MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF STRAP TIES, HOLD DOWNS & OTHER CONNECTIONS.
8. ALL EXTERIOR LUMBER (POSTS, BEAMS, DECKING, ETC.) TO BE TREATED.
9. WOOD FLOOR TRUSSES TO BE DESIGNED BY THE TRUSS MANUFACTURER AND ARE SHOWN FOR THE INTENT OF SPAN DIRECTION AND LOAD PATH ONLY. REFER TO GENERAL NOTES FOR DESIGN CRITERIA.
10. PROVIDE FLOOR TRUSS HEADER AT CHASE OPENINGS SUPPORTING TOP CHORD HUNG FLOOR TRUSSES AND SUPPORTED W/ TOP CHORD HANGER EACH END AT ADJACENT TRUSSES DESIGNED PER MANUFACTURER.
11. REFER TO ARCHITECTURAL PLANS FOR STAIR DIMENSIONS AND REQUIREMENTS. REFER TO STRUCTURAL GENERAL NOTES FOR STAIR DESIGN CRITERIA.
12. GRID TO FACE OF EXTERIOR WALLSTUD IS 3 INCHES UNLESS NOTED OTHERWISE.

STRUCTURAL WALL SCHEDULE (WALLS SHOWN ON FRAMING PLAN ARE LEVEL BELOW)			
Location	Wall stud size and number of plies @ 16" o.c. U.N.O. on plan		SHEATHING & FASTENING U.N.O. (See Note 4)
	Level 2	Level 3	
EXTERIOR	(1) 2x6	(1) 2x6	15/32" Structural wood sheathing fastened w/ 10d nails. 6" o.c. edges , 12" o.c. field
DOUBLE WALLS BETWEEN UNITS	(1) 2x4	(1) 2x4	5/8" Gypsum wallboard fastened w/ 1 5/8" Type W screws 7" o.c. edges, 7" o.c. field
WITHIN UNITS	(2) 2x4	(1) 2x4	5/8" Gypsum wallboard fastened w/ 1 5/8" Type W screws 7" o.c. edge, 7" o.c. field
CORRIDOR	(1) 2x6	(1) 2x6	5/8" Gypsum wallboard fastened w/ 1 5/8" Type W screws 7" o.c. edge, 7" o.c. field

Notes:
1. Sill plates at podium level to be fastened w/ 3/8"Ø x 3-1/2" Hilti Kwik HUS EZ bolts @ 48" o.c. U.N.O.
2. Top and bottom plates at all other levels to be fastened w/ (2) 16d nails @ 16" o.c. U.N.O.
3. Shear walls shall be sheathed per Shear Wall Schedule
4. Non-structural walls not shown, refer to architectural drawings.
5. All top plates are to be continuous. Splice per 4/510.

TYPICAL WALL HEADER SCHEDULE (STACKED OPENINGS) (WALLS SHOWN ON FRAMING PLAN ARE LEVEL BELOW)						
Opening Mark	Header		Kings & Jacks			
	Level 2	Level 3	Level 2		Level 3	
			Kings	Jacks	Kings	Jacks
H1	(3) 2x10	(3) 2x8	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6
H2	(3) 2x8	(3) 2x8	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6
H3	(3) 2x8	(3) 2x10	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6
H4	(2) 2x12	(2) 2x8	(2) 2x4	(1) 2x4	(1) 2x4	(1) 2x4
H5	(2) LVL 1-3/4 x 11-7/8	(2) 2x8	(1) 2x4	(2) 2x4	(1) 2x4	(1) 2x4
H6	(2) LVL 1-3/4 x 20	(2) 2x8	(2) 2x4	(2) 2x4	(2) 2x4	(1) 2x4

H# = An opening which requires a header

Notes:
1. See S500 for typical opening framing.
2. All openings should stack according to the plans.
3. Coordinate all dimensions and elevations with architectural drawings.
4. Cripple studs should match the adjacent wall framing.
5. All LVL shall be stress class 2.0E-2500F
6. All Glulam shall be stress class 24F-1.8E

PLAN LEGEND

SW#	SHEAR WALL, PER SCHEDULE
H#	HEADER TYPE, PER SCHEDULE
WP#	WOOD POST, PER SCHEDULE
C#	STEEL COLUMN, PER SCHEDULE
┄	BEARING WALL BELOW
▬	SHEAR WALL BELOW
▨	CMU WALL

N

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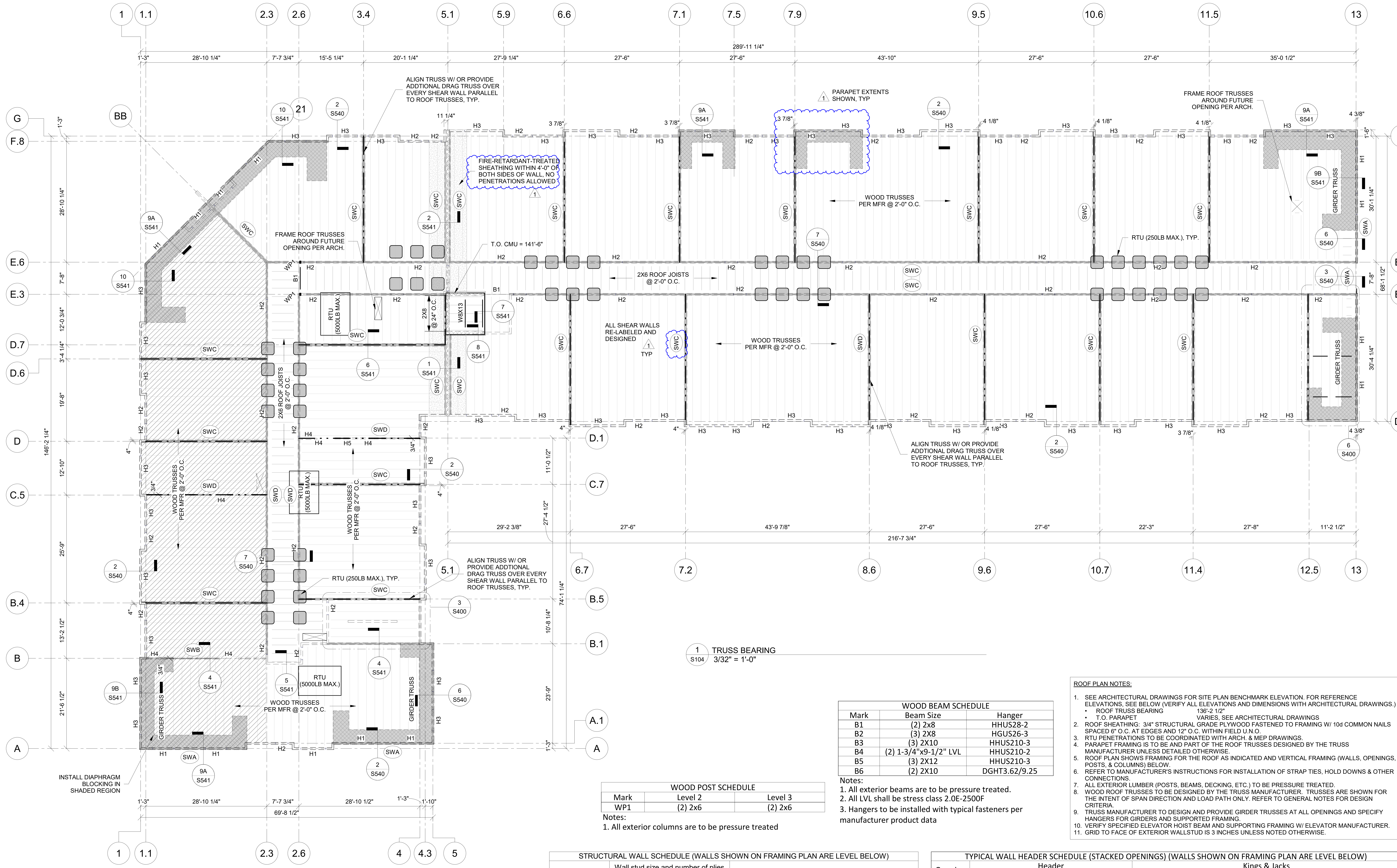
THE VILLAGE AT DISCOVERY - LOT 4

1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
LEVEL 3 FRAMING PLAN

PROJECT NUMBER: 2023000333

SHEET NUMBER:
S103



1 TRUSS BEARING
S104 3/32" = 1'-0"

WOOD POST SCHEDULE		
Mark	Level 2	Level 3
WP1	(2) 2x6	(2) 2x6

Notes:
1. All exterior columns are to be pressure treated

WOOD BEAM SCHEDULE		
Mark	Beam Size	Hanger
B1	(2) 2x8	HHUS28-2
B2	(3) 2X8	HGUS26-3
B3	(3) 2X10	HHUS210-3
B4	(2) 1-3/4"x9-1/2" LVL	HHUS210-2
B5	(3) 2X12	HHUS210-3
B6	(2) 2X10	DGHT3.62/9.25

Notes:
1. All exterior beams are to be pressure treated.
2. All LVL shall be stress class 2.0E-2500F
3. Hangers to be installed with typical fasteners per manufacturer product data

ROOF PLAN NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR SITE PLAN BENCHMARK ELEVATION. FOR REFERENCE ELEVATIONS, SEE BELOW (VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.)
   - ROOF TRUSS BEARING 136'-2 1/2"
   - T.O. PARAPET VARIES, SEE ARCHITECTURAL DRAWINGS
2. ROOF SHEATHING: 3/4" STRUCTURAL GRADE PLYWOOD FASTENED TO FRAMING W/ 10d COMMON NAILS SPACED 6" O.C. AT EDGES AND 12" O.C. WITHIN FIELD U.N.O.
3. RTU PENETRATIONS TO BE COORDINATED WITH ARCH. & MEP DRAWINGS.
4. PARAPET FRAMING IS TO BE AND PART OF THE ROOF TRUSSES DESIGNED BY THE TRUSS MANUFACTURER UNLESS DETAILED OTHERWISE.
5. ROOF PLAN SHOWS FRAMING FOR THE ROOF AS INDICATED AND VERTICAL FRAMING (WALLS, OPENINGS, POSTS, & COLUMNS) BELOW.
6. REFER TO MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF STRAP TIES, HOLD DOWNS & OTHER CONNECTIONS.
7. ALL EXTERIOR LUMBER (POSTS, BEAMS, DECKING, ETC.) TO BE PRESSURE TREATED.
8. WOOD ROOF TRUSSES TO BE DESIGNED BY THE TRUSS MANUFACTURER. TRUSSES ARE SHOWN FOR THE INTENT OF SPAN DIRECTION AND LOAD PATH ONLY. REFER TO GENERAL NOTES FOR DESIGN CRITERIA.
9. TRUSS MANUFACTURER TO DESIGN AND PROVIDE GIRDER TRUSSES AT ALL OPENINGS AND SPECIFY HANGERS FOR GIRDERS AND SUPPORTED FRAMING.
10. VERIFY SPECIFIED ELEVATOR HOIST BEAM AND SUPPORTING FRAMING W/ ELEVATOR MANUFACTURER.
11. GRID TO FACE OF EXTERIOR WALLSTUD IS 3 INCHES UNLESS NOTED OTHERWISE.

PLAN LEGEND

SW#	SHEAR WALL, PER SCHEDULE
H#	HEADER TYPE, PER SCHEDULE
WP#	WOOD POST, PER SCHEDULE
C#	STEEL COLUMN, PER SCHEDULE
⊏ ═ ═ ⊐	BEARING WALL BELOW
▬	SHEAR WALL BELOW
▨	CMU WALL

STRUCTURAL WALL SCHEDULE (WALLS SHOWN ON FRAMING PLAN ARE LEVEL BELOW)			
Location	Wall stud size and number of plies @ 16" o.c. U.N.O. on plan		SHEATHING & FASTENING U.N.O. (See Note 4)
	Level 2	Level 3	
EXTERIOR	(1) 2x6	(1) 2x6	15/32" Structural wood sheathing fastened w/ 10d nails. 6" o.c. edges , 12" o.c. field
DOUBLE WALLS BETWEEN UNITS	(1) 2x4	(1) 2x4	5/8" Gypsum wallboard fastened w/ 1 5/8" Type W screws 7" o.c. edges, 7" o.c. field
WITHIN UNITS	(2) 2x4	(1) 2x4	5/8" Gypsum wallboard fastened w/ 1 5/8" Type W screws 7" o.c. edge, 7" o.c. field
CORRIDOR	(1) 2x6	(1) 2x6	5/8" Gypsum wallboard fastened w/ 1 5/8" Type W screws 7" o.c. edge, 7" o.c. field

Notes:
1. Sill plates at podium level to be fastened w/ 3/8"Ø x 3-1/2" Hilti Kwik HUS EZ bolts @ 48" o.c. U.N.O.
2. Top and bottom plates at all other levels to be fastened w/ (2) 16d nails @ 16" o.c. U.N.O.
3. Shear walls shall be sheathed per Shear Wall Schedule
4. Non-structural walls not shown, refer to architectural drawings.
5. All top plates are to be continuous. Splice per 4/510.

TYPICAL WALL HEADER SCHEDULE (STACKED OPENINGS) (WALLS SHOWN ON FRAMING PLAN ARE LEVEL BELOW)						
Opening Mark	Header		Kings & Jacks			
	Level 2	Level 3	Level 2		Level 3	
			Kings	Jacks	Kings	Jacks
H1	(3) 2x10	(3) 2x8	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6
H2	(3) 2x8	(3) 2x8	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6
H3	(3) 2x8	(3) 2x10	(1) 2x6	(1) 2x6	(1) 2x6	(1) 2x6
H4	(2) 2x12	(2) 2x8	(2) 2x4	(1) 2x4	(1) 2x4	(1) 2x4
H5	(2) LVL 1-3/4 x 11-7/8	(2) 2x8	(1) 2x4	(2) 2x4	(1) 2x4	(1) 2x4
H6	(2) LVL 1-3/4 x 20	(2) 2x8	(2) 2x4	(2) 2x4	(2) 2x4	(1) 2x4

H# = An opening which requires a header

Notes:
1. See S500 for typical opening framing.
2. All openings should stack according to the plans.
3. Coordinate all dimensions and elevations with architectural drawings.
4. Cripple studs should match the adjacent wall framing.
5. All LVL shall be stress class 2.0E-2500F
6. All Glulam shall be stress class 24F-1.8E

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REVISIONS:

1	10/21/2024	Addendum #1
2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

McCLURE™

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Columbia, MO 65203
P 573-814-1568

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

THE VILLAGE AT DISCOVERY - LOT 4

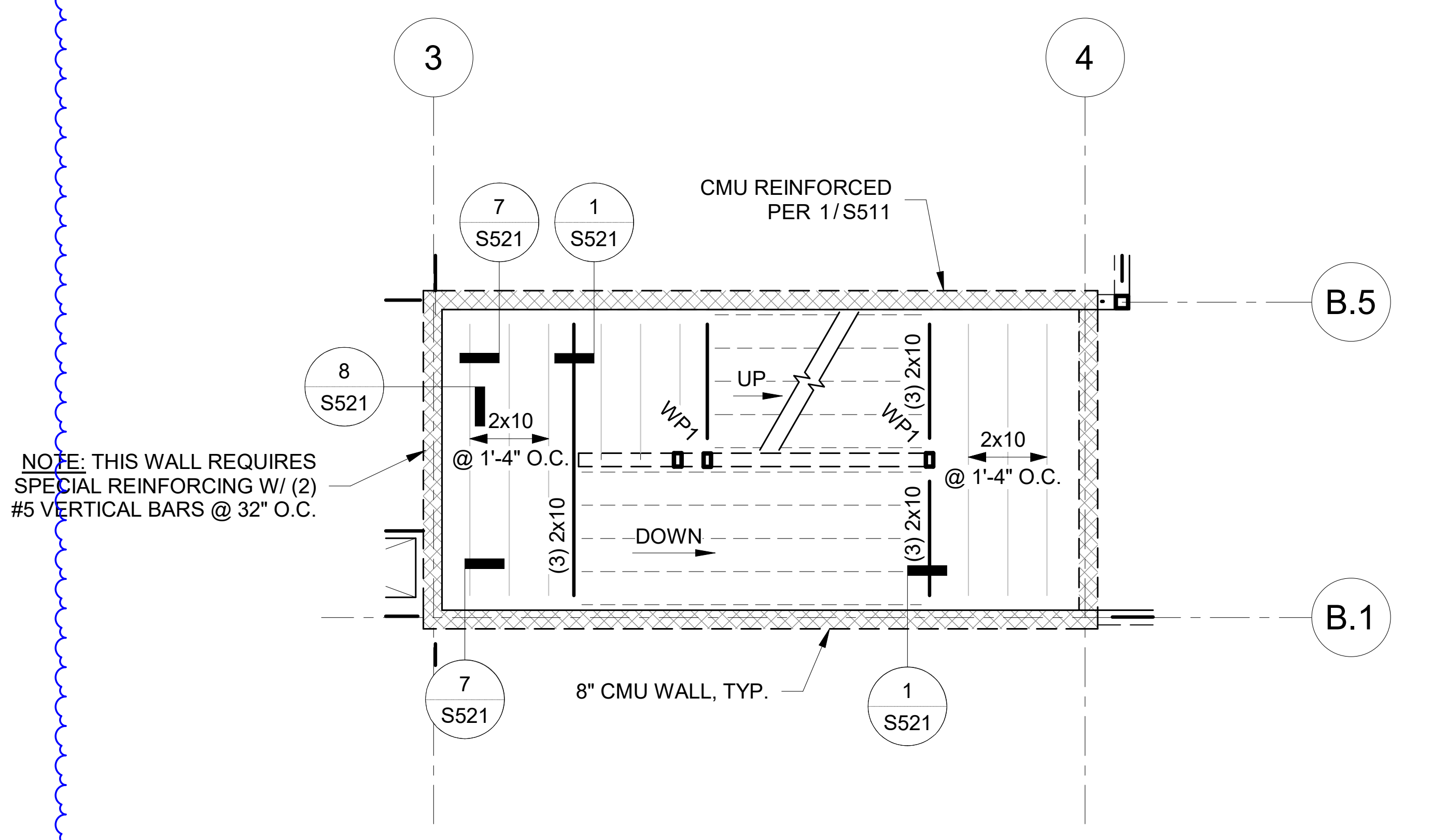
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
ROOF FRAMING PLAN

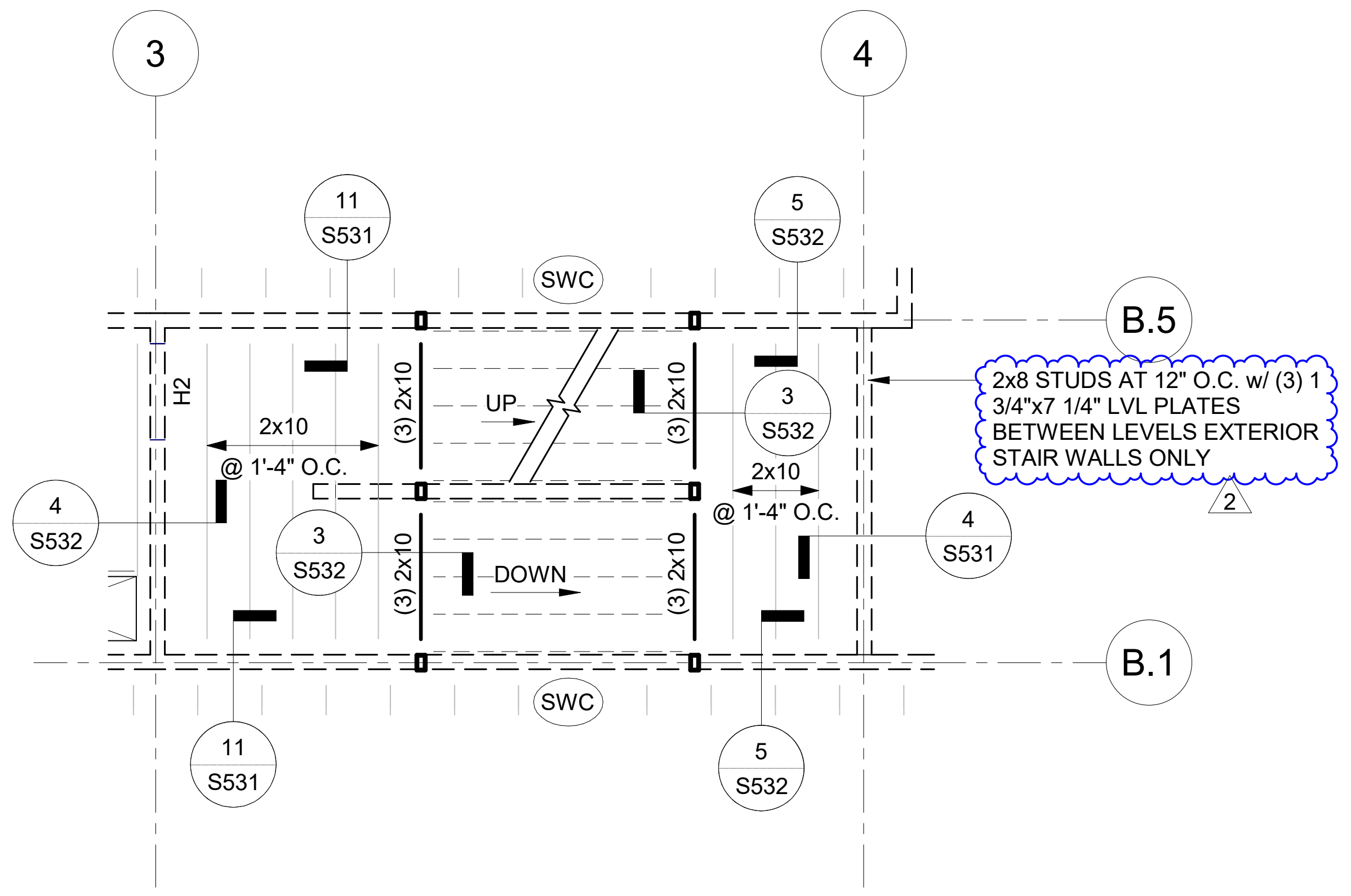
PROJECT NUMBER: 2023000333

SHEET NUMBER:

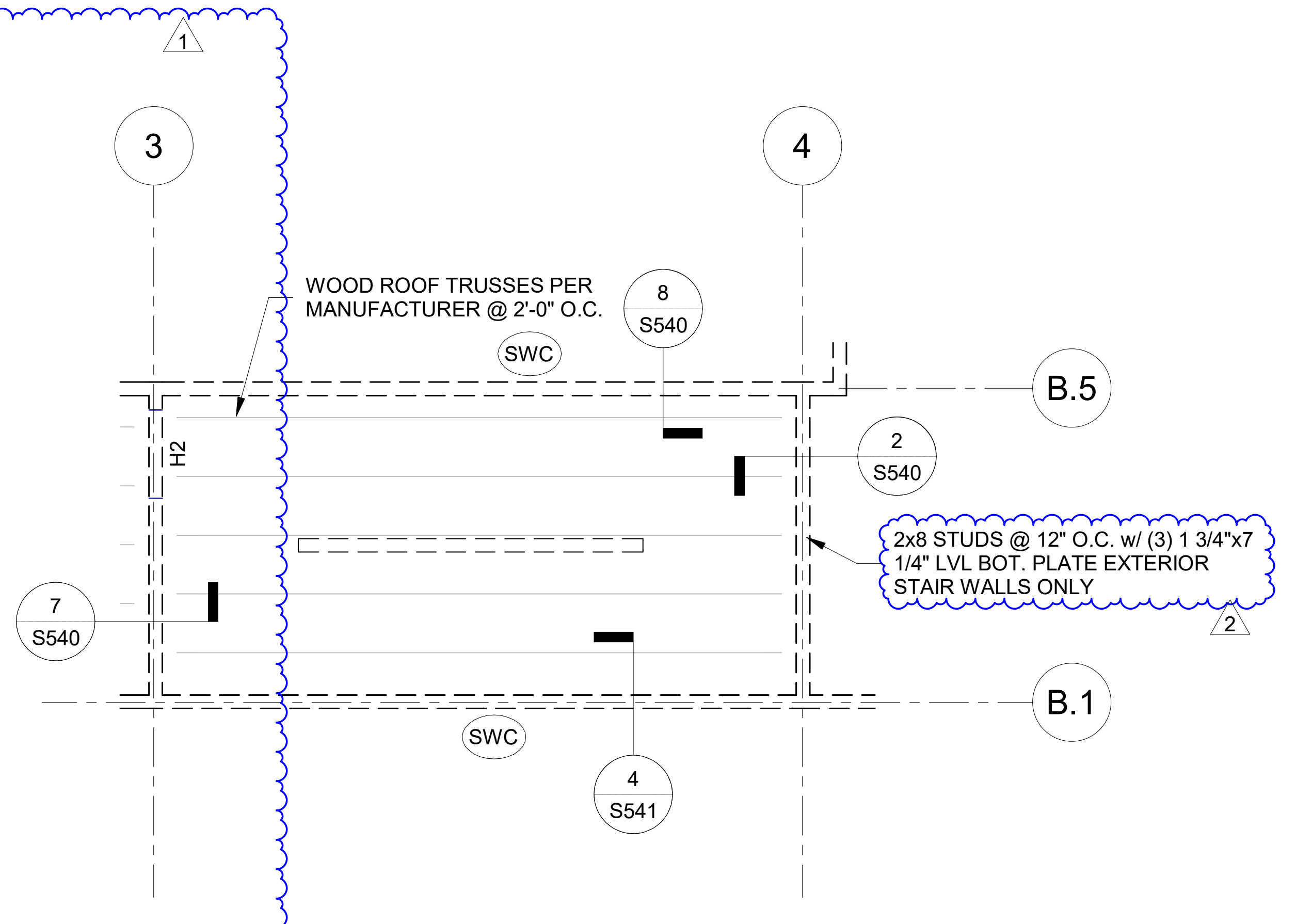
S104



1 S400 SOUTH STAIR TOWER AT LEVEL 2
3/16" = 1'-0"

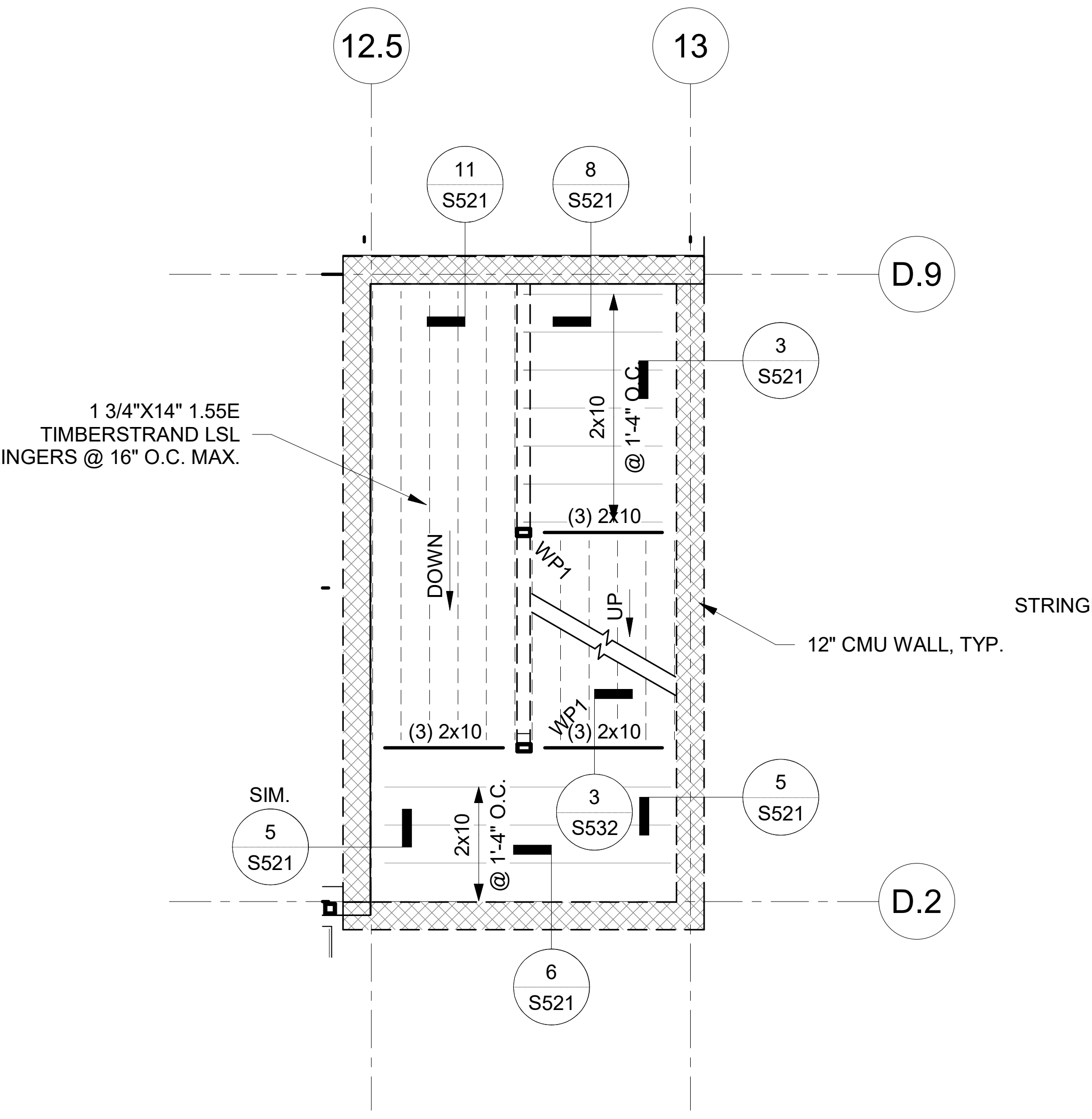


2 S400 SOUTH STAIR TOWER AT LEVEL 3
3/16" = 1'-0"

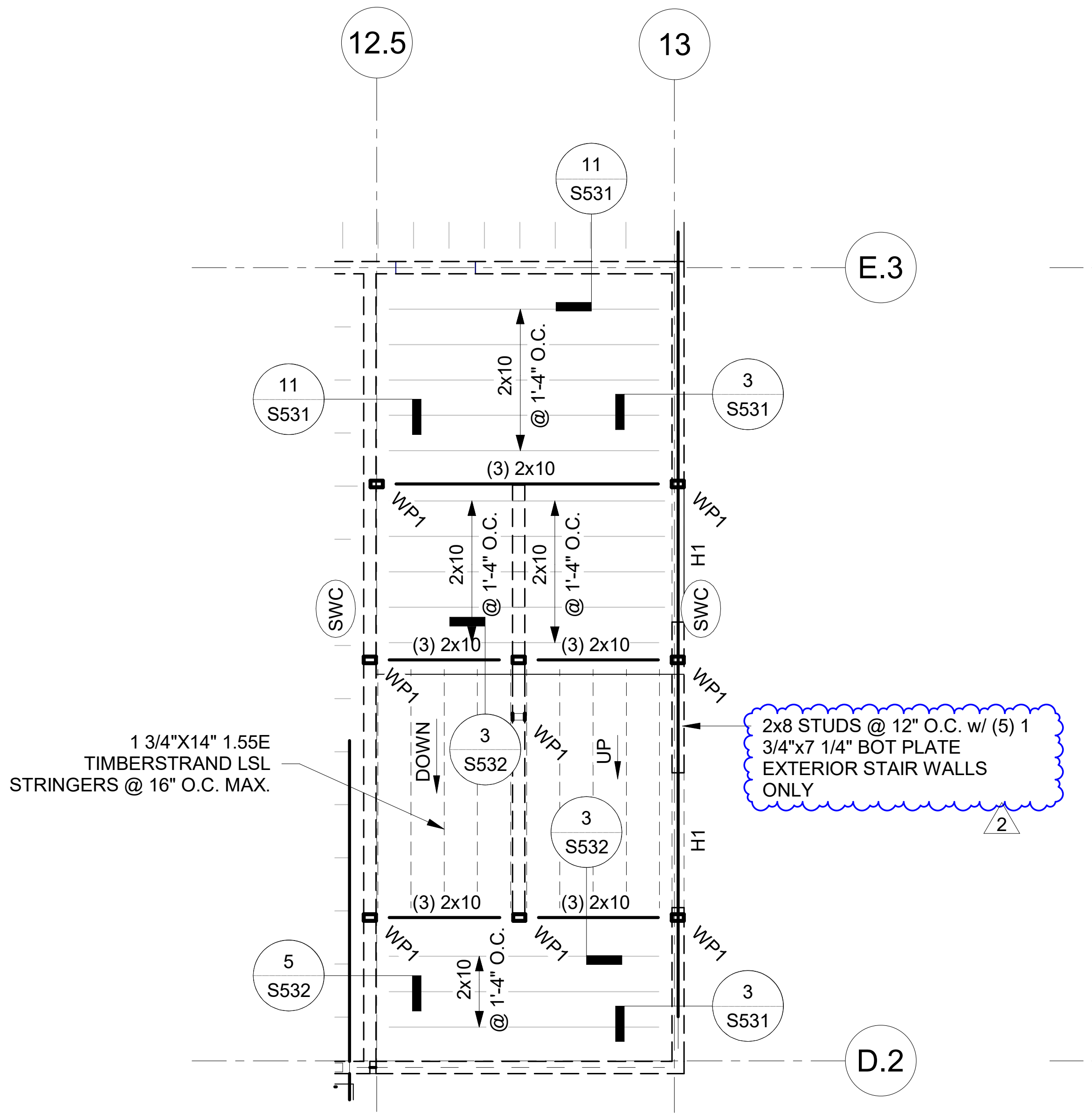

1
3
4
WOOD ROOF TRUSSES PER MANUFACTURER @ 2'-0" O.C.
8 S540
SWC
B.5
H2
2 S540
2x8 STUDS @ 12" O.C. w/ (3) 1 3/4"x7 1/4" LVL BOT. PLATE EXTERIOR STAIR WALLS ONLY
2
7 S540
SWC
4 S541
B.1

3 S400 SOUTH STAIR TOWER AT ROOF
3/16" = 1'-0"

- BALCONY PLANS MOVED TO NEW S560 SERIES SHEETS
- ENLARGED STAIR PLANS MOVED TO THIS SHEET (S400)
- STAIR FRAMING MODIFIED
- SHEET S401 REMOVED



4 S400 EAST STAIR TOWER AT LEVEL 2
3/16" = 1'-0"



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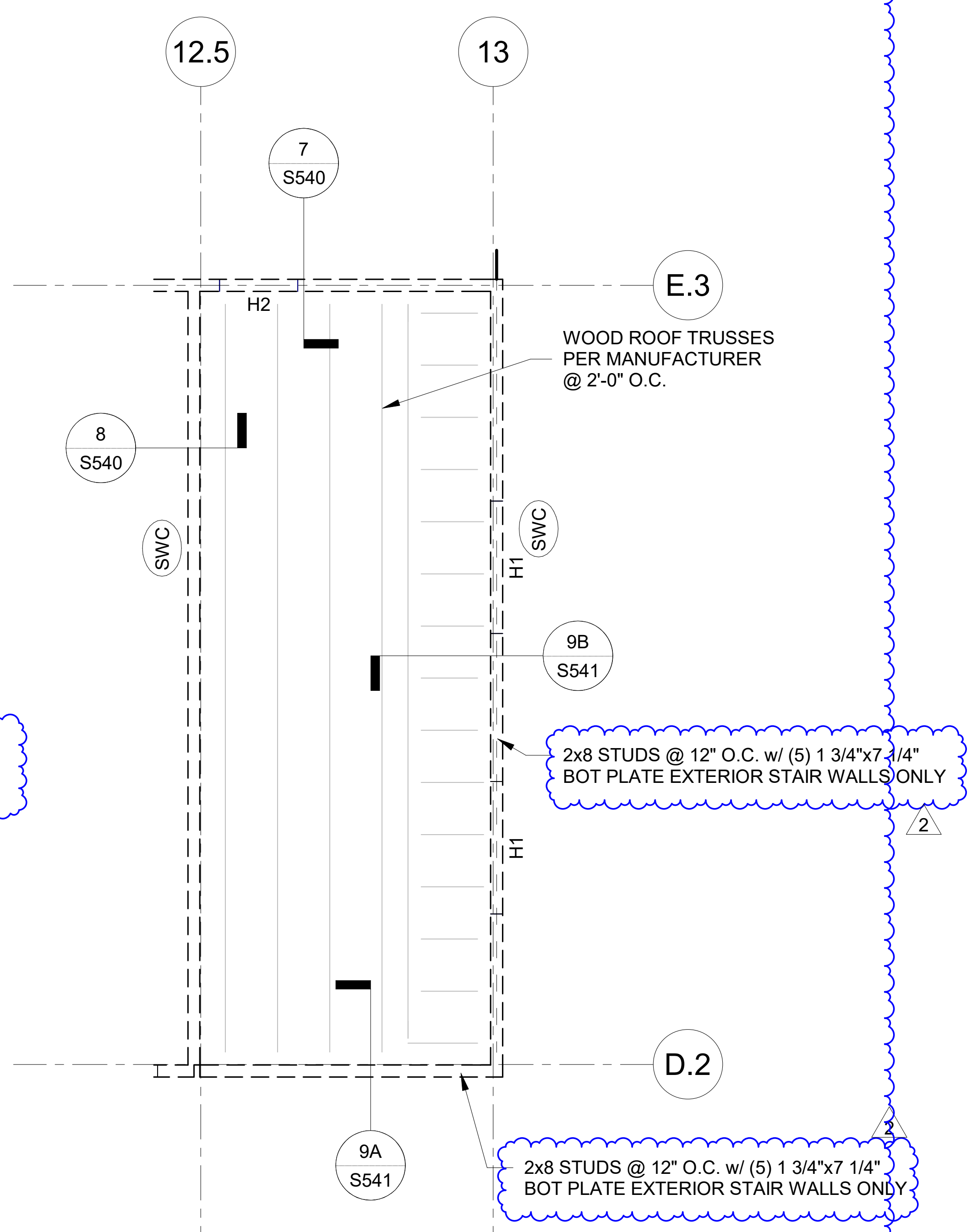
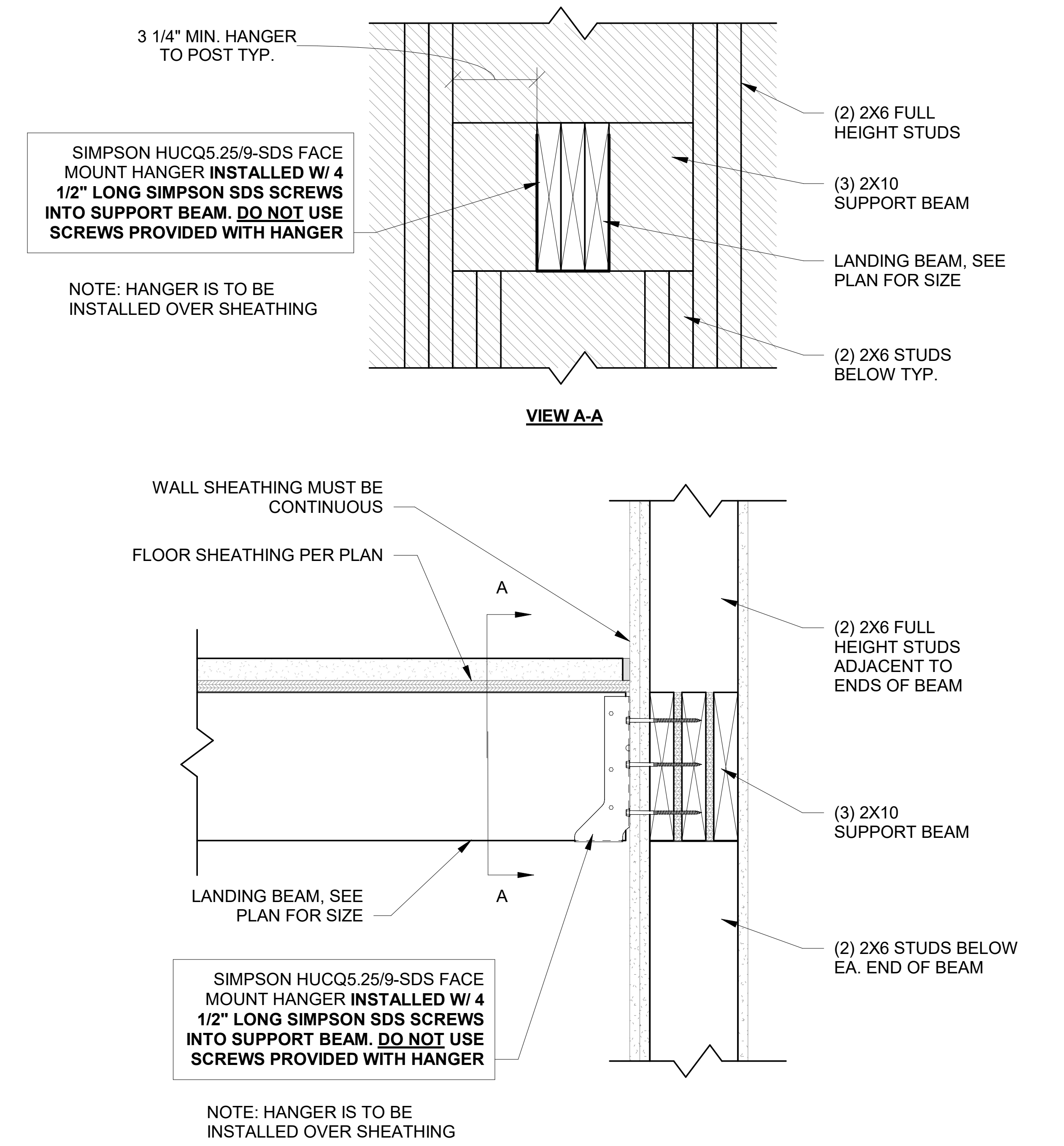
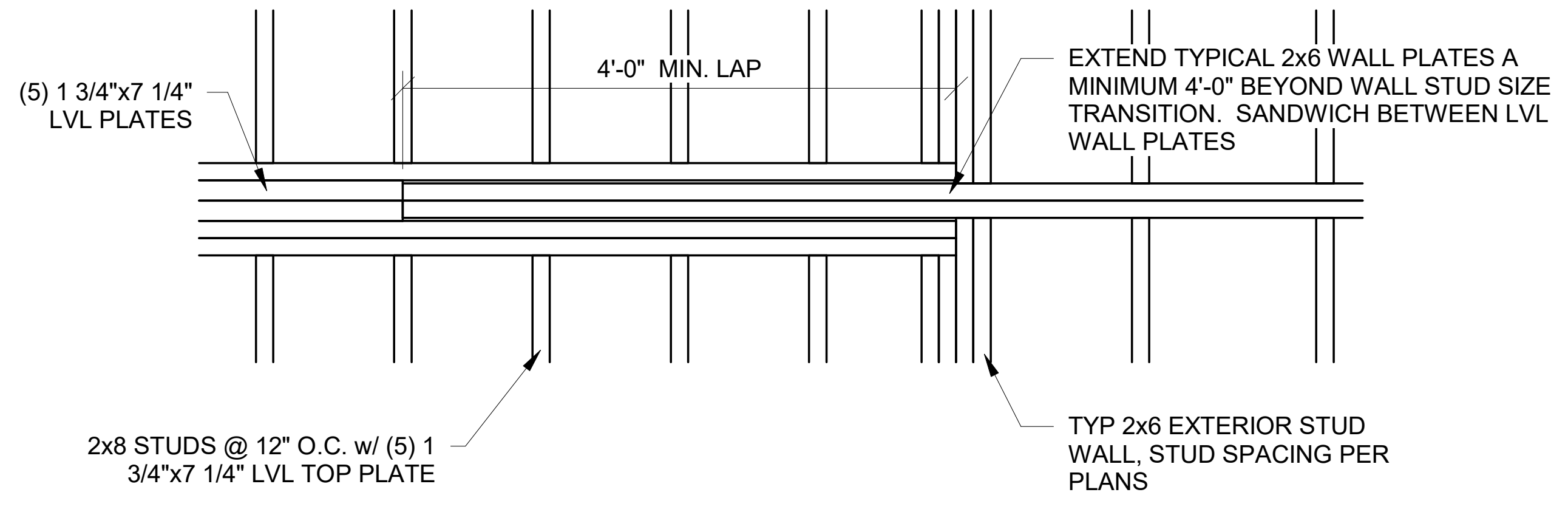
5 S400 EAST STAIR TOWER AT LEVEL 3
3/16" = 1'-0"


12.5
13
7 S540
E.3
H2
WOOD ROOF TRUSSES PER MANUFACTURER @ 2'-0" O.C.
8 S540
SWC
SWC
H1
9B S541
2x8 STUDS @ 12" O.C. w/ (5) 1 3/4"x7 1/4" BOT PLATE EXTERIOR STAIR WALLS ONLY
2
H1
D.2
9A S541
2x8 STUDS @ 12" O.C. w/ (5) 1 3/4"x7 1/4" BOT PLATE EXTERIOR STAIR WALLS ONLY
2

6 S400 EAST STAIR TOWER AT ROOF
3/16" = 1'-0"


3 1/4" MIN. HANGER TO POST TYP.
SIMPSON HUCQ5.25/9-SDS FACE MOUNT HANGER INSTALLED W/ 4 1/2" LONG SIMPSON SDS SCREWS INTO SUPPORT BEAM. DO NOT USE SCREWS PROVIDED WITH HANGER
NOTE: HANGER IS TO BE INSTALLED OVER SHEATHING
(2) 2X6 FULL HEIGHT STUDS
(3) 2X10 SUPPORT BEAM
LANDING BEAM, SEE PLAN FOR SIZE
(2) 2X6 STUDS BELOW TYP.
VIEW A-A
WALL SHEATHING MUST BE CONTINUOUS
FLOOR SHEATHING PER PLAN
A
A
(2) 2X6 FULL HEIGHT STUDS ADJACENT TO ENDS OF BEAM
(3) 2X10 SUPPORT BEAM
LANDING BEAM, SEE PLAN FOR SIZE
(2) 2X6 STUDS BELOW EA. END OF BEAM
SIMPSON HUCQ5.25/9-SDS FACE MOUNT HANGER INSTALLED W/ 4 1/2" LONG SIMPSON SDS SCREWS INTO SUPPORT BEAM. DO NOT USE SCREWS PROVIDED WITH HANGER
NOTE: HANGER IS TO BE INSTALLED OVER SHEATHING

7 S400 STAIR INTERMEDIATE LANDING BEAM TO SUPPORT BEAM
1 1/2" = 1'-0"


4'-0" MIN. LAP
(5) 1 3/4"x7 1/4" LVL PLATES
EXTEND TYPICAL 2x6 WALL PLATES A MINIMUM 4'-0" BEYOND WALL STUD SIZE TRANSITION. SANDWICH BETWEEN LVL WALL PLATES
2x8 STUDS @ 12" O.C. w/ (5) 1 3/4"x7 1/4" LVL TOP PLATE
TYP 2x6 EXTERIOR STUD WALL, STUD SPACING PER PLANS

8 S400 STAIR FRAMING SECTION
3/4" = 1'-0"

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THE VILLAGE AT DISCOVERY - LOT 4

1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
ENLARGED VIEWS

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S400

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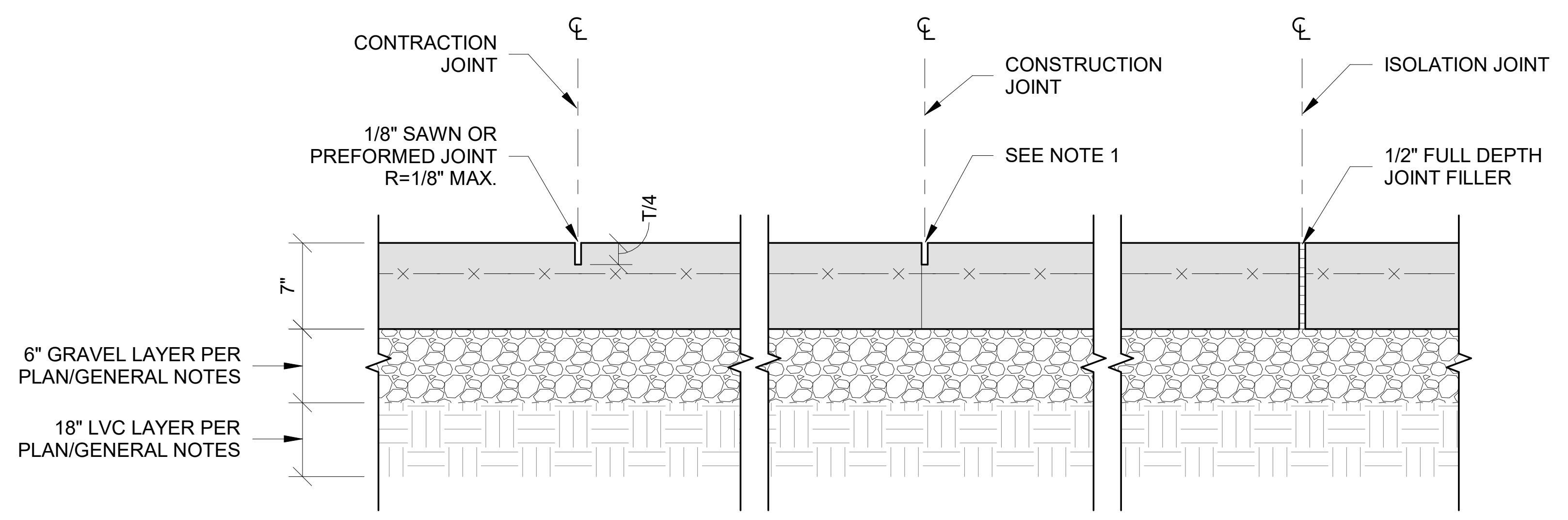
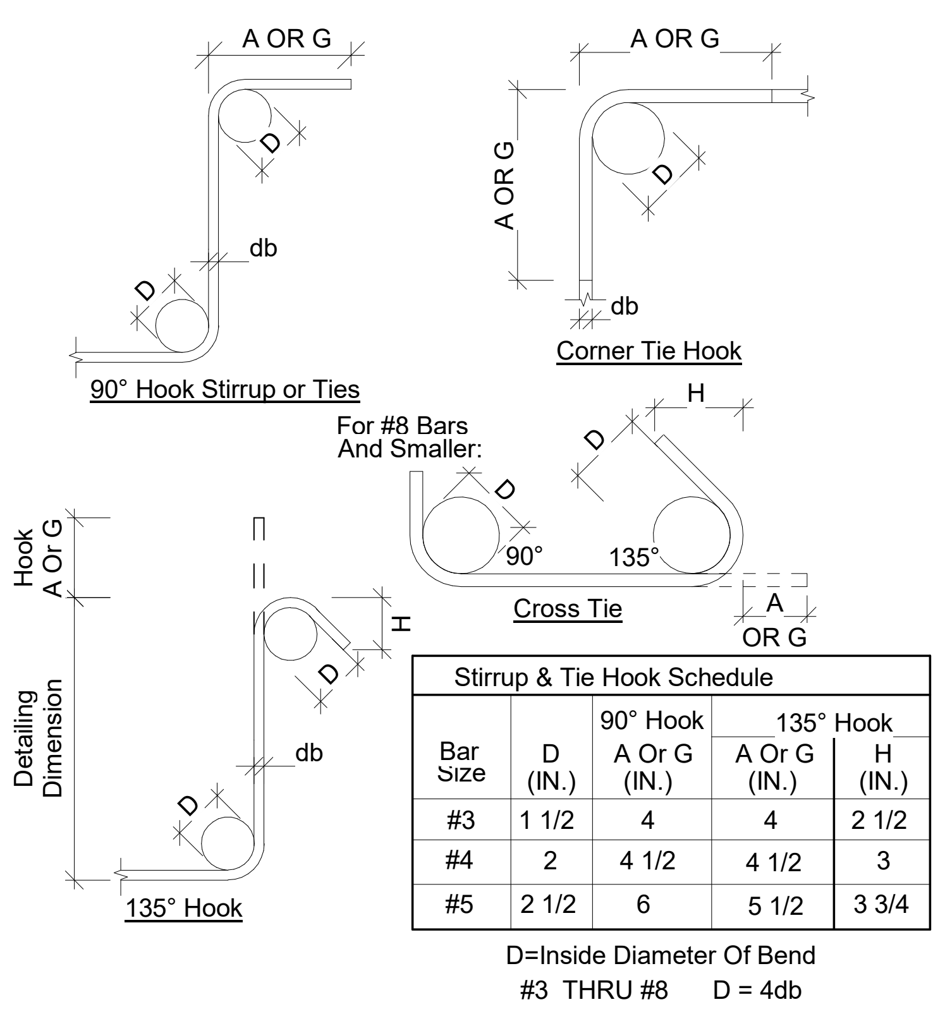

CONTRACTION JOINT
1/8" SAWN OR PREFORMED JOINT R=1/8" MAX.
T/4
CONSTRUCTION JOINT
SEE NOTE 1
ISOLATION JOINT
1/2" FULL DEPTH JOINT FILLER
T
6" GRAVEL LAYER PER PLAN/GENERAL NOTES
18" LVC LAYER PER PLAN/GENERAL NOTES

NOTES:
1. LOCATE CONSTRUCTION JOINTS AT SAW JOINT LOCATIONS. MATCH SAW JOINT PROFILE. ALL CONSTRUCTION JOINT LOCATIONS TO BE REVIEWED AND APPROVED BY EOR PRIOR TO CONSTRUCTION.
2. MAXIMUM SPACING BETWEEN SAW JOINTS = 15'-0" FOR 6" SLABS & 10'-0" FOR 4" SLABS. SEE PLAN FOR LOCATIONS.
3. CONTINUE SLAB ON GRADE REINFORCING, UNO. PROVIDE TENSION LAP SPLICE AS REQUIRED.
4. DO NOT PLACE DOWELS WITHIN 12" OF A SLAB CORNER.

1 TYPICAL SLAB-ON-GRADE JOINTS
S500 1" = 1'-0"



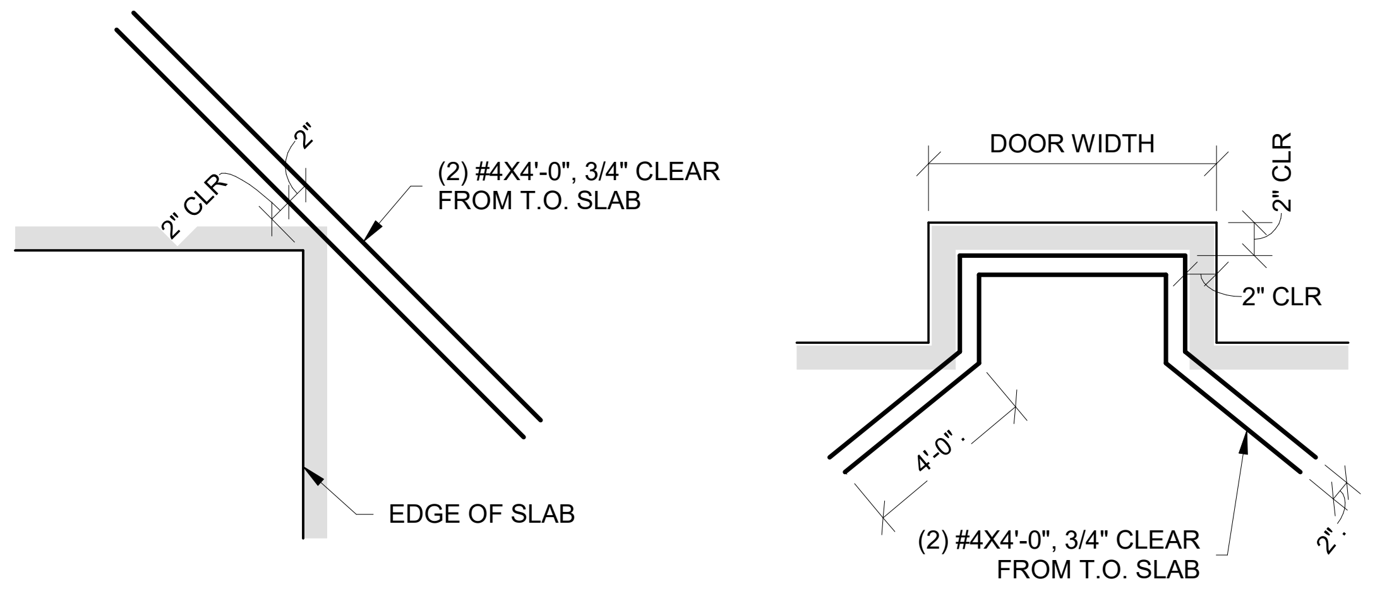
Stirrup & Tie Hook Schedule				
		90° Hook	135° Hook	
Bar Size	D (IN.)	A Or G (IN.)	A Or G (IN.)	H (IN.)
#3	1 1/2	4	4	2 1/2
#4	2	4 1/2	4 1/2	3
#5	2 1/2	6	5 1/2	3 3/4

D=Inside Diameter Of Bend
#3 THRU #8 D = 4db

2 BAR BENDING DETAIL
S500 3/4" = 1'-0"

- TYPICAL WOOD FRAMING DETAILS CONSOLIDATED AND MOVED TO SHEET (S530)
- DEEP FOUNDATION DETAILS REPLACED WITH NEW SHALLOW FOUNDATION DETAILS

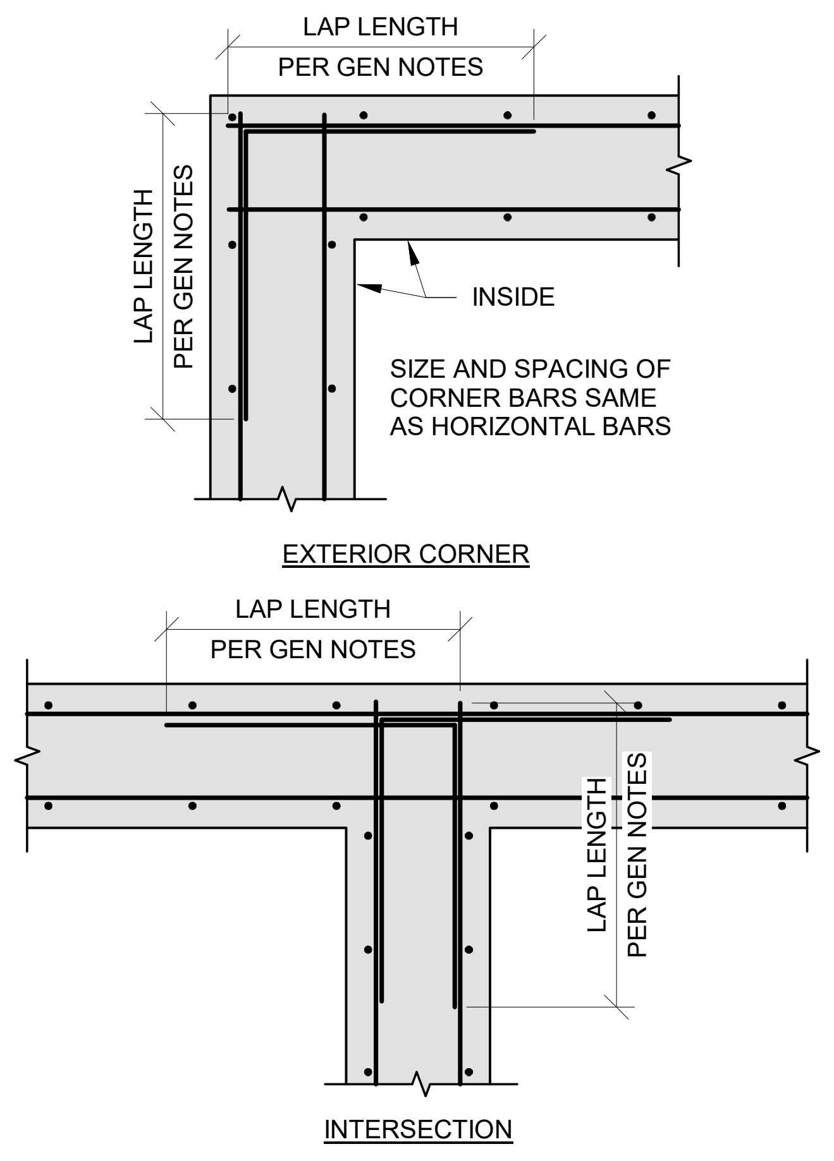
1


2" CLR
2'
(2) #4X4'-0", 3/4" CLEAR FROM T.O. SLAB
EDGE OF SLAB
DOOR WIDTH
2" CLR
2" CLR
4'-0"
(2) #4X4'-0", 3/4" CLEAR FROM T.O. SLAB
2'

RE-ENTRANT CORNERS

THRESHOLDS

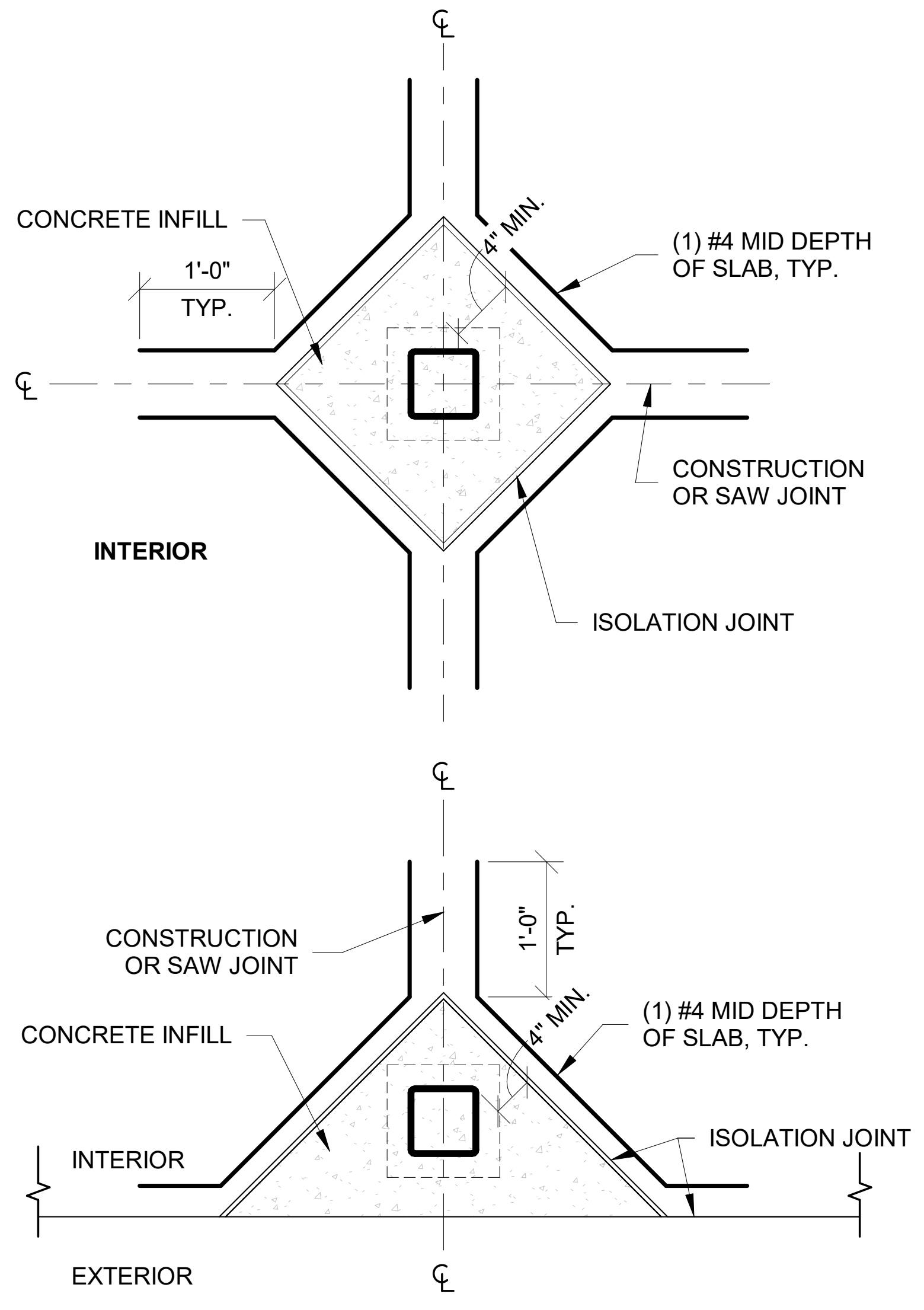
3 ADDITIONAL REINFORCING IN SLABS
S500 3/4" = 1'-0"



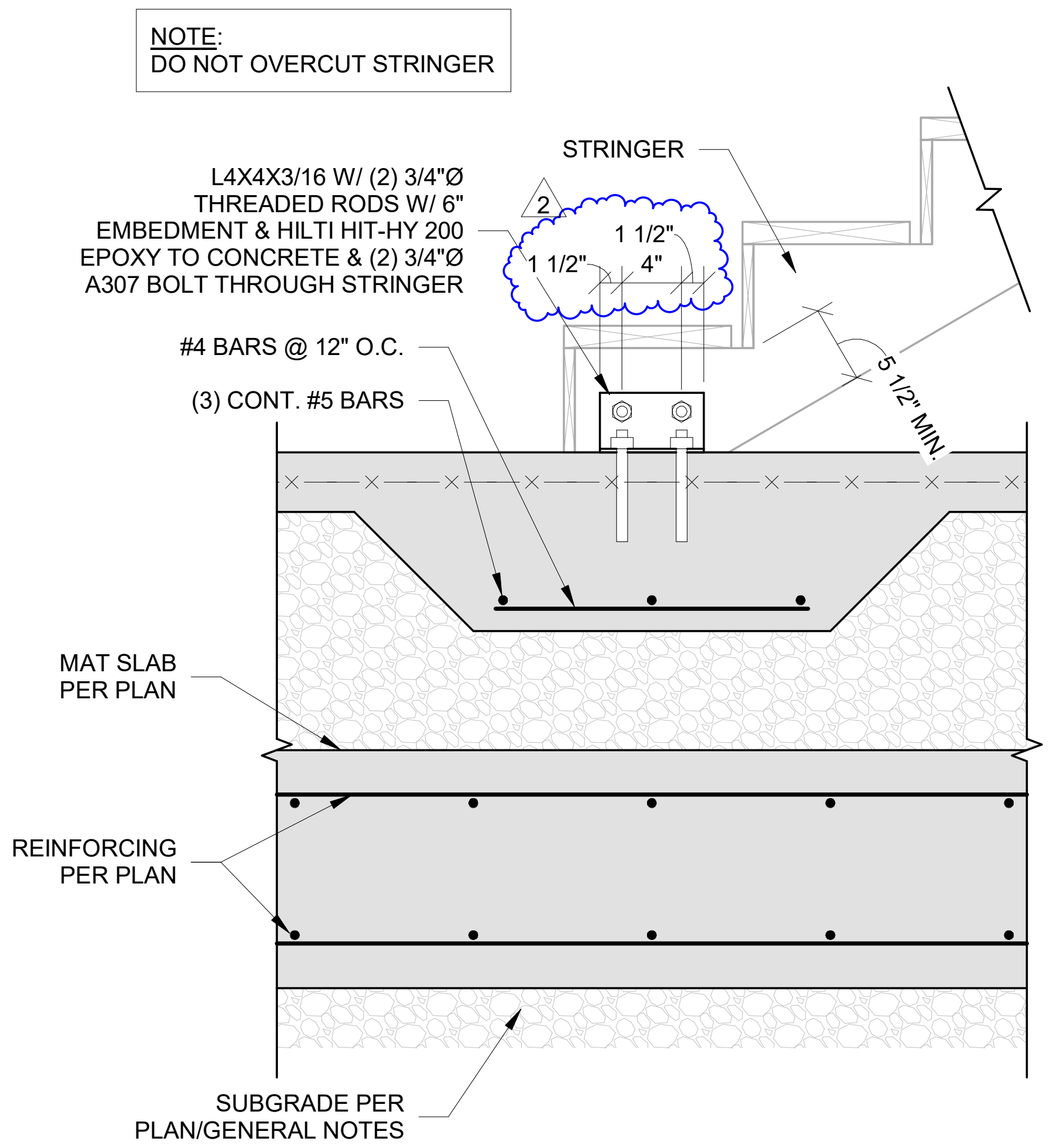
EXTERIOR CORNER

INTERSECTION

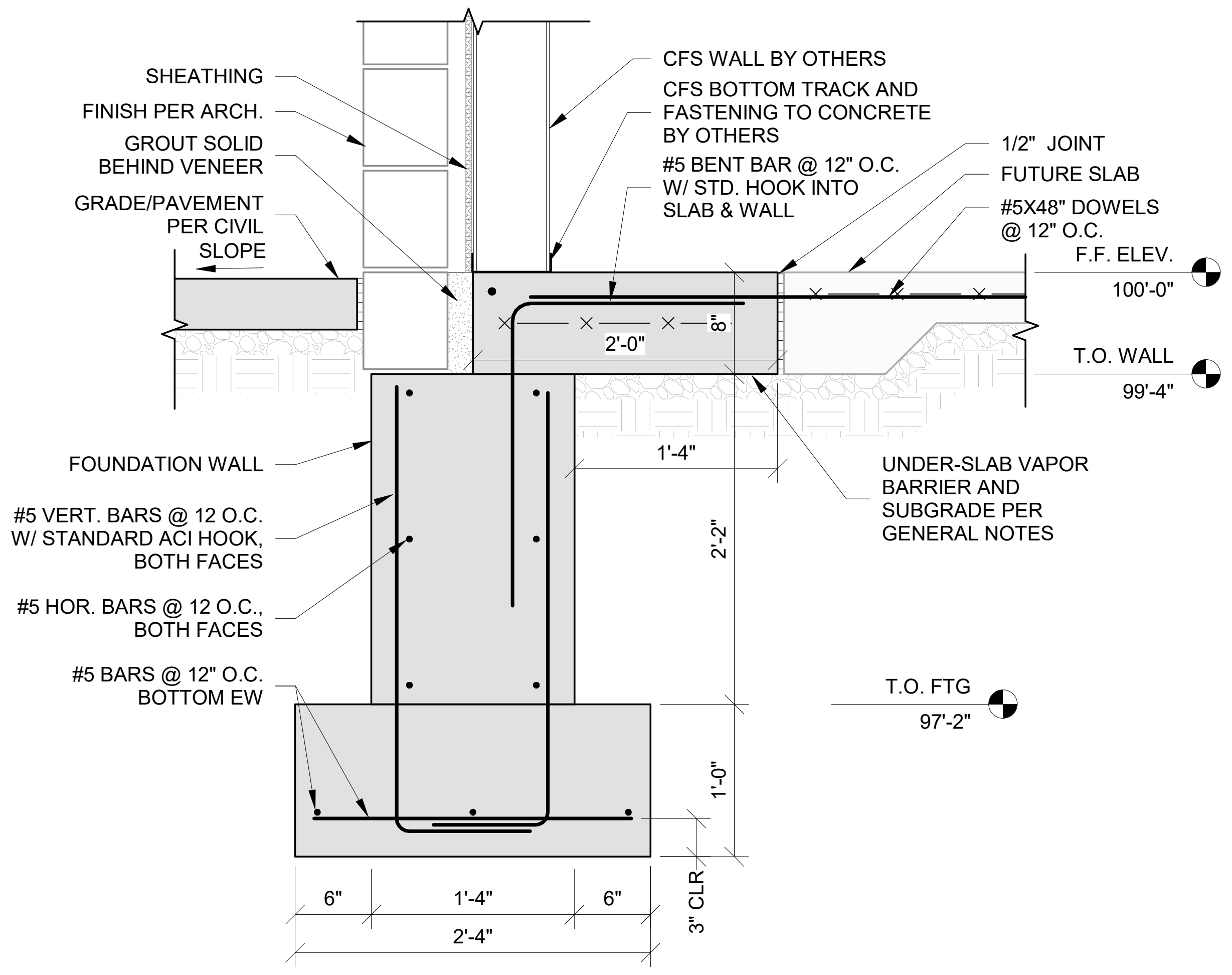
4 CORNER BAR DETAIL
S500 3/4" = 1'-0"



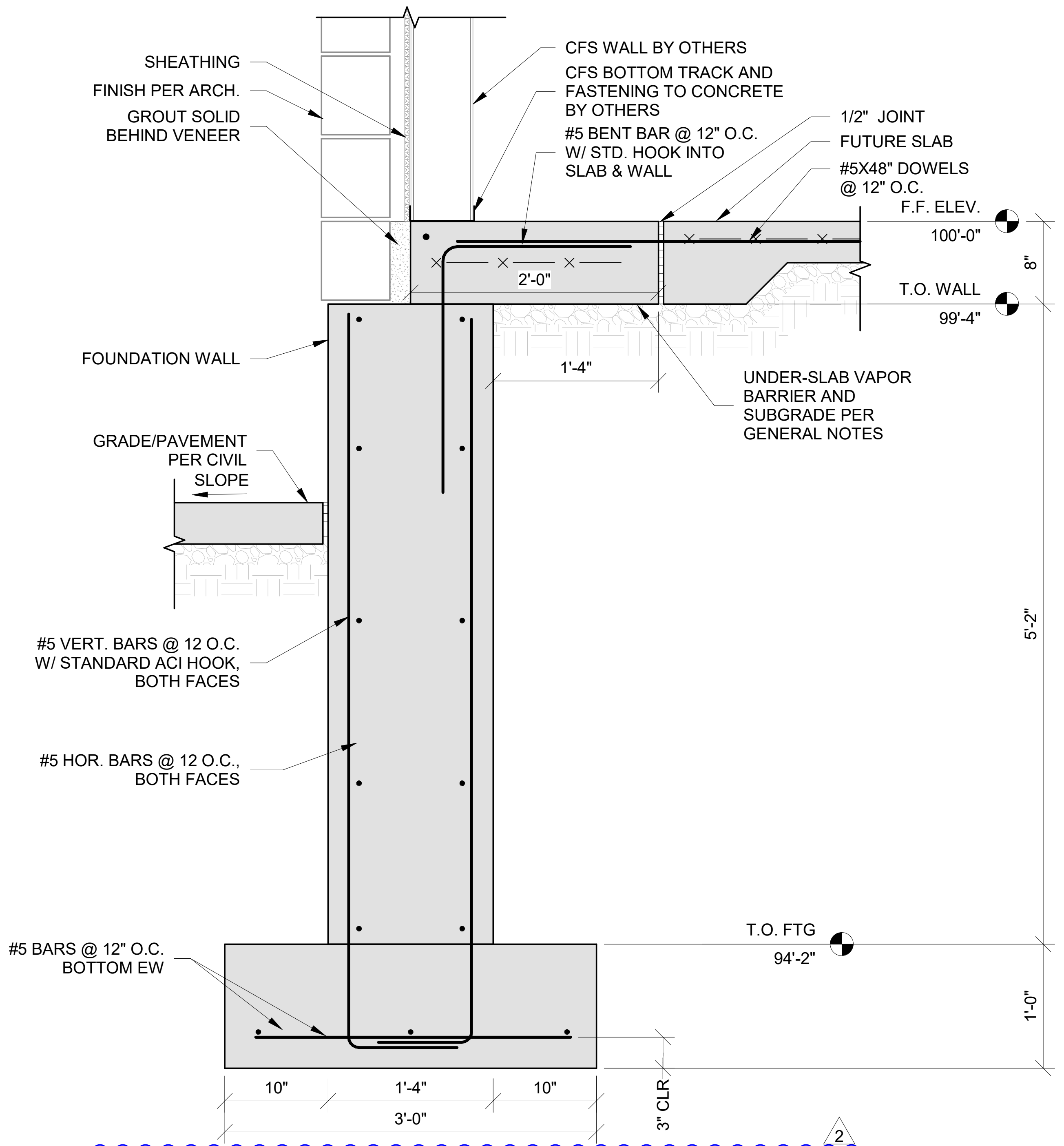
5 SLAB ON GRADE ISOLATION JOINT AT COLUMNS
S500 3/4" = 1'-0"


NOTE:
DO NOT OVERCUT STRINGER
L4X4X3/16 W/ (2) 3/4"Ø THREADED RODS W/ 6" EMBEDMENT & HILTI HIT-HY 200 EPOXY TO CONCRETE & (2) 3/4"Ø A307 BOLT THROUGH STRINGER
STRINGER
2
1 1/2"
1 1/2" 4"
5 1/2" MIN.
#4 BARS @ 12" O.C.
(3) CONT. #5 BARS
MAT SLAB PER PLAN
REINFORCING PER PLAN
SUBGRADE PER PLAN/GENERAL NOTES

6 STAIR TO THICKENED SLAB
S500 1" = 1'-0"

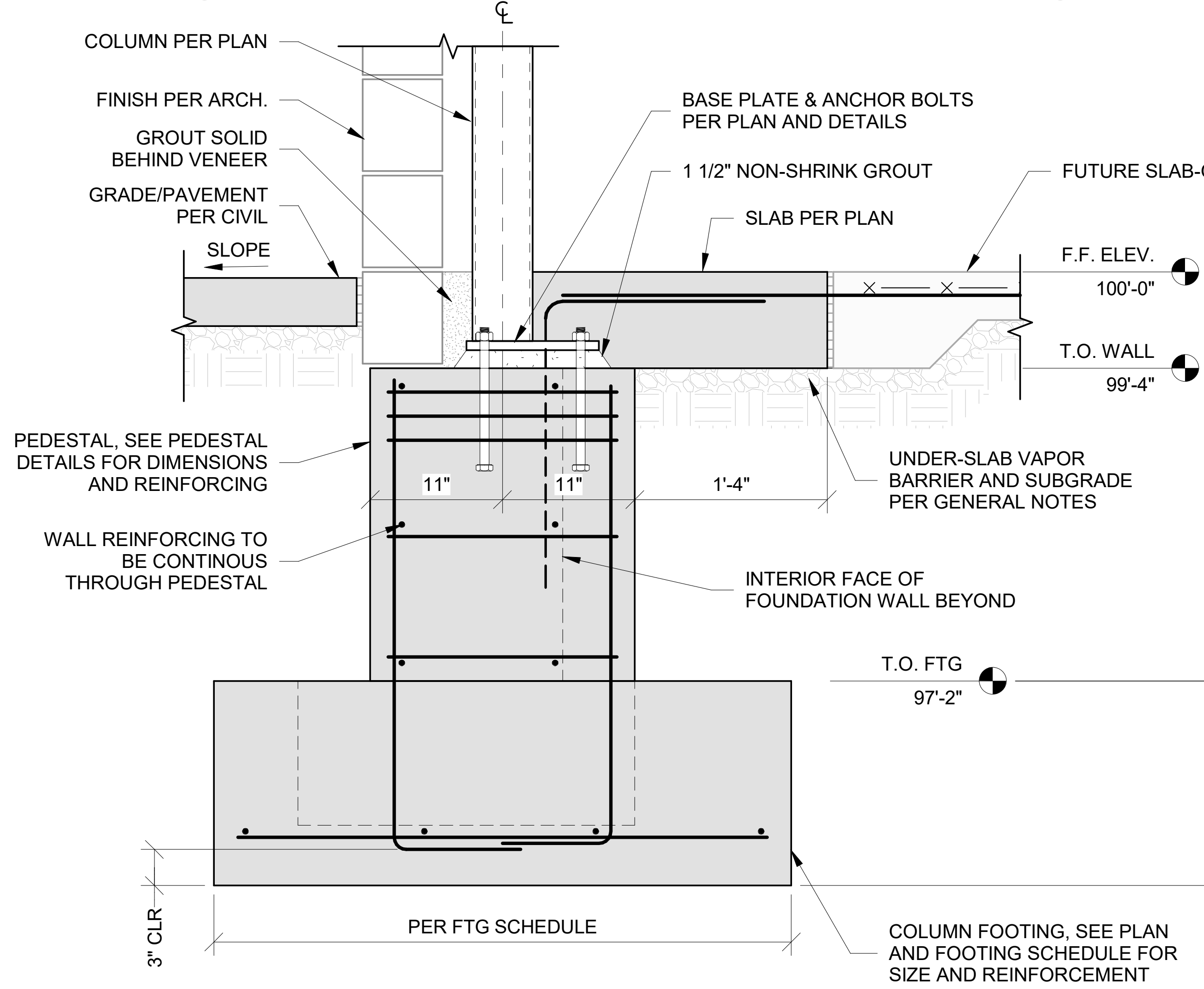

SHEATHING
FINISH PER ARCH.
GROUT SOLID BEHIND VENEER
GRADE/PAVEMENT PER CIVIL
SLOPE
CFS WALL BY OTHERS
CFS BOTTOM TRACK AND FASTENING TO CONCRETE BY OTHERS
#5 BENT BAR @ 12" O.C. W/ STD. HOOK INTO SLAB & WALL
1/2" JOINT
FUTURE SLAB
#5X48" DOWELS @ 12" O.C.
F.F. ELEV.
100'-0"
T.O. WALL
99'-4"
8"
2'-0"
1'-4"
UNDER-SLAB VAPOR BARRIER AND SUBGRADE PER GENERAL NOTES
FOUNDATION WALL
#5 VERT. BARS @ 12 O.C. W/ STANDARD ACI HOOK, BOTH FACES
#5 HOR. BARS @ 12 O.C., BOTH FACES
#5 BARS @ 12" O.C. BOTTOM EW
2'-2"
T.O. FTG
97'-2"
1'-0"
6"
1'-4"
6"
2'-4"
3" CLR

7 EXTERIOR WALL (NOT AT PARKING GARAGE)
S500 1" = 1'-0"

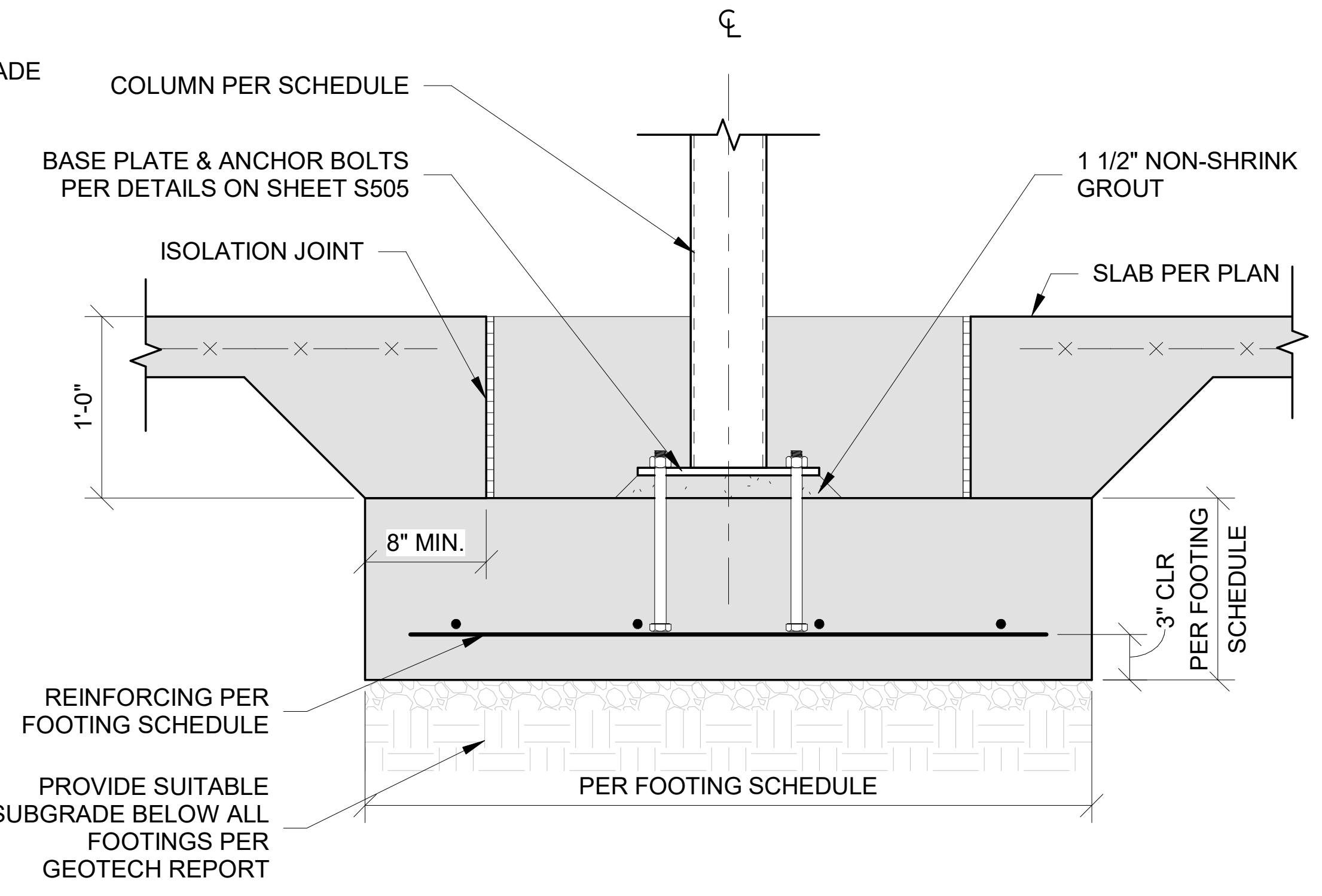

SHEATHING
FINISH PER ARCH.
GROUT SOLID BEHIND VENEER
CFS WALL BY OTHERS
CFS BOTTOM TRACK AND FASTENING TO CONCRETE BY OTHERS
#5 BENT BAR @ 12" O.C. W/ STD. HOOK INTO SLAB & WALL
1/2" JOINT
FUTURE SLAB
#5X48" DOWELS @ 12" O.C.
F.F. ELEV.
100'-0"
T.O. WALL
99'-4"
8"
2'-0"
1'-4"
FOUNDATION WALL
GRADE/PAVEMENT PER CIVIL
SLOPE
UNDER-SLAB VAPOR BARRIER AND SUBGRADE PER GENERAL NOTES
5'-2"
#5 VERT. BARS @ 12 O.C. W/ STANDARD ACI HOOK, BOTH FACES
#5 HOR. BARS @ 12 O.C., BOTH FACES
T.O. FTG
94'-2"
#5 BARS @ 12" O.C. BOTTOM EW
1'-0"
10"
1'-4"
10"
3'-0"
3" CLR

2

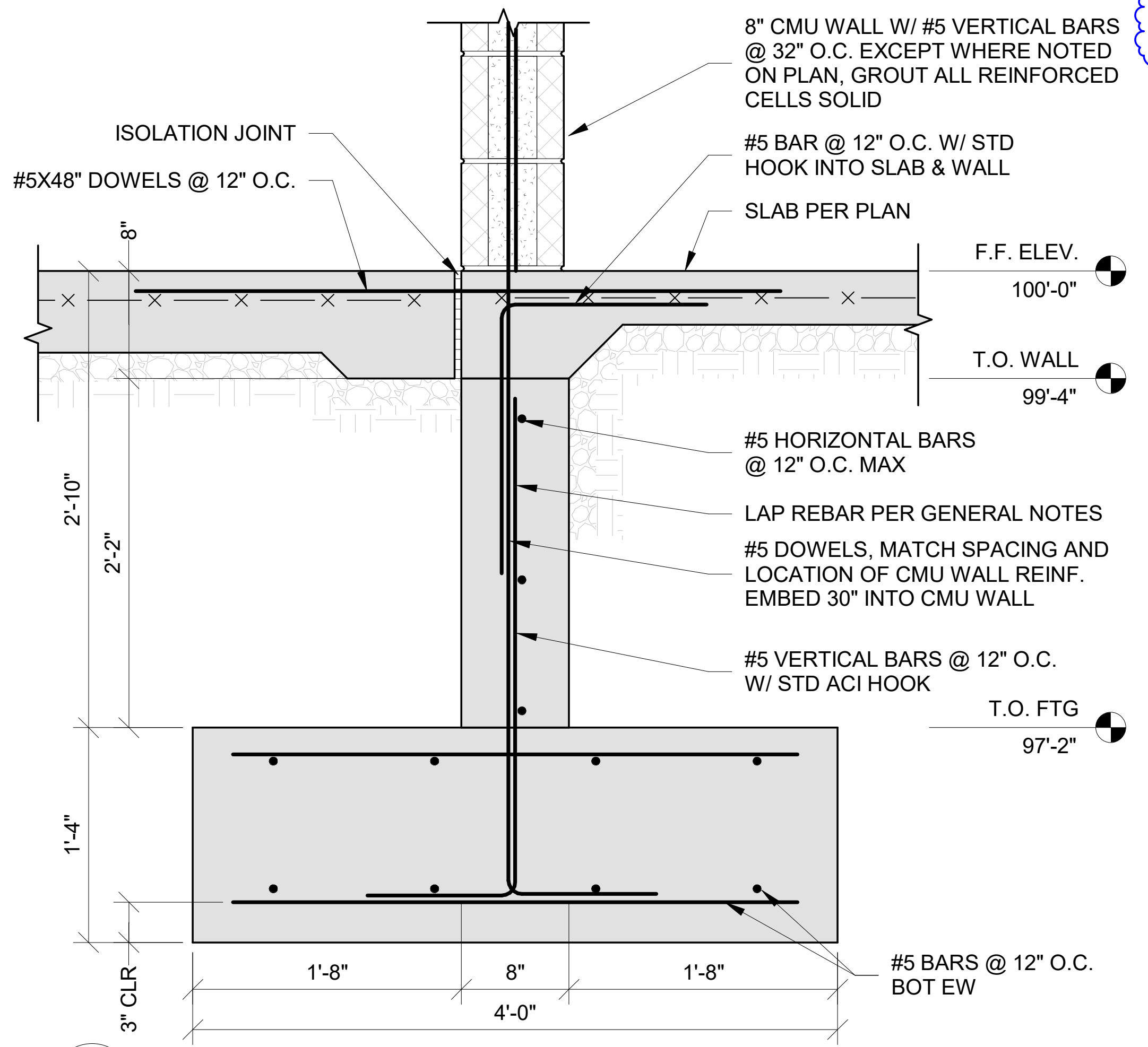
7B EXTERIOR WALL AT FOOTING STEP (NOT AT PARKING GARAGE)
S500 1" = 1'-0"


COLUMN PER PLAN
FINISH PER ARCH.
GROUT SOLID BEHIND VENEER
GRADE/PAVEMENT PER CIVIL
SLOPE
BASE PLATE & ANCHOR BOLTS PER PLAN AND DETAILS
1 1/2" NON-SHRINK GROUT
SLAB PER PLAN
FUTURE SLAB-ON-GRADE
F.F. ELEV.
100'-0"
T.O. WALL
99'-4"
8"
PEDESTAL, SEE PEDESTAL DETAILS FOR DIMENSIONS AND REINFORCING
11"
11"
1'-4"
UNDER-SLAB VAPOR BARRIER AND SUBGRADE PER GENERAL NOTES
WALL REINFORCING TO BE CONTINOUS THROUGH PEDESTAL
INTERIOR FACE OF FOUNDATION WALL BEYOND
2'-2"
T.O. FTG
97'-2"
PER FTG SCHED
3" CLR
PER FTG SCHEDULE
COLUMN FOOTING, SEE PLAN AND FOOTING SCHEDULE FOR SIZE AND REINFORCEMENT

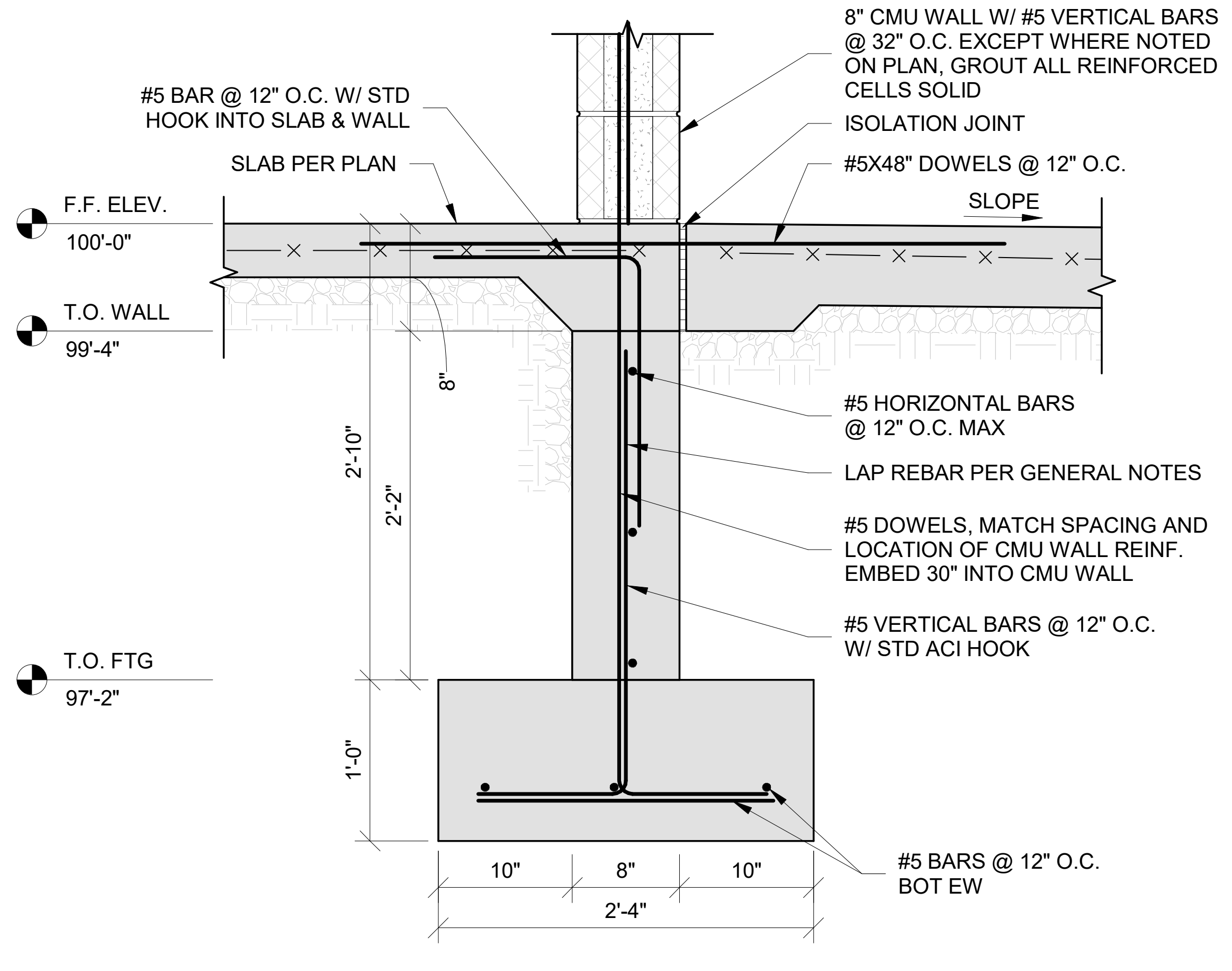
8 EXTERIOR WALL AT COLUMN PEDESTAL (NOT AT PARKING GARAGE)
S500 1" = 1'-0"


℄
COLUMN PER SCHEDULE
BASE PLATE & ANCHOR BOLTS PER PLATE DETAILS ON SHEET S505
ISOLATION JOINT
1 1/2" NON-SHRINK GROUT
SLAB PER PLAN
1'-0"
8" MIN.
3" CLR
PER FOOTING SCHEDULE
REINFORCING PER FOOTING SCHEDULE
PROVIDE SUITABLE SUBGRADE BELOW ALL FOOTINGS PER GEOTECH REPORT
PER FOOTING SCHEDULE

9 SECTION AT COLUMN FOOTING
S500 1" = 1'-0"


8" CMU WALL W/ #5 VERTICAL BARS @ 32" O.C. EXCEPT WHERE NOTED ON PLAN, GROUT ALL REINFORCED CELLS SOLID
ISOLATION JOINT
#5X48" DOWELS @ 12" O.C.
#5 BAR @ 12" O.C. W/ STD HOOK INTO SLAB & WALL
SLAB PER PLAN
F.F. ELEV.
100'-0"
T.O. WALL
99'-4"
8"
#5 HORIZONTAL BARS @ 12" O.C. MAX
LAP REBAR PER GENERAL NOTES
#5 DOWELS, MATCH SPACING AND LOCATION OF CMU WALL REINF. EMBED 30" INTO CMU WALL
#5 VERTICAL BARS @ 12" O.C. W/ STD ACI HOOK
2'-10"
2'-2"
T.O. FTG
97'-2"
1'-4"
3" CLR
1'-8"
8"
1'-8"
4'-0"
#5 BARS @ 12" O.C. BOT EW

10 FOUNDATION SECTION AT FIREWALL
S500 1" = 1'-0"


8" CMU WALL W/ #5 VERTICAL BARS @ 32" O.C. EXCEPT WHERE NOTED ON PLAN, GROUT ALL REINFORCED CELLS SOLID
#5 BAR @ 12" O.C. W/ STD HOOK INTO SLAB & WALL
ISOLATION JOINT
SLAB PER PLAN
#5X48" DOWELS @ 12" O.C.
SLOPE
F.F. ELEV.
100'-0"
T.O. WALL
99'-4"
8"
#5 HORIZONTAL BARS @ 12" O.C. MAX
LAP REBAR PER GENERAL NOTES
#5 DOWELS, MATCH SPACING AND LOCATION OF CMU WALL REINF. EMBED 30" INTO CMU WALL
#5 VERTICAL BARS @ 12" O.C. W/ STD ACI HOOK
2'-10"
2'-2"
T.O. FTG
97'-2"
1'-0"
10"
8"
10"
2'-4"
#5 BARS @ 12" O.C. BOT EW

11 SECTION BETWEEN GARAGE & AMENITY AREAS
S500 1" = 1'-0"

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2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

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2001 W Broadway
Columbia, MO 65203
P 573-814-1568

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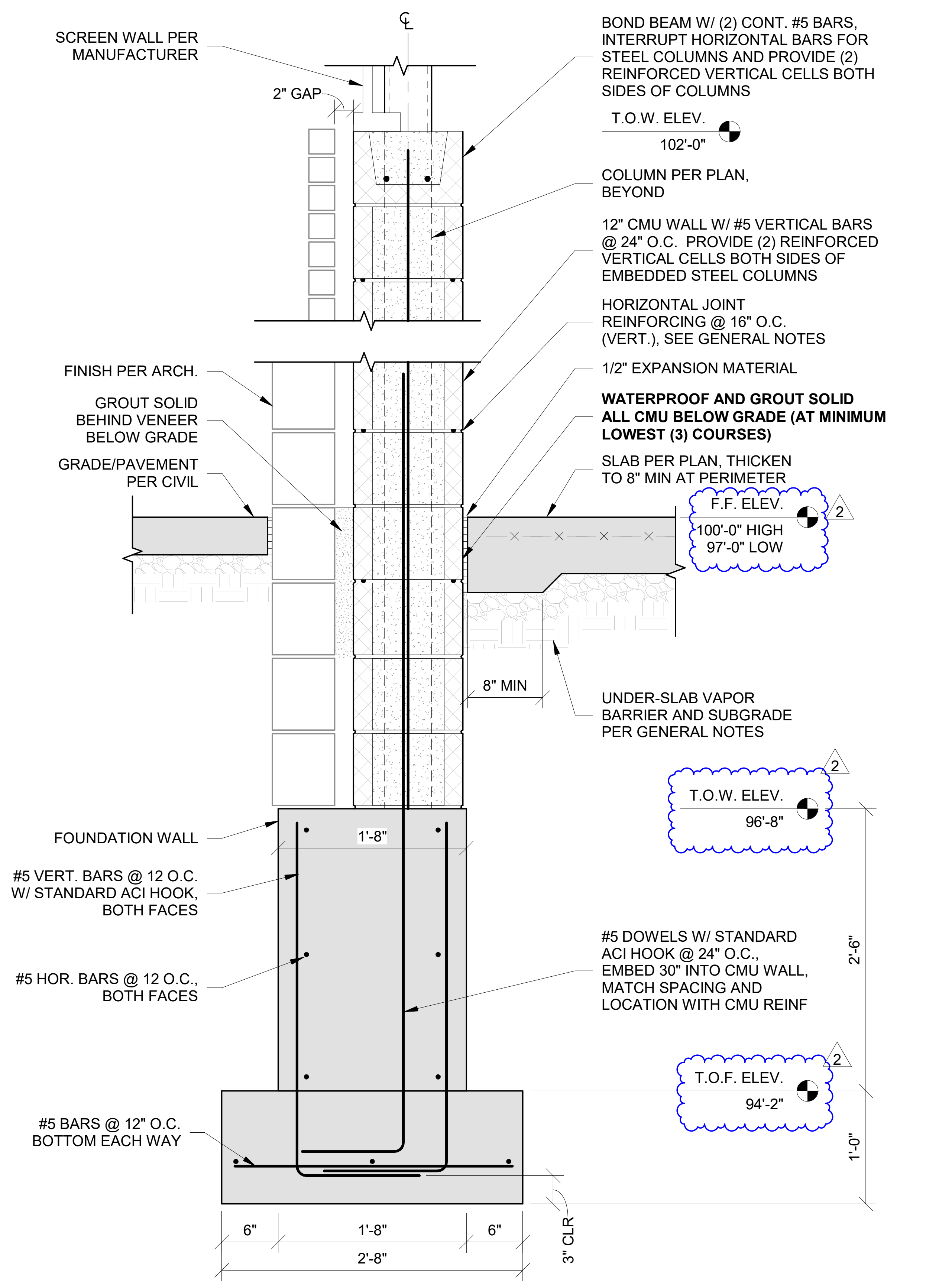
MISSOURI CERTIFICATE OF AUTHORITY
NO. E-2006023253
EXPIRES: DECEMBER 31, 2024

THE VILLAGE AT DISCOVERY - LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

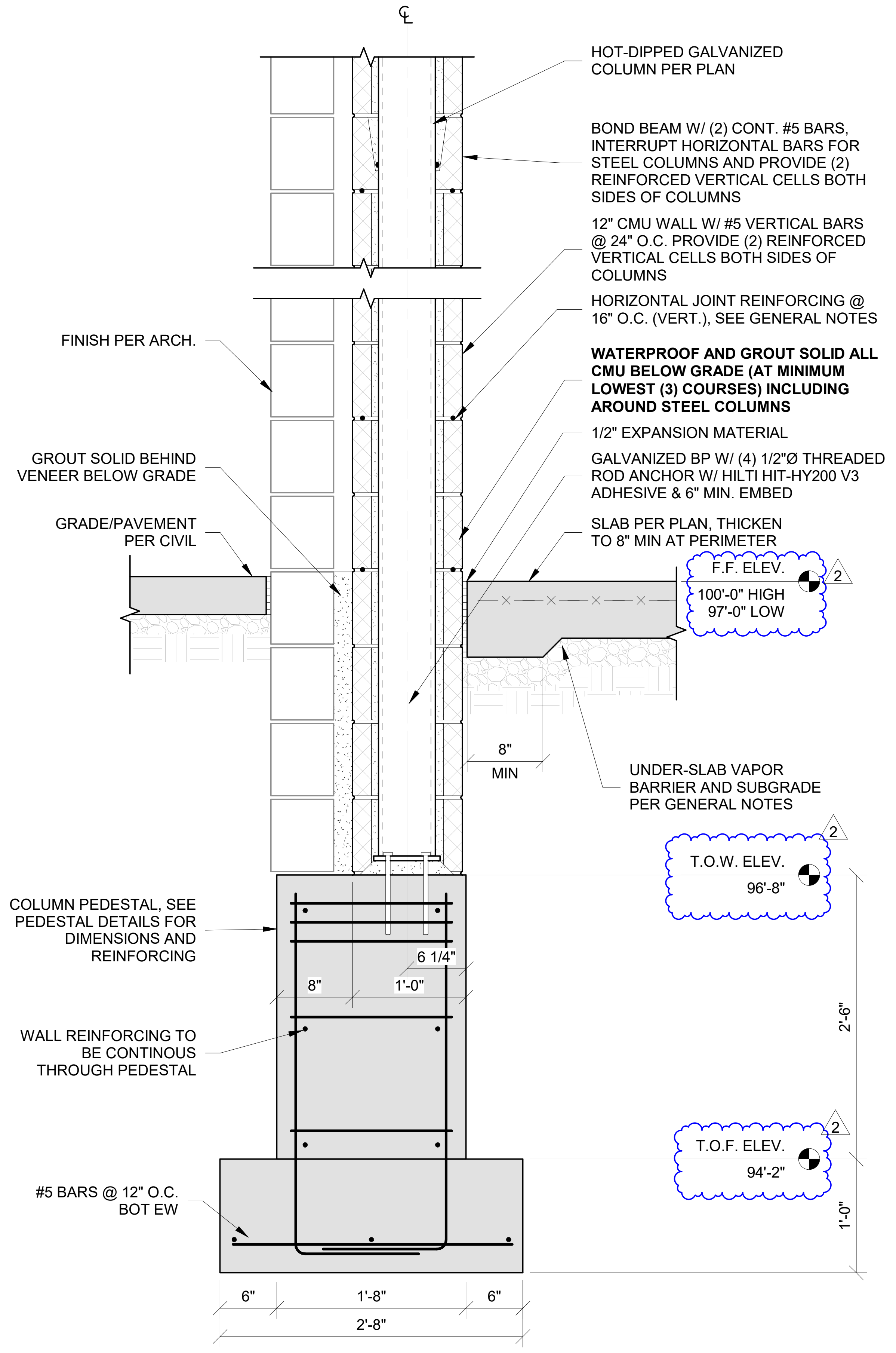
SHEET TITLE
FOUNDATION DETAILS

PROJECT NUMBER: 2023000333

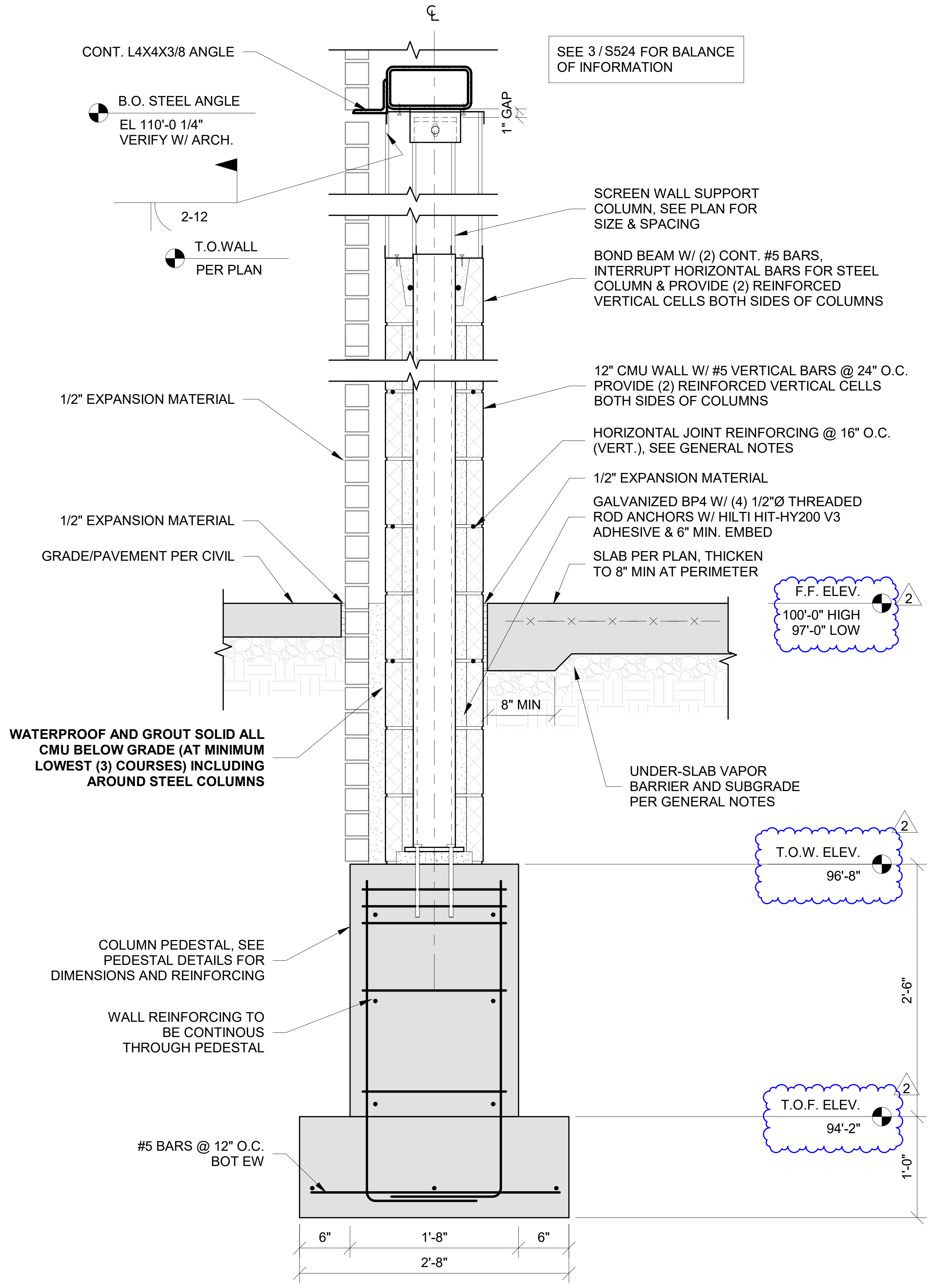
SHEET NUMBER:
S500


SCREEN WALL PER MANUFACTURER
2" GAP
BOND BEAM W/ (2) CONT. #5 BARS, INTERRUPT HORIZONTAL BARS FOR STEEL COLUMNS AND PROVIDE (2) REINFORCED VERTICAL CELLS BOTH SIDES OF COLUMNS
T.O.W. ELEV. 102'-0"
COLUMN PER PLAN, BEYOND
12" CMU WALL W/ #5 VERTICAL BARS @ 24" O.C. PROVIDE (2) REINFORCED VERTICAL CELLS BOTH SIDES OF EMBEDDED STEEL COLUMNS
HORIZONTAL JOINT REINFORCING @ 16" O.C. (VERT.), SEE GENERAL NOTES
1/2" EXPANSION MATERIAL
WATERPROOF AND GROUT SOLID ALL CMU BELOW GRADE (AT MINIMUM LOWEST (3) COURSES)
SLAB PER PLAN, THICKEN TO 8" MIN AT PERIMETER
F.F. ELEV. 100'-0" HIGH 97'-0" LOW
2
FINISH PER ARCH.
GROUT SOLID BEHIND VENEER BELOW GRADE
GRADE/PAVEMENT PER CIVIL
8" MIN
UNDER-SLAB VAPOR BARRIER AND SUBGRADE PER GENERAL NOTES
T.O.W. ELEV. 96'-8"
FOUNDATION WALL
1'-8"
#5 VERT. BARS @ 12 O.C. W/ STANDARD ACI HOOK, BOTH FACES
#5 HOR. BARS @ 12 O.C., BOTH FACES
#5 DOWELS W/ STANDARD ACI HOOK @ 24" O.C., EMBED 30" INTO CMU WALL, MATCH SPACING AND LOCATION WITH CMU REINF
2'-6"
T.O.F. ELEV. 94'-2"
#5 BARS @ 12" O.C. BOTTOM EACH WAY
1'-0"
6"
1'-8"
6"
2'-8"
3" CLR

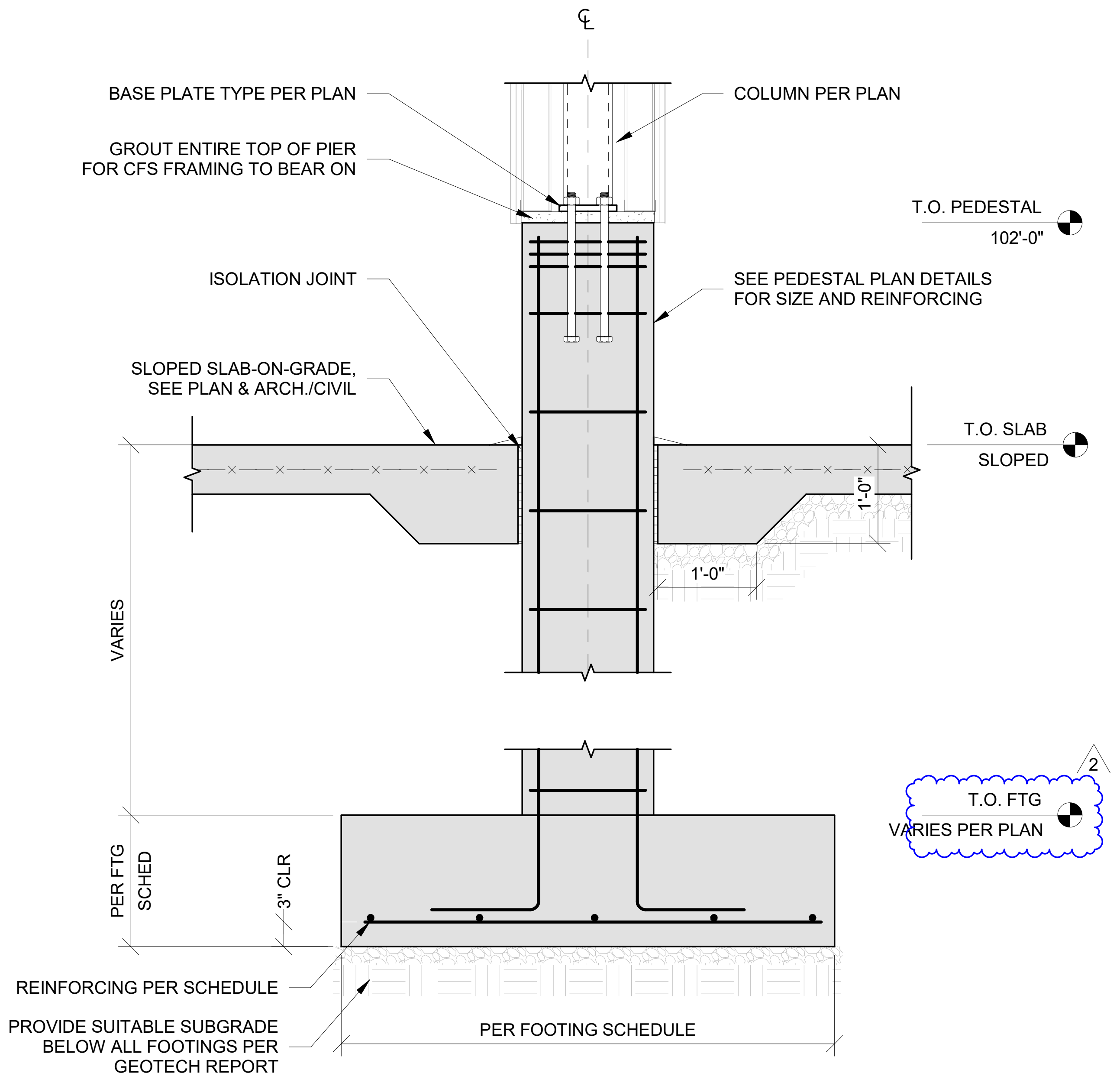
1 FOUNDATION SECTION - GARAGE EXTERIOR WALL
S501 1" = 1'-0"


HOT-DIPPED GALVANIZED COLUMN PER PLAN
BOND BEAM W/ (2) CONT. #5 BARS, INTERRUPT HORIZONTAL BARS FOR STEEL COLUMNS AND PROVIDE (2) REINFORCED VERTICAL CELLS BOTH SIDES OF COLUMNS
12" CMU WALL W/ #5 VERTICAL BARS @ 24" O.C. PROVIDE (2) REINFORCED VERTICAL CELLS BOTH SIDES OF COLUMNS
HORIZONTAL JOINT REINFORCING @ 16" O.C. (VERT.), SEE GENERAL NOTES
WATERPROOF AND GROUT SOLID ALL CMU BELOW GRADE (AT MINIMUM LOWEST (3) COURSES) INCLUDING AROUND STEEL COLUMNS
1/2" EXPANSION MATERIAL
GALVANIZED BP W/ (4) 1/2"Ø THREADED ROD ANCHOR W/ HILTI HIT-HY200 V3 ADHESIVE & 6" MIN. EMBED
SLAB PER PLAN, THICKEN TO 8" MIN AT PERIMETER
F.F. ELEV. 100'-0" HIGH 97'-0" LOW
2
FINISH PER ARCH.
GROUT SOLID BEHIND VENEER BELOW GRADE
GRADE/PAVEMENT PER CIVIL
8" MIN
UNDER-SLAB VAPOR BARRIER AND SUBGRADE PER GENERAL NOTES
T.O.W. ELEV. 96'-8"
COLUMN PEDESTAL, SEE PEDESTAL DETAILS FOR DIMENSIONS AND REINFORCING
6 1/4"
8"
1'-0"
WALL REINFORCING TO BE CONTINOUS THROUGH PEDESTAL
2'-6"
T.O.F. ELEV. 94'-2"
#5 BARS @ 12" O.C. BOT EW
1'-0"
6"
1'-8"
6"
2'-8"

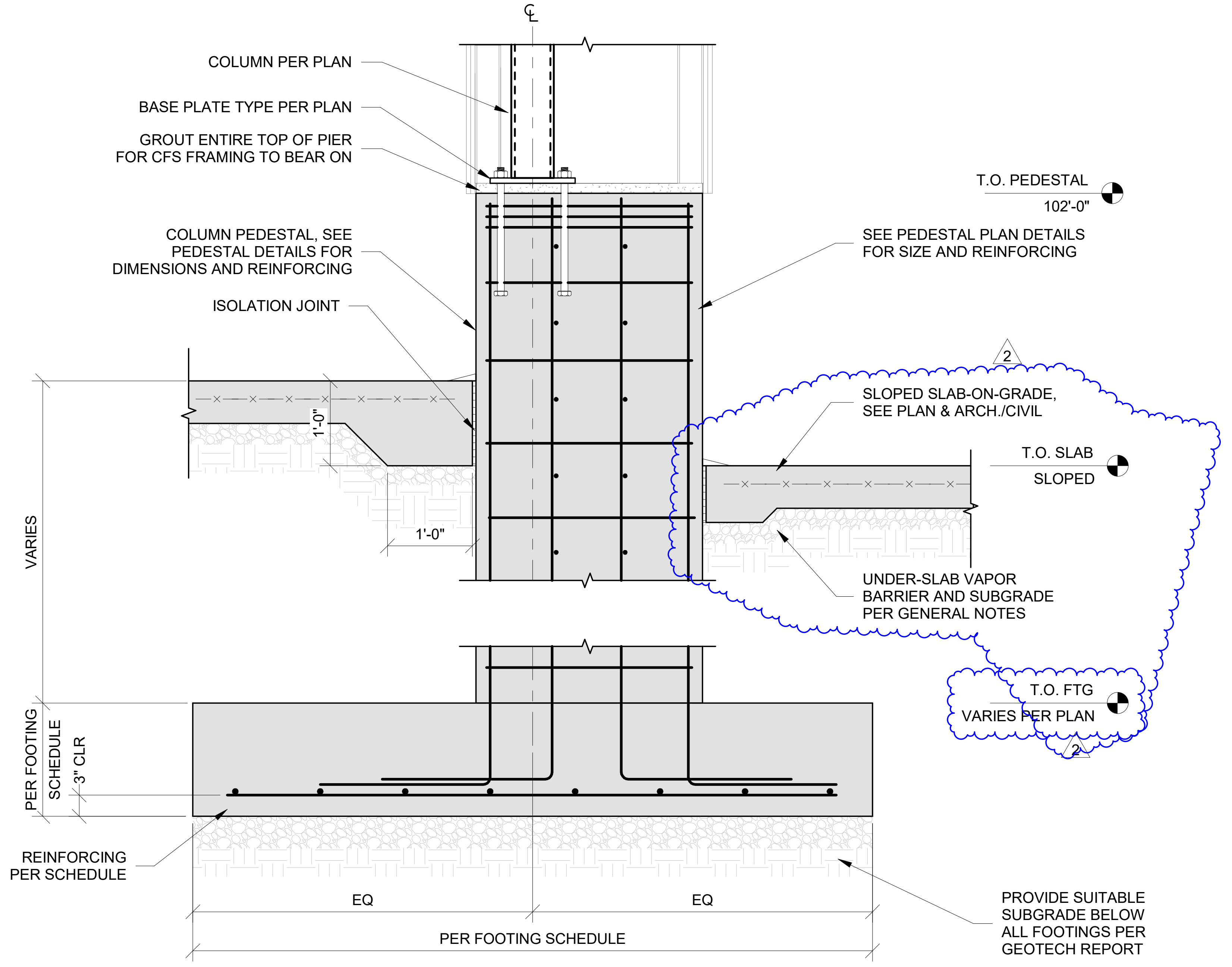
2 FOUNDATION SECTION - COLUMN FOOTING AT GARAGE EXTERIOR WALL
S501 1" = 1'-0"


CONT. L4X4X3/8 ANGLE
SEE 3 / S524 FOR BALANCE OF INFORMATION
B.O. STEEL ANGLE EL 110'-0 1/4" VERIFY W/ ARCH.
1" GAP
2-12
T.O.WALL PER PLAN
SCREEN WALL SUPPORT COLUMN, SEE PLAN FOR SIZE & SPACING
BOND BEAM W/ (2) CONT. #5 BARS, INTERRUPT HORIZONTAL BARS FOR STEEL COLUMN & PROVIDE (2) REINFORCED VERTICAL CELLS BOTH SIDES OF COLUMNS
12" CMU WALL W/ #5 VERTICAL BARS @ 24" O.C. PROVIDE (2) REINFORCED VERTICAL CELLS BOTH SIDES OF COLUMNS
HORIZONTAL JOINT REINFORCING @ 16" O.C. (VERT.), SEE GENERAL NOTES
1/2" EXPANSION MATERIAL
GALVANIZED BP4 W/ (4) 1/2"Ø THREADED ROD ANCHORS W/ HILTI HIT-HY200 V3 ADHESIVE & 6" MIN. EMBED
SLAB PER PLAN, THICKEN TO 8" MIN AT PERIMETER
F.F. ELEV. 100'-0" HIGH 97'-0" LOW
2
1/2" EXPANSION MATERIAL
1/2" EXPANSION MATERIAL
GRADE/PAVEMENT PER CIVIL
8" MIN
WATERPROOF AND GROUT SOLID ALL CMU BELOW GRADE (AT MINIMUM LOWEST (3) COURSES) INCLUDING AROUND STEEL COLUMNS
UNDER-SLAB VAPOR BARRIER AND SUBGRADE PER GENERAL NOTES
T.O.W. ELEV. 96'-8"
COLUMN PEDESTAL, SEE PEDESTAL DETAILS FOR DIMENSIONS AND REINFORCING
WALL REINFORCING TO BE CONTINOUS THROUGH PEDESTAL
2'-6"
T.O.F. ELEV. 94'-2"
#5 BARS @ 12" O.C. BOT EW
1'-0"
6"
1'-8"
6"
2'-8"

3 FOUNDATION SECTION AT SCREEN WALL POST
S501 1" = 1'-0"


BASE PLATE TYPE PER PLAN
COLUMN PER PLAN
GROUT ENTIRE TOP OF PIER FOR CFS FRAMING TO BEAR ON
T.O. PEDESTAL 102'-0"
ISOLATION JOINT
SEE PEDESTAL PLAN DETAILS FOR SIZE AND REINFORCING
SLOPED SLAB-ON-GRADE, SEE PLAN & ARCH./CIVIL
T.O. SLAB SLOPED
1'-0"
1'-0"
VARIES
T.O. FTG VARIES PER PLAN
2
PER FTG SCHED
3" CLR
REINFORCING PER SCHEDULE
PROVIDE SUITABLE SUBGRADE BELOW ALL FOOTINGS PER GEOTECH REPORT
PER FOOTING SCHEDULE

4 GARAGE COLUMN AND PEDESTAL
S501 3/4" = 1'-0"


COLUMN PER PLAN
BASE PLATE TYPE PER PLAN
GROUT ENTIRE TOP OF PIER FOR CFS FRAMING TO BEAR ON
T.O. PEDESTAL 102'-0"
COLUMN PEDESTAL, SEE PEDESTAL DETAILS FOR DIMENSIONS AND REINFORCING
SEE PEDESTAL PLAN DETAILS FOR SIZE AND REINFORCING
ISOLATION JOINT
2
SLOPED SLAB-ON-GRADE, SEE PLAN & ARCH./CIVIL
T.O. SLAB SLOPED
1'-0"
1'-0"
VARIES
UNDER-SLAB VAPOR BARRIER AND SUBGRADE PER GENERAL NOTES
T.O. FTG VARIES PER PLAN
2
PER FOOTING SCHEDULE
3" CLR
REINFORCING PER SCHEDULE
PROVIDE SUITABLE SUBGRADE BELOW ALL FOOTINGS PER GEOTECH REPORT
EQ
EQ
PER FOOTING SCHEDULE

5 GARAGE COLUMN AND PEDESTAL SECTION
S501 3/4" = 1'-0"

- DEEP FOOTING DETAILS REPLACE WITH NEW SHALLOW FOUNDATION DETAILS 1

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

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THE VILLAGE AT DISCOVERY - LOT 4

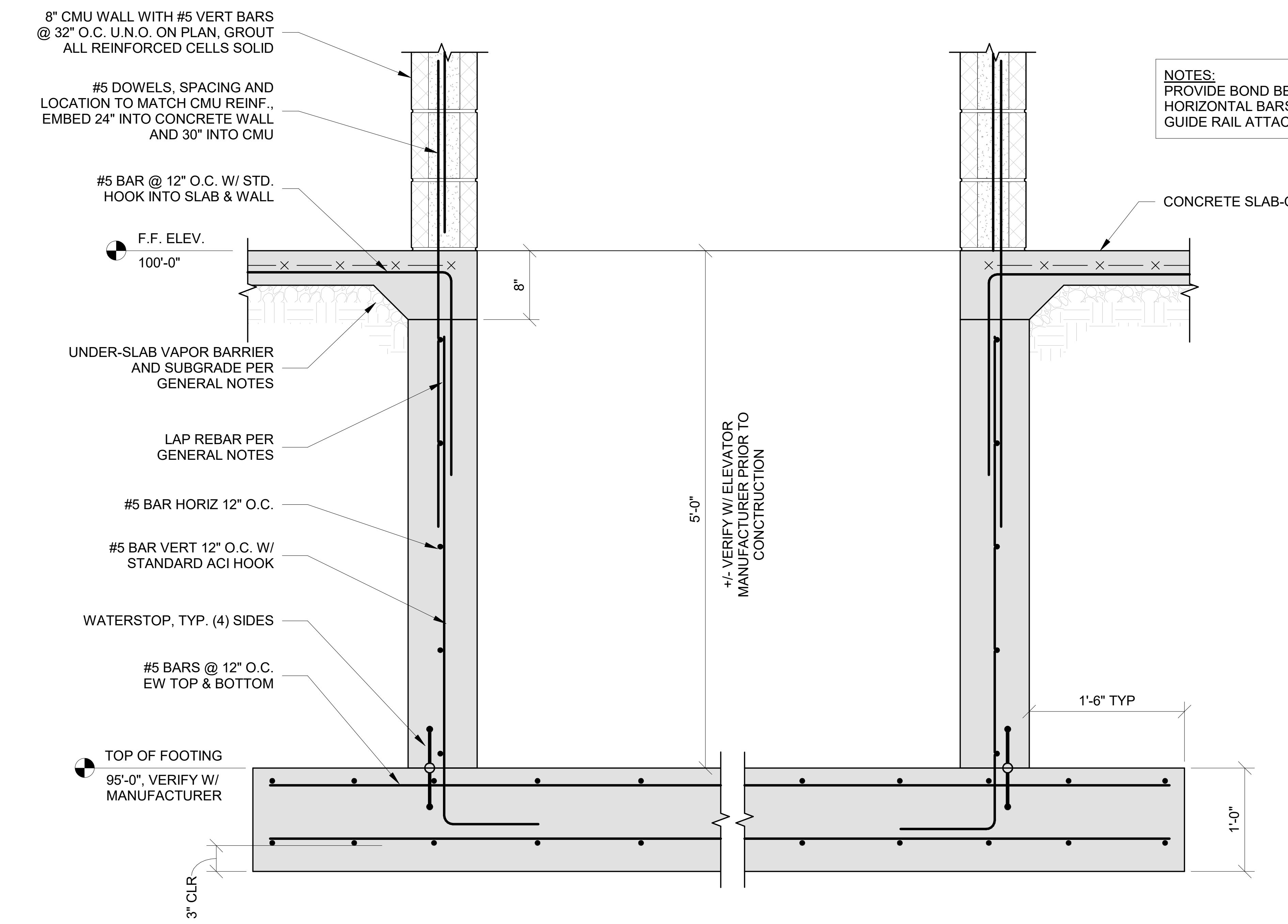
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
FOUNDATION DETAILS

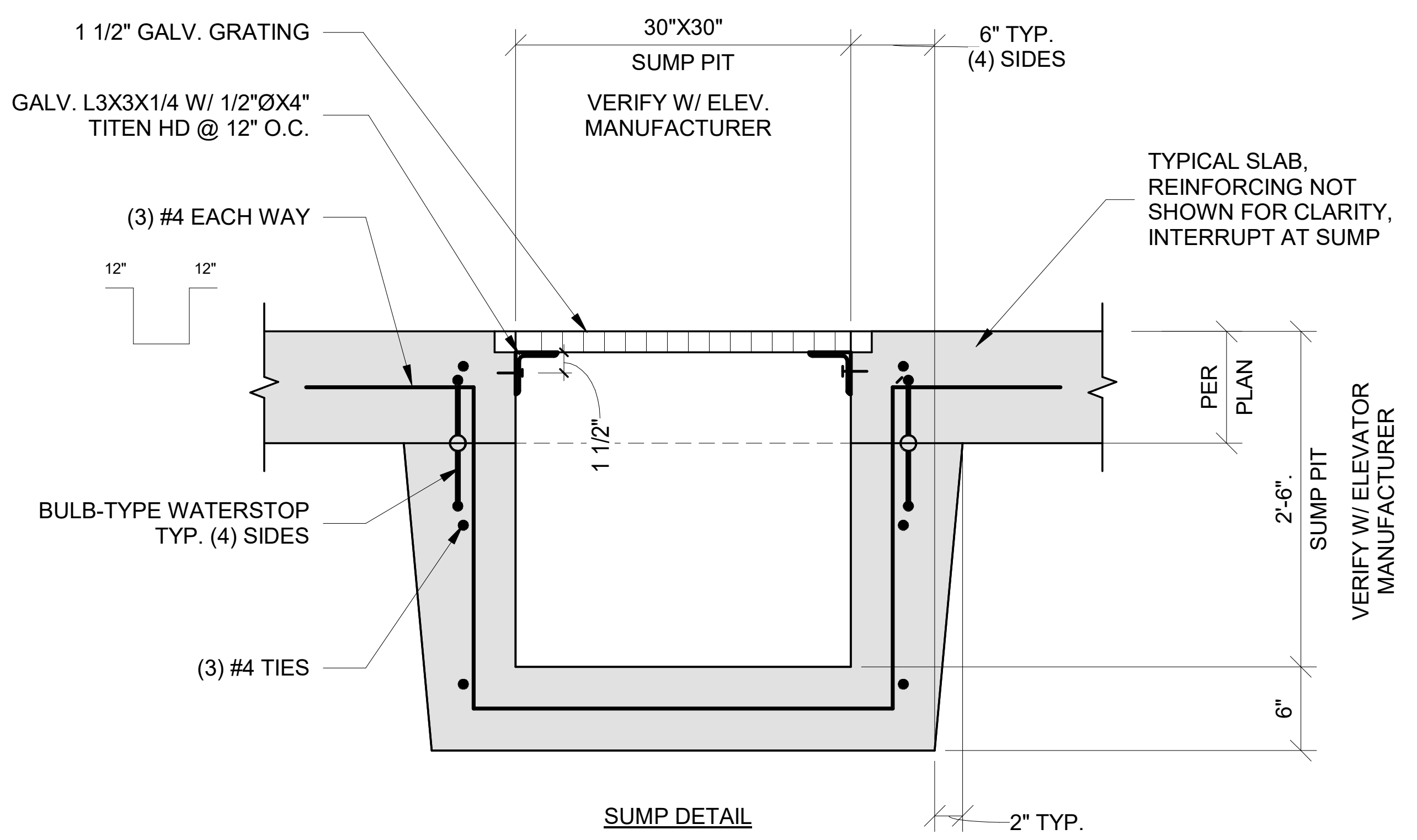
PROJECT NUMBER: 2023000333

SHEET NUMBER:
S501

12/24/2024 5:56:10 PM
Autodesk Docs://2023000333 - Discovery Park Lee's Summit/2023000333 - Rosemann - Lot 4_R23.rvt

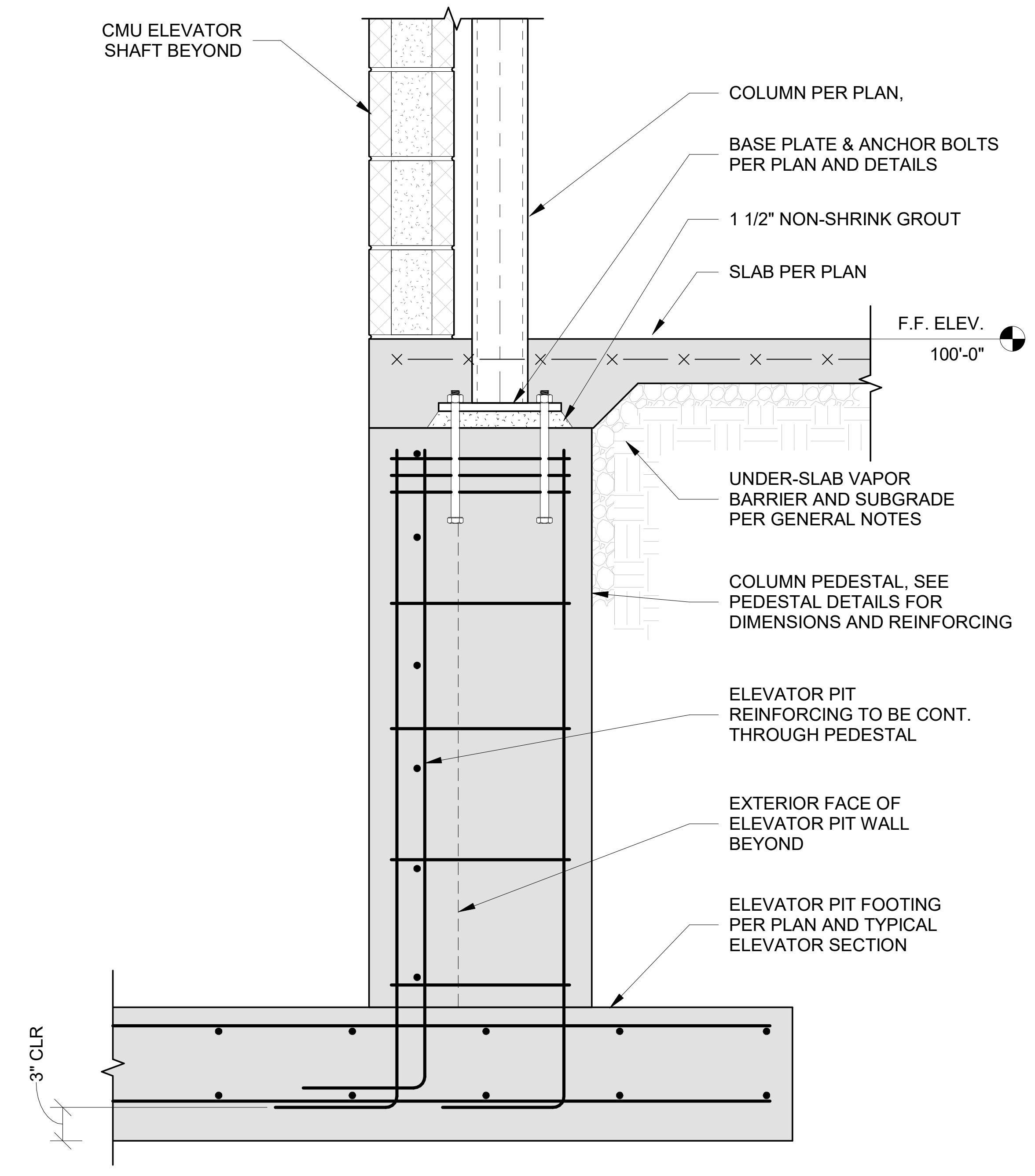

8" CMU WALL WITH #5 VERT BARS @ 32" O.C. U.N.O. ON PLAN, GROUT ALL REINFORCED CELLS SOLID
#5 DOWELS, SPACING AND LOCATION TO MATCH CMU REINF., EMBED 24" INTO CONCRETE WALL AND 30" INTO CMU
#5 BAR @ 12" O.C. W/ STD. HOOK INTO SLAB & WALL
F.F. ELEV.
100'-0"
CONCRETE SLAB-ON-GRADE
8"
UNDER-SLAB VAPOR BARRIER AND SUBGRADE PER GENERAL NOTES
LAP REBAR PER GENERAL NOTES
#5 BAR HORIZ 12" O.C.
#5 BAR VERT 12" O.C. W/ STANDARD ACI HOOK
5'-0"
+/- VERIFY W/ ELEVATOR MANUFACTURER PRIOR TO CONSTRUCTION
WATERSTOP, TYP. (4) SIDES
#5 BARS @ 12" O.C. EW TOP & BOTTOM
1'-6" TYP
TOP OF FOOTING
95'-0", VERIFY W/ MANUFACTURER
1'-0"
3" CLR

NOTES:
PROVIDE BOND BEAM WITH (2) #5 HORIZONTAL BARS AT ALL FLOOR AND GUIDE RAIL ATTACHMENT LOCATIONS.

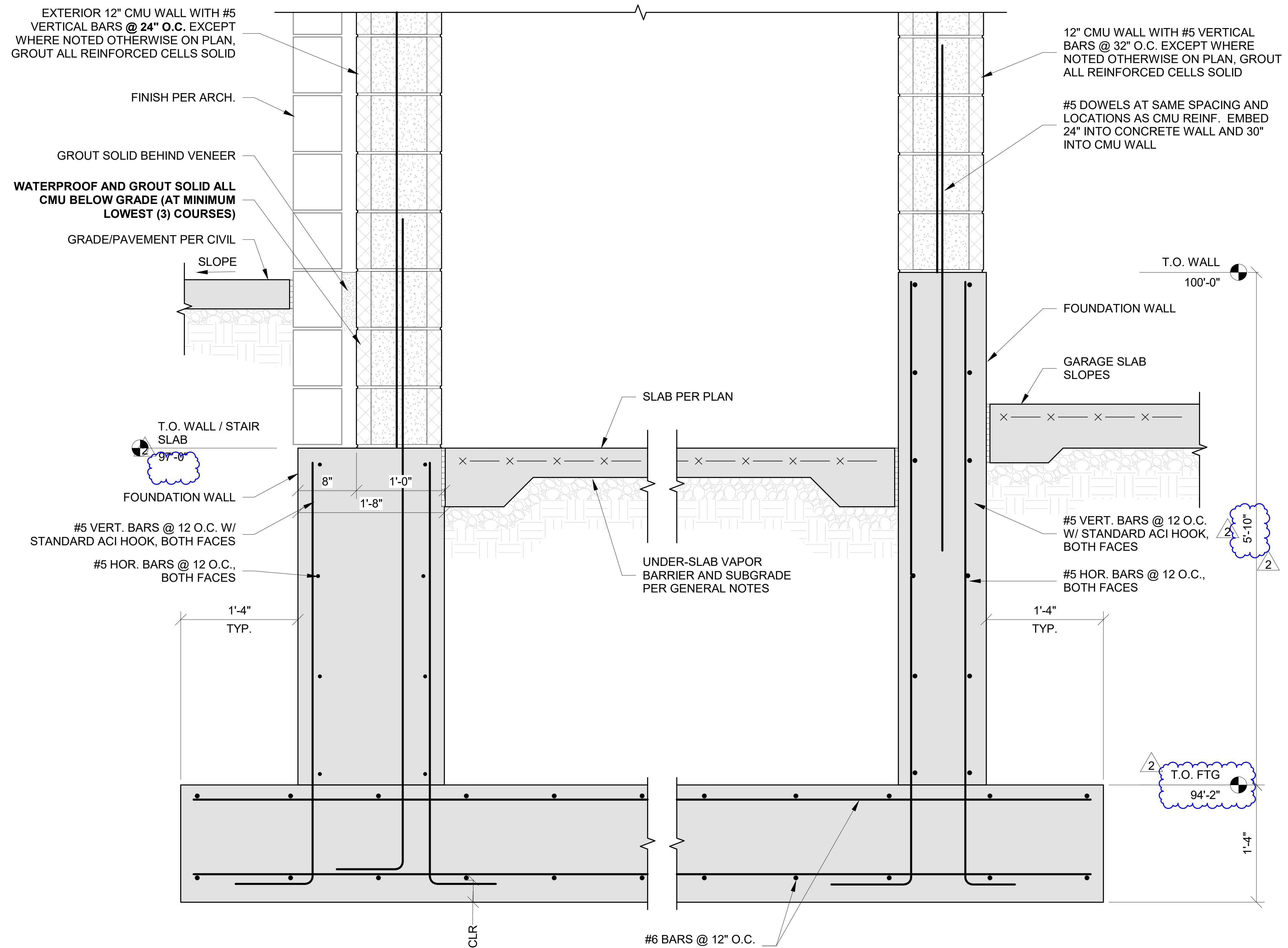

1 1/2" GALV. GRATING
GALV. L3X3X1/4 W/ 1/2"ØX4" TITEN HD @ 12" O.C.
(3) #4 EACH WAY
12"
12"
30"X30"
SUMP PIT
VERIFY W/ ELEV. MANUFACTURER
6" TYP. (4) SIDES
TYPICAL SLAB, REINFORCING NOT SHOWN FOR CLARITY, INTERRUPT AT SUMP
PER PLAN
1 1/2"
2'-6".
SUMP PIT
VERIFY W/ ELEVATOR MANUFACTURER
BULB-TYPE WATERSTOP TYP. (4) SIDES
(3) #4 TIES
6"
2" TYP.

SUMP DETAIL

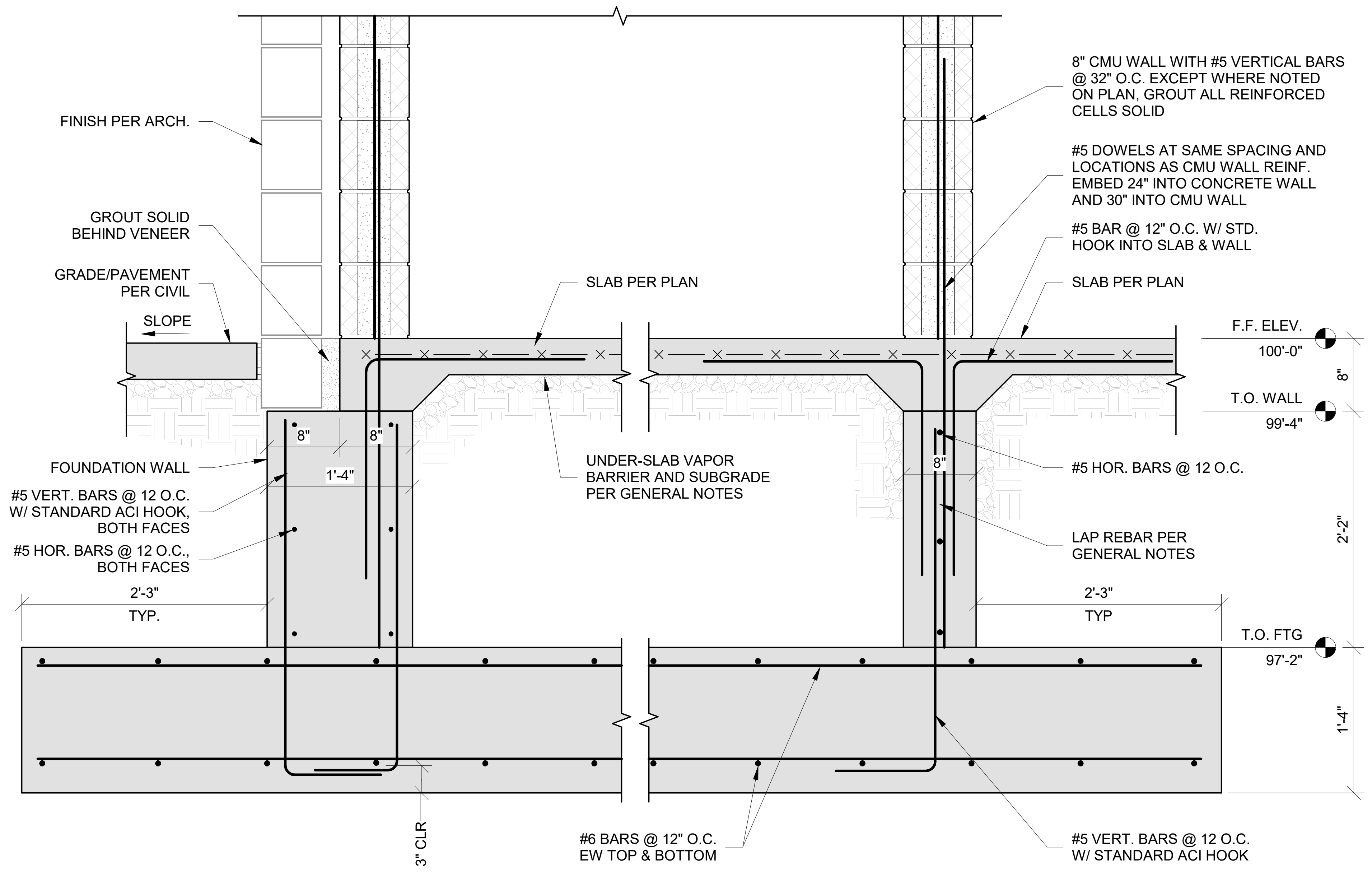
1 S502 ELEVATOR PIT DETAIL
1" = 1'-0"


CMU ELEVATOR SHAFT BEYOND
COLUMN PER PLAN,
BASE PLATE & ANCHOR BOLTS PER PLAN AND DETAILS
1 1/2" NON-SHRINK GROUT
SLAB PER PLAN
F.F. ELEV.
100'-0"
UNDER-SLAB VAPOR BARRIER AND SUBGRADE PER GENERAL NOTES
COLUMN PEDESTAL, SEE PEDESTAL DETAILS FOR DIMENSIONS AND REINFORCING
ELEVATOR PIT REINFORCING TO BE CONT. THROUGH PEDESTAL
EXTERIOR FACE OF ELEVATOR PIT WALL BEYOND
ELEVATOR PIT FOOTING PER PLAN AND TYPICAL ELEVATOR SECTION
3" CLR

2 S502 COLUMN PEDESTAL AT ELEVATOR
1" = 1'-0"


EXTERIOR 12" CMU WALL WITH #5 VERTICAL BARS @ 24" O.C. EXCEPT WHERE NOTED OTHERWISE ON PLAN, GROUT ALL REINFORCED CELLS SOLID
FINISH PER ARCH.
GROUT SOLID BEHIND VENEER
WATERPROOF AND GROUT SOLID ALL CMU BELOW GRADE (AT MINIMUM LOWEST (3) COURSES)
GRADE/PAVEMENT PER CIVIL
SLOPE
T.O. WALL / STAIR SLAB
2
97'-0"
FOUNDATION WALL
8"
1'-0"
1'-8"
#5 VERT. BARS @ 12 O.C. W/ STANDARD ACI HOOK, BOTH FACES
#5 HOR. BARS @ 12 O.C., BOTH FACES
1'-4" TYP.
SLAB PER PLAN
UNDER-SLAB VAPOR BARRIER AND SUBGRADE PER GENERAL NOTES
12" CMU WALL WITH #5 VERTICAL BARS @ 32" O.C. EXCEPT WHERE NOTED OTHERWISE ON PLAN, GROUT ALL REINFORCED CELLS SOLID
#5 DOWELS AT SAME SPACING AND LOCATIONS AS CMU REINF. EMBED 24" INTO CONCRETE WALL AND 30" INTO CMU WALL
T.O. WALL
100'-0"
FOUNDATION WALL
GARAGE SLAB SLOPES
#5 VERT. BARS @ 12 O.C. W/ STANDARD ACI HOOK, BOTH FACES
5'-10"
2
#5 HOR. BARS @ 12 O.C., BOTH FACES
1'-4" TYP.
2
T.O. FTG
94'-2"
1'-4"
3" CLR
#6 BARS @ 12" O.C. EW TOP & BOTTOM

3 S502 SECTION AT EAST STAIR FOUNDATION
1" = 1'-0"


FINISH PER ARCH.
GROUT SOLID BEHIND VENEER
GRADE/PAVEMENT PER CIVIL
SLOPE
8"
8"
1'-4"
FOUNDATION WALL
#5 VERT. BARS @ 12 O.C. W/ STANDARD ACI HOOK, BOTH FACES
#5 HOR. BARS @ 12 O.C., BOTH FACES
2'-3" TYP.
SLAB PER PLAN
UNDER-SLAB VAPOR BARRIER AND SUBGRADE PER GENERAL NOTES
8" CMU WALL WITH #5 VERTICAL BARS @ 32" O.C. EXCEPT WHERE NOTED ON PLAN, GROUT ALL REINFORCED CELLS SOLID
#5 DOWELS AT SAME SPACING AND LOCATIONS AS CMU WALL REINF. EMBED 24" INTO CONCRETE WALL AND 30" INTO CMU WALL
#5 BAR @ 12" O.C. W/ STD. HOOK INTO SLAB & WALL
SLAB PER PLAN
F.F. ELEV.
100'-0"
8"
T.O. WALL
99'-4"
8"
#5 HOR. BARS @ 12 O.C.
LAP REBAR PER GENERAL NOTES
2'-2"
2'-3" TYP
T.O. FTG
97'-2"
1'-4"
3" CLR
#6 BARS @ 12" O.C. EW TOP & BOTTOM
#5 VERT. BARS @ 12 O.C. W/ STANDARD ACI HOOK

4 S502 SECTION AT WEST STAIR FOUNDATION
1" = 1'-0"

- DEEP FOUNDATION DETAILS REPLACE WITH NEW SHALLOW FOUNDATION DETAILS
1

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01/25/2024 - CITY SUBMITTAL

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THE VILLAGE AT DISCOVERY - LOT 4

1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

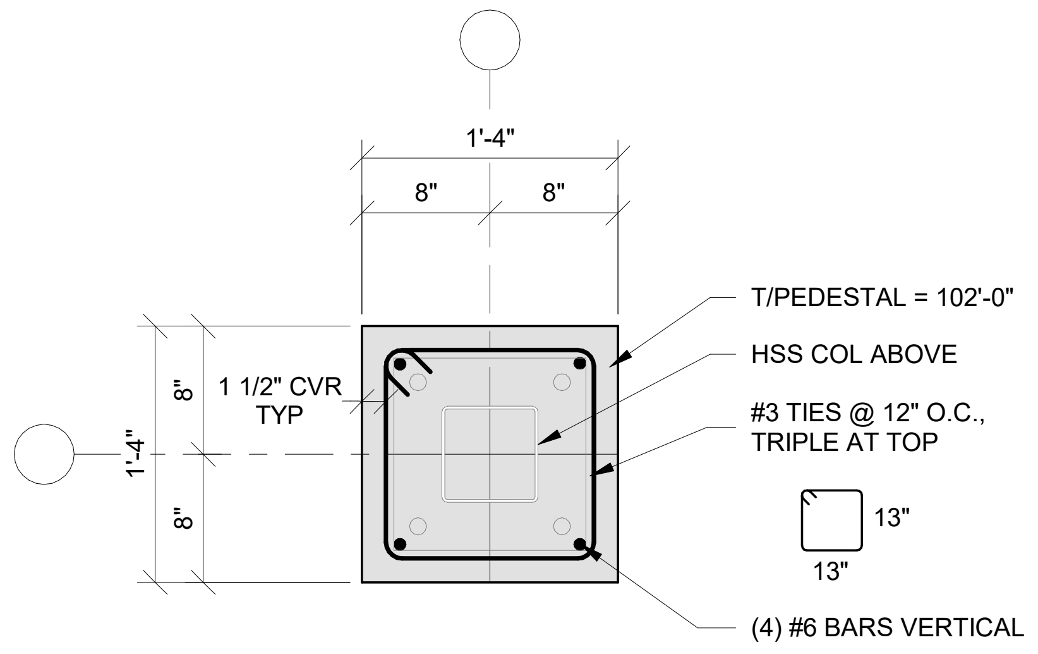
SHEET TITLE
FOUNDATION DETAILS

PROJECT NUMBER: 2023000333

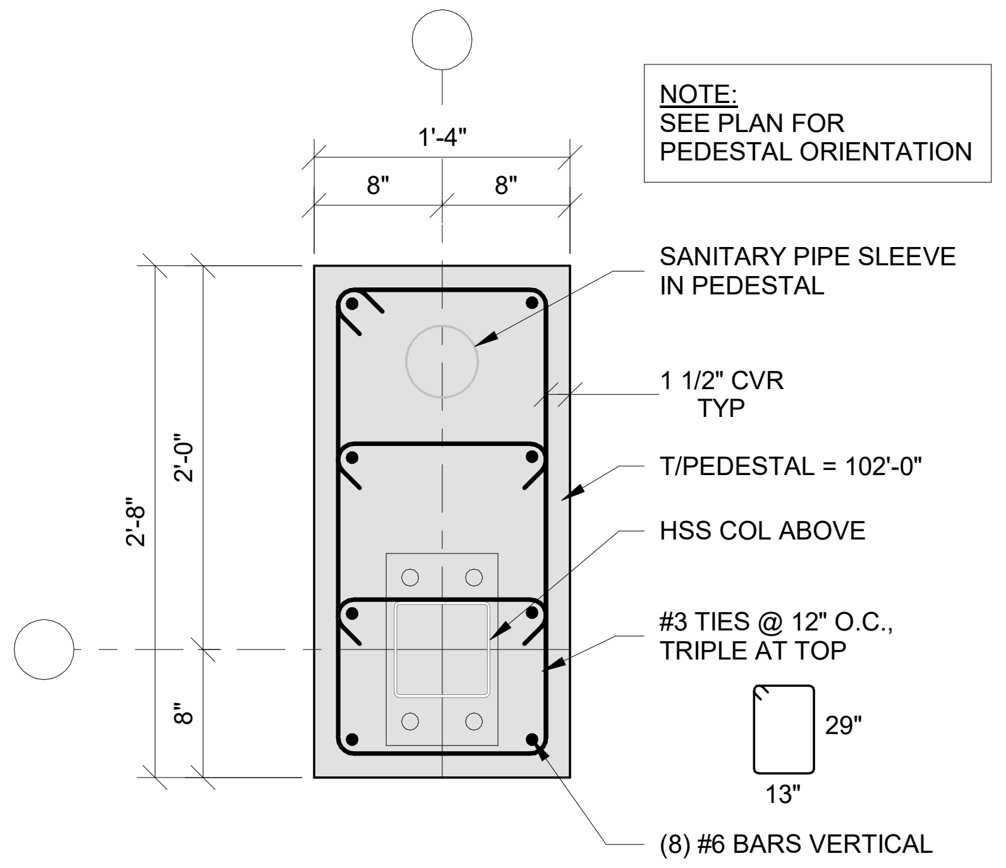
SHEET NUMBER:

S502

12/24/2024 5:56:12 PM
Autodesk Docs://2023000333 - Discovery Park Lee's Summit/2023000333 - Rosemann - Lot 4_R23.rvt

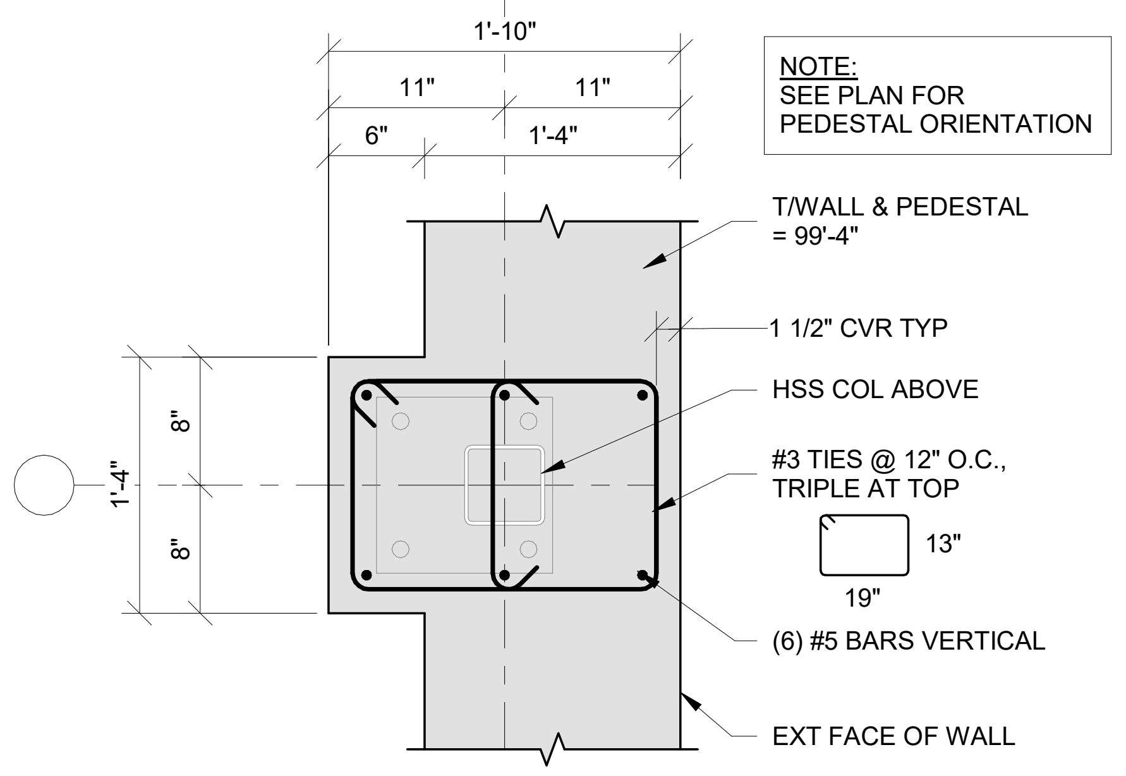


1 PEDESTAL P1
S503 1" = 1'-0"



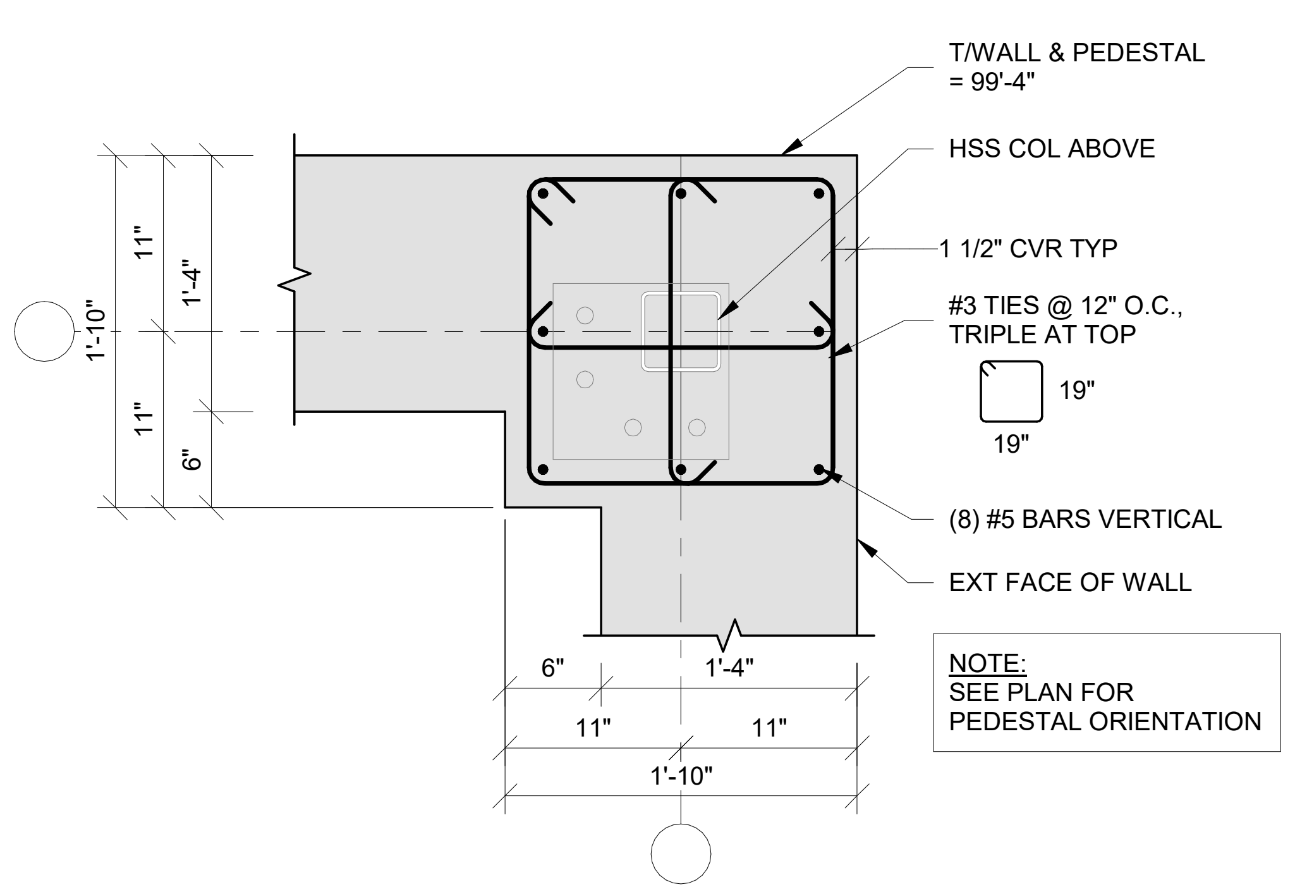
NOTE:
SEE PLAN FOR PEDESTAL ORIENTATION

2 PEDESTAL P2
S503 1" = 1'-0"



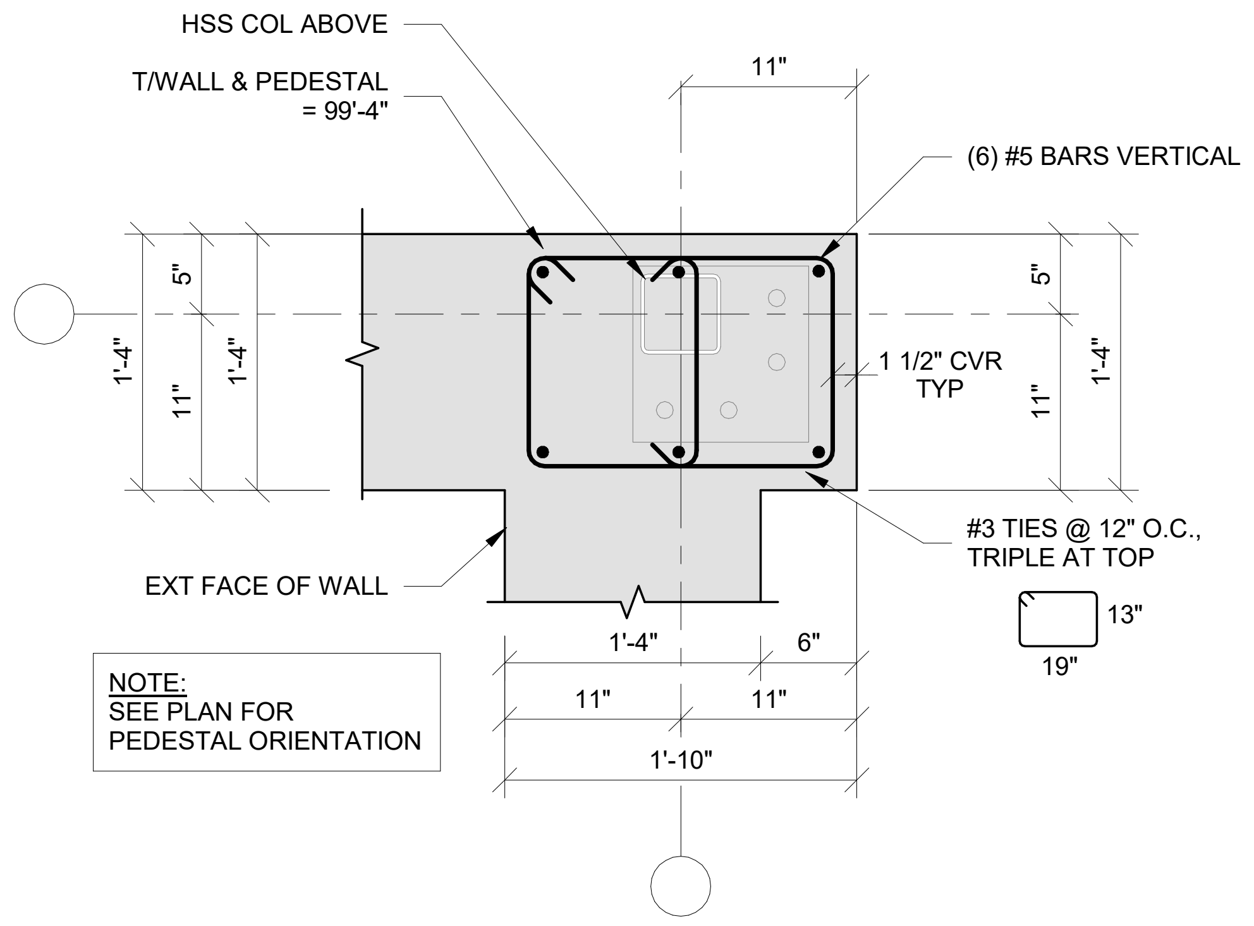
NOTE:
SEE PLAN FOR PEDESTAL ORIENTATION

3 PEDESTAL P3
S503 1" = 1'-0"



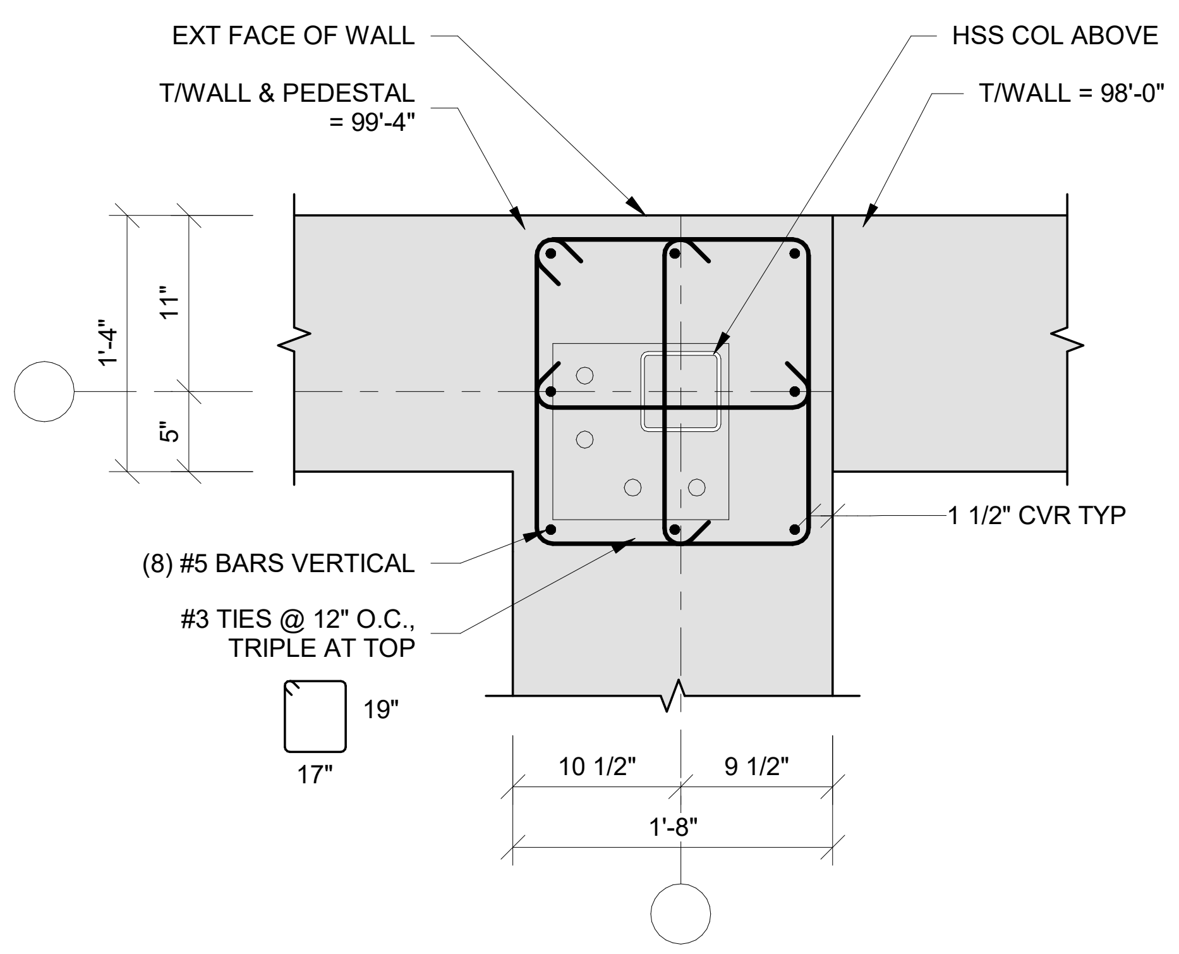
NOTE:
SEE PLAN FOR PEDESTAL ORIENTATION

4 PEDESTAL P4
S503 1" = 1'-0"

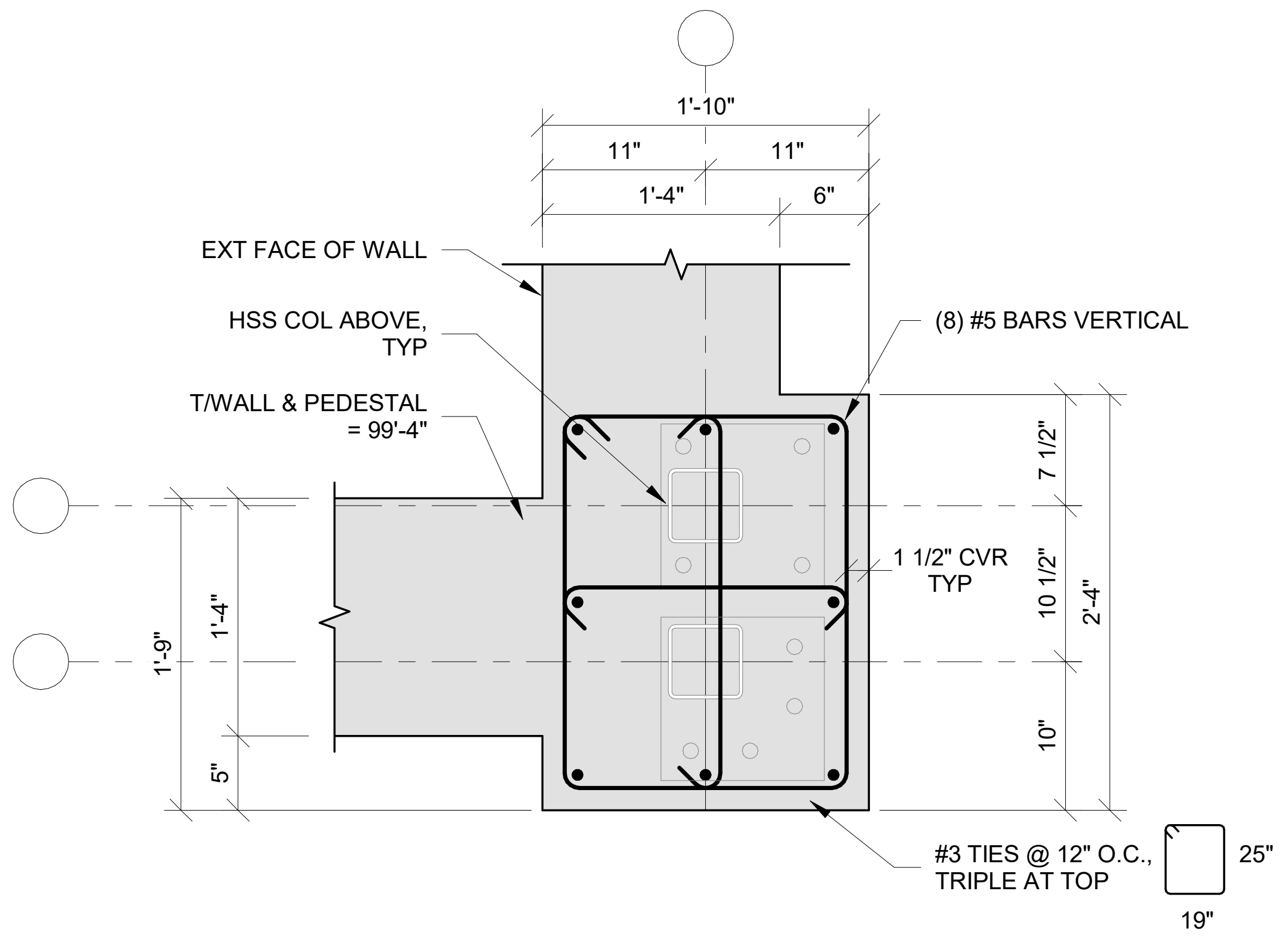


NOTE:
SEE PLAN FOR PEDESTAL ORIENTATION

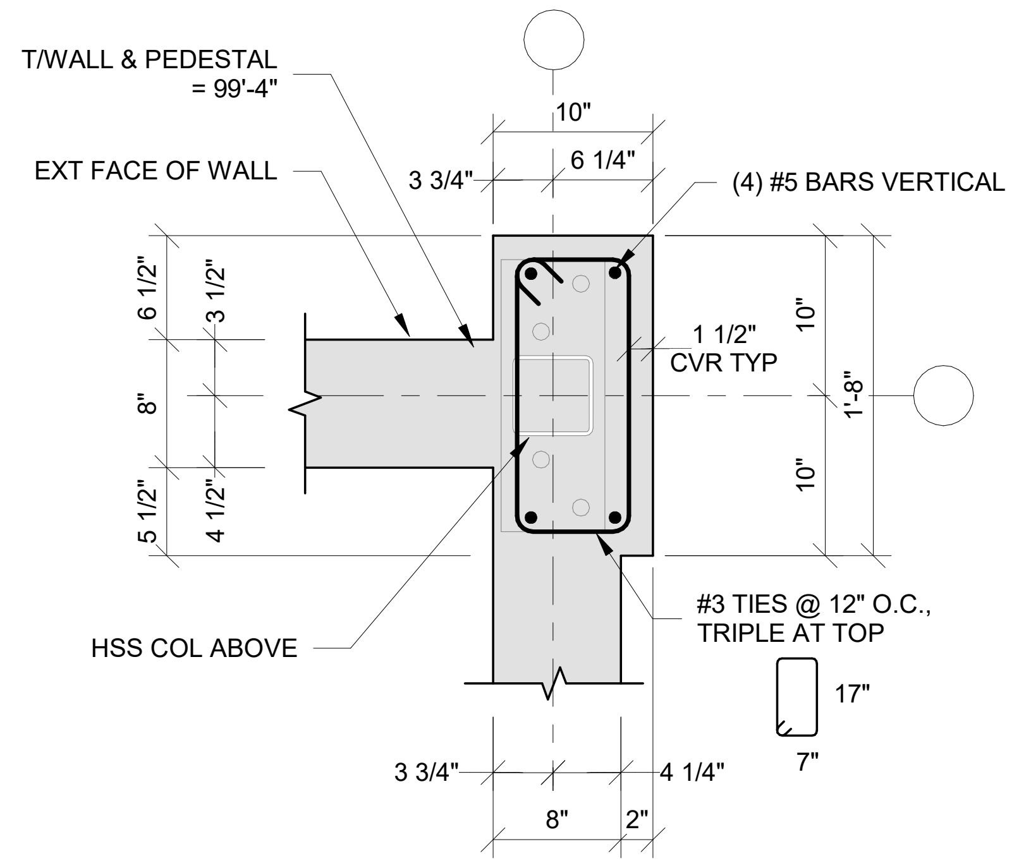
5 PEDESTAL P5
S503 1" = 1'-0"



