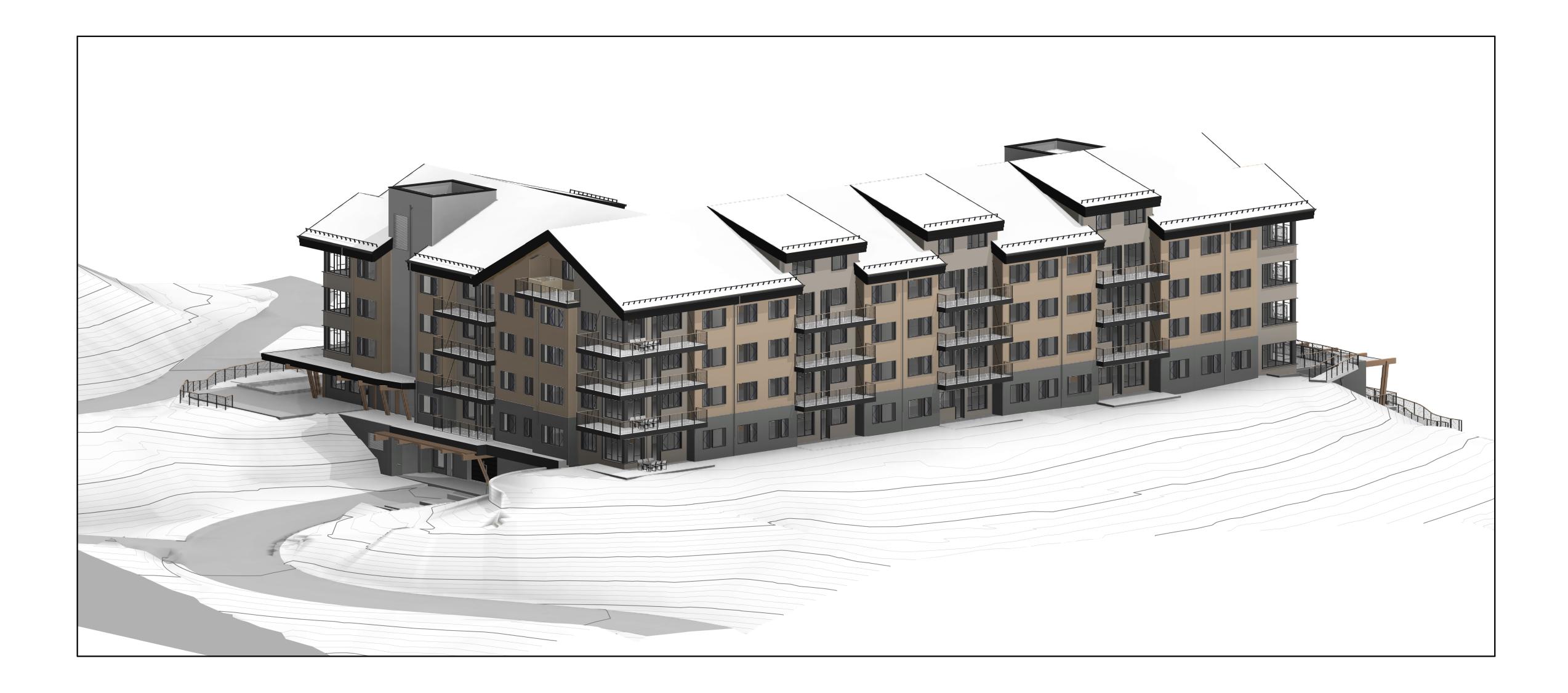
THE AMBLE

2305 MT. WERNER CIRCLE STEAMBOAT SPRINGS, COLORADO

IFC SUBMITTAL

SUBMITTED BY: 359 DESIGN 03/15/2024







PROJECT TEAM:

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LIGHTING DESIGN:

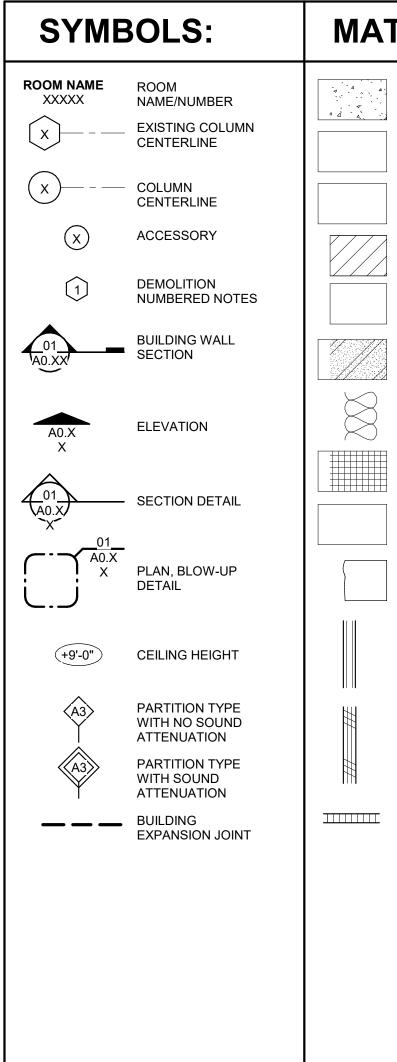
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COLORADO POOL DESIGNS CONTACT: ANDY LACELLE ANDY@COLORADOPOOLDESIGNS.COM



CEILING SYMBOLS

	GYP BD CEILING	
	SUPPLY AIR	
	RETURN AIR	(s) D (S)
\ge	EXHAUST AIR	•
\square	ACCESS PANEL	•
	FLUORESCENT LIGHT	
	SUSPENDED LIGHT	- Ò -
••	SUSPENDED FLUORESCENT LIGHT	0
Ð	CHANDELIER	

MATERIALS:

CONCRETE/ PRECAST CONCRETE

SOIL

SAND, EIFS FINISH COAT

BRICK

CMU

STONE

FIBERGLASS BATT INSULATION

XPS RIGID INSULATION

FOIL-FACED POLYISO **RIGID INSULATION**

ccSPF - CLOSED CELL SPRAY POLYISO FOAM INSULATION

GYPSUM BOARD OR FIBERGLASS-REINFORCED GYPSUM BOARD

PLYWOOD

COVER BOARD

GENERAL NOTES:

- DO NOT SCALE DRAWINGS. LARGE SCALE DETAILS SHALL GOVERN OVER SMALL SCALE DETAILS. SPECIFICATIONS GOVERN ALL. COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL (COLLECTIVELY AUTHORITIES HAVING
- JURISDICTION) CODES, ORDINANCES, REGULATIONS, LAWS, STATUTES, GUIDELINES, AND REQUIREMENTS. CHECK AND VERIFY CONTRACT DOCUMENTS WITH FIELD CONDITIONS PRIOR TO COMMENCING WITH
- WORK. CONTRACTOR TO ISSUE COMPLETE SET OF CONTRACT DOCUMENTS TO EACH SUBCONTRACTOR FOR COORDINATION OF WORK AND DESCRIPTION OF SCOPE THERE SHALL BE NO SUBSTITUTION OF MATERIALS WHERE A MANUFACTURER IS SPECIFIED. WHERE
- THE TERM "OR EQUAL" IS USED THE ARCHITECT ALONE SHALL DETERMINE EQUALITY BASED ON INFORMATION SUBMITTED BY THE CONTRACTOR. REFER TO STRUCTURAL DRAWINGS FOR ALL REINFORCING.
- ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND NON-STRUCTURAL SYSTEMS, COMPONENTS AND ELEMENTS PERMANENTLY ATTACHED TO STRUCTURES, INCLUDING SUPPORTING STRUCTURES AND ATTACHMENTS AND NON-BUILDING STRUCTURES THAT ARE SUPPORTED BY OTHER STRUCTURES, SHALL MEET THE REQUIREMENTS PER 2018 IBC CHAPTER 16 AND ASCE 7-02 SECTION 9.6 COORDINATE DESIGN WITH ARCHITECT AND ENGINEER OF RECORD.
- WHERE MANUFACTURER'S RECOMMENDED DETAILS DIFFER FROM THE CONTRACT DOCUMENTS. GENERAL CONTRACTOR TO IDENTIFY AND SUBMIT RFI TO ARCHITECT FOR CLARIFICATION.
- PROTECT IN-PLACE WORK FROM DAMAGE DURING CONSTRUCTION. RESTORE DAMAGED AREAS AND PRODUCTS TO ORIGINAL CONDITION AT NO COST TO THE OWNER. D. NOTIFY AUTHORITIES HAVING JURISDICTION AS REQUIRED BY GOVERNING LAWS AND REGULATIONS TO INSPECT IN-PLACE WORK PRIOR TO COVERING WITH SUBSEQUENT ACTIVITY.
- 1. ANY NOTES ON ANY ONE DRAWING OR SHEET APPLY TO ALL OTHER SIMILAR DRAWINGS AND SHEETS. 12. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER AND QUALITY TO THOSE DETAILED. WHERE SPECIFIED DIMENSIONS OR DETAILS CANNOT BE DETERMINED, NOTIFY ARCHITECT IMMEDIATELY FOR CLARIFICATION, PRIOR TO PROCEEDING WITH WORK.
- 3. INDICATED WALL AND PARTITION TYPE MEANS FOR ENTIRE WALL, U.N.O. 14. INDICATED WALL AND PARTITION FINISH MEANS FOR ENTIRE WALL AND PARTITION, UNLESS INDICATED OTHERWISE.
- 15. FLOOR AND ROOF ELEVATIONS ARE TO TOP OF STRUCTURAL FLOOR AND ROOF DECK, UNLESS INDICATED OTHERWISE.
- 6. COORDINATE PLACEMENT OF CEILING MOUNTED ITEMS WITH MECHANICAL, ELECTRICAL, AND FIRE PROTECTION. 7. PROVIDE UL-LISTED DESIGNS AT PENETRATIONS THROUGH FIRE-RATED CONSTRUCTION AND AT
- JOINTS OF FIRE-RATED CONSTRUCTION WITH OTHER WORK. 8. COORDINATE LOCATION AND SIZE OF EQUIPMENT BASE AND "HOUSEKEEPING PADS" WITH MECHANICAL, PLUMBING, AND ELECTRICAL WORK.

DEVELOPMENT PLANT SUBM FOR:

ALSO KNOWN AS:

PROJECT SUMMARY TABLE GROSS FLOOR AREA: NET FLOOR AREA: UNIT SIZE (AVERAGE): NUMBER OF UNITS: ZONING: FRONTAGE:

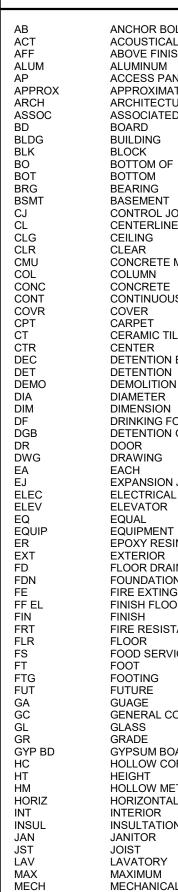
USE BREAKDOWN: PRINCIPAL USE

ACCESSORY USE(S)

STANDARDS:

LOT AREA LOT COVERAGE FLOOR AREA RATIO **OVERALL BUILDING HEIGHT** AVERAGE PLATE HEIGHT FRONTAGE AREA HEIGHT FRONT SETBACK PORCH (FRONT SETBACK) SIDE SETBACK UPPER STORY SETBACK REAR SETBACK SECOND STORY INTENSITY

PARKING **BIKE PARKING** SNOW STORAGE



WALL MOUNTED FLUORESCENT FIXTURE

EXIT SIGNS - HATCH INDICATES EXIT TEXT AND ARROW

INDICATES DIRECTION SMOKE DETECTOR SPEAKER

PROJECTOR

WALL WASHER

PENDANT TYPE LIGHT FIXTURE

WALL MOUNTED LIGHT FIXTURE DOWNLIGHT

STRIP LIGHT

PROJECT DESCRIPTION:

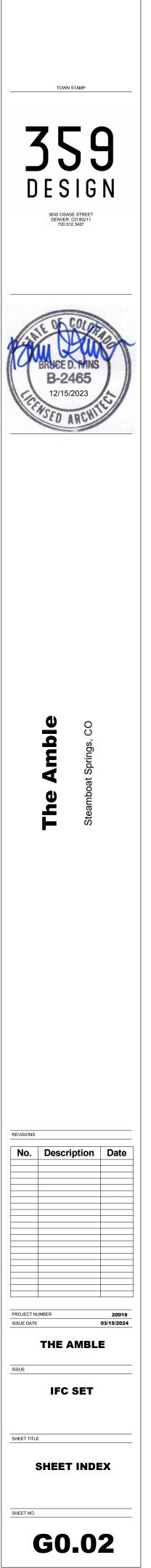
MITTAL	<u></u>		
	2305 MT. WERNER CIRCLE STEAMBOAT SPRINGS, CO 80487 THE AMBLE		
<u>:</u>			
	107,413 GSF 81,026 NSF 1,683 GSF 42 UNITS RR-1 		
	DESCRIPTION:	SQUARE FOOTAGE:	# OF UNITS
	R-2 R-2 (ACCESSORY) S-2 S-1 B	70,662 969 3,090 19,169 3,364	42
	REQUIRED (ZONING:)	PROPOSED:	VARIANCE? (Y/N)
	6,000 SF MIN. 50% MAX (35,561 SF) NO MAX. 63' - 0" NO REQUIREMENT 20' - 0" 15' - 0" 15' - 0" 25' - 0" 15' - 0" NO REQUIREMENT 0.75/UNIT (UNDERGROUND) 1/10 PARKING SPACES = 5 MIN. RE: LANDSCAPE DRAWINGS	71,122 SF 22,128 SF (31.11%) 1.51:1 62' - 1 1/2" 11' - 4" 20' - 0" 15' - 0" 15' - 0" 25' - 0" 15' - 0" 1/UNIT (42) 5 MIN.	N N N N N N N N N N N N N N N N N N N

DRAWING ABBREVIATIONS:

OLT AL TILE CEILING	MEM MFR	MEMBRANE MANUFACTURER
ISH FLOOR	MIN	MINIMUM
	MR	MOISTURE RESISTANT
ANEL	MTL	METAL
ATE	NIC	NOT IN CONTRACT
TURE ED	NO	NUMBER
ED	NOM NTS	NOMINAL NOT TO SCALE
	OA	OVERALL
	OAM	OVERALL MASONRY
F	OC	ON CENTER
	OH	OVERHEAD
r	ORD OS	OVERFLOW ROOF DRAIN OVERFLOW SCUPPER
JOINT	OPG	OPENING
NE	OPOI	OWNER PROVIDED OWNER INST.
	OPCI	OWNER PROVIDED CONTRACTOR INST.
	PC	PRECAST
E MASONRY UNIT	PF	PREFINISHED
=	PJ PL	PANEL JOINT PLATE
- US	PLAM	PLASTIC LAMINATE
	PLMG	PLUMBING
	PNL	PANEL
TLE	PT	PRESSURE TREATED
	PTD	PAPER TOWEL DISPENSER
N EQUIP. CONTRACTOR	REINF REQ	REINFORCED REQUIRED
N	REV	REVISED
	RD	ROOF DRAIN
N	RM	ROOM
FOUNTAIN	RO	ROUGH OPENING
N GRAB BAR	SAP	SECURE PANEL ACCESS
	SC SCHED	SEALED CONCRETE SCHEDULED
	SEC	SECURITY
N JOINT	SECT	SECTION
AL	SHT	SHEET
	SHWR	SHOWER
T	SK SPEC	SINK
T SIN	SPEC	SPECIFICATIONS STAINLESS STEEL
311	STL	STEEL
AIN	STIFF	STIFFENER
NC	STRUCT	STRUCTURAL
IGUISHER	T&G	TONGUE AND GROOVE
OOR ELEVATION	TO	TOP OF
STANT TREATED	TOF TPH	TOP OF FOOTING TOILET PAPER HOLDER
	TS	TUBE STEEL
VICE	TYP	TYPICAL
	UNO	UNLESS NOTED OTHERWISE
	VAR	VARIES
	VB VCT	
CONTRACTOR	VERT	VINYL COMPOSITE TILE VERTICAL
	VIF	VERIFY IN FIELD
	VT	VINYL TILE
OARD	VTR	VENT THROUGH ROOF
ORE	VWC	VINYL WALL COVERING
	W	
IETAL AL	WC WD	WATER CLOSET WOOD
	WDW	WINDOW
ON	WP	WATERPROOF
	WT	WALL TYPE
	WWF	WELDED WIRE FABRIC
AL		

D	3 5 E S	STAMP)
	BRUCE I B-22 12/15/		
	The Amble	Steamboat Springs, CO	
REVISIONS		iption	Date
PROJECT NU ISSUE DATE	THE A	MBLE SET ERAL	
	GO	.01	

IN	DEX OF DRAWINGS							LEGEND	 NEW SHEETS ISSUED WITH CHANG NO CHANGES
Sheet Number	Sheet Name	PERMIT COMMENTS REV 02.09.24 GMP REVISIONS 02.09.24 IFC SET 03.15.24 PERMIT REVISIONS 01.09.25 PERMIT REVISIONS 01.09.25 Sheet Number	Sheet Name	PERMIT COMMENTS REV 02.09.24 GMP REVISIONS 02.09.24 IFC SET 03.15.24 PERMIT REVISIONS 01.09.25 Sheet Number	Sheet Name	PERMIT COMMENTS REV 02.09.24 GMP REVISIONS 02.09.24 IFC SET 03.15.24 PERMIT REVISIONS 06.26.24 Sheet Number Sheet Number	PERMIT COMMENTS REV 02.09.24 GMP REVISIONS 02.09.24 IFC SET 03.15.24 PERMIT REVISIONS 01.09.25 Sheet Number	Sheet Name	PERMIT COMMENTS REV 02.09.24 GMP REVISIONS 02.09.24 IFC SET 03.15.24 PERMIT REVISIONS 06.26.24 PERMIT REVISIONS 01.09.25
00 - GENE			RAMING PLAN - LEVEL 02	0 0 0 A4.01.1	UNIT PLAN - 1 BEDROOM STANDARD - LEVEL 01	0 0 A5.10 EXTERIOR DETAILS, TYP FOUNDATION			
G0.00 G0.01 G0.02	COVER GENERAL INFORMATION SHEET INDEX	0 0 0 S1.04 FI	RAMING PLAN - LEVEL 03 RAMING PLAN - LEVEL 04 RAMING PLAN - DORMER LEVEL	• •	UNIT PLAN - 1 BEDROOM STANDARD - LEVELS 02-04 UNIT PLAN - 2 BEDROOM STANDARD - LEVEL 01 UNIT PLAN - 2 BEDROOM STANDARD - TYPE A	• • • A5.11 EXTERIOR DETAILS, TYP FOUNDATION • • • • A5.11.1 EXTERIOR DETAILS, TYP FOUNDATION • • • • • A5.11.2 EXTERIOR DETAILS, TYP FOUNDATION	● 0 ○ M0.01 MECHANICAL LI 0 ○ 0 ○ M0.02 MECHANICAL SI 0 ○ 0 ○ M0.03 MECHANICAL SI		
G0.10	CODE ANALYSIS	0 0 0 0 S1.06 FI	RAMING PLAN - ROOF	0 0 0 A4.02.2 0 0 0 A4.02.3	UNIT PLAN - 2 BEDROOM STANDARD - LEVELS 02-03	A5.11.3 EXTERIOR DETAILS, TYP - FOUNDATION	M0.04 MECHANICAL S	CHEDULES	
G0.11 G0.12	CODE ANALYSIS ALS SECTIONS	• • • • • • S1.10.2 S	TRUCTURAL FOUNDATION PLAN - LEVEL 00 - WEST TRUCTURAL FOUNDATION PLAN - LEVEL 00 - EAST	• •	UNIT PLAN - 2 BEDROOM STANDARD - LEVEL 04 UNIT PLAN - 2 BEDROOM STANDARD - LEVEL 05	Image:	• • M0.05 MECHANICAL S • • • • M0.10 MECHANICAL S	TE PLAN	
	ALS PLANS ALS PLANS		STRUCTURAL FOUNDATION PLAN - LEVEL 00 - EAST WALKOUT STRUCTURAL FOUNDATION - LEVEL 00 - EAST ENLARGED PLANS	○ ● ● A4.02.6 A4.02.7 A4.02.7	UNIT PLAN - 2 BEDROOM STANDARD - LEVELS 02 UNIT 209 UNIT PLAN - 2 BEDROOM STANDARD - LEVELS 04 UNIT 409	• A5.13 EXTERIOR DETAILS, TYP WALL • A5.14 EXTERIOR DETAILS - ROOF	• • • • M1.00 MECHANICAL P • • • • • M1.01 MECHANICAL P	AN LEVEL 1	
G0.15 G0.16	ALS PLANS ALS PLANS		TRUCTURAL FRAMING PLAN - LEVEL 01 - WEST TRUCTURAL FRAMING PLAN - LEVEL 01 - EAST	• •	UNIT PLAN - 2 BEDROOM KNUCKLE - LEVELS 02-04 UNIT PLAN - 2 BEDROOM FLEX - LEVEL 02-04	0 0 A5.15 EXTERIOR DETAILS - ROOF 0 0 0 A5.16 EXTERIOR DETAILS - SKI LOCKER	Image: Constraint of the second sec		0 0 0 0 0 0 0
G0.17 G0.18	ALS PLANS ALS - ACCESSIBILITY REQUIREMENTS		TRUCTURAL WALL FRAMING PLAN - LEVEL 01 - WEST TRUCTURAL WALL FRAMING PLAN - LEVEL 01 - EAST	0 0 A4.05.1 0 0 A4.05.2	UNIT PLAN - 3 BEDROOM FLEX - LEVEL 01 UNIT PLAN - 3 BEDROOM FLEX - LEVEL 01	Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image: Optimized state Image:	M1.04 MECHANICAL P		
G0.19	ALS - ACCESSIBILITY REQUIREMENTS TYPICAL ASSEMBLIES - HORIZONTAL	0 0 0 S1.11.5 S	STRUCTURAL STEEL FRAMING PLAN - LEVEL 01 - WEST		UNIT PLAN - 3 BEDROOM FLEX - LEVELS 02-03 UNIT PLAN - 3 BEDROOM FLEX - LEVELS 02-03	Image: Second control of the second control of th	M1.06 MECHANICAL P		
G0.20 G0.21 G0.22	TYPICAL ASSEMBLIES - HORIZONTAL TYPICAL ASSEMBLIES - HORIZONTAL	• • • S1.11.7 S	STRUCTURAL FRAMING PLAN - LEVEL 01 EAST ENLARGED	• •		Image: Astronomy of the second sec	M2.01 MECHANICAL U	NIT PLANS - 1BED & 105	
G0.23	TYPICAL ASSEMBLIES - VERTICAL	0 0 0 S1.12.2 S	TRUCTURAL FRAMING PLAN - LEVEL 02 - EAST	0 0 0 A4.06.1	UNIT PLAN - 3 BEDROOM STANDARD - LEVEL 01	A5.21 EXTERIOR DETAILS - DECK, TYP.	O O O M2.03 MECHANICAL U	IT PLANS - 3 BED	
G0.24 G0.25.1	TYPICAL ASSEMBLIES - VERTICAL INTERIOR WALL & PARTITION TYPES	• • • • • S1.12.4 S	TRUCTURAL WALL FRAMING PLAN - LEVEL 02 - WEST	• •	UNIT PLAN - 3 BEDROOM STANDARD - LEVEL 01 UNIT PLAN - 3 BEDROOM STANDARD TYPE A - LEVELS 02	• • • A5.22 EXTERIOR DETAILS - LEVEL 05 DECKS • • • • A5.23 EXTERIOR DETAILS - LEVEL 05 DECKS		NT PLANS - 104, 204, 304	
G0.25.2 G0.26	INTERIOR WALL & PARTITION TYPES UL RATINGS	0 0 0 S1.12.6 S	STRUCTURAL STEEL FRAMING PLAN - LEVEL 02 - WEST STRUCTURAL STEEL FRAMING PLAN - LEVEL 02 - EAST	Image: Optimized state Image: Optimized state Image: Advance state A4.06.4 Image: Optimized state Image: Optimized state Image: Advance state A4.06.5	UNIT PLAN - 3 BEDROOM STANDARD TYPE A - LEVELS 02 UNIT PLAN - 3 BEDROOM STANDARD - LEVEL 03	0 0 0 A5.24 EXTERIOR DETAILS - PARAPETS 0 0 0 A5.25 EXTERIOR DETAILS - MECH. WELLS	M2.07 MECHANICAL U	NT PLANS - 201 & 301 NT PLANS - 211 & 311	
G0.27 G0.28	UL RATINGS UL RATINGS		TRUCTURAL FRAMING PLAN - LEVEL 03 - WEST TRUCTURAL FRAMING PLAN - LEVEL 03 - EAST	0 0 0 A4.06.6 0 0 0 A4.06.7	UNIT PLAN - 3 BEDROOM STANDARD - LEVEL 03 UNIT PLAN - 3 BEDROOM STANDARD - LEVEL 04	Image: Constraint of the state of the s	S O O M2.08 MECHANICAL U M2.09 MECHANICAL U		
G0.29 G0.30	UL RATINGS NET AREA PLANS		TRUCTURAL FRAMING PLAN - LEVEL 04 - WEST TRUCTURAL FRAMING PLAN - LEVEL 04 - EAST	Image: Optimized state Image: Optimized state Image: Optimized state A4.06.8 A4.06.9	UNIT PLAN - 3 BEDROOM STANDARD - LEVEL 04 UNIT PLAN - 3 BEDROOM STANDARD - LEVEL 05	Image:		IIT PLANS - 406 IIT PLANS - 407, 409, 410	
G0.31	GROSS AREA PLANS	0 0 0 S1.15.1 S	STRUCTURAL FRAMING PLAN - DORMER LEVEL - WEST	0 0 0 A4.07.1	UNIT PLAN - 3 BEDROOM KNUCKLE	Image: Color of the state o	Image: Second	NT PLANS - 408	
01 - CIVIL C.001	COVER SHEET	S1.16.1 S	STRUCTURAL FRAMING PLAN - DORMER LEVEL - EAST STRUCTURAL FRAMING PLAN - ROOF - WEST STRUCTURAL FRAMING PLAN - ROOF - EAST	0 0 A4.07.2 0 0 A4.07.3		A5.41 INTERIOR DETAILS	■ ● ● ● ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	CHEMATICS	
C.002	CIVIL NOTES EXISTING CONDITIONS MAP	○ ○ ○ S2.00 E	NLARGED CORE PLANS - WEST CORE	• •	UNIT PLAN - 3 BEDROOM CORNER - LEVEL 01	A5.43 INTERIOR DETAILS	M6.00 MECHANICAL D	TAILS	
C.003 C.020	DEMOLITION PLAN	○ ◑ ○ S2.02 C	CORE ELEVATIONS - WEST CORE CORE ELEVATIONS - WEST CORE	• •	UNIT PLAN - 3 BEDROOM CORNER - LEVELS 02-03	· · · A5.44 INTERIOR DETAILS · · · · A6.01 WINDOW SCHEDULE AND LEGEND	• •	TAILS	$\bullet \circ \circ$
C.110 C.200	HORIZONTAL CONTROL PLAN CIVIL UTILITY PLAN		ENLARGED CORE PLANS - EAST CORE CORE ELEVATIONS - EAST CORE	Image: Optimized state Image: Optimized state Image: Advance state Advance state<	UNIT PLAN - 3 BEDROOM CORNER - LEVELS 02-03 UNIT PLAN - 3 BEDROOM CORNER - LEVEL 04		● ●	VER SHEET	• • • •
.210 .211	WATER MAIN PLAN & PROFILE WATER MAIN PLAN & PROFILE		CORE ELEVATIONS - EAST CORE	Image: Optimized state Image: Optimized state Image: Advance state A4.08.6 Image: Optimized state Image: Optimized state Image: Advance state	UNIT PLAN - 3 BEDROOM CORNER - LEVEL 04 UNIT PLAN - 4 BEDROOM NORTH - LEVELS 02	O Image: Second state of the second	Image: Observe of the second	E PLAN HTING CIRCUITING SITE PLAN	
212 215	WATER SERVICE AND HYDRANT PLAN & PROFILE STANDPIPE PLAN & PROFILES	0 0 0 S3.01 T	YPICAL CONCRETE SCHEDULES AND DETAILS	○ ○ ● A4.09.1E	3 UNIT PLAN - 4 BEDROOM NORTH - LEVELS 03 UNIT PLAN - 4 BEDROOM NORTH - LEVELS 02-03	A6.06 DOOR HARDWARE A6.10 FINISH SCHEDULES		WER PLAN - LEVEL 00 WER PLAN - LEVEL 01	
.216	STANDPIPE PLAN & PROFILES STANDPIPE PLAN & PROFILES	0 0 0 S3.11 C	CONCRETE FOUNDATION DETAILS	O O O A4.09.3 O O A4.09.4		A6.11 FINISH SCHEDULES		WER PLAN - LEVEL 02 WER PLAN - LEVEL 02 WER PLAN - LEVEL 03	0000
.217	SANITARY SEWER PLAN & PROFILE	● ● ○ ● S3.15 C	CONCRETE FOUNDATION DETAILS CONCRETE SITE FOUNDATION DETAILS	0 0 0 A4.09.4 0 0 0 A4.09.5	UNIT PLAN - 4 BEDROOM NORTH - LEVEL 04	0 0 0 A6.12 FINISH SCHEDULES 0 0 0 A6.20 FINISH SELECTIONS	E1.04 ELECTRICAL PC	WER PLAN - LEVEL 04	
300 301	OVERALL GRADING & DRAINAGE PLAN DETAILED GRADING & DRAINAGE PLAN	• • • • S3.41 P	PRECAST CONCRETE FRAMING DETAILS PRECAST CONCRETE FRAMING DETAILS	• •	UNIT PLAN - 4 BEDROOM NORTH - LEVEL 04 UNIT PLAN - 4 BEDROOM NORTH - LEVEL 04	0 0 0 0 0 0 05 - LIGHTING	E1.06 ELECTRICAL PC	WER PLAN - DORMER LEVEL WER PLAN - ROOF	
2.310 2.311	STORM SEWER PLAN & PROFILES STORM SEWER PLAN & PROFILES		YPICAL MASONRY DETAILS YPICAL STEEL FRAMING DETAILS	0 0 0 A4.09.8 0 0 0 A4.09.9	UNIT PLAN - 4 BEDROOM NORTH - LEVEL 04 UNIT PLAN - 4 BEDROOM NORTH - LEVEL 05	O O O EL0.1 LIGHTING LEGEND AND NOTES O O O EL0.2 LUMINAIRE SCHEDULE		WER UNIT PLAN - 1 BEDROOM STANDARD WER UNIT PLAN - 2 BEDROOM FLEX	
.312 .313	STORM SEWER PLAN & PROFILES STORM SEWER PLAN & PROFILES		YPICAL STEEL CONNECTION DETAILS YPICAL STEEL CONNECTION DETAILS	0 0 0 A4.10.1 0 0 0 A4.10.2	UNIT PLAN - 4 BEDROOM EAST - LEVEL 01 UNIT PLAN - 4 BEDROOM EAST - LEVEL 01	Image: Observe of the second		WER UNIT PLAN - 2 BEDROOM STANDARD WER UNIT PLAN - 2 BEDROOM STANDARD I	0 0 0 LOFT 0 0 0
2.314	STORM SEWER PLAN & PROFILES POOL DRAIN PLAN PROFILE	● ● ● ● S5.03 S ⁻	STEEL FRAMING DETAILS	0 0 0 A4.10.3		O O O O O EL1.1E LEVEL 00 EIGHTING PLAN - EAST O O EL1.1W LEVEL 01 LIGHTING PLAN - WEST	O O O E2.04 ELECTRICAL PC	WER UNIT PLAN - 2 BEDROOM KNUCKLE WER UNIT PLAN - 3 BEDROOM FLEX	<u> </u>
C.315 C.320	LOWER WALLS PLAN & PROFILE	○ ○ ○ S5.05 S ⁻	STEEL FRAMING DETAILS	Image: Constraint of the state of	UNIT PLAN - 4 BEDROOM EAST - LEVELS 02-03	Image:	O O E2.06 ELECTRICAL PC	WER UNIT PLAN - 3 BEDROOM FLEX LOFT	
2.321 2.330	LOWER WALLS PLAN & PROFILE SIDEWALK PLAN & PROFILE	○ ◑ ○ S5.15 B/	EAST WALK-OUT STEEL FRAMING DETAILS BALCONY FRAMING DETAILS	0 0 0 A4.10.6 0 0 0 A4.10.7	UNIT PLAN - 4 BEDROOM EAST - LEVELS 02-03 UNIT PLAN - 4 BEDROOM EAST - LEVELS 02-03			WER UNIT PLAN - 3 BEDROOM STANDARD WER UNIT PLAN - 3 BEDROOM STANDARD I	0 0 0 LOFT 0 0 0
C.331 C.332	SIDEWALK PLAN & PROFILE SIDEWALK PLAN		BALCONY FRAMING DETAILS COLD FORMED METAL FRAMING SCHEDULES	• •	UNIT PLAN - 4 BEDROOM EAST - LEVELS 02-03 UNIT PLAN - 4 BEDROOM EAST - LEVEL 04	O O Image: Belling and the second se		WER UNIT PLAN - 3 BEDROOM KNUCKLE WER UNIT PLAN - 3 BEDROOM CORNER	
2.333 2.400	SIDE WALK PLAN & PROFILE OVERALL MATERIALS SIGNAGE		COLD FORMED METAL FRAMING DETAILS		UNIT PLAN - 4 BEDROOM EAST - LEVEL 04 UNIT PLAN - 4 BEDROOM EAST - LEVEL 04	• •		WER UNIT PLAN - 3BEDROOM CORNER LOF WER UNIT PLAN - 4 BEDROOM EAST LVL 1	-T 0 0 0
C.410 C.420	ROADWAY PLAN & PROFILE ROADWAY CROSS-SECTIONS		COLD FORMED METAL FRAMING DETAILS		UNIT PLAN - 4 BEDROOM EAST - LEVEL 04 UNIT PLAN - 4 BEDROOM EAST - LEVEL 05	Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Organization of the second state Image: Or		WER UNIT PLAN - 4 BEDROOM EAST LVL 2-4 WER UNIT PLAN - 4 BEDROOM EAST LOFT	4 3 3 3
C.421	ROADWAY CROSS-SECTIONS ROADWAY CROSS-SECTIONS	○	COLD FORMED METAL FRAMING DETAILS (NLB)	0 0 0 A4.11.1	KITCHEN ELEVATIONS - TYPE A	Image: Solution of the second seco	● ○ ● E2.15 ELECTRICAL PC	WER UNIT PLAN - 4 BEDROOM NORTH WER UNIT PLAN - 4 BEDROOM NORTH LOF	T 0 0 0
.430	EMERGENCY ACCESS CROSS-SECTIONS	○ ○ ○ S5.51 C	COLD FORMED METAL FRAMED ROOF DETAILS	• • • • A4.11.2	KITCHEN ELEVATIONS - TYPICAL B	O O O EL4.1 LIGHTING DETAILS	O O E2.17 ELECTRICAL EN	LARGED PLANS	0 0 0
501	CIVIL CONSTRUCTION DETAILS	000	COLD FORMED METAL FRAMED ROOF DETAILS	A4.11.3 A4.11.4		O O EL5.1 LIGHTING CONTROLS	E2.19 ELECTRICAL EN	LARGED PLANS	
502 505	CIVIL CONSTRUCTION DETAILS CDOT DETAILS		SITE PLAN - OVERALL	A4.11.5 0 0 0 A4.11.6	BATHROOM ELEVATIONS - 1 BED STANDARDBATHROOM ELEVATIONS - 4 BEDROOM EAST	0 0 06 - PLUMBING 0 0 0 P0.01 PLUMBING LEGEND AND NOTES	E3.01 ELECTRICAL LIC	HTING CIRCUITING PLAN - LEVEL 00 HTING CIRCUITING PLAN - LEVEL 01	0 0 0 0 0 0 0
506 507	CDOT RAMP DETAILS DENVER INLET DETAILS	0 0 0 A0.10 S	BITE PLAN - THE AMBLE BITE ACCESSIBILITY		BATHROOM ELEVATIONS - TYPE A UNITS	0 0 0 P0.02 PLUMBING SCHEDULES 0 0 0 P0.03 PLUMBING SCHEDULES		HTING CIRCUITING PLAN - LEVEL 02 HTING CIRCUITING PLAN - LEVEL 03	
.510 .515	NYLOPLAST DETAILS MWW DETAILS		LOOR PLAN - LEVEL 00 SLAB SLOPE PLAN		LIVING ROOM & ENTRY ELEVATIONS COMMON SPACE ELEVATION	o o o P1.00 PLUMBING PLAN LEVEL 0 0 0 0 0 P1.00U PLUMBING PLAN UNDERGROUND		HTING CIRCUITING PLAN - LEVEL 04 E LINE DIAGRAM	
C.520 C.700	O & M PLAN AND DETAILS OVERALL CRITICAL IMPROVEMENTS EXHIBIT		LOOR PLAN - LEVEL 01 LOOR PLAN - LEVEL 02		SKI LOCKER ELEVATIONS UBER LOBBY & SKI LOCKER ELEVATIONS	• • • • P1.01 PLUMBING PLAN LEVEL 1 • <td></td> <td>E-LINE SCHEDULES</td> <td></td>		E-LINE SCHEDULES	
.710	DETAILED CRITICAL IMPROVEMENTS EXHIBIT	● ○ ○ A1.03 FI	LOOR PLAN - LEVEL 02 LOOR PLAN - LEVEL 03 LOOR PLAN - LEVEL 04		FITNESS ELEVATIONS	• •		ER DIAGRAMS AND DETAILS	
2 - LAND 1.00	SCAPE LANDSCAPE NOTES	A1.05 FI	LOOR PLAN - LEVEL 05	0 0 0 0 A4.20.2	ENLARGED PLANS - SKI LOCKER ROOM ENLARGED PLANS - SKI LOCKER ROOM RCP ENLARGED PLANS - LOUNGE & FITNESS RM	• •	E6.05 ELECTRICAL RE	SIDENTIAL LOAD SUMMARY	
1.01	LANDSCAPE SCHEDULES	• • • • A1.10.1 FI	ROOF PLAN LOOR PLAN - LEVEL 00 - WEST	O O A4.21.1 0 0 0 A4.21.2 A4.21.2 A4.21.2 A4.21.2	ENLARGED PLANS - LOUNGE & FITNESS RM RCP	Image: Optimized state Image: P2.01 PLUMBING UNIT PLANS - 1 BED & 105	E6.13 ELECTRICAL RE	SIDENTIAL LOAD SUMMARY 1-2 BEDRMS SIDENTIAL LOAD SUMMARY 3 BEDRMS	0 0 0 0 0 0
1.02	OVERALL LANDSCAPE PLAN HARDSCAPE PLAN	• • • • A1.11.1 FI	LOOR PLAN - LEVEL 00 - EAST LOOR PLAN - LEVEL 01 - WEST	• •		O Image: O Im	E6.15 ELECTRICAL UN	SIDENTIAL LOAD SUMMARY 4 BEDRMS	0 0 0 0 0 0
2.01 3.00	HARDSCAPE PLAN LANDSCAPE PLAN	• • • • A1.11.3 S	COOR PLAN - LEVEL 01 - EAST SLAB EDGE PLAN - LEVEL 01 - WEST	• •	ENLARGED PLANS - GARAGE RCP ENLARGED PLANS - BUILDING CORRIDORS	O Image: O Im	E7.00 ELECTRICAL SC	IT LOAD CENTERS HEDULES	
3.01 4.00	LANDSCAPE PLAN SNOW STORAGE PLAN		LOOR PLAN - LEVEL 02 - WEST LOOR PLAN - LEVEL 02 - EAST	O O Image: Additional content of the state of the st	ENLARGED PLANS - BUILDING CORRIDORS ENLARGED PLANS - BUILDING CORRIDORS	0 0 P2.06 PLUMBING UNIT PLANS - 201 & 301 P2.07 PLUMBING UNIT PLANS - 211 & 311	Image: Constraint of the second se	IT SCHEDULES	
4.01 5.00	TRAILS PLAN EXHIBIT LANDSCAPE DETAILS	• • • • A1.13.1 Fl	LOOR PLAN - LEVEL 03 - WEST LOOR PLAN - LEVEL 03 - EAST	0 0 A4.30.1 0 0 A4.30.2		O O O P2.08 PLUMBING UNIT PLANS - 401 O O O P2.09 PLUMBING UNIT PLANS - 404	E7.10 ELECTRICAL PA		
5.01 5.02	LANDSCAPE DETAILS LANDSCAPE DETAILS	• • • • A1.14.1 FI	LOOR PLAN - LEVEL 04 - WEST LOOR PLAN - LEVEL 04 - EAST	0 0 0 A4.31.1		Image: Construction	C I I E7.12 ELECTRICAL PA	NEL SCHEDULES NEL SCHEDULES NEL SCHEDULES	00
-1.00 -1.01	IRRIGATION SCHEDULE OVERALL IRRIGATION PLAN	● ○ ○ A1.15.1 FI	LOOR PLAN - LEVEL 05 - WEST	• • • • • A4.32.1		• •	E7.14 ELECTRICAL PA	NEL SCHEDULES	
-2.00	IRRIGATION PLAN	● ○ ○ A1.16.1 R	COOR PLAN - LEVEL 05 - EAST ROOF PLAN - WEST	A4.40.2	STAIR B PLANS & SECTIONS	P3.01 PLUMBING DIAGRAMS	E8.00 ELECTRICAL LIC	NEL SCHEDULES HTING COMPLIANCE	0 0 0 0 0 0 0
-2.01 -3.00	IRRIGATION PLAN IRRIGATION DETAILS	● ● ● ● A2.00 B	ROOF PLAN - EAST BUILDING ELEVATIONS		ELEV A PLANS & SECTIONS	Image: Optimized state Image: Optimized state P3.02 PLUMBING DIAGRAMS Image: Optimized state P3.03 PLUMBING DIAGRAMS	• • • • • • • • • • • • • • • • •		
.l-3.01 .l-3.02	IRRIGATION DETAILS IRRIGATION DETAILS		BUILDING ELEVATIONS BUILDING ELEVATIONS	0 0 0 0 A4.41.2 0 0 0 0 A4.42	ELEV B PLANS & SECTIONS ELEVATOR DETAILS	O O P3.04 PLUMBING DIAGRAMS O O O P6.00 PLUMBING DETAILS	● ● ○ SP100 TITLE SHEET & ○ ○ ● SP101 POOL & SPA AR		
3 - STRU		A2.10 M	ATERIAL ELEVATIONS ATERIAL ELEVATIONS	0 0 0 A5.01 0 0 0 A5.02	DOOR/WINDOW DETAILS DOOR/WINDOW DETAILS		SP102 POOL PLAN, DA	TA & TYP. WALL DETAIL	
0.00	STRUCTURAL NOTES STRUCTURAL NOTES	• • • • A2.12 M	ATERIAL ELEVATIONS BUILDING SECTIONS	• • • • • A5.03	HM DOOR DETAILS		SP104 POOL & SPA EG	JIPMENT ROOM PLAN	0 0 0
50.01 50.10	SPECIAL INSPECTIONS SPECIAL INSPECTIONS	A3.01 B	BUILDING SECTIONS				SP200 POOL & SPA SE SP201 CONSTRUCTION	DETAILS	
50.11 50.20	STRUCTURAL DESIGN CRITERIA	● ○ ○ ○ A3.11 W	VALL SECTIONS VALL SECTIONS				SP300 POOL & SPA PIF SP301 POOL & SPA PIF	ING DETAILS	
50.21 51.00	STRUCTURAL DESIGN CRITERIA FOUNDATION PLAN - LEVEL 00		VALL SECTIONS VALL SECTIONS	0 0 0 0 0 0 0				PTH MARKER PLANS & DETAILS NDING PLAN & DETAILS	
	FRAMING PLAN - LEVEL 01						SP500 POOL & SPA 3D		