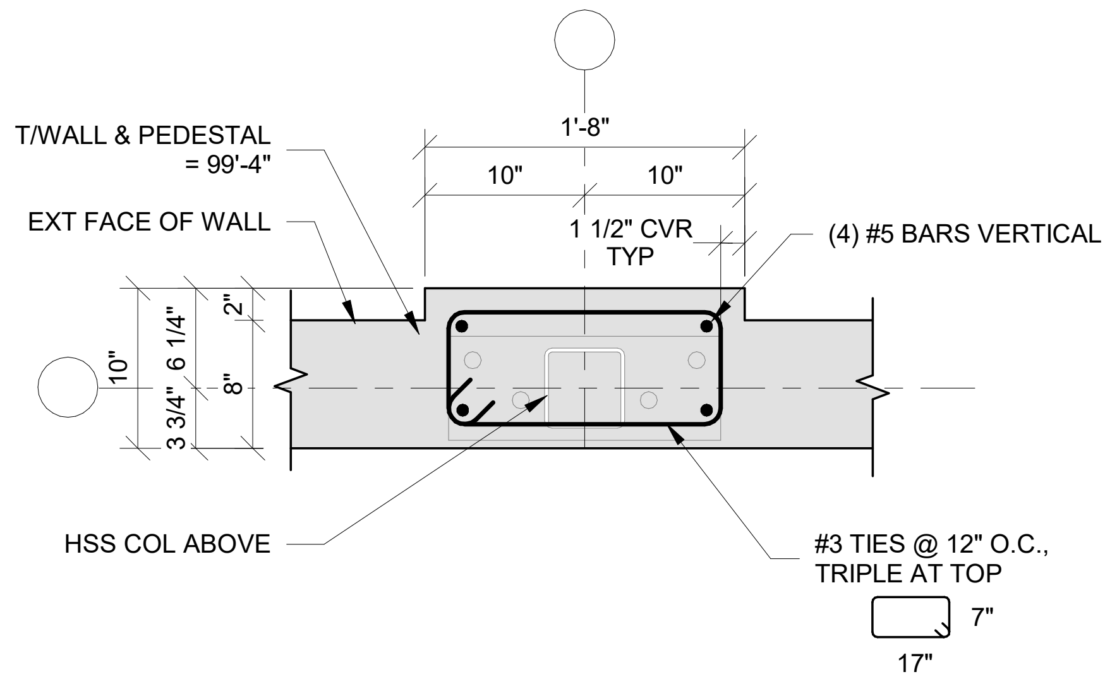
6 PEDESTAL P6
S503 1" = 1'-0"



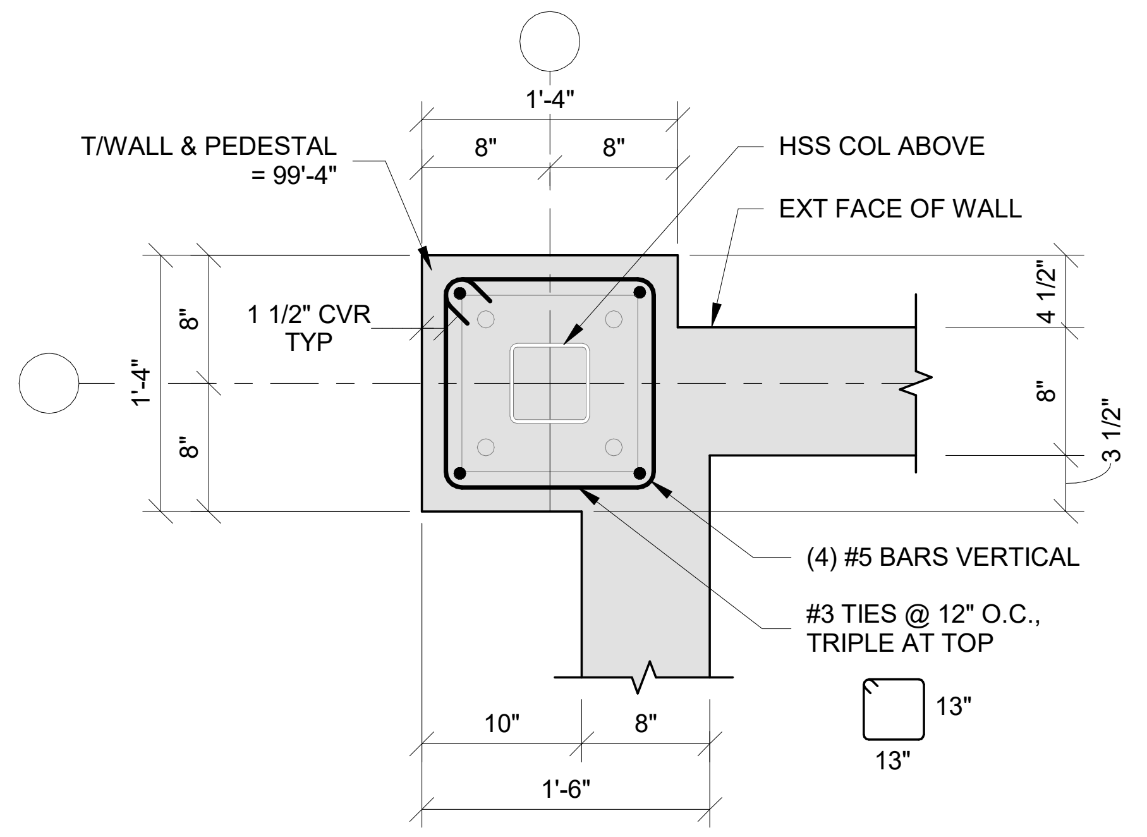
7 PEDESTAL P7
S503 1" = 1'-0"



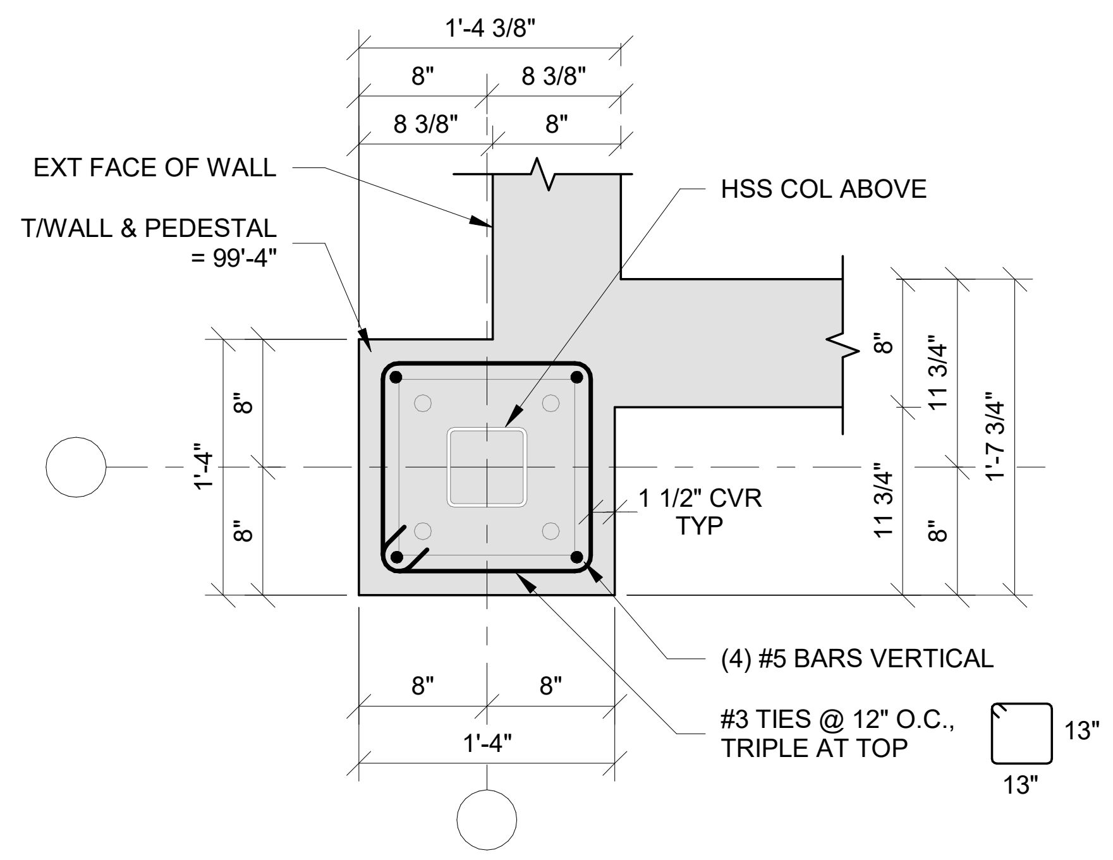
8 PEDESTAL P8
S503 1" = 1'-0"



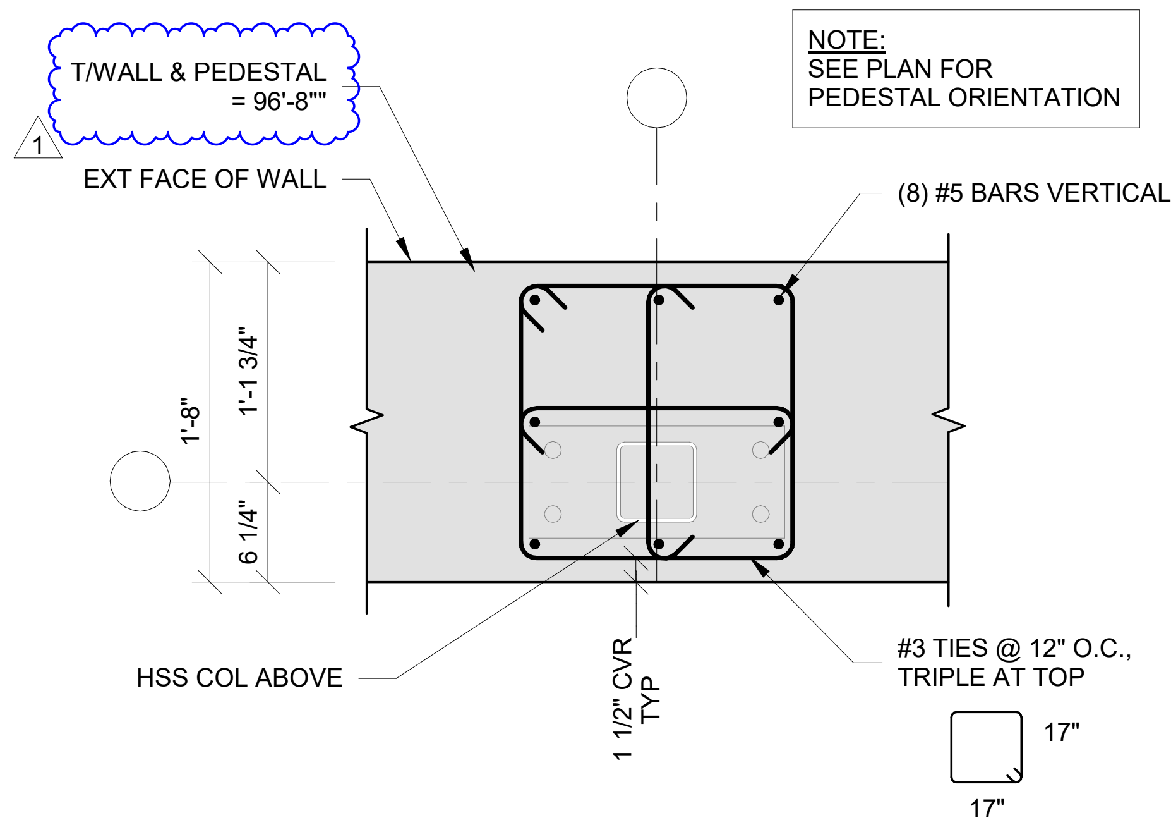
9 PEDESTAL P9
S503 1" = 1'-0"



10 PEDESTAL P10
S503 1" = 1'-0"

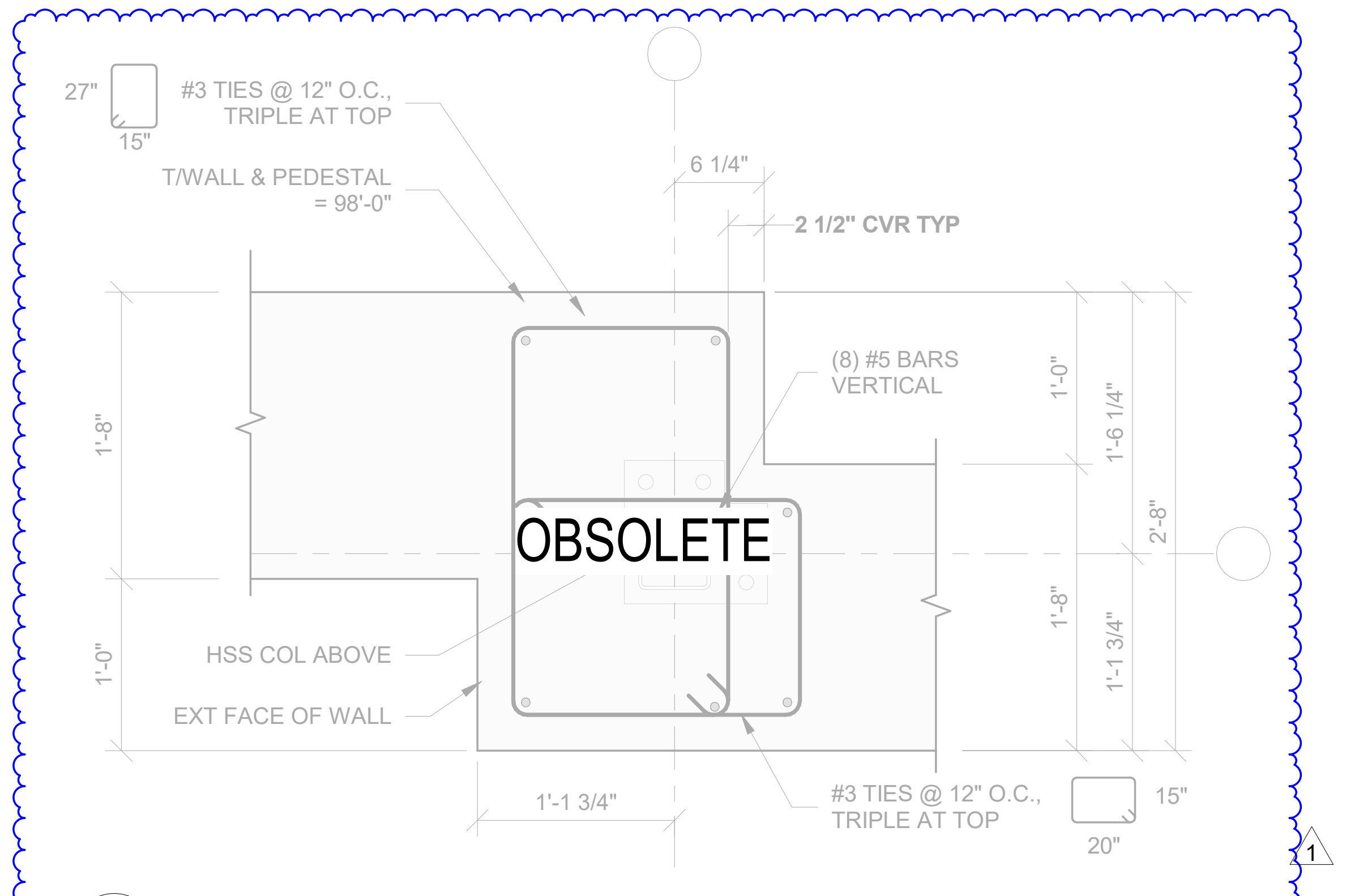


11 PEDESTAL P11
S503 1" = 1'-0"

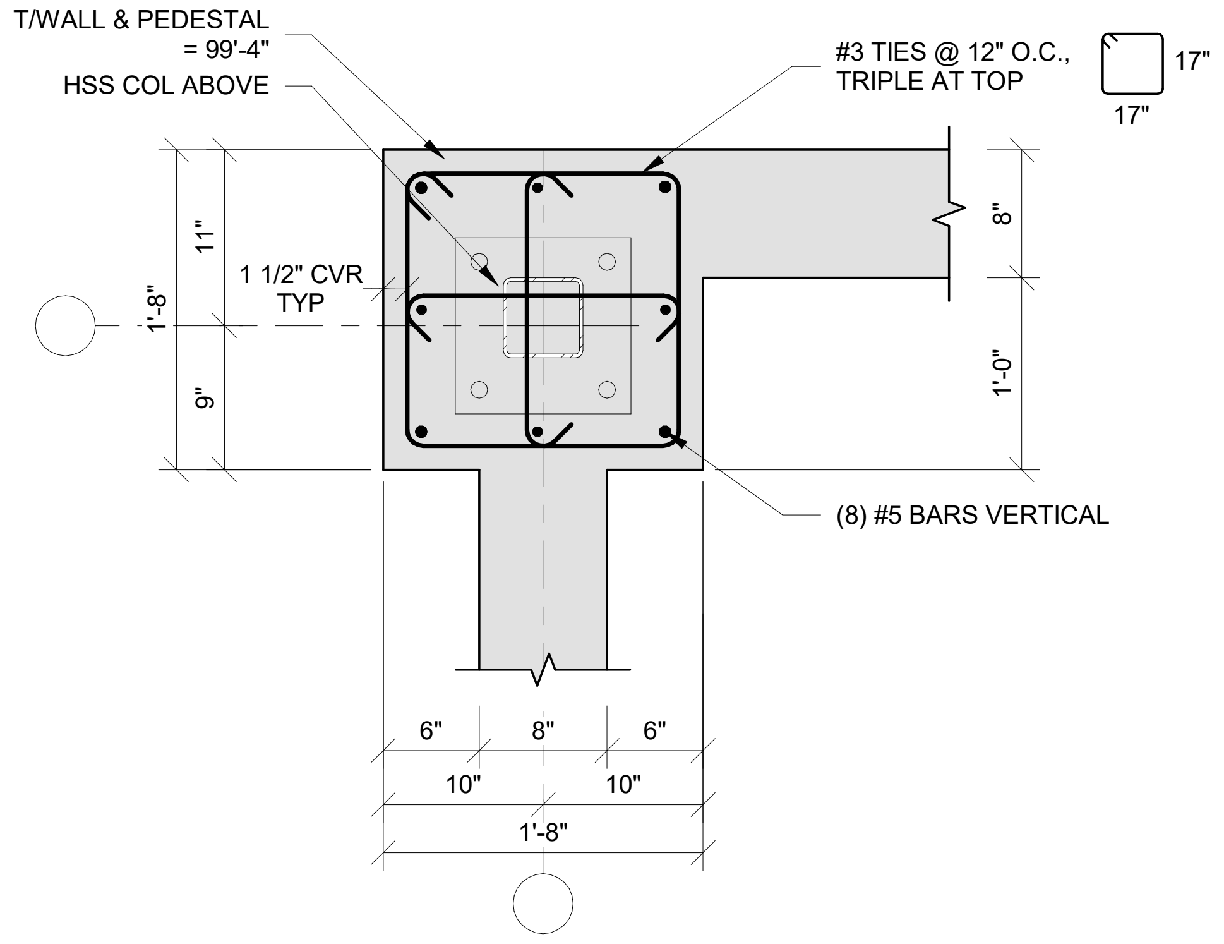


NOTE:
SEE PLAN FOR PEDESTAL ORIENTATION

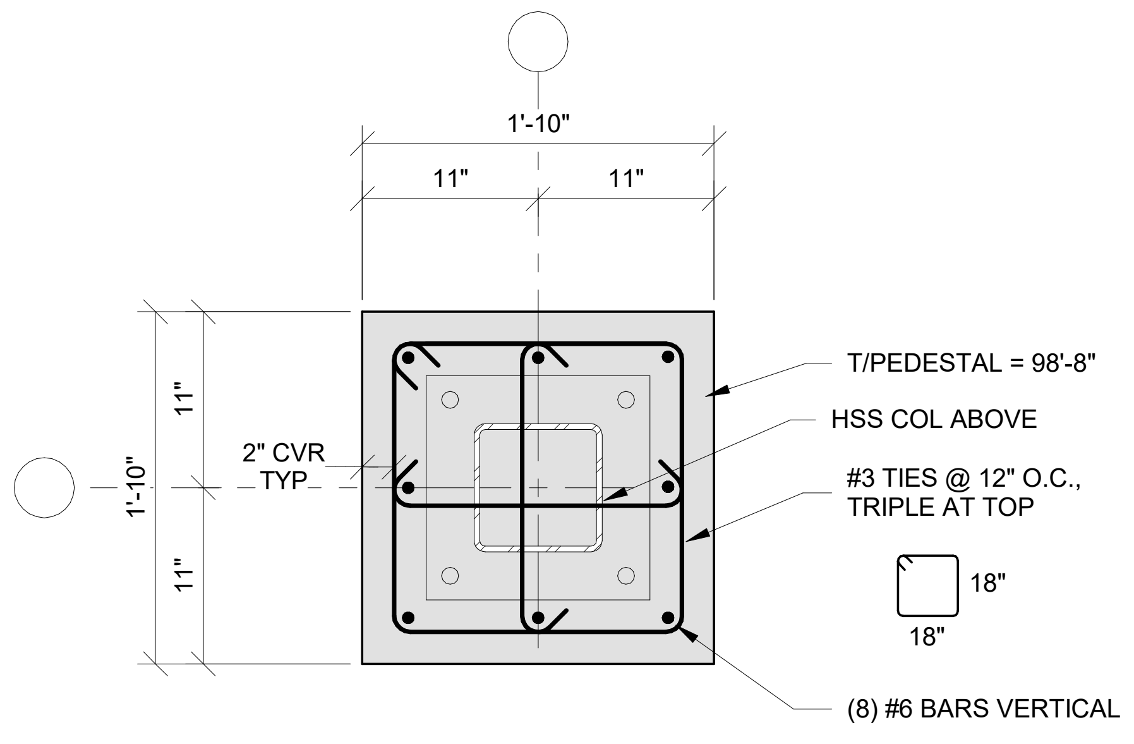
12 PEDESTAL P12
S503 1" = 1'-0"



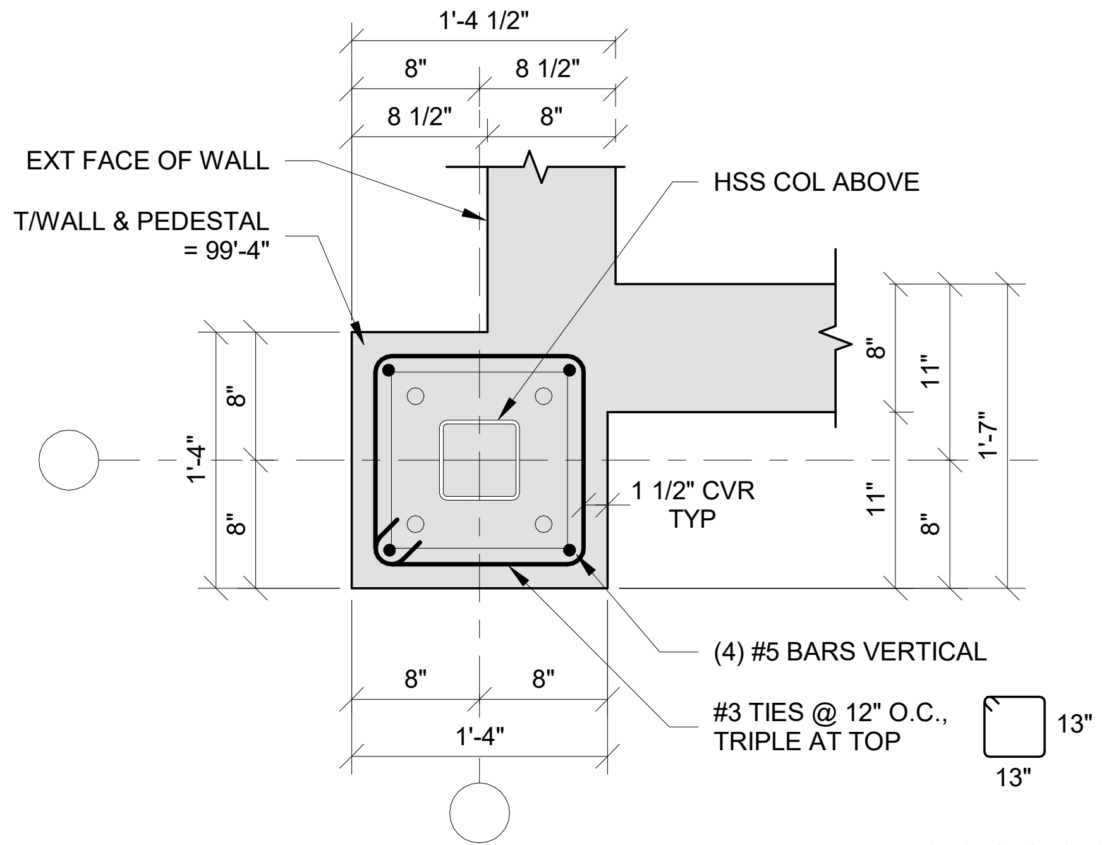
13 PEDESTAL P13
S503 1" = 1'-0"



14 PEDESTAL P14
S503 1" = 1'-0"



15 PEDESTAL P15
S503 1" = 1'-0"



16 PEDESTAL P16
S503 1" = 1'-0"

NEW DETAILS (ENTIRE SHEET)
1

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REVISIONS:

1	10/21/2024	Addendum #1
2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

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

THE VILLAGE AT DISCOVERY - LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
PEDESTAL DETAILS

PROJECT NUMBER: 2023000333

SHEET NUMBER:
S503

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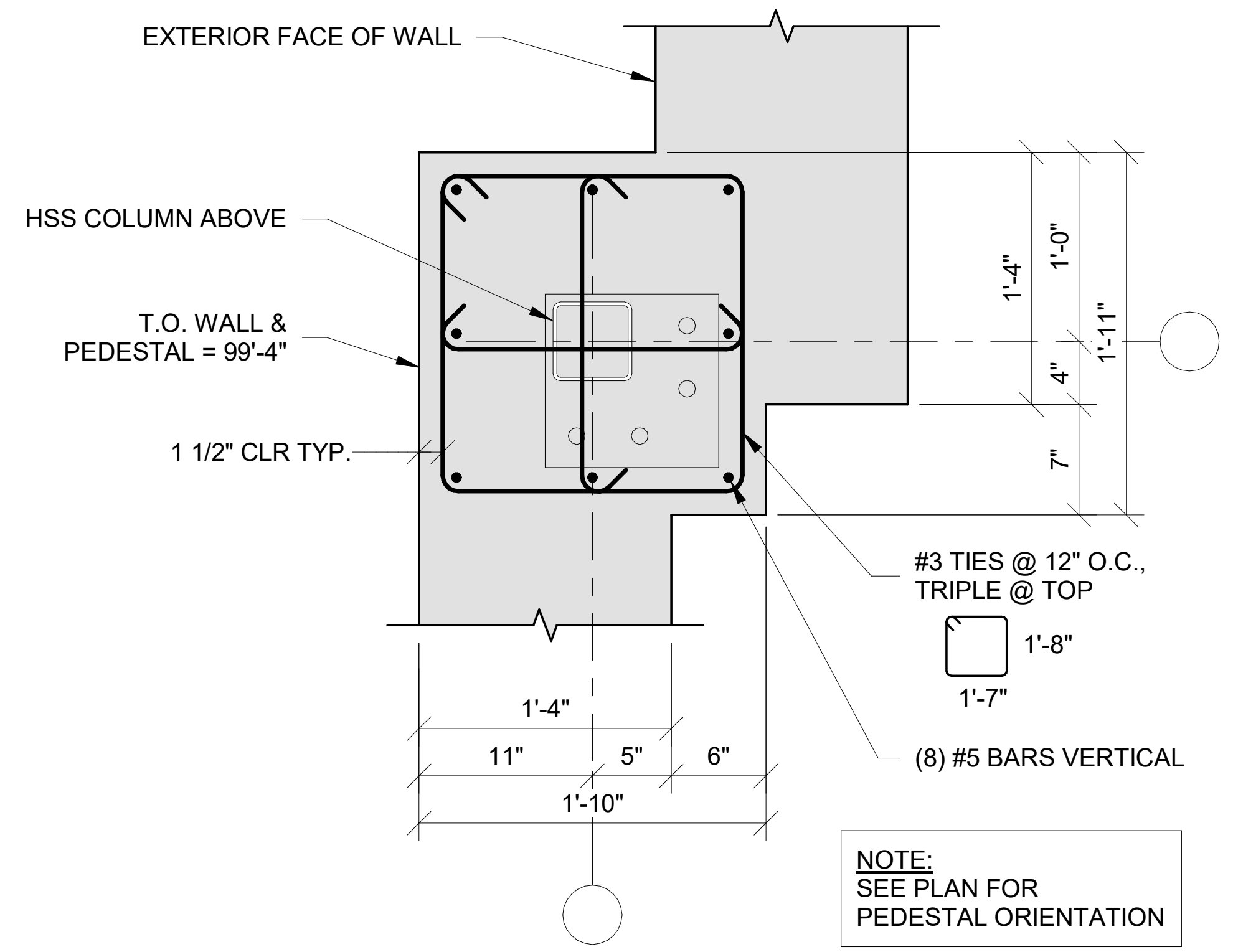
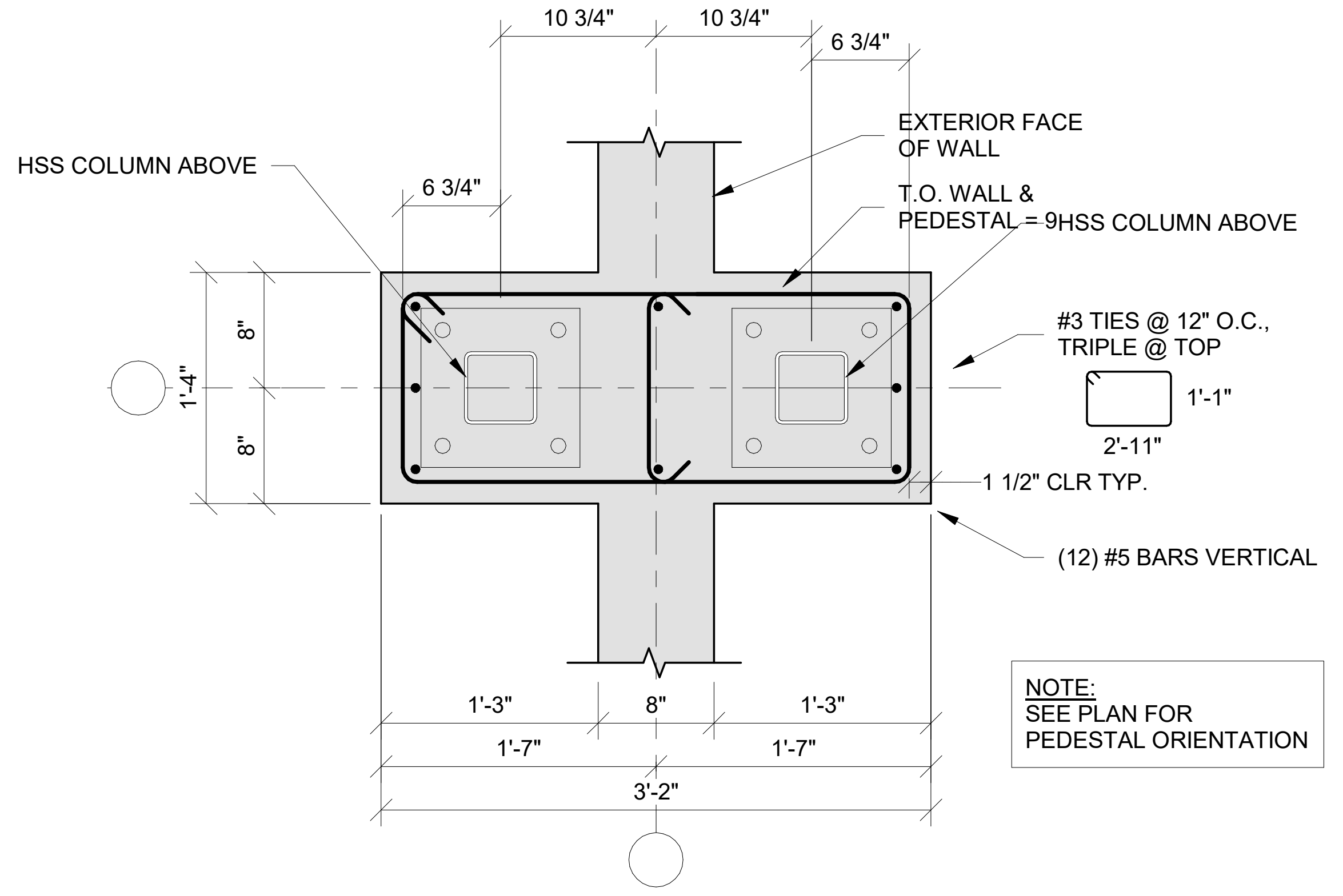


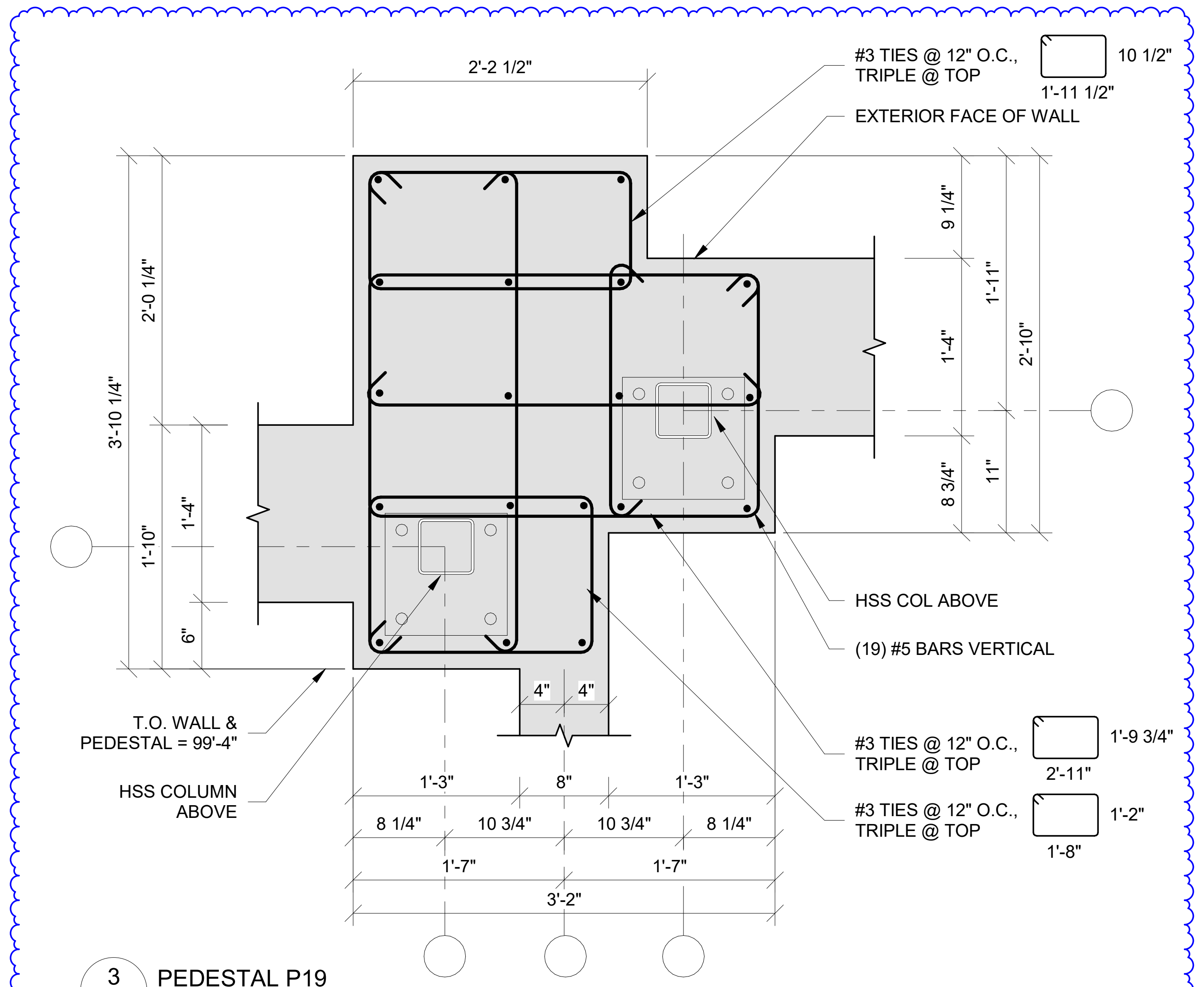
NOTE:
SEE PLAN FOR
PEDESTAL ORIENTATION

1 S504 PEDESTAL P17
1" = 1'-0"

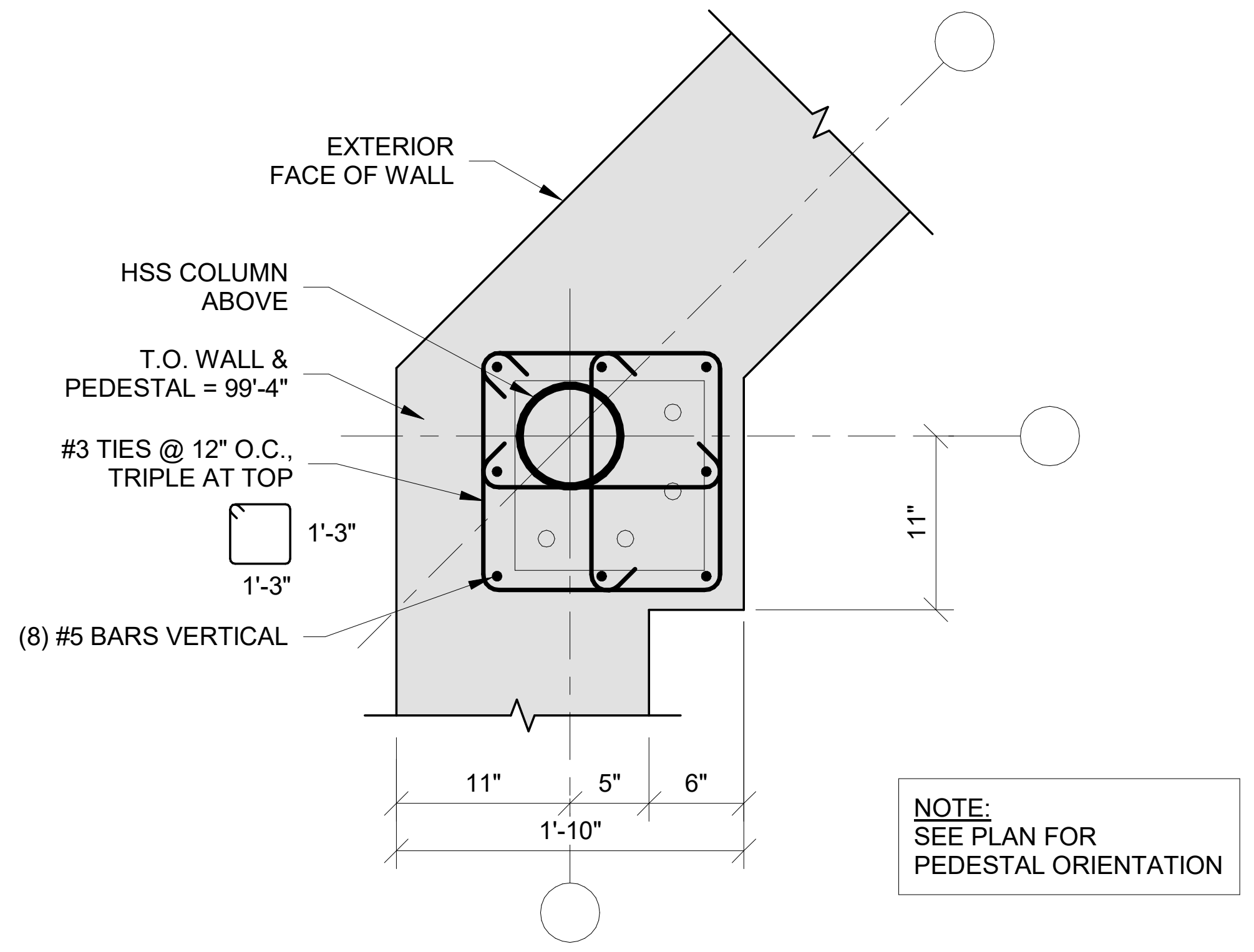


NOTE:
SEE PLAN FOR
PEDESTAL ORIENTATION

2 S504 PEDESTAL P18
1" = 1'-0"

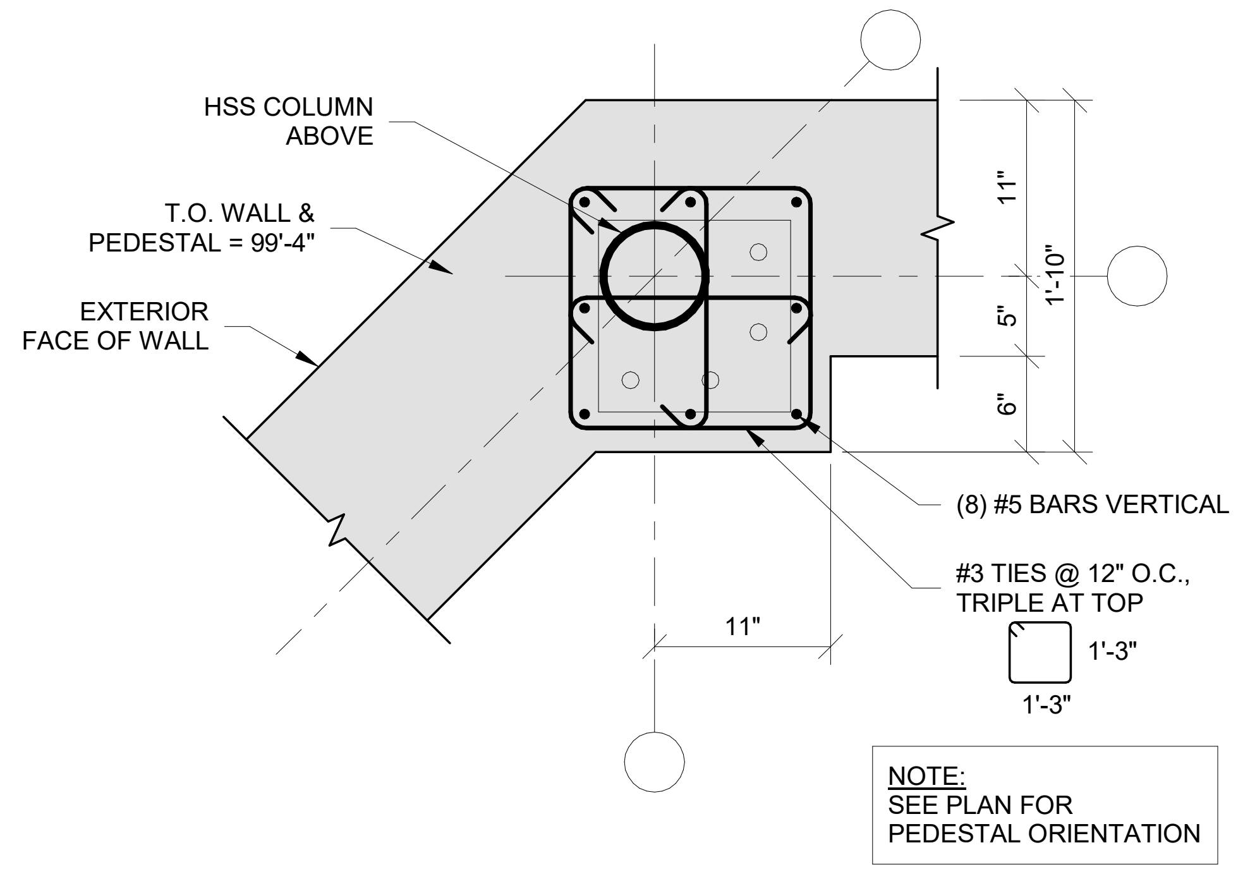


3 S504 PEDESTAL P19
1" = 1'-0"



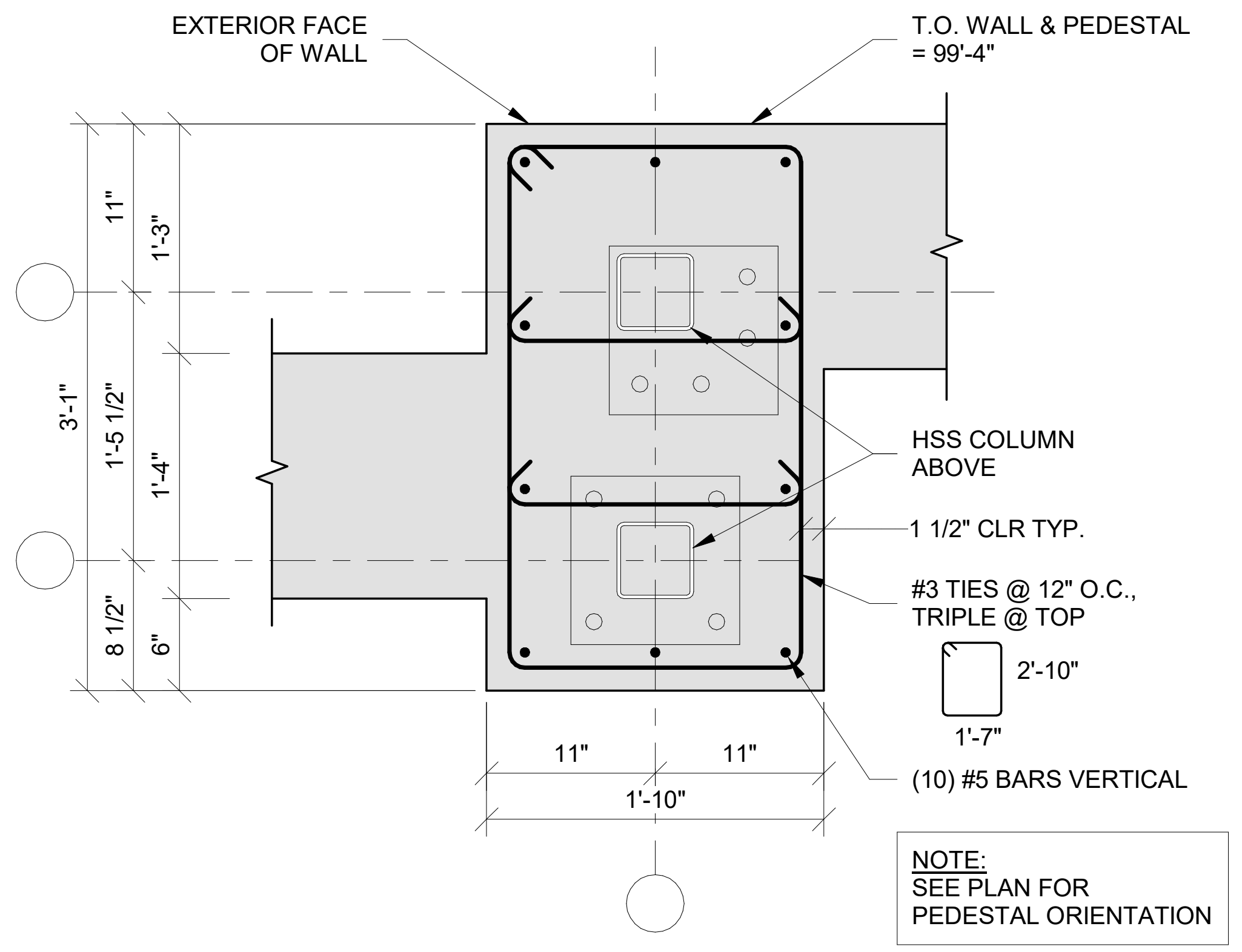
NOTE:
SEE PLAN FOR
PEDESTAL ORIENTATION

4 S504 PEDESTAL P20
1" = 1'-0"



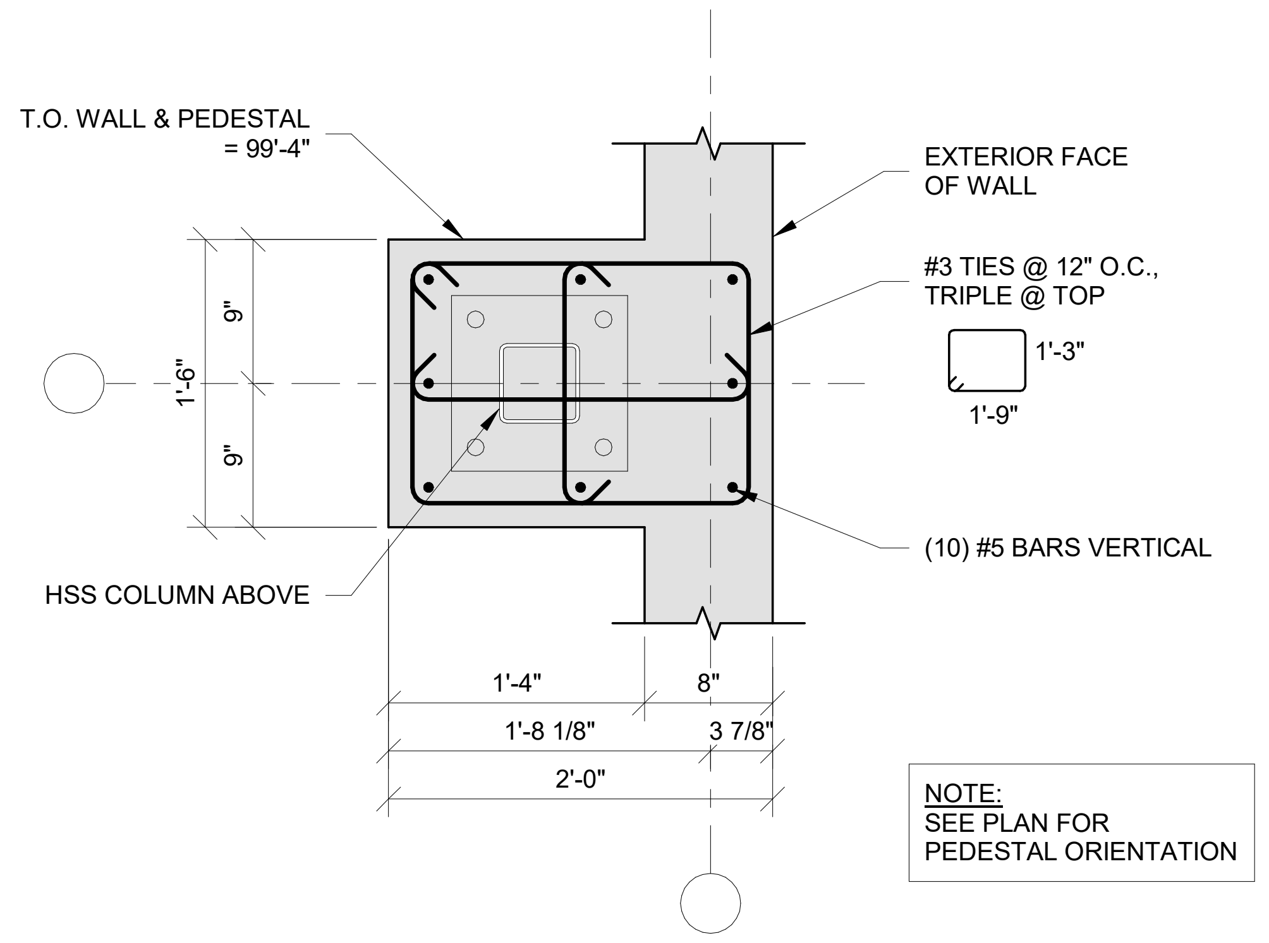
NOTE:
SEE PLAN FOR
PEDESTAL ORIENTATION

5 S504 PEDESTAL P21
1" = 1'-0"



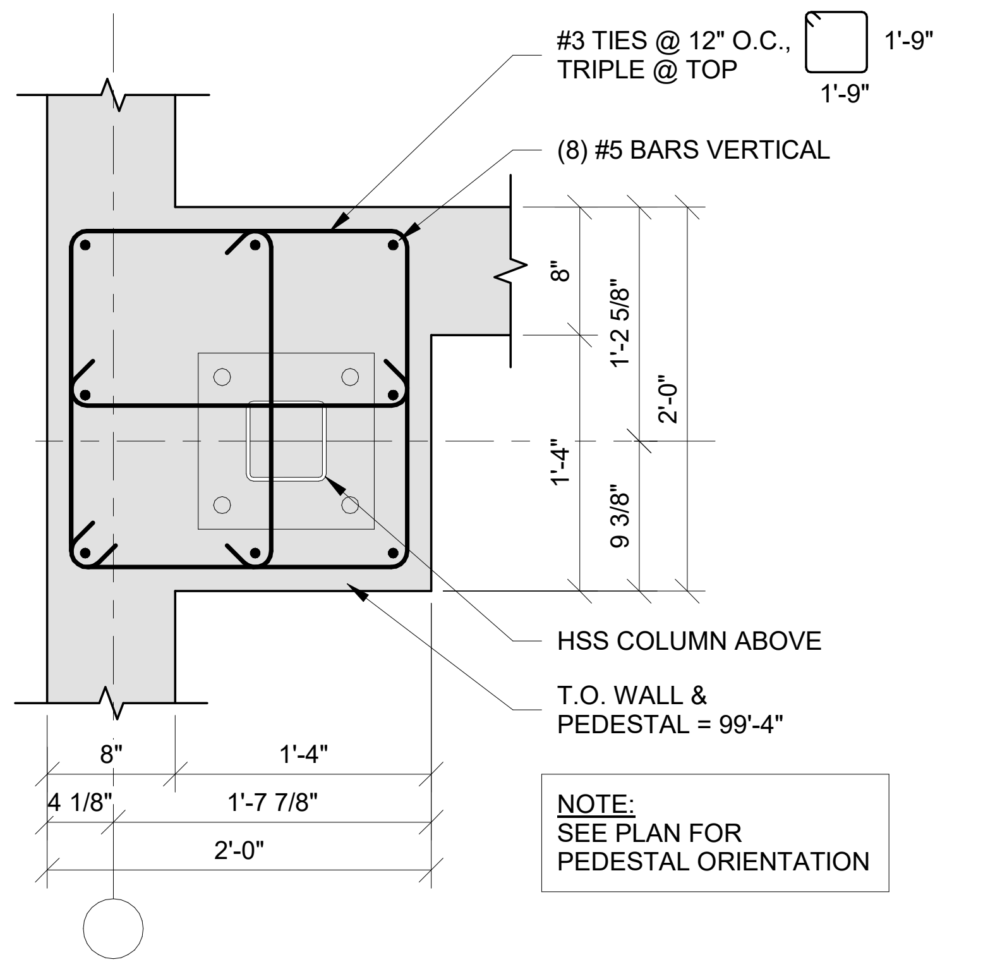
NOTE:
SEE PLAN FOR
PEDESTAL ORIENTATION

6 S504 PEDESTAL P22
1" = 1'-0"



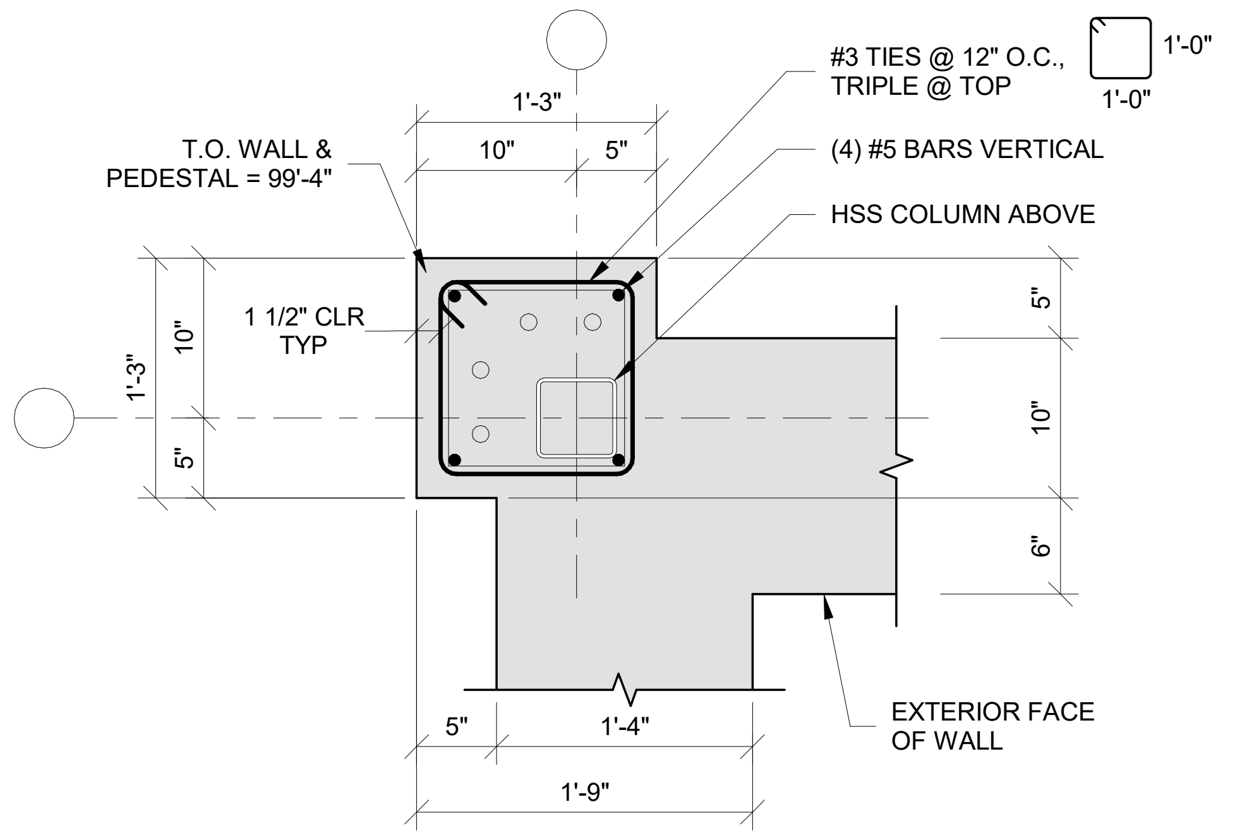
NOTE:
SEE PLAN FOR
PEDESTAL ORIENTATION

7 S504 PEDESTAL P23
1" = 1'-0"

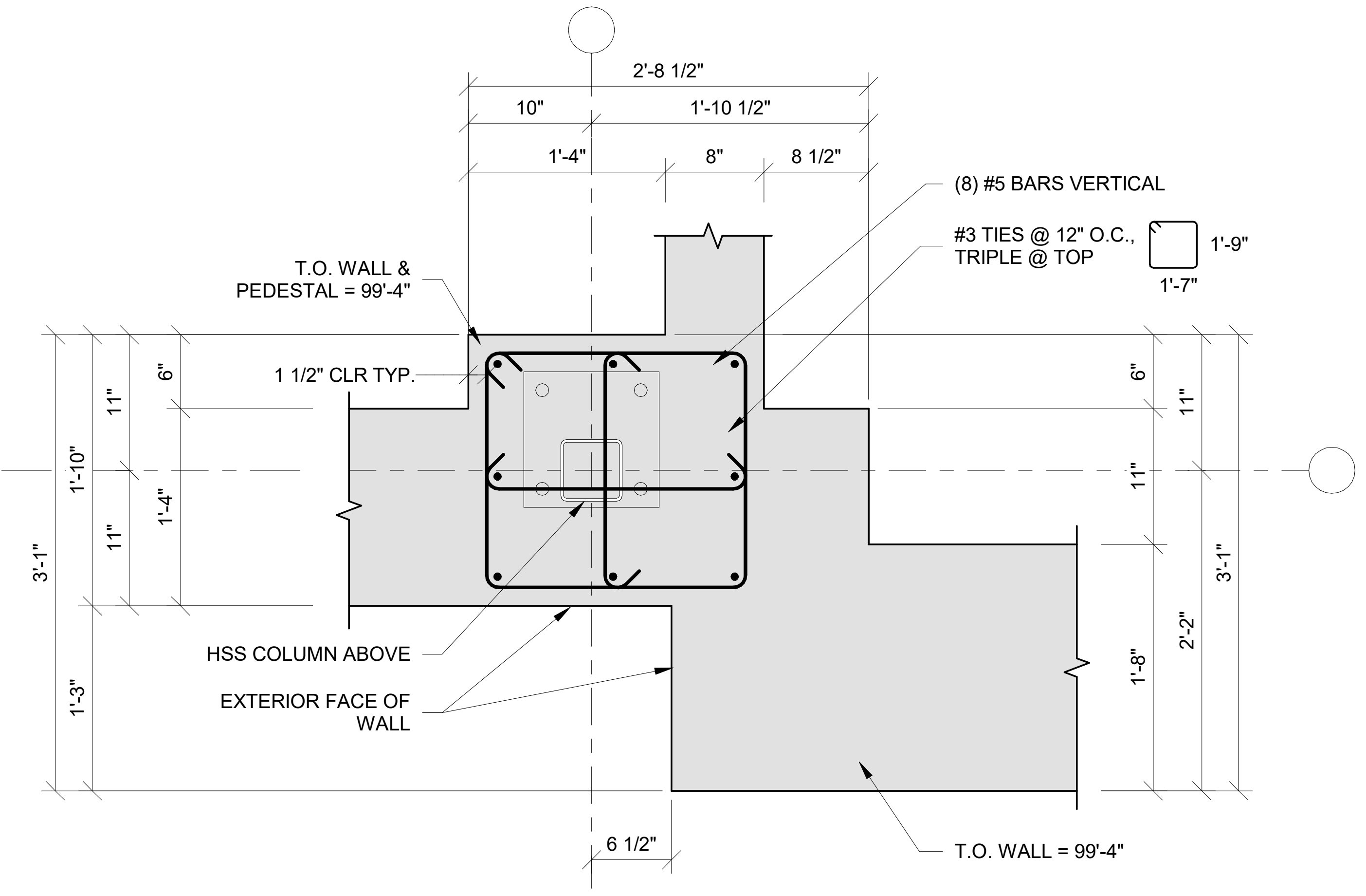


NOTE:
SEE PLAN FOR
PEDESTAL ORIENTATION

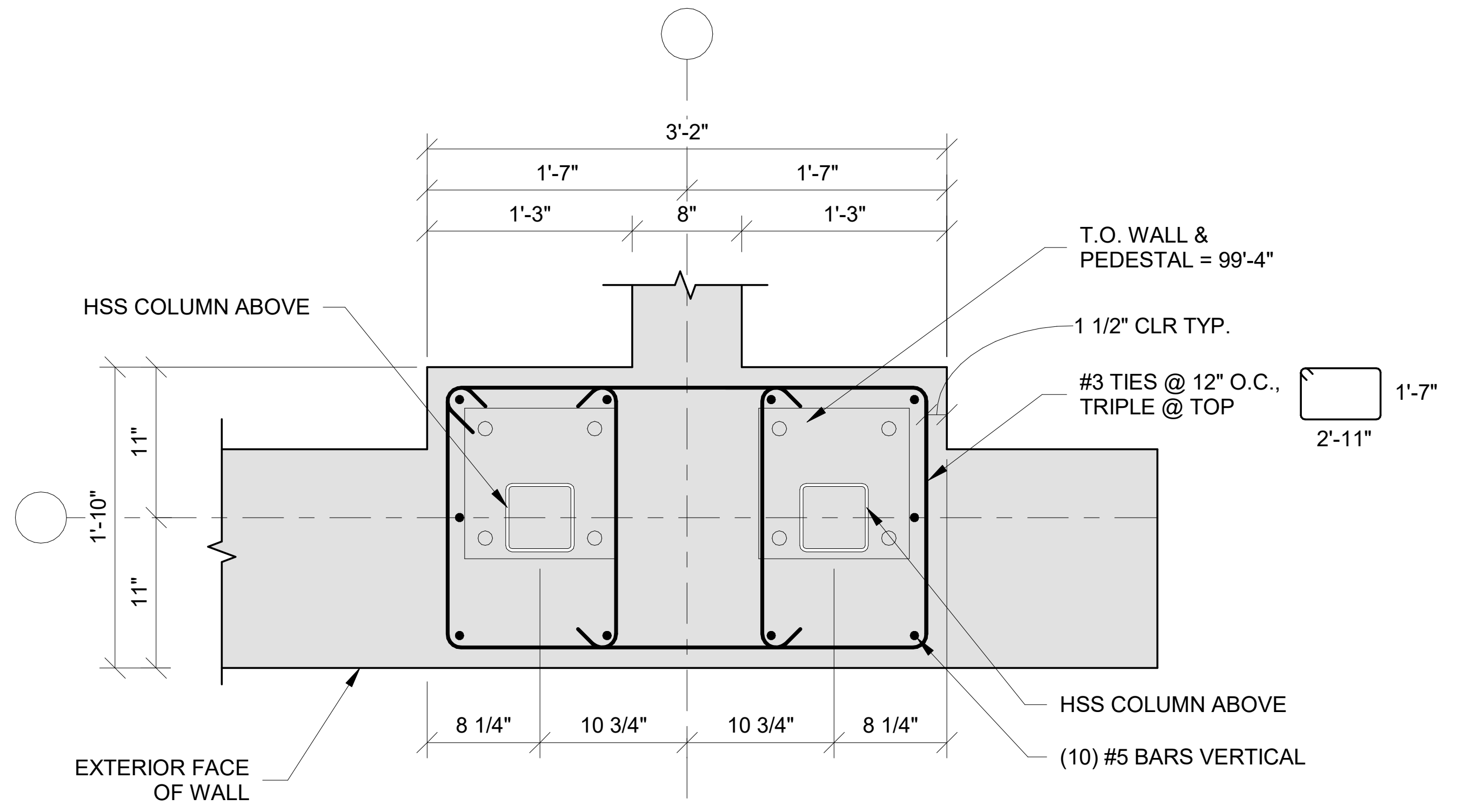
8 S504 PEDESTAL P24
1" = 1'-0"



9 S504 PEDESTAL P25
1" = 1'-0"



10 S504 PEDESTAL P26
1" = 1'-0"



11 S504 PEDESTAL P27
1" = 1'-0"

2

1
- TYPICAL MASONRY DETAILS MOVED TO SHEET S511
- SHEET REPURPOSED FOR NEW PEDESTAL DETAILS

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Autodesk Docs://2023000333 - Discovery Park Lee's Summit/2023000333 - Rosemann - Lot 4_R23.rvt

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THE VILLAGE AT DISCOVERY - LOT 4

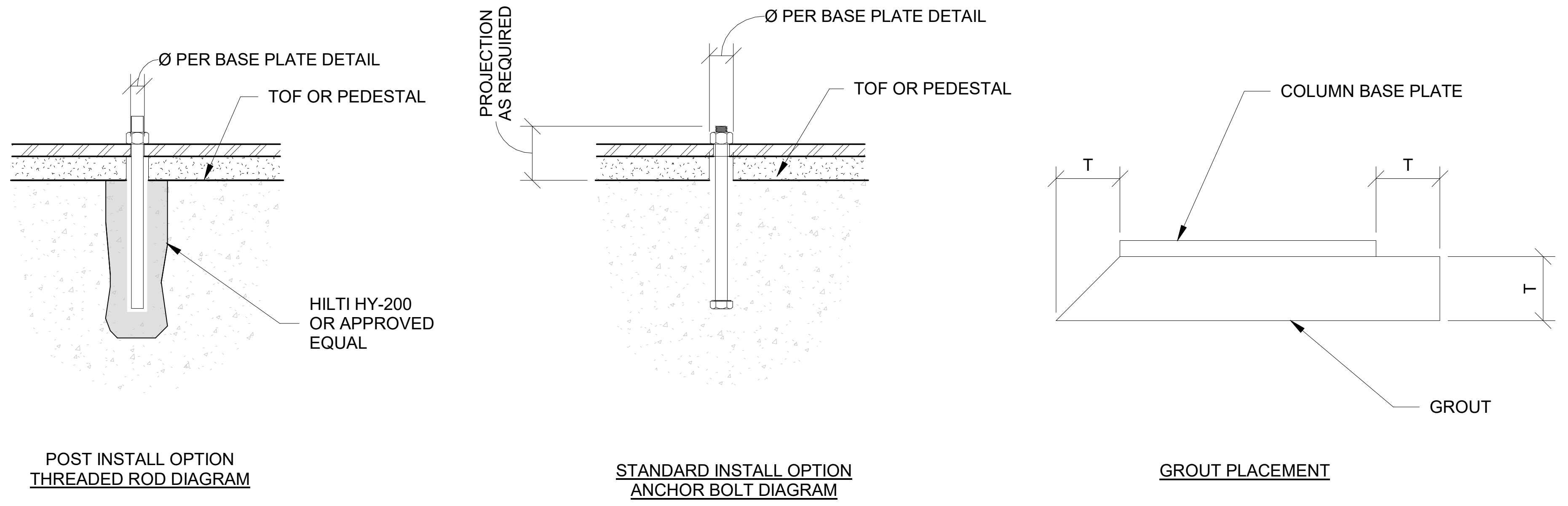
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
PEDESTAL DETAILS

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S504



POST INSTALL OPTION
THREADED ROD DIAGRAM

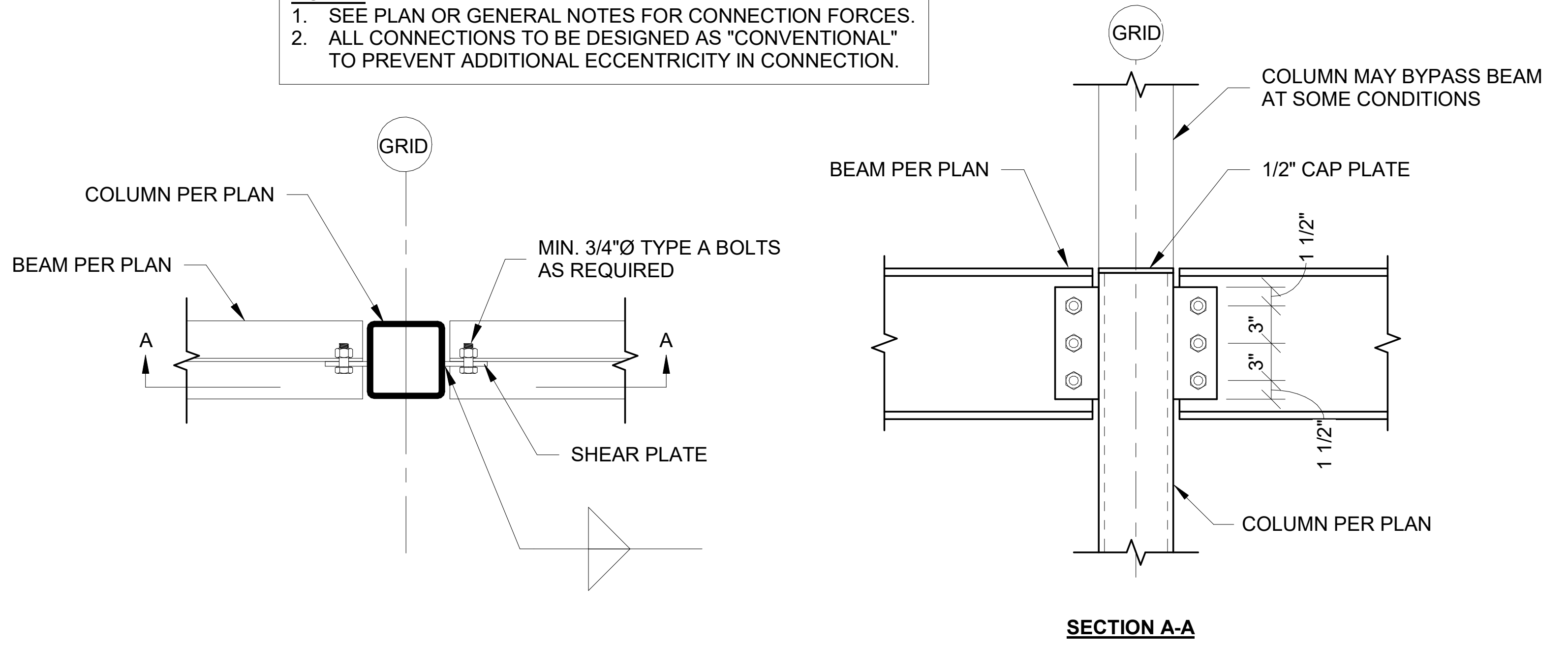
STANDARD INSTALL OPTION
ANCHOR BOLT DIAGRAM

GROUT PLACEMENT

GROUT MAY BE BEVELED OR FORMED BUT SHALL EXTEND A MIN "T" BEYOND FACE OF BASE PLATE. "T"=1 1/2" FOR ANCHOR BOLT Ø UP TO 1"

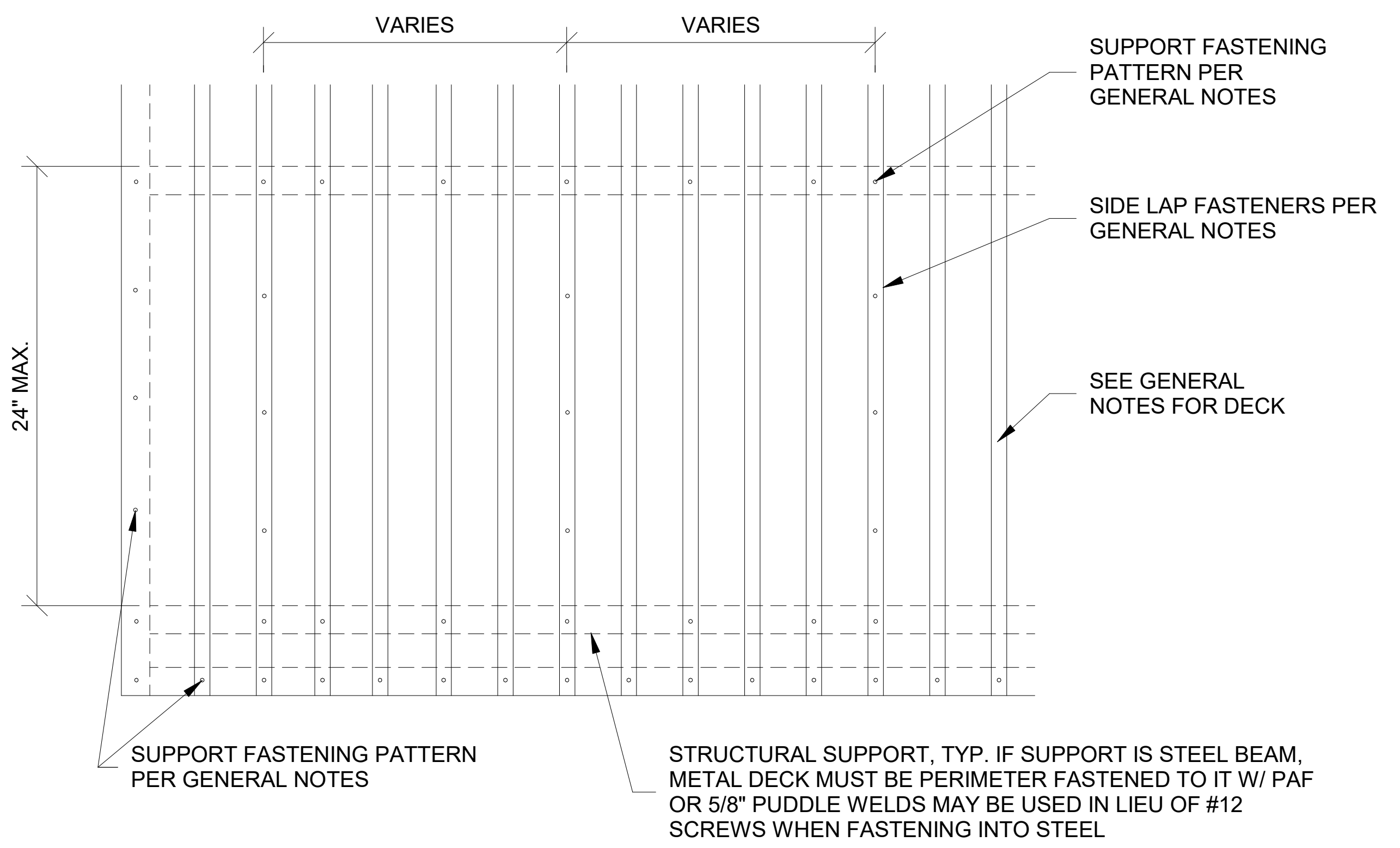
1 COLUMN ANCHOR BOLT DETAILS
S510 1 1/2" = 1'-0"

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



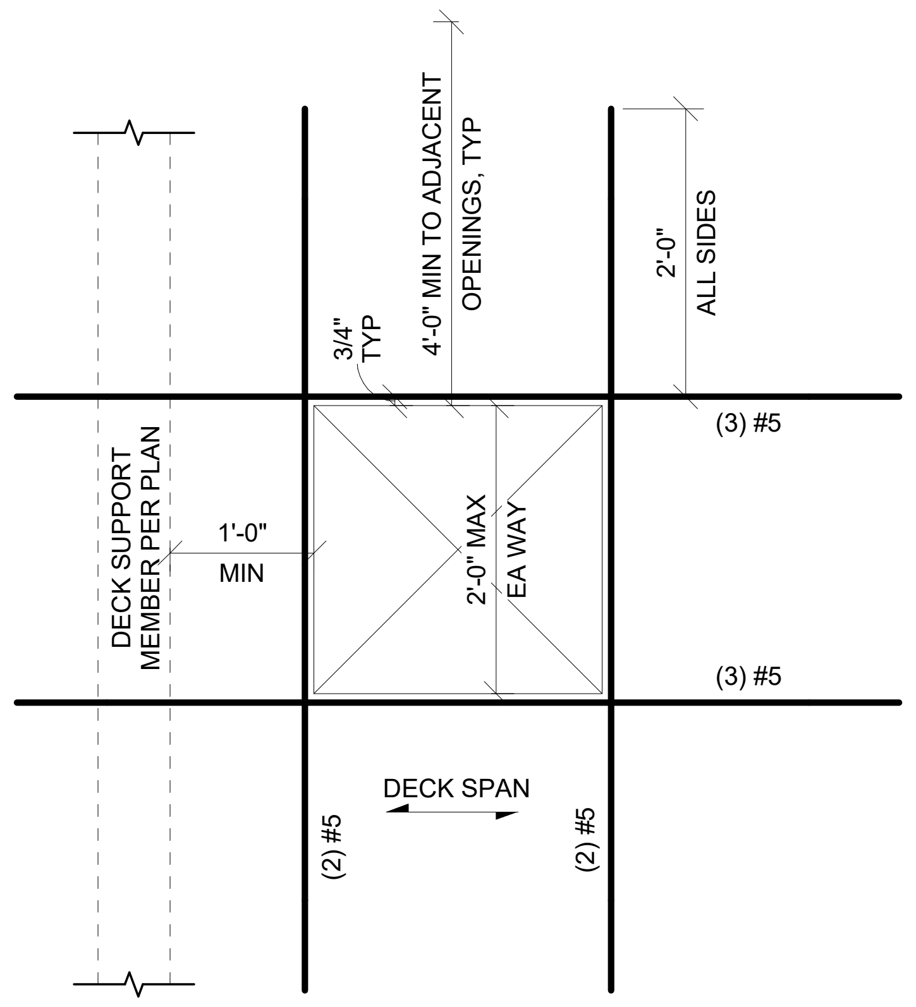
SECTION A-A

3 TYPICAL BEAM TO COLUMN SHEAR CONNECTION
S510 1" = 1'-0"

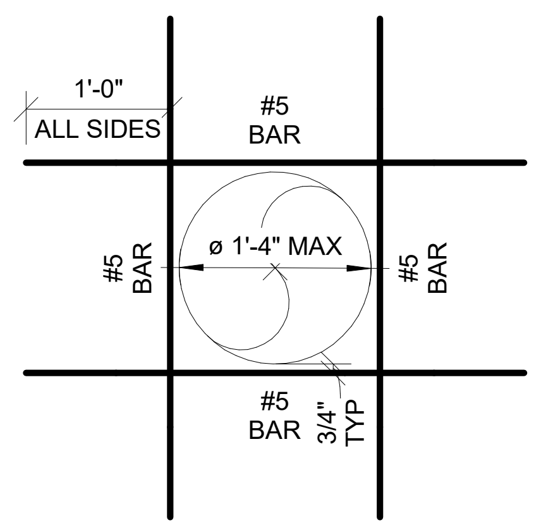

VARIES
VARIES
24" MAX.
SUPPORT FASTENING PATTERN PER GENERAL NOTES
SIDE LAP FASTENERS PER GENERAL NOTES
SEE GENERAL NOTES FOR DECK
SUPPORT FASTENING PATTERN PER GENERAL NOTES
STRUCTURAL SUPPORT, TYP. IF SUPPORT IS STEEL BEAM, METAL DECK MUST BE PERIMETER FASTENED TO IT W/ PAF OR 5/8" PUDDLE WELDS MAY BE USED IN LIEU OF #12 SCREWS WHEN FASTENING INTO STEEL

4 DECK FASTENING DETAIL
S510 1" = 1'-0"

NOTES:
1. METAL DECK TO REMAIN UNCUT AND IN PLACE UNTIL CONCRETE HAS OBTAINED F'C OF 3 KSI.
2. OPENING PLACEMENT MUST BE COORDINATED TO AVOID INTERUPTING DIAPHRAGM REINFORCING.

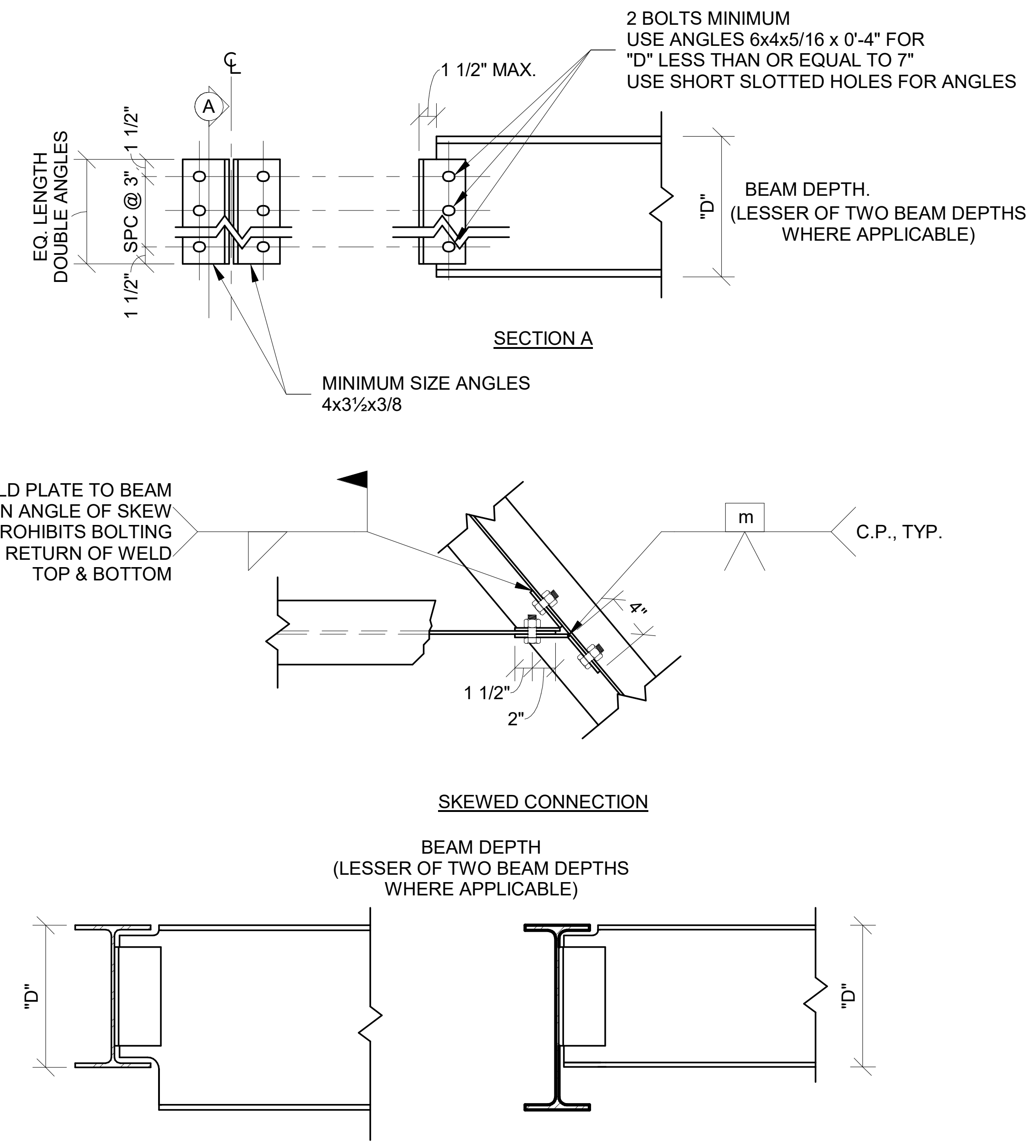


RECTANGULAR FLOOR PENETRATION



CIRCULAR FLOOR PENETRATION

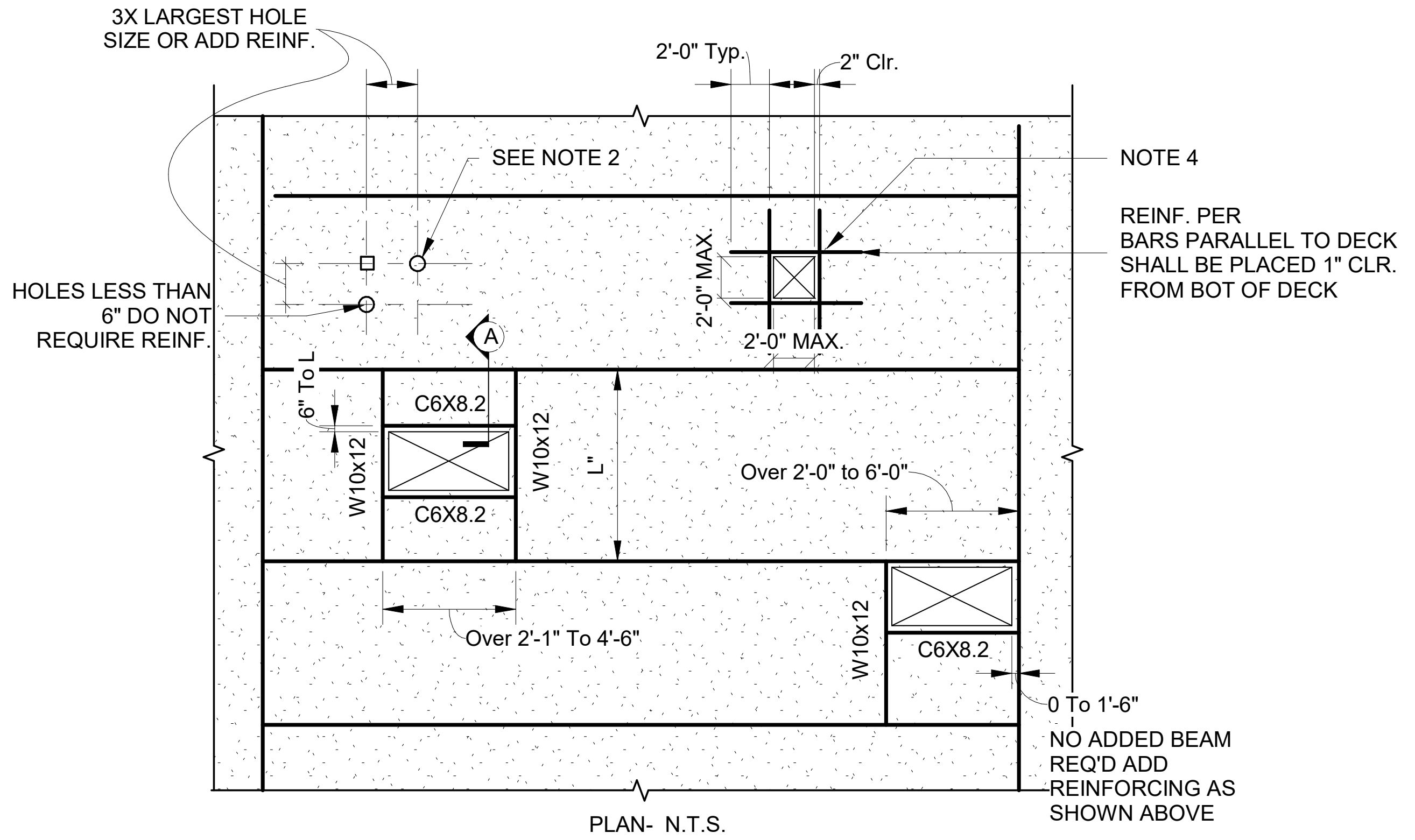
7 REINFORCED OPENING IN SLAB ON METAL DECK
S510 3/4" = 1'-0"


EQ. LENGTH DOUBLE ANGLES
1 1/2"
SPC @ 3"
1 1/2"
A
1 1/2" MAX.
2 BOLTS MINIMUM
USE ANGLES 6x4x5/16 x 0'-4" FOR
"D" LESS THAN OR EQUAL TO 7"
USE SHORT SLOTTED HOLES FOR ANGLES
"D"
BEAM DEPTH.
(LESSER OF TWO BEAM DEPTHS WHERE APPLICABLE)
MINIMUM SIZE ANGLES 4x3½x3/8
WELD PLATE TO BEAM WHEN ANGLE OF SKEW PROHIBITS BOLTING 1" RETURN OF WELD TOP & BOTTOM
m
C.P., TYP.
4"
1 1/2"
2"
BEAM DEPTH
(LESSER OF TWO BEAM DEPTHS WHERE APPLICABLE)
"D"
"D"

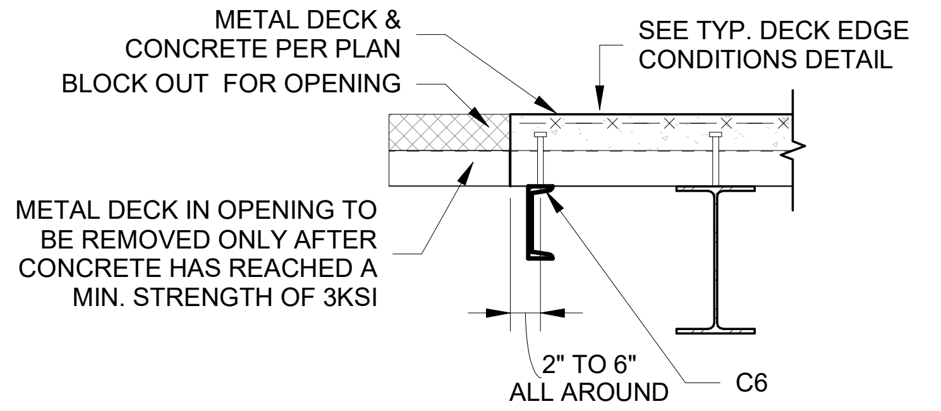
SECTION A

SKEWED CONNECTION

2 BEAM TO BEAM CONNECTION
S510 1" = 1'-0"


3X LARGEST HOLE SIZE OR ADD REINF.
2'-0" Typ.
2" Clr.
SEE NOTE 2
NOTE 4
REINF. PER BARS PARALLEL TO DECK SHALL BE PLACED 1" CLR. FROM BOT OF DECK
HOLES LESS THAN 6" DO NOT REQUIRE REINF.
2'-0" MAX.
2'-0" MAX.
A
6" To L
C6X8.2
W10x12
C6X8.2
W10x12
"L"
Over 2'-0" to 6'-0"
Over 2'-1" To 4'-6"
W10x12
C6X8.2
0 To 1'-6"
NO ADDED BEAM REQ'D ADD REINFORCING AS SHOWN ABOVE

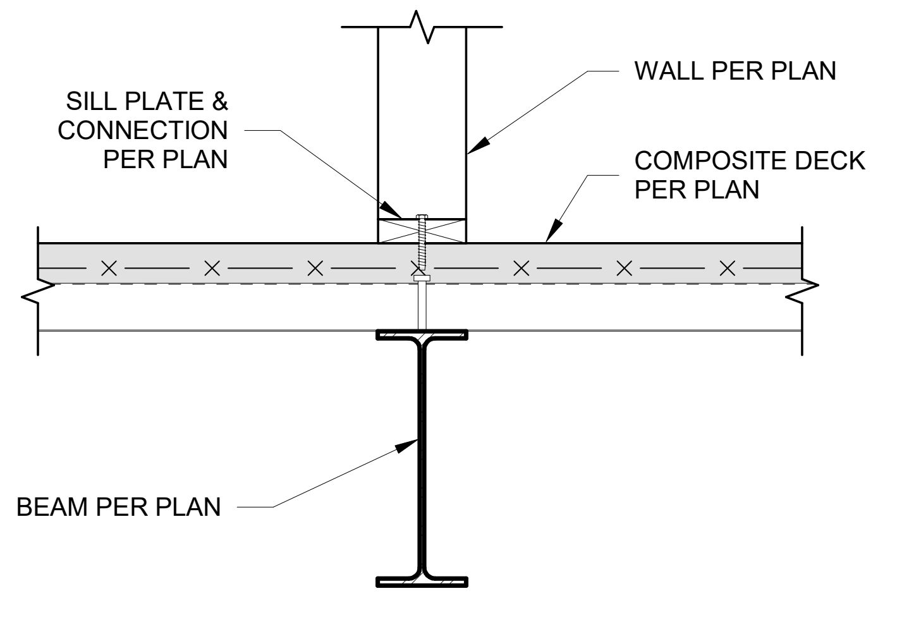
PLAN- N.T.S.


METAL DECK & CONCRETE PER PLAN
BLOCK OUT FOR OPENING
SEE TYP. DECK EDGE CONDITIONS DETAIL
METAL DECK IN OPENING TO BE REMOVED ONLY AFTER CONCRETE HAS REACHED A MIN. STRENGTH OF 3KSI
2" TO 6" ALL AROUND
C6

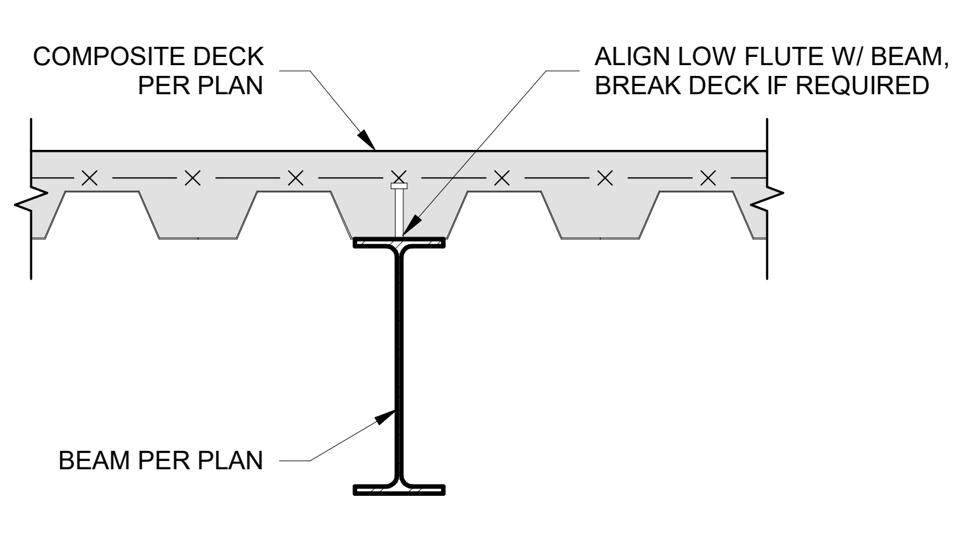
SECTION A

NOTES:
1. BLOCK OUT OPENING BEFORE PLACING CONCRETE.
2. REMOVE BLOCKOUT & CUT DECK AFTER CONCRETE HAS CURED
3. CONTRACTOR SHALL COORDINATE OPENING SIZE & LOCATION W/ MECH. & ELEC. CONTRACTORS & ARCH DRAWINGS
4. THE OPENING NOTED REQUIRES A CLEAR SPACING FROM ADJACENT OPENING OF THREE TIMES THE MAX OPENING DIMENSION. IF REQUIRED LAYOUT CANNOT CONFORM TO THESE REQUIREMENTS. REINFORCE GROUP AS IF ONE COMBINED PENETRATION.

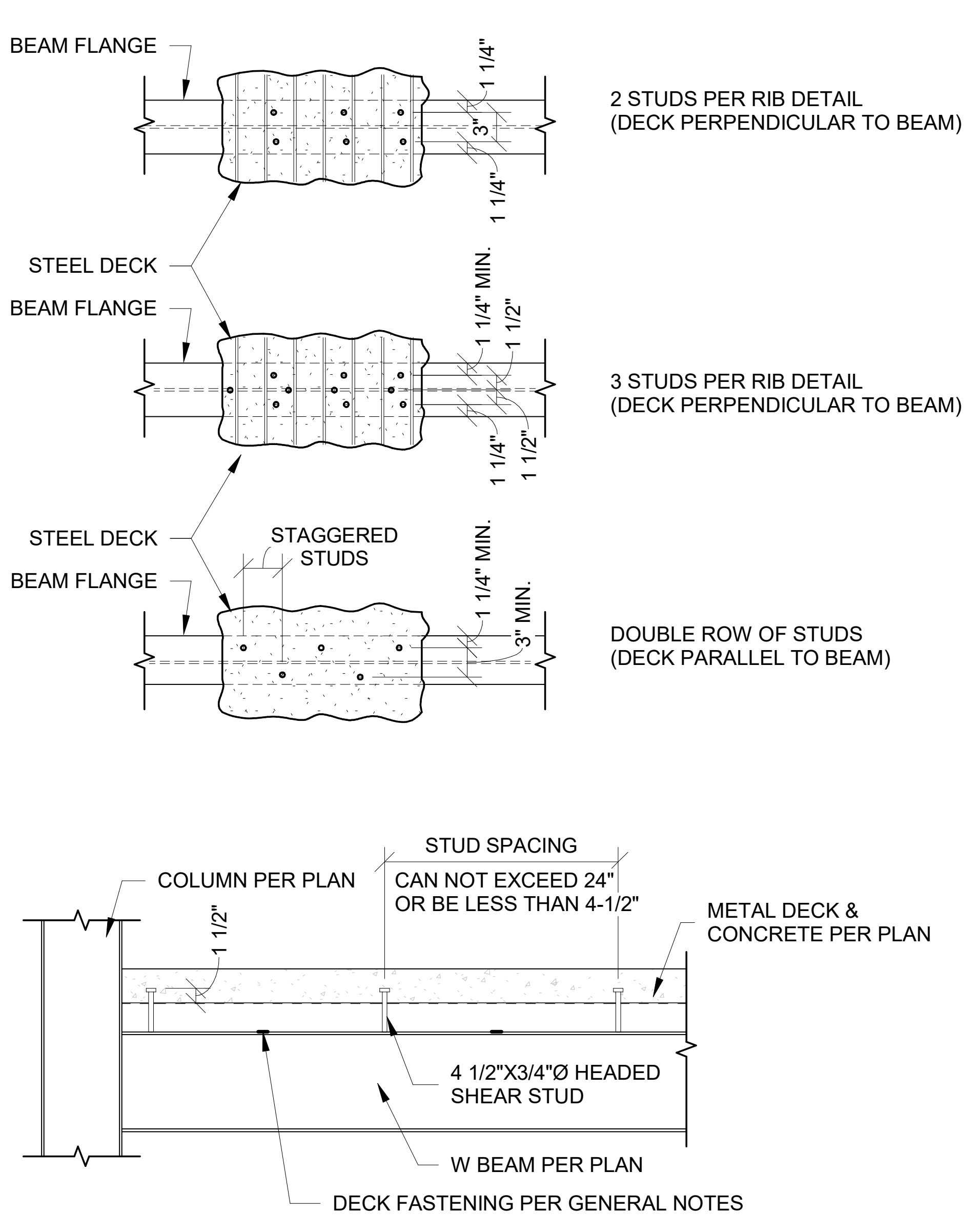
5 TYPICAL FLOOR DECK OPENING
S510 3/4" = 1'-0"



8 COMPOSITE DECK BEARING AT BEAM
S510 1" = 1'-0"

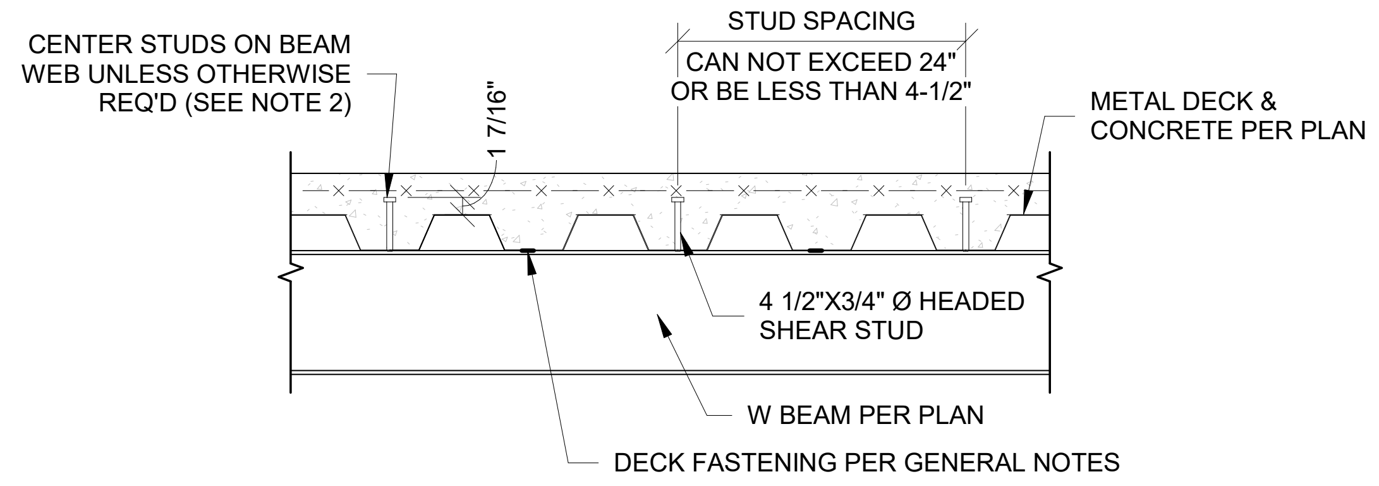


9 COMPOSITE DECK PARALLEL TO BEAM
S510 1" = 1'-0"


BEAM FLANGE
1 1/4"
3"
1 1/4"
2 STUDS PER RIB DETAIL (DECK PERPENDICULAR TO BEAM)
STEEL DECK
BEAM FLANGE
1 1/4" MIN.
1 1/2"
1 1/4"
1 1/2"
3 STUDS PER RIB DETAIL (DECK PERPENDICULAR TO BEAM)
STEEL DECK
STAGGERED STUDS
BEAM FLANGE
1 1/4" MIN.
3" MIN.
DOUBLE ROW OF STUDS (DECK PARALLEL TO BEAM)
COLUMN PER PLAN
STUD SPACING
CAN NOT EXCEED 24" OR BE LESS THAN 4-1/2"
METAL DECK & CONCRETE PER PLAN
1 1/2"
4 1/2"X3/4"Ø HEADED SHEAR STUD
W BEAM PER PLAN
DECK FASTENING PER GENERAL NOTES

DECK IS PARALLEL TO BEAM

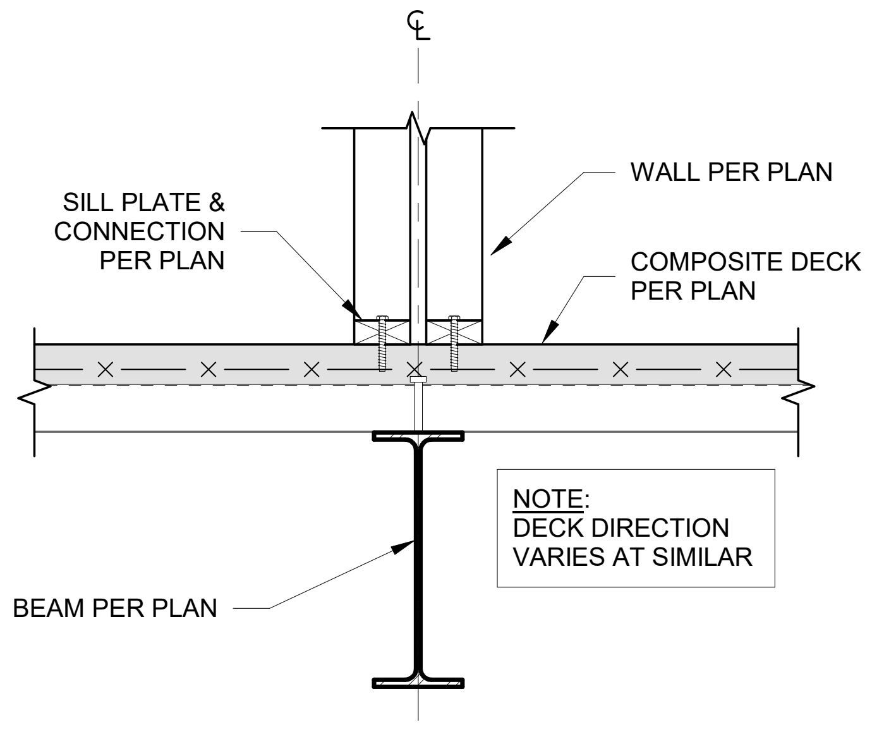
NOTES:
1. SPACE STUDS EQUALLY WITHIN BEAM SEGMENT. WHERE STUD SPACING EXCEEDS 24", PROVIDE ADDITIONAL STUDS AS NECESSARY TO MAINTAIN A 24" MAX STUD SPACING.
2. PLACE STUDS IN SINGLE ROW UNLESS NUMBER OF STUDS RESULTS IN SPACING LESS THAN 4-1/2". WHERE SPACING WOULD BE LESS THAN 4-1/2", PROVIDE A DOUBLE ROW OF STUDS IN A STAGGERED PATTERN RATHER THAN SIDE BY SIDE.
3. MAINTAIN TRANSVERSE SPACING BETWEEN STUDS & EDGE DIMENSIONS AS SHOWN ON PLAN DETAIL ABOVE.


CENTER STUDS ON BEAM WEB UNLESS OTHERWISE REQ'D (SEE NOTE 2)
1 7/16"
STUD SPACING
CAN NOT EXCEED 24" OR BE LESS THAN 4-1/2"
METAL DECK & CONCRETE PER PLAN
4 1/2"X3/4" Ø HEADED SHEAR STUD
W BEAM PER PLAN
DECK FASTENING PER GENERAL NOTES

DECK IS PERPENDICULAR TO BEAM

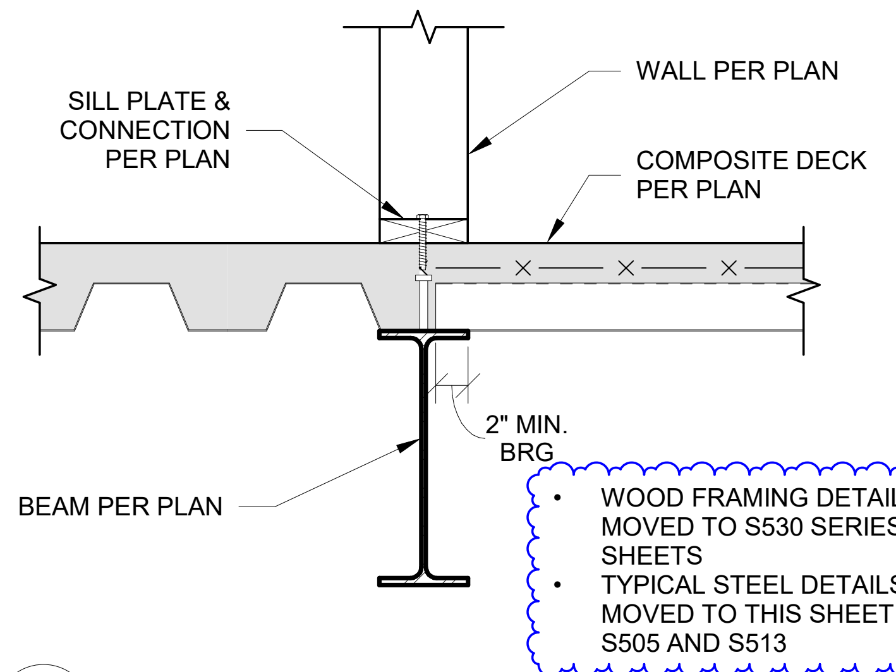
NOTES:
1. SEE PLAN FOR REQUIRED NUMBER OF STUDS. STUDS SHALL BE PLACED AT A MAXIMUM SPACING OF 2'-0" ALONG THE BEAM AXIS UNLESS NOTED OTHERWISE ON PLAN OR NUMBER OF STUDS INDICATED REQUIRES CLOSER SPACING. SEE "GENERAL NOTES" FOR MINIMUM NUMBER OF STUDS AND MINIMUM STEEL COMPOSITE DECK TO STEEL BEAM FASTENING REQUIREMENTS.
2. SPACE STUDS AS EVENLY AS POSSIBLE IN AVAILABLE DECK FLUTES. WHERE STUD SPACING EXCEEDS 24", PROVIDE ADDITIONAL STUDS AS NECESSARY TO MAINTAIN A 24" MAX STUD SPACING.
3. WHERE THE NUMBER OF STUDS EXCEEDS THE NUMBER OF FLUTES, INSTALL REMAINING STUDS IN DOUBLE OR TRIPLE ROW, STARTING FROM THE BEAM ENDS & WORKING TOWARDS THE CENTER. UNLESS NOTED OTHERWISE, STUDS ARE TO BE EQUALLY SPACED ALONG THE BEAM LENGTH AND PLACED SYMMETRICALLY ABOUT THE BEAM CENTERLINE AXIS. IF EQUAL SPACING IS NOT POSSIBLE DUE TO DECK CONFIGURATION, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED.
4. THE REQUIRED NUMBER OF STUD ROWS SHALL BE DETERMINED AS FOLLOWS (BEAM LENGTH IN FEET):
   A. FOR DECK FLUTES PERPENDICULAR TO THE BEAM:
      a. # ROWS = # STUDS / BEAM LENGTH
   B. FOR DECK FLUTES PARALLEL TO THE BEAM:
      a. # ROWS = (0.375 x # STUDS) / BEAM LENGTH
5. FOR DECK FLUTES PARALLEL TO THE BEAM, THE FIRST STUD (OR STUDS) SHALL BE PLACED 6" FROM THE BEAM ENDS. FOR DECK FLUTES PERPENDICULAR TO THE BEAM, THE FIRST STUD (OR STUDS) SHALL BE PLACED IN THE FLUTE CLOSEST TO THE BEAM ENDS.
6. FOR CANTILEVER SPANS, STUDS SHALL BE PLACED IN ONE ROW ALONG THE BEAM CENTERLINE AXIS AT A MAXIMUM SPACING OF 2'-0". STUDS PLACED ON THE CANTILEVER SPAN ARE NOT INCLUDED IN THE NUMBER OF STUDS SHOWN ON THE DRAWINGS.
7. WHERE BEAM FLANGE THICKNESS IS LESS THAN 0.30", STUDS MUST BE PLACED AT CENTERLINE OF THE BEAM
8. MAINTAIN TRANSVERSE SPACING BETWEEN STUDS & EDGES DIMENSIONS AS SHOWN ON PLAN DETAILS ABOVE.

6 SHEAR STUD PLACEMENT DIAGRAM
S510 3/4" = 1'-0"



NOTE:
DECK DIRECTION VARIES AT SIMILAR

10 COMPOSITE DECK BEARING AT BEAM BELOW DEMISING WALL
S510 1" = 1'-0"



11 COMPOSITE DECK TRANSITION AT BEAM
S510 1" = 1'-0"

- WOOD FRAMING DETAILS MOVED TO S530 SERIES SHEETS
- TYPICAL STEEL DETAILS MOVED TO THIS SHEET FROM S505 AND S513

1

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

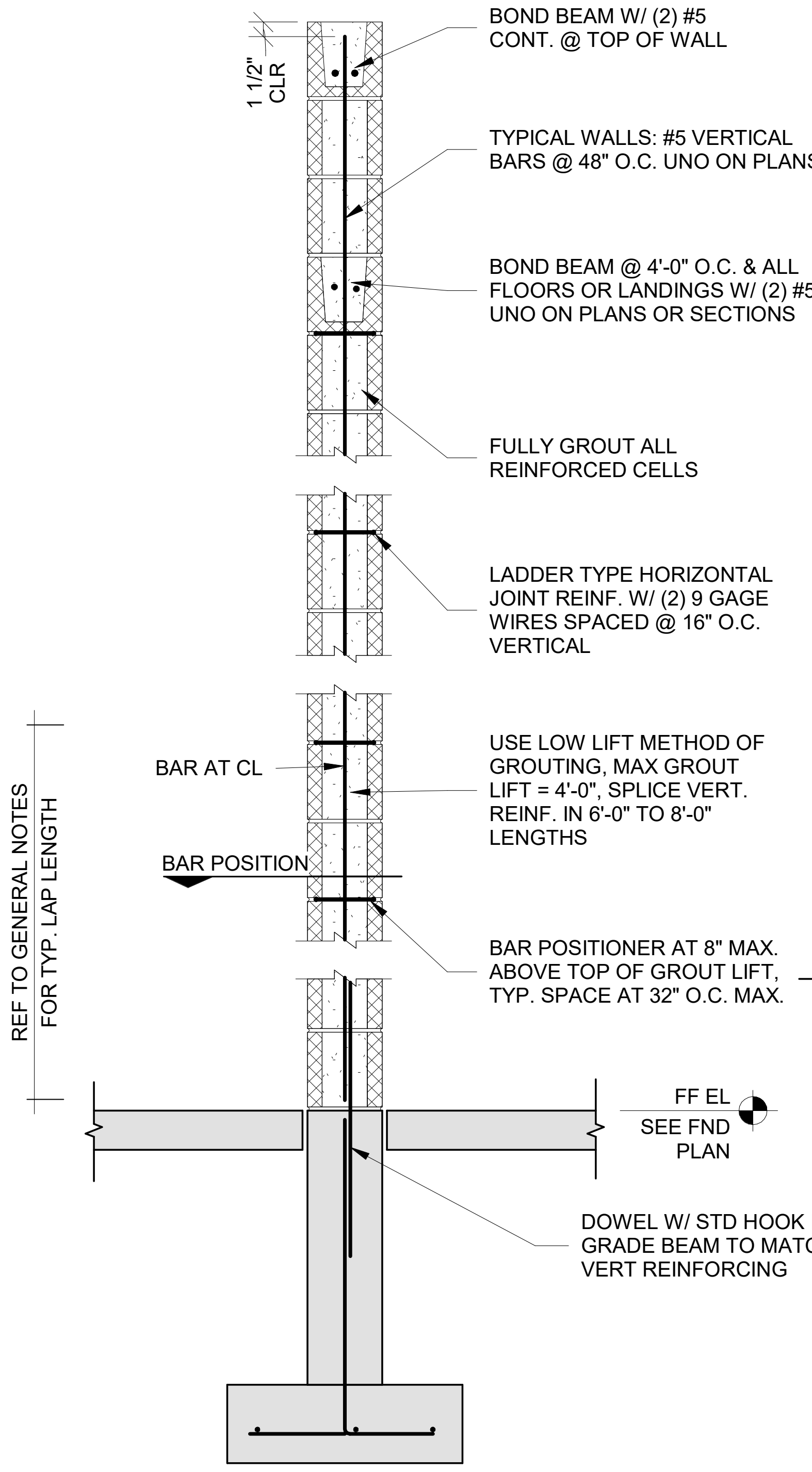
THE VILLAGE AT DISCOVERY - LOT 4

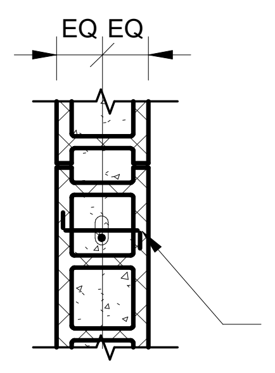
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
TYPICAL STEEL DETAILS

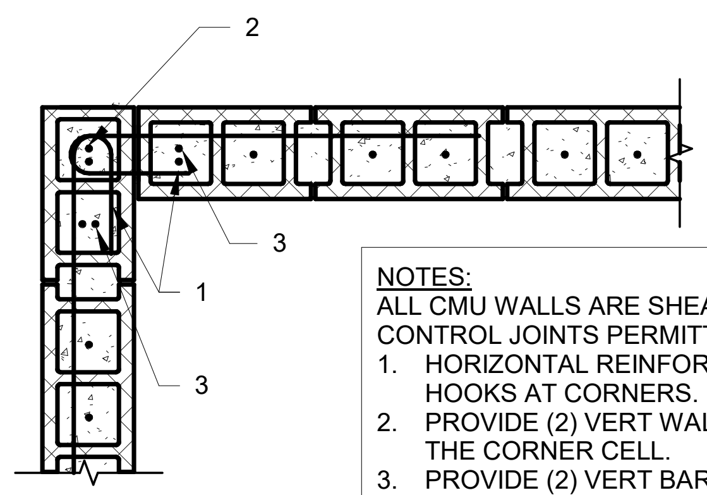
PROJECT NUMBER: 2023000333

SHEET NUMBER:
S510





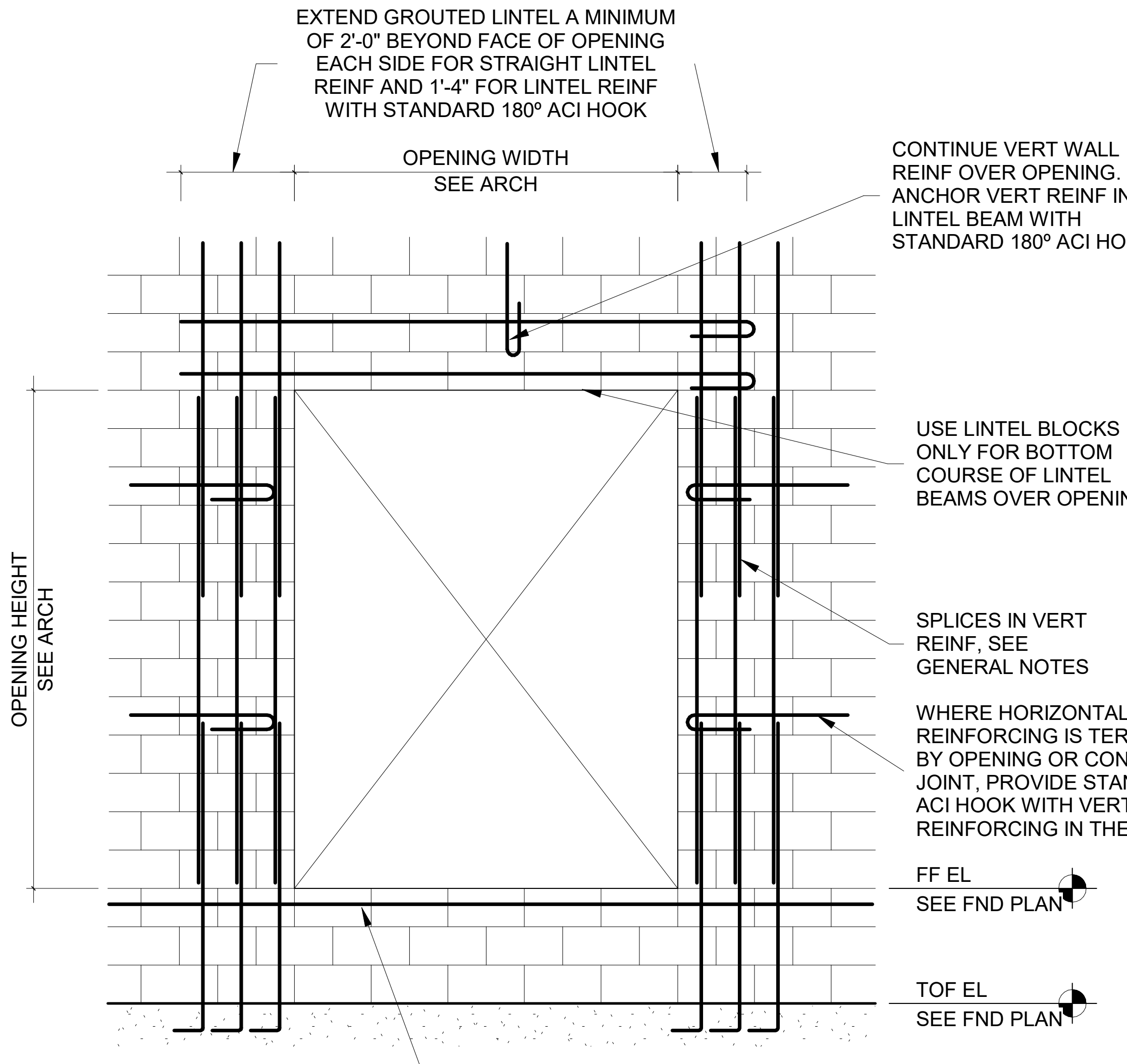
BAR POSITION



NOTES:
ALL CMU WALLS ARE SHEAR WALLS - NO CONTROL JOINTS PERMITTED
1. HORIZONTAL REINFORCING TO HAVE 180º HOOKS AT CORNERS.
2. PROVIDE (2) VERT WALL REINF BARS IN THE CORNER CELL.
3. PROVIDE (2) VERT BARS IN ONE CELL ADJACENT TO CORNER EACH WAY.

CORNER DETAIL

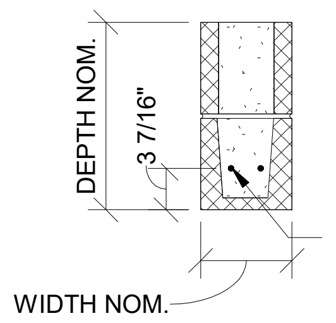
1 CMU WALL REINFORCING DIAGRAM
S511 3/4" = 1'-0"



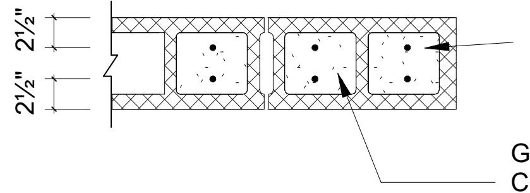
BOND BEAM PER
- PROVIDE 2-#5 AT BOTTOM OF ALL OPENINGS ABOVE FINISH FLOOR. EXTEND MINIMUM OF 2'-0" BEYOND FACE OF OPENING EACH SIDE FOR STRAIGHT REINFORCING AND 1'-4" FOR HOOKED REINFORCING WITH STANDARD 180º ACI HOOK.
- PROVIDE (2) #5 BAR IN BOND BEAM AT SILL LOCATIONS.

CMU LINTEL SCHEDULE

MARK	WIDTH	DEPTH	REINFORCING	STIRRUPS
ALL	8"	16"	(2) #5	-

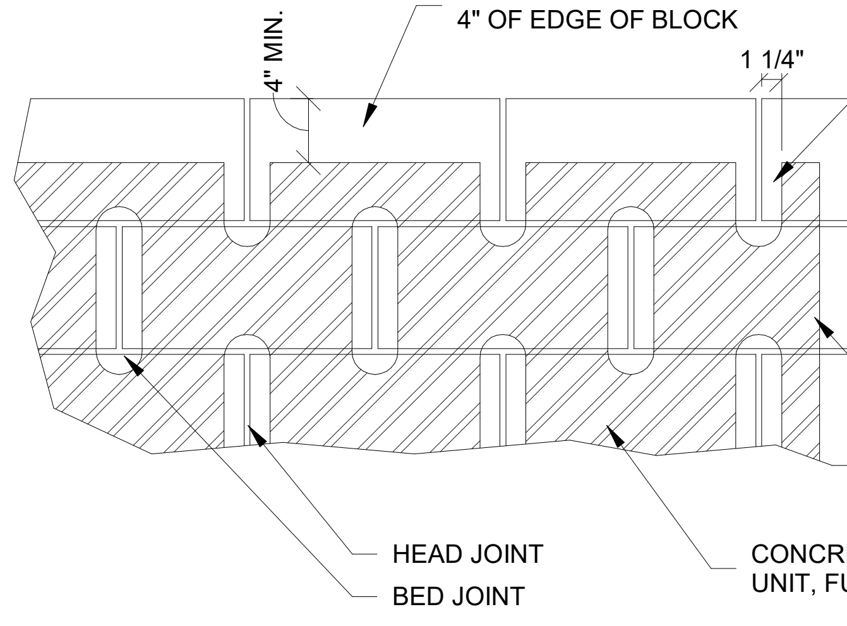


8" CMU LINTEL DETAIL

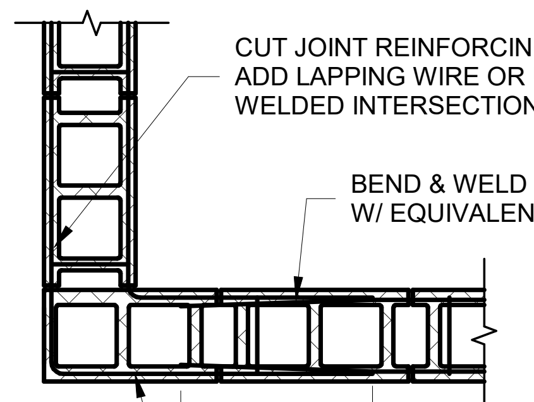

8" AT OPENINGS UP TO 3'-4"
16" AT OPENINGS UP TO 6'-0"
24" AT OPENINGS UP TO 16'-0"
2½"
2½"
2½"
2½"
PROVIDE (2) #5 BARS
EACH CELL FOR
LENGTH REQUIRED, TYP.
GROUT ALL REINFORCED CELLS.
CONTINUE REINFORCING FOR
FULL HEIGHT OF WALL, TYP.

CMU JAMB DETAIL

2 TYPICAL MASONRY OPENING DIAGRAM & SCHEDULE
S511 3/4" = 1'-0"



3 ACCEPTABLE LOCATIONS FOR ANCHORS IN MASONRY
S511 1" = 1'-0"



4 JOINT REINFORCING AT INTERSECTING CMU WALLS
S511 3/4" = 1'-0"

- WOOD FRAMING DETAILS MOVED TO S530 SERIES SHEETS
- TYPICAL MASONRY DETAILS MOVED TO THIS SHEET FROM S504

1

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:
1 10/21/2024 Addendum #1
2 11/11/2024 Addendum #2
3 12/26/2024 Addendum #3

McCLURE™

2001 W Broadway
Columbia, MO 65203
P 573-814-1568

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

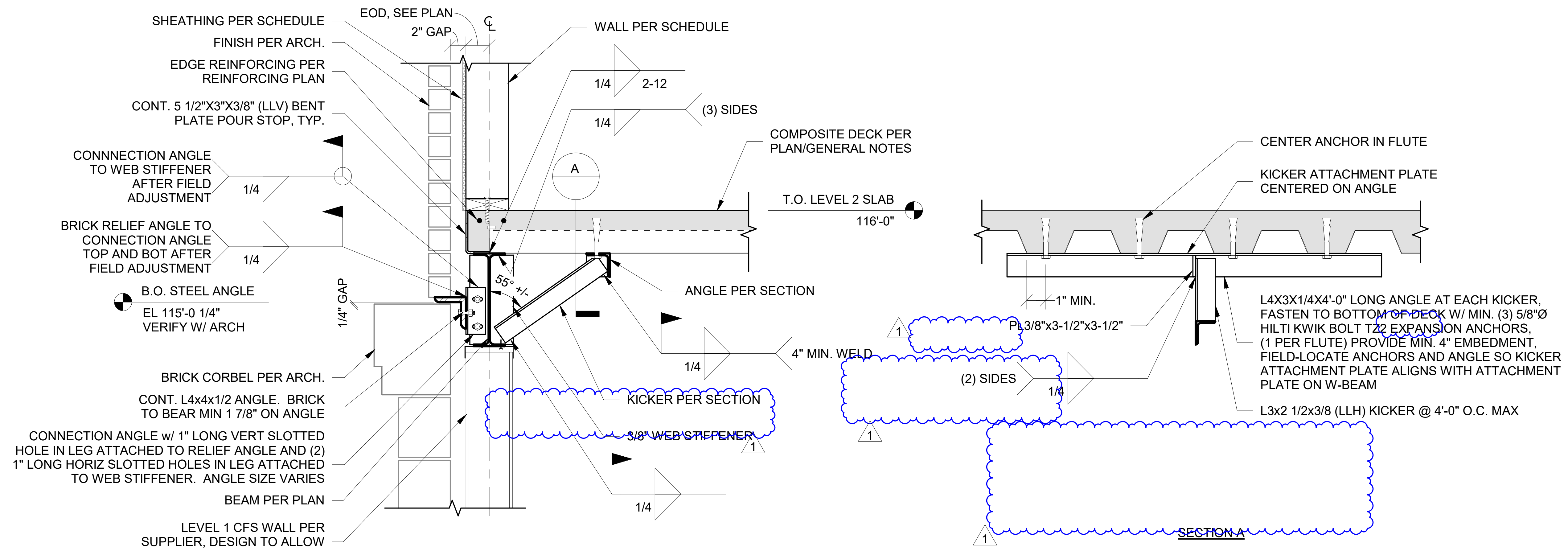
THE VILLAGE AT DISCOVERY -
LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
TYPICAL MASONRY DETAILS

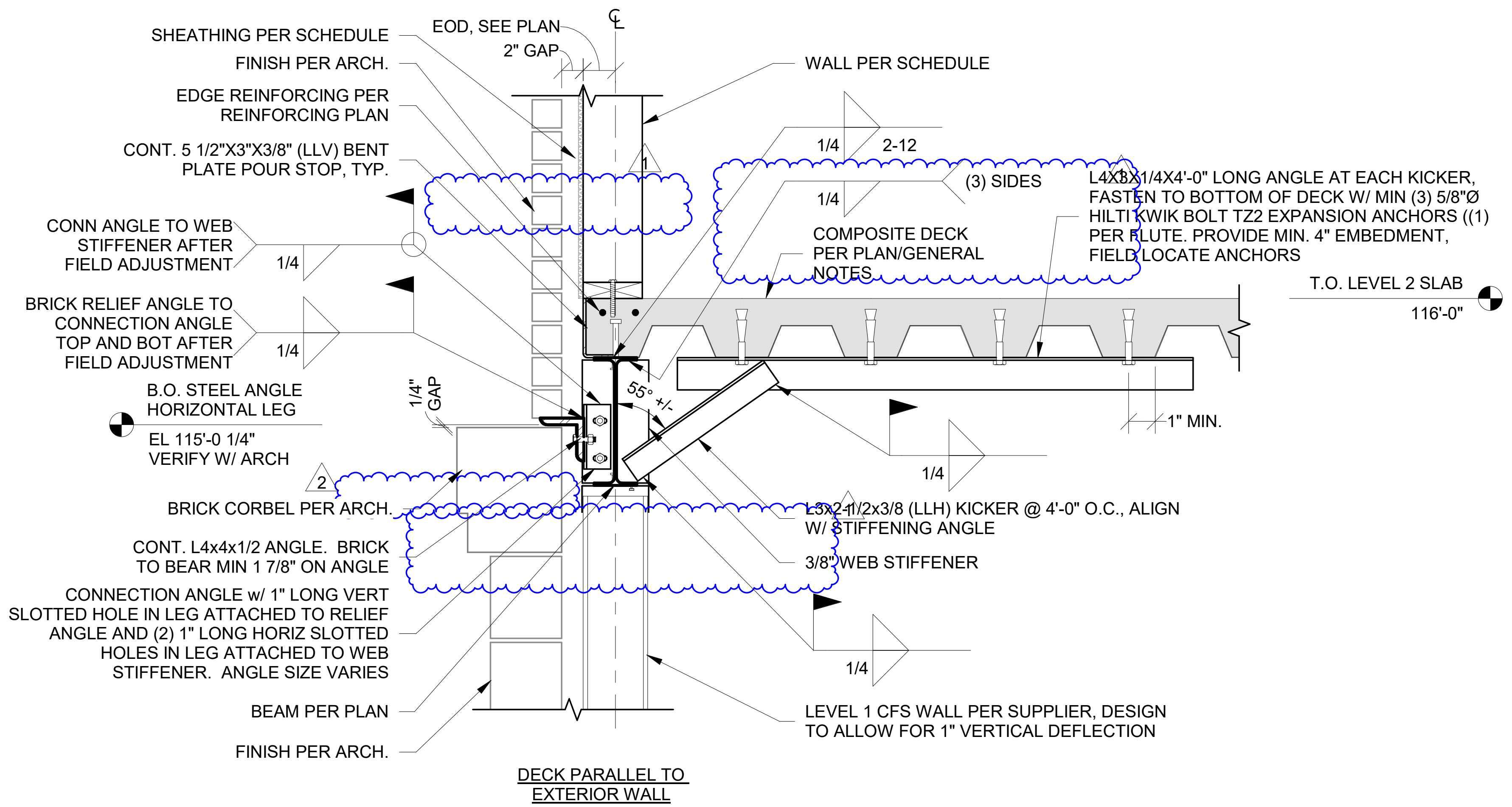
PROJECT NUMBER: 2023000333

SHEET NUMBER:
S511

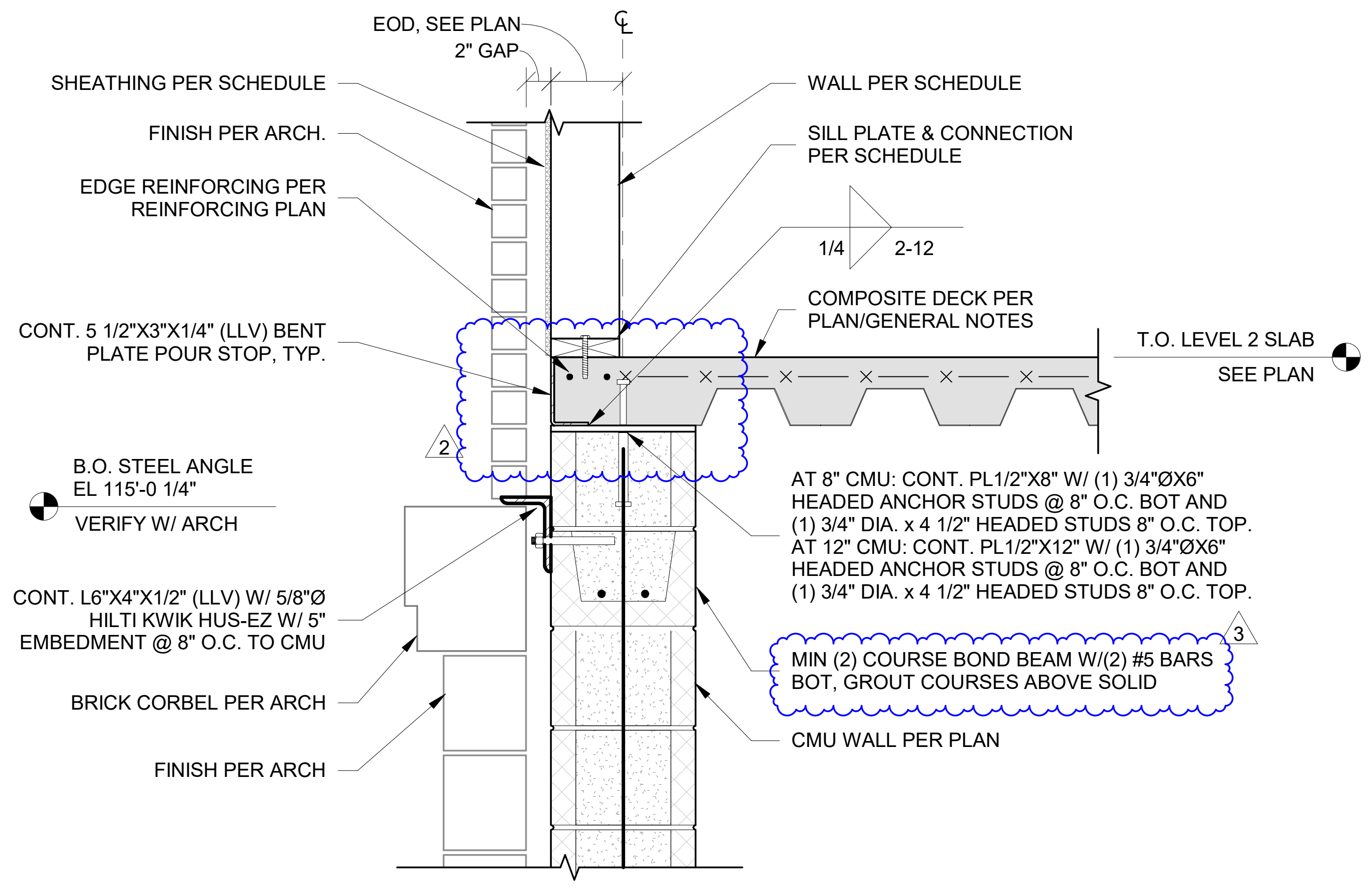
12/24/2024 5:56:20 PM
Autodesk Docs://2023000333 - Discovery Park Lee's Summit/2023000333 - Rosemann - Lot 4_R23.rvt


SHEATHING PER SCHEDULE
FINISH PER ARCH.
EDGE REINFORCING PER REINFORCING PLAN
CONT. 5 1/2"X3"X3/8" (LLV) BENT PLATE POUR STOP, TYP.
CONNNECTION ANGLE TO WEB STIFFENER AFTER FIELD ADJUSTMENT
BRICK RELIEF ANGLE TO CONNECTION ANGLE TOP AND BOT AFTER FIELD ADJUSTMENT
B.O. STEEL ANGLE
EL 115'-0 1/4"
VERIFY W/ ARCH
1/4" GAP
BRICK CORBEL PER ARCH.
CONT. L4x4x1/2 ANGLE. BRICK TO BEAR MIN 1 7/8" ON ANGLE
CONNECTION ANGLE w/ 1" LONG VERT SLOTTED HOLE IN LEG ATTACHED TO RELIEF ANGLE AND (2) 1" LONG HORIZ SLOTTED HOLES IN LEG ATTACHED TO WEB STIFFENER. ANGLE SIZE VARIES
BEAM PER PLAN
LEVEL 1 CFS WALL PER SUPPLIER, DESIGN TO ALLOW FOR 1" VERTICAL DEFLECTION
EOD, SEE PLAN
2" GAP
℄
WALL PER SCHEDULE
1/4
2-12
(3) SIDES
COMPOSITE DECK PER PLAN/GENERAL NOTES
A
T.O. LEVEL 2 SLAB
116'-0"
55° +/-
ANGLE PER SECTION
4" MIN. WELD
KICKER PER SECTION
~~3/8" WEB STIFFENER~~
1
CENTER ANCHOR IN FLUTE
KICKER ATTACHMENT PLATE CENTERED ON ANGLE
1" MIN.
PL3/8"x3-1/2"x3-1/2"
(2) SIDES
L4X3X1/4X4'-0" LONG ANGLE AT EACH KICKER, FASTEN TO BOTTOM OF DECK W/ MIN. (3) 5/8"Ø HILTI KWIK BOLT TZ2 EXPANSION ANCHORS, (1 PER FLUTE) PROVIDE MIN. 4" EMBEDMENT, FIELD-LOCATE ANCHORS AND ANGLE SO KICKER ATTACHMENT PLATE ALIGNS WITH ATTACHMENT PLATE ON W-BEAM
L3x2 1/2x3/8 (LLH) KICKER @ 4'-0" O.C. MAX
SECTION A

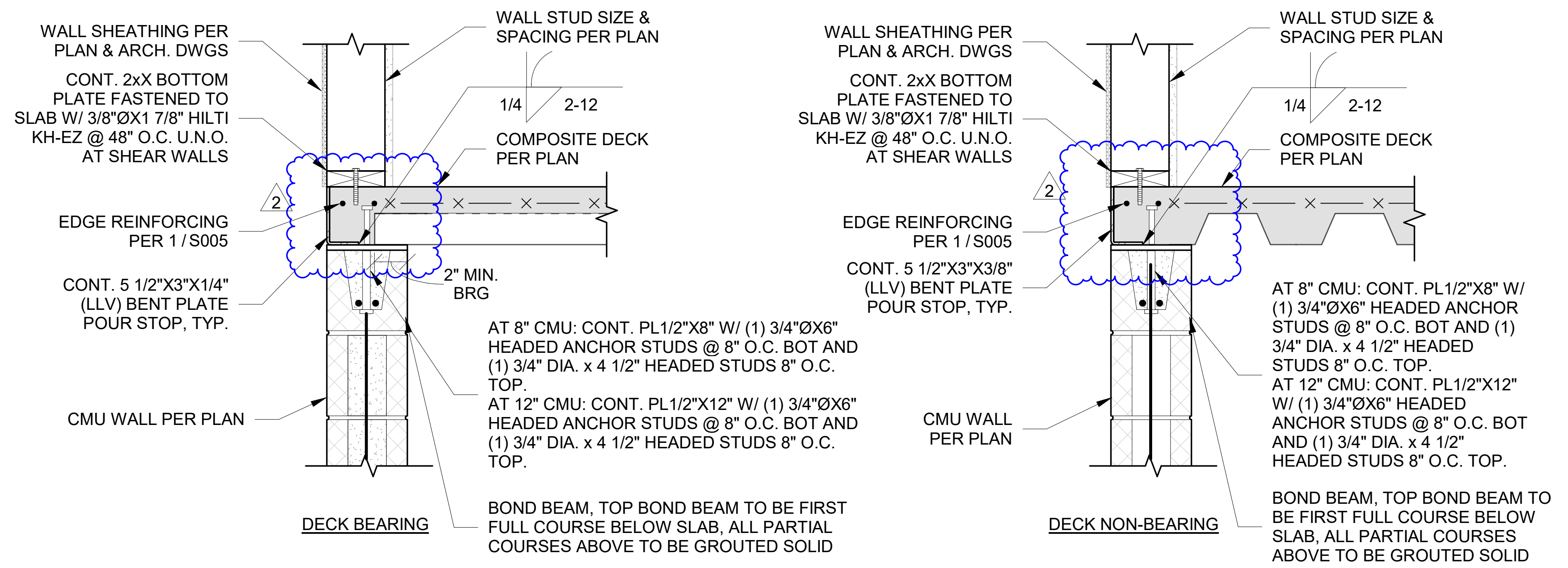
1 S520 DECK PERPENDICULAR TO EXTERIOR WALL SECTION AT KICKER
1" = 1'-0"
2


SHEATHING PER SCHEDULE
FINISH PER ARCH.
EDGE REINFORCING PER REINFORCING PLAN
CONT. 5 1/2"X3"X3/8" (LLV) BENT PLATE POUR STOP, TYP.
CONN ANGLE TO WEB STIFFENER AFTER FIELD ADJUSTMENT
BRICK RELIEF ANGLE TO CONNECTION ANGLE TOP AND BOT AFTER FIELD ADJUSTMENT
B.O. STEEL ANGLE HORIZONTAL LEG
EL 115'-0 1/4"
VERIFY W/ ARCH
1/4" GAP
BRICK CORBEL PER ARCH.
CONT. L4x4x1/2 ANGLE. BRICK TO BEAR MIN 1 7/8" ON ANGLE
CONNECTION ANGLE w/ 1" LONG VERT SLOTTED HOLE IN LEG ATTACHED TO RELIEF ANGLE AND (2) 1" LONG HORIZ SLOTTED HOLES IN LEG ATTACHED TO WEB STIFFENER. ANGLE SIZE VARIES
BEAM PER PLAN
FINISH PER ARCH.
EOD, SEE PLAN
2" GAP
℄
WALL PER SCHEDULE
1/4
2-12
(3) SIDES
COMPOSITE DECK PER PLAN/GENERAL NOTES
L4X3X1/4X4'-0" LONG ANGLE AT EACH KICKER, FASTEN TO BOTTOM OF DECK W/ MIN (3) 5/8"Ø HILTI KWIK BOLT TZ2 EXPANSION ANCHORS ((1) PER FLUTE. PROVIDE MIN. 4" EMBEDMENT, FIELD LOCATE ANCHORS
T.O. LEVEL 2 SLAB
116'-0"
55° +/-
1" MIN.
L3x2-1/2x3/8 (LLH) KICKER @ 4'-0" O.C., ALIGN W/ STIFFENING ANGLE
3/8" WEB STIFFENER
LEVEL 1 CFS WALL PER SUPPLIER, DESIGN TO ALLOW FOR 1" VERTICAL DEFLECTION
1
2
DECK PARALLEL TO EXTERIOR WALL

2 S520 DECK PARALLEL TO EXTERIOR WALL SECTION AT BEAM
1" = 1'-0"
2

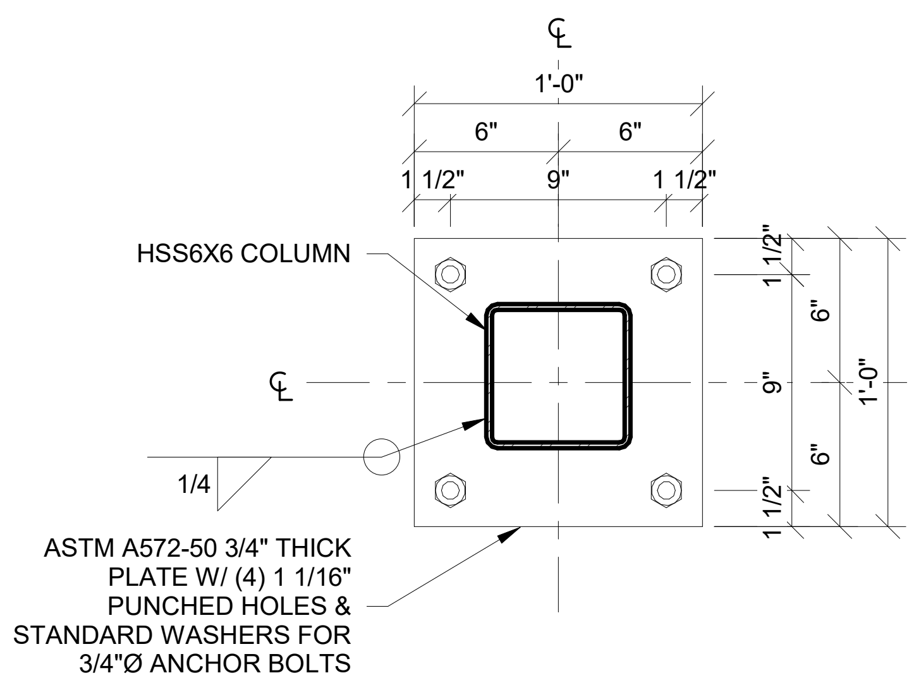

EOD, SEE PLAN
2" GAP
℄
SHEATHING PER SCHEDULE
FINISH PER ARCH.
EDGE REINFORCING PER REINFORCING PLAN
CONT. 5 1/2"X3"X1/4" (LLV) BENT PLATE POUR STOP, TYP.
B.O. STEEL ANGLE
EL 115'-0 1/4"
VERIFY W/ ARCH
CONT. L6"X4"X1/2" (LLV) W/ 5/8"Ø HILTI KWIK HUS-EZ W/ 5" EMBEDMENT @ 8" O.C. TO CMU
BRICK CORBEL PER ARCH
FINISH PER ARCH
WALL PER SCHEDULE
SILL PLATE & CONNECTION PER SCHEDULE
1/4
2-12
COMPOSITE DECK PER PLAN/GENERAL NOTES
T.O. LEVEL 2 SLAB
SEE PLAN
2
AT 8" CMU: CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOT AND (1) 3/4" DIA. x 4 1/2" HEADED STUDS 8" O.C. TOP.
AT 12" CMU: CONT. PL1/2"X12" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOT AND (1) 3/4" DIA. x 4 1/2" HEADED STUDS 8" O.C. TOP.
MIN (2) COURSE BOND BEAM W/(2) #5 BARS BOT, GROUT COURSES ABOVE SOLID
3
CMU WALL PER PLAN

3 S520 SECTION AT GARAGE AT FULL HEIGHT CMU
1" = 1'-0"

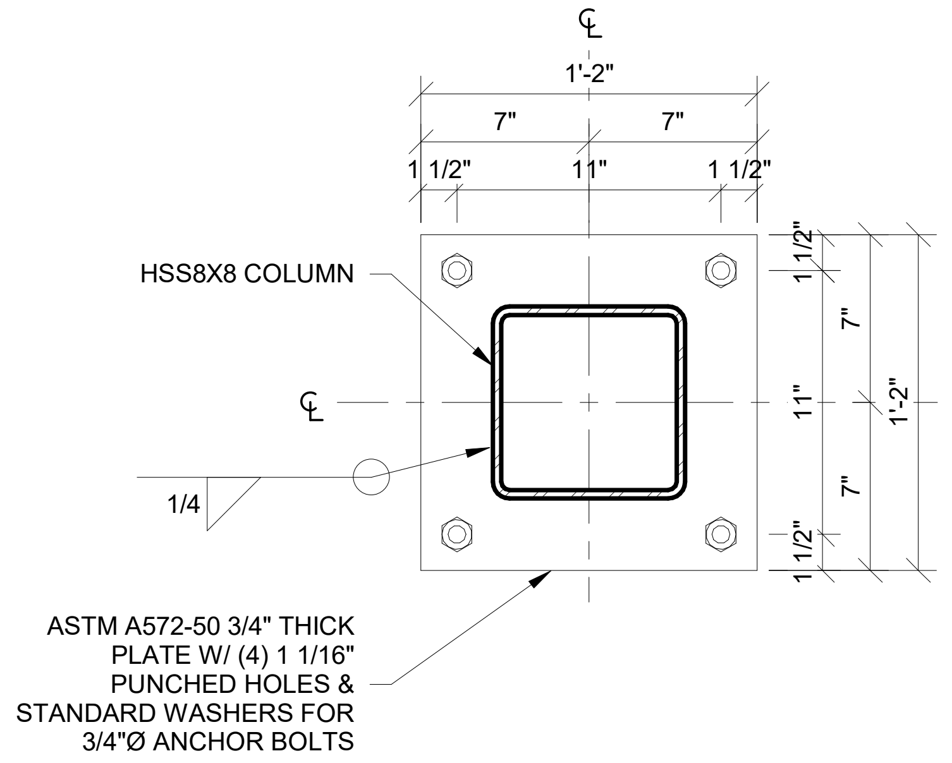

WALL SHEATHING PER PLAN & ARCH. DWGS
CONT. 2xX BOTTOM PLATE FASTENED TO SLAB W/ 3/8"ØX1 7/8" HILTI KH-EZ @ 48" O.C. U.N.O. AT SHEAR WALLS
EDGE REINFORCING PER 1 / S005
CONT. 5 1/2"X3"X1/4" (LLV) BENT PLATE POUR STOP, TYP.
CMU WALL PER PLAN
WALL STUD SIZE & SPACING PER PLAN
1/4
2-12
COMPOSITE DECK PER PLAN
2
2" MIN. BRG
AT 8" CMU: CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOT AND (1) 3/4" DIA. x 4 1/2" HEADED STUDS 8" O.C. TOP.
AT 12" CMU: CONT. PL1/2"X12" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOT AND (1) 3/4" DIA. x 4 1/2" HEADED STUDS 8" O.C. TOP.
DECK BEARING
BOND BEAM, TOP BOND BEAM TO BE FIRST FULL COURSE BELOW SLAB, ALL PARTIAL COURSES ABOVE TO BE GROUTED SOLID
WALL SHEATHING PER PLAN & ARCH. DWGS
CONT. 2xX BOTTOM PLATE FASTENED TO SLAB W/ 3/8"ØX1 7/8" HILTI KH-EZ @ 48" O.C. U.N.O. AT SHEAR WALLS
EDGE REINFORCING PER 1 / S005
CONT. 5 1/2"X3"X3/8" (LLV) BENT PLATE POUR STOP, TYP.
CMU WALL PER PLAN
WALL STUD SIZE & SPACING PER PLAN
1/4
2-12
COMPOSITE DECK PER PLAN
2
AT 8" CMU: CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOT AND (1) 3/4" DIA. x 4 1/2" HEADED STUDS 8" O.C. TOP.
AT 12" CMU: CONT. PL1/2"X12" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOT AND (1) 3/4" DIA. x 4 1/2" HEADED STUDS 8" O.C. TOP.
DECK NON-BEARING
BOND BEAM, TOP BOND BEAM TO BE FIRST FULL COURSE BELOW SLAB, ALL PARTIAL COURSES ABOVE TO BE GROUTED SOLID

4 S520 COMPOSITE DECK AT MASONRY
1" = 1'-0"

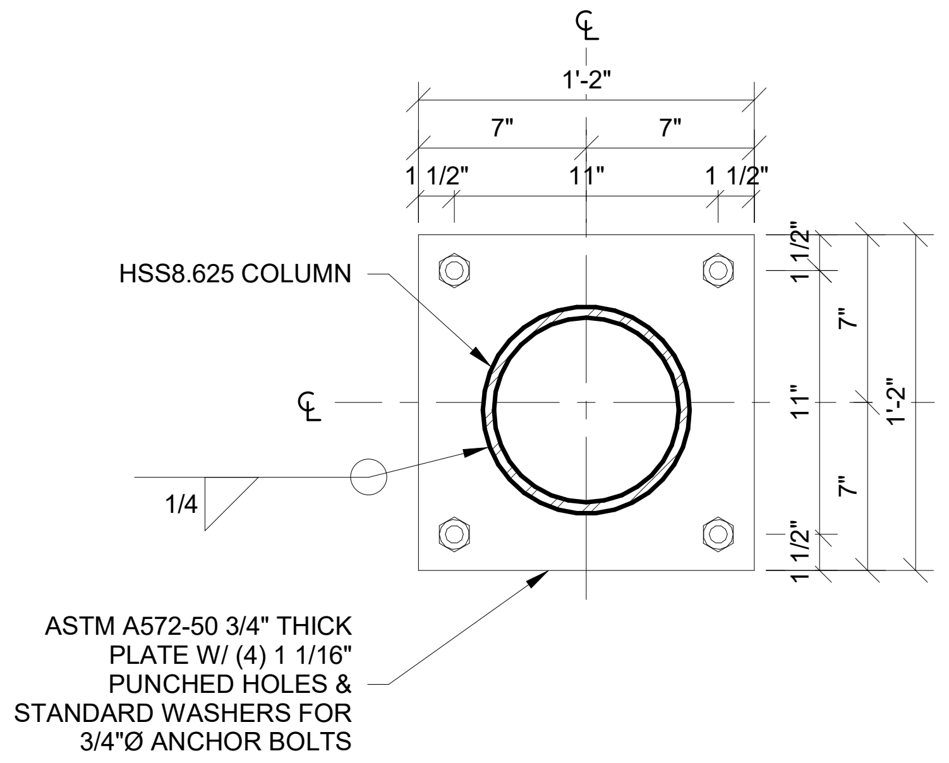
1


℄
1'-0"
6"
6"
1 1/2"
9"
1 1/2"
HSS6X6 COLUMN
1/4
1 1/2"
6"
9"
6"
1 1/2"
1'-0"
ASTM A572-50 3/4" THICK PLATE W/ (4) 1 1/16" PUNCHED HOLES & STANDARD WASHERS FOR 3/4"Ø ANCHOR BOLTS

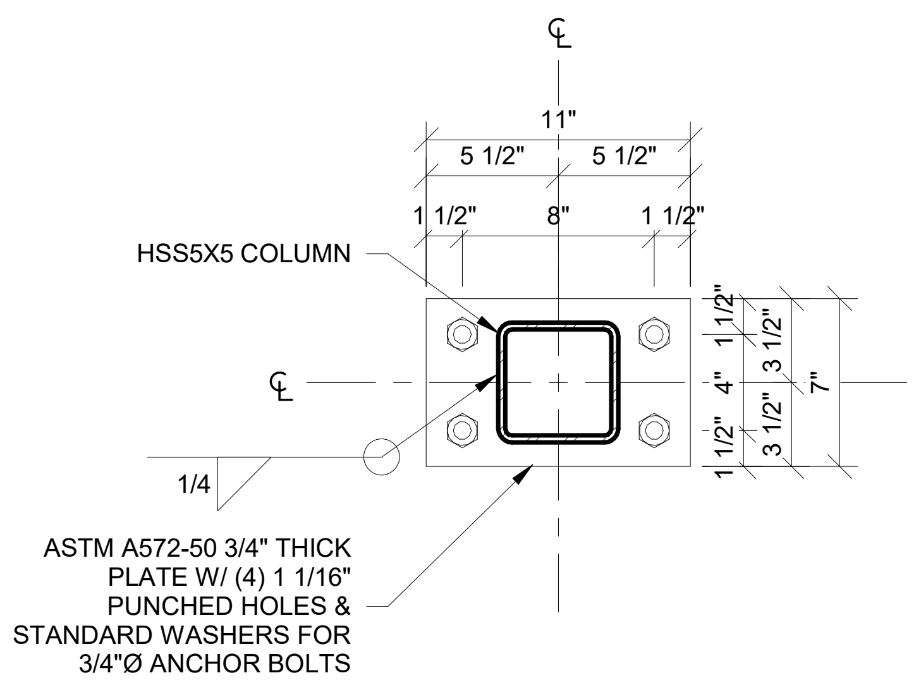
5 S520 BASE PLATE BP1
1 1/2" = 1'-0"


℄
1'-2"
7"
7"
1 1/2"
11"
1 1/2"
HSS8X8 COLUMN
1/4
1 1/2"
7"
11"
7"
1 1/2"
1'-2"
ASTM A572-50 3/4" THICK PLATE W/ (4) 1 1/16" PUNCHED HOLES & STANDARD WASHERS FOR 3/4"Ø ANCHOR BOLTS

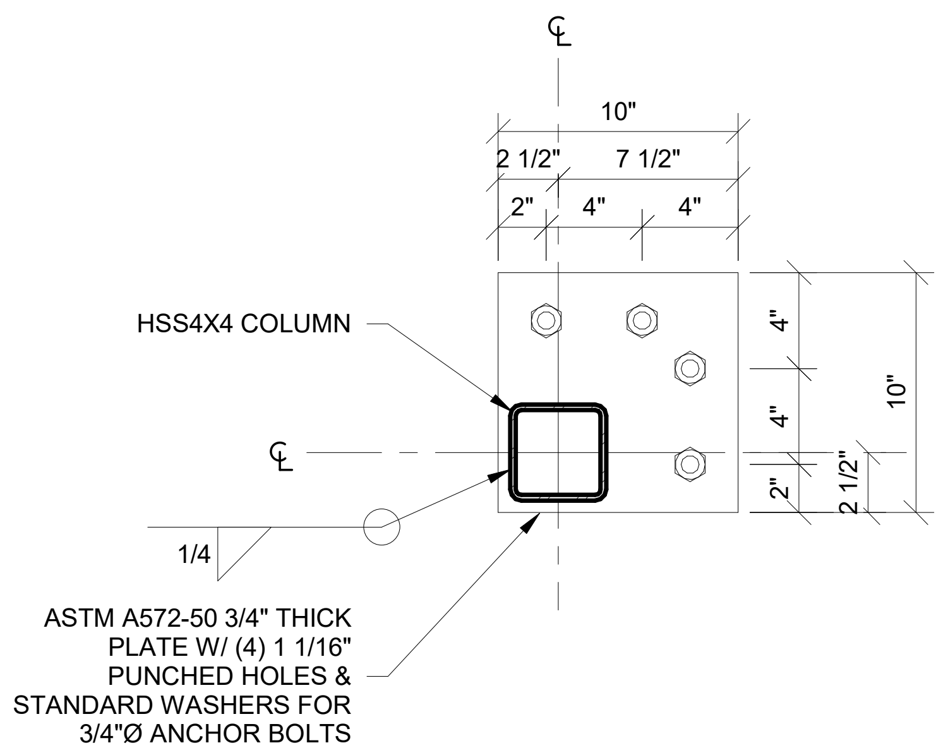
6 S520 BASE PLATE BP2
1 1/2" = 1'-0"


℄
1'-2"
7"
7"
1 1/2"
11"
1 1/2"
HSS8.625 COLUMN
1/4
1 1/2"
7"
11"
7"
1 1/2"
1'-2"
ASTM A572-50 3/4" THICK PLATE W/ (4) 1 1/16" PUNCHED HOLES & STANDARD WASHERS FOR 3/4"Ø ANCHOR BOLTS

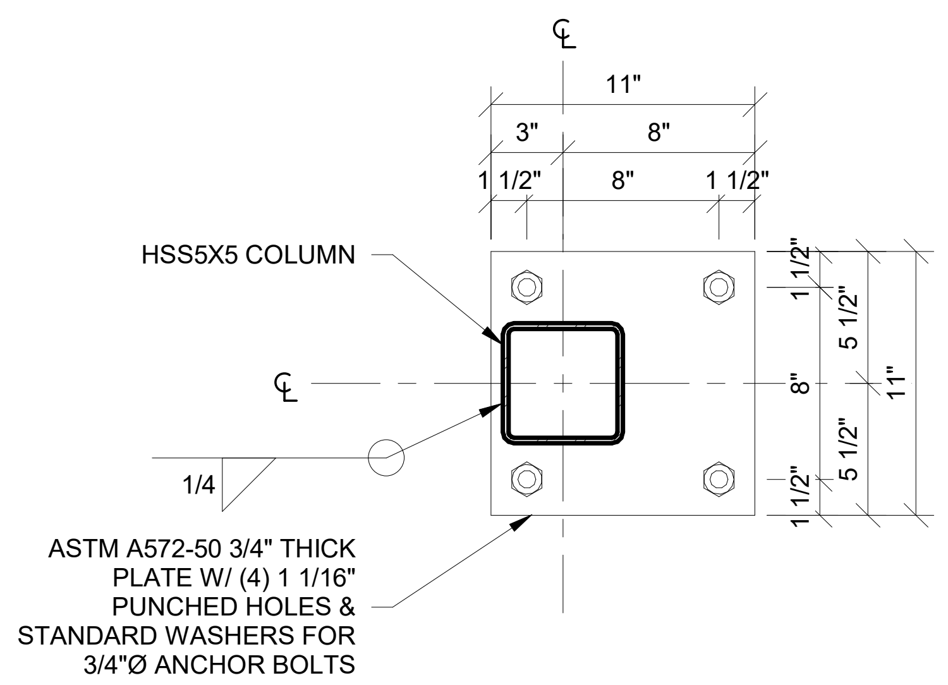
7 S520 BASE PLATE BP3
1 1/2" = 1'-0"


℄
11"
5 1/2"
5 1/2"
1 1/2"
8"
1 1/2"
HSS5X5 COLUMN
1/4
1 1/2"
4"
1 1/2"
3 1/2"
3 1/2"
7"
ASTM A572-50 3/4" THICK PLATE W/ (4) 1 1/16" PUNCHED HOLES & STANDARD WASHERS FOR 3/4"Ø ANCHOR BOLTS

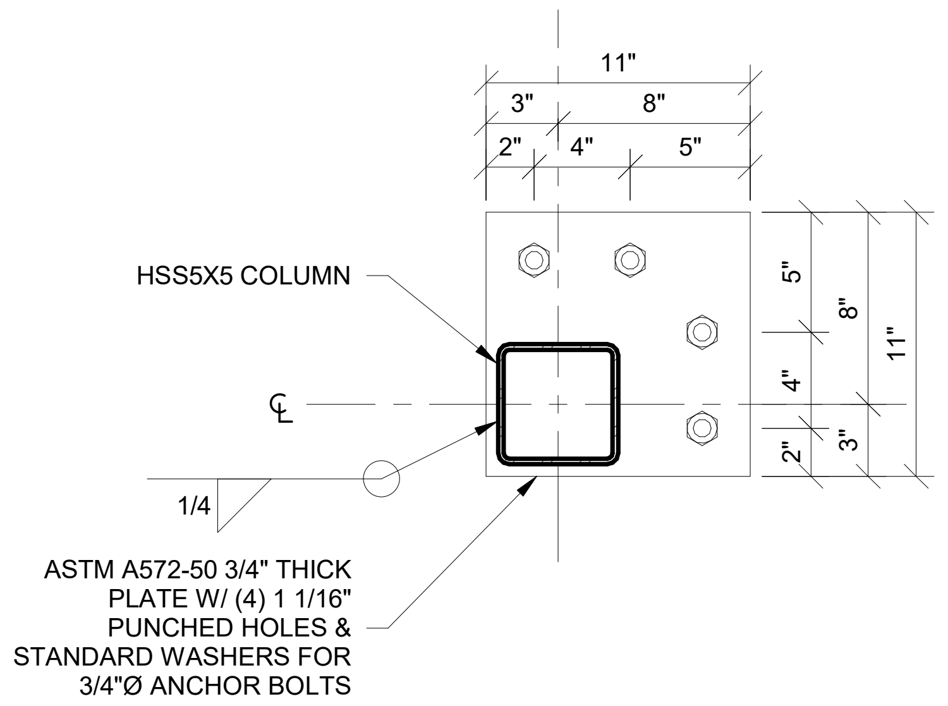
8 S520 BASE PLATE BP4
1 1/2" = 1'-0"