IBC CODE REVIEW - THE AMBLE:

UILDING LOCATION:				BUILDING CONSTRUCTION REVIE	W (CONTINUED):	
PROJECT NAME: PROJECT LOCATION:	THE AMBLE STEAMBOAT, CO					
AUTHORITY HAVING JURISDICTION: PROJECT ADDRESS:	ROUTT COUNTY 2305 MT. WERNER (STEAMBOAT SPRING			CORRIDOR SEPERATION: R-2 UNIT SEPERATION: B TO R-2 SEPERATION: B TO S-1 SEPERATION:	1-HR 0-HR	CEPTION 1) - FULLY SPRINKLERED CEPTION 2, TYPE II-B CONSTRUCTION) - FULLY SPRINKLERI
OVERNING CODES:				B TO S-2 SEPERATION: S-1 TO S-2 SEPERATION:	1-HR 1-HR	
ARCHITECTURAL:	2018 INTERNATIONA	AL BUILDING CODE (IBC)		MAXIMUM AREA OF EXTERIOR WALL OP	ENINGS (IBC TABLE 705.8):	
						EQUAL TO OR GREATER THAN 30' - 0". BASED ON IBC TABL , PROTECTED OR UNPROTECTED, AS A RESULT.
MECHANICAL/PLUMBING:		AL MECHANICAL CODE (IMC) AL PLUMBING CODE (IPC)		INCIDENTAL USES (IBC TABLE 509):		
ELECTRICAL:	2023 NATIONAL ELE	ECTRIC CODE (NEC)		1. FURNACE ROOM WHERE AN	Y PIECE OF EQUIPMENT IS OVER 400	,
FIRE PROTECTION:	2018 INTERNATIONA 2018 INTERNATIONA	AL FIRE CODE (IFC) AL FUEL GAS CODE (IFGC)		2. ROOMS WITH BOILERS WHEI 3. REFRIGERANT MACHINERY F		ENT IS OVER 15 PSI AND 10 HORSEPOWER
ENERGY CONSERVATION:	2018 INTERNATIONA	AL ENERGY CONSERVATION CO	DE (IECC)	SEPERATION REQUIREMENTS:		ROUGH 450.48 OF NFPA 70 FOR PROTECTION AND
ACCESSIBILITY DESIGN:	2018 COLORADO RE	& USEABLE BUILDINGS & FACILITI EVISED STATUTES TITLE 9 ARTIC /ITH DISABILITIES ACT STANDARI /ANI JAI	CLE 5	1. ELECTRICAL INSTALLATIONS EQUIPMENT PLATFORMS (IBC SECTION		
OTHER:	2018 INTERNATIONA	AL SWIMMING POOL & SPA CODE		PLATFORMS SHALL NOT CONTRIBUT	E TO EITHER THE BUILDING AREA C	A PORTION OF THE FLOOR BELOW. SUCH EQUIPMENT R THE NUMBER OF STORIES AS REGULATED IN SECTION DETERMINING THE FIRE AREA IN ACCORDANCE WITH SEC
* ALL CODES AS NOTED WITH ROUT		013: SAFETY CODE FOR ELEVATO		903. IN ADDITION, THE FOLLOWING L 1. THE AGGREGATE AREA OF A	IMITATIONS SHALL BE PLACED ON E	
UILDING USE AND OCCUPANCY	·.			2. WHERE LOCATED IN A BUILD		ECTED BY AN AUTOMATIC SPRINKLER SYSTEM, EQUIPME /E AND BELOW THE PLATFORM, WHERE REQUIRED BY TH
BUILDING PRIMARY OCCUPANCY:		10.4) - LEVELS 01 - DORMER LEV	EL		N SECTION 903.3 (IBC SECTION 503.3	
BUILDING SECONDARY OCCUPANCIES:	A-3 (IBC SECTION 30 B (IBC SECTION 304 S-1 (IBC SECTION 31 S-2 (IBC SECTION 31	I.1) - LEVEL 01 11.2) - LEVEL 00		BUILDING PERFORMANCE REQUI		216)-
MIXED USE AND OCCUPANCY:	Υ.	PANCIES (IBC SECTION 508.4)				
		IPANCIES (IBC SECTION 508.2)		INSULATION AND FENESTRATION REQU ROUTT COUNTY, COLORADO IS LOC.		
		REAS (IBC SECTION 508.2 AND IB	C TABLE 509.1) SSORY OCCUPANCIES SHALL BE SEPERATED		REQUIRED:	PROVIDED:
	FROM THE REM PASSAGE OF S	MAINDER OF THE BUILDING BY C SMOKE. DOORS SHALL BE SELF	CONSTRUCTION CAPABLE OF RESISTING THE OR AUTOMATIC CLOSING UPON THE	FENESTRATION U-FACTOR: DOORS:	0.30 MAX.	U0.17 / SHGC 0.25
	IN EXCESS OF		AVE AIR TRANSFER OPENINGS OR UNDERCUT LLS SHALL NOT HAVE AIR TRANSFER DAMPERS	WINDOWS: ROOF R-VALUE: WALL R-VALUE:	R-49 MIN. R20+5ci OR R-13+10ci MIN.	U0.17 / SHGC 0.25 R-68 EFFECTIVE (R-30+R-40ci) R-34 EFFECTIVE (R-19+20ci)
		GROUP R (IBC SECTION 510.4)	DAMFENS.	EXTERIOR FLOOR R-VALUE: BASEMENT WALL R-VALUE:	R-38 MIN. R-15ci <u>OR</u> R-19 cavity	R-38 R-20ci
	* IBC SECTION 5	510.4 ALLOWS FOR A GROUP S-2		SLAB R-VALUE & DEPTH:	R-10, 4' - 0"	R-10, 4' - 0" min. D IN IECC TABLE R402.1.2. A RES-CHECK CALCULATION
	OCCUPANCY, 1 IMPACTING TH 504.4. WHILE TI	TO BE CONSTRUCTED, REGARD IE ALLOWABLE NUMBER OF BUIL THIS PROVISION PROVIDES AN E.	ND LOCATED BENEATH GROUP R LESS OF GRADE PLANE LOCATION, WITHOUT .DING STORIES AS OUTLINED IN IBC TABLE XCEPTION TO THE ALLOWABLE NUMBER OF AS NOTED PER IBC TABLE 504.3. IS STILL			TAL, OUTLINING ENERGY COMPLIANCE.
		FROM GRADE PLANE. THIS IS SH	IOWN IN MORE DETAIL IN THE CODE STUDY	BUILDING EGRESS REVIEW:		
UILDING CONSTRUCTION REVIE	EW:			DESIGN OCCUPANT LOADS (IBC TABLE	1004.1.2):	
CONSTRUCTION TYPE:	II-B (LEVELS 01 THR I-B (LEVEL 00)	ROUGH DORMER LEVEL)		THE PROVIDED ALS PLANS DOCUME OCCUPANCY TYPE PROPOSED:	INT OCCUPANT LOADS IN MORE DET	AIL. BELOW ARE THE OCCUPANCY LOAD FACTORS FOR E
SPRINKLER SYSTEM: ALARM SYSTEM:		PRINKLER SYSTEM NFPA 13 TEM AND SMOKE ALARM SYSTEM		ACCESSORY STORAGE AREAS:		
ALARW STSTEM.		PROVIDED:	CODE REFERENCE:	ASSEMBLY, UNCONCENTRATED: EXERCISE ROOMS LOCKER ROOMS: PARKING GARAGE:	50 SF GROSS / OCCUPANT 50 SF GROSS / OCCUPANT 200 SF GROSS / OCCUPANT	
MAX. BUILDING HEIGHT FROM GRADE:		67' - 4 1/2" (RE: 03/G0.11)	IBC TABLE 504.3	RESIDENTIAL: POOL/SPA DECK:	200 SF GROSS / OCCUPANT 15 SF GROSS / OCCUPANT	
BUILDING STORIES ABOVE GRADE:	5 STORIES	5 STORIES	IBC TABLE 504.4	POOL/SPA:	50 SF GROSS / OCCUPANT	
MAX. BUILDING AREA:			ILDING AREA AND ALLOWABLE BUILDING T BE NO GREATER THAN 3, PER IBC SECTION			IL. BELOW OUTLINES THE MINIMUM CODE REQUIREMENT
ALLOWABLE BUILDING AREA PER O	CCUPANCY (IBC TABLE	E 506.2):		STAIRWAYS:	0.2" / OCCUPANT (IBC SECTION 10	
B OCCUPANCY: R-2 OCCUPANCY: S-1 OCCUPANCY:	69,000 SF 48,000 SF 52,500 SF			OTHER EGRESS:	0.15" / OCCUPANT (IBC SECTION 1	
S-2 OCCUPANCY:						
	78,000 SF			MINIMUM STAIRWAY WIDTH: OCCUPANCY LOAD < 30:	44" (IBC SECTION 1011.2) 36" (IBC SECTION 1011.2 EXCEPTIO	DN 1)
LEVEL 00 = ([S-1] 3,090 SF / 52,500 SF LEVEL 01 = ([B] 3,008 SF / 69,000 SF) LEVEL 02, LEVEL 03, AND LEVEL 04 = DORMER LEVEL = ([R-2] 4,984 SF / 48	F) + ([S-2] 19,169 SF / 78 + ([R-2] 14,366 SF / 48,0 = ([R-2] 17,425 SF / 48,00	000 SF) = 0.34)N 1)
LEVEL 01 = ([B] 3,008 SF / 69,000 SF) LEVEL 02, LEVEL 03, AND LEVEL 04 =	F) + ([S-2] 19,169 SF / 78 + ([R-2] 14,366 SF / 48,00 = ([R-2] 17,425 SF / 48,00 3,000 SF) = 0.10	000 SF) = 0.34 00 SF) = 0.36		OCCUPANCY LOAD < 30: MINIMUM CORRIDOR WIDTH: OCCUPANCY LOAD < 50:	 36" (IBC SECTION 1011.2 EXCEPTION 44" (IBC TABLE 1020.2) 36" (IBC TABLE 1020.2) 36" (IBC TABLE 1020.2) PER IBC SECTION 1005.7.1, "DOOR WIDTH BY MORE THAN 7 INCHES. 	S, WHEN FULLY OPENED, SHALL NOT REDUCE THE REQU DOORS IN ANY POSITION SHALL NOT REDUCE THE REQU
LEVEL 01 = (ÎB] 3,008 SF / 69,000 SF) LEVEL 02, LEVEL 03, AND LEVEL 04 = DORMER LEVEL = ([R-2] 4,984 SF / 48	F) + ([S-2] 19,169 SF / 78 + ([R-2] 14,366 SF / 48,00 = ([R-2] 17,425 SF / 48,00 3,000 SF) = 0.10 . = 1.83 < 3 (RE: IBC SEC	000 SF) = 0.34 00 SF) = 0.36 CTION 506.2.4)		OCCUPANCY LOAD < 30: MINIMUM CORRIDOR WIDTH: OCCUPANCY LOAD < 50: WITHIN A DWELLING UNIT:	 36" (IBC SECTION 1011.2 EXCEPTION 44" (IBC TABLE 1020.2) 36" (IBC TABLE 1020.2) 36" (IBC TABLE 1020.2) PER IBC SECTION 1005.7.1, "DOOR WIDTH BY MORE THAN 7 INCHES. WIDTH BY MORE THAN ONE-HALF - EXCEPTION 1 STATES THAT 	S, WHEN FULLY OPENED, SHALL NOT REDUCE THE REQU DOORS IN ANY POSITION SHALL NOT REDUCE THE REQU " "DOOR HARDWARE SHALL BE EXCEMPT FROM INCLUSIO
LEVEL 01 = ([B] 3,008 SF / 69,000 SF) LEVEL 02, LEVEL 03, AND LEVEL 04 = DORMER LEVEL = ([R-2] 4,984 SF / 48 ALLOWABLE BUILDING AREA TOTAL REQUIRED FIRE-RESISTANCE SEPERAT PRIMARY STRUCTURAL FRAME:	F) + ([S-2] 19,169 SF / 78 + ([R-2] 14,366 SF / 48,00 = ([R-2] 17,425 SF / 48,00 3,000 SF) = 0.10 . = 1.83 < 3 (RE: IBC SEC FIONS (IBC TABLE 601): <u>TYPE I-B:</u> 2-HR	000 SF) = 0.34 00 SF) = 0.36 CTION 506.2.4) : <u>TYPE II-B:</u> 0-HR		OCCUPANCY LOAD < 30: MINIMUM CORRIDOR WIDTH: OCCUPANCY LOAD < 50: WITHIN A DWELLING UNIT:	 36" (IBC SECTION 1011.2 EXCEPTION 44" (IBC TABLE 1020.2) 36" (IBC TABLE 1020.2) 36" (IBC TABLE 1020.2) PER IBC SECTION 1005.7.1, "DOOR WIDTH BY MORE THAN 7 INCHES. WIDTH BY MORE THAN ONE-HALF EXCEPTION 1 STATES THAT THE 7-INCH MAXIMUM ENCR EXCEPTION 2 STATES THAT DOORS WITHIN INDIVIDUAL 	S, WHEN FULLY OPENED, SHALL NOT REDUCE THE REQU DOORS IN ANY POSITION SHALL NOT REDUCE THE REQU " "DOOR HARDWARE SHALL BE EXCEMPT FROM INCLUSIO OACHMENT" BASED ON VARIOUS CONDITIONS BEING ME
LEVEL 01 = ([B] 3,008 SF / 69,000 SF) LEVEL 02, LEVEL 03, AND LEVEL 04 = DORMER LEVEL = ([R-2] 4,984 SF / 48 ALLOWABLE BUILDING AREA TOTAL REQUIRED FIRE-RESISTANCE SEPERAT PRIMARY STRUCTURAL FRAME: EXT. BEARING WALLS: EXT. NON-BEARING WALLS:	F) + ([S-2] 19,169 SF / 78 + ([R-2] 14,366 SF / 48,00 = ([R-2] 17,425 SF / 48,00 3,000 SF) = 0.10 . = 1.83 < 3 (RE: IBC SEC FIONS (IBC TABLE 601): <u>TYPE I-B:</u> 2-HR 2-HR SEE BELOW	000 SF) = 0.34 00 SF) = 0.36 CTION 506.2.4) : <u>TYPE II-B:</u> 0-HR 0-HR SEE BELOW		OCCUPANCY LOAD < 30: MINIMUM CORRIDOR WIDTH: OCCUPANCY LOAD < 50: WITHIN A DWELLING UNIT: DOOR ENCROACHMENTS:	 36" (IBC SECTION 1011.2 EXCEPTION 44" (IBC TABLE 1020.2) 36" (IBC TABLE 1020.2) 36" (IBC TABLE 1020.2) PER IBC SECTION 1005.7.1, "DOOR WIDTH BY MORE THAN 7 INCHES. WIDTH BY MORE THAN ONE-HALF EXCEPTION 1 STATES THAT THE 7-INCH MAXIMUM ENCR EXCEPTION 2 STATES THAT DOORS WITHIN INDIVIDUAL IN OCCUPANCIES". 	S, WHEN FULLY OPENED, SHALL NOT REDUCE THE REQU DOORS IN ANY POSITION SHALL NOT REDUCE THE REQU " "DOOR HARDWARE SHALL BE EXCEMPT FROM INCLUSIO OACHMENT" BASED ON VARIOUS CONDITIONS BEING ME "THE RESTRICTIONS ON DOOR SWING SHALL NOT APPLY
LEVEL 01 = ([B] 3,008 SF / 69,000 SF) LEVEL 02, LEVEL 03, AND LEVEL 04 = DORMER LEVEL = ([R-2] 4,984 SF / 48 ALLOWABLE BUILDING AREA TOTAL REQUIRED FIRE-RESISTANCE SEPERAT PRIMARY STRUCTURAL FRAME: EXT. BEARING WALLS: EXT. NON-BEARING WALLS: FLOOR CONSTRUCTION: ROOF CONSTRUCTION:	F) + ([S-2] 19,169 SF / 78 + ([R-2] 14,366 SF / 48,00 = ([R-2] 17,425 SF / 48,00 3,000 SF) = 0.10 . = 1.83 < 3 (RE: IBC SEC FIONS (IBC TABLE 601): <u>TYPE I-B:</u> 2-HR 2-HR 2-HR SEE BELOW 2-HR 1-HR	000 SF) = 0.34 00 SF) = 0.36 CTION 506.2.4) : <u>TYPE II-B:</u> 0-HR 0-HR SEE BELOW 0-HR 0-HR 0-HR		OCCUPANCY LOAD < 30: MINIMUM CORRIDOR WIDTH: OCCUPANCY LOAD < 50: WITHIN A DWELLING UNIT: DOOR ENCROACHMENTS: COMMON PATH OF TRAVEL (IBC TABLE	 36" (IBC SECTION 1011.2 EXCEPTION 44" (IBC TABLE 1020.2) 36" (IBC TABLE 1020.2) 36" (IBC TABLE 1020.2) PER IBC SECTION 1005.7.1, "DOOR WIDTH BY MORE THAN 7 INCHES. WIDTH BY MORE THAN ONE-HALF EXCEPTION 1 STATES THAT THE 7-INCH MAXIMUM ENCR EXCEPTION 2 STATES THAT DOORS WITHIN INDIVIDUAL IN OCCUPANCIES". 1006.2.1): 	S, WHEN FULLY OPENED, SHALL NOT REDUCE THE REQU DOORS IN ANY POSITION SHALL NOT REDUCE THE REQU " "DOOR HARDWARE SHALL BE EXCEMPT FROM INCLUSION OACHMENT" BASED ON VARIOUS CONDITIONS BEING ME "THE RESTRICTIONS ON DOOR SWING SHALL NOT APPLY
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BUILDING EGRESS REVIEW (CONTINUED):

DEAD-END CORRIDORS:

PER IBC SECTION 1020.4, "WHERE MORE THAN ONE EXIT OR EXIT ACCESS DOORWAY IS REQUIRED, THE EXIT ACCESS SHALL BE ARRANGED SUCH THAT DEAD-END CORRIDORS DO NOT EXCEED 20 FEET IN LENGTH." - IBC SECTION 1020.4 EXCEPTION 2 ALLOWS FOR THE MAXIMUM DEAD-END CORRIDOR LENGTH TO BE INCREASED TO 50' - 0" IN OCCUPANCY TYPES B, R-2, AND S (SHORTENED TO RELEVANT OCCUPANCIES) PROVIDED THAT THE BUILDING IS FULLY SPRINKLERED.

MINIMUM NUMBER OF EXITS PER STORY (IBC TABLE 1006.3.2):

OCCUPANT LOAD 1-500:

MAXIMUM OCCUPANT LOAD OF SPACE WITH ONE EXIT OR EXIT ACCESS DOORWAY (IBC TABLE 1006.2.1):

OCCUPANCY A: OCCUPANCY B: OCCUPANCY R-2: OCCUPANCY S:

STAIRWAY REQUIREMENTS:

HEADROOM: TREADS AND RISERS:

LANDINGS:

VERTICAL RISE: SIGNAGE:

STAIR ENCLOSURE:

ELEVATOR REQUIREMENTS: EMERGENCY STRETCHER:

STANDBY POWER:

OPENING PROTECTION:

ELEVATOR ENCLOSURE:

INTERIOR EXIT STAIRWAYS AND RAMPS: GENERAL:

CONSTRUCTION: TERMINATION:

EXTENSION:

STAIR CORES TO BE 2-HOUR RATED AS THE BUILDING EXCEEDS 4 STORIES. INTERIOR EXIT STAIRWAYS AND RAMPS SHALL TERMINATE AT AN EXIT DISCHARGE OR A PUBLIC WAY - A COMBINATION OF INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS AND EXIT PASSAGEWAYS, CONSTRUCTED IN ACCORDANCE WITH SECTIONS 1023.2, 1023.3.1 AND 1024, RESPECTIVELY, AND FORMING A CONTINUOUS PROTECTED ENCLOSURE, SHALL BE PERMITTED TO EXTEND AN INTERIOR EXIT STAIRWAY TO THE EXIT DISCHARGE OR A PUBLIC WAY. WHERE EXTERIOR EXIT STAIRWAYS ARE EXTENDED TO AN EXIT DISCHARGE OR A PUBLIC WAY BY AN EXIT PASSAGEWAY, THE INTERIOR EXIT STAIRWAY SHALL BE SEPARATED FROM THE EXIT PASSAGEWAY BY A FIRE BARRIER CONSTRUCTED IN ACCORDANCE WITH SECTION 707 OR A HORIZONTAL ASSEMBLY CONSTRUCTED IN ACCORDANCE WITH SECTION 711, OR BOTH. THE FIRE RESISTANCE RATING SHALL BE NOT LESS THAN THAT REQUIRED FOR THE INTERIOR EXIT STAIRWAY. A FIRE DOOR ASSEMBLY COMPLYING WITH SECTION 716 SHALL BE INSTALLED IN THE FIRE BARRIER TO PROVIDE A MEANS OF EGRESS FROM THE INTERIR EXIT STAIRWAY TO THE EXIT PASSAGEWAY. OPENINGS IN THE FIRE BARRIER OTHER THAN THE FIRE DOOR ASSEMBLY ARE PROHIBITED.

ACCESSIBILITY AND EGRESS REVIEW: ACCESSIBLE MEANS OF EGRESS:

EXIT ACCESS STAIR AND ELEVATOR LOBBY AREAS OF REFUGE NOT REQUIRED PER IBC SECTION 1009.3.3 EXCEPTIONS 1, 2, AND 5 AS WELL AS IBC SECTION 1009.4.2 EXCEPTION 2.

PER IBC SECTION 1009.8, "A TWO-WAY COMMUNICATION SYSTEM COMPLYING WITH IBC SECTIONS 1009.8.1 AND 1009.8.2 SHALL BE PROVIDED AT THE LANDING SERVING EACH ELEVATOR OR BANK OF ELEVATORS ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF DISCHARGE."

SITE ARRIVAL POINTS:

PARKING:

THE PARKING GARAGE HAS A TOTAL OF FOURTY-TWO PARKING SPACES. PER IBC TABLE 1106.1, TWO ADA PARKING SPACES ARE REQUIRED, ONE OF WHICH IS REQUIRED TO BE VAN ACCESSIBLE. A TOTAL OF TWO ADA PARKING SPACES ARE PROVIDED, ONE OF WHICH IS VAN ACCESSIBLE.

ACCESSIBLE UNITS:

PER IBC TABLE 1107.6.1.1, A MINIMUM OF TWO ACCESSIBLE UNITS WITHOUT ROLL-IN SHOWERS SHALL BE PROVIDED. NO ACCESSIBLE UNITS WITH ROLL-IN SHOWERS ARE REQUIRED FOR BUILDINGS WITH LESS THAN 50 TOTAL UNITS. ALL UNITS NOT OTHERWISE DESIGNATED SHALL BE TYPE B, PER IBC SECTION 1107.6 12. UNITS 109 & 206 WILL BE TYPE A UNITS.

TYPE A DWELLING UNIT: TYPE B DWELLING UNIT: TYPE B VISITABLE (LEVEL 01): 1 POINT

2 EXITS

49 20 29

49

80", MEASURED VERTICALLY FROM A LINE CONNECTING THE EDGE OF THE NOSINGS (IBC SECTION 1011.3). - STAIR RISER HEIGHTS SHALL BE 7" MAXIMUM AND 4" MINIMUM (IBC SECTION 1011.5.2)

- STAIR TREAD DEPTHS SHALL BE 11" MINIMUM (IBC SECTION 1011.5.2). - WITHIN R-2 RESIDENTIAL UNITS, THE MAXIUM RISER HEIGHT SHALL BE INCREASED TO 7-3/4" WHILE THE MINIMUM TREAD DEPTH SHALL BE DECREASED TO 11" (IBC SECTION 1011.5.2 EXCEPTION 3).

PER IBC SECTION 1011.6, "A LANDING SHALL BE PROVIDED AT THE TOP AND BOTTOM OF EACH STAIRWAY. THE WIDTH OF THE LANDING, MEASURED PERPENDICULARLY TO THE DIRECTION OF TRAVEL, SHALL NOT BE LESS THAN THE WIDTH OF THE STAIRWAYS SERVED. DOORS OPENING ONTO A LANDING SHALL NOT REDUCE THE LANDING TO LESS THAN ONE-HALF THE REQUIRED WIDTH. WHEN FULLY OPEN, THE DOOR SHALL NOT PROJECT MORE THAN 7 INCHES INTO A LANDING."

A FLIGHT OF STAIRS SHALL NOT TRAVEL MORE THAN 12' - 0" VERTICALLY WITHOUT A LANDING (IBC SECTION 1011.8). AN EXIT SIGN, IN VISUAL RAISED CHARACTERS AS WELL AS BRAILLE (COMPLYING WITH ICC A117.1) SHALL BE PROVIDED AT EACH EXIT STAIRWAY, EXIT PASSAGEWAY, AND EXIT

DISCHARGE (IBC SECTION 1013.4). 713.12 ENCLOSURE AT TOP. A SHAFT ENCLOSURE THAT DOES NOT EXTEND TO THE UNDERSIDE OF THE ROOF SHEATHNG, DECK OR SLAB OF THE BUILDING SHALL BE ENCLOSED AT THE TOP WITH CONSTRUCTION OF THE SAME FIRE-RESISTANCE RATING AS THE TOPMOST FLOOR PENETRATED BY THE SAHFT, BUT NOT LESS THAN THE FIRE-RESISTANCE RATING REQUIRED FOR THE SHAFT ENCLOSURE.

NO LESS THAN ONE ELEVATOR SHALL BE PROVIDED FOR FIRE DEPARTMENT EMERGENCY ACCESS TO ALL FLOORS. THIS ELEVATOR SHALL BE SIZED TO ACCOMODATE AN AMBULANCE STRETCHER 24" x 84" IN SIZE WITH NOT LESS THAN 5" RADIUS CORNERS, IN THE HORIZONTAL OPEN POSITION AND SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL FOR EMERGENCY MEDICAL SERVICES (STAR OF LIFE). THE SYMBOL SHALL BE A MINIMUM OF 3" IN HEIGHT AND PLACED ON BOTH SIDES OF THE HOISTWAY DOOR FRAME (IBC SECTION 3002.4). THE ELEVATORS PROVIDED ARE REQUIRED TO BE A PART OF THE ACCESSIBLE MEANS OF EGRESS PER IBC SECTION 1009.2 AND IBC SECTION 1104. AS A RESULT, THE ELEVATORS PROVIDED MUST BE PLACED ON STAND-BY POWER, PER IBC SECTION 1009.4.1, IBC SECTION 3003, AND IBC CHAPTER 27. PER IBC SECTION 3003.1.4, THE MACHINE ROOM VENTILATION OR AIR CONDITIONING MUST ALSO BE CONNECTED TO THE STANDBY POWER AS A RESULT. ELEVATOR HOISTWAY OPENING PROTECTION IS REQUIRED PER IBC SECTION 3006.2.1 AND IS

SATISFIED BY ADDITIONAL DOORS PER IBC SECTION 3006.3(3). - PROTECTION OF ELEVATOR HOISTWAY DOOR OPENINGS IS NOT REQUIRED AT THE LEVEL(S) OF EXIT DISCHARGE, PROVIDED THE LEVEL(S) OF EXIT DISCHARGE ARE EQUIPPED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM (IBC SECTION 3006.2 EXCEPTION 2). 713.12 ENCLOSURE AT TOP. A SHAFT ENCLOSURE THAT DOES NOT EXTEND TO THE UNDERSIDE OF THE ROOF SHEATHNG, DECK OR SLAB OF THE BUILDING SHALL BE ENCLOSED AT THE TOP WITH CONSTRUCTION OF THE SAME FIRE-RESISTANCE RATING AS THE TOPMOST FLOOR PENETRATED BY THE SAHFT, BUT NOT LESS THAN THE FIRE-RESISTANCE RATING REQUIRED FOR THE SHAFT ENCLOSURE.

INTERIOR EXIT STAIRWAYS AND RAMPS SERVING AS AN EXIT COMPONENT IN A MEANS OF EGRESS SYSTYM SHALL BE ENCLOSED AND LEAD DIRECTLY TO THE EXTERIOR OF THE BUILDING OR SHALL BE EXTENDED TO THE EXTERIOR OF THE BUILDING WITH AN EXIT PASSAGEWAY CONFORMING TO THE REQUIREMENTS OF SECTION 1024. AN INTERIOR EXIT STAIRWAY OR RAMP SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN AS A MEANS OF EGESS AND A CIRCULATION PATH.

PENETRATIONS OF THE FIRE BARRIER ARE PROHIBITED. - PENETRATIONS OF THE FIRE BARRIER IN ACCORDANCE WITH SECTION 1023.5 ALLOWED - SEPARATION BETWEEN AN INTERIOR EXIT STAIRWAY AND THE EXIT PASSAGEWAY EXTENSION SHALL NOT BE REQUIRED WHERE THATE ARE NO OPENINGS INTO THE EXIT PASSAGEWAY

EXTENSION.

EXIT ACCESS STAIR CLEAR WIDTH OF 48" NOT REQUIRED PER IBC SECTION 1009.3.2 EXCEPTION 1

PLEASE REFER TO THE ALS PLANS PROVIDED FOR A DOCUMENTATION ON PEDESTRIAN AND VEHICULAR ACCESS POINTS.

PER THE 2018 COLORADO REVISED STATUTES TITLE 9 ARTICLE 5, A BUILDING WITH 29-42 UNITS IS REQUIRED TO MEET AN MINIMUM ACCESSIBILITY SCORE OF 18 (9-5-105(2)). POINTS ARE PROVIDED BASED ON THE FOLLOWING TABLE:

> 6 POINTS PER UNIT 4 POINTS



IBC CODE REVIEW - THE AMBLE:

INTERIOR FINISHES:

INTERIOR WALL AND CEILING FINISH REQUIREMENTS (SPRINKLERED) - IBC TABLE 803.13:

	<u>R-2 OCC.</u>	B OCC.	<u>S OCC.</u>
INTERIOR EXIT STAIRWAYS:	CLASS C	CLASS B	CLASS C
CORRIDORS AND EXIT ACCESS:	CLASS C	CLASS C	CLASS C
ROOMS AND ENCLOSED SPACES:	CLASS C	CLASS C	CLASS C

PROVIDE FLAMESPREAD CERTIFICATION OF ALL FINISH MATERIALS IN COMPLIANCE WITH IBC 803.1.

INTERIOR FINISHES SHALL COMPLY WITH IBC SECTION 804.

MINIMUM ROOF COVERING CLASSIFICATION REQUIREMENTS (IBC TABLE 1505.1):

CONST. TYPE I-B (LEVEL 00): TYPE B CONST. TYPE II-B (LEVEL 01 AND UP): TYPE C

PLUMBING FIXTURE REQUIREMENTS (IBC TABLE 29

UMBING FIXTURE REQUIREMENTS (IBC TABLE 2902.1):				
	ASSEMBLY:	RESIDENTIAL:	STORAGE:	
WATER CLOSETS: MALE: FEMALE: LAVATORIES: BATHTUBS/SHOWERS: DRINKING FOUNTAINS: OTHER:	SEE BELOW 1 PER 125 1 PER 65 1 PER 200 1 PER 500 1 SERVICE SINK	1 PER DU 1 PER DU 1 PER DU 1 KITCHEN SINK PER DU 1 W/D CONN. PER DU	1 PER 100 1 PER 100 1 PER 1,000 1 SERVICE SINK	\wedge

DRAFTSTOPPING:

DRAFTSTOPPING IN ATTICS (SECTION 718):

DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE ATTIC SPACES WHERE REQUIRED BY SECTION 708.4.2. IN OTHER THAN GROUP R, DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE COMBUSTIBLE ATTIC SPACES AND COMBUSTIBLE CONCEALED ROOF SPACES SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3000 SF,

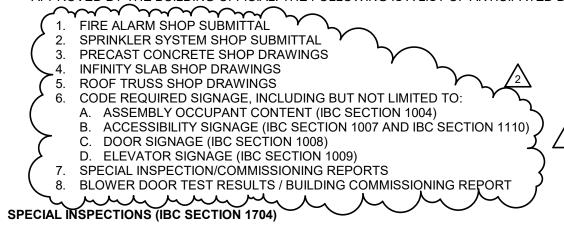
EXCEPTION: BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.

DEFERRED SUBMITTALS:

DEFERRED SUBMITTALS (IBC SECTION 107.3.4.1):

DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL. THE FOLLOWING IS A LIST OF ANTICIPATED DEFERRED SUBMITTALS FOR THIS PROJECT:

APPROVED AGENCIES TO THE BUILDING OFFICIAL. THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS



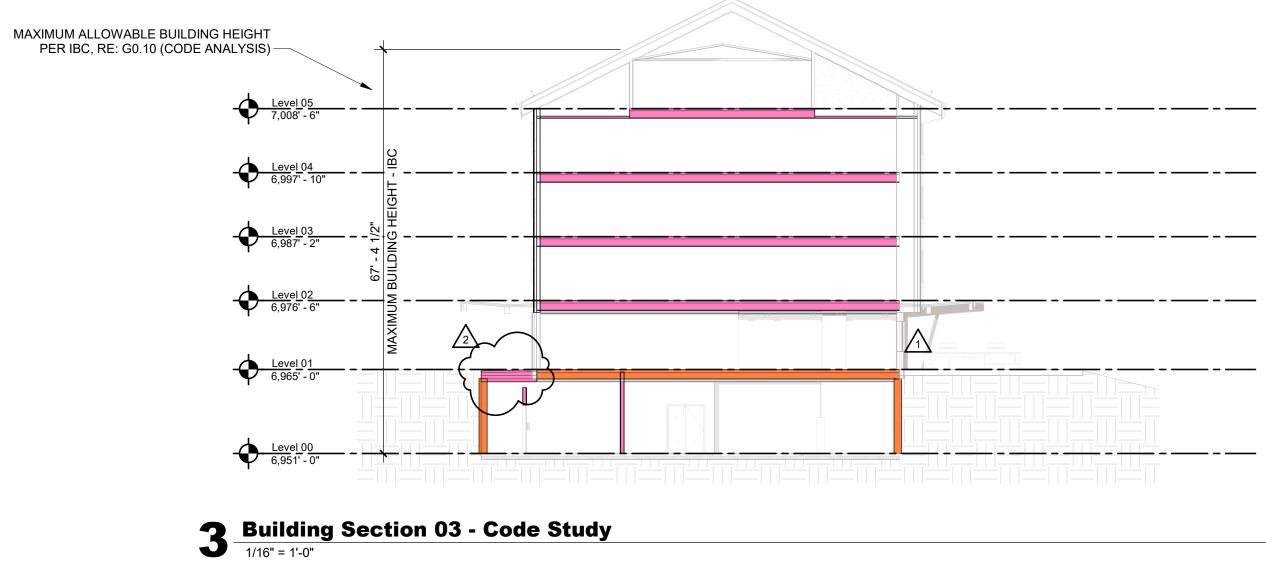
WHERE APPLICATION IS MADE TO THE BUILDING OFFICIAL FOR CONSTRUCTION AS SPECIFIED IN SECTION 105, THE OWNER OR THE OWNERS AUTHORIZED AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION ON THE TYPES OF WORK SPECIFIED IN SECTION 1705 AND IDENTIFY THE

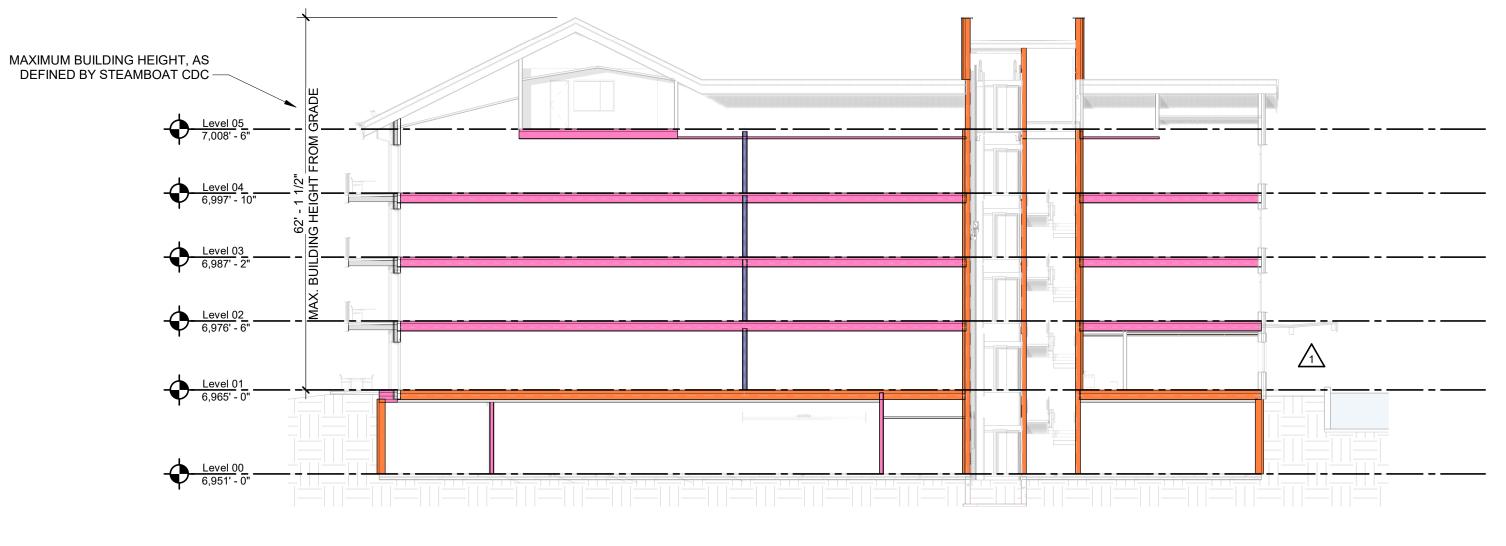
- BY THE BUILDING OFFICIAL THAT ARE IDENTIFIED IN SECTION 110. 1. STEEL CONSTRUCTION (IBC SECTION 1705.2)
- 2. CONCRETE CONSTRUCTION (IBC SECTION 1705.3)
- MASONRY CONSTRUCTION (IBC SECTION 1705.4)
 SOILS (IBC SECTION 1705.6)
- 5. FABRICATED ITEMS (IBC SECTION 1705.10)
- 6. SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE (IBC SECTION 1705.12)
- 7. TESTING FOR SEISMIC RESISTANCE (IBC SECTION 1705.13)
- SPRAYED FIRE-RESISTANT MATERIALS (IBC SECTION 1705.14)
 EXTERIOR INSULATION AND FINISH SYSTEMS (IBC SECTION 1705.16)
- 10. FIRE-RESISTANT PENETRATIONS AND JOINTS (IBC SECTION 1705.17) 11. TESTING FOR SMOKE CONTROL (IBC SECTION 1705.18)

GENERAL BUILDING CODE COMMENTS:

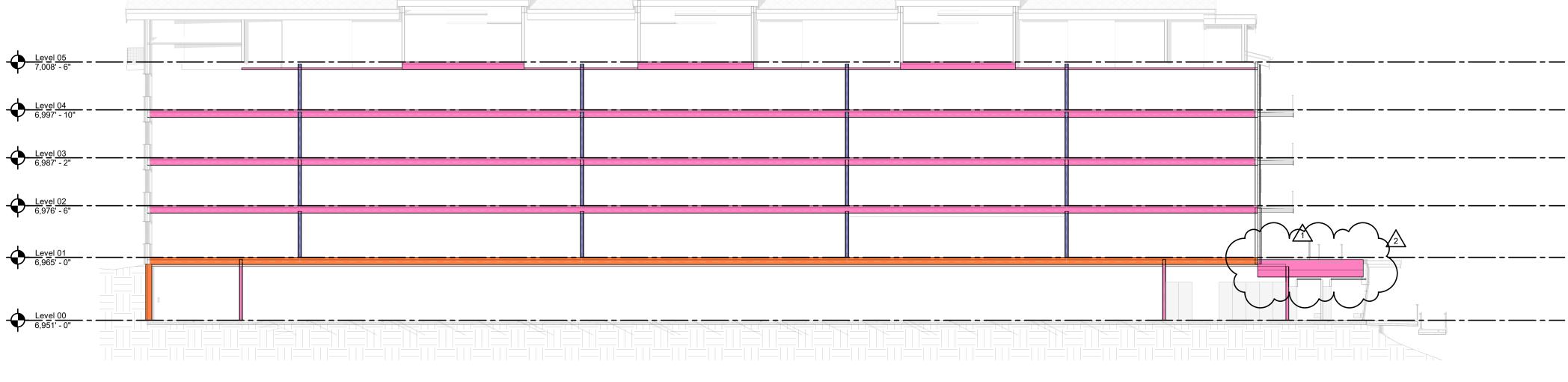
- 1. A CERTIFICATE OF OCCUPANCY MUST BE OBTAINED BY THE TENNANT PRIOR TO OCCUPYING ANY BUILDINGS OR PORTION OF
- BUILDINGS. 2. FIRE-RESISTANCE RATINGS OF SHAFT ENCLOSURES SHALL COMPLY WITH IBC SECTION 713, BUT SHALL NOT BE LESS THAN THE
- FLOOR ASSEMBLY PENETRATED.
 3. THE SUPPORTING CONSTRUCTION OF SHAFT ENCLOSURES SHALL BE PROTECTED TO AFFORD THE REQUIRED FIRE-RESISTANCE RATING OF THE ELEMENT SUPPORTED.
- PENETRATIONS, OTHER THAN THOSE NECESSARY FOR THE PURPOSE OF THE SHAFT, SHALL NOT BE PERMITTED IN SHAFT ENCLOSURES. DUCTS SHALL NOT PENETRATE EXIT SHAFT ENCLOSURES.
 SHAFTS THAT DO NOT EXTEND TO THE BOTTOM OF THE STRUCTURE SHALL COMPLY WITH IBC SECTION 713.11.
- SHAFTS THAT DO NOT EXTEND TO THE BOTTOM OF THE STRUCTURE SHALL COMPLY WITH IBC SECTION 713. 11.
 PENETRATION OF ALL FIRE-RATED BARRIERS, PARTITIONS, OR HORIZONTAL ASSEMBLIES SHALL COMPLY WITH IBC SECTION 714.
 FOR FIRE-RATED WALLS OR PARTITIONS, THE SURFACE AREA OF INDIVIDUAL METALLIC OUTLET OR SWITCH BOXES SHALL NOT EXCEED 16 SQUARE INCHES. THE AGGREGATE SURFACE OF THE BOXES SHALL NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET OF WALL SURFACE. BOXES LOCATED ON OPPOSITE SIDES OF WALLS OR PARTITIONS SHALL BE SEPERATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES (RE: IBC SECTION 714.3.2, EXCEPTIONS 1 AND 1.1).
- MEMBRANE PENETRATIONS SHALL COMPLY WITH IBC SECTION 714.3.2.
 PENETRATIONS OF MEMBRANES THAT ARE PART OF A FIRE-RESISTANT RATED HORIZONTAL ASSEMBLY SHALL COMPLY WITH IBC SECTION 714.4.
- 10. PENETRATIONS OF HORIZONTAL ASSEMBLIES WITHOUT A FIRE-RESISTANT RATING SHALL COMPLY WITH IBC SECTION 714.4.2. 11. EXTERIOR CURTAIN WALL AND FLOOR INTERSECTIONS SHALL COMPLY WITH IBC SECTION 715.4.
- OPENING PROTECTIVES SHALL COMPLY WITH IBC TABLE 716.5.
 FIRE DOORS SHALL BE LABELED IN ACCORDANCE WITH IBC SECTION 716.5.7.1 THROUGH IBC SECTION 716.5.7.5.
- 14. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THAT THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED. PER IBC SECTION 1008.2.1, THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL
- NOT BE LESS THAN 1 FOOTCANDLE (11 LUX) AT THE FLOOR LEVEL. 15. HANDRAILS SHALL COMPLY WITH IBC SECTION 1014.1 THROUGH IBC SECTION 1014. GUARDS SHALL COMPLY WITH IBC SECTION 1015.1 THROUGH IBC SECTION 1015.8.

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BRACE D. WINS B-2465 J2/15/2023
The Amble Stambalt
REVISIONE No. Description Date 1 PERSPONSE 02.09.24 1 Disconne 02.32.4 1 Disconne 02.32.4 1 Disconne 02.09.24 1 Disconne 02.32.4 1 Disconne 02.32.4 1 Disconne 02.09.24 1 Disconne Disconne 1 Disconne <tdd< th=""></tdd<>
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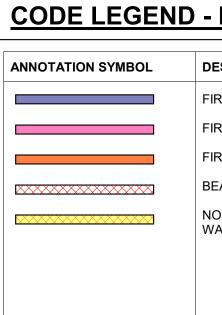




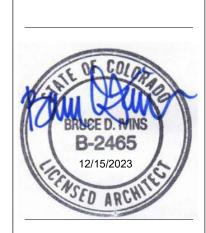
Building Section 02 - Code Study1/16" = 1'-0"



Building Section 01 - Code Study
1/16" = 1'-0"



- FIRE RESIS	TANCE:	NOTES:		
- FIRE RESIS DESCRIPTION FIRE PARTITION FIRE BARRIER FIRE BARRIER BEARING EXT. WALL NON-BEARING EXT. WALL, STRUC. FRAME	FIRE-RESISTIVE RATING 30-MINUTE RATED 1-HR RATED 2-HR RATED NON-RATED 2-HR RATED STRUC. FRAME	FIRE DOOR RATING 20 MIN. 45 MIN. 90 MIN	 IF THIS SHEET IS NOT VIEWED IN COLOR, VITAL DATA IS MISSING AND MAY BE MISUNDERSTOOD. SEE MECHANICAL DOCUMENTATION FOR LOCATIONS OF FIRE DAMPERS. SEE MECHANICAL DRAWINGS FOR LOCATION OF SMOKE DAMPERS. SEE ARCHITECTURAL DOCUMENTATION FOR LOCATIONS OF FIRE DOORS. THE FIRE-RESISTANCE RATING OF EXTERIOR WALLS WITH A FIRE SEPERATION DISTANCE >5 FEET SHALL BE RATED FOR EXPOSURE FROM THE INSIDE; FOR A FIRE SEPERATION DISTANCE < OR = 5 FEET, SUCH WALLS SHALL BE RATED FOR EXPOSURE FROM BOTH SIDES. 	
			1	



TOWN STAMP

359 Design

3630 OSAGE STREET DENVER, CO 80211 720.512.3437

Amble The

REVISIONS

PROJECT NUMBER

SHEET TITLE

SHEET NO.