℄
10"
2 1/2"
7 1/2"
2"
4"
4"
HSS4X4 COLUMN
1/4
4"
4"
2"
2 1/2"
10"
ASTM A572-50 3/4" THICK PLATE W/ (4) 1 1/16" PUNCHED HOLES & STANDARD WASHERS FOR 3/4"Ø ANCHOR BOLTS

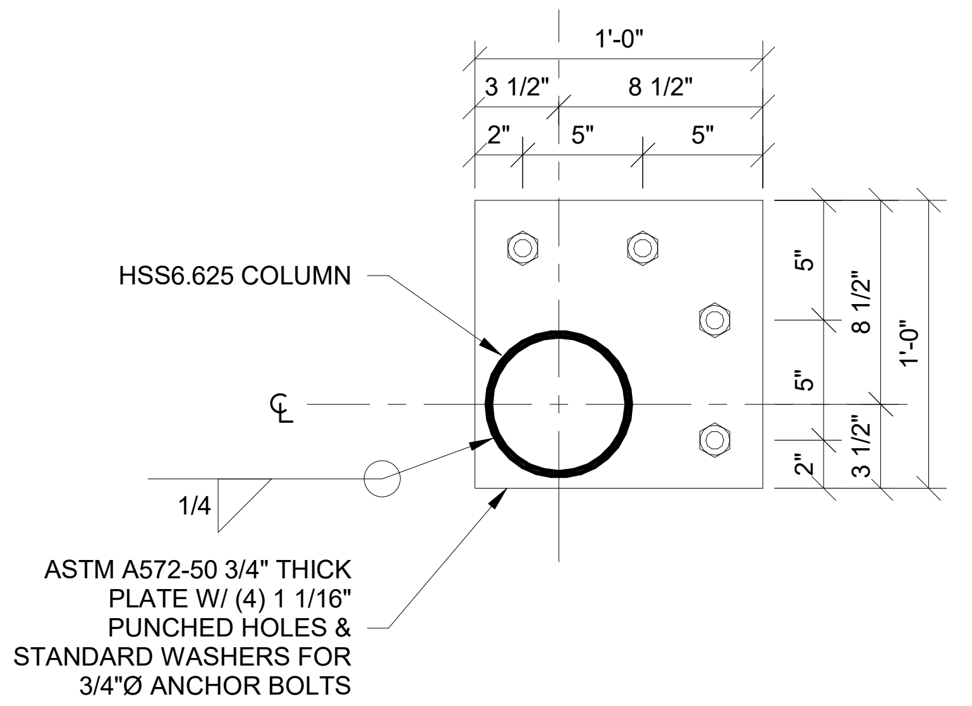
9 S520 BASE PLATE BP5
1 1/2" = 1'-0"


℄
11"
3"
8"
1 1/2"
8"
1 1/2"
HSS5X5 COLUMN
1/4
1 1/2"
5 1/2"
8"
5 1/2"
1 1/2"
11"
ASTM A572-50 3/4" THICK PLATE W/ (4) 1 1/16" PUNCHED HOLES & STANDARD WASHERS FOR 3/4"Ø ANCHOR BOLTS

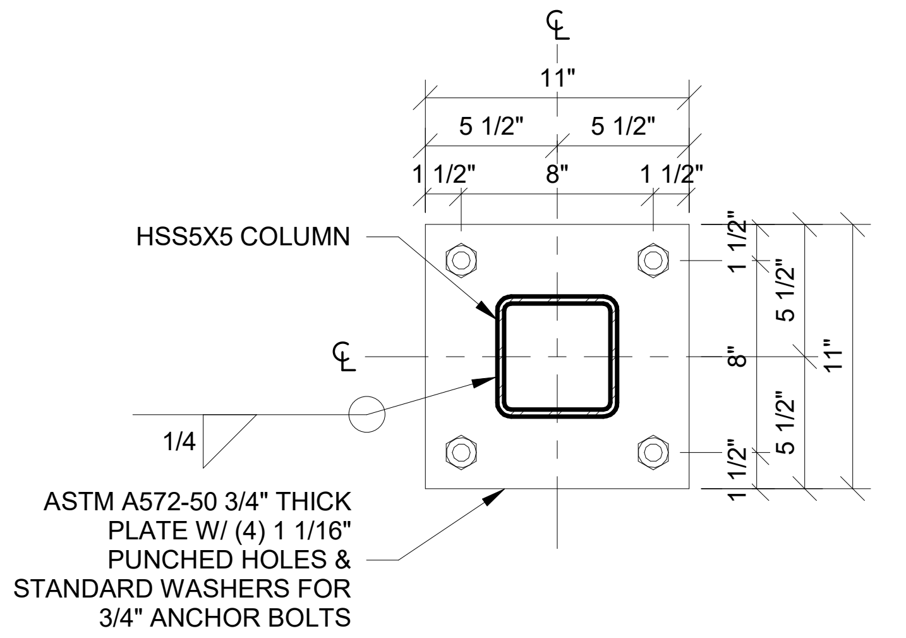
10 S520 BASE PLATE BP6
1 1/2" = 1'-0"


℄
11"
3"
8"
2"
4"
5"
HSS5X5 COLUMN
1/4
5"
4"
2"
8"
3"
11"
ASTM A572-50 3/4" THICK PLATE W/ (4) 1 1/16" PUNCHED HOLES & STANDARD WASHERS FOR 3/4"Ø ANCHOR BOLTS

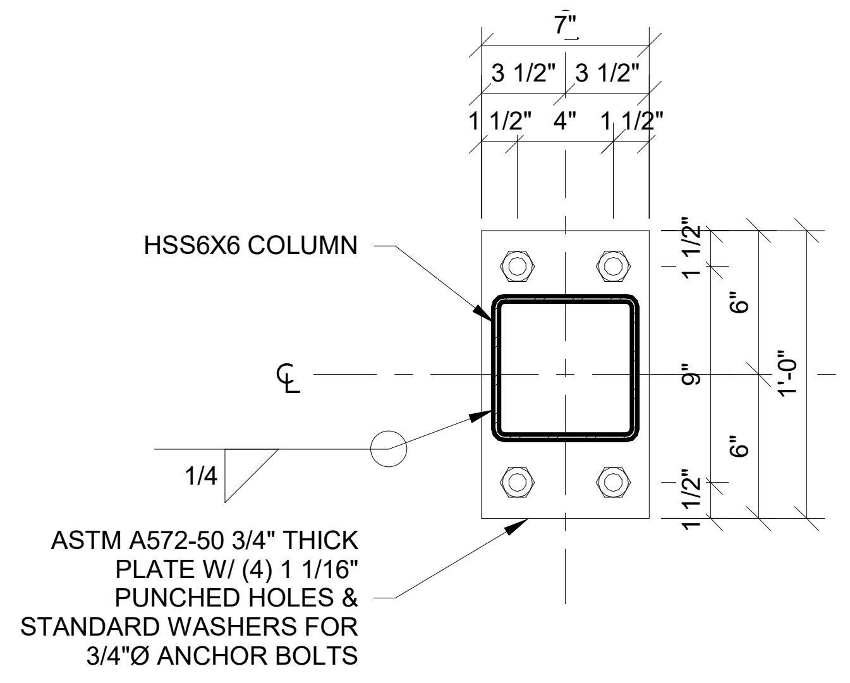
11 S520 BASE PLATE BP7
1 1/2" = 1'-0"


℄
1'-0"
3 1/2"
8 1/2"
2"
5"
5"
HSS6.625 COLUMN
1/4
5"
5"
2"
8 1/2"
3 1/2"
1'-0"
ASTM A572-50 3/4" THICK PLATE W/ (4) 1 1/16" PUNCHED HOLES & STANDARD WASHERS FOR 3/4"Ø ANCHOR BOLTS

12 S520 BASE PLATE BP8
1 1/2" = 1'-0"


℄
11"
5 1/2"
5 1/2"
1 1/2"
8"
1 1/2"
HSS5X5 COLUMN
1/4
1 1/2"
5 1/2"
8"
5 1/2"
1 1/2"
11"
ASTM A572-50 3/4" THICK PLATE W/ (4) 1 1/16" PUNCHED HOLES & STANDARD WASHERS FOR 3/4" ANCHOR BOLTS

13 S520 BASE PLATE BP9
1 1/2" = 1'-0"


7"
3 1/2"
3 1/2"
1 1/2"
4"
1 1/2"
HSS6X6 COLUMN
℄
1/4
1 1/2"
6"
9"
6"
1 1/2"
1'-0"
ASTM A572-50 3/4" THICK PLATE W/ (4) 1 1/16" PUNCHED HOLES & STANDARD WASHERS FOR 3/4"Ø ANCHOR BOLTS

14 S520 BASE PLATE BP10
1 1/2" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/2024	Addendum #1
2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

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

THE VILLAGE AT DISCOVERY - LOT 4

1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
PODIUM FRAMING DETAILS

PROJECT NUMBER: 2023000333

SHEET NUMBER:

- WOOD ROOF DETAILS MOVED TO S540 SERIES SHEETS
- PODIUM FRAMING DETAILS MOVED TO THIS SHEET FROM FORMER SHEETS S505, S506, S507

1

S520

12/24/2024 5:56:22 PM
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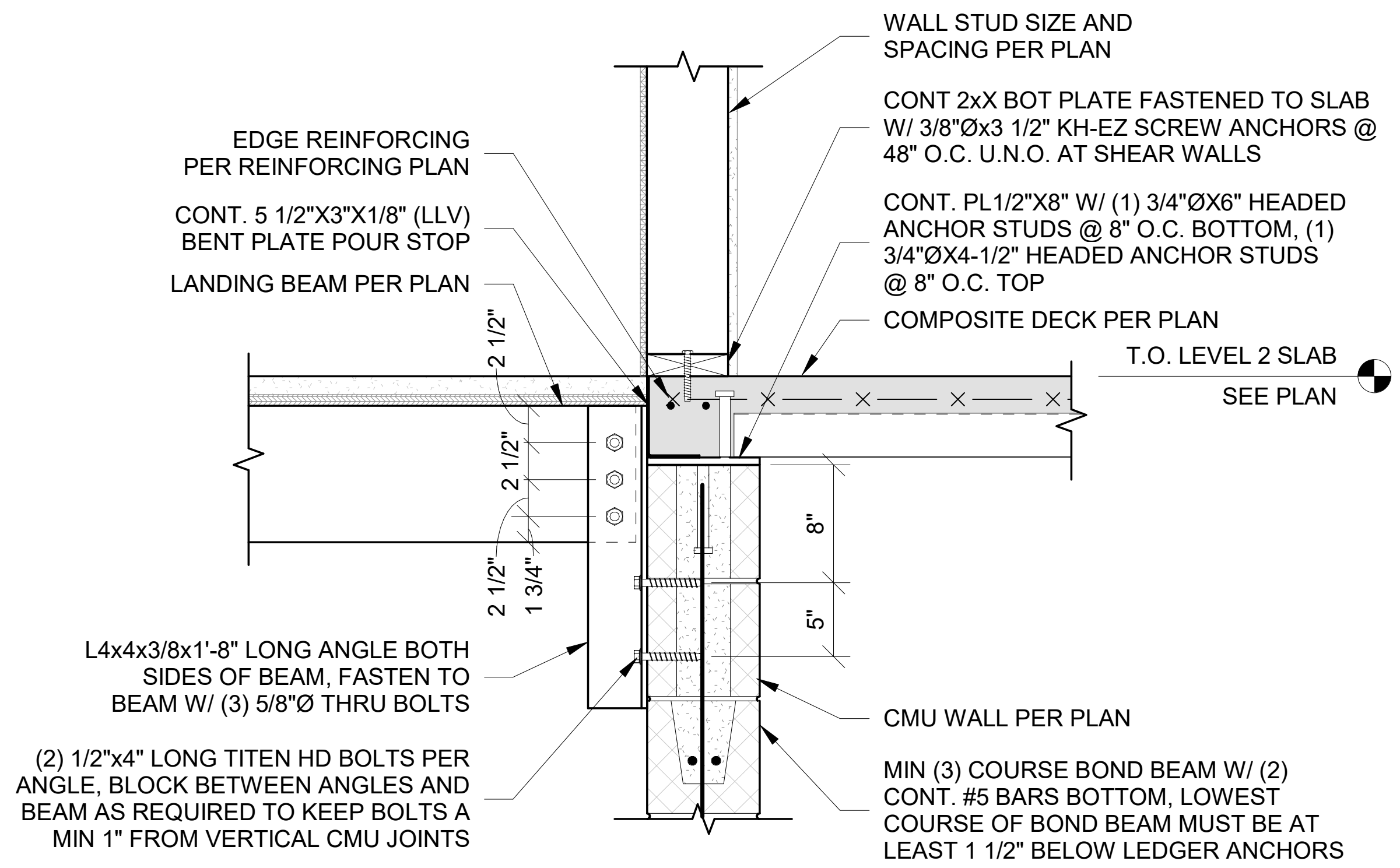
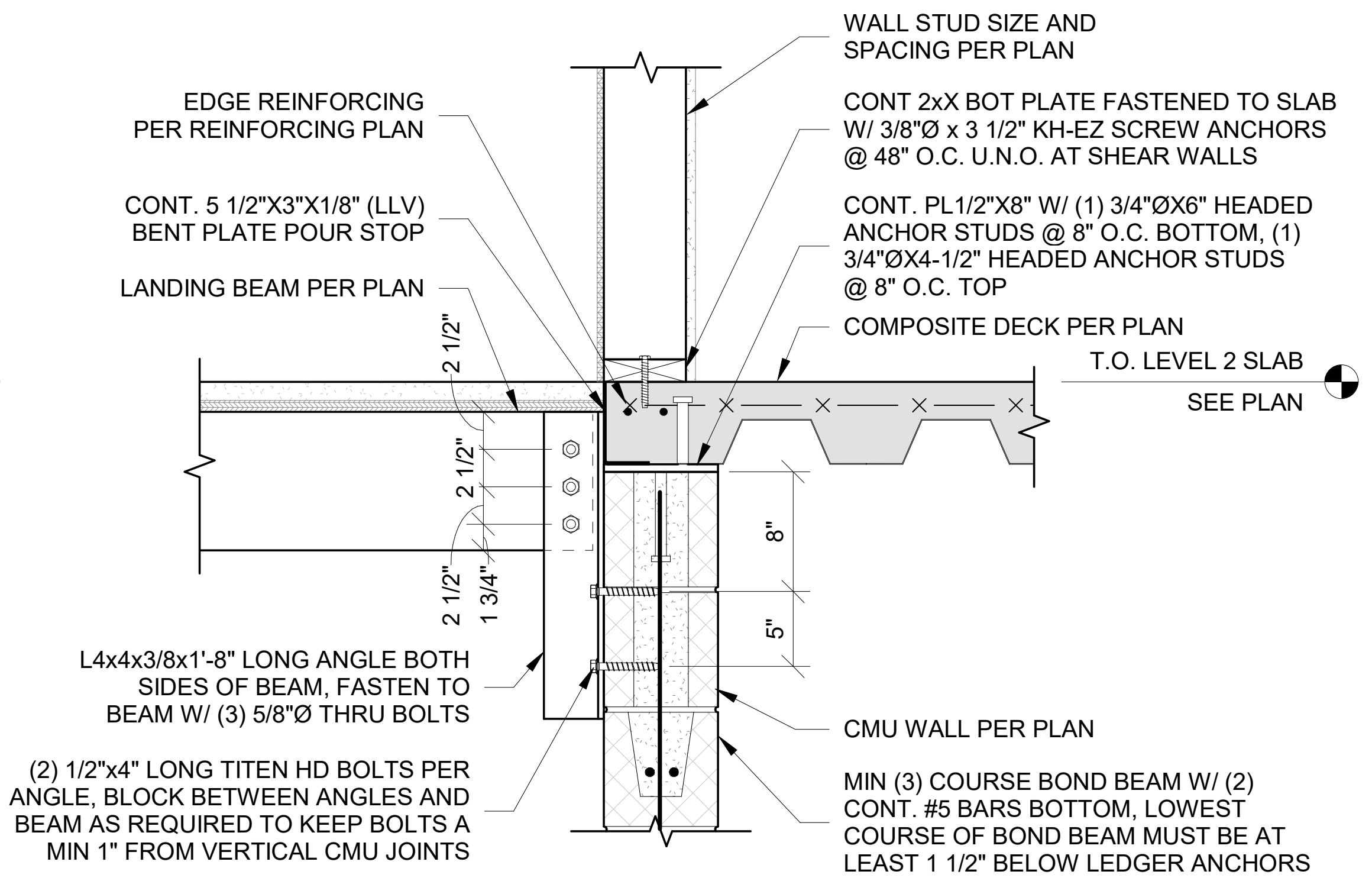
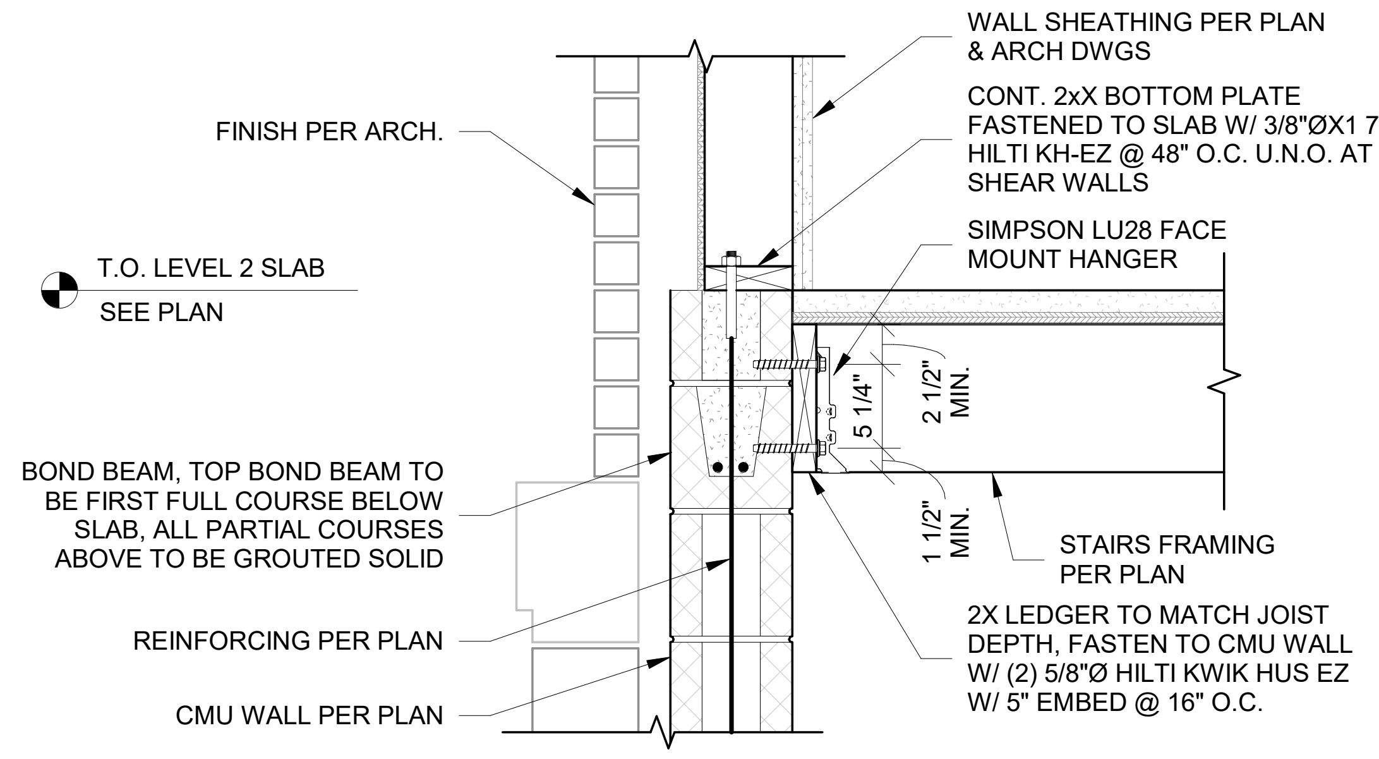

WALL STUD SIZE AND SPACING PER PLAN
CONT 2xX BOT PLATE FASTENED TO SLAB W/ 3/8"Øx3 1/2" KH-EZ SCREW ANCHORS @ 48" O.C. U.N.O. AT SHEAR WALLS
EDGE REINFORCING PER REINFORCING PLAN
CONT. 5 1/2"X3"X1/8" (LLV) BENT PLATE POUR STOP
CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOTTOM, (1) 3/4"ØX4-1/2" HEADED ANCHOR STUDS @ 8" O.C. TOP
LANDING BEAM PER PLAN
COMPOSITE DECK PER PLAN
T.O. LEVEL 2 SLAB
SEE PLAN
2 1/2"
2 1/2"
2 1/2"
1 3/4"
8"
5"
L4x4x3/8x1'-8" LONG ANGLE BOTH SIDES OF BEAM, FASTEN TO BEAM W/ (3) 5/8"Ø THRU BOLTS
CMU WALL PER PLAN
(2) 1/2"x4" LONG TITEN HD BOLTS PER ANGLE, BLOCK BETWEEN ANGLES AND BEAM AS REQUIRED TO KEEP BOLTS A MIN 1" FROM VERTICAL CMU JOINTS
MIN (3) COURSE BOND BEAM W/ (2) CONT. #5 BARS BOTTOM, LOWEST COURSE OF BOND BEAM MUST BE AT LEAST 1 1/2" BELOW LEDGER ANCHORS

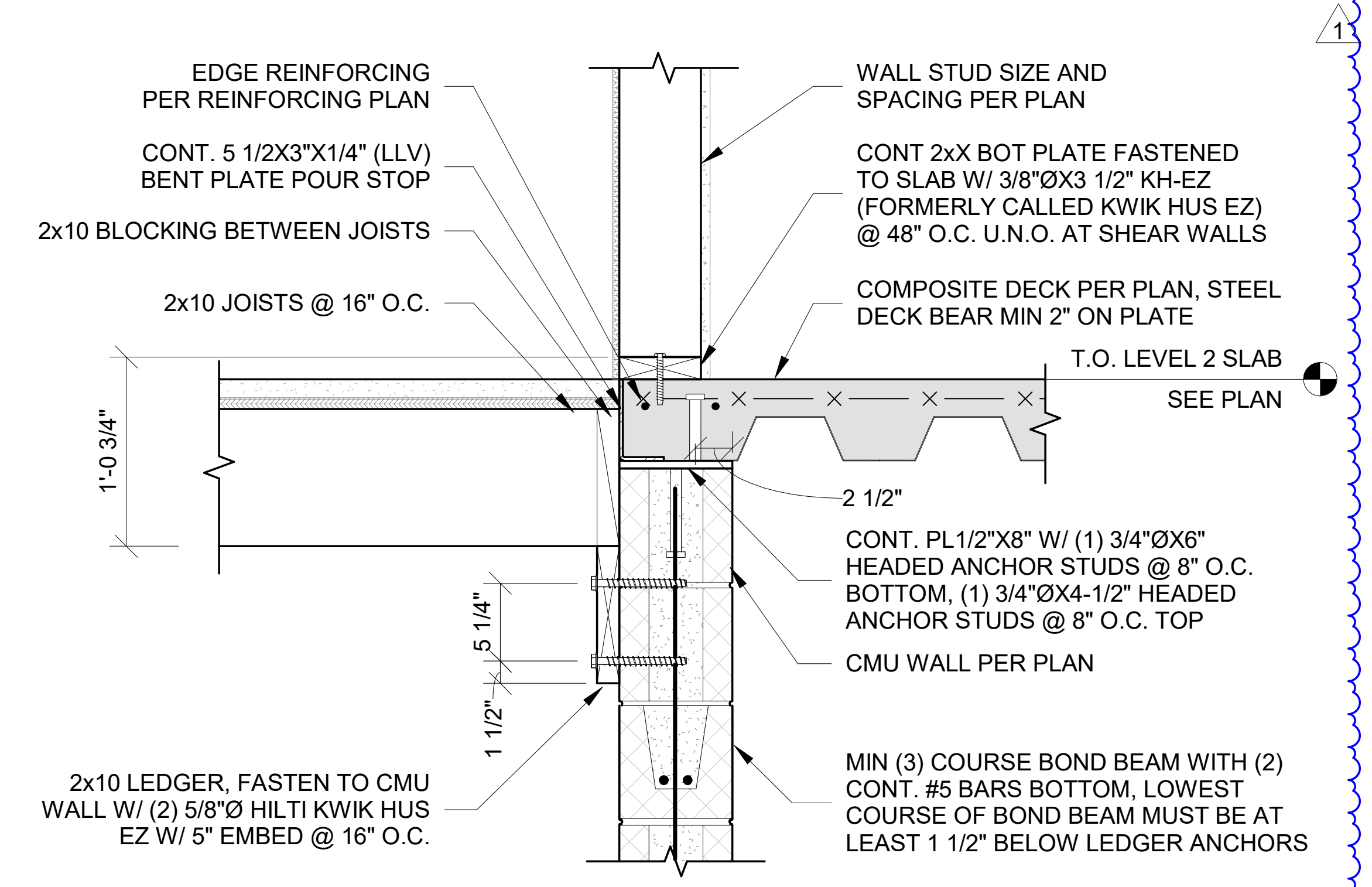
1 STAIR LANDING BEAM ATTACHMENT TO CMU
S521 1" = 1'-0"


WALL STUD SIZE AND SPACING PER PLAN
EDGE REINFORCING PER REINFORCING PLAN
CONT 2xX BOT PLATE FASTENED TO SLAB W/ 3/8"Ø x 3 1/2" KH-EZ SCREW ANCHORS @ 48" O.C. U.N.O. AT SHEAR WALLS
CONT. 5 1/2"X3"X1/8" (LLV) BENT PLATE POUR STOP
CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOTTOM, (1) 3/4"ØX4-1/2" HEADED ANCHOR STUDS @ 8" O.C. TOP
LANDING BEAM PER PLAN
COMPOSITE DECK PER PLAN
T.O. LEVEL 2 SLAB
SEE PLAN
2 1/2"
2 1/2"
2 1/2"
1 3/4"
8"
5"
L4x4x3/8x1'-8" LONG ANGLE BOTH SIDES OF BEAM, FASTEN TO BEAM W/ (3) 5/8"Ø THRU BOLTS
CMU WALL PER PLAN
(2) 1/2"x4" LONG TITEN HD BOLTS PER ANGLE, BLOCK BETWEEN ANGLES AND BEAM AS REQUIRED TO KEEP BOLTS A MIN 1" FROM VERTICAL CMU JOINTS
MIN (3) COURSE BOND BEAM W/ (2) CONT. #5 BARS BOTTOM, LOWEST COURSE OF BOND BEAM MUST BE AT LEAST 1 1/2" BELOW LEDGER ANCHORS

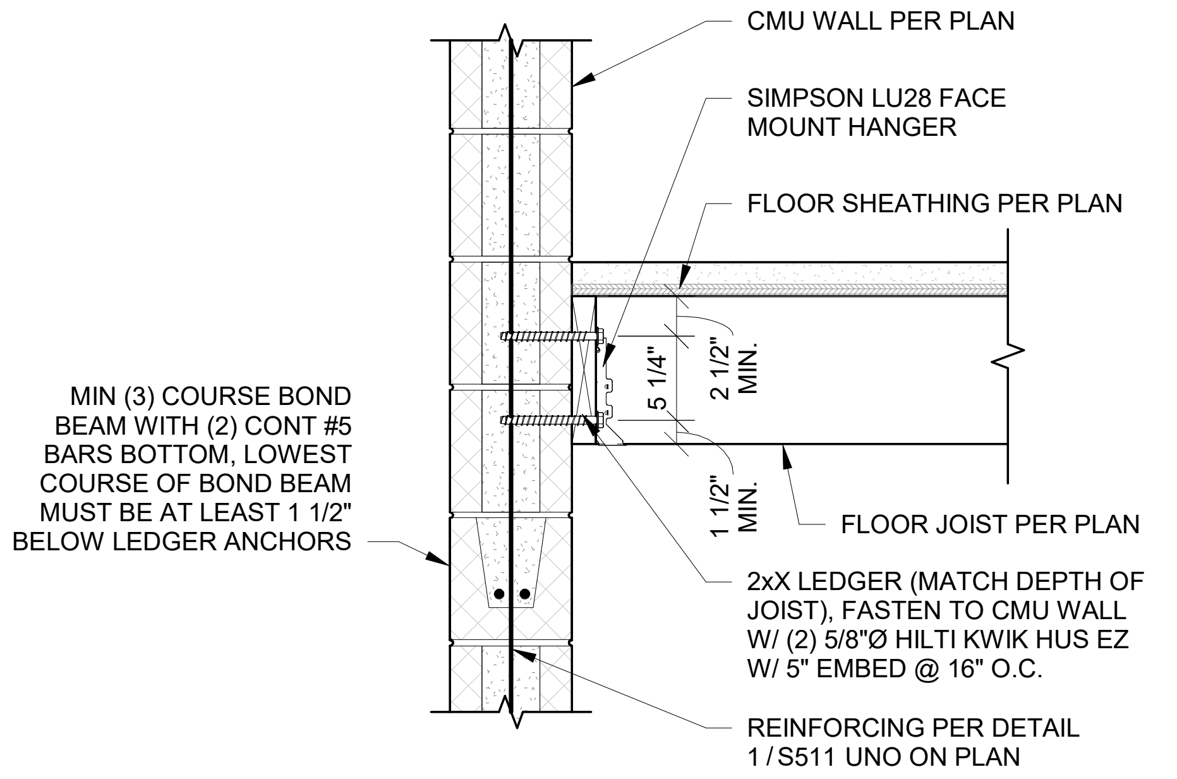
2 STAIR LANDING BEAM ATTACHMENT TO CMU
S521 1" = 1'-0"


WALL SHEATHING PER PLAN & ARCH DWGS
FINISH PER ARCH.
CONT. 2xX BOTTOM PLATE FASTENED TO SLAB W/ 3/8"ØX1 7/8" HILTI KH-EZ @ 48" O.C. U.N.O. AT SHEAR WALLS
T.O. LEVEL 2 SLAB
SEE PLAN
SIMPSON LU28 FACE MOUNT HANGER
5 1/4"
2 1/2" MIN.
BOND BEAM, TOP BOND BEAM TO BE FIRST FULL COURSE BELOW SLAB, ALL PARTIAL COURSES ABOVE TO BE GROUTED SOLID
1 1/2" MIN.
STAIRS FRAMING PER PLAN
REINFORCING PER PLAN
2X LEDGER TO MATCH JOIST DEPTH, FASTEN TO CMU WALL W/ (2) 5/8"Ø HILTI KWIK HUS EZ W/ 5" EMBED @ 16" O.C.
CMU WALL PER PLAN

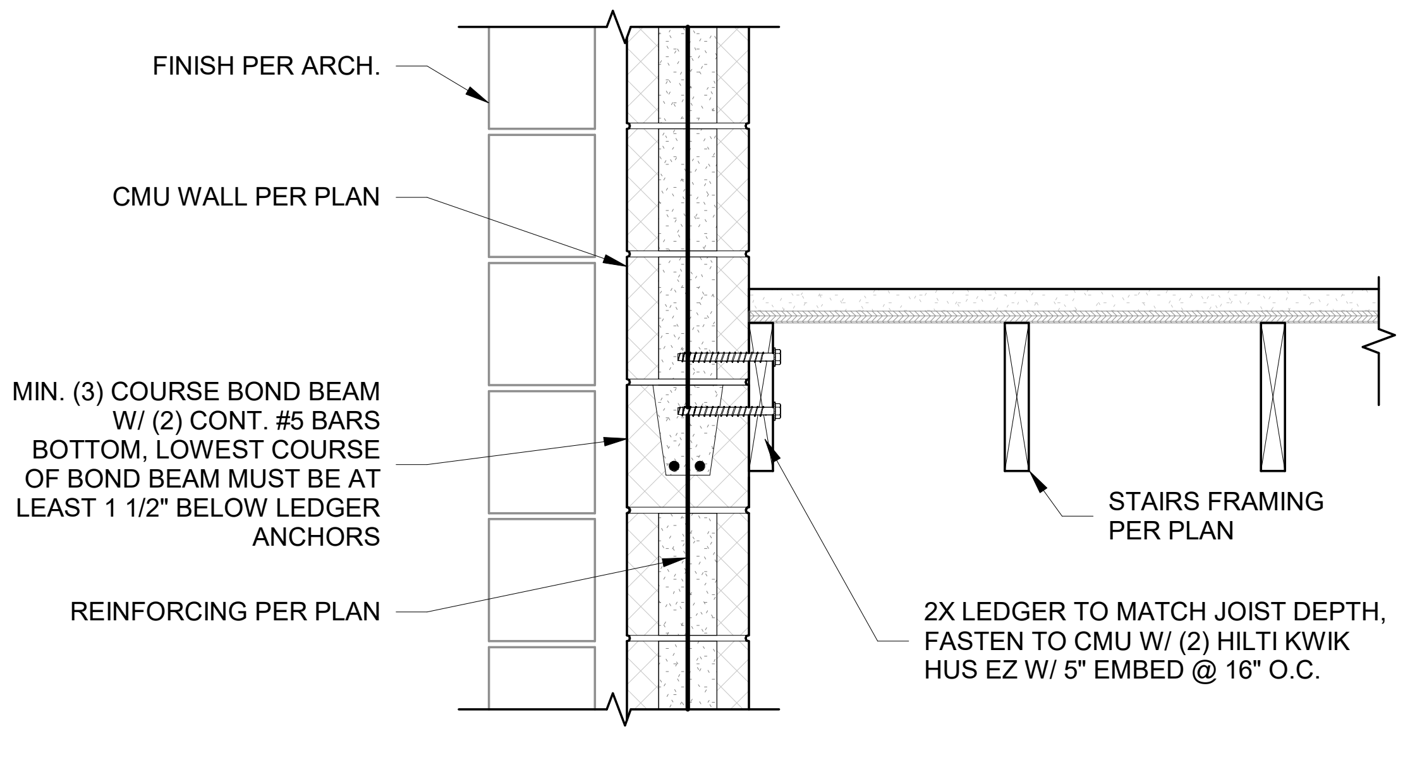
3 SECTION AT LEVEL 2 STAIRS AT EXTERIOR WALL
S521 1" = 1'-0"


1
EDGE REINFORCING PER REINFORCING PLAN
WALL STUD SIZE AND SPACING PER PLAN
CONT. 5 1/2X3"X1/4" (LLV) BENT PLATE POUR STOP
CONT 2xX BOT PLATE FASTENED TO SLAB W/ 3/8"ØX3 1/2" KH-EZ (FORMERLY CALLED KWIK HUS EZ) @ 48" O.C. U.N.O. AT SHEAR WALLS
2x10 BLOCKING BETWEEN JOISTS
2x10 JOISTS @ 16" O.C.
COMPOSITE DECK PER PLAN, STEEL DECK BEAR MIN 2" ON PLATE
T.O. LEVEL 2 SLAB
SEE PLAN
1'-0 3/4"
2 1/2"
CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOTTOM, (1) 3/4"ØX4-1/2" HEADED ANCHOR STUDS @ 8" O.C. TOP
5 1/4"
CMU WALL PER PLAN
1 1/2"
2x10 LEDGER, FASTEN TO CMU WALL W/ (2) 5/8"Ø HILTI KWIK HUS EZ W/ 5" EMBED @ 16" O.C.
MIN (3) COURSE BOND BEAM WITH (2) CONT. #5 BARS BOTTOM, LOWEST COURSE OF BOND BEAM MUST BE AT LEAST 1 1/2" BELOW LEDGER ANCHORS

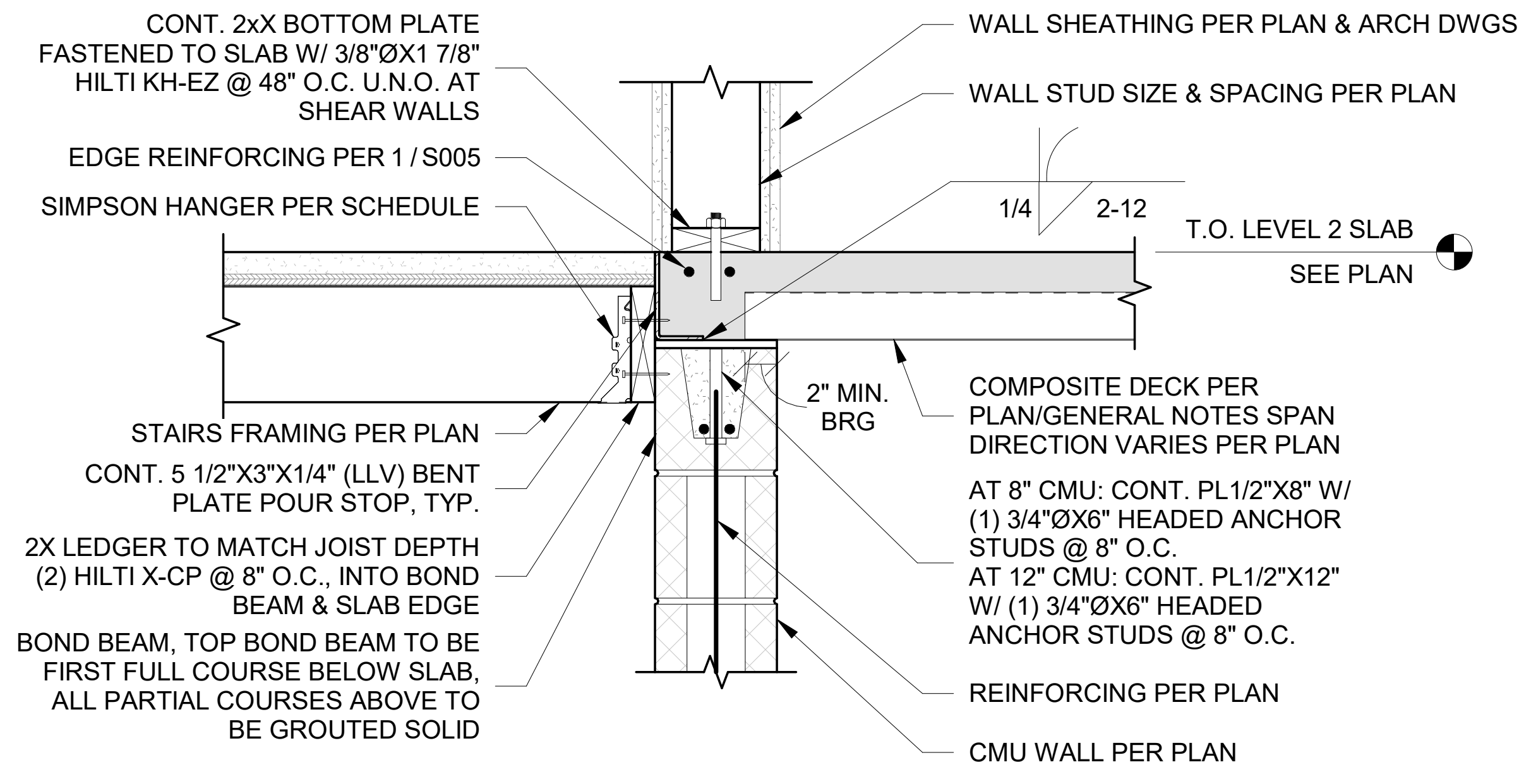
4 SECTION AT LEVEL 2 STAIRS
S521 1" = 1'-0"


CMU WALL PER PLAN
SIMPSON LU28 FACE MOUNT HANGER
FLOOR SHEATHING PER PLAN
5 1/4"
2 1/2" MIN.
MIN (3) COURSE BOND BEAM WITH (2) CONT #5 BARS BOTTOM, LOWEST COURSE OF BOND BEAM MUST BE AT LEAST 1 1/2" BELOW LEDGER ANCHORS
1 1/2" MIN.
FLOOR JOIST PER PLAN
2xX LEDGER (MATCH DEPTH OF JOIST), FASTEN TO CMU WALL W/ (2) 5/8"Ø HILTI KWIK HUS EZ W/ 5" EMBED @ 16" O.C.
REINFORCING PER DETAIL 1 / S511 UNO ON PLAN

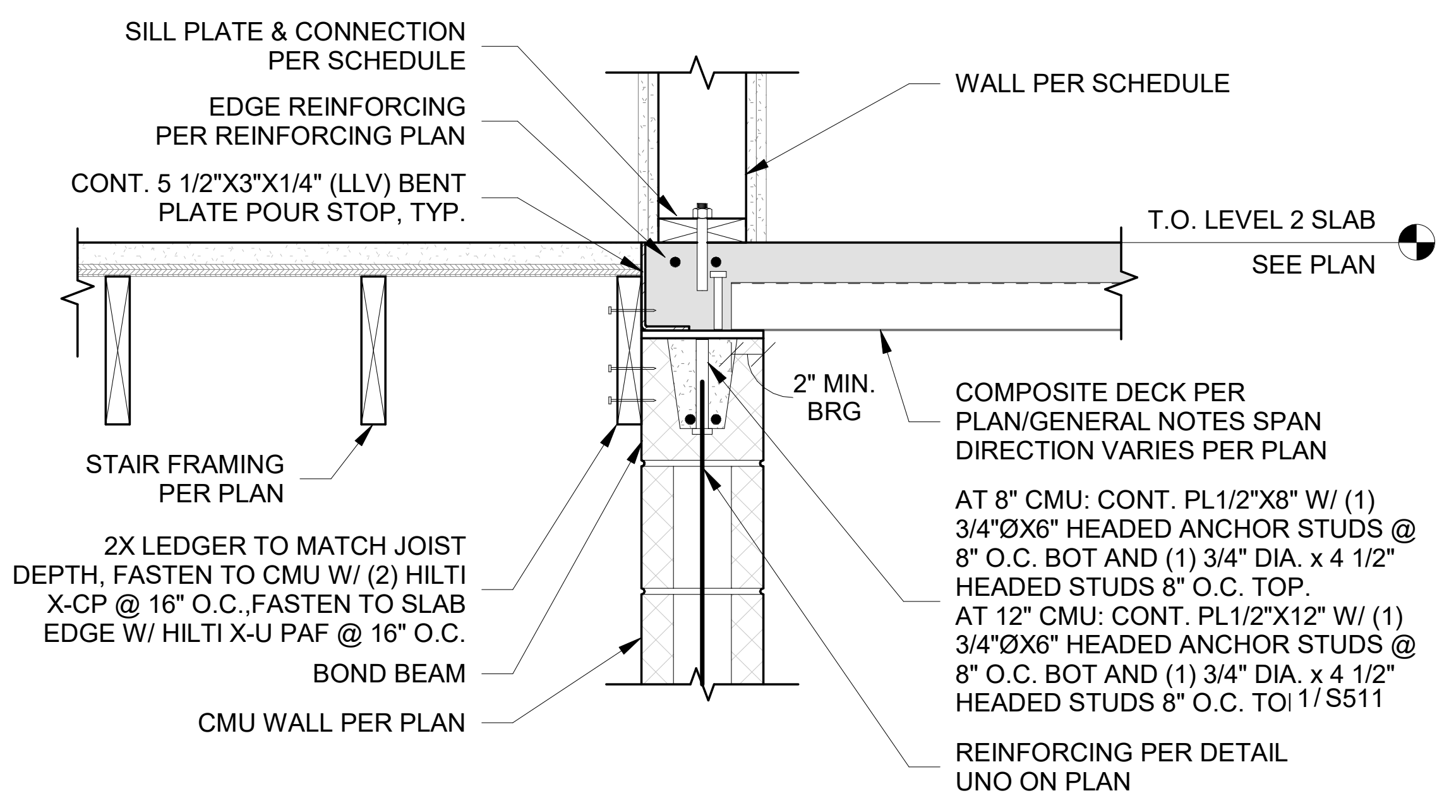
5 SECTION AT STAIR LANDING AT EXTERIOR WALL
S521 1" = 1'-0"


FINISH PER ARCH.
CMU WALL PER PLAN
MIN. (3) COURSE BOND BEAM W/ (2) CONT. #5 BARS BOTTOM, LOWEST COURSE OF BOND BEAM MUST BE AT LEAST 1 1/2" BELOW LEDGER ANCHORS
STAIRS FRAMING PER PLAN
REINFORCING PER PLAN
2X LEDGER TO MATCH JOIST DEPTH, FASTEN TO CMU W/ (2) HILTI KWIK HUS EZ W/ 5" EMBED @ 16" O.C.

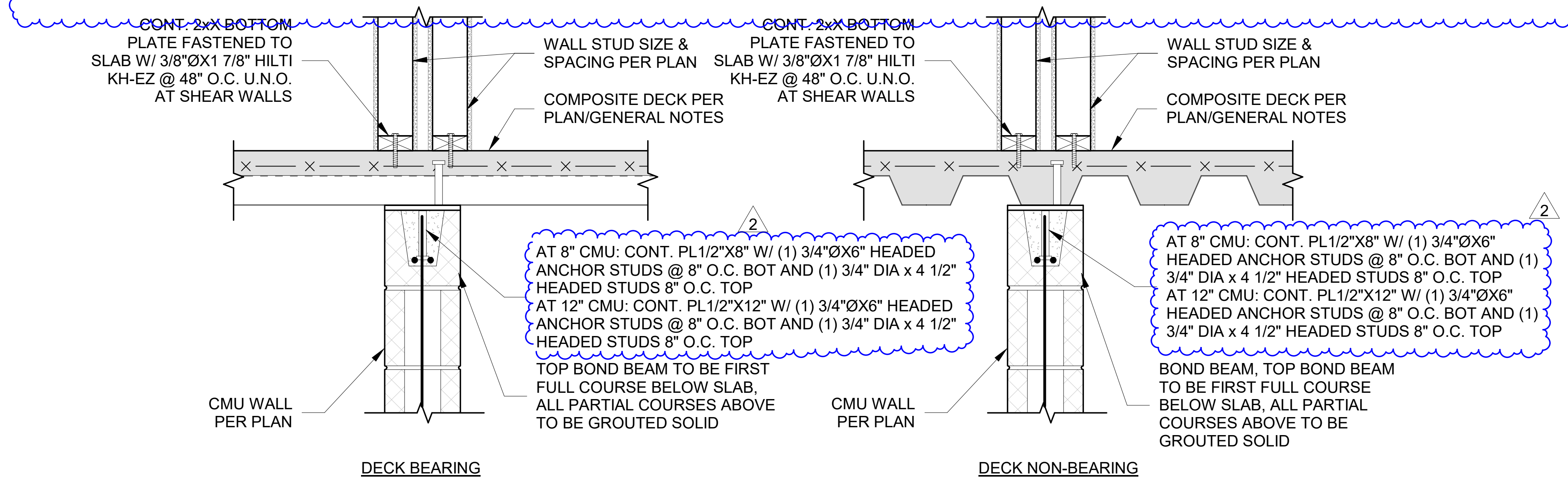
6 SECTION AT STAIR LANDING AT EXTERIOR WALL
S521 1" = 1'-0"


CONT. 2xX BOTTOM PLATE FASTENED TO SLAB W/ 3/8"ØX1 7/8" HILTI KH-EZ @ 48" O.C. U.N.O. AT SHEAR WALLS
WALL SHEATHING PER PLAN & ARCH DWGS
WALL STUD SIZE & SPACING PER PLAN
EDGE REINFORCING PER 1 / S005
SIMPSON HANGER PER SCHEDULE
1/4
2-12
T.O. LEVEL 2 SLAB
SEE PLAN
2" MIN. BRG
STAIRS FRAMING PER PLAN
COMPOSITE DECK PER PLAN/GENERAL NOTES SPAN DIRECTION VARIES PER PLAN
CONT. 5 1/2"X3"X1/4" (LLV) BENT PLATE POUR STOP, TYP.
AT 8" CMU: CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. AT 12" CMU: CONT. PL1/2"X12" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C.
2X LEDGER TO MATCH JOIST DEPTH (2) HILTI X-CP @ 8" O.C., INTO BOND BEAM & SLAB EDGE
BOND BEAM, TOP BOND BEAM TO BE FIRST FULL COURSE BELOW SLAB, ALL PARTIAL COURSES ABOVE TO BE GROUTED SOLID
REINFORCING PER PLAN
CMU WALL PER PLAN

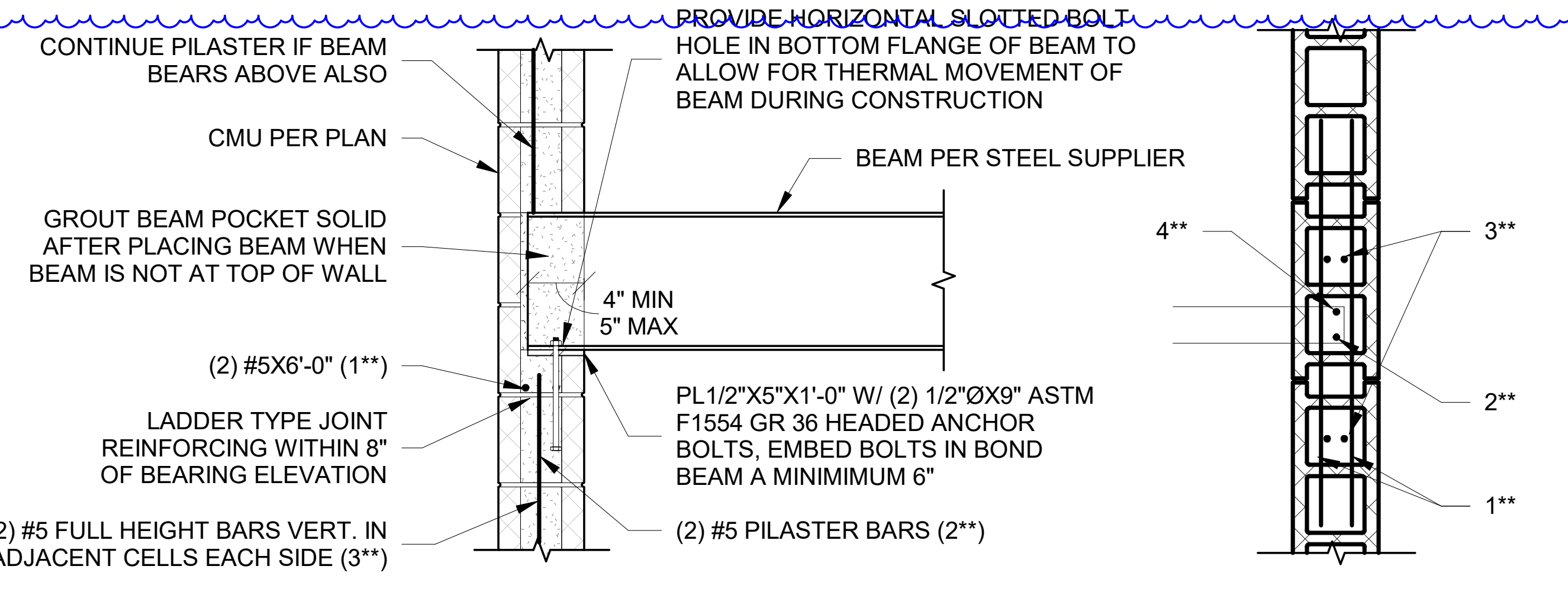
7 SECTION AT LEVEL 2 STAIRS
S521 1" = 1'-0"


2
SILL PLATE & CONNECTION PER SCHEDULE
WALL PER SCHEDULE
EDGE REINFORCING PER REINFORCING PLAN
CONT. 5 1/2"X3"X1/4" (LLV) BENT PLATE POUR STOP, TYP.
T.O. LEVEL 2 SLAB
SEE PLAN
2" MIN. BRG
STAIR FRAMING PER PLAN
COMPOSITE DECK PER PLAN/GENERAL NOTES SPAN DIRECTION VARIES PER PLAN
2X LEDGER TO MATCH JOIST DEPTH, FASTEN TO CMU W/ (2) HILTI X-CP @ 16" O.C.,FASTEN TO SLAB EDGE W/ HILTI X-U PAF @ 16" O.C.
AT 8" CMU: CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOT AND (1) 3/4" DIA. x 4 1/2" HEADED STUDS 8" O.C. TOP. AT 12" CMU: CONT. PL1/2"X12" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOT AND (1) 3/4" DIA. x 4 1/2" HEADED STUDS 8" O.C. TOI 1 / S511
BOND BEAM
CMU WALL PER PLAN
REINFORCING PER DETAIL UNO ON PLAN

8 SECTION AT LEVEL 2 STAIRS JOISTS PARALLEL
S521 1" = 1'-0"

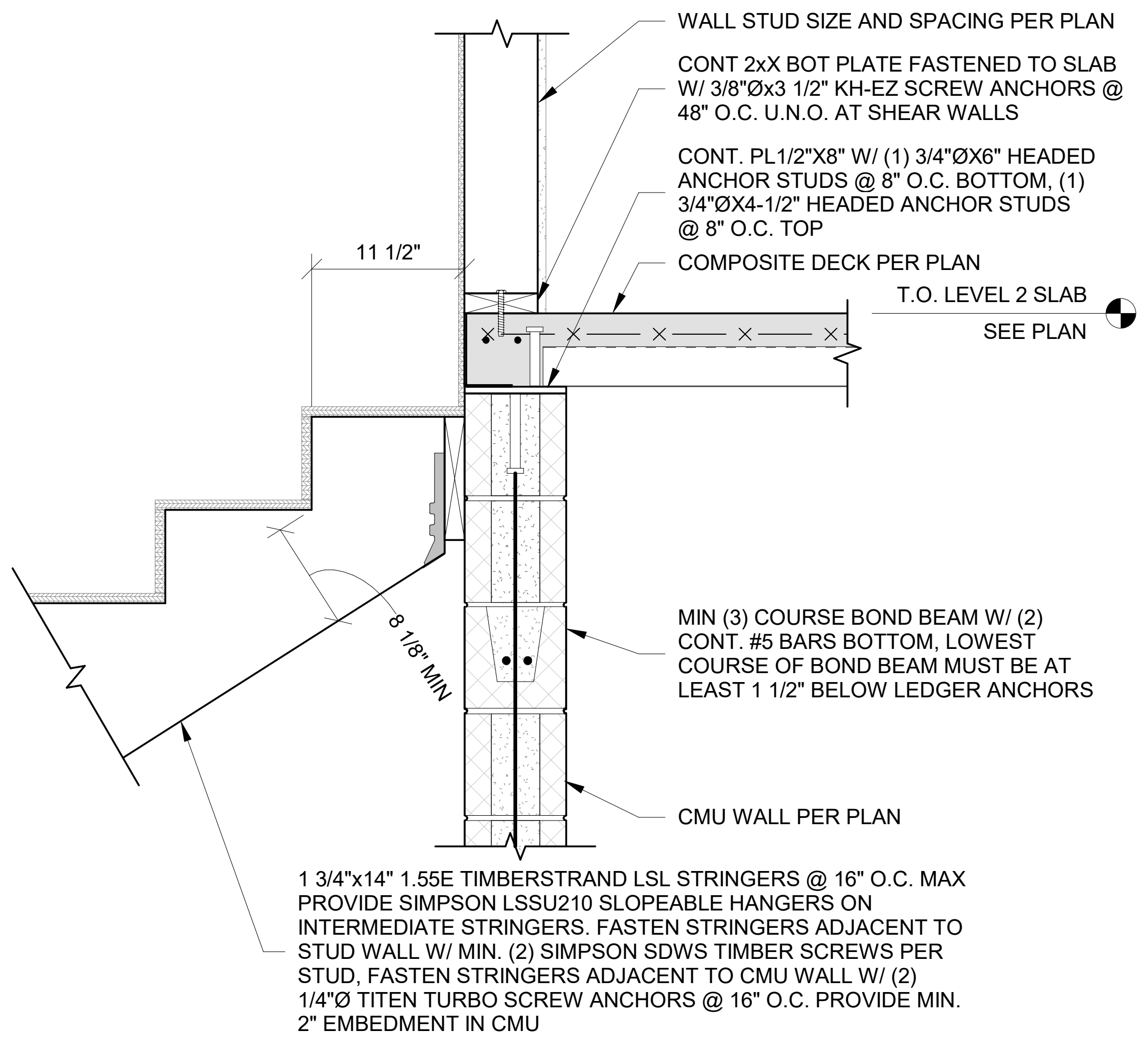

CONT. 2xX BOTTOM PLATE FASTENED TO SLAB W/ 3/8"ØX1 7/8" HILTI KH-EZ @ 48" O.C. U.N.O. AT SHEAR WALLS
WALL STUD SIZE & SPACING PER PLAN
COMPOSITE DECK PER PLAN/GENERAL NOTES
2
AT 8" CMU: CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOT AND (1) 3/4" DIA x 4 1/2" HEADED STUDS 8" O.C. TOP AT 12" CMU: CONT. PL1/2"X12" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOT AND (1) 3/4" DIA x 4 1/2" HEADED STUDS 8" O.C. TOP
TOP BOND BEAM TO BE FIRST FULL COURSE BELOW SLAB, ALL PARTIAL COURSES ABOVE TO BE GROUTED SOLID
CMU WALL PER PLAN
DECK BEARING
CONT. 2xX BOTTOM PLATE FASTENED TO SLAB W/ 3/8"ØX1 7/8" HILTI KH-EZ @ 48" O.C. U.N.O. AT SHEAR WALLS
WALL STUD SIZE & SPACING PER PLAN
COMPOSITE DECK PER PLAN/GENERAL NOTES
2
AT 8" CMU: CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOT AND (1) 3/4" DIA x 4 1/2" HEADED STUDS 8" O.C. TOP AT 12" CMU: CONT. PL1/2"X12" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOT AND (1) 3/4" DIA x 4 1/2" HEADED STUDS 8" O.C. TOP
BOND BEAM, TOP BOND BEAM TO BE FIRST FULL COURSE BELOW SLAB, ALL PARTIAL COURSES ABOVE TO BE GROUTED SOLID
CMU WALL PER PLAN
DECK NON-BEARING

9 COMPOSITE DECK AT MASONRY
S521 1" = 1'-0"

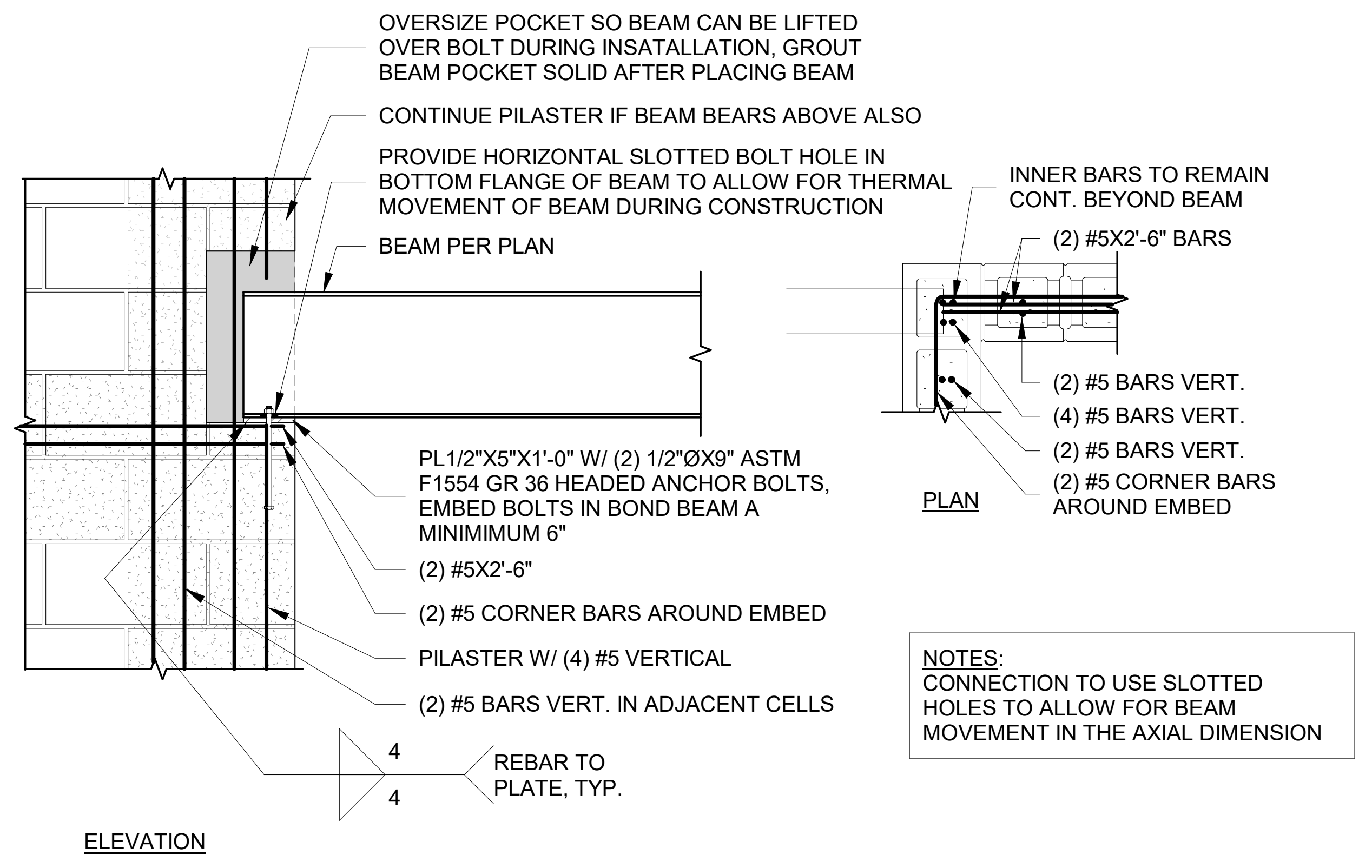

CONTINUE PILASTER IF BEAM BEARS ABOVE ALSO
PROVIDE HORIZONTAL SLOTTED BOLT HOLE IN BOTTOM FLANGE OF BEAM TO ALLOW FOR THERMAL MOVEMENT OF BEAM DURING CONSTRUCTION
CMU PER PLAN
BEAM PER STEEL SUPPLIER
GROUT BEAM POCKET SOLID AFTER PLACING BEAM WHEN BEAM IS NOT AT TOP OF WALL
4" MIN
5" MAX
(2) #5X6'-0" (1**)
LADDER TYPE JOINT REINFORCING WITHIN 8" OF BEARING ELEVATION
PL1/2"X5"X1'-0" W/ (2) 1/2"ØX9" ASTM F1554 GR 36 HEADED ANCHOR BOLTS, EMBED BOLTS IN BOND BEAM A MINIMIMUM 6"
(2) #5 FULL HEIGHT BARS VERT. IN ADJACENT CELLS EACH SIDE (3**)
(2) #5 PILASTER BARS (2**)
4**
3**
2**
1**

NOTES:
CONNECTION SHOULD USE SLOTTED HOLES TO ALLOW FOR BEAM MOVEMENT IN THE AXIAL DIMENSION

10 BEAM CONNECTION TO MASONRY - MID WALL
S521 3/4" = 1'-0"

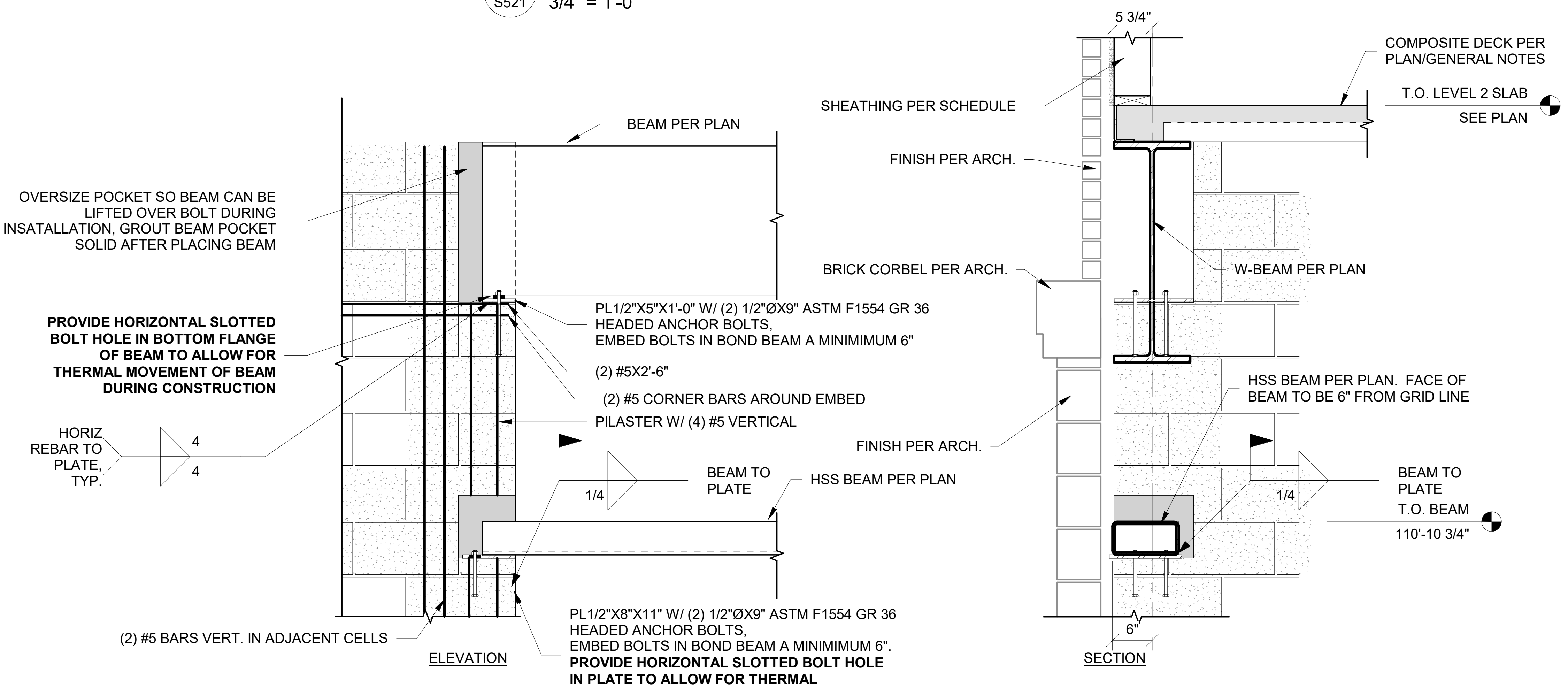

WALL STUD SIZE AND SPACING PER PLAN
CONT 2xX BOT PLATE FASTENED TO SLAB W/ 3/8"Øx3 1/2" KH-EZ SCREW ANCHORS @ 48" O.C. U.N.O. AT SHEAR WALLS
CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOTTOM, (1) 3/4"ØX4-1/2" HEADED ANCHOR STUDS @ 8" O.C. TOP
11 1/2"
COMPOSITE DECK PER PLAN
T.O. LEVEL 2 SLAB
SEE PLAN
8 1/8" MIN
MIN (3) COURSE BOND BEAM W/ (2) CONT. #5 BARS BOTTOM, LOWEST COURSE OF BOND BEAM MUST BE AT LEAST 1 1/2" BELOW LEDGER ANCHORS
CMU WALL PER PLAN
1 3/4"x14" 1.55E TIMBERSTRAND LSL STRINGERS @ 16" O.C. MAX PROVIDE SIMPSON LSSU210 SLOPEABLE HANGERS ON INTERMEDIATE STRINGERS. FASTEN STRINGERS ADJACENT TO STUD WALL W/ MIN. (2) SIMPSON SDWS TIMBER SCREWS PER STUD, FASTEN STRINGERS ADJACENT TO CMU WALL W/ (2) 1/4"Ø TITEN TURBO SCREW ANCHORS @ 16" O.C. PROVIDE MIN. 2" EMBEDMENT IN CMU

11 STAIR STRINGER CONNECTION TO CMU WALL
S521 1" = 1'-0"


OVERSIZE POCKET SO BEAM CAN BE LIFTED OVER BOLT DURING INSATALLATION, GROUT BEAM POCKET SOLID AFTER PLACING BEAM
CONTINUE PILASTER IF BEAM BEARS ABOVE ALSO
PROVIDE HORIZONTAL SLOTTED BOLT HOLE IN BOTTOM FLANGE OF BEAM TO ALLOW FOR THERMAL MOVEMENT OF BEAM DURING CONSTRUCTION
BEAM PER PLAN
INNER BARS TO REMAIN CONT. BEYOND BEAM
(2) #5X2'-6" BARS
PL1/2"X5"X1'-0" W/ (2) 1/2"ØX9" ASTM F1554 GR 36 HEADED ANCHOR BOLTS, EMBED BOLTS IN BOND BEAM A MINIMIMUM 6"
(2) #5 BARS VERT.
(4) #5 BARS VERT.
(2) #5 BARS VERT.
(2) #5 CORNER BARS AROUND EMBED
PLAN
(2) #5X2'-6"
(2) #5 CORNER BARS AROUND EMBED
PILASTER W/ (4) #5 VERTICAL
(2) #5 BARS VERT. IN ADJACENT CELLS
4
4
REBAR TO PLATE, TYP.
ELEVATION

NOTES:
CONNECTION TO USE SLOTTED HOLES TO ALLOW FOR BEAM MOVEMENT IN THE AXIAL DIMENSION

12 BEAM CONNECTION TO MASONRY AT CORNER
S521 3/4" = 1'-0"


5 3/4"
COMPOSITE DECK PER PLAN/GENERAL NOTES
T.O. LEVEL 2 SLAB
SEE PLAN
SHEATHING PER SCHEDULE
BEAM PER PLAN
FINISH PER ARCH.
OVERSIZE POCKET SO BEAM CAN BE LIFTED OVER BOLT DURING INSATALLATION, GROUT BEAM POCKET SOLID AFTER PLACING BEAM
BRICK CORBEL PER ARCH.
W-BEAM PER PLAN
PROVIDE HORIZONTAL SLOTTED BOLT HOLE IN BOTTOM FLANGE OF BEAM TO ALLOW FOR THERMAL MOVEMENT OF BEAM DURING CONSTRUCTION
PL1/2"X5"X1'-0" W/ (2) 1/2"ØX9" ASTM F1554 GR 36 HEADED ANCHOR BOLTS, EMBED BOLTS IN BOND BEAM A MINIMIMUM 6"
(2) #5X2'-6"
(2) #5 CORNER BARS AROUND EMBED
HSS BEAM PER PLAN. FACE OF BEAM TO BE 6" FROM GRID LINE
PILASTER W/ (4) #5 VERTICAL
HORIZ REBAR TO PLATE, TYP.
4
4
FINISH PER ARCH.
BEAM TO PLATE
1/4
HSS BEAM PER PLAN
BEAM TO PLATE
1/4
T.O. BEAM
110'-10 3/4"
(2) #5 BARS VERT. IN ADJACENT CELLS
ELEVATION
6"
SECTION
PL1/2"X8"X11" W/ (2) 1/2"ØX9" ASTM F1554 GR 36 HEADED ANCHOR BOLTS, EMBED BOLTS IN BOND BEAM A MINIMIMUM 6".
PROVIDE HORIZONTAL SLOTTED BOLT HOLE IN PLATE TO ALLOW FOR THERMAL MOVEMENT OF BEAM DURING CONSTRUCTION

13 CMU WALL BEAM SUPPORT
S521 3/4" = 1'-0"

- WOOD ROOF DETAILS MOVED TO S540 SERIES SHEETS
- PODIUM FRAMING DETAILS MOVED TO THIS SHEET FROM S505, S506, S507

1

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/2024	Addendum #1
2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

McCLURE™

2001 W Broadway
Columbia, MO 65203
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MISSOURI CERTIFICATE OF AUTHORITY
NO. E-2006023253
EXPIRES: DECEMBER 31, 2024

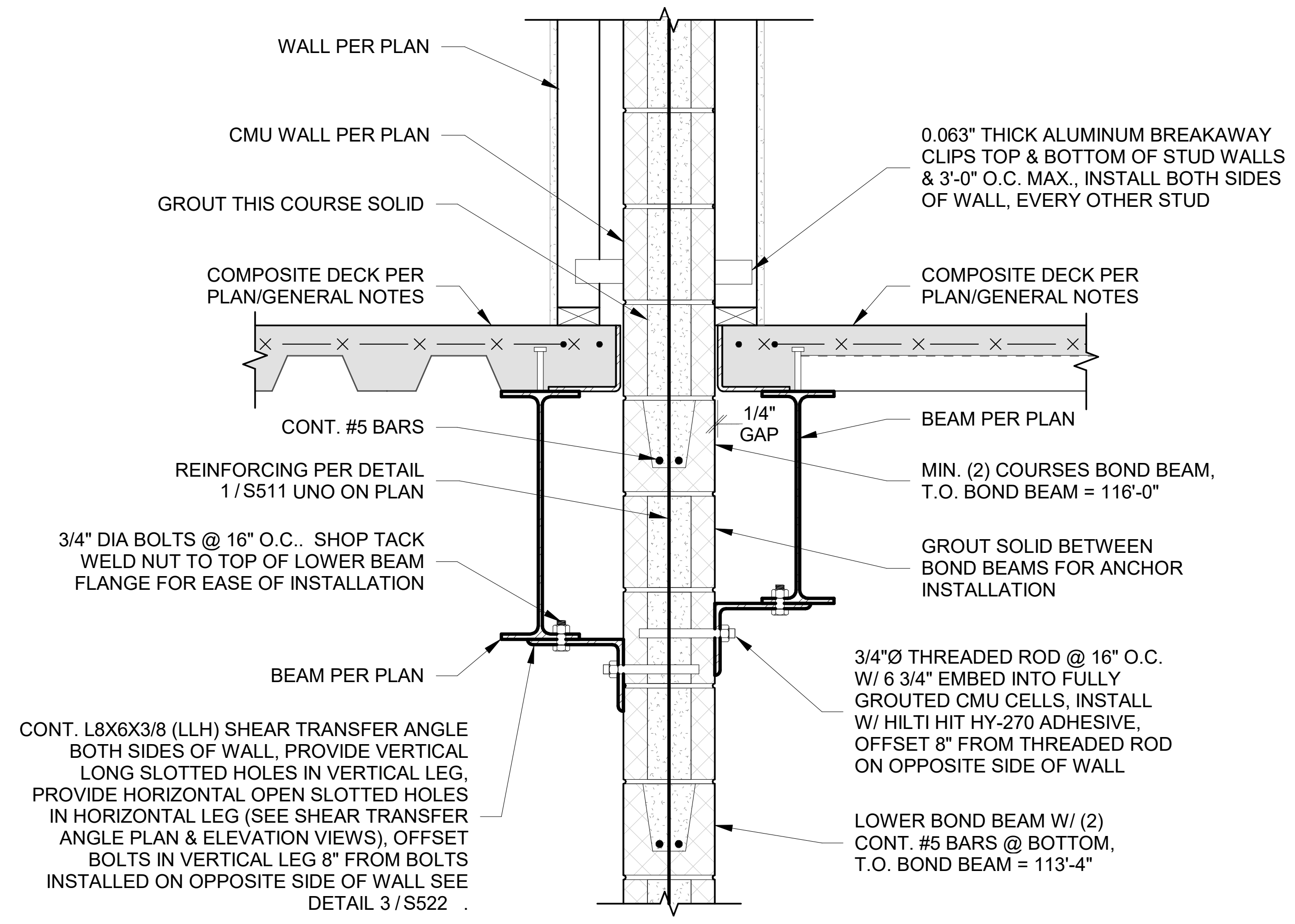
THE VILLAGE AT DISCOVERY - LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
PODIUM FRAMING DETAILS

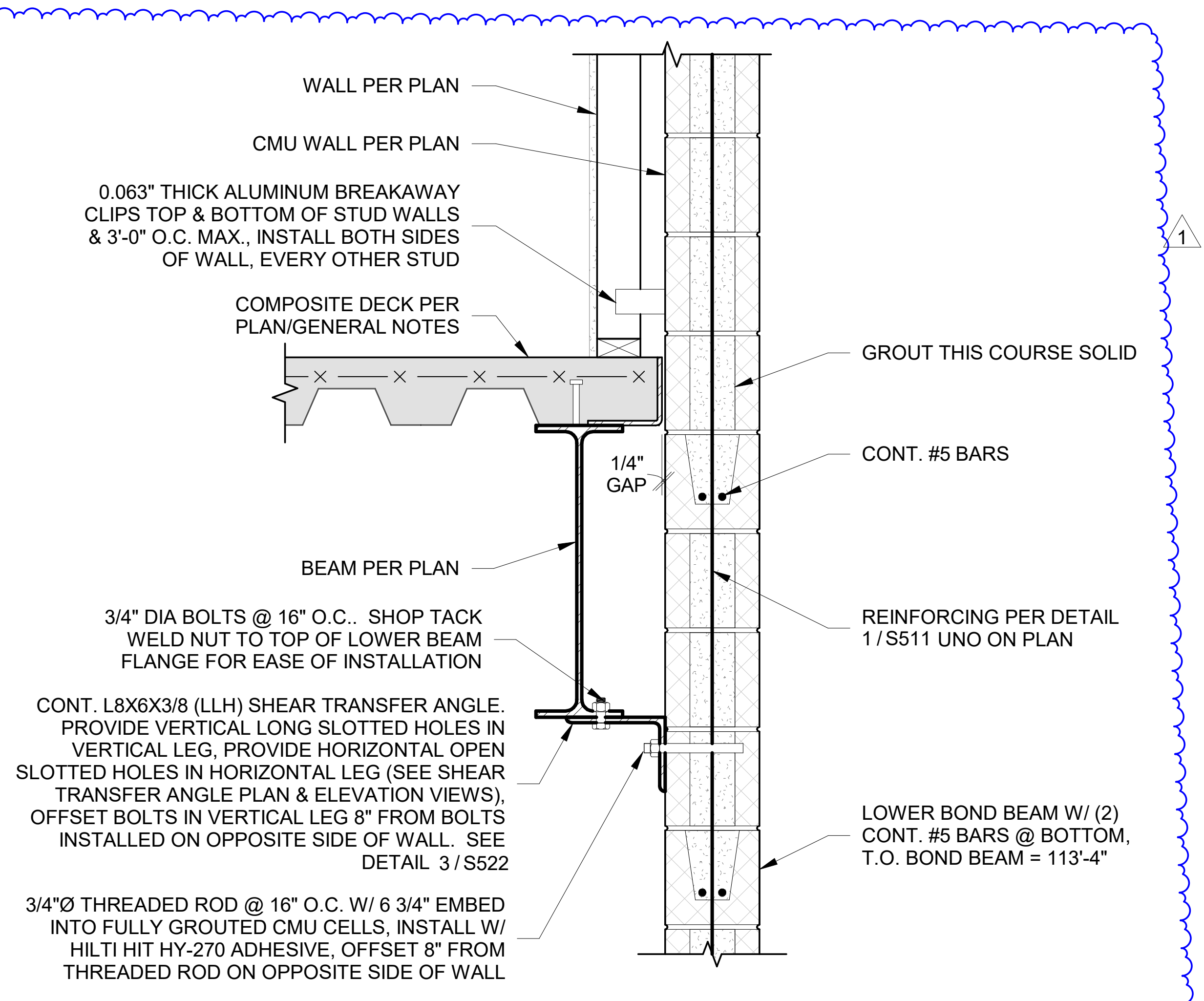
PROJECT NUMBER: 2023000333

SHEET NUMBER:
S521

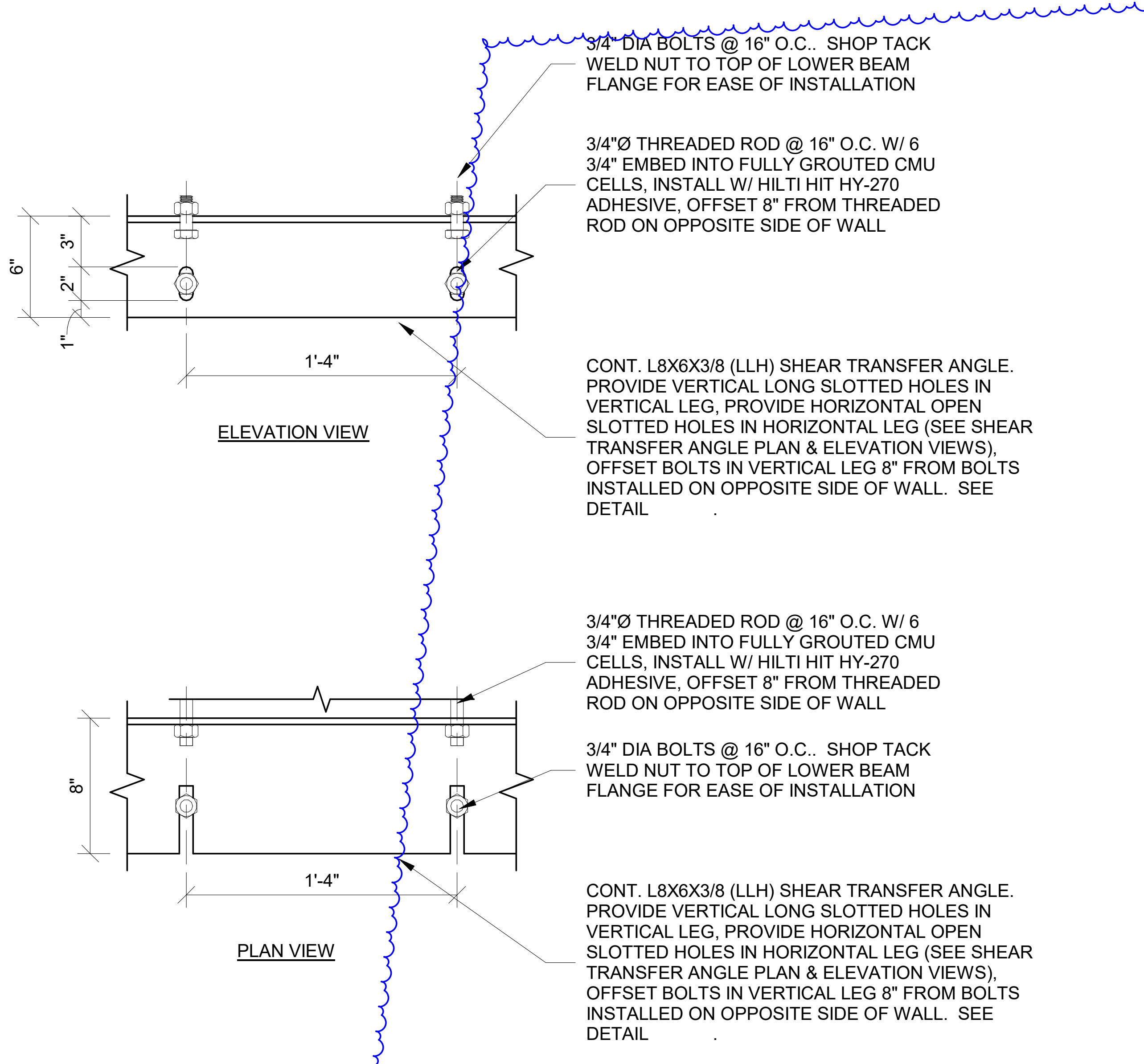
12/24/2024 5:56:24 PM
Autodesk Docs://2023000333 - Discovery Park Lee's Summit/2023000333 - Rosemann - Lot 4_R23.rvt


WALL PER PLAN
CMU WALL PER PLAN
GROUT THIS COURSE SOLID
COMPOSITE DECK PER PLAN/GENERAL NOTES
CONT. #5 BARS
REINFORCING PER DETAIL 1 / S511 UNO ON PLAN
3/4" DIA BOLTS @ 16" O.C.. SHOP TACK WELD NUT TO TOP OF LOWER BEAM FLANGE FOR EASE OF INSTALLATION
BEAM PER PLAN
CONT. L8X6X3/8 (LLH) SHEAR TRANSFER ANGLE BOTH SIDES OF WALL, PROVIDE VERTICAL LONG SLOTTED HOLES IN VERTICAL LEG, PROVIDE HORIZONTAL OPEN SLOTTED HOLES IN HORIZONTAL LEG (SEE SHEAR TRANSFER ANGLE PLAN & ELEVATION VIEWS), OFFSET BOLTS IN VERTICAL LEG 8" FROM BOLTS INSTALLED ON OPPOSITE SIDE OF WALL SEE DETAIL 3 / S522 .
0.063" THICK ALUMINUM BREAKAWAY CLIPS TOP & BOTTOM OF STUD WALLS & 3'-0" O.C. MAX., INSTALL BOTH SIDES OF WALL, EVERY OTHER STUD
COMPOSITE DECK PER PLAN/GENERAL NOTES
1/4" GAP
BEAM PER PLAN
MIN. (2) COURSES BOND BEAM, T.O. BOND BEAM = 116'-0"
GROUT SOLID BETWEEN BOND BEAMS FOR ANCHOR INSTALLATION
3/4"Ø THREADED ROD @ 16" O.C. W/ 6 3/4" EMBED INTO FULLY GROUTED CMU CELLS, INSTALL W/ HILTI HIT HY-270 ADHESIVE, OFFSET 8" FROM THREADED ROD ON OPPOSITE SIDE OF WALL
LOWER BOND BEAM W/ (2) CONT. #5 BARS @ BOTTOM, T.O. BOND BEAM = 113'-4"

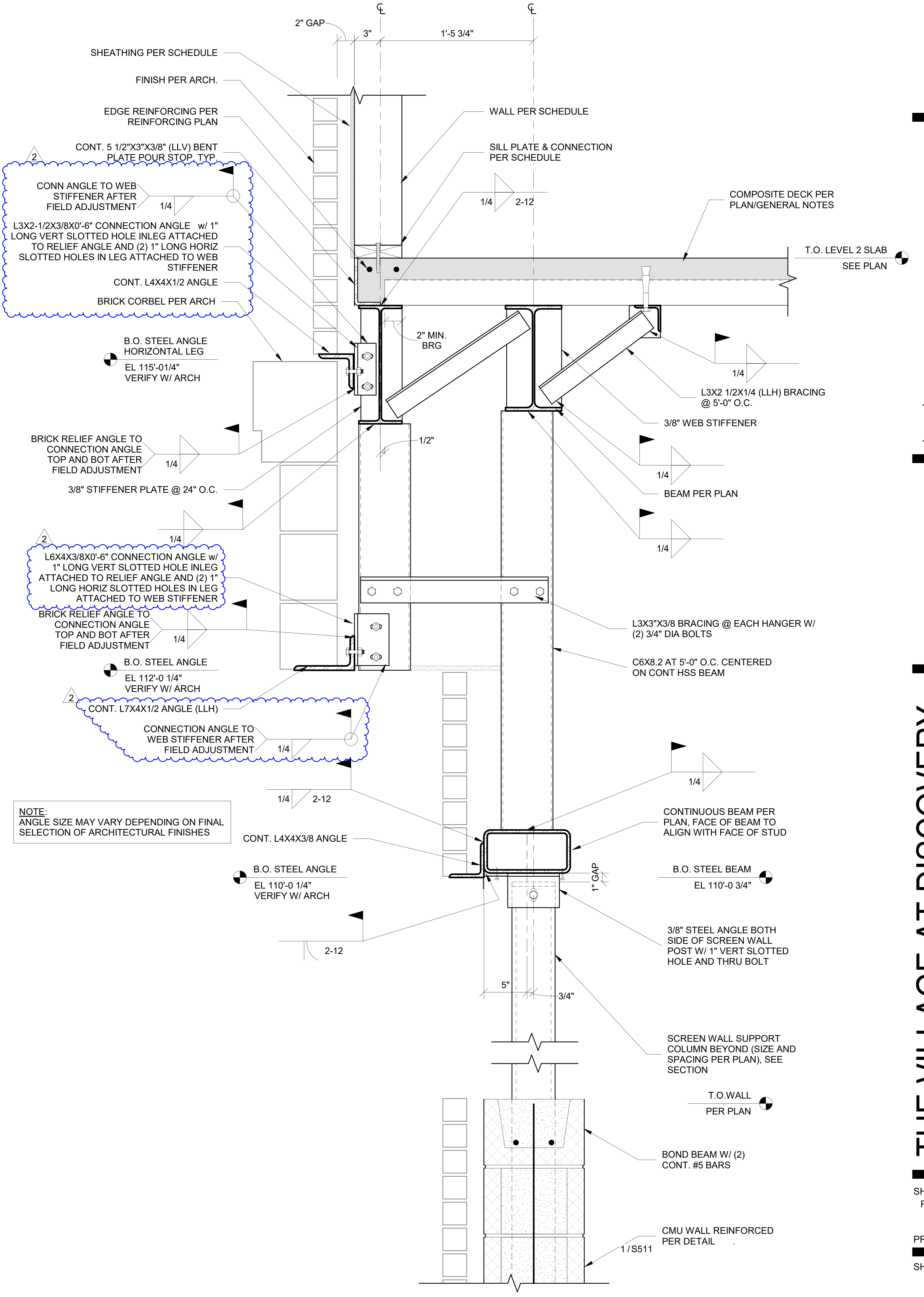
1 S522 COMPOSITE DECK TRANSITION AT CMU FIRE WALL
1" = 1'-0"


1
WALL PER PLAN
CMU WALL PER PLAN
0.063" THICK ALUMINUM BREAKAWAY CLIPS TOP & BOTTOM OF STUD WALLS & 3'-0" O.C. MAX., INSTALL BOTH SIDES OF WALL, EVERY OTHER STUD
COMPOSITE DECK PER PLAN/GENERAL NOTES
BEAM PER PLAN
3/4" DIA BOLTS @ 16" O.C.. SHOP TACK WELD NUT TO TOP OF LOWER BEAM FLANGE FOR EASE OF INSTALLATION
CONT. L8X6X3/8 (LLH) SHEAR TRANSFER ANGLE. PROVIDE VERTICAL LONG SLOTTED HOLES IN VERTICAL LEG, PROVIDE HORIZONTAL OPEN SLOTTED HOLES IN HORIZONTAL LEG (SEE SHEAR TRANSFER ANGLE PLAN & ELEVATION VIEWS), OFFSET BOLTS IN VERTICAL LEG 8" FROM BOLTS INSTALLED ON OPPOSITE SIDE OF WALL. SEE DETAIL 3 / S522
3/4"Ø THREADED ROD @ 16" O.C. W/ 6 3/4" EMBED INTO FULLY GROUTED CMU CELLS, INSTALL W/ HILTI HIT HY-270 ADHESIVE, OFFSET 8" FROM THREADED ROD ON OPPOSITE SIDE OF WALL
1/4" GAP
GROUT THIS COURSE SOLID
CONT. #5 BARS
REINFORCING PER DETAIL 1 / S511 UNO ON PLAN
LOWER BOND BEAM W/ (2) CONT. #5 BARS @ BOTTOM, T.O. BOND BEAM = 113'-4"

2 S522 COMPOSITE DECK AT CMU FIRE WALL
1" = 1'-0"


3/4" DIA BOLTS @ 16" O.C.. SHOP TACK WELD NUT TO TOP OF LOWER BEAM FLANGE FOR EASE OF INSTALLATION
3/4"Ø THREADED ROD @ 16" O.C. W/ 6 3/4" EMBED INTO FULLY GROUTED CMU CELLS, INSTALL W/ HILTI HIT HY-270 ADHESIVE, OFFSET 8" FROM THREADED ROD ON OPPOSITE SIDE OF WALL
6"
3"
2"
1"
1'-4"
ELEVATION VIEW
CONT. L8X6X3/8 (LLH) SHEAR TRANSFER ANGLE. PROVIDE VERTICAL LONG SLOTTED HOLES IN VERTICAL LEG, PROVIDE HORIZONTAL OPEN SLOTTED HOLES IN HORIZONTAL LEG (SEE SHEAR TRANSFER ANGLE PLAN & ELEVATION VIEWS), OFFSET BOLTS IN VERTICAL LEG 8" FROM BOLTS INSTALLED ON OPPOSITE SIDE OF WALL. SEE DETAIL .
3/4"Ø THREADED ROD @ 16" O.C. W/ 6 3/4" EMBED INTO FULLY GROUTED CMU CELLS, INSTALL W/ HILTI HIT HY-270 ADHESIVE, OFFSET 8" FROM THREADED ROD ON OPPOSITE SIDE OF WALL
3/4" DIA BOLTS @ 16" O.C.. SHOP TACK WELD NUT TO TOP OF LOWER BEAM FLANGE FOR EASE OF INSTALLATION
8"
1'-4"
PLAN VIEW
CONT. L8X6X3/8 (LLH) SHEAR TRANSFER ANGLE. PROVIDE VERTICAL LONG SLOTTED HOLES IN VERTICAL LEG, PROVIDE HORIZONTAL OPEN SLOTTED HOLES IN HORIZONTAL LEG (SEE SHEAR TRANSFER ANGLE PLAN & ELEVATION VIEWS), OFFSET BOLTS IN VERTICAL LEG 8" FROM BOLTS INSTALLED ON OPPOSITE SIDE OF WALL. SEE DETAIL .

3 S522 SHEAR TRANSFER ANGLE PLAN & ELEVATION VIEWS
1 1/2" = 1'-0"


2" GAP
3"
1'-5 3/4"
SHEATHING PER SCHEDULE
FINISH PER ARCH.
EDGE REINFORCING PER REINFORCING PLAN
CONT. 5 1/2"X3"X3/8" (LLV) BENT PLATE POUR STOP, TYP.
2
CONN ANGLE TO WEB STIFFENER AFTER FIELD ADJUSTMENT
1/4
L3X2-1/2X3/8X0'-6" CONNECTION ANGLE w/ 1" LONG VERT SLOTTED HOLE INLEG ATTACHED TO RELIEF ANGLE AND (2) 1" LONG HORIZ SLOTTED HOLES IN LEG ATTACHED TO WEB STIFFENER
CONT. L4X4X1/2 ANGLE
BRICK CORBEL PER ARCH
B.O. STEEL ANGLE HORIZONTAL LEG
EL 115'-01/4" VERIFY W/ ARCH
BRICK RELIEF ANGLE TO CONNECTION ANGLE TOP AND BOT AFTER FIELD ADJUSTMENT
1/4
3/8" STIFFENER PLATE @ 24" O.C.
1/4
2
L6X4X3/8X0'-6" CONNECTION ANGLE w/ 1" LONG VERT SLOTTED HOLE INLEG ATTACHED TO RELIEF ANGLE AND (2) 1" LONG HORIZ SLOTTED HOLES IN LEG ATTACHED TO WEB STIFFENER
BRICK RELIEF ANGLE TO CONNECTION ANGLE TOP AND BOT AFTER FIELD ADJUSTMENT
1/4
B.O. STEEL ANGLE
EL 112'-0 1/4" VERIFY W/ ARCH
2
CONT. L7X4X1/2 ANGLE (LLH)
CONNECTION ANGLE TO WEB STIFFENER AFTER FIELD ADJUSTMENT
1/4
1/4
2-12
CONT. L4X4X3/8 ANGLE
B.O. STEEL ANGLE
EL 110'-0 1/4" VERIFY W/ ARCH
2-12
WALL PER SCHEDULE
SILL PLATE & CONNECTION PER SCHEDULE
1/4
2-12
2" MIN. BRG
1/2"
COMPOSITE DECK PER PLAN/GENERAL NOTES
T.O. LEVEL 2 SLAB
SEE PLAN
1/4
L3X2 1/2X1/4 (LLH) BRACING @ 5'-0" O.C.
3/8" WEB STIFFENER
1/4
BEAM PER PLAN
1/4
L3X3"X3/8 BRACING @ EACH HANGER W/ (2) 3/4" DIA BOLTS
C6X8.2 AT 5'-0" O.C. CENTERED ON CONT HSS BEAM
1/4
CONTINUOUS BEAM PER PLAN, FACE OF BEAM TO ALIGN WITH FACE OF STUD
1" GAP
B.O. STEEL BEAM
EL 110'-0 3/4"
3/8" STEEL ANGLE BOTH SIDE OF SCREEN WALL POST W/ 1" VERT SLOTTED HOLE AND THRU BOLT
5"
3/4"
SCREEN WALL SUPPORT COLUMN BEYOND (SIZE AND SPACING PER PLAN), SEE SECTION
T.O.WALL
PER PLAN
BOND BEAM W/ (2) CONT. #5 BARS
CMU WALL REINFORCED PER DETAIL 1 / S511 .

NOTE:
ANGLE SIZE MAY VARY DEPENDING ON FINAL SELECTION OF ARCHITECTURAL FINISHES

4 S522 SECTION AT GARAGE - LEVEL 2 CANTILEVER
1 1/2" = 1'-0"

1 NEW SHEET AND DETAILS (ENTIRE SHEET)

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/2024	Addendum #1
2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

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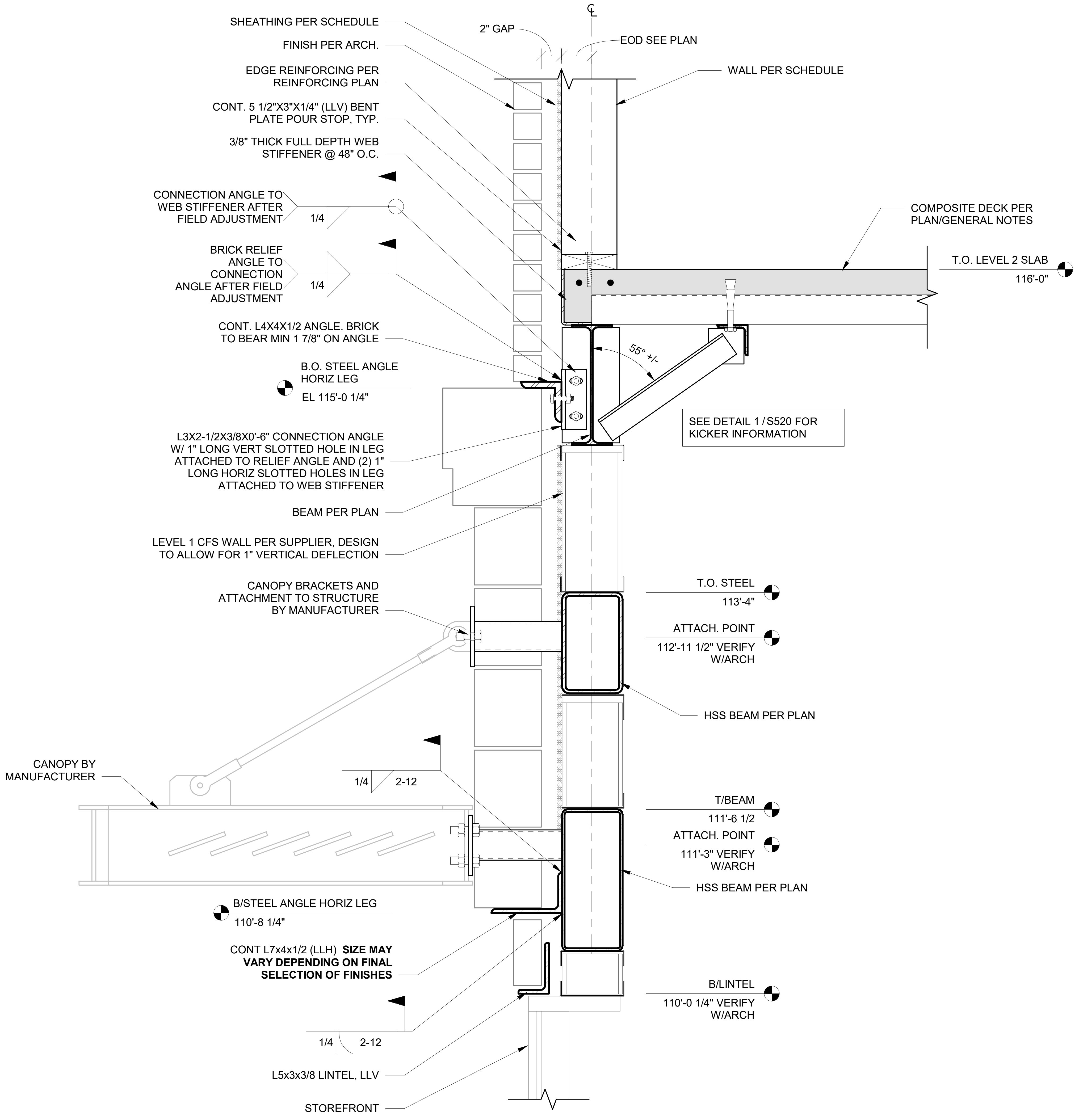
MISSOURI CERTIFICATE OF AUTHORITY
NO. E-2006023253
EXPIRES: DECEMBER 31, 2024

THE VILLAGE AT DISCOVERY - LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
PODIUM FRAMING DETAILS

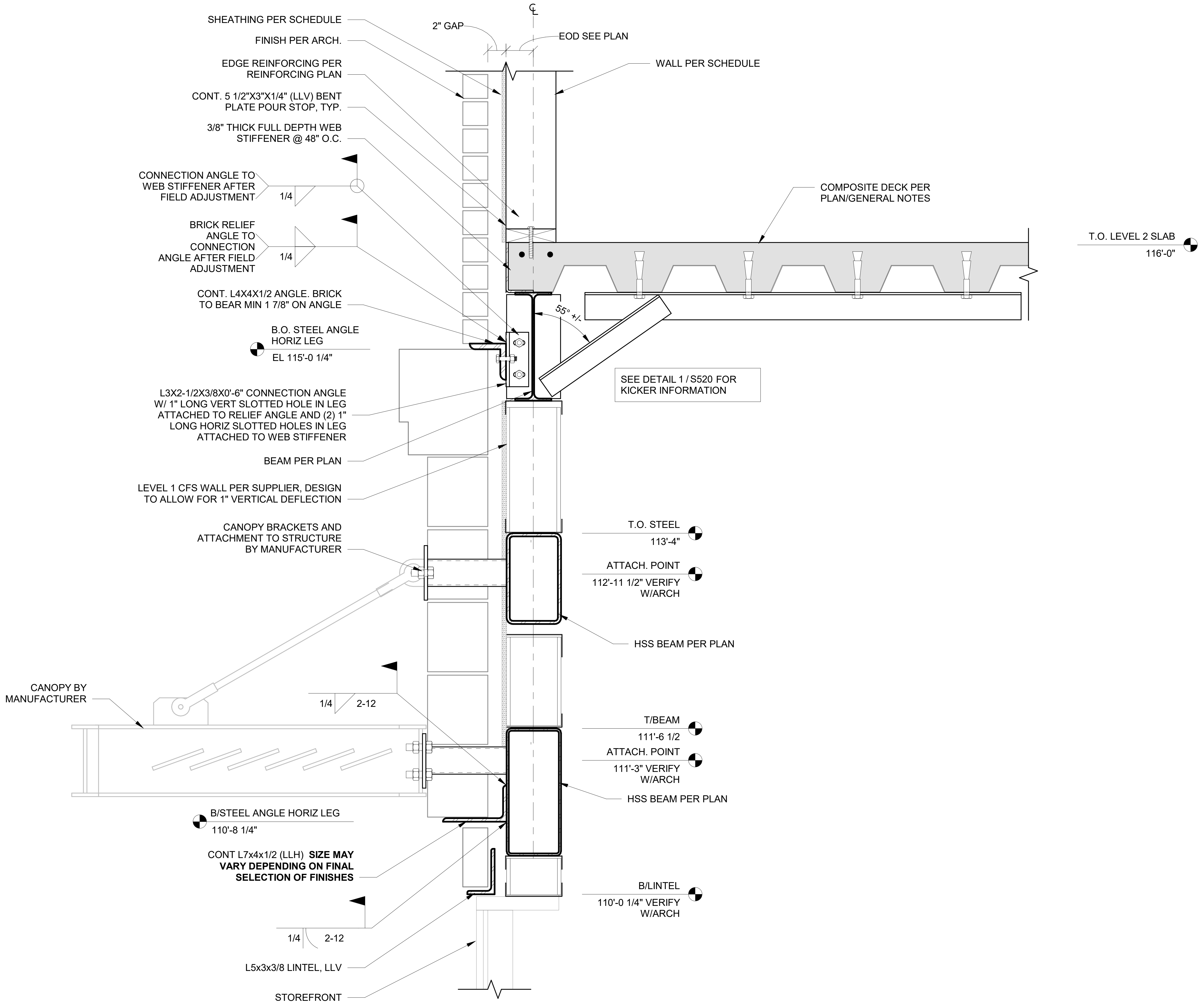
PROJECT NUMBER: 2023000333

SHEET NUMBER:
S522



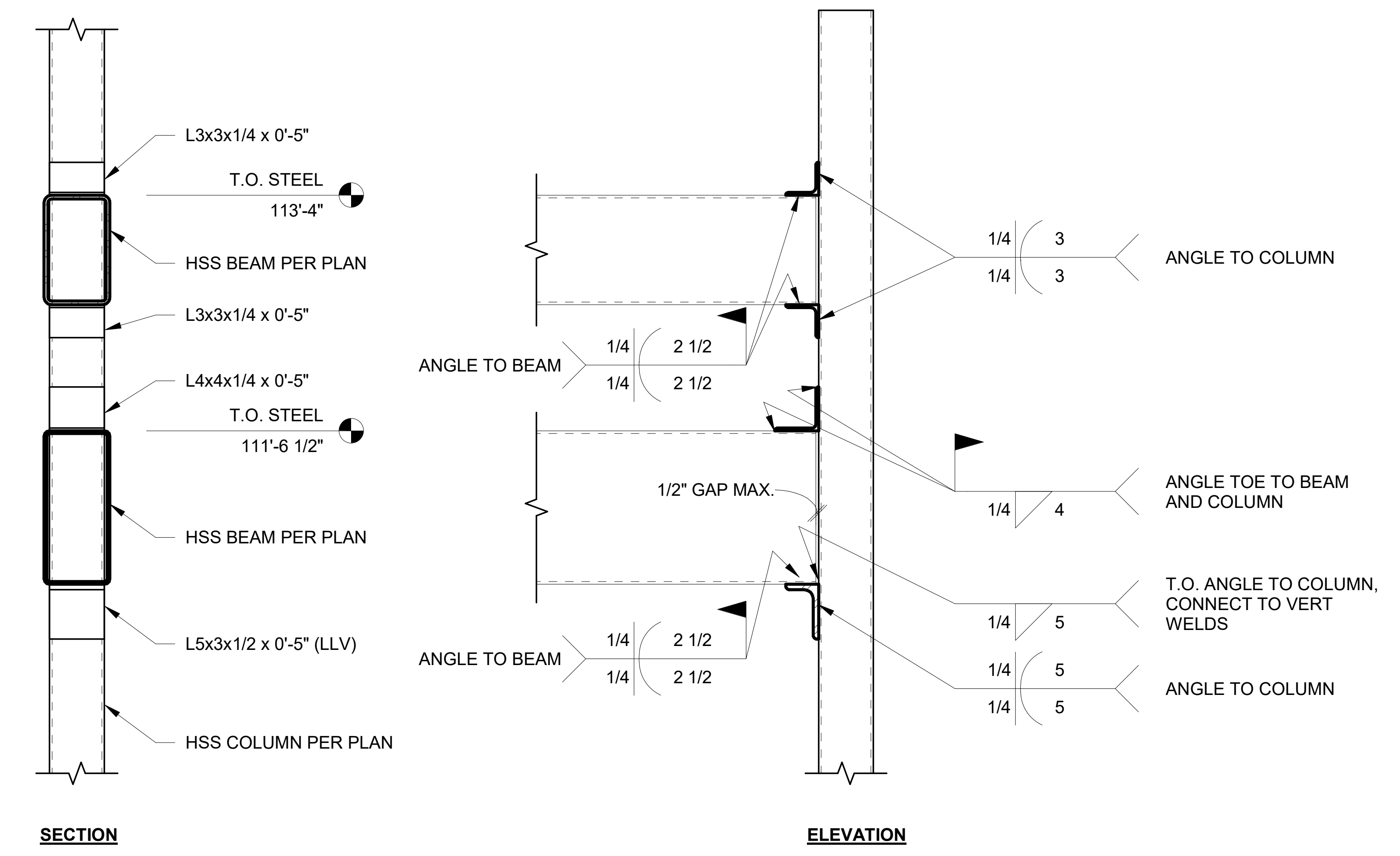
℄
2" GAP
EOD SEE PLAN
SHEATHING PER SCHEDULE
FINISH PER ARCH.
EDGE REINFORCING PER REINFORCING PLAN
CONT. 5 1/2"X3"X1/4" (LLV) BENT PLATE POUR STOP, TYP.
3/8" THICK FULL DEPTH WEB STIFFENER @ 48" O.C.
WALL PER SCHEDULE
CONNECTION ANGLE TO WEB STIFFENER AFTER FIELD ADJUSTMENT
1/4
COMPOSITE DECK PER PLAN/GENERAL NOTES
T.O. LEVEL 2 SLAB
116'-0"
BRICK RELIEF ANGLE TO CONNECTION ANGLE AFTER FIELD ADJUSTMENT
1/4
CONT. L4X4X1/2 ANGLE. BRICK TO BEAR MIN 1 7/8" ON ANGLE
55° +/-
B.O. STEEL ANGLE HORIZ LEG
EL 115'-0 1/4"
SEE DETAIL 1 / S520 FOR KICKER INFORMATION
L3X2-1/2X3/8X0'-6" CONNECTION ANGLE W/ 1" LONG VERT SLOTTED HOLE IN LEG ATTACHED TO RELIEF ANGLE AND (2) 1" LONG HORIZ SLOTTED HOLES IN LEG ATTACHED TO WEB STIFFENER
BEAM PER PLAN
LEVEL 1 CFS WALL PER SUPPLIER, DESIGN TO ALLOW FOR 1" VERTICAL DEFLECTION
CANOPY BRACKETS AND ATTACHMENT TO STRUCTURE BY MANUFACTURER
T.O. STEEL
113'-4"
ATTACH. POINT
112'-11 1/2" VERIFY W/ARCH
HSS BEAM PER PLAN
CANOPY BY MANUFACTURER
1/4
2-12
T/BEAM
111'-6 1/2
ATTACH. POINT
111'-3" VERIFY W/ARCH
HSS BEAM PER PLAN
B/STEEL ANGLE HORIZ LEG
110'-8 1/4"
CONT L7x4x1/2 (LLH) SIZE MAY VARY DEPENDING ON FINAL SELECTION OF FINISHES
B/LINTEL
110'-0 1/4" VERIFY W/ARCH
1/4
2-12
L5x3x3/8 LINTEL, LLV
STOREFRONT

1A
S523
PODIUM SECTION AT CANOPY, DECK PERPENDICULAR
1 1/2" = 1'-0"



℄
2" GAP
EOD SEE PLAN
SHEATHING PER SCHEDULE
FINISH PER ARCH.
EDGE REINFORCING PER REINFORCING PLAN
CONT. 5 1/2"X3"X1/4" (LLV) BENT PLATE POUR STOP, TYP.
3/8" THICK FULL DEPTH WEB STIFFENER @ 48" O.C.
WALL PER SCHEDULE
CONNECTION ANGLE TO WEB STIFFENER AFTER FIELD ADJUSTMENT
1/4
COMPOSITE DECK PER PLAN/GENERAL NOTES
T.O. LEVEL 2 SLAB
116'-0"
BRICK RELIEF ANGLE TO CONNECTION ANGLE AFTER FIELD ADJUSTMENT
1/4
CONT. L4X4X1/2 ANGLE. BRICK TO BEAR MIN 1 7/8" ON ANGLE
55° +/-
B.O. STEEL ANGLE HORIZ LEG
EL 115'-0 1/4"
SEE DETAIL 1 / S520 FOR KICKER INFORMATION
L3X2-1/2X3/8X0'-6" CONNECTION ANGLE W/ 1" LONG VERT SLOTTED HOLE IN LEG ATTACHED TO RELIEF ANGLE AND (2) 1" LONG HORIZ SLOTTED HOLES IN LEG ATTACHED TO WEB STIFFENER
BEAM PER PLAN
LEVEL 1 CFS WALL PER SUPPLIER, DESIGN TO ALLOW FOR 1" VERTICAL DEFLECTION
CANOPY BRACKETS AND ATTACHMENT TO STRUCTURE BY MANUFACTURER
T.O. STEEL
113'-4"
ATTACH. POINT
112'-11 1/2" VERIFY W/ARCH
HSS BEAM PER PLAN
CANOPY BY MANUFACTURER
1/4
2-12
T/BEAM
111'-6 1/2
ATTACH. POINT
111'-3" VERIFY W/ARCH
HSS BEAM PER PLAN
B/STEEL ANGLE HORIZ LEG
110'-8 1/4"
CONT L7x4x1/2 (LLH) SIZE MAY VARY DEPENDING ON FINAL SELECTION OF FINISHES
B/LINTEL
110'-0 1/4" VERIFY W/ARCH
1/4
2-12
L5x3x3/8 LINTEL, LLV
STOREFRONT

1B
S523
PODIUM SECTION AT CANOPY - DECK PARALLEL
1 1/2" = 1'-0"



2
S523
CANOPY FRAMING TO COLUMN CONNECTIONS
1" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/2024	Addendum #1
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MISSOURI CERTIFICATE OF AUTHORITY
NO. E-2006023253
EXPIRES: DECEMBER 31, 2024

THE VILLAGE AT DISCOVERY - LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
PODIUM FRAMING DETAILS

PROJECT NUMBER: 2023000333

SHEET NUMBER:
3
S523

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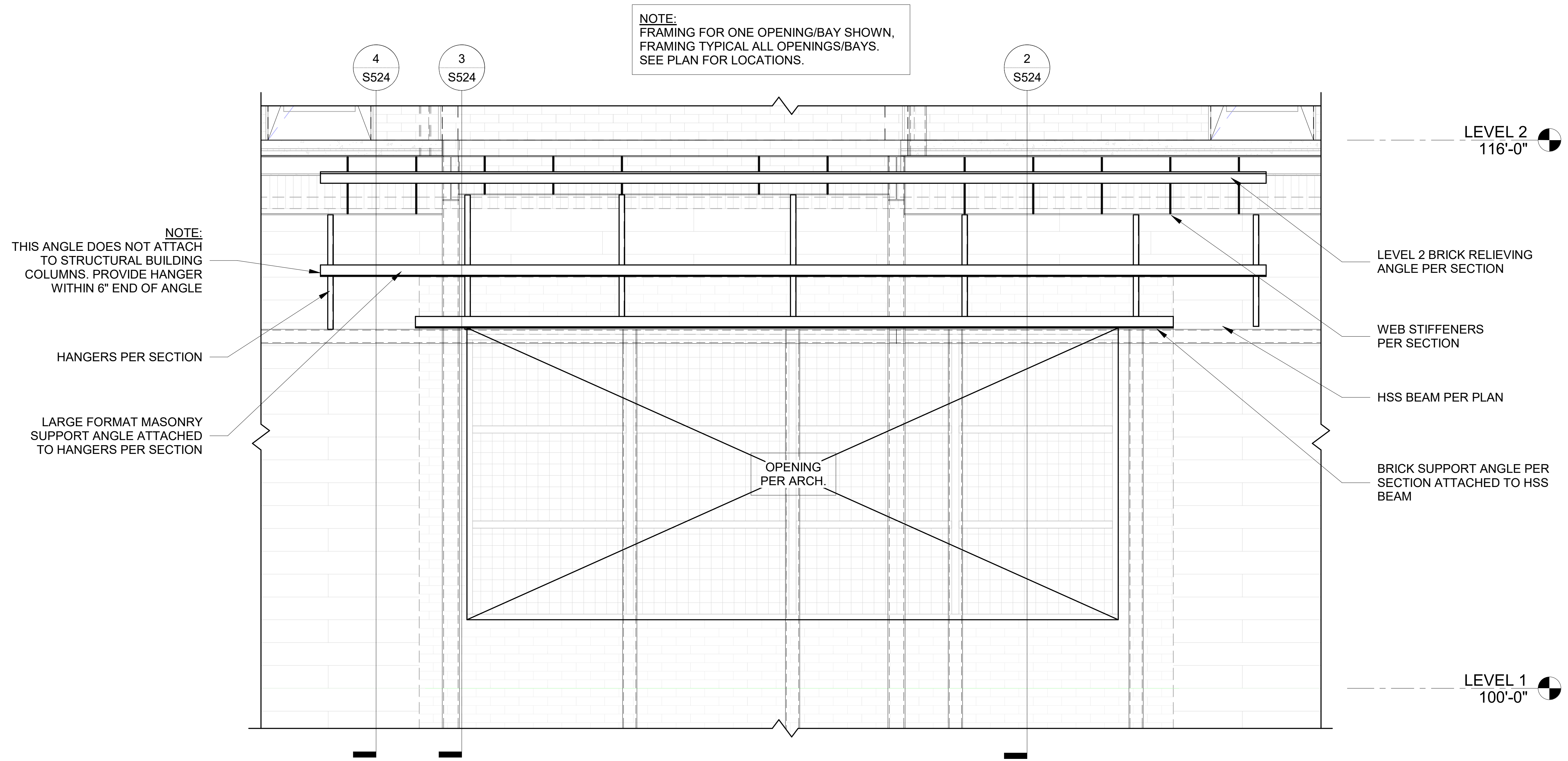
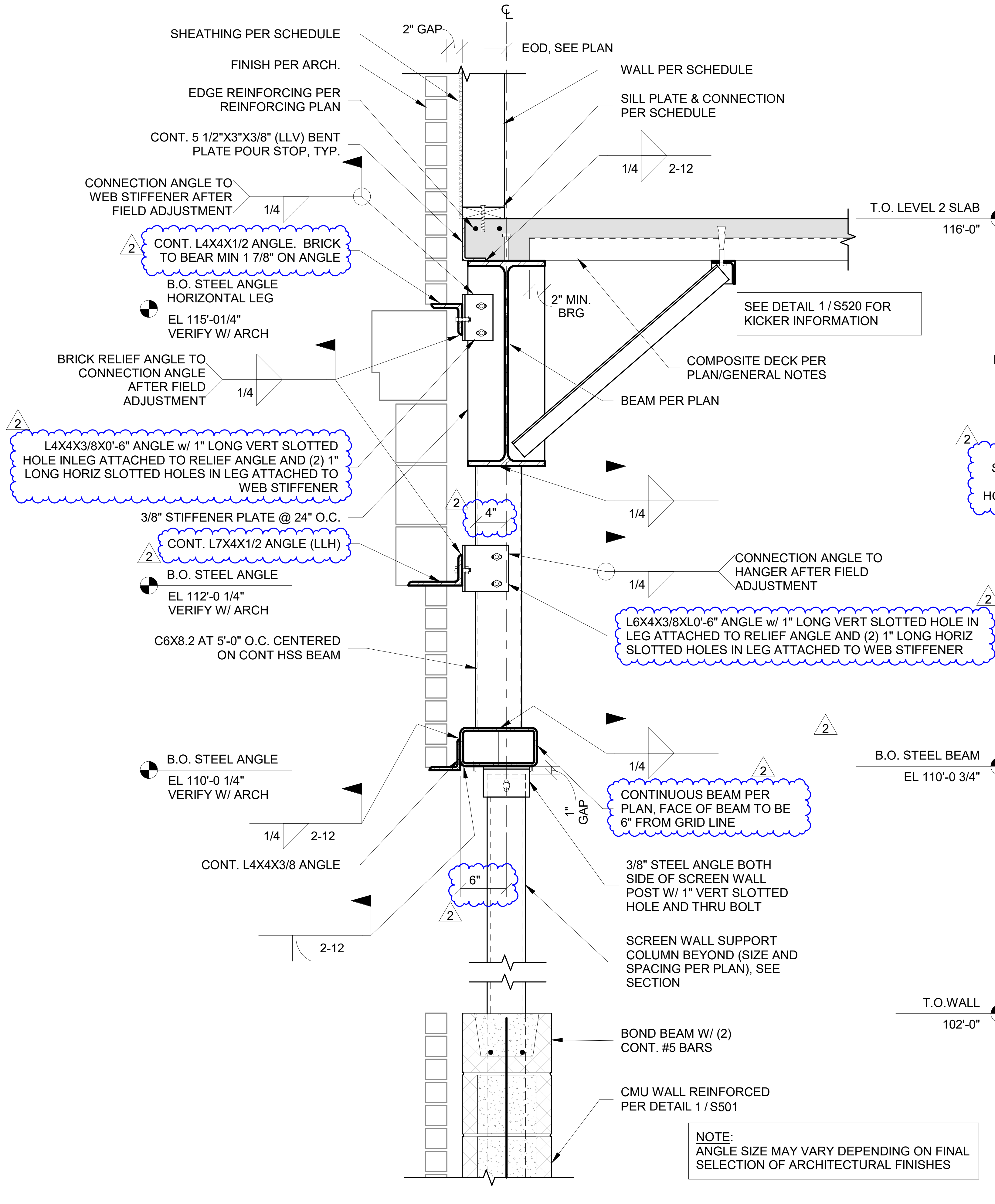
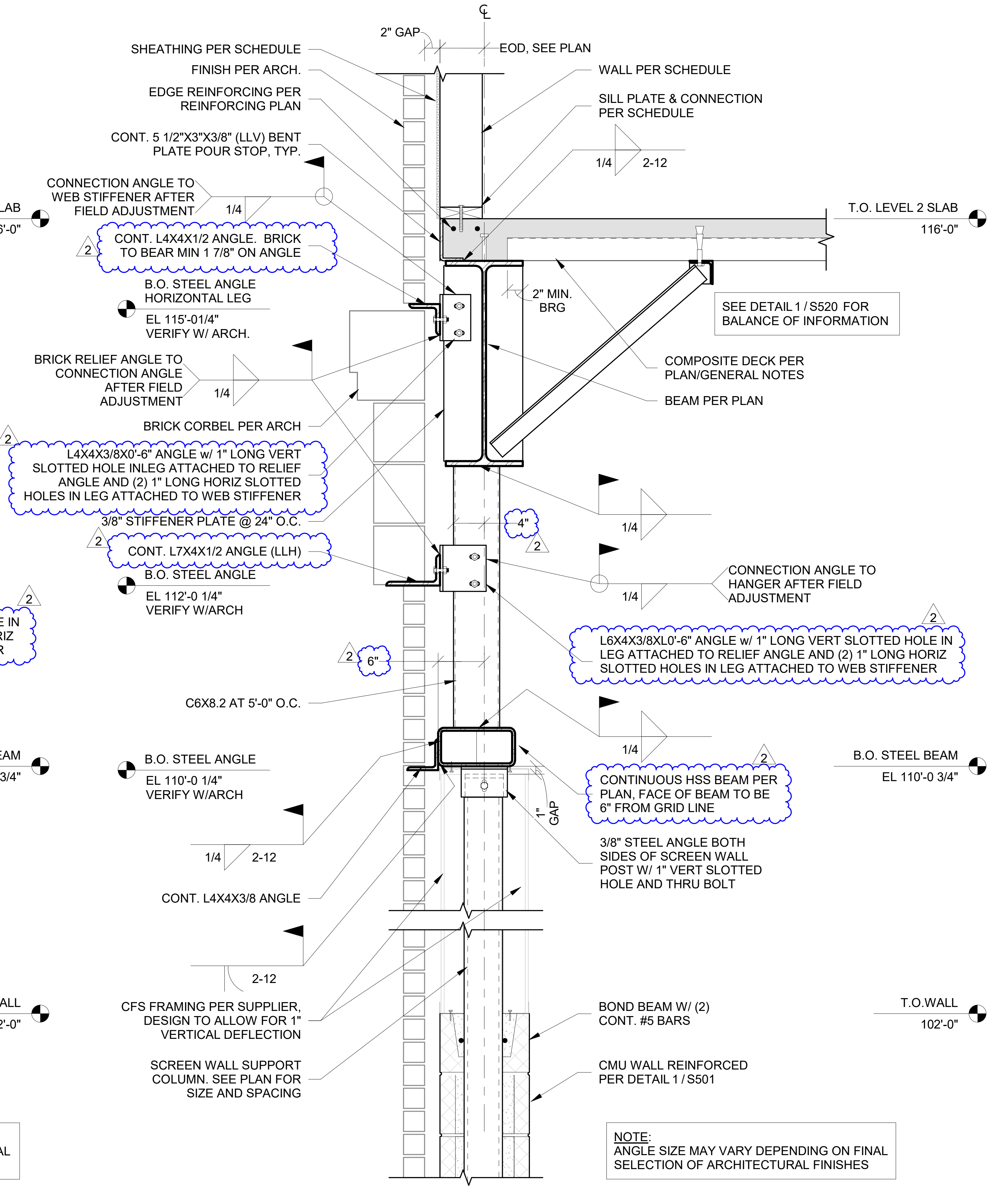

NOTE:
FRAMING FOR ONE OPENING/BAY SHOWN, FRAMING TYPICAL ALL OPENINGS/BAYS. SEE PLAN FOR LOCATIONS.
4 S524
3 S524
2 S524
LEVEL 2 116'-0"
LEVEL 1 100'-0"
NOTE:
THIS ANGLE DOES NOT ATTACH TO STRUCTURAL BUILDING COLUMNS. PROVIDE HANGER WITHIN 6" END OF ANGLE
HANGERS PER SECTION
LARGE FORMAT MASONRY SUPPORT ANGLE ATTACHED TO HANGERS PER SECTION
OPENING PER ARCH.
LEVEL 2 BRICK RELIEVING ANGLE PER SECTION
WEB STIFFENERS PER SECTION
HSS BEAM PER PLAN
BRICK SUPPORT ANGLE PER SECTION ATTACHED TO HSS BEAM

2 1 S524 TYPICAL FRAMING ELEVATION AT GARAGE SCREEN WALL OPENING
3/8" = 1'-0"


SHEATHING PER SCHEDULE
FINISH PER ARCH.
EDGE REINFORCING PER REINFORCING PLAN
CONT. 5 1/2"X3"X3/8" (LLV) BENT PLATE POUR STOP, TYP.
CONNECTION ANGLE TO WEB STIFFENER AFTER FIELD ADJUSTMENT
1/4
2 CONT. L4X4X1/2 ANGLE. BRICK TO BEAR MIN 1 7/8" ON ANGLE
B.O. STEEL ANGLE HORIZONTAL LEG
EL 115'-01/4" VERIFY W/ ARCH
BRICK RELIEF ANGLE TO CONNECTION ANGLE AFTER FIELD ADJUSTMENT
1/4
2 L4X4X3/8X0'-6" ANGLE w/ 1" LONG VERT SLOTTED HOLE INLEG ATTACHED TO RELIEF ANGLE AND (2) 1" LONG HORIZ SLOTTED HOLES IN LEG ATTACHED TO WEB STIFFENER
3/8" STIFFENER PLATE @ 24" O.C.
2 CONT. L7X4X1/2 ANGLE (LLH)
B.O. STEEL ANGLE
EL 112'-0 1/4" VERIFY W/ ARCH
C6X8.2 AT 5'-0" O.C. CENTERED ON CONT HSS BEAM
B.O. STEEL ANGLE
EL 110'-0 1/4" VERIFY W/ ARCH
1/4 2-12
CONT. L4X4X3/8 ANGLE
2 6"
2-12
2" GAP
℄
EOD, SEE PLAN
WALL PER SCHEDULE
SILL PLATE & CONNECTION PER SCHEDULE
1/4 2-12
T.O. LEVEL 2 SLAB 116'-0"
2" MIN. BRG
SEE DETAIL 1 / S520 FOR KICKER INFORMATION
COMPOSITE DECK PER PLAN/GENERAL NOTES
BEAM PER PLAN
2 4"
1/4
CONNECTION ANGLE TO HANGER AFTER FIELD ADJUSTMENT
1/4
2 L6X4X3/8XL0'-6" ANGLE w/ 1" LONG VERT SLOTTED HOLE IN LEG ATTACHED TO RELIEF ANGLE AND (2) 1" LONG HORIZ SLOTTED HOLES IN LEG ATTACHED TO WEB STIFFENER
2
1/4
B.O. STEEL BEAM EL 110'-0 3/4"
2 CONTINUOUS BEAM PER PLAN, FACE OF BEAM TO BE 6" FROM GRID LINE
1" GAP
3/8" STEEL ANGLE BOTH SIDE OF SCREEN WALL POST W/ 1" VERT SLOTTED HOLE AND THRU BOLT
SCREEN WALL SUPPORT COLUMN BEYOND (SIZE AND SPACING PER PLAN), SEE SECTION
T.O.WALL 102'-0"
BOND BEAM W/ (2) CONT. #5 BARS
CMU WALL REINFORCED PER DETAIL 1 / S501

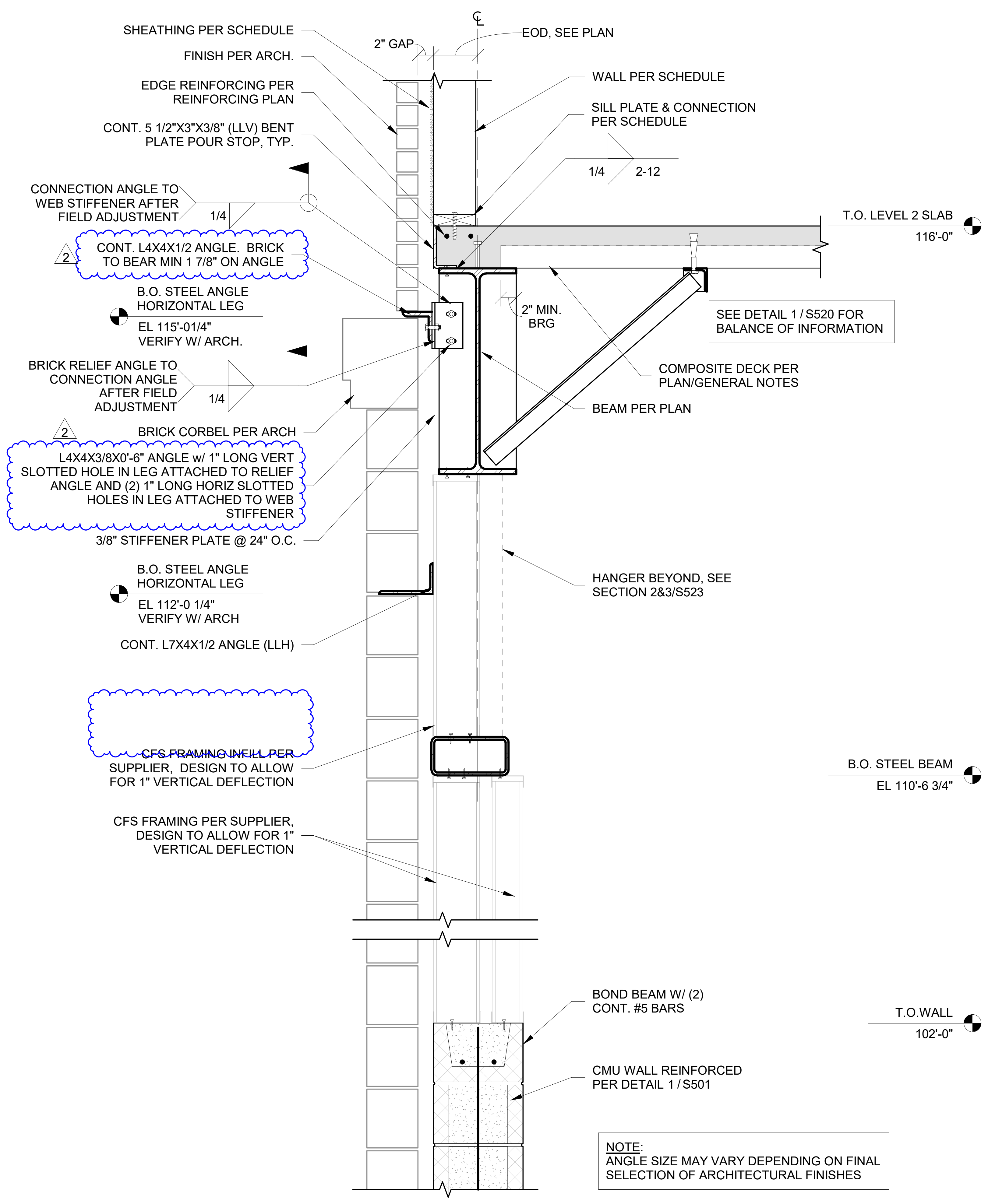
NOTE:
ANGLE SIZE MAY VARY DEPENDING ON FINAL SELECTION OF ARCHITECTURAL FINISHES

2 S524 SECTION AT TYPICAL GARAGE OPENING FOR SCREEN WALL
1" = 1'-0"


SHEATHING PER SCHEDULE
FINISH PER ARCH.
EDGE REINFORCING PER REINFORCING PLAN
CONT. 5 1/2"X3"X3/8" (LLV) BENT PLATE POUR STOP, TYP.
CONNECTION ANGLE TO WEB STIFFENER AFTER FIELD ADJUSTMENT
1/4
2 CONT. L4X4X1/2 ANGLE. BRICK TO BEAR MIN 1 7/8" ON ANGLE
B.O. STEEL ANGLE HORIZONTAL LEG
EL 115'-01/4" VERIFY W/ ARCH.
BRICK RELIEF ANGLE TO CONNECTION ANGLE AFTER FIELD ADJUSTMENT
1/4
BRICK CORBEL PER ARCH
2 L4X4X3/8X0'-6" ANGLE w/ 1" LONG VERT SLOTTED HOLE INLEG ATTACHED TO RELIEF ANGLE AND (2) 1" LONG HORIZ SLOTTED HOLES IN LEG ATTACHED TO WEB STIFFENER
3/8" STIFFENER PLATE @ 24" O.C.
2 CONT. L7X4X1/2 ANGLE (LLH)
B.O. STEEL ANGLE
EL 112'-0 1/4" VERIFY W/ARCH
2 6"
C6X8.2 AT 5'-0" O.C.
B.O. STEEL ANGLE
EL 110'-0 1/4" VERIFY W/ARCH
1/4 2-12
CONT. L4X4X3/8 ANGLE
2-12
CFS FRAMING PER SUPPLIER, DESIGN TO ALLOW FOR 1" VERTICAL DEFLECTION
SCREEN WALL SUPPORT COLUMN. SEE PLAN FOR SIZE AND SPACING
2" GAP
℄
EOD, SEE PLAN
WALL PER SCHEDULE
SILL PLATE & CONNECTION PER SCHEDULE
1/4 2-12
T.O. LEVEL 2 SLAB 116'-0"
2" MIN. BRG
SEE DETAIL 1 / S520 FOR BALANCE OF INFORMATION
COMPOSITE DECK PER PLAN/GENERAL NOTES
BEAM PER PLAN
4" 2
1/4
CONNECTION ANGLE TO HANGER AFTER FIELD ADJUSTMENT
1/4
2 L6X4X3/8XL0'-6" ANGLE w/ 1" LONG VERT SLOTTED HOLE IN LEG ATTACHED TO RELIEF ANGLE AND (2) 1" LONG HORIZ SLOTTED HOLES IN LEG ATTACHED TO WEB STIFFENER
1/4
B.O. STEEL BEAM EL 110'-0 3/4"
2 CONTINUOUS HSS BEAM PER PLAN, FACE OF BEAM TO BE 6" FROM GRID LINE
1" GAP
3/8" STEEL ANGLE BOTH SIDES OF SCREEN WALL POST W/ 1" VERT SLOTTED HOLE AND THRU BOLT
T.O.WALL 102'-0"
BOND BEAM W/ (2) CONT. #5 BARS
CMU WALL REINFORCED PER DETAIL 1 / S501

NOTE:
ANGLE SIZE MAY VARY DEPENDING ON FINAL SELECTION OF ARCHITECTURAL FINISHES

3 S524 SECTION AT GARAGE SCREEN WALL END POST WITHIN FULL HEIGHT WALL
1" = 1'-0"


SHEATHING PER SCHEDULE
FINISH PER ARCH.
EDGE REINFORCING PER REINFORCING PLAN
CONT. 5 1/2"X3"X3/8" (LLV) BENT PLATE POUR STOP, TYP.
CONNECTION ANGLE TO WEB STIFFENER AFTER FIELD ADJUSTMENT
1/4
2 CONT. L4X4X1/2 ANGLE. BRICK TO BEAR MIN 1 7/8" ON ANGLE
B.O. STEEL ANGLE HORIZONTAL LEG
EL 115'-01/4" VERIFY W/ ARCH.
BRICK RELIEF ANGLE TO CONNECTION ANGLE AFTER FIELD ADJUSTMENT
1/4
2 BRICK CORBEL PER ARCH
L4X4X3/8X0'-6" ANGLE w/ 1" LONG VERT SLOTTED HOLE IN LEG ATTACHED TO RELIEF ANGLE AND (2) 1" LONG HORIZ SLOTTED HOLES IN LEG ATTACHED TO WEB STIFFENER
3/8" STIFFENER PLATE @ 24" O.C.
B.O. STEEL ANGLE HORIZONTAL LEG
EL 112'-0 1/4" VERIFY W/ ARCH
CONT. L7X4X1/2 ANGLE (LLH)
~~CFS FRAMING INFILL PER~~ SUPPLIER, DESIGN TO ALLOW FOR 1" VERTICAL DEFLECTION
CFS FRAMING PER SUPPLIER, DESIGN TO ALLOW FOR 1" VERTICAL DEFLECTION
2" GAP
℄
EOD, SEE PLAN
WALL PER SCHEDULE
SILL PLATE & CONNECTION PER SCHEDULE
1/4 2-12
T.O. LEVEL 2 SLAB 116'-0"
2" MIN. BRG
SEE DETAIL 1 / S520 FOR BALANCE OF INFORMATION
COMPOSITE DECK PER PLAN/GENERAL NOTES
BEAM PER PLAN
HANGER BEYOND, SEE SECTION 2&3/S523
B.O. STEEL BEAM EL 110'-6 3/4"
T.O.WALL 102'-0"
BOND BEAM W/ (2) CONT. #5 BARS
CMU WALL REINFORCED PER DETAIL 1 / S501

NOTE:
ANGLE SIZE MAY VARY DEPENDING ON FINAL SELECTION OF ARCHITECTURAL FINISHES

4 S524 SECTION AT GARAGE BEYOND SCREEN WALL
1" = 1'-0"

12/24/2024 5:56:30 PM
Autodesk Docs://2023000333 - Discovery Park Lee's Summit/2023000333 - Rosemann - Lot 4_R23.rvt

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/2024	Addendum #1
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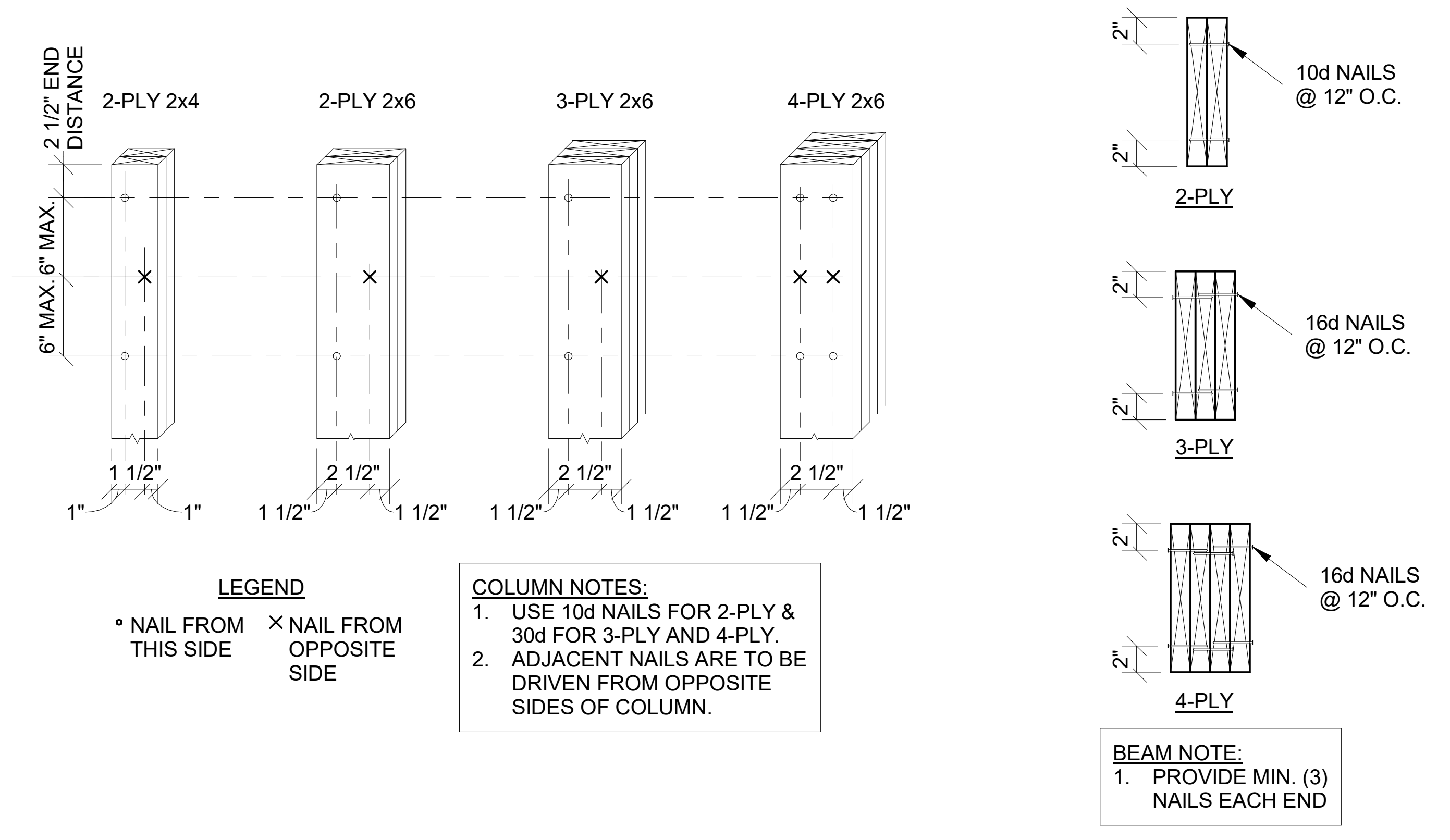
MISSOURI CERTIFICATE OF AUTHORITY
NO. E-2006023253
EXPIRES: DECEMBER 31, 2024

THE VILLAGE AT DISCOVERY - LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
FRAMING AT TYPICAL GARAGE WALL OPENING

PROJECT NUMBER: 2023000333

SHEET NUMBER:
S524
RENUMBERED SHEET (FORMERLY S508) 1



LEGEND

- ° NAIL FROM THIS SIDE
- × NAIL FROM OPPOSITE SIDE

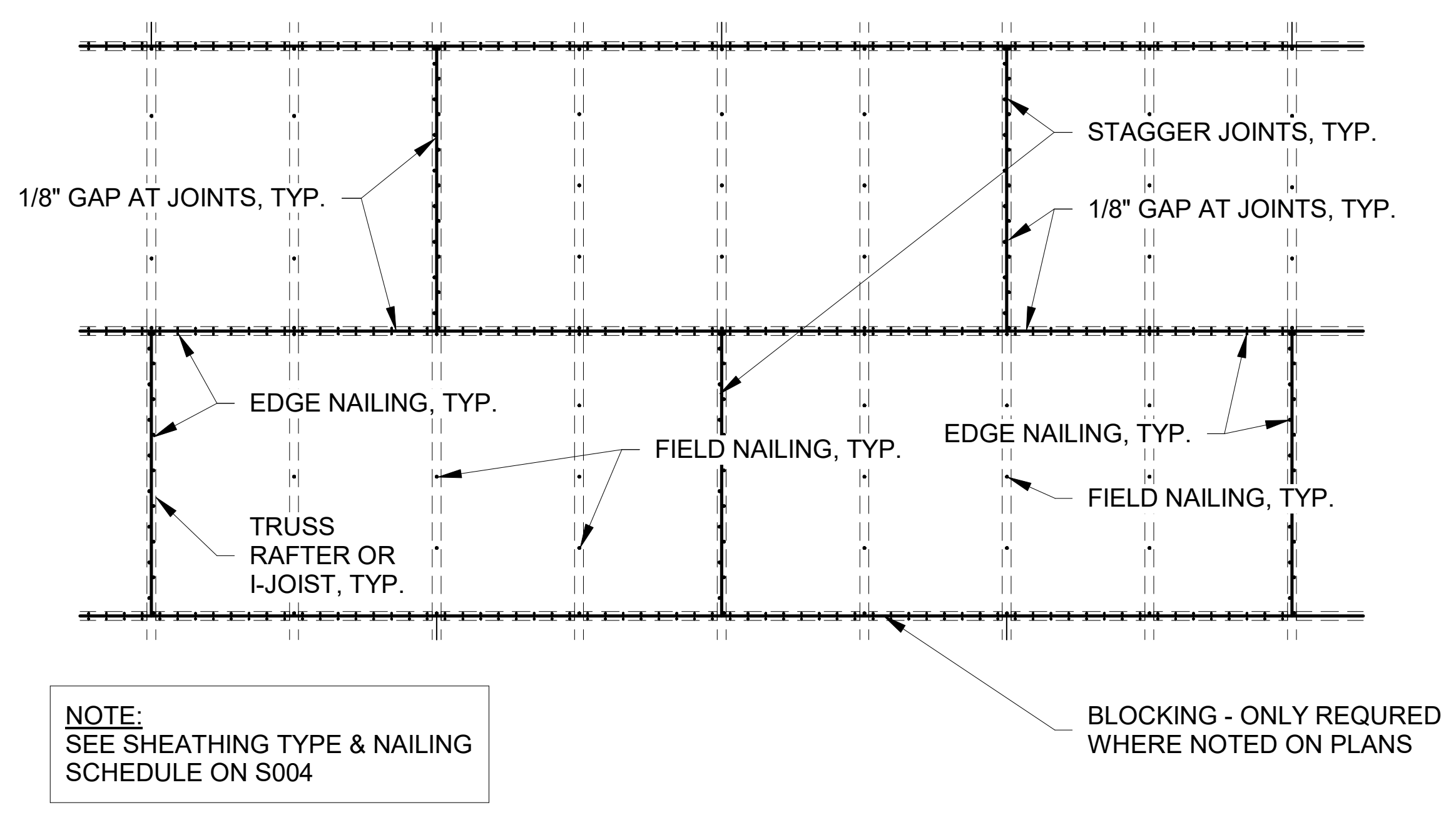
COLUMN NOTES:
1. USE 10d NAILS FOR 2-PLY & 30d FOR 3-PLY AND 4-PLY.
2. ADJACENT NAILS ARE TO BE DRIVEN FROM OPPOSITE SIDES OF COLUMN.

BEAM NOTE:
1. PROVIDE MIN. (3) NAILS EACH END

BUILT UP COLUMN

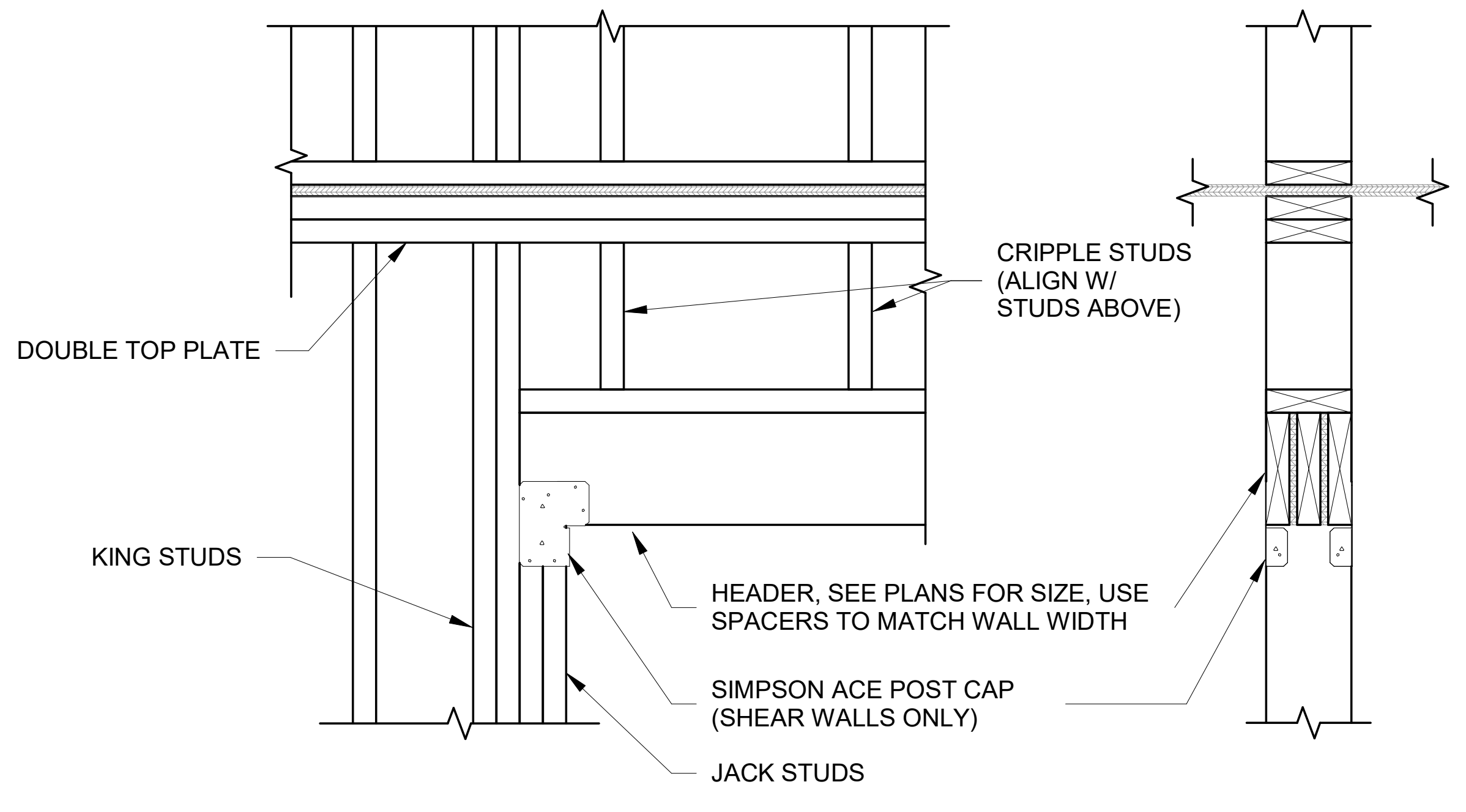
BUILT UP BEAM

1 TYPICAL BUILT-UP MEMBERS
S530 1" = 1'-0"



NOTE:
SEE SHEATHING TYPE & NAILING SCHEDULE ON S004

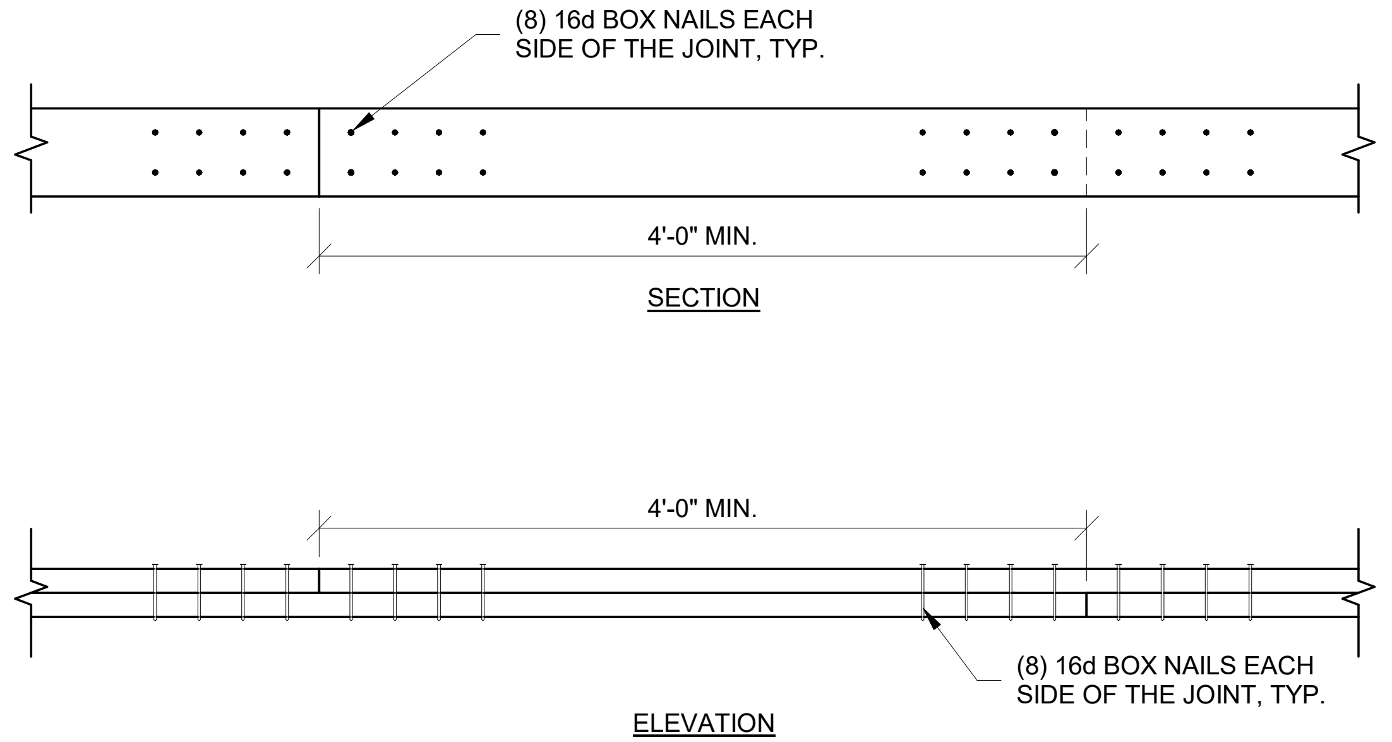
2 DIAPHRAGM NAILING
S530 3/8" = 1'-0"


DOUBLE TOP PLATE
KING STUDS
CRIPPLE STUDS (ALIGN W/ STUDS ABOVE)
HEADER, SEE PLANS FOR SIZE, USE SPACERS TO MATCH WALL WIDTH
SIMPSON ACE POST CAP (SHEAR WALLS ONLY)
JACK STUDS

ELEVATION

SECTION

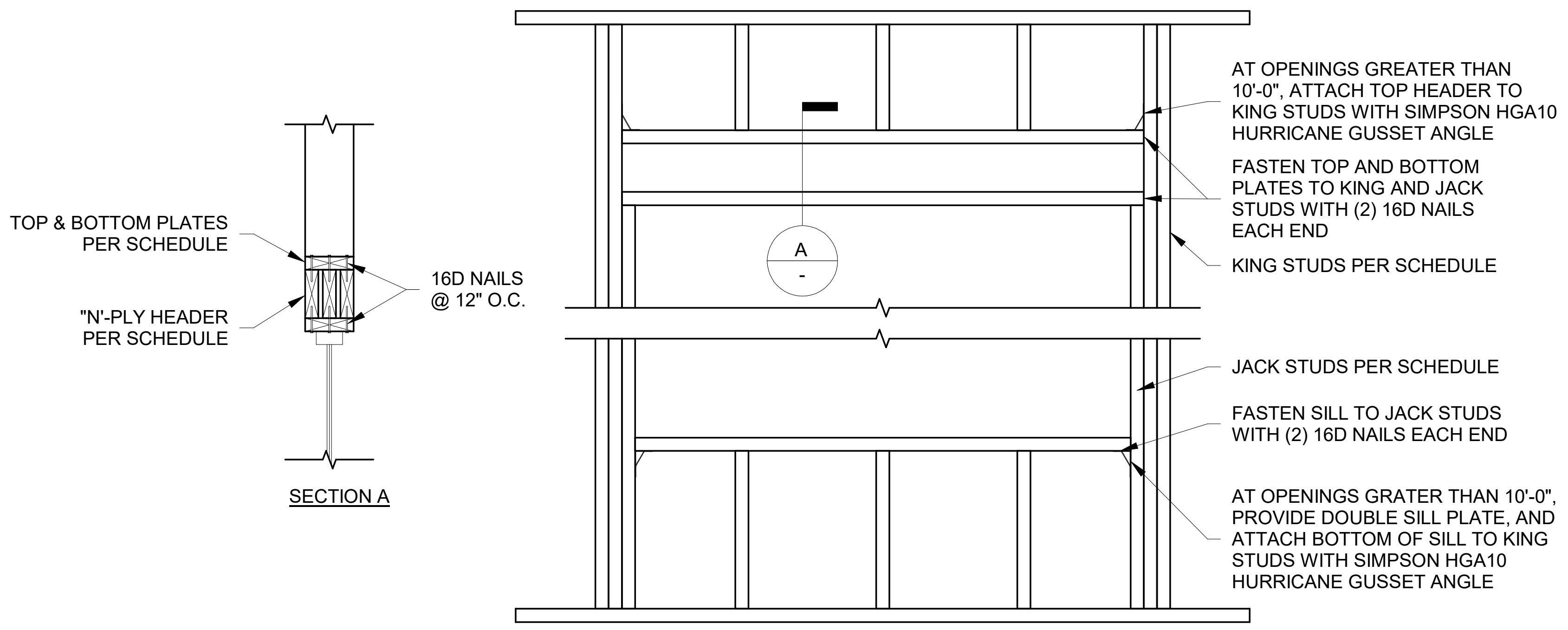
3 TYPICAL HEADER CONNECTION
S530 1" = 1'-0"


(8) 16d BOX NAILS EACH SIDE OF THE JOINT, TYP.
4'-0" MIN.
4'-0" MIN.
(8) 16d BOX NAILS EACH SIDE OF THE JOINT, TYP.