 No.
 Description
 Date

 1
 PERMIT COMMENTS RESPONSE
 02.09.24

 2
 RFI #242
 09.13.24

THE AMBLE

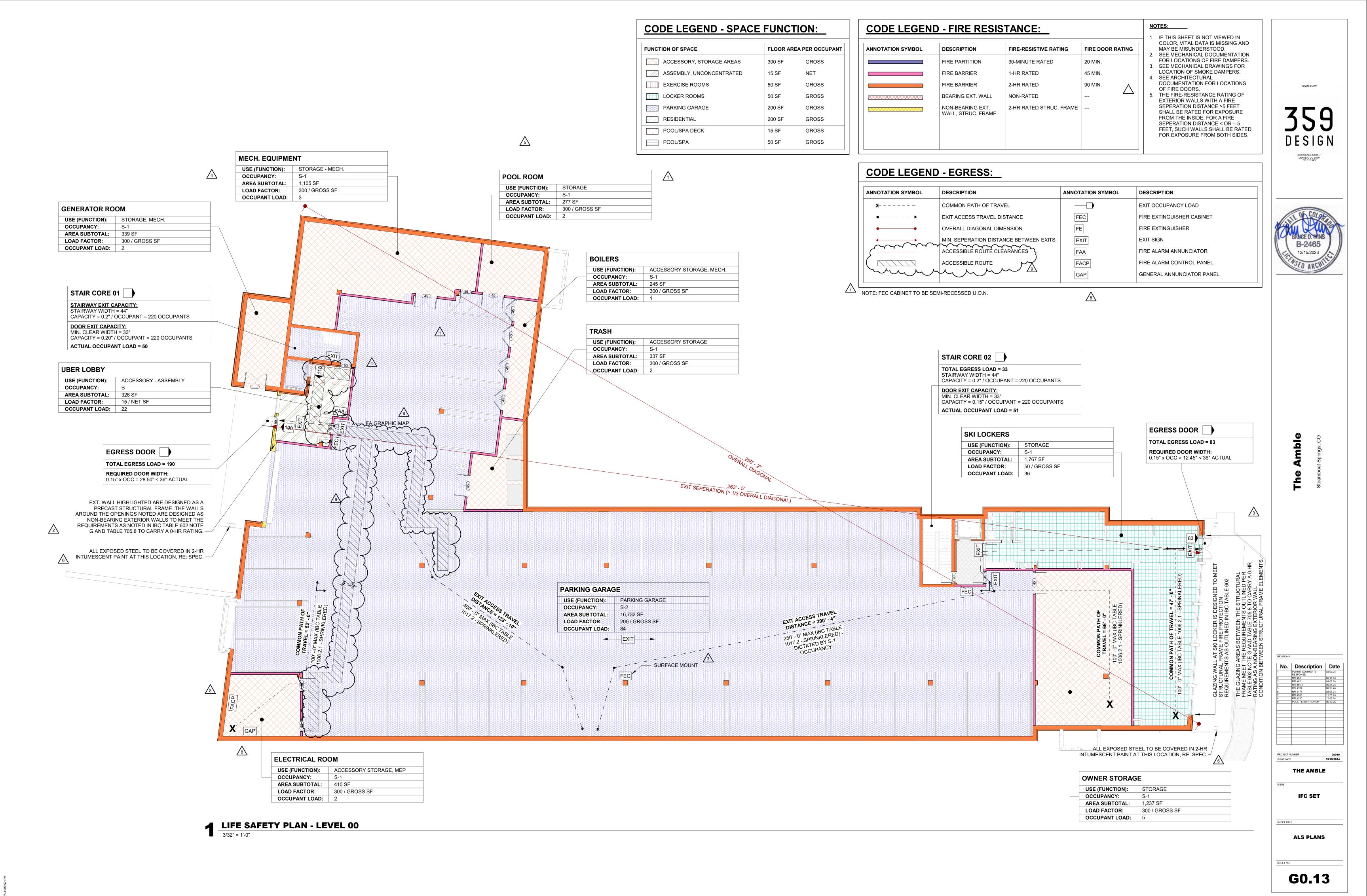
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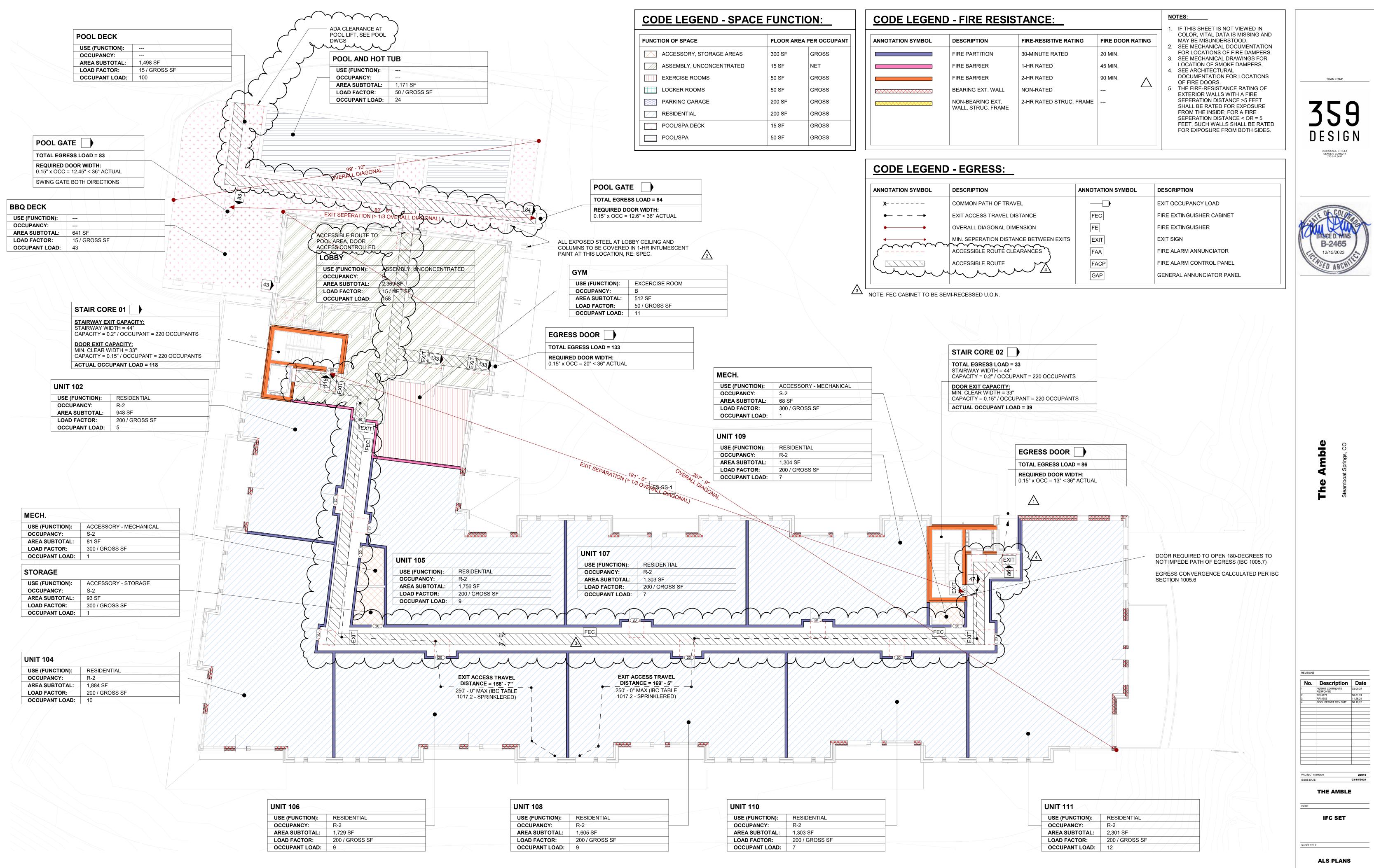
ALS SECTIONS

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1 LIFE SAFETY PLAN - LEVEL 01 3/32" = 1'-0"

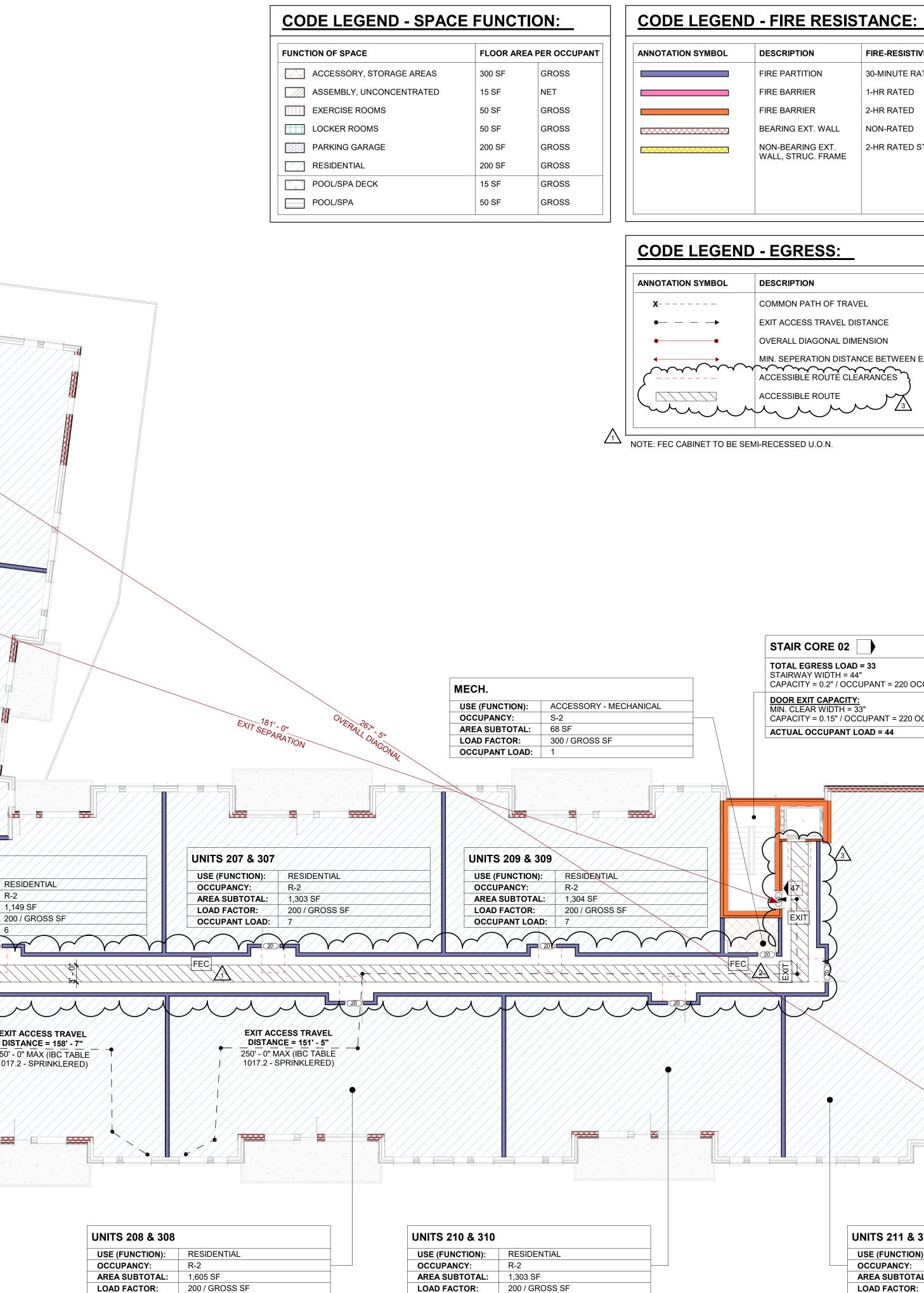
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		UNIT 201 & 301			
			DECIDENTIAL		
		USE (FUNCTION): OCCUPANCY:	RESIDENTIAL R-2		
		AREA SUBTOTAL:	2,265 SF		
		LOAD FACTOR:	200 / GROSS SF		
		OCCUPANT LOAD:	12		
		OCCUPANT LOAD:			
STAIR CORE 01					
STAIRWAY EXIT CAPACITY:					
STAIRWAY WIDTH = 44" CAPACITY = 0.2" / OCCUPANT = 220	OCCUPANTS				
DOOR EXIT CAPACITY:					
MIN. CLEAR WIDTH = 33" CAPACITY = 0.15" / OCCUPANT = 220	OCCUPANTS				
ACTUAL OCCUPANT LOAD = 51					
			(90)		
		-			
UNITS 202 & 302					XXXXX
USE (FUNCTION): RESIDENTIAL					
OCCUPANCY: R-2 AREA SUBTOTAL: 948 SF					
AREA SUBTOTAL: 948 SF LOAD FACTOR: 200 / GROSS SF				EXIT	
OCCUPANT LOAD: 5					
MECH. USE (FUNCTION): ACCESSORY - MECHA	NICAL				203 & 303 -UNCTION): RESIDENTIAL PANCY: R-2 WBTOTAL: 1,275 SF ANT LOAD: 7 ANT LOAD: 7
OCCUPANCY: S-2					
AREA SUBTOTAL:81 SFLOAD FACTOR:300 / GROSS SF					
OCCUPANT LOAD:1					
STODACE				$\forall \blacksquare \land \blacksquare$	
STORAGE			////×1	$\mathbb{N} \mathbb{R}^{\mathbb{N}}$	UNITS 205 & 305
USE (FUNCTION): ACCESSORY - STORAGE OCCUPANCY: S-2	GE			\mathbb{N}	USE (FUNCTION): RES OCCUPANCY: R-2
AREA SUBTOTAL: 93 SF				\mathbb{K}	AREA SUBTOTAL: 1,14
LOAD FACTOR: 300 / GROSS SF				NR V	LOAD FACTOR: 200
OCCUPANT LOAD: 1					OCCUPANT LOAD: 6
UNITS 204 & 304					
			$//\chi/$		
USE (FUNCTION): RESIDENTIAL OCCUPANCY: R-2					//////////////////////////////////////
AREA SUBTOTAL: 1,883 SF					EXIT DIS
LOAD FACTOR: 200 / GROSS SF		//////////////////////////////////////			250' -
OCCUPANT LOAD: 10			///////////////////////////////////////		1017.

UNITS 206 & 306				
USE (FUNCTION):	RESIDENTIAL			
OCCUPANCY:	R-2 -			
AREA SUBTOTAL:	1,729 SF			
LOAD FACTOR:	200 / GROSS SF			
OCCUPANT LOAD:	9			

OCCUPANT LOAD: 9



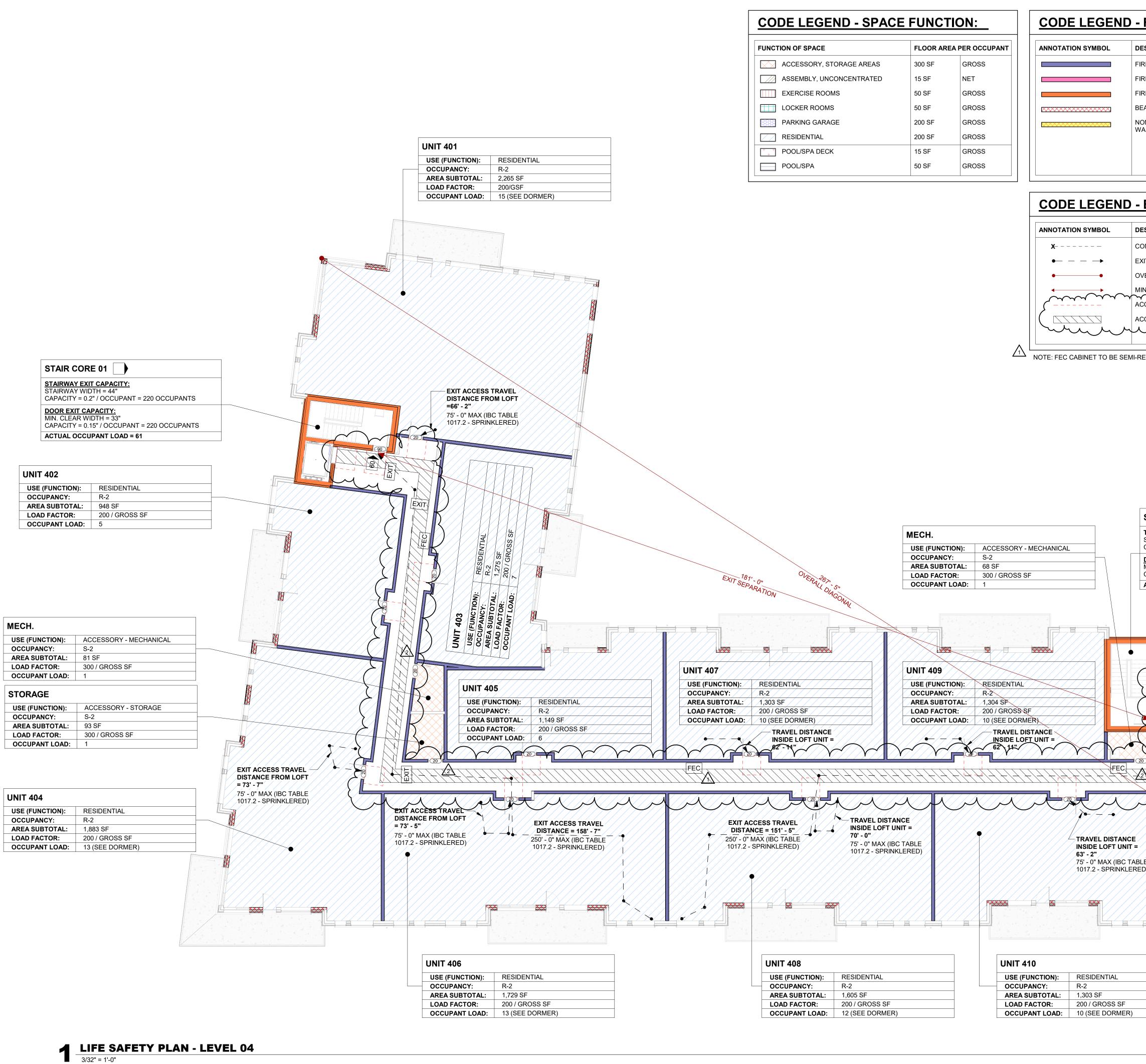


OCCUPANT LOAD: 7

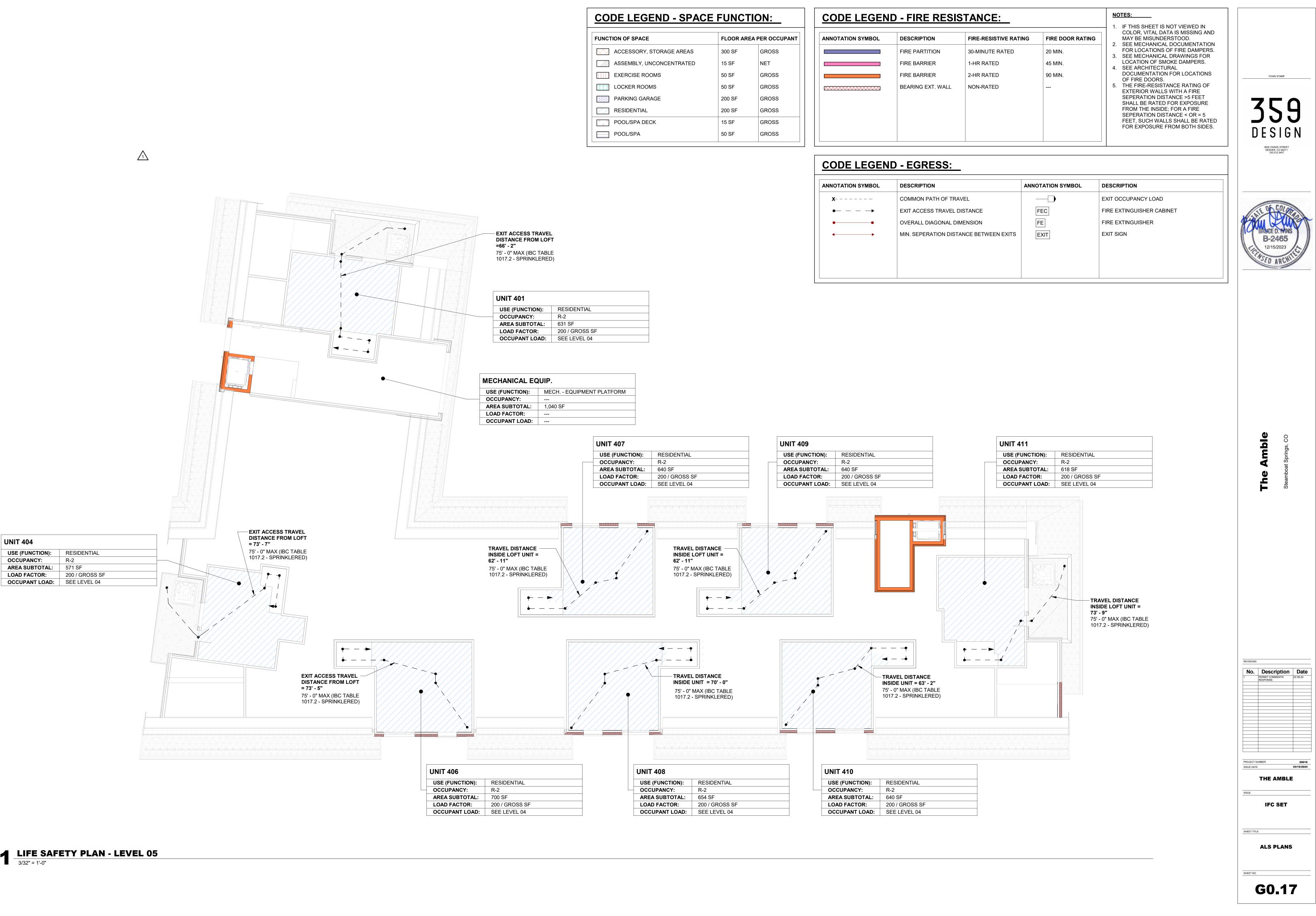
- FIRE RESIS	TANCE:		NOTES:	
DESCRIPTION FIRE PARTITION FIRE BARRIER FIRE BARRIER BEARING EXT. WALL NON-BEARING EXT. WALL, STRUC. FRAME	FIRE-RESISTIVE RATING 30-MINUTE RATED 1-HR RATED 2-HR RATED 2-HR RATED 2-HR RATED STRUC. FRAME	FIRE DOOR RATING 20 MIN. 45 MIN. 90 MIN	 IF THIS SHEET IS NOT VIEWED IN COLOR, VITAL DATA IS MISSING AND MAY BE MISUNDERSTOOD. SEE MECHANICAL DOCUMENTATION FOR LOCATIONS OF FIRE DAMPERS. SEE MECHANICAL DRAWINGS FOR LOCATION OF SMOKE DAMPERS. SEE ARCHITECTURAL DOCUMENTATION FOR LOCATIONS OF FIRE DOORS. THE FIRE-RESISTANCE RATING OF EXTERIOR WALLS WITH A FIRE SEPERATION DISTANCE >5 FEET SHALL BE RATED FOR EXPOSURE FROM THE INSIDE; FOR A FIRE SEPERATION DISTANCE < OR = 5 FEET, SUCH WALLS SHALL BE RATED FOR EXPOSURE FROM BOTH SIDES. 	<text></text>
- EGRESS:				
DESCRIPTION COMMON PATH OF TRAVE EXIT ACCESS TRAVEL DIS OVERALL DIAGONAL DIME MIN. SEPERATION DISTAN ACCESSIBLE ROUTE CLEA ACCESSIBLE ROUTE	EL FE TANCE FE ENSION FE ICE BETWEEN EXITS EX ARANCES F/ 3 F/	ATION SYMBOL	DESCRIPTIONEXIT OCCUPANCY LOADFIRE EXTINGUISHER CABINETFIRE EXTINGUISHEREXIT SIGNFIRE ALARM ANNUNCIATORFIRE ALARM CONTROL PANELGENERAL ANNUNCIATOR PANEL	BRSCE D. WINS B-2465 12/15/2023
DOOR EXIT CAPACITY: MIN. CLEAR WIDTH = 33	JPANT = 220 OCCUPANTS 3" CUPANT = 220 OCCUPANTS			The Amble Steamboard Springs, CO
	NITS 211 & 311 SE (FUNCTION): RESIDEN DCCUPANCY: R-2 AREA SUBTOTAL: 2,423 SF OAD FACTOR: 200 / GR DCCUPANT LOAD: 13			



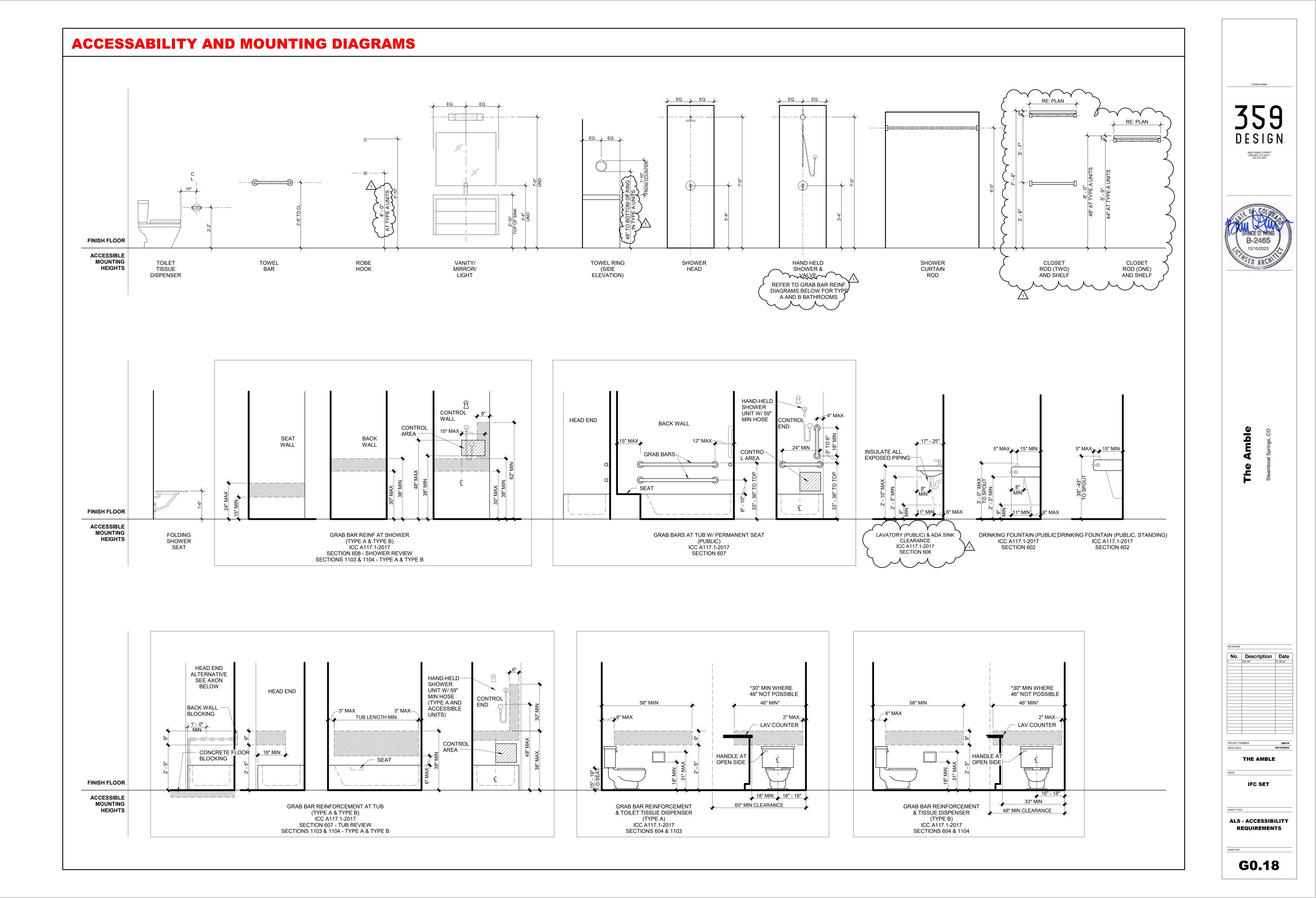
SHEET NO.

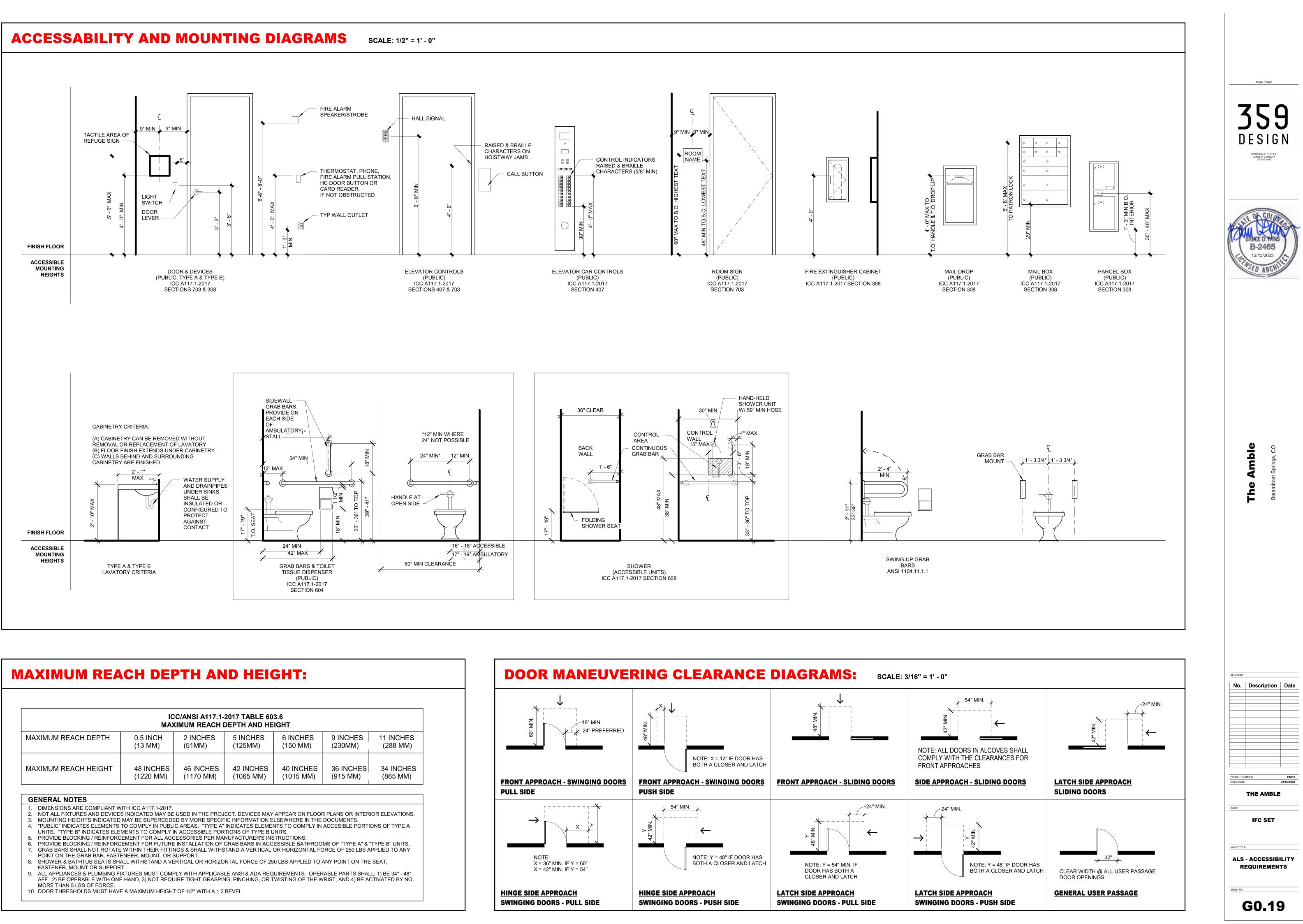


- FIRE RESISTANCE:		NOTES:		
DESCRIPTION FIRE PARTITION FIRE BARRIER FIRE BARRIER BEARING EXT. WALL NON-BEARING EXT. WALL, STRUC. FRAME	FIRE-RESISTIVE RATING 30-MINUTE RATED 1-HR RATED 2-HR RATED 2-HR RATED 2-HR RATED STRUC. FRAME	FIRE DOOR RATING 20 MIN. 45 MIN. 90 MIN	 IF THIS SHEET IS NOT VIEWED IN COLOR, VITAL DATA IS MISSING AND MAY BE MISUNDERSTOOD. SEE MECHANICAL DOCUMENTATION FOR LOCATIONS OF FIRE DAMPERS. SEE MECHANICAL DRAWINGS FOR LOCATION OF SMOKE DAMPERS. SEE ARCHITECTURAL DOCUMENTATION FOR LOCATIONS OF FIRE DOORS. THE FIRE-RESISTANCE RATING OF EXTERIOR WALLS WITH A FIRE SEPERATION DISTANCE >5 FEET SHALL BE RATED FOR EXPOSURE FROM THE INSIDE; FOR A FIRE SEPERATION DISTANCE < OR = 5 FEET, SUCH WALLS SHALL BE RATED FOR EXPOSURE FROM BOTH SIDES. 	town stamp 359 DESIGN
- EGRESS:				3630 OSAGE STREET DENVER, CO 80211 720.512.3437
DESCRIPTION COMMON PATH OF TRAVE EXIT ACCESS TRAVEL DIS OVERALL DIAGONAL DIME MIN. SEPERATION DISTAN ACCESSIBLE ROUTE CLE	EL FE STANCE FE ENSION FE NCE BETWEEN EXITS EX ARANCES F/ 3 F/		DESCRIPTION EXIT OCCUPANCY LOAD FIRE EXTINGUISHER CABINET FIRE EXTINGUISHER EXIT SIGN FIRE ALARM ANNUNCIATOR FIRE ALARM CONTROL PANEL GENERAL ANNUNCIATOR PANEL	BRSCE D. WINS BRSCE D. WINS B-2465 12/15/2023
II-RECESSED U.O.N.				
DOOR EXIT CAPACITY: MIN. CLEAR WIDTH = 3	" UPANT = 220 OCCUPANTS 3" CUPANT = 220 OCCUPANTS OAD = 59			The Amble Steamboat Springs, CO
	TRAVEL DISTANCE INSIDE LOFT UNIT = 73' - 9" 75' - 0" MAX (IBC TAB 1017.2 - SPRINKLERE			
E = ABLE RED)	UNIT 411			
	USE (FUNCTION): OCCUPANCY: AREA SUBTOTAL: LOAD FACTOR: OCCUPANT LOAD:	RESIDENTIAL R-2 2,423 SF 200 / GROSS SF 16 (SEE DORMER)		IFC SET
			-	SHEET TITLE ALS PLANS SHEET NO.