SECTION

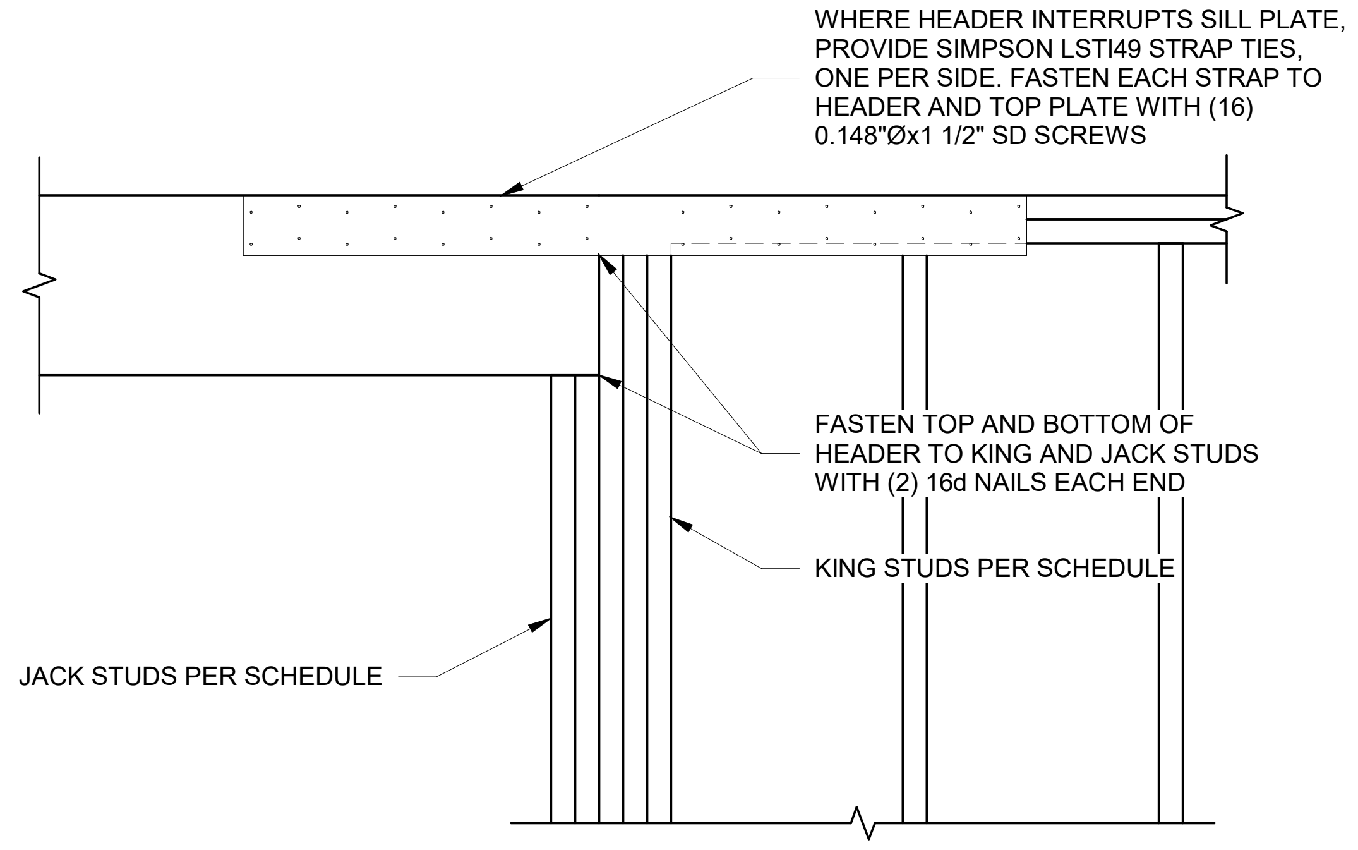
ELEVATION

4 TOP PLATE SPLICE
S530 1" = 1'-0"


TOP & BOTTOM PLATES PER SCHEDULE
"N"-PLY HEADER PER SCHEDULE
16D NAILS @ 12" O.C.
A
-
AT OPENINGS GREATER THAN 10'-0", ATTACH TOP HEADER TO KING STUDS WITH SIMPSON HGA10 HURRICANE GUSSET ANGLE
FASTEN TOP AND BOTTOM PLATES TO KING AND JACK STUDS WITH (2) 16D NAILS EACH END
KING STUDS PER SCHEDULE
JACK STUDS PER SCHEDULE
FASTEN SILL TO JACK STUDS WITH (2) 16D NAILS EACH END
AT OPENINGS GRATER THAN 10'-0", PROVIDE DOUBLE SILL PLATE, AND ATTACH BOTTOM OF SILL TO KING STUDS WITH SIMPSON HGA10 HURRICANE GUSSET ANGLE

SECTION A

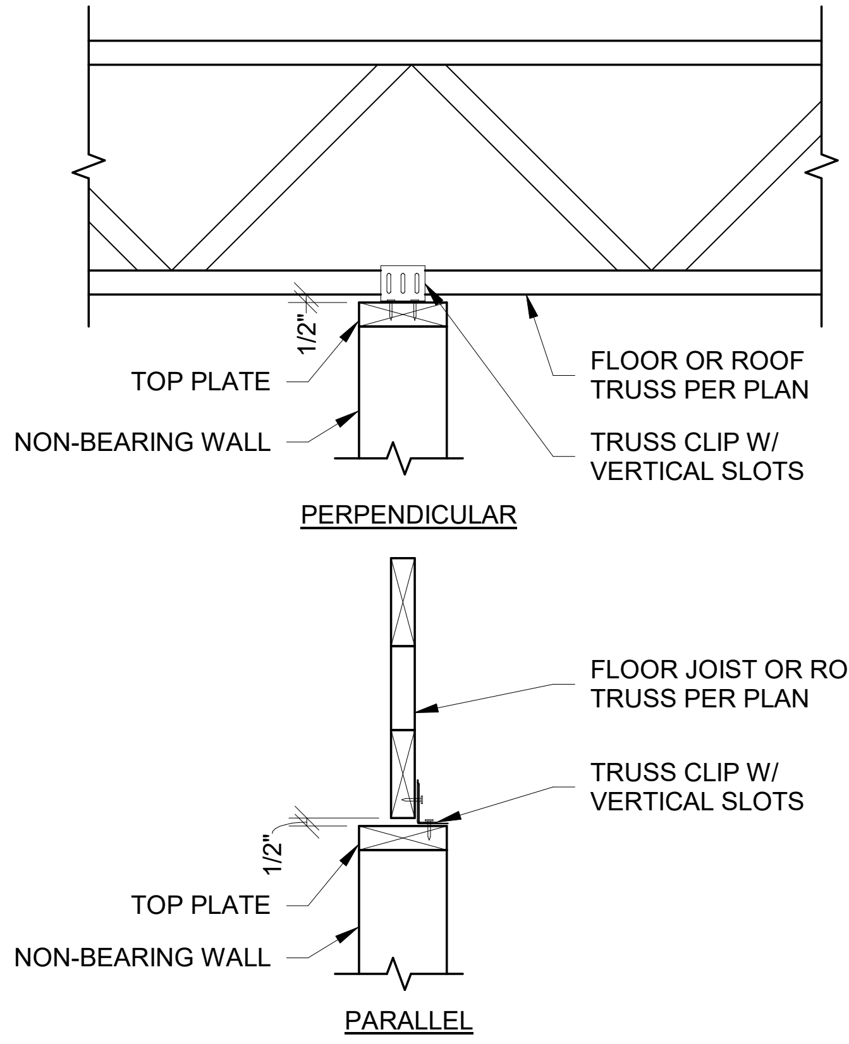
5 FRAMING AT OPENING
S530 3/4" = 1'-0"


WHERE HEADER INTERRUPTS SILL PLATE, PROVIDE SIMPSON LSTI49 STRAP TIES, ONE PER SIDE. FASTEN EACH STRAP TO HEADER AND TOP PLATE WITH (16) 0.148"Øx1 1/2" SD SCREWS
FASTEN TOP AND BOTTOM OF HEADER TO KING AND JACK STUDS WITH (2) 16d NAILS EACH END
KING STUDS PER SCHEDULE
JACK STUDS PER SCHEDULE

6 FRAMING AT OPENING - RAISED HEADER
S530 1" = 1'-0"

1
- TYPICAL WOOD FRAMING DETAILS CONSOLIDATED AND MOVED TO THIS SHEET (S530)

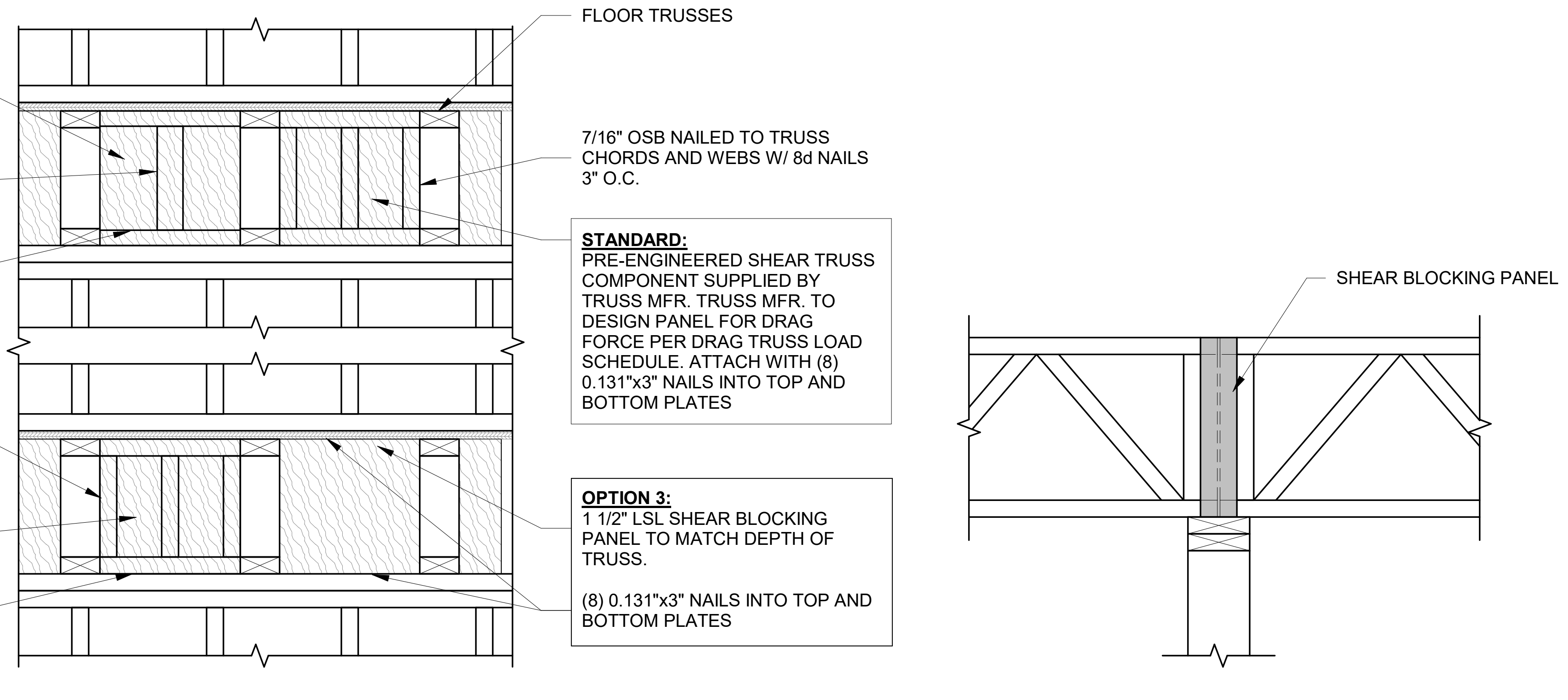
1
MOVED FROM FORMER SHEET S511


1/2"
TOP PLATE
NON-BEARING WALL
FLOOR OR ROOF TRUSS PER PLAN
TRUSS CLIP W/ VERTICAL SLOTS
FLOOR JOIST OR ROOF TRUSS PER PLAN
TRUSS CLIP W/ VERTICAL SLOTS
1/2"
TOP PLATE
NON-BEARING WALL

PERPENDICULAR

PARALLEL

7 NON-BEARING WALL TO JOIST
S530 1" = 1'-0"


FLOOR TRUSSES
7/16" OSB NAILED TO TRUSS CHORDS AND WEBS W/ 8d NAILS 3" O.C.
SHEAR BLOCKING PANEL

OPTION 1 :
I-JOIST BLOCKING PANELS TO MATCH DEPTH OF TRUSS. TJI 360 OR EQUIVALENT.
PROVIDE WEB STIFFENERS BELLOW WALL STUDS. ATTACH TO JOISTS WITH (3) CLINCHED 8d NAILS EACH SIDE
(8) 0.131"x3" NAILS INTO TOP AND BOTTOM PLATES

OPTION 2 :
FIELD FABRICATED BLOCKING PANELS WITH 2X4 FRAMING AS SHOWN
7/16" OSB NAILED TO WOOD MEMBERS WITH 8d NAILS SPACED AT 3" O.C.
(8) 0.131"X3" NAILS INTO TOP AND BOTTOM PLATES

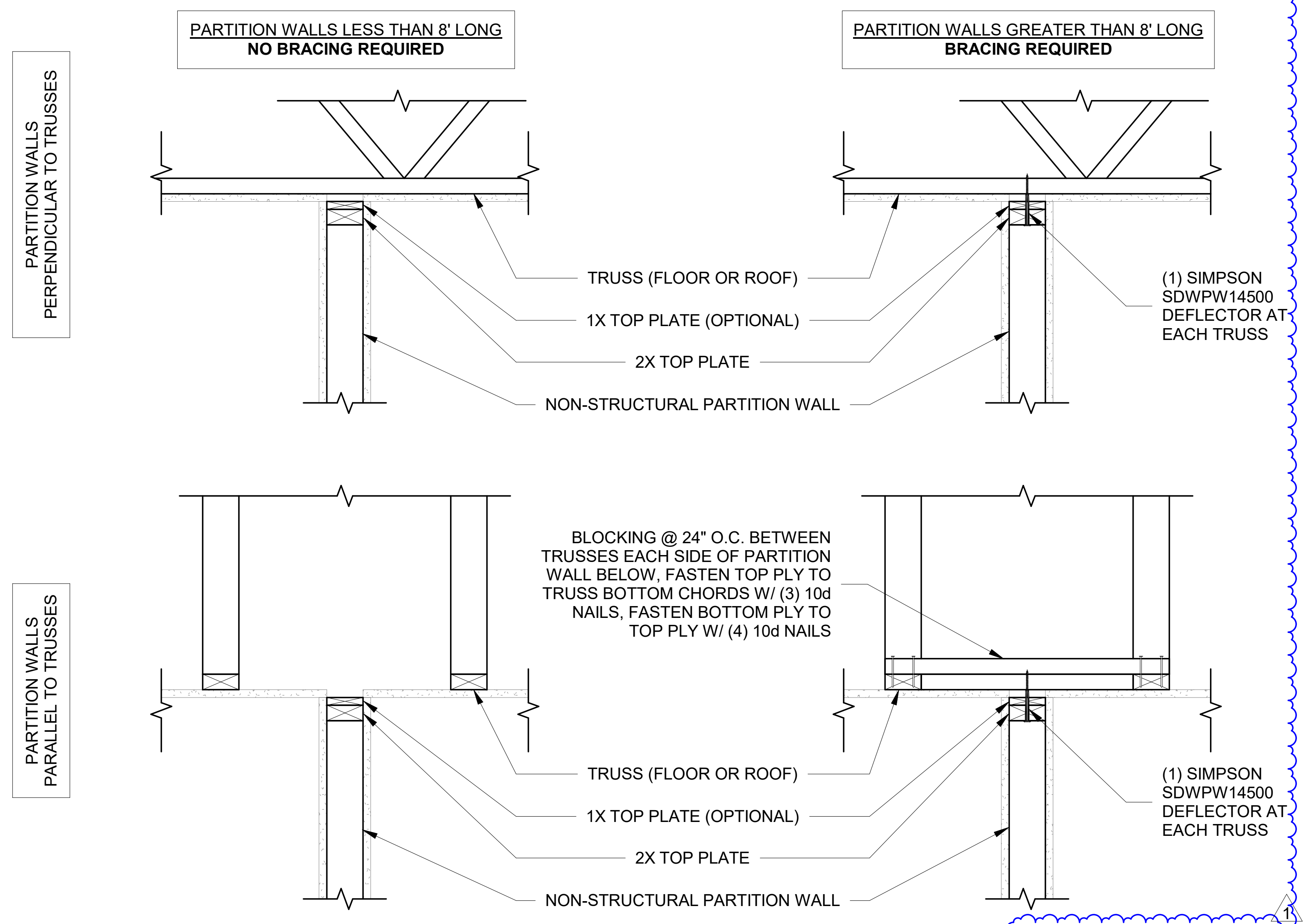
STANDARD:
PRE-ENGINEERED SHEAR TRUSS COMPONENT SUPPLIED BY TRUSS MFR. TRUSS MFR. TO DESIGN PANEL FOR DRAG FORCE PER DRAG TRUSS LOAD SCHEDULE. ATTACH WITH (8) 0.131"x3" NAILS INTO TOP AND BOTTOM PLATES

OPTION 3:
1 1/2" LSL SHEAR BLOCKING PANEL TO MATCH DEPTH OF TRUSS.
(8) 0.131"x3" NAILS INTO TOP AND BOTTOM PLATES

ELEVATION

SECTION

8 SHEAR BLOCKING PANEL OPTIONS
S530 1" = 1'-0"


PARTITION WALLS LESS THAN 8' LONG
NO BRACING REQUIRED
PARTITION WALLS GREATER THAN 8' LONG
BRACING REQUIRED
PARTITION WALLS PERPENDICULAR TO TRUSSES
TRUSS (FLOOR OR ROOF)
1X TOP PLATE (OPTIONAL)
2X TOP PLATE
NON-STRUCTURAL PARTITION WALL
(1) SIMPSON SDWPW14500 DEFLECTOR AT EACH TRUSS
PARTITION WALLS PARALLEL TO TRUSSES
BLOCKING @ 24" O.C. BETWEEN TRUSSES EACH SIDE OF PARTITION WALL BELOW, FASTEN TOP PLY TO TRUSS BOTTOM CHORDS W/ (3) 10d NAILS, FASTEN BOTTOM PLY TO TOP PLY W/ (4) 10d NAILS
TRUSS (FLOOR OR ROOF)
1X TOP PLATE (OPTIONAL)
2X TOP PLATE
NON-STRUCTURAL PARTITION WALL
(1) SIMPSON SDWPW14500 DEFLECTOR AT EACH TRUSS

9 NON-STRUCTURAL PARTITION WALL DEFLECTION GAP & BRACING
S530 1" = 1'-0"

1
- SHEAR WALL DETAILS MOVED TO SHEET S550
- DETAILS ON THIS SHEET FROM FORMER SHEET S500

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PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

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

THE VILLAGE AT DISCOVERY - LOT 4

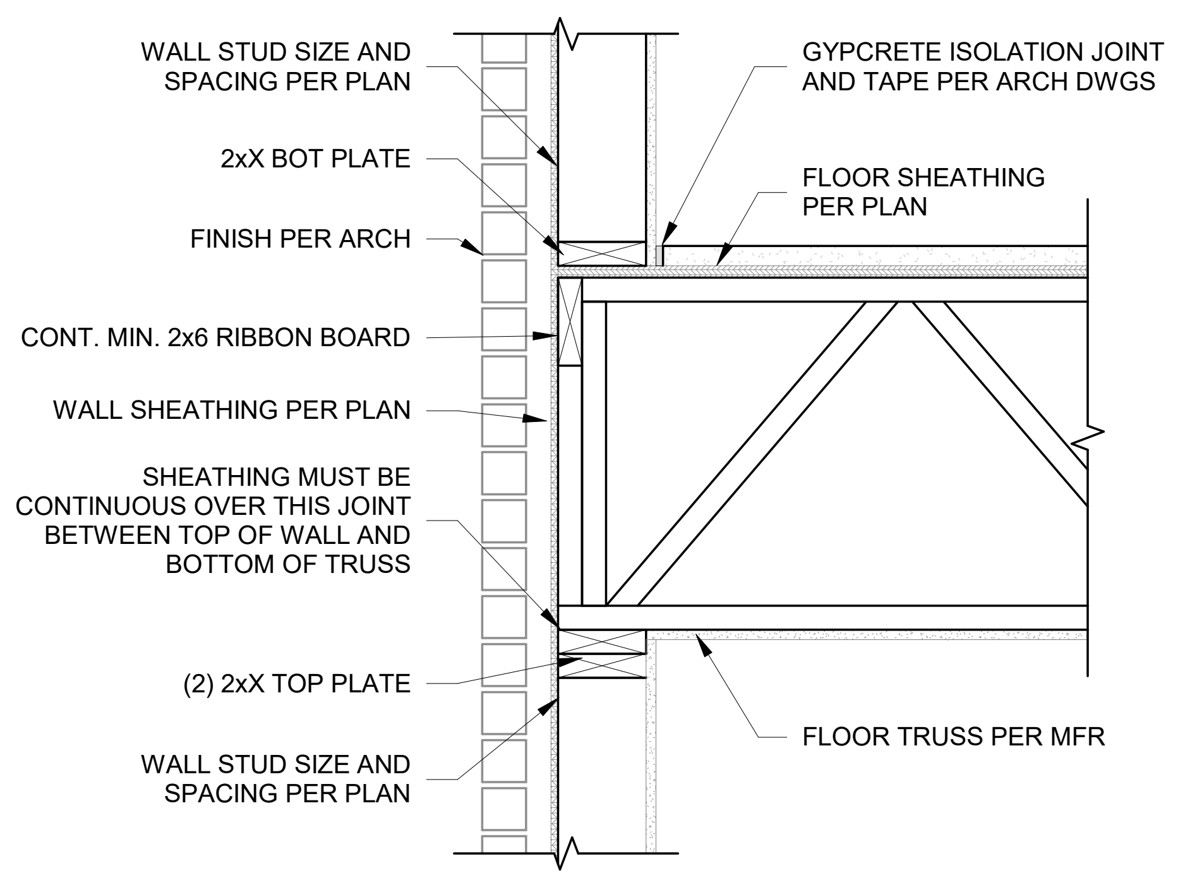
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
TYPICAL WOOD FRAMING DETAILS

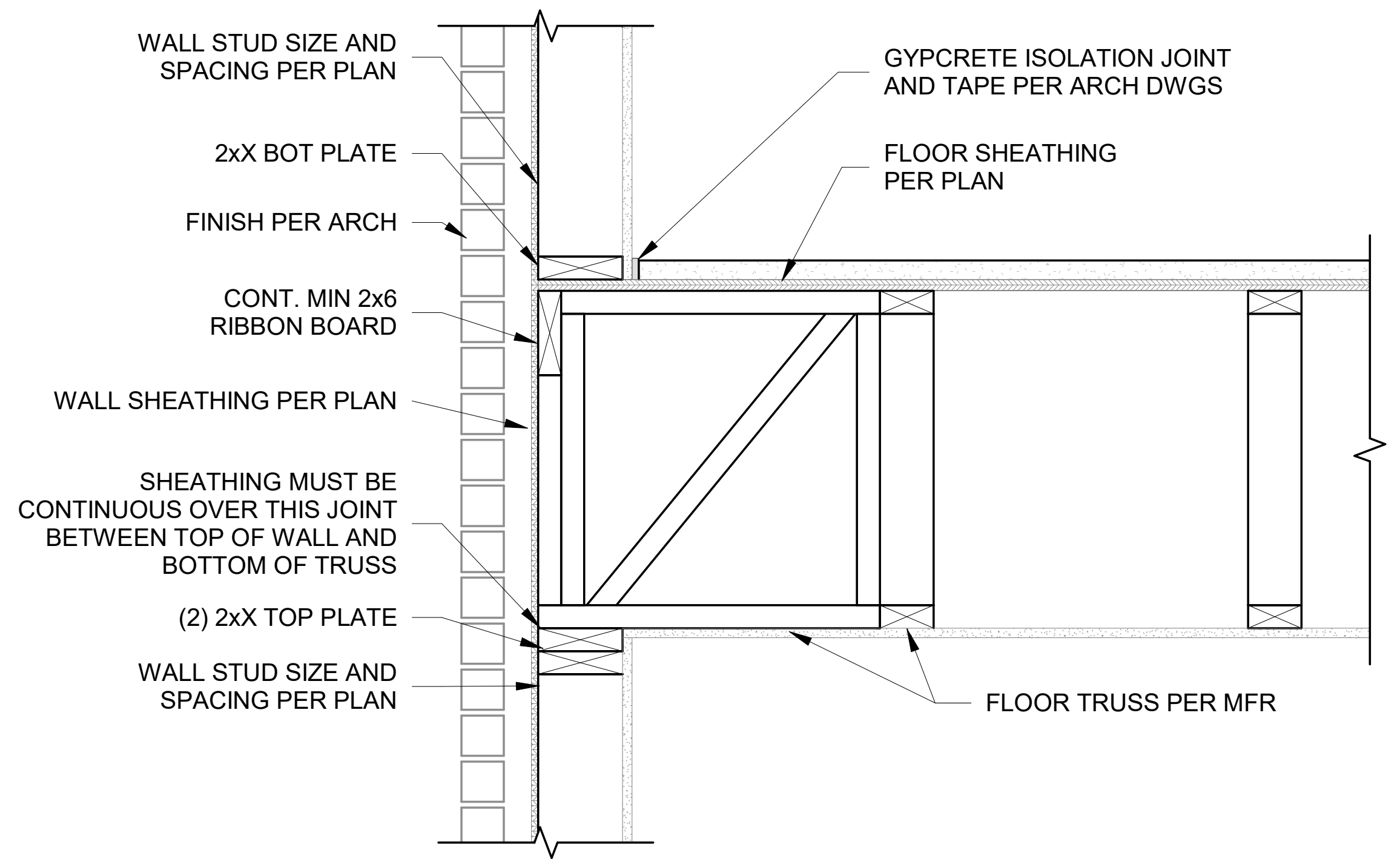
PROJECT NUMBER: 2023000333

SHEET NUMBER:

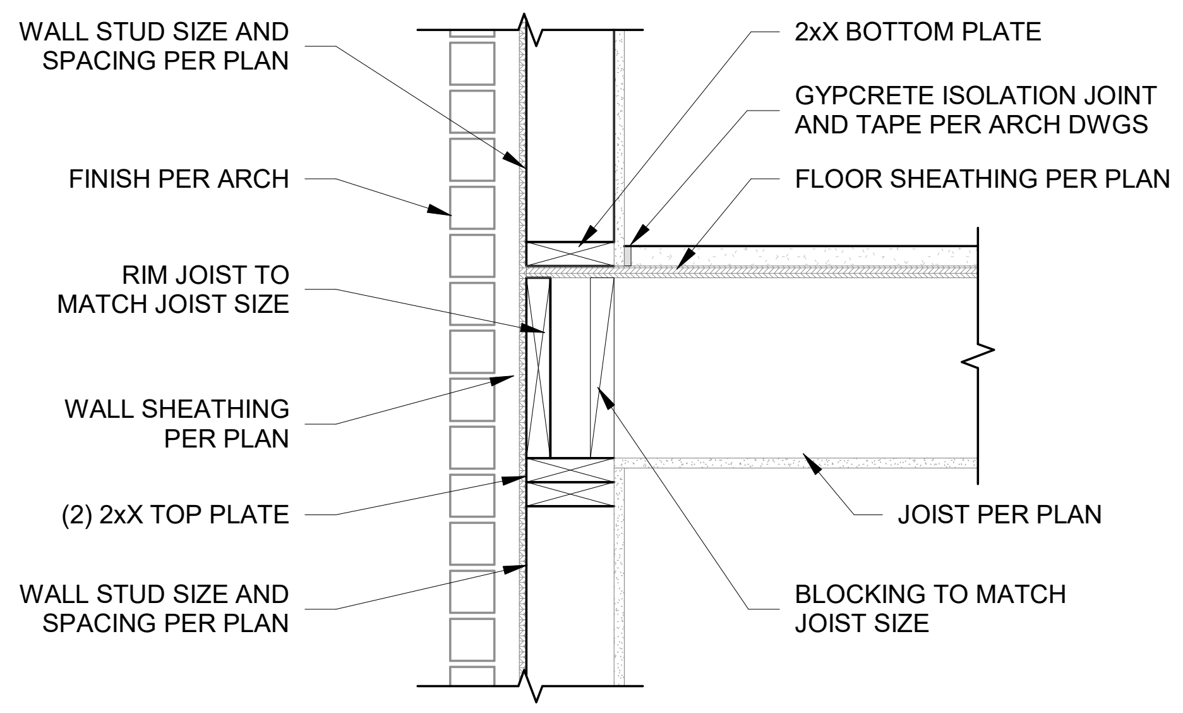
S530


WALL STUD SIZE AND SPACING PER PLAN
2xX BOT PLATE
FINISH PER ARCH
CONT. MIN. 2x6 RIBBON BOARD
WALL SHEATHING PER PLAN
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS
(2) 2xX TOP PLATE
WALL STUD SIZE AND SPACING PER PLAN
GYPCRETE ISOLATION JOINT AND TAPE PER ARCH DWGS
FLOOR SHEATHING PER PLAN
FLOOR TRUSS PER MFR

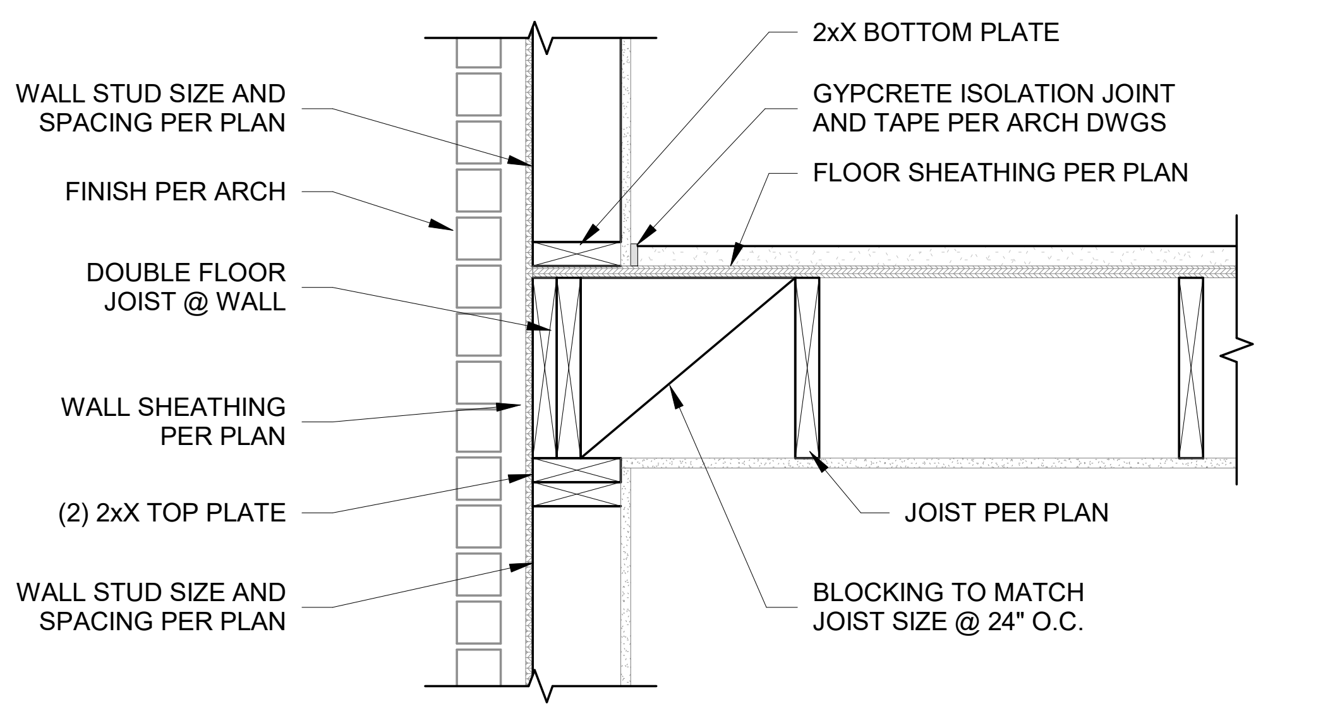
1 S531 FRAMING AT EXTERIOR WALL - OPEN WEB TRUSS BEARING
1" = 1'-0"


WALL STUD SIZE AND SPACING PER PLAN
2xX BOT PLATE
FINISH PER ARCH
CONT. MIN 2x6 RIBBON BOARD
WALL SHEATHING PER PLAN
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS
(2) 2xX TOP PLATE
WALL STUD SIZE AND SPACING PER PLAN
GYPCRETE ISOLATION JOINT AND TAPE PER ARCH DWGS
FLOOR SHEATHING PER PLAN
FLOOR TRUSS PER MFR

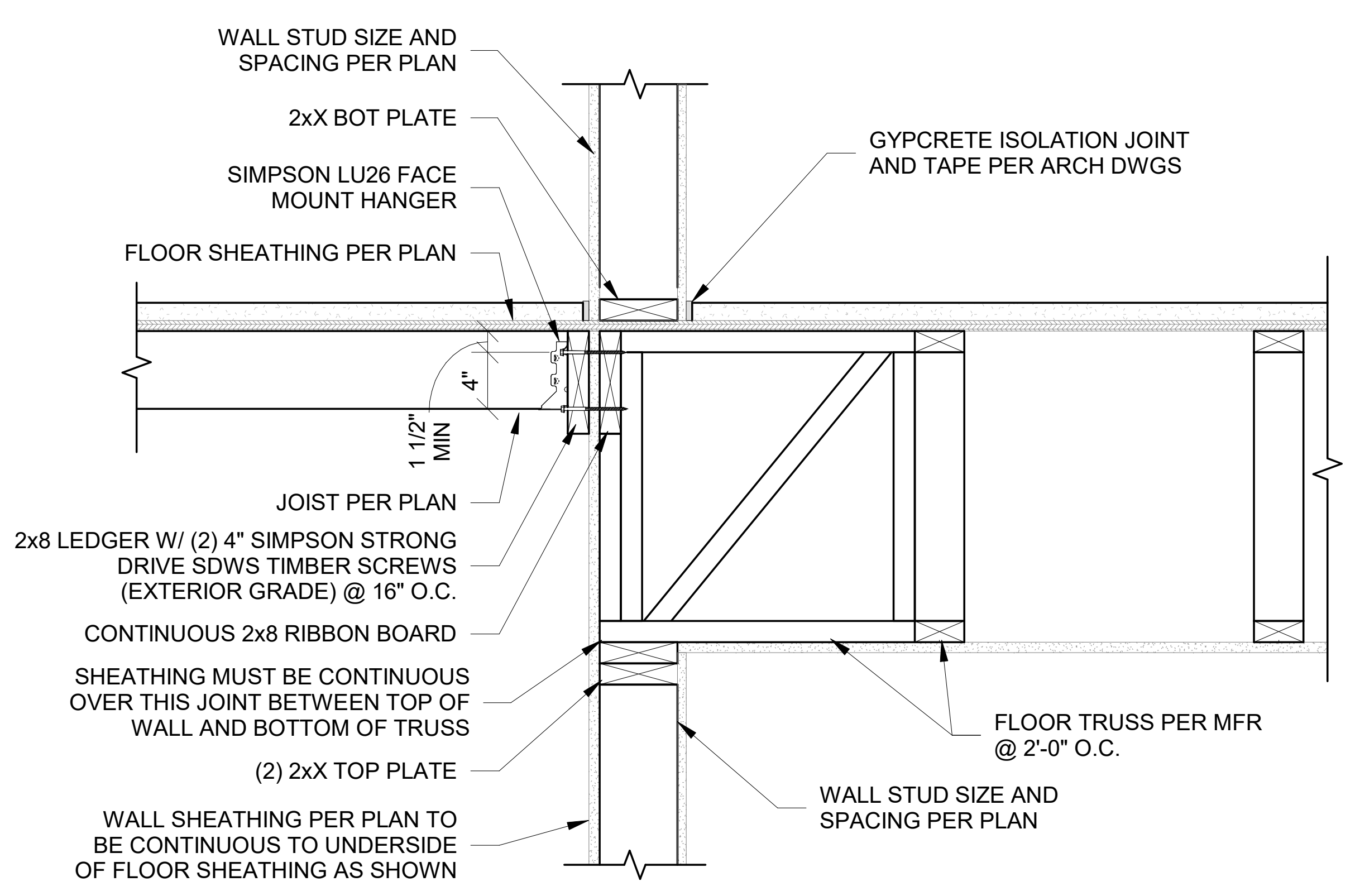
2 S531 FRAMING AT EXTERIOR WALL - OPEN WEB TRUSS PARALLEL
1" = 1'-0"


WALL STUD SIZE AND SPACING PER PLAN
FINISH PER ARCH
RIM JOIST TO MATCH JOIST SIZE
WALL SHEATHING PER PLAN
(2) 2xX TOP PLATE
WALL STUD SIZE AND SPACING PER PLAN
2xX BOTTOM PLATE
GYPCRETE ISOLATION JOINT AND TAPE PER ARCH DWGS
FLOOR SHEATHING PER PLAN
JOIST PER PLAN
BLOCKING TO MATCH JOIST SIZE

3 S531 FRAMING AT EXTERIOR WALL - JOIST BEARING
1" = 1'-0"

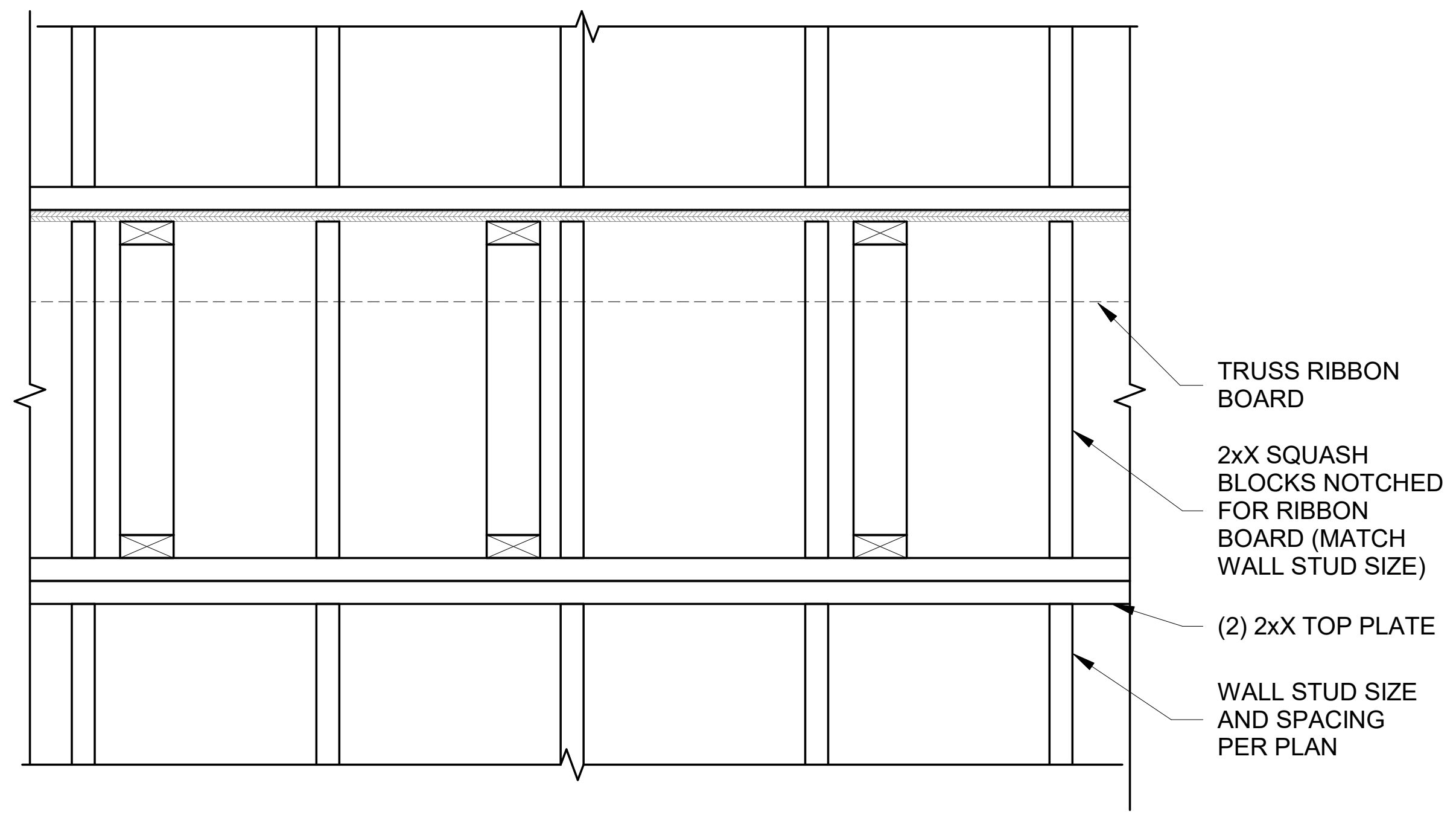

WALL STUD SIZE AND SPACING PER PLAN
FINISH PER ARCH
DOUBLE FLOOR JOIST @ WALL
WALL SHEATHING PER PLAN
(2) 2xX TOP PLATE
WALL STUD SIZE AND SPACING PER PLAN
2xX BOTTOM PLATE
GYPCRETE ISOLATION JOINT AND TAPE PER ARCH DWGS
FLOOR SHEATHING PER PLAN
JOIST PER PLAN
BLOCKING TO MATCH JOIST SIZE @ 24" O.C.

4 S531 FRAMING AT EXTERIOR WALL - JOIST PARALLEL
1" = 1'-0"

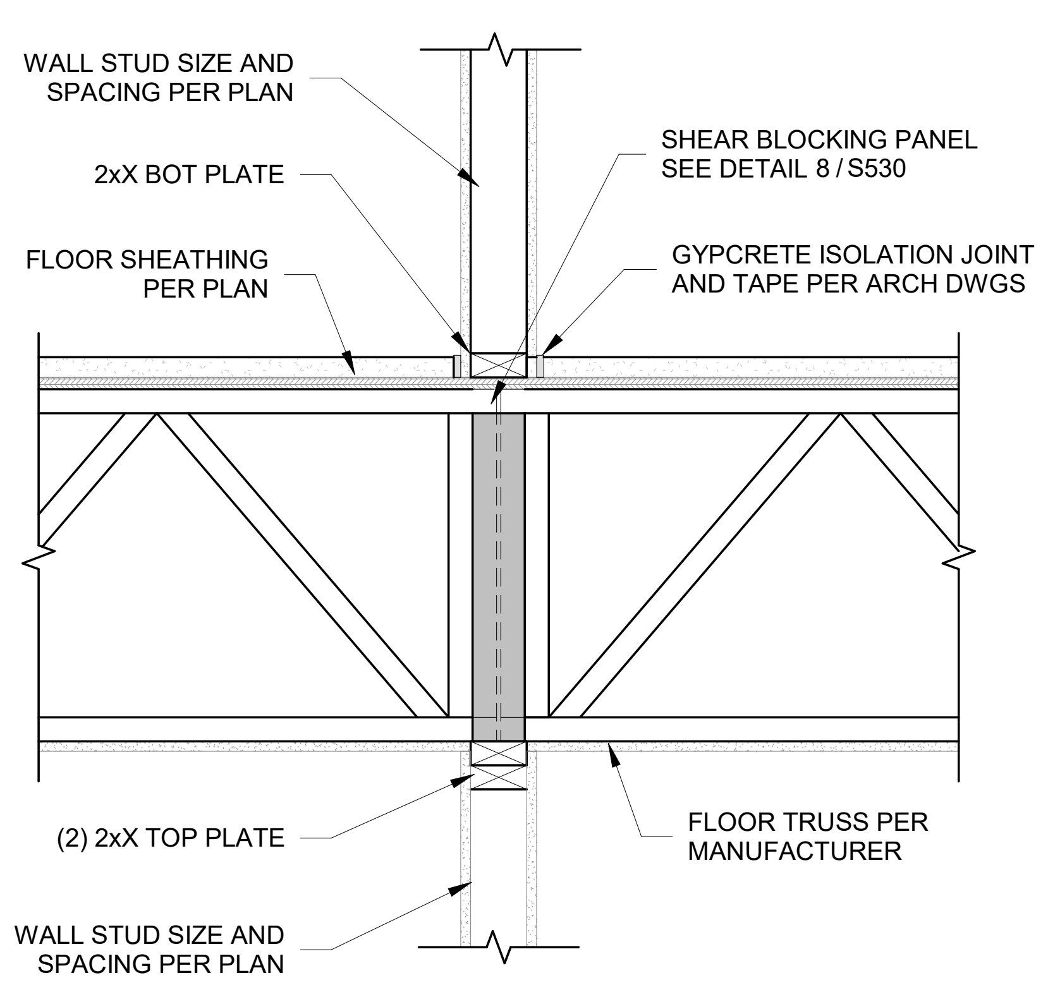

WALL STUD SIZE AND SPACING PER PLAN
2xX BOT PLATE
SIMPSON LU26 FACE MOUNT HANGER
FLOOR SHEATHING PER PLAN
4"
1 1/2" MIN
JOIST PER PLAN
2x8 LEDGER W/ (2) 4" SIMPSON STRONG DRIVE SDWS TIMBER SCREWS (EXTERIOR GRADE) @ 16" O.C.
CONTINUOUS 2x8 RIBBON BOARD
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS
(2) 2xX TOP PLATE
WALL SHEATHING PER PLAN TO BE CONTINUOUS TO UNDERSIDE OF FLOOR SHEATHING AS SHOWN
GYPCRETE ISOLATION JOINT AND TAPE PER ARCH DWGS
FLOOR TRUSS PER MFR @ 2'-0" O.C.
WALL STUD SIZE AND SPACING PER PLAN

5 S531 FRAMING AT CORRIDOR
1" = 1'-0"

NOTE:
ALL WALL STUDS MUST ALIGN FLOOR-TO-FLOOR. TO MAINTAIN CONTINUOUS LOAD PATH PROVIDE 2x SQUASH BLOCKS WHERE TRUSSES DO NOT ALIGN WITH STUDS.

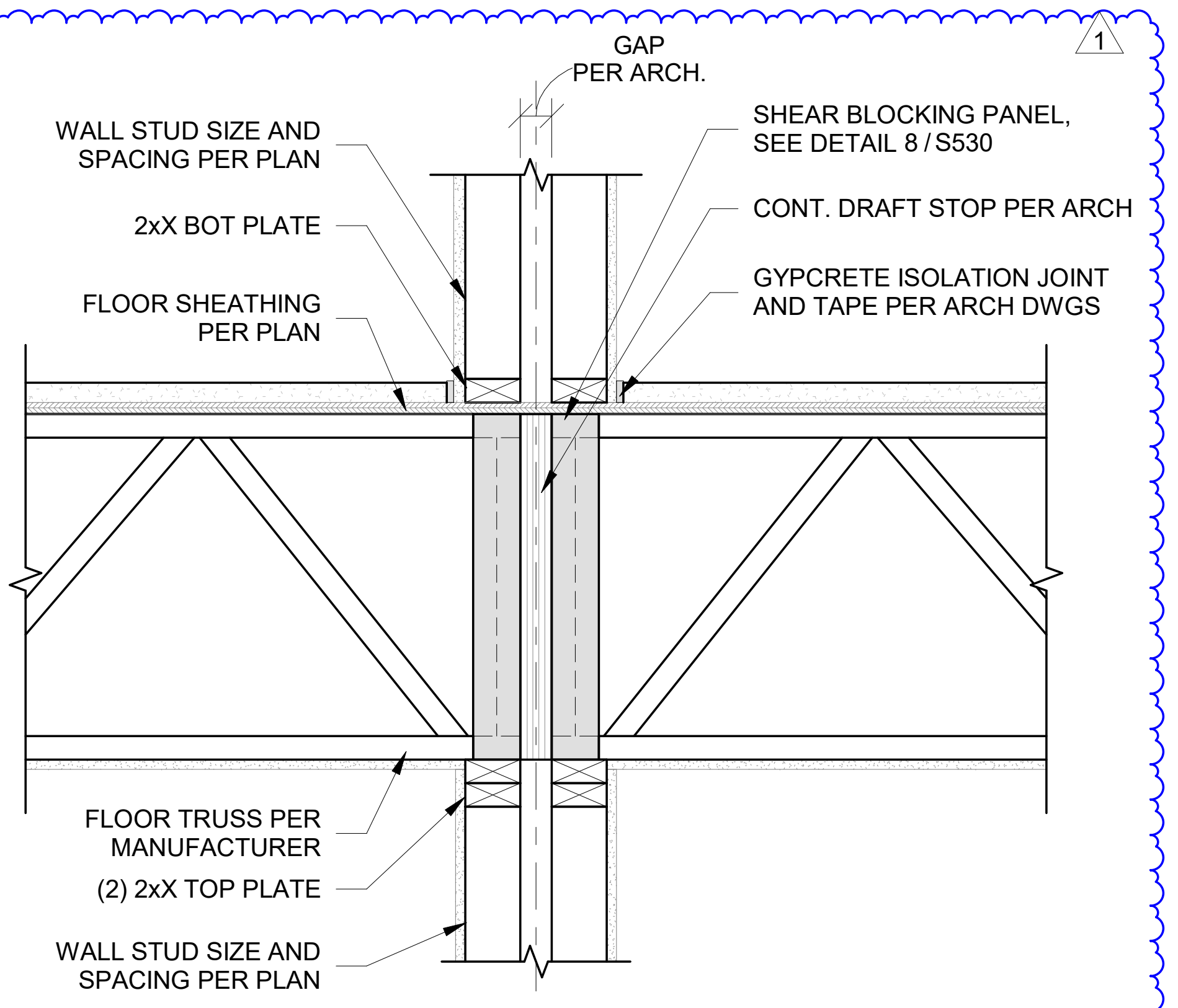

TRUSS RIBBON BOARD
2xX SQUASH BLOCKS NOTCHED FOR RIBBON BOARD (MATCH WALL STUD SIZE)
(2) 2xX TOP PLATE
WALL STUD SIZE AND SPACING PER PLAN

6 S531 TYPICAL WALL FRAMING ELEVATION
1" = 1'-0"

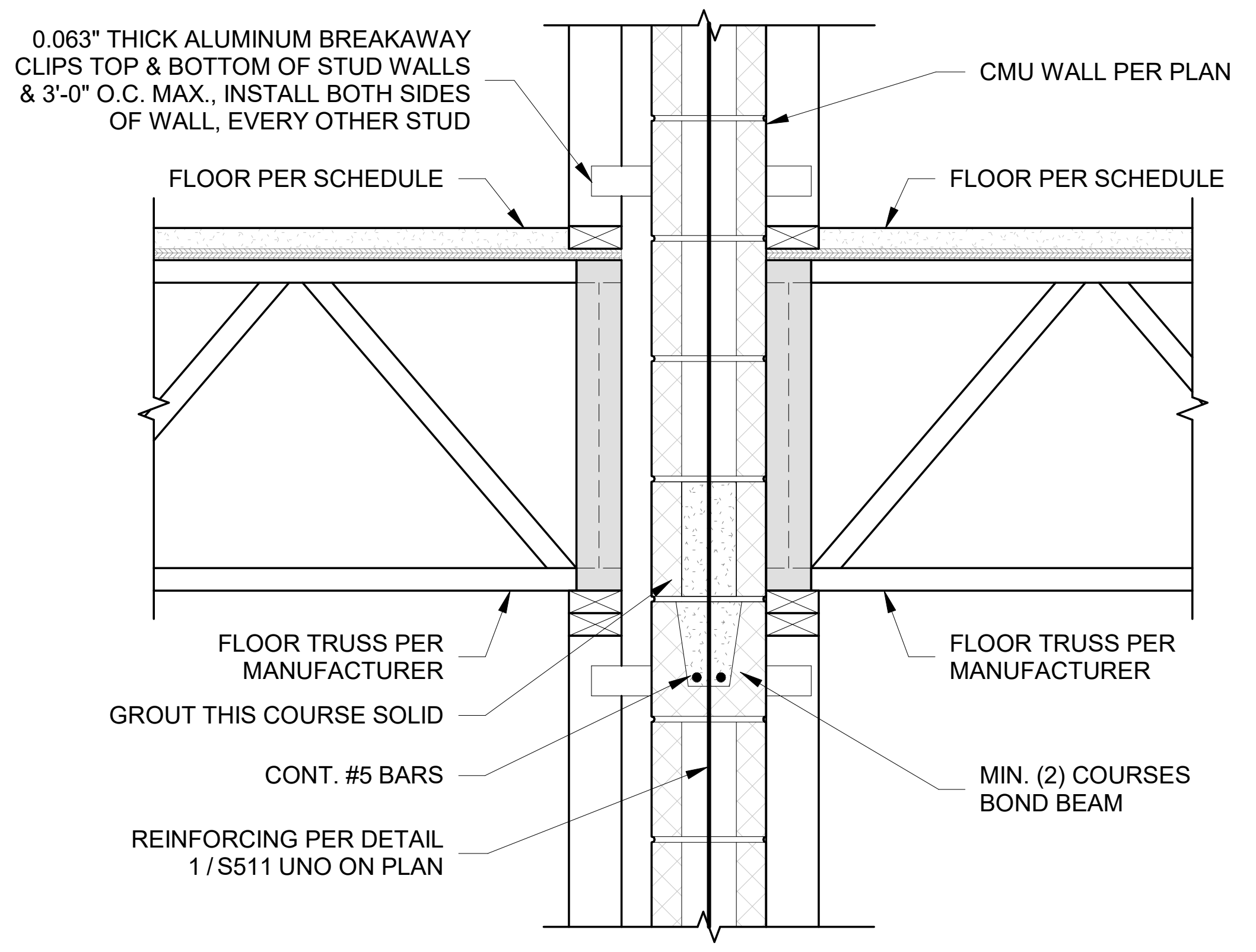

1
WALL STUD SIZE AND SPACING PER PLAN
2xX BOT PLATE
FLOOR SHEATHING PER PLAN
(2) 2xX TOP PLATE
WALL STUD SIZE AND SPACING PER PLAN
SHEAR BLOCKING PANEL SEE DETAIL 8 / S530
GYPCRETE ISOLATION JOINT AND TAPE PER ARCH DWGS
FLOOR TRUSS PER MANUFACTURER

FORMERLY PART OF DETAIL 6/S531 1

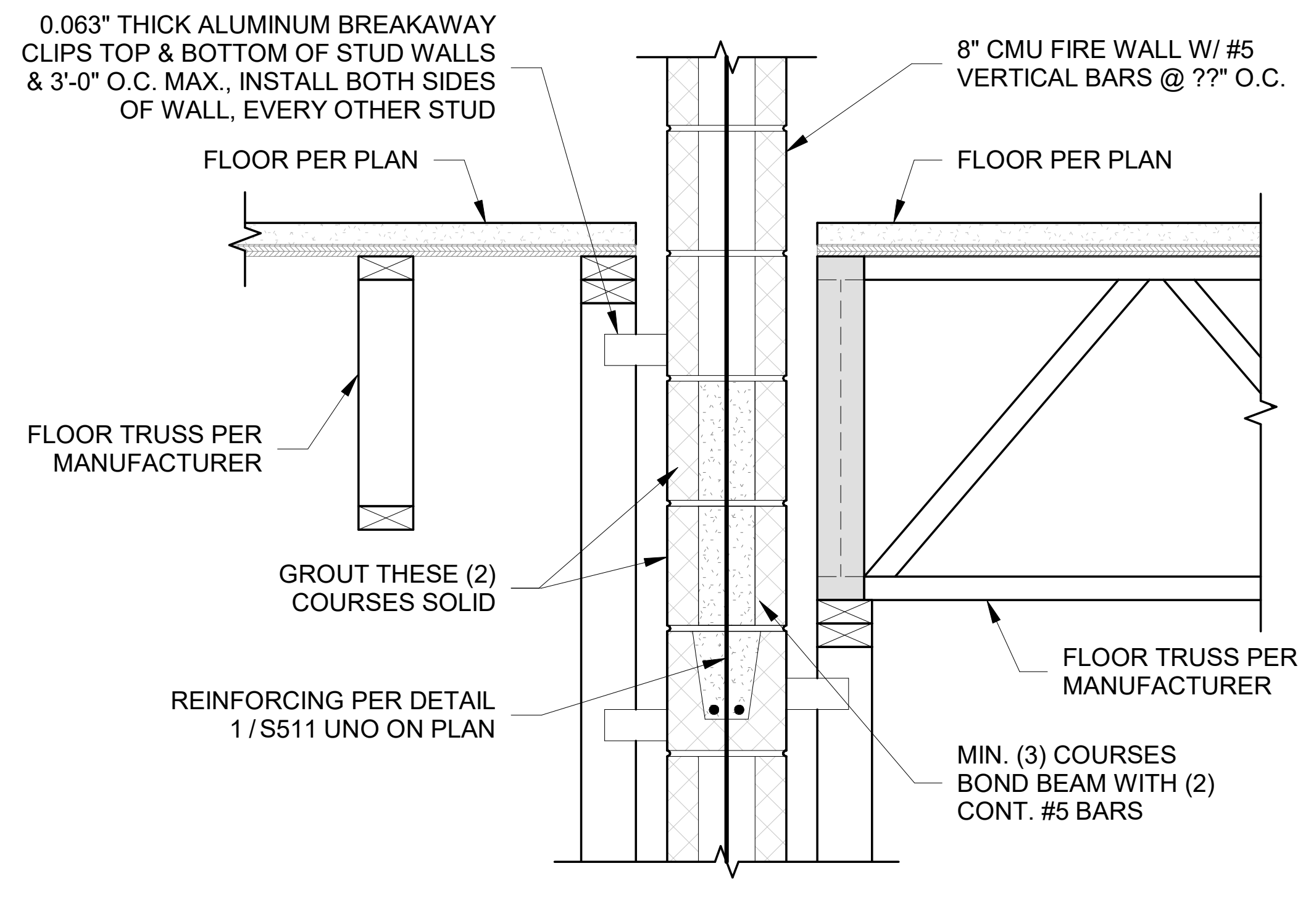
7 S531 FRAMING AT INTERIOR WALL
1" = 1'-0"


GAP PER ARCH.
WALL STUD SIZE AND SPACING PER PLAN
2xX BOT PLATE
FLOOR SHEATHING PER PLAN
FLOOR TRUSS PER MANUFACTURER
(2) 2xX TOP PLATE
WALL STUD SIZE AND SPACING PER PLAN
SHEAR BLOCKING PANEL, SEE DETAIL 8 / S530
CONT. DRAFT STOP PER ARCH
GYPCRETE ISOLATION JOINT AND TAPE PER ARCH DWGS

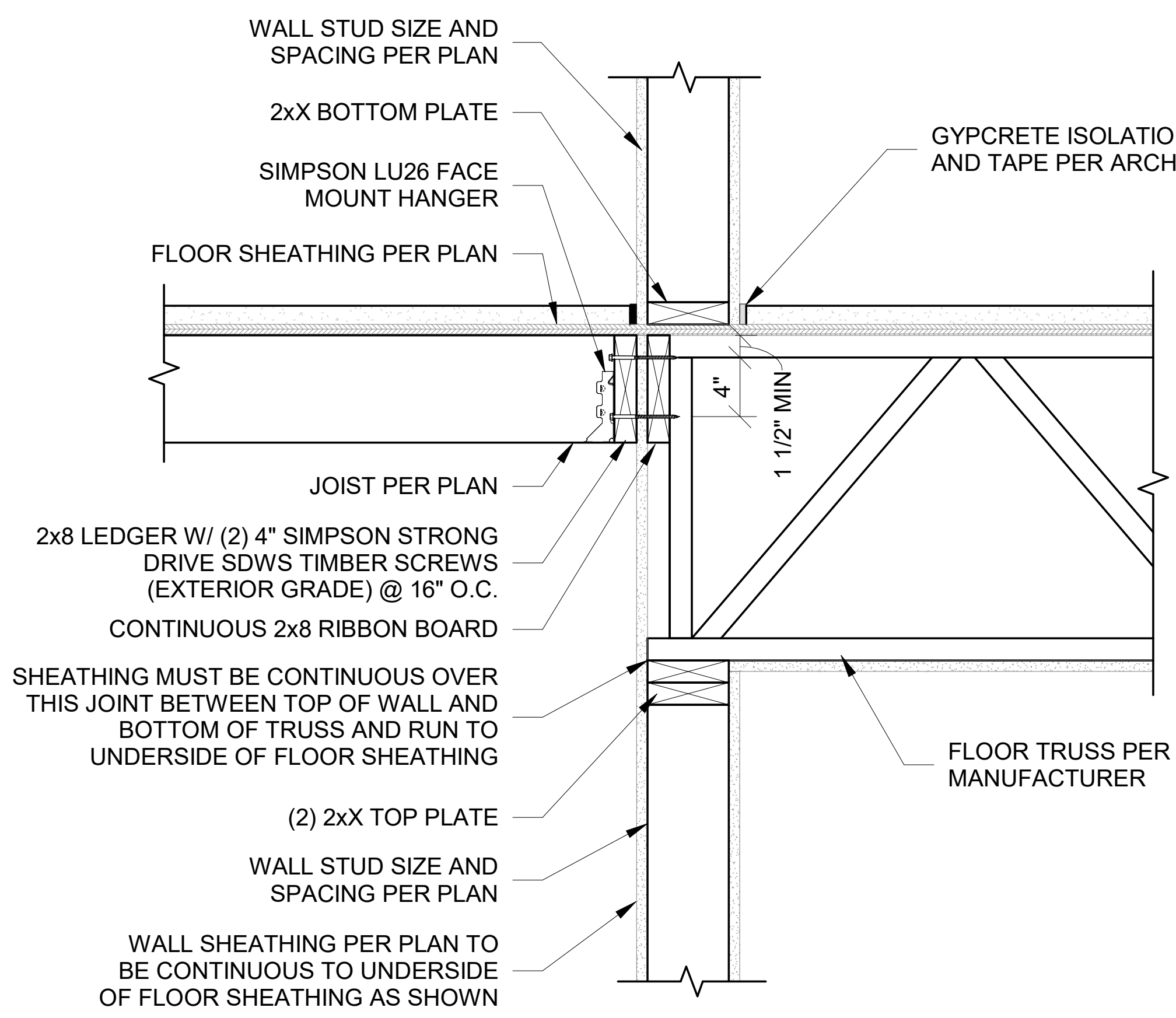
8 S531 FLOOR FRAMING AT INTERIOR WALL
1" = 1'-0"


1
0.063" THICK ALUMINUM BREAKAWAY CLIPS TOP & BOTTOM OF STUD WALLS & 3'-0" O.C. MAX., INSTALL BOTH SIDES OF WALL, EVERY OTHER STUD
FLOOR PER SCHEDULE
FLOOR TRUSS PER MANUFACTURER
GROUT THIS COURSE SOLID
CONT. #5 BARS
REINFORCING PER DETAIL 1 / S511 UNO ON PLAN
CMU WALL PER PLAN
FLOOR PER SCHEDULE
FLOOR TRUSS PER MANUFACTURER
MIN. (2) COURSES BOND BEAM

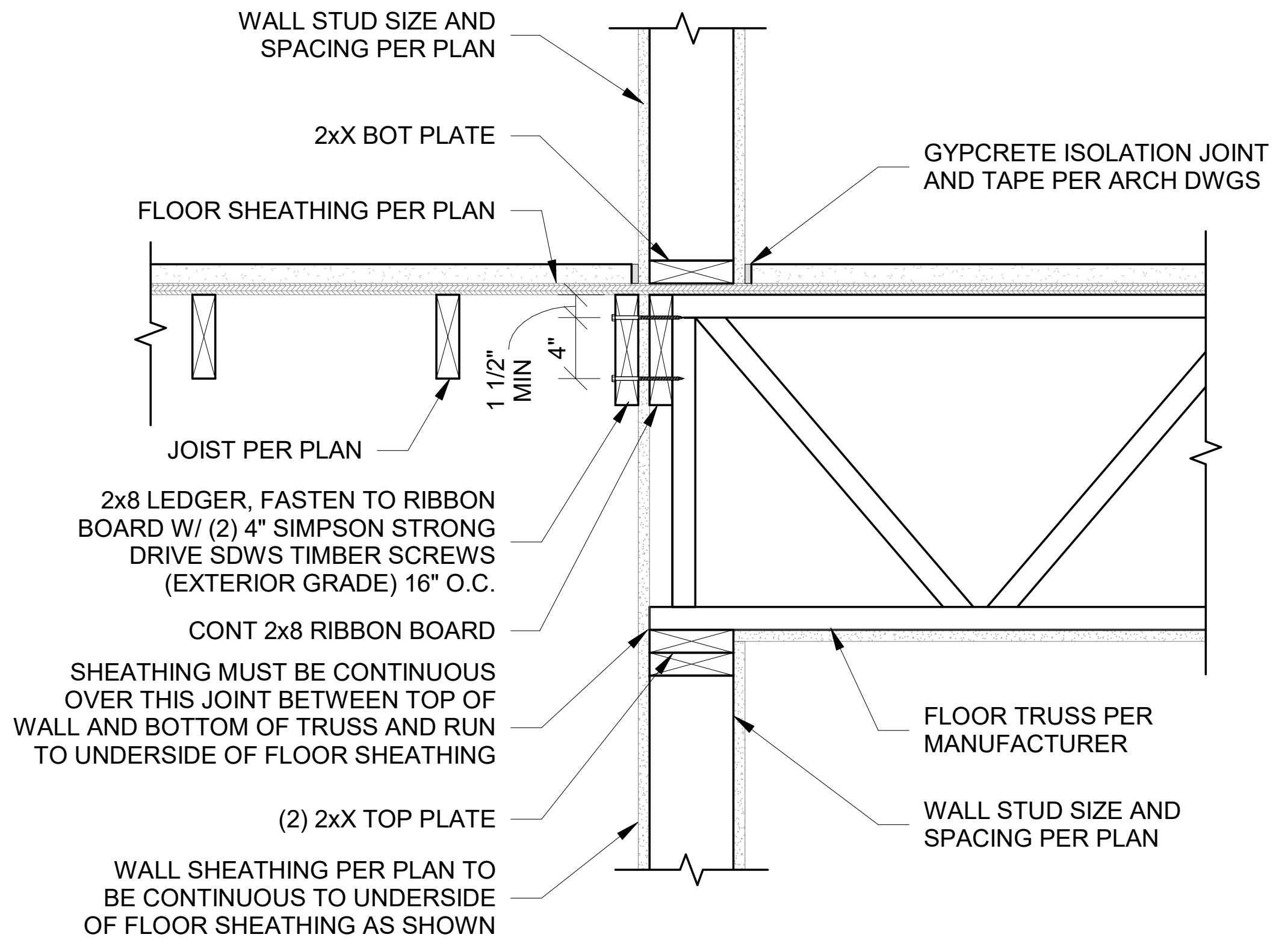
9 S531 FLOOR FRAMING AT CMU FIRE WALL
1" = 1'-0"


0.063" THICK ALUMINUM BREAKAWAY CLIPS TOP & BOTTOM OF STUD WALLS & 3'-0" O.C. MAX., INSTALL BOTH SIDES OF WALL, EVERY OTHER STUD
FLOOR PER PLAN
FLOOR TRUSS PER MANUFACTURER
GROUT THESE (2) COURSES SOLID
REINFORCING PER DETAIL 1 / S511 UNO ON PLAN
8" CMU FIRE WALL W/ #5 VERTICAL BARS @ ??" O.C.
FLOOR PER PLAN
FLOOR TRUSS PER MANUFACTURER
MIN. (3) COURSES BOND BEAM WITH (2) CONT. #5 BARS

10 S531 FLOOR FRAMING TRANSITION AT CMU FIRE WALL
1" = 1'-0"


WALL STUD SIZE AND SPACING PER PLAN
2xX BOTTOM PLATE
SIMPSON LU26 FACE MOUNT HANGER
FLOOR SHEATHING PER PLAN
4"
1 1/2" MIN
JOIST PER PLAN
2x8 LEDGER W/ (2) 4" SIMPSON STRONG DRIVE SDWS TIMBER SCREWS (EXTERIOR GRADE) @ 16" O.C.
CONTINUOUS 2x8 RIBBON BOARD
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS AND RUN TO UNDERSIDE OF FLOOR SHEATHING
(2) 2xX TOP PLATE
WALL STUD SIZE AND SPACING PER PLAN
WALL SHEATHING PER PLAN TO BE CONTINUOUS TO UNDERSIDE OF FLOOR SHEATHING AS SHOWN
GYPCRETE ISOLATION JOINT AND TAPE PER ARCH DWGS
FLOOR TRUSS PER MANUFACTURER

11 S531 FLOOR TRUSS BEARING AT CORRIDOR
1" = 1'-0"


WALL STUD SIZE AND SPACING PER PLAN
2xX BOT PLATE
FLOOR SHEATHING PER PLAN
4"
1 1/2" MIN
JOIST PER PLAN
2x8 LEDGER, FASTEN TO RIBBON BOARD W/ (2) 4" SIMPSON STRONG DRIVE SDWS TIMBER SCREWS (EXTERIOR GRADE) 16" O.C.
CONT 2x8 RIBBON BOARD
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS AND RUN TO UNDERSIDE OF FLOOR SHEATHING
(2) 2xX TOP PLATE
WALL SHEATHING PER PLAN TO BE CONTINUOUS TO UNDERSIDE OF FLOOR SHEATHING AS SHOWN
GYPCRETE ISOLATION JOINT AND TAPE PER ARCH DWGS
FLOOR TRUSS PER MANUFACTURER
WALL STUD SIZE AND SPACING PER PLAN

12 S531 FRAMING AT CORRIDOR
1" = 1'-0"

PRINTS ISSUED

01/25/2024 - CITY SUBMITTAL

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

THE VILLAGE AT DISCOVERY - LOT 4

1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
WOOD FLOOR FRAMING DETAILS

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S531

RENUMBERED SHEET (FORMERLY S510) 1

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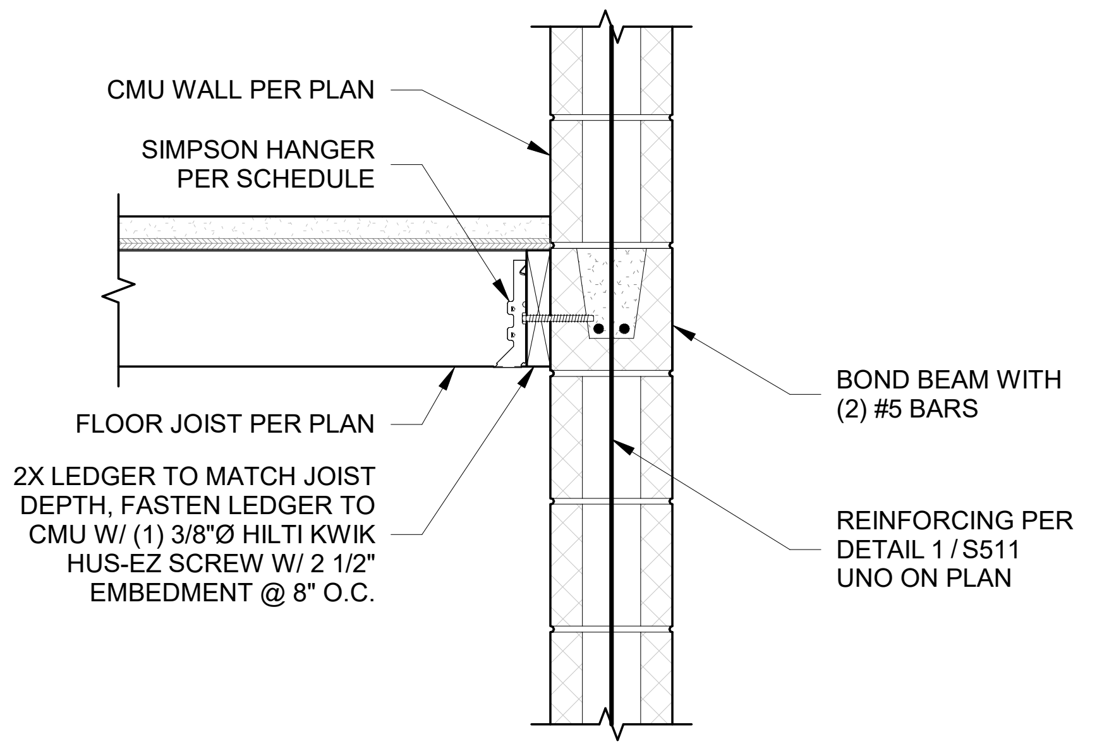
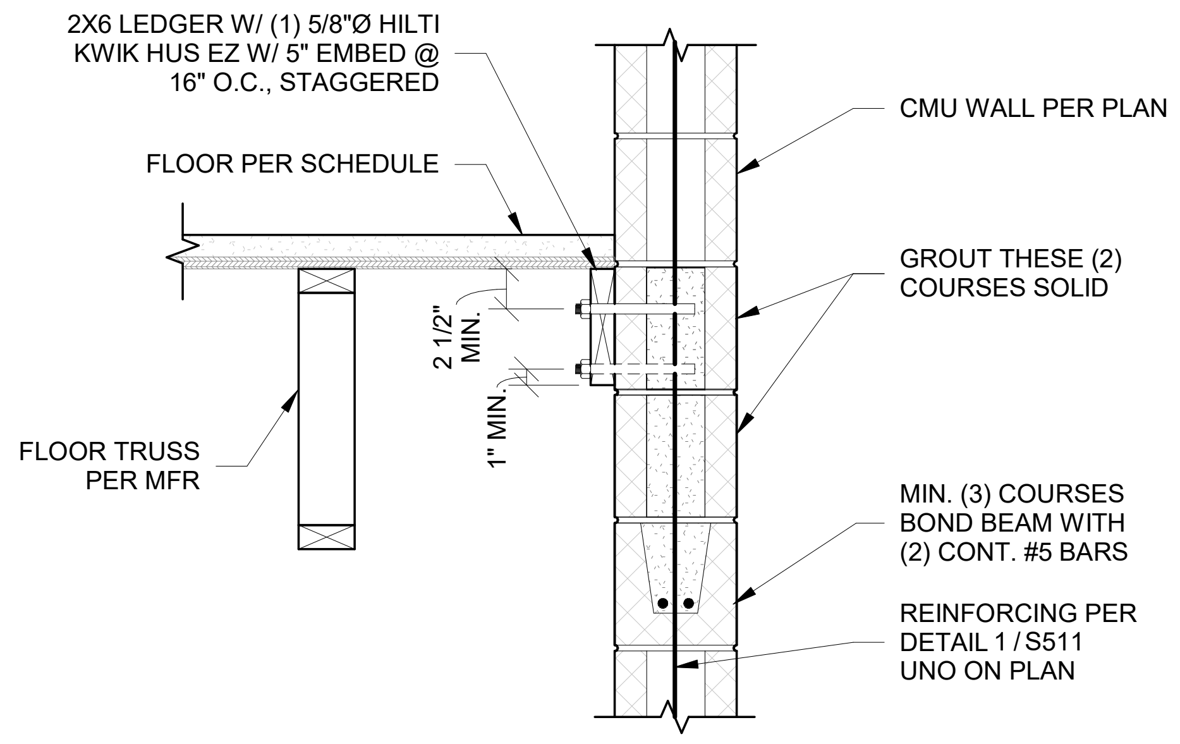
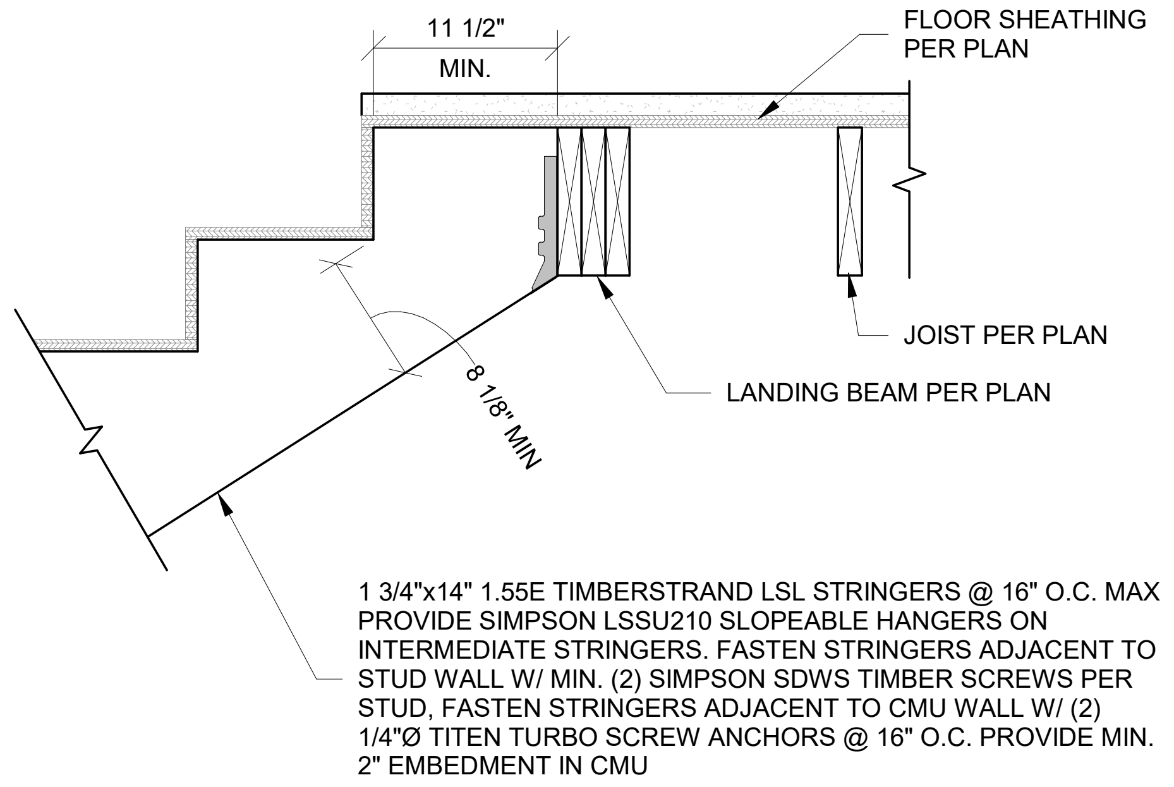

CMU WALL PER PLAN
SIMPSON HANGER PER SCHEDULE
FLOOR JOIST PER PLAN
2X LEDGER TO MATCH JOIST DEPTH, FASTEN LEDGER TO CMU W/ (1) 3/8"Ø HILTI KWIK HUS-EZ SCREW W/ 2 1/2" EMBEDMENT @ 8" O.C.
BOND BEAM WITH (2) #5 BARS
REINFORCING PER DETAIL 1 / S511 UNO ON PLAN

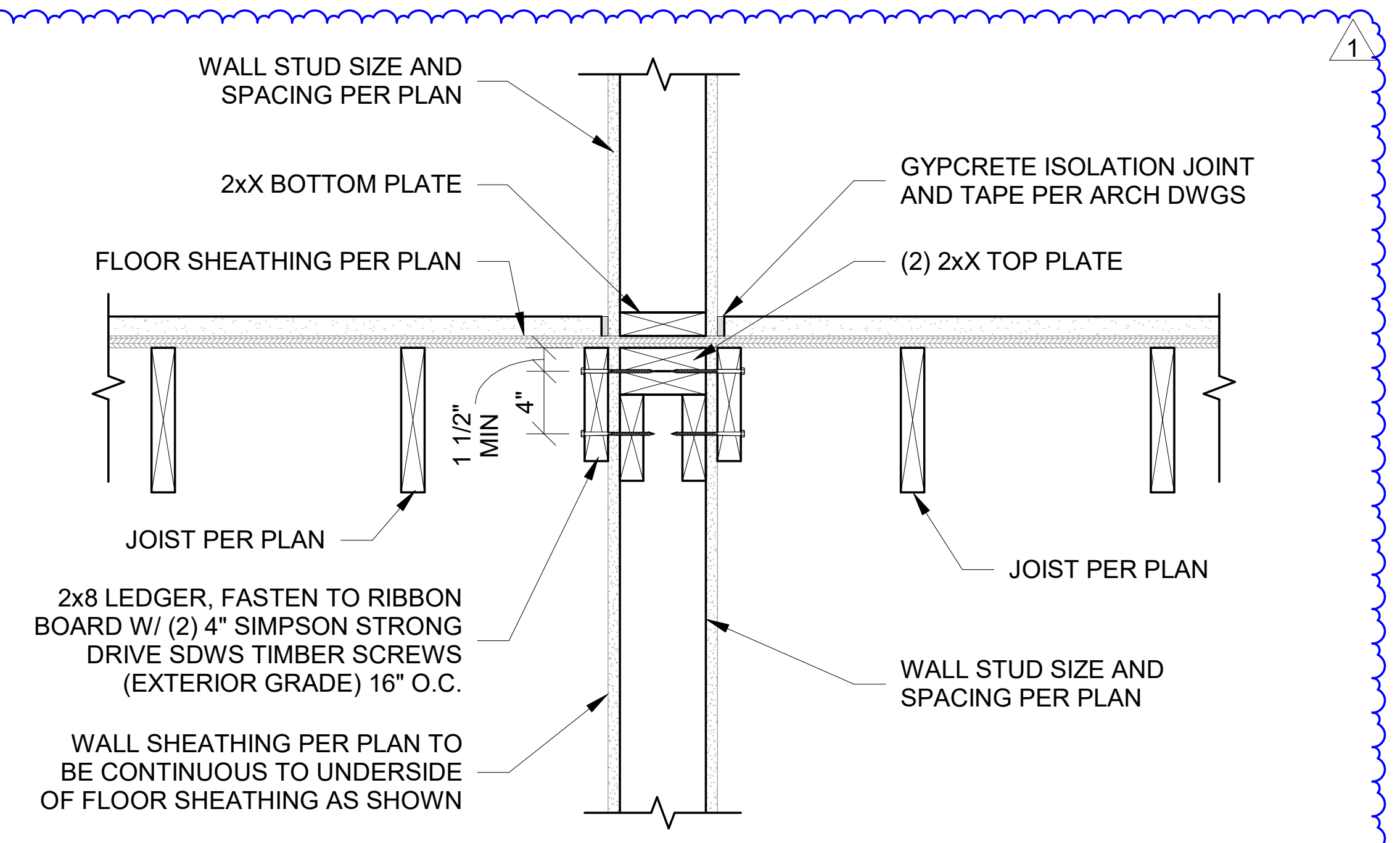
1 S532 FLOOR JOIST BEARING AT CMU
1" = 1'-0"


2X6 LEDGER W/ (1) 5/8"Ø HILTI KWIK HUS EZ W/ 5" EMBED @ 16" O.C., STAGGERED
FLOOR PER SCHEDULE
FLOOR TRUSS PER MFR
2 1/2" MIN.
1" MIN.
CMU WALL PER PLAN
GROUT THESE (2) COURSES SOLID
MIN. (3) COURSES BOND BEAM WITH (2) CONT. #5 BARS
REINFORCING PER DETAIL 1 / S511 UNO ON PLAN

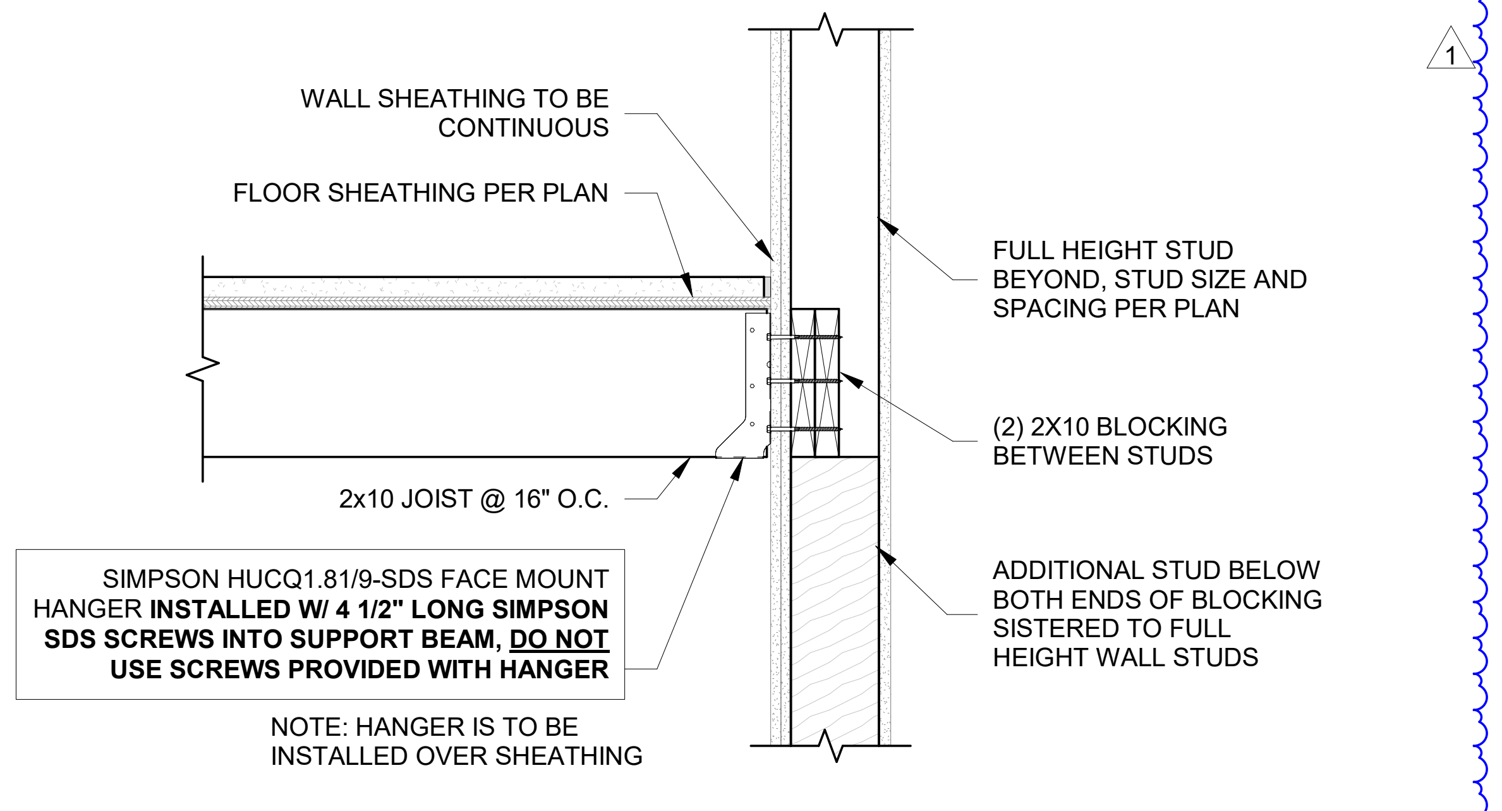
2 S532 FLOOR TRUSS PARALLEL TO CMU
1" = 1'-0"


11 1/2" MIN.
FLOOR SHEATHING PER PLAN
JOIST PER PLAN
LANDING BEAM PER PLAN
8 1/8" MIN
1 3/4"x14" 1.55E TIMBERSTRAND LSL STRINGERS @ 16" O.C. MAX PROVIDE SIMPSON LSSU210 SLOPEABLE HANGERS ON INTERMEDIATE STRINGERS. FASTEN STRINGERS ADJACENT TO STUD WALL W/ MIN. (2) SIMPSON SDWS TIMBER SCREWS PER STUD, FASTEN STRINGERS ADJACENT TO CMU WALL W/ (2) 1/4"Ø TITEN TURBO SCREW ANCHORS @ 16" O.C. PROVIDE MIN. 2" EMBEDMENT IN CMU

3 S532 LANDING AT FLOOR JOIST
1" = 1'-0"


1
WALL STUD SIZE AND SPACING PER PLAN
2xX BOTTOM PLATE
FLOOR SHEATHING PER PLAN
JOIST PER PLAN
2x8 LEDGER, FASTEN TO RIBBON BOARD W/ (2) 4" SIMPSON STRONG DRIVE SDWS TIMBER SCREWS (EXTERIOR GRADE) 16" O.C.
WALL SHEATHING PER PLAN TO BE CONTINUOUS TO UNDERSIDE OF FLOOR SHEATHING AS SHOWN
1 1/2" MIN
4"
GYPCRETE ISOLATION JOINT AND TAPE PER ARCH DWGS
(2) 2xX TOP PLATE
JOIST PER PLAN
WALL STUD SIZE AND SPACING PER PLAN

4 S532 FRAMING AT CORRIDOR
1" = 1'-0"


1
WALL SHEATHING TO BE CONTINUOUS
FLOOR SHEATHING PER PLAN
2x10 JOIST @ 16" O.C.
SIMPSON HUCQ1.81/9-SDS FACE MOUNT HANGER **INSTALLED W/ 4 1/2" LONG SIMPSON SDS SCREWS INTO SUPPORT BEAM, DO NOT USE SCREWS PROVIDED WITH HANGER**
NOTE: HANGER IS TO BE INSTALLED OVER SHEATHING
FULL HEIGHT STUD BEYOND, STUD SIZE AND SPACING PER PLAN
(2) 2X10 BLOCKING BETWEEN STUDS
ADDITIONAL STUD BELOW BOTH ENDS OF BLOCKING SISTERED TO FULL HEIGHT WALL STUDS

5 S532 SECTION AT STAIR WALL
1" = 1'-0"

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THE VILLAGE AT DISCOVERY - LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

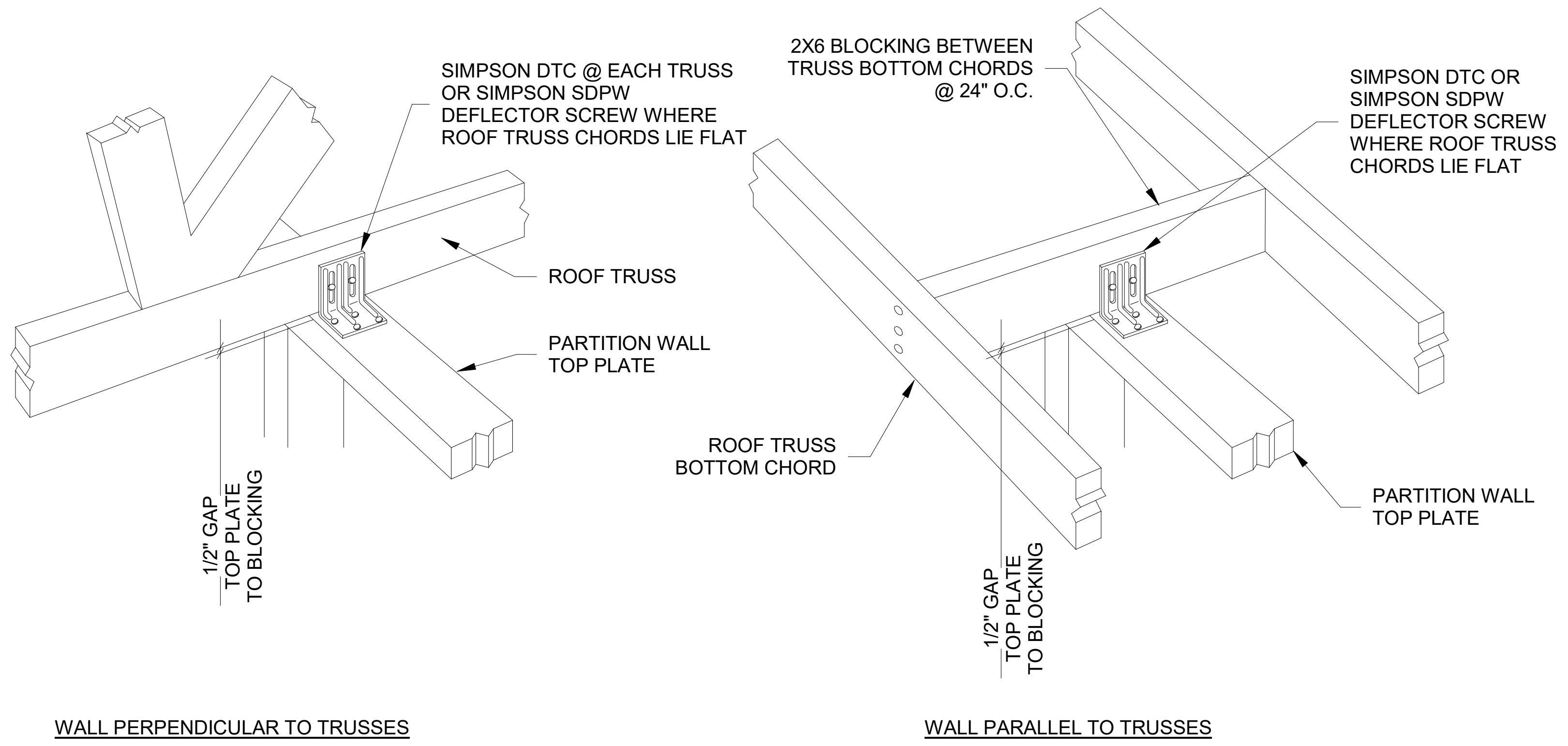
SHEET TITLE
WOOD FLOOR FRAMING DETAILS

PROJECT NUMBER: 2023000333

SHEET NUMBER:

S532

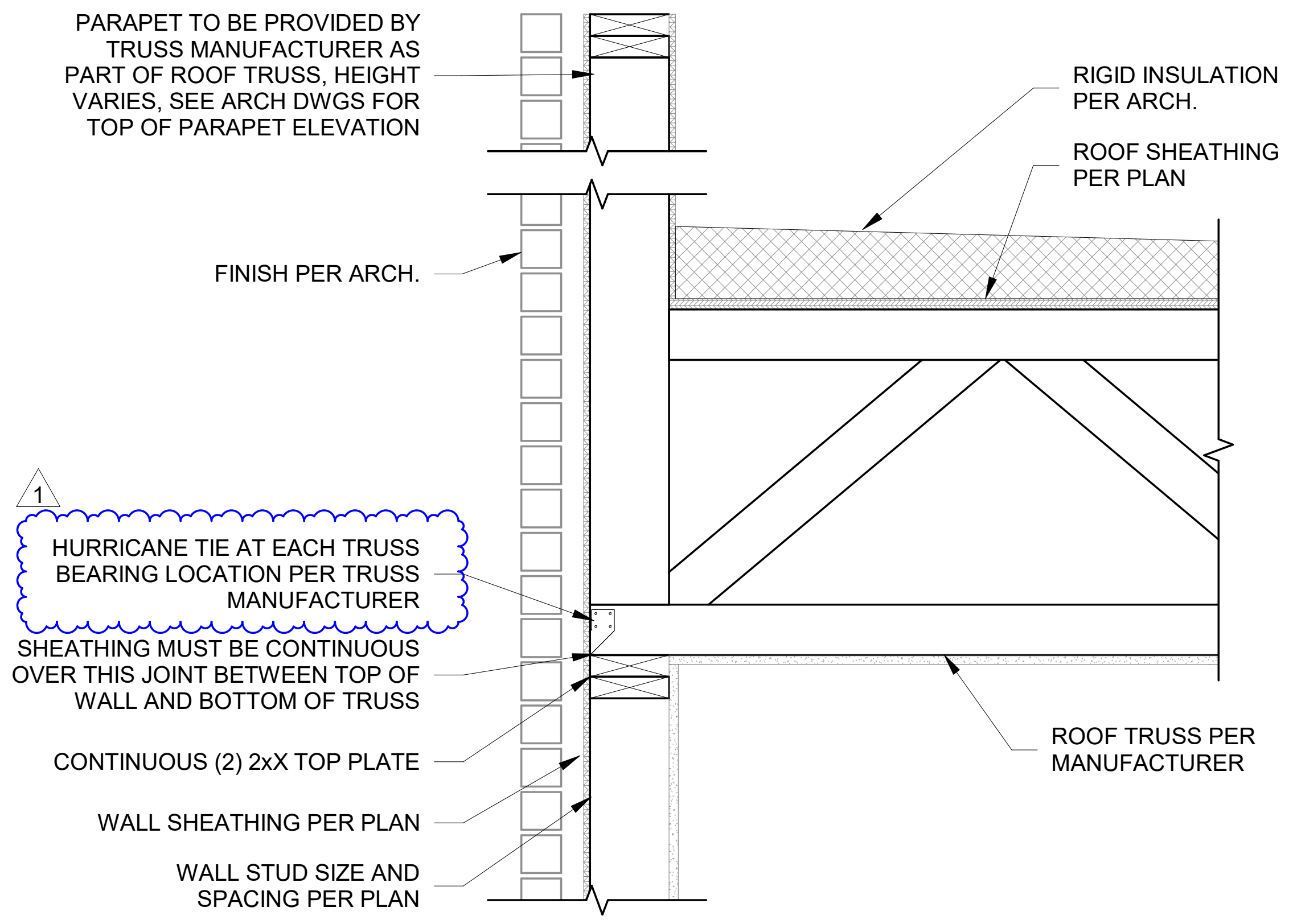
RENUMBERED SHEET (FORMERLY S511) 1


SIMPSON DTC @ EACH TRUSS OR SIMPSON SDPW DEFLECTOR SCREW WHERE ROOF TRUSS CHORDS LIE FLAT
ROOF TRUSS
PARTITION WALL TOP PLATE
1/2" GAP TOP PLATE TO BLOCKING
2X6 BLOCKING BETWEEN TRUSS BOTTOM CHORDS @ 24" O.C.
SIMPSON DTC OR SIMPSON SDPW DEFLECTOR SCREW WHERE ROOF TRUSS CHORDS LIE FLAT
ROOF TRUSS BOTTOM CHORD
PARTITION WALL TOP PLATE
1/2" GAP TOP PLATE TO BLOCKING

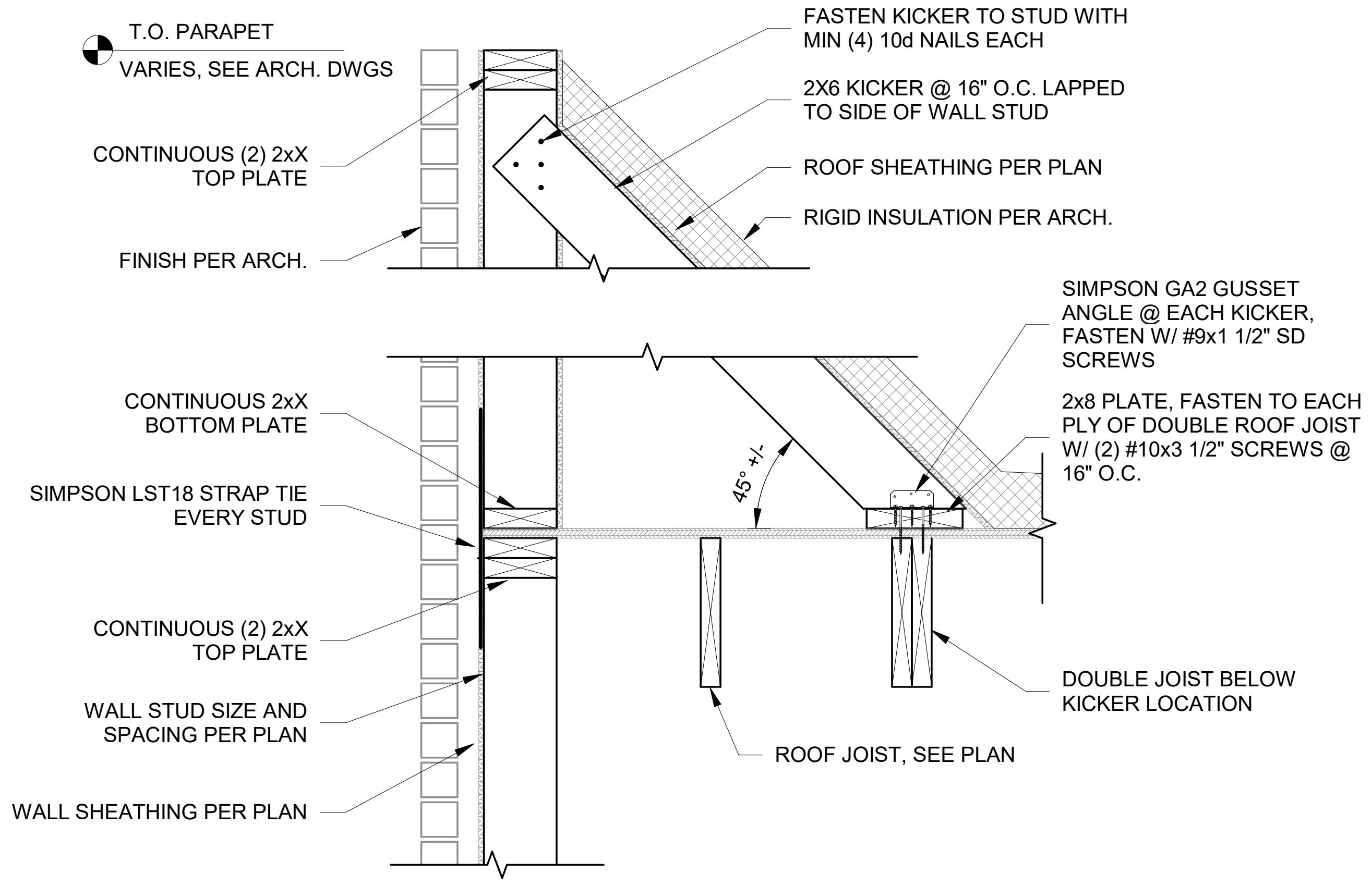
WALL PERPENDICULAR TO TRUSSES

WALL PARALLEL TO TRUSSES

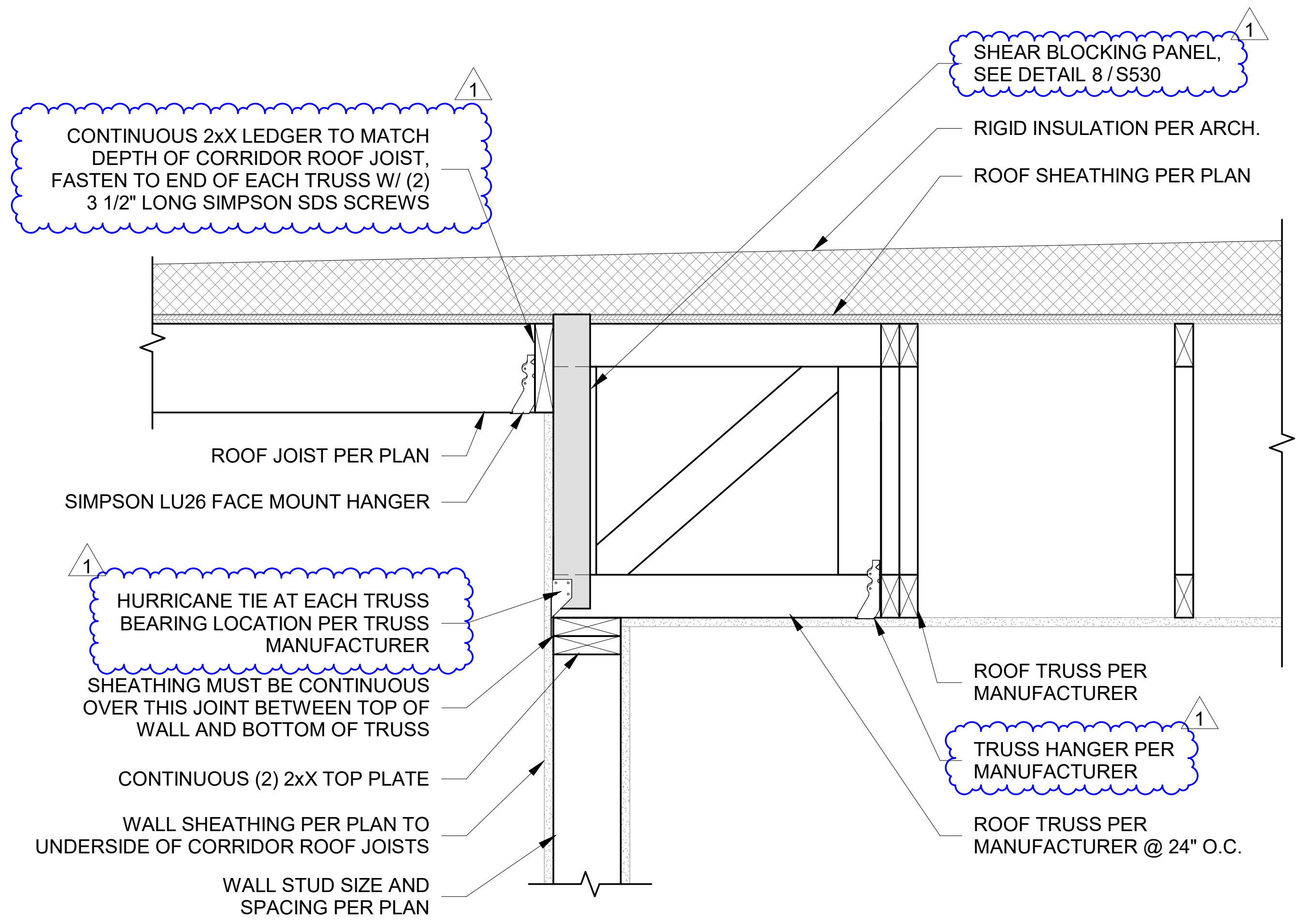
1 PARTITION WALL AT ROOF TRUSS
S540 1" = 1'-0"


PARAPET TO BE PROVIDED BY TRUSS MANUFACTURER AS PART OF ROOF TRUSS, HEIGHT VARIES, SEE ARCH DWGS FOR TOP OF PARAPET ELEVATION
FINISH PER ARCH.
1
HURRICANE TIE AT EACH TRUSS BEARING LOCATION PER TRUSS MANUFACTURER
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS
CONTINUOUS (2) 2xX TOP PLATE
WALL SHEATHING PER PLAN
WALL STUD SIZE AND SPACING PER PLAN
RIGID INSULATION PER ARCH.
ROOF SHEATHING PER PLAN
ROOF TRUSS PER MANUFACTURER

2 ROOF TRUSS AT EXTERIOR WALL
S540 1" = 1'-0"

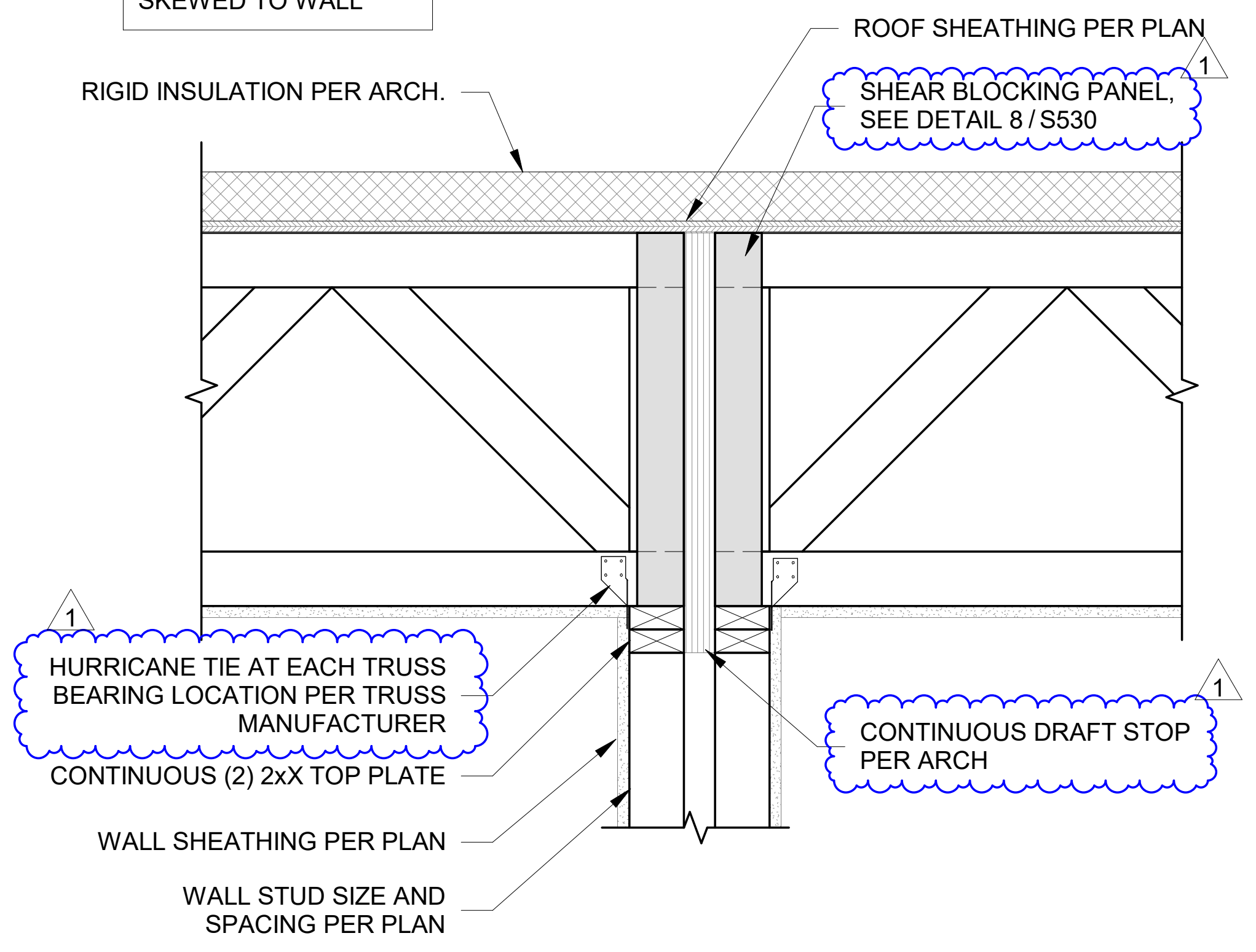

T.O. PARAPET
VARIES, SEE ARCH. DWGS
CONTINUOUS (2) 2xX TOP PLATE
FINISH PER ARCH.
CONTINUOUS 2xX BOTTOM PLATE
SIMPSON LST18 STRAP TIE EVERY STUD
CONTINUOUS (2) 2xX TOP PLATE
WALL STUD SIZE AND SPACING PER PLAN
WALL SHEATHING PER PLAN
FASTEN KICKER TO STUD WITH MIN (4) 10d NAILS EACH
2X6 KICKER @ 16" O.C. LAPPED TO SIDE OF WALL STUD
ROOF SHEATHING PER PLAN
RIGID INSULATION PER ARCH.
SIMPSON GA2 GUSSET ANGLE @ EACH KICKER, FASTEN W/ #9x1 1/2" SD SCREWS
2x8 PLATE, FASTEN TO EACH PLY OF DOUBLE ROOF JOIST W/ (2) #10x3 1/2" SCREWS @ 16" O.C.
45° +/-
DOUBLE JOIST BELOW KICKER LOCATION
ROOF JOIST, SEE PLAN

3 FRAMING AT EXTERIOR WALL AT ROOF
S540 1" = 1'-0"

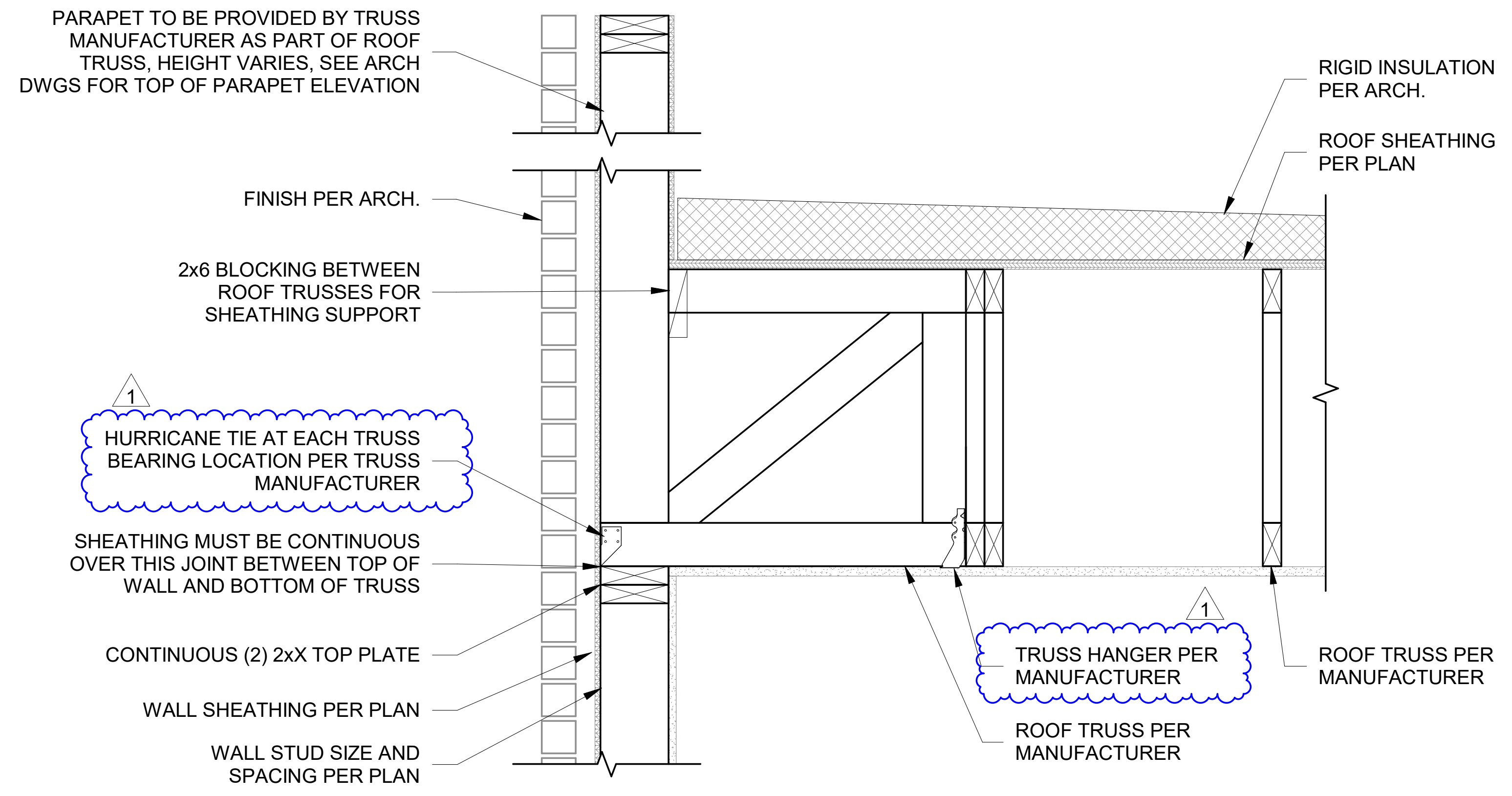

1
CONTINUOUS 2xX LEDGER TO MATCH DEPTH OF CORRIDOR ROOF JOIST, FASTEN TO END OF EACH TRUSS W/ (2) 3 1/2" LONG SIMPSON SDS SCREWS
1
SHEAR BLOCKING PANEL, SEE DETAIL 8 / S530
RIGID INSULATION PER ARCH.
ROOF SHEATHING PER PLAN
ROOF JOIST PER PLAN
SIMPSON LU26 FACE MOUNT HANGER
1
HURRICANE TIE AT EACH TRUSS BEARING LOCATION PER TRUSS MANUFACTURER
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS
CONTINUOUS (2) 2xX TOP PLATE
WALL SHEATHING PER PLAN TO UNDERSIDE OF CORRIDOR ROOF JOISTS
WALL STUD SIZE AND SPACING PER PLAN
ROOF TRUSS PER MANUFACTURER
1
TRUSS HANGER PER MANUFACTURER
ROOF TRUSS PER MANUFACTURER @ 24" O.C.

4 FRAMING AT CORRIDOR AT ROOF
S540 1" = 1'-0"

NOTES:
TRUSSES SHOWN ARE SKEWED TO WALL

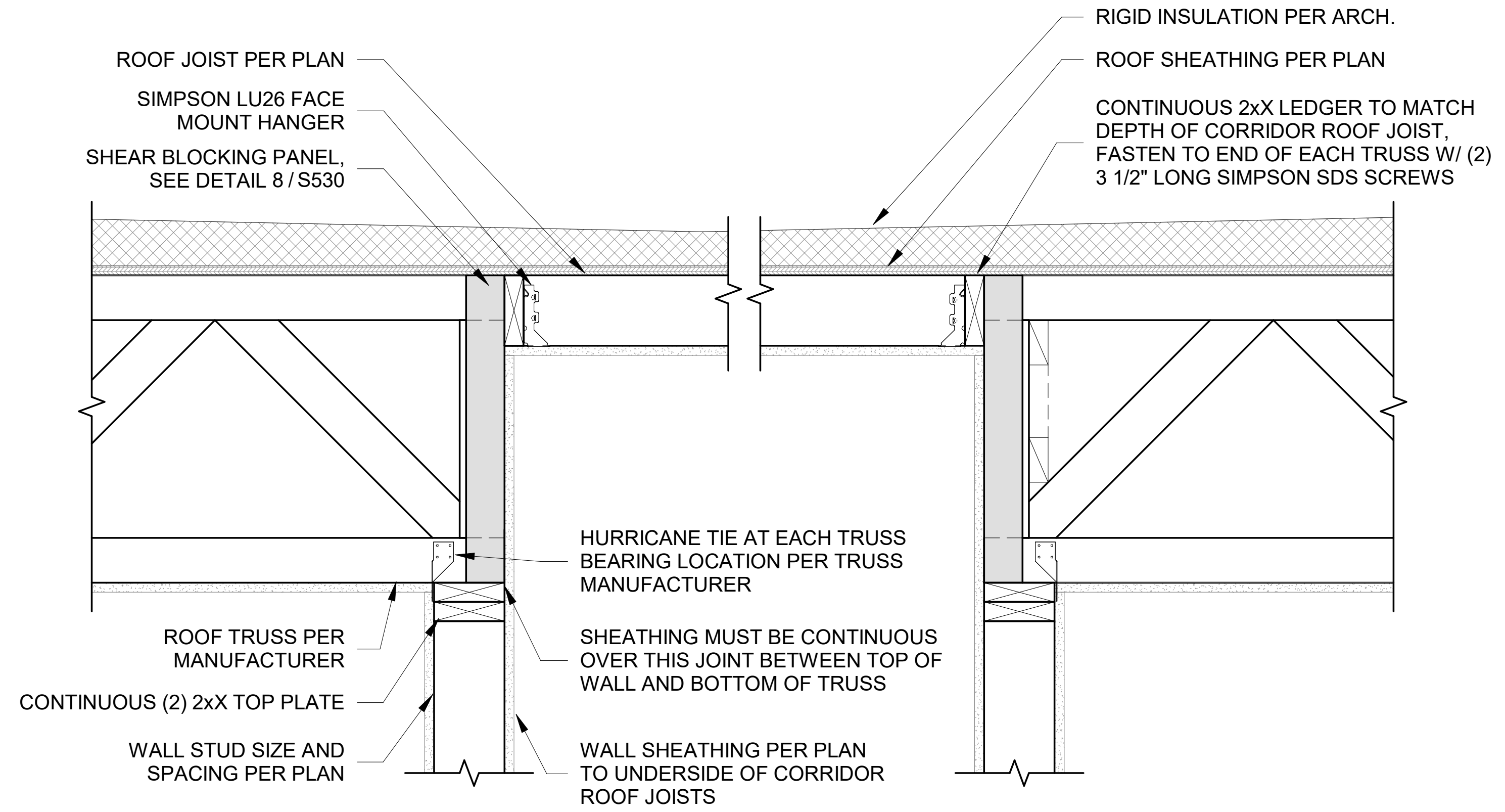

RIGID INSULATION PER ARCH.
ROOF SHEATHING PER PLAN
1
SHEAR BLOCKING PANEL, SEE DETAIL 8 / S530
1
HURRICANE TIE AT EACH TRUSS BEARING LOCATION PER TRUSS MANUFACTURER
CONTINUOUS (2) 2xX TOP PLATE
WALL SHEATHING PER PLAN
WALL STUD SIZE AND SPACING PER PLAN
1
CONTINUOUS DRAFT STOP PER ARCH

5 ROOF TRUSS BEARING ON INTERIOR WALL
S540 1" = 1'-0"

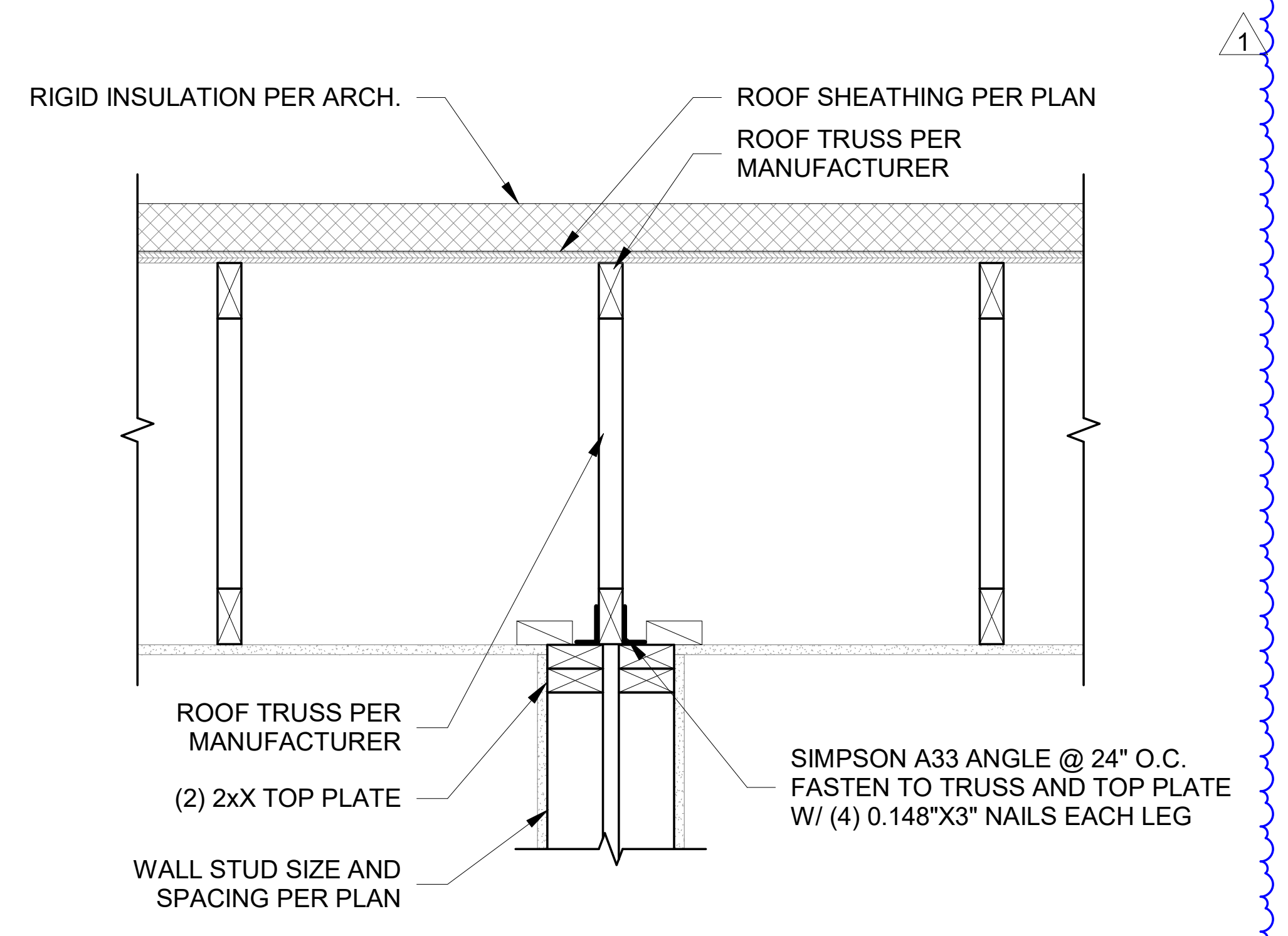

PARAPET TO BE PROVIDED BY TRUSS MANUFACTURER AS PART OF ROOF TRUSS, HEIGHT VARIES, SEE ARCH DWGS FOR TOP OF PARAPET ELEVATION
FINISH PER ARCH.
2x6 BLOCKING BETWEEN ROOF TRUSSES FOR SHEATHING SUPPORT
1
HURRICANE TIE AT EACH TRUSS BEARING LOCATION PER TRUSS MANUFACTURER
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS
CONTINUOUS (2) 2xX TOP PLATE
WALL SHEATHING PER PLAN
WALL STUD SIZE AND SPACING PER PLAN
RIGID INSULATION PER ARCH.
ROOF SHEATHING PER PLAN
1
TRUSS HANGER PER MANUFACTURER
ROOF TRUSS PER MANUFACTURER
ROOF TRUSS PER MANUFACTURER

NOTES:
EXTERIOR WALL IS DOUBLE WALL AT LOCATIONS MARKED SIM.

6 ROOF TRUSS PARALLEL AT EXTERIOR WALL
S540 1" = 1'-0"


ROOF JOIST PER PLAN
SIMPSON LU26 FACE MOUNT HANGER
SHEAR BLOCKING PANEL, SEE DETAIL 8 / S530
RIGID INSULATION PER ARCH.
ROOF SHEATHING PER PLAN
CONTINUOUS 2xX LEDGER TO MATCH DEPTH OF CORRIDOR ROOF JOIST, FASTEN TO END OF EACH TRUSS W/ (2) 3 1/2" LONG SIMPSON SDS SCREWS
HURRICANE TIE AT EACH TRUSS BEARING LOCATION PER TRUSS MANUFACTURER
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS
ROOF TRUSS PER MANUFACTURER
CONTINUOUS (2) 2xX TOP PLATE
WALL STUD SIZE AND SPACING PER PLAN
WALL SHEATHING PER PLAN TO UNDERSIDE OF CORRIDOR ROOF JOISTS

7 ROOF TRUSS AT CORRIDOR WITH BUMP UP
S540 1" = 1'-0"


1
RIGID INSULATION PER ARCH.
ROOF SHEATHING PER PLAN
ROOF TRUSS PER MANUFACTURER
ROOF TRUSS PER MANUFACTURER
(2) 2xX TOP PLATE
WALL STUD SIZE AND SPACING PER PLAN
SIMPSON A33 ANGLE @ 24" O.C. FASTEN TO TRUSS AND TOP PLATE W/ (4) 0.148"X3" NAILS EACH LEG

DRAG FORCE = 450 LBS ASD WIND

8 ROOF DRAG TRUSS SECTION AT SHEAR WALL
S540 1" = 1'-0"

PRINTS ISSUED

01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/2024	Addendum #1
2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

McCLURE™
2001 W Broadway
Columbia, MO 65203
P 573-814-1568

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

THE VILLAGE AT DISCOVERY - LOT 4

1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

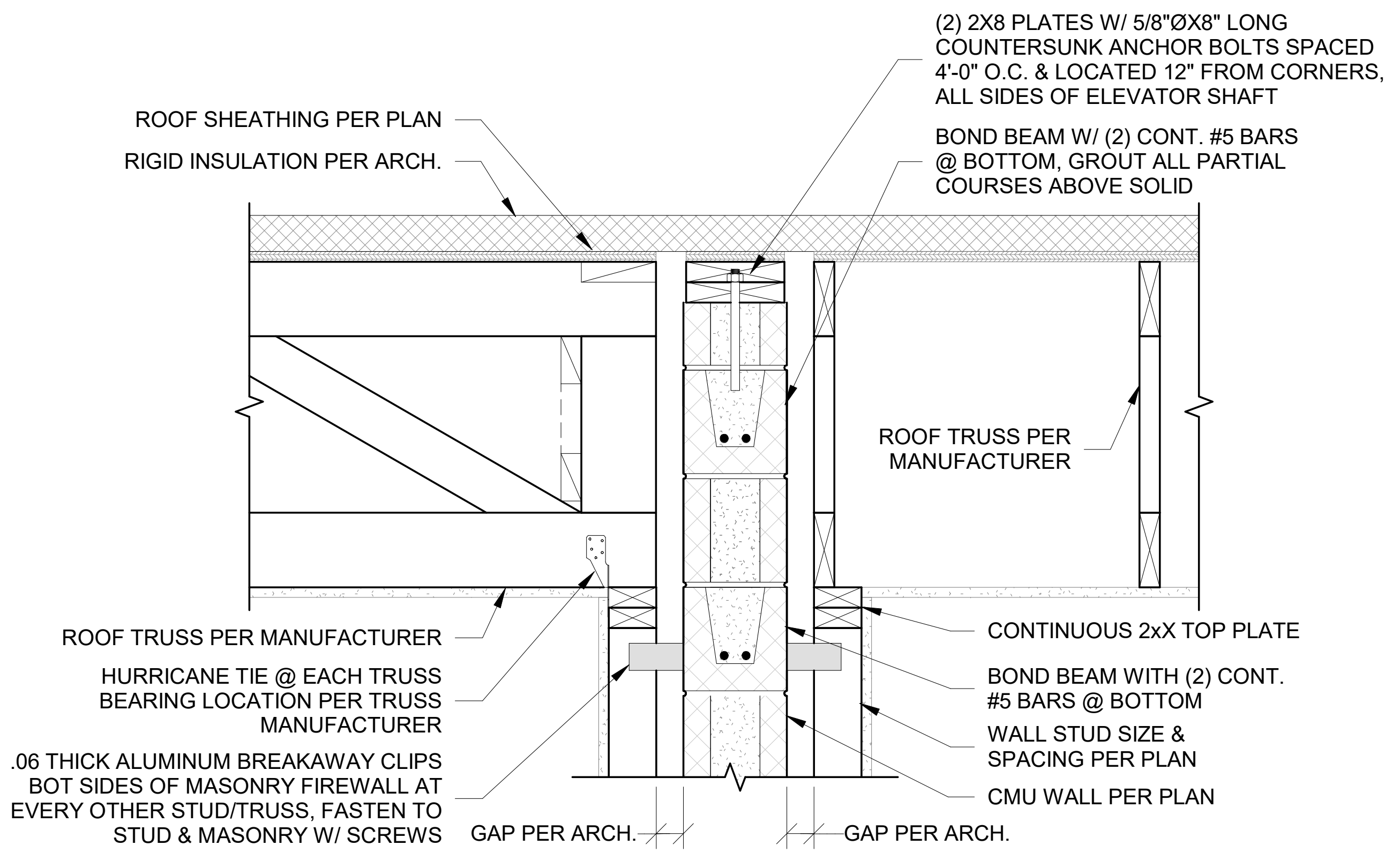
SHEET TITLE
WOOD ROOF FRAMING DETAILS

PROJECT NUMBER: 2023000333

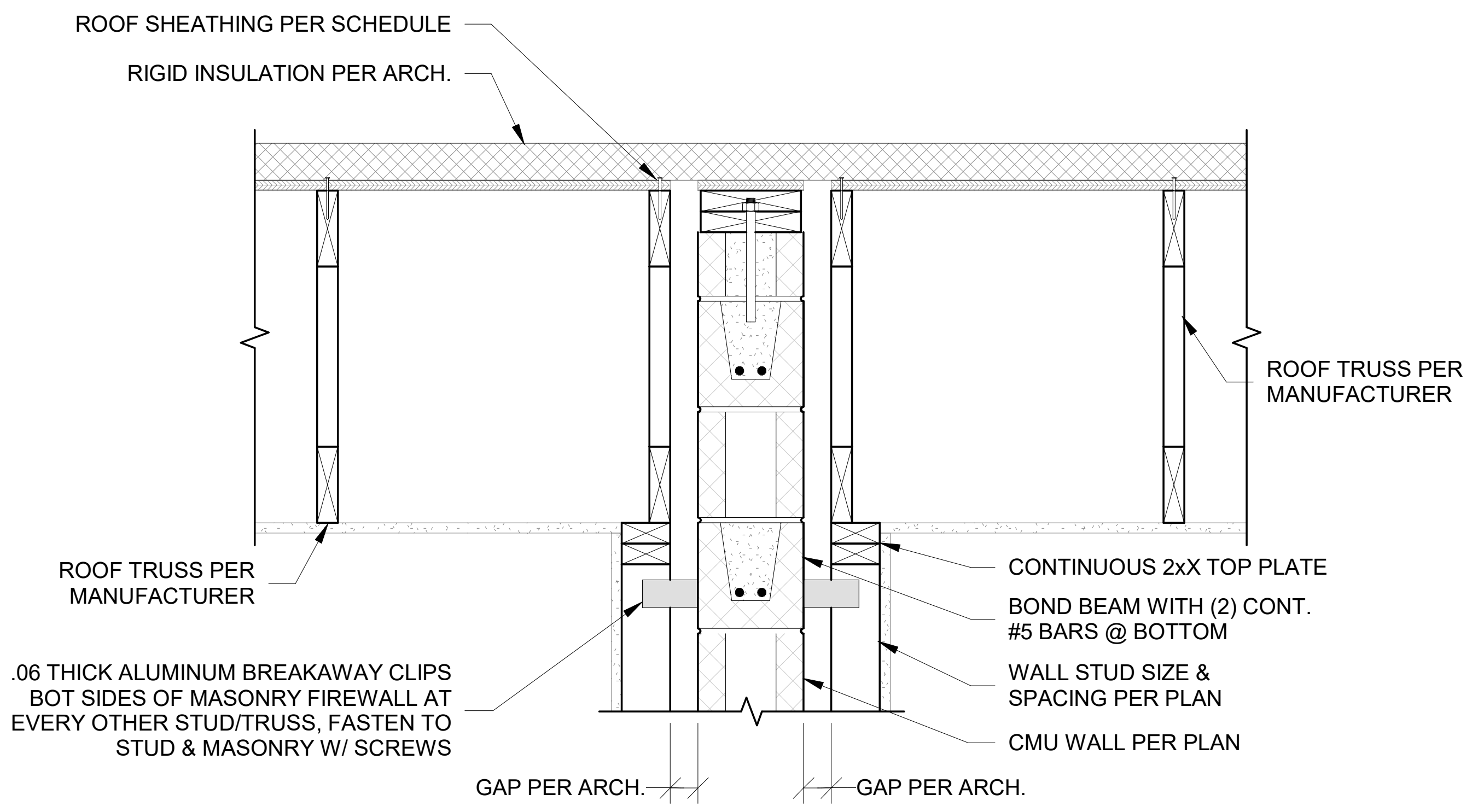
SHEET NUMBER:

S540

1
RENUMBERED SHEET (FORMERLY S520)

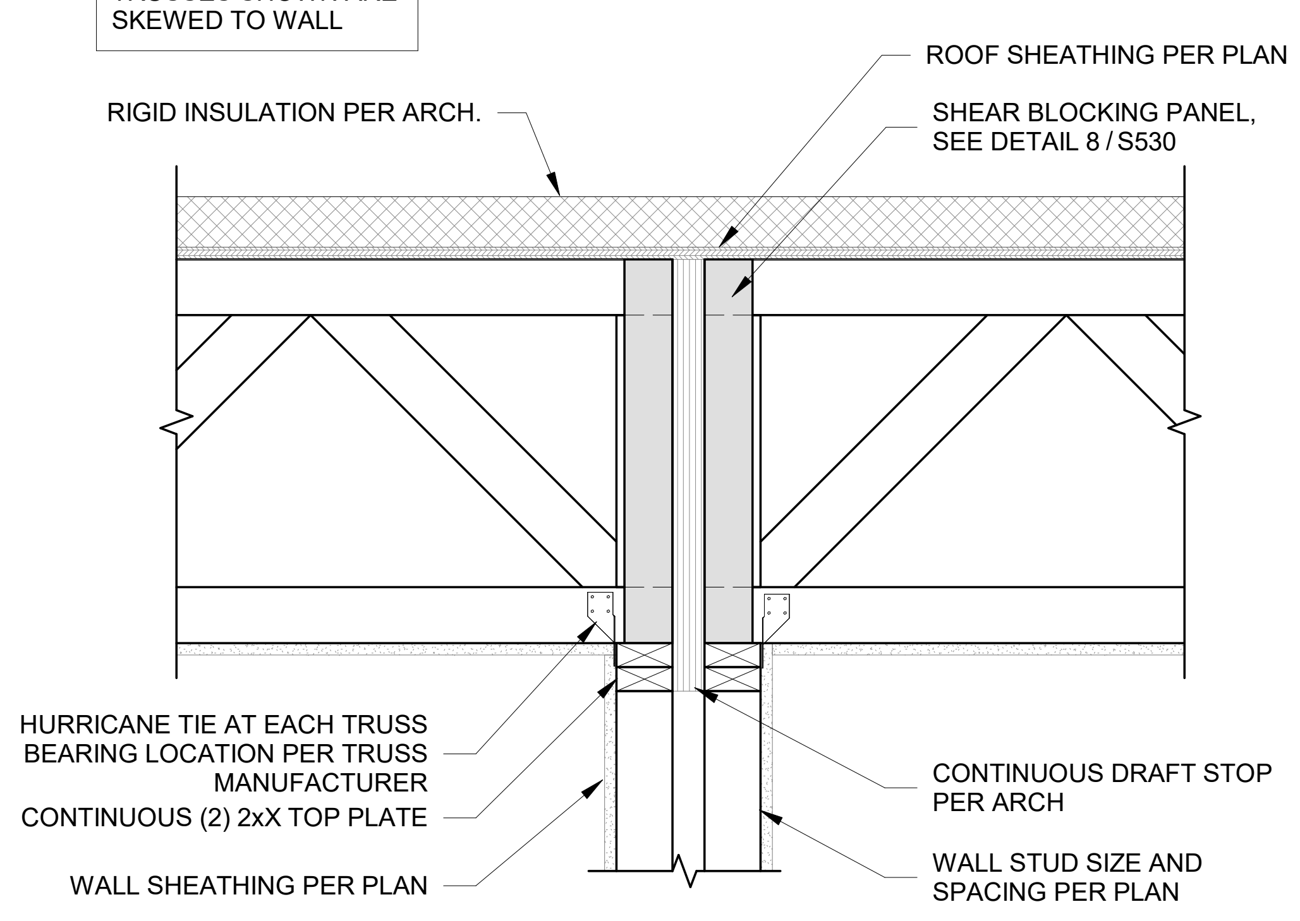

(2) 2X8 PLATES W/ 5/8"ØX8" LONG COUNTERSUNK ANCHOR BOLTS SPACED 4'-0" O.C. & LOCATED 12" FROM CORNERS, ALL SIDES OF ELEVATOR SHAFT
ROOF SHEATHING PER PLAN
RIGID INSULATION PER ARCH.
BOND BEAM W/ (2) CONT. #5 BARS @ BOTTOM, GROUT ALL PARTIAL COURSES ABOVE SOLID
ROOF TRUSS PER MANUFACTURER
ROOF TRUSS PER MANUFACTURER
CONTINUOUS 2xX TOP PLATE
HURRICANE TIE @ EACH TRUSS BEARING LOCATION PER TRUSS MANUFACTURER
BOND BEAM WITH (2) CONT. #5 BARS @ BOTTOM
WALL STUD SIZE & SPACING PER PLAN
.06 THICK ALUMINUM BREAKAWAY CLIPS BOT SIDES OF MASONRY FIREWALL AT EVERY OTHER STUD/TRUSS, FASTEN TO STUD & MASONRY W/ SCREWS
CMU WALL PER PLAN
GAP PER ARCH.
GAP PER ARCH.
1

1 S541 ROOF SECTION AT FIRE WALL - TRUSS TRANSITION
1" = 1'-0"

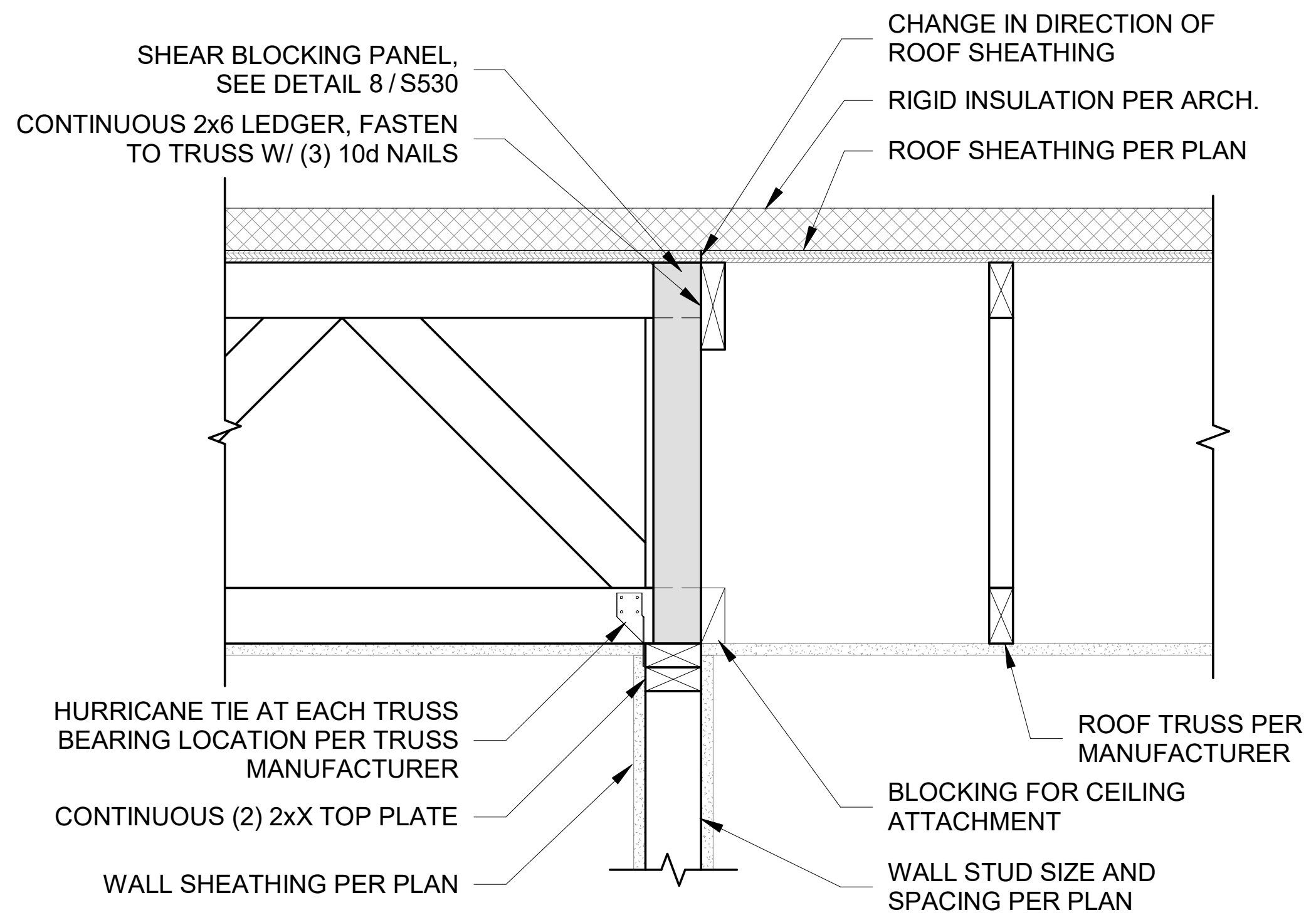

ROOF SHEATHING PER SCHEDULE
RIGID INSULATION PER ARCH.
ROOF TRUSS PER MANUFACTURER
ROOF TRUSS PER MANUFACTURER
CONTINUOUS 2xX TOP PLATE
BOND BEAM WITH (2) CONT. #5 BARS @ BOTTOM
.06 THICK ALUMINUM BREAKAWAY CLIPS BOT SIDES OF MASONRY FIREWALL AT EVERY OTHER STUD/TRUSS, FASTEN TO STUD & MASONRY W/ SCREWS
WALL STUD SIZE & SPACING PER PLAN
CMU WALL PER PLAN
GAP PER ARCH.
GAP PER ARCH.

2 S541 ROOF SECTION AT FIRE WALL - TRUSSES PARALLEL
1" = 1'-0"

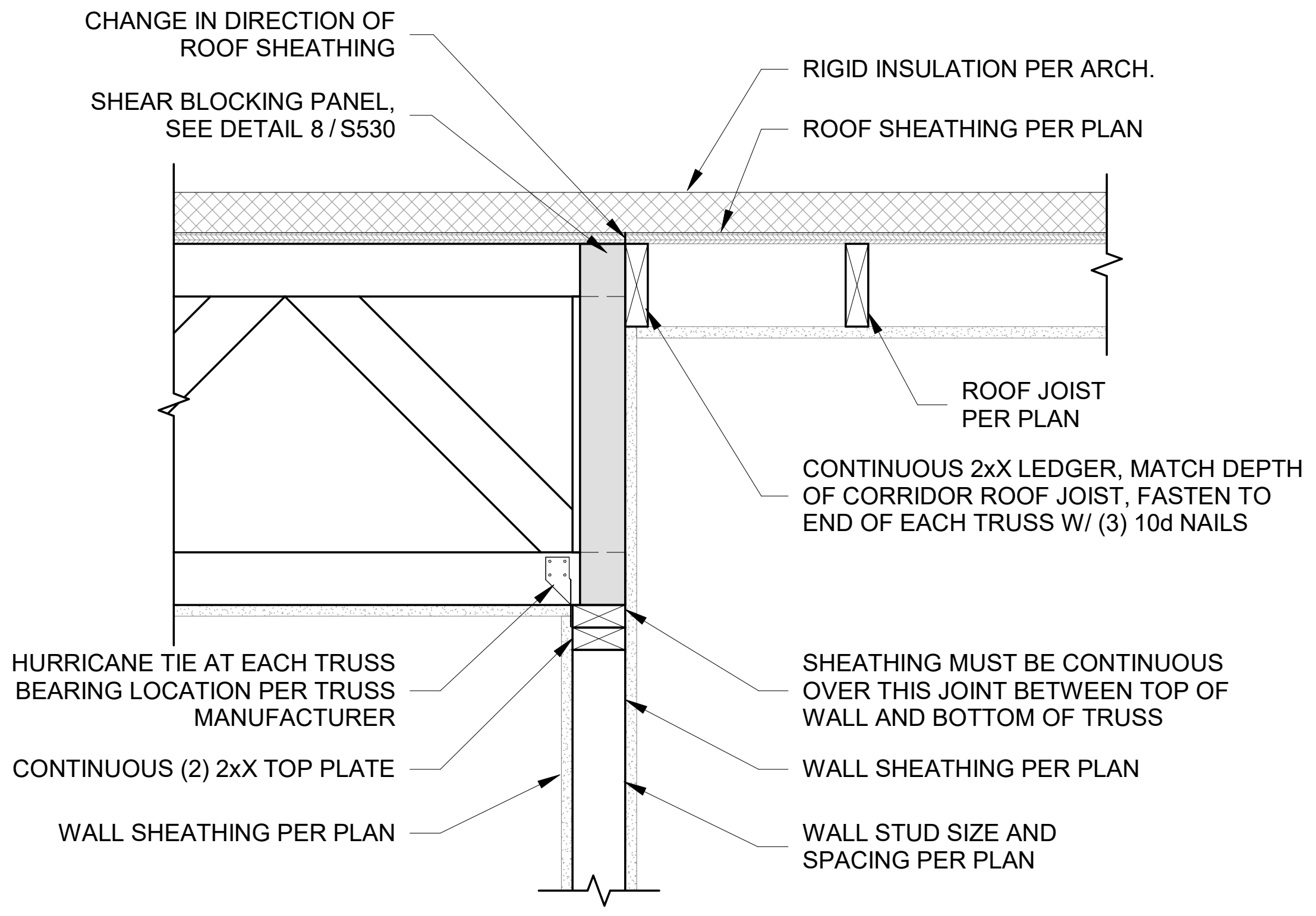
NOTES:
TRUSSES SHOWN ARE SKEWED TO WALL


RIGID INSULATION PER ARCH.
ROOF SHEATHING PER PLAN
SHEAR BLOCKING PANEL, SEE DETAIL 8 / S530
HURRICANE TIE AT EACH TRUSS BEARING LOCATION PER TRUSS MANUFACTURER
CONTINUOUS (2) 2xX TOP PLATE
CONTINUOUS DRAFT STOP PER ARCH
WALL SHEATHING PER PLAN
WALL STUD SIZE AND SPACING PER PLAN

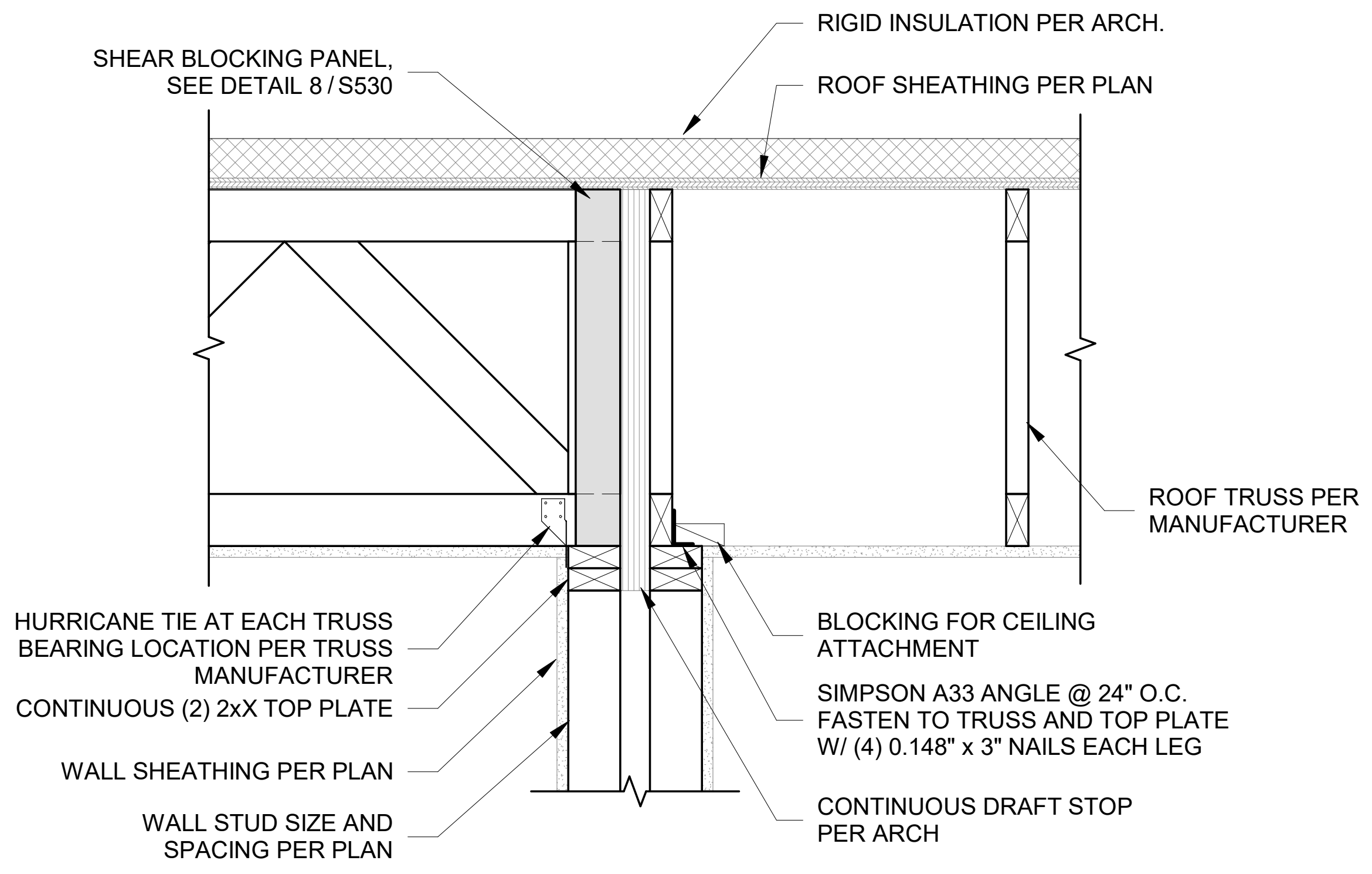
3 S541 ROOF TRUSS BEARING AT INTERIOR DEMISING WALL
1" = 1'-0"


SHEAR BLOCKING PANEL, SEE DETAIL 8 / S530
CHANGE IN DIRECTION OF ROOF SHEATHING
RIGID INSULATION PER ARCH.
CONTINUOUS 2x6 LEDGER, FASTEN TO TRUSS W/ (3) 10d NAILS
ROOF SHEATHING PER PLAN
HURRICANE TIE AT EACH TRUSS BEARING LOCATION PER TRUSS MANUFACTURER
ROOF TRUSS PER MANUFACTURER
BLOCKING FOR CEILING ATTACHMENT
CONTINUOUS (2) 2xX TOP PLATE
WALL SHEATHING PER PLAN
WALL STUD SIZE AND SPACING PER PLAN

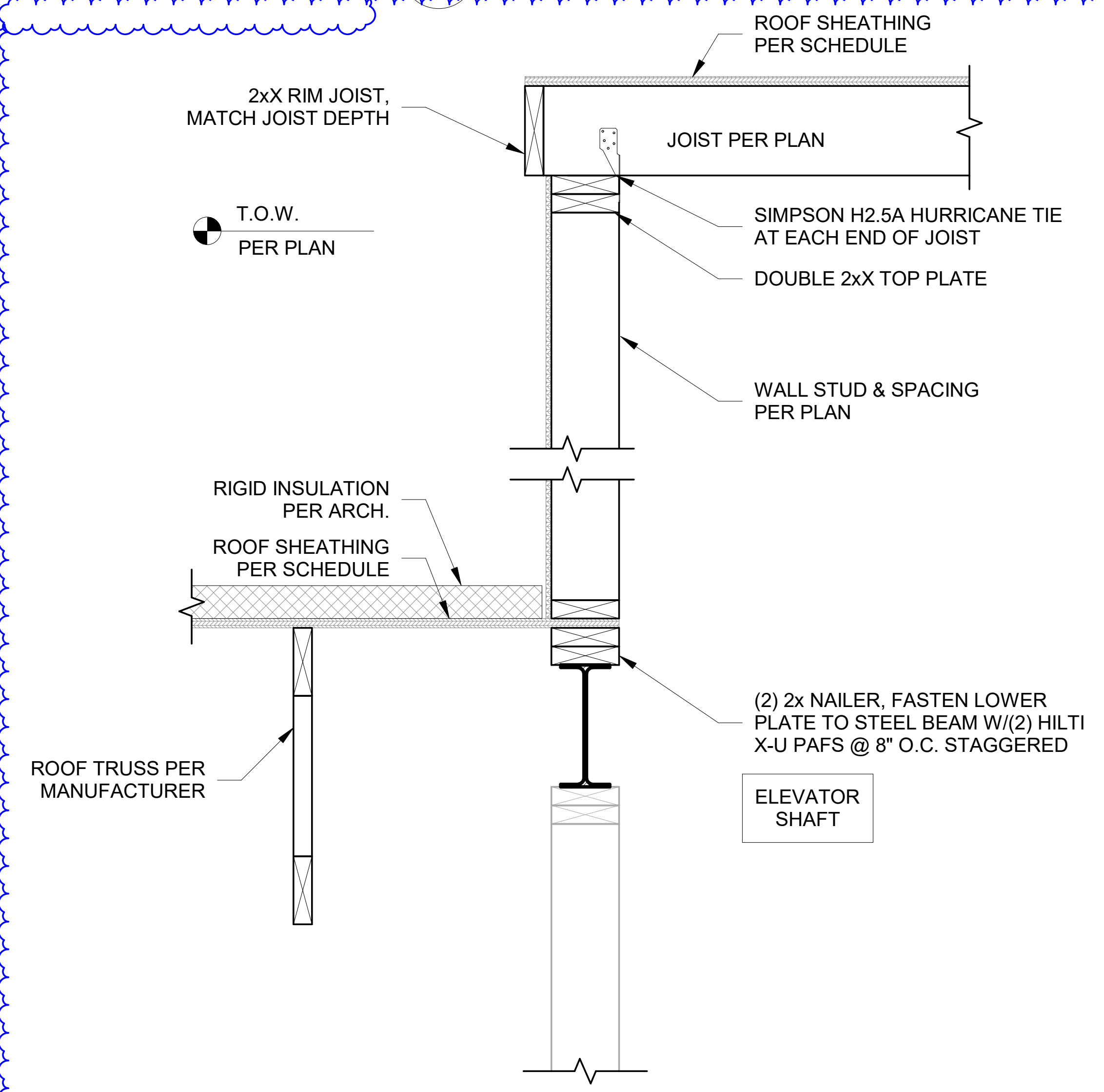
4 S541 ROOF TRUSS BEARING TRANSITION
1" = 1'-0"


CHANGE IN DIRECTION OF ROOF SHEATHING
RIGID INSULATION PER ARCH.
SHEAR BLOCKING PANEL, SEE DETAIL 8 / S530
ROOF SHEATHING PER PLAN
ROOF JOIST PER PLAN
CONTINUOUS 2xX LEDGER, MATCH DEPTH OF CORRIDOR ROOF JOIST, FASTEN TO END OF EACH TRUSS W/ (3) 10d NAILS
HURRICANE TIE AT EACH TRUSS BEARING LOCATION PER TRUSS MANUFACTURER
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS
CONTINUOUS (2) 2xX TOP PLATE
WALL SHEATHING PER PLAN
WALL SHEATHING PER PLAN
WALL STUD SIZE AND SPACING PER PLAN

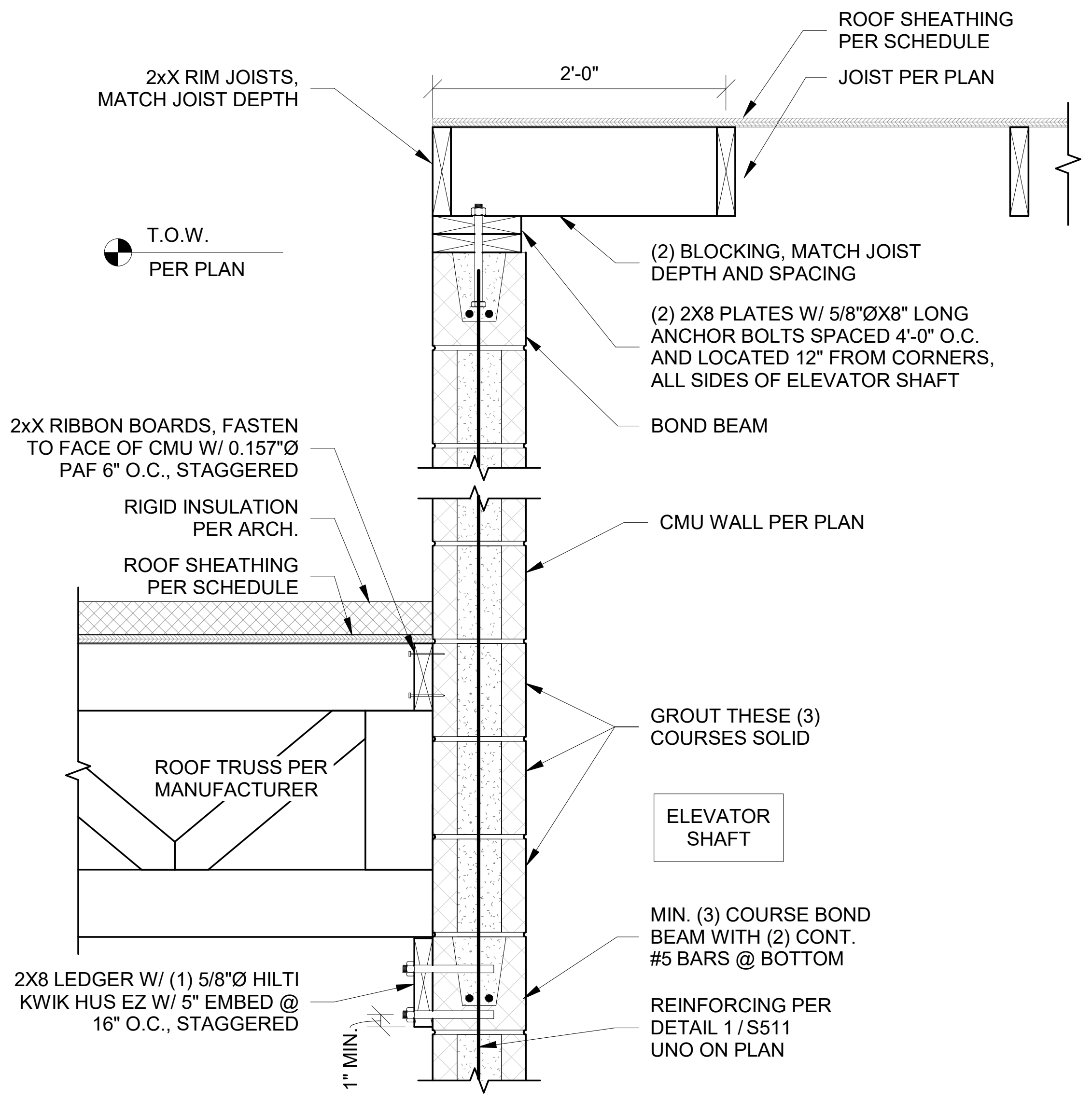
5 S541 ROOF TRUSS BEARING TRANSITION
1" = 1'-0"


SHEAR BLOCKING PANEL, SEE DETAIL 8 / S530
RIGID INSULATION PER ARCH.
ROOF SHEATHING PER PLAN
ROOF TRUSS PER MANUFACTURER
HURRICANE TIE AT EACH TRUSS BEARING LOCATION PER TRUSS MANUFACTURER
BLOCKING FOR CEILING ATTACHMENT
CONTINUOUS (2) 2xX TOP PLATE
SIMPSON A33 ANGLE @ 24" O.C. FASTEN TO TRUSS AND TOP PLATE W/ (4) 0.148" x 3" NAILS EACH LEG
WALL SHEATHING PER PLAN
WALL STUD SIZE AND SPACING PER PLAN
CONTINUOUS DRAFT STOP PER ARCH

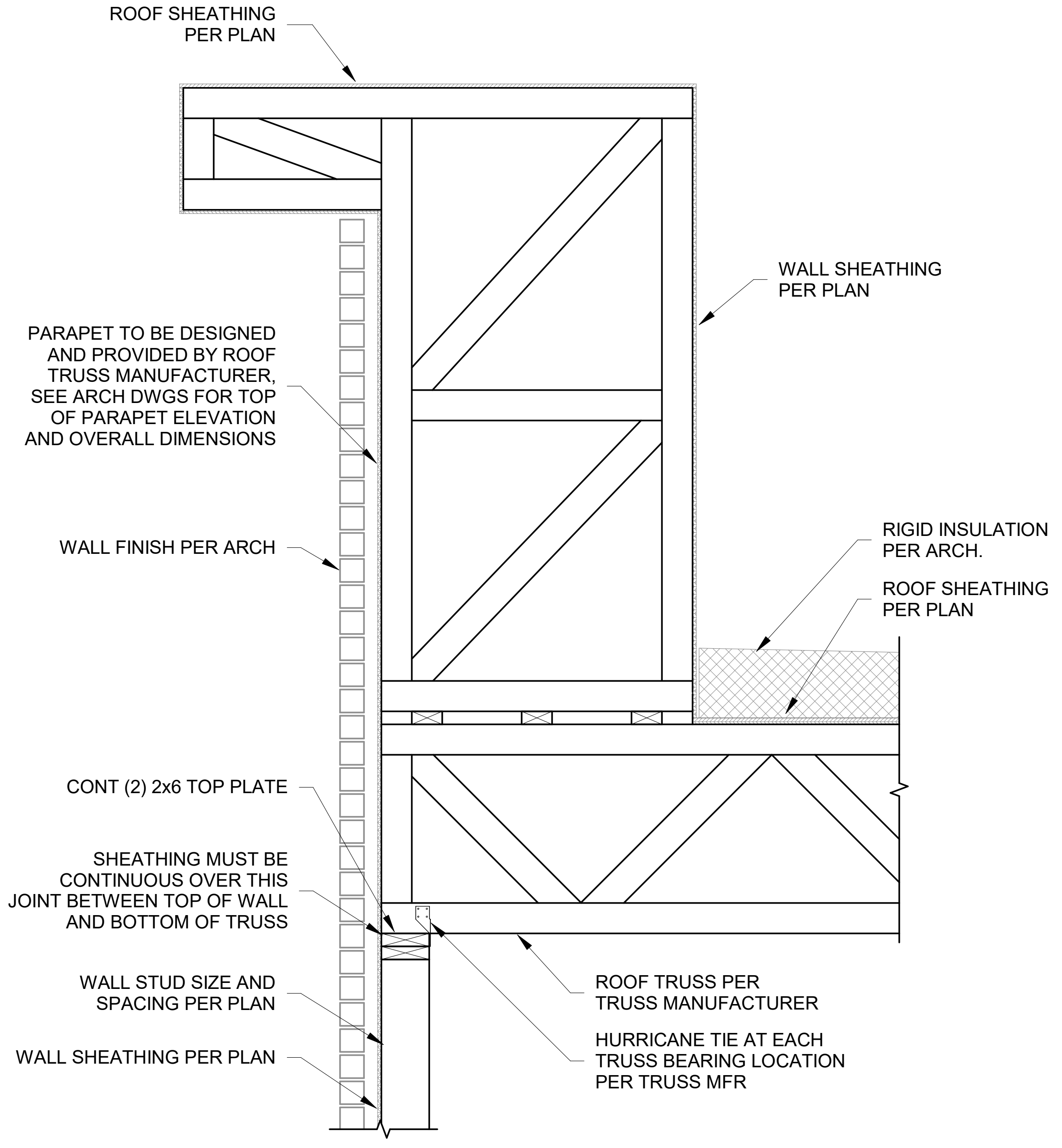
6 S541 ROOF TRUSS BEARING TRANSITION AT DEMISING WALL
1" = 1'-0"


ROOF SHEATHING PER SCHEDULE
2xX RIM JOIST, MATCH JOIST DEPTH
JOIST PER PLAN
T.O.W.
PER PLAN
SIMPSON H2.5A HURRICANE TIE AT EACH END OF JOIST
DOUBLE 2xX TOP PLATE
WALL STUD & SPACING PER PLAN
RIGID INSULATION PER ARCH.
ROOF SHEATHING PER SCHEDULE
(2) 2x NAILER, FASTEN LOWER PLATE TO STEEL BEAM W/(2) HILTI X-U PAFS @ 8" O.C. STAGGERED
ROOF TRUSS PER MANUFACTURER
ELEVATOR SHAFT
1

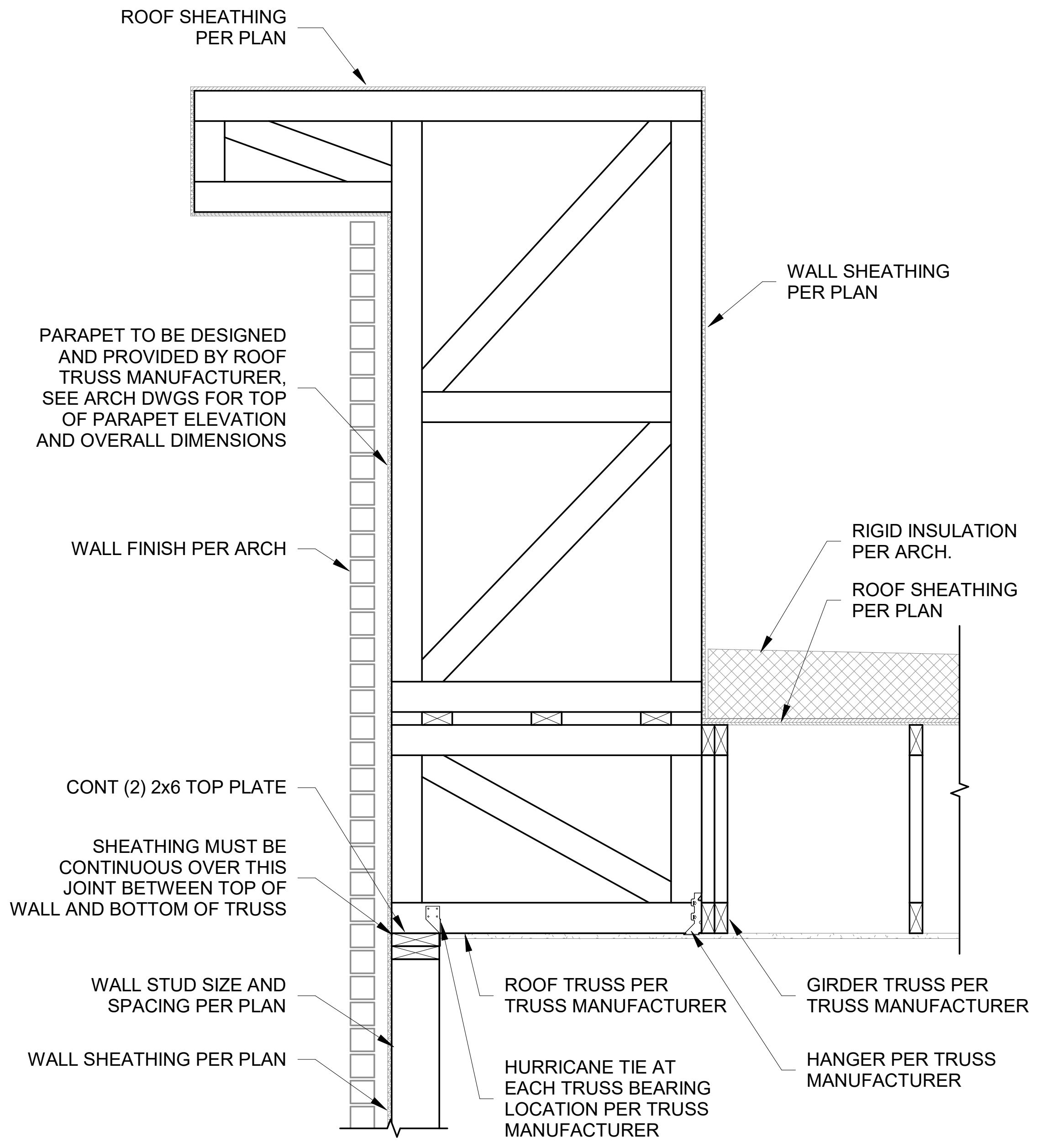
7 S541 SECTION AT ELEVATOR AT ROOF
1" = 1'-0"


ROOF SHEATHING PER SCHEDULE
2'-0"
2xX RIM JOISTS, MATCH JOIST DEPTH
JOIST PER PLAN
T.O.W.
PER PLAN
(2) BLOCKING, MATCH JOIST DEPTH AND SPACING
(2) 2X8 PLATES W/ 5/8"ØX8" LONG ANCHOR BOLTS SPACED 4'-0" O.C. AND LOCATED 12" FROM CORNERS, ALL SIDES OF ELEVATOR SHAFT
BOND BEAM
2xX RIBBON BOARDS, FASTEN TO FACE OF CMU W/ 0.157"Ø PAF 6" O.C., STAGGERED
RIGID INSULATION PER ARCH.
CMU WALL PER PLAN
ROOF SHEATHING PER SCHEDULE
GROUT THESE (3) COURSES SOLID
ROOF TRUSS PER MANUFACTURER
ELEVATOR SHAFT
MIN. (3) COURSE BOND BEAM WITH (2) CONT. #5 BARS @ BOTTOM
2X8 LEDGER W/ (1) 5/8"Ø HILTI KWIK HUS EZ W/ 5" EMBED @ 16" O.C., STAGGERED
REINFORCING PER DETAIL 1 / S511 UNO ON PLAN
1" MIN.