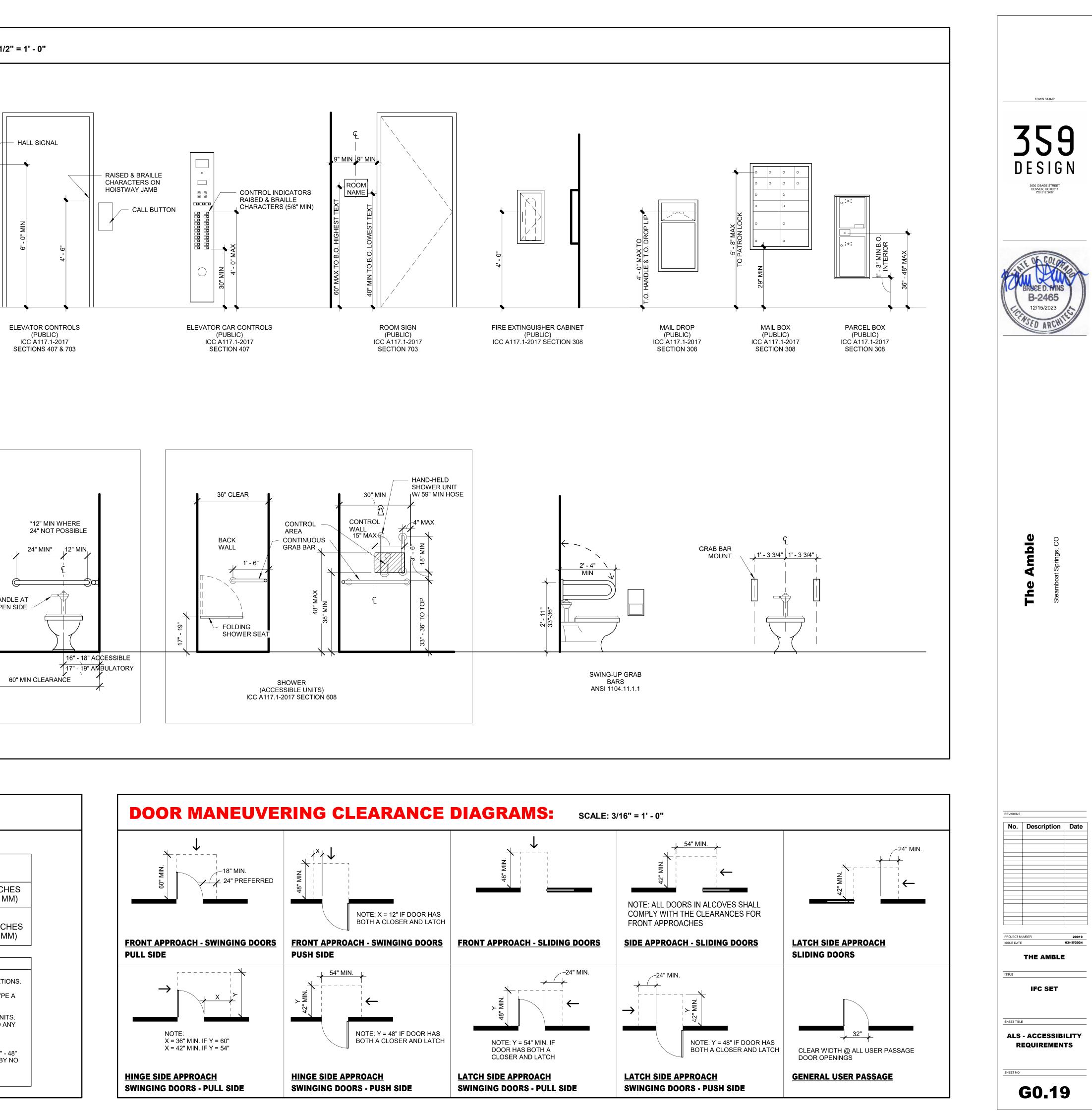


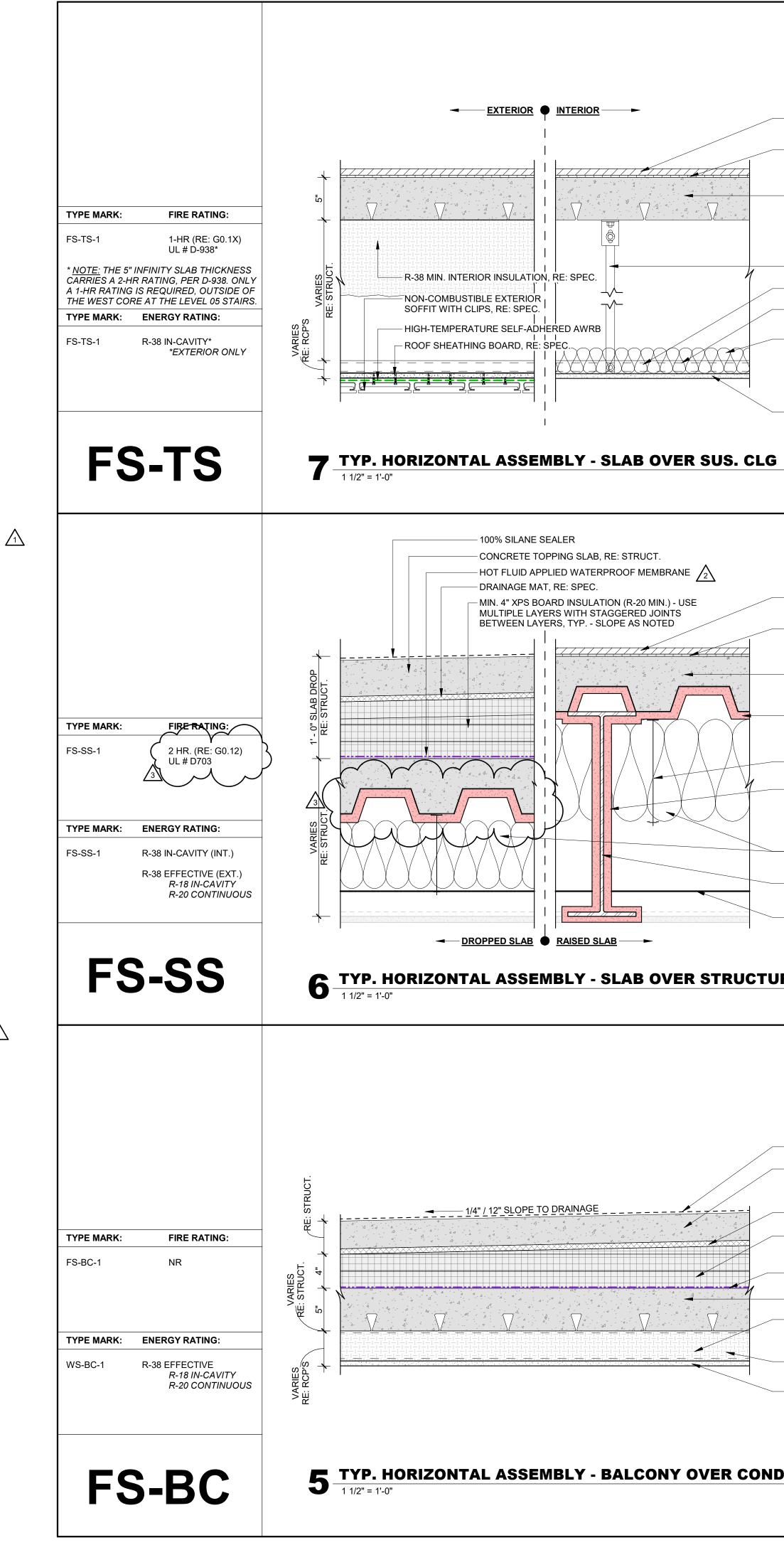






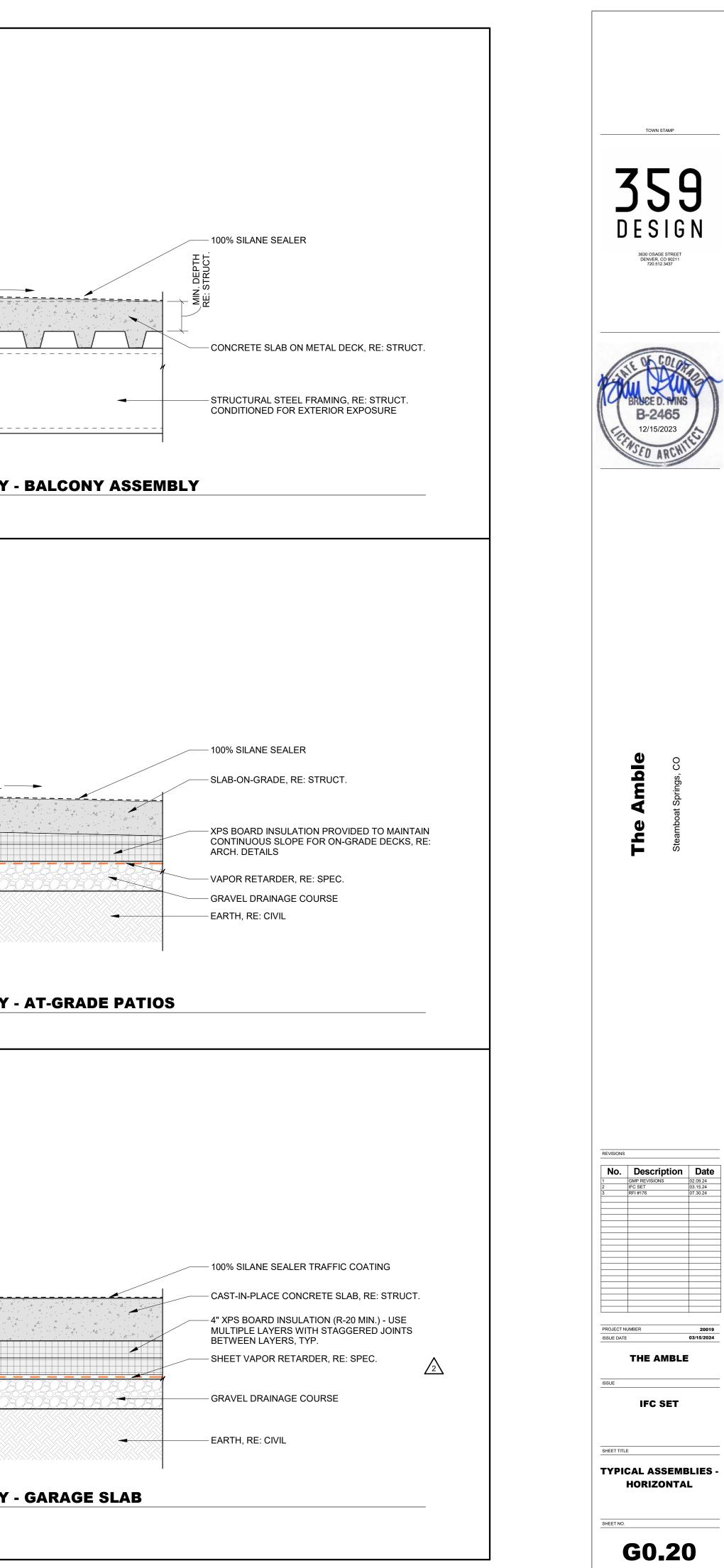
		C/ANSI A117.1- (IMUM REACH I				
MAXIMUM REACH DEPTH	0.5 INCH (13 MM)	2 INCHES (51MM)	5 INCHES (125MM)	6 INCHES (150 MM)	9 INCHES (230MM)	1
MAXIMUM REACH HEIGHT	48 INCHES (1220 MM)	46 INCHES (1170 MM)	42 INCHES (1065 MM)	40 INCHES (1015 MM)	36 INCHES (915 MM)	3
 DIMENSIONS ARE COMPLIANT W NOT ALL FIXTURES AND DEVICES MOUNTING HEIGHTS INDICATED "PUBLIC" INDICATES ELEMENTS UNITS. "TYPE B" INDICATES ELEI PROVIDE BLOCKING / REINFORC PROVIDE BLOCKING / REINFORC GRAB BARS SHALL NOT ROTATE POINT ON THE GRAB BAR, FASTE SHOWER & BATHTUB SEATS SH/ FASTENER, MOUNT OR SUPPOR ALL APPLIANCES & PLUMBING FI AFF.; 2) BE OPERABLE WITH ONE MORE THAN 5 LBS OF FORCE. DOOR THRESHOLDS MUST HAVE 	S INDICATED MAY BE MAY BE SUPERCEDE TO COMPLY IN PUBLI MENTS TO COMPLY II EMENT FOR ALL ACC EMENT FOR FUTURE WITHIN THEIR FITTIN ENEER, MOUNT, OR S ALL WITHSTAND A VE T. XTURES MUST COMP E HAND, 3) NOT REQU	ED BY MORE SPECIF C AREAS. "TYPE A" N ACCESSIBLE POR ESSORIES PER MAI INSTALLATION OF NGS & SHALL WITHS SUPPORT. RTICAL OR HORIZO PLY WITH APPLICABL IRE TIGHT GRASPIN	TIC INFORMATION E INDICATES ELEMENTIONS OF TYPE B UNIFACTURER'S INS GRAB BARS IN ACC TAND A VERTICAL ON NTAL FORCE OF 25 LE ANSI & ADA REQ IG, PINCHING, OR T	LSEWHERE IN THE NTS TO COMPLY IN INITS. STRUCTIONS. ESSIBLE BATHROO OR HORIZONTAL FC 0 LBS APPLIED TO / UIREMENTS. OPER	DOCUMENTS. ACCESIBLE PORTIC MS OF "TYPE A" & " DRCE OF 250 LBS AF ANY POINT ON THE RABLE PARTS SHALI	DNS TYPE PPLII SEA L: 1)



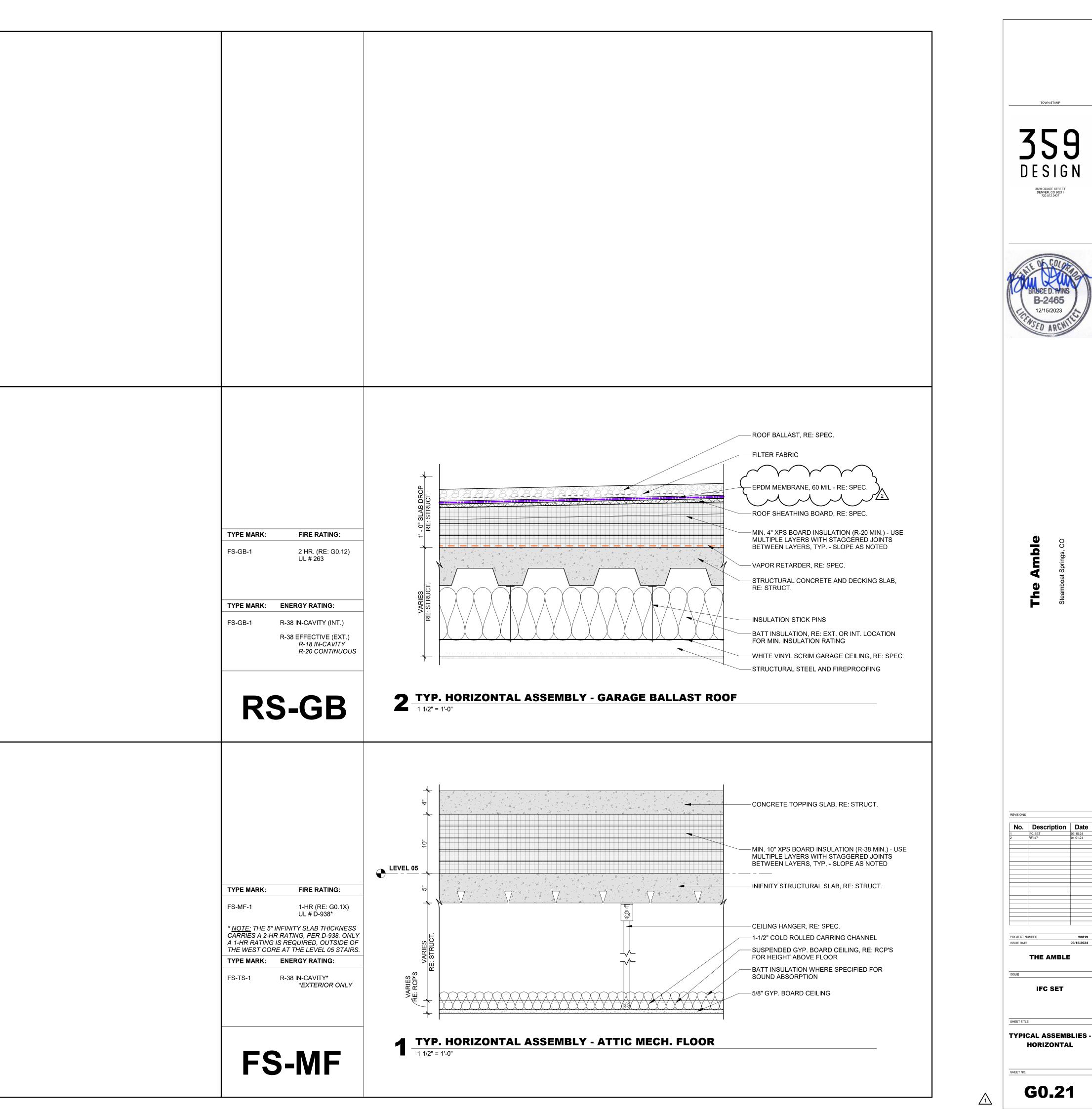


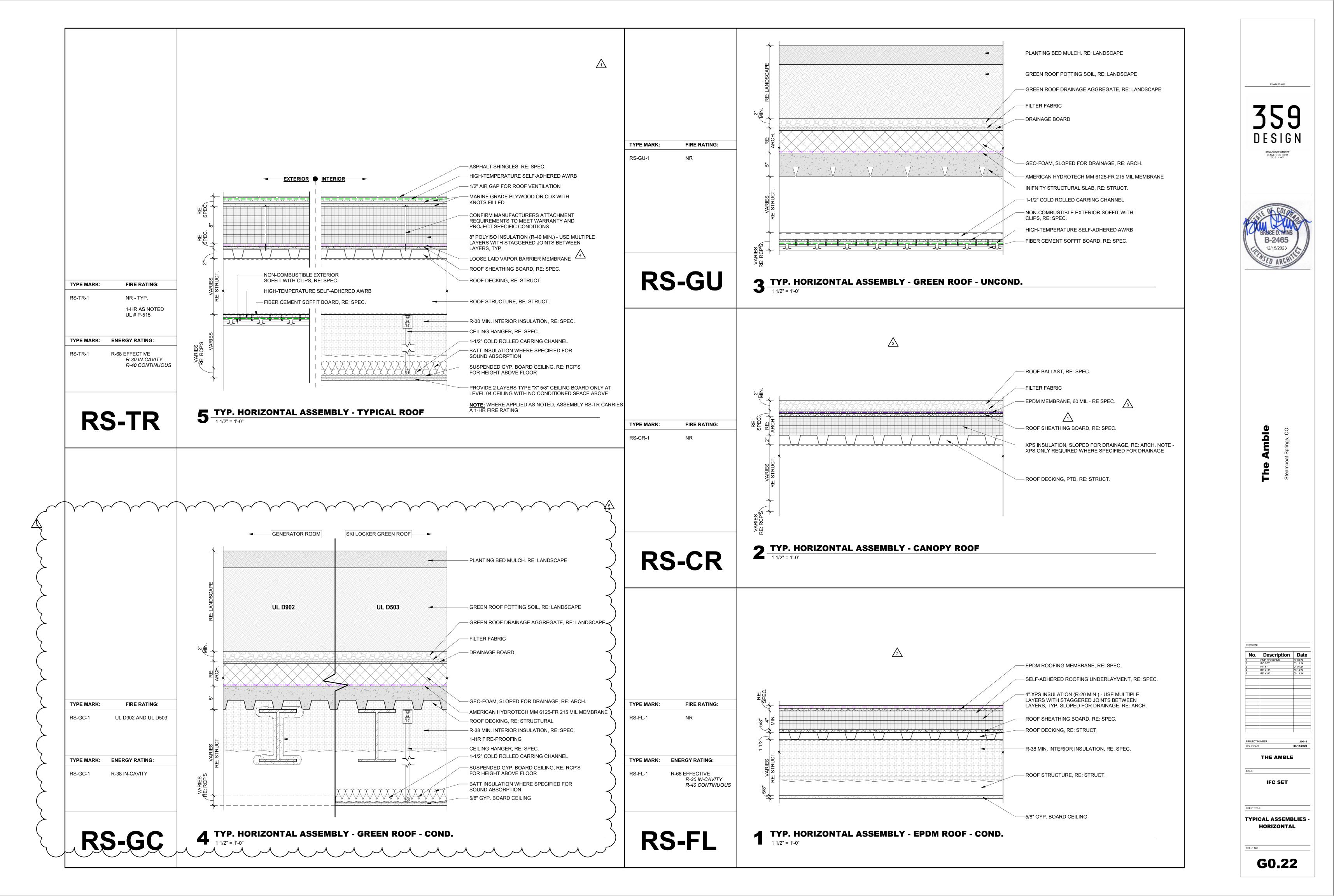
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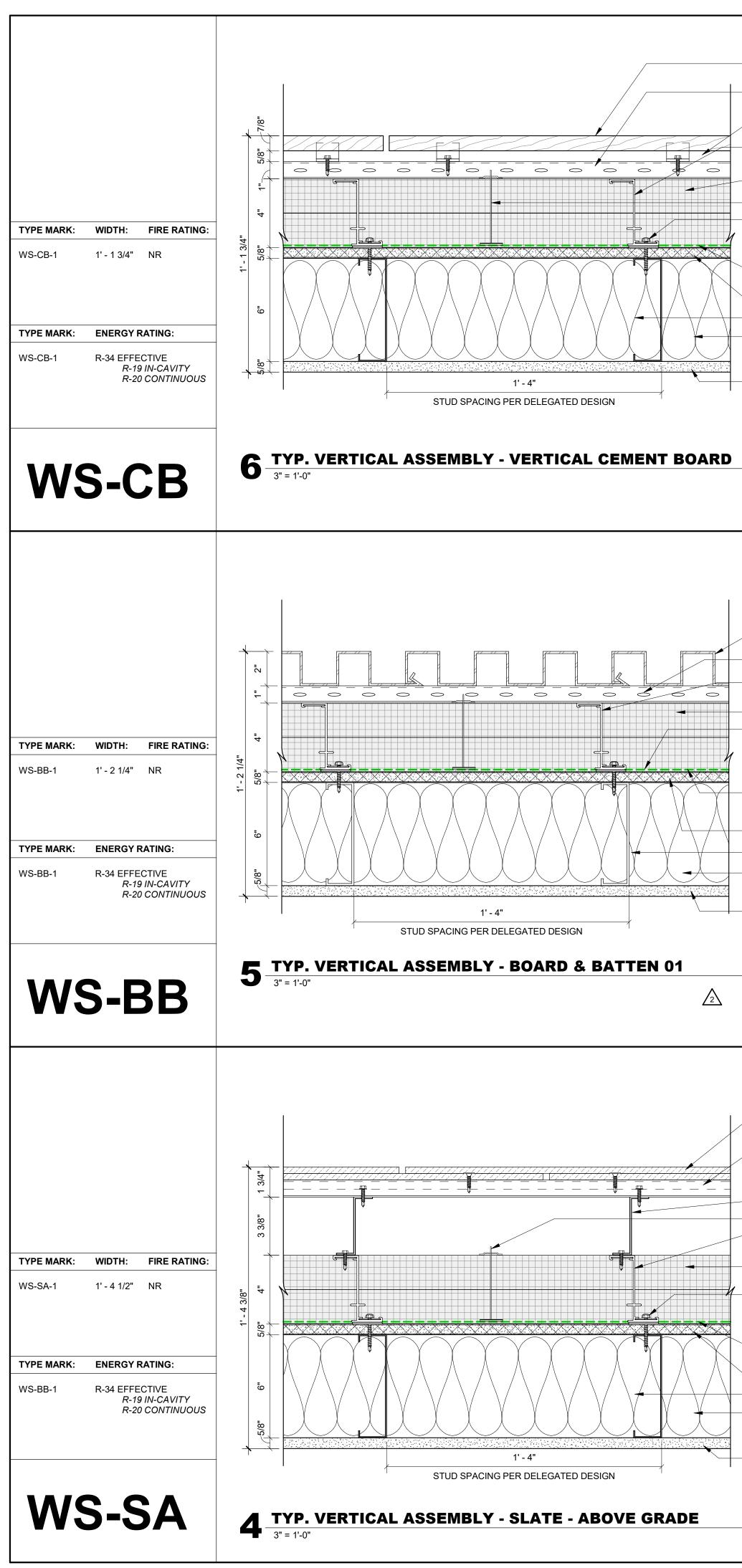
— 5MM ACOUSTICAL MAT, RE: SPEC.		
— INIFNITY STRUCTURAL SLAB, RE: STRUCT.		
	TYPE MARK: FIRE RATING: FS-BA-1 NR	
— CEILING HANGER, RE: SPEC.		SLOPE TO EDGE 1/4" MAX, RE: ARCH.
— 1-1/2" COLD ROLLED CEILING CHANNEL		
BATT INSULATION WHERE SPECIFIED FOR SOUND ABSORPTION		-0 V
— 5/8" GYP. BOARD CEILING		
- 5/6 GTF. BOARD CEILING		
	FS-BA	3 TYP. HORIZONTAL ASSEMBLY 1 1/2" = 1'-0"
— FINISH FLOOR, RE: FINISH PLANS AND FINISH		
SCHEDULE — 5MM ACOUSTICAL MAT, RE: SPEC.		
		Δ
CEILING, RE: STRUCT. — 2-HR SPRAY APPLIED FIRE-PROOFING TO UNDER-		
SIDE OF DECK	TYPE MARK: FIRE RATING: FS-GP-1 NR	
- INSULATION STICK PINS		SLOPE TO EDGE 1/4" MAX, RE: ARCH. —
— 2-HR SPRAY APPLIED FIRE PROOFING PER UL ASSEMBLY 263 DESIGN NO. N655 AROUND EXPOSED STRUCTURAL STEEL	TYPE MARK: ENERGY RATING:	
— BATT INSULATION, RE: EXT. OR INT. LOCATION FOR MIN. INSULATION RATING	FS-GP-1 R-20 CONTINUOUS	
— LEVEL 01 STRUCTURAL STEEL, RE: STRUCT.		
IDE	FS-GP	- TVD HODIZONTAL ASSEMBLY
IRE	FJ-GF	2 TYP. HORIZONTAL ASSEMBLY 1 1/2" = 1'-0"
— 100% SILANE SEALER		
— CONCRETE TOPPING SLAB, RE: STRUCT. 2		
DRAINAGE MAT		
	TYPE MARK: FIRE RATING:	
BETWEEN LAYERS, TYP SLOPE AS NOTED — HOT FLUID APPLIED WATERPROOF MEMBRANE,RE: SPEC.	FS-GS-1 NR FS-GS-2 NR	9
— INIFNITY STRUCTURAL SLAB, RE: STRUCT.		
— 1-1/2" COLD ROLLED CARRING CHANNEL	TYPE MARK: ENERGY RATING:	
— MIN. 3" SPRAY-APPLIED POLYURETHANE INSULATION (R-18 MIN.)	WS-GS-1 R-20 CONTINUOUS FS-GS-2 R-20 CONTINUOUS	4
D		TYP. HORIZONTAL ASSEMBLY
	FS-GS	1 1/2" = 1'-0"