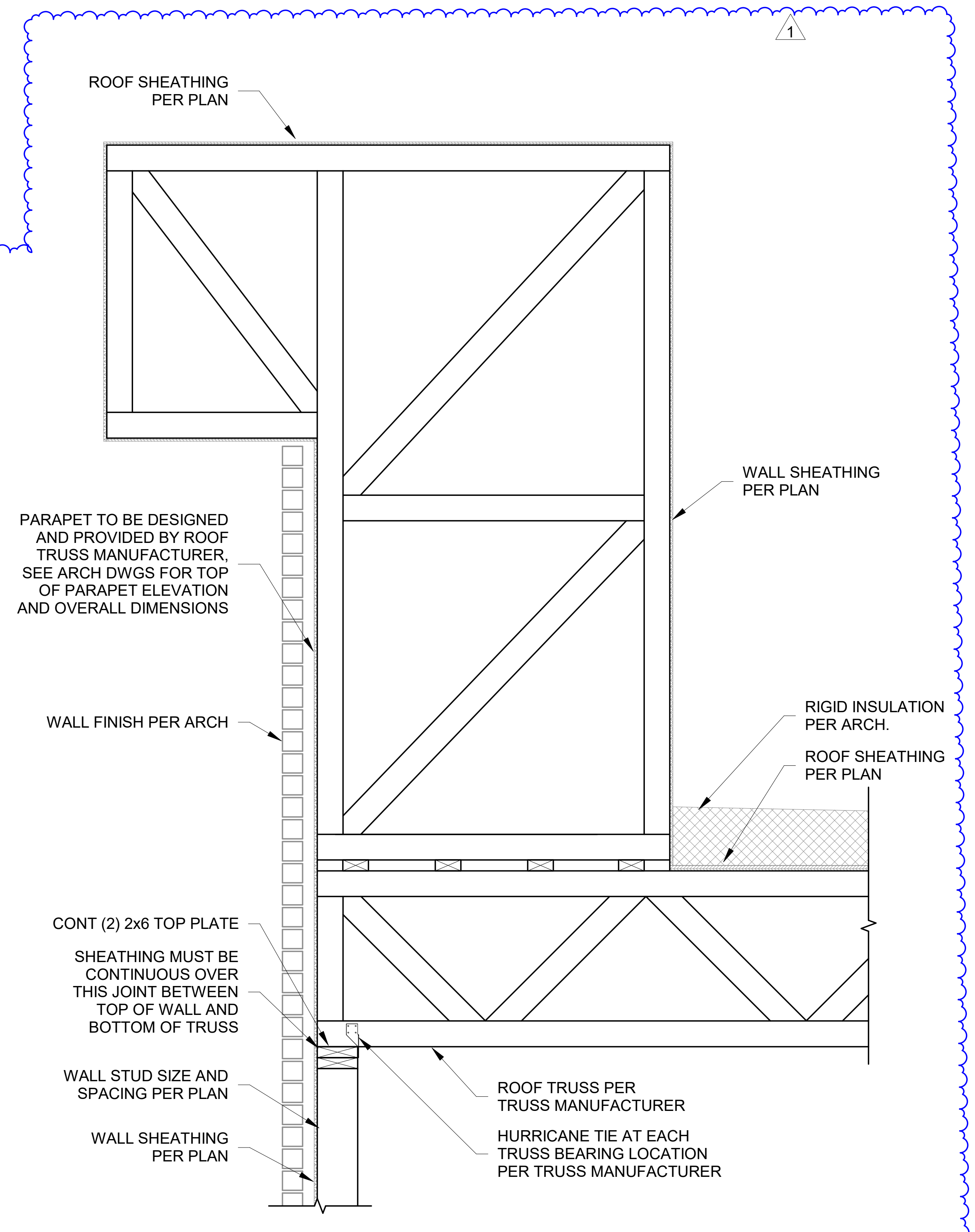
8 S541 SECTION AT ELEVATOR AT ROOF
1" = 1'-0"


ROOF SHEATHING PER PLAN
WALL SHEATHING PER PLAN
PARAPET TO BE DESIGNED AND PROVIDED BY ROOF TRUSS MANUFACTURER, SEE ARCH DWGS FOR TOP OF PARAPET ELEVATION AND OVERALL DIMENSIONS
RIGID INSULATION PER ARCH.
WALL FINISH PER ARCH
ROOF SHEATHING PER PLAN
CONT (2) 2x6 TOP PLATE
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS
WALL STUD SIZE AND SPACING PER PLAN
ROOF TRUSS PER TRUSS MANUFACTURER
WALL SHEATHING PER PLAN
HURRICANE TIE AT EACH TRUSS BEARING LOCATION PER TRUSS MFR

9A S541 SECTION AT BUILT-UP PARAPET
3/4" = 1'-0"


ROOF SHEATHING PER PLAN
WALL SHEATHING PER PLAN
PARAPET TO BE DESIGNED AND PROVIDED BY ROOF TRUSS MANUFACTURER, SEE ARCH DWGS FOR TOP OF PARAPET ELEVATION AND OVERALL DIMENSIONS
RIGID INSULATION PER ARCH.
WALL FINISH PER ARCH
ROOF SHEATHING PER PLAN
CONT (2) 2x6 TOP PLATE
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS
WALL STUD SIZE AND SPACING PER PLAN
ROOF TRUSS PER TRUSS MANUFACTURER
GIRDER TRUSS PER TRUSS MANUFACTURER
WALL SHEATHING PER PLAN
HURRICANE TIE AT EACH TRUSS BEARING LOCATION PER TRUSS MANUFACTURER
HANGER PER TRUSS MANUFACTURER

9B S541 SECTION AT BUILT-UP PARAPET PERP TO TRUSSES
3/4" = 1'-0"


1
ROOF SHEATHING PER PLAN
WALL SHEATHING PER PLAN
PARAPET TO BE DESIGNED AND PROVIDED BY ROOF TRUSS MANUFACTURER, SEE ARCH DWGS FOR TOP OF PARAPET ELEVATION AND OVERALL DIMENSIONS
WALL FINISH PER ARCH
RIGID INSULATION PER ARCH.
ROOF SHEATHING PER PLAN
CONT (2) 2x6 TOP PLATE
SHEATHING MUST BE CONTINUOUS OVER THIS JOINT BETWEEN TOP OF WALL AND BOTTOM OF TRUSS
WALL STUD SIZE AND SPACING PER PLAN
ROOF TRUSS PER TRUSS MANUFACTURER
WALL SHEATHING PER PLAN
HURRICANE TIE AT EACH TRUSS BEARING LOCATION PER TRUSS MANUFACTURER

10 S541 SECTION AT BUILT-UP PARAPET GRID 21
3/4" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/2024	Addendum #1
2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

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

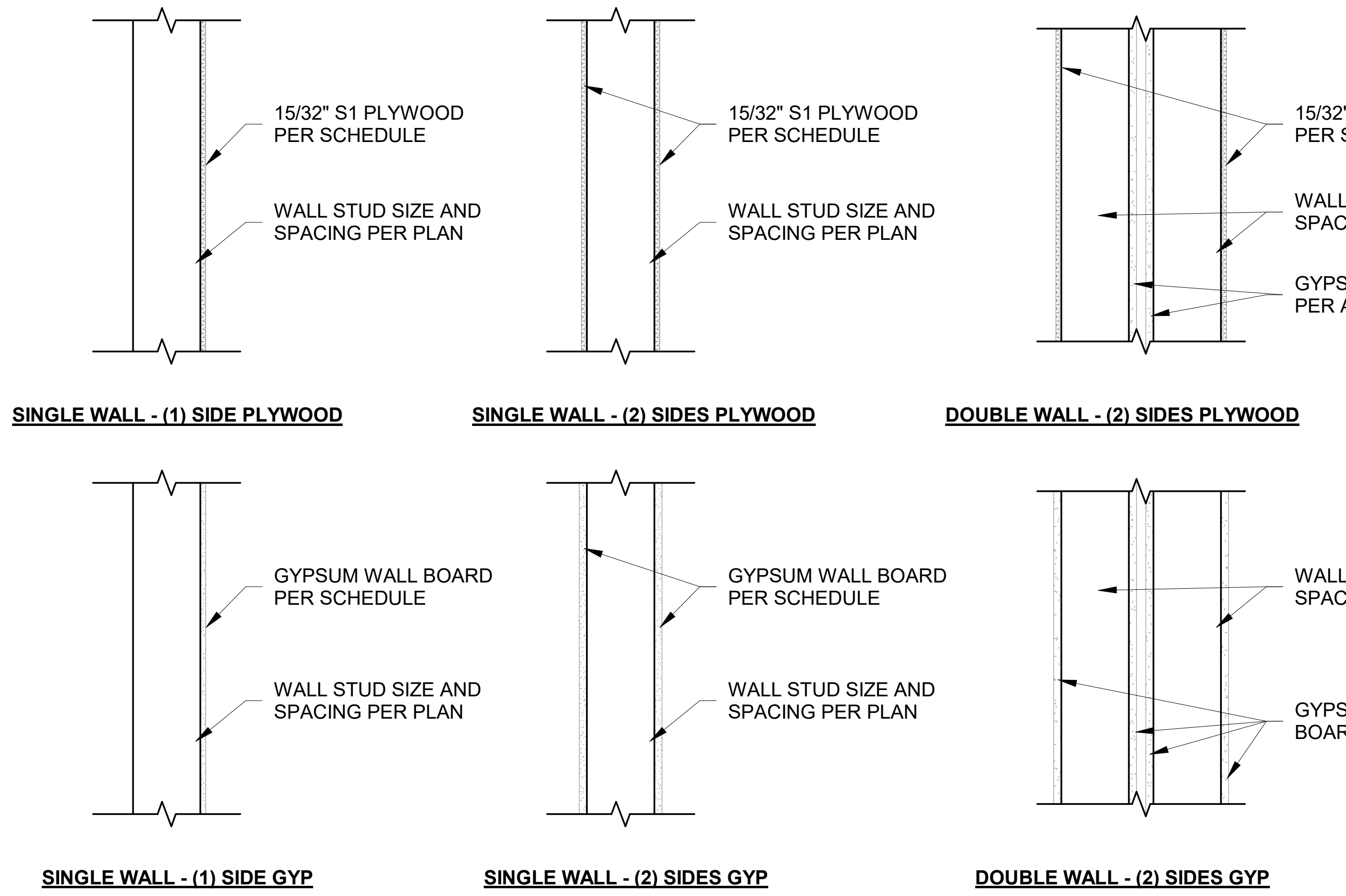
THE VILLAGE AT DISCOVERY - LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
WOOD ROOF FRAMING DETAILS

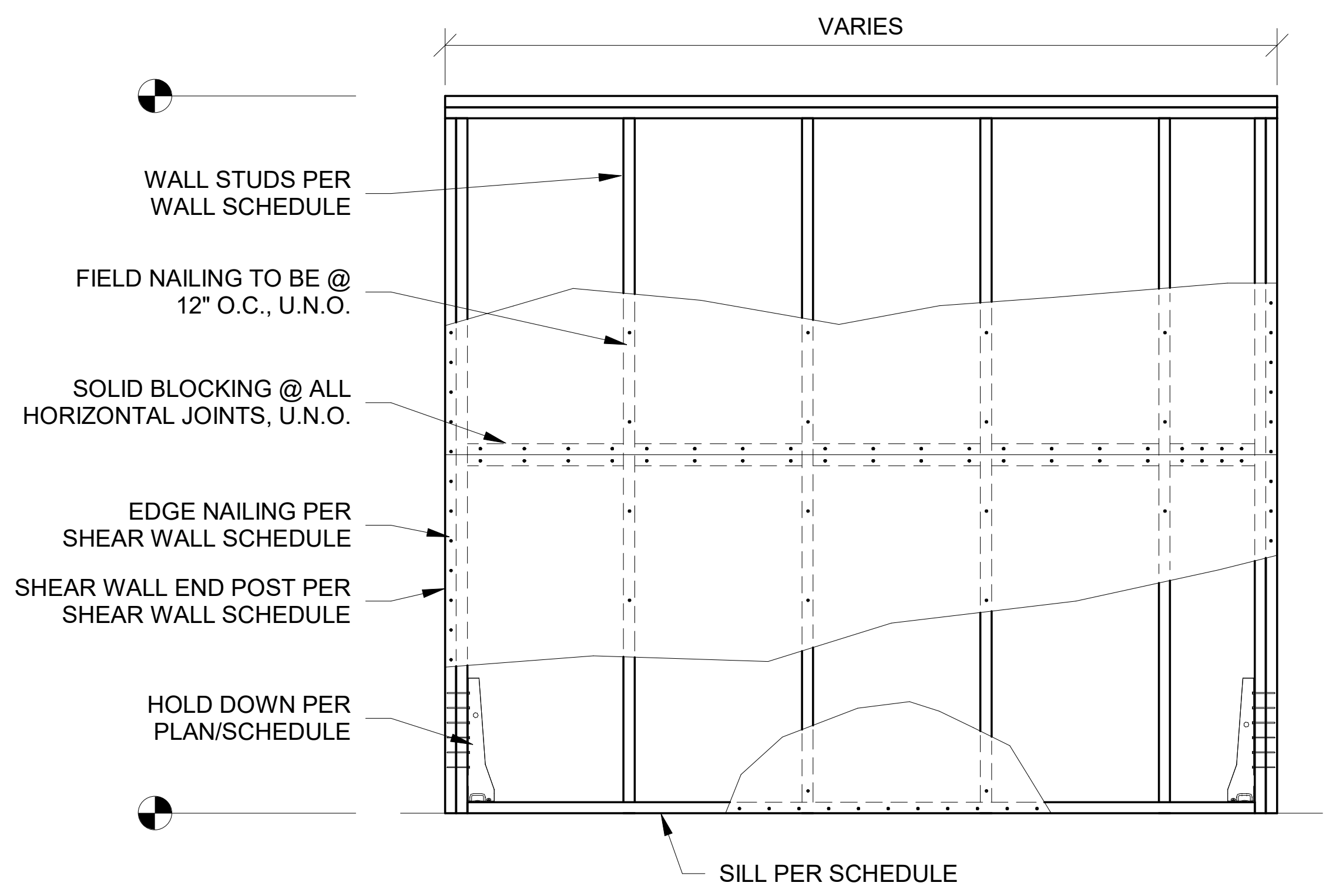
PROJECT NUMBER: 2023000333

SHEET NUMBER:
S541
RENUMBERED SHEET (FORMERLY S520)
1

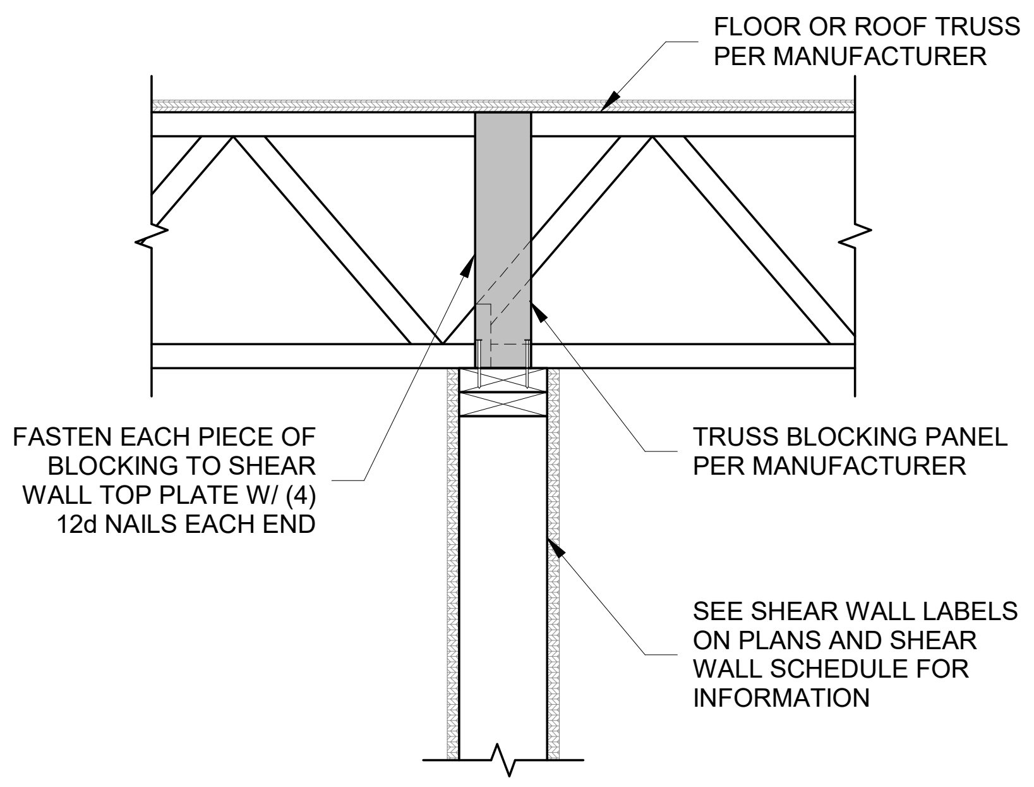
12/24/2024 5:56:40 PM
Autodesk Docs://2023000333 - Discovery Park Lee's Summit/2023000333 - Rosemann - Lot 4_R23.rvt


15/32" S1 PLYWOOD PER SCHEDULE
WALL STUD SIZE AND SPACING PER PLAN
15/32" S1 PLYWOOD PER SCHEDULE
WALL STUD SIZE AND SPACING PER PLAN
15/32" S1 PLYWOOD PER SCHEDULE
WALL STUD SIZE AND SPACING PER PLAN
GYPSUM WALL BOARD PER ARCH.
SINGLE WALL - (1) SIDE PLYWOOD
SINGLE WALL - (2) SIDES PLYWOOD
DOUBLE WALL - (2) SIDES PLYWOOD
GYPSUM WALL BOARD PER SCHEDULE
WALL STUD SIZE AND SPACING PER PLAN
GYPSUM WALL BOARD PER SCHEDULE
WALL STUD SIZE AND SPACING PER PLAN
WALL STUD SIZE AND SPACING PER PLAN
GYPSUM WALL BOARD PER ARCH.
SINGLE WALL - (1) SIDE GYP
SINGLE WALL - (2) SIDES GYP
DOUBLE WALL - (2) SIDES GYP

1 TYPICAL SHEARWALL SECTIONS
S550 1" = 1'-0"

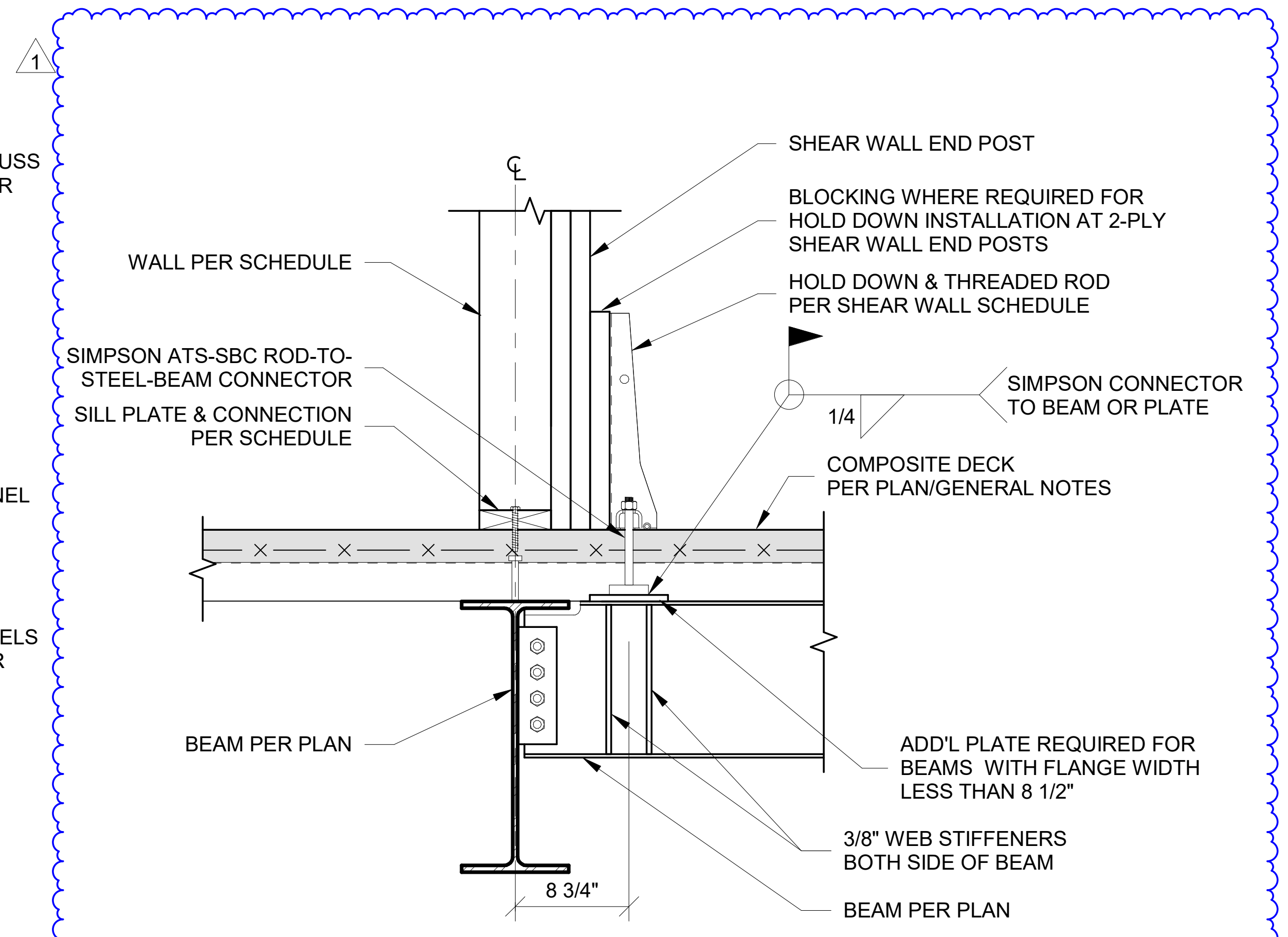

VARIES
WALL STUDS PER WALL SCHEDULE
FIELD NAILING TO BE @ 12" O.C., U.N.O.
SOLID BLOCKING @ ALL HORIZONTAL JOINTS, U.N.O.
EDGE NAILING PER SHEAR WALL SCHEDULE
SHEAR WALL END POST PER SHEAR WALL SCHEDULE
HOLD DOWN PER PLAN/SCHEDULE
SILL PER SCHEDULE

2 SHEAR WALL NAILING
S550 1/2" = 1'-0"

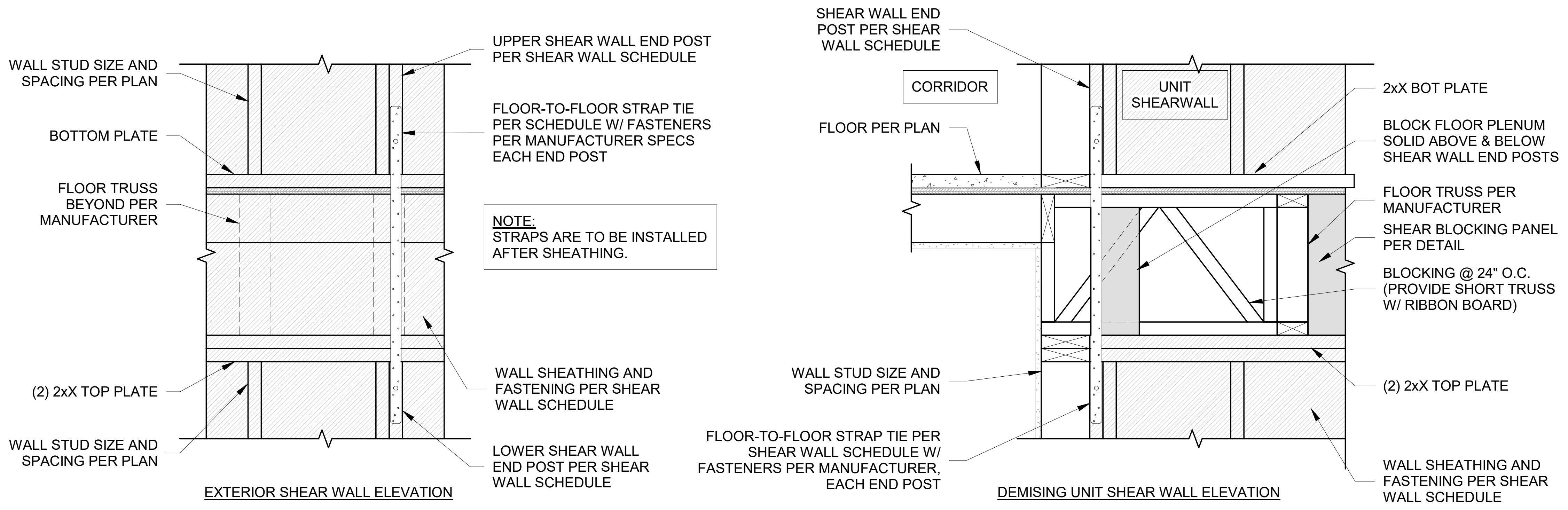

FLOOR OR ROOF TRUSS PER MANUFACTURER
FASTEN EACH PIECE OF BLOCKING TO SHEAR WALL TOP PLATE W/ (4) 12d NAILS EACH END
TRUSS BLOCKING PANEL PER MANUFACTURER
SEE SHEAR WALL LABELS ON PLANS AND SHEAR WALL SCHEDULE FOR INFORMATION

NOTE:
ALL TRUSSES AND TRUSS BLOCKING PANELS ABOVE SHEAR WALLS TO TRANSFER LOAD PER DRAG TRUSS DESIGN LOAD SCHEDULE

3 SHEAR WALL FASTENING TO TRUSS
S550 1" = 1'-0"

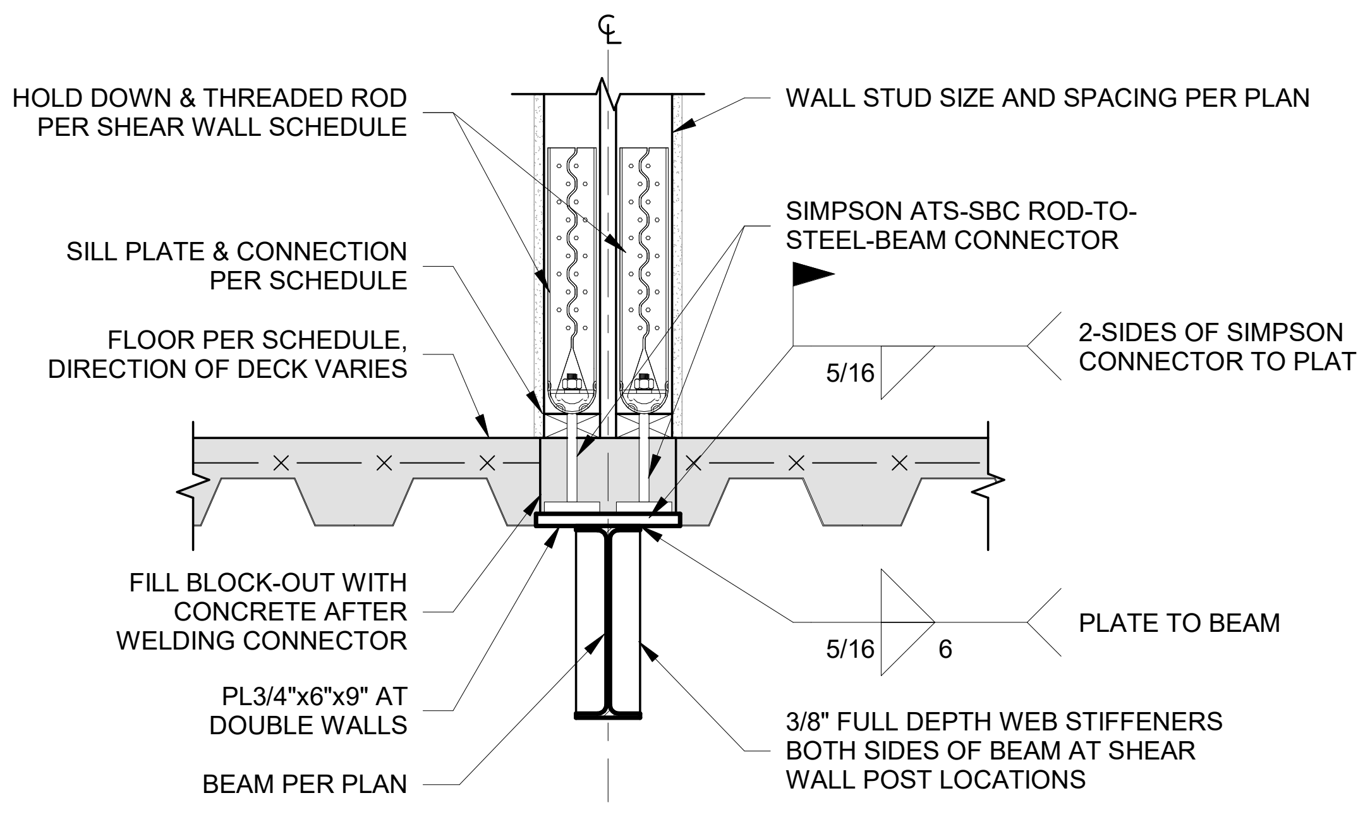

1
℄
SHEAR WALL END POST
BLOCKING WHERE REQUIRED FOR HOLD DOWN INSTALLATION AT 2-PLY SHEAR WALL END POSTS
WALL PER SCHEDULE
HOLD DOWN & THREADED ROD PER SHEAR WALL SCHEDULE
SIMPSON ATS-SBC ROD-TO-STEEL-BEAM CONNECTOR
SILL PLATE & CONNECTION PER SCHEDULE
1/4
SIMPSON CONNECTOR TO BEAM OR PLATE
COMPOSITE DECK PER PLAN/GENERAL NOTES
BEAM PER PLAN
ADD'L PLATE REQUIRED FOR BEAMS WITH FLANGE WIDTH LESS THAN 8 1/2"
3/8" WEB STIFFENERS BOTH SIDE OF BEAM
8 3/4"
BEAM PER PLAN

4 SHEAR WALL HOLD DOWN AT STEEL BEAM
S550 1" = 1'-0"


WALL STUD SIZE AND SPACING PER PLAN
UPPER SHEAR WALL END POST PER SHEAR WALL SCHEDULE
BOTTOM PLATE
FLOOR-TO-FLOOR STRAP TIE PER SCHEDULE W/ FASTENERS PER MANUFACTURER SPECS EACH END POST
FLOOR TRUSS BEYOND PER MANUFACTURER
(2) 2xX TOP PLATE
WALL SHEATHING AND FASTENING PER SHEAR WALL SCHEDULE
WALL STUD SIZE AND SPACING PER PLAN
LOWER SHEAR WALL END POST PER SHEAR WALL SCHEDULE
EXTERIOR SHEAR WALL ELEVATION
SHEAR WALL END POST PER SHEAR WALL SCHEDULE
CORRIDOR
UNIT SHEARWALL
FLOOR PER PLAN
2xX BOT PLATE
BLOCK FLOOR PLENUM SOLID ABOVE & BELOW SHEAR WALL END POSTS
FLOOR TRUSS PER MANUFACTURER
SHEAR BLOCKING PANEL PER DETAIL
BLOCKING @ 24" O.C. (PROVIDE SHORT TRUSS W/ RIBBON BOARD)
WALL STUD SIZE AND SPACING PER PLAN
(2) 2xX TOP PLATE
FLOOR-TO-FLOOR STRAP TIE PER SHEAR WALL SCHEDULE W/ FASTENERS PER MANUFACTURER, EACH END POST
WALL SHEATHING AND FASTENING PER SHEAR WALL SCHEDULE
DEMISING UNIT SHEAR WALL ELEVATION

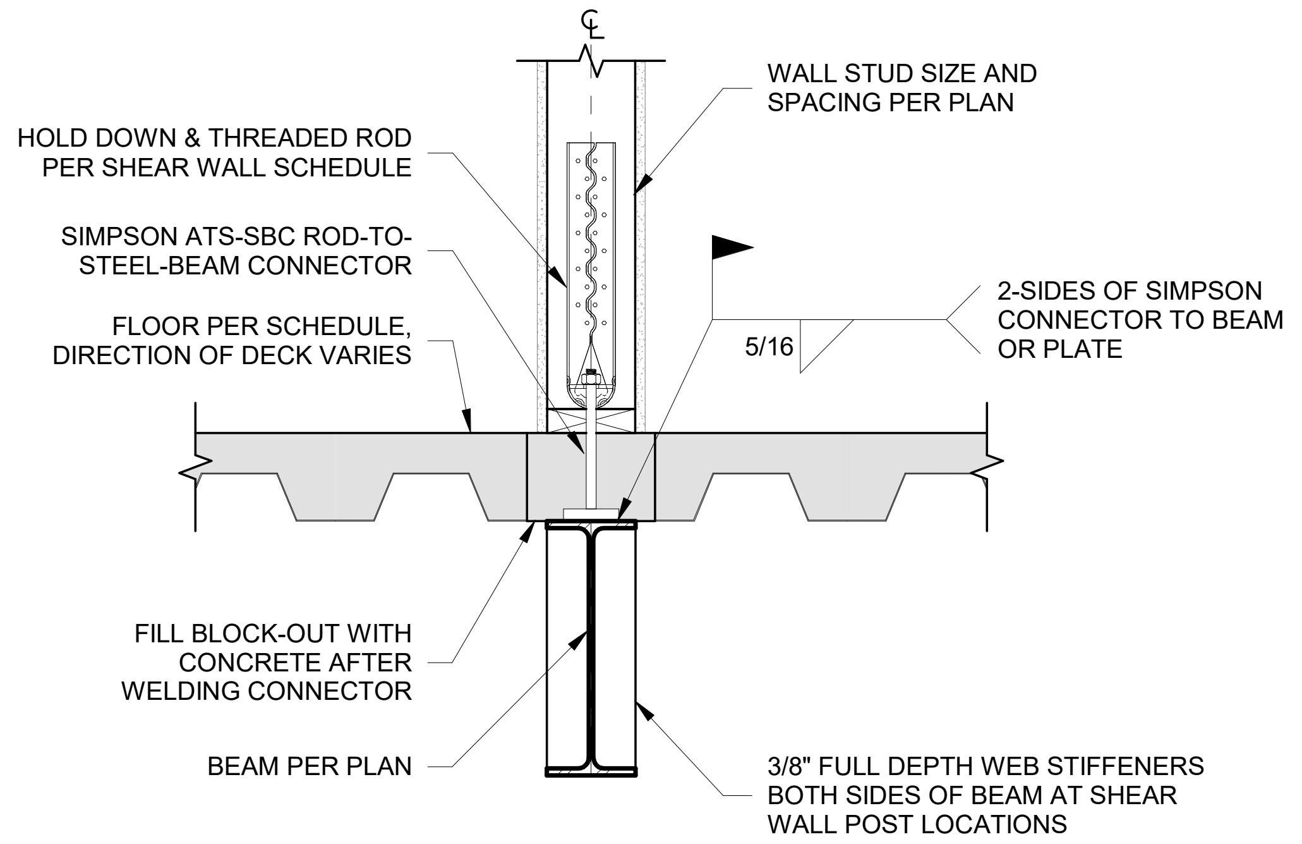
NOTE:
STRAPS ARE TO BE INSTALLED AFTER SHEATHING.

5 FLOOR-TO-FLOOR STRAP TIE
S550 1" = 1'-0"


℄
HOLD DOWN & THREADED ROD PER SHEAR WALL SCHEDULE
WALL STUD SIZE AND SPACING PER PLAN
SILL PLATE & CONNECTION PER SCHEDULE
SIMPSON ATS-SBC ROD-TO-STEEL-BEAM CONNECTOR
FLOOR PER SCHEDULE, DIRECTION OF DECK VARIES
5/16
2-SIDES OF SIMPSON CONNECTOR TO PLATE
FILL BLOCK-OUT WITH CONCRETE AFTER WELDING CONNECTOR
5/16
6
PLATE TO BEAM
PL3/4"x6"x9" AT DOUBLE WALLS
BEAM PER PLAN
3/8" FULL DEPTH WEB STIFFENERS BOTH SIDES OF BEAM AT SHEAR WALL POST LOCATIONS

NOTE:
SEE LEVEL 2 FRAMING PLAN FOR HOLD DOWN LOCATIONS. WELD SIMPSON ATS-SBC ROD-TO-STEEL-BEAM CONNECTORS TO BEAM AND INSTALL ROD BEFORE PLACING CONCRETE, OR BLOCK OUT SLAB FOR LATER INSTALLATION.

6 DEMISING WALL SHEAR WALL HOLD DOWN AT STEEL BEAMS
S550 1" = 1'-0"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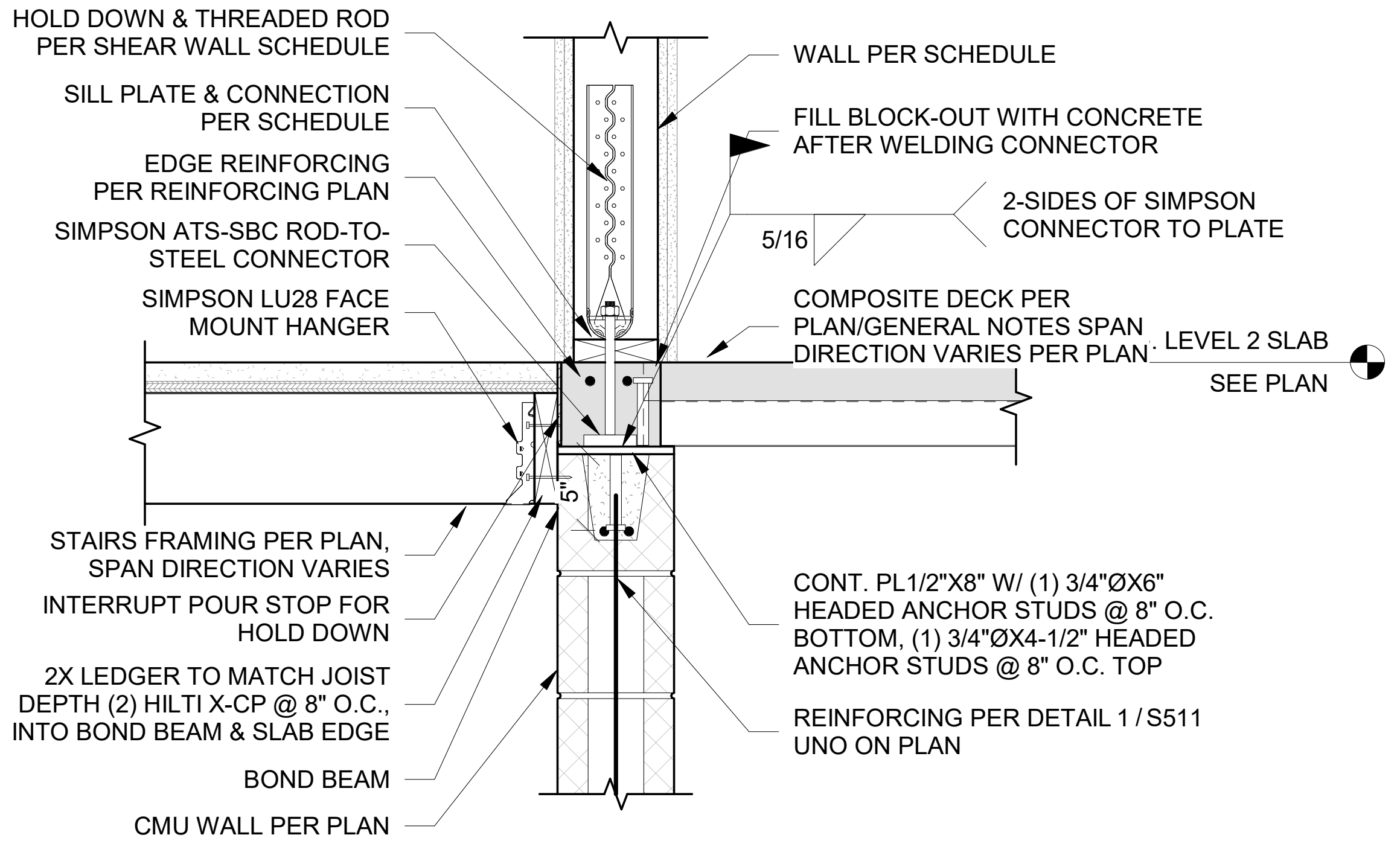
HOLD DOWN & THREADED ROD PER SHEAR WALL SCHEDULE
WALL STUD SIZE AND SPACING PER PLAN
SIMPSON ATS-SBC ROD-TO-STEEL-BEAM CONNECTOR
FLOOR PER SCHEDULE, DIRECTION OF DECK VARIES
5/16
2-SIDES OF SIMPSON CONNECTOR TO BEAM OR PLATE
FILL BLOCK-OUT WITH CONCRETE AFTER WELDING CONNECTOR
BEAM PER PLAN
3/8" FULL DEPTH WEB STIFFENERS BOTH SIDES OF BEAM AT SHEAR WALL POST LOCATIONS

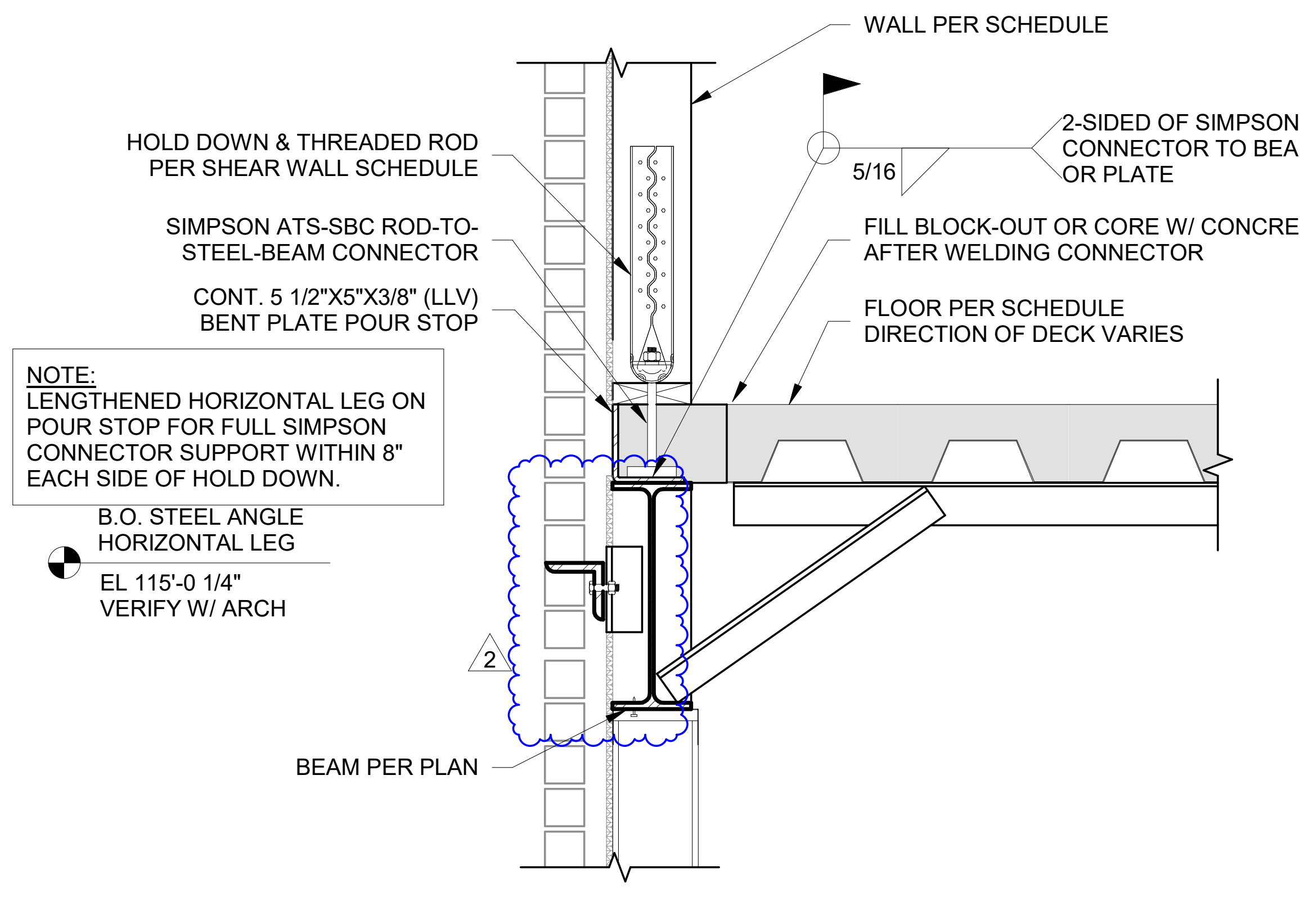
NOTE:
SEE LEVEL 2 FRAMING PLAN FOR HOLD DOWN LOCATIONS. WELD SIMPSON ATS-SBC ROD-TO-STEEL-BEAM CONNECTORS TO BEAM AND INSTALL ROD BEFORE PLACING CONCRETE, OR BLOCK OUT SLAB FOR LATER INSTALLATION.

7 SHEAR WALL HOLD DOWN AT STEEL BEAM
S550 1" = 1'-0"


HOLD DOWN & THREADED ROD PER SHEAR WALL SCHEDULE
WALL PER SCHEDULE
SILL PLATE & CONNECTION PER SCHEDULE
FILL BLOCK-OUT WITH CONCRETE AFTER WELDING CONNECTOR
EDGE REINFORCING PER REINFORCING PLAN
5/16
2-SIDES OF SIMPSON CONNECTOR TO PLATE
SIMPSON ATS-SBC ROD-TO-STEEL CONNECTOR
SIMPSON LU28 FACE MOUNT HANGER
COMPOSITE DECK PER PLAN/GENERAL NOTES SPAN DIRECTION VARIES PER PLAN
LEVEL 2 SLAB
SEE PLAN
STAIRS FRAMING PER PLAN, SPAN DIRECTION VARIES
INTERRUPT POUR STOP FOR HOLD DOWN
CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. BOTTOM, (1) 3/4"ØX4-1/2" HEADED ANCHOR STUDS @ 8" O.C. TOP
2X LEDGER TO MATCH JOIST DEPTH (2) HILTI X-CP @ 8" O.C., INTO BOND BEAM & SLAB EDGE
REINFORCING PER DETAIL 1 / S511 UNO ON PLAN
BOND BEAM
CMU WALL PER PLAN

NOTE:
SEE LEVEL 2 FRAMING PLAN FOR HOLD DOWN LOCATIONS. WELD SIMPSON ATS-SBC ROD-TO-STEEL-BEAM CONNECTORS TO BEAM AND INSTALL ROD BEFORE PLACING CONCRETE, OR BLOCK OUT SLAB FOR LATER INSTALLATION.

8 SHEAR WALL HOLD DOWN AT CMU
S550 1" = 1'-0"

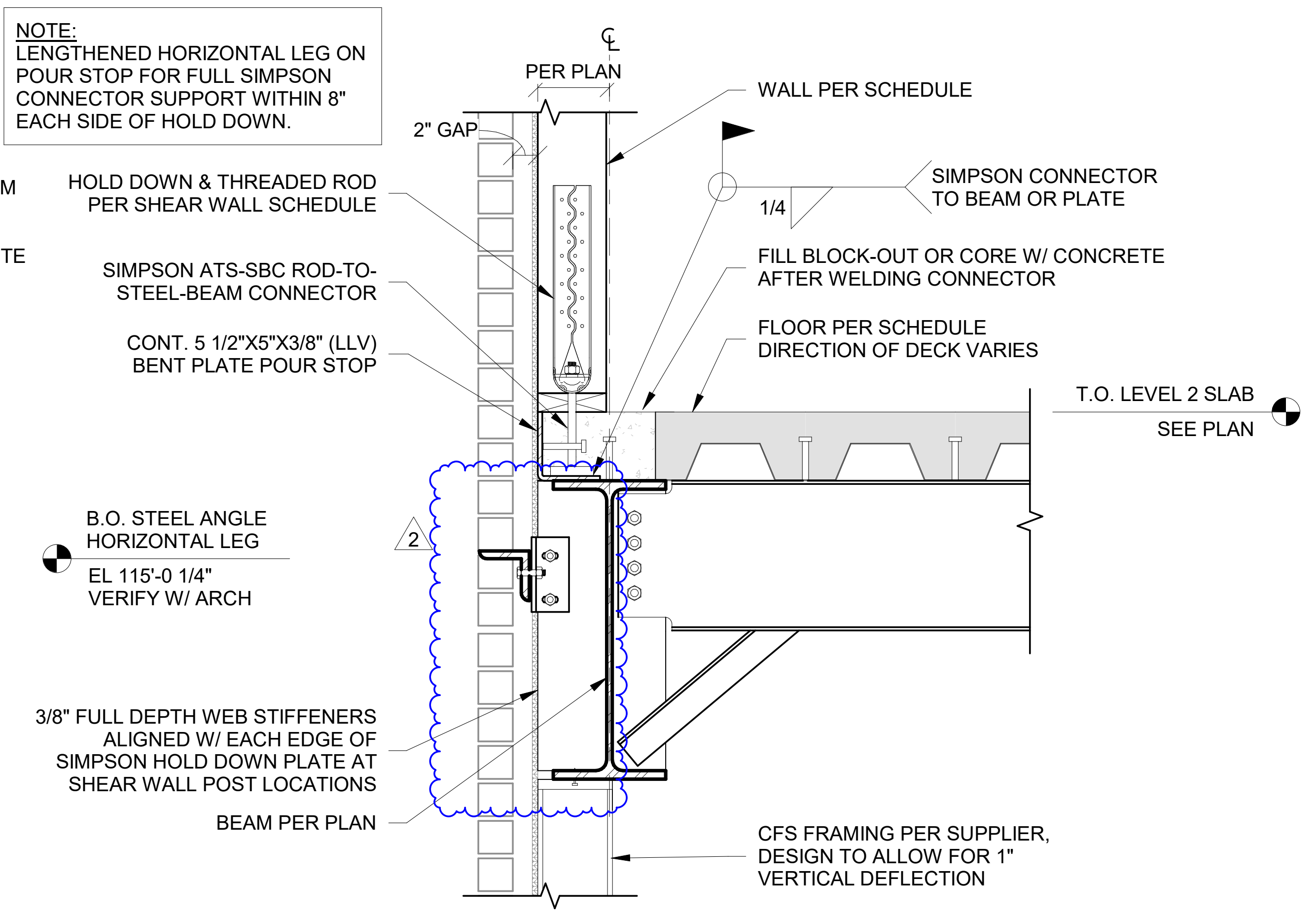

WALL PER SCHEDULE
HOLD DOWN & THREADED ROD PER SHEAR WALL SCHEDULE
5/16
2-SIDED OF SIMPSON CONNECTOR TO BEAM OR PLATE
SIMPSON ATS-SBC ROD-TO-STEEL-BEAM CONNECTOR
FILL BLOCK-OUT OR CORE W/ CONCRETE AFTER WELDING CONNECTOR
CONT. 5 1/2"X5"X3/8" (LLV) BENT PLATE POUR STOP
FLOOR PER SCHEDULE DIRECTION OF DECK VARIES
B.O. STEEL ANGLE HORIZONTAL LEG
EL 115'-0 1/4"
VERIFY W/ ARCH
2
BEAM PER PLAN

NOTE:
LENGTHENED HORIZONTAL LEG ON POUR STOP FOR FULL SIMPSON CONNECTOR SUPPORT WITHIN 8" EACH SIDE OF HOLD DOWN.

NOTE:
SEE LEVEL 2 FRAMING PLAN FOR HOLD DOWN LOCATIONS. WELD SIMPSON ATS-SBC ROD-TO-STEEL-BEAM CONNECTORS TO BEAM AND INSTALL ROD BEFORE PLACING CONCRETE, OR BLOCK OUT SLAB FOR LATER INSTALLATION.

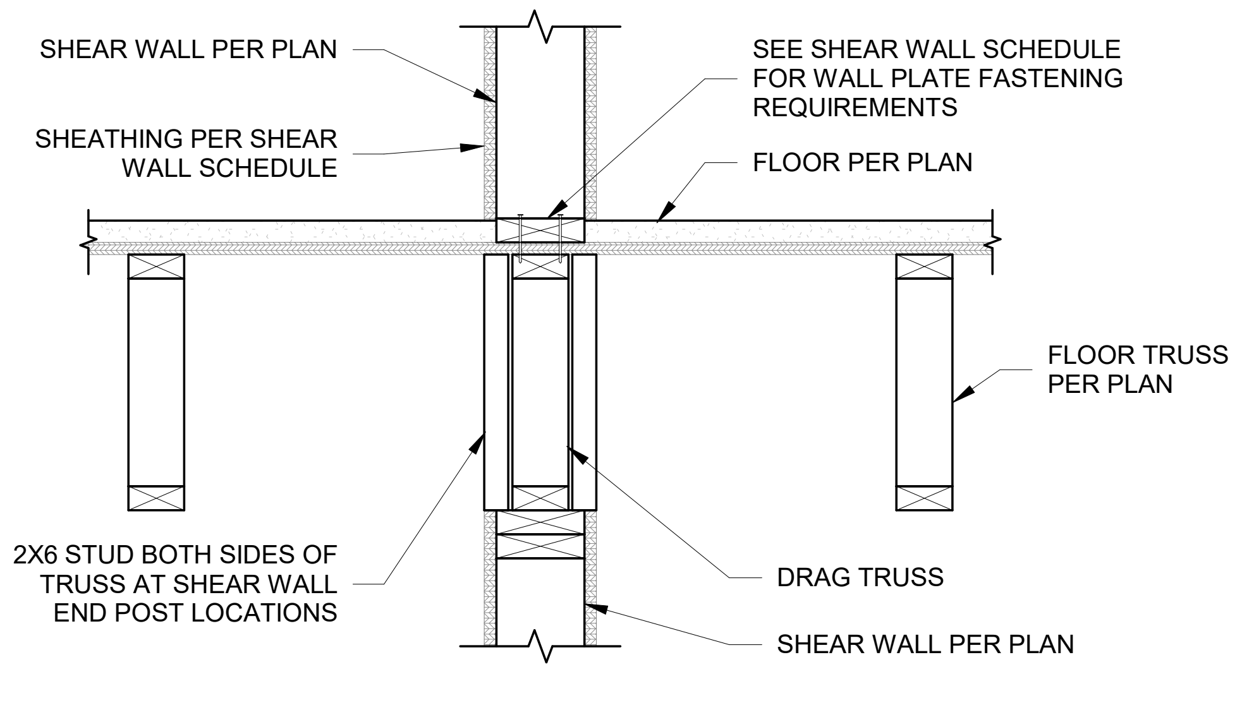
9 SHEAR WALL HOLD DOWN AT EXTERIOR BEAM
S550 1" = 1'-0"

NOTE:
LENGTHENED HORIZONTAL LEG ON POUR STOP FOR FULL SIMPSON CONNECTOR SUPPORT WITHIN 8" EACH SIDE OF HOLD DOWN.


℄
PER PLAN
WALL PER SCHEDULE
2" GAP
HOLD DOWN & THREADED ROD PER SHEAR WALL SCHEDULE
1/4
SIMPSON CONNECTOR TO BEAM OR PLATE
SIMPSON ATS-SBC ROD-TO-STEEL-BEAM CONNECTOR
FILL BLOCK-OUT OR CORE W/ CONCRETE AFTER WELDING CONNECTOR
CONT. 5 1/2"X5"X3/8" (LLV) BENT PLATE POUR STOP
FLOOR PER SCHEDULE DIRECTION OF DECK VARIES
T.O. LEVEL 2 SLAB
SEE PLAN
B.O. STEEL ANGLE HORIZONTAL LEG
EL 115'-0 1/4"
VERIFY W/ ARCH
2
3/8" FULL DEPTH WEB STIFFENERS ALIGNED W/ EACH EDGE OF SIMPSON HOLD DOWN PLATE AT SHEAR WALL POST LOCATIONS
BEAM PER PLAN
CFS FRAMING PER SUPPLIER, DESIGN TO ALLOW FOR 1" VERTICAL DEFLECTION

NOTE:
SEE LEVEL 2 FRAMING PLAN FOR HOLD DOWN LOCATIONS. WELD SIMPSON ATS-SBC ROD-TO-STEEL-BEAM CONNECTORS TO BEAM AND INSTALL ROD BEFORE PLACING CONCRETE, OR BLOCK OUT SLAB FOR LATER INSTALLATION.

10 SHEAR WALL HOLD DOWN AT OFFSET BEAM
S550 1" = 1'-0"


SHEAR WALL PER PLAN
SEE SHEAR WALL SCHEDULE FOR WALL PLATE FASTENING REQUIREMENTS
SHEATHING PER SHEAR WALL SCHEDULE
FLOOR PER PLAN
FLOOR TRUSS PER PLAN
2X6 STUD BOTH SIDES OF TRUSS AT SHEAR WALL END POST LOCATIONS
DRAG TRUSS
SHEAR WALL PER PLAN

11 SHEAR WALL PARALLEL TO FLOOR TRUSSES AT SINGLE WALL
S550 1" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/2024	Addendum #1
2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

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Columbia, MO 65203
P 573-814-1568

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

THE VILLAGE AT DISCOVERY -
LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

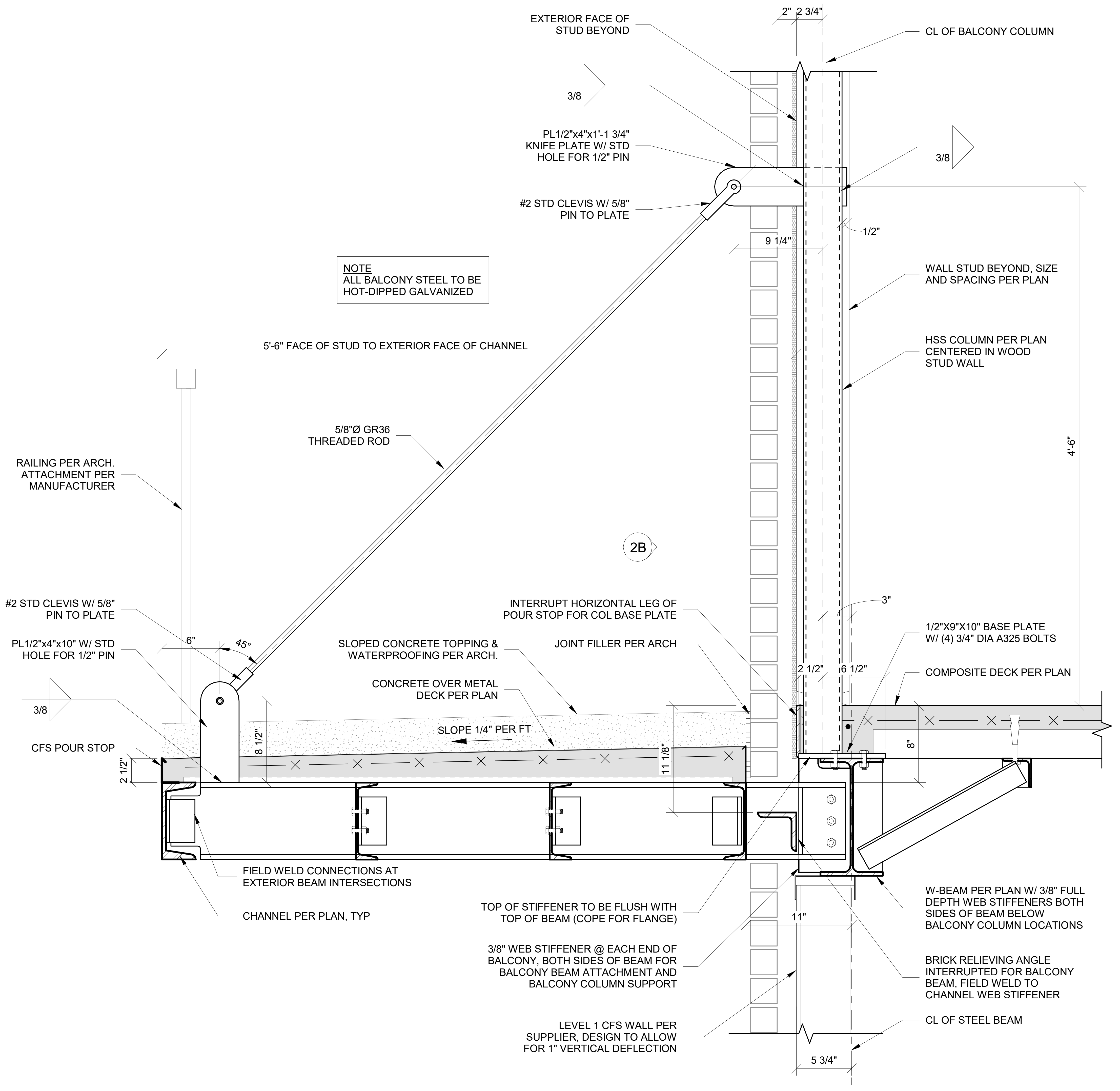
SHEET TITLE
SHEAR WALL DETAILS

PROJECT NUMBER: 2023000333

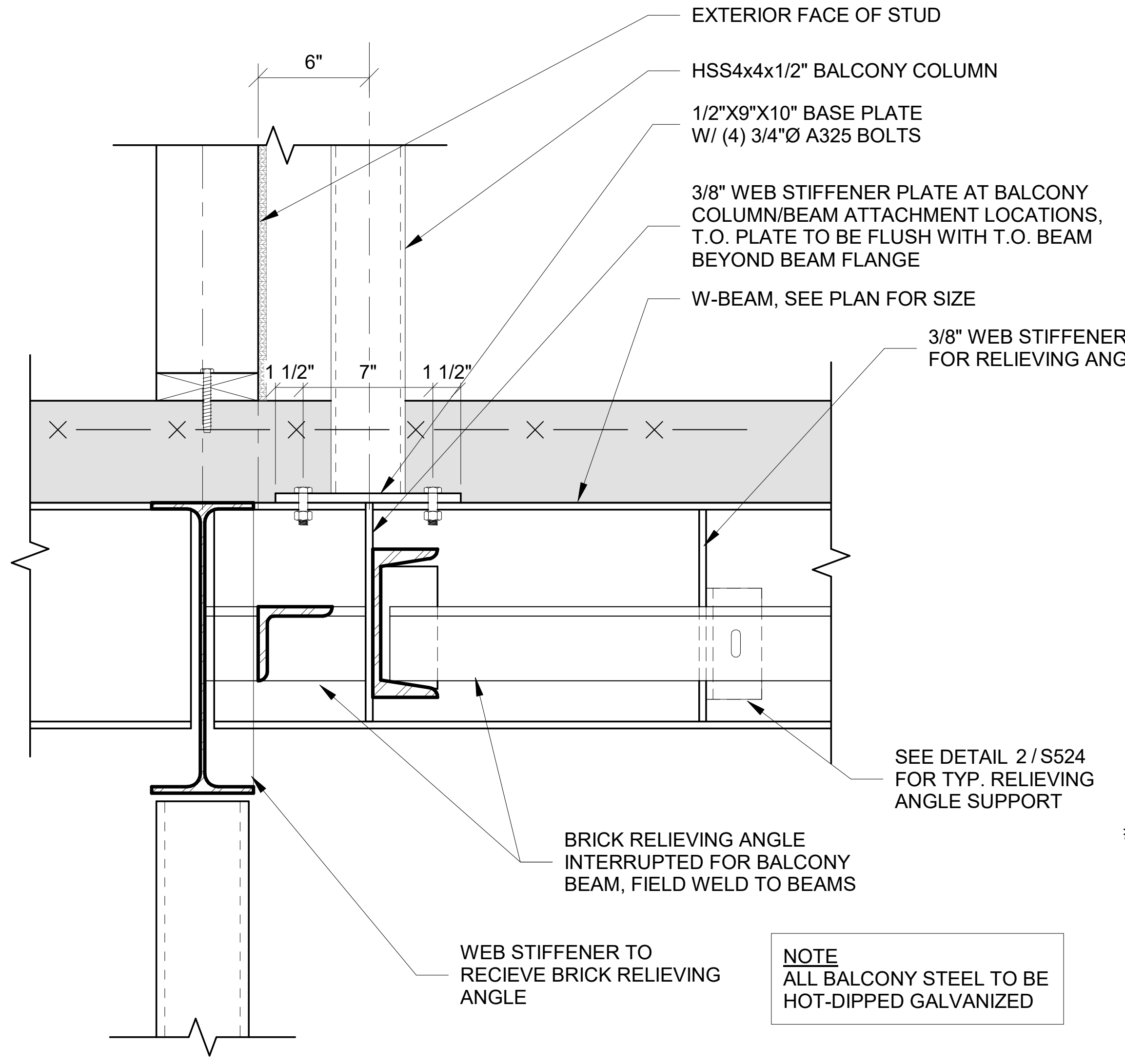
SHEET NUMBER:
S550

RENUMBERED SHEET
(FORMERLY S530)
1

12/24/2024 5:56:42 PM
Autodesk Docs://2023000333 - Discovery Park Lee's Summit/2023000333 - Rosemann - Lot 4_R23.rvt

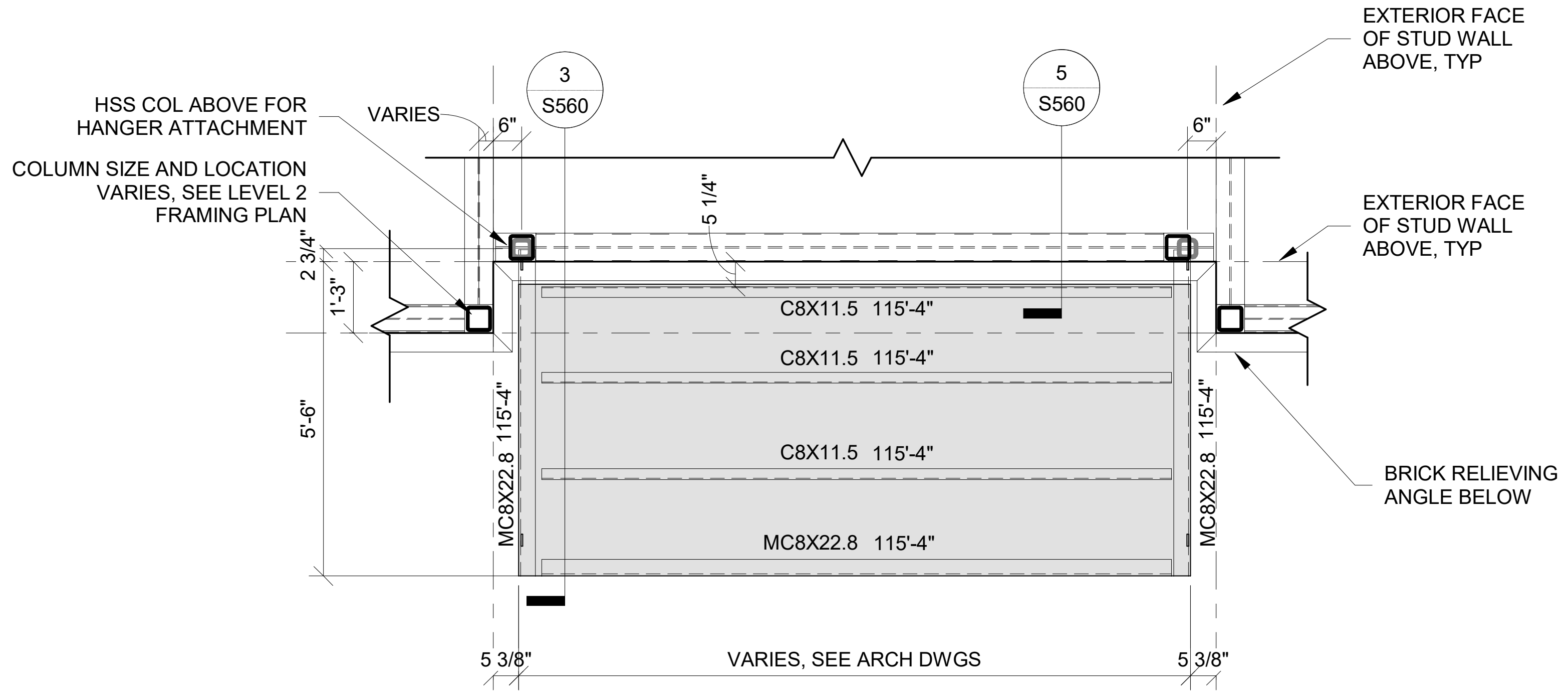

EXTERIOR FACE OF STUD BEYOND
2" 2 3/4"
CL OF BALCONY COLUMN
3/8
PL1/2"x4"x1'-1 3/4" KNIFE PLATE W/ STD HOLE FOR 1/2" PIN
3/8
#2 STD CLEVIS W/ 5/8" PIN TO PLATE
9 1/4"
1/2"
NOTE
ALL BALCONY STEEL TO BE HOT-DIPPED GALVANIZED
WALL STUD BEYOND, SIZE AND SPACING PER PLAN
5'-6" FACE OF STUD TO EXTERIOR FACE OF CHANNEL
HSS COLUMN PER PLAN CENTERED IN WOOD STUD WALL
5/8"Ø GR36 THREADED ROD
4'-6"
RAILING PER ARCH. ATTACHMENT PER MANUFACTURER
2B
INTERRUPT HORIZONTAL LEG OF POUR STOP FOR COL BASE PLATE
3"
#2 STD CLEVIS W/ 5/8" PIN TO PLATE
1/2"X9"X10" BASE PLATE W/ (4) 3/4" DIA A325 BOLTS
PL1/2"x4"x10" W/ STD HOLE FOR 1/2" PIN
6"
45°
SLOPED CONCRETE TOPPING & WATERPROOFING PER ARCH.
JOINT FILLER PER ARCH
CONCRETE OVER METAL DECK PER PLAN
2 1/2"
6 1/2"
COMPOSITE DECK PER PLAN
3/8
SLOPE 1/4" PER FT
CFS POUR STOP
8 1/2"
11 1/8"
8"
2 1/2"
FIELD WELD CONNECTIONS AT EXTERIOR BEAM INTERSECTIONS
TOP OF STIFFENER TO BE FLUSH WITH TOP OF BEAM (COPE FOR FLANGE)
W-BEAM PER PLAN W/ 3/8" FULL DEPTH WEB STIFFENERS BOTH SIDES OF BEAM BELOW BALCONY COLUMN LOCATIONS
CHANNEL PER PLAN, TYP
11"
3/8" WEB STIFFENER @ EACH END OF BALCONY, BOTH SIDES OF BEAM FOR BALCONY BEAM ATTACHMENT AND BALCONY COLUMN SUPPORT
BRICK RELIEVING ANGLE INTERRUPTED FOR BALCONY BEAM, FIELD WELD TO CHANNEL WEB STIFFENER
LEVEL 1 CFS WALL PER SUPPLIER, DESIGN TO ALLOW FOR 1" VERTICAL DEFLECTION
CL OF STEEL BEAM
5 3/4"

2-A SECTION

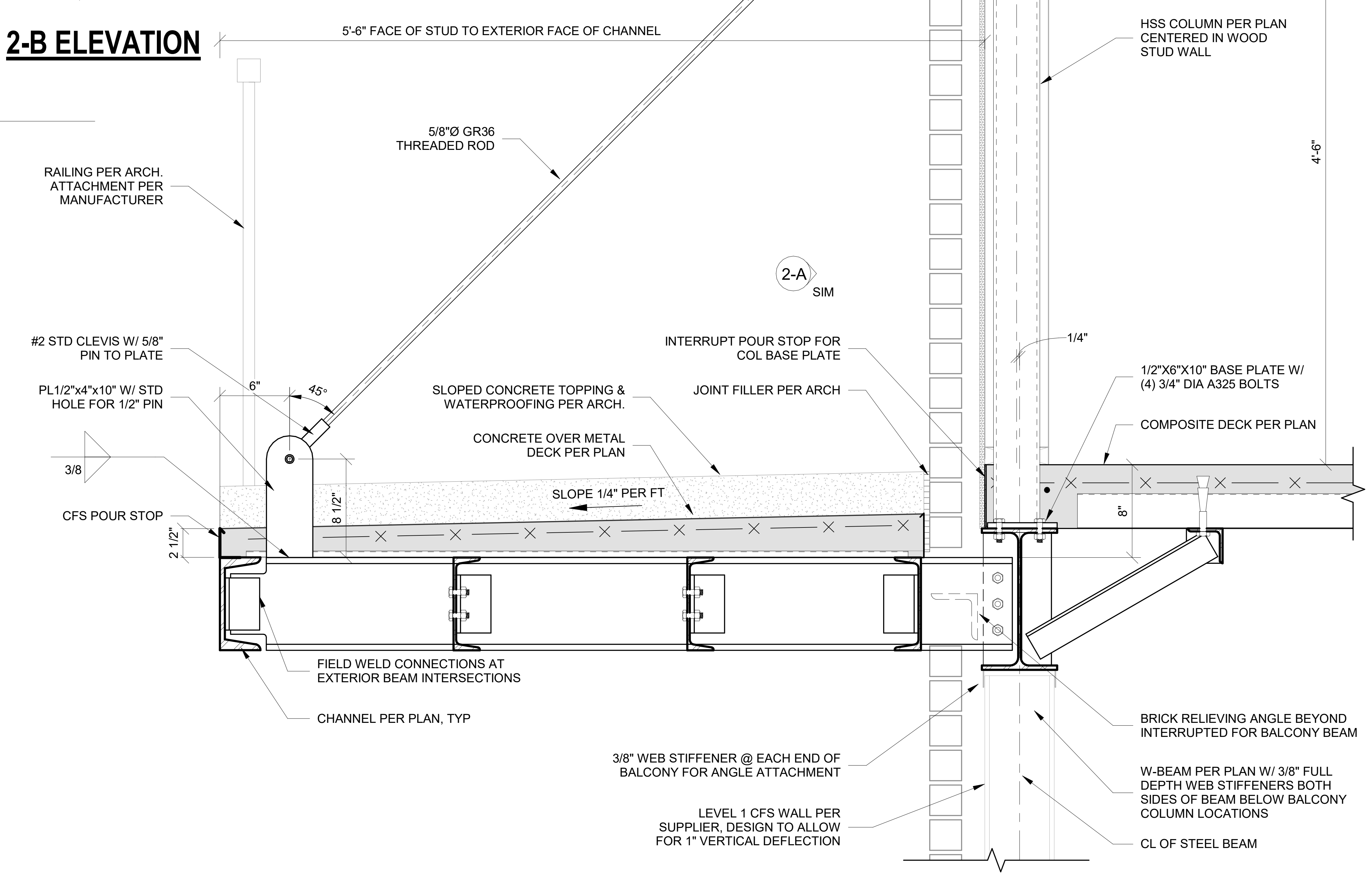

6"
EXTERIOR FACE OF STUD
HSS4x4x1/2" BALCONY COLUMN
1/2"X9"X10" BASE PLATE W/ (4) 3/4"Ø A325 BOLTS
3/8" WEB STIFFENER PLATE AT BALCONY COLUMN/BEAM ATTACHMENT LOCATIONS, T.O. PLATE TO BE FLUSH WITH T.O. BEAM BEYOND BEAM FLANGE
W-BEAM, SEE PLAN FOR SIZE
1 1/2"
7"
1 1/2"
3/8" WEB STIFFENER PLATE AT 24" O.C. FOR RELIEVING ANGLE ATTACHMENT
SEE DETAIL 2 / S524 FOR TYP. RELIEVING ANGLE SUPPORT
BRICK RELIEVING ANGLE INTERRUPTED FOR BALCONY BEAM, FIELD WELD TO BEAMS
WEB STIFFENER TO RECIEVE BRICK RELIEVING ANGLE
NOTE
ALL BALCONY STEEL TO BE HOT-DIPPED GALVANIZED

2-B ELEVATION

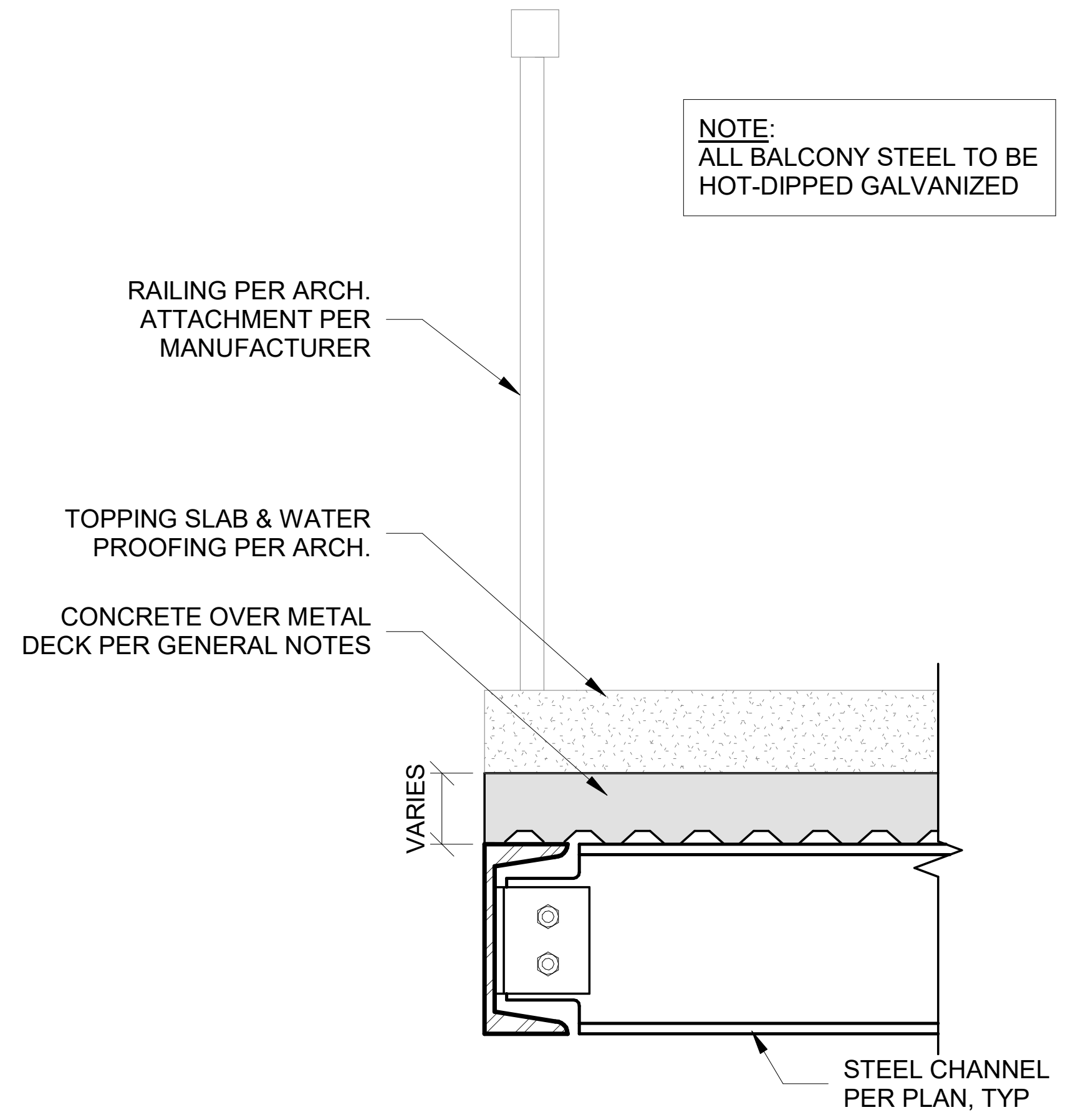
2 BALCONY HANGER DETAILS - LEVEL 2 PARKING GARAGE SIDE
S560 1 1/2" = 1'-0"


3
S560
5
S560
HSS COL ABOVE FOR HANGER ATTACHMENT
VARIES
6"
6"
EXTERIOR FACE OF STUD WALL ABOVE, TYP
COLUMN SIZE AND LOCATION VARIES, SEE LEVEL 2 FRAMING PLAN
5 1/4"
EXTERIOR FACE OF STUD WALL ABOVE, TYP
2 3/4"
1'-3"
C8X11.5 115'-4"
C8X11.5 115'-4"
C8X11.5 115'-4"
BRICK RELIEVING ANGLE BELOW
5'-6"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
5 3/8"
VARIES, SEE ARCH DWGS
5 3/8"

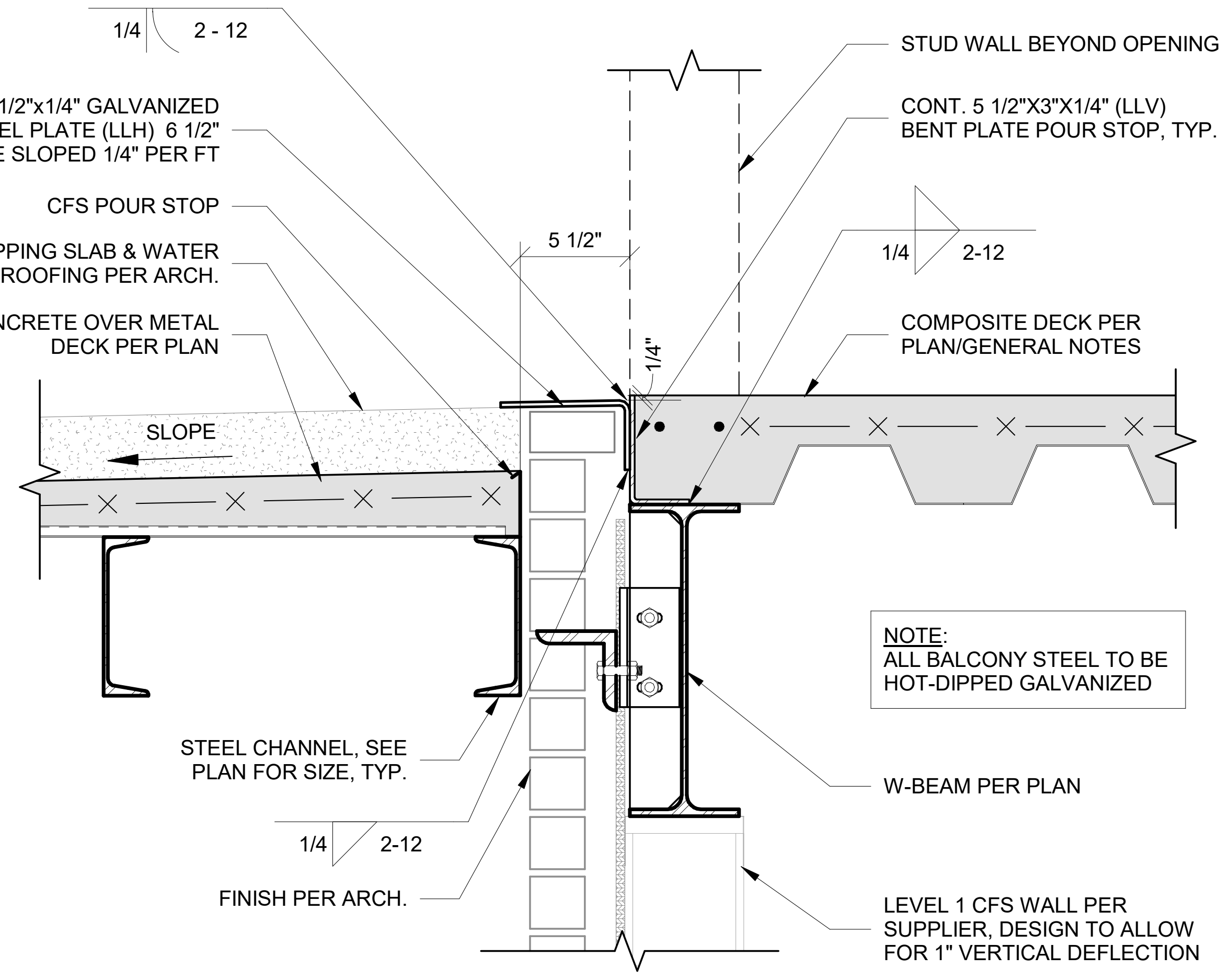
1 TYPICAL BALCONY WEST OF GRID 5.1 - LEVEL 2
S560 3/8" = 1'-0"


EXTERIOR FACE OF STUD BEYOND
2" 2 3/4"
CL OF BALCONY COLUMN
3/8
PL1/2"x4"x1'-1 3/4" KNIFE PLATE W/ STD HOLE FOR 1/2" PIN
3/8
#2 STD CLEVIS W/ 5/8" PIN TO PLATE
9 1/4"
1/2"
WALL STUD BEYOND, SIZE AND SPACING PER PLAN
5'-6" FACE OF STUD TO EXTERIOR FACE OF CHANNEL
HSS COLUMN PER PLAN CENTERED IN WOOD STUD WALL
5/8"Ø GR36 THREADED ROD
4'-6"
RAILING PER ARCH. ATTACHMENT PER MANUFACTURER
2-A
SIM
#2 STD CLEVIS W/ 5/8" PIN TO PLATE
INTERRUPT POUR STOP FOR COL BASE PLATE
1/4"
1/2"X6"X10" BASE PLATE W/ (4) 3/4" DIA A325 BOLTS
PL1/2"x4"x10" W/ STD HOLE FOR 1/2" PIN
6"
45°
SLOPED CONCRETE TOPPING & WATERPROOFING PER ARCH.
JOINT FILLER PER ARCH
COMPOSITE DECK PER PLAN
3/8
CONCRETE OVER METAL DECK PER PLAN
SLOPE 1/4" PER FT
CFS POUR STOP
8 1/2"
8"
2 1/2"
FIELD WELD CONNECTIONS AT EXTERIOR BEAM INTERSECTIONS
CHANNEL PER PLAN, TYP
BRICK RELIEVING ANGLE BEYOND INTERRUPTED FOR BALCONY BEAM
3/8" WEB STIFFENER @ EACH END OF BALCONY FOR ANGLE ATTACHMENT
W-BEAM PER PLAN W/ 3/8" FULL DEPTH WEB STIFFENERS BOTH SIDES OF BEAM BELOW BALCONY COLUMN LOCATIONS
LEVEL 1 CFS WALL PER SUPPLIER, DESIGN TO ALLOW FOR 1" VERTICAL DEFLECTION
CL OF STEEL BEAM

3 BALCONY SECTION AT HANGER - LEVEL 2 COMMERCIAL SIDE
S560 1 1/2" = 1'-0"


NOTE:
ALL BALCONY STEEL TO BE HOT-DIPPED GALVANIZED
RAILING PER ARCH. ATTACHMENT PER MANUFACTURER
TOPPING SLAB & WATER PROOFING PER ARCH.
CONCRETE OVER METAL DECK PER GENERAL NOTES
VARIES
STEEL CHANNEL PER PLAN, TYP

4 BALCONY EDGE SECTION
S560 1 1/2" = 1'-0"


1/4
2 - 12
STUD WALL BEYOND OPENING
3 1/2"x6 1/2"x1/4" GALVANIZED BENT STEEL PLATE (LLH) 6 1/2" LEG TO BE SLOPED 1/4" PER FT
CONT. 5 1/2"X3"X1/4" (LLV) BENT PLATE POUR STOP, TYP.
CFS POUR STOP
5 1/2"
1/4
2-12
TOPPING SLAB & WATER PROOFING PER ARCH.
CONCRETE OVER METAL DECK PER PLAN
COMPOSITE DECK PER PLAN/GENERAL NOTES
1/4"
SLOPE
NOTE:
ALL BALCONY STEEL TO BE HOT-DIPPED GALVANIZED
STEEL CHANNEL, SEE PLAN FOR SIZE, TYP.
W-BEAM PER PLAN
1/4
2-12
FINISH PER ARCH.
LEVEL 1 CFS WALL PER SUPPLIER, DESIGN TO ALLOW FOR 1" VERTICAL DEFLECTION

5 BALCONY SECTION AT DOOR THRESHOLD - LEVEL 2
S560 1 1/2" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:
2 11/11/2024 Addendum #2
3 12/26/2024 Addendum #3

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

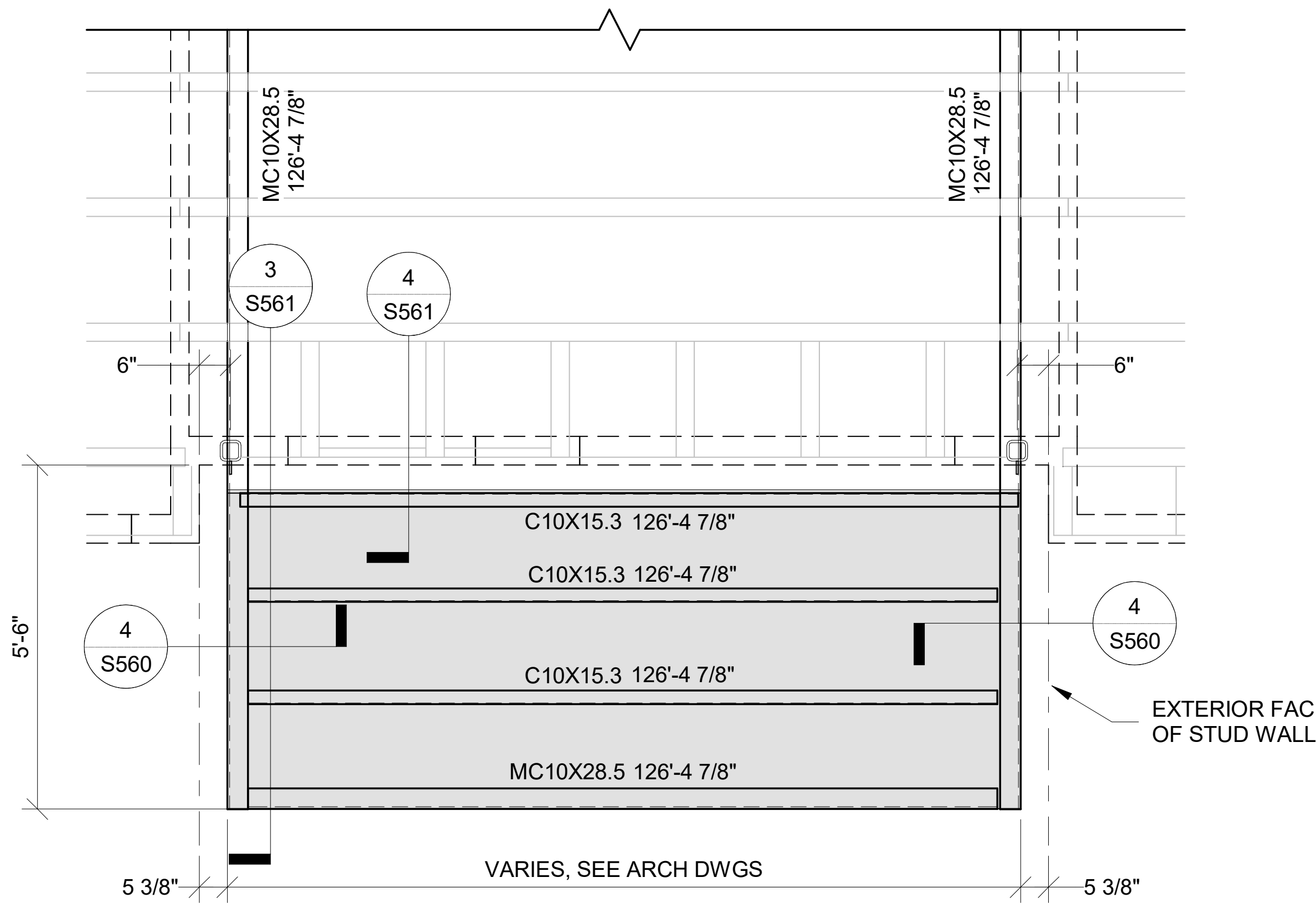
THE VILLAGE AT DISCOVERY - LOT 4

1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

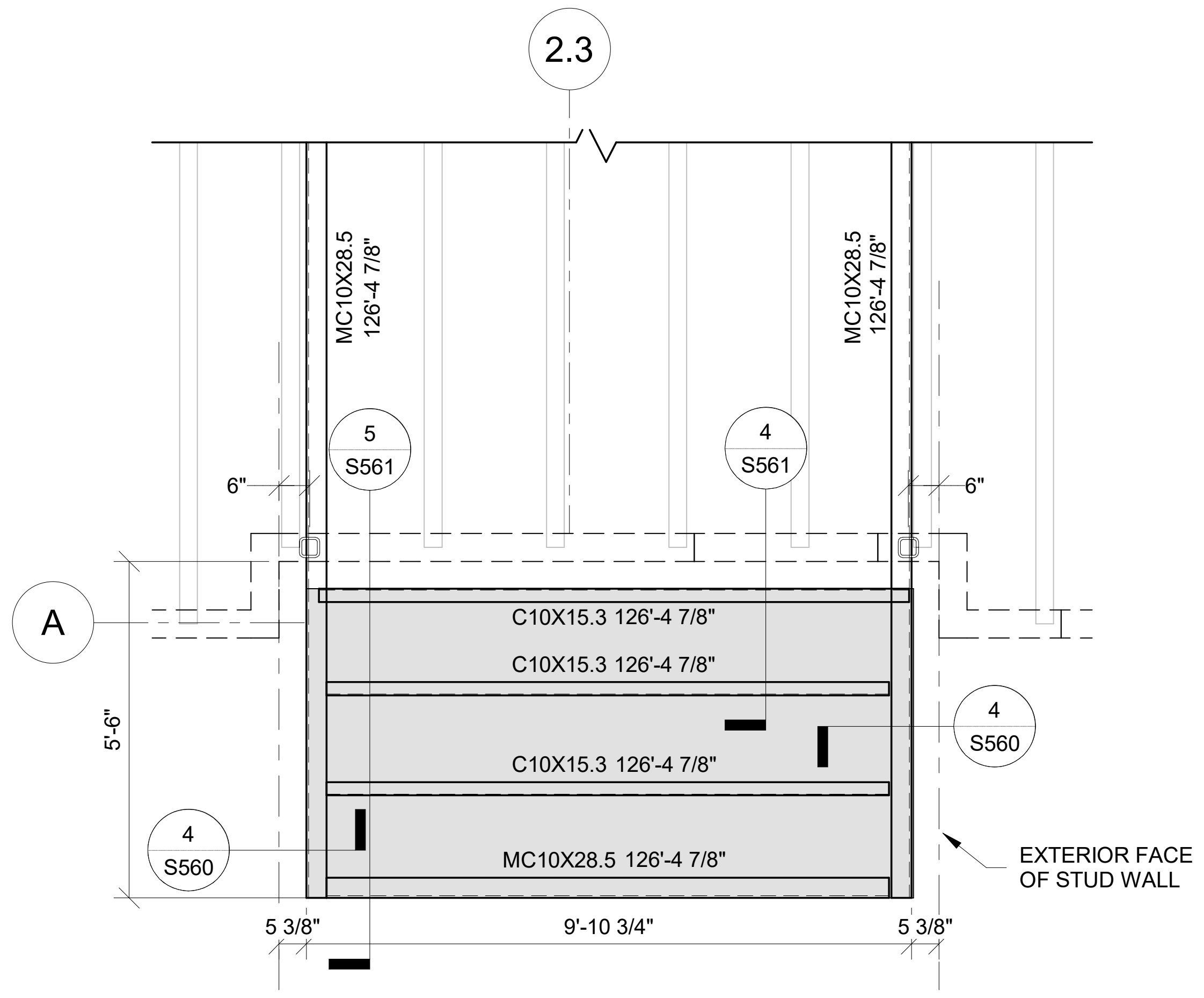
SHEET TITLE
TYPICAL BALCONY PLANS AND DETAILS - LEVEL 2

PROJECT NUMBER: 2023000333

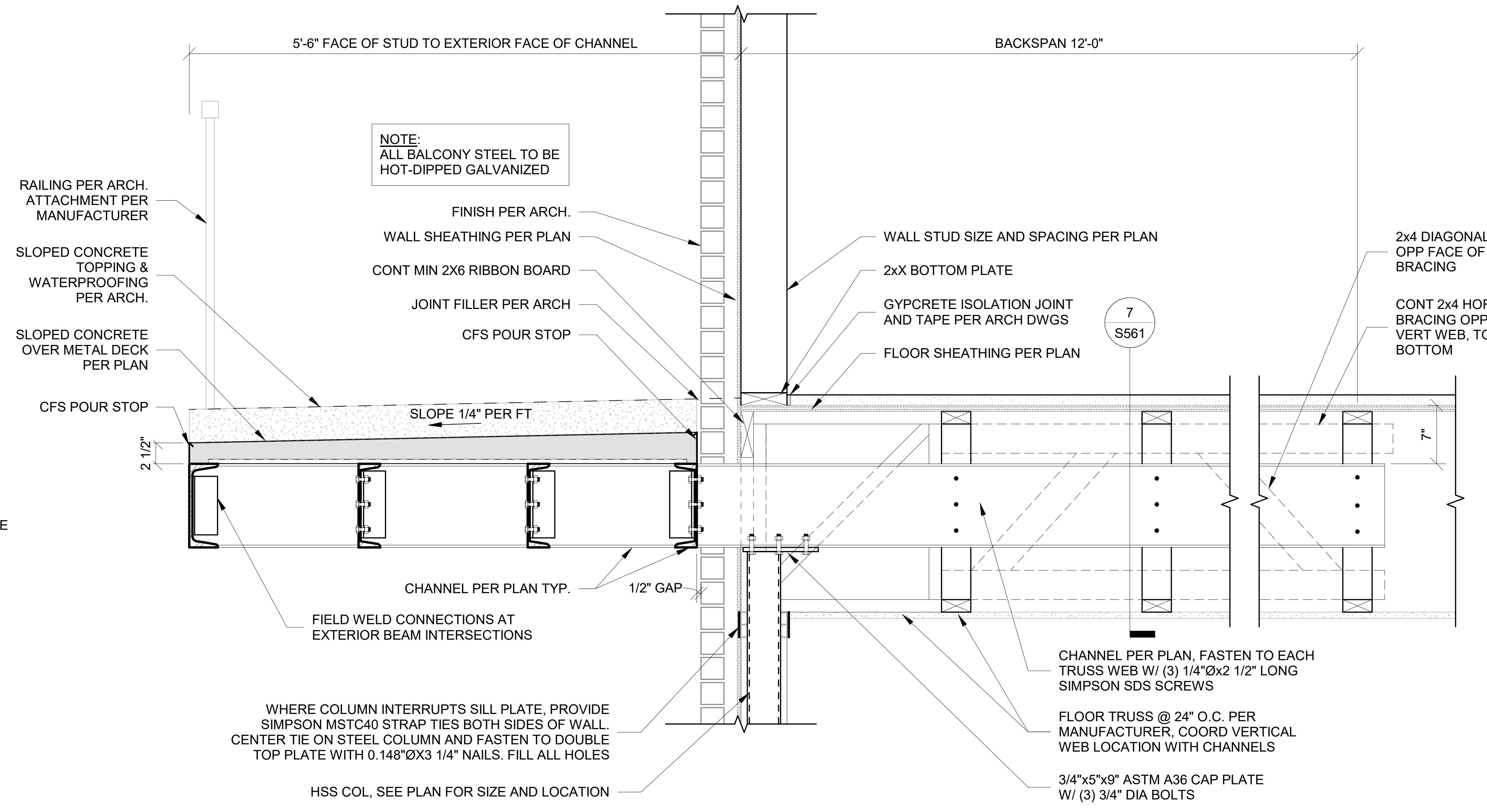
SHEET NUMBER:
S560



1 S561 **TYPICAL BALCONY TRUSSES PARALLEL TO WALL - LEVEL 3**
3/8" = 1'-0"

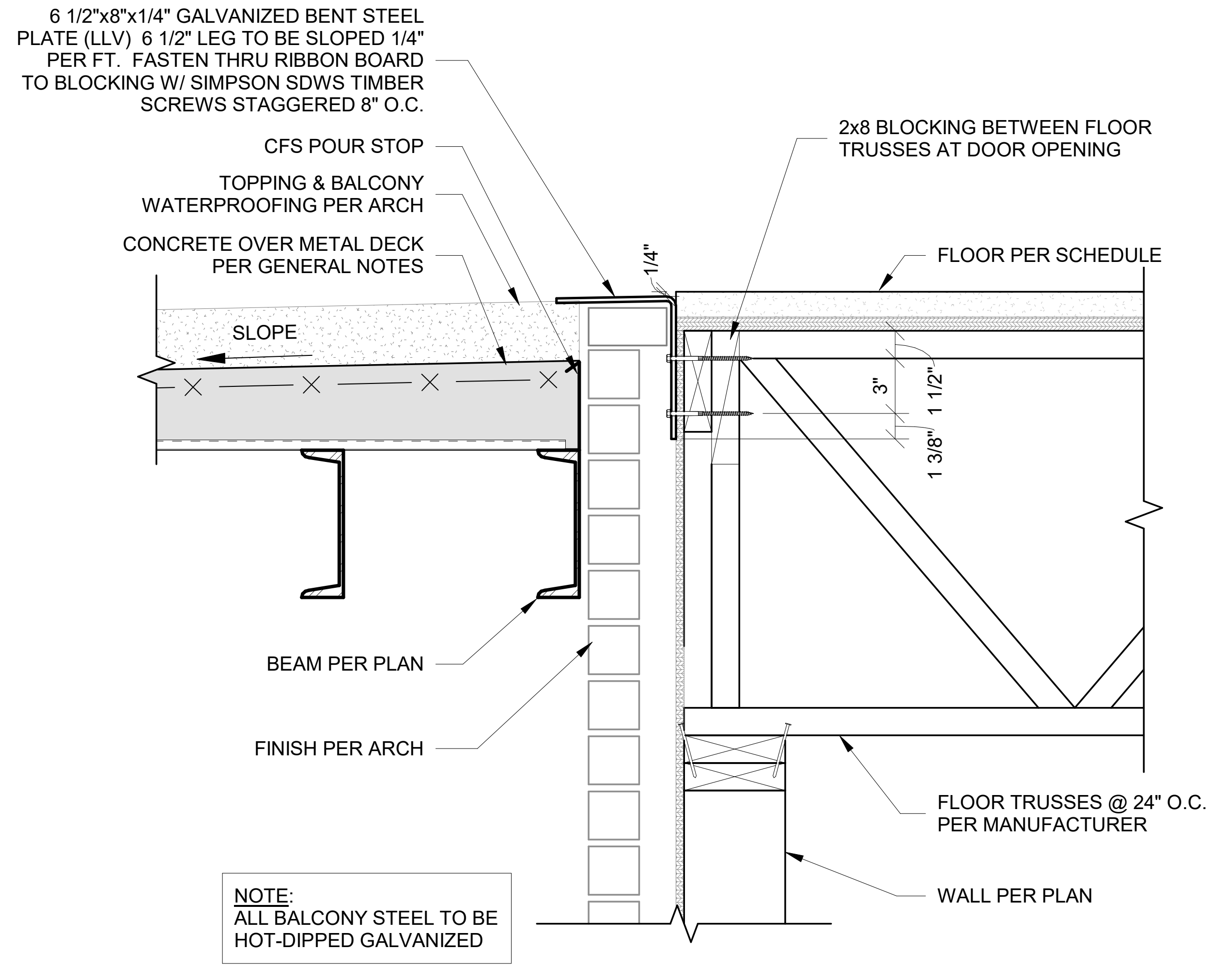


2 S561 **BALCONY NEAR GRID INTERSECTION A-2.3 TRUSSES PERPENDICULAR TO WALL - LEVEL 3**
3/8" = 1'-0"


5'-6" FACE OF STUD TO EXTERIOR FACE OF CHANNEL
BACKSPAN 12'-0"
RAILING PER ARCH. ATTACHMENT PER MANUFACTURER
SLOPED CONCRETE TOPPING & WATERPROOFING PER ARCH.
SLOPED CONCRETE OVER METAL DECK PER PLAN
CFS POUR STOP
FINISH PER ARCH.
WALL SHEATHING PER PLAN
CONT MIN 2X6 RIBBON BOARD
JOINT FILLER PER ARCH
CFS POUR STOP
SLOPE 1/4" PER FT
2 1/2"
WALL STUD SIZE AND SPACING PER PLAN
2xX BOTTOM PLATE
GYPCRETE ISOLATION JOINT AND TAPE PER ARCH DWGS
FLOOR SHEATHING PER PLAN
7
S561
2x4 DIAGONAL BRACING OPP FACE OF HORIZ BRACING
CONT 2x4 HORIZONTAL BRACING OPP FACE OF VERT WEB, TOP AND BOTTOM
7"
CHANNEL PER PLAN TYP.
1/2" GAP
FIELD WELD CONNECTIONS AT EXTERIOR BEAM INTERSECTIONS
WHERE COLUMN INTERRUPTS SILL PLATE, PROVIDE SIMPSON MSTC40 STRAP TIES BOTH SIDES OF WALL. CENTER TIE ON STEEL COLUMN AND FASTEN TO DOUBLE TOP PLATE WITH 0.148"ØX3 1/4" NAILS. FILL ALL HOLES
HSS COL, SEE PLAN FOR SIZE AND LOCATION
CHANNEL PER PLAN, FASTEN TO EACH TRUSS WEB W/ (3) 1/4"Øx2 1/2" LONG SIMPSON SDS SCREWS
FLOOR TRUSS @ 24" O.C. PER MANUFACTURER, COORD VERTICAL WEB LOCATION WITH CHANNELS
3/4"x5"x9" ASTM A36 CAP PLATE W/ (3) 3/4" DIA BOLTS

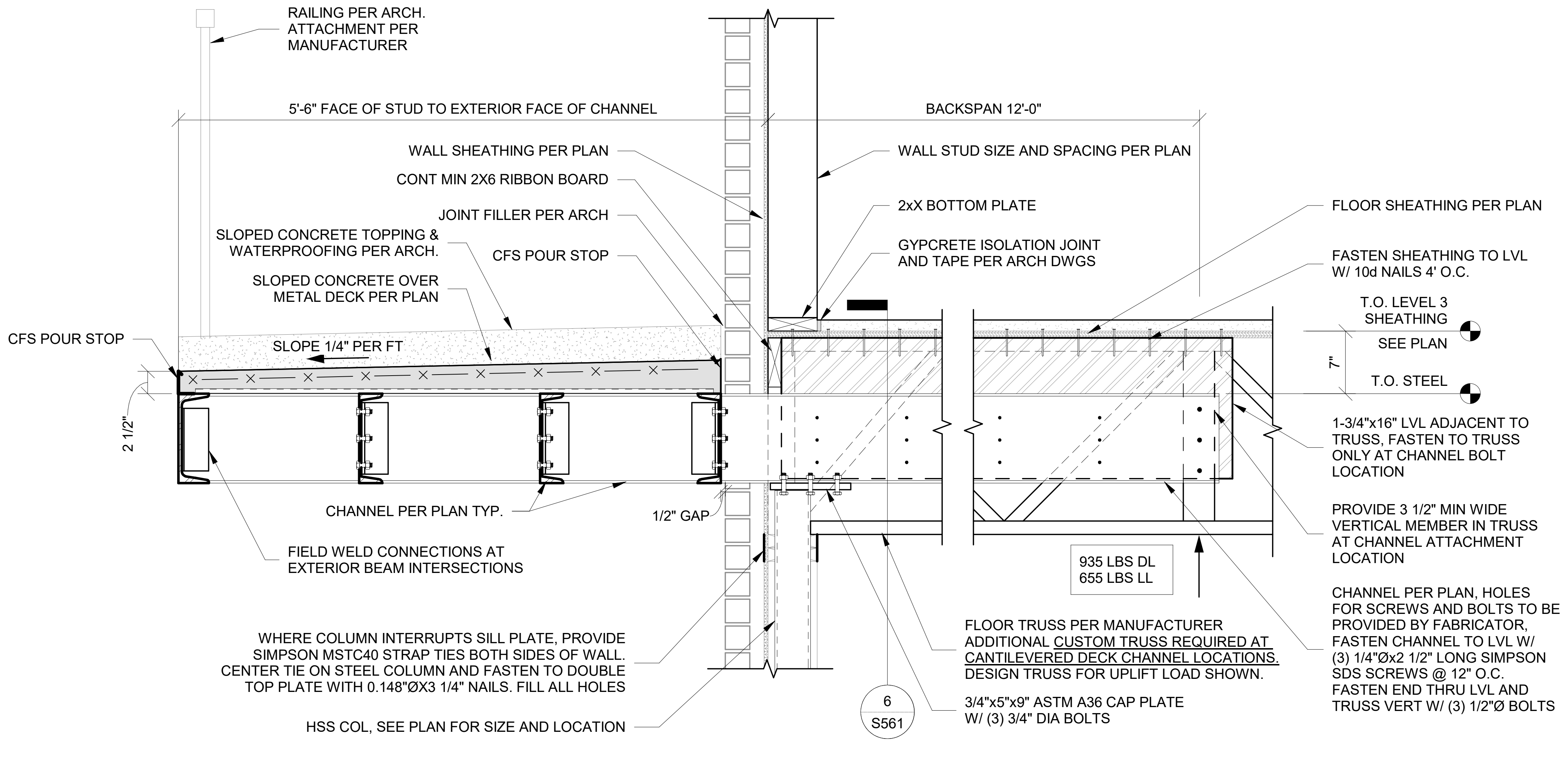
NOTE:
ALL BALCONY STEEL TO BE HOT-DIPPED GALVANIZED

3 S561 **BALCONY FRAMING SECTION AT CHANNEL - LEVEL 3**
1" = 1'-0"

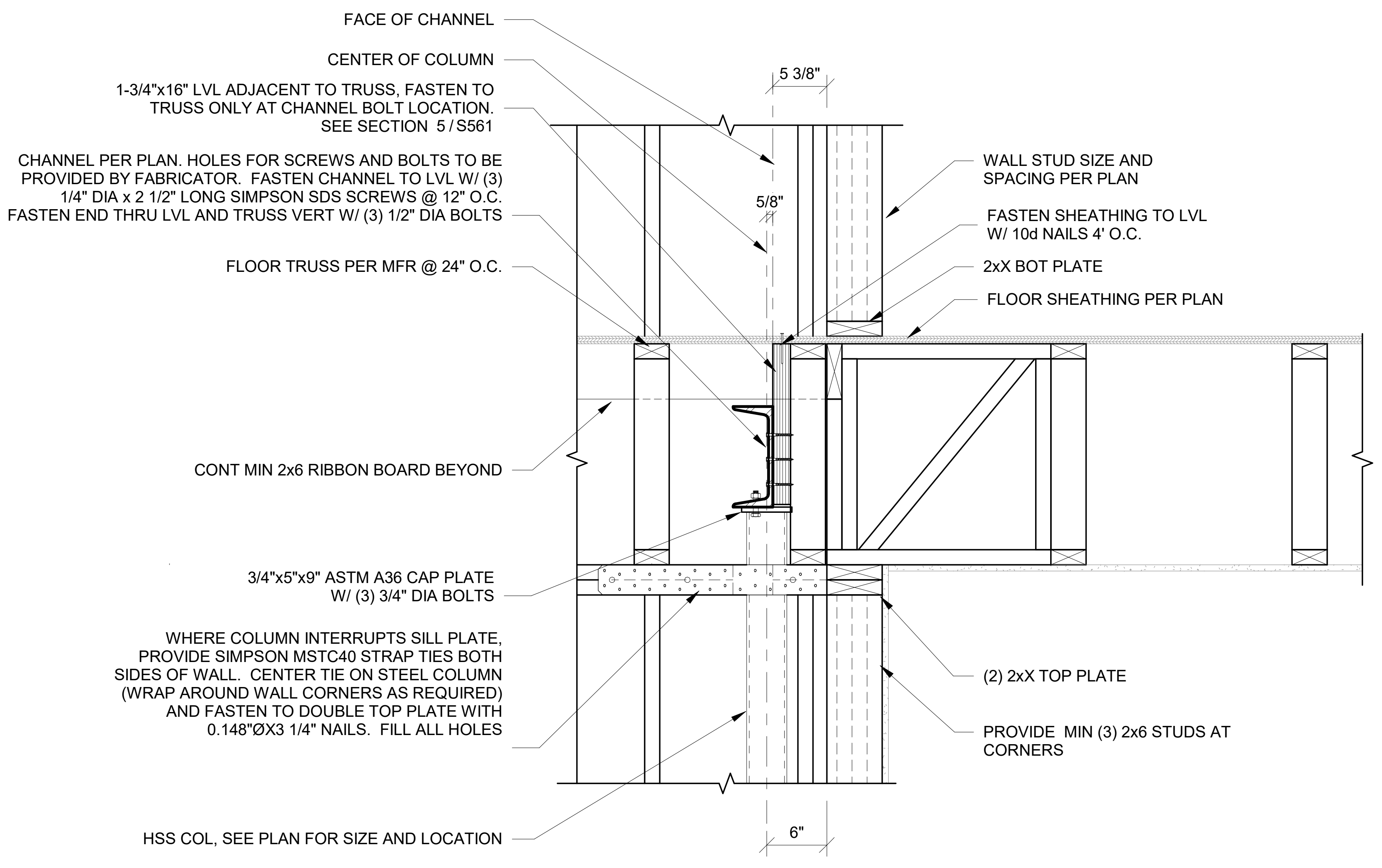

6 1/2"x8"x1/4" GALVANIZED BENT STEEL PLATE (LLV) 6 1/2" LEG TO BE SLOPED 1/4" PER FT. FASTEN THRU RIBBON BOARD TO BLOCKING W/ SIMPSON SDWS TIMBER SCREWS STAGGERED 8" O.C.
CFS POUR STOP
TOPPING & BALCONY WATERPROOFING PER ARCH
CONCRETE OVER METAL DECK PER GENERAL NOTES
SLOPE
1/4"
2x8 BLOCKING BETWEEN FLOOR TRUSSES AT DOOR OPENING
FLOOR PER SCHEDULE
3"
1 1/2"
1 3/8"
BEAM PER PLAN
FINISH PER ARCH
FLOOR TRUSSES @ 24" O.C. PER MANUFACTURER
WALL PER PLAN

NOTE:
ALL BALCONY STEEL TO BE HOT-DIPPED GALVANIZED

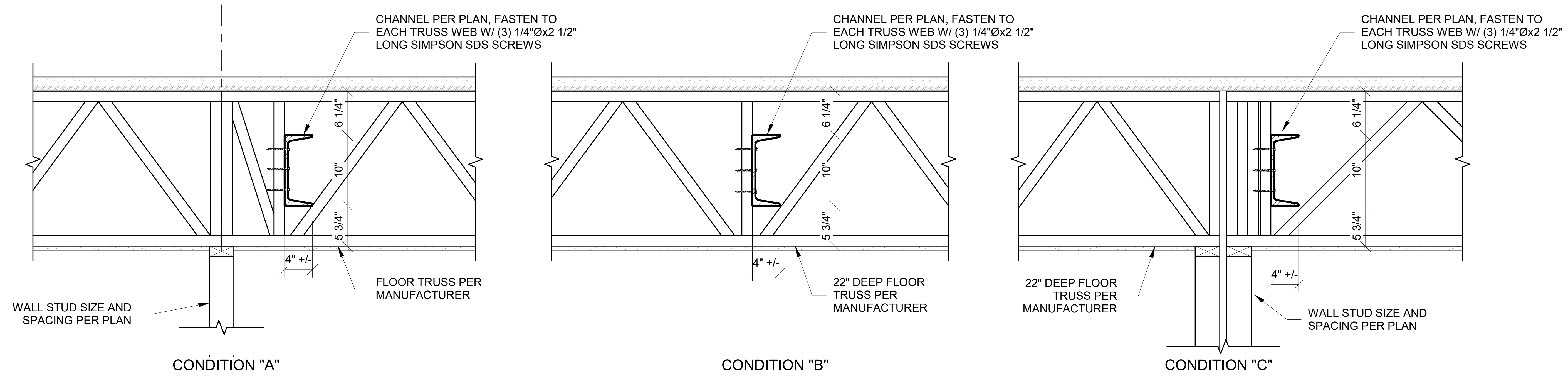
4 S561 **BALCONY SECTION AT DOOR THRESHOLD - LEVEL 3**
1 1/2" = 1'-0"


RAILING PER ARCH. ATTACHMENT PER MANUFACTURER
5'-6" FACE OF STUD TO EXTERIOR FACE OF CHANNEL
BACKSPAN 12'-0"
WALL SHEATHING PER PLAN
CONT MIN 2X6 RIBBON BOARD
JOINT FILLER PER ARCH
SLOPED CONCRETE TOPPING & WATERPROOFING PER ARCH.
CFS POUR STOP
SLOPED CONCRETE OVER METAL DECK PER PLAN
CFS POUR STOP
SLOPE 1/4" PER FT
2 1/2"
WALL STUD SIZE AND SPACING PER PLAN
2xX BOTTOM PLATE
GYPCRETE ISOLATION JOINT AND TAPE PER ARCH DWGS
FLOOR SHEATHING PER PLAN
FASTEN SHEATHING TO LVL W/ 10d NAILS 4' O.C.
T.O. LEVEL 3 SHEATHING
SEE PLAN
7"
T.O. STEEL
1-3/4"x16" LVL ADJACENT TO TRUSS, FASTEN TO TRUSS ONLY AT CHANNEL BOLT LOCATION
PROVIDE 3 1/2" MIN WIDE VERTICAL MEMBER IN TRUSS AT CHANNEL ATTACHMENT LOCATION
CHANNEL PER PLAN, HOLES FOR SCREWS AND BOLTS TO BE PROVIDED BY FABRICATOR, FASTEN CHANNEL TO LVL W/ (3) 1/4"Øx2 1/2" LONG SIMPSON SDS SCREWS @ 12" O.C. FASTEN END THRU LVL AND TRUSS VERT W/ (3) 1/2"Ø BOLTS
CHANNEL PER PLAN TYP.
1/2" GAP
FIELD WELD CONNECTIONS AT EXTERIOR BEAM INTERSECTIONS
935 LBS DL
655 LBS LL
FLOOR TRUSS PER MANUFACTURER ADDITIONAL CUSTOM TRUSS REQUIRED AT CANTILEVERED DECK CHANNEL LOCATIONS. DESIGN TRUSS FOR UPLIFT LOAD SHOWN.
WHERE COLUMN INTERRUPTS SILL PLATE, PROVIDE SIMPSON MSTC40 STRAP TIES BOTH SIDES OF WALL. CENTER TIE ON STEEL COLUMN AND FASTEN TO DOUBLE TOP PLATE WITH 0.148"ØX3 1/4" NAILS. FILL ALL HOLES
HSS COL, SEE PLAN FOR SIZE AND LOCATION
6
S561
3/4"x5"x9" ASTM A36 CAP PLATE W/ (3) 3/4" DIA BOLTS

5 S561 **BALCONY FRAMING SECTION - AT CHANNEL**
1" = 1'-0"


FACE OF CHANNEL
CENTER OF COLUMN
1-3/4"x16" LVL ADJACENT TO TRUSS, FASTEN TO TRUSS ONLY AT CHANNEL BOLT LOCATION. SEE SECTION 5 / S561
CHANNEL PER PLAN. HOLES FOR SCREWS AND BOLTS TO BE PROVIDED BY FABRICATOR. FASTEN CHANNEL TO LVL W/ (3) 1/4" DIA x 2 1/2" LONG SIMPSON SDS SCREWS @ 12" O.C. FASTEN END THRU LVL AND TRUSS VERT W/ (3) 1/2" DIA BOLTS
FLOOR TRUSS PER MFR @ 24" O.C.
CONT MIN 2x6 RIBBON BOARD BEYOND
3/4"x5"x9" ASTM A36 CAP PLATE W/ (3) 3/4" DIA BOLTS
WHERE COLUMN INTERRUPTS SILL PLATE, PROVIDE SIMPSON MSTC40 STRAP TIES BOTH SIDES OF WALL. CENTER TIE ON STEEL COLUMN (WRAP AROUND WALL CORNERS AS REQUIRED) AND FASTEN TO DOUBLE TOP PLATE WITH 0.148"ØX3 1/4" NAILS. FILL ALL HOLES
HSS COL, SEE PLAN FOR SIZE AND LOCATION
5 3/8"
5/8"
6"
WALL STUD SIZE AND SPACING PER PLAN
FASTEN SHEATHING TO LVL W/ 10d NAILS 4' O.C.
2xX BOT PLATE
FLOOR SHEATHING PER PLAN
(2) 2xX TOP PLATE
PROVIDE MIN (3) 2x6 STUDS AT CORNERS

6 S561 **BALCONY FRAMING SECTION - CHANNEL BEARING ON COL**
1" = 1'-0"


CHANNEL PER PLAN, FASTEN TO EACH TRUSS WEB W/ (3) 1/4"Øx2 1/2" LONG SIMPSON SDS SCREWS
6 1/4"
10"
5 3/4"
4" +/-
WALL STUD SIZE AND SPACING PER PLAN
FLOOR TRUSS PER MANUFACTURER
CONDITION "A"
CHANNEL PER PLAN, FASTEN TO EACH TRUSS WEB W/ (3) 1/4"Øx2 1/2" LONG SIMPSON SDS SCREWS
6 1/4"
10"
5 3/4"
4" +/-
22" DEEP FLOOR TRUSS PER MANUFACTURER
CONDITION "B"
CHANNEL PER PLAN, FASTEN TO EACH TRUSS WEB W/ (3) 1/4"Øx2 1/2" LONG SIMPSON SDS SCREWS
6 1/4"
10"
5 3/4"
4" +/-
22" DEEP FLOOR TRUSS PER MANUFACTURER
WALL STUD SIZE AND SPACING PER PLAN
CONDITION "C"

7 S561 **BALCONY BEAM PERPENDICULAR TO TRUSS CONNECTION**
1" = 1'-0"

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2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

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NO. E-2006023253
EXPIRES: DECEMBER 31, 2024

THE VILLAGE AT DISCOVERY - LOT 4

1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
TYPICAL BALCONY PLANS AND DETAILS - LEVEL 3

PROJECT NUMBER: 2023000333

SHEET NUMBER:
S561

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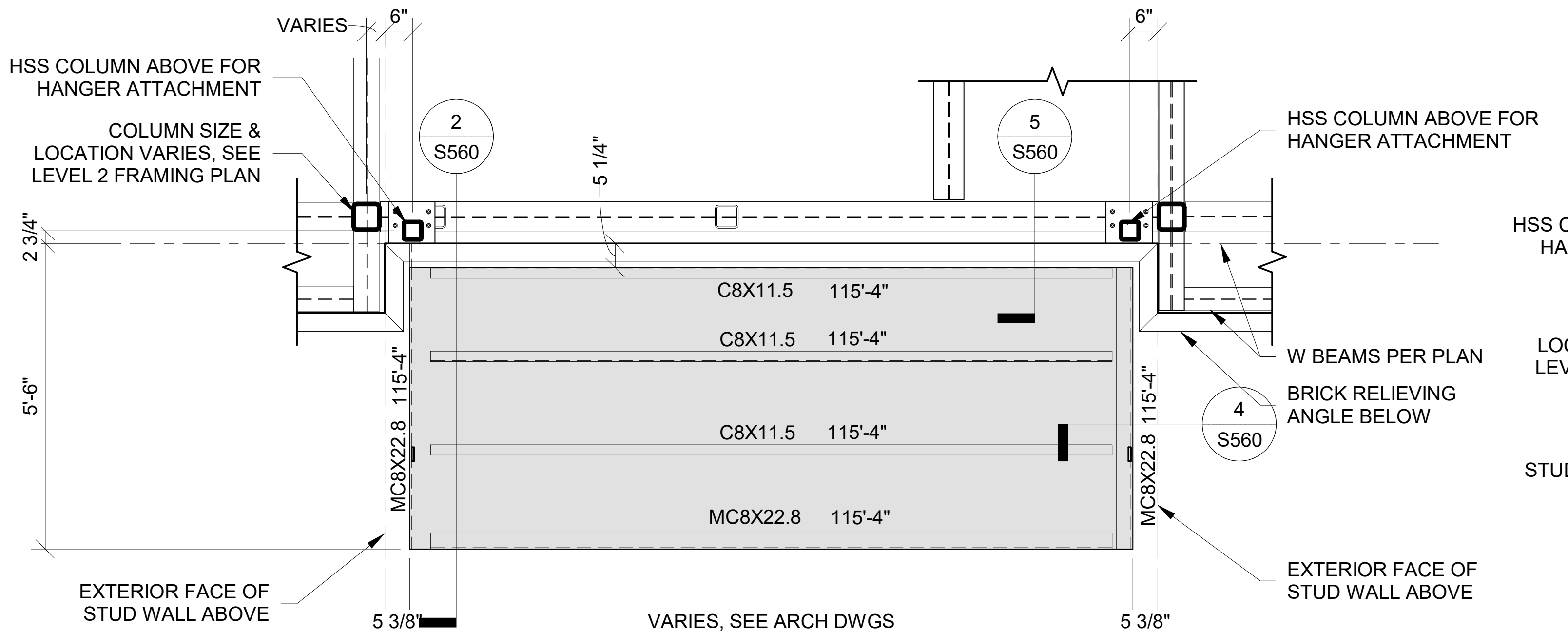
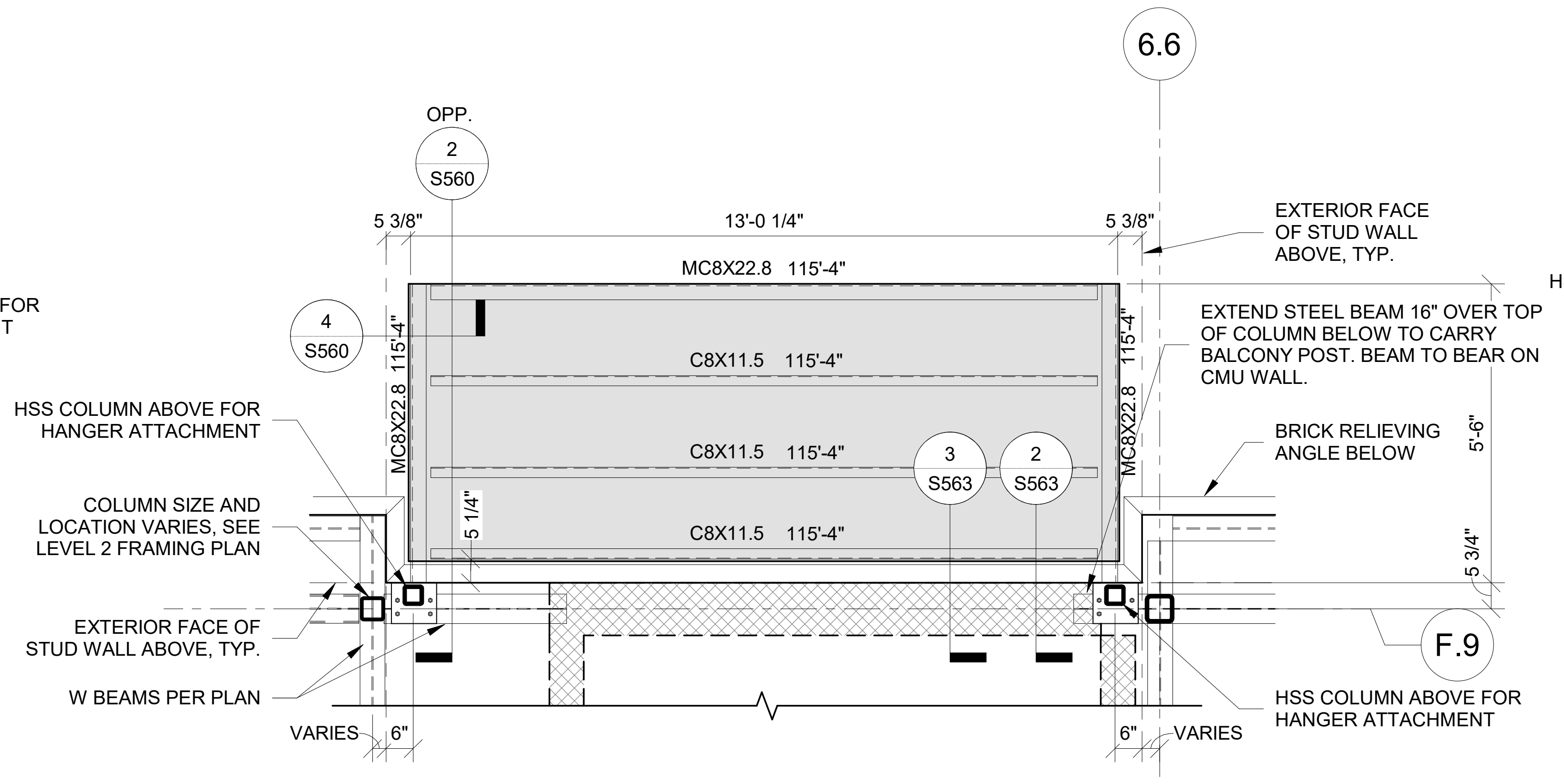
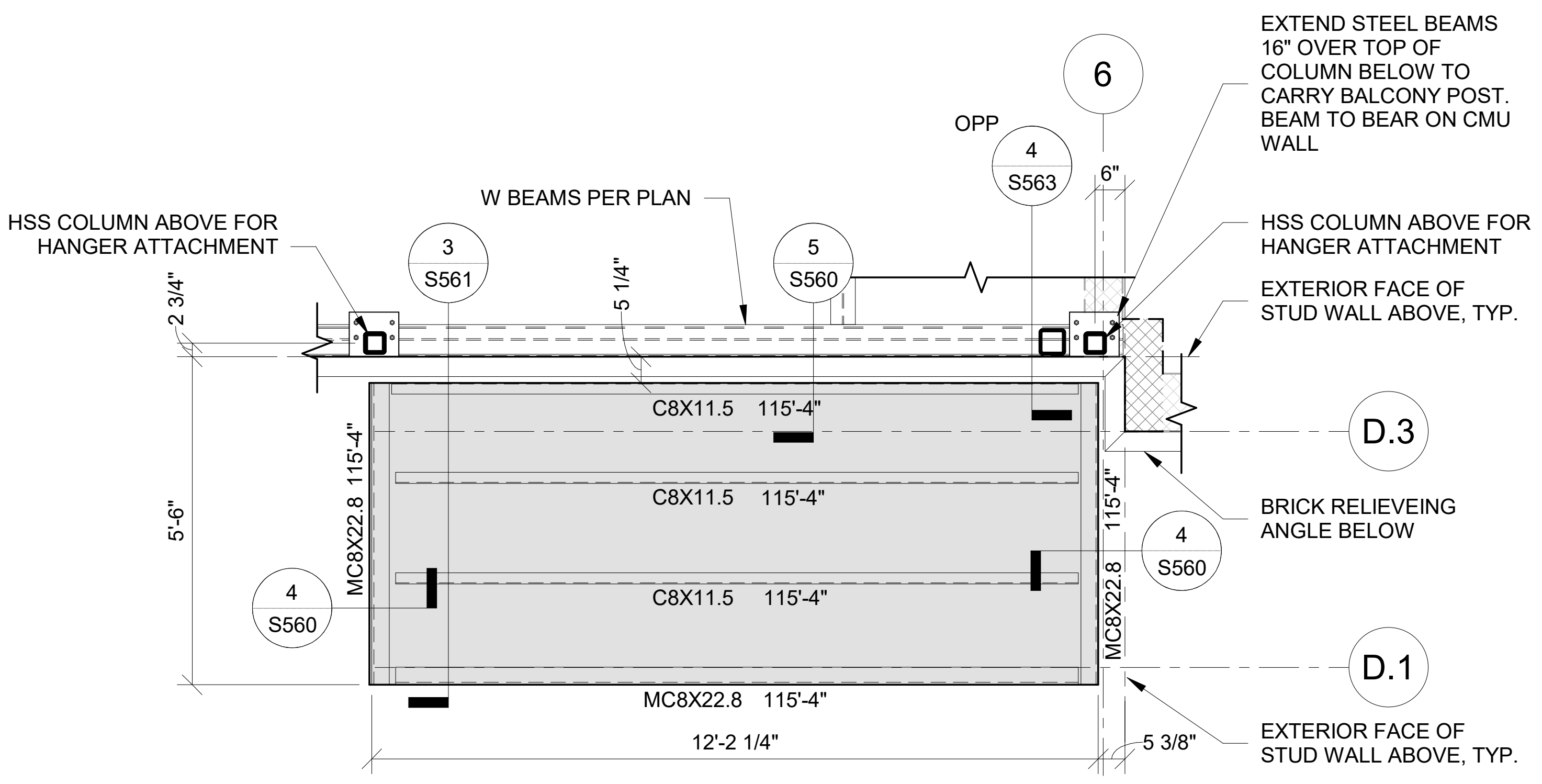

VARIES
6"
6"
HSS COLUMN ABOVE FOR HANGER ATTACHMENT
COLUMN SIZE & LOCATION VARIES, SEE LEVEL 2 FRAMING PLAN
2 S560
5 S560
HSS COLUMN ABOVE FOR HANGER ATTACHMENT
5 1/4"
2 3/4"
5'-6"
C8X11.5 115'-4"
C8X11.5 115'-4"
C8X11.5 115'-4"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
W BEAMS PER PLAN
BRICK RELIEVING ANGLE BELOW
4 S560
EXTERIOR FACE OF STUD WALL ABOVE
EXTERIOR FACE OF STUD WALL ABOVE
5 3/8"
VARIES, SEE ARCH DWGS
5 3/8"

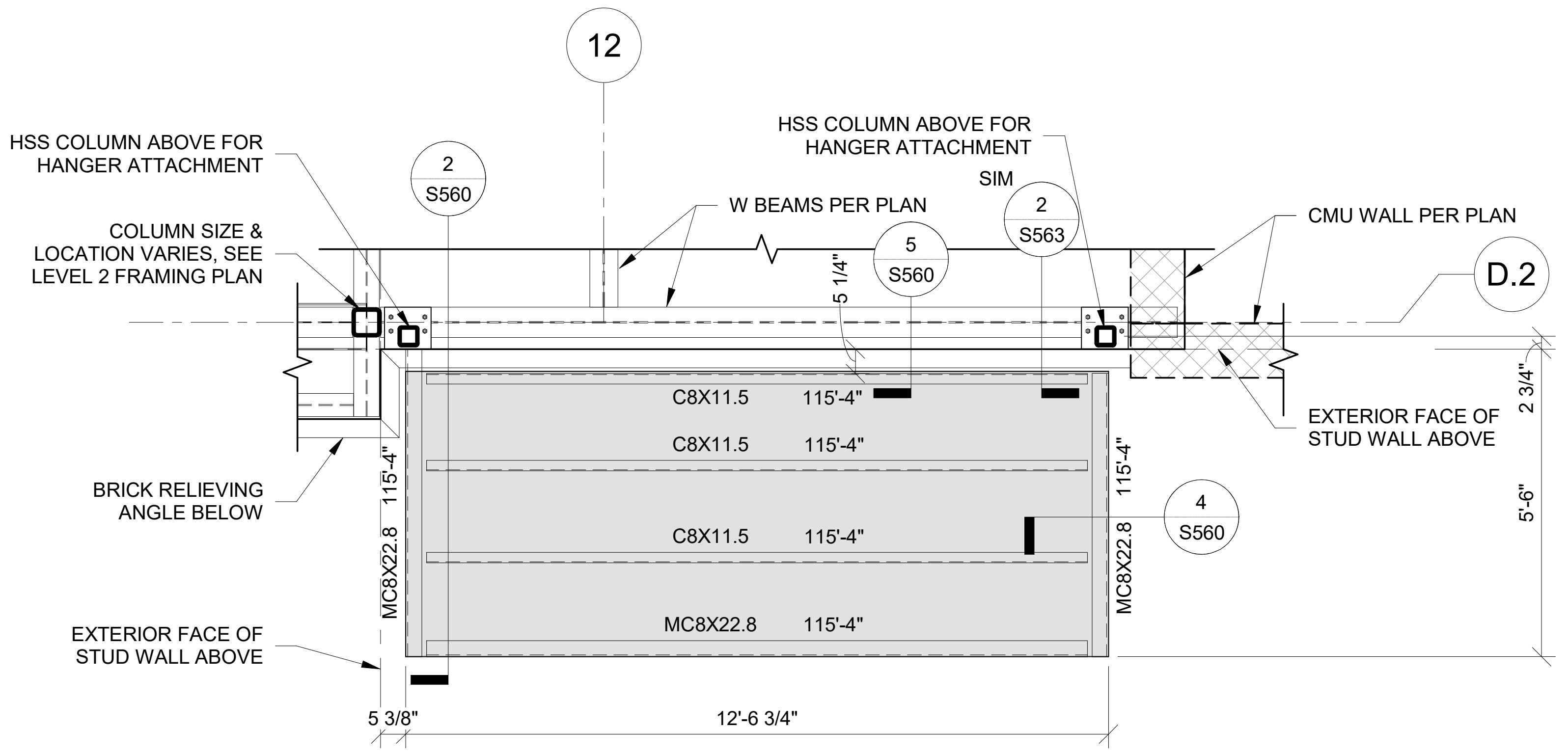
1 S562 TYPICAL BALCONY EAST OF GRID 5.1 AT LEVEL 2
3/8" = 1'-0"


6.6
OPP.
2 S560
5 3/8"
13'-0 1/4"
5 3/8"
EXTERIOR FACE OF STUD WALL ABOVE, TYP.
MC8X22.8 115'-4"
4 S560
C8X11.5 115'-4"
C8X11.5 115'-4"
C8X11.5 115'-4"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
3 S563
2 S563
EXTEND STEEL BEAM 16" OVER TOP OF COLUMN BELOW TO CARRY BALCONY POST. BEAM TO BEAR ON CMU WALL.
BRICK RELIEVING ANGLE BELOW
HSS COLUMN ABOVE FOR HANGER ATTACHMENT
COLUMN SIZE AND LOCATION VARIES, SEE LEVEL 2 FRAMING PLAN
EXTERIOR FACE OF STUD WALL ABOVE, TYP.
W BEAMS PER PLAN
5 1/4"
5'-6"
2 3/4"
F.9
HSS COLUMN ABOVE FOR HANGER ATTACHMENT
VARIES
6"
6"
VARIES

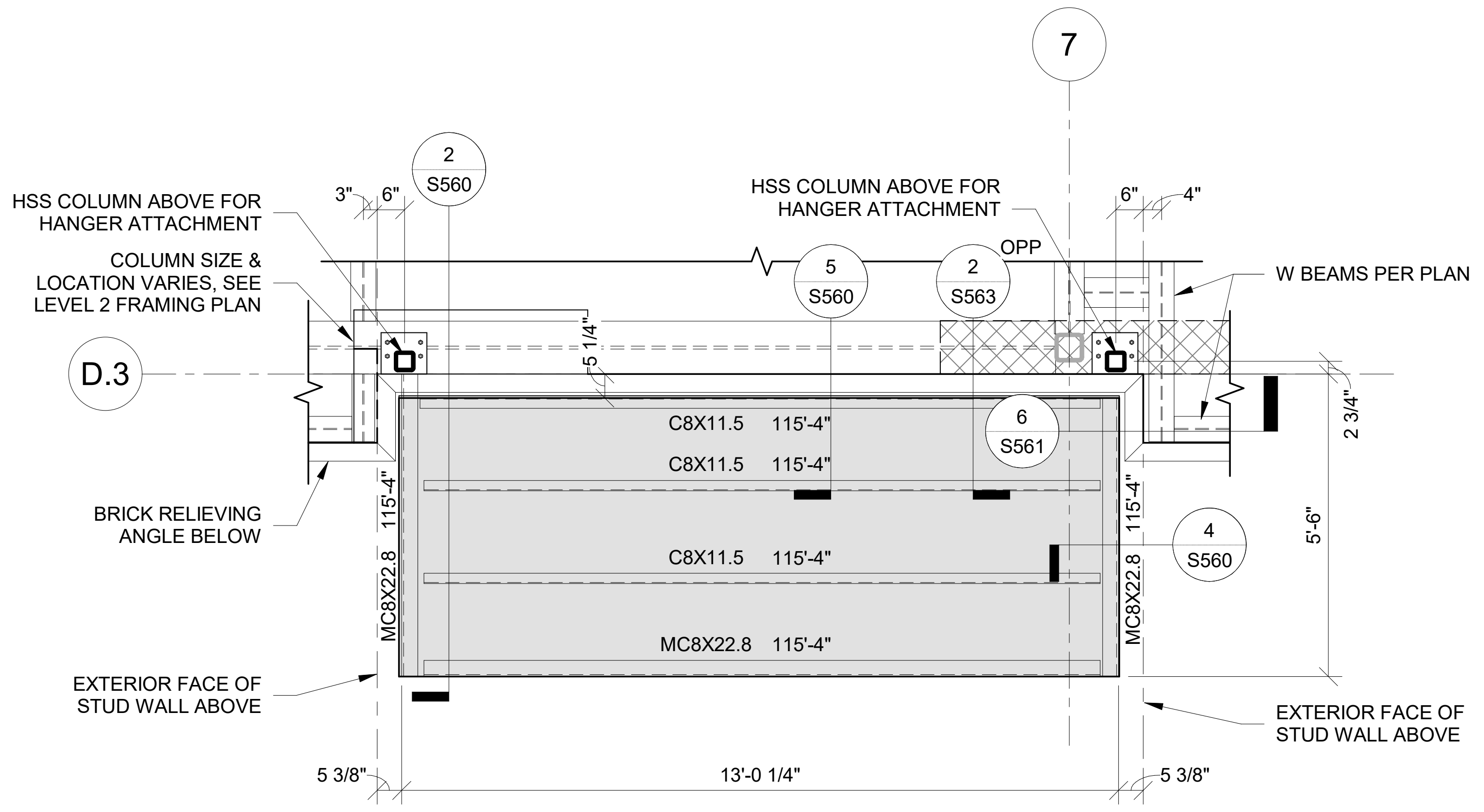
2 S562 NON-TYPICAL BALCONY NEAR GRID INTERSECTION 6.6-F.9 AT LEVEL 2
3/8" = 1'-0"
2


6
EXTEND STEEL BEAMS 16" OVER TOP OF COLUMN BELOW TO CARRY BALCONY POST. BEAM TO BEAR ON CMU WALL
OPP
4 S563
6"
W BEAMS PER PLAN
HSS COLUMN ABOVE FOR HANGER ATTACHMENT
3 S561
5 S560
HSS COLUMN ABOVE FOR HANGER ATTACHMENT
EXTERIOR FACE OF STUD WALL ABOVE, TYP.
2 3/4"
5 1/4"
5'-6"
C8X11.5 115'-4"
C8X11.5 115'-4"
C8X11.5 115'-4"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
D.3
BRICK RELIEVING ANGLE BELOW
4 S560
4 S560
D.1
12'-2 1/4"
5 3/8"
EXTERIOR FACE OF STUD WALL ABOVE, TYP.

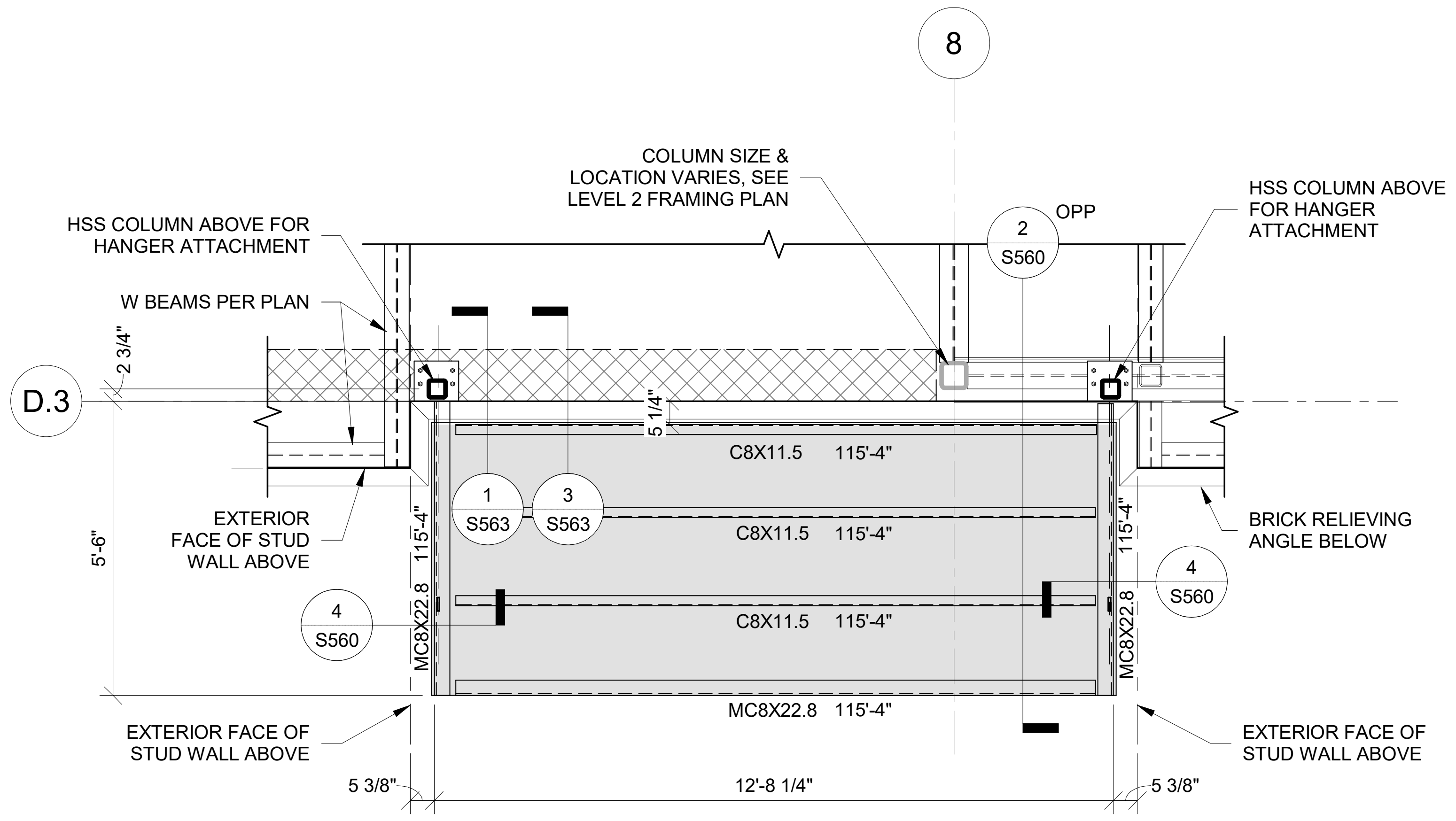
3 S562 NON-TYPICAL BALCONY NEAR GRID INTERSECTION 6-D.1 AT LEVEL 2
3/8" = 1'-0"
2


12
HSS COLUMN ABOVE FOR HANGER ATTACHMENT
2 S560
HSS COLUMN ABOVE FOR HANGER ATTACHMENT
SIM
2 S563
W BEAMS PER PLAN
CMU WALL PER PLAN
COLUMN SIZE & LOCATION VARIES, SEE LEVEL 2 FRAMING PLAN
5 S560
5 1/4"
D.2
EXTERIOR FACE OF STUD WALL ABOVE
C8X11.5 115'-4"
C8X11.5 115'-4"
C8X11.5 115'-4"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
2 3/4"
5'-6"
BRICK RELIEVING ANGLE BELOW
4 S560
EXTERIOR FACE OF STUD WALL ABOVE
5 3/8"
12'-6 3/4"

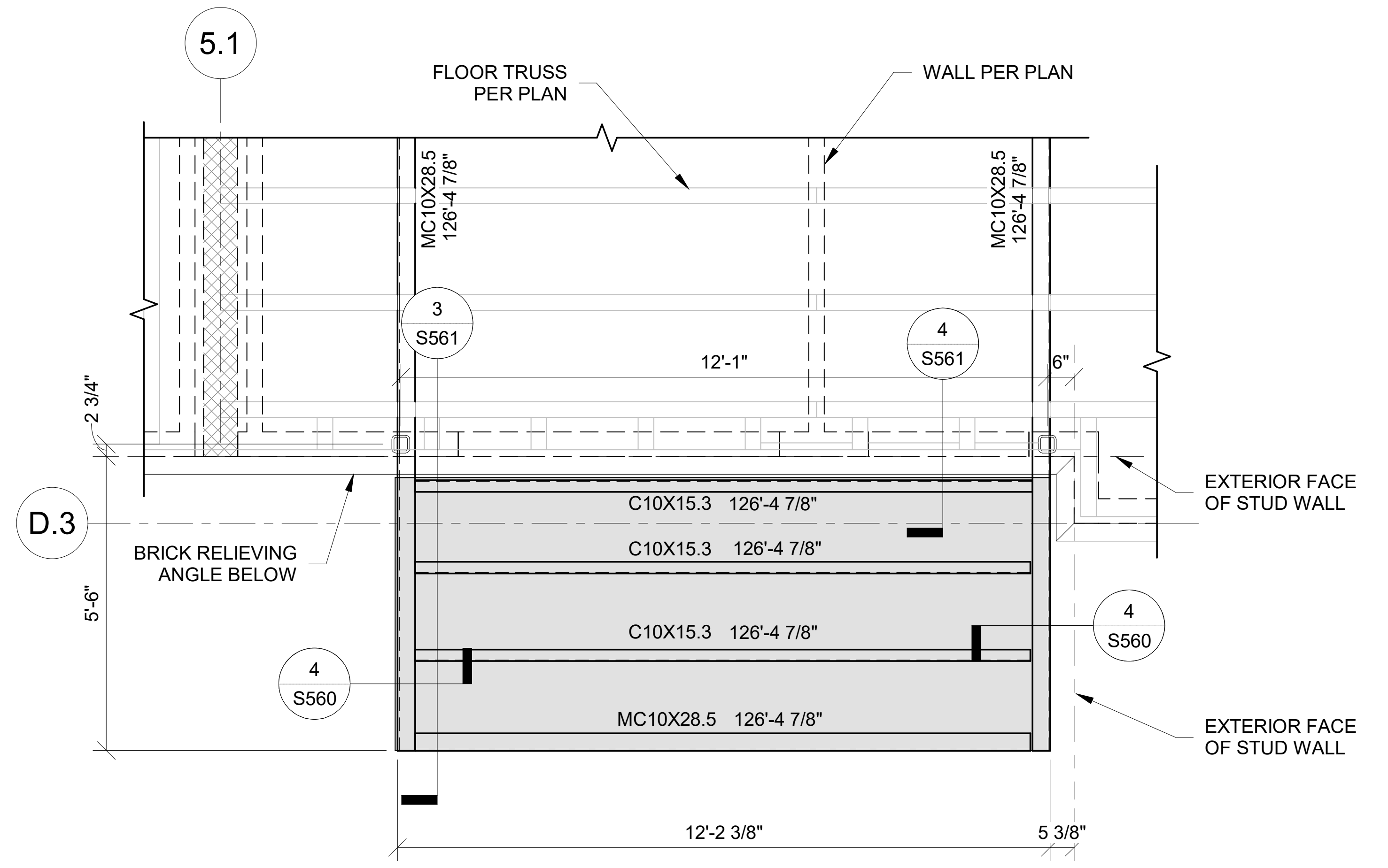
4 S562 NON-TYPICAL BALCONY NEAR GRID INTERSECTION 12-D.2 AT LEVEL 2
3/8" = 1'-0"
2


7
HSS COLUMN ABOVE FOR HANGER ATTACHMENT
3"
6"
2 S560
HSS COLUMN ABOVE FOR HANGER ATTACHMENT
6"
4"
COLUMN SIZE & LOCATION VARIES, SEE LEVEL 2 FRAMING PLAN
5 S560
2 S563
OPP
W BEAMS PER PLAN
D.3
5 1/4"
C8X11.5 115'-4"
C8X11.5 115'-4"
C8X11.5 115'-4"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
6 S561
2 3/4"
5'-6"
BRICK RELIEVING ANGLE BELOW
4 S560
EXTERIOR FACE OF STUD WALL ABOVE
EXTERIOR FACE OF STUD WALL ABOVE
5 3/8"
13'-0 1/4"
5 3/8"

5 S562 NON-TYPICAL BALCONY NEAR GRID INTERSECTION 7-C.3 AT LEVEL 2
3/8" = 1'-0"
2


8
COLUMN SIZE & LOCATION VARIES, SEE LEVEL 2 FRAMING PLAN
HSS COLUMN ABOVE FOR HANGER ATTACHMENT
2 S560
OPP
HSS COLUMN ABOVE FOR HANGER ATTACHMENT
W BEAMS PER PLAN
D.3
2 3/4"
5 1/4"
5'-6"
C8X11.5 115'-4"
C8X11.5 115'-4"
C8X11.5 115'-4"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
MC8X22.8 115'-4"
1 S563
3 S563
EXTERIOR FACE OF STUD WALL ABOVE
BRICK RELIEVING ANGLE BELOW
4 S560
4 S560
EXTERIOR FACE OF STUD WALL ABOVE
EXTERIOR FACE OF STUD WALL ABOVE
5 3/8"
12'-8 1/4"
5 3/8"

6 S562 NON-TYPICAL BALCONY NEAR GRID INTERSECTION 8-D.3 AT LEVEL 2
3/8" = 1'-0"
2



2
7 S562 NON-TYPICAL BALCONY NEAR GRID INTERSECTION 5.1-D.3 AT LEVEL 3
3/8" = 1'-0"

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2 11/11/2024 Addendum #2
3 12/26/2024 Addendum #3

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

THE VILLAGE AT DISCOVERY - LOT 4
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
ADDITIONAL BALCONY PLANS LEVELS 2 AND 3

PROJECT NUMBER: 2023000333

SHEET NUMBER:
S562

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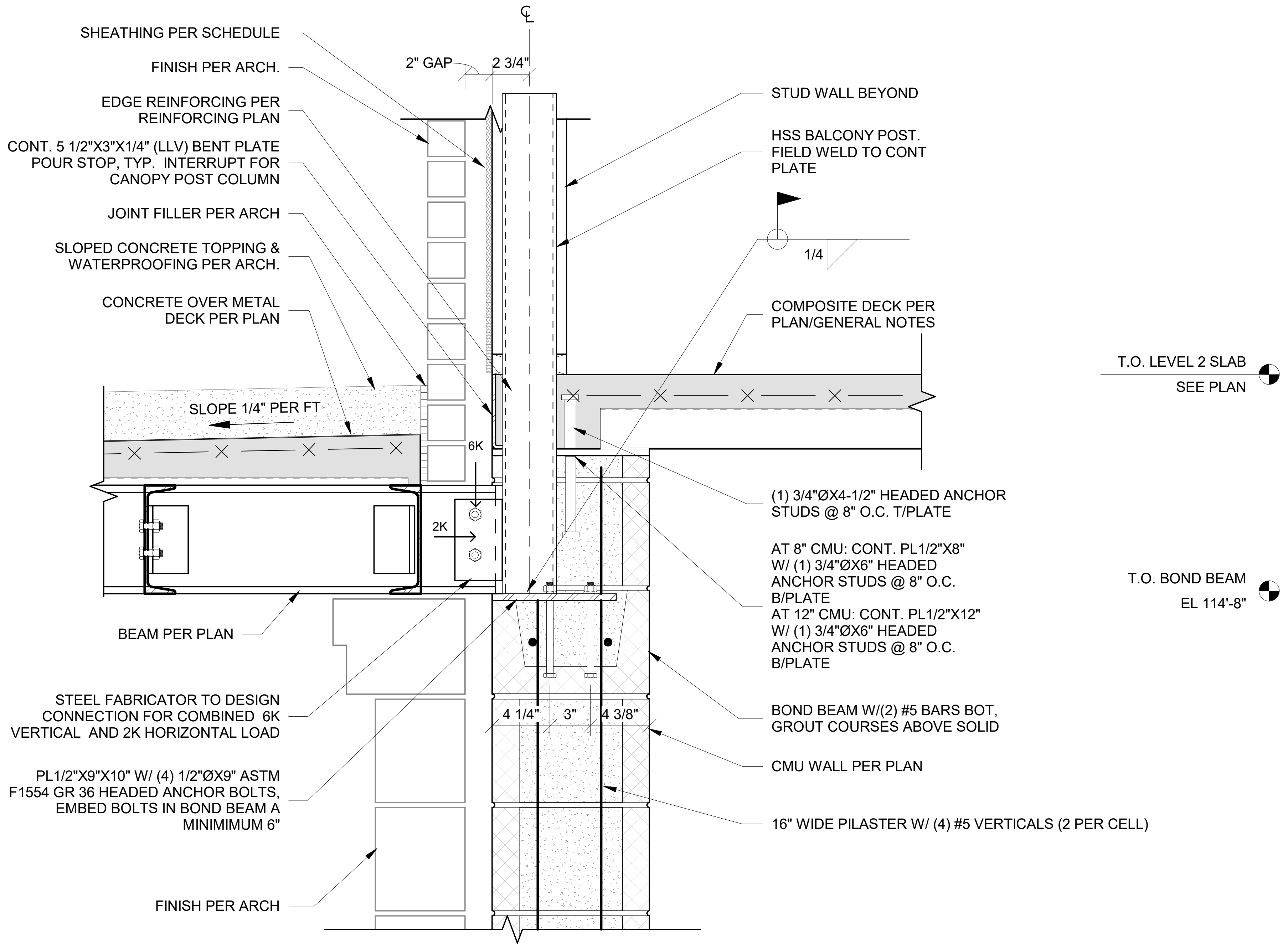
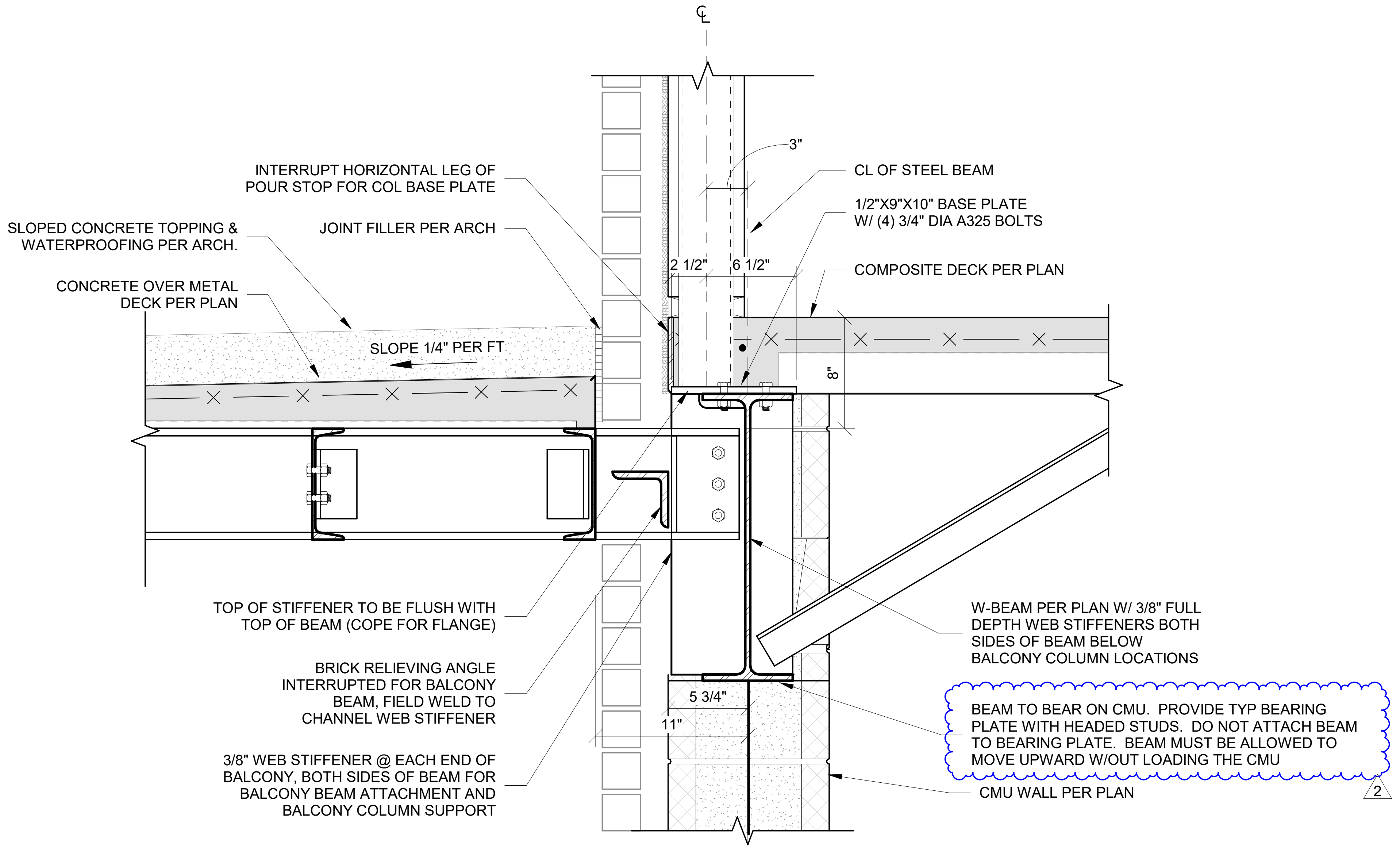
Autodesk Docs://2023000333 - Discovery Park Lee's Summit/2023000333 - Rosemann - Lot 4_R23.rvt


SHEATHING PER SCHEDULE
FINISH PER ARCH.
EDGE REINFORCING PER REINFORCING PLAN
CONT. 5 1/2"X3"X1/4" (LLV) BENT PLATE POUR STOP, TYP. INTERRUPT FOR CANOPY POST COLUMN
JOINT FILLER PER ARCH
SLOPED CONCRETE TOPPING & WATERPROOFING PER ARCH.
CONCRETE OVER METAL DECK PER PLAN
SLOPE 1/4" PER FT
6K
2K
BEAM PER PLAN
STEEL FABRICATOR TO DESIGN CONNECTION FOR COMBINED 6K VERTICAL AND 2K HORIZONTAL LOAD
PL1/2"X9"X10" W/ (4) 1/2"ØX9" ASTM F1554 GR 36 HEADED ANCHOR BOLTS, EMBED BOLTS IN BOND BEAM A MINIMIMUM 6"
FINISH PER ARCH
℄
2" GAP
2 3/4"
STUD WALL BEYOND
HSS BALCONY POST. FIELD WELD TO CONT PLATE
1/4
COMPOSITE DECK PER PLAN/GENERAL NOTES
T.O. LEVEL 2 SLAB
SEE PLAN
(1) 3/4"ØX4-1/2" HEADED ANCHOR STUDS @ 8" O.C. T/PLATE
T.O. BOND BEAM
EL 114'-8"
AT 8" CMU: CONT. PL1/2"X8" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. B/PLATE
AT 12" CMU: CONT. PL1/2"X12" W/ (1) 3/4"ØX6" HEADED ANCHOR STUDS @ 8" O.C. B/PLATE
4 1/4"
3"
4 3/8"
BOND BEAM W/(2) #5 BARS BOT, GROUT COURSES ABOVE SOLID
CMU WALL PER PLAN
16" WIDE PILASTER W/ (4) #5 VERTICALS (2 PER CELL)

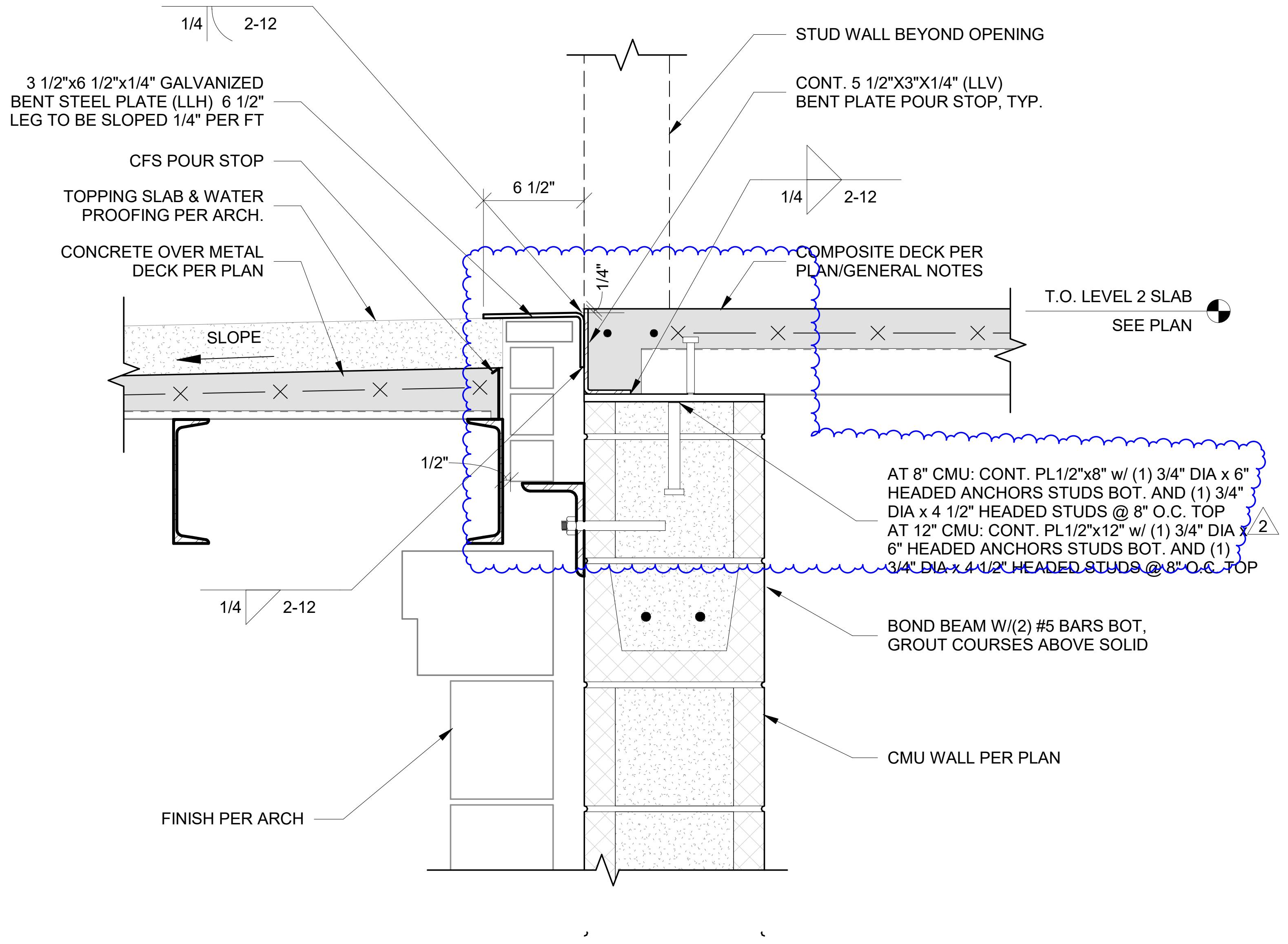
1 S563 BALCONY ATTACHMENT TO CMU

1 1/2" = 1'-0"


℄
3"
INTERRUPT HORIZONTAL LEG OF POUR STOP FOR COL BASE PLATE
CL OF STEEL BEAM
1/2"X9"X10" BASE PLATE W/ (4) 3/4" DIA A325 BOLTS
SLOPED CONCRETE TOPPING & WATERPROOFING PER ARCH.
JOINT FILLER PER ARCH
2 1/2"
6 1/2"
COMPOSITE DECK PER PLAN
CONCRETE OVER METAL DECK PER PLAN
SLOPE 1/4" PER FT
8"
TOP OF STIFFENER TO BE FLUSH WITH TOP OF BEAM (COPE FOR FLANGE)
BRICK RELIEVING ANGLE INTERRUPTED FOR BALCONY BEAM, FIELD WELD TO CHANNEL WEB STIFFENER
3/8" WEB STIFFENER @ EACH END OF BALCONY, BOTH SIDES OF BEAM FOR BALCONY BEAM ATTACHMENT AND BALCONY COLUMN SUPPORT
W-BEAM PER PLAN W/ 3/8" FULL DEPTH WEB STIFFENERS BOTH SIDES OF BEAM BELOW BALCONY COLUMN LOCATIONS
5 3/4"
11"
BEAM TO BEAR ON CMU. PROVIDE TYP BEARING PLATE WITH HEADED STUDS. DO NOT ATTACH BEAM TO BEARING PLATE. BEAM MUST BE ALLOWED TO MOVE UPWARD W/OUT LOADING THE CMU
CMU WALL PER PLAN
2

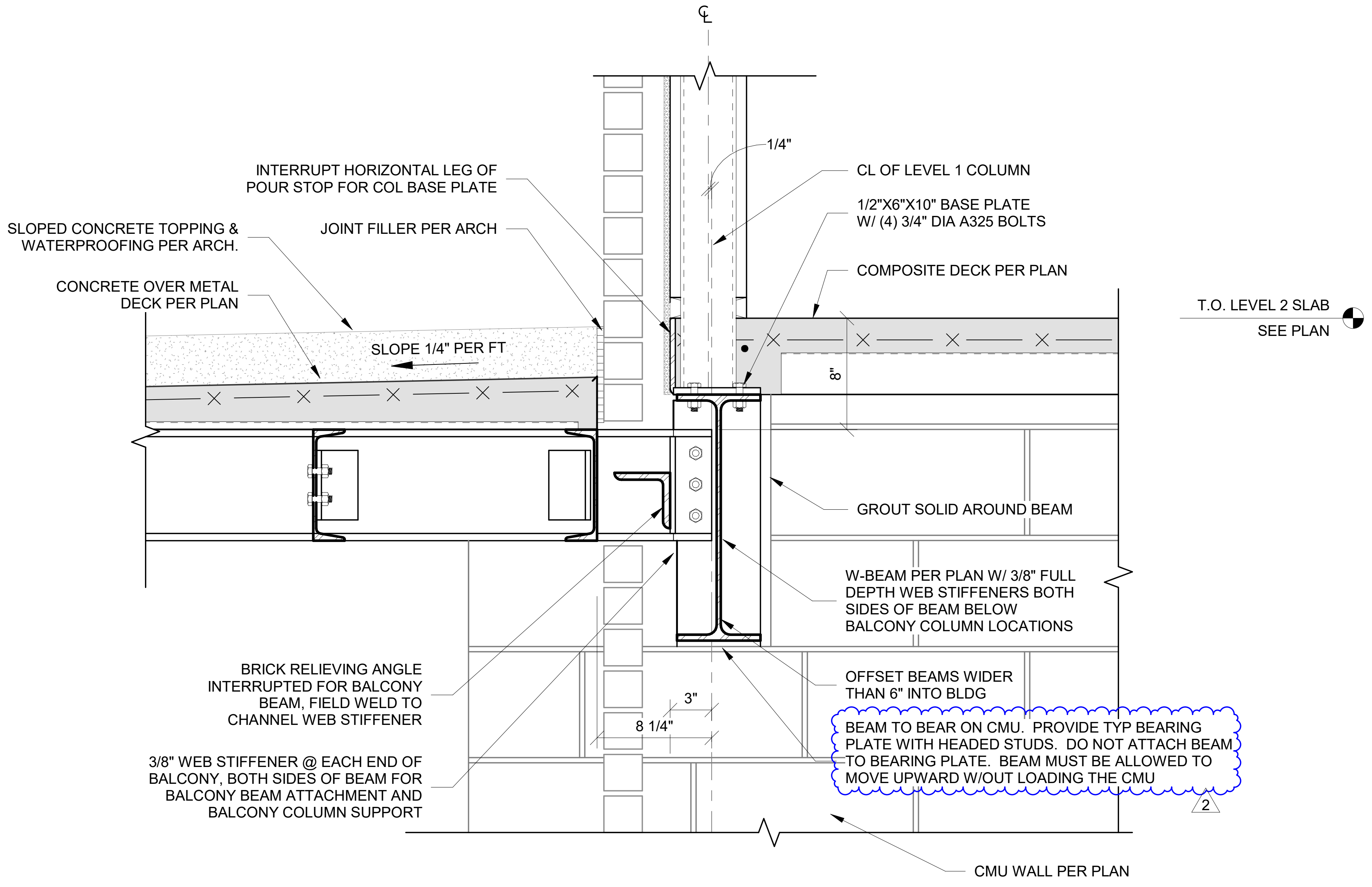
2 S563 BALCONY ATTACHMENT TO BEAM OVER CMU

1 1/2" = 1'-0"


1/4 2-12
3 1/2"x6 1/2"x1/4" GALVANIZED BENT STEEL PLATE (LLH) 6 1/2" LEG TO BE SLOPED 1/4" PER FT
CFS POUR STOP
TOPPING SLAB & WATER PROOFING PER ARCH.
CONCRETE OVER METAL DECK PER PLAN
SLOPE
6 1/2"
1/4"
1/2"
1/4 2-12
STUD WALL BEYOND OPENING
CONT. 5 1/2"X3"X1/4" (LLV) BENT PLATE POUR STOP, TYP.
1/4 2-12
COMPOSITE DECK PER PLAN/GENERAL NOTES
T.O. LEVEL 2 SLAB
SEE PLAN
AT 8" CMU: CONT. PL1/2"x8" w/ (1) 3/4" DIA x 6" HEADED ANCHORS STUDS BOT. AND (1) 3/4" DIA x 4 1/2" HEADED STUDS @ 8" O.C. TOP AT 12" CMU: CONT. PL1/2"x12" w/ (1) 3/4" DIA x 6" HEADED ANCHORS STUDS BOT. AND (1) 3/4" DIA x 4 1/2" HEADED STUDS @ 8" O.C. TOP
2
BOND BEAM W/(2) #5 BARS BOT, GROUT COURSES ABOVE SOLID
CMU WALL PER PLAN
FINISH PER ARCH

3 S563 BALCONY SECTION AT DOOR THRESHOLD - LEVEL 2

1 1/2" = 1'-0"


℄
1/4"
INTERRUPT HORIZONTAL LEG OF POUR STOP FOR COL BASE PLATE
CL OF LEVEL 1 COLUMN
1/2"X6"X10" BASE PLATE W/ (4) 3/4" DIA A325 BOLTS
SLOPED CONCRETE TOPPING & WATERPROOFING PER ARCH.
JOINT FILLER PER ARCH
COMPOSITE DECK PER PLAN
CONCRETE OVER METAL DECK PER PLAN
T.O. LEVEL 2 SLAB
SEE PLAN
SLOPE 1/4" PER FT
8"
GROUT SOLID AROUND BEAM
W-BEAM PER PLAN W/ 3/8" FULL DEPTH WEB STIFFENERS BOTH SIDES OF BEAM BELOW BALCONY COLUMN LOCATIONS
BRICK RELIEVING ANGLE INTERRUPTED FOR BALCONY BEAM, FIELD WELD TO CHANNEL WEB STIFFENER
OFFSET BEAMS WIDER THAN 6" INTO BLDG
3"
8 1/4"
BEAM TO BEAR ON CMU. PROVIDE TYP BEARING PLATE WITH HEADED STUDS. DO NOT ATTACH BEAM TO BEARING PLATE. BEAM MUST BE ALLOWED TO MOVE UPWARD W/OUT LOADING THE CMU
3/8" WEB STIFFENER @ EACH END OF BALCONY, BOTH SIDES OF BEAM FOR BALCONY BEAM ATTACHMENT AND BALCONY COLUMN SUPPORT
2
CMU WALL PER PLAN

4 S563 BALCONY ATTACHMENT TO BEAM OVER CMU

1 1/2" = 1'-0"

PRINTS ISSUED

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REVISIONS:

1	10/21/2024	Addendum #1
2	11/11/2024	Addendum #2
3	12/26/2024	Addendum #3

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EXPIRES: DECEMBER 31, 2024

THE VILLAGE AT DISCOVERY - LOT 4

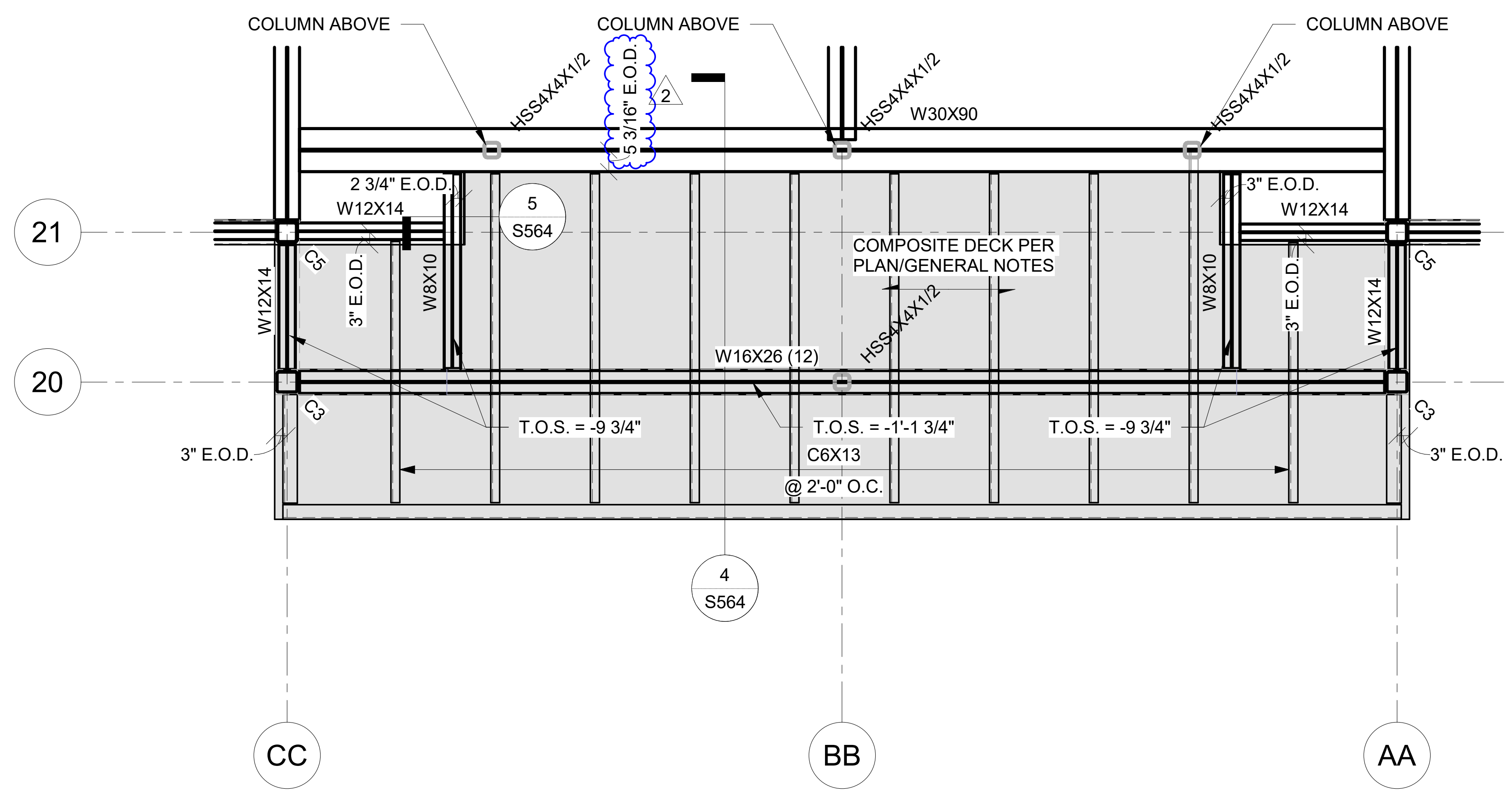
1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
ADDITIONAL BALCONY DETAILS - LEVEL 3

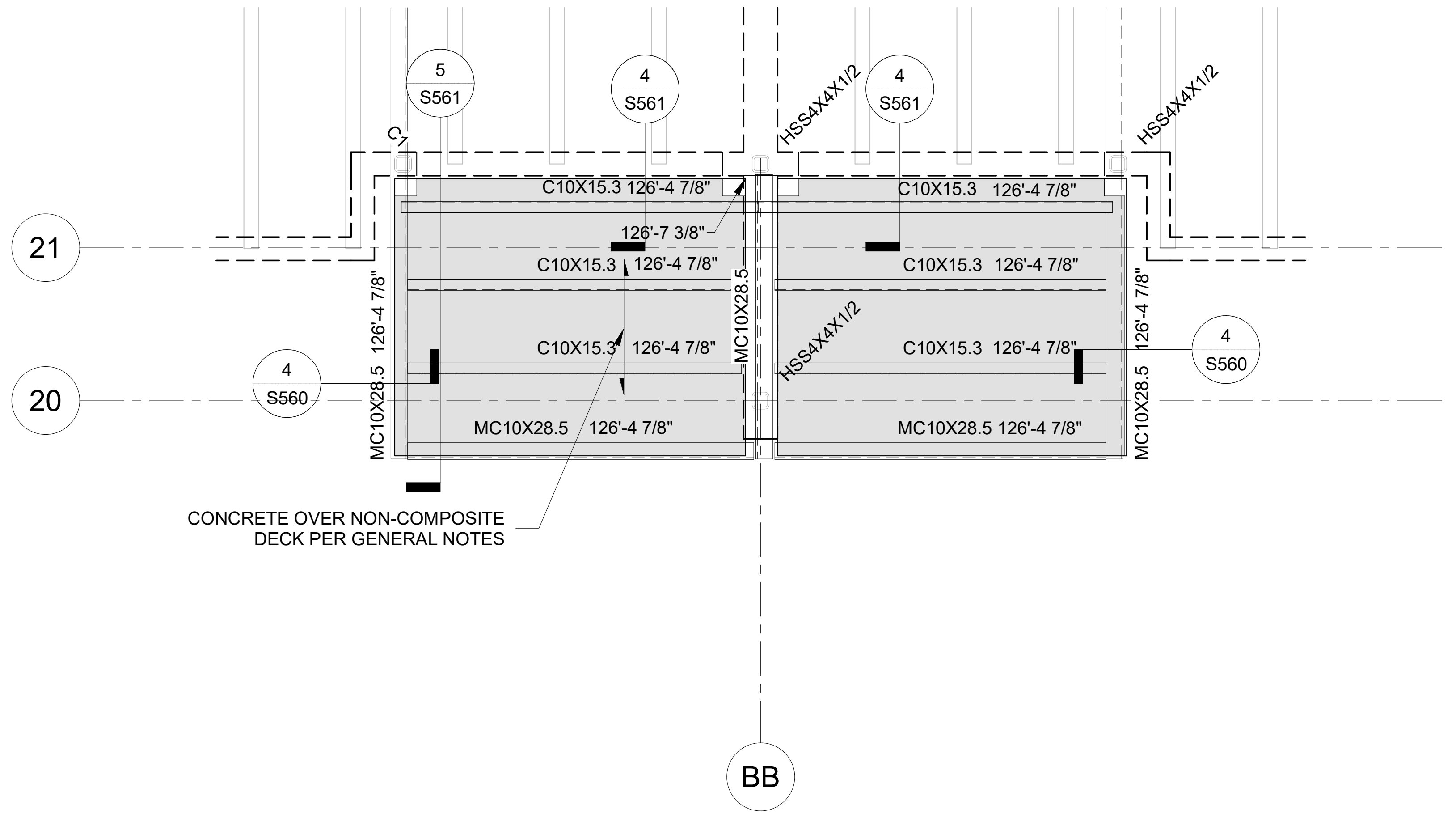
PROJECT NUMBER: 2023000333

SHEET NUMBER:

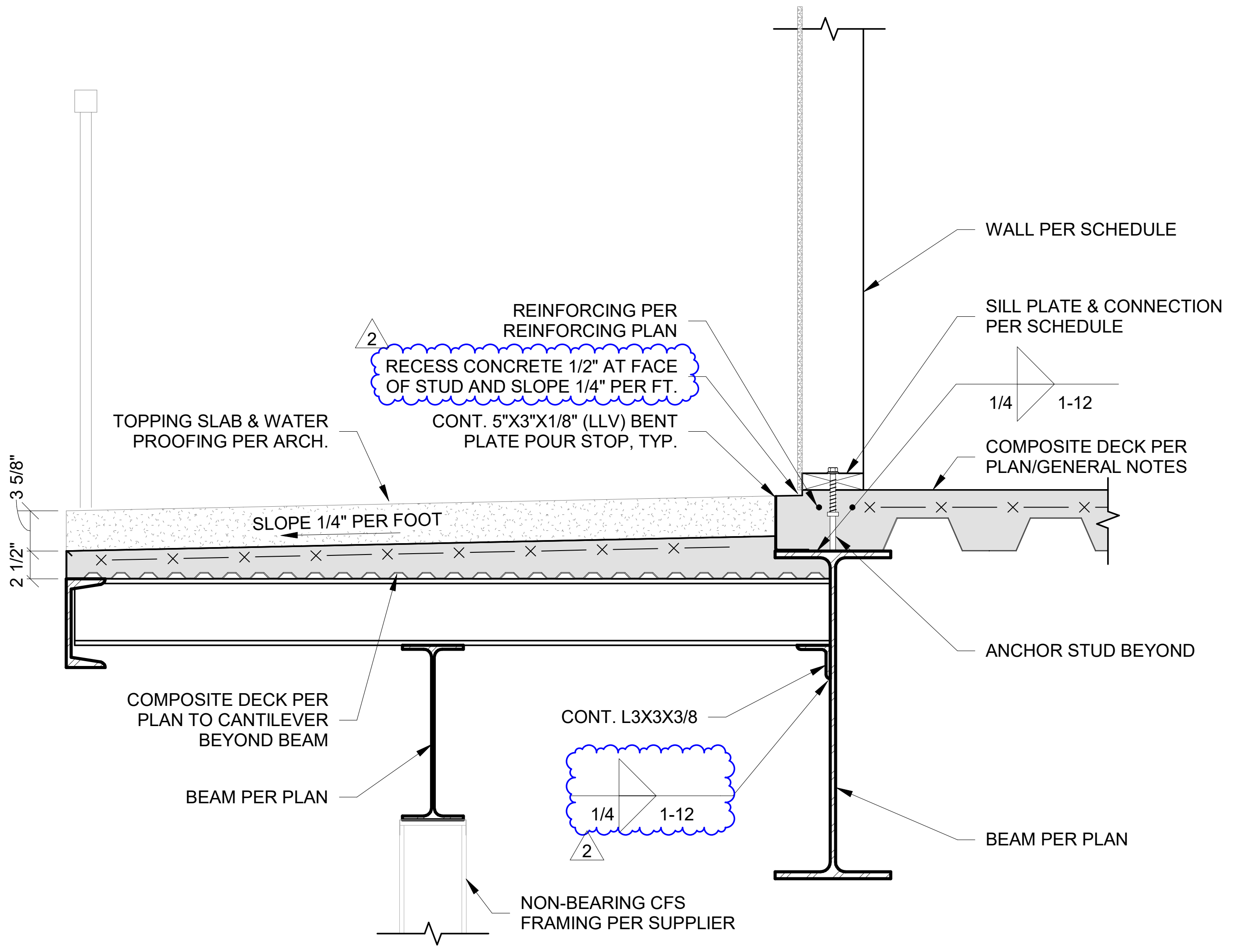
S563



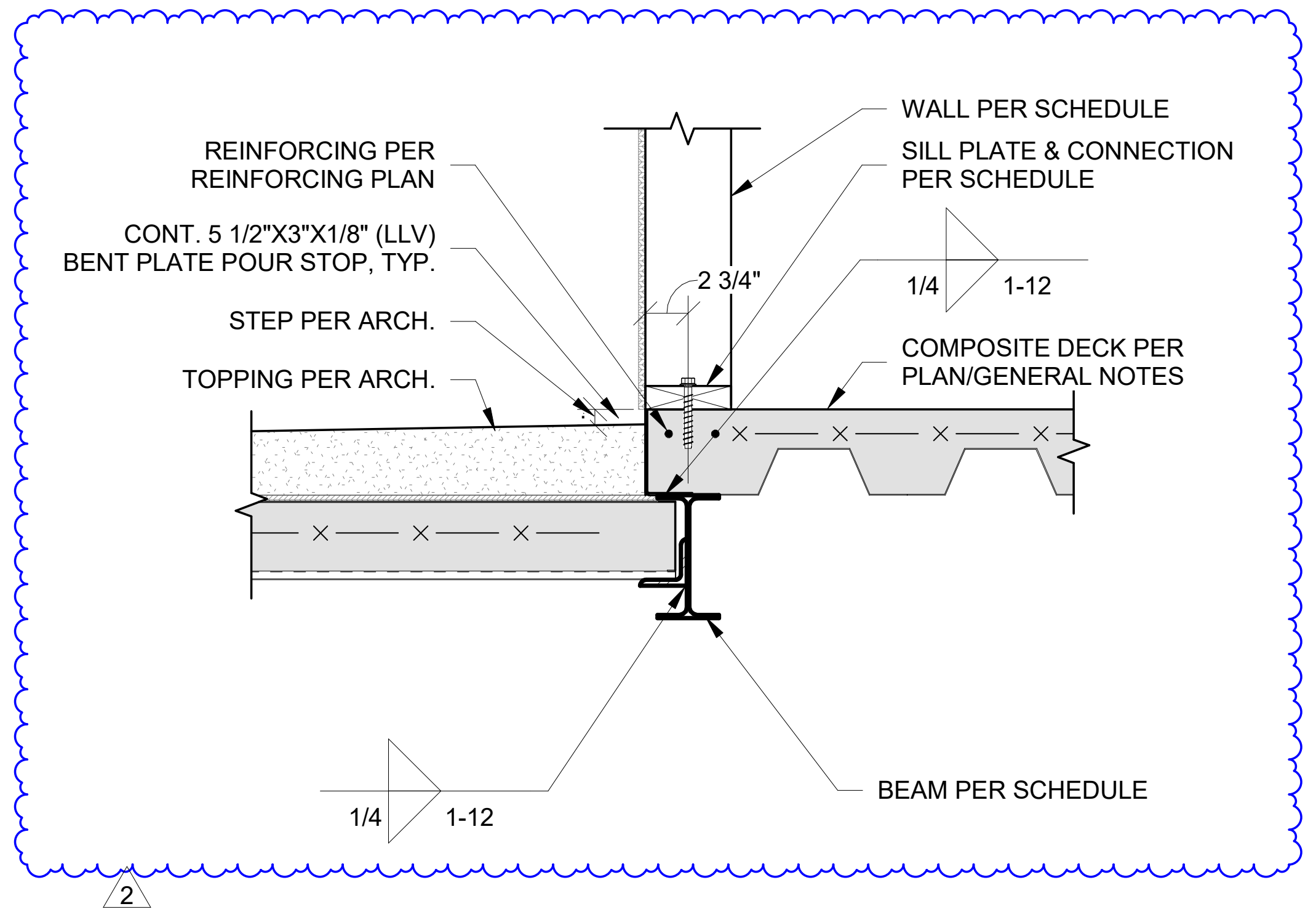
1
S564
NON-TYPICAL BALCONY NEAR AT GRID 20 AT LEVEL 2
3/8" = 1'-0"



3
S564
NON-TYPICAL BALCONY AT GRID 20 AT LEVEL 3
3/8" = 1'-0"



4
S564
ENTRY BALCONY DETAIL
1" = 1'-0"



5
S564
BALCONY SECTION
1" = 1'-0"

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01/25/2024 - CITY SUBMITTAL

REVISIONS:

2	11/11/2024	Addendum #2
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EXPIRES: DECEMBER 31, 2024

THE VILLAGE AT DISCOVERY - LOT 4

1921 NE DISCOVERY AVE.
LEE'S SUMMIT, MO 64064

SHEET TITLE
MAIN ENTRY BALCONY
LEVEL 2/ LEVEL 3

PROJECT NUMBER: 2023000333

SHEET NUMBER:

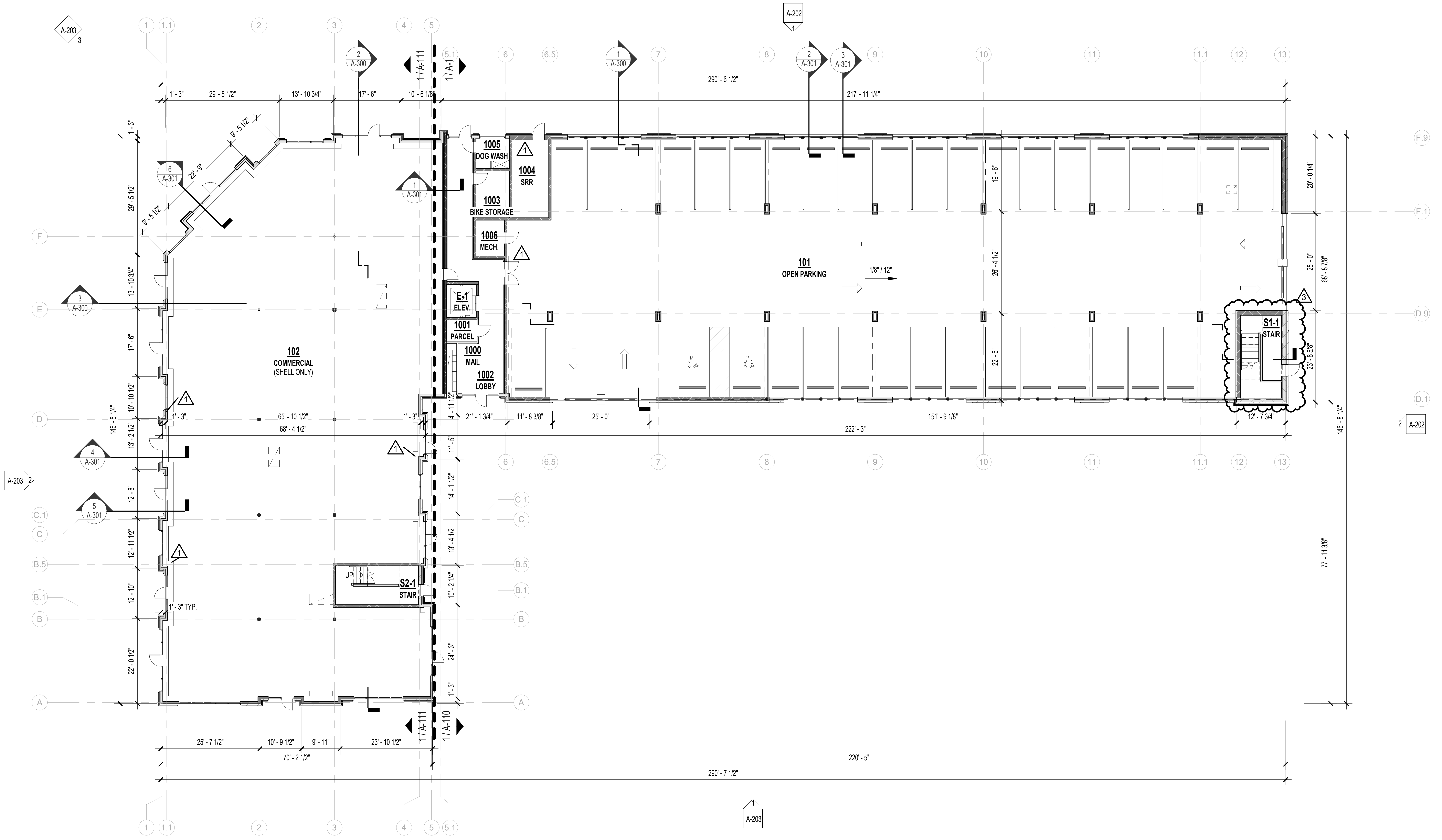
S564

12/24/2024 5:56:50 PM
Autodesk Docs://2023000333 - Discovery Park Lee's Summit/2023000333 - Rosemann - Lot 4_R23.rvt

REFERENCE G-003 FOR GENERAL NOTES

PLAN LEGEND

▭	PARTIAL HEIGHT PARTITION
▭	NON-RATED PARTITION; SEE ASSEMBLIES
▬	1 HR RATED PARTITION; SEE ASSEMBLIES
▬	2 HR RATED PARTITION; SEE ASSEMBLIES
A1	WINDOW TYPE; SEE WINDOW SCHEDULE
101	DOOR TYPE; SEE DOOR SCHEDULE
P7	PARTITION TYPE; SEE ASSEMBLIES
6' - 0"	FRAMING DIMENSIONS
6' - 0" LAYOUT LAYOUT	LAYOUT LINE DIMENSIONS



1 1ST FLOOR PLAN

1/16" = 1'-0"

4' 8' 16' 32'

N

PRINTS ISSUED

01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/24	ADDENDUM #1
3	12/20/24	ADDENDUM #3

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p: 816.472.1448

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STATE OF MISSOURI
DAVID EUGENE HENDRIKSE
NUMBER A-7305
REGISTERED ARCHITECT

12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
FIRST FLOOR PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

A-101

12/20/2024 7:06:19 PM
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REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-101 FOR PLAN LEGEND

UNITS - SHEET REFERENCE	
NAME	SHEET NO.
ABERDEEN "A"	A-400
ABERDEEN "B"	A-402
ABERDEEN - ALT	A-401
ADRIAN	A-403
ADRIAN CORNER	A-404
ARA	A-406
ARA - ALT	A-405
ARA CORNER	A-407
DELTA	A-408
HURLEY	A-409
LANA	A-410

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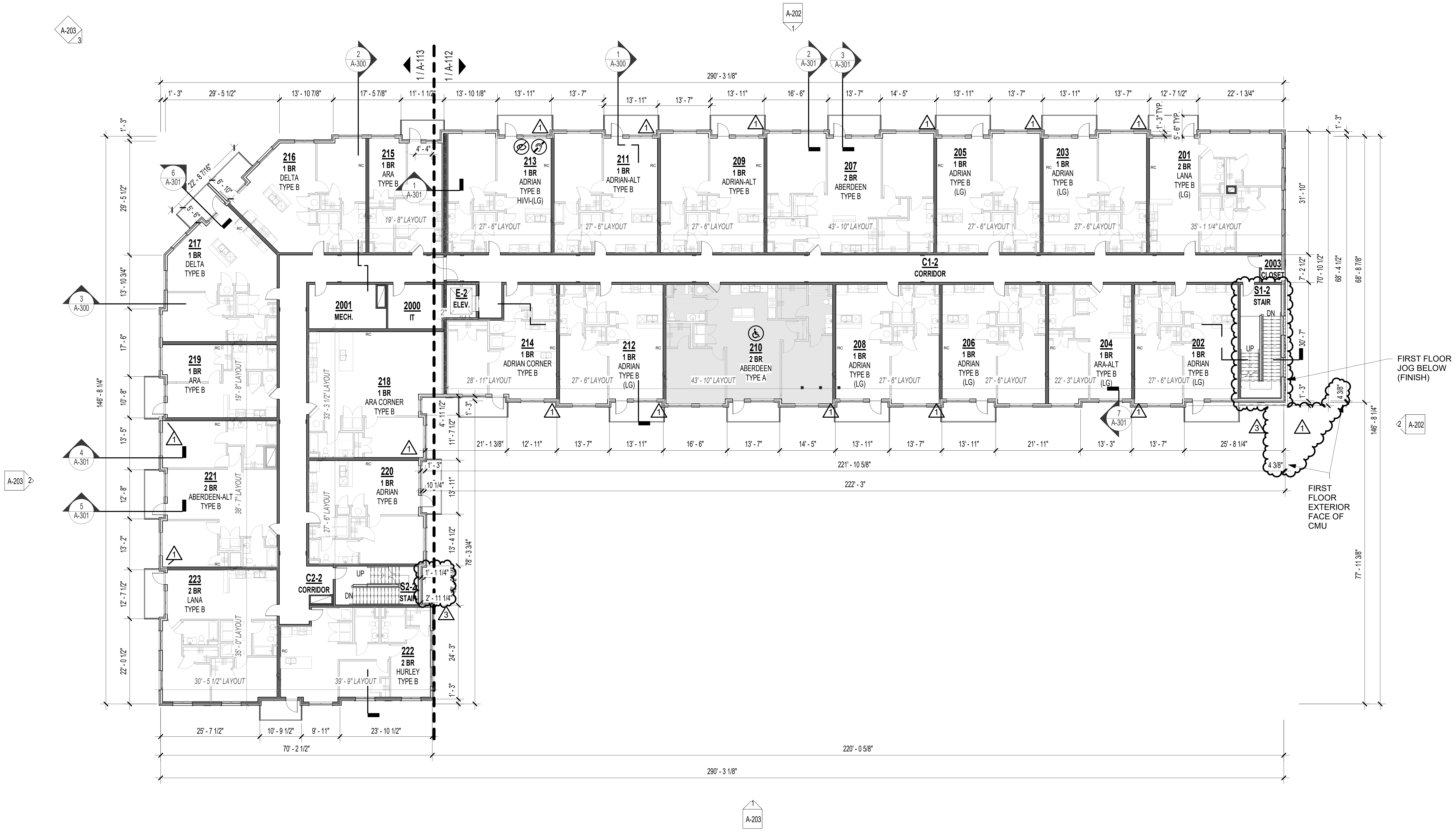

1 SECOND FLOOR PLAN
1/16" = 1'-0"

4' 8' 16' 32'
N

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THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
SECOND FLOOR PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

A-102

12/20/2024 7:06:38 PM
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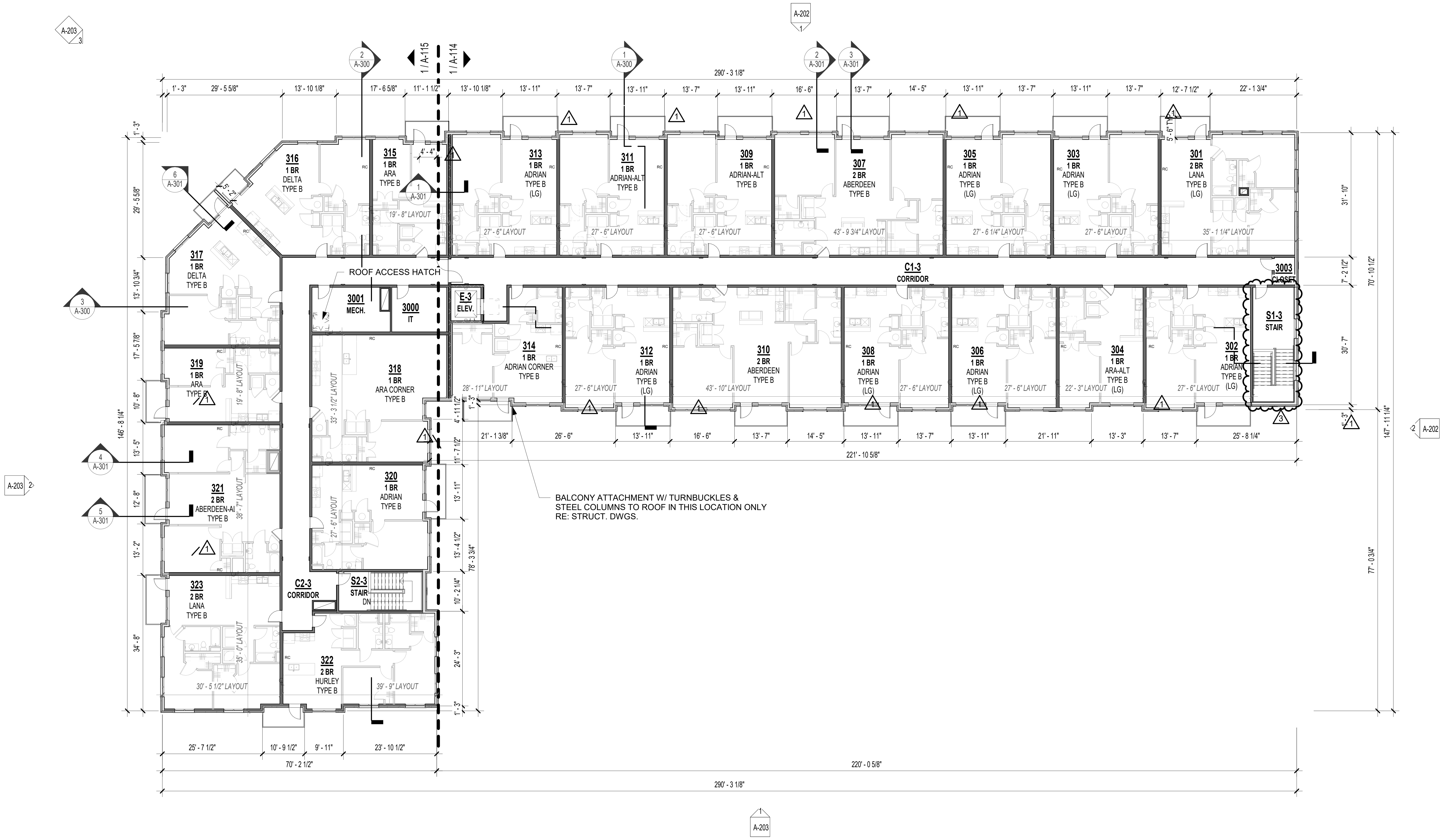
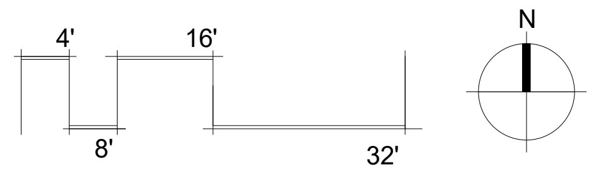
REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-101 FOR PLAN LEGEND
REFERENCE A-102 FOR UNIT SHEET REFERENCE



1 THIRD FLOOR PLAN
1/16" = 1'-0"



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12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
THIRD FLOOR PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

A-103

12/20/2024 7:06:56 PM
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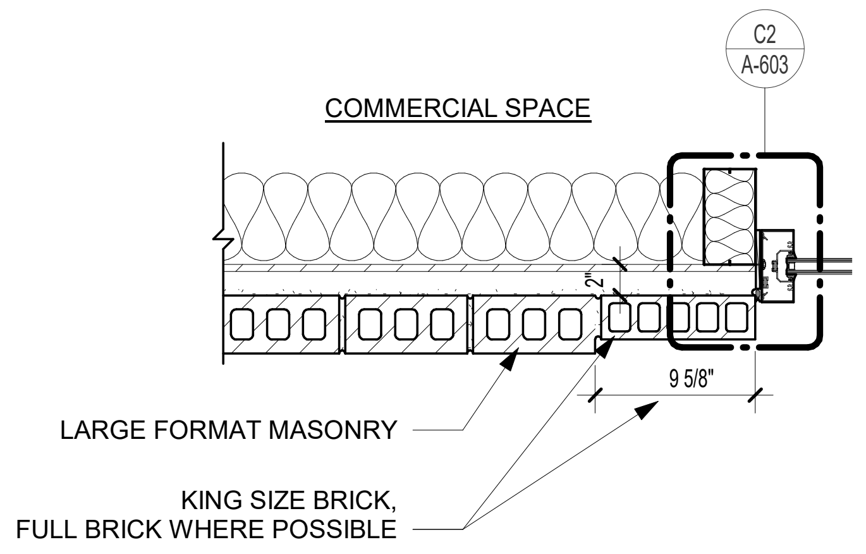
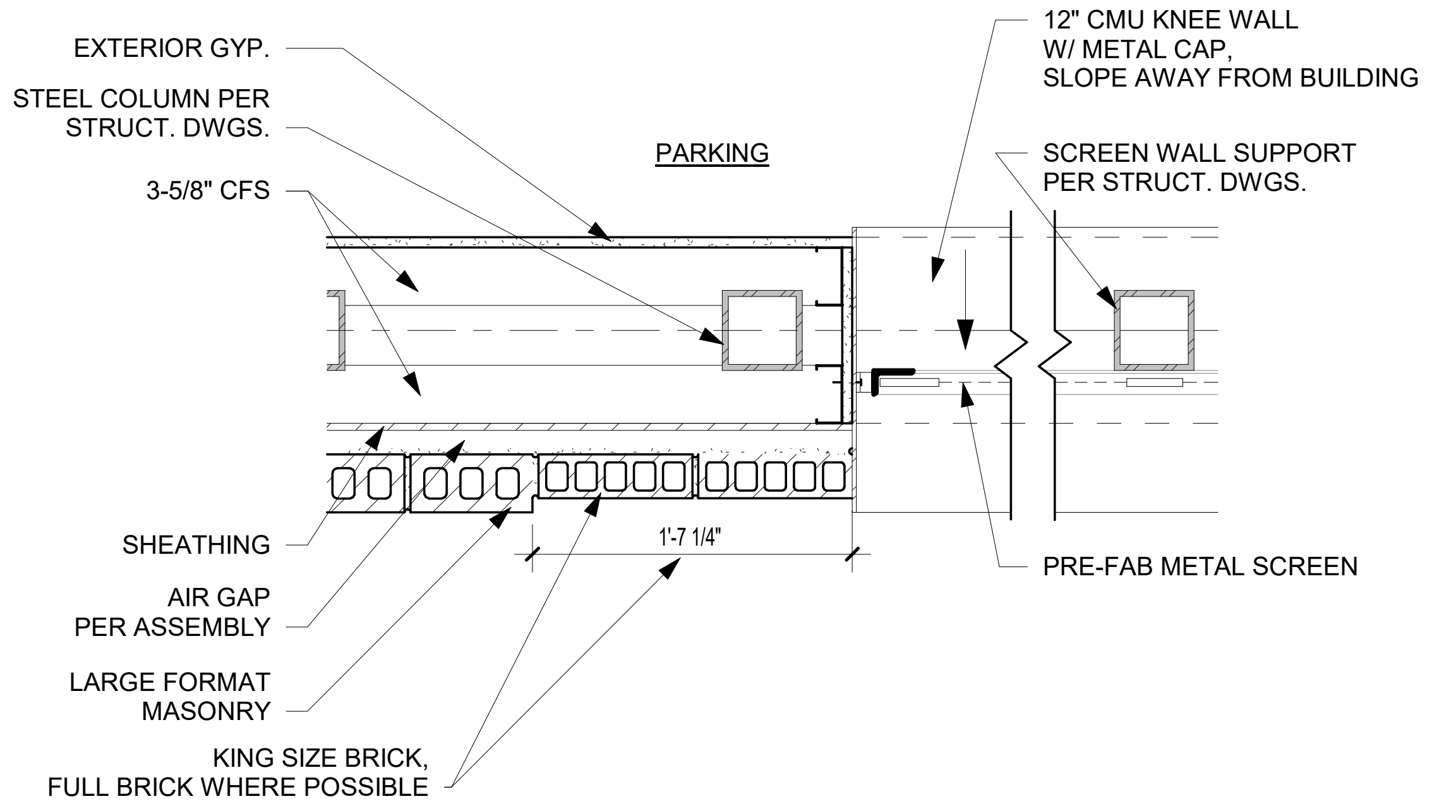
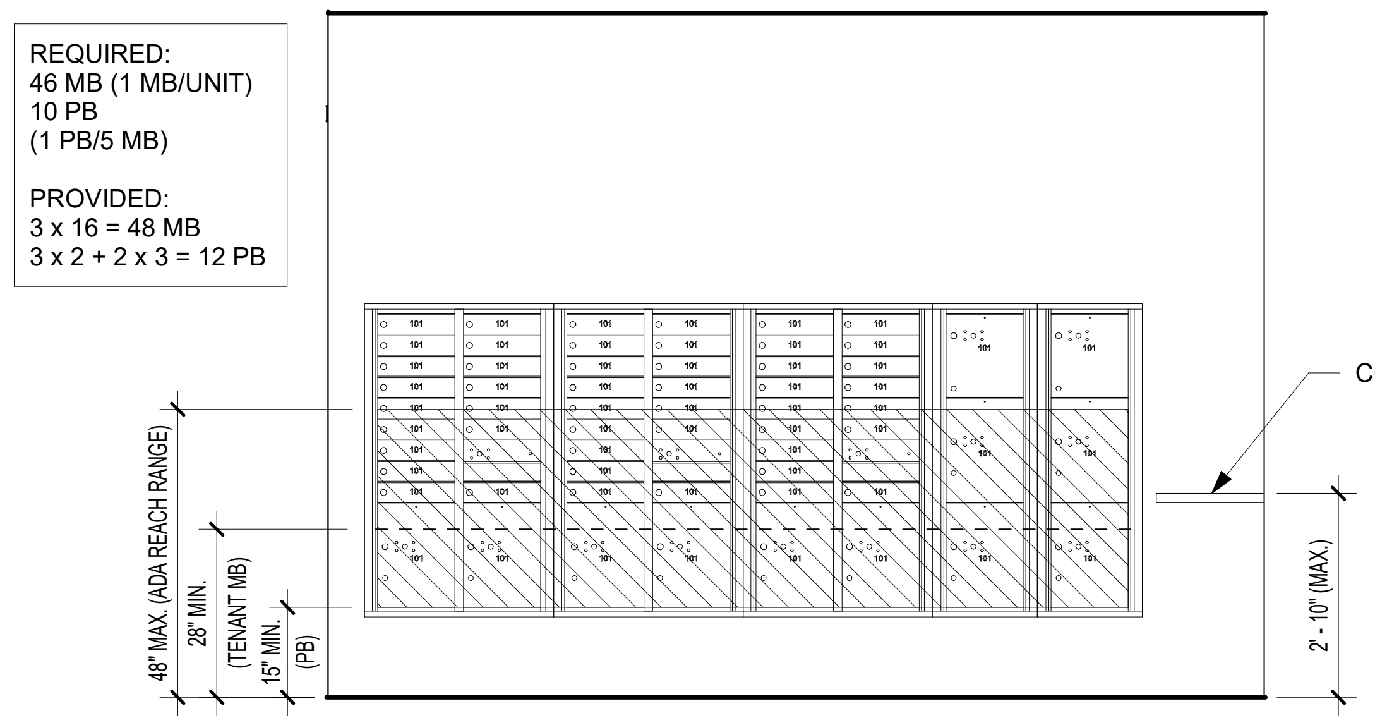


4 BRICK TRANSITION @ STOREFRONT (PLAN)
1" = 1'-0"

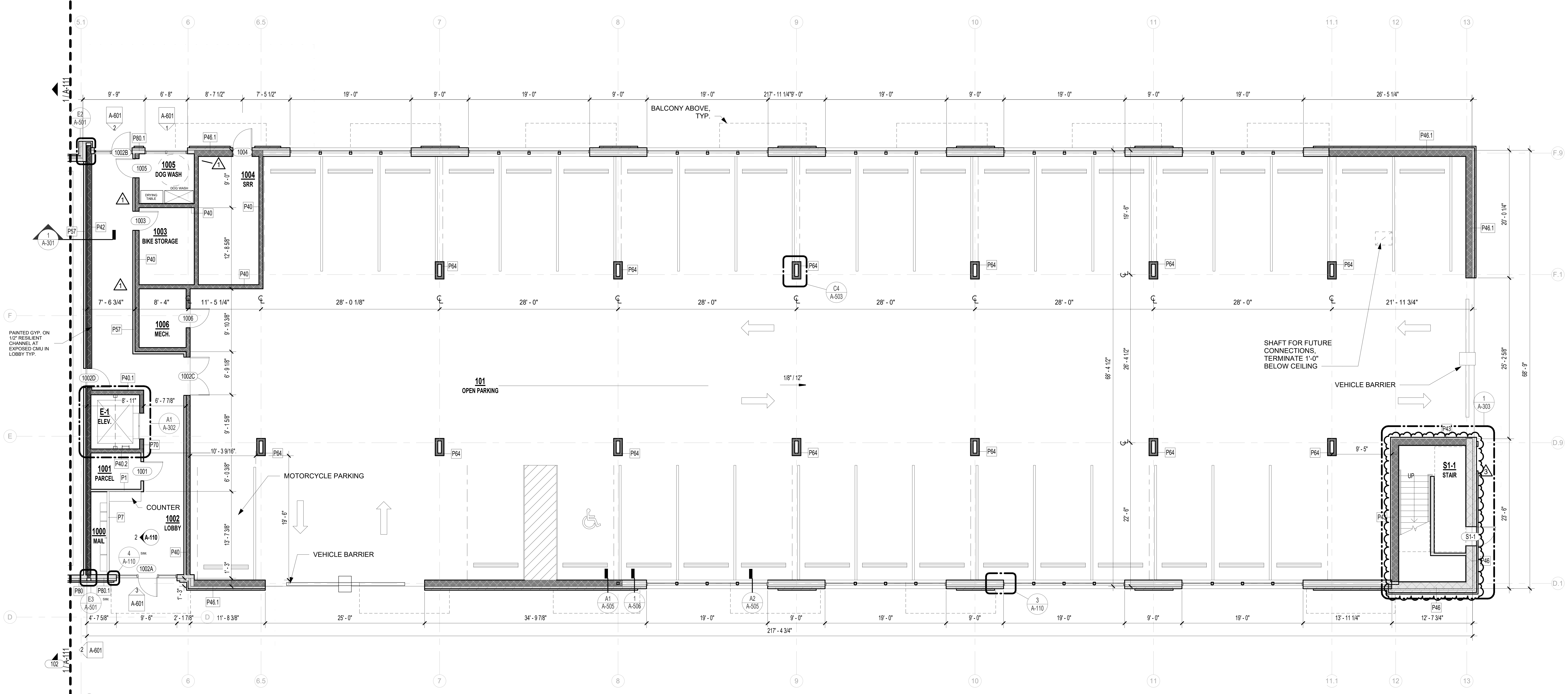

EXTERIOR GYP.
STEEL COLUMN PER STRUCT. DWGS.
3-5/8" CFS
PARKING
12" CMU KNEE WALL W/ METAL CAP, SLOPE AWAY FROM BUILDING
SCREEN WALL SUPPORT PER STRUCT. DWGS.
SHEATHING
AIR GAP PER ASSEMBLY
LARGE FORMAT MASONRY
KING SIZE BRICK, FULL BRICK WHERE POSSIBLE
1'-7 1/4"
PRE-FAB METAL SCREEN

3 BRICK TRANSITION @ SCREEN (PLAN)
1" = 1'-0"


REQUIRED:
46 MB (1 MB/UNIT)
10 PB
(1 PB/5 MB)

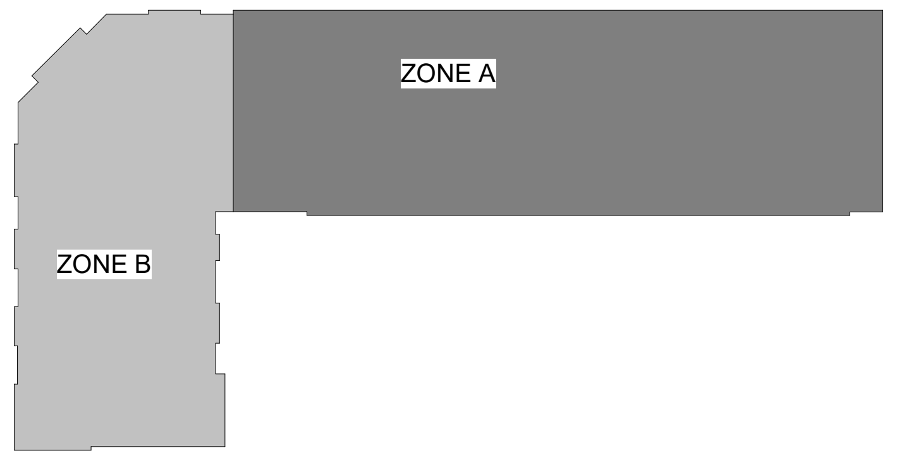
PROVIDED:
3 x 16 = 48 MB
3 x 2 + 2 x 3 = 12 PB

2 MAILBOXES
3/8" = 1'-0"



1 1ST FLOOR ENLARGED PLAN - ZONE A

1/8" = 1'-0"



12/20/2024 7:07:30 PM
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NUMBER A-7305
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
ENLARGED PLAN - 1ST FLOOR
ZONE A

PROJECT NUMBER: 23099

SHEET NUMBER:

A-110

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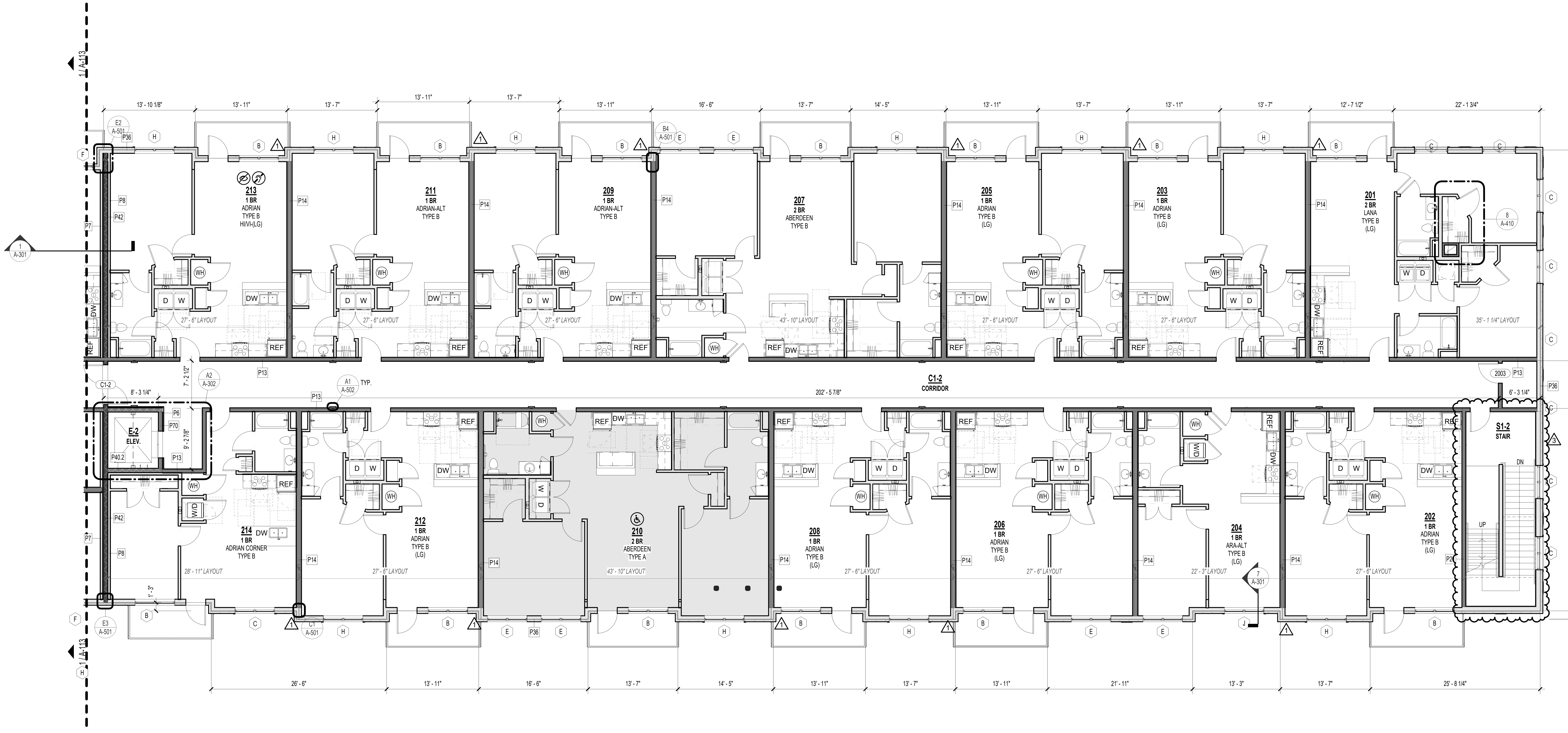
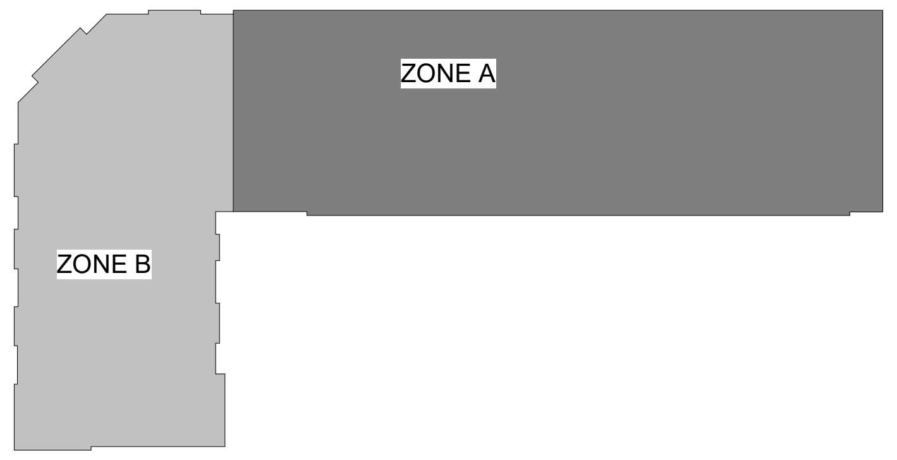


1 SECOND FLOOR ENLARGED PLAN - ZONE A
1/8" = 1'-0"



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DAVID EUGENE HENDRIKSE
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12/20/24

THE VILLAGE AT DISCOVERY - LOT 4
LEE'S SUMMIT, MO

SHEET TITLE
ENLARGED PLAN - 2ND FLOOR
ZONE A

PROJECT NUMBER: 23099

SHEET NUMBER:

A-112

12/20/2024 7:07:48 PM
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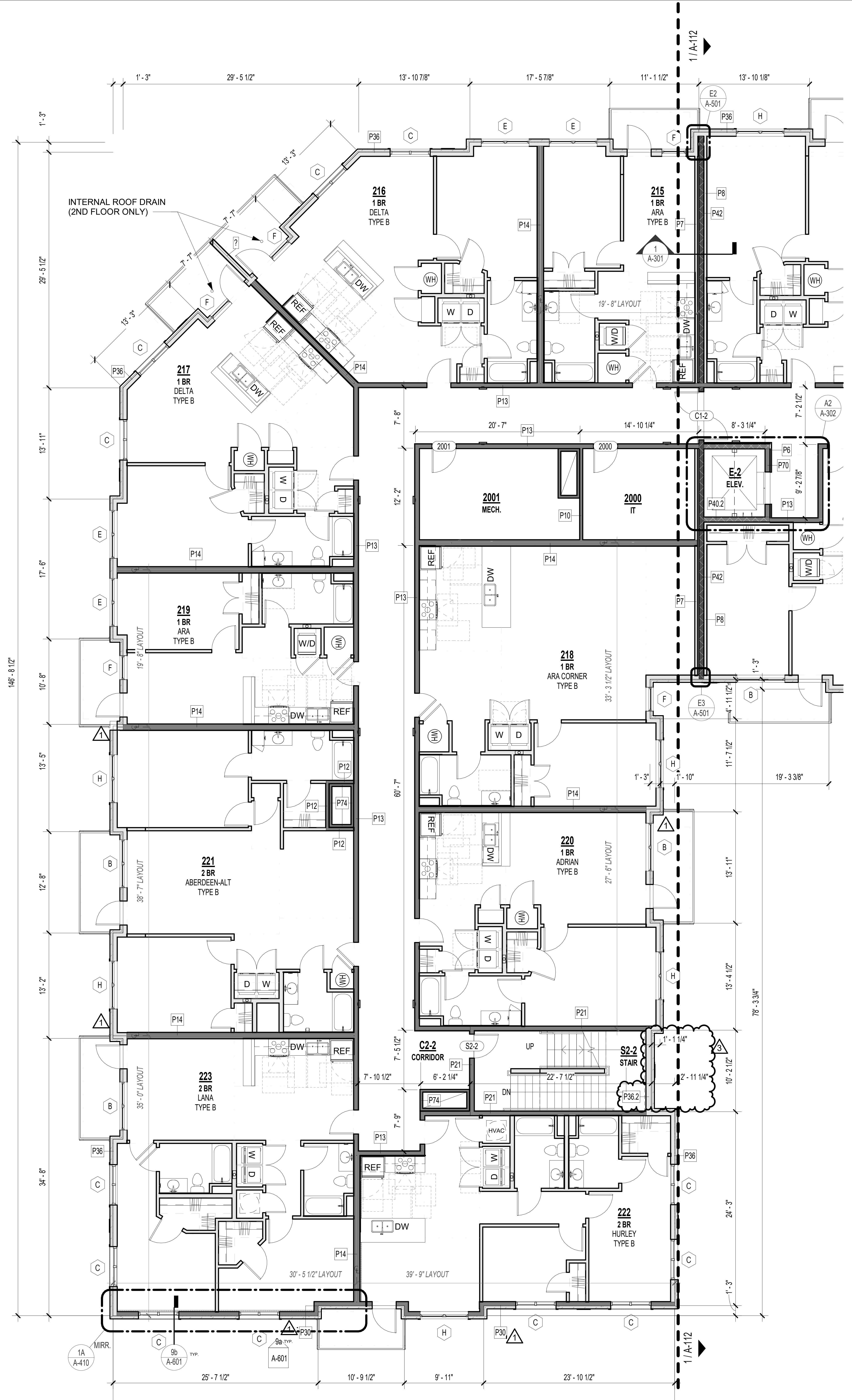
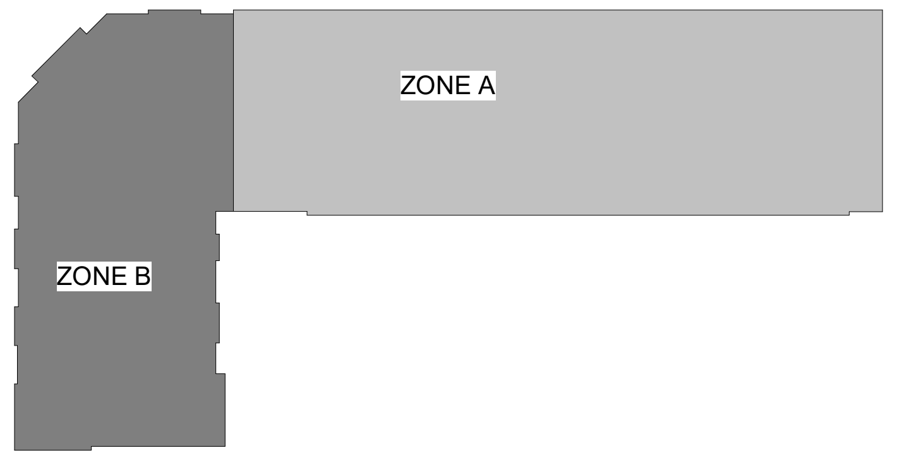


1 SECOND FLOOR ENLARGED PLAN - ZONE B

1/8" = 1'-0"



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NUMBER
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12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
ENLARGED PLAN - 2ND FLOOR
ZONE B

PROJECT NUMBER: 23099

SHEET NUMBER:

A-113

12/20/2024 7:08:01 PM
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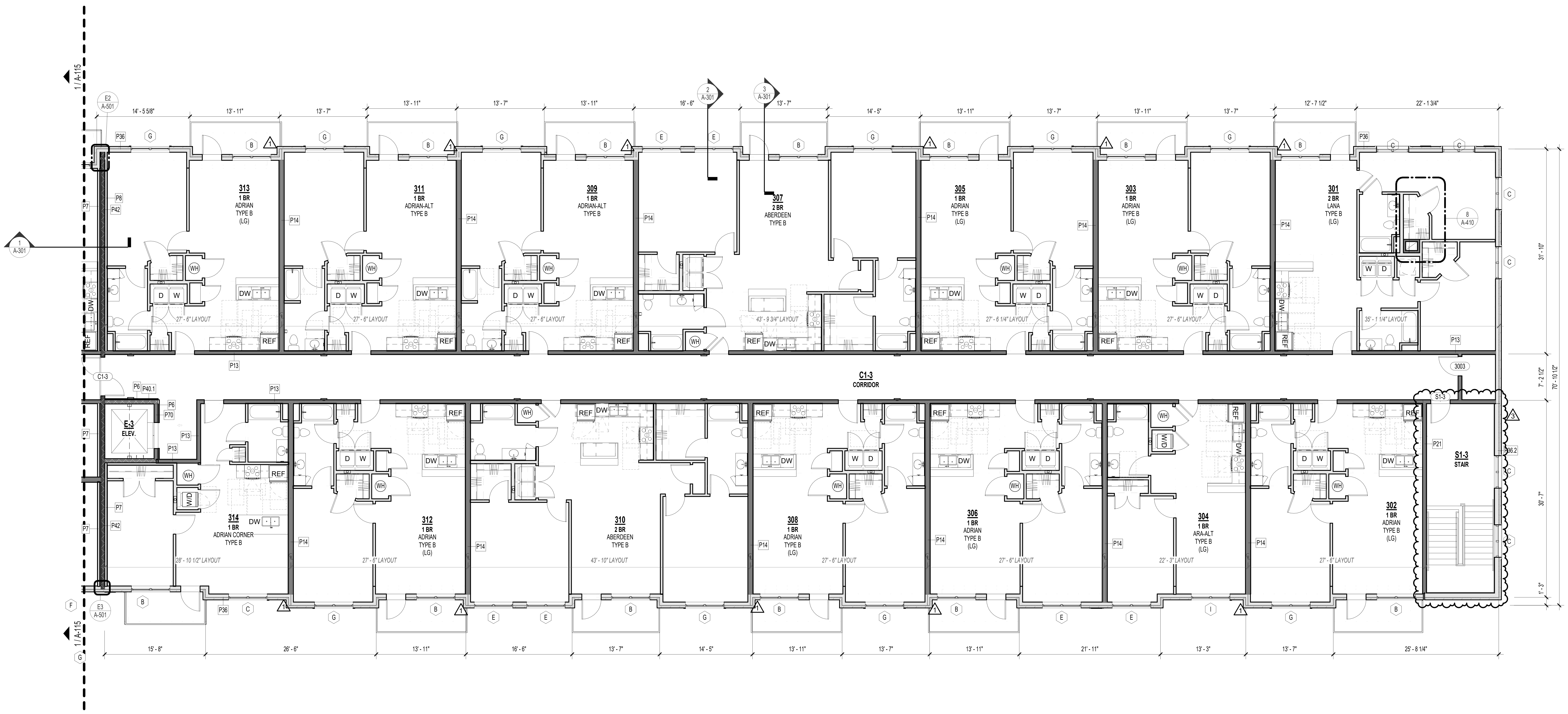
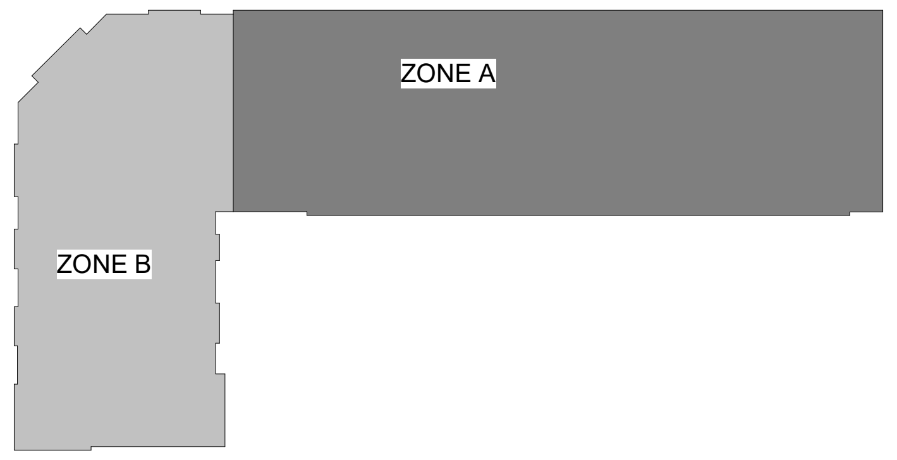


1 THIRD FLOOR ENLARGED PLAN - ZONE A
1/8" = 1'-0"



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NUMBER A-7305
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
ENLARGED PLAN - 3RD FLOOR
ZONE A

PROJECT NUMBER: 23099

SHEET NUMBER:

A-114

12/20/2024 7:08:17 PM
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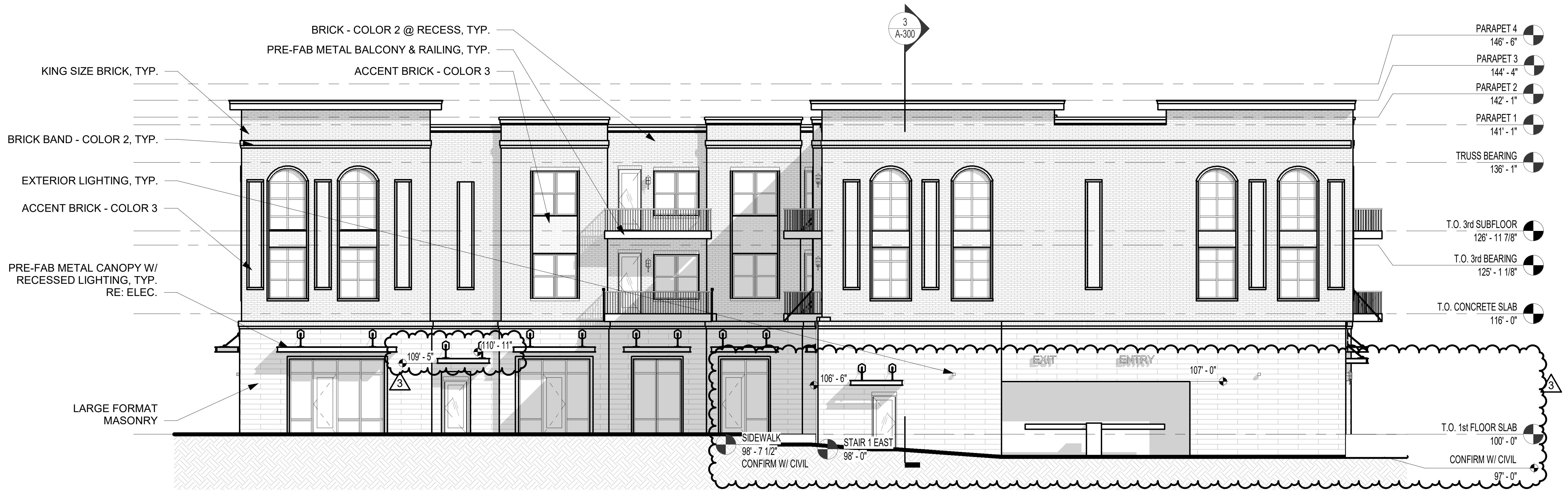
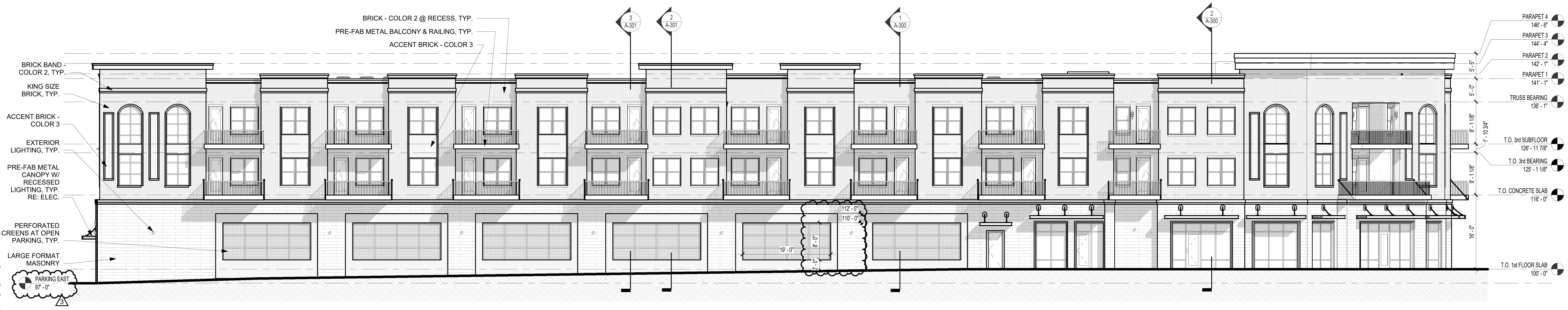
REFERENCE G-003 FOR GENERAL NOTES



2 EAST ELEVATION
3/32" = 1'-0"



1 NORTH ELEVATION
3/32" = 1'-0"

12/20/2024 7:08:28 PM
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3 12/20/24 ADDENDUM #3

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NUMBER A-7305
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

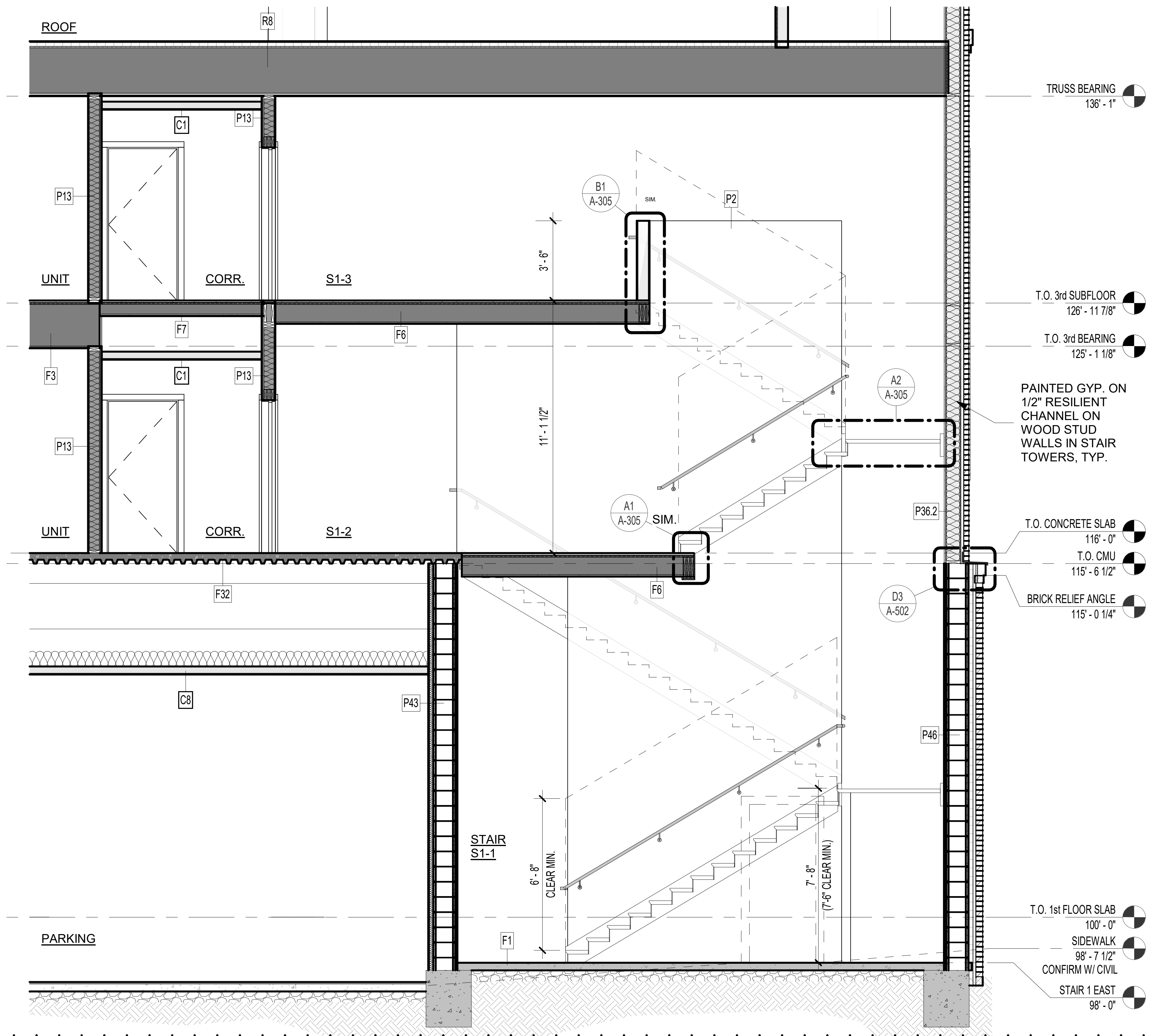
SHEET TITLE
EXTERIOR ELEVATIONS

PROJECT NUMBER: 23099

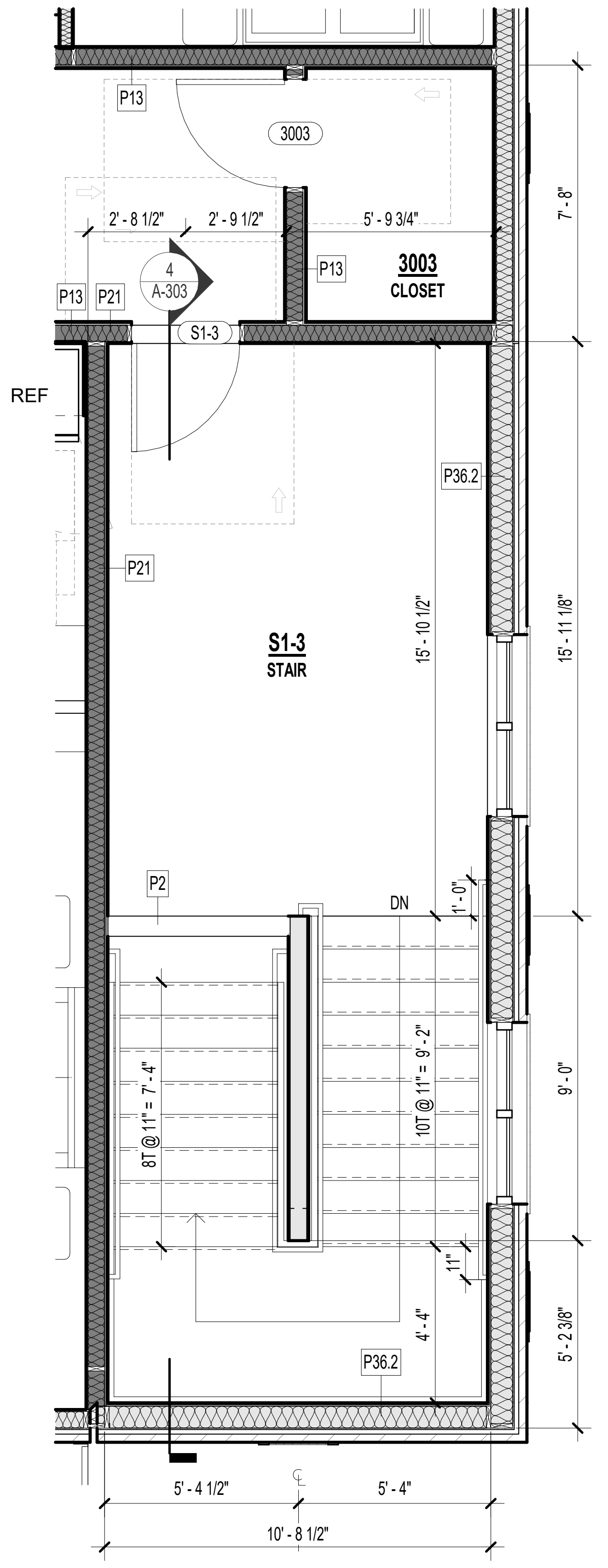
SHEET NUMBER:

A-200

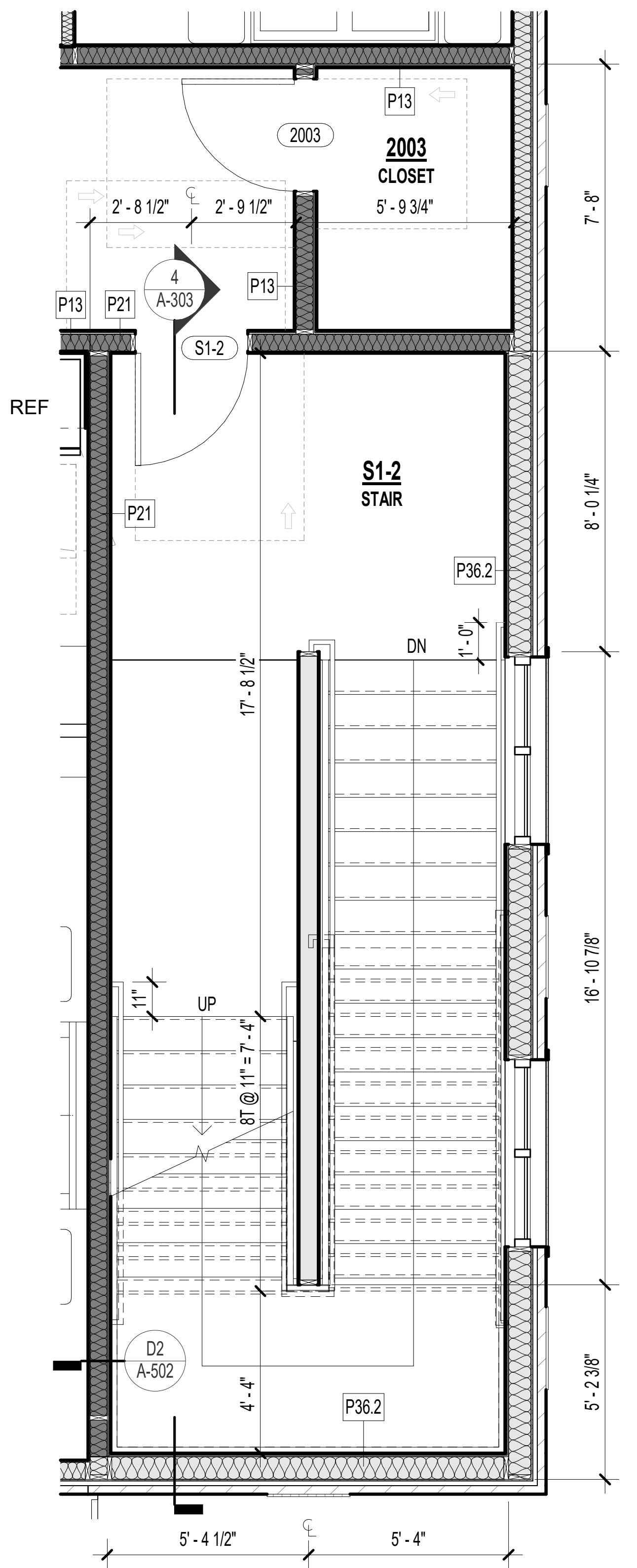
REFERENCE G-003 FOR GENERAL NOTES



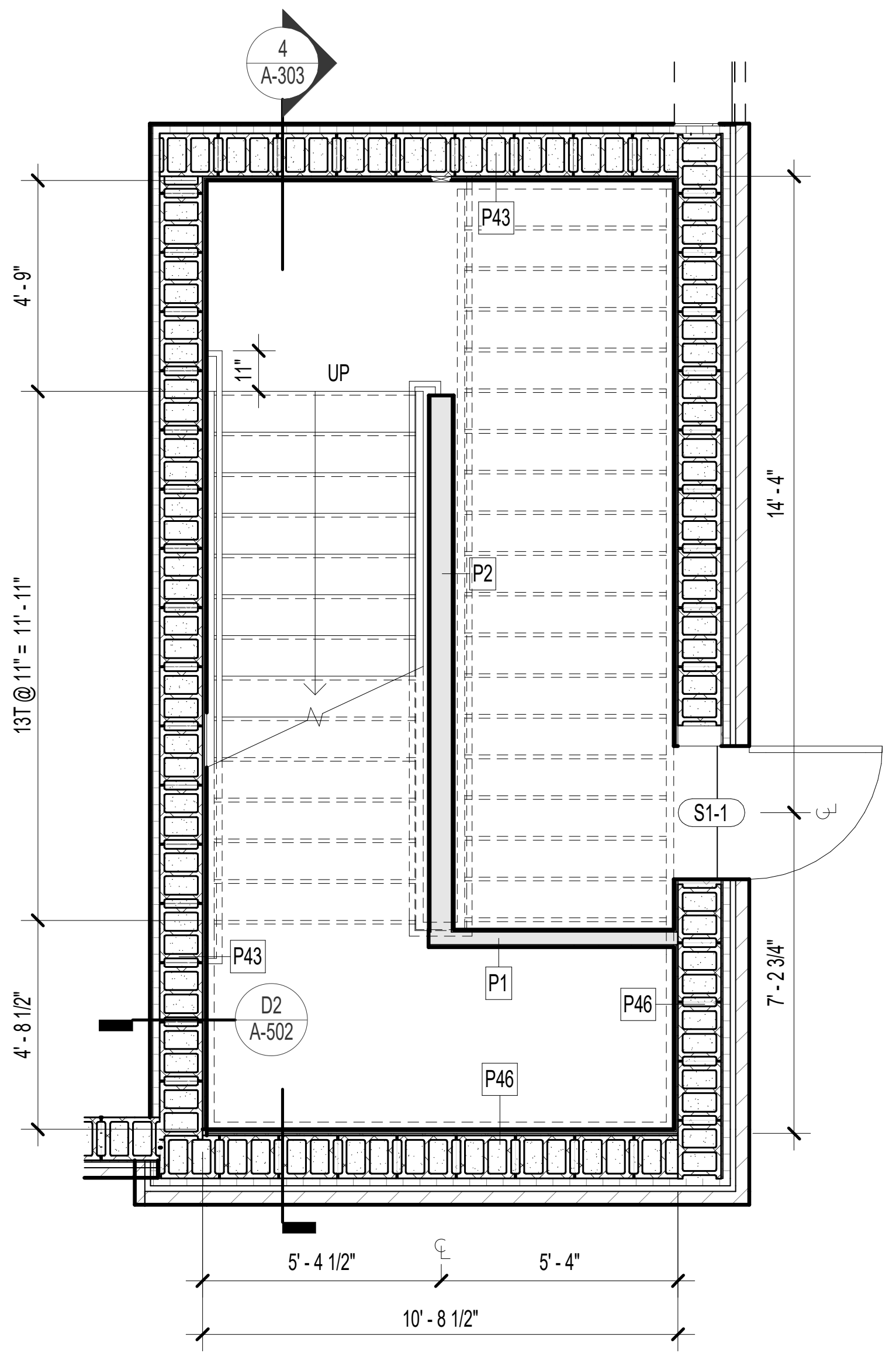
4 STAIR S1 - SECTION
1/4" = 1'-0"



3 STAIR S1 - 3RD FLOOR PLAN
1/4" = 1'-0"



2 STAIR S1 - 2ND FLOOR PLAN
1/4" = 1'-0"



1 STAIR S1 - 1ST FLOOR PLAN
1/4" = 1'-0"

3

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THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
STAIR 1 - PLANS AND SECTION

PROJECT NUMBER: 23099

SHEET NUMBER:

A-303

12/20/2024 7:08:38 PM
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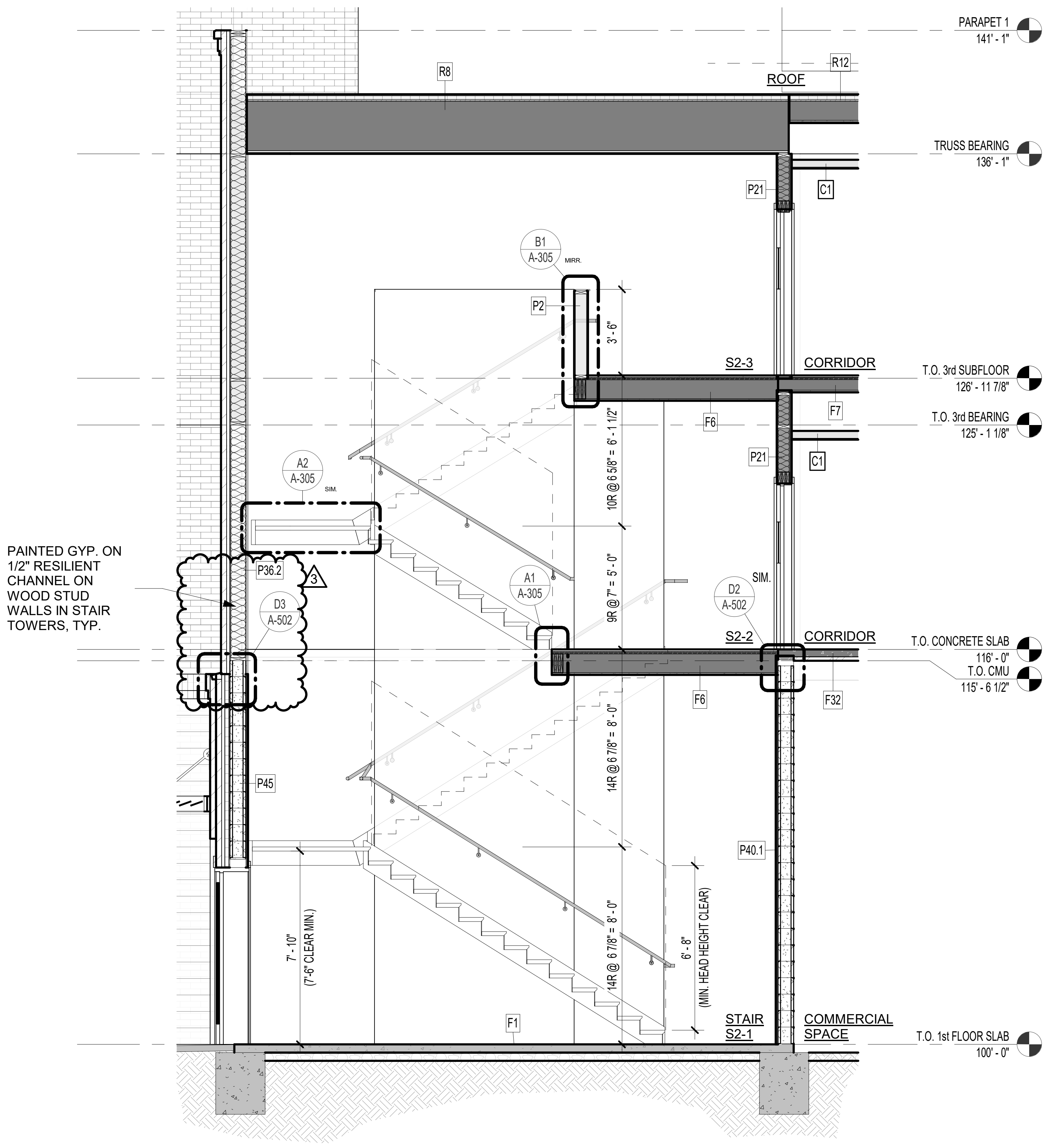
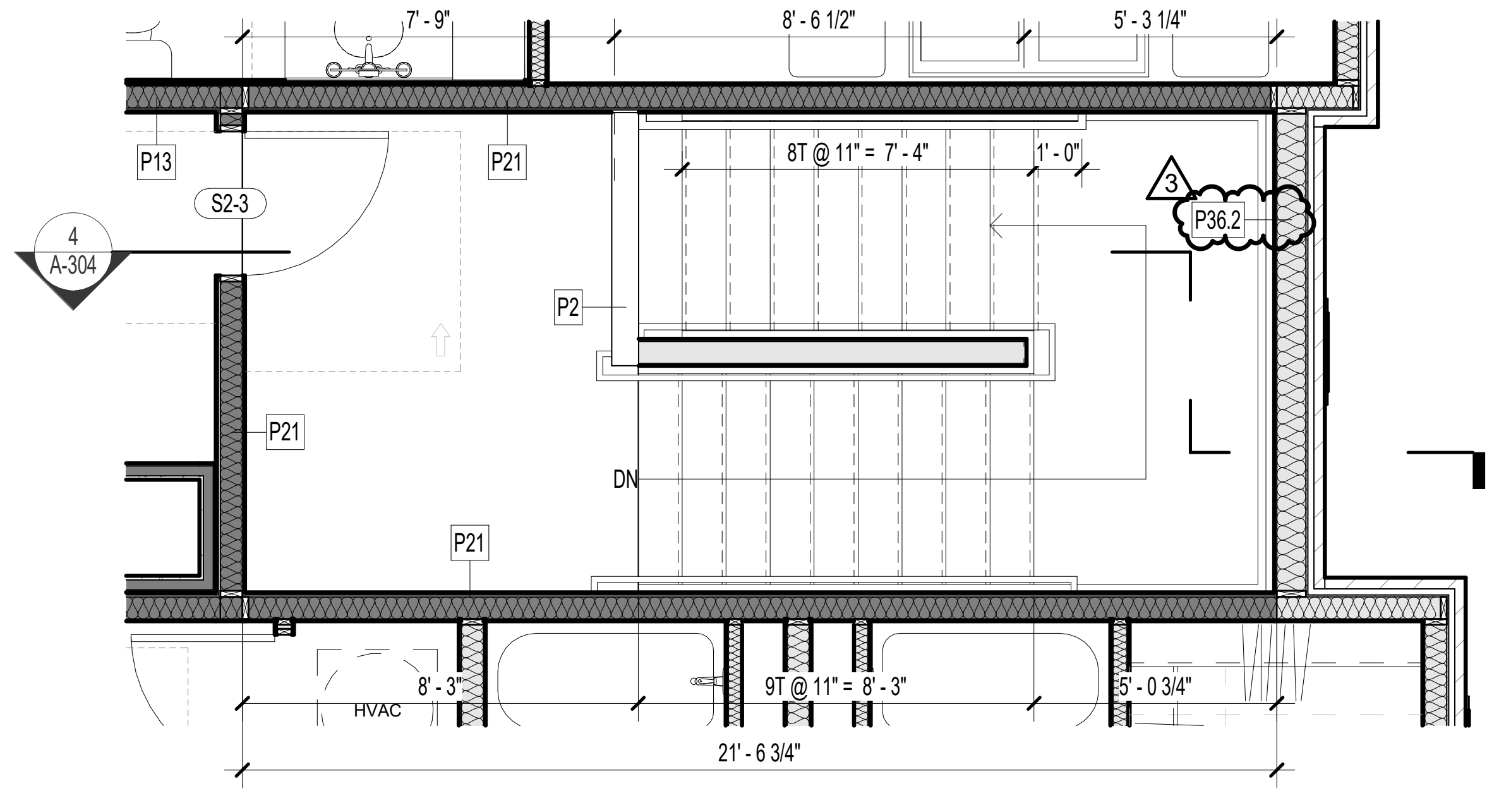
REFERENCE G-003 FOR GENERAL NOTES



PAINTED GYP. ON 1/2" RESILIENT CHANNEL ON WOOD STUD WALLS IN STAIR TOWERS, TYP.

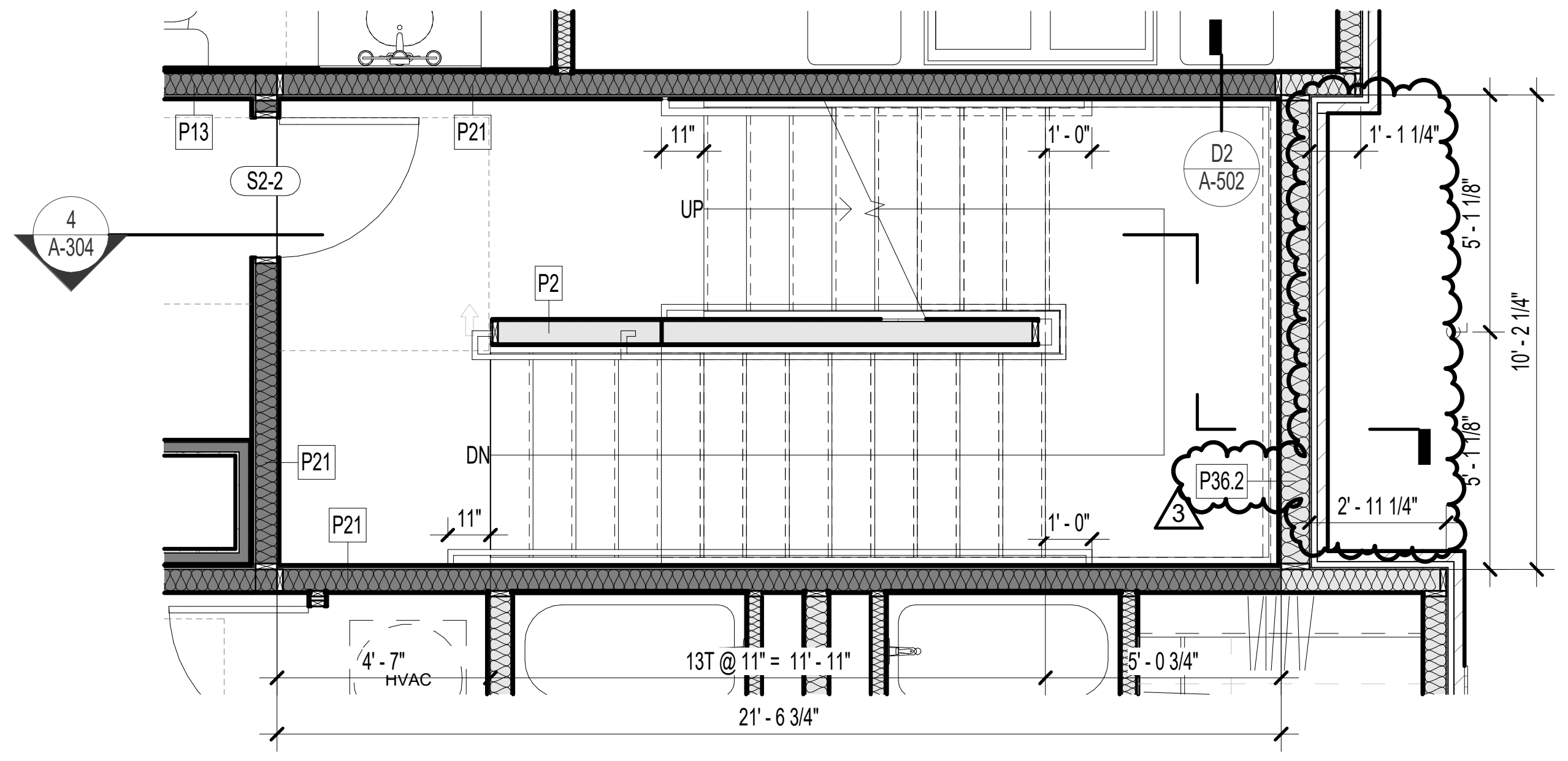
4 STAIR S2 - SECTION

1/4" = 1'-0"



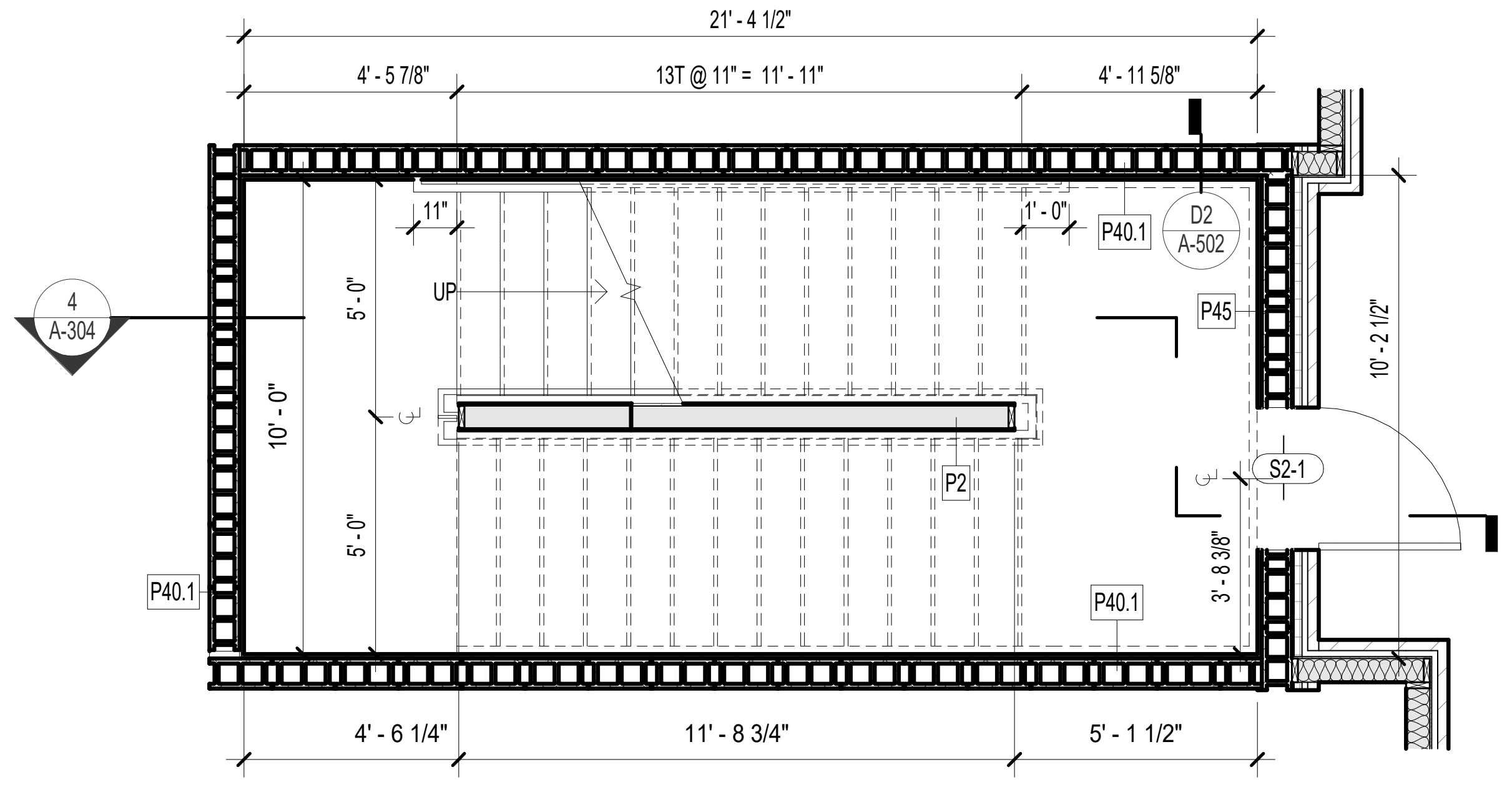
3 STAIR S2 - 3RD FLOOR PLAN

1/4" = 1'-0"



2 STAIR S2 - 2ND FLOOR PLAN

1/4" = 1'-0"



1 STAIR S2 - 1ST FLOOR PLAN

1/4" = 1'-0"

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THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
STAIR 2 - PLANS AND SECTION

PROJECT NUMBER: 23099

SHEET NUMBER:

A-304

12/20/2024 7:08:50 PM
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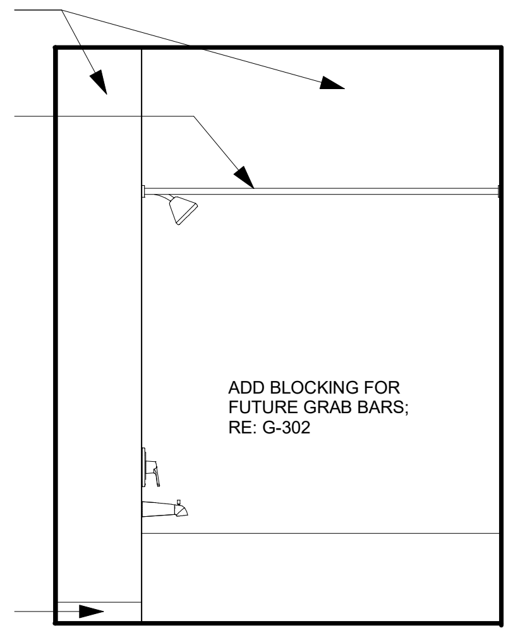
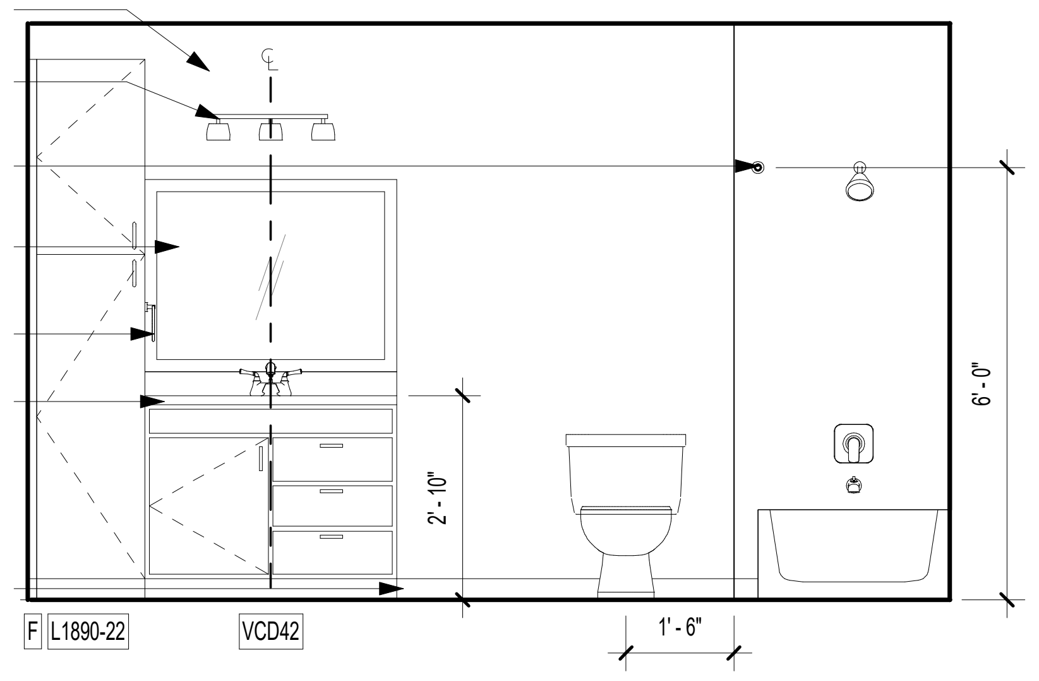
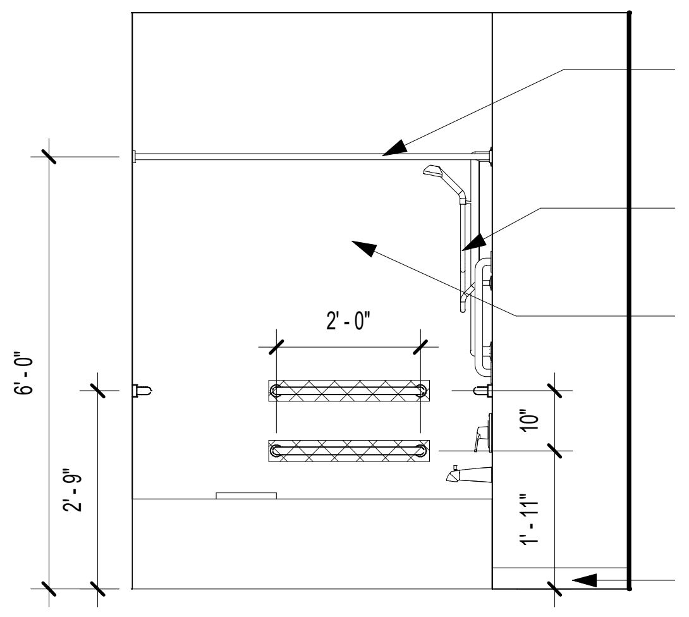
REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND
REFERENCE A-102 & A-103 FOR RC LOCATIONS


WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
BASE PER SCHEDULE

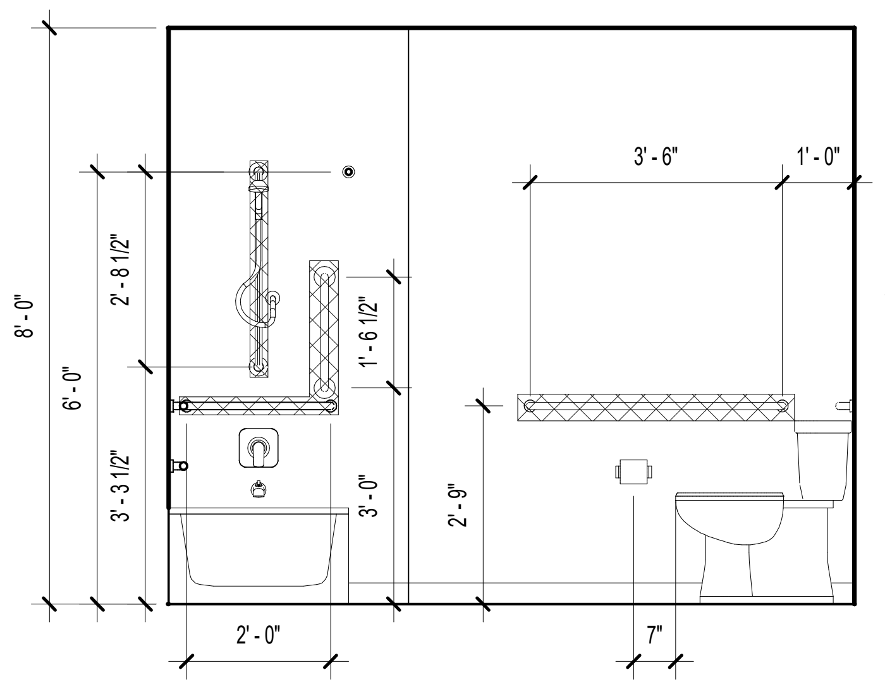
12 ABERDEEN BATH 2 ELEV. 2
3/8" = 1'-0"



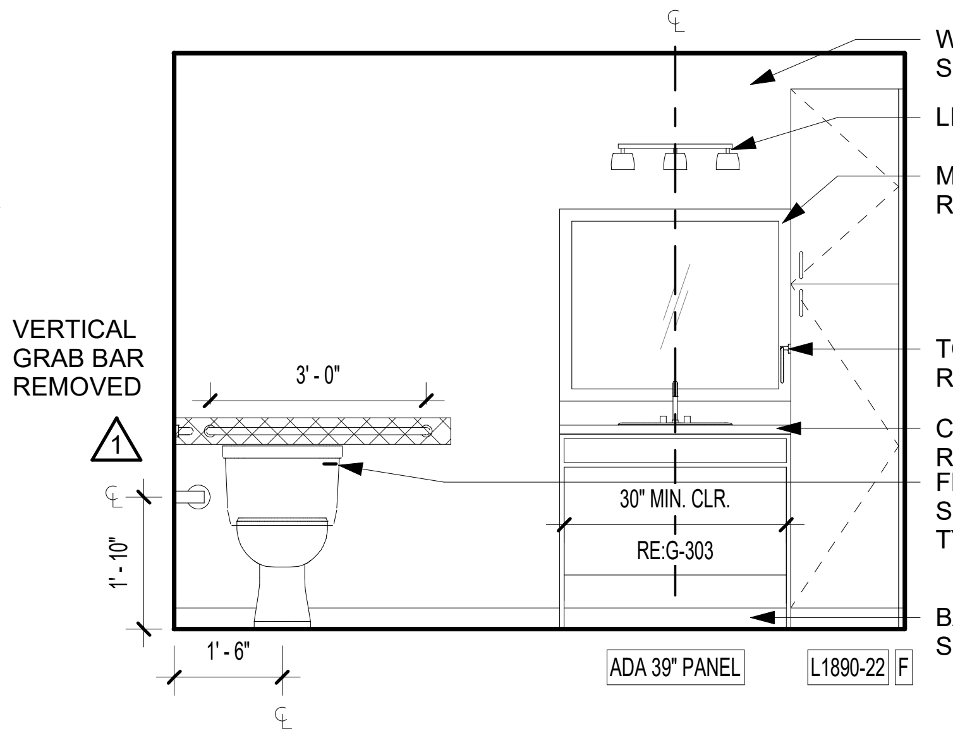
11 ABERDEEN BATH 2 ELEV. 1
3/8" = 1'-0"



10 ABERDEEN BATH 1 ELEV. 3
3/8" = 1'-0"



9 ABERDEEN BATH 1 ELEV. 2
3/8" = 1'-0"

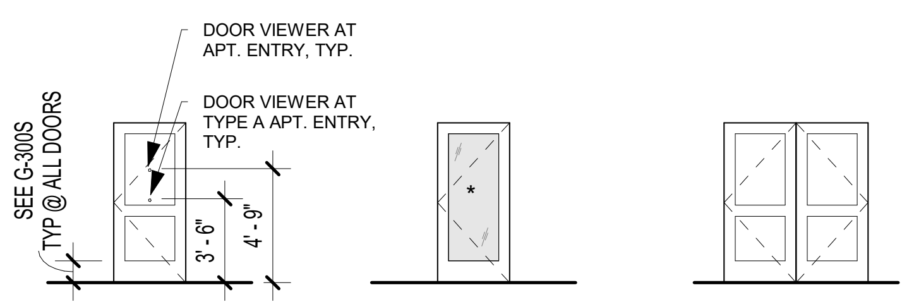


8 ABERDEEN BATH 1 ELEV. 1
3/8" = 1'-0"

UNIT PLAN LEGEND

▭	PARTIAL HEIGHT PARTITION
▭	**P1** WALL (UNLESS NOTED OTHERWISE); SEE PARTITION SCHEDULE FOR ASSEMBLY INFORMATION
W3030	CASEWORK TAG
101	DOOR TAG
▨	ACCESSIBLE ROUTE (36" CLEAR; 32" MIN REQ'D @ DOOR OPENING PER ANSI A117.1)
▭	DRYER BOX LOCATION; COORD WITH MECH

DOOR TYPES - UNITS


DOOR VIEWER AT APT. ENTRY, TYP.
DOOR VIEWER AT TYPE A APT. ENTRY, TYP.
SEE G-300S TYP @ ALL DOORS
3' - 6"
4' - 9"

A2
SINGLE SWING
PANEL

A3
SINGLE SWING
FULL LITE

B2
DOUBLE SWING
PANEL

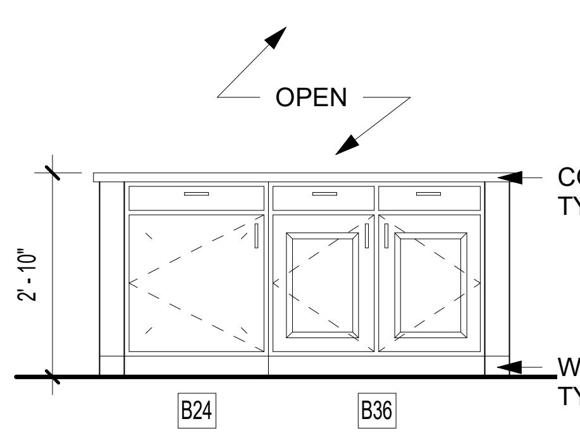
PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

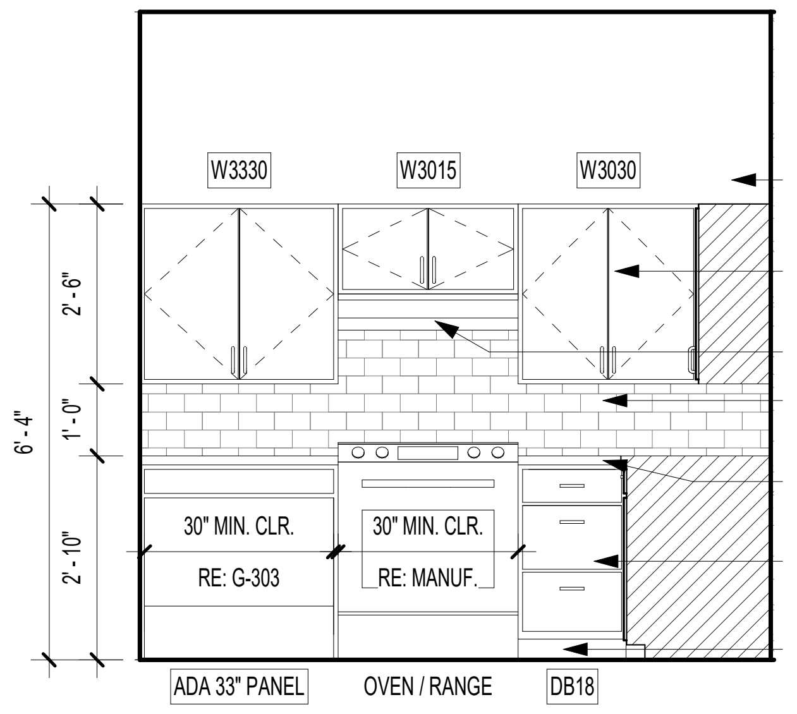
1	10/21/24	ADDENDUM #1
3	12/20/24	ADDENDUM #3

Room Finish Schedule - Units

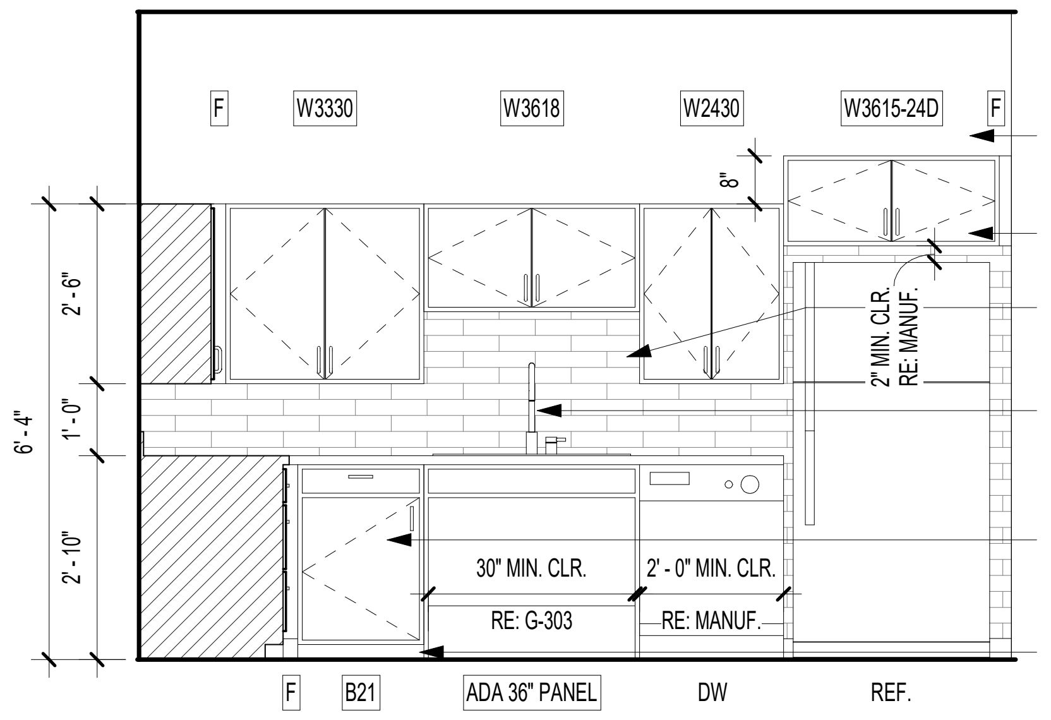
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
010	BEDROOM 1	LVT1	WB, PT3	PT1	PT4	
011	CLOSET 1	LVT1		PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				



7 ABERDEEN KITCHEN ELEV. 3
3/8" = 1'-0"



6 ABERDEEN KITCHEN ELEV. 2
3/8" = 1'-0"

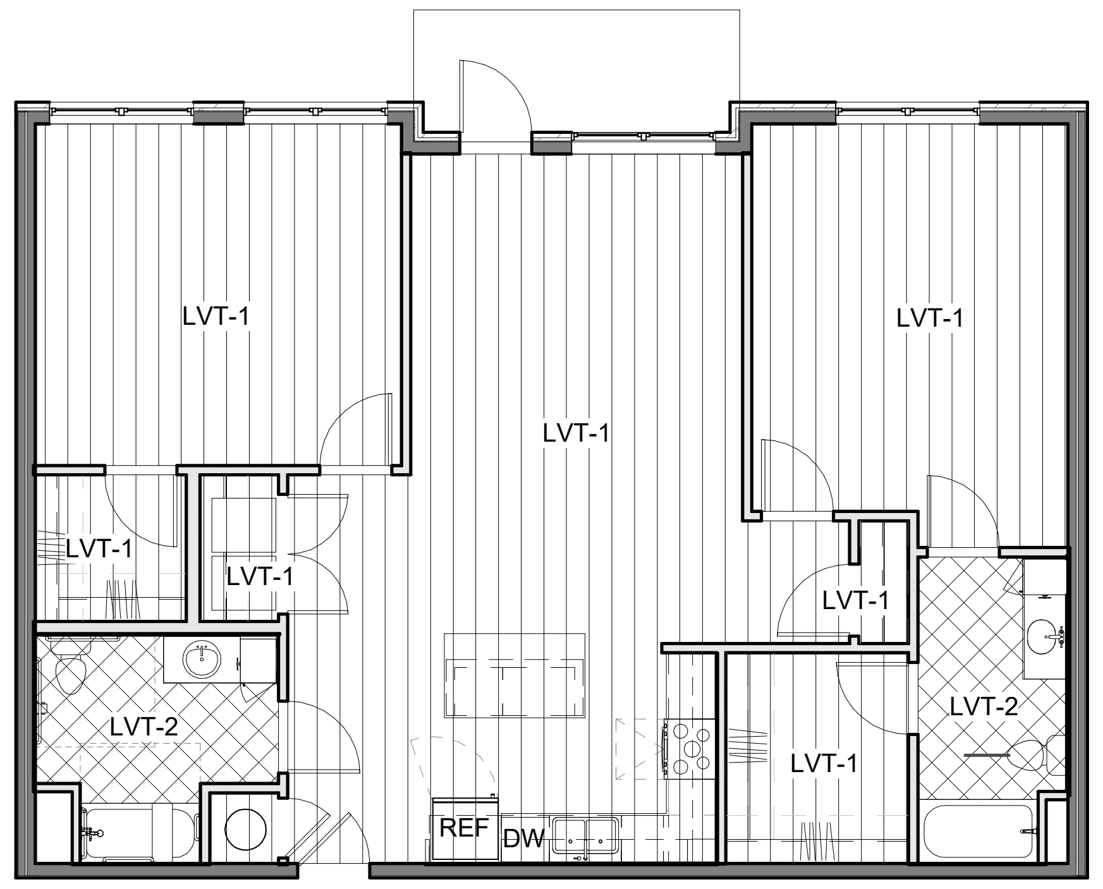


5 ABERDEEN KITCHEN ELEV. 1
3/8" = 1'-0"

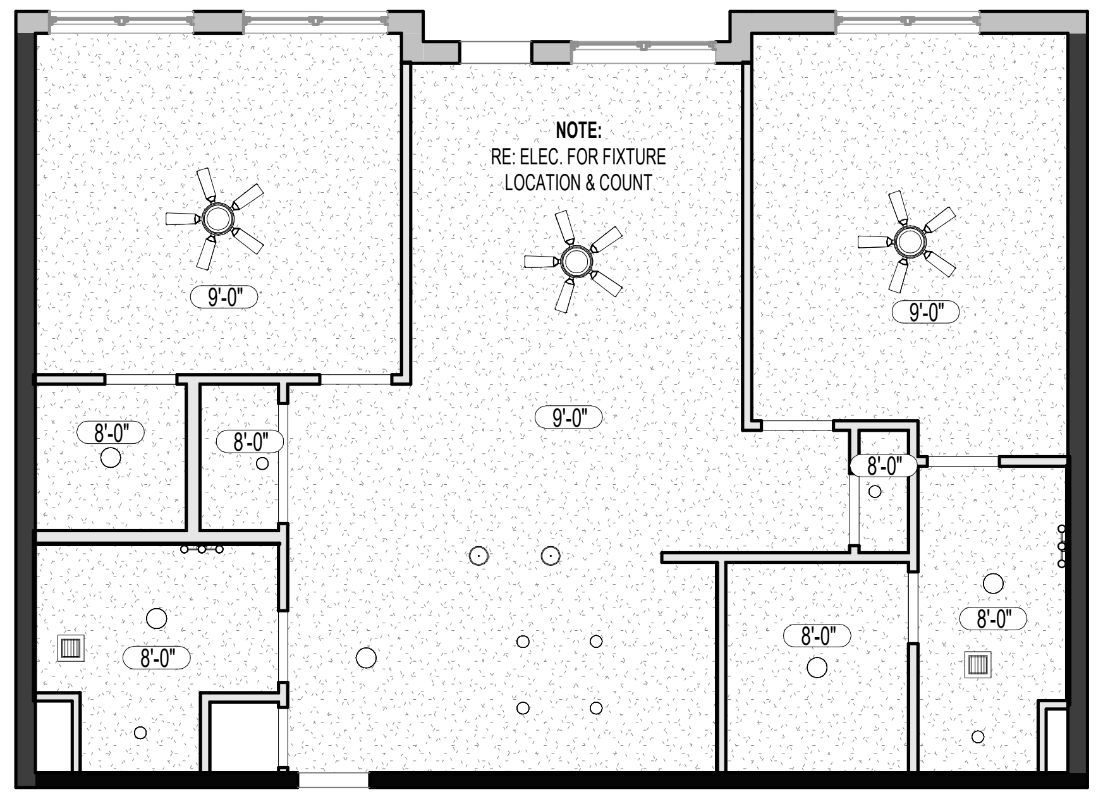
DOOR SCHEDULE - UNIT DOORS

Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3' - 0"	6' - 8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3' - 0"	6' - 8"	1 3/8"		A2	PH	
005	MECH.	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006	LAUNDRY	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006.1	LAUNDRY	6' - 0"	6' - 8"	1 3/8"		B2	PH	UNDERCUT IF REQ'D
008	BATH 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
009	BATH 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
010	BEDROOM 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011.1	CLOSET	6' - 0"	6' - 8"	1 3/8"		B2	PH	
012	BEDROOM 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
013	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
014	BALCONY	3' - 0"	8' - 0"	1 3/4"		A3	TIMELY	

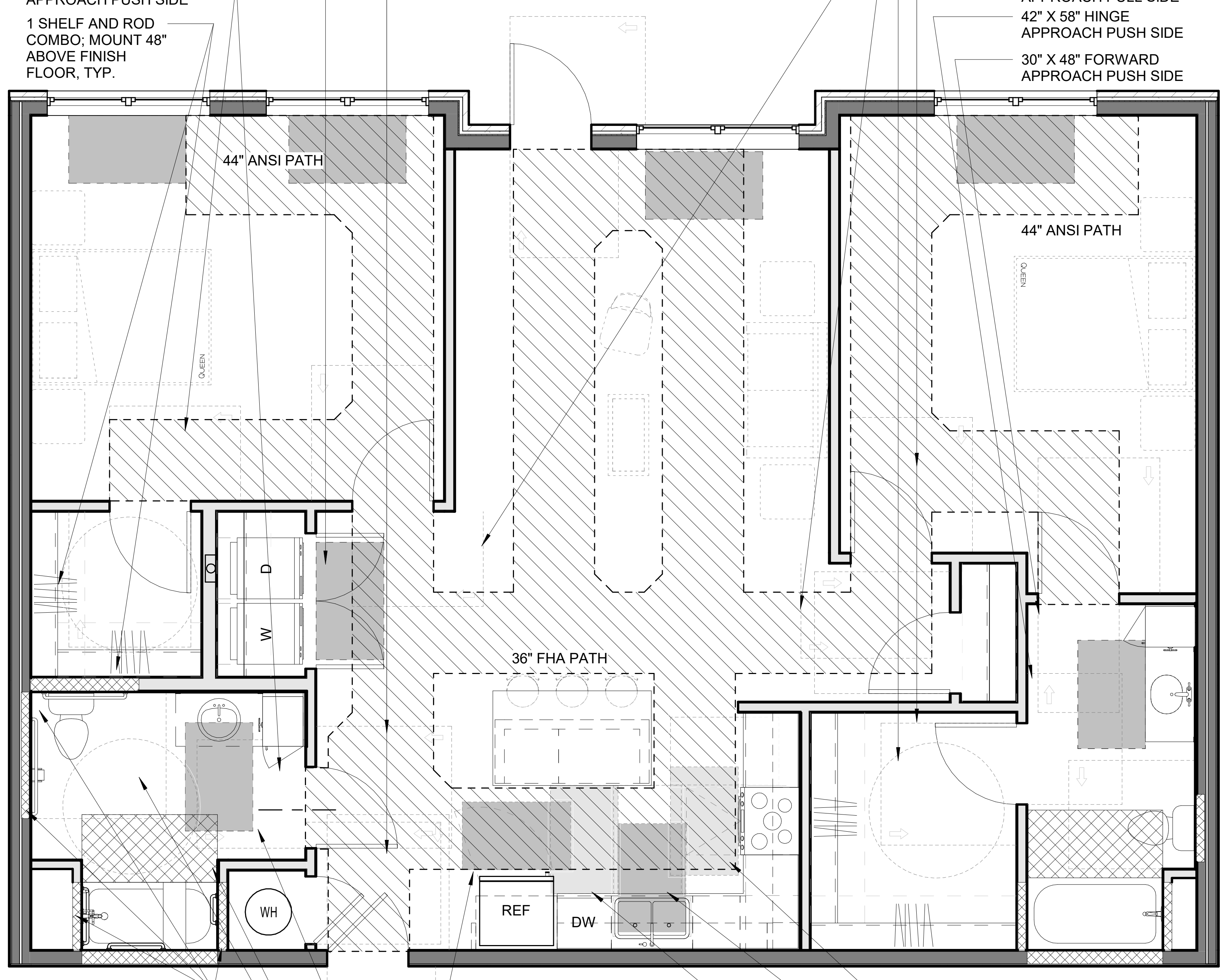
3



4 UNIT FINISH PLAN - ABERDEEN (2 BR) - TYPE A
1/8" = 1'-0"

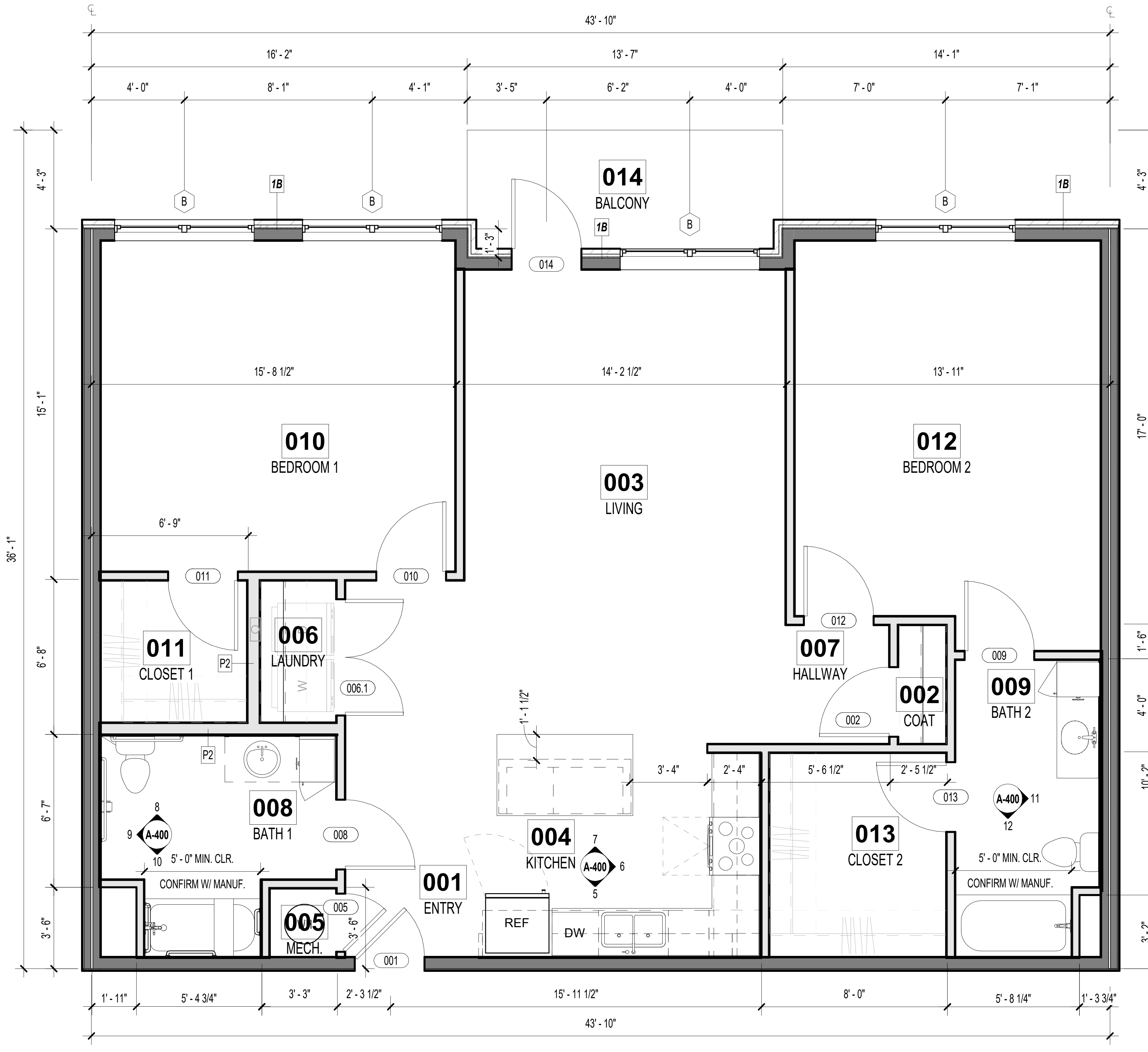


3 UNIT RCP - ABERDEEN (2 BR) - TYPE A
1/8" = 1'-0"



54" X 60" FORWARD APPROACH PULL SIDE
30" X 48" PARALLEL APPROACH (SHADED DARK GRAY); CENTERED ON WASHER/DRYER
30" X 48" FORWARD APPROACH PUSH SIDE
1 SHELF AND ROD COMBO; MOUNT 48" ABOVE FINISH FLOOR, TYP.
42" X 58" HINGE APPROACH PUSH SIDE
60" TURNING RADIUS; TYP.
54" X 60" FORWARD APPROACH PULL SIDE
42" X 58" HINGE APPROACH PUSH SIDE
30" X 48" FORWARD APPROACH PUSH SIDE
BLOCKING FOR GRAB BARS; RE: G-302
56" X 66" CLEAR FLOOR AREA AT WATER CLOSET FORWARD APROACH
30" CLEAR FLOOR AREA AT SHOWER
30" X 48" PARALLEL APPROACH (SHADED LIGHT GRAY) CENTERED ON REF
48" X 48" FORWARD APPROACH PULL SIDE
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
30" X 48" PARALLEL APPROACH (SHADED GRAY) CENTERED ON COOKTOP AND OUTSIDE SWING OF DOOR
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR AND CENTERD (SHADED LIGHT GRAY) CENTERED ON DW

2 UNIT CLEAR SPACE PLAN - ABERDEEN (2 BR) - TYPE A
1/4" = 1'-0"



1 UNIT FLOOR PLAN - ABERDEEN (2 BR) - TYPE A
1/4" = 1'-0"

rosemann & ASSOCIATES p.c.
ARCHITECTURE
INTERIOR DESIGN
ENGINEERING
PLANNING
1526 Grand Boulevard
Kansas City, MO 64108-1404
p: 816.472.1448

w: www.rosemann.com

DENVER ▲ KANSAS CITY ▲ ST. LOUIS ▲ ATLANTA

DAVID EUGENE HENDRIKSE
NUMBER A-7305
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

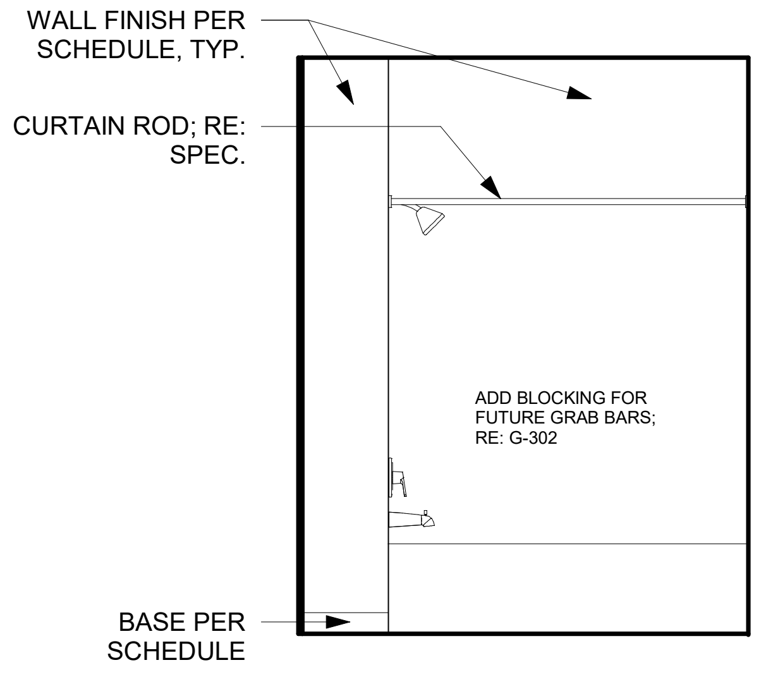
SHEET TITLE
ABERDEEN (2 BR) UNIT PLAN - TYPE A

PROJECT NUMBER: 23099

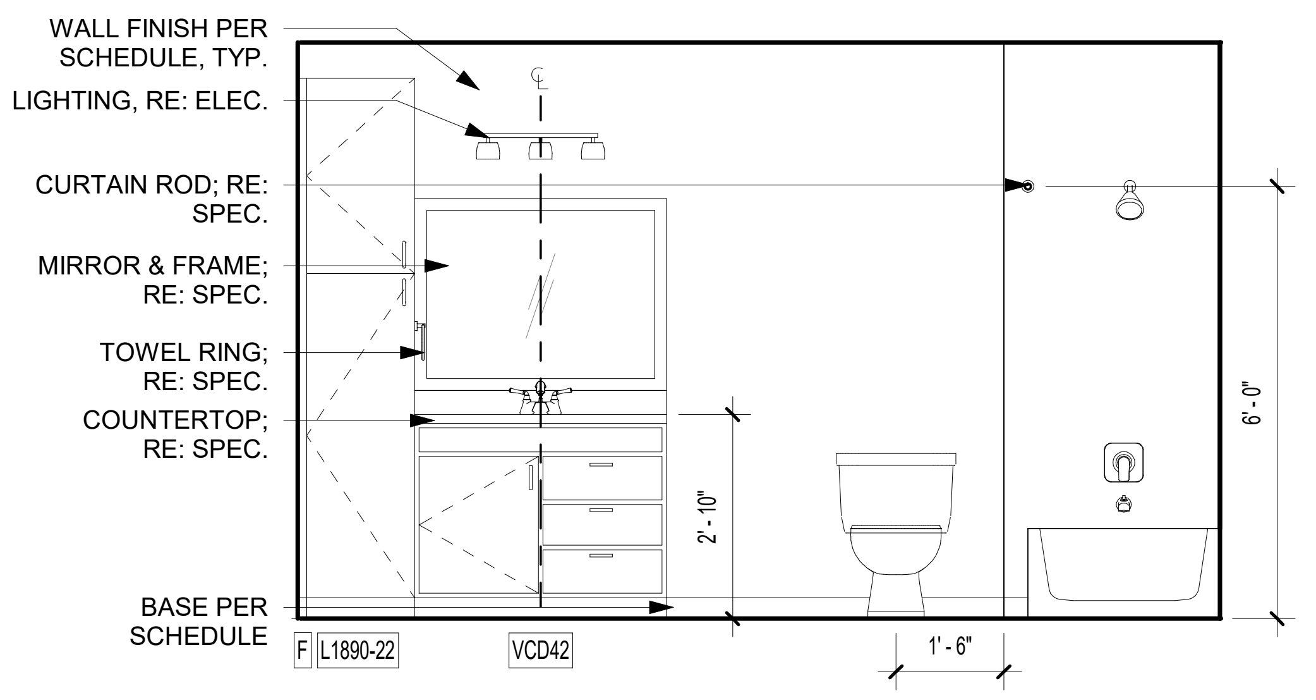
SHEET NUMBER:

A-400

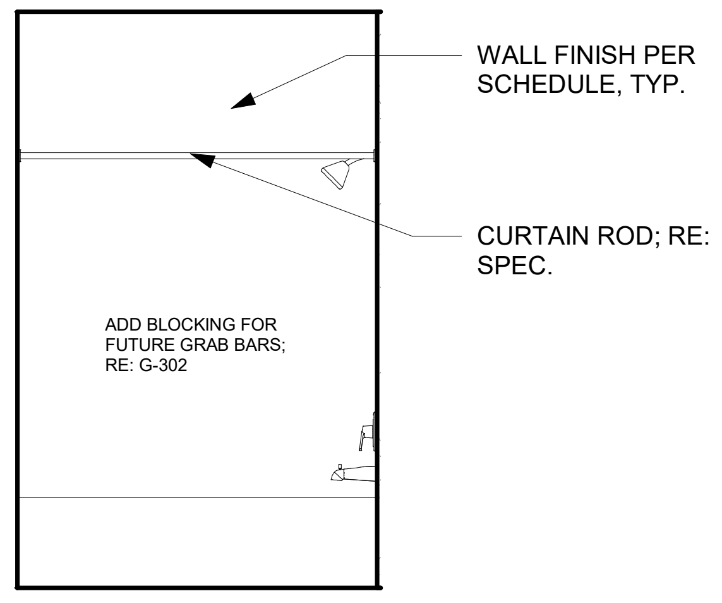
REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND
REFERENCE A-400 FOR UNIT PLAN LEGEND
REFERENCE A-102 & A-103 FOR RC LOCATIONS


WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
BASE PER SCHEDULE

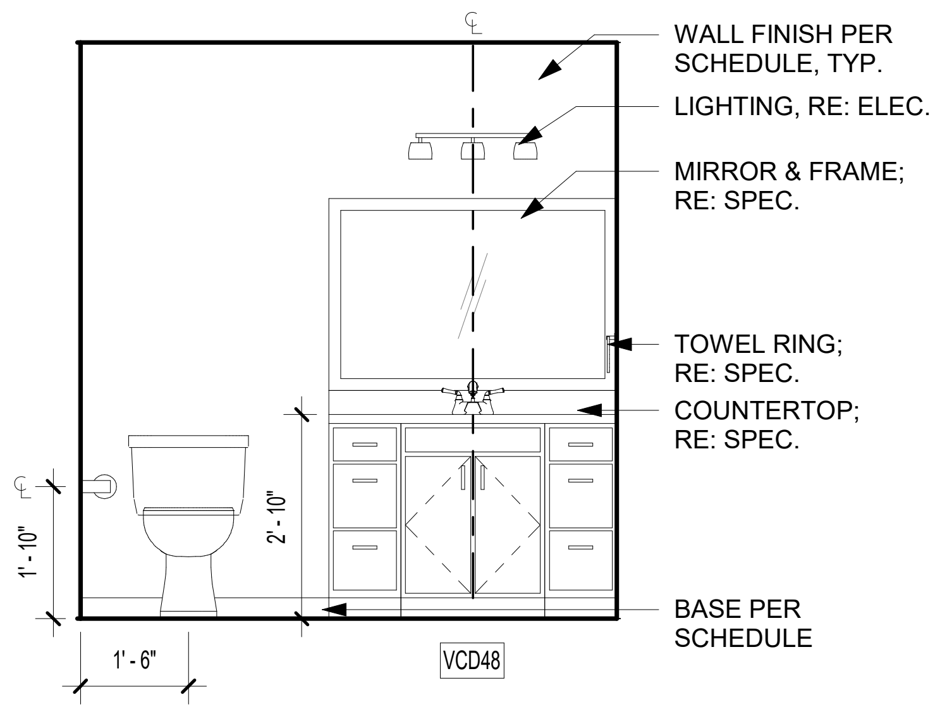
11 ABERDEEN ALT BATH 2 ELEV. 2
3/8" = 1'-0"



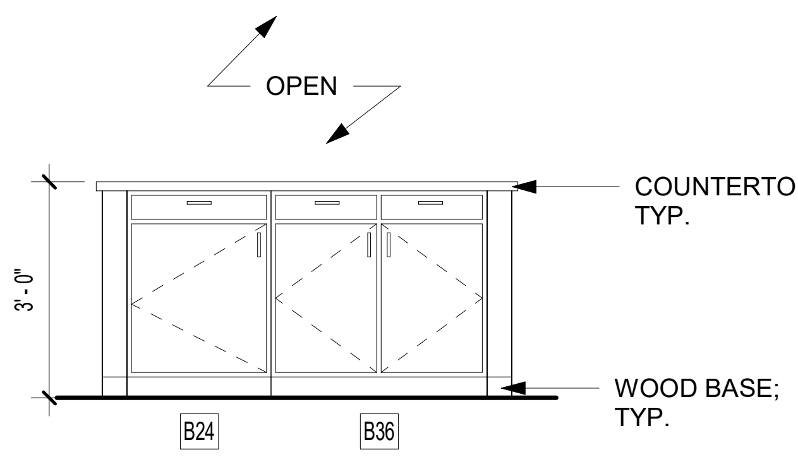
10 ABERDEEN ALT BATH 2 ELEV. 1
3/8" = 1'-0"


WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302

9 ABERDEEN ALT BATH 1 ELEV. 2
3/8" = 1'-0"

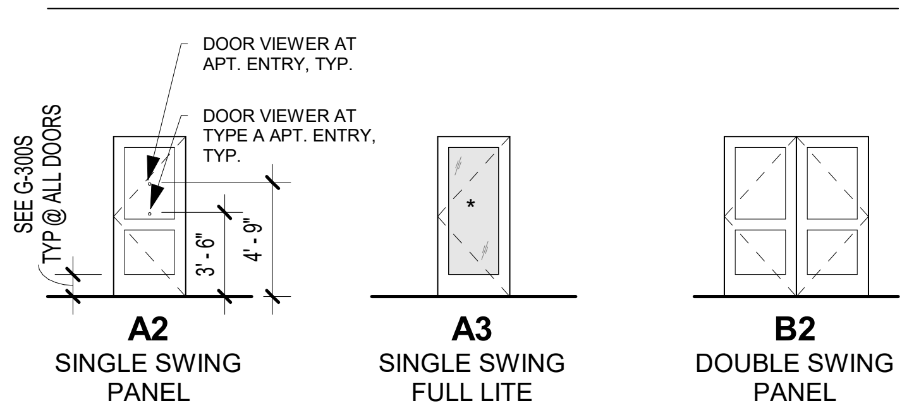


8 ABERDEEN ALT BATH 1 ELEV. 1
3/8" = 1'-0"



7 ABERDEEN ALT KITCHEN ELEV. 3
3/8" = 1'-0"

DOOR TYPES - UNITS


DOOR VIEWER AT APT. ENTRY, TYP.
DOOR VIEWER AT TYPE A APT. ENTRY, TYP.
SEE G-300S TYP @ ALL DOORS
3' - 6"
4' - 9"
A2
SINGLE SWING PANEL
A3
SINGLE SWING FULL LITE
B2
DOUBLE SWING PANEL

Room Finish Schedule - Units

Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
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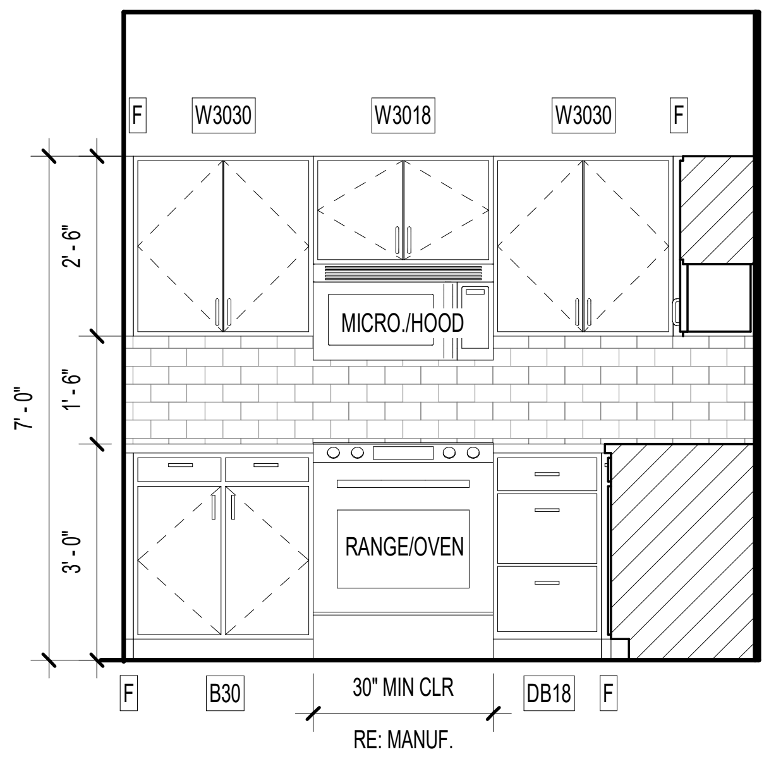
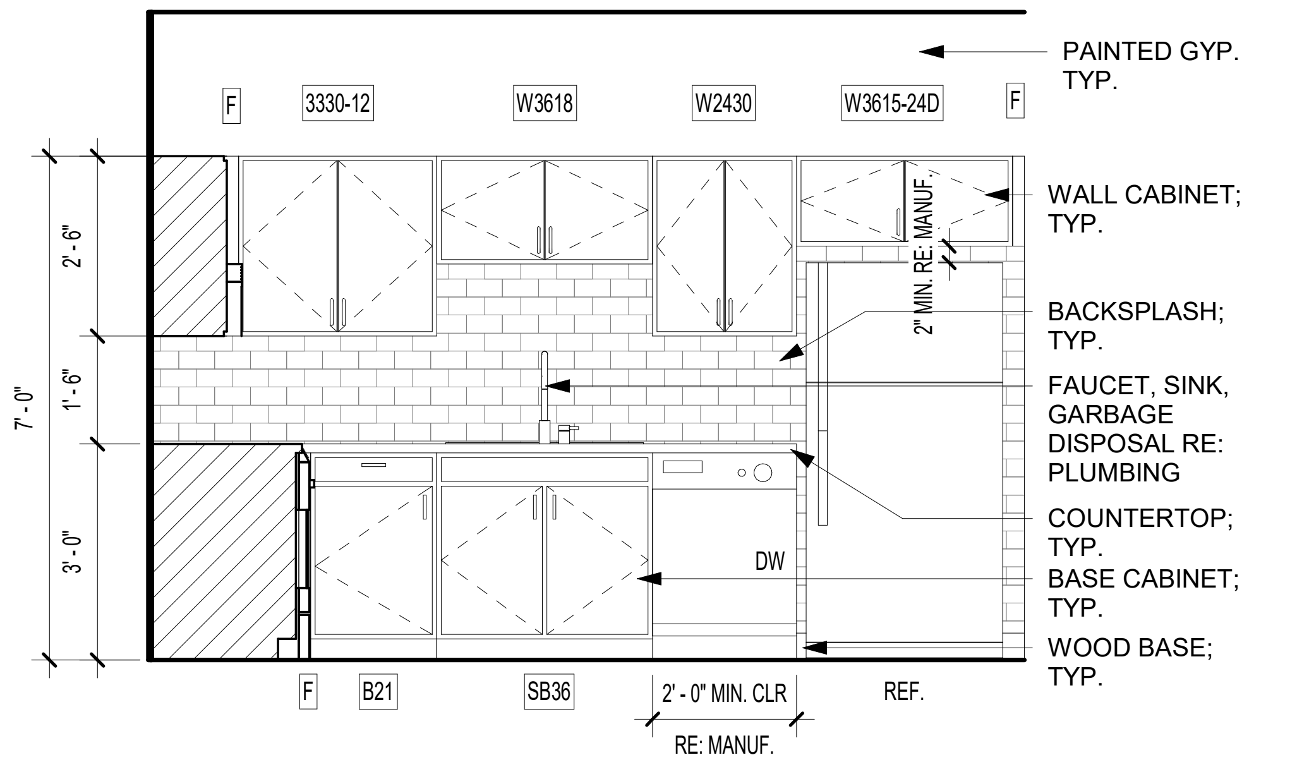
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
010	BEDROOM 1	LVT1	WB, PT3	PT1	PT4	
011	CLOSET 1	LVT1		PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				



6 ABERDEEN ALT KITCHEN ELEV. 2
3/8" = 1'-0"

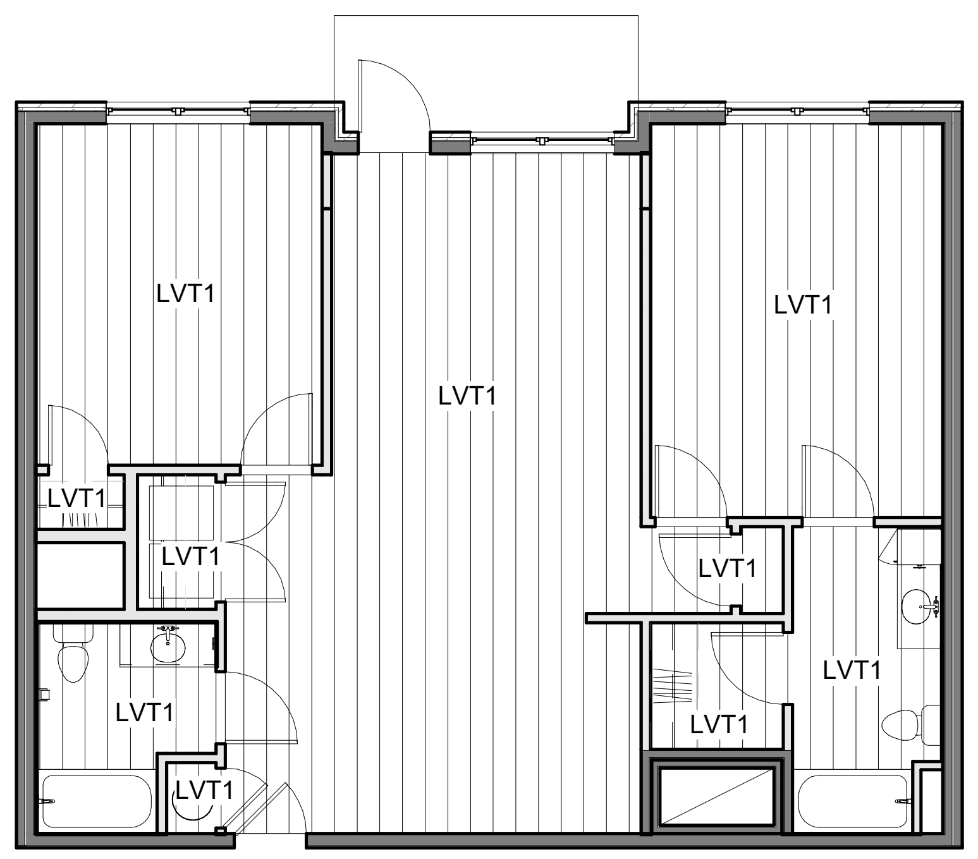


5 ABERDEEN ALT KITCHEN ELEV. 1
3/8" = 1'-0"

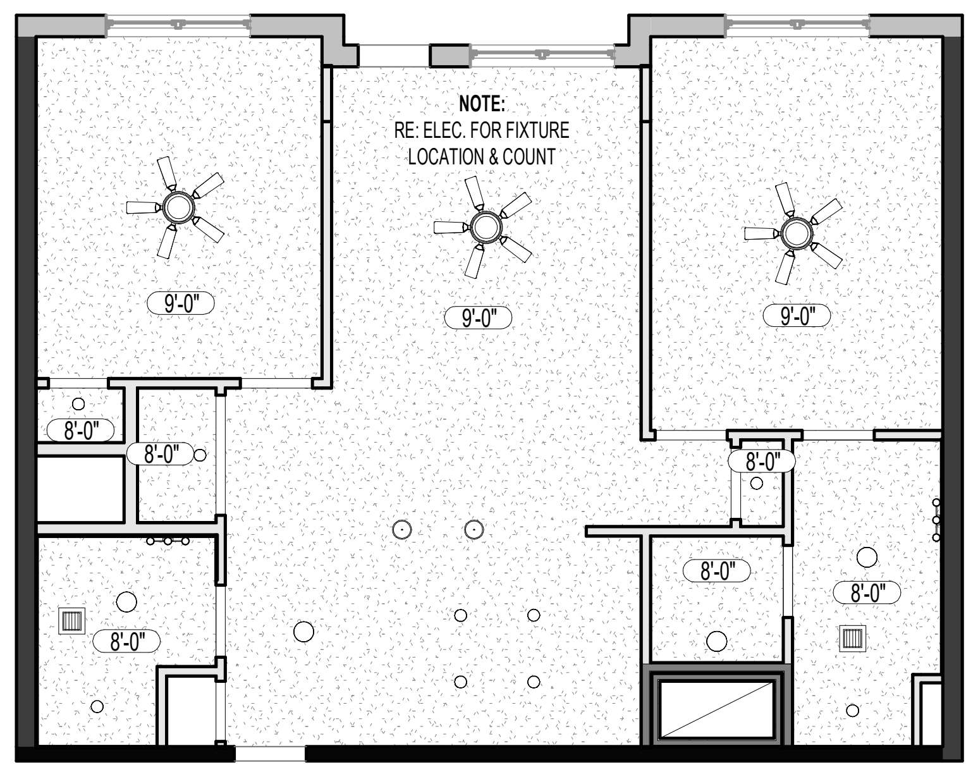
DOOR SCHEDULE - UNIT DOORS

Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3' - 0"	6' - 8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3' - 0"	6' - 8"	1 3/8"		A2	PH	
005	MECH.	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006	LAUNDRY	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006.1	LAUNDRY	6' - 0"	6' - 8"	1 3/8"		B2	PH	UNDERCUT IF REQ'D
008	BATH 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
009	BATH 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
010	BEDROOM 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011.1	CLOSET	6' - 0"	6' - 8"	1 3/8"		B2	PH	
012	BEDROOM 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
013	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
014	BALCONY	3' - 0"	8' - 0"	1 3/4"		A3	TIMELY	

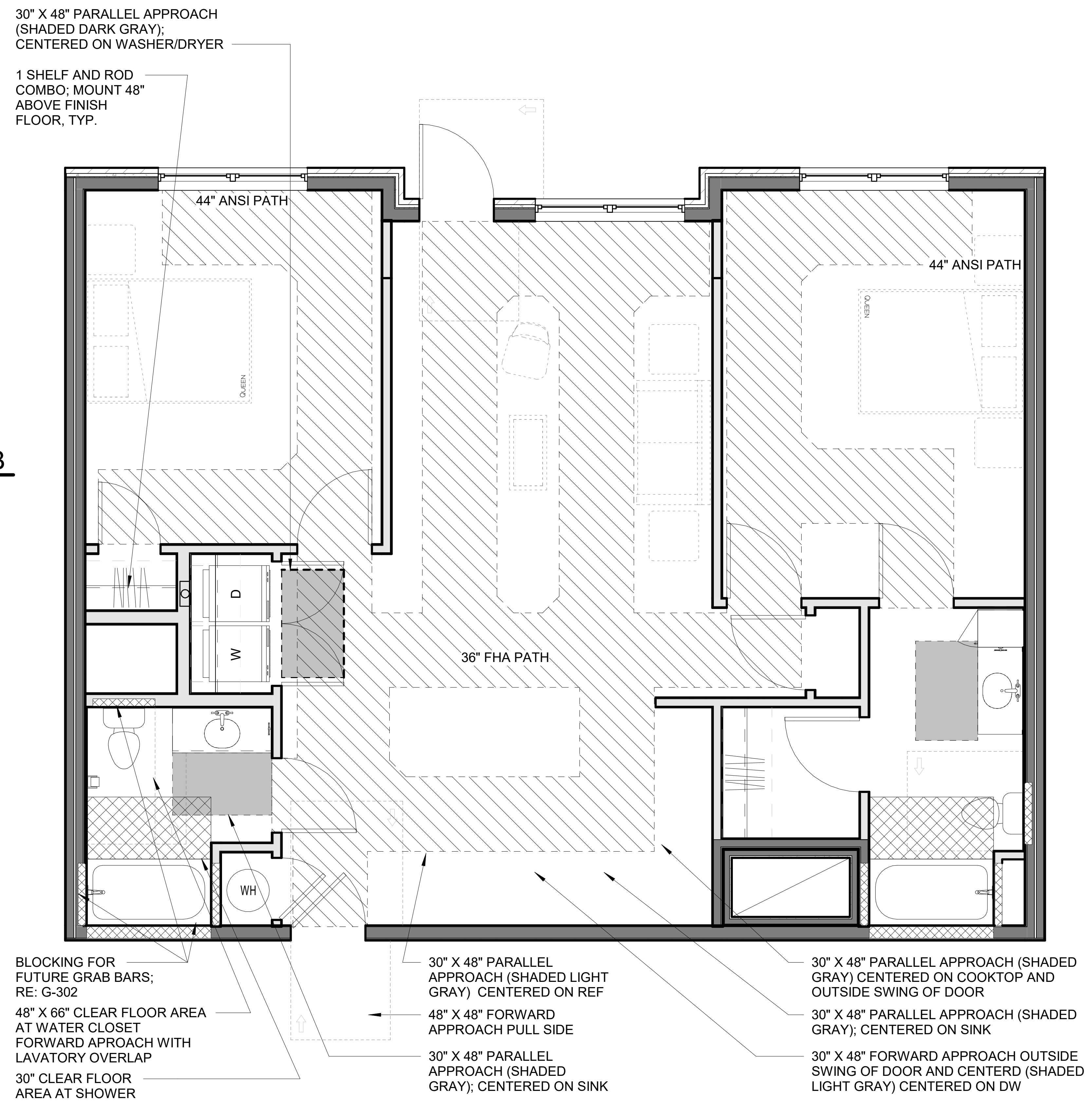
3



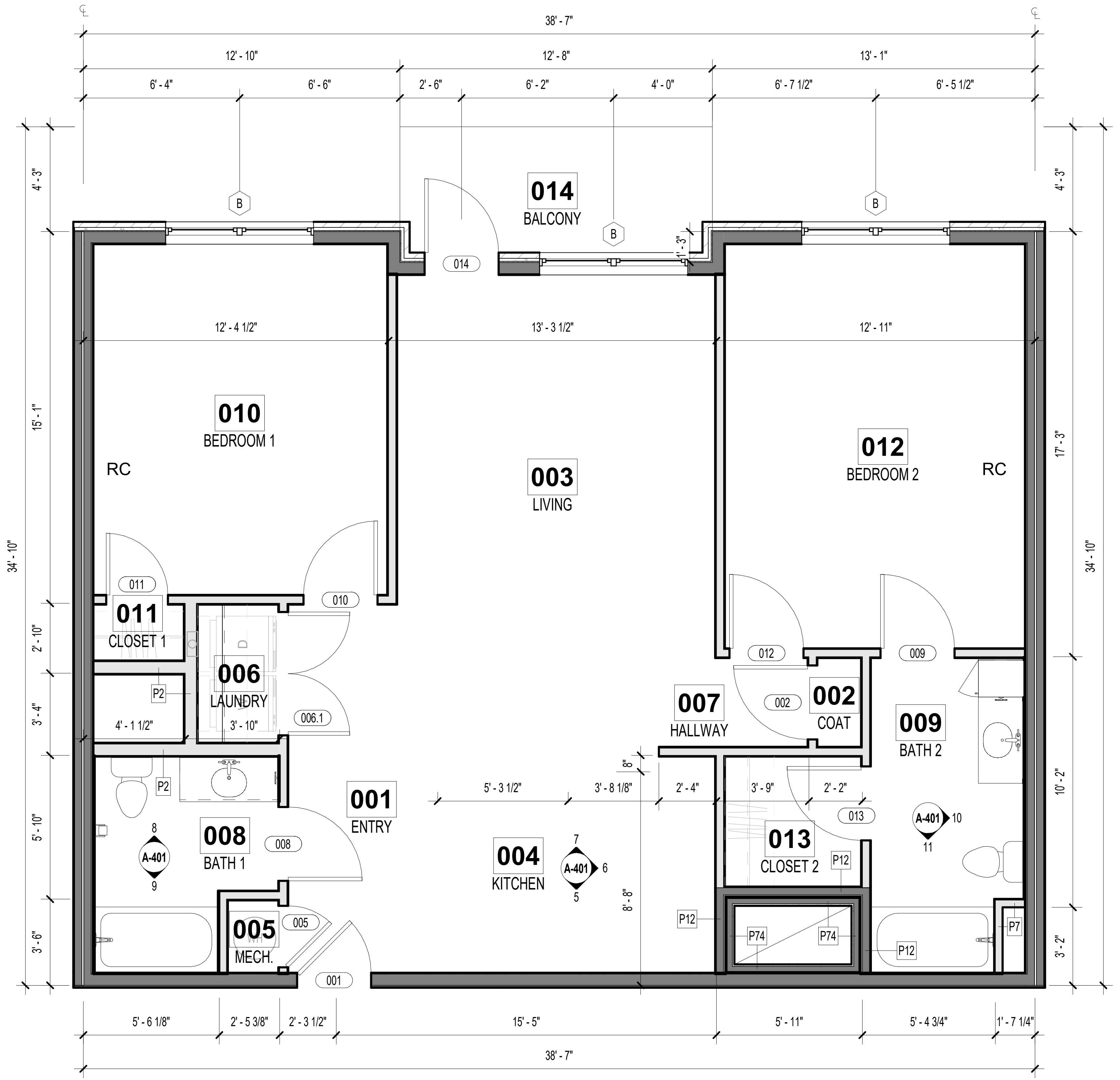
4 UNIT FINISH PLAN - ABERDEEN - ALT - TYPE B
1/8" = 1'-0"



3 UNIT RCP - ABERDEEN - ALT - TYPE B
1/8" = 1'-0"


30" X 48" PARALLEL APPROACH (SHADED DARK GRAY); CENTERED ON WASHER/DRYER
1 SHELF AND ROD COMBO; MOUNT 48" ABOVE FINISH FLOOR, TYP.
44" ANSI PATH
44" ANSI PATH
36" FHA PATH
D
W
WH
BLOCKING FOR FUTURE GRAB BARS; RE: G-302
48" X 66" CLEAR FLOOR AREA AT WATER CLOSET FORWARD APROACH WITH LAVATORY OVERLAP
30" CLEAR FLOOR AREA AT SHOWER
30" X 48" PARALLEL APPROACH (SHADED LIGHT GRAY) CENTERED ON REF
48" X 48" FORWARD APPROACH PULL SIDE
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
30" X 48" PARALLEL APPROACH (SHADED GRAY) CENTERED ON COOKTOP AND OUTSIDE SWING OF DOOR
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR AND CENTERD (SHADED LIGHT GRAY) CENTERED ON DW

2 UNIT CLEAR SPACE PLAN - ABERDEEN - ALT - TYPE B
1/4" = 1'-0"



1 UNIT FLOOR PLAN - ABERDEEN - ALT - TYPE B
1/4" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:
3 12/20/24 ADDENDUM #3

rosemann & ASSOCIATES p.c.
ARCHITECTURE
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ENGINEERING
PLANNING

1526 Grand Boulevard
Kansas City, MO 64108-1404
p: 816.472.1448
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DAVID EUGENE HENDRIKSE
NUMBER A-7305
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
ABERDEEN (2 BR) ALT UNIT PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

A-401

12/20/2024 7:11:49 PM
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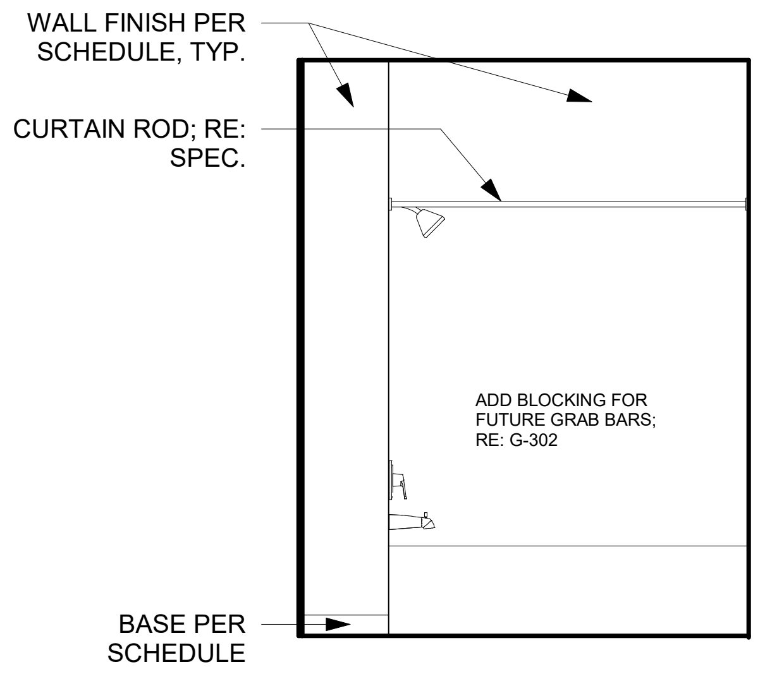
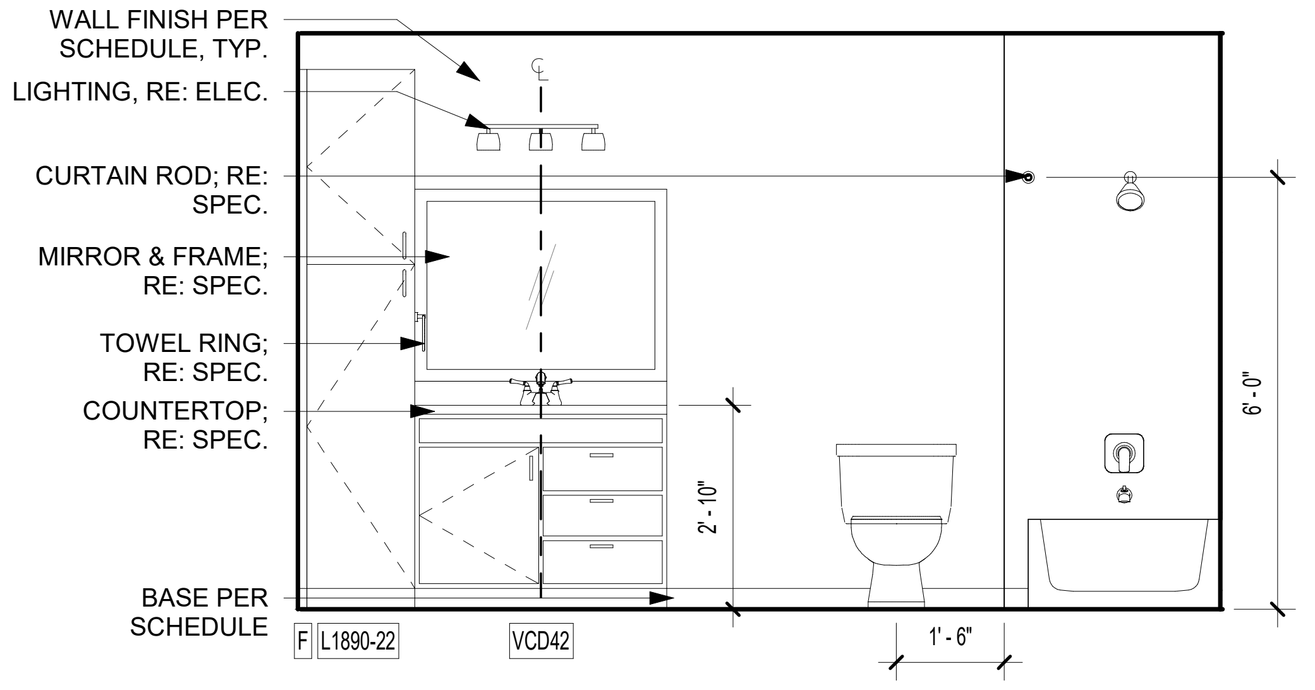
REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND
REFERENCE A-400 FOR UNIT PLAN LEGEND
REFERENCE A-102 & A-103 FOR RC LOCATIONS

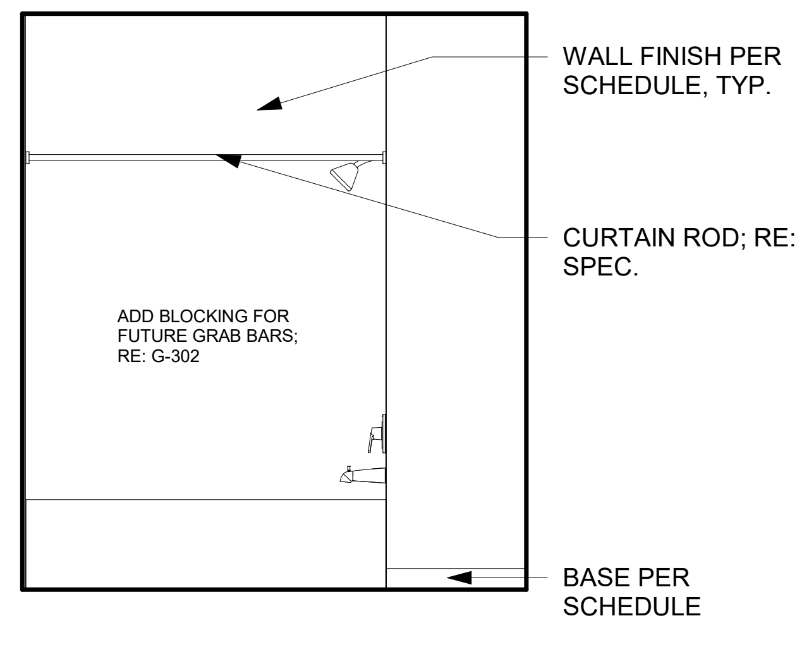


WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
BASE PER SCHEDULE

12 ABERDEEN BATH 2 ELEV. 2
3/8" = 1'-0"

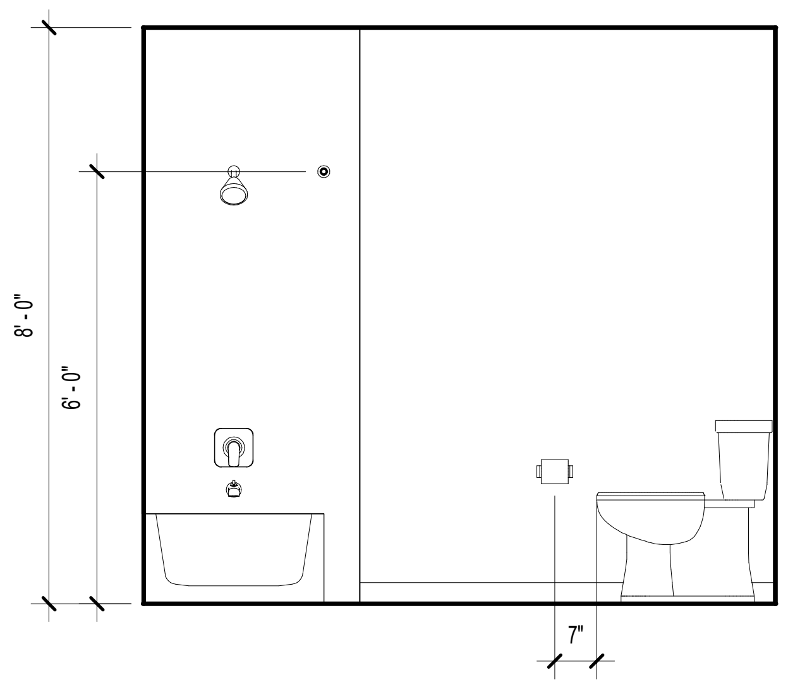


11 ABERDEEN BATH 2 ELEV. 1
3/8" = 1'-0"

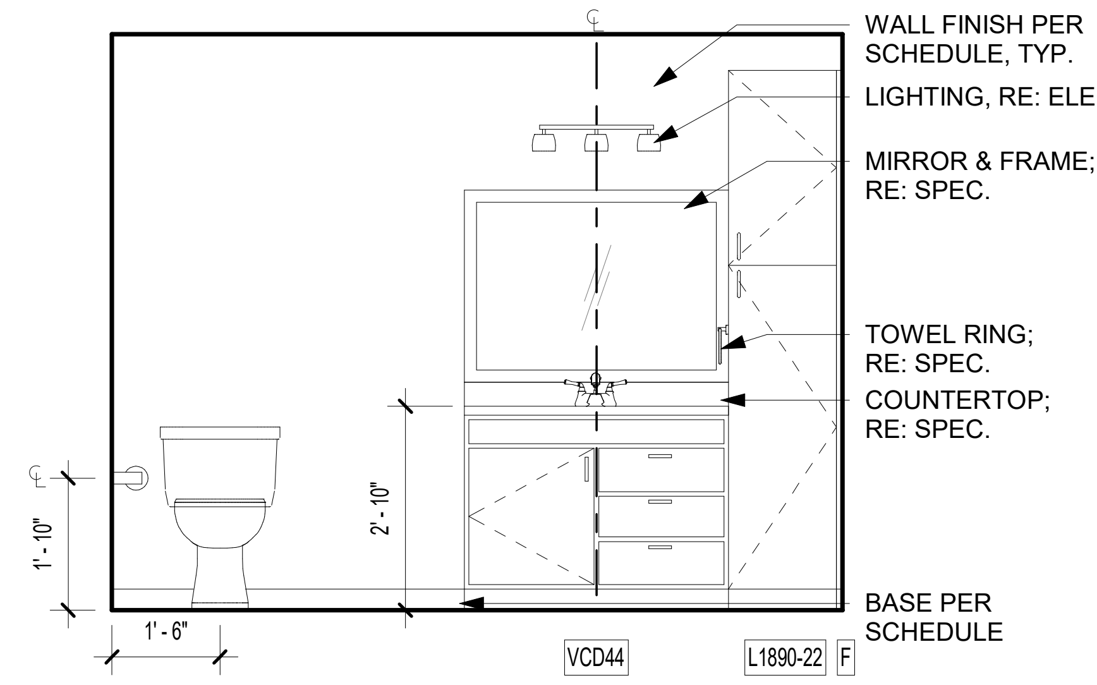


WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
BASE PER SCHEDULE

10 ABERDEEN BATH 1 ELEV. 3
3/8" = 1'-0"

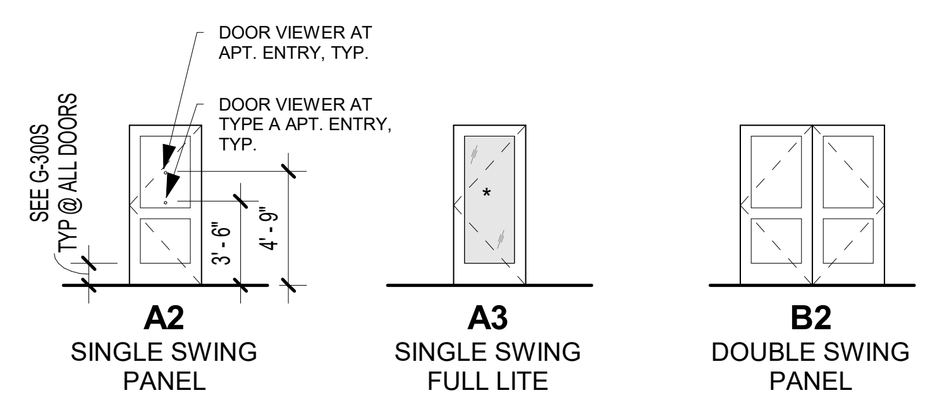


9 ABERDEEN BATH 1 ELEV. 2
3/8" = 1'-0"



8 ABERDEEN BATH 1 ELEV. 1
3/8" = 1'-0"

DOOR TYPES - UNITS



DOOR VIEWER AT APT. ENTRY, TYP.
DOOR VIEWER AT TYPE A APT. ENTRY, TYP.
SEE G-300S TYP @ ALL DOORS
3' - 6"
4' - 9"
A2
SINGLE SWING PANEL
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DOUBLE SWING PANEL

Room Finish Schedule - Units						
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
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007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
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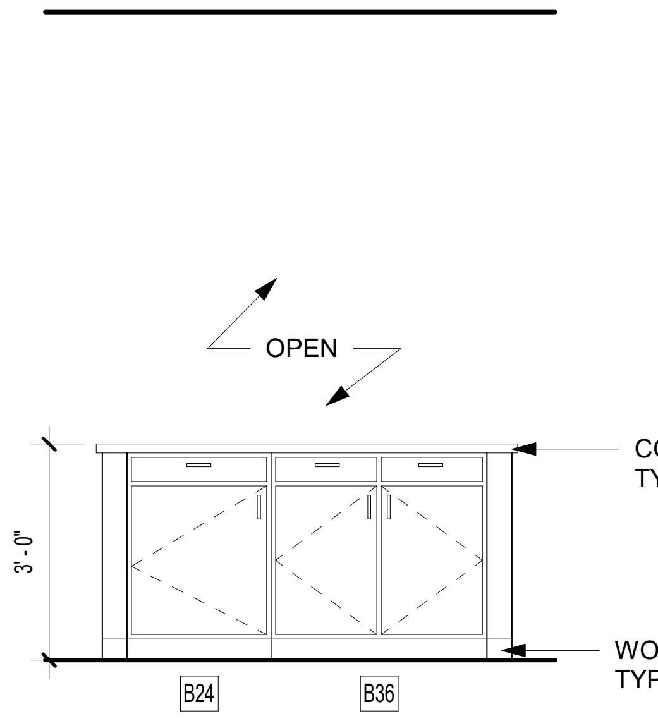
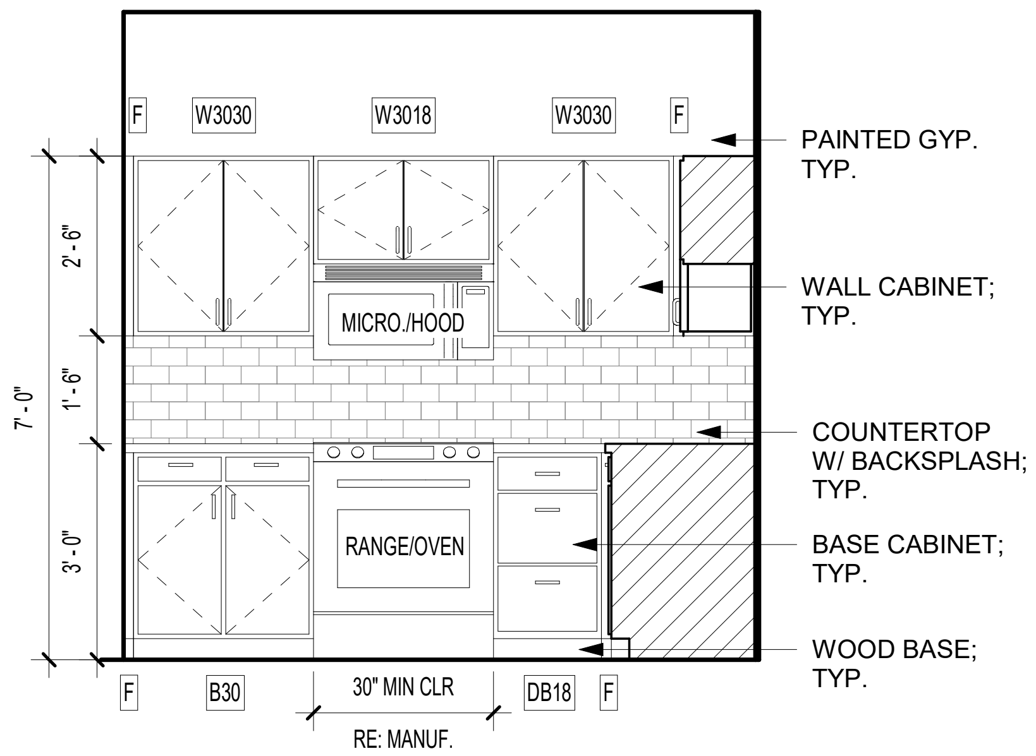
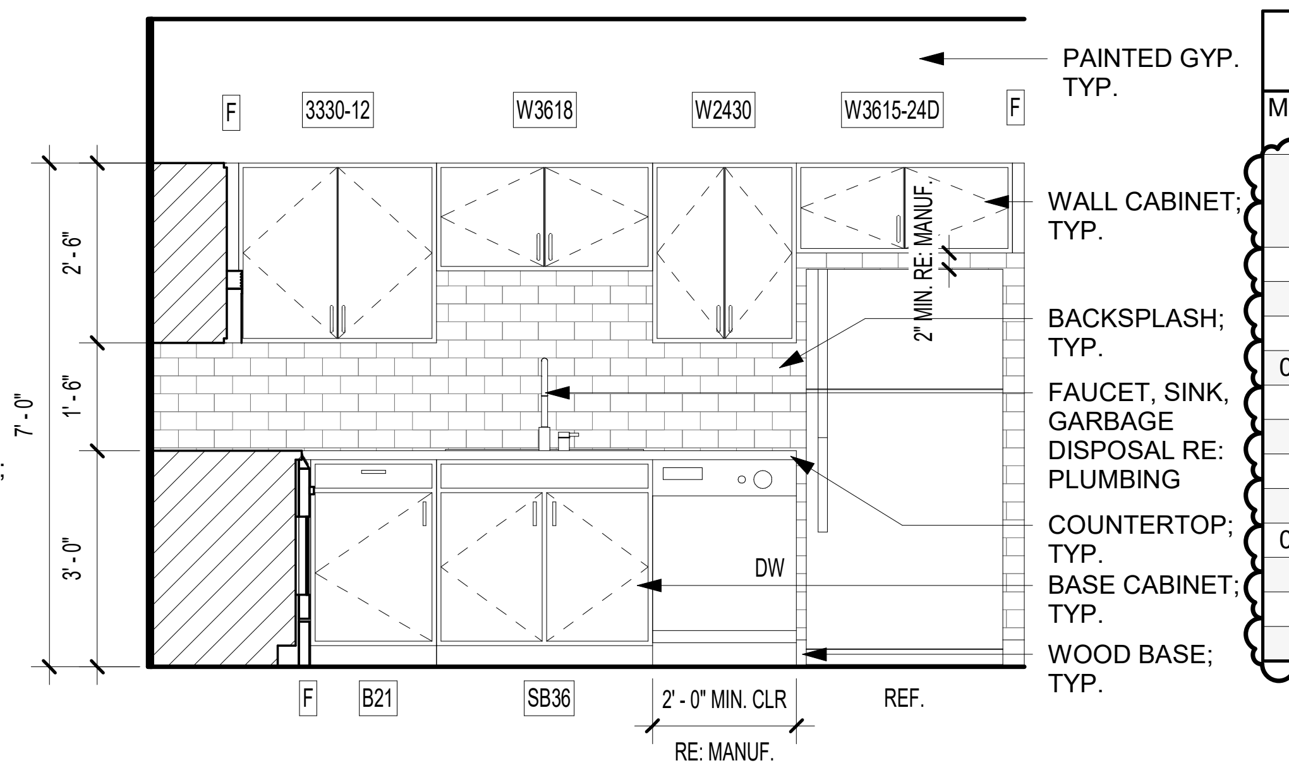
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				