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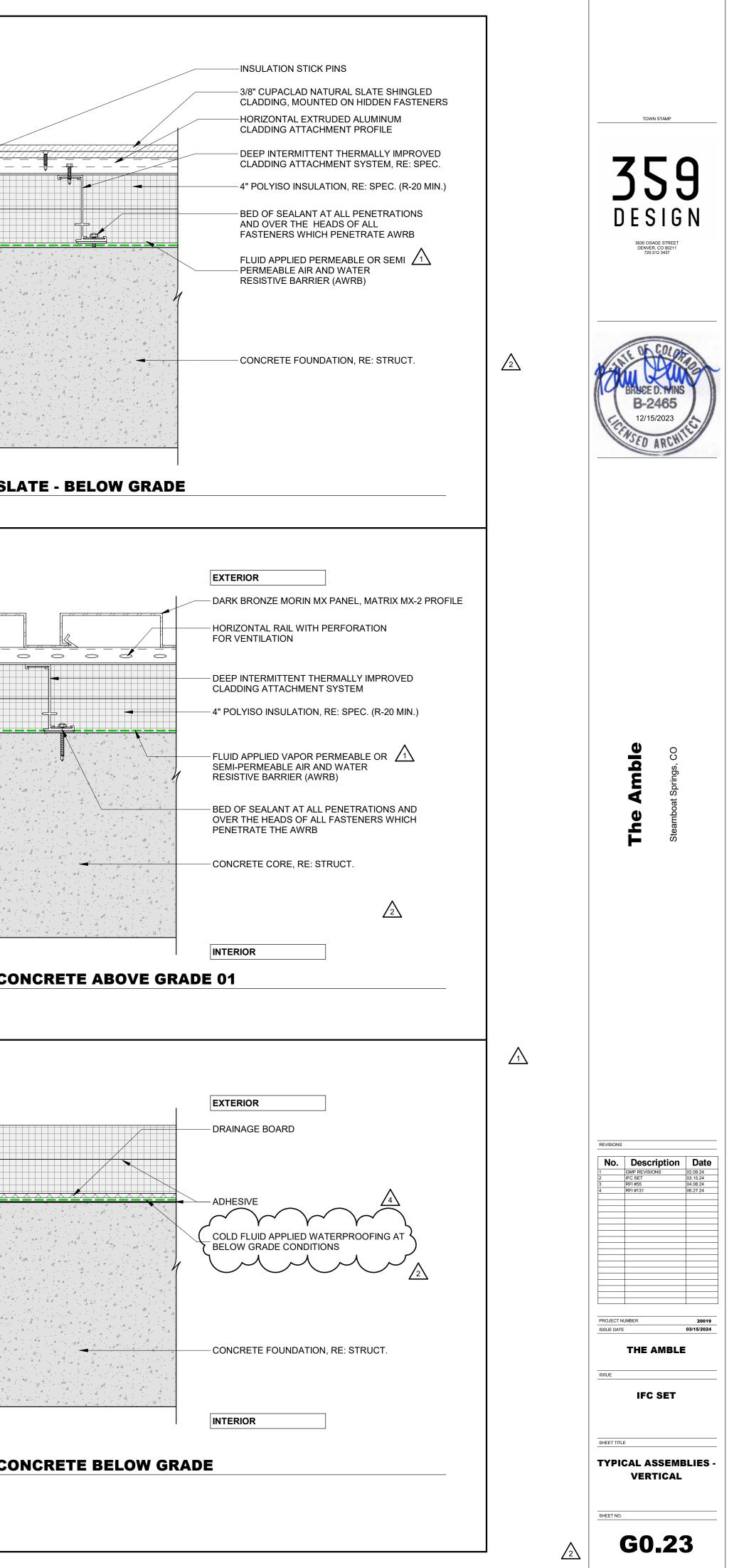


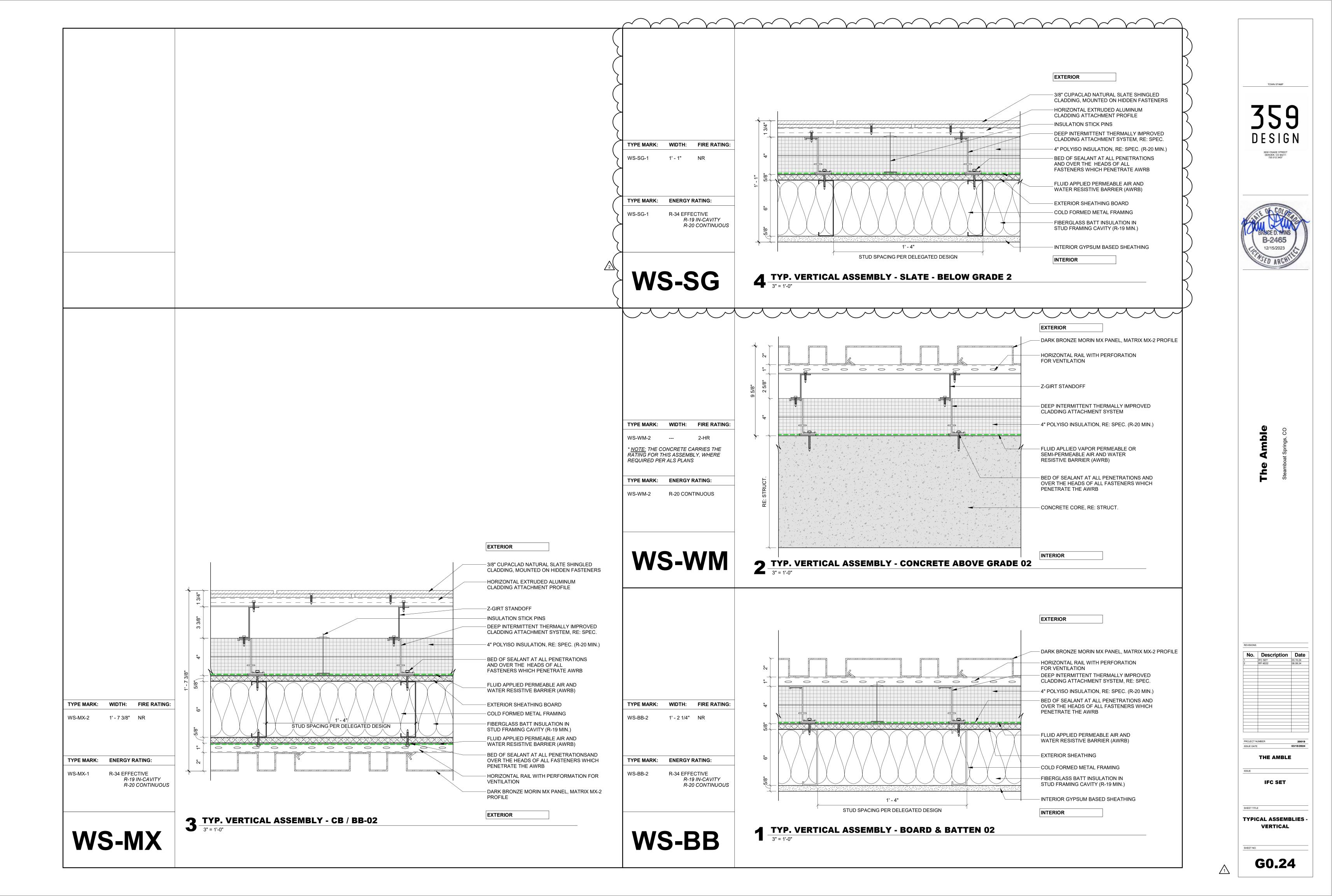


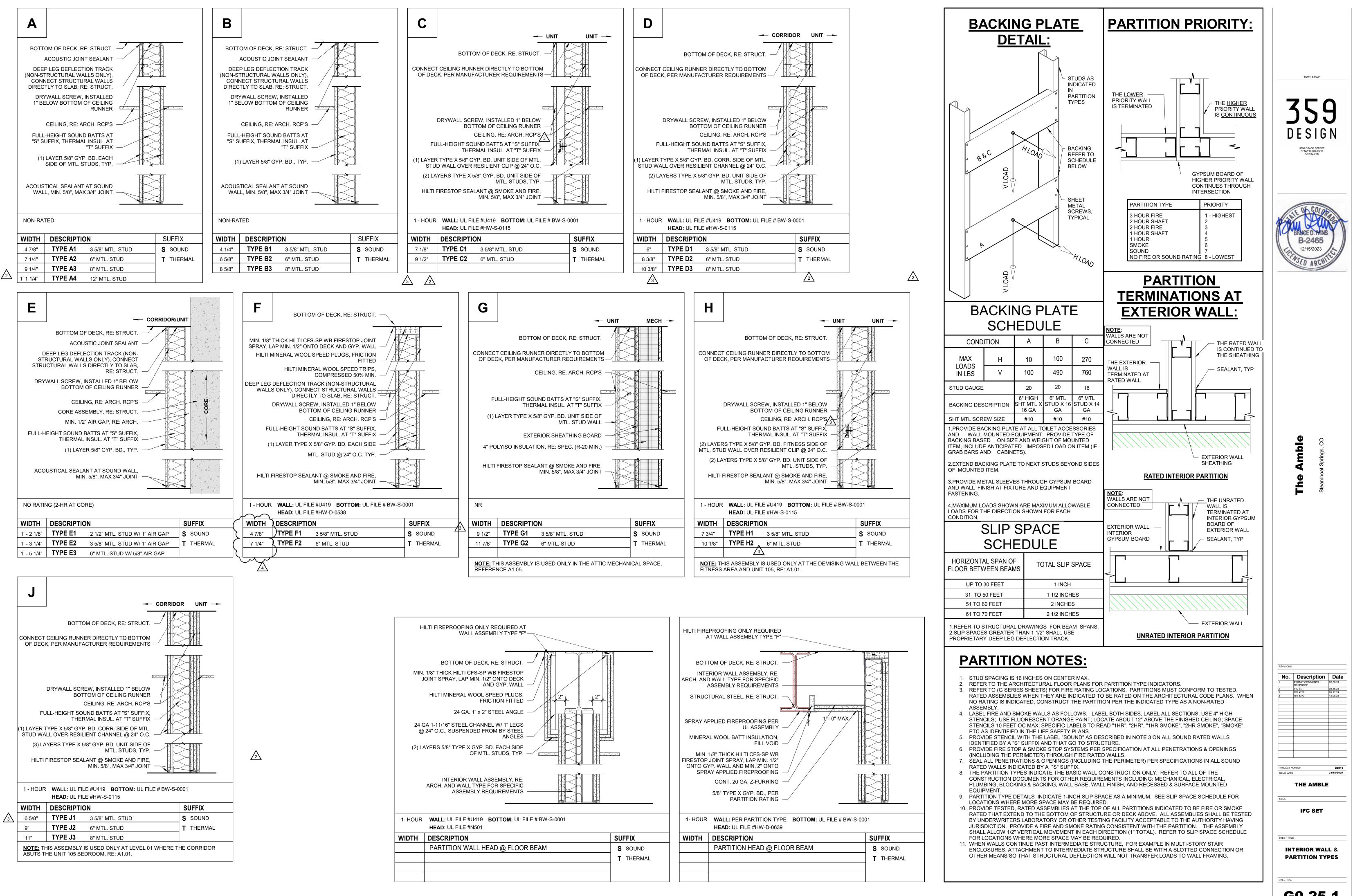


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EXTERIOR			
GROOVE CLADDING ON BLIND CLIPS HORIZONTAL RAIL WITH PERFORATION			
FOR VENTILATION			
DEEP INTERMITTENT THERMALLY IMPROVED		34"	Z
4" POLYISO INSULATION, RE: SPEC. (R-20 MIN.)			
BED OF SEALANT AT ALL PENETRATIONS AND OVER THE HEADS OF ALL	TYPE MARK: WIDTH: FIRE RATING:		
FASTENERS WHICH PENETRATE AWRB	WS-SU-1 2-HR		4
FLUID APPLIED PERMEABLE AIR AND WATER RESISTIVE BARRIER (AWRB)	* <u>NOTE:</u> THE CONCRETE CARRIES THE		44.
EXTERIOR SHEATHING BOARD	RATING FOR THIS ASSEMBLY, WHERE REQUIRED PER ALS PLANS		`A`A *
COLD FORMED METAL FRAMING 	TYPE MARK: ENERGY RATING:		4
STUD FRAMING CAVITY (R-19 MIN.)	WS-SU-1 R-20 CONTINUOUS		4 P
INTERIOR GYPSUM BASED SHEATHING			44
INTERIOR			A 4
			A
			1 V
	WS-SU	2 TYP. VERTICAL ASSEMBLY -	S
		3" = 1'-0"	
EXTERIOR			
MEDIUM GRAY MORIN MX PANEL, MATRIX MX-1 PROFILE			ľ
HORIZONTAL RAIL WITH PERFORATION FOR VENTILATION			>
—— DEEP INTERMITTENT THERMALLY IMPROVED CLADDING ATTACHMENT SYSTEM, RE: SPEC.			
OVER THE HEADS OF ALL FASTENERS WHICH PENETRATE THE AWRB	TYPE MARK: WIDTH: FIRE RATING:		4 . 4
$\sqrt{1}$	WS-WM-1 2-HR		44
FLUID APPLIED PERMEABLE AIR AND WATER RESISTIVE BARRIER (AWRB)	* <u>NOTE:</u> THE CONCRETE CARRIES THE RATING FOR THIS ASSEMBLY, WHERE REQUIRED PER ALS PLANS		· 4 · 4 ·
EXTERIOR SHEATHING			4
COLD FORMED METAL FRAMING	TYPE MARK: ENERGY RATING:		
FIBERGLASS BATT INSULATION IN STUD FRAMING CAVITY (R-19 MIN.)	WS-WM-1 R-20 CONTINUOUS		44.
			4
INTERIOR			
	WS-WM	2 TYP. VERTICAL ASSEMBLY -	C
		3" = 1'-0"	
EXTERIOR			
3/8" CUPACLAD NATURAL SLATE SHINGLED CLADDING, MOUNTED ON HIDDEN FASTENERS			
HORIZONTAL EXTRUDED ALUMINUM			
CLADDING ATTACHMENT PROFILE		4 1/2" 4 *	
Z-GIRT STANDOFF			
INSULATION STICK PINS DEEP INTERMITTENT THERMALLY IMPROVED			4 4
CLADDING ATTACHMENT SYSTEM, RE: SPEC.	TYPE MARK: WIDTH: FIRE RATING:		44°°°
4" POLYISO INSULATION, RE: SPEC. (R-20 MIN.)	WS-WC-1 2-HR		. 4. 4
BED OF SEALANT AT ALL PENETRATIONS AND OVER THE HEADS OF ALL FASTENERS WHICH PENETRATE AWRB	* <u>NOTE:</u> THE CONCRETE CARRIES THE		4
FASTENERS WHICH PENETRATE AWRB	RATING FOR THIS ASSEMBLY, WHERE REQUIRED PER ALS PLANS		4.4
WATER RESISTIVE BARRIER (AWRB)	TYPE MARK: ENERGY RATING:		
EXTERIOR SHEATHING BOARD	WS-WC-1 R-20 CONTINUOUS		4
FIBERGLASS BATT INSULATION IN			A
STUD FRAMING CAVITY (R-19 MIN.)			
INTERIOR GYPSUM BASED SHEATHING		A TVD VEDTICAL ACCEMPLY	
INTERIOR		1 TYP. VERTICAL ASSEMBLY - 3" = 1'-0"	
	WS-WC		
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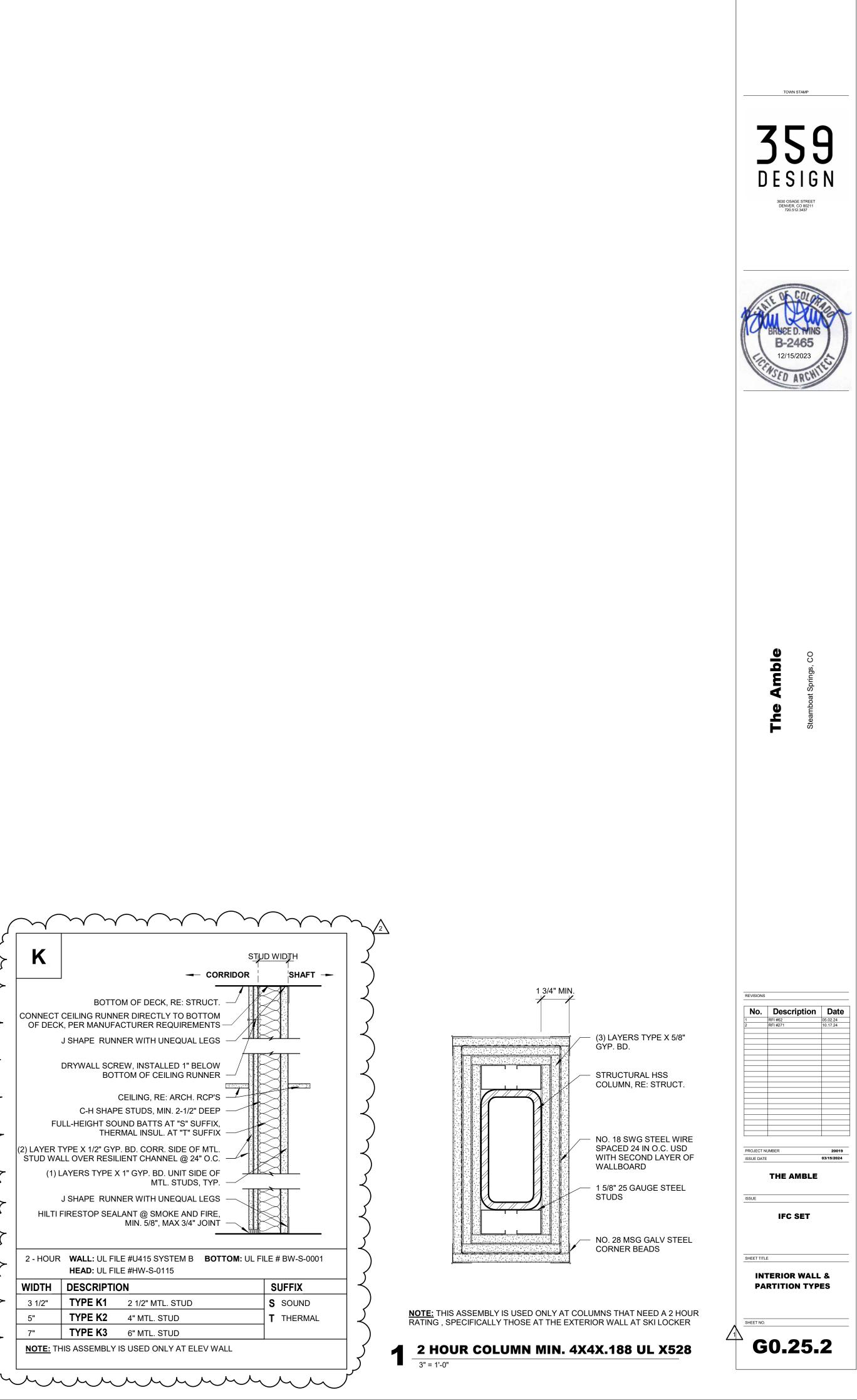




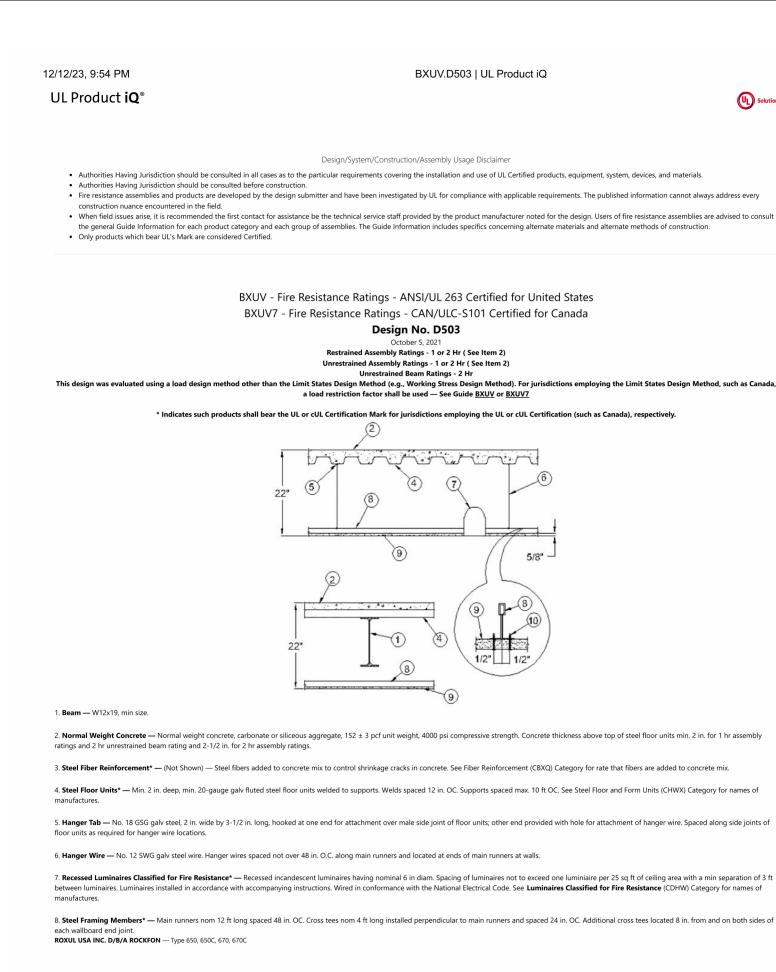


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	вотт	OM OF DEC	K. RE: STE	RUCT. –
	CEILING RUNI	NER DIRECT	LY TO BO	ТТОМ
	, PER MANUF			
	J SHAPE RUN	INER WITH	UNEQUAL	LEGS –
	DRYWALL SCI BO	REW, INSTA TTOM OF C		
		CEILING, R	E: ARCH. F	
	C-H SHAF	PE STUDS, I	MIN. 2-1/2"	DEEP –
FULL-HEIGHT SOUND BATTS AT "S" SUFFIX, THERMAL INSUL. AT "T" SUFFIX				
(2) LAYER TYPE X 1/2" GYP. BD. CORR. SIDE OF MTL. STUD WALL OVER RESILIENT CHANNEL @ 24" O.C				
(1) LAYERS TYPE X 1" GYP. BD. UNIT SIDE OF MTL. STUDS, TYP. –				
J SHAPE RUNNER WITH UNEQUAL LEGS -				
HILTI FIRESTOP SEALANT @ SMOKE AND FIRE, MIN. 5/8", MAX 3/4" JOINT -				
2 - HOUR WALL: UL FILE #U415 SYSTEM B BOTTO HEAD: UL FILE #HW-S-0115				
WIDTH	DESCRIPT	ON		
3 1/2"	TYPE K1	2 1/2" M	TL. STUD	
5"	TYPE K2	4" MTL.	STUD	
7"	TYPE K3	6" MTL.	STUD	
NOTE: TH	IIS ASSEMBLY	IS USED O	NLY AT ELI	EV WALI
<u> </u>				



UL Solutions



8A. Steel Framing Members* — As an alternate to Item 8. Main runners, cross tees, cross channels and wall angle as listed below: a. Main Runners — Nom 10 or 12 ft. long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft. OC. Main runners suspended by min 12 SWG galv steel hanger wires spaced 48 in. OC. Hanger wires to be located adjacent to main unner/cross tee intersections. b. Cross Tees — Nom 4 ft. long, 1-1/2 in. wide face, installed perpendicular to the main runners, spaced 24 in. OC. Additional cross tees or cross channels used at 8 in. from each side of butted wallboard end joints. The cross tees or cross channels may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation.

c. Cross Channels - Nom 4 ft. long installed perpendicular to main runners spaced 24 in. OC

MAXXON CORP — Types Maxxon Standard and Maxxon High Strength

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Floor Mat Materials* — (Optional - Not shown - For use with floor topping mixtures) - Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor opping over each floor mat material. MAXXON CORP — Type Encapsulated Sound Mat

Floor Mat Reinforcement — (Optional - Not shown) - Refer to manufacturer's instructions regarding minimum thickness of floor topping for use with floor mat reinforcement.

Metal Lath — (Optional - Not shown) — 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd loose laid over the floor mat material.

Fiber Glass Reinforcement — (Optional - Not Shown) - 0.015 in. thick PVC coated non-woven fiberglass mesh, 0.368 lbs/sq yd loose laid over the floor mat material. 3. Welded Wire Fabric — 6 x 6-W1.4 x W1.4 SWG

4. Steel Floor or Form Units* — Composite — Nom. 2 in. deep 16, 24, or 32 in. wide, 22 MSG min galv fluted units. Welded to supports 12 in. OC max. Adjacent units screwed or welded 36 in. OC at joints. EPIC METALS CORP — Types EPICORE MSR and MSR-V

5. Spray-Applied Fire Resistance Materials* — Applied by mixing with water and spraying in more than one coat to the beam to the final thicknesses shown below. When floor units are used the supporting beam shall be sprayed with Spray-Applied Fire Resistive Materials. Beam surfaces must be clean and free of dirt, loose scale and oil. Min average and min ind. density of 15/14 pcf, respectively. Min avg and min ind. density of 22/19 pcf, respectively for Types Z-106, Z-106/G. For method of density determination, see Design Information Section. The thicknesses of Spray-Applied Fire Resistive Materials is shown in the table below are applicable when the beams are supporting solid concrete slabs or floor assemblies containing only fluted floor or form units. ARABIAN VERMICULITE INDUSTRIES — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Z-106, Z-106-G

GCP APPLIED TECHNOLOGIES INC — Types MK-6/HY, MK-6s, RG, Z-106, Z-106/G GCP KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Z-106, Z-106/G

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Inrestrained Bea **Restrained Assembly** Rating, Hr Rating, Hr Min Thkns, In. (Beam) 7/16 1-9/16

6. Shear Connector Studs — Optional — Studs, 3/4 in. diam by 3 in. long headed type or equivalent per AISC Specifications. Welded to the top flange of the beam through the steel form units 7. Gypsum Board* — Optional — Any type or thickness of gypsum board may be directly attached to the underside of the steel deck (Item 4) or attached to furring channels which are attached to the steel deck. When

installed under the deck, it shall not interfere with installation of the fireproofing (Item 5). Any soffit provided around the beam shall not be connected to the bear * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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screw-attachment of the gypsum wallboard. CGC INC — Type DGL or RX.

USG INTERIORS LLC — Type DGL or RX.

88. Steel Framing Members* — (Not Shown) — As an alternate to Items 8 and 8A - Main runners nom 12 ft long, spaced 72 in. OC. Cross tees, nom 6 ft long, installed perpendicular to main runners and spaced 24 in. OC. Additional 6 ft long cross tees required at each gypsum board end joint with butted gypsum board end joints centered between cross tees spaced 8 in. OC. The main runners and cross tees may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation. USG INTERIORS LLC — Type DGL or RX

d. Wall Angle or Channel — Painted or galv steel angle with 1 in. legs or channel with 1 in. legs, 1-9/16 in. deep attached to walls at perimeter of ceiling with fasteners 16 in. OC. To support steel framing member ends and for

8C. Steel Framing Members* — (Not Shown) - As an alternate to Items 8 through 8B - Main runners nom 12 ft long, spaced 48 in. OC. Main runners suspended by min 12 SWG galv steel hanger wires spaced 48 in. OC. Hanger wires to be located adjacent to main runner/cross tee intersections. Cross tees, nom 4 ft. long, installed perpendicular to main runners and spaced 24 in. OC. Additional 4 ft. long cross tees required at 6 in. from each side of butted gypsum board end joints. The cross tees shall be riveted with 1/8 in. dia. rivets to the wall angle and to the main tee where the cross tee does not align with slot in the main tee. Galvanized steel wall angle with 1-1/2 in. legs attached to walls at perimeter of ceiling with fasteners at 16 in. OC. to support steel framing member ends and for screw-attachment of the gypsum board. CERTAINTEED CORP — Types DWS12-13-20, DWS4.16-13-20, DWS4-13-20, DWS2-13-20, DWS2.16-13-20 and DWA1.5-1.5

CERTAINTEED CORP — Types EZDWS12-13-18, EZDWS4.16-13-18, EZDWS4-13-18, EZDWS2-13-18, EZDWS2.16-13-18 and DWA1.5-1.5

8D. Steel Framing Members* — (Not Shown) — As an alternate to Items 8 through 8C. Main runners nom 12 ft long, spaced 72 in. OC. Main runners suspended by min 12 SWG galv steel hanger wires spaced 48 in. OC. Cross tees, nom 6 ft long, installed perpendicular to main runners and spaced 24 in. OC. Additional 6 ft long cross tees required at each gypsum board end joint with butted gypsum board end joints centered between cross tees spaced 8 in. OC. The main runners and cross tees may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation. ROXUL USA INC. D/B/A ROCKFON — Type 670C

9. Gypsum Board* — 5/8 in. thick, 4 ft wide, installed with long dimension perpendicular to cross tees with side joints centered along main runners. Wallboard fastened to each cross tee with five wallboard screws with one screw located at the mid-span of the cross tee, one screw located 12 in. from and on each side of the cross tee mid-span, and one screw located 1-1/2 in. from each wallboard side joint. Except at wallboard end joints, wallboard screws shall be located on alternating sides of cross tee flange.

At wallboard end joints, wallboard screws shall be located 1/2 in. from the joint. Wallboard fastened to main runners with wallboard screws, 1/2 in. from side joints midway between intersections with cross tees (24 in. OC) End joints of adjacent wallboard screws shall be located in the staggered not less than 4 ft OC. Wallboard screw-attached to leg of wall angle with wallboard screws spaced 12 in. OC. When alternate Steel Framing Members* (Item 88 and 8D) are used, gypsum board sheets installed with long dimension (side joints) perpendicular to the 6 ft long cross tees with the end joints staggered min 4 ft and centered between cross tees which are spaced 8 in. OC. Gypsum board side joints may occur beneath or between main runners. Prior to installation of the gypsum board sheets, backer strips consisting of nom 7-3/4 in. wide pieces of gypsum board are to be laid atop the cross tee flanges and centered over each butted end joint location. The backer strips are to be secured to the flanges of the cross tees at opposite corners of the backer strip with hold down clips to prevent the backer strips from being uplifted during screw-attachment of the gypsum board sheets. Gypsum board fastened to cross tees with 1 in. drywall screws spaced 1 in. and 4 in. from the side joints and max 8 in. OC in the field of the board. The butted end joints are to be secured to the backer strip with No. 10 by 1-1/2 in. long Type G laminating screws located 1 in. from each side of the butted end joint and spaced 1 in. and 4 in. from the side joints and max 8 in. OC in the field of the board.