7 ABERDEEN KITCHEN ELEV. 3
3/8" = 1'-0"



6 ABERDEEN KITCHEN ELEV. 2
3/8" = 1'-0"



5 ABERDEEN KITCHEN ELEV. 1
3/8" = 1'-0"

DOOR SCHEDULE - UNIT DOORS								
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
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002	COAT	3' - 0"	6' - 8"	1 3/8"		A2	PH	
005	MECH.	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006	LAUNDRY	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006.1	LAUNDRY	6' - 0"	6' - 8"	1 3/8"		B2	PH	UNDERCUT IF REQ'D
008	BATH 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
009	BATH 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
010	BEDROOM 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011.1	CLOSET	6' - 0"	6' - 8"	1 3/8"		B2	PH	
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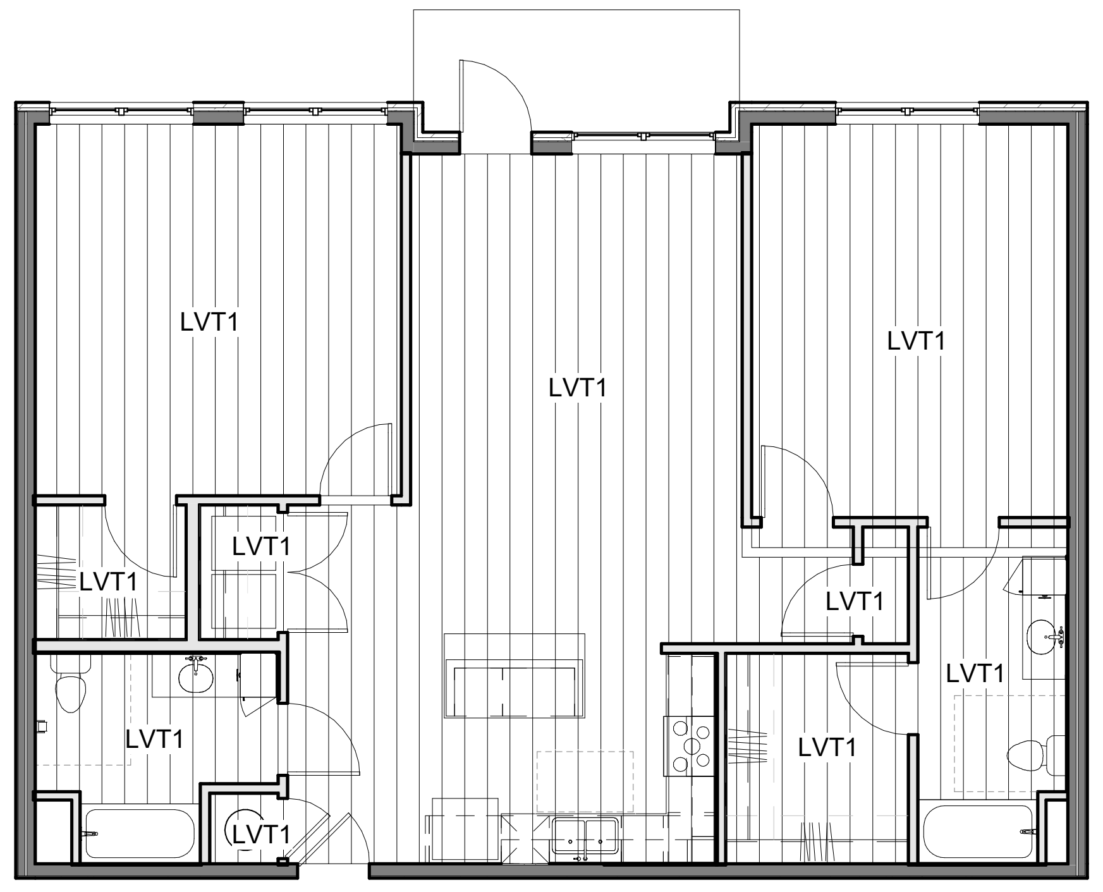
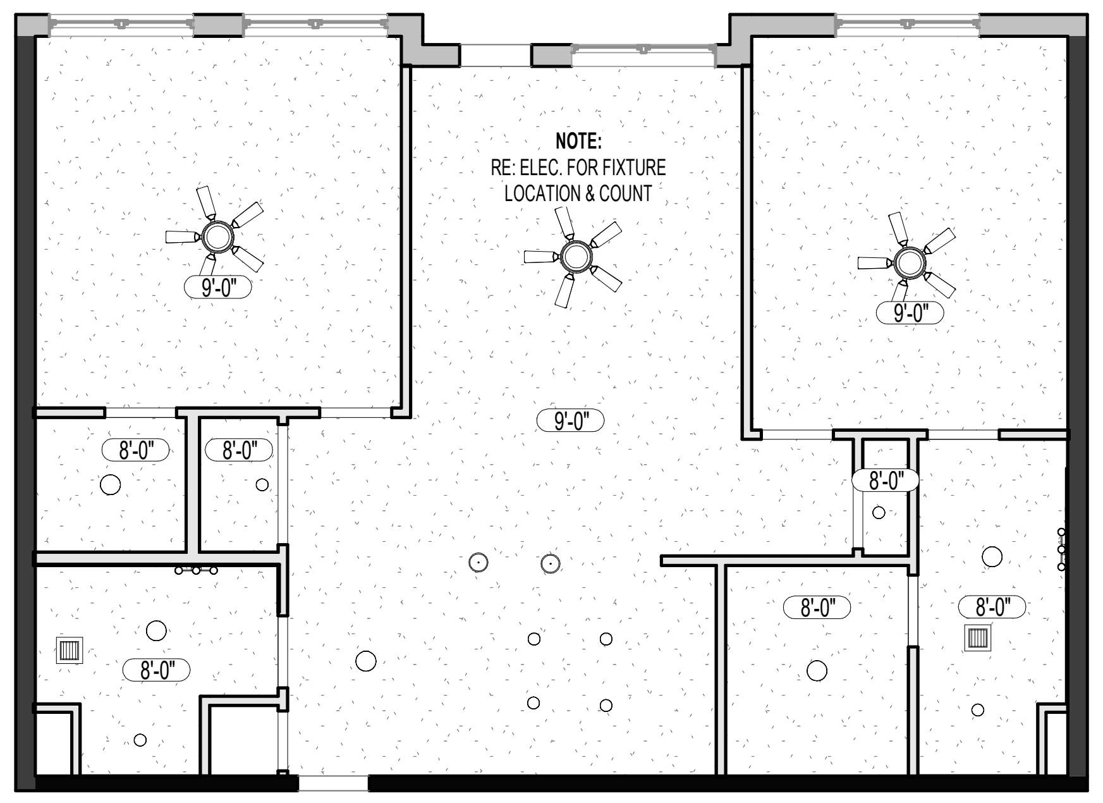
013	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
014	BALCONY	3' - 0"	8' - 0"	1 3/4"		A3	TIMELY	

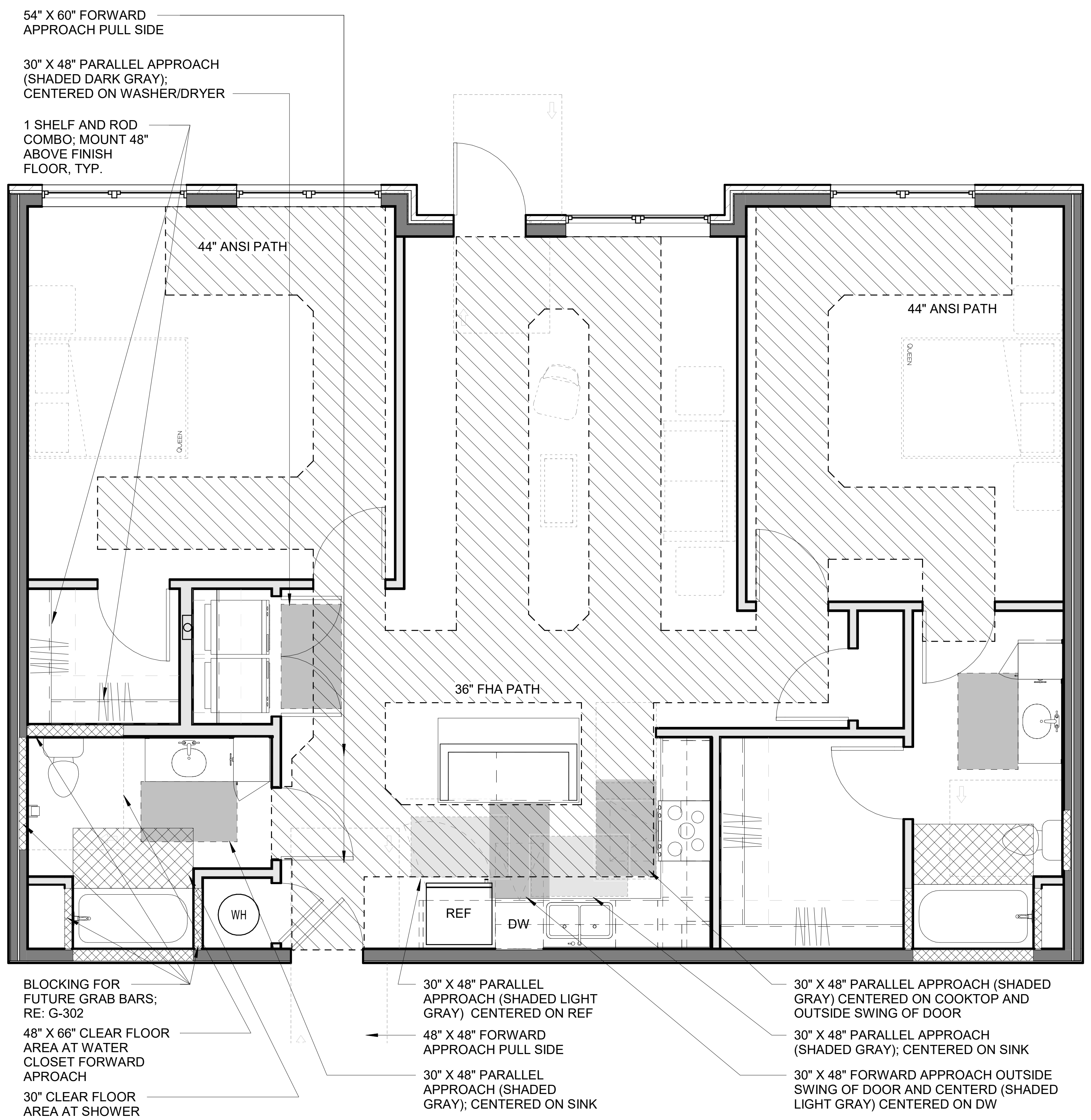
3



4 UNIT FINISH PLAN - ABERDEEN (2 BR) - TYPE B
1/8" = 1'-0"

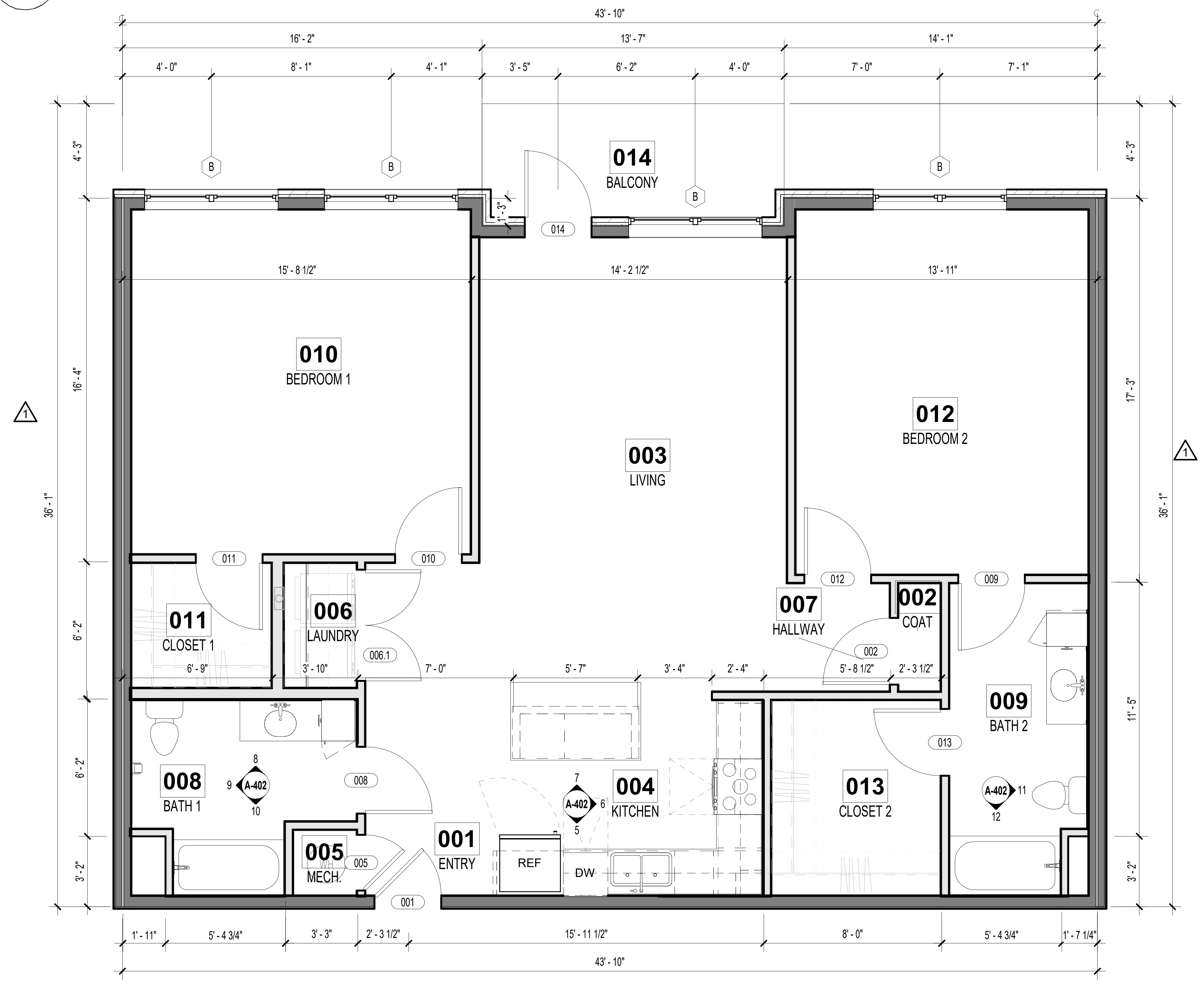


3 UNIT RCP - ABERDEEN (2 BR) - TYPE B
1/8" = 1'-0"



54" X 60" FORWARD APPROACH PULL SIDE
30" X 48" PARALLEL APPROACH (SHADED DARK GRAY); CENTERED ON WASHER/DRYER
1 SHELF AND ROD COMBO; MOUNT 48" ABOVE FINISH FLOOR, TYP.
44" ANSI PATH
44" ANSI PATH
36" FHA PATH
WH
REF
DW
BLOCKING FOR FUTURE GRAB BARS; RE: G-302
48" X 66" CLEAR FLOOR AREA AT WATER CLOSET FORWARD APROACH
30" CLEAR FLOOR AREA AT SHOWER
30" X 48" PARALLEL APPROACH (SHADED LIGHT GRAY) CENTERED ON REF
48" X 48" FORWARD APPROACH PULL SIDE
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
30" X 48" PARALLEL APPROACH (SHADED GRAY) CENTERED ON COOKTOP AND OUTSIDE SWING OF DOOR
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR AND CENTERD (SHADED LIGHT GRAY) CENTERED ON DW

2 UNIT CLEAR SPACE PLAN - ABERDEEN (2 BR) - TYPE B
1/4" = 1'-0"



1 UNIT FLOOR PLAN - ABERDEEN (2 BR) - TYPE B
1/4" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/24	ADDENDUM #1
3	12/20/24	ADDENDUM #3

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INTERIOR DESIGN
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1526 Grand Boulevard
Kansas City, MO 64108-1404
p: 816.472.1448
w: www.rosemann.com

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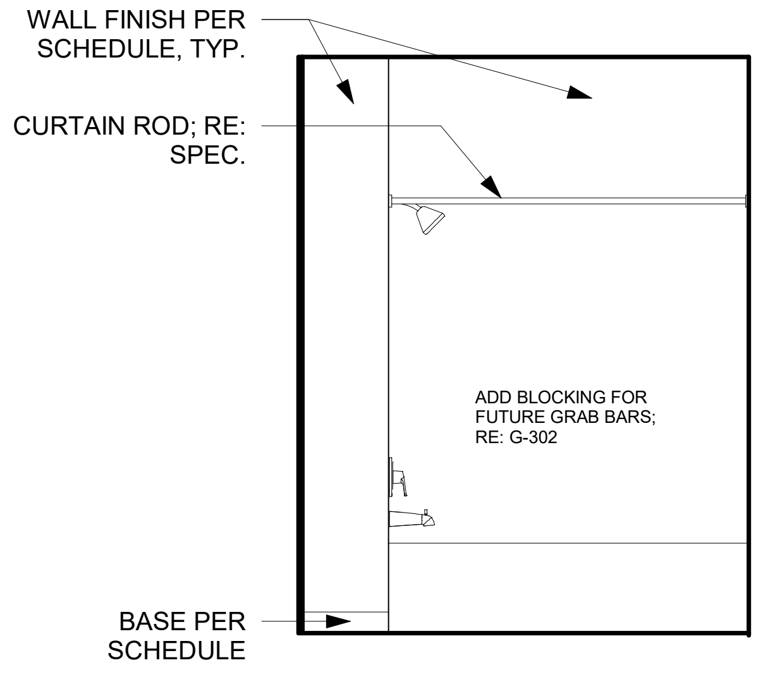
STATE OF MISSOURI
DAVID EUGENE HENDRIKSE
NUMBER A-7305
REGISTERED ARCHITECT
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4
LEE'S SUMMIT, MO

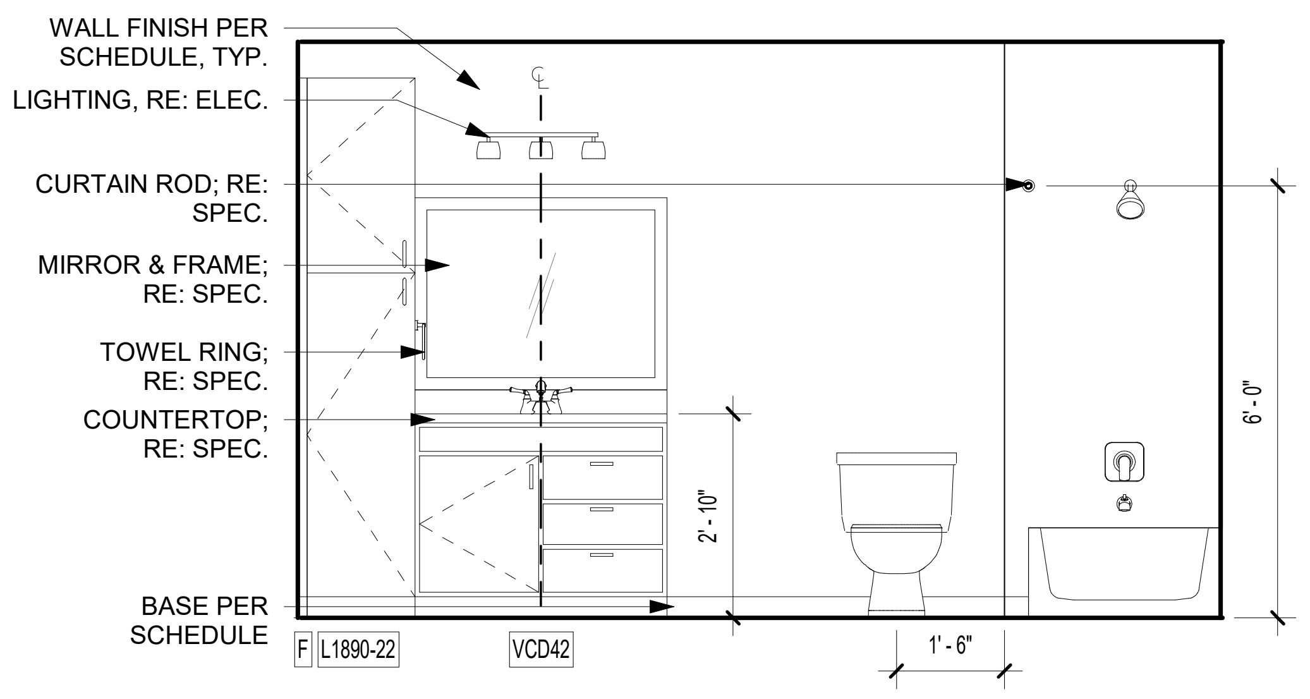
SHEET TITLE
ABERDEEN (2 BR) UNIT PLAN - TYPE B

PROJECT NUMBER: 23099

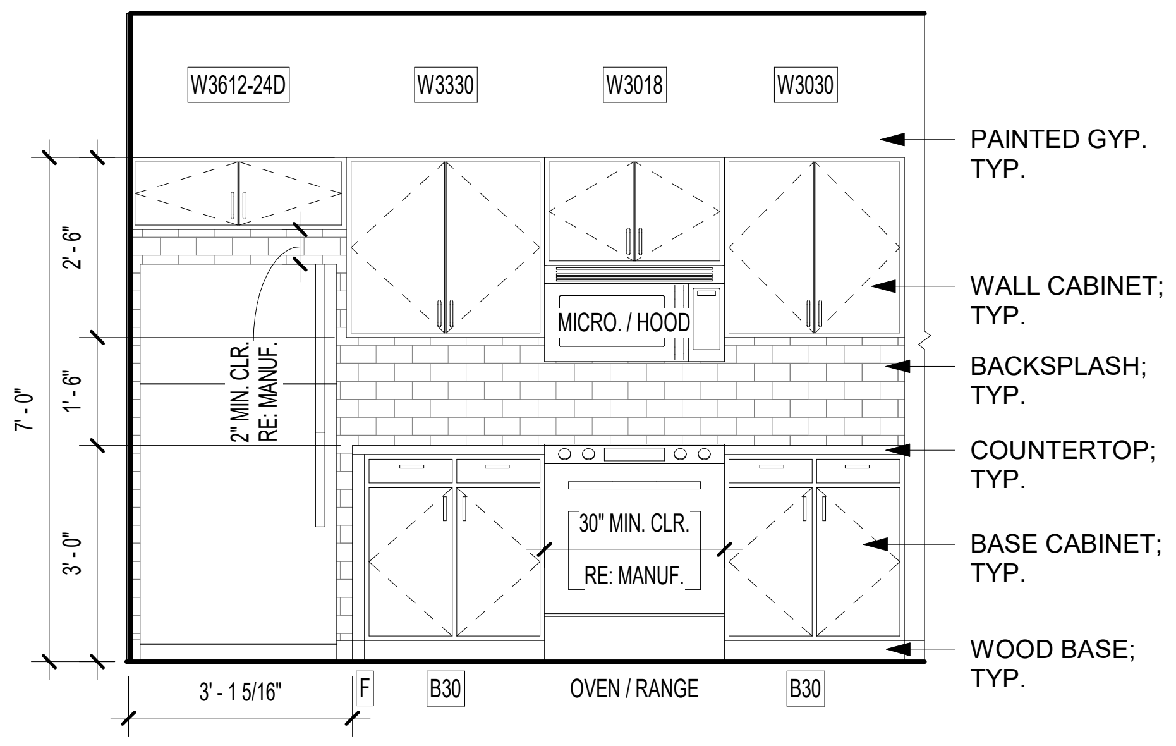
SHEET NUMBER:
A-402


WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
BASE PER SCHEDULE

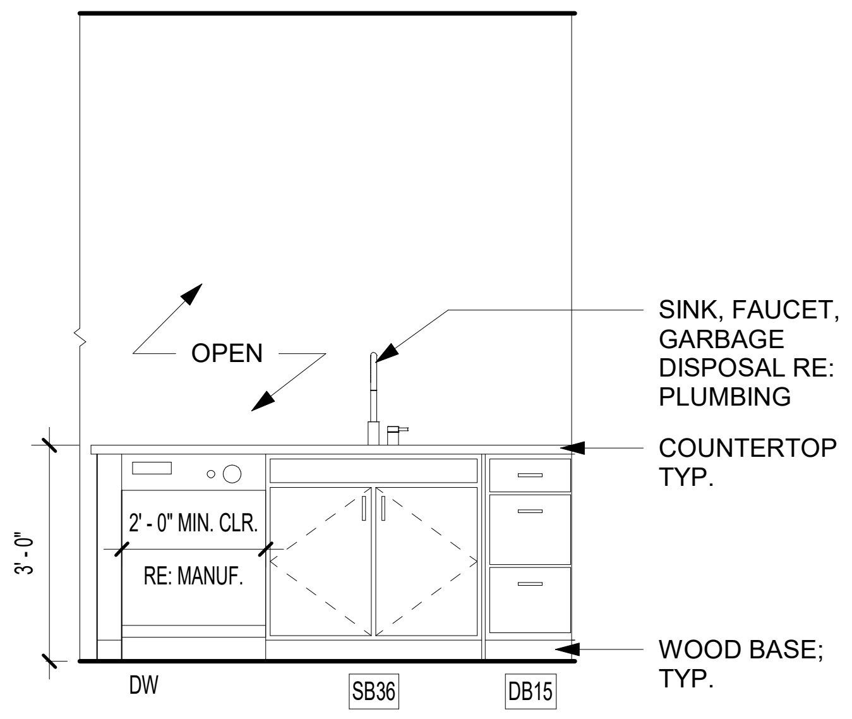
8 ADRIAN BATH ELEV. 2
3/8" = 1'-0" (MIRRORED)



7 ADRIAN BATH ELEV. 1
3/8" = 1'-0" (MIRRORED)



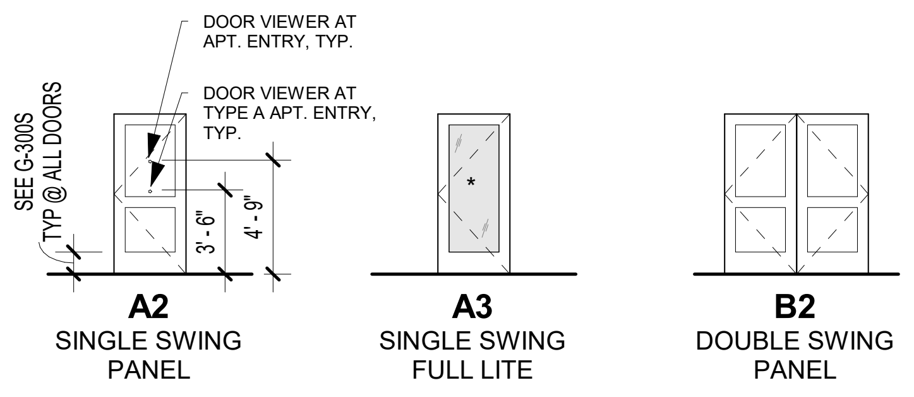
6 ADRIAN KITCHEN ELEV. 2
3/8" = 1'-0"


OPEN
SINK, FAUCET, GARBAGE DISPOSAL RE: PLUMBING
COUNTERTOP TYP.
WOOD BASE; TYP.
2' - 0" MIN. CLR. RE: MANUF.
3' - 0"
DW
SB36
DB15

5 ADRIAN KITCHEN ELEV. 1
3/8" = 1'-0"

REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND
REFERENCE A-400 FOR UNIT PLAN LEGEND
REFERENCE A-102 & A-103 FOR RC LOCATIONS

DOOR TYPES - UNITS


DOOR VIEWER AT APT. ENTRY, TYP.
DOOR VIEWER AT TYPE A APT. ENTRY, TYP.
SEE G-300S TYP @ ALL DOORS
3' - 6"
4' - 9"
A2
SINGLE SWING PANEL
A3
SINGLE SWING FULL LITE
B2
DOUBLE SWING PANEL

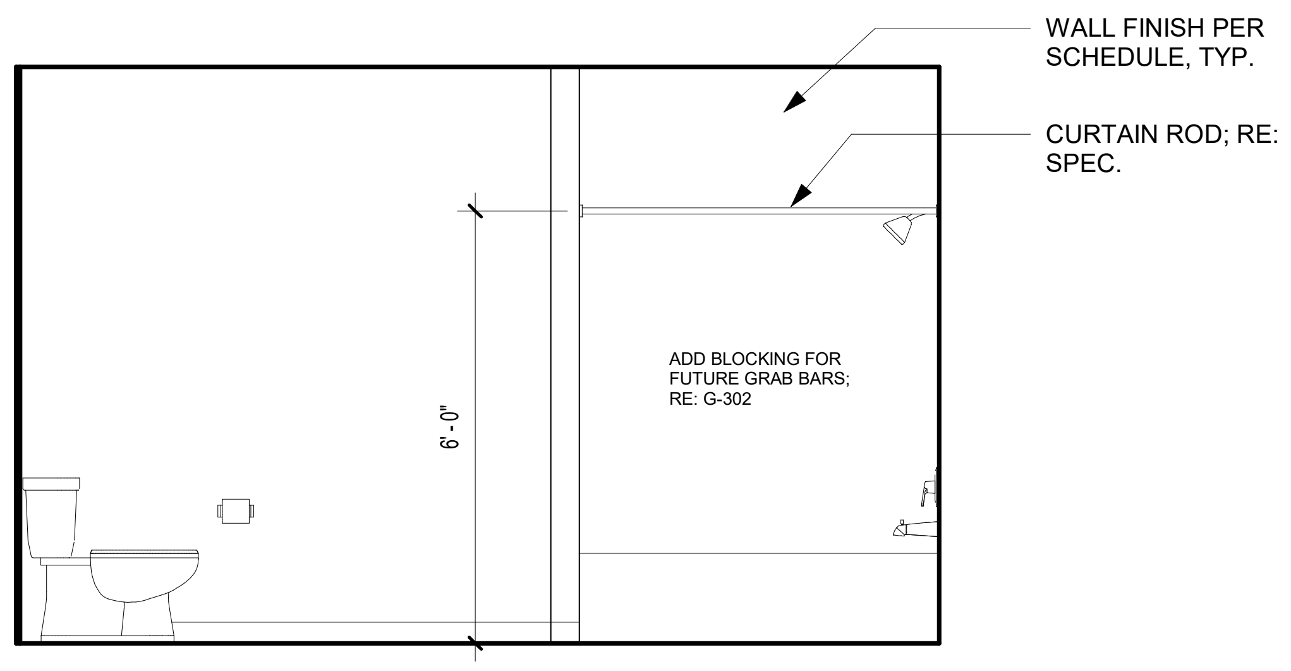
PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/24	ADDENDUM #1
3	12/20/24	ADDENDUM #3

Room Finish Schedule - Units

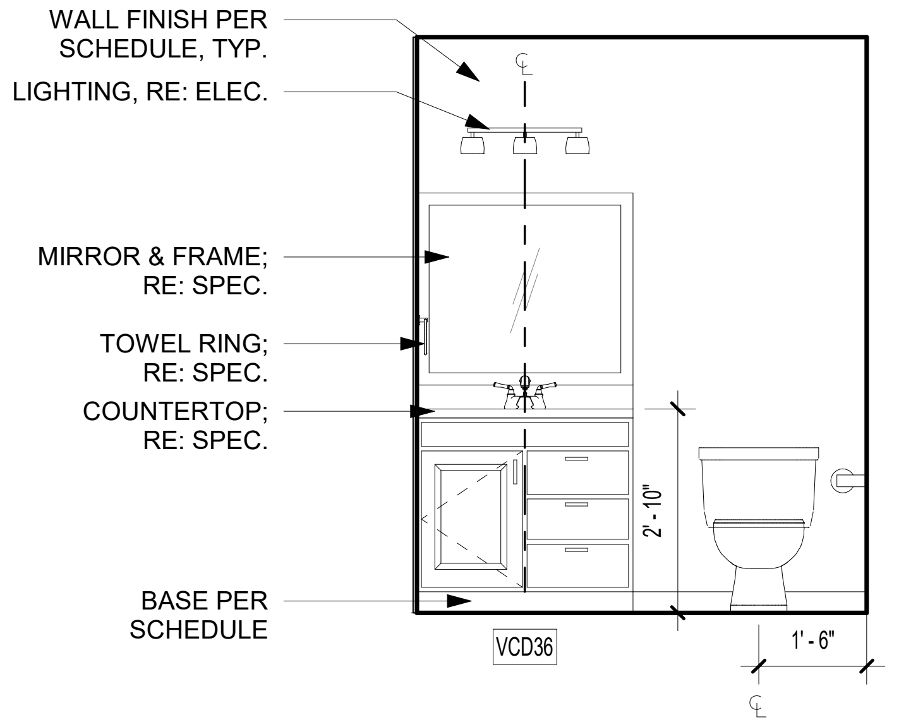
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
010	BEDROOM 1	LVT1	WB, PT3	PT1	PT4	
011	CLOSET 1	LVT1		PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				


WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
6' - 0"

DOOR SCHEDULE - UNIT DOORS

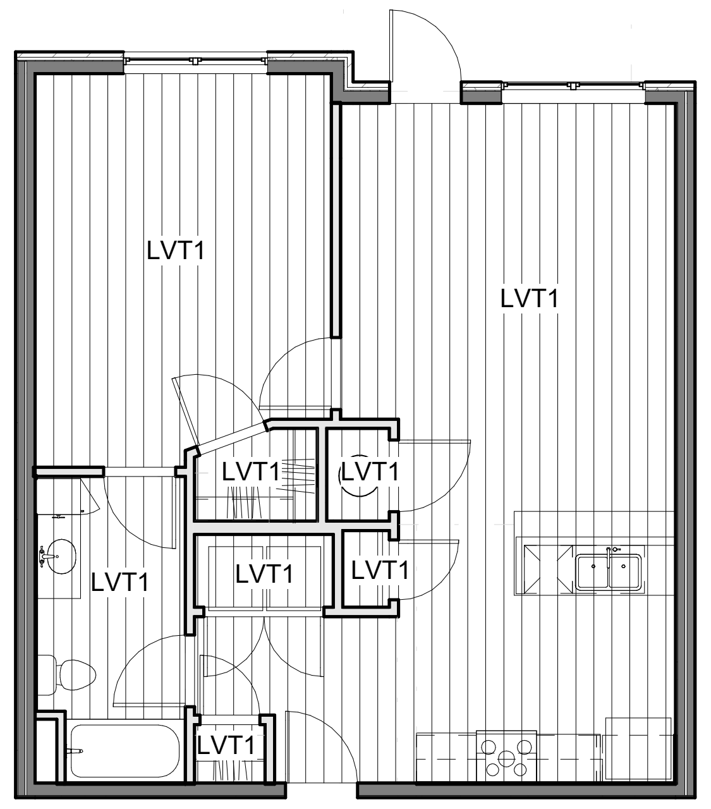
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3' - 0"	6' - 8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3' - 0"	6' - 8"	1 3/8"		A2	PH	
005	MECH.	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006	LAUNDRY	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006.1	LAUNDRY	6' - 0"	6' - 8"	1 3/8"		B2	PH	UNDERCUT IF REQ'D
008	BATH 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
009	BATH 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
010	BEDROOM 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011.1	CLOSET	6' - 0"	6' - 8"	1 3/8"		B2	PH	
012	BEDROOM 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
013	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
014	BALCONY	3' - 0"	8' - 0"	1 3/4"		A3	TIMELY	

3

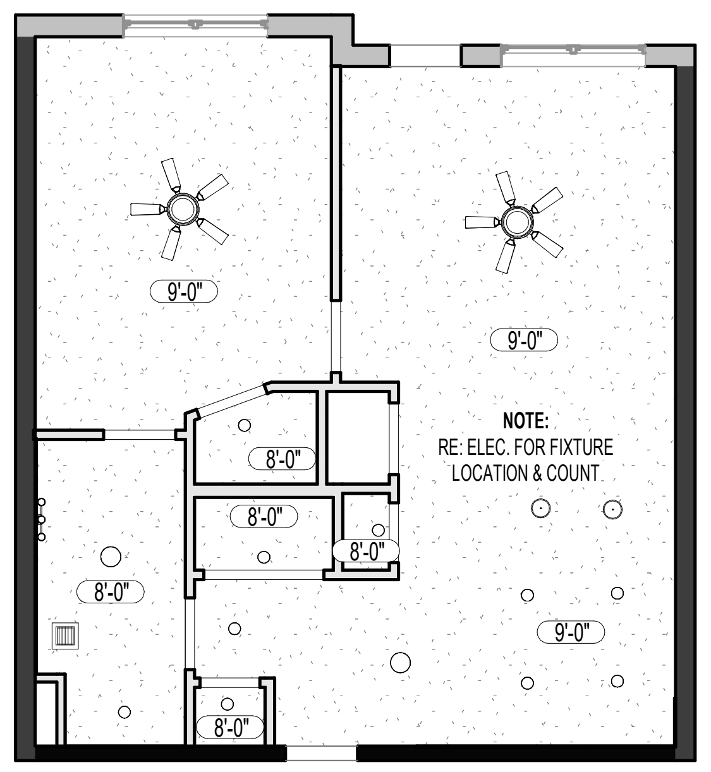


11 ADRIAN ALT BATH ELEV. 2
3/8" = 1'-0"

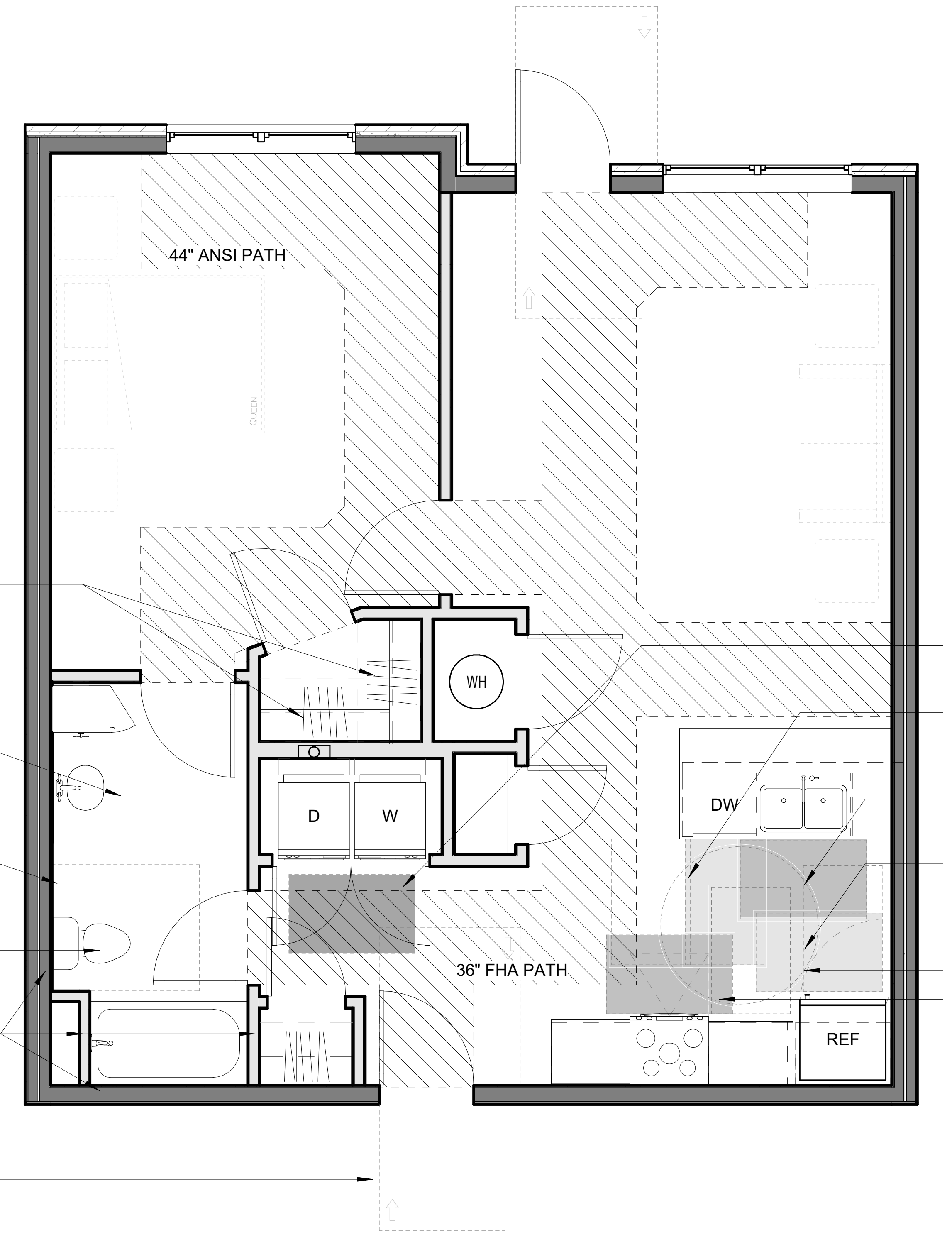
10 ADRIAN ALT BATH ELEV. 1
3/8" = 1'-0"



4 UNIT FINISH PLAN - ADRIAN (1 BR) - TYPE B
1/8" = 1'-0"



3 UNIT RCP - ADRIAN (1 BR) - TYPE B
1/8" = 1'-0"



1 SHELF AND ROD COMBO; MOUNT 48" ABOVE FINISH FLOOR, TYP.

30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK

48" X 66" CLEAR FLOOR AREA AT WATER CLOSET FORWARD APPROACH

30" CLEAR FLOOR AREA AT SHOWER

BLOCKING FOR FUTURE GRAB BARS; RE: G-302

48" X 48" FORWARD APPROACH PUSH SIDE

30" X 48" PARALLEL APPROACH (SHADED DARK GRAY); CENTERED ON WASHER/DRYER

30" X 48" PARALLEL APPROACH OUTSIDE SWING OF DOOR AND CENTERD (SHADED LIGHT GRAY) CENTERED ON DW

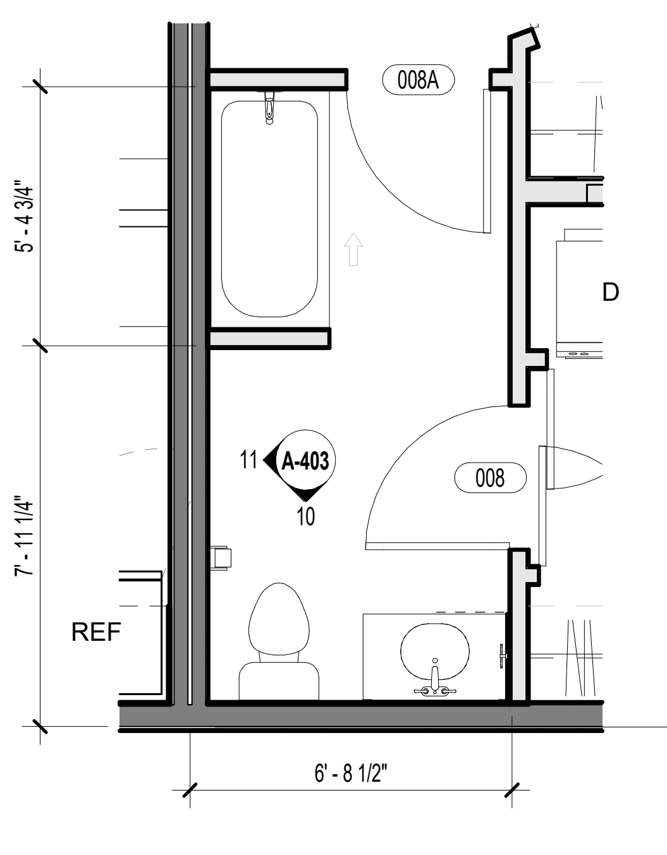
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK

30" X 48" PARALLEL APPROACH (SHADED LIGHT GRAY) OFFSET MAX 24" FROM CL AND 30" X 48" FORWARD APPROACH CENTERED ON REF

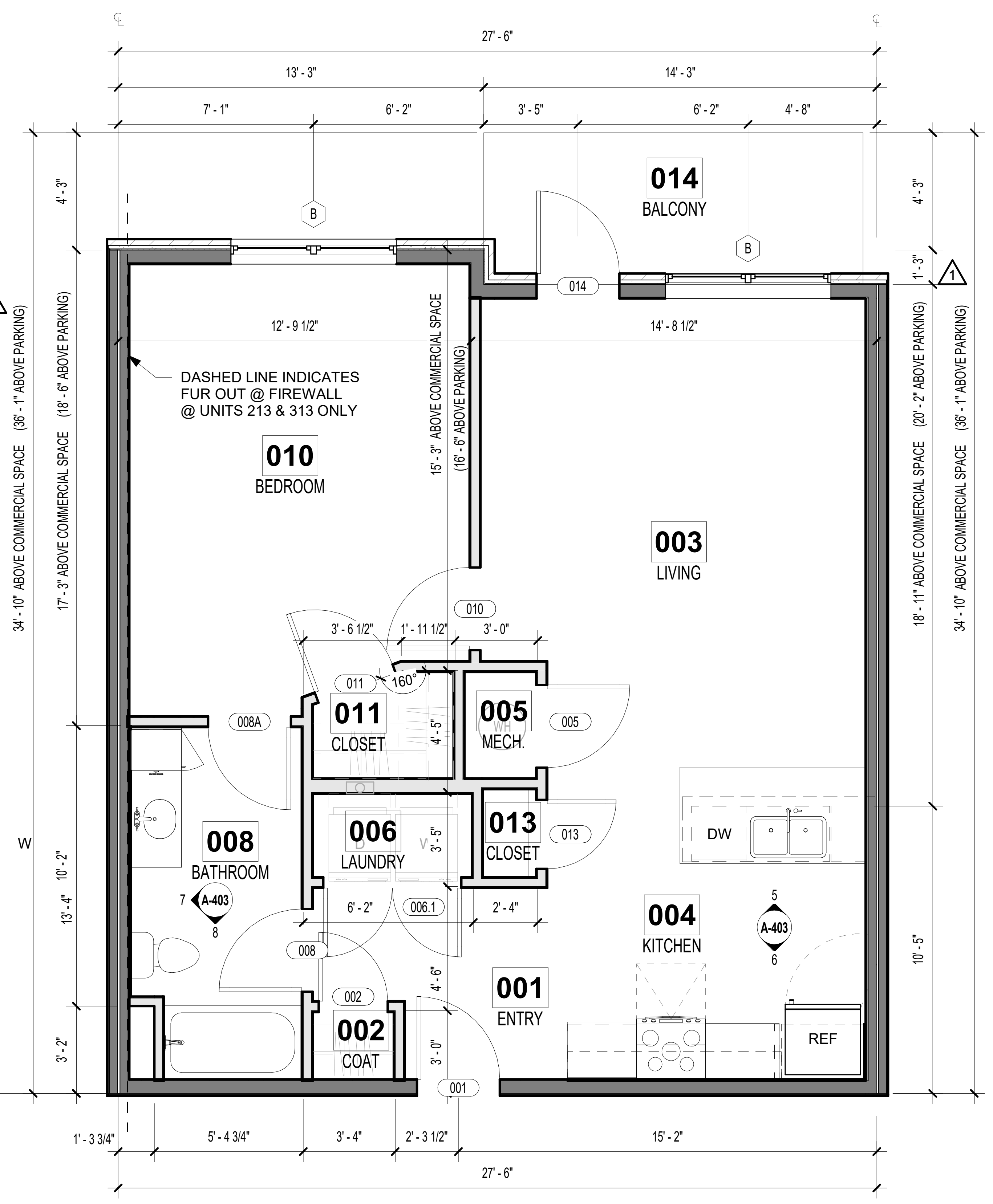
60" TURNING RADIUS

30" X 48" PARALLEL APPROACH (SHADED GRAY) CENTERED ON COOKTOP; 30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR

2 UNIT CLEAR SPACE PLAN - ADRIAN (1 BR) - TYPE B
1/4" = 1'-0"



9 ADRIAN ALT BATH
1/4" = 1'-0" (UNITS 209 & 211 ONLY)



1 UNIT FLOOR PLAN - ADRIAN (1 BR) - TYPE B
1/4" = 1'-0"

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DAVID EUGENE HENDRIKSE
NUMBER A-7305
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4
LEE'S SUMMIT, MO

SHEET TITLE
ADRIAN (1 BR) UNIT PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

A-403

12/20/2024 7:16:59 PM
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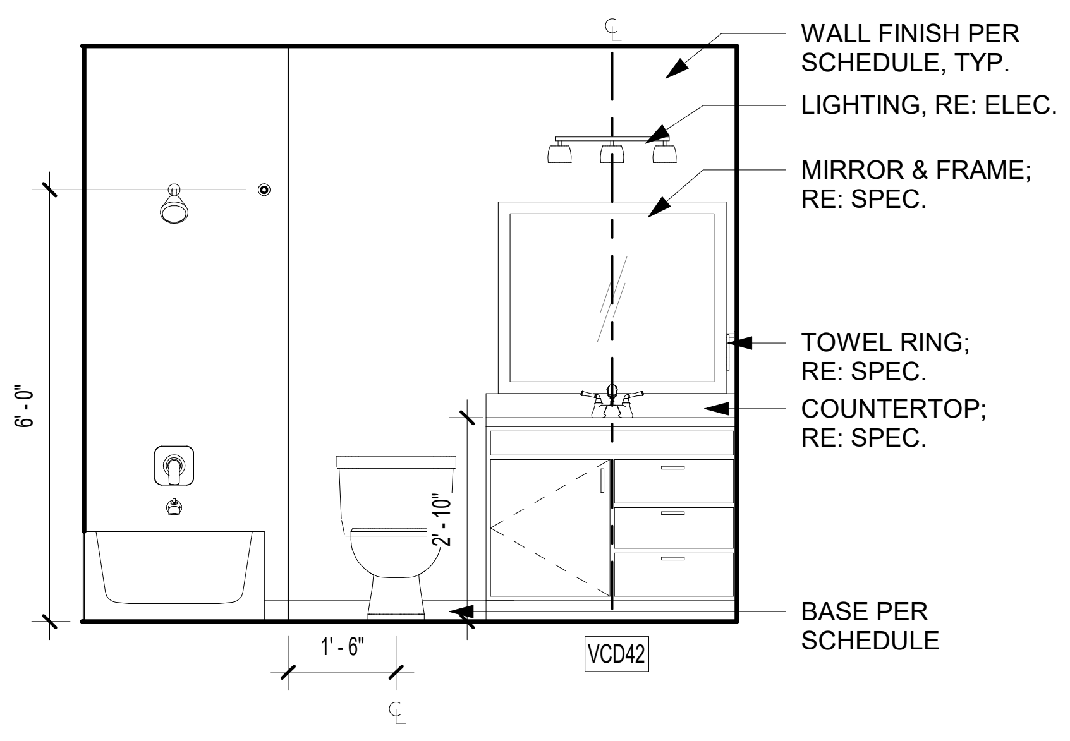
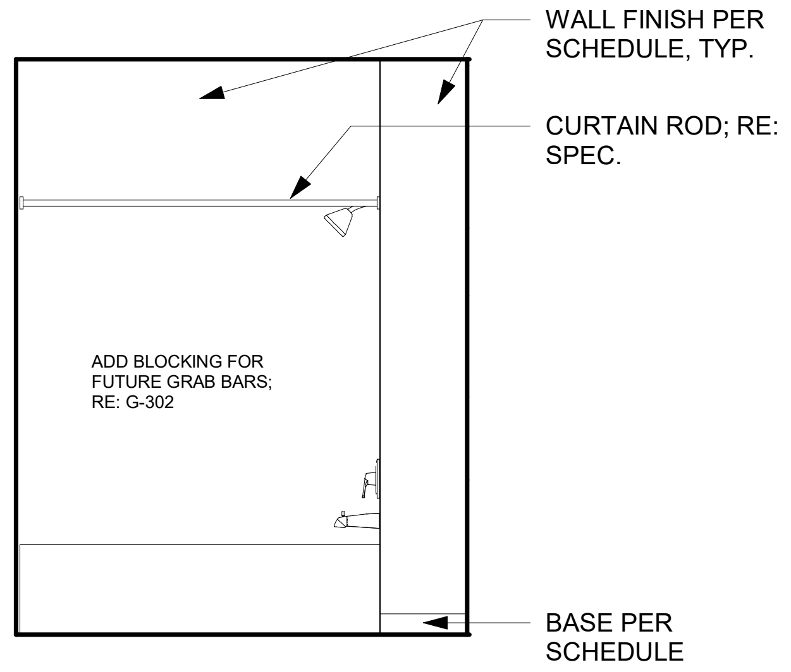


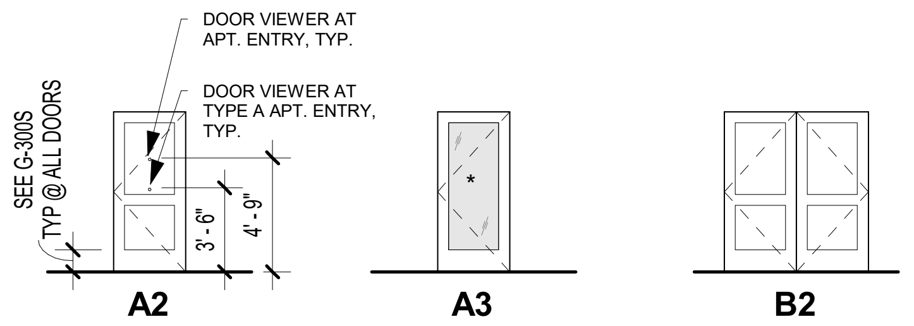
8 ADRIAN CORNER BATH ELEV. 2
3/8" = 1'-0"


WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
BASE PER SCHEDULE

7 ADRIAN CORNER BATH ELEV. 1
3/8" = 1'-0"

REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND
REFERENCE A-400 FOR UNIT PLAN LEGEND
REFERENCE A-102 & A-103 FOR RC LOCATIONS

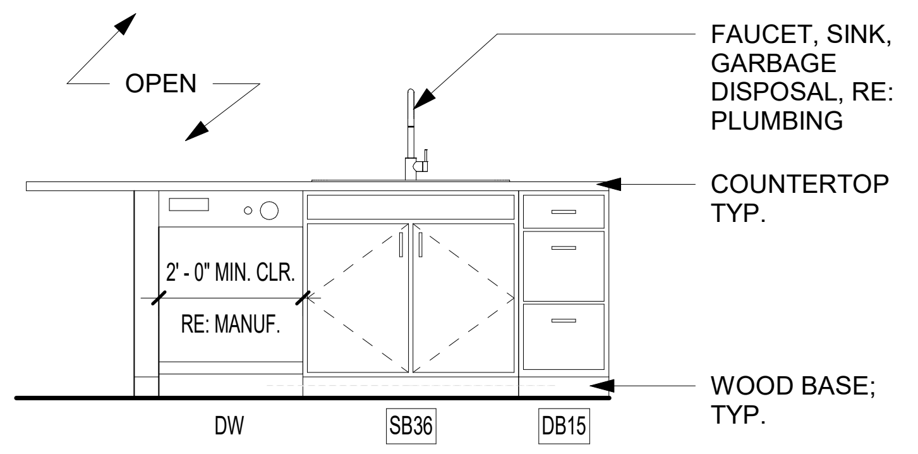
DOOR TYPES - UNITS


DOOR VIEWER AT APT. ENTRY, TYP.
DOOR VIEWER AT TYPE A APT. ENTRY, TYP.
SEE G-300S TYP @ ALL DOORS
3' - 6"
4' - 9"

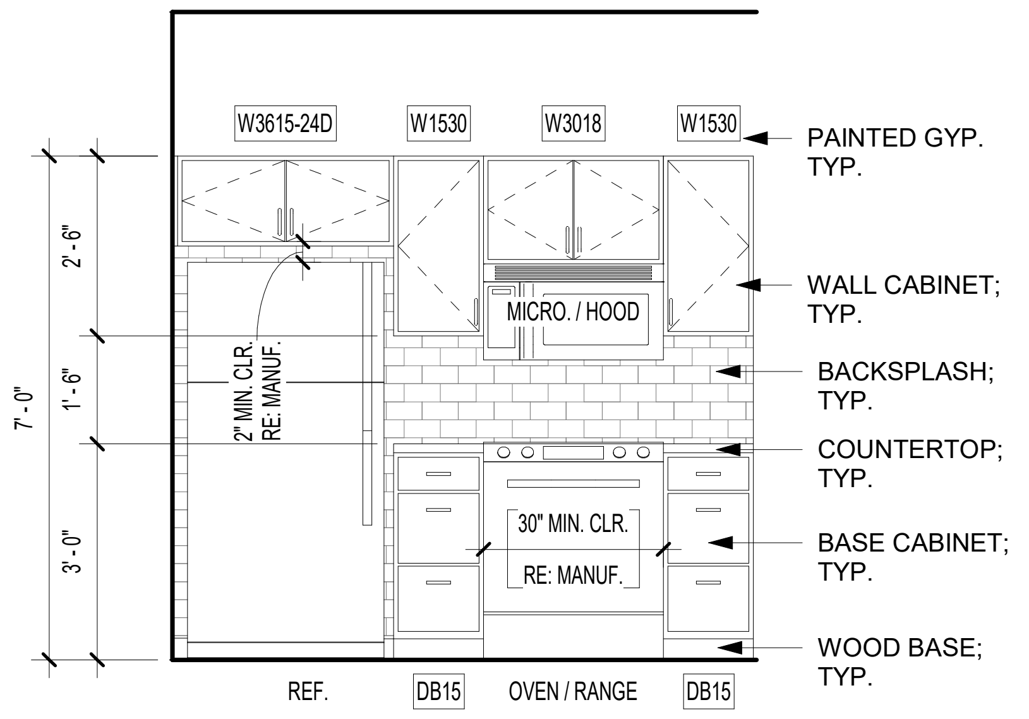
A2 SINGLE SWING PANEL
A3 SINGLE SWING FULL LITE
B2 DOUBLE SWING PANEL

Room Finish Schedule - Units

Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
010	BEDROOM 1	LVT1	WB, PT3	PT1	PT4	
011	CLOSET 1	LVT1		PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				



6 ADRIAN CORNER KIT. ELEV. 2
3/8" = 1'-0" (MIRRORED)

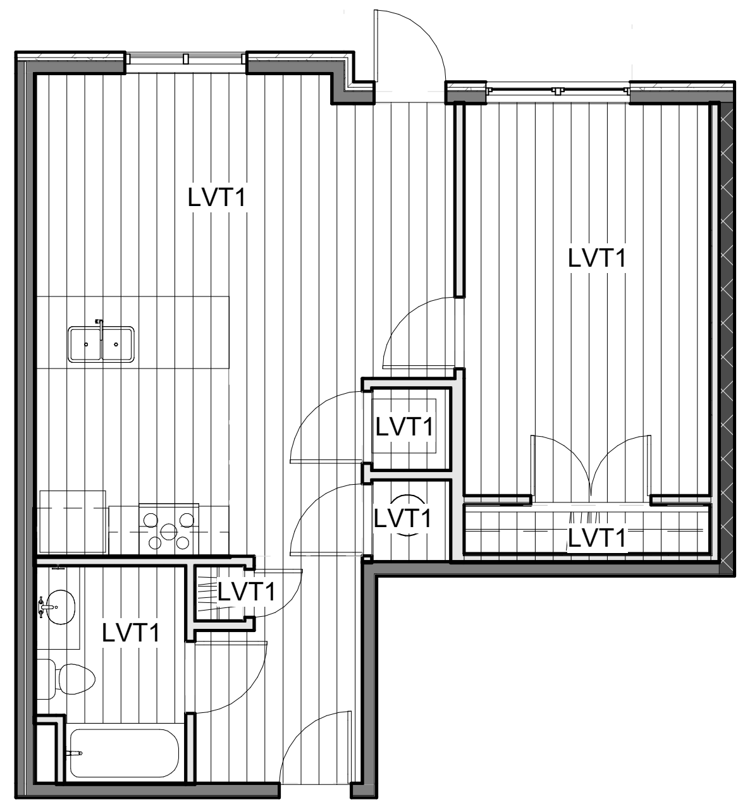


5 ADRIAN CORNER KIT. ELEV. 1
3/8" = 1'-0" (MIRRORED)

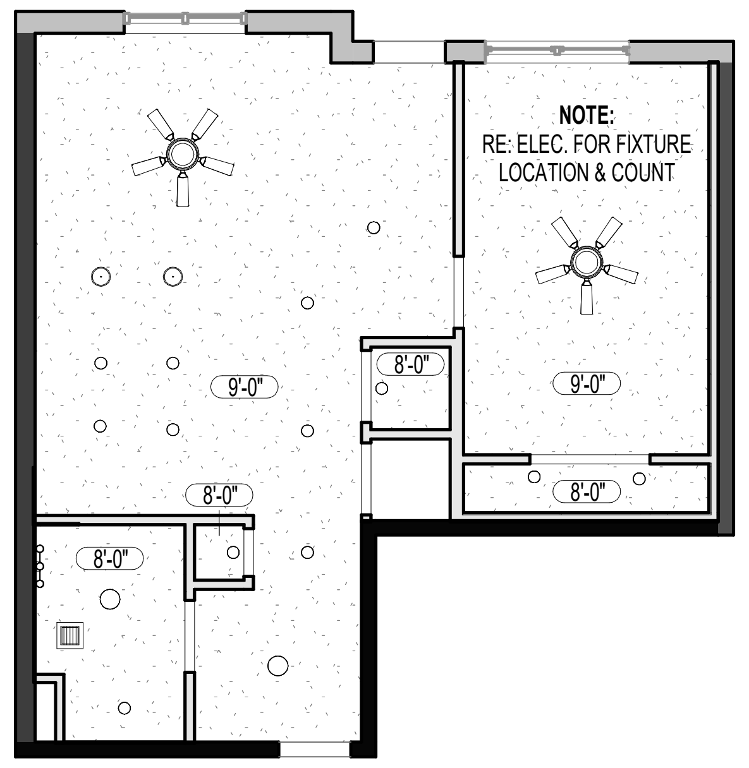
DOOR SCHEDULE - UNIT DOORS

Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3' - 0"	6' - 8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3' - 0"	6' - 8"	1 3/8"		A2	PH	
005	MECH.	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006	LAUNDRY	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006.1	LAUNDRY	6' - 0"	6' - 8"	1 3/8"		B2	PH	UNDERCUT IF REQ'D
008	BATH 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
009	BATH 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
010	BEDROOM 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011.1	CLOSET	6' - 0"	6' - 8"	1 3/8"		B2	PH	
012	BEDROOM 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
013	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
014	BALCONY	3' - 0"	8' - 0"	1 3/4"		A3	TIMELY	

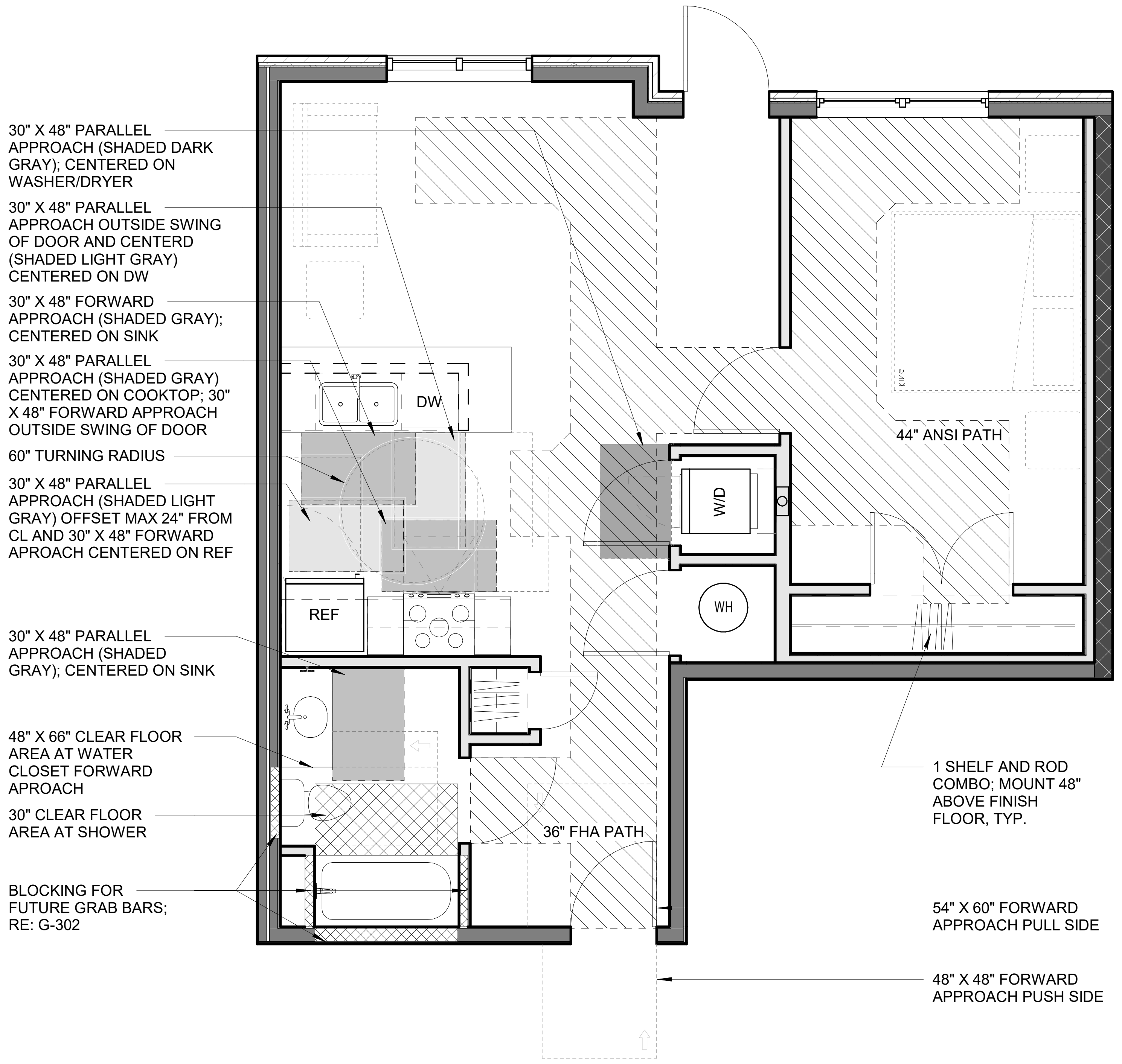
3



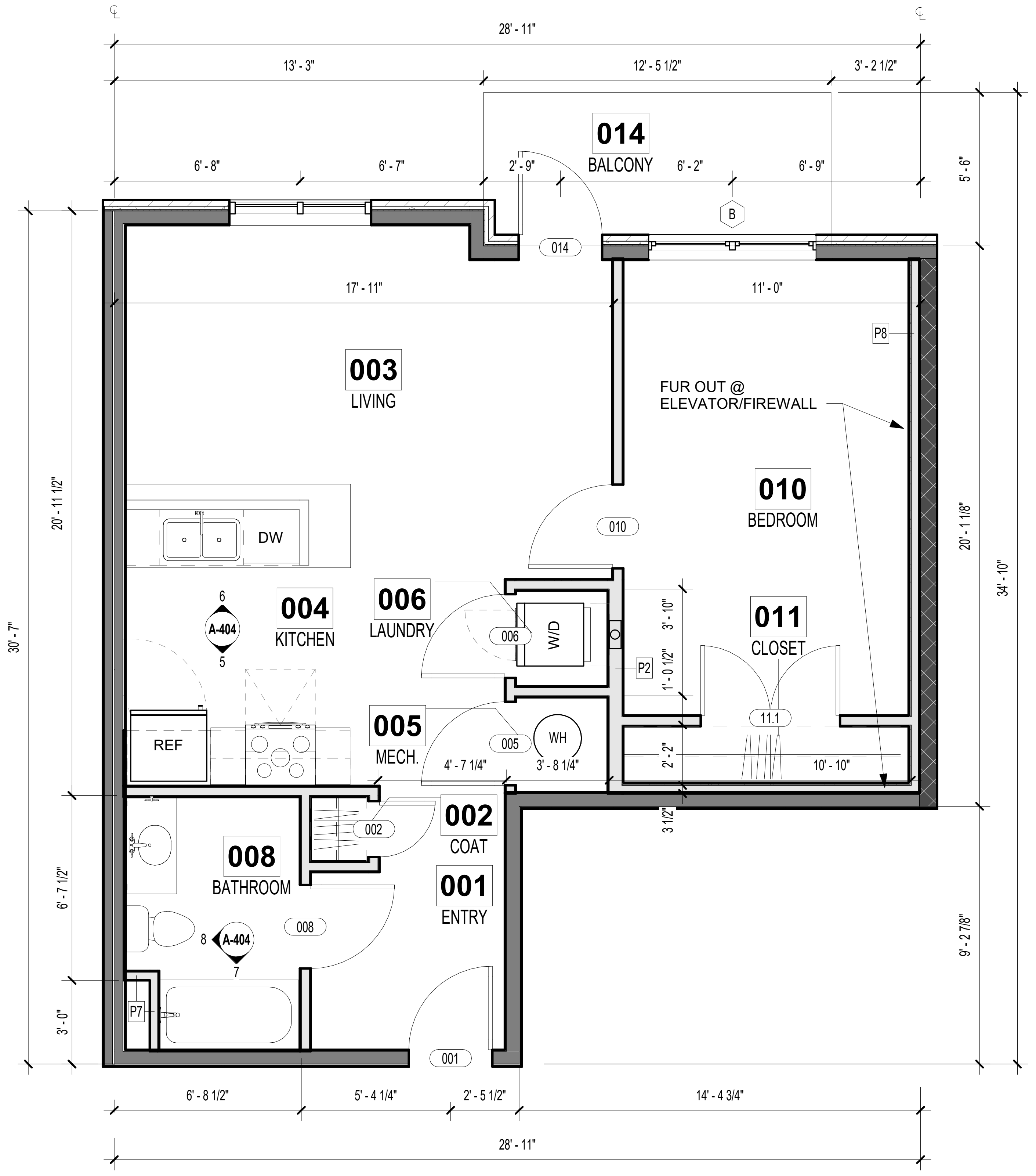
4 UNIT FINISH PLAN - ADRIAN CORNER (1 BR) - TYPE B
1/8" = 1'-0"



3 UNIT RCP - ADRIAN CORNER (1 BR) - TYPE B
1/8" = 1'-0"


30" X 48" PARALLEL APPROACH (SHADED DARK GRAY); CENTERED ON WASHER/DRYER
30" X 48" PARALLEL APPROACH OUTSIDE SWING OF DOOR AND CENTERD (SHADED LIGHT GRAY) CENTERED ON DW
30" X 48" FORWARD APPROACH (SHADED GRAY); CENTERED ON SINK
30" X 48" PARALLEL APPROACH (SHADED GRAY) CENTERED ON COOKTOP; 30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR
60" TURNING RADIUS
30" X 48" PARALLEL APPROACH (SHADED LIGHT GRAY) OFFSET MAX 24" FROM CL AND 30" X 48" FORWARD APROACH CENTERED ON REF
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
48" X 66" CLEAR FLOOR AREA AT WATER CLOSET FORWARD APROACH
30" CLEAR FLOOR AREA AT SHOWER
BLOCKING FOR FUTURE GRAB BARS; RE: G-302
DW
REF
W/D
WH
44" ANSI PATH
36" FHA PATH
1 SHELF AND ROD COMBO; MOUNT 48" ABOVE FINISH FLOOR, TYP.
54" X 60" FORWARD APPROACH PULL SIDE
48" X 48" FORWARD APPROACH PUSH SIDE

2 UNIT CLEAR SPACE PLAN - ADRIAN CORNER (1 BR) - TYPE B
1/4" = 1'-0"



1 UNIT FLOOR PLAN - ADRIAN CORNER (1 BR) - TYPE B
1/4" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

3	12/20/24	ADDENDUM #3

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STATE OF MISSOURI
DAVID EUGENE HENDRIKSE
NUMBER A-7305
REGISTERED ARCHITECT
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
ADRIAN CORNER (1 BR) UNIT PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

A-404

12/20/2024 7:18:39 PM
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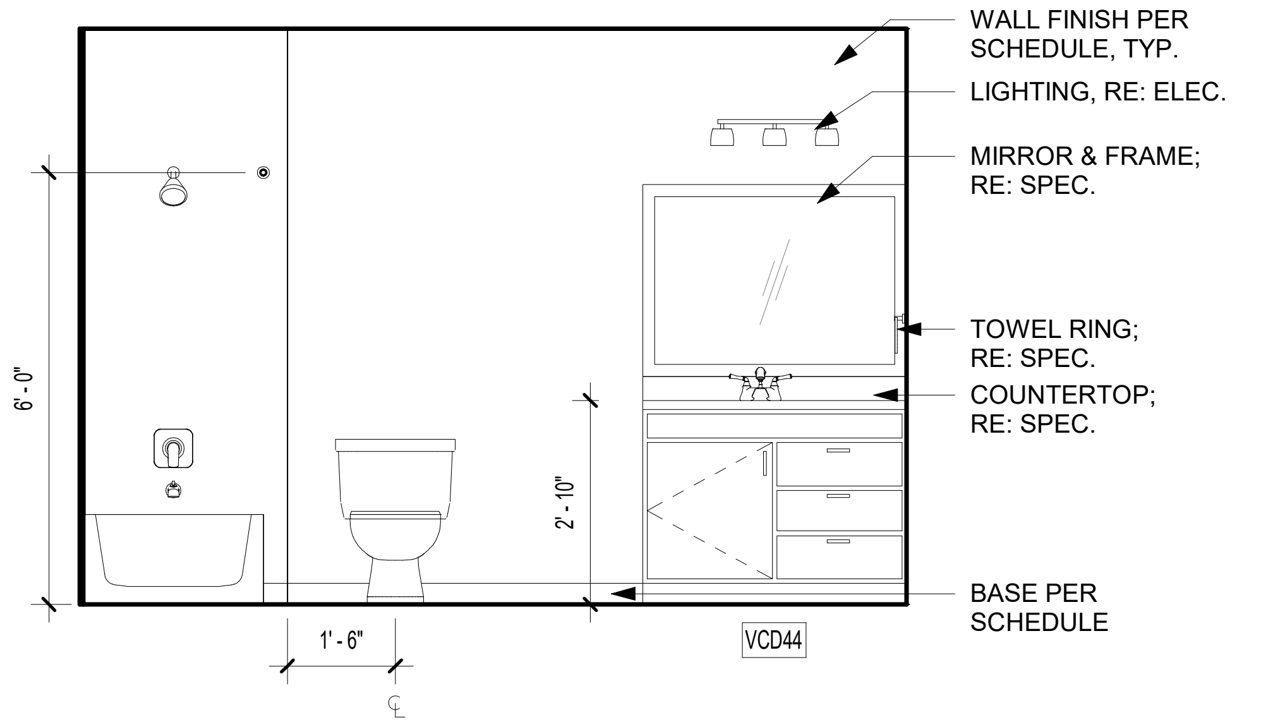
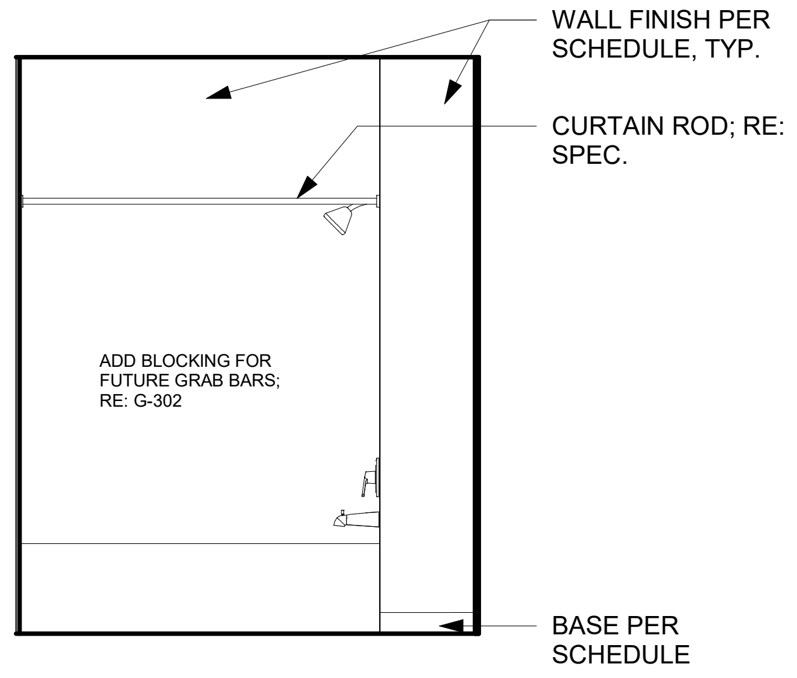
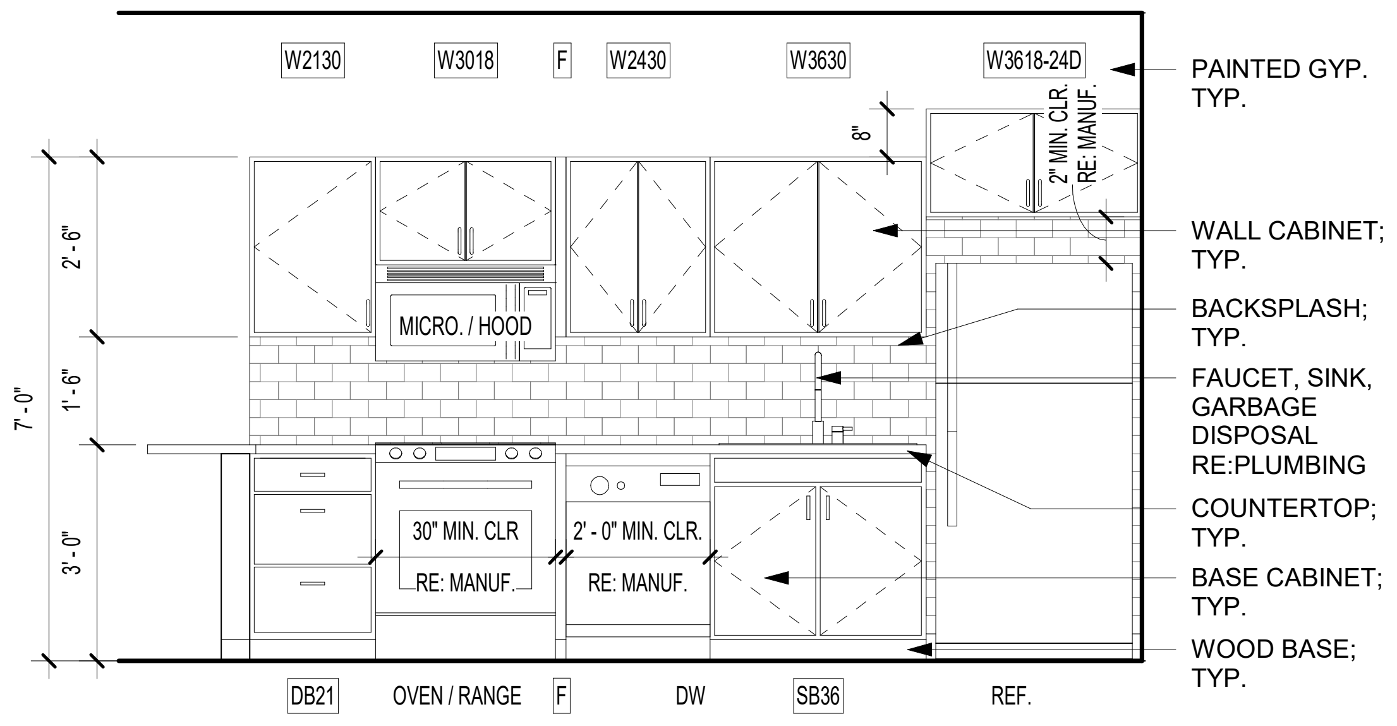
REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND
REFERENCE A-400 FOR UNIT PLAN LEGEND
REFERENCE A-102 & A-103 FOR RC LOCATIONS



7 ARA ALT BATH ELEV. 2
3/8" = 1'-0"

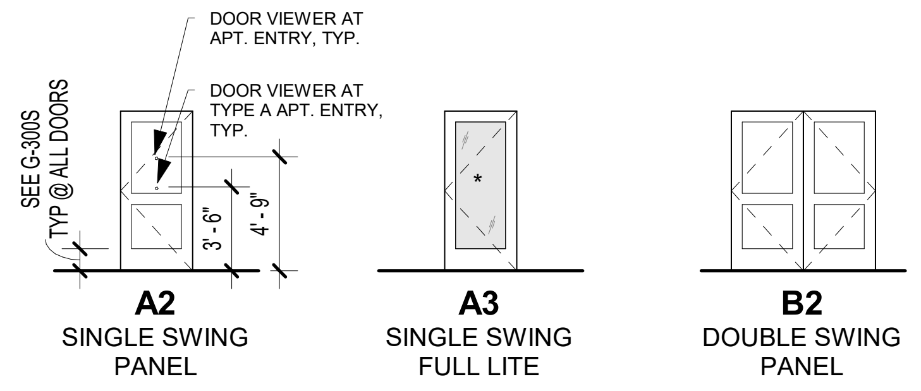

WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
BASE PER SCHEDULE

6 ARA ALT BATH ELEV. 1
3/8" = 1'-0"



5 ARA ALT KITCHEN ELEV. 1
3/8" = 1'-0"

DOOR TYPES - UNITS


DOOR VIEWER AT APT. ENTRY, TYP.
DOOR VIEWER AT TYPE A APT. ENTRY, TYP.
SEE G-300S TYP @ ALL DOORS
3' - 6"
4' - 9"
A2
SINGLE SWING PANEL
A3
SINGLE SWING FULL LITE
B2
DOUBLE SWING PANEL

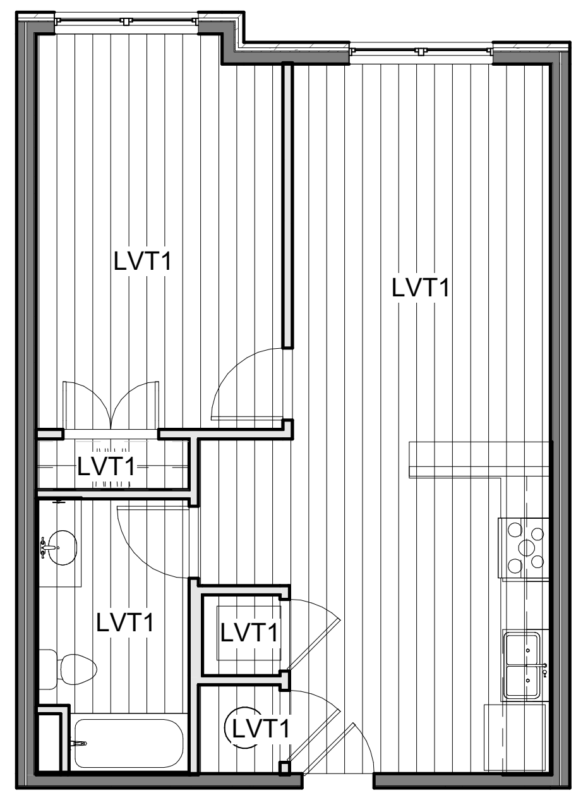
Room Finish Schedule - Units

Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
010	BEDROOM 1	LVT1	WB, PT3	PT1	PT4	
011	CLOSET 1	LVT1		PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				

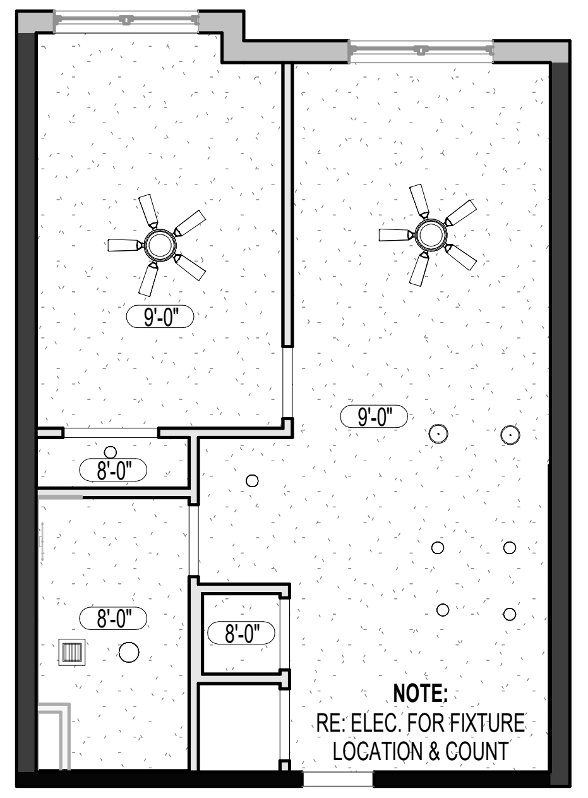
DOOR SCHEDULE - UNIT DOORS

Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3' - 0"	6' - 8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3' - 0"	6' - 8"	1 3/8"		A2	PH	
005	MECH.	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006	LAUNDRY	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006.1	LAUNDRY	6' - 0"	6' - 8"	1 3/8"		B2	PH	UNDERCUT IF REQ'D
008	BATH 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
009	BATH 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
010	BEDROOM 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011.1	CLOSET	6' - 0"	6' - 8"	1 3/8"		B2	PH	
012	BEDROOM 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
013	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
014	BALCONY	3' - 0"	8' - 0"	1 3/4"		A3	TIMELY	

3

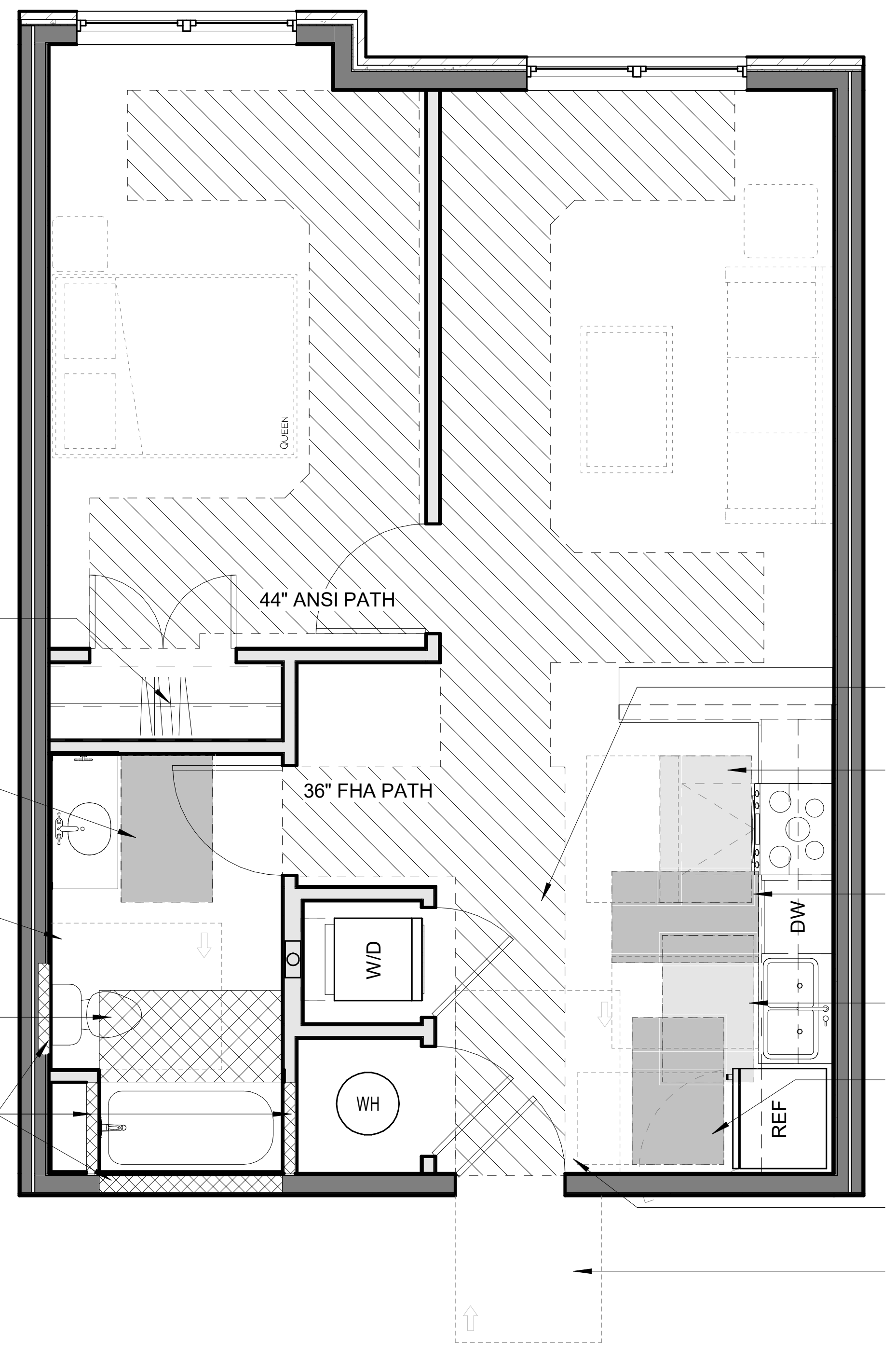


4 UNIT FINISH PLAN - ARA - ALT (1 BR) - TYPE B
1/8" = 1'-0"



NOTE:
RE: ELEC. FOR FIXTURE LOCATION & COUNT

3 UNIT RCP - ARA - ALT (1 BR) - TYPE B
1/8" = 1'-0"



1 SHELF AND ROD COMBO; MOUNT 48" ABOVE FINISH FLOOR, TYP.

30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK

48" X 66" CLEAR FLOOR AREA AT WATER CLOSET FORWARD APROACH

30" CLEAR FLOOR AREA AT SHOWER

BLOCKING FOR FUTURE GRAB BARS; RE: G-302

30" X 48" PARALLEL APPROACH (SHADED DARK GRAY); CENTERED ON WASHER/DRYER

30" X 48" PARALLEL APPROACH (SHADED GRAY) CENTERED ON COOKTOP AND OUTSIDE SWING OF DOOR

30" X 48" PARALLEL APPROACH OUTSIDE SWING OF DOOR AND CENTERD (SHADED LIGHT GRAY) CENTERED ON DW

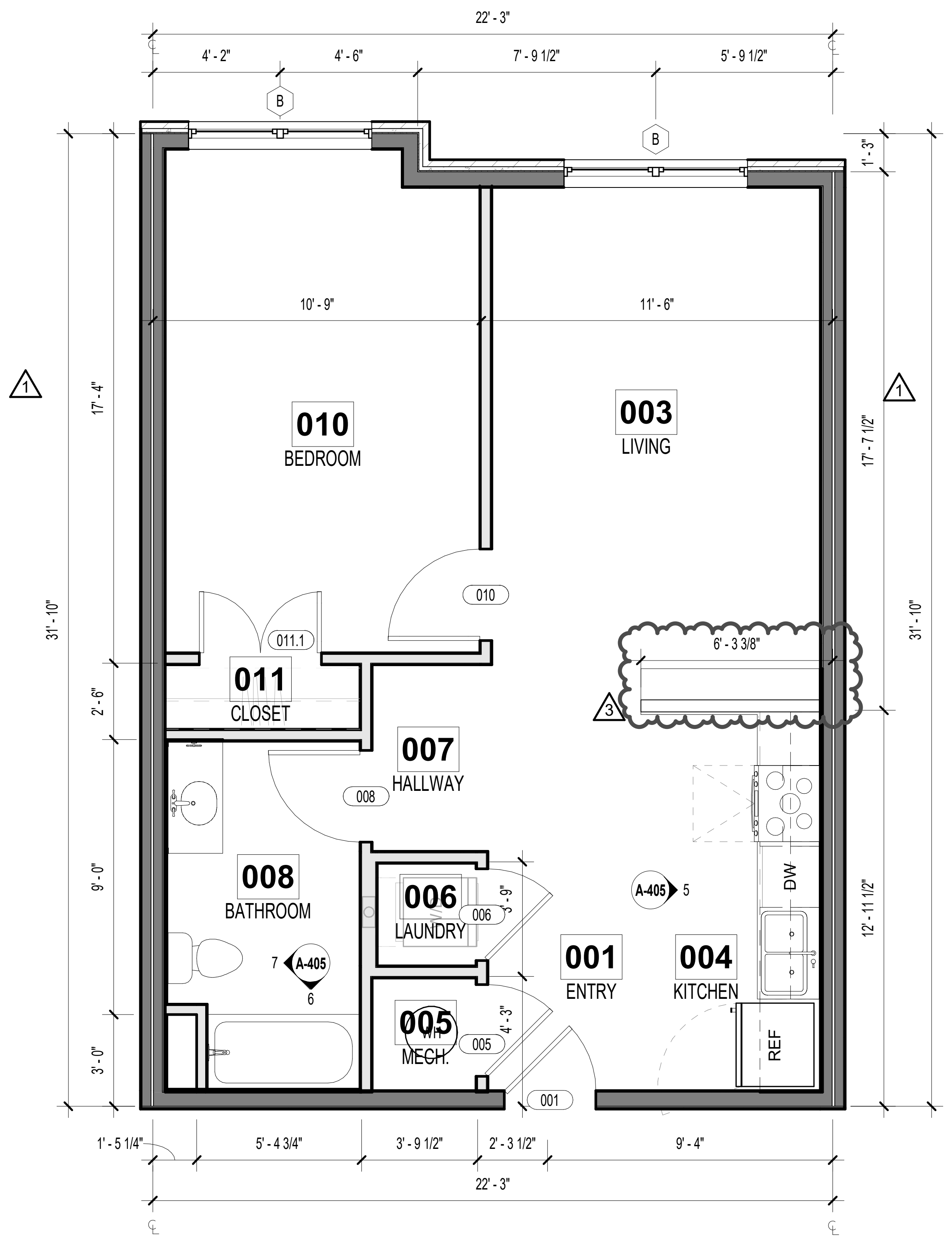
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK

30" X 48" PARALLEL APPROACH (SHADED LIGHT GRAY) OFFSET MAX 24" FROM CL AND 30" X 48" FORWARD APROACH CENTERED ON REF

54" X 60" FORWARD APPROACH PULL SIDE

48" X 48" FORWARD APPROACH PUSH SIDE

2 UNIT CLEAR SPACE PLAN - ARA - ALT (1 BR) - TYPE B
1/4" = 1'-0"



1 UNIT FLOOR PLAN - ARA - ALT (1 BR) - TYPE B
1/4" = 1'-0"

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01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/24	ADDENDUM #1
3	12/20/24	ADDENDUM #3

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p: 816.472.1448

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DAVID EUGENE HENDRIKSE
NUMBER A-7305
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
ARA ALT (1 BR) UNIT PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

A-405

12/20/2024 7:20:37 PM
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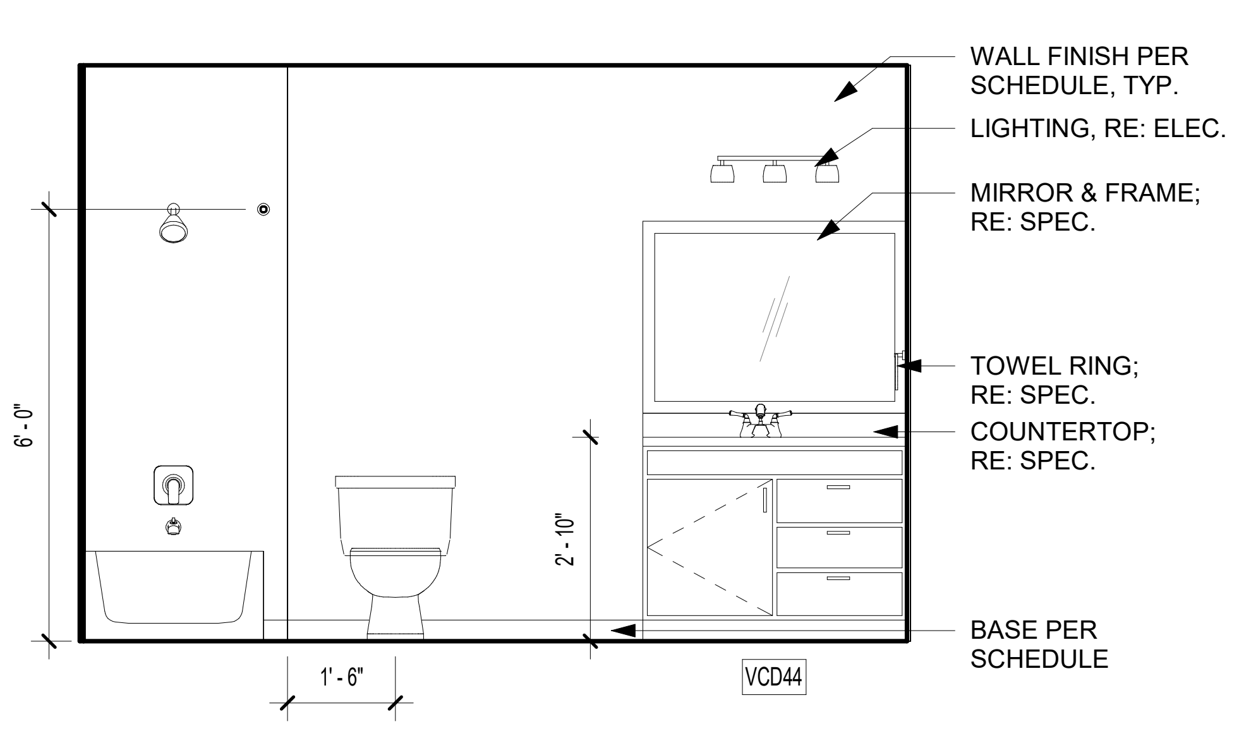
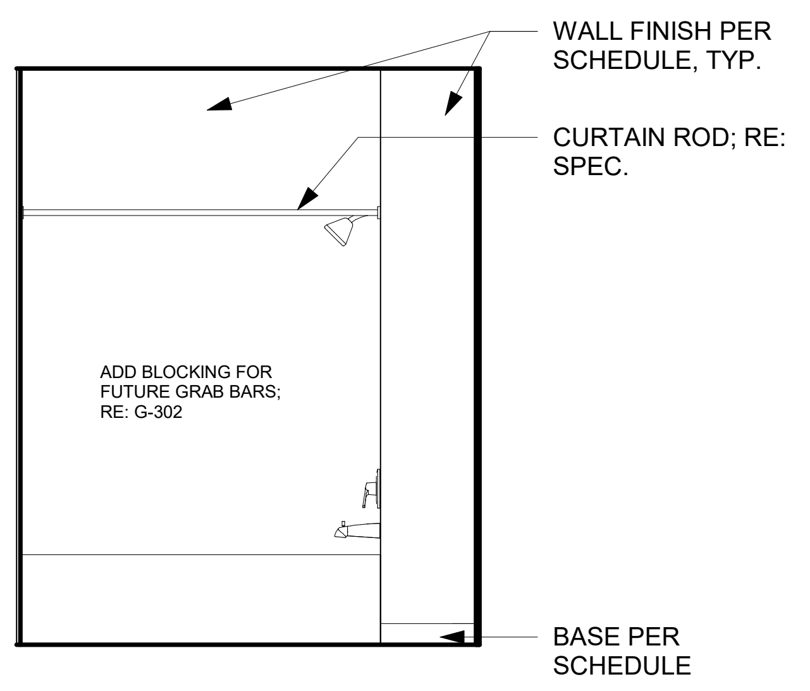
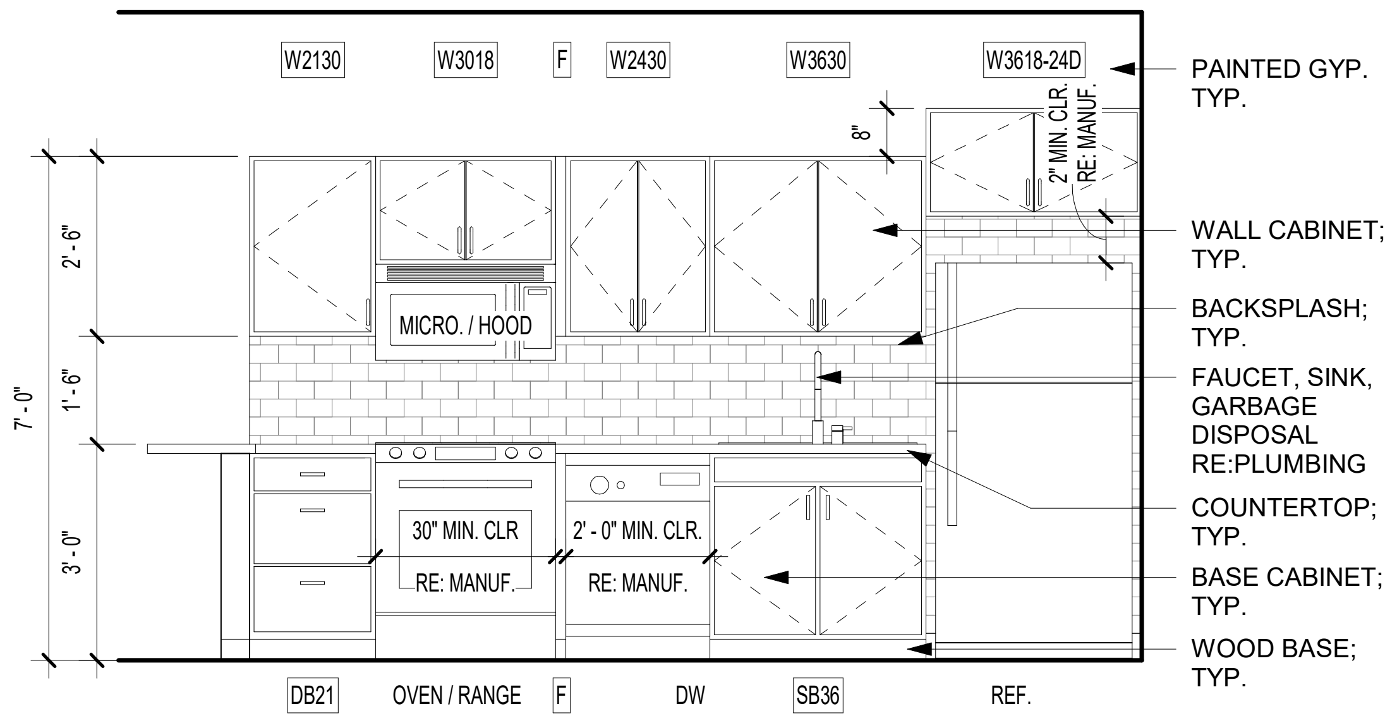
REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND
REFERENCE A-400 FOR UNIT PLAN LEGEND
REFERENCE A-102 & A-103 FOR RC LOCATIONS



7 ARA BATH ELEV. 2
3/8" = 1'-0"

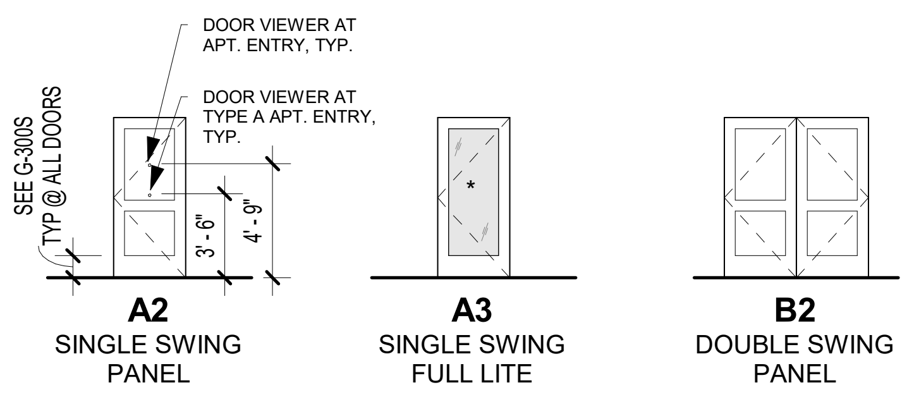

WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
BASE PER SCHEDULE

6 ARA BATH ELEV. 1
3/8" = 1'-0"



5 KITCHEN - TYPE 1 - STOVE_SINK
3/8" = 1'-0"

DOOR TYPES - UNITS

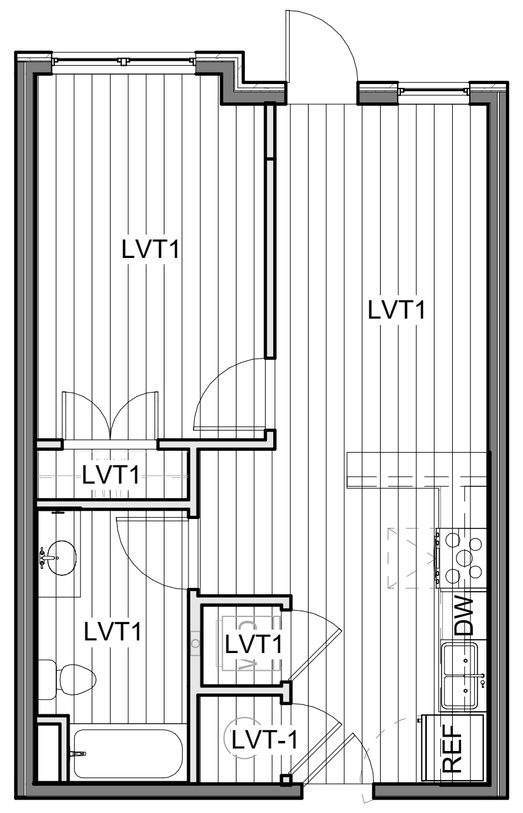

DOOR VIEWER AT APT. ENTRY, TYP.
DOOR VIEWER AT TYPE A APT. ENTRY, TYP.
SEE G-300S TYP @ ALL DOORS
3' - 6"
4' - 9"
*

A2 SINGLE SWING PANEL
A3 SINGLE SWING FULL LITE
B2 DOUBLE SWING PANEL

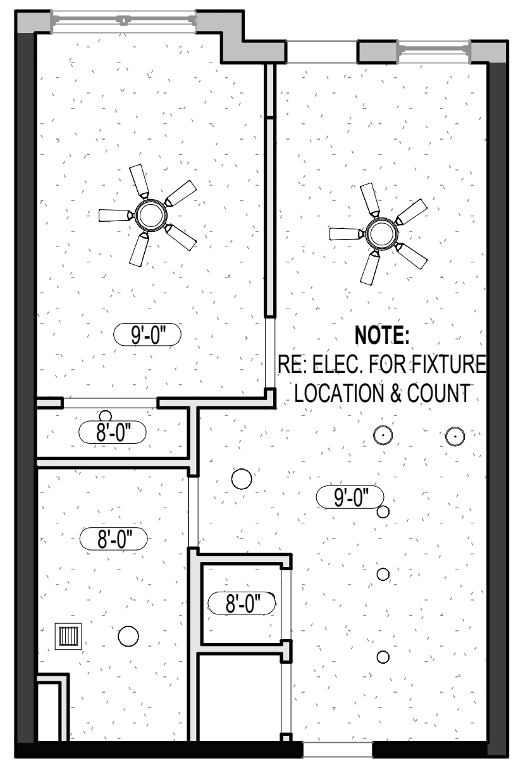
Room Finish Schedule - Units						
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
010	BEDROOM 1	LVT1	WB, PT3	PT1	PT4	
011	CLOSET 1	LVT1		PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				

DOOR SCHEDULE - UNIT DOORS								
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3' - 0"	6' - 8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3' - 0"	6' - 8"	1 3/8"		A2	PH	
005	MECH.	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006	LAUNDRY	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006.1	LAUNDRY	6' - 0"	6' - 8"	1 3/8"		B2	PH	UNDERCUT IF REQ'D
008	BATH 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
009	BATH 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
010	BEDROOM 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011.1	CLOSET	6' - 0"	6' - 8"	1 3/8"		B2	PH	
012	BEDROOM 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
013	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
014	BALCONY	3' - 0"	8' - 0"	1 3/4"		A3	TIMELY	

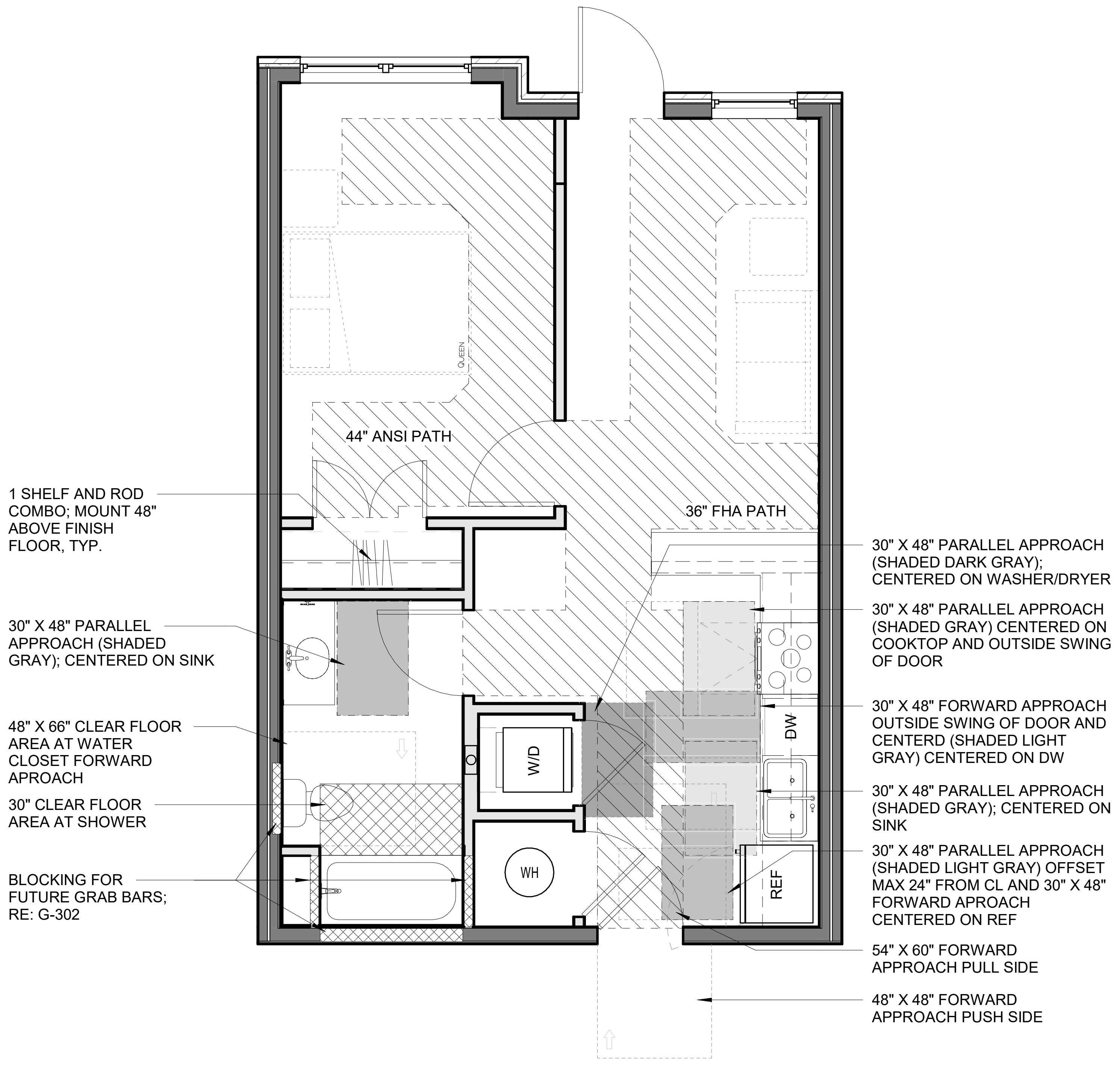
3



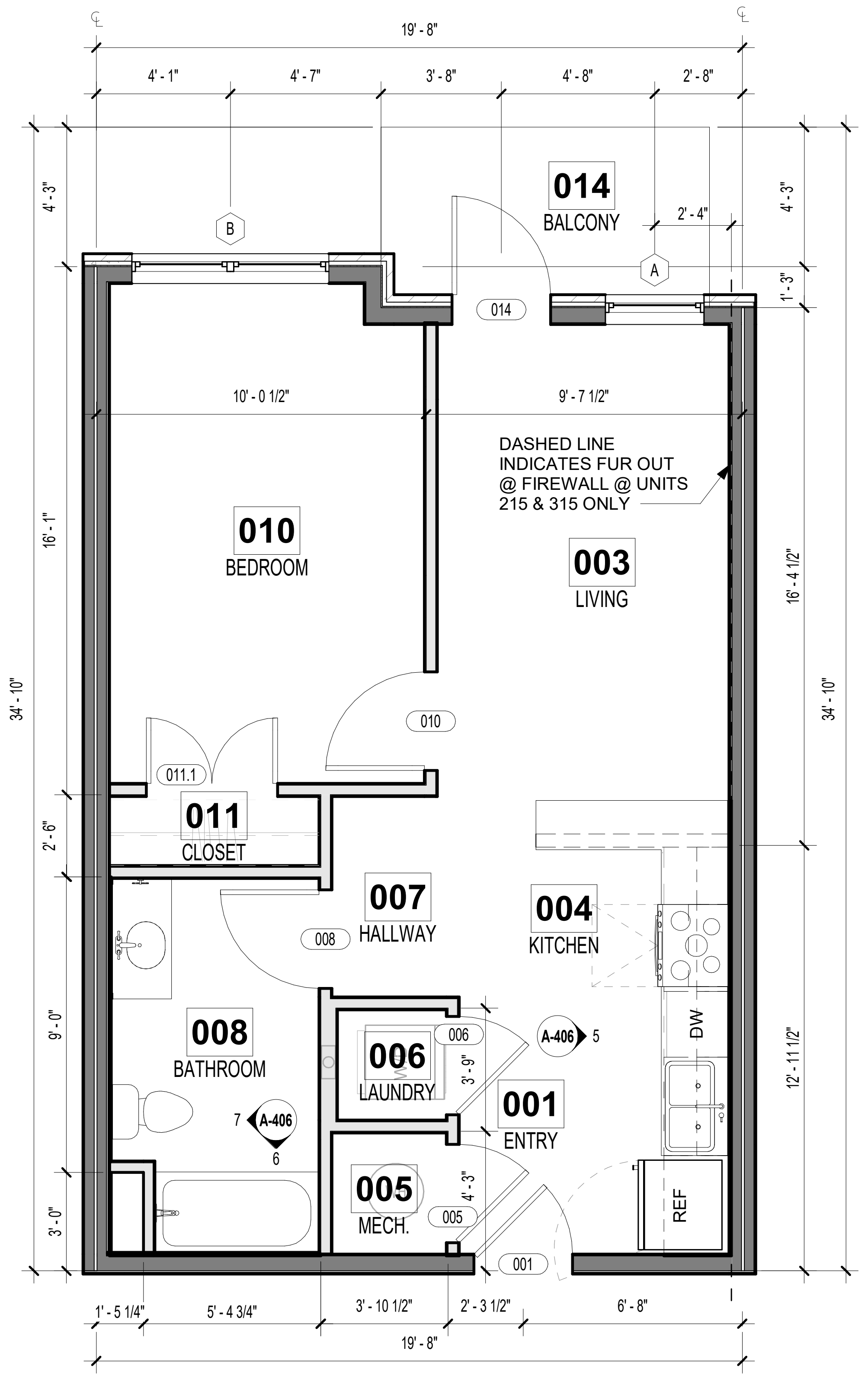
4 UNIT FINISH PLAN - ARA (1 BR) - TYPE B
1/8" = 1'-0"



3 UNIT RCP - ARA (1 BR) - TYPE B
1/8" = 1'-0"


QUEEN
44" ANSI PATH
36" FHA PATH
1 SHELF AND ROD COMBO; MOUNT 48" ABOVE FINISH FLOOR, TYP.
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
48" X 66" CLEAR FLOOR AREA AT WATER CLOSET FORWARD APROACH
30" CLEAR FLOOR AREA AT SHOWER
BLOCKING FOR FUTURE GRAB BARS; RE: G-302
W/D
WH
DW
REF
30" X 48" PARALLEL APPROACH (SHADED DARK GRAY); CENTERED ON WASHER/DRYER
30" X 48" PARALLEL APPROACH (SHADED GRAY) CENTERED ON COOKTOP AND OUTSIDE SWING OF DOOR
30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR AND CENTERD (SHADED LIGHT GRAY) CENTERED ON DW
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
30" X 48" PARALLEL APPROACH (SHADED LIGHT GRAY) OFFSET MAX 24" FROM CL AND 30" X 48" FORWARD APROACH CENTERED ON REF
54" X 60" FORWARD APPROACH PULL SIDE
48" X 48" FORWARD APPROACH PUSH SIDE

2 UNIT CLEAR SPACE PLAN - ARA (1 BR) - TYPE B
1/4" = 1'-0"



1 UNIT FLOOR PLAN - ARA (1 BR) - TYPE B
1/4" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:
3 12/20/24 ADDENDUM #3

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Kansas City, MO 64108-1404
p: 816.472.1448

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DAVID EUGENE HENDRIKSE
NUMBER A-7305
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4
LEE'S SUMMIT, MO

SHEET TITLE
ARA (1 BR) UNIT PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

A-406

12/20/2024 7:22:43 PM
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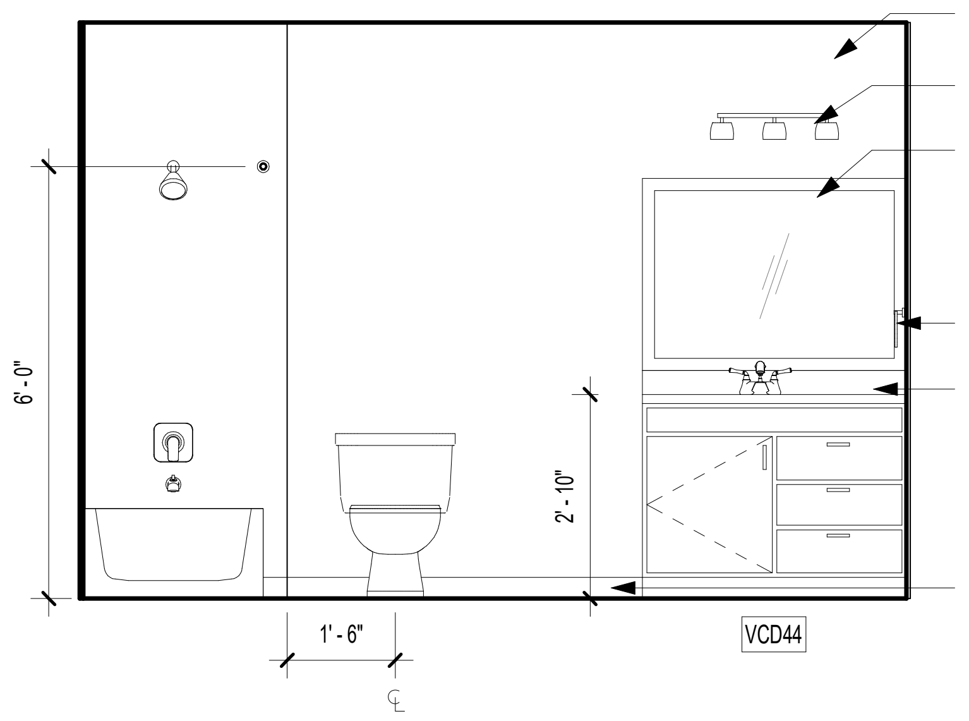
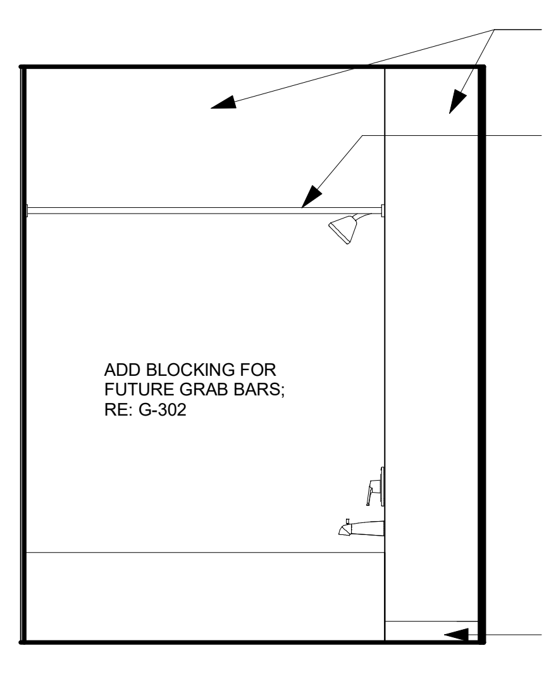


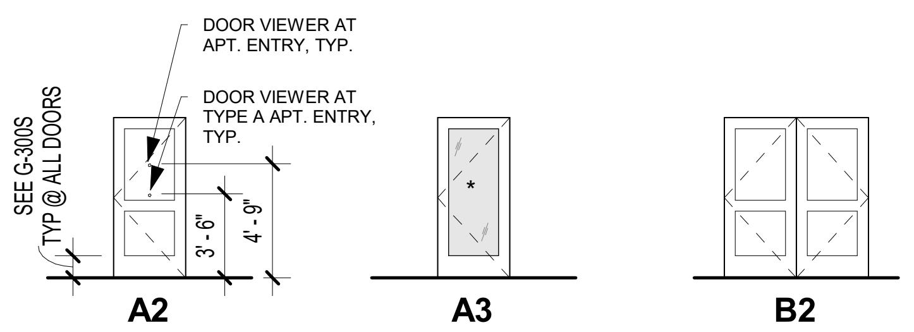
7 ARA CORNER BATH ELEV. 2
3/8" = 1'-0"


WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
BASE PER SCHEDULE

6 ARA CORNER BATH ELEV. 1
3/8" = 1'-0"

REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND
REFERENCE A-400 FOR UNIT PLAN LEGEND
REFERENCE A-102 & A-103 FOR RC LOCATIONS

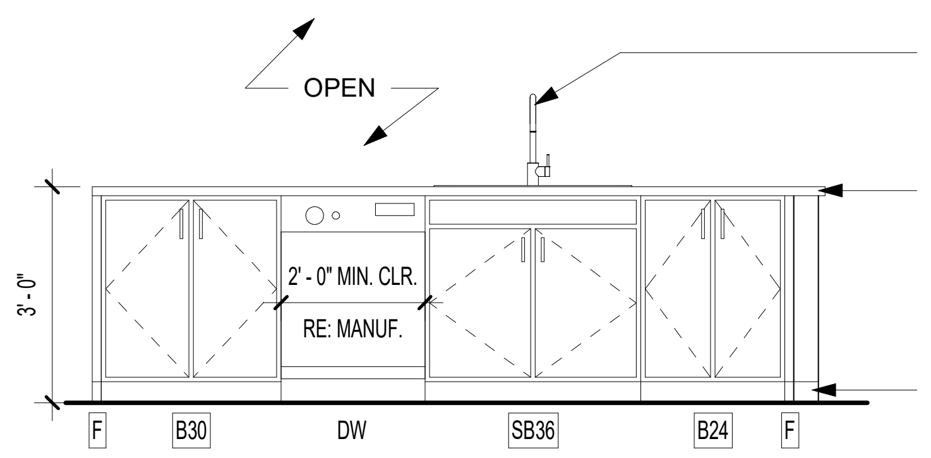
DOOR TYPES - UNITS


DOOR VIEWER AT APT. ENTRY, TYP.
DOOR VIEWER AT TYPE A APT. ENTRY, TYP.
SEE G-300S TYP @ ALL DOORS
3' - 6"
4' - 9"

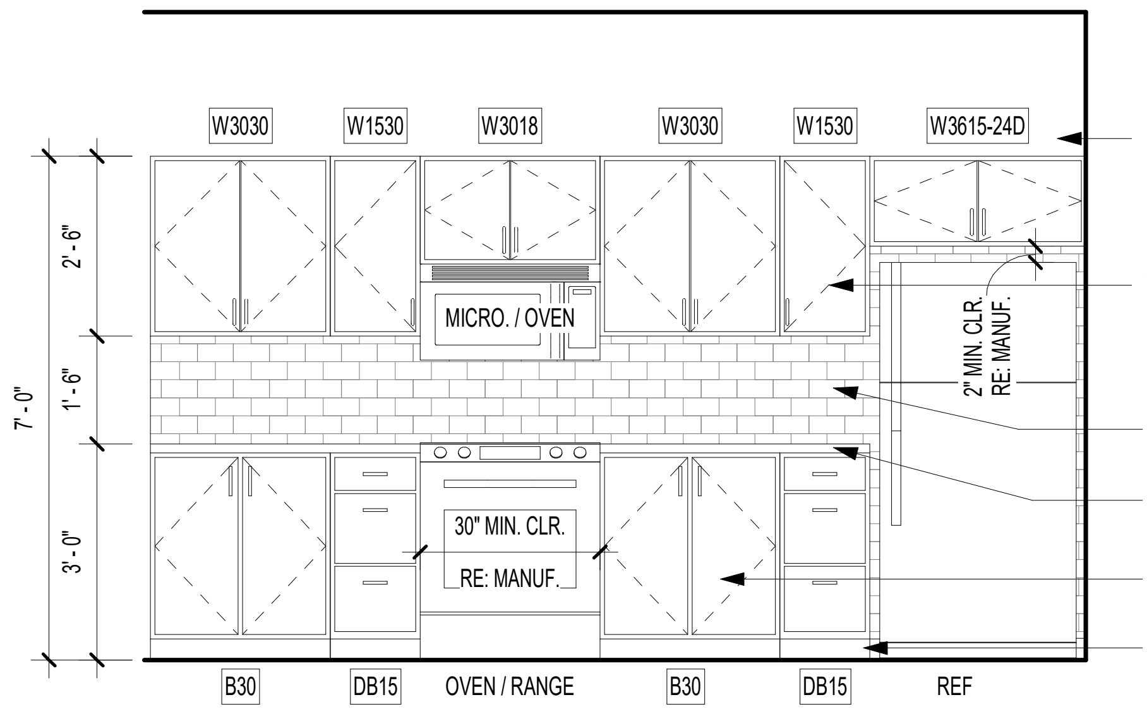
A2 SINGLE SWING PANEL
A3 SINGLE SWING FULL LITE
B2 DOUBLE SWING PANEL

Room Finish Schedule - Units

Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
010	BEDROOM 1	LVT1	WB, PT3	PT1	PT4	
011	CLOSET 1	LVT1		PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				



5 ARA CORNER KITCHEN ELEV. 2
3/8" = 1'-0" (MIRRORED)

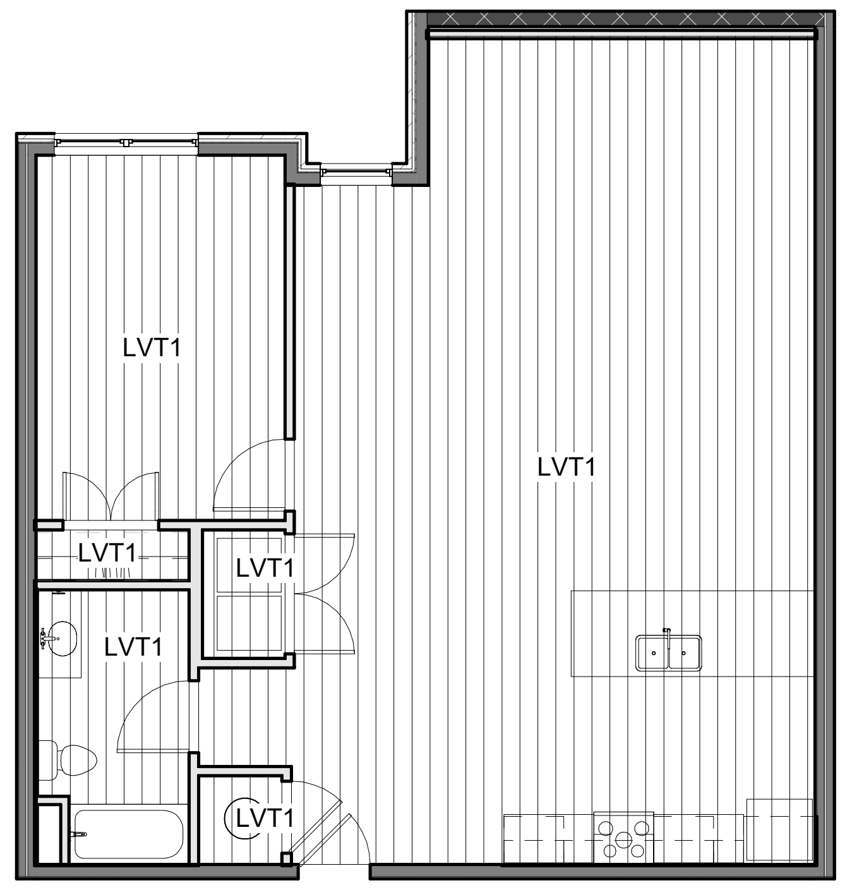


4 ARA CORNER KITCHEN ELEV. 1
3/8" = 1'-0" (MIRRORED)

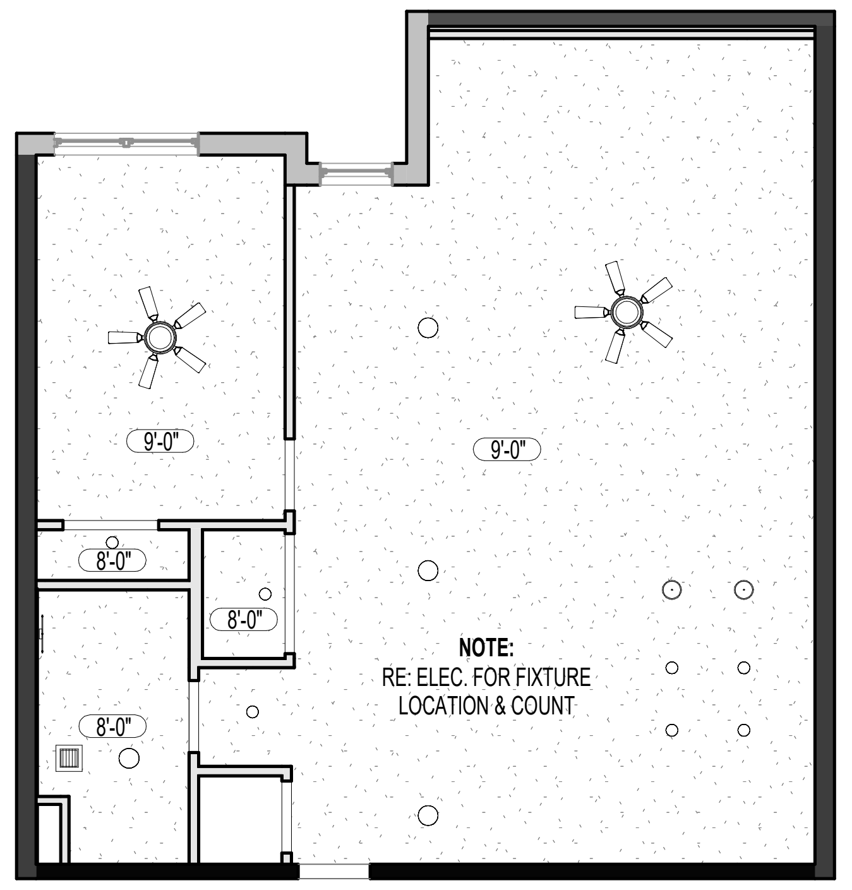
DOOR SCHEDULE - UNIT DOORS

Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3' - 0"	6' - 8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3' - 0"	6' - 8"	1 3/8"		A2	PH	
005	MECH.	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006	LAUNDRY	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006.1	LAUNDRY	6' - 0"	6' - 8"	1 3/8"		B2	PH	UNDERCUT IF REQ'D
008	BATH 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
009	BATH 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
010	BEDROOM 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011.1	CLOSET	6' - 0"	6' - 8"	1 3/8"		B2	PH	
012	BEDROOM 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
013	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
014	BALCONY	3' - 0"	8' - 0"	1 3/4"		A3	TIMELY	

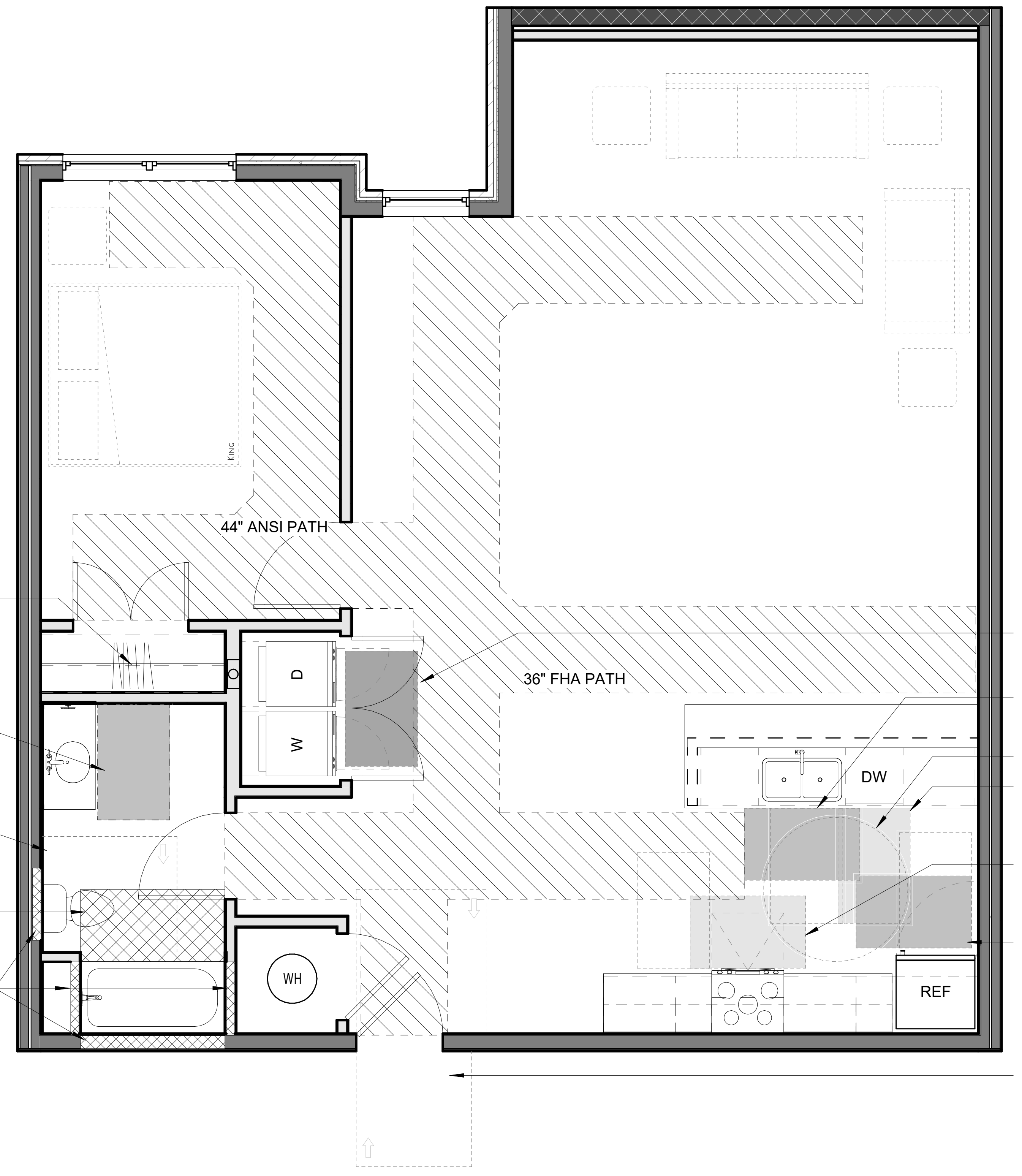
3



9 UNIT FINISH PLAN - ARA CORNER (1 BR) - TYPE B
1/8" = 1'-0"



3 UNIT RCP - ARA CORNER (1 BR) - TYPE B
1/8" = 1'-0"



1 SHELF AND ROD COMBO; MOUNT 48" ABOVE FINISH FLOOR, TYP.

30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK

48" X 66" CLEAR FLOOR AREA AT WATER CLOSET FORWARD APROACH

30" CLEAR FLOOR AREA AT SHOWER

BLOCKING FOR FUTURE GRAB BARS; RE: G-302

30" X 48" PARALLEL APPROACH (SHADED DARK GRAY); CENTERED ON WASHER/DRYER

30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK

60" TURNING RADIUS

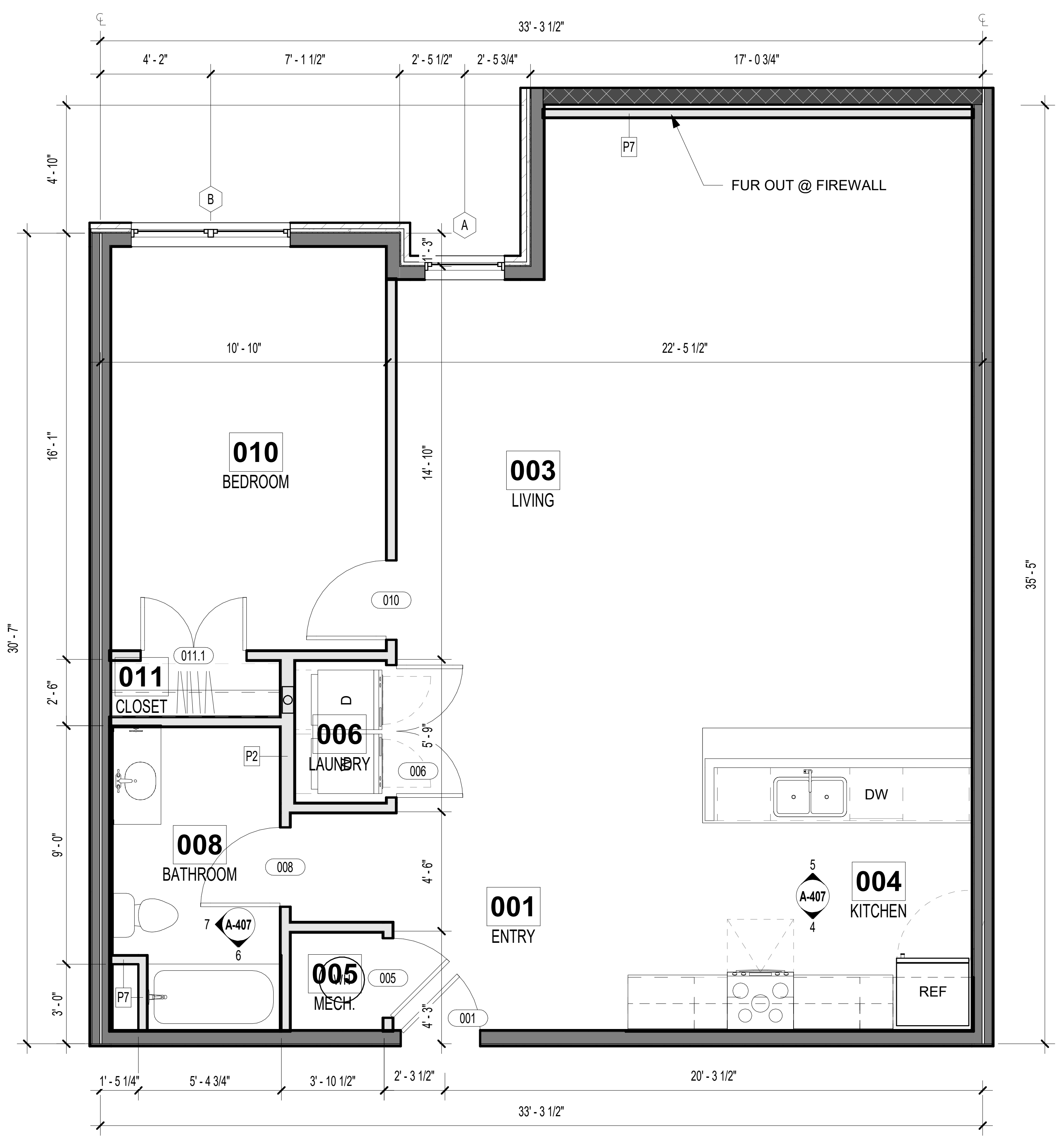
30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR AND CENTERD (SHADED LIGHT GRAY) CENTERED ON DW

30" X 48" PARALLEL APPROACH (SHADED GRAY) CENTERED ON COOKTOP AND OUTSIDE SWING OF DOOR

30" X 48" PARALLEL APPROACH (SHADED LIGHT GRAY) OFFSET MAX 24" FROM CL AND 30" X 48" FORWARD APROACH CENTERED ON REF

48" X 48" FORWARD APPROACH PUSH SIDE

2 UNIT CLEAR SPACE PLAN - ARA CORNER (1 BR) - TYPE B
1/4" = 1'-0"



1 UNIT FLOOR PLAN - ARA CORNER (1 BR) - TYPE B
1/4" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:
3 12/20/24 ADDENDUM #3

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DAVID EUGENE HENDRIKSE
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
ARA CORNER (1 BR) UNIT PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

A-407

12/20/2024 7:25:14 PM
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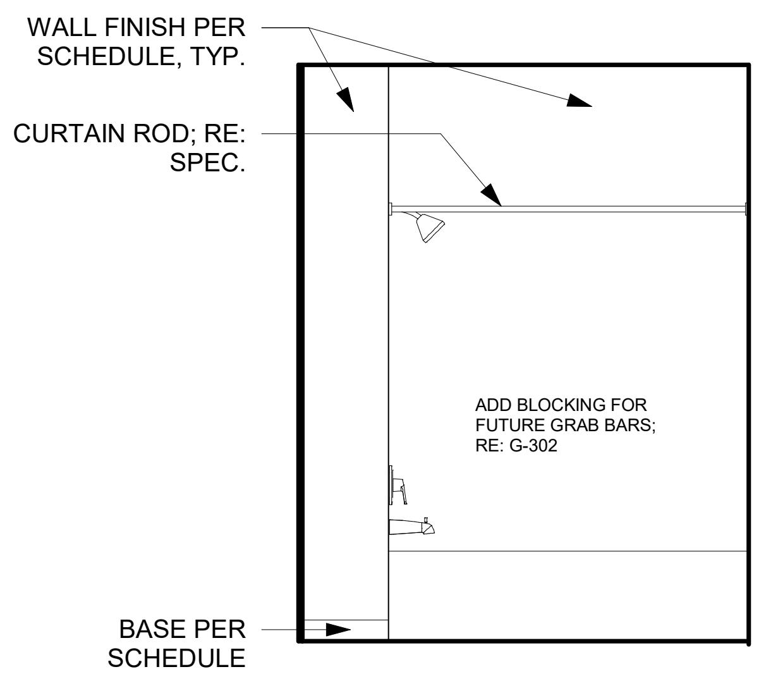
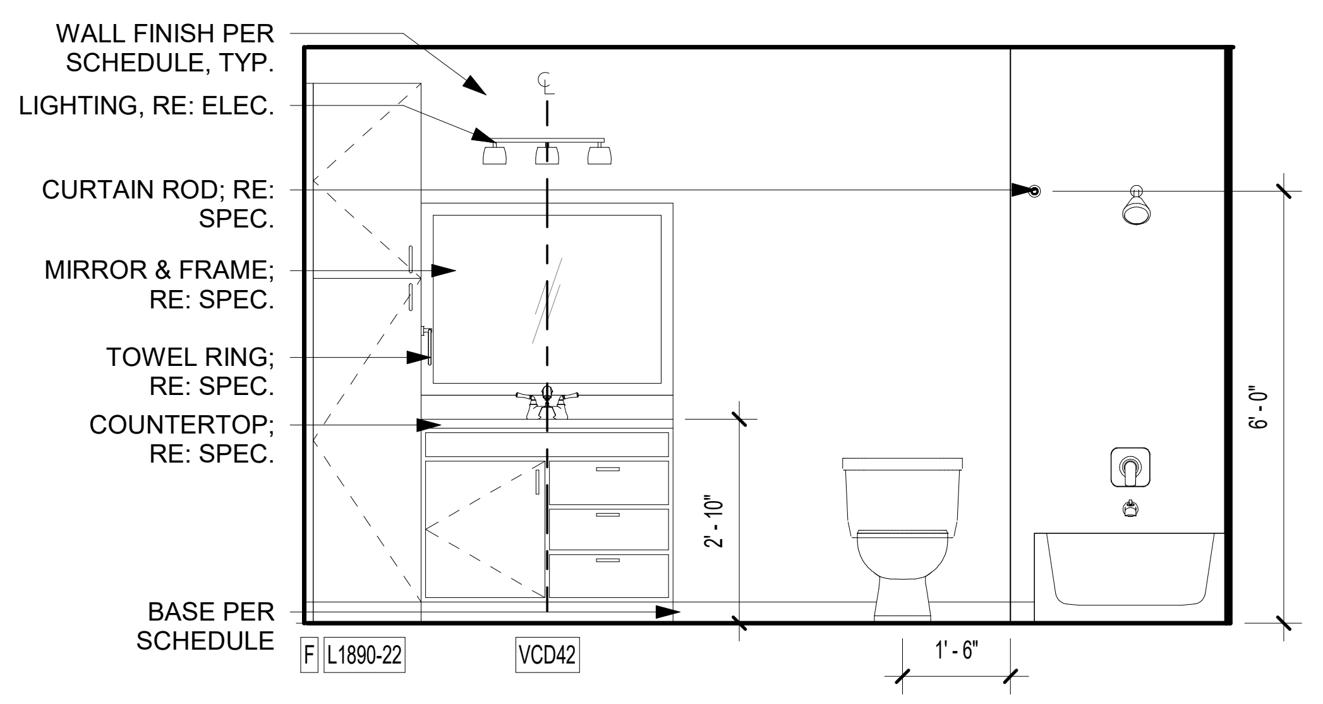
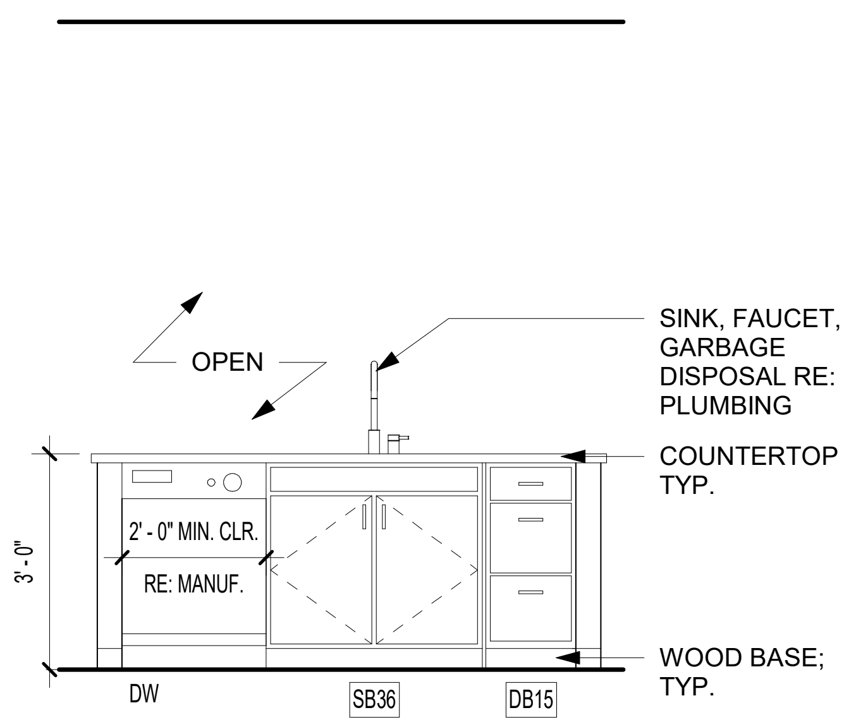

WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
BASE PER SCHEDULE

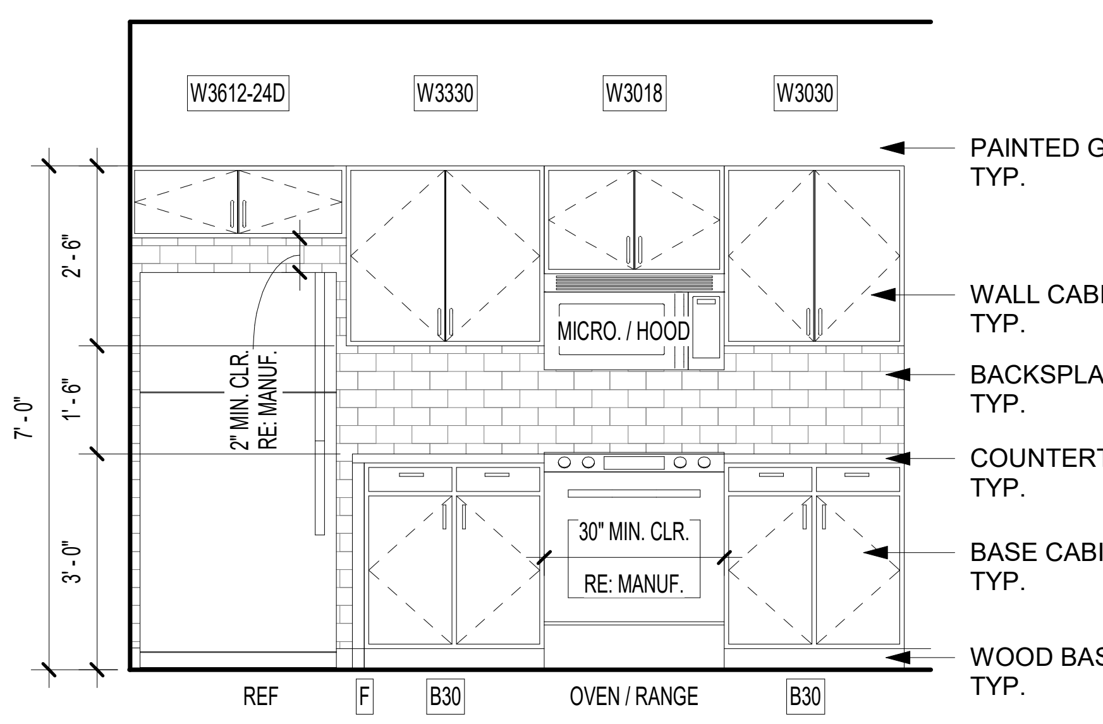
8 DELTA BATH ELEV. 2
3/8" = 1'-0"



7 DELTA BATH ELEV. 1
3/8" = 1'-0"



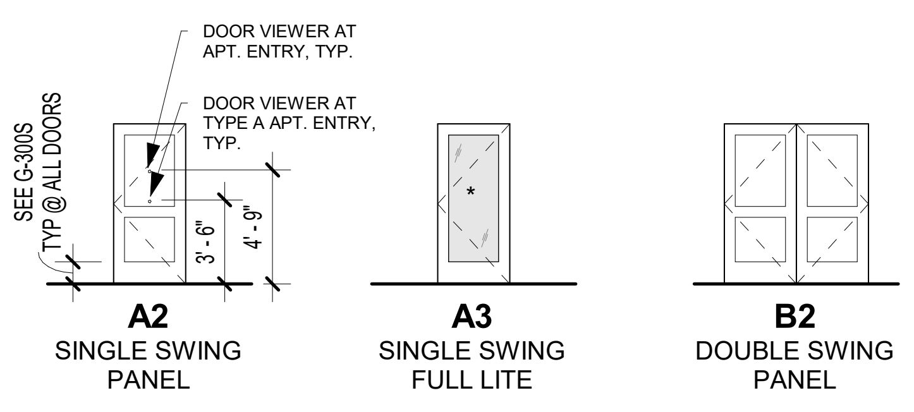
6 DELTA KITCHEN ELEV. 2
3/8" = 1'-0" (MIRRORED)



5 DELTA KITCHEN ELEV. 1
3/8" = 1'-0" (MIRRORED)

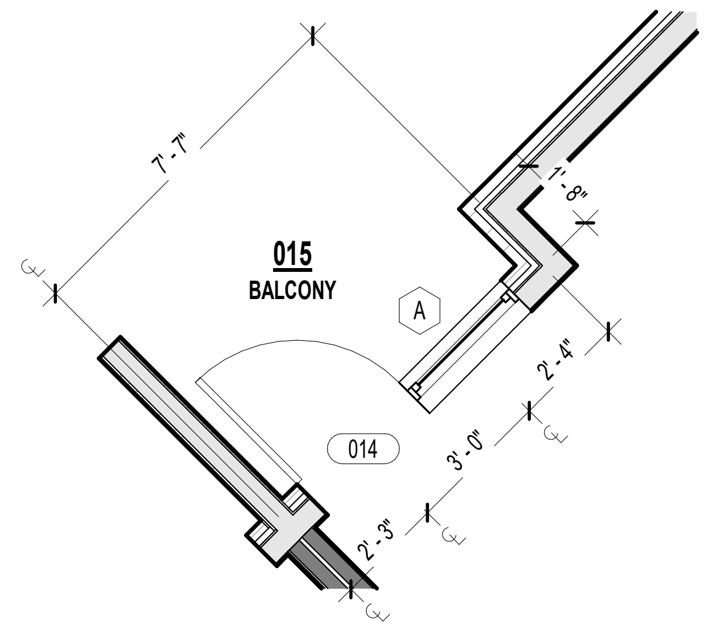
REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND
REFERENCE A-400 FOR UNIT PLAN LEGEND
REFERENCE A-102 & A-103 FOR RC LOCATIONS

DOOR TYPES - UNITS


DOOR VIEWER AT APT. ENTRY, TYP.
DOOR VIEWER AT TYPE A APT. ENTRY, TYP.
SEE G-300S TYP @ ALL DOORS
3' - 6"
4' - 9"
A2
SINGLE SWING PANEL
A3
SINGLE SWING FULL LITE
B2
DOUBLE SWING PANEL

Room Finish Schedule - Units

Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
010	BEDROOM 1	LVT1	WB, PT3	PT1	PT4	
011	CLOSET 1	LVT1		PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				

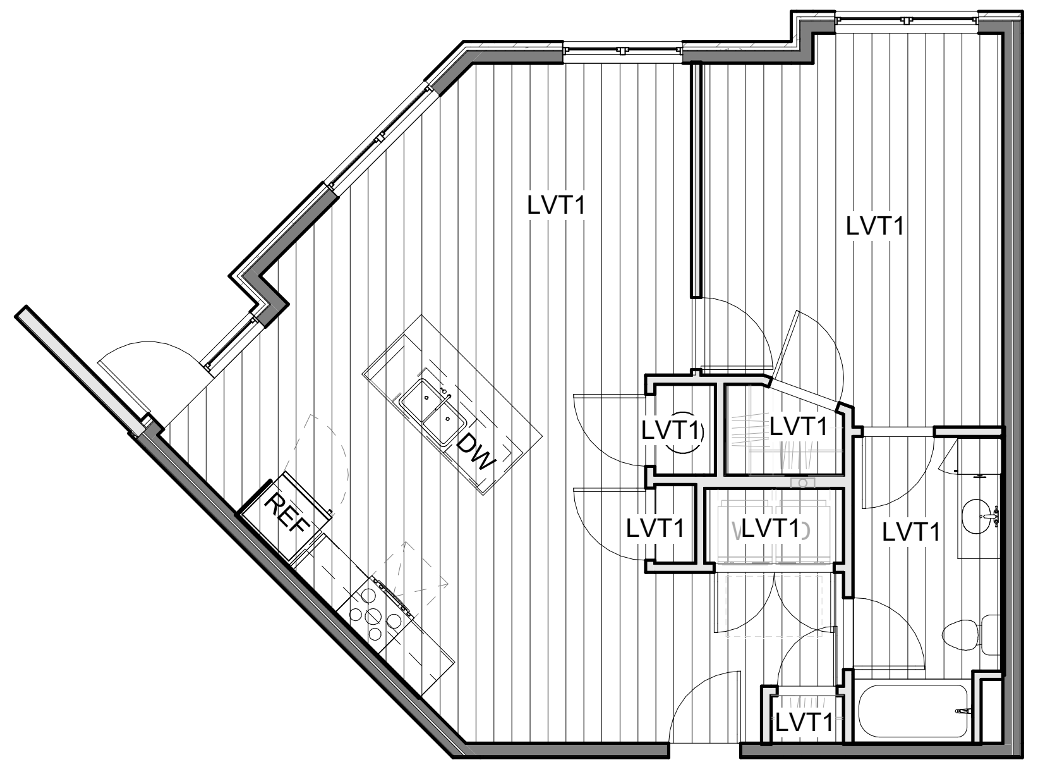


9 DELTA ALT BALCONY PLAN
1/4" = 1'-0" (3RD FLOOR ONLY)

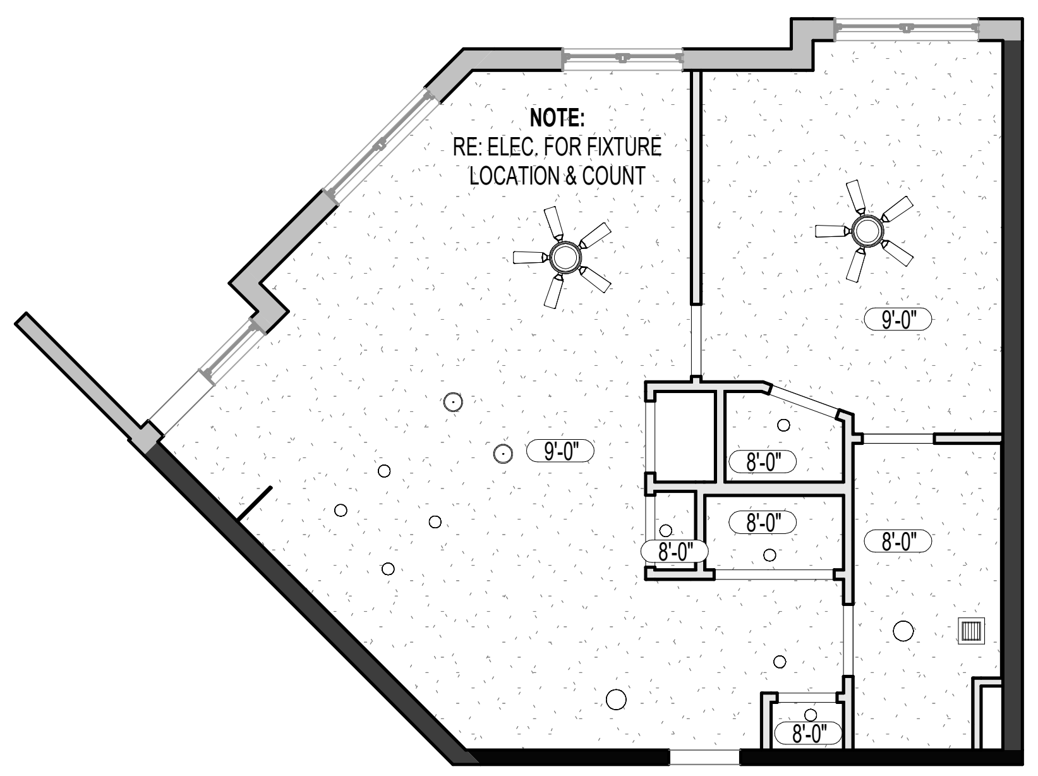
DOOR SCHEDULE - UNIT DOORS

Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3' - 0"	6' - 8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3' - 0"	6' - 8"	1 3/8"		A2	PH	
005	MECH.	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006	LAUNDRY	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006.1	LAUNDRY	6' - 0"	6' - 8"	1 3/8"		B2	PH	UNDERCUT IF REQ'D
008	BATH 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
009	BATH 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
010	BEDROOM 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011.1	CLOSET	6' - 0"	6' - 8"	1 3/8"		B2	PH	
012	BEDROOM 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
013	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
014	BALCONY	3' - 0"	8' - 0"	1 3/4"		A3	TIMELY	

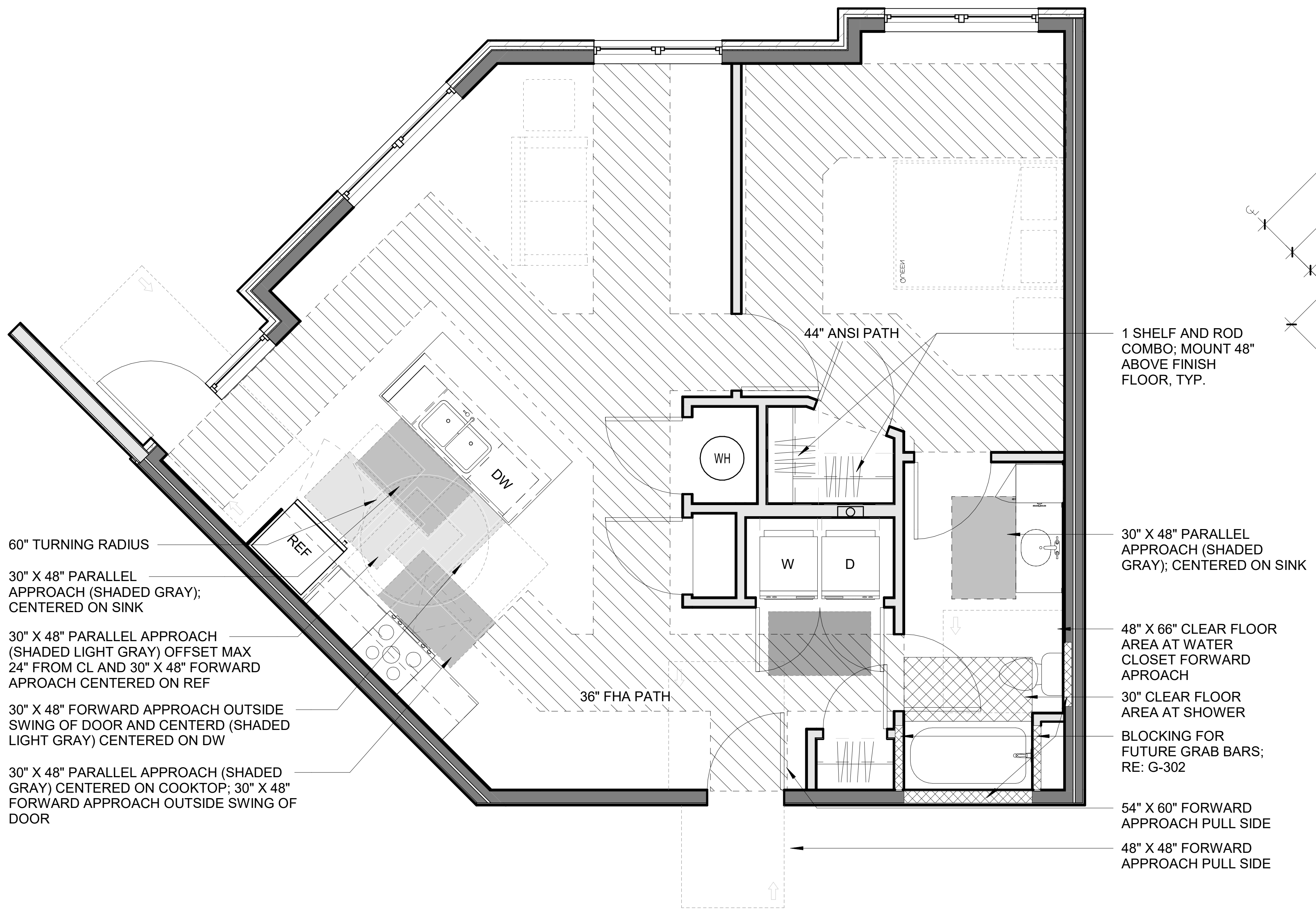
3



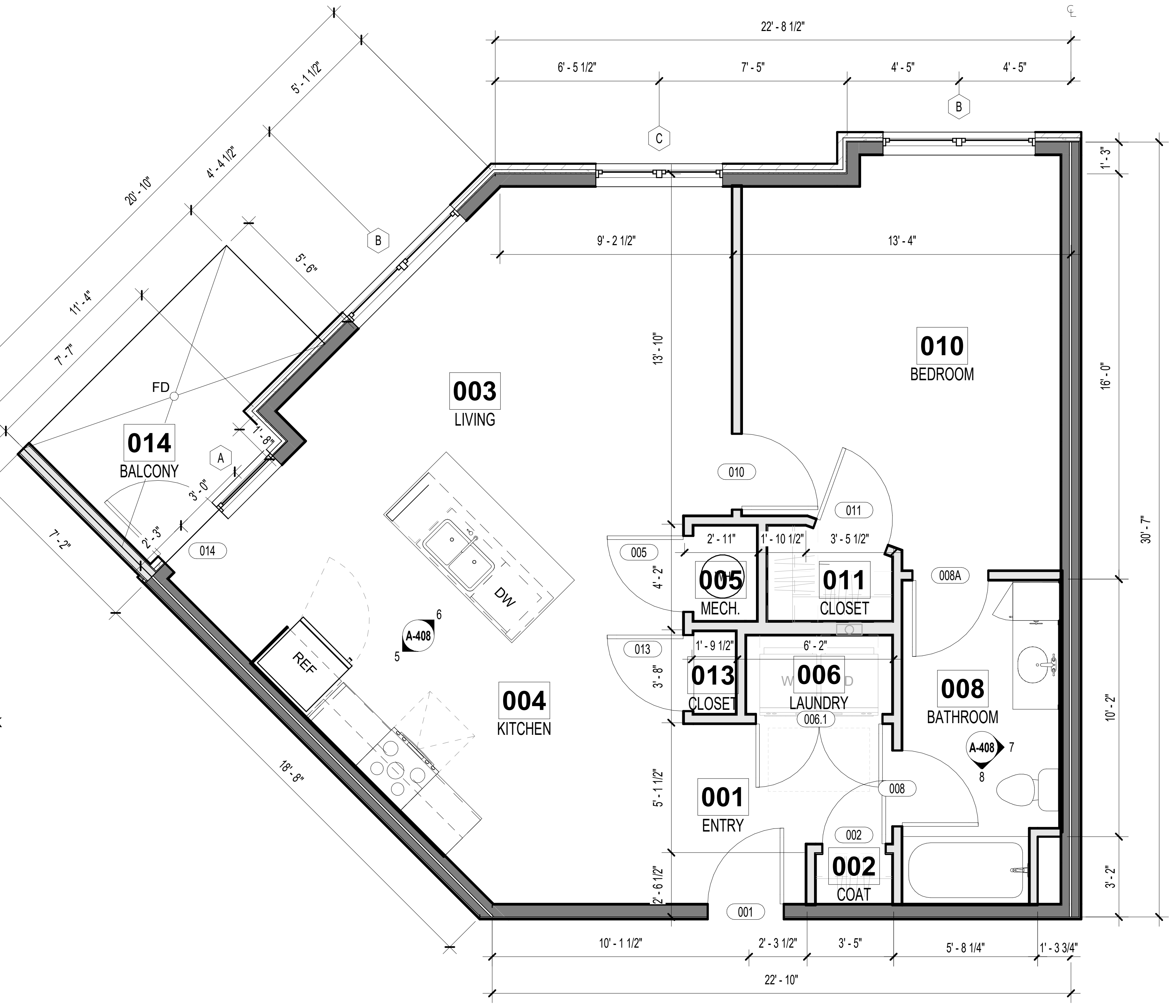
4 UNIT FINISH PLAN - DELTA (1 BR) - TYPE B
1/8" = 1'-0"