AMERICAN GYPSUM CO — Type AG-C CGC INC — Type C, ULIX

UNITED STATES GYPSUM CO — Type C, ULIX

USG BORAL DRYWALL SFZ LLC — Type O

USG MEXICO S A DE C V — Type C

9A. Gypsum Board* — For use when alternate Steel Framing Members* (Item 8C) are used - 1/2 in. thick, 4 ft. wide; installed with long dimension parallel to main runners and perpendicular to the 4 ft. long cross tees with the end joints centered between cross tees which are spaced 6 in, OC. Sheets are attached to cross tees with screws spaced 8 in, OC on the ends and 12 in, OC in the field with additional screws located 1-1/2 in, from the side edges. Sheets are attached to the main tees with screws spaced 8 in. OC with additional screws located 4 in. OC from the edges. Screws on the sides are located 1/2 in. from the side edge of the gypsum board. AMERICAN GYPSUM CO — Type AG-C

CERTAINTEED GYPSUM INC — Type C

10. Screw, Wallboard — Type S-12, 1 in. long, self-drilling and self-tapping, 0.163 in. thread diam, 5/16 in. diam heads.

11. Finishing System — (Not Shown) — Paper tape embedded in compound over joints and covered with additional compound. Exposed screw heads covered with compound. Edges of compound feathered out.

12. Wall Angle — (Not Shown) — No. 26 MSG angle with 1-1/8 in. legs, nailed to the walls along perimeter of ceiling to support steel framing member ends and for screw-attachment of the gypsum wallboard.

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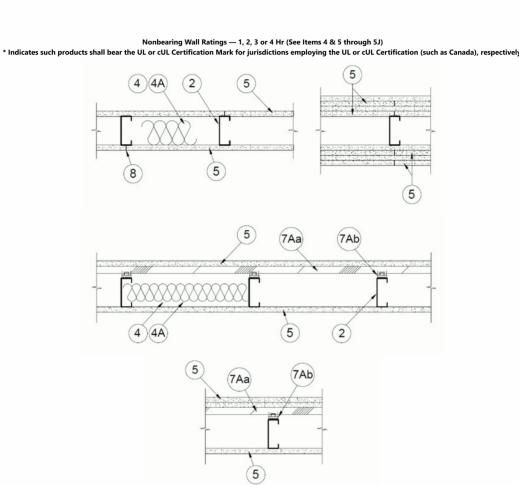
When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction. Only products which bear UL's Mark are considered Certified.

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

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances Design No**. U419**

December 1, 2023



1. Floor and Ceiling Runners — (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

CEMCO, LLC — Viper25™ Track **CRACO MFG INC** — SmartTrack25[™]

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track IMPERIAL MANUFACTURING GROUP INC — Viper25^m Track

1B. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CEMCO, LLC — Viper20[™] Track https://iq.ulprospector.com/en/profile?e=14979

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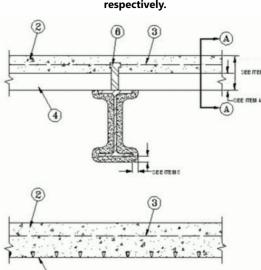
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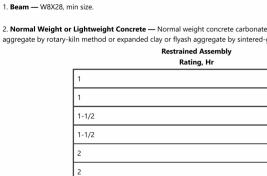
• When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult Only products which bear UL's Mark are considered Certified.

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

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For





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MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20[™] Track IMPERIAL MANUFACTURING GROUP INC — Viper20[™] Track

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1C. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Item 1 — Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max. ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20 CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20 QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20 SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20 STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EOD and Type SUPREME D20 TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20 UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

to floor and ceiling with fasteners spaced max 24 in. OC

steel, attached to floor and ceiling with fasteners 24 in. OC. max. CLARKDIETRICH BUILDING SYSTEMS - CD ProTRAK

DMFCWBS L L C — ProTRAK MBA METAL FRAMING — ProTRAK RAM SALES L L C — Ram ProTRAK STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. SUPER STUD BUILDING PRODUCTS — The Edge

STUDCO BUILDING SYSTEMS — CROCSTUD Trac

min 0.018 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC. MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20[™] Track VT100 IMPERIAL MANUFACTURING GROUP INC — Viper20[™] Track VT100

floor and ceiling with fasteners 24 in. OC. max. TELLING INDUSTRIES L L C — TRUE-TRACK™

attached to floor and ceiling with fasteners spaced 24 in. OC max. steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

and ceiling with fasteners spaced 24 in. OC max. **RONDO BUILDING SERVICES PTY LTD** — Rondo Wall Track

and ceiling with fasteners spaced 24 in. OC max. OEG BUILDING MATERIALS — OEG Track

HYPERFRAME INC - Hypertrack

RESCUE METAL FRAMING, L L C — AlphaTRAK

min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max. CEMCO, LLC — Viper X Track

1P. Framing Members* — Floor and Ceiling Runner — (Not Shown — Alternate to Item 1) — For use with Item 2R, channel shaped runners pre-equipped with proprietary attachment clips. Min. 3-5/8 in. wide. Legs of top runners minimum 3-1/4 in. wide. Legs of top runners attached to floor and ceiling with fasteners 24 in. OC max.

galvanized steel, attached to floor and ceiling with fasteners spaced 24 in. OC max

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JJC INTERNATIONAL DISTRIBUTORS — Non-structural Tracks 3-5/8" and 6".

BXUV.D938 | UL Product iQ

UL Solution

the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.

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

Design No. D938 February 14, 2020

Restrained Assembly Ratings - 1, 1-1/2, 2 & 3Hr

Unrestrained Assembly Ratings - 3/4 Hr Unrestrained Beam Ratings - 1, 1-1/2, 2 and 3 Hr

jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7 * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),

SECTION A-A

2. Normal Weight or Lightweight Concrete — Normal weight concrete carbonate or siliceous aggregate, 150 + or- 3 pcf unit weight, 3500 psi compressive strength. Lightweight concrete, expanded shale, clay or slate aggregate by rotary-kiln method or expanded clay or flyash aggregate by sintered-grate method 110 +or- 3 pcf unit weight, 3500 psi compressive strength.

Concrete Type	Concrete Thkns, In.
Normal Weight	4
Lightweight	3-3/4
Normal Weight	4-1/2
Lightweight	4
Normal Weight	5
Lightweight	4-1/4
Normal Weight	6-1/2
Lightweight	5

2A. Floor Topping Mixture* — (Optional - Not shown) Installed over concrete slab (item 2) - 3 to 7 gal of water mixed with 80 lbs of floor topping mixture and 1.0 to 2.1 cu ft of sand. Compressive strength to be 1000 psi

1/2

BXUV.U419 | UL Product iQ

1D. Floor and Ceiling Runners — (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached 1E. Framing Members* — Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized

1F. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 1/8 in. long legs fabricated

16. Framing Members* — Floor and Ceiling Runner — For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max.

1H. Floor and Ceiling Runners — (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from

11. Framing Members* — Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to

1). Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max. 1K. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, 1L. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1-1/4 in. wide by min. 3-1/2 in. deep fabricated from min 0.018 in. thick galv

1M. Framing Members* — Floor and Ceiling Runners — Not Shown — As an alternate to Item 1 — For use with Item 20, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor

1N. Framing Members* — Floor and Ceiling Runners — Not Shown — As an alternate to Item 1 — For use with Item 2P, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor

10. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2Q, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 25 MSG (0.018 in.

1Q. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2S, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 20 EQ/22 mils. (min. 0.0221 in. thick)

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2. Steel Studs — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. 2A. Steel Studs — (As an alternate to Item 2, For use with Items 5B, 5E, 5H, 5J or Type ULIX) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height

28. Framing Members* - Steel Studs — (As an alternate to Item 2, For use with Items 5C, 5I or Type ULIX) — Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only. CEMCO, LLC — Viper25™

CRACO MFG INC — SmartStud25™ IMPERIAL MANUFACTURING GROUP INC — Viper25™

2C. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights CEMCO, LLC — Viper20[™] MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20TM

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2D. Framing Members* — Steel Studs — In lieu of Item 2 — Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in, OC, Studs to be cut 3/4 in, less than assembly height. ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20 CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20 QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20 STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20 UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

2E. Framing Members* — Steel Studs — (Not Shown, As an alternate to Item 2) — For use with Items SF or 5G or 5I or Type ULIX only, channel shaped studs, min depth as indicated under Item 5F, 5G or 5I, fabricated from min. ness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD DMFCWBS L L C — ProSTUD MBA METAL FRAMING - ProSTUD RAM SALES L L C — Ram ProSTUD STEEL STRUCTURAL PRODUCTS L L C - Tri-S ProSTUD

2F. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) zed steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights. SUPER STUD BUILDING PRODUCTS — The Edge

2G. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped studs, minimum width indicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height. STUDCO BUILDING SYSTEMS — CROCSTUD

2H. Framing Members* — Steel Studs — (Not Shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly TELLING INDUSTRIES L L C — TRUE-STUD™

21. Framing Members* — Steel Studs —

2J. Framing Members* — Metal Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly height 2K. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 n. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. EB METAL INC - NITROSTUD

2L. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. **OLMAR SUPPLY INC** — PRIMESTUD

2M. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly heigh MARINO/WARE, DIV OF WARE INDUSTRIES INC - StudRite*

2N. Framing Members*— Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min depth 3-1/2 in. and as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in length than assembly height. RESCUE METAL FRAMING, L L C — AlphaSTUD

20. Framing Members* — Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.

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CGC INC — Type ULIX, ULX UNITED STATES GYPSUM CO — Type ULIX, ULX

USG MEXICO S A DE C V — Type ULX

5J. Gypsum Board* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in, thick, Compression fitted or adhered over the screw heads. Lead batten strips nd discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

51. Gypsum Board* — (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.

5K. Gypsum Board* — (As an alternate to Item 5 when Foam Plastic insulation (Item 4C) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 5 above. Applied vertically with vertical joints centered over studs and staggered one stud ravity on opposite sides of studs. Gypsum panels secured to studs with 1 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-5/8 in. long steel screws spaced 8 in. OC.

5L. Gypsum Board* — (As an alternate to Item 5 when Foam Plastic insulation (Item 4D) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 5 above. Applied vertically with vertical joints centered over studs and aggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1-1/4 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-7/8 in. long steel screws spaced 8 in. OC.

6. Fasteners — (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Single layer system with Type ULIX: 1 in. long, spaced 12 in. OC in the field and perimeter, when panels are applied horizontally or vertically. Two layer systems: First layer-1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. **Three-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. 1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from

7. Furring Channels - (Optional, Not Shown, for single or double layer systems) - Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A. 7A. Framing Members* — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:

a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. Steel Framing Members* — Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels. PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

78. Framing Members* — (Optional, Not Shown) — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below: a. Furring Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A.

b. Steel Framing Members* — Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips. KINETICS NOISE CONTROL INC — Type Isomax

7C. Framing Members* — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. Steel Framing Members* — Used to attach furring channels (Item 7Ca) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. PLITEQ INC — Type GENIECLIP

7D. Steel Framing Members* - (Optional on one or both sides, not shown, for single or double layer systems) - Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. Steel Framing Members* — Used to attach furring channels (Item 7Da) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

7E. Steel Framing Members* — (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 7Eb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. Steel Framing Members* — Used to attach furring channels (Item 7Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction REGUPOL AMERICA — Type SonusClip

7F. Steel Framing Members* — (Optional on one or both sides, not shown, for single or double layer systems) — Resilient channels and Steel Framing Members as described below: a. Resilient Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with

two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5. Not for use with Item 5A and 5E. b. Steel Framing Members* — Used to attach resilient channels (Item 7Fa) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw. **KEENE BUILDING PRODUCTS CO INC** — Type RC+ Assurance Clip

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CEMCO, LLC — Viper X

HYPERFRAME INC— Hyperstud

gypsum panels increased by min. 1/2 in.

Foamsulate HFO

RONDO BUILDING SERVICES PTY LTD — Rondo Lipped Wall Stud

MSG (0.018 in. min. bare metal thickness). Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.

cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ).

ceiling runners (Item 1P). Max 2-3/8 in. extension reveal from top of stud to inside of ceiling runner.

0.0221 in. thick) galvanized steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights

JJC INTERNATIONAL DISTRIBUTORS — Non-structural Studs 3-5/8" and 6".

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companie

See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companie

AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

ned plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 MSG steel thic

The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

assembly height. Spaced 24 in. OC max.

OEG BUILDING MATERIALS - OEG Stud

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2P. Framing Members* — Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than

2Q. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 10, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 25

2R. Framing Members* — Steel Studs — (Not Shown — Alternate to Item 2, For use with Item 1P) — Channel shaped steel studs with attachment clips at top and bottom, min 3-5/8 in. depth, spaced a max of 24 in. OC. Studs clipped into floor and

25. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 1Q, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min. 20 EQ/22 mils. (min.

3. Wood Structural Panel Sheathing — (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or

flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC, in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for

48. Fiber, Sprayed* — (Optional, for use with Type ULIX) Where insulation is required - Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 4.0 pcf to completely fill the wall

4C. Foamed Plastic* — (Where Batts and Blankets*, Item 4, are optional, for use with Item 5K) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for 2 hour rated assemblies only. When

CARLISLE SPRAY FOAM INSULATION — Types SealTite ONE, SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and

4D. Foamed Plastic* — (Where Batts and Blankets*, Item 4, are optional, for use with Item 5L) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2 hour rated assemblies only. When

5. Gypsum Board* — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in

adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) with Type ULIX need not be staggered.

Gypsum Board Protection on Each Side of Wall

PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with

4A. Batts and Blankets* — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

BASF CORP - Enertite® NM, Enertite® G, FE178®, Spraytite® 178, Spraytite® 81206, Walltite® 200, Walltite® US, Walltite® US-N, Walltite HP+, FE137®, FE158®, Spraytite® 158, Spraytite® SP and Spraytite® 81205

4. Batts and Blankets* — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5.

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5A. Gypsum Board* — (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6. CGC INC — Type SHX. UNITED STATES GYPSUM CO — Type FRX-G, SHX.

USG MEXICO S A DE C V — Type SHX.

S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12). RAY-BAR ENGINEERING CORP — Type RB-LBG

5C. Gypsum Board* — (For Use With Item 2B) — Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum

VI of Volume 1 in the Fire Resistive Directory. CGC INC — Type SCX, ULIX. THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX UNITED STATES GYPSUM CO — Type SCX, SGX, ULIX.

USG BORAL DRYWALL SFZ LLC — Type SCX USG MEXICO S A DE C V — Type SCX

CGC INC — Type USGX

USG BORAL DRYWALL SFZ LLC — Type USGX USG MEXICO S A DE C V — Type USGX

UNITED STATES GYPSUM CO — Type USGX

Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX UNITED STATES GYPSUM CO — 5/8 in. thick Type SCX, SGX, ULIX USG BORAL DRYWALL SFZ LLC — 5/8 in. thick Type SCX, SGX

staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows: Gypsum Board Protection on Each Side of Wall

Rating, Hr	Depth, in. Item 2E	
2	1-5/8	2 li
2	1-5/8	2 la
3	1-5/8	3 la
3	1-5/8	3 la
4	1-5/8	4
4	1-5/8	4 li

Min Stud

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR;, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX or 3/4 in. thick Types IP-X3 or ULTRACODE THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO - 1/2 in. thick Types C and 5/8 in. thick SCX UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR, ULIX; 3/4 in. thick Types IP-X3 or ULTRACODE USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 28 with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A). MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

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No. of Thkns of Depth, in. & Thkns Insulation Items 2, 2C, 2D, 2F, 2G, 2O of Pane (Item 4) Rating, Hr 1 layer, 5/8 in. thick Optional 1 layer, 1/2 in. thick -1/2 in. 1 laver, 3/4 in. thick Optional 2 layers, 1/2 in. thick Optional 1-5/8 2 layers, 5/8 in. thick Optional 1 laver, 3/4 in. thick 3 layers, 1/2 in. thick Optional 2 layers, 3/4 in. thick Optional 3 lavers, 5/8 in. thick Optional 1-5/8 4 layers, 5/8 in. thick Optional 4 layers, 1/2 in. thick Optional 2 layers, 3/4 in. thick

CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO - 1/2 in. thick Type C and 5/8 in. thick Type SCX

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, ULIX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR, 3/4 in. thick Types IP-X3 or ULTRACODE USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One laver of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item (

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76. Framing Members* — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring

channels as described in Item 6. Not for use with Item 5A b. Steel Framing Members* — Used to attach furring channels (Item 7Ga) to studs (Item 2). Clips spaced max. 48 in. OC. Clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center

hole. Furring channels are friction fitted into clips. CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

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8. Joint Tape and Compound — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. Siding, Brick or Stucco — (Optional, Not Shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with etal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. Caulking and Sealants* — (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control. UNITED STATES GYPSUM CO — Type AS

purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

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11. Lead Batten Strips — (Not Shown, For Use With Item 5B) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

11A. Lead Batten Strips — (Not Shown, For Use With Item 5H) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min, Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min, 1 in, long min, Type S-8 pan head steel screws at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations

12. Lead Discs or Tabs — (Not Shown, For Use With Item 5B) — Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a

12A. Lead Discs — (Not Shown, for use with Item 5H) — Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D"

13. Lead Batten Strips — (Not Shown, For Use With Item 5E) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations.

14. Lead Tabs — (Not Shown, For Use With Item 5E) — 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

15. Barrier Mesh — (Optional, Not Shown) - Attached to steel studs on one or both sides of the wall using Barrier Mesh Clips spaced at maximum 12 inches on center vertically, using a flat head type screw penetrating through the steel at least 3/8 of an inch. For Steel Studs less than 0.033 inches in thickness, use self-piercing screws. For Steel Studs equal to or greater than 0.033 inches in thickness, use steel drill screws (self-tapping). Gypsum Board (Item 5) to be installed directly over the Barrier Mesh using prescribed screw patterns with lengths increased by a minimum 1/8 in. Barrier Mesh may be installed with the long dimension of the diamond pattern positioned vertically or horizontally. Barrier Mesh joints may occur as butt joints at the framing members and secured using the Barrier Mesh Clips or occur in between framing members as overlapping joints secured using 18 SWG wire ties spaced a maximum 12 in. on center. CLARKDIETRICH BUILDING SYSTEMS — Barrier Mesh, Barrier Mesh Clips

> * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively. Last Updated on 2023-12-01

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58. Gypsum Board* — (Not Shown) — As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or 3/4 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2A with 1-1/4 in, long Type

board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section

5D. Gypsum Board* — (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only

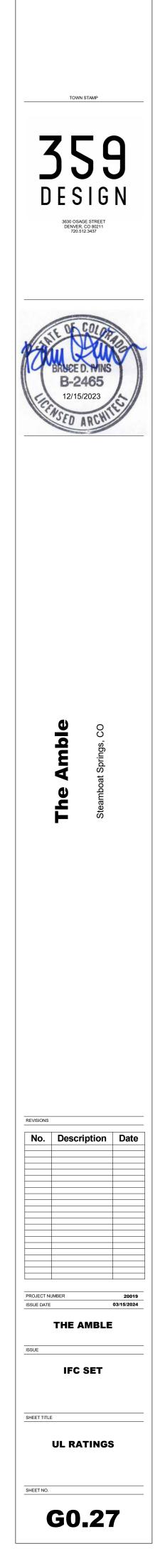
5E. Gypsum Board* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs.

5F. Gypsum Board* — (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum

5G. Gypsum Board* — (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems)

No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)
rs, 1/2 in. thick	Optional
rs, 5/8 in. thick	Optional
rs, 1/2 in. thick	Optional
rs, 5/8 in. thick	Optional
rs, 5/8 in. thick	Optional
rs. 1/2 in. thick	Optional

5H. Gypsum Board* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in.



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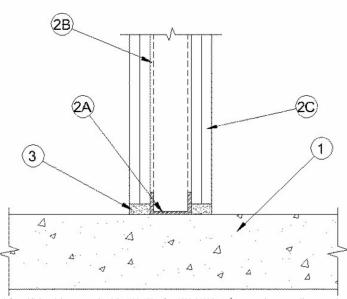
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- the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction. Only products which bear UL's Mark are considered Certified.
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See General Information for Joint Systems See General Information for Joint Systems Certified for Canada

System No. BW-S-0001 January 26, 2015

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1 and 2 Hr (See Item 2)	F Ratings — 1 and 2 Hr (See Item 2)
Nominal Joint Width - 3/4 In.	FT Ratings — 1 and 2 Hr (See Item 2)
L Rating at Ambient — Less than 1 CFM/Lin Ft	FH Ratings — 1 and 2 Hr (See Item 2)
L Rating at 400° F — Less than 1 CFM/Lin Ft	FTH Ratings — 1 and 2 Hr (See Item 2)
	Nominal Joint Width - 3/4 In.
	L Rating at Ambient — Less than 1 CFM/Lin Ft
	L Rating at 400° F — Less than 1 CFM/Lin Ft



1. Floor Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) structural concrete. Floor may also be constructed of any 6 in. (152 mm) thick UL Classified hollow-core Precast Concrete Units*. See Precast Concrete Units category in the Fire Resistance Directory for names of manufactures.

fire rating of the joint system is equal to the hourly fire rating of the wall.

2. Wall Assembly — The 1 or 2 h fire-rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory. In addition, the wall may incorporate a head-of-wall joint system constructed as specified in the HW Series Joint Systems in the UL Fire Resistance Directory. The wall shall include the following construction features: A. Steel Floor Runner — Floor runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to accommodate steel studs (Item 2B). Floor runners to be provided with min 1-1/4 in. (32 mm)

flanges. Runners secured with steel fasteners spaced 12 in. (305 mm) OC. B. Studs — Steel studs to be min 2-1/2 in. (64 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in, resting on and fastened to floor runner with sheet metal

screws. Stud spacing not to exceed 24 in. (610 mm) OC. C. Gypsum Board* — Gypsum board installed to a min total thickness of 5/8 or 1-1/4 in. (16 or 32 mm) on each side of wall for a 1 or 2 hr rated wall, respectively. Wall to be constructed as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory, except that a max 3/4 in. (19 mm) gap shall be maintained between the bottom of gypsum board and top of concrete floor. The hourly

3. Fill, Void or Cavity Material* Sealant — Max separation between top of floor and bottom of gypsum board is 3/4 in. (19 mm). For 1 and 2 hr rated wall assemblies, min 5/8 in. or 1-1/4 in. (16 or 1-1/4 mm) thickness of fill material, respectively, installed on each side of the wall between the bottom of the gypsum board and the top of the concrete floor, flush with each surface of the wall. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S Elastomeric Firestop Sealant, CF606 Flexible Firestop Sealant, CFS-S SIL GG, FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

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CEMCO, LLC — CST, CST325 A2. Light Gauge Framing* — Slotted Ceiling Runner — As an alternate to the ceiling runner in Item 2A through 2A1, ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Flange height of slotted ceiling runner shall be 3-1/4 in. (83 mm) with 2 in. (51 mm) deep slots. Slotted ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors,

steel fasteners or welds spaced max 24 in. (610 mm) OC. SCAFCO STEEL STUD MANUFACTURING CO — Slotted Track-Type SDLT

B. Studs — Steel studs to be min 3-1/2 in. (89 mm) wide. Studs cut 1-1/4 in. to 1-1/2 in. (32 to 38 mm) less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment.. Stud spacing not to exceed 24 in. (610 mm) OC. When slotted ceiling runner (Item 2A2) is used, steel studs cut in lengths 3/4 to 1-3/4 in. (19 to 44 mm) less than floor to ceiling height and secured to slotted ceiling runner with No. 8 by 1/2 (13 mm) long wafer head steel screws at +/- 3/16 in. (5 mm) of the mid-height of slot on each side of wall.

C. Gypsum Board* — Gypsum board installed to a min total thickness of 5/8 in. (16 mm) or 1-1/4 in. (32 mm) on each side of wall for 1 hr and 2 hr rated assemblies, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that a nom 1-3/4 in. (44 mm) gap shall be maintained between the top of the gypsum board and the bottom of the steel deck and the top row of screws shall be installed into the studs 4 in. (102 mm) below the bottom plane of the floor or roof.

The hourly Assembly, F, FT, FH and FTH Ratings of the joint system are dependent on the hourly rating of the wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP672 Firestop Spray or CFS-SP WB Firestop Joint Spray

to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

3. Joint System — Max separation between bottom plane of floor or roof and top of gypsum board at time of installation of joint system is 1-3/4 in. (44 mm). The joint system is designed to accommodate a max 43 compression or extension from its installed width. The joint system consists of forming material and a fill material as follows: A. Forming Material* — Nom 5 in. (127 mm) thick pieces of nom 4 pcf (64 kg/m³) forming material sized to attain a min compression rate of 50 percent in the thickness direction firmly packed to completely fill the flutes. Additional pieces of batt insulation, 5/8 or 1-1/4 in. (16 or 32 mm) wide by 5 in. (127 mm) thick, shall be compressed 50 percent in thickness and installed cut edge first into gap between bottom of fluted floor or roof units and top of gypsum board. ROCK WOOL MANUFACTURING CO — Delta Board

ROCKWOOL — SAFE

THERMAFIBER INC — Type SAF

A1. Forming Material*-Plugs — As an alternate to Item 3A, preformed mineral wool plugs, formed to the shape of the fluted floor units, friction fit to completely fill the flutes above the ceiling runner. The plugs shall project beyond each side of the ceiling runner, flush with wall surfaces. Additional forming material, described in Item 3A2, to be used in conjunction with the plugs to fill the gap between the top of gypsum board and the bottom of HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP777 Speed Plugs

A2. Forming Material* - Strips — Nom 5/8 in. (16 mm) and 1-1/4 in. (32 mm) wide precut mineral wool strips for 1 and 2 hr rated assemblies, respectively. The strips are compressed 50 percent in thickness and firmly packed nto the gap between the top of the gypsum board and bottom of the steel floor or roof deck on both sides of the wall. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 767 Speed Strips

B. Fill, Void or Cavity Material* — Min 1/16 in. (1.6 mm) dry thickness (min 1/8 in. or 3.2 mm wet thickness) of fill material sprayed on each side of the wall to completely cover mineral wool forming material and to overlap a min of 1/2 in. (13 mm) onto avpsum board and steel deck on both sides of wall.

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See General Information for Joint Systems See General Information for Joint Systems Certified for Canada

ANSI/UL2079 sembly Ratings — 1 And 2 Hr (See Item 2) Iominal Joint Width - 1-1/2 In. Class II or III Movement Capabilities — 50% Compression or Extension Rating At Ambient — Less Than 1 CFM/Lin Ft L Rating At 400 F — Less Than 1 CFM/Lin Ft

Directory and shall include the following construction features A. Steel Floor and Form Units* — Max 3 in. (76 mm) deep galv steel fluted floor units. B. Concrete — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

following construction features: A. Steel Roof Deck — Max 3 in. (76 mm) deep galv steel fluted roof deck.

2. Wall Assembly — The 1 hr or 2 hr fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL rectory and shall include the following construction features: A1. Light Gauge Framing*-Slotted Ceiling Runner — As an alternate to the ceiling runner in Item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Slotted ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors, steel fasteners or welds spaced max 24 in. (610 mm) OC.

SCAFCO STEEL STUD MANUFACTURING CO BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS — SLP-TRK https://iq.ulprospector.com/en/profile?e=172327

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in. (203 mm) OC.

mm) O

surface of steel floor units.

must include a copyright notice in the following format: "©2023 UL LLC."

EPIC METALS CORP — Type EPICORE MSR

rating of the wall assembly in which it is installed.

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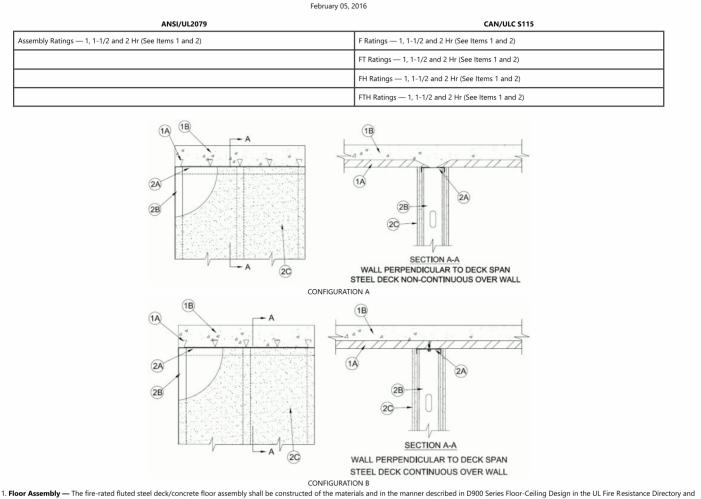
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- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction. Only products which bear UL's Mark are considered Certified.
 - XHBN Joint Systems XHBN7 - Joint Systems Certified for Canada

See General Information for Joint Systems See General Information for Joint Systems Certified for Canada

System No. HW-S-0115



shall include the following construction features: CONFIGURATION A

(Assembly Rating, F, FH FT and FTH Ratings are 1 and 2 Hr for 1 and 2 hr rated walls, respectively.) A. Steel Floor and Floor Units* — Nom. 2 in. (51 mm) deep by 32 in. (813 mm) wide by No. 22 MSG min galv fluted units. Floor units to be discontinuous over top of wall. Deck sheets are cut so that ends bear min 1-1/2 in. (38 mm) onto top of wall at each side and are secured to ceiling runner with steel screws or welds spaced max 8 in. (203 mm) OC. Deck ends above wall to be factory closed by deck manufacturer. A

min 5/8 in. (16 mm) gap shall be provided between the discontinuous deck ends above top of wall. Gap between deck sheets to be filled with concrete to provide a joint barrier. Adjacent deck units screwed together at side laps with min no. 10 x 3/4 in. (19 mm) steel screws spaced 12 in. (305 mm) max on center and 1 in. (25 mm) max from ends. EPIC METALS CORP — Type EPICORE MSR

B. Concrete — Min 2 in. (51 mm) thick light-weight or normal weight (100 to 150 pcf or 1600 to 2400 kg/m³) reinforced concrete, as measured from the top plane of the floor units.

CONFIGURATION B (Assembly Rating, F, FH FT and FTH Rating is 1-1/2 Hr, for use in 2 hr rated walls only.)