3 UNIT RCP - DELTA (1 BR) - TYPE B
1/8" = 1'-0"


44" ANSI PATH
1 SHELF AND ROD COMBO; MOUNT 48" ABOVE FINISH FLOOR, TYP.
WH
W
D
REF
DW
60" TURNING RADIUS
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
30" X 48" PARALLEL APPROACH (SHADED LIGHT GRAY) OFFSET MAX 24" FROM CL AND 30" X 48" FORWARD APROACH CENTERED ON REF
30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR AND CENTERD (SHADED LIGHT GRAY) CENTERED ON DW
30" X 48" PARALLEL APPROACH (SHADED GRAY) CENTERED ON COOKTOP; 30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR
36" FHA PATH
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
48" X 66" CLEAR FLOOR AREA AT WATER CLOSET FORWARD APROACH
30" CLEAR FLOOR AREA AT SHOWER
BLOCKING FOR FUTURE GRAB BARS; RE: G-302
54" X 60" FORWARD APPROACH PULL SIDE
48" X 48" FORWARD APPROACH PULL SIDE

2 UNIT CLEAR SPACE PLAN - DELTA (1 BR) - TYPE B
1/4" = 1'-0"



1 UNIT FLOOR PLAN - DELTA (1 BR) - TYPE B
1/4" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:
3 12/20/24 ADDENDUM #3

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1526 Grand Boulevard
Kansas City, MO 64108-1404
p: 816.472.1448

w: www.rosemann.com

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DAVID EUGENE HENDRIKSE
NUMBER A-7305
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4
LEE'S SUMMIT, MO

SHEET TITLE
DELTA (1 BR) UNIT PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:
A-408

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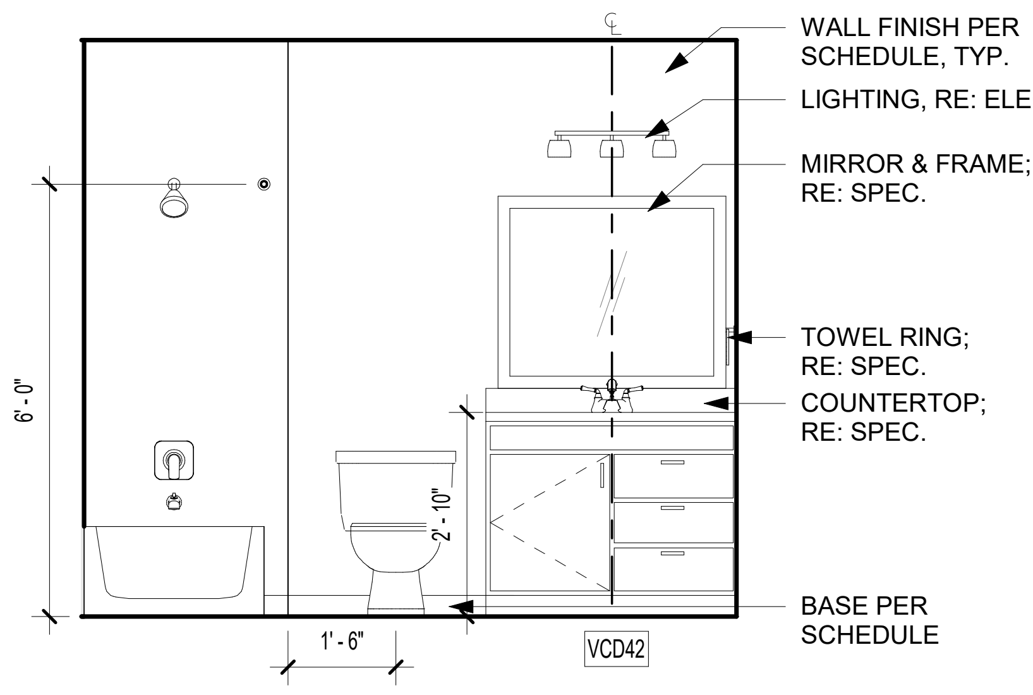
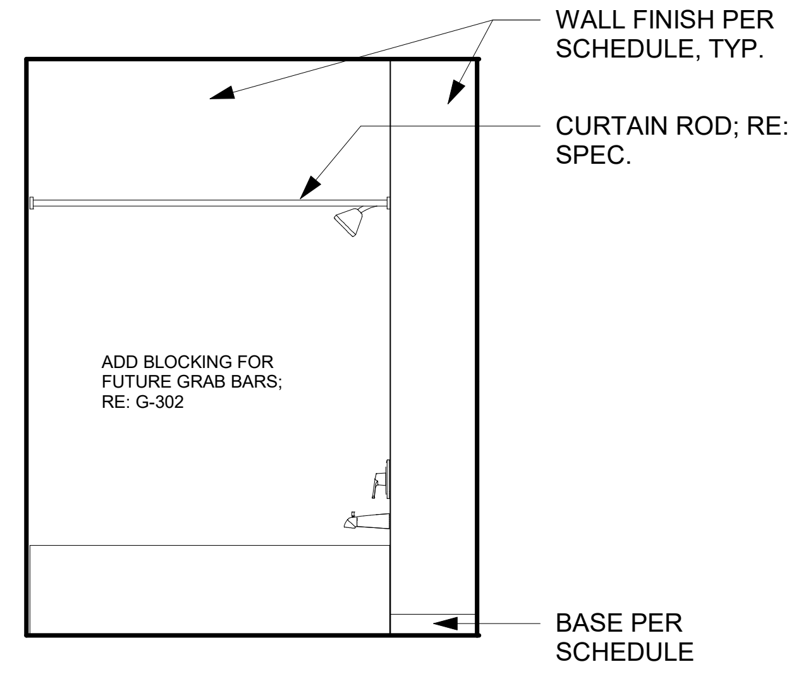
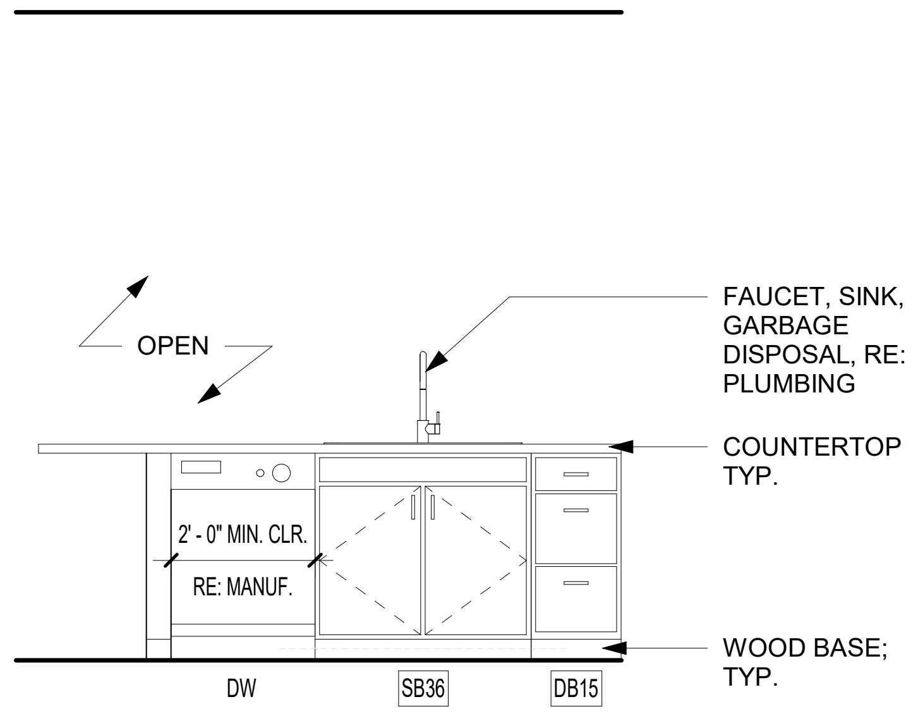


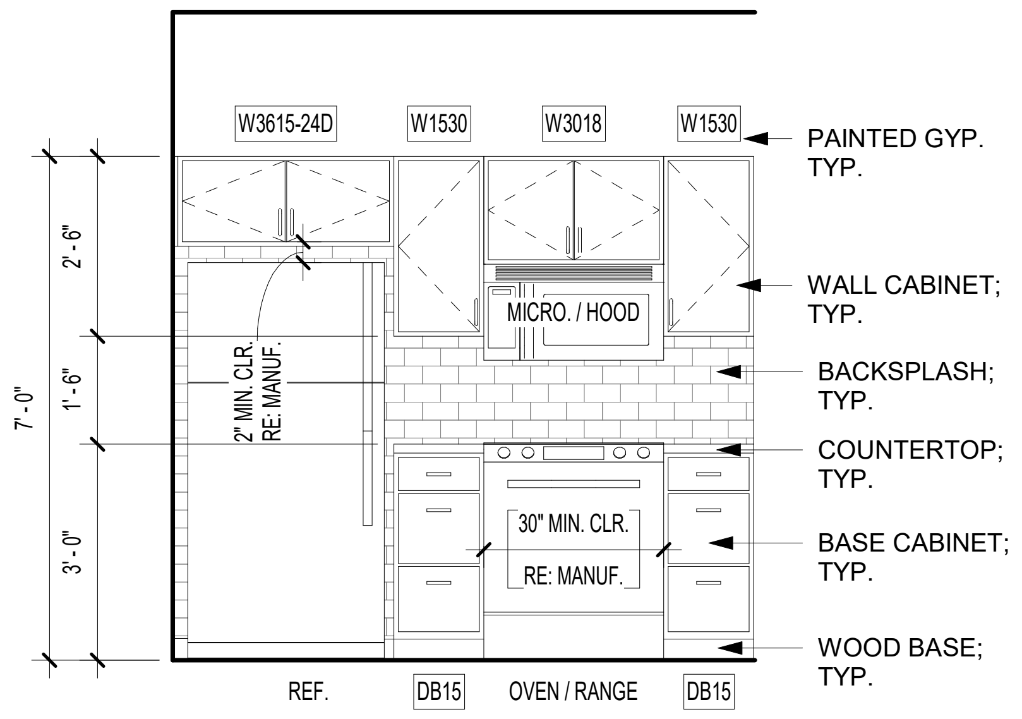
8 HURLEY BATH ELEV. 2
3/8" = 1'-0" (MIRRORED IN BATHROOM 2)


WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
BASE PER SCHEDULE

7 HURLEY BATH ELEV. 1
3/8" = 1'-0" (MIRRORED IN BATHROOM 2)



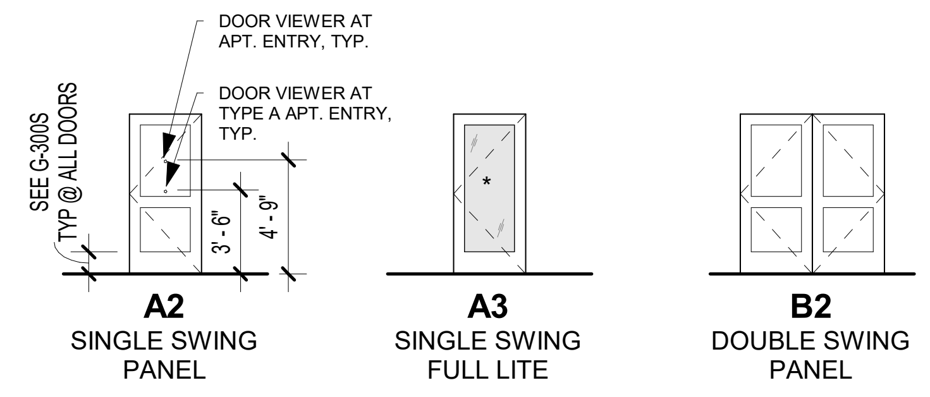
6 HURLEY KITCHEN ELEV. 2
3/8" = 1'-0"



5 HURLEY KITCHEN ELEV. 1
3/8" = 1'-0"

REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND
REFERENCE A-400 FOR UNIT PLAN LEGEND
REFERENCE A-102 & A-103 FOR RC LOCATIONS

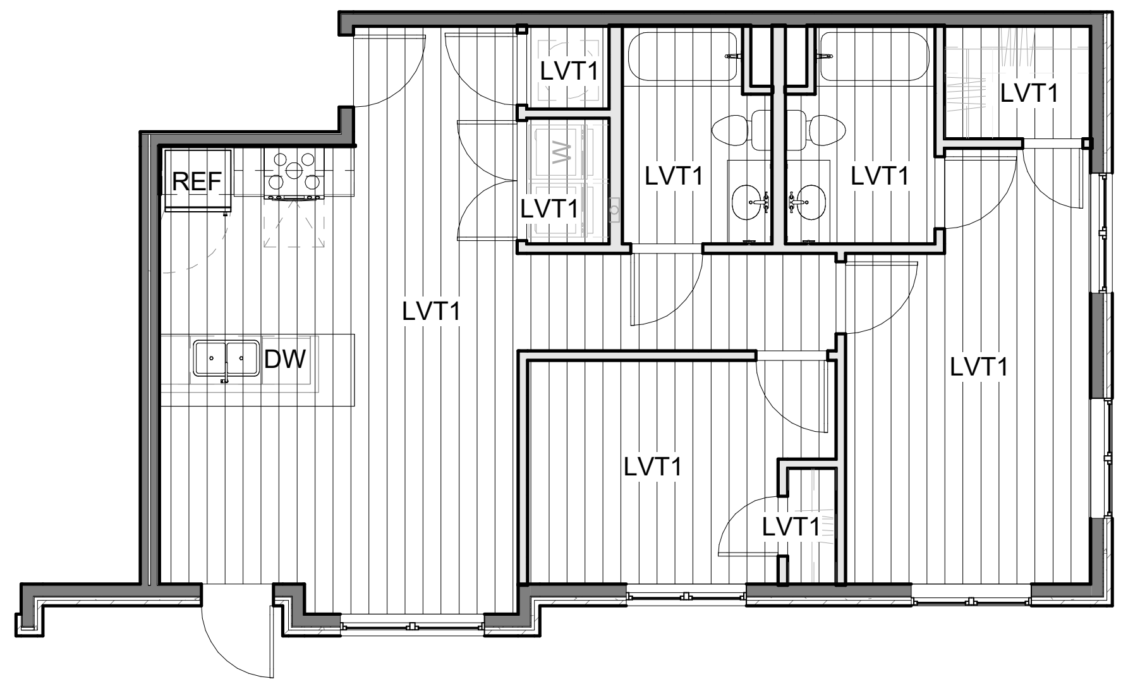
DOOR TYPES - UNITS


DOOR VIEWER AT APT. ENTRY, TYP.
DOOR VIEWER AT TYPE A APT. ENTRY, TYP.
SEE G-300S TYP @ ALL DOORS
3' - 6"
4' - 9"
*

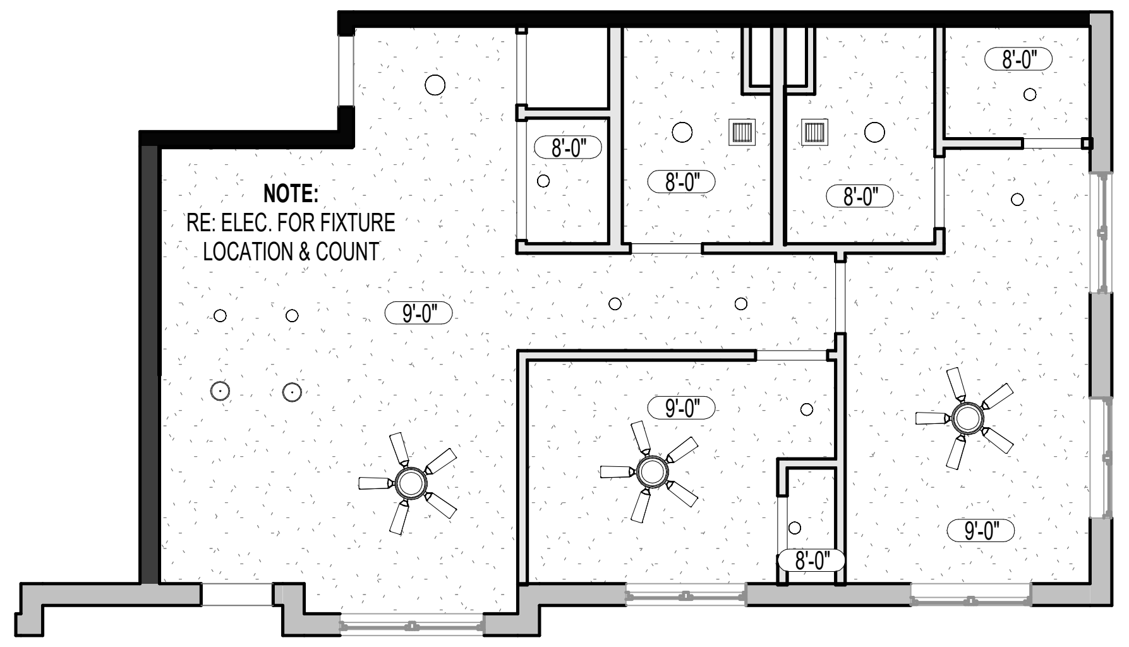
A2
SINGLE SWING PANEL

A3
SINGLE SWING FULL LITE

B2
DOUBLE SWING PANEL



4 UNIT FINISH PLAN - HURLEY (2 BR) - TYPE B
1/8" = 1'-0"



3 UNIT RCP - HURLEY (2 BR) - TYPE B
1/8" = 1'-0"

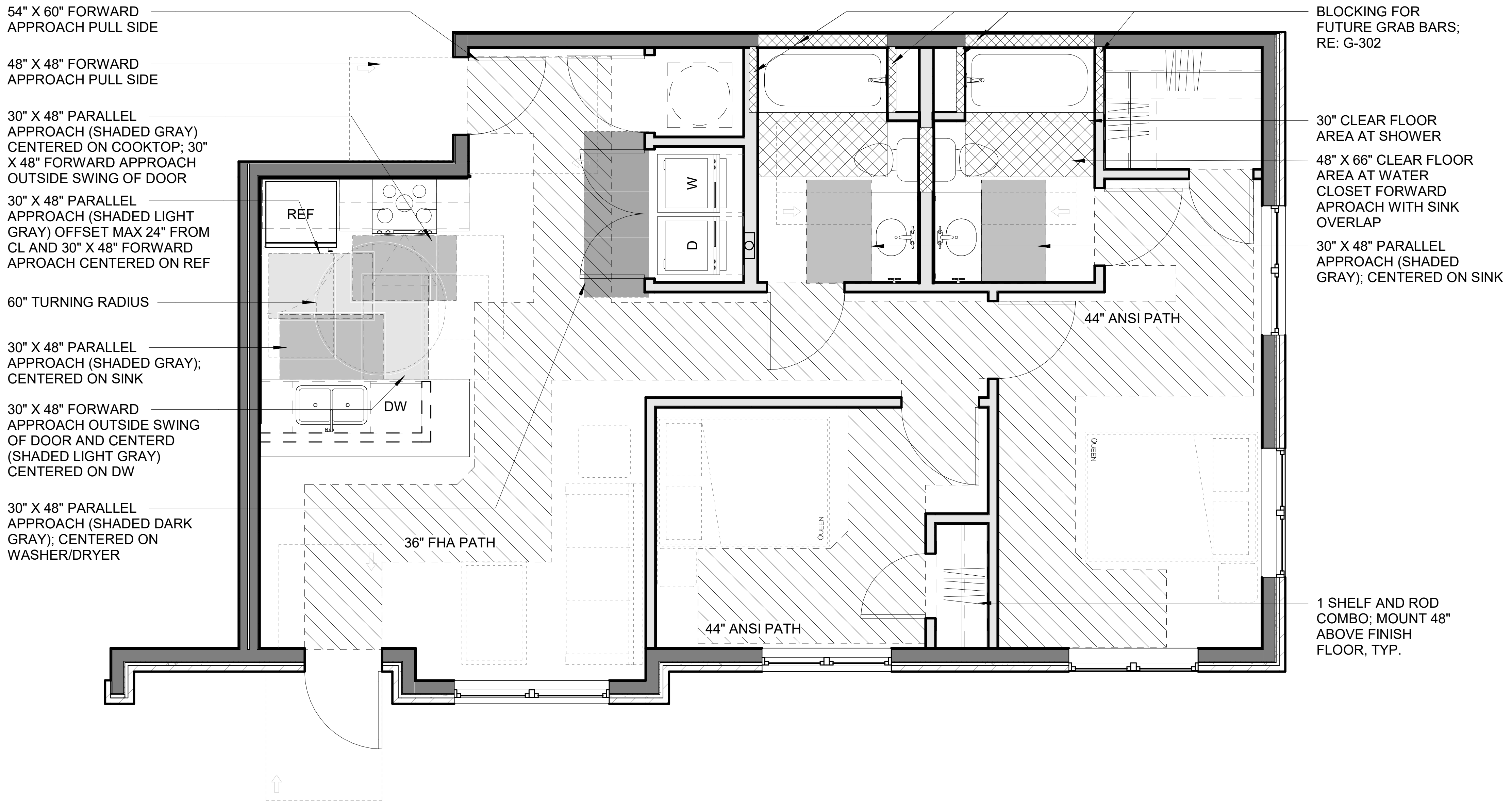
Room Finish Schedule - Units

Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
010	BEDROOM 1	LVT1	WB, PT3	PT1	PT4	
011	CLOSET 1	LVT1		PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				

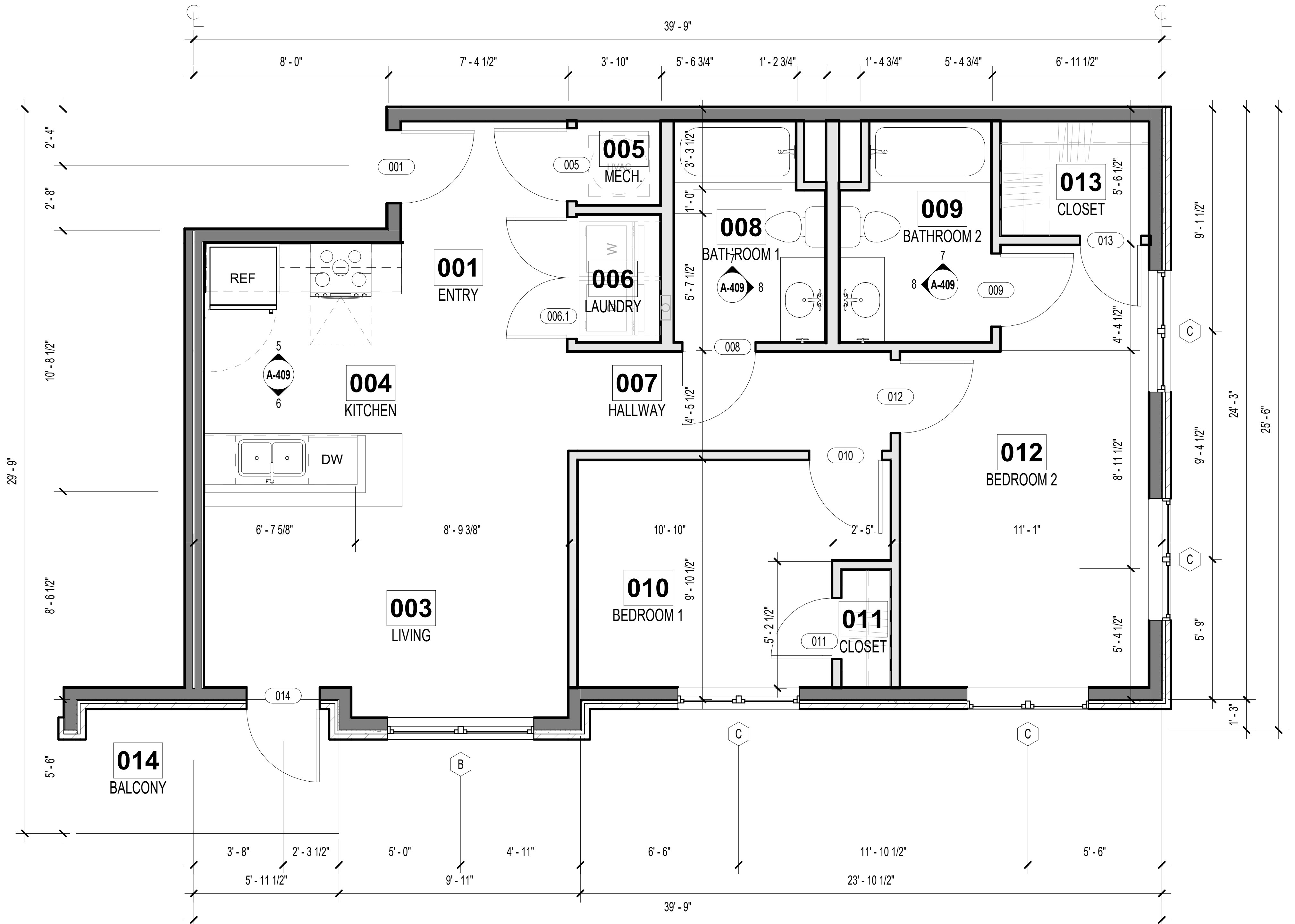
DOOR SCHEDULE - UNIT DOORS

Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3' - 0"	6' - 8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3' - 0"	6' - 8"	1 3/8"		A2	PH	
005	MECH.	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006	LAUNDRY	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006.1	LAUNDRY	6' - 0"	6' - 8"	1 3/8"		B2	PH	UNDERCUT IF REQ'D
008	BATH 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
009	BATH 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
010	BEDROOM 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011.1	CLOSET	6' - 0"	6' - 8"	1 3/8"		B2	PH	
012	BEDROOM 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
013	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
014	BALCONY	3' - 0"	8' - 0"	1 3/4"		A3	TIMELY	

3


54" X 60" FORWARD APPROACH PULL SIDE
48" X 48" FORWARD APPROACH PULL SIDE
30" X 48" PARALLEL APPROACH (SHADED GRAY) CENTERED ON COOKTOP; 30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR
30" X 48" PARALLEL APPROACH (SHADED LIGHT GRAY) OFFSET MAX 24" FROM CL AND 30" X 48" FORWARD APPROACH CENTERED ON REF
60" TURNING RADIUS
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR AND CENTERED (SHADED LIGHT GRAY) CENTERED ON DW
30" X 48" PARALLEL APPROACH (SHADED DARK GRAY); CENTERED ON WASHER/DRYER
BLOCKING FOR FUTURE GRAB BARS; RE: G-302
30" CLEAR FLOOR AREA AT SHOWER
48" X 66" CLEAR FLOOR AREA AT WATER CLOSET FORWARD APROACH WITH SINK OVERLAP
30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK
1 SHELF AND ROD COMBO; MOUNT 48" ABOVE FINISH FLOOR, TYP.
REF
W
D
DW
44" ANSI PATH
36" FHA PATH
44" ANSI PATH

2 UNIT CLEAR SPACE PLAN - HURLEY (2 BR) - TYPE B
1/4" = 1'-0"



1 UNIT FLOOR PLAN - HURLEY (2 BR) - TYPE B
1/4" = 1'-0"

PRINTS ISSUED
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Kansas City, MO 64108-1404
p: 816.472.1448

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DAVID EUGENE HENDRIKSE
NUMBER A-7305
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
HURLEY (2 BR) UNIT PLAN

PROJECT NUMBER: 23099

SHEET NUMBER:

A-409

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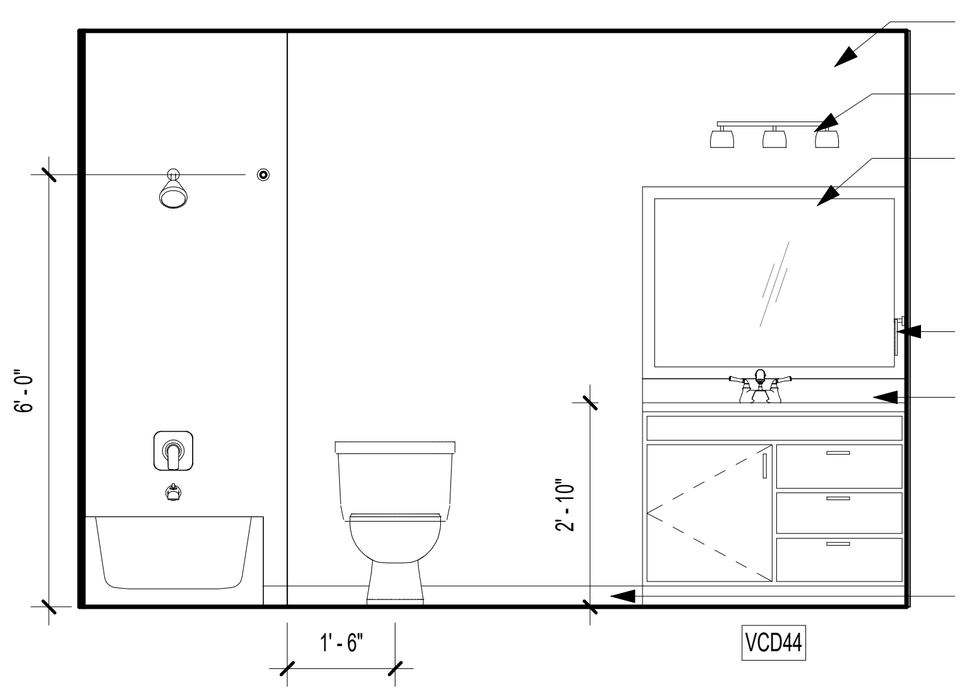
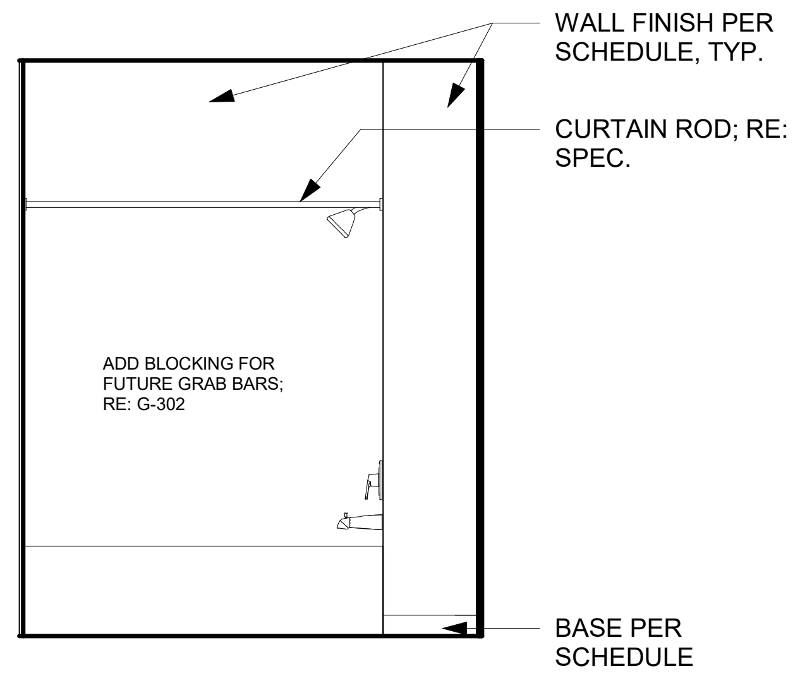
REFERENCE G-003 FOR GENERAL NOTES
REFERENCE A-120 FOR RCP LEGEND
REFERENCE A-400 FOR UNIT PLAN LEGEND
REFERENCE A-102 & A-103 FOR RC LOCATIONS

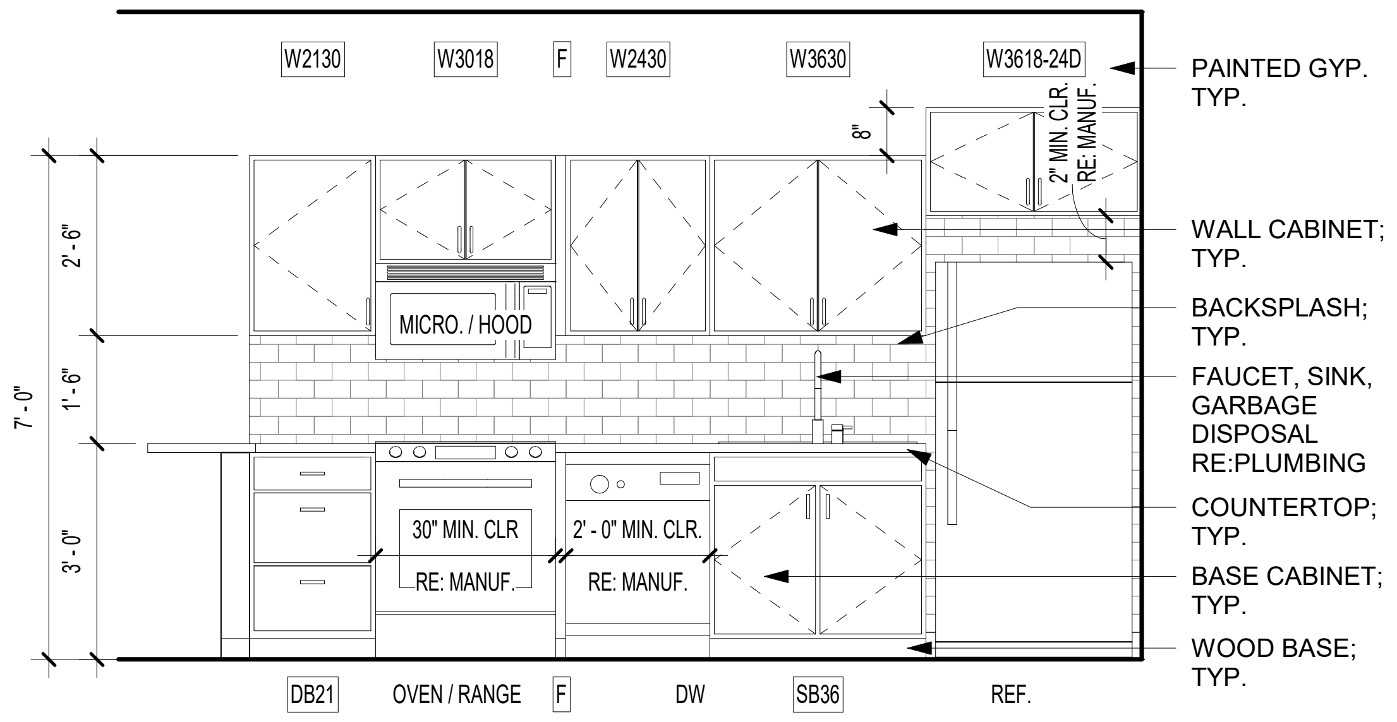


7 LANA BATH ELEV. 2
3/8" = 1'-0" (MIRRORED IN BATHROOM 2)

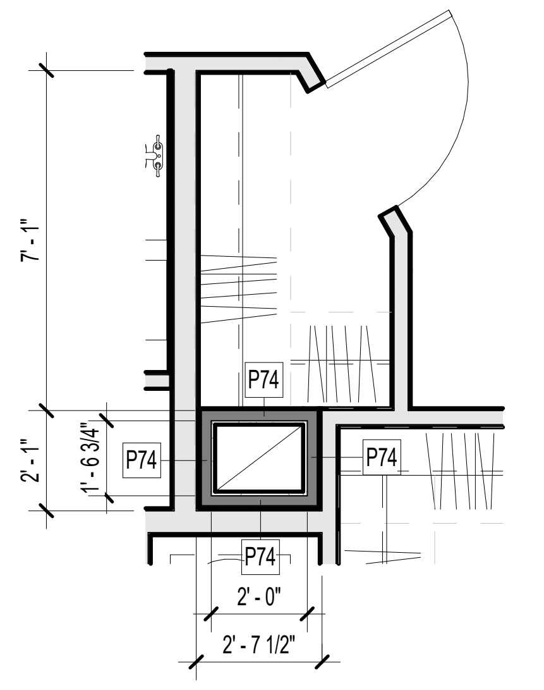


WALL FINISH PER SCHEDULE, TYP.
CURTAIN ROD; RE: SPEC.
ADD BLOCKING FOR FUTURE GRAB BARS; RE: G-302
BASE PER SCHEDULE

6 LANA BATH ELEV. 1
3/8" = 1'-0" (MIRRORED IN BATHROOM 2)



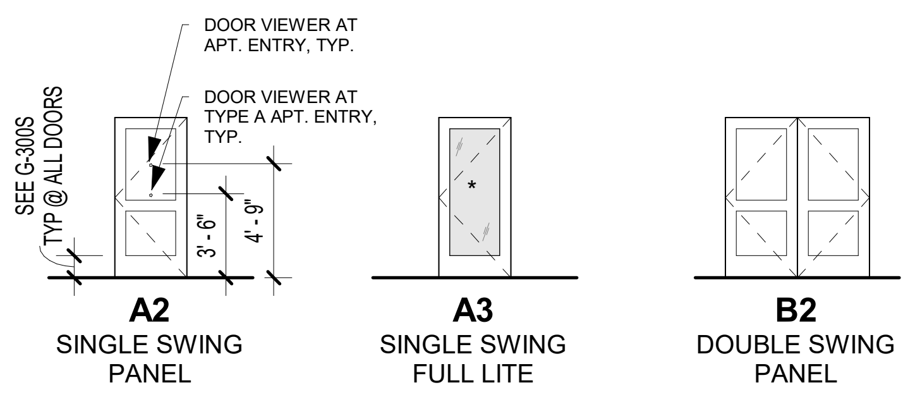
5 LANA KITCHEN ELEV. 1
3/8" = 1'-0" (MIRRORED)



8 LANA ALT CLOSET PLAN AT SHAFT
1/4" = 1'-0"

NOTE: SHAFT OCCURS IN UNITS 201 & 301 - SEE BUILDING PLANS.

DOOR TYPES - UNITS

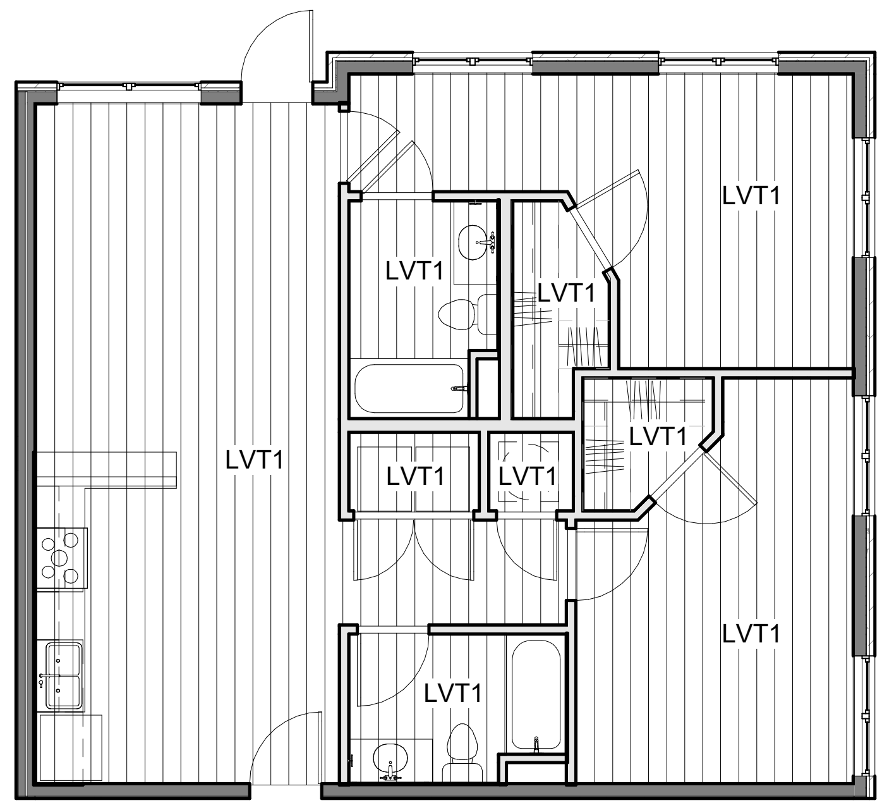


DOOR VIEWER AT APT. ENTRY, TYP.
DOOR VIEWER AT TYPE A APT. ENTRY, TYP.
SEE G-300S TYP @ ALL DOORS
3' - 6"
4' - 0"

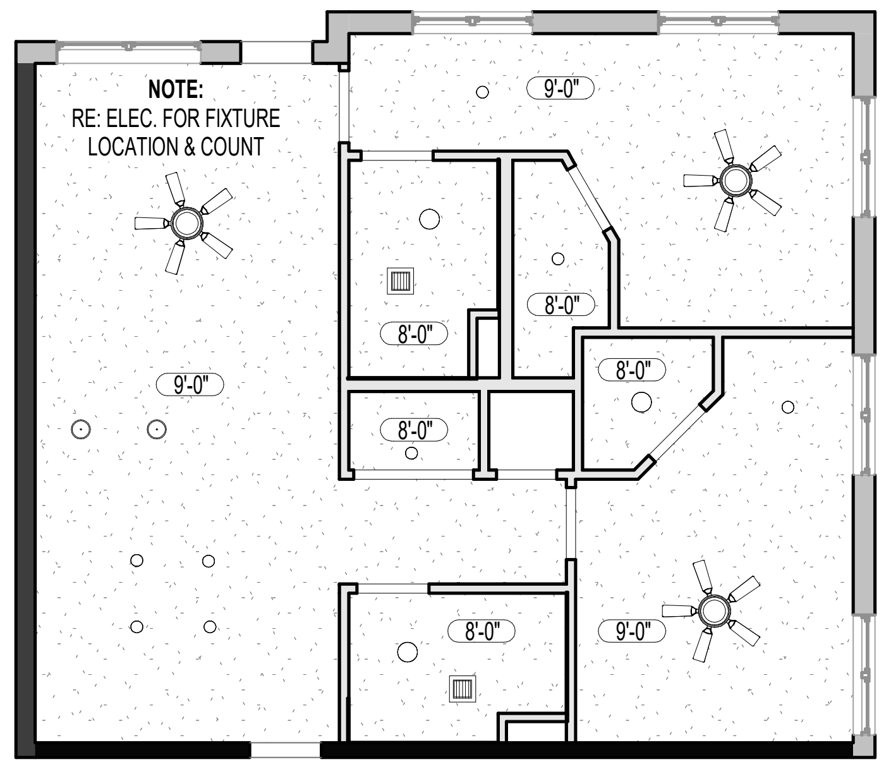
A2
SINGLE SWING PANEL

A3
SINGLE SWING FULL LITE

B2
DOUBLE SWING PANEL



4 UNIT FINISH PLAN - LANA (2 BR) - TYPE B
1/8" = 1'-0"



3 UNIT RCP - LANA (2 BR) - TYPE B
1/8" = 1'-0"

Room Finish Schedule - Units						
Number	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
001	ENTRY	LVT1	WB, PT3	PT1	PT4	
002	COAT	LVT1		PT2	PT4	
003	LIVING	LVT1	WB, PT3	PT1	PT4	
004	KITCHEN	LVT1	WB, PT3	PT1	PT4	
005	MECH.	LVT1		PT2	PT4	
006	LAUNDRY	LVT1		PT2	PT4	
007	HALLWAY	LVT1	WB, PT3	PT1	PT4	
008	BATH 1	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
009	BATH 2	LVT1 OR LVT2		PT1	PT4	LVT2 IN TYPE A UNITS ONLY
010	BEDROOM 1	LVT1	WB, PT3	PT1	PT4	
011	CLOSET 1	LVT1		PT2	PT4	
012	BEDROOM 2	LVT1	WB, PT3	PT1	PT4	
013	CLOSET 2	LVT1		PT2	PT4	
014	BALCONY	CONCRETE				

DOOR SCHEDULE - UNIT DOORS								
Mark	Location	Width	Height	Thickness	Fire Rating (Minutes)	Door Type	Frame Type	Comments
001	ENTRY	3' - 0"	6' - 8"	1 3/4"	20	A2	TIMELY	SPRING HINGES (CLOSER) SMOKE SEAL
002	COAT	3' - 0"	6' - 8"	1 3/8"		A2	PH	
005	MECH.	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006	LAUNDRY	3' - 0"	6' - 8"	1 3/8"		A2	PH	UNDERCUT IF REQ'D
006.1	LAUNDRY	6' - 0"	6' - 8"	1 3/8"		B2	PH	UNDERCUT IF REQ'D
008	BATH 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
009	BATH 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
010	BEDROOM 1	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
011.1	CLOSET	6' - 0"	6' - 8"	1 3/8"		B2	PH	
012	BEDROOM 2	3' - 0"	6' - 8"	1 3/8"		A2	PH	
013	CLOSET	3' - 0"	6' - 8"	1 3/8"		A2	PH	
014	BALCONY	3' - 0"	8' - 0"	1 3/4"		A3	TIMELY	

30" X 48" PARALLEL APPROACH (SHADED DARK GRAY); CENTERED ON WASHER/DRYER

30" X 48" PARALLEL APPROACH (SHADED GRAY) CENTERED ON COOKTOP; 30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR

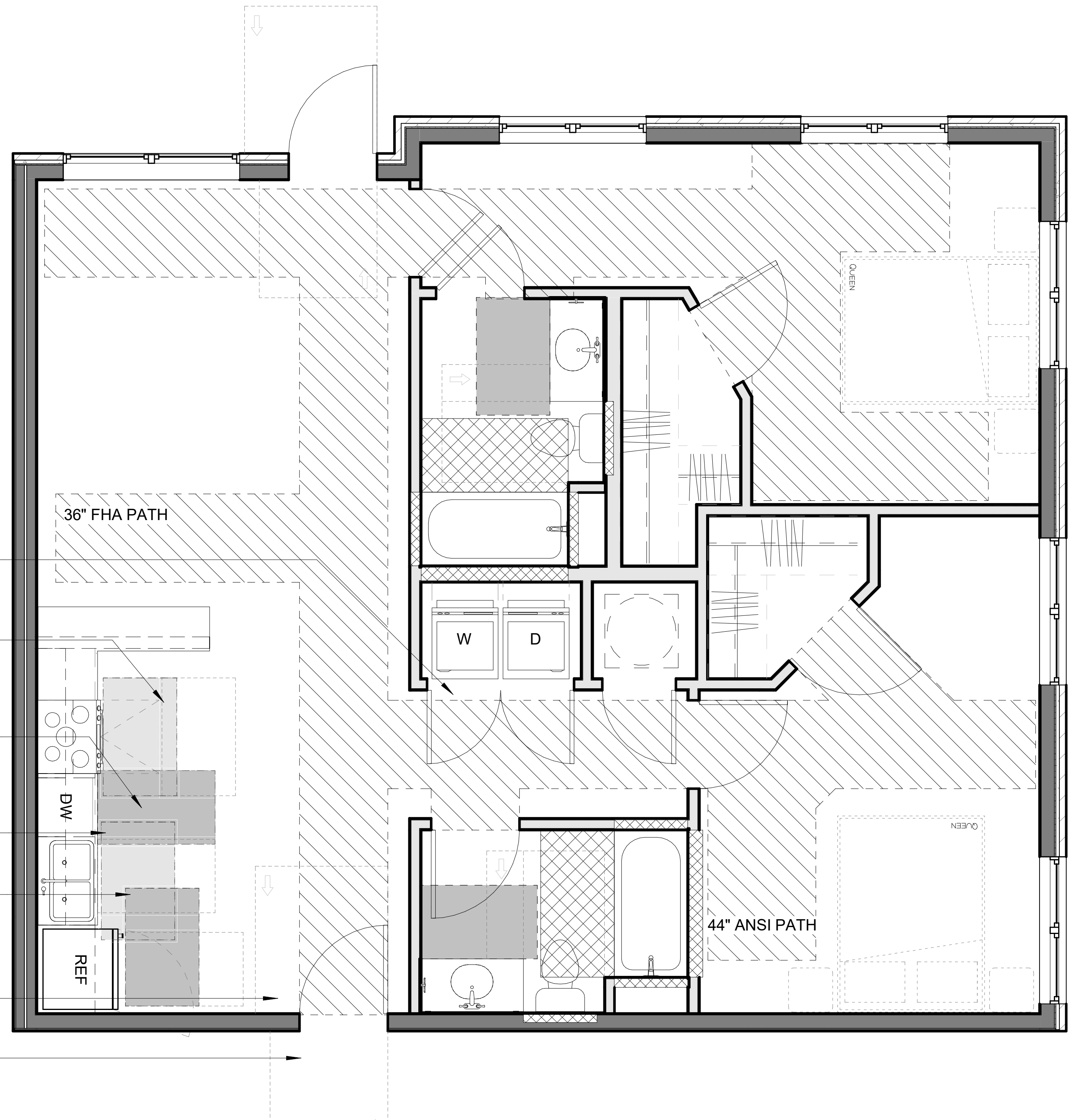
30" X 48" FORWARD APPROACH OUTSIDE SWING OF DOOR AND CENTERED (SHADED LIGHT GRAY) CENTERED ON DW

30" X 48" PARALLEL APPROACH (SHADED GRAY); CENTERED ON SINK

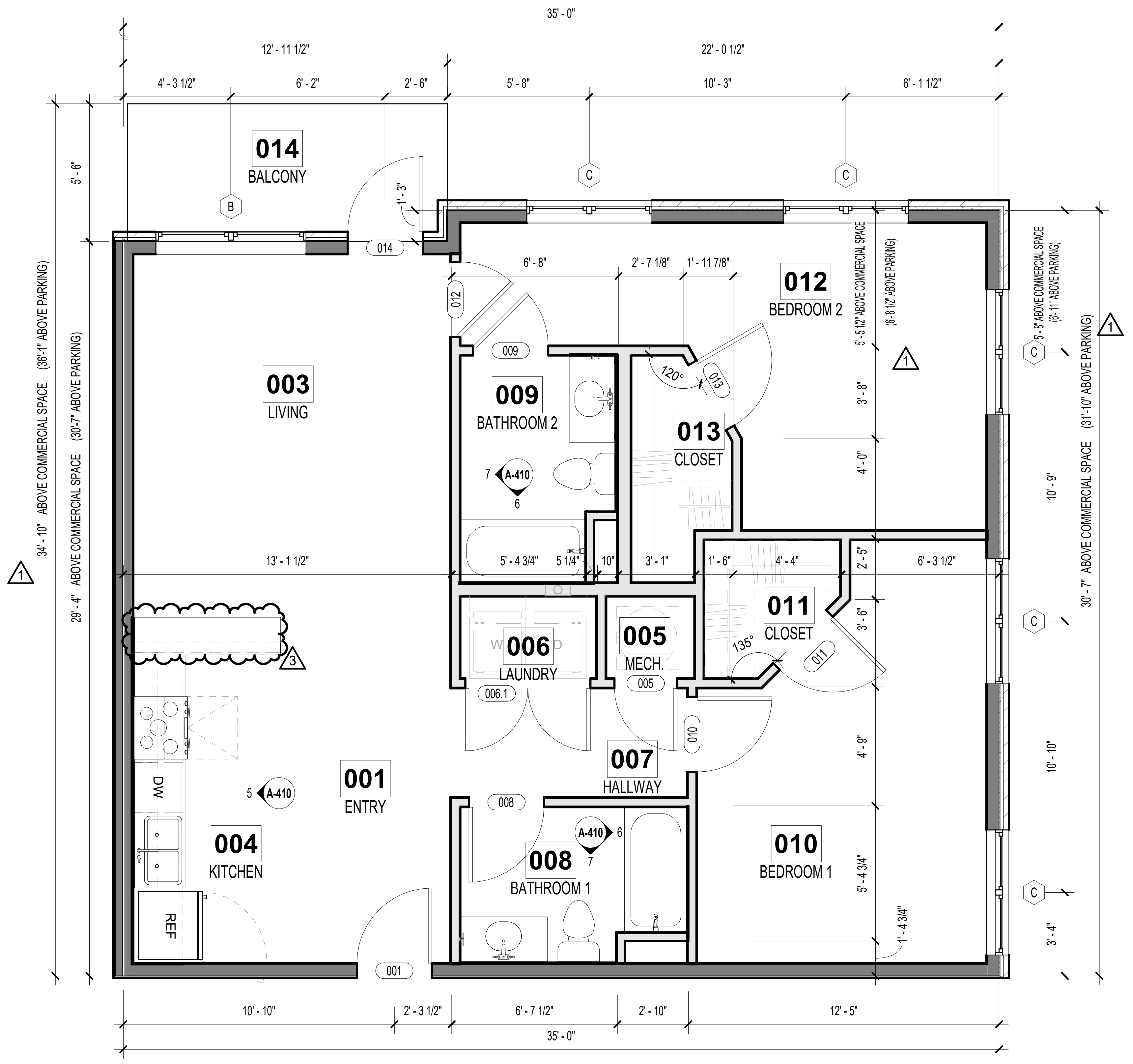
30" X 48" PARALLEL APPROACH (SHADED LIGHT GRAY) OFFSET MAX 24" FROM CL AND 30" X 48" FORWARD APROACH CENTERED ON REF

54" X 60" FORWARD APPROACH PULL SIDE

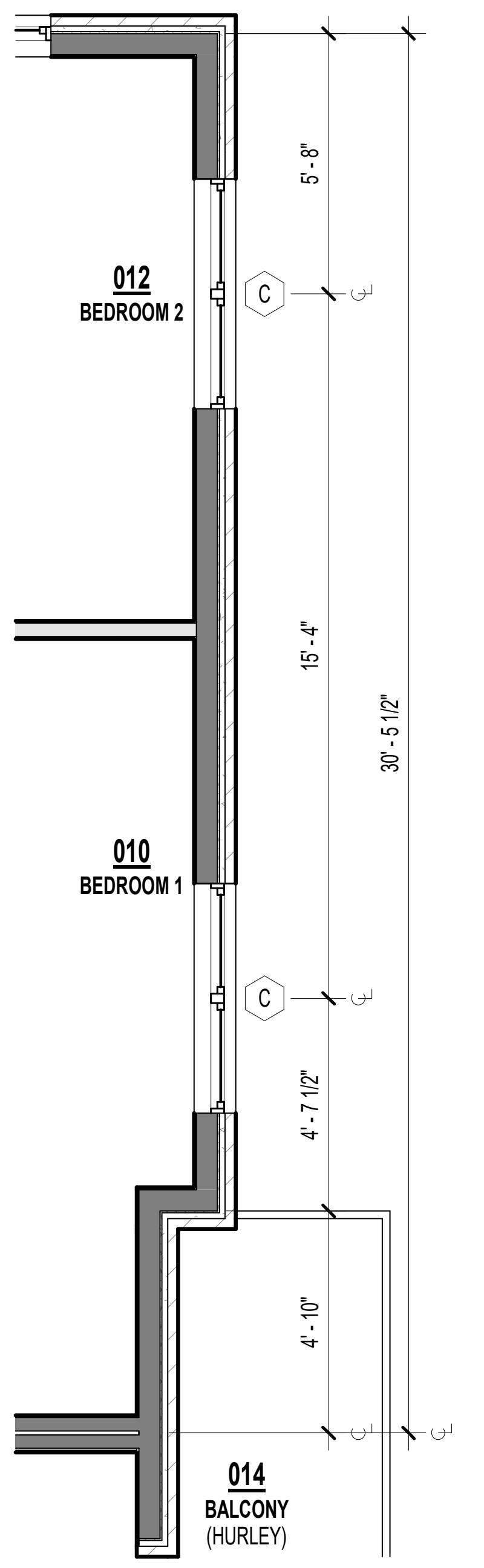
48" X 48" FORWARD APPROACH PULL SIDE



2 UNIT CLEAR SPACE PLAN - LANA (2 BR) - TYPE B
1/4" = 1'-0"



1 UNIT FLOOR PLAN - LANA (2 BR) - TYPE B
1/4" = 1'-0"



1A LANA ALT EXT. WALL SW CORNER
1/4" = 1'-0" (UNIT MIRRORED)

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:
1 10/21/24 ADDENDUM #1
3 12/20/24 ADDENDUM #3

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Kansas City, MO 64108-1404
p: 816.472.1448
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DAVID EUGENE HENDRIKSE
NUMBER A-2005
12/20/24

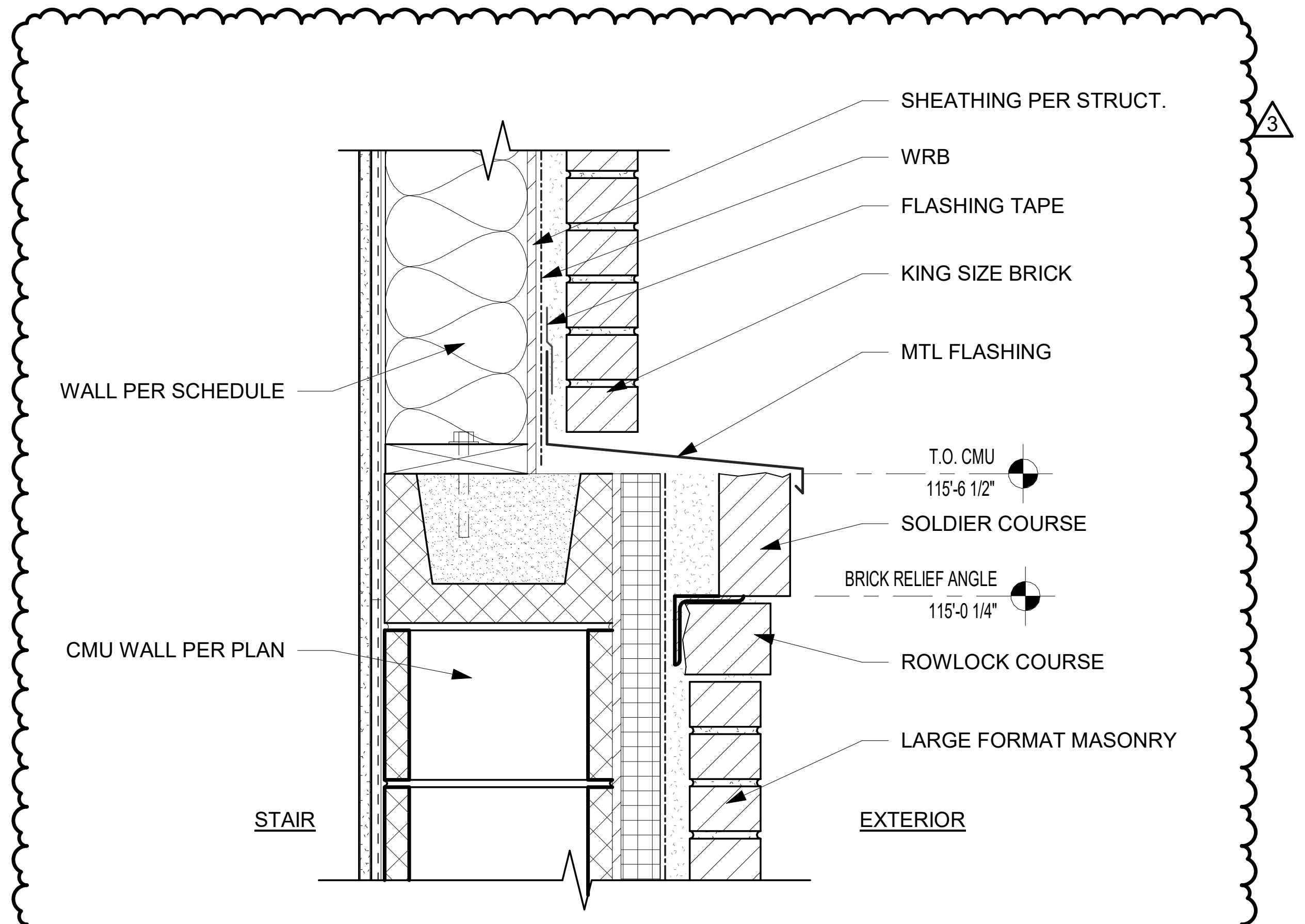
THE VILLAGE AT DISCOVERY - LOT 4
LEE'S SUMMIT, MO

SHEET TITLE
LANA (2 BR) UNIT PLAN

PROJECT NUMBER: 23099

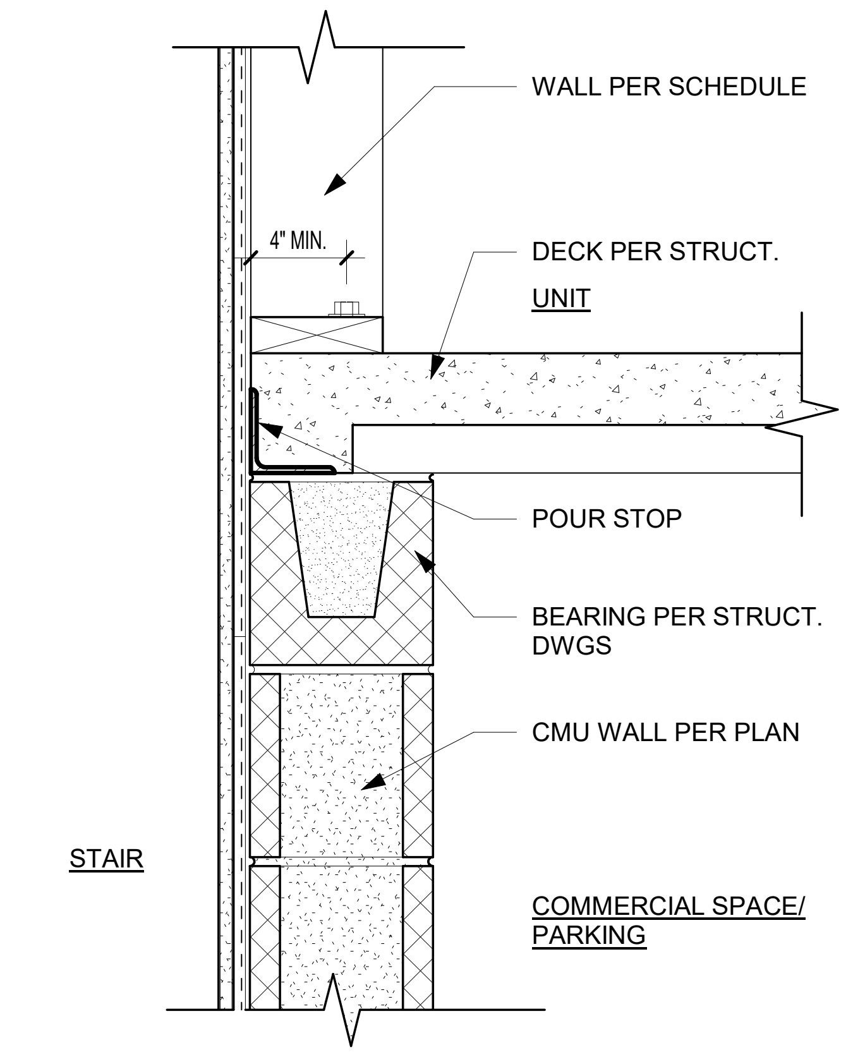
SHEET NUMBER:

A-410



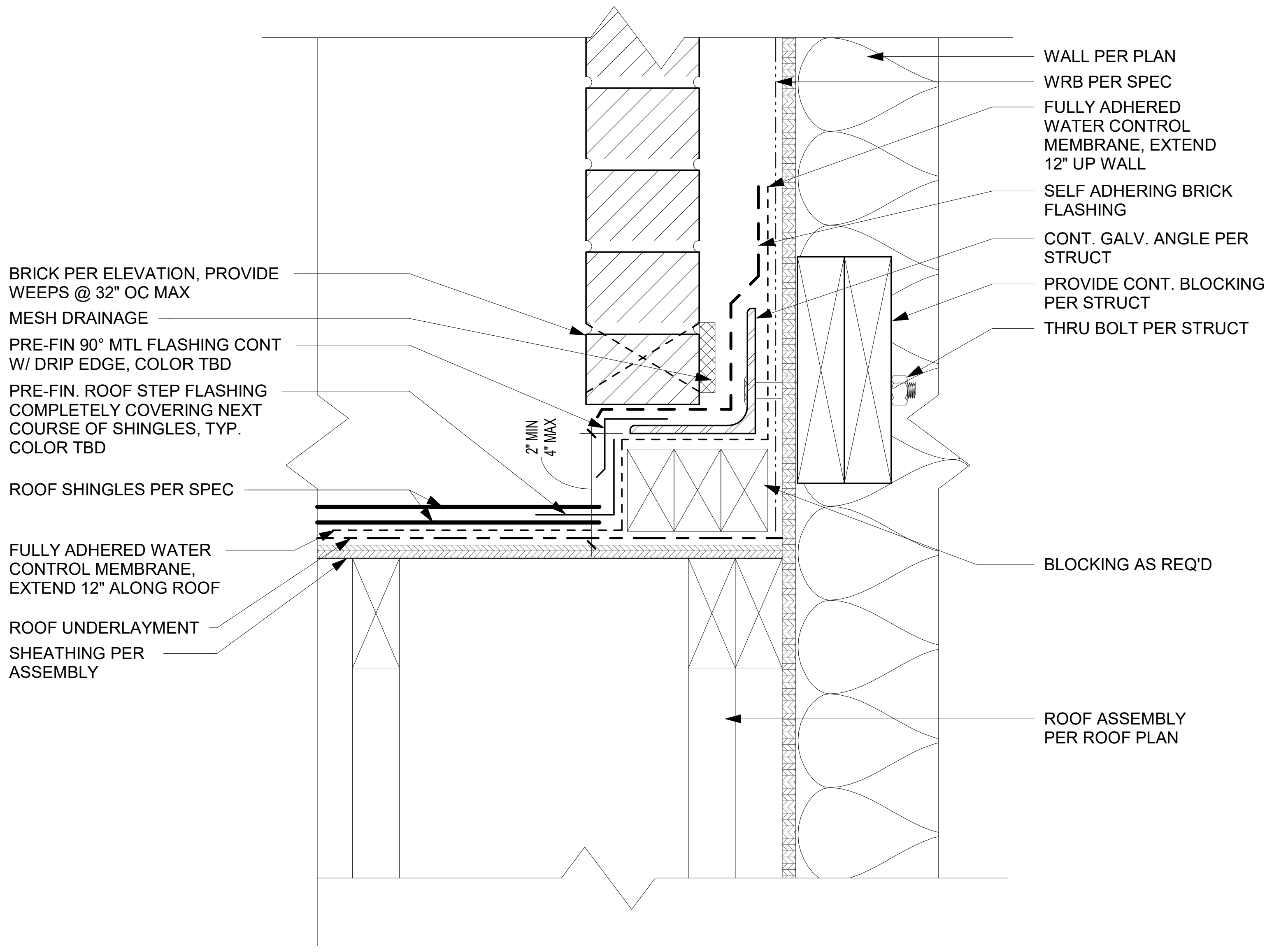
D3 CMU WOOD WALL TRANSITION @ STAIRS

1 1/2" = 1'-0"



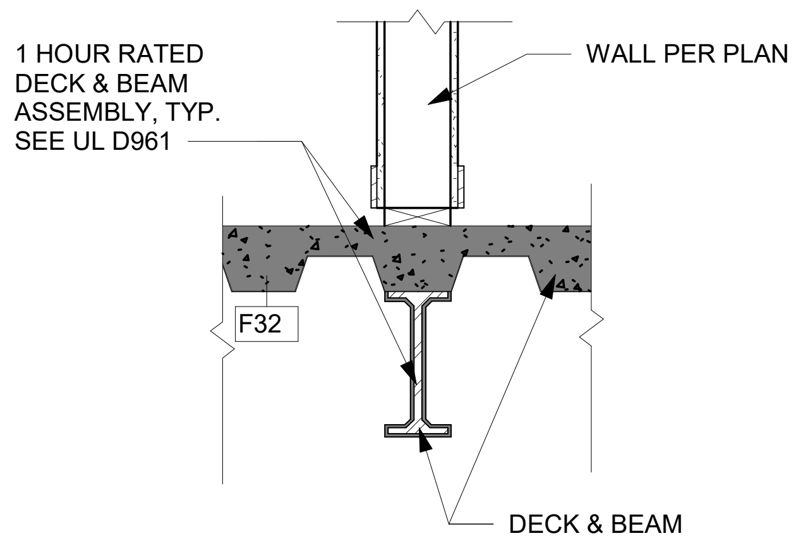
D2 DECK BEARING @ STAIRS

1 1/2" = 1'-0"


WALL PER PLAN
WRB PER SPEC
FULLY ADHERED WATER CONTROL MEMBRANE, EXTEND 12" UP WALL
SELF ADHERING BRICK FLASHING
CONT. GALV. ANGLE PER STRUCT
PROVIDE CONT. BLOCKING PER STRUCT
THRU BOLT PER STRUCT
BRICK PER ELEVATION, PROVIDE WEEPS @ 32" OC MAX
MESH DRAINAGE
PRE-FIN 90° MTL FLASHING CONT W/ DRIP EDGE, COLOR TBD
PRE-FIN. ROOF STEP FLASHING COMPLETELY COVERING NEXT COURSE OF SHINGLES, TYP. COLOR TBD
2" MIN
4" MAX
ROOF SHINGLES PER SPEC
FULLY ADHERED WATER CONTROL MEMBRANE, EXTEND 12" ALONG ROOF
ROOF UNDERLAYMENT
SHEATHING PER ASSEMBLY
BLOCKING AS REQ'D
ROOF ASSEMBLY PER ROOF PLAN

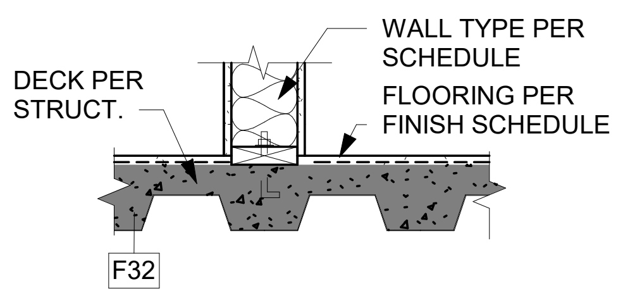
D1 THROUGH WALL FLASHING @ ROOF

3" = 1'-0"


1 HOUR RATED DECK & BEAM ASSEMBLY, TYP. SEE UL D961
WALL PER PLAN
F32
DECK & BEAM PER STRUCT., TYP.

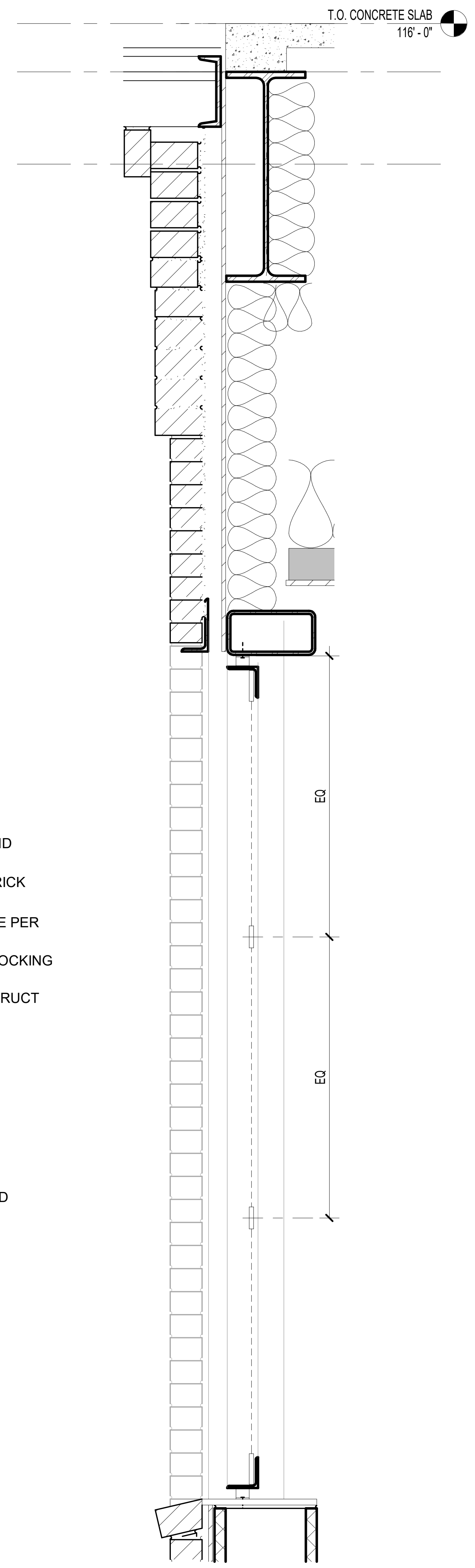
C4 BEAM @ DECK

3/4" = 1'-0"



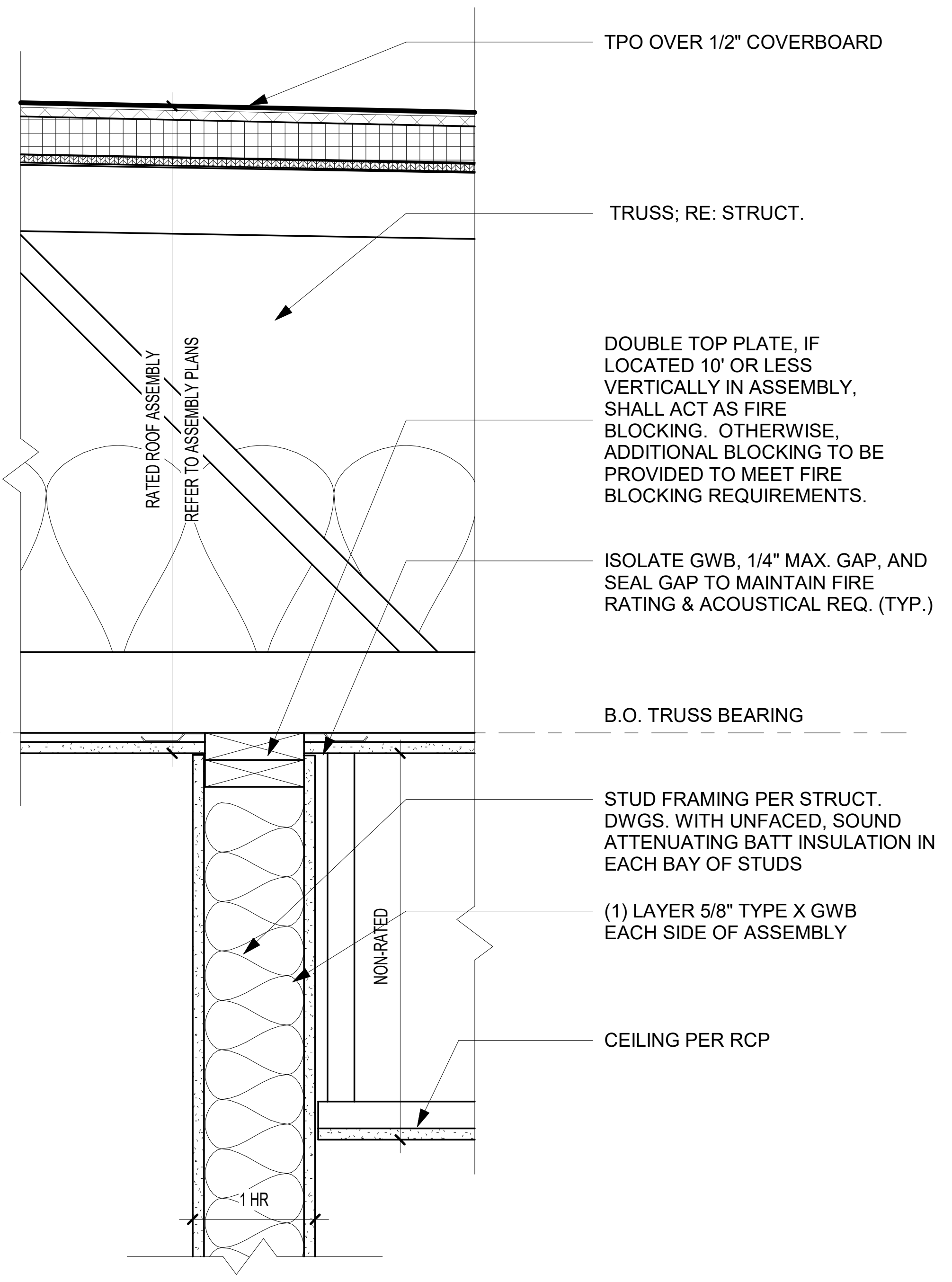
C3 WALL @ DECK

3/4" = 1'-0"



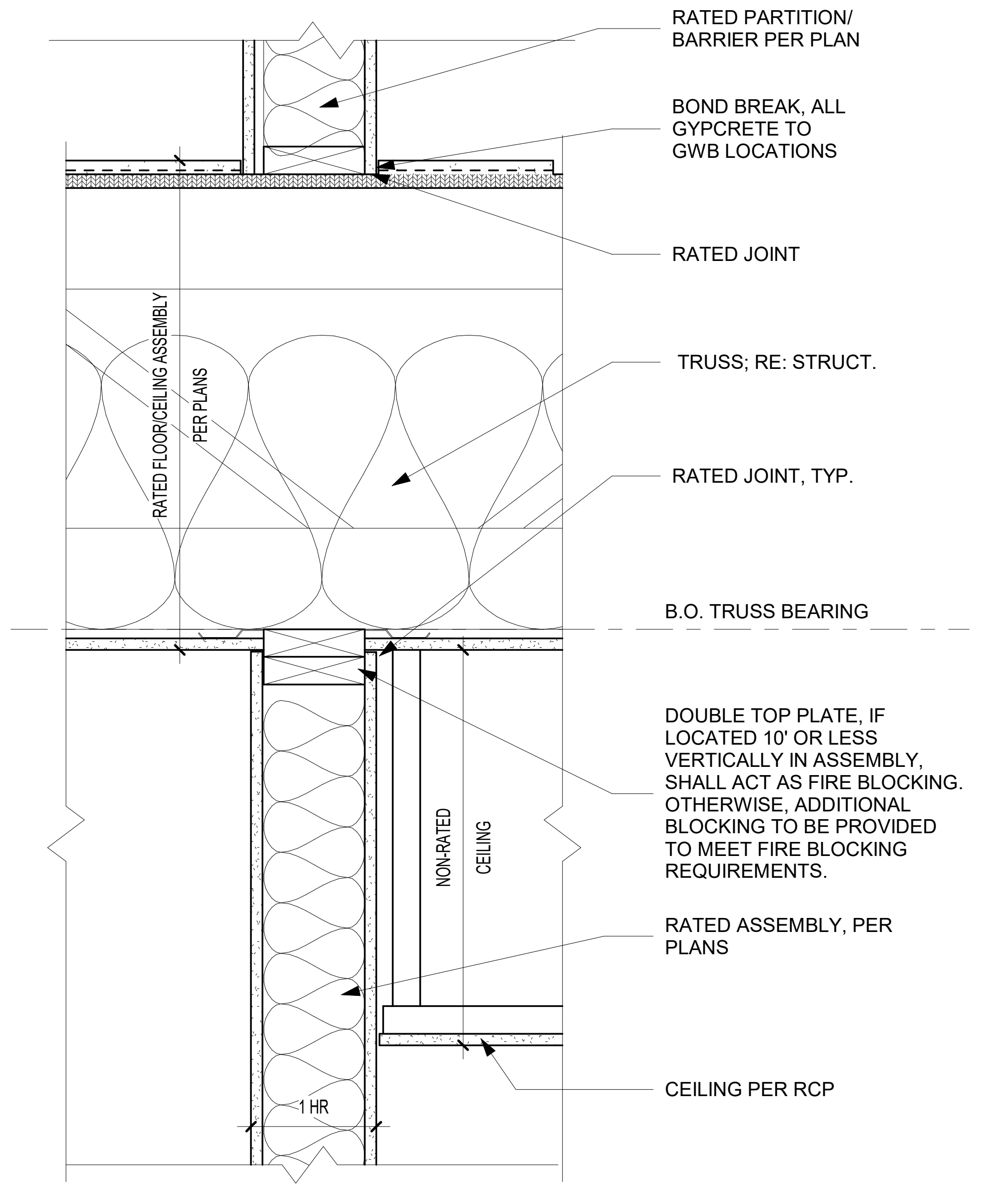
C1 PRE-FAB METAL SCREEN @ OPEN PARKING

1" = 1'-0"


TPO OVER 1/2" COVERBOARD
TRUSS; RE: STRUCT.
RATED ROOF ASSEMBLY
REFER TO ASSEMBLY PLANS
DOUBLE TOP PLATE, IF LOCATED 10' OR LESS VERTICALLY IN ASSEMBLY, SHALL ACT AS FIRE BLOCKING. OTHERWISE, ADDITIONAL BLOCKING TO BE PROVIDED TO MEET FIRE BLOCKING REQUIREMENTS.
ISOLATE GWB, 1/4" MAX. GAP, AND SEAL GAP TO MAINTAIN FIRE RATING & ACOUSTICAL REQ. (TYP.)
B.O. TRUSS BEARING
STUD FRAMING PER STRUCT. DWGS. WITH UNFACED, SOUND ATTENUATING BATT INSULATION IN EACH BAY OF STUDS
NON-RATED
(1) LAYER 5/8" TYPE X GWB EACH SIDE OF ASSEMBLY
CEILING PER RCP
1 HR

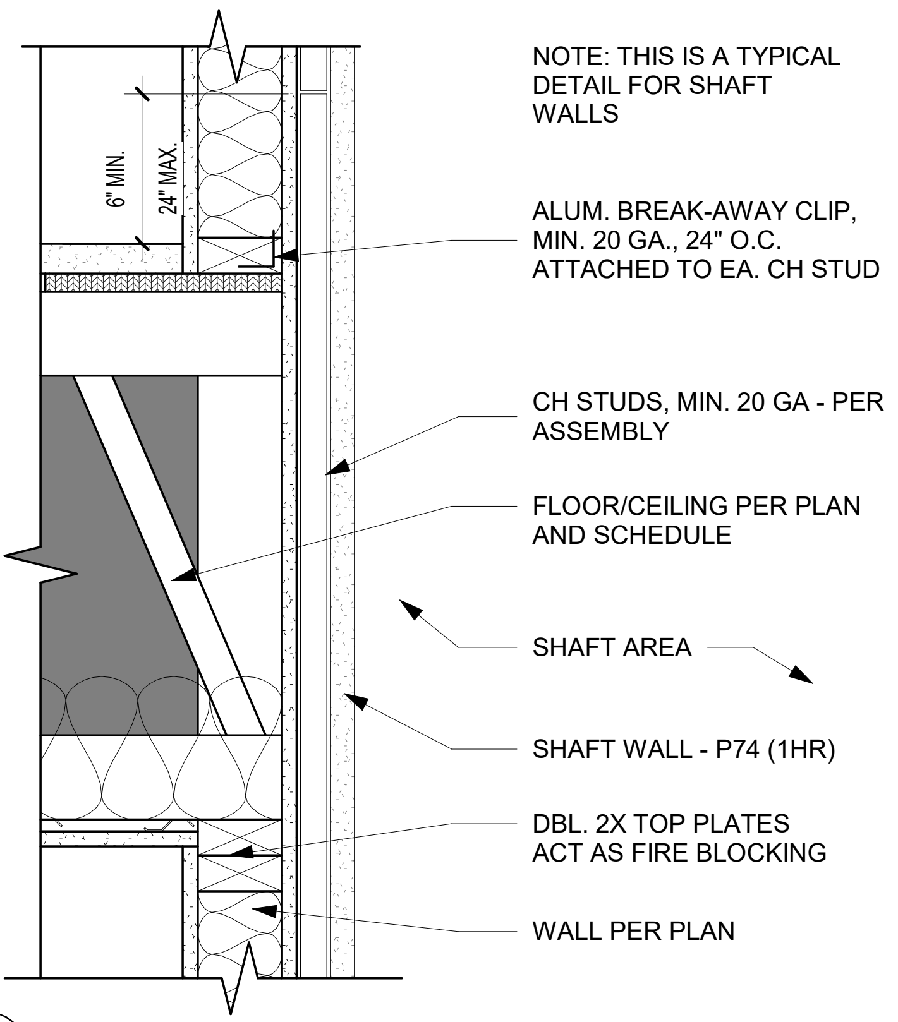
B3 WALL/RATED - WOOD STUD - 1 HOUR - ROOF/CEILING ASSEMBLY @ PARTITION PERP TO TRUSS (SECTION)

1 1/2" = 1'-0"


RATED PARTITION/ BARRIER PER PLAN
BOND BREAK, ALL GYPCRETE TO GWB LOCATIONS
RATED JOINT
RATED FLOOR/CEILING ASSEMBLY
PER PLANS
TRUSS; RE: STRUCT.
RATED JOINT, TYP.
B.O. TRUSS BEARING
DOUBLE TOP PLATE, IF LOCATED 10' OR LESS VERTICALLY IN ASSEMBLY, SHALL ACT AS FIRE BLOCKING. OTHERWISE, ADDITIONAL BLOCKING TO BE PROVIDED TO MEET FIRE BLOCKING REQUIREMENTS.
NON-RATED
CEILING
RATED ASSEMBLY, PER PLANS
CEILING PER RCP
1 HR

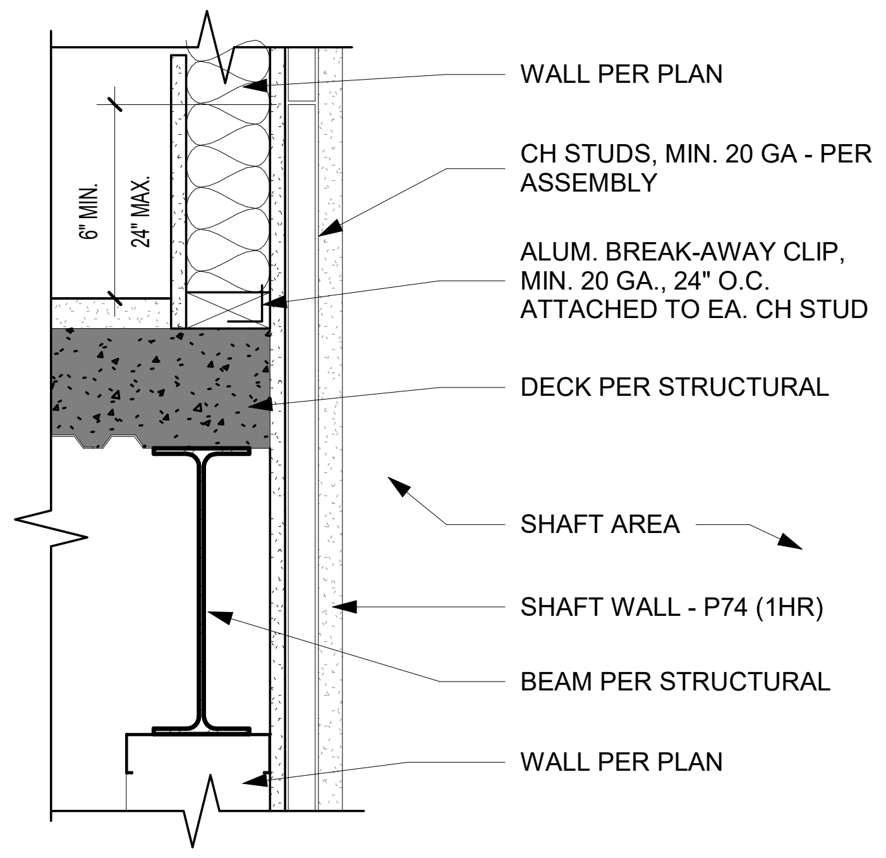
B1 WALL/RATED - WOOD STUD - 1 HOUR - PARTITION WALL @ F/C (SECTION)

1 1/2" = 1'-0"


NOTE: THIS IS A TYPICAL DETAIL FOR SHAFT WALLS
6" MIN.
24" MAX.
ALUM. BREAK-AWAY CLIP, MIN. 20 GA., 24" O.C. ATTACHED TO EA. CH STUD
CH STUDS, MIN. 20 GA - PER ASSEMBLY
FLOOR/CEILING PER PLAN AND SCHEDULE
SHAFT AREA
SHAFT WALL - P74 (1HR)
DBL. 2X TOP PLATES ACT AS FIRE BLOCKING
WALL PER PLAN

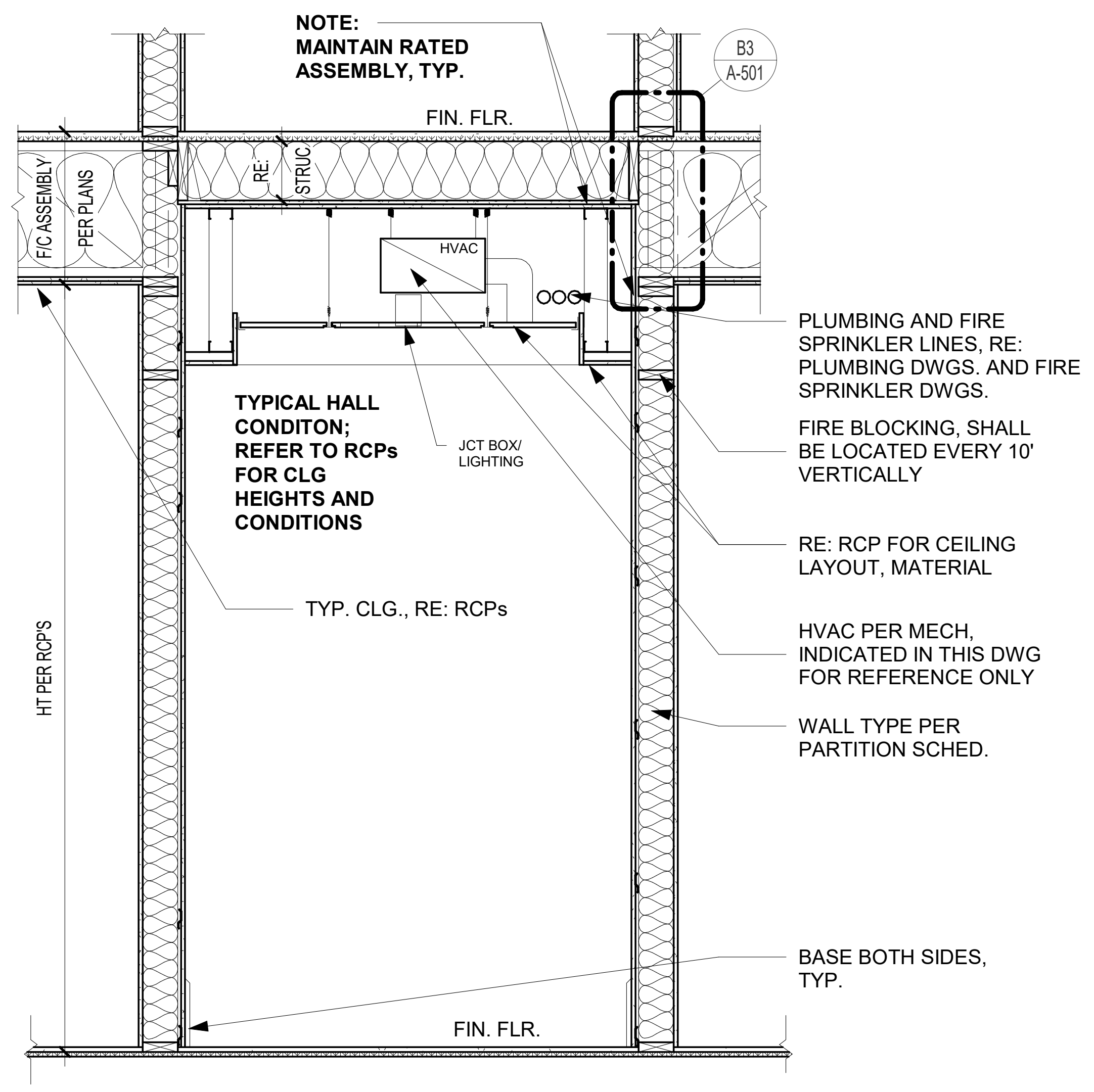
A4 SHAFT @ 2ND & 3RD FLOORS

1 1/2" = 1'-0"



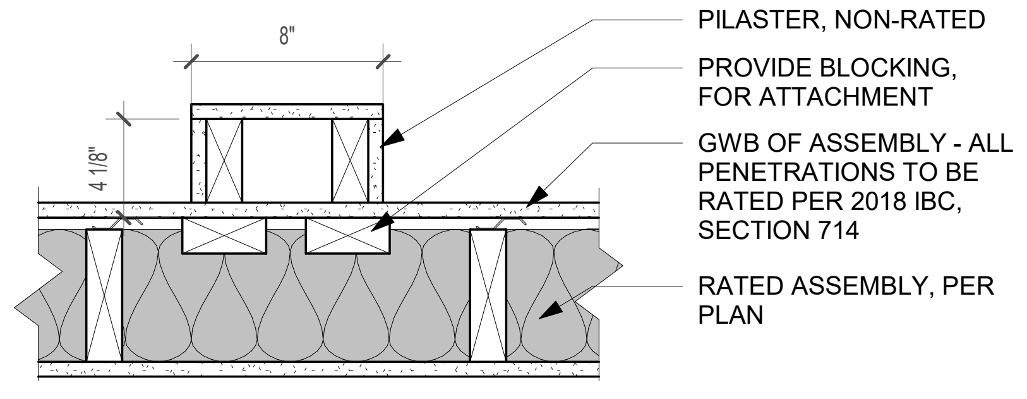
A3 SHAFT @ 1ST FLOOR COMMERCIAL SPACE

1 1/2" = 1'-0"


NOTE:
MAINTAIN RATED ASSEMBLY, TYP.
B3
A-501
FIN. FLR.
F/C ASSEMBLY
PER PLANS
RE:
STRUC
HVAC
PLUMBING AND FIRE SPRINKLER LINES, RE: PLUMBING DWGS. AND FIRE SPRINKLER DWGS.
TYPICAL HALL CONDITON; REFER TO RCPs FOR CLG HEIGHTS AND CONDITIONS
JCT BOX/ LIGHTING
FIRE BLOCKING, SHALL BE LOCATED EVERY 10' VERTICALLY
RE: RCP FOR CEILING LAYOUT, MATERIAL
TYP. CLG., RE: RCPs
HVAC PER MECH, INDICATED IN THIS DWG FOR REFERENCE ONLY
HT PER RCP'S
WALL TYPE PER PARTITION SCHED.
BASE BOTH SIDES, TYP.
FIN. FLR.

A2 FLOOR/CEILING @ CORRIDOR (SECTION)

1/2" = 1'-0"


8"
4 1/8"
PILASTER, NON-RATED
PROVIDE BLOCKING, FOR ATTACHMENT
GWB OF ASSEMBLY - ALL PENETRATIONS TO BE RATED PER 2018 IBC, SECTION 714
RATED ASSEMBLY, PER PLAN

A1 CORRIDOR WALL WITH PILASTER (PLAN)

1 1/2" = 1'-0"

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01/25/2024 - CITY SUBMITTAL

REVISIONS:
3 12/20/24 ADDENDUM #3

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p: 816.472.1448

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STATE OF MISSOURI
DAVID EUGENE HENDRIKSE
NUMBER A-7305
REGISTERED ARCHITECT
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
WALL DETAILS

PROJECT NUMBER: 23099

SHEET NUMBER:

A-502

12/20/2024 7:33:12 PM
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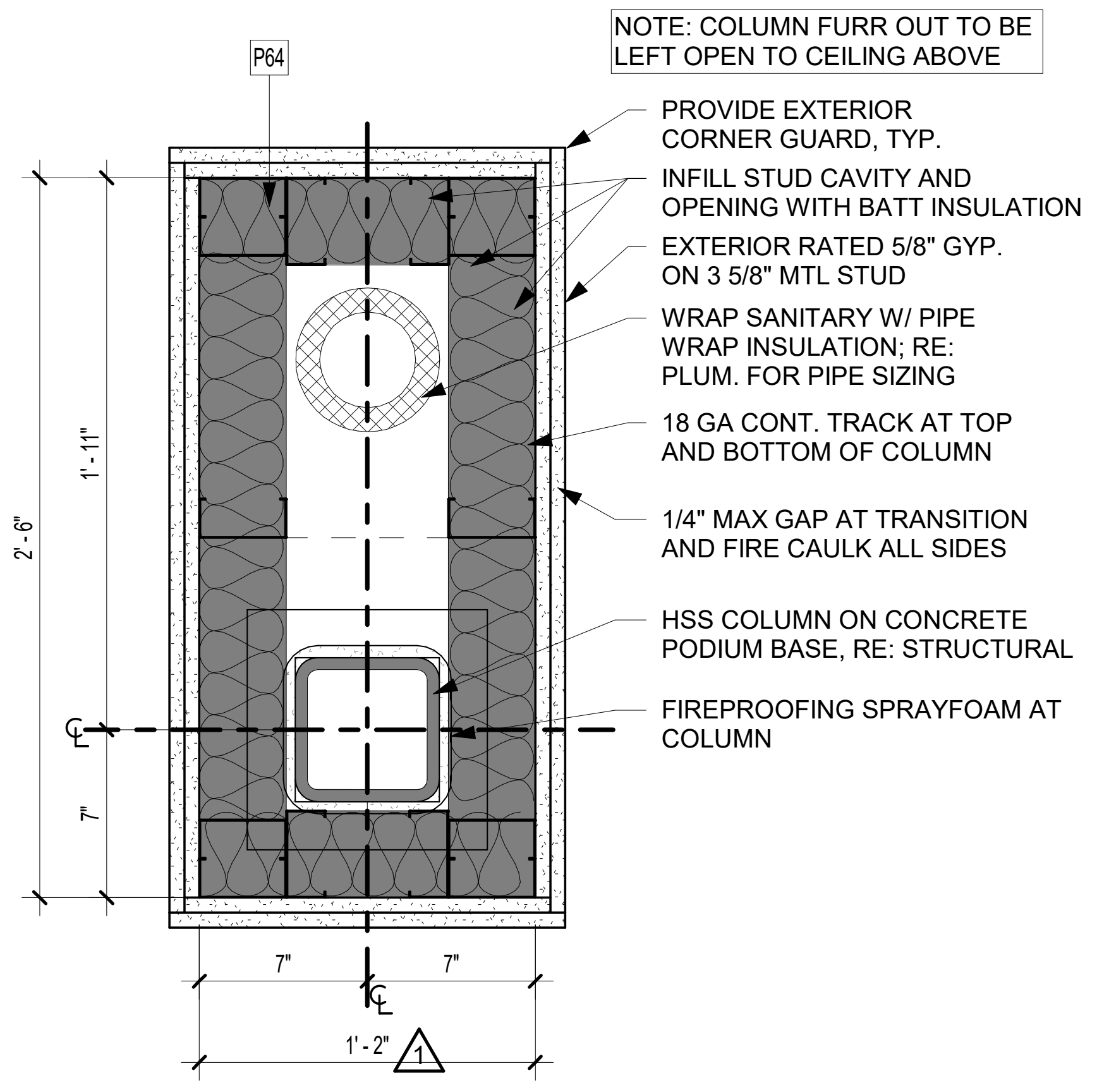
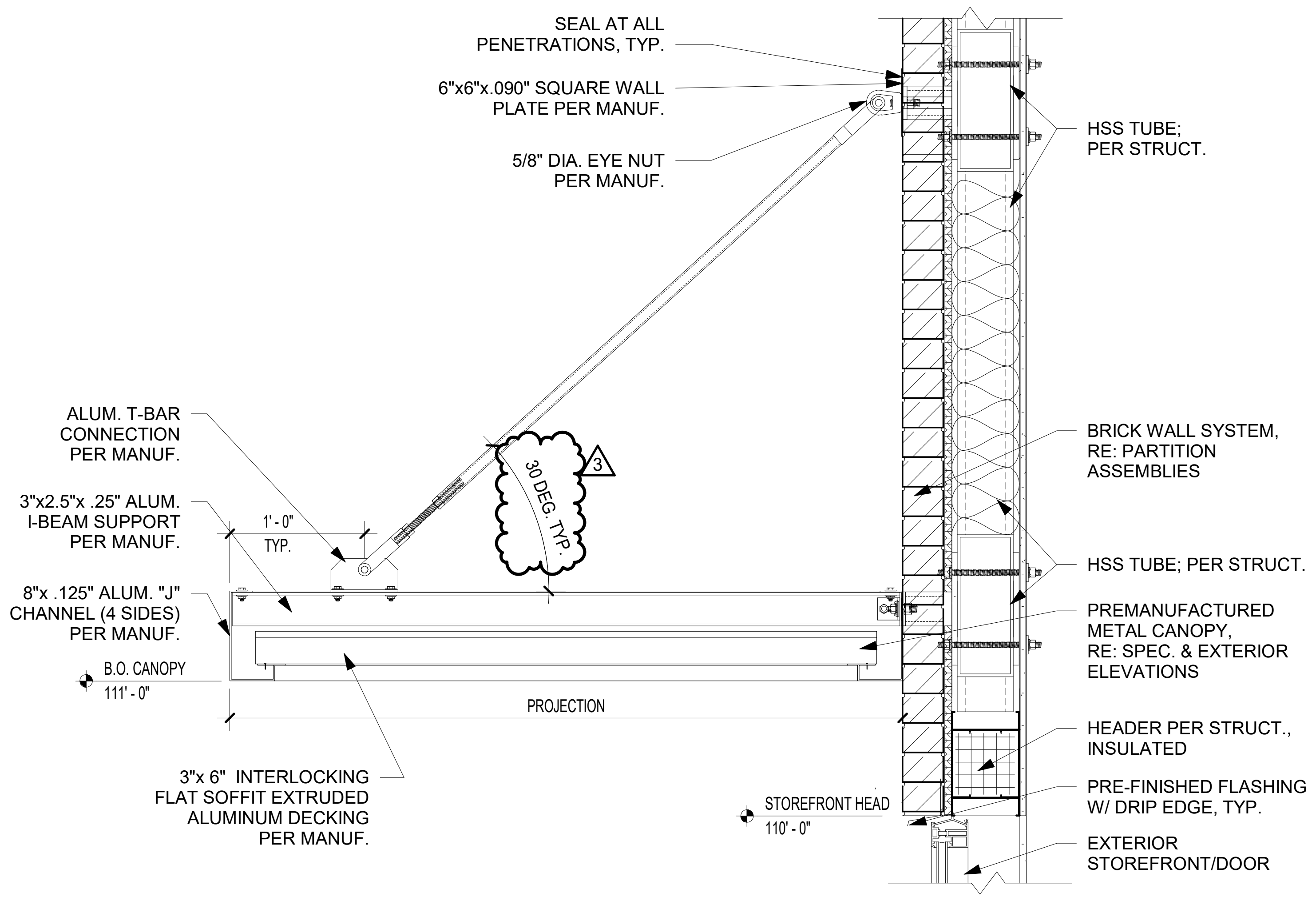
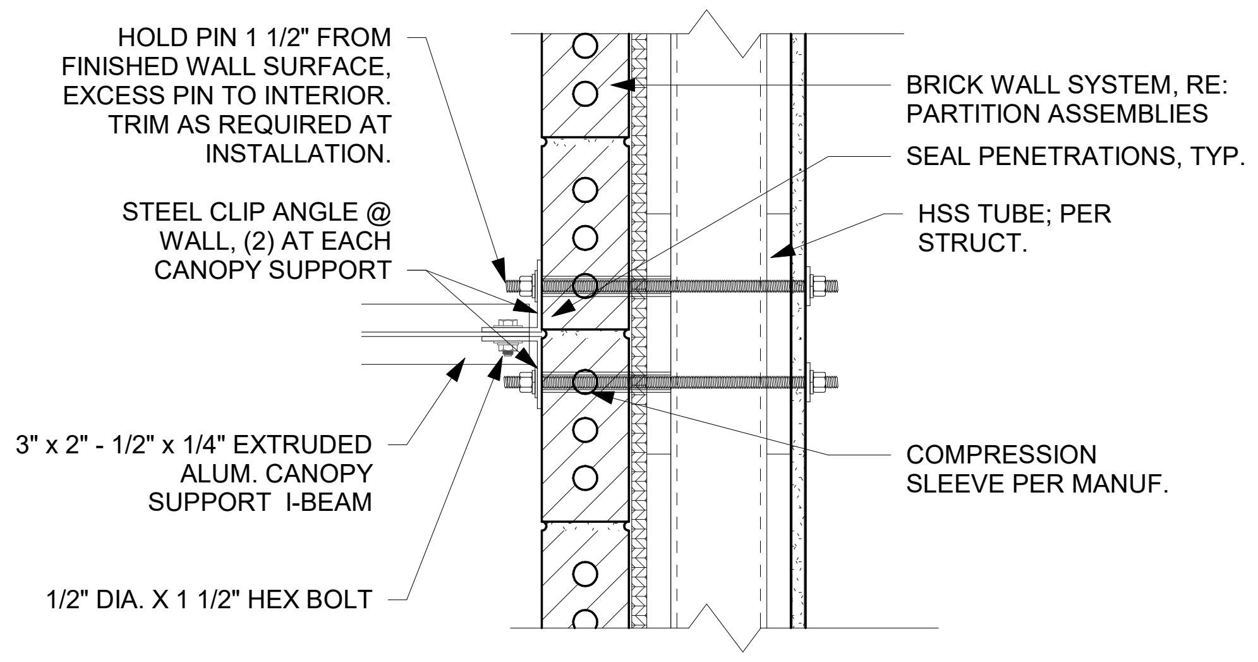

NOTE: COLUMN FURR OUT TO BE LEFT OPEN TO CEILING ABOVE
P64
PROVIDE EXTERIOR CORNER GUARD, TYP.
INFILL STUD CAVITY AND OPENING WITH BATT INSULATION
EXTERIOR RATED 5/8" GYP. ON 3 5/8" MTL STUD
WRAP SANITARY W/ PIPE WRAP INSULATION; RE: PLUM. FOR PIPE SIZING
18 GA CONT. TRACK AT TOP AND BOTTOM OF COLUMN
1/4" MAX GAP AT TRANSITION AND FIRE CAULK ALL SIDES
HSS COLUMN ON CONCRETE PODIUM BASE, RE: STRUCTURAL
FIREPROOFING SPRAYFOAM AT COLUMN
2'-6"
1'-11"
7"
7"
7"
1'-2"
1

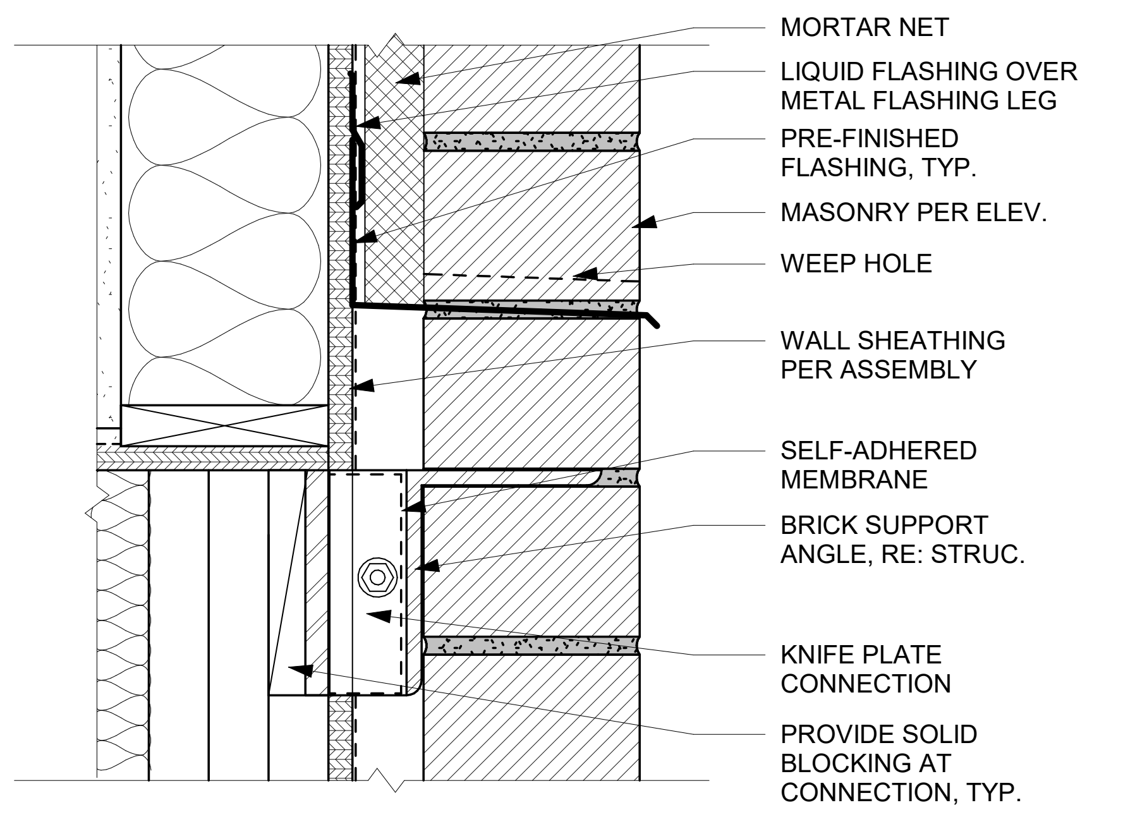
C4 FUR OUT AT COLUMN (PLAN)
1 1/2" = 1'-0"


SEAL AT ALL PENETRATIONS, TYP.
6"x6"x.090" SQUARE WALL PLATE PER MANUF.
5/8" DIA. EYE NUT PER MANUF.
ALUM. T-BAR CONNECTION PER MANUF.
3"x2.5"x .25" ALUM. I-BEAM SUPPORT PER MANUF.
8"x .125" ALUM. "J" CHANNEL (4 SIDES) PER MANUF.
B.O. CANOPY 111' - 0"
1' - 0" TYP.
30 DEG. TYP.
3
PROJECTION
3"x 6" INTERLOCKING FLAT SOFFIT EXTRUDED ALUMINUM DECKING PER MANUF.
HSS TUBE; PER STRUCT.
BRICK WALL SYSTEM, RE: PARTITION ASSEMBLIES
HSS TUBE; PER STRUCT.
PREMANUFACTURED METAL CANOPY, RE: SPEC. & EXTERIOR ELEVATIONS
HEADER PER STRUCT., INSULATED
PRE-FINISHED FLASHING W/ DRIP EDGE, TYP.
STOREFRONT HEAD 110' - 0"
EXTERIOR STOREFRONT/DOOR

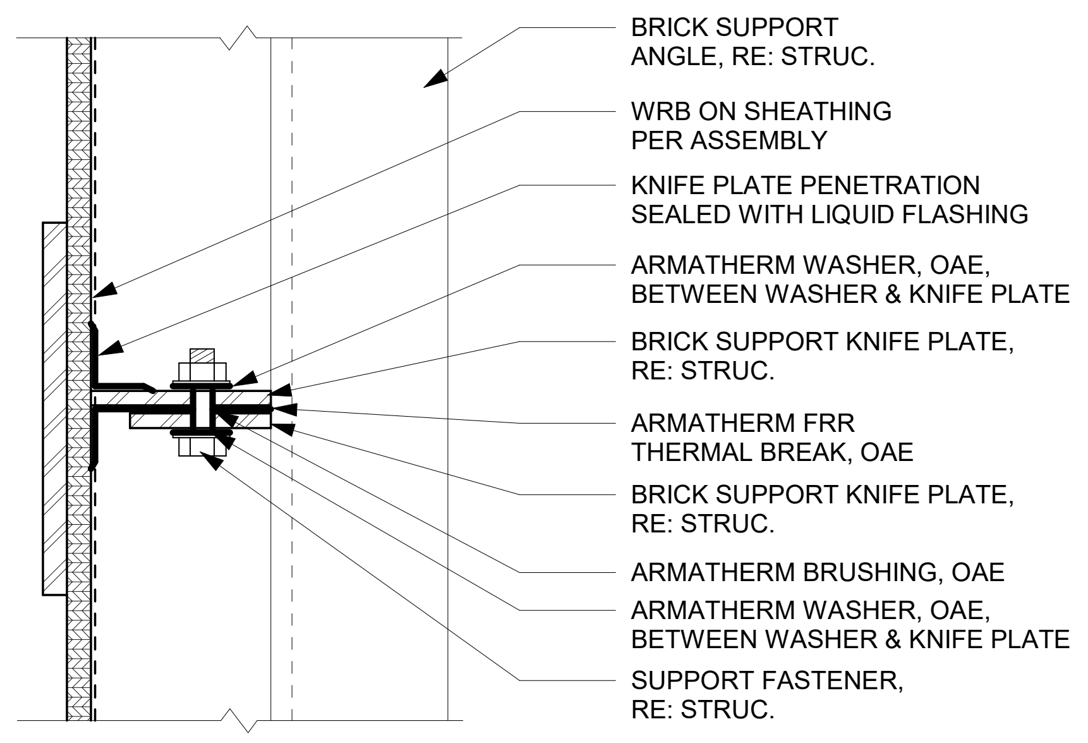
C2 CANOPY @ STEEL (SECTION)
1" = 1'-0"


HOLD PIN 1 1/2" FROM FINISHED WALL SURFACE, EXCESS PIN TO INTERIOR. TRIM AS REQUIRED AT INSTALLATION.
STEEL CLIP ANGLE @ WALL, (2) AT EACH CANOPY SUPPORT
3" x 2" - 1/2" x 1/4" EXTRUDED ALUM. CANOPY SUPPORT I-BEAM
1/2" DIA. X 1 1/2" HEX BOLT
BRICK WALL SYSTEM, RE: PARTITION ASSEMBLIES
SEAL PENETRATIONS, TYP.
HSS TUBE; PER STRUCT.
COMPRESSION SLEEVE PER MANUF.

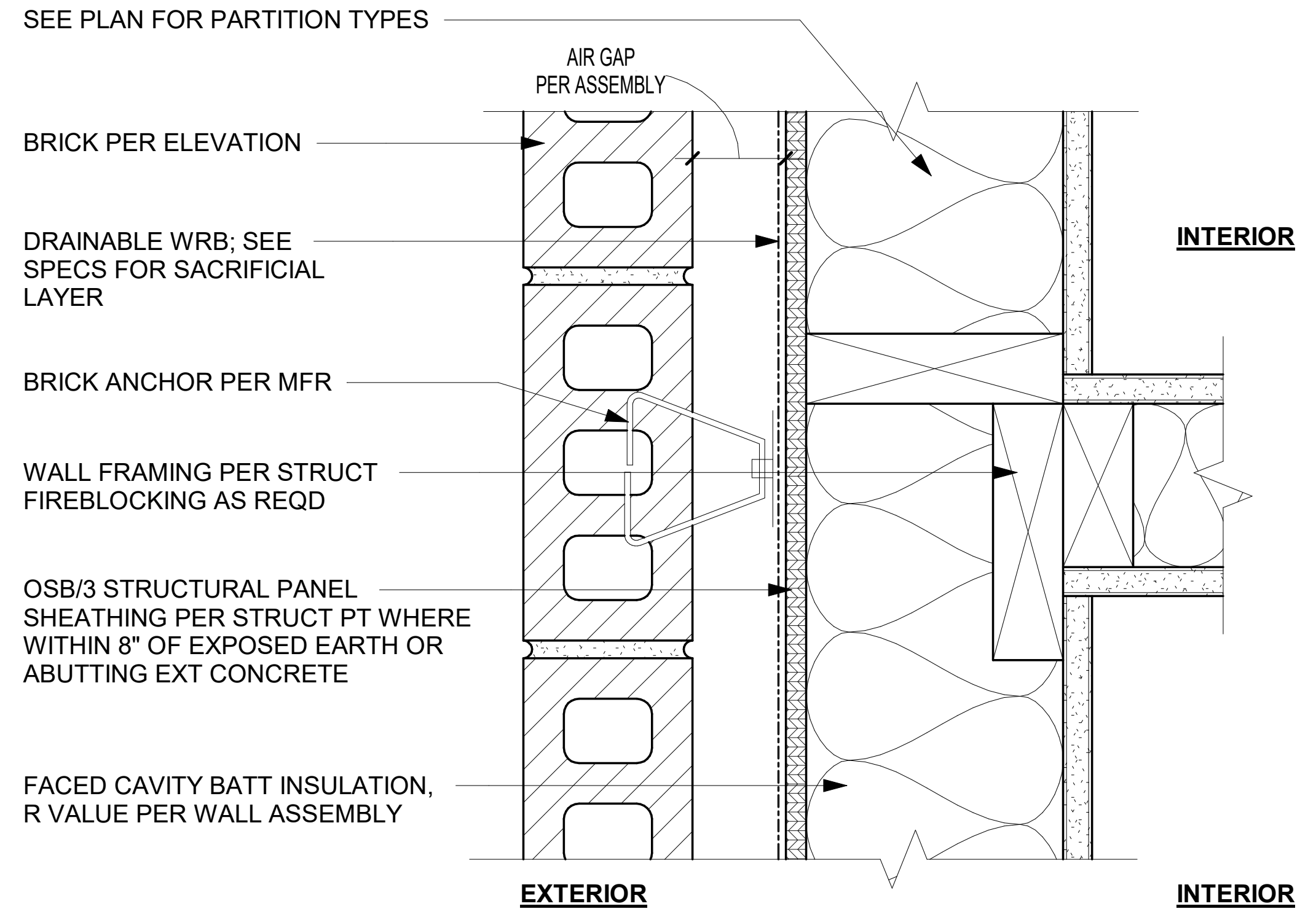
C1 CANOPY DETAIL @ STEEL (PLAN)
1 1/2" = 1'-0"


MORTAR NET
LIQUID FLASHING OVER METAL FLASHING LEG
PRE-FINISHED FLASHING, TYP.
MASONRY PER ELEV.
WEEP HOLE
WALL SHEATHING PER ASSEMBLY
SELF-ADHERED MEMBRANE
BRICK SUPPORT ANGLE, RE: STRUC.
KNIFE PLATE CONNECTION
PROVIDE SOLID BLOCKING AT CONNECTION, TYP.

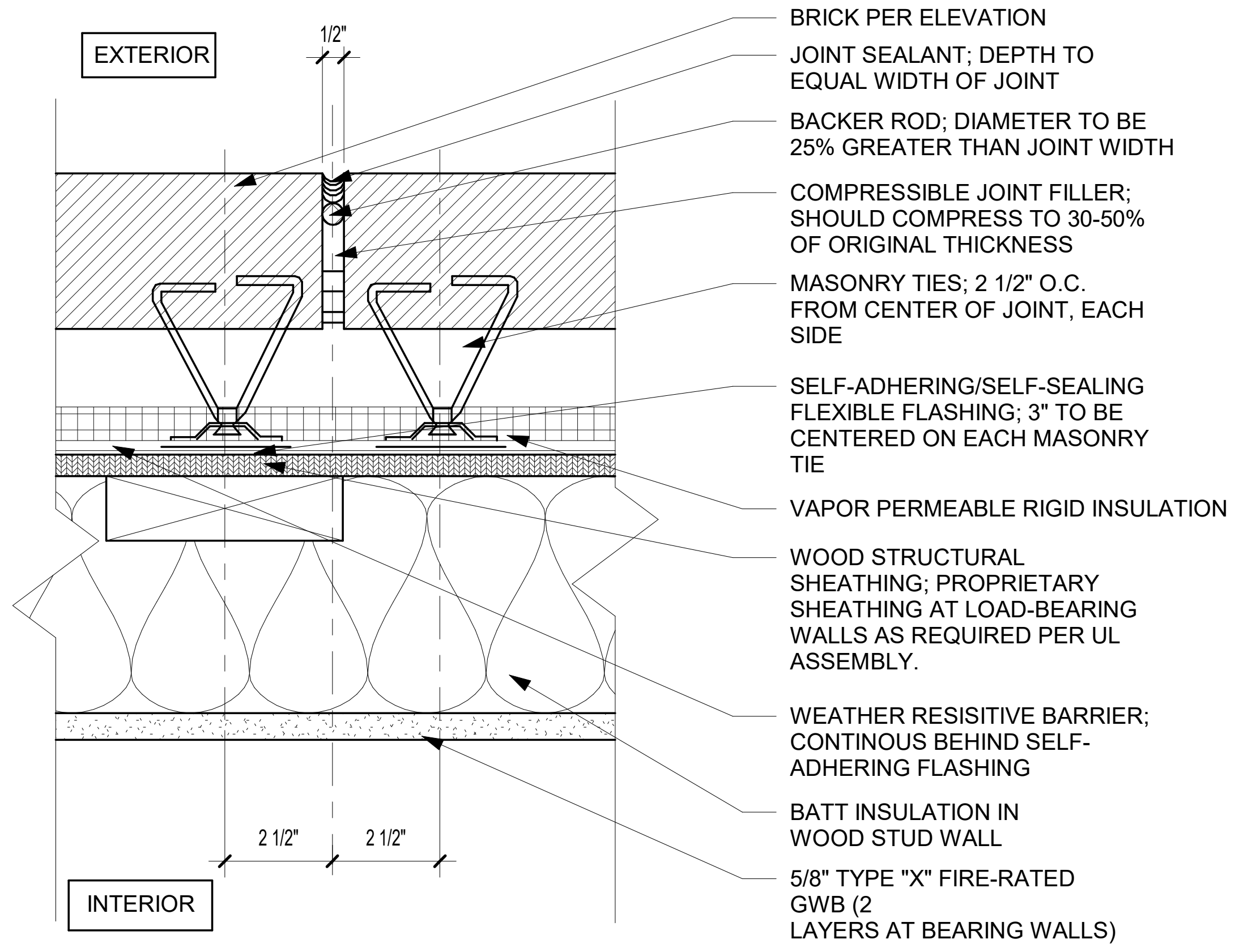
B4 BRICK SUPPORT ANGLE
N.T.S.


BRICK SUPPORT ANGLE, RE: STRUC.
WRB ON SHEATHING PER ASSEMBLY
KNIFE PLATE PENETRATION SEALED WITH LIQUID FLASHING
ARMATHERM WASHER, OAE, BETWEEN WASHER & KNIFE PLATE
BRICK SUPPORT KNIFE PLATE, RE: STRUC.
ARMATHERM FRR THERMAL BREAK, OAE
BRICK SUPPORT KNIFE PLATE, RE: STRUC.
ARMATHERM BRUSHING, OAE
ARMATHERM WASHER, OAE, BETWEEN WASHER & KNIFE PLATE
SUPPORT FASTENER, RE: STRUC.

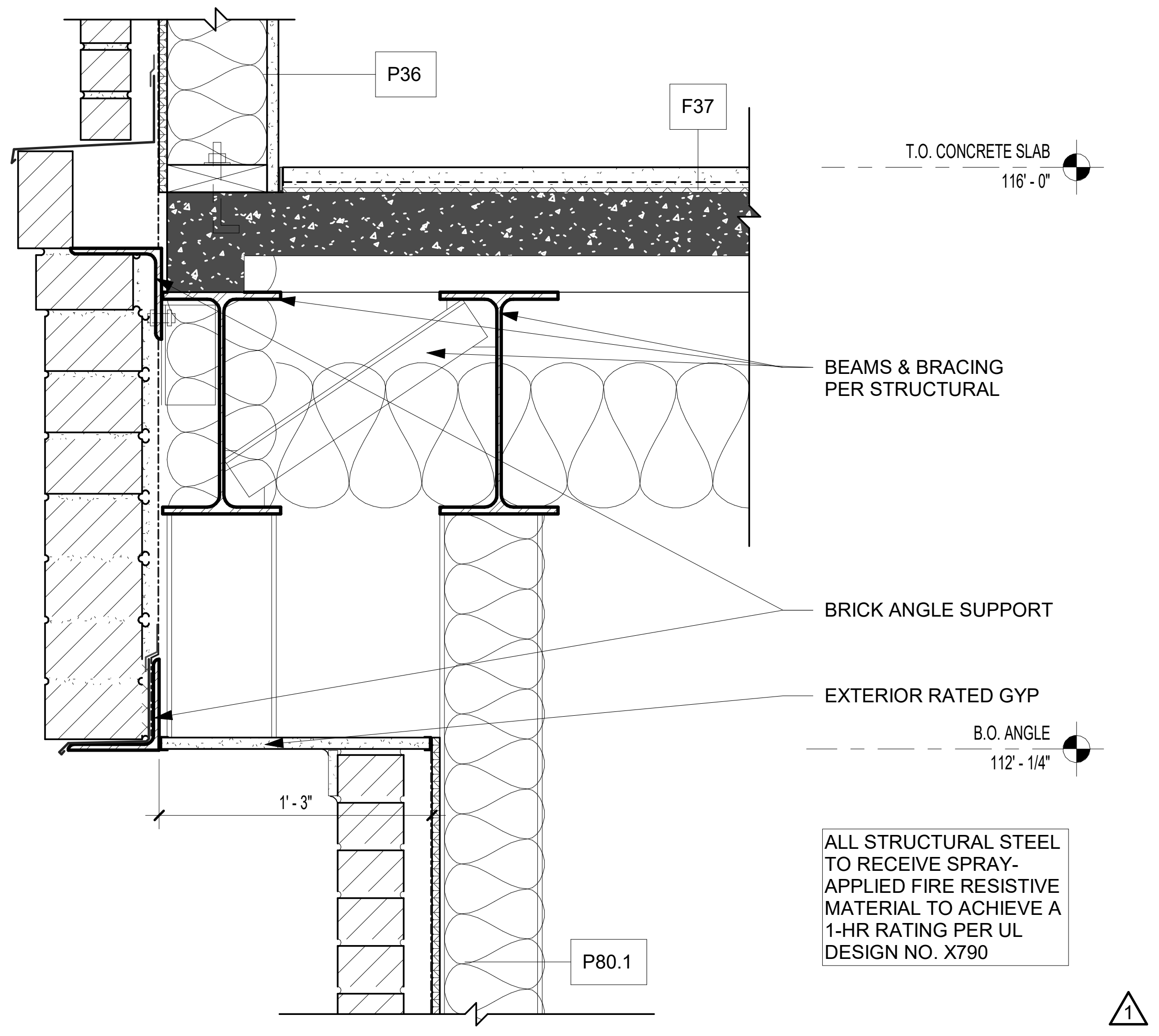
B3 KNIFE PLATE CONNECTION
N.T.S.


SEE PLAN FOR PARTITION TYPES
AIR GAP PER ASSEMBLY
BRICK PER ELEVATION
DRAINABLE WRB; SEE SPECS FOR SACRIFICIAL LAYER
BRICK ANCHOR PER MFR
WALL FRAMING PER STRUCT FIREBLOCKING AS REQD
OSB/3 STRUCTURAL PANEL SHEATHING PER STRUCT PT WHERE WITHIN 8" OF EXPOSED EARTH OR ABUTTING EXT CONCRETE
FACED CAVITY BATT INSULATION, R VALUE PER WALL ASSEMBLY
INTERIOR
EXTERIOR
INTERIOR

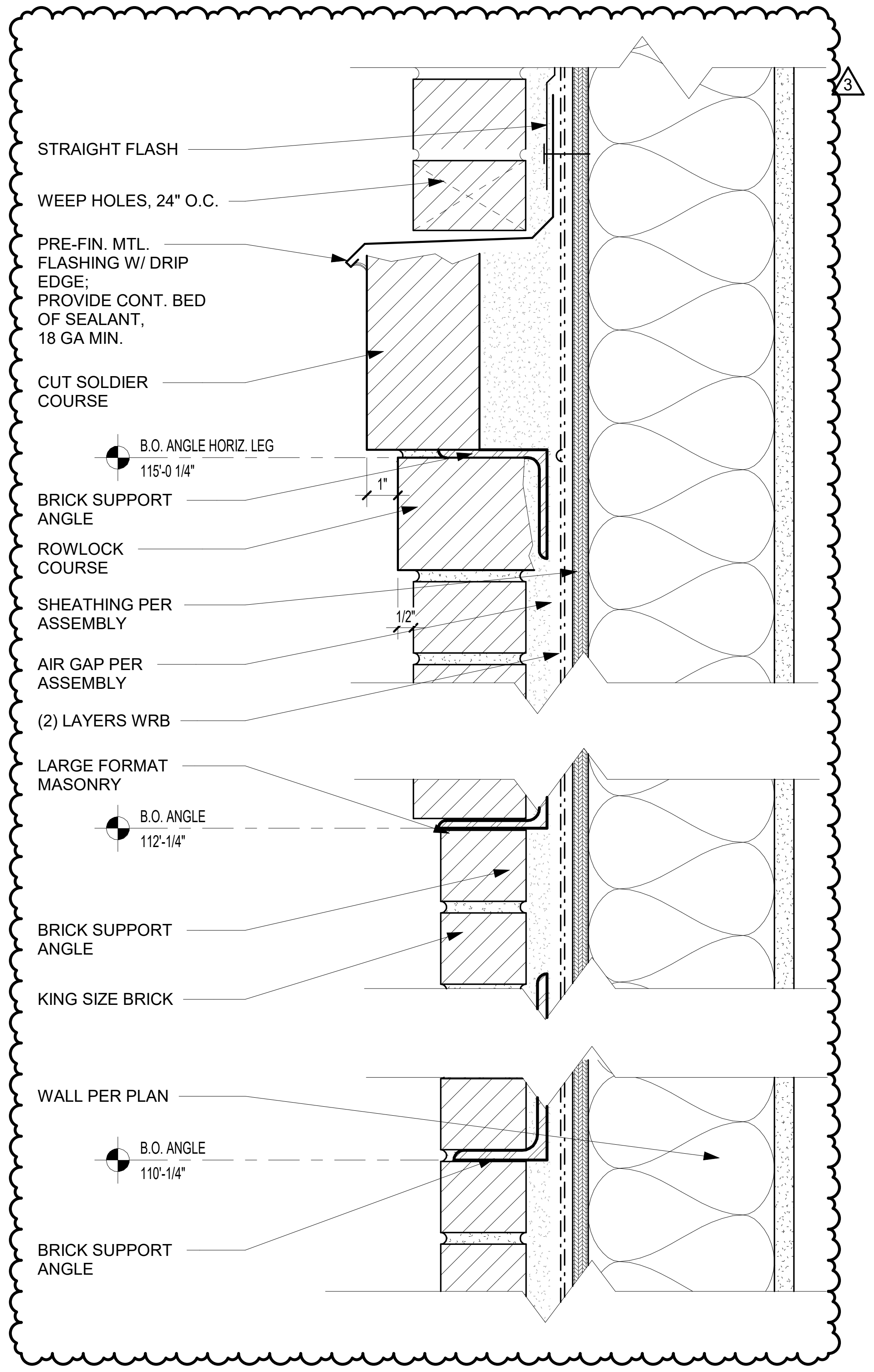
B2 BRICK - INTERIOR PARTITION TO EXTERIOR WALL (PLAN)
3" = 1'-0"


EXTERIOR
1/2"
BRICK PER ELEVATION
JOINT SEALANT; DEPTH TO EQUAL WIDTH OF JOINT
BACKER ROD; DIAMETER TO BE 25% GREATER THAN JOINT WIDTH
COMPRESSIBLE JOINT FILLER; SHOULD COMPRESS TO 30-50% OF ORIGINAL THICKNESS
MASONRY TIES; 2 1/2" O.C. FROM CENTER OF JOINT, EACH SIDE
SELF-ADHERING/SELF-SEALING FLEXIBLE FLASHING; 3" TO BE CENTERED ON EACH MASONRY TIE
VAPOR PERMEABLE RIGID INSULATION
WOOD STRUCTURAL SHEATHING; PROPRIETARY SHEATHING AT LOAD-BEARING WALLS AS REQUIRED PER UL ASSEMBLY.
WEATHER RESISTIVE BARRIER; CONTINOUS BEHIND SELF-ADHERING FLASHING
BATT INSULATION IN WOOD STUD WALL
5/8" TYPE "X" FIRE-RATED GWB (2 LAYERS AT BEARING WALLS)
2 1/2"
2 1/2"
INTERIOR

B1 WALL/EXTERIOR - WOOD STUD/BRICK @ VERTICAL CONTROL JOINT (PLAN)
3" = 1'-0"


P36
F37
T.O. CONCRETE SLAB 116' - 0"
BEAMS & BRACING PER STRUCTURAL
BRICK ANGLE SUPPORT
EXTERIOR RATED GYP
B.O. ANGLE 112' - 1/4"
1' - 3"
ALL STRUCTURAL STEEL TO RECEIVE SPRAY-APPLIED FIRE RESISTIVE MATERIAL TO ACHIEVE A 1-HR RATING PER UL DESIGN NO. X790
P80.1
1

A3 BRICK OVERHANG AT BUMPOUT AT PARKING
1 1/2" = 1'-0"



1 WALL/EXTERIOR - BRICK BAND DETAIL
3" = 1'-0"

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01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/24	ADDENDUM #1
3	12/20/24	ADDENDUM #3

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Kansas City, MO 64108-1404
p: 816.472.1448

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DAVID EUGENE HENDRIKSE
NUMBER A-7305
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
BRICK DETAILS

PROJECT NUMBER: 23099

SHEET NUMBER:

A-503

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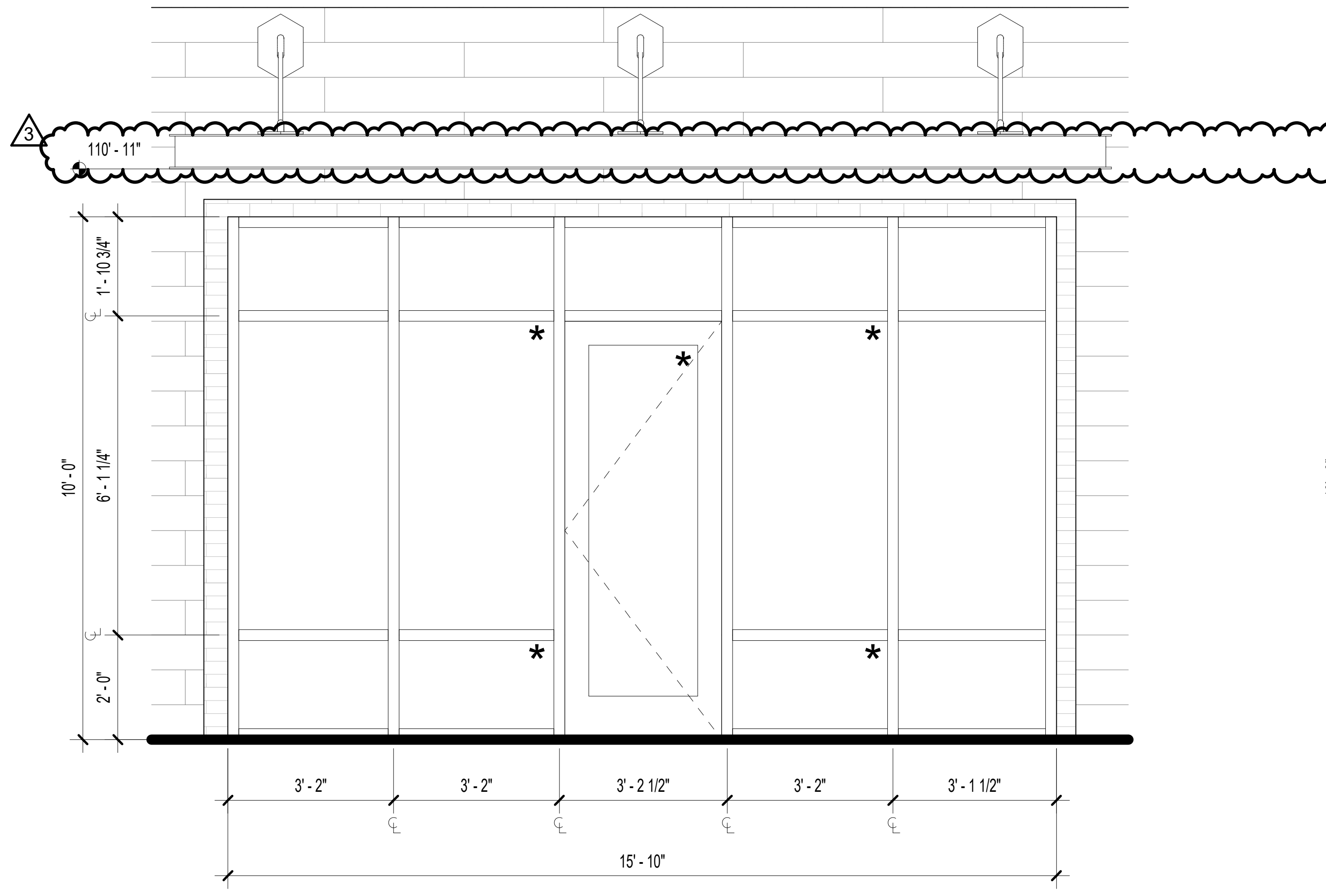
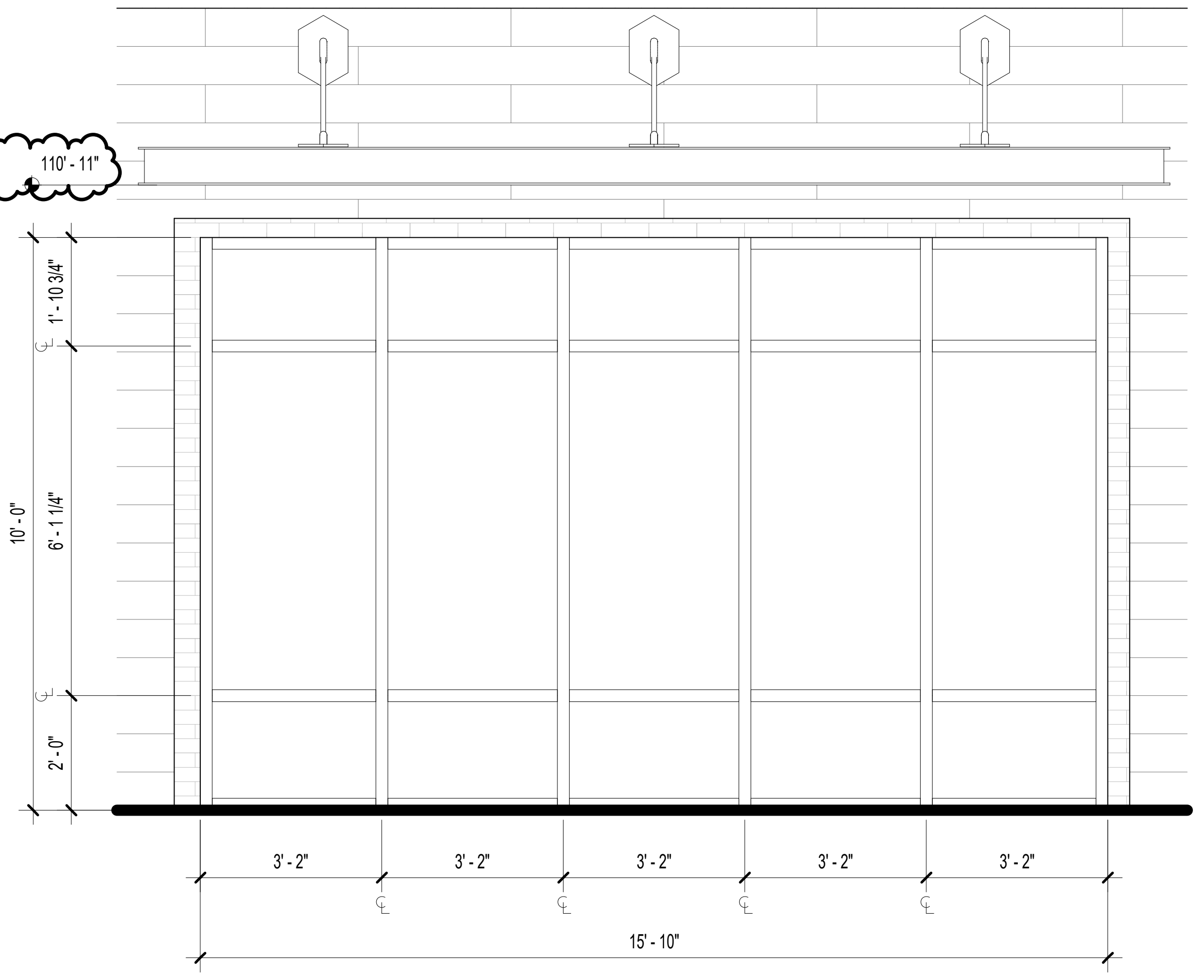
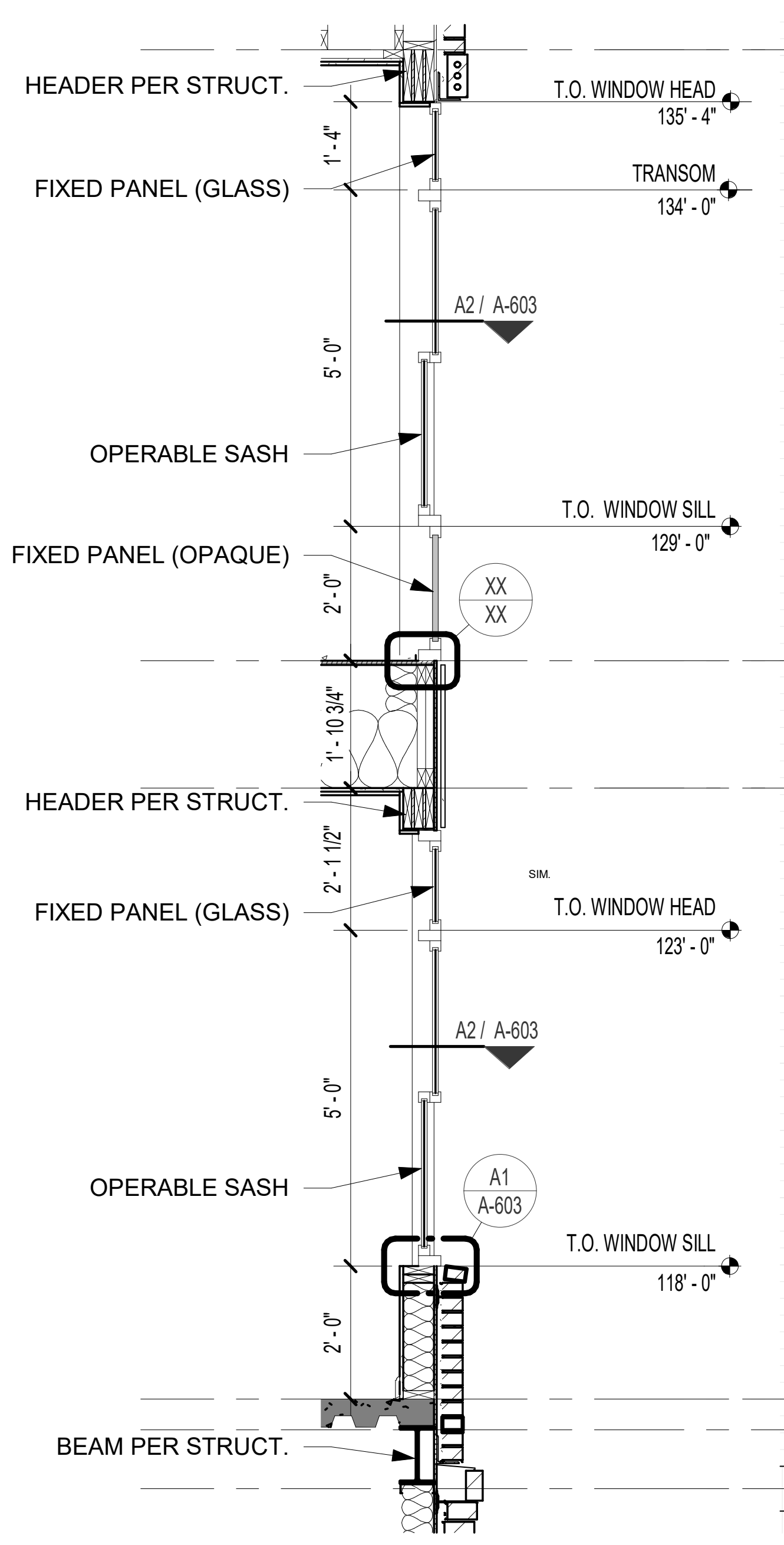


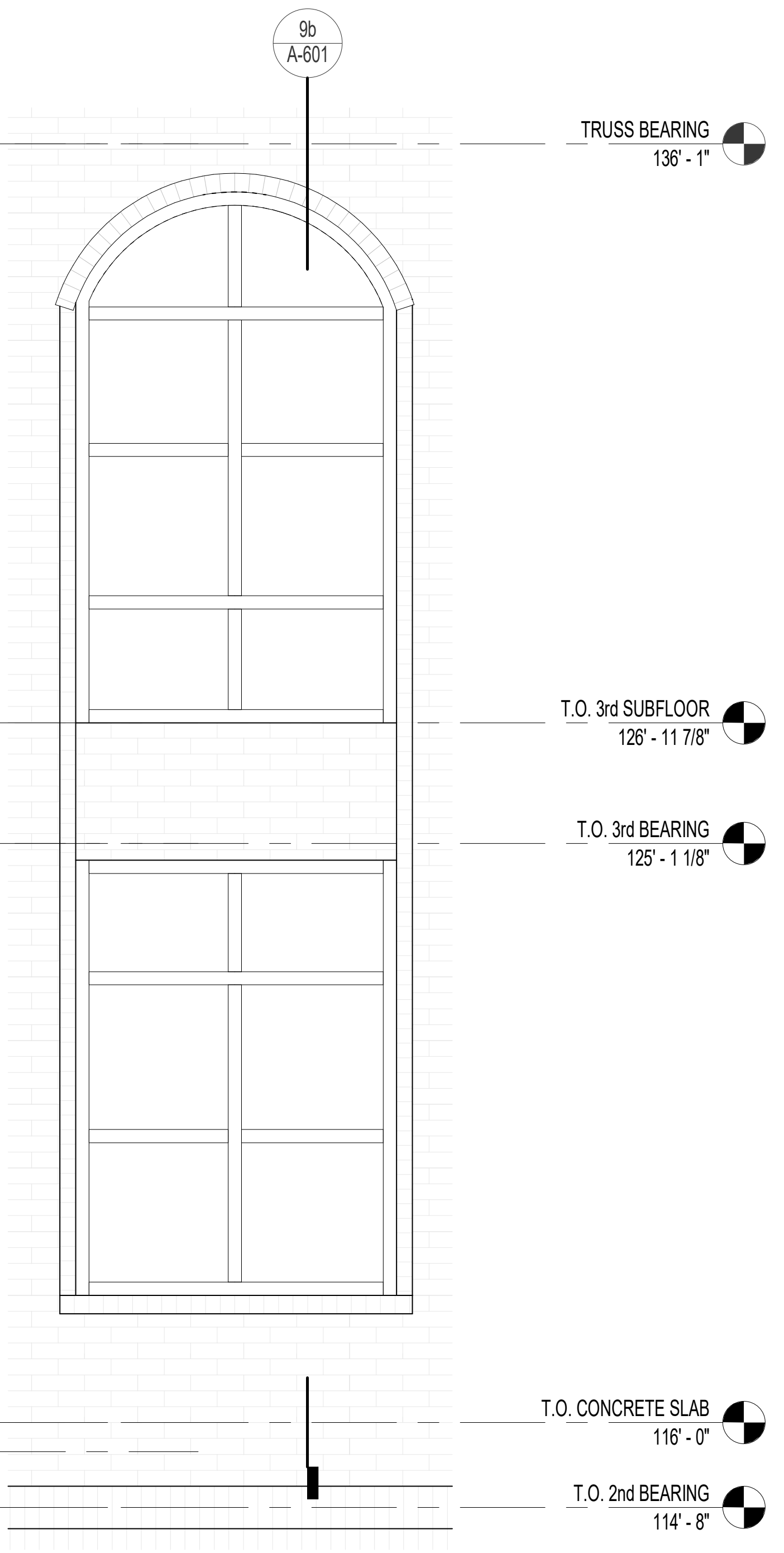
8 SF - 5 PANEL W/ DOOR
3/8" = 1'-0"



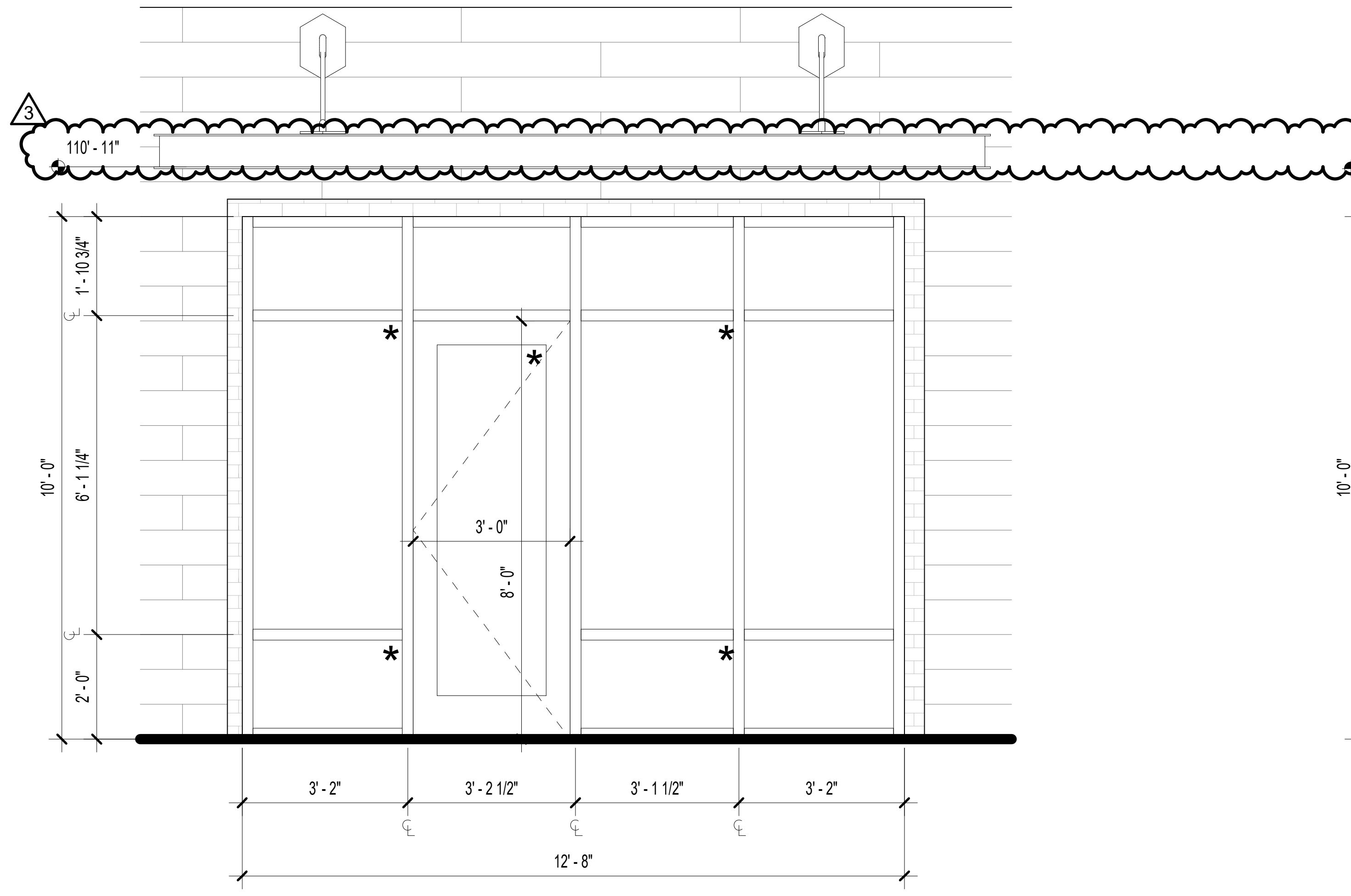
7 SF - 5 PANEL
3/8" = 1'-0"



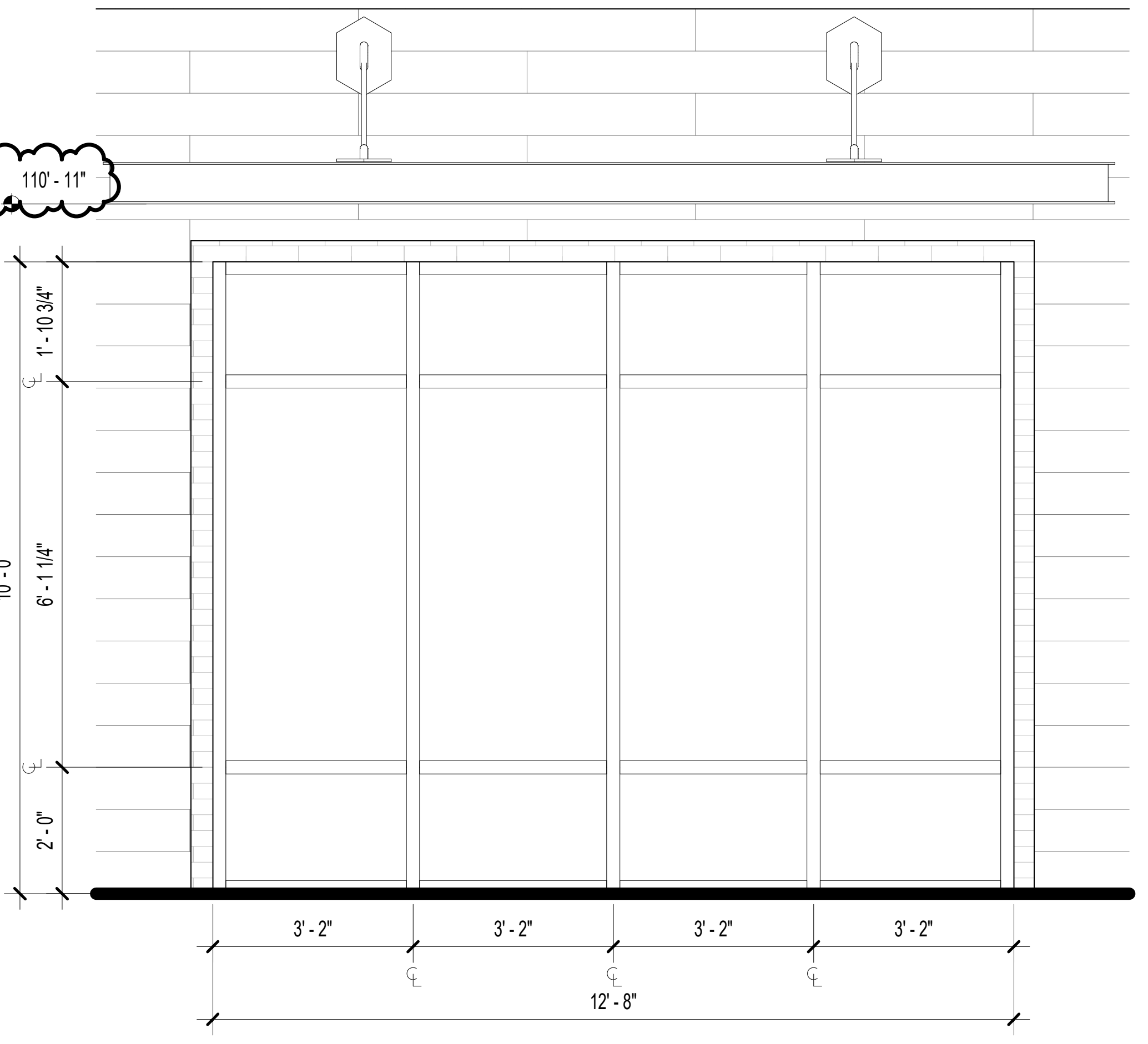
9b SECTION
3/8" = 1'-0"



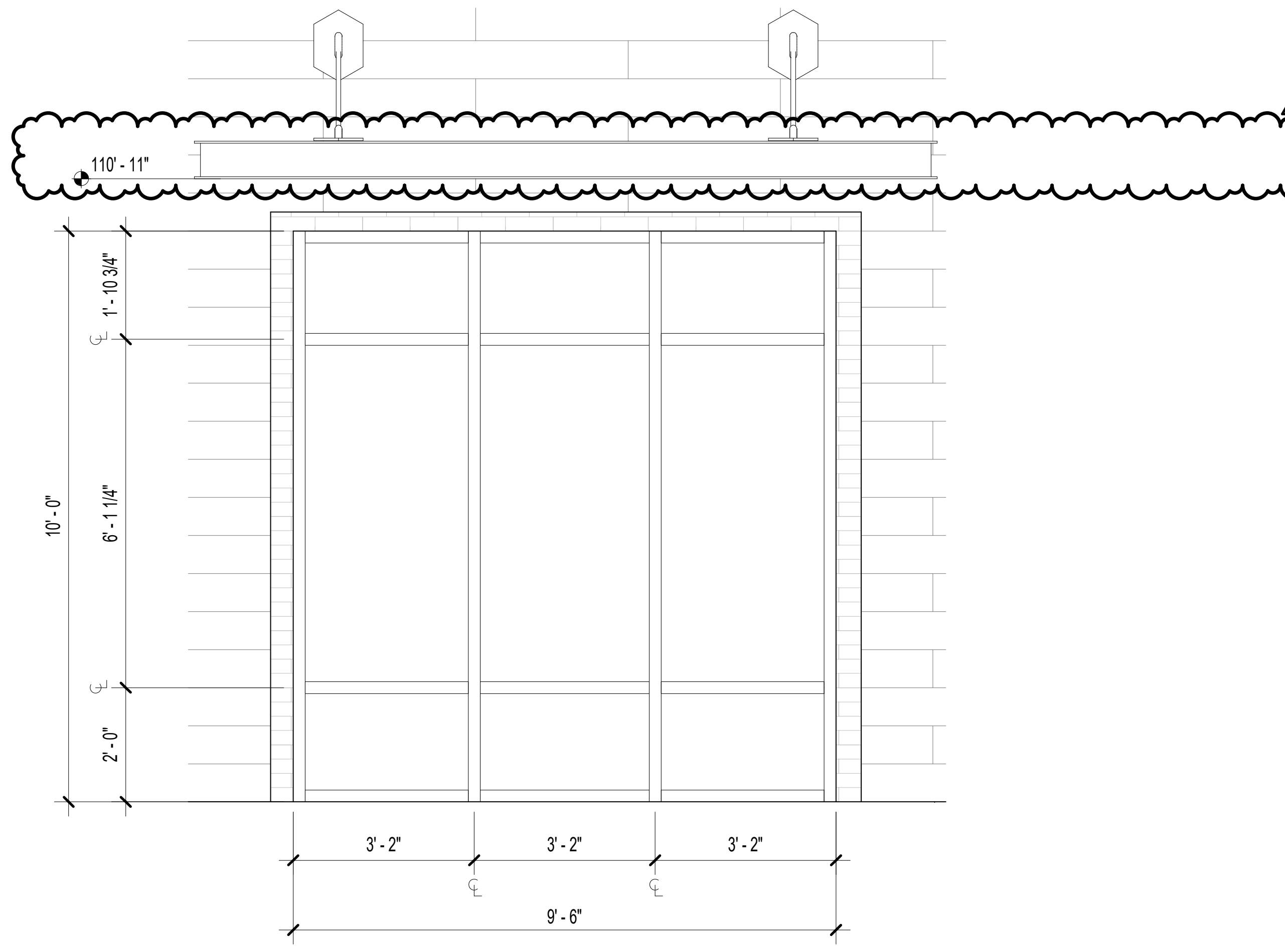
9a SF - UPPER FLOORS (WINDOW C) - ELEVATION
3/8" = 1'-0"



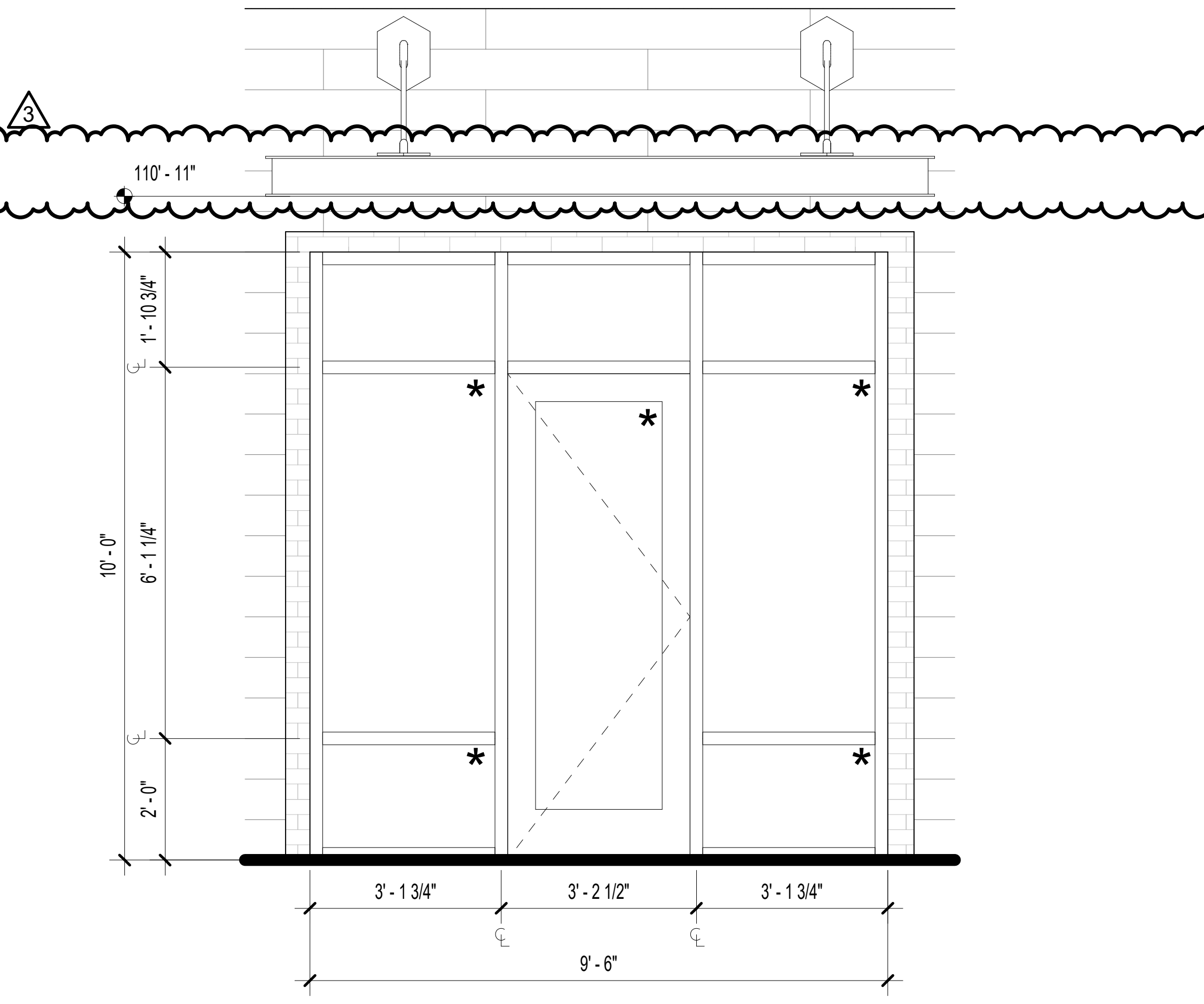
6 SF - 4 PANEL W/ DOOR
3/8" = 1'-0"



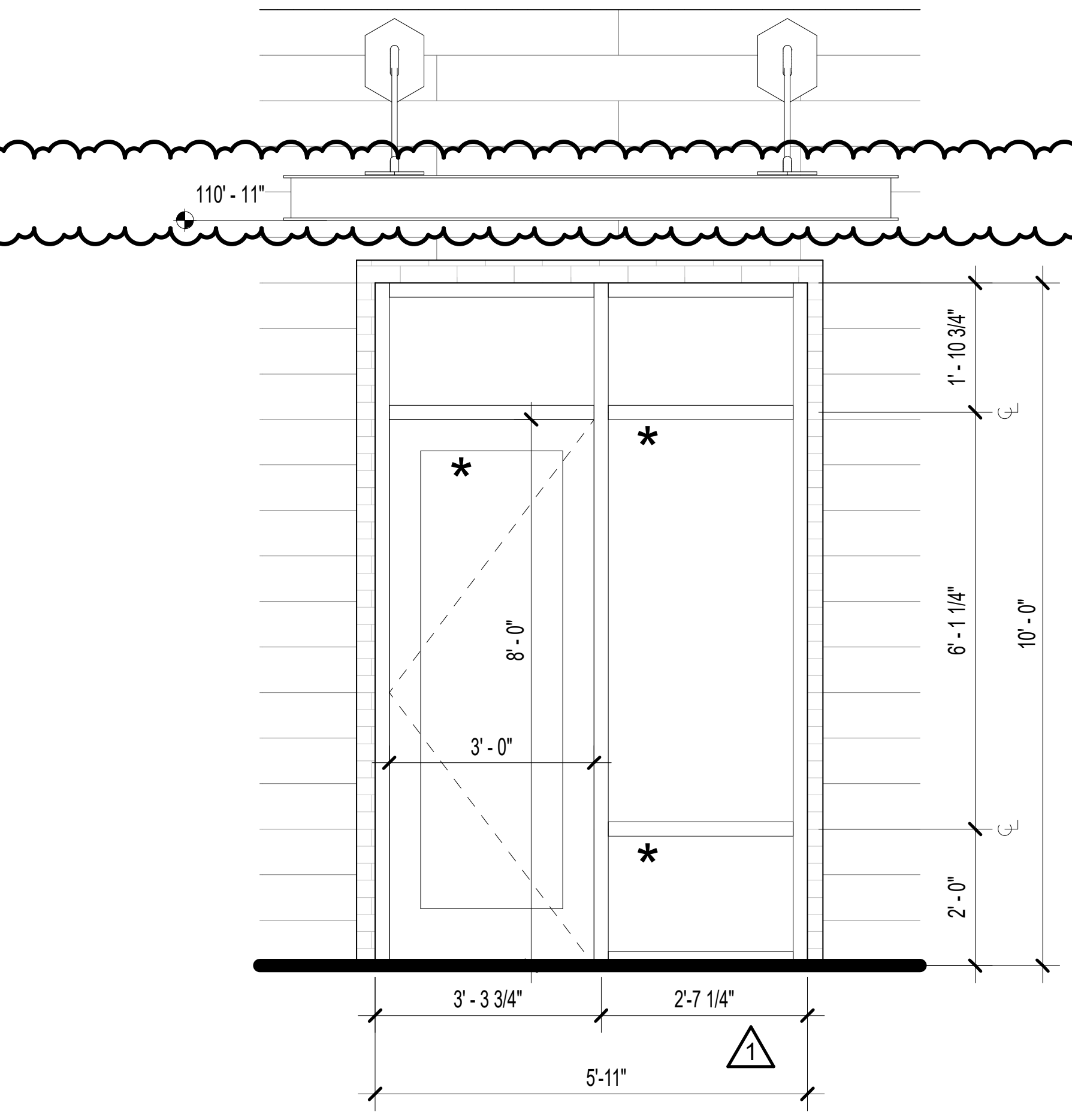
5 SF - 4 PANEL
3/8" = 1'-0"



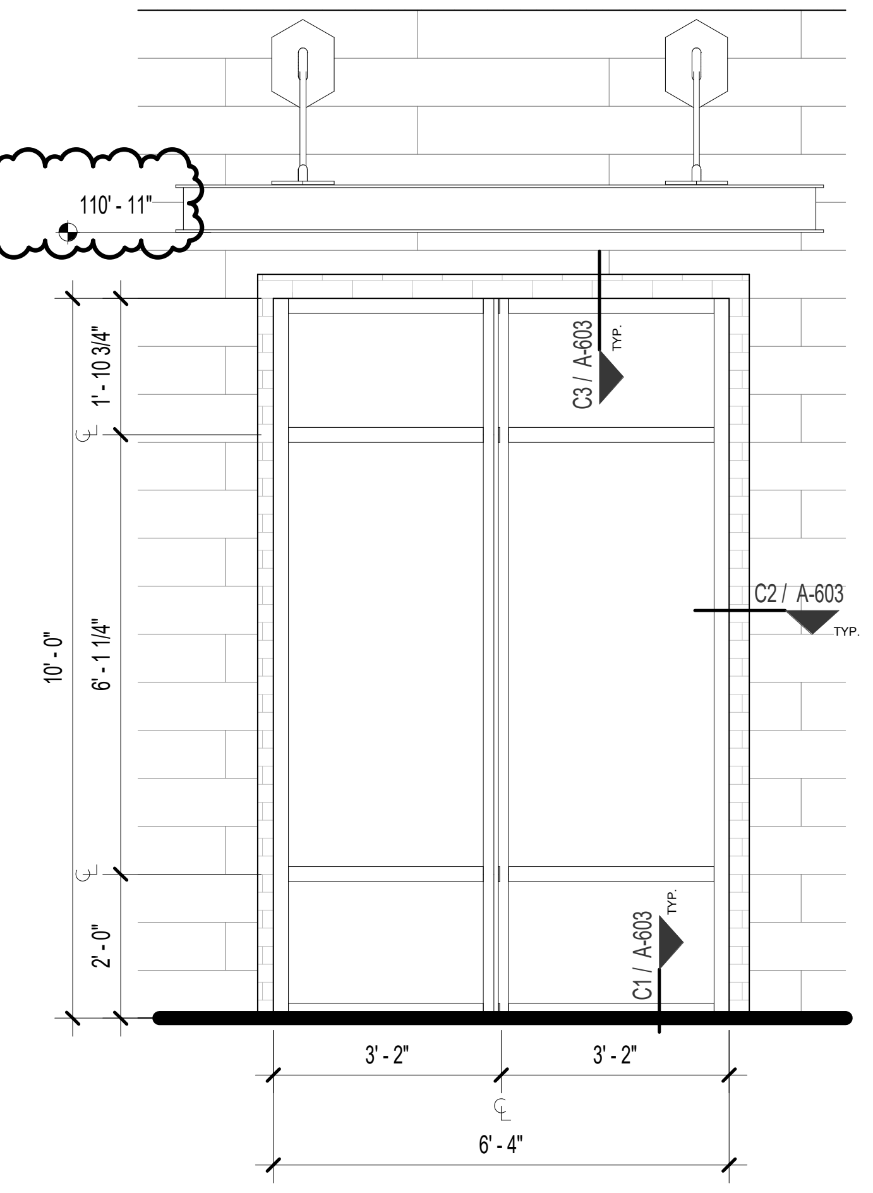
4 SF - 3 PANEL
3/8" = 1'-0"



3 SF - 3 PANEL W/ DOOR
3/8" = 1'-0"



2 SF - 2 PANEL W/ DOOR
3/8" = 1'-0"



1 SF - 2 PANEL
3/8" = 1'-0"

PRINTS ISSUED
01/25/2024 - CITY SUBMITTAL

REVISIONS:

1	10/21/24	ADDENDUM #1
3	12/20/24	ADDENDUM #3

rosemann & ASSOCIATES p.c.
ARCHITECTURE
INTERIOR DESIGN
ENGINEERING
PLANNING
1526 Grand Boulevard
Kansas City, MO 64108-1404
p: 816.472.1448
w: www.rosemann.com

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DAVID EUGENE HENDRIKSE
NUMBER A-7305
12/20/24

THE VILLAGE AT DISCOVERY - LOT 4

LEE'S SUMMIT, MO

SHEET TITLE
TYPICAL STOREFRONT ELEVATIONS

PROJECT NUMBER: 23099

SHEET NUMBER:

A-601