A. Steel Floor and Floor Units* — Nom. 2 in. (51 mm) deep by 32 in. (813 mm) wide by No. 22 MSG min galv fluted units which are installed continuous over top of wall. Adjacent units screwed together at side laps with min no. 10 x 3/4 in. (19 mm) steel screws spaced 12 in. (305 mm) max on center and 1 in. (25 mm) max from ends. Steel floor units secured to ceiling runner units with steel screws or welds spaced max 8

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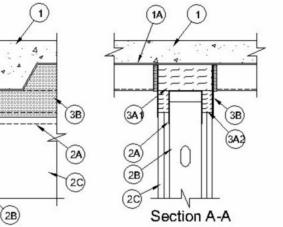
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XHBN - Joint Systems XHBN7 - Joint Systems Certified for Canada

System No. HW-D-0538

June 22, 2023

CAN/ULC S115
F Ratings — 1 And 2 Hr (See Item 2)
FT Ratings — 1 And 2 Hr (See Item 2)
FH Ratings — 1 And 2 Hr (See Item 2)
FTH Ratings — 1 And 2 Hr (See Item 2)
Nominal Joint Width - 38 mm
Class II or III Movement Capabilities — 50% Compression or Extension
L Rating At Ambient — Less Than 1 L/s//Lin M
L Rating At 204 C — Less Than 1.57 L/s/Lin M



1. Floor Assembly — The fire rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D900 Series Floor-Ceiling Design in the UL Fire Resistance

1A. Roof Assembly — (Not Shown) — As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the

B. Roof Insulation — Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the steel roof deck.

A. Steel Floor and Ceiling Runners — Floor and ceiling runners of wall assembly shall consist of galv steel channels sized to accommodate steel studs (Item 2B). Flange height of ceiling runner shall be min 1/4 in. (6 mm) greater than max extended joint width. Ceiling runner installed perpendicular to the deck direction and secured to valleys of deck with masonry anchors, steel fasteners or welds spaced max 24 in. (610 mm) OC.

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XHBN.HW-S-0115 | UL Product iQ

B. Concrete — Min 2 in. (51 mm) thick light-weight or normal weight (100 to 150 pcf or 1600 to 2400 kg/m³) reinforced concrete, as measured from the top plane of the floor units. 2. Wall Assembly (CONFIGURATION A) — The 1 or 2 hr fire-rated load bearing gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features. The hourly Assembly, F, FT, FH, FTH Rating of the joint system is equal to the hourly fire A. Steel Floor and Ceiling Runners — Floor and ceiling runners of wall assembly shall consist of min No. 20 gauge galv steel channels sized to accommodate steel studs (Item 2B). Ceiling runner to be provided with min 1-1/4 in. (32 mm) flanges. Ceiling runner installed parallel, perpendicular (shown), or at an angle to the direction of the flutes of steel floor units. Ceiling runner secured to floor as described in Item 1A. B. Studs — Steel studs to be min 3-5/8 in. (92 mm) wide by min No. 20 gauge galv steel. Studs attached to floor and ceiling runners in accordance with rated wall design. Stud spacing not to exceed 24 in. (601 C. Gypsum Board* — Nom 5/8 in. (16 mm) thick gypsum board sheets installed to a min total thickness of 5/8 in. (16 mm) and 1-1/4 in. (32 mm) on each side of wall for 1 and 2 hr fire rated assemblies, respectively. Gypsum board butted tight to bottom surface of steel floor units. 2A. Wall Assembly (CONFIGURATION B) — The 2 hr fire-rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features. The hourly Assembly, F, FT, FH, FTH Rating of the joint system is 1-1/2 hr. A. Steel Floor and Ceiling Runners — Floor and ceiling runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to accommodate steel studs (Item 2B). Ceiling runner to be provided with min 1-1/4 in. (32 mm) flanges. Ceiling runner installed parallel, perpendicular (shown), or at an angle to the direction of the flutes of steel floor units. Ceiling runner secured to floor as described in Item 1A. B. Studs — Steel studs to be min 3-5/8 in. (92 mm) wide by min No. 25 gauge galv steel. Studs attached to floor and ceiling runners in accordance with rated wall design. Stud spacing not to exceed 24 in. (601

C. Gypsum Board* — Nom 5/8 in. (16 mm) thick gypsum board sheets installed to a min total thickness of 1-1/4 in. (32 mm) on each side of wall for 2 hr fire rated assembly. Gypsum board butted tight to bottom * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as

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SHEET TITLE **UL RATINGS**



U Solutions

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

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

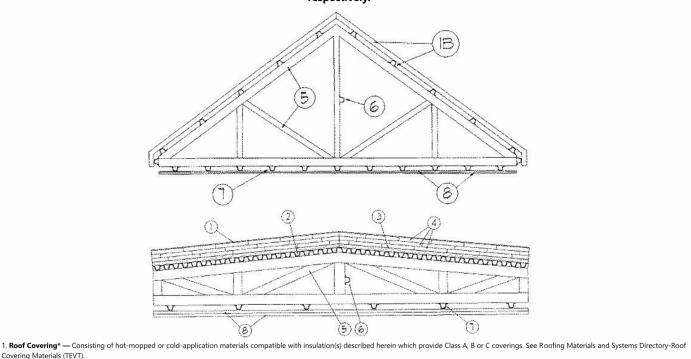
Design Criteria and Allowable Variances

Design No. P515

November 14, 2019 Restrained Assembly Rating — 1 Hr Unrestrained Assembly Rating — 1 Hr

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

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



1A. Roofing Membranes* — In lieu of Item 1, single-ply membrane that is either ballasted, adhered or mechanically attached to the insulation(s) described herein as permitted under the respective company's Classification. See Fire Resistance Directory-Roofing Membranes (CHCI) Category.

Covering Materials (TEVT).

1B. Metal Roof Deck Panels* — In lieu of or in addition to Items 1 and 1A, the roof covering may consist of mechanically fastened 24 MSG galv or painted steel roof deck panels. Panels may be installed above a steel purlin assembly per metal roof deck manufacturer's specifications. Steel purlin assembly to be installed transverse to steel roof trusses (Item 5). A line of sealant or tape may be used at panel side and end laps. See Metal Roof Deck Panels Category in the Roofing Materials and Systems Directory (TJPV) or Fire Resistance Directory (CETW) for names of manufacturers.

2. Steel Roof Deck — Corrugated or fluted steel form units, min 28 MSG painted or galv steel, mechanically fastened at 12 in. OC max with No. 10 by 16 self-drilling steel screws to truss-top chords.

3. Gypsum Board — (Optional-Classified or Unclassified) — Gypsum sheathing, supplied in sheets 4 ft wide by 8 to 12 ft long by min 1/2 in. thick, applied perpendicular to steel roof deck. End joints to occur over crests of steel roof deck, with end-joints staggered in adjacent rows. Sheathing adhered or mechanically attached to steel roof deck. See Gypsum Board (CKNX) category for names of Classified companies. 3A. Cementitious Backer Units* — As an alternate to Item 3, supplied in nom 32 in. wide by min 48 in. long by nom 1/2 or 5/8 in. thick sheets. Applied perpendicular to steel roof deck direction. End-joints to occur over crests of steel roof deck with end-joints staggered in adjacent rows. Units adhered or mechanically attached to steel roof deck.

UNITED STATES GYPSUM CO — Type DCB.

4. Roof Insulation — Mineral and Fiber Boards* — Mineral wool, glass fiber or perlite insulation boards, 24 by 48 in. min size, 48 by 96 max size, applied in one or more layers. Boards installed directly over the roof deck (Item 2), perpendicular to the deck flutes, or over the gypsum sheathing (Item 3) or cementitious backer units (Item 3A), with end-joints staggered in adjacent rows. When applied in more than one layer, each layer of https://iq.ulprospector.com/en/profile?e=14612

BXUV.P515 | UL Product iQ

board to be offset in both directions from layer below in order to lap all joints. Min thickness 1 in. (no limit on max overall thickness). Boards loosely laid, adhered or mechanically fastened to gypsum sheathing or cementitious backer units, and to steel roof deck (Item 2). See Mineral and Fiber Boards (BQXR) Category in the Building Materials Directory.

sheathing (Item 3), cementitious backer units (Item 3A) and/or steel roof deck (Item 2). See Foamed Plastic (CCVW) Category in the Fire Resistance Directory 4B. Roof Insulation — Foamed Plastic* — Any polystyrene foamed plastic insulation boards bearing the UL Classification Marking. Roof insulation loosely laid, adhered or mechanically fastened, placed over gypsum

sheathing (Item 3) or cementitious backer units (Item 3A). See Foamed Plastic (BRYX) category in the Building Materials Directory or Foamed Plastic (CCVW) category in the Fire Resistance Directory.

4A. Roof Insulation — Foamed Plastic* — Any polyisocyanurate foamed plastic insulation boards bearing the UL Classification Marking. Roof insulation loosely laid, adhered or mechanically fastened to gypsum

5. Steel Roof Trusses — Cold-formed galv steel truss chord and web sections manufactured from steel conforming to ASTM A653 Grade 33 or higher yield strength. Steel thickness of truss chord and web sections as required by design to meet governing code requirements. Truss members connected together with No. 10-16 (min size) self-drilling screws or equivalent. Truss chord and web members to be designed in accordance with the American Iron and Steel Institute's Specification for the Design of Cold-Formed Steel Structural Members, 1996 Edition. Trusses spaced a max of 24 or 48 in. OC, refer to Item 8. Where the truss intersects with the interior face of the exterior walls, the min truss depth shall be 11-7/8 in. or 5 in. with a min roof slope of 3/12 and a min area in the plane of the truss of 20 sq/ft.

5A. Structural Steel Members* — As an alternate to Item 5 - Pre-fabricated steel truss system consisting of cold-formed, galvanized steel chord and web sections. Trusses spaced a max of 24 or 48 in. OC, refer to Item 8. Where the truss intersects with the interior face of the exterior walls, the min truss depth shall be 11-7/8 in. or 5 in. with a min roof slope of 3/12 and a min area in the plane of the truss of 20 sq/ft. Truss ends placed over and secured to Bearing Seats (Item 5B) with two min. #10 by 3/4 in. long screws on each side of Bearing Seats. Allowable loading must be calculated so as to stress the steel trusses to a maximum of 98% of the stress calculated in accordance with the allowable stress design approach outlined in the manufacturer's load tables. EISEN PANEL SYSTEMS L L C — Type Gateway Panel pre-fabricated steel truss system.

58. Bearing Seats* — (Not Shown - for use with Item 5A) — Galvanized steel tube, min. 1 in. by 2-1/2 in. by 13 ga., oriented vertically and welded to min. 4 in. by 4 in. by 10 ga., galvanized steel plate. Bearing seats spaced 24 or 48 in. OC (same as trusses) and attached to bearing supports by welding or screw attaching the steel plate to the bearing supports. EISEN PANEL SYSTEMS L L C — Type Gateway Panel bearing seat.

6. Bridging — Size, thickness, shape, number of connections and location of permanent bracing for truss chord and web sections to be determined by truss manufacturer.

7. Furring Channels — Hat channels formed from min 25 MSG galv steel (or heavier as required by design), 2-5/8 in. wide by 7/8 in. deep, spaced 24 in. OC, perpendicular to trusses. Two courses of furring channel positioned 6 in. OC, 3 in. from each end of wallboard. Channel splices overlapped 4 in. beneath steel trusses. Channels secured to each truss with Type S12 by 1/2 in. long screws or with No. 18 SWG galv steel wire double strand saddle ties. Channels tied together with double strand of No. 18 SWG galv steel wire at each end of overlap.

7A. As an alternate to Item 7, Furring Channels — Resilient channels formed of 25 MSG galv steel, for use when steel (Item 5) trusses spaced a max 24 in OC, installed perpendicular to steel trusses. Two courses of resilient channel positioned 6 in. OC at wallboard butt-joints (3 in. from each end of wallboard). Channels oriented opposite at wallboard butt-joints. Channel splices overlapped 4 in. beneath steel trusses. Channels secured to each truss with Type S12 by 1/2 in. long screws or with No. 18 SWG galv steel wire double strand saddle ties. Channels tied together with double strand of No. 18 SWG galv steel wire at each end of overlap.

8. Gypsum Board* — Two layers of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trusses. Base layer attached to the furring channels using 1 in. long Type S bugle-head screws spaced 8 in. OC along butted end-joints and 12 in. OC in the field. End-joints of base layer fastened to additional pieces of furring channel to extend a min of 3 in. beyond ends of butted end-joints. Butted end-joints staggred min 12 in. in adjacent rows. Face layer of gypsum wallboard secured to furring channels with 1-5/8 in. long Type S bugle-head steel screws spaced 8 in. OC at the side-joints and in the field. Face layer side- and end-joints offset min 16 in. from base layer side- and end-joints. When roof trusses are spaced max 24 in. OC, the wallboard may be attached directly (and perpendicular) to the trusses. When attached to trusses, inner layer of wallboard attached to bottom chord of trusses with 1 in. long Type 512 bugle-head steel screws spaced 8 in. OC at end-joints and 12 in. OC in the field. Face layer of gypsum wallboard secured to bottom chord of trusses with 1-5/8 in. long Type S12 bugle-head steel screws spaced 8 in. OC at end-joints and 12 in. OC in the field. End-joints of wallboard to occur under trusses. Screws located 1 in. from board side-edges and 1/2 in. from butted ends. Face layer side- and end-joints offset min 16 in. from base layer side- and end-joints.

CGC INC — Type IP-X1 or SCX, ULIX

UNITED STATES GYPSUM CO — Type IP-X1, SCX, ULIX USG BORAL DRYWALL SFZ LLC — Type SCX

USG MEXICO S A DE C V — Type IP-X1 or SCX

CGC INC — Types C, IP-X2, IPC-AR, ULIX

8A. Gypsum Board* — (Not Shown) — As an alternate to Item 8, two layers of nom 5/8 in. thick by 48 in. wide boards, installed as specified under Item 8. This alternate wallboard shall be used when Batts and Blankets (Item 9) are placed 1 in. or less over the gypsum ceiling.

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, ULIX.

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR.

9. Batts and Blankets — (Not Shown) — Optional — Any thickness mineral wool or glass fiber insulation bearing the UL Classification Marking for Surface Burning Characteristics, having a flame spread value of 25 or less

under Item 8A.

and a smoke value of 50 or less. Insulation fitted in the concealed space above the gypsum wallboard ceiling membrane. When placed 1 in. or less over the ceiling membrane, the gypsum wallboard shall be as specified

10. Finishing System — (Not Shown) — Vinyl, dry of premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints.

11. Steel Framing Members —

Alternate Ceiling Membrane — Not Shown.

a. Main Runners — Installed perpendicular to Structural Steel Members — Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners hung a min of 2 in. from bottom chord of Structural Steel Members with 12 SWG galv steel wire. Wires located a max of 48 in. OC.

b. Cross tees or channels — Nom 4 ft long, 15/16 in. or 1-1/2 in. wide face, or cross channels, nom 4 ft long, 1-1/2 in. wide face, installed perpendicular to the main runners, spaced 24 in. OC. When Batts and Blankets* (Item 9) are used, cross tees or channels spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted wallboard end joints. The cross tees or channels may be riveted or screw-attached to the wall angle or channel to facilitate the ceiling installation.

c. Wall angles or channels — Used to support steel framing member ends and for screw-attachment of the gypsum wallboard — Min 0.016 in. thick painted or galvanized steel angle with 1 in. legs or min. 0.016

in.thick painted or galvanized steel channel with a 1 by 1-1/2 by 1 in. profile, attached to walls at perimeter of ceiling with fasteners 16 in. OC. CGC INC — Type DGL or RX

USG INTERIORS LLC — Type DGL or RX

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12. Gypsum Board* — For use with Steel Framing Members (Item 11) when no Batt and Blankets* (Item 9) are used — Two layers of nominal 5/8 in. thick by 48 in. wide boards. Inner layer installed with long dimension screws on both sides of butted end joints of each layer shall be located 3/8 to 1/2 in. from end joints. Butted side joints of outler layer to be offset a min of 18 in. from butted side joints of inner layer. Joints treated as described in Item 10. CGC INC — Types C, IP-X1, IP-X2, IPC-AR, SCX, ULIX

UNITED STATES GYPSUM CO — Types C, IP-X1, IP-X2, IPC-AR, SCX , ULIX

USG BORAL DRYWALL SFZ LLC — Types C, SCX USG MEXICO S A DE C V — Types C, IP-X1, IP-X2, IPC-AR, SCX

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, ULIX.

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR.

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USG BORAL DRYWALL SFZ LLC — Type C

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perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Inner layer fastened to cross tees with 1-1/4 in. long Type S bugle-head steel screws spaced 8 in. OC along butted end joints and 12 in. OC in the field of the board. End joints of adjacent wallboard sheets shall be staggered not less than 4 ft OC. Outer layer attached to the cross tees through inner layer using 1-7/8 in. long Type S bugle-head steel screws spaced 8 in. OC at butted end joints and 12 in. OC in the field. Butted end joints to be centered along cross tees and be offset a min of 32 in. from end joints of inner layer. Rows of

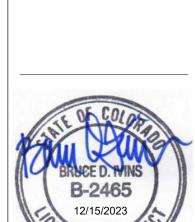
12A. Gypsum Board* — For use with Steel Framing Members* (Item 11) and Batt and Blankets* (Item 9) are used — Two layers of nominal 5/8 in. thick by 48 in. wide boards installed as described in Item 12.

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

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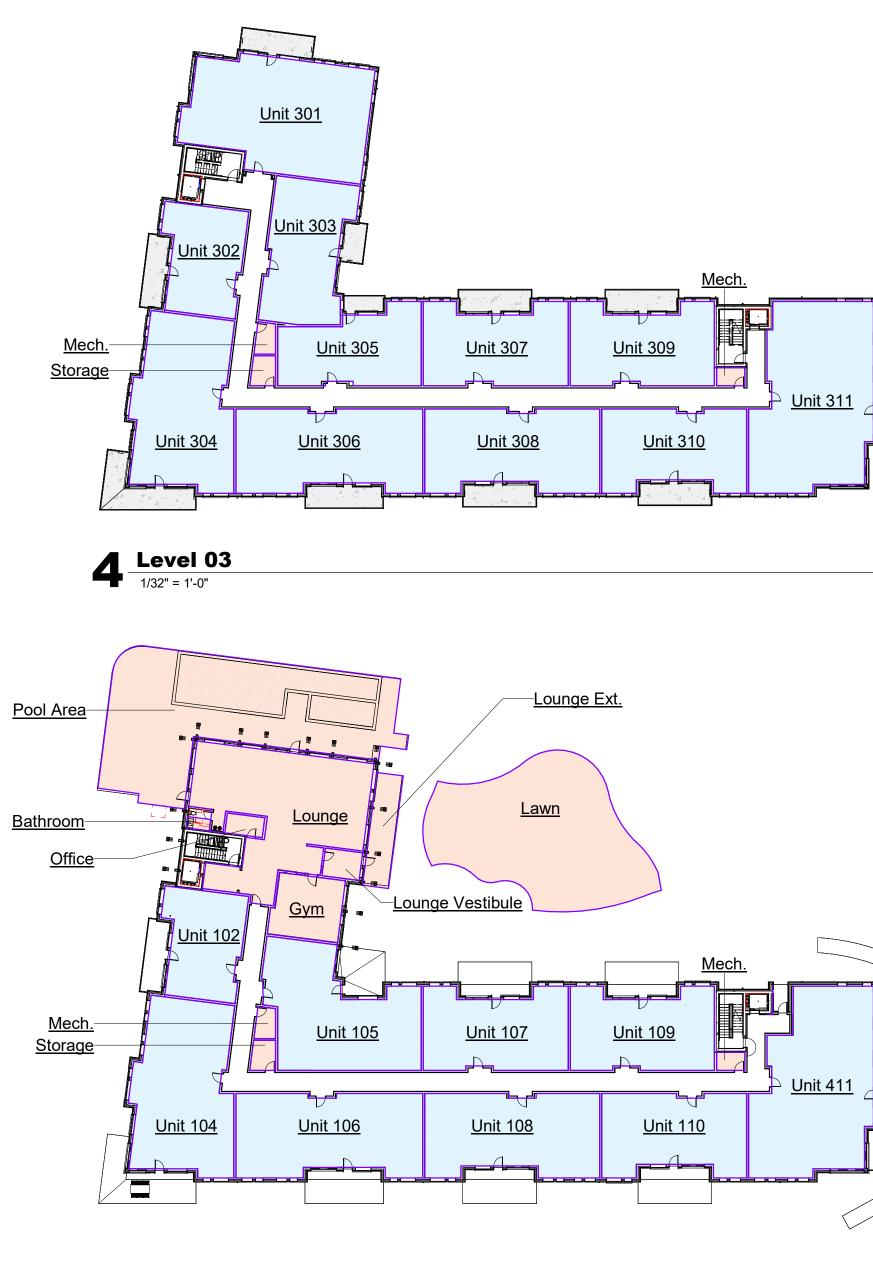
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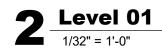
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NET AREA AMENITY

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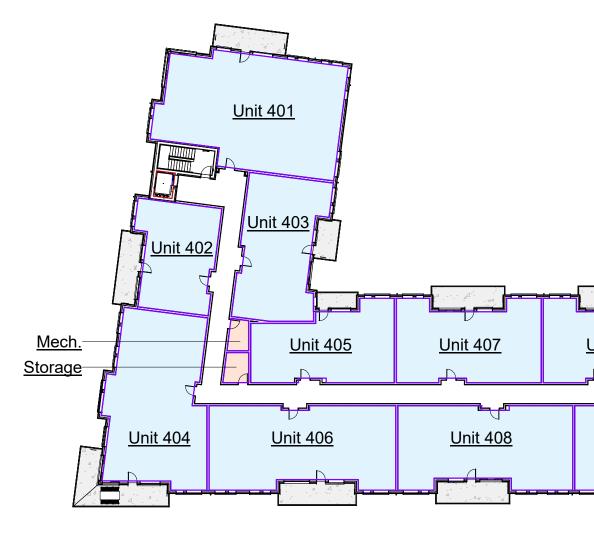
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Name	Area
Residential/Other	
Unit 404	530 \$
Unit 411	579 \$
Unit 407	580 \$
Unit 409	580 \$
Unit 410	580 \$
Unit 401	590 \$
Unit 408	610 \$
Unit 406	654 \$
	4,702 \$
TOTAL	4,702 \$

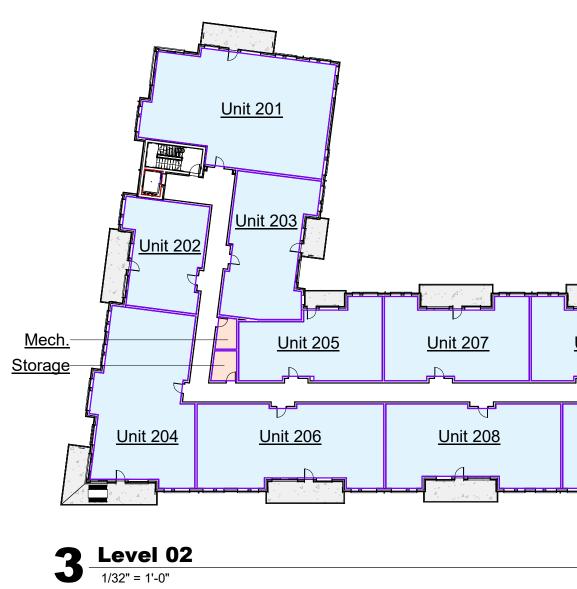
Net Area Schedule - Level 03		
Name	Area	
Amenity		
Mech.	57 SF	
Mech.	68 SF	
Storage	80 SF	
	205 SF	
Residential/Other		
Unit 302	888 SF	
Unit 305	1,086 SF	
Unit 303	1,208 SF	
Unit 309	1,224 SF	
Unit 307	1,229 SF	
Unit 310	1,229 SF	
Unit 308	1,523 SF	
Unit 306	1,643 SF	
Unit 304	1,786 SF	
Unit 301	2,150 SF	
Unit 311	2,310 SF	
	16,276 SF	
TOTAL	16,482 SF	
AMENITY PERCENTAGE	1.24%	

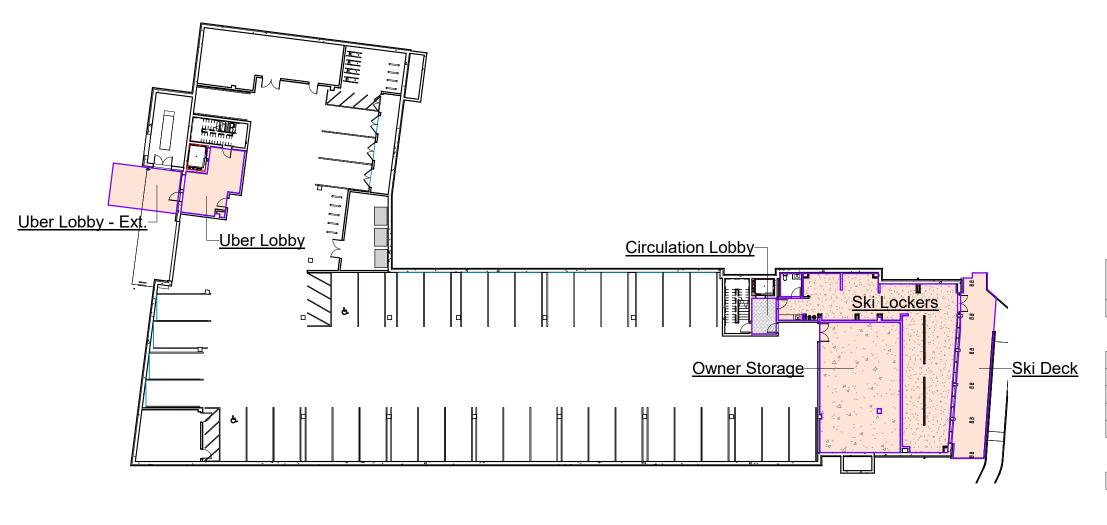
Name	Area
Amenity	
Bathroom	30 SI
Mech.	57 SI
Mech.	68 SI
Storage	80 SI
Office	84 SI
Lounge Vestibule	116 SI
Lounge Ext.	332 SI
Gym	476 SI
Lounge	2,076 SI
Lawn	2,790 S
Pool Area	3,323 S
	9,431 S
Residential/Other	
Unit 102	888 S
Unit 109	1,224 S
Unit 107	1,229 S
Unit 110	1,229 S
Unit 108	1,523 S
Unit 106	1,643 SI
Unit 105	1,676 SI
Unit 104	1,786 S
Unit 411	2,185 S
	13,383 SI
TOTAL	22,814 SI

AMENITY PERCENTAGE 41.39%



5 Level 04 1/32" = 1'-0"





Level 00
1/32" = 1'-0"

Net Area Schedule - Level 04	
Name	Area
Amonity	
Amenity Mech.	57 SF
	0. 0.
Mech.	68 SF
Storage	80 SF
	205 SF
Residential/Other	
Unit 402	888 SF
Unit 405	1,086 SF
Unit 403	1,208 SF
Unit 409	1,224 SF
Unit 407	1,229 SF
Unit 410	1,229 SF
Unit 408	1,523 SF
Unit 406	1,643 SF
Unit 404	1,786 SF
Unit 401	2,150 SF
Unit 411	2,310 SF
	16,276 SF
TOTAL	16,482 SF





TOWN STAMP

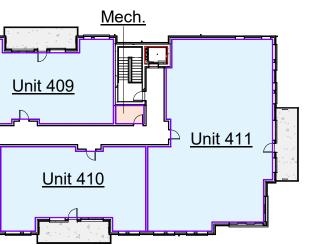
IFC SET

NET AREA PLANS

G0.30

SHEET TITLE

SHEET NO.



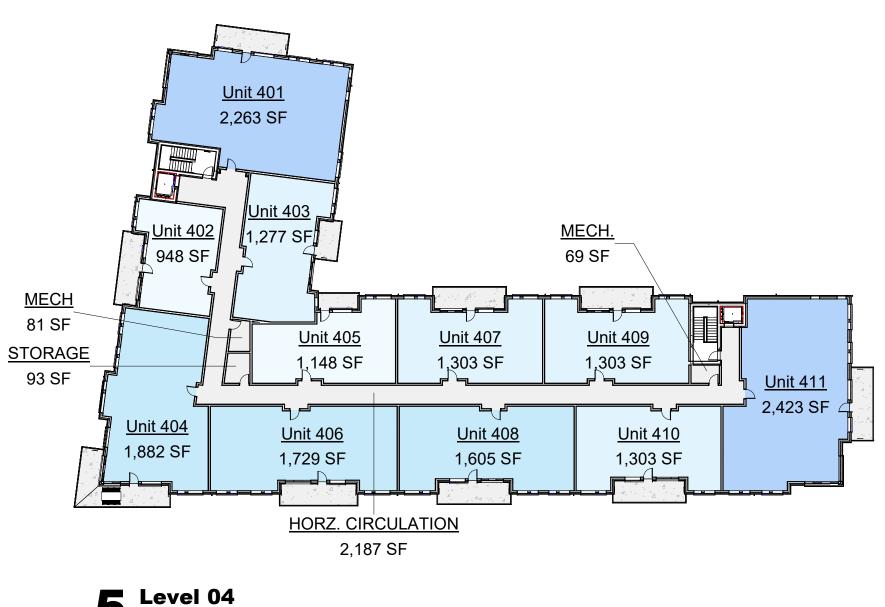
Net Area Schedule - Level 02		
Name	Area	
Amenity		
Mech.	57 SF	
Mech.	68 SF	
Storage	80 SF	
	205 SF	
Residential/Other		
Unit 202	887 SF	
Unit 205	1,083 SF	
Unit 203	1,208 SF	
Unit 209	1,224 SF	
Unit 207	1,229 SF	
Unit 210	1,229 SF	
Unit 208	1,523 SF	
Unit 206	1,643 SF	
Unit 204	1,786 SF	
Unit 201	2,151 SF	
Unit 211	2,310 SF	
	16,271 SF	
TOTAL	16,476 SF	
AMENITY PERCENTAG	GE 1.24%	

<u>Unit 209</u> ^{_} <u>Unit 211</u> <u>Unit 210</u>

Net Area Schedule - Level 00		
Name	Area	
Amenity		
Uber Lobby - Ext.	323 SF	
Uber Lobby	326 SF	
Ski Deck	665 SF	
Owner Storage	1,163 SF	
Ski Lockers	1,489 SF	
	3,966 SF	
Residential/Other		
Circulation Lobby	97 SF	
	97 SF	
TOTAL	4,063 SF	

AMENITY PERCENTAGE 97.60%





Gross Area Schedule - Level 04		
Name	Area	
OCCUPANCY R-2		
Unit 401	2,263 SF	
Unit 402	948 SF	
Unit 403	1,277 SF	
Unit 404	1,882 SF	
Unit 405	1,148 SF	
Unit 406	1,729 SF	
Unit 407	1,303 SF	
Unit 408	1,605 SF	
Unit 409	1,303 SF	
Unit 410	1,303 SF	
Unit 411	2,423 SF	
	17,183 SF	
OCCUPANCY R-2 (ACC	ESSORY)	
MECH	81 SF	
MECH.	69 SF	
STORAGE	93 SF	
	242 SF	
NO OCCUPANCY CLAS	SIFICATION	
HORZ. CIRCULATION	2,187 SF	
	2,187 SF	
	19,613 SF	

Gross Area Schedu	le - Level 02
Name	Area
OCCUPANCY R-2	
UNIT 201	2,264 SF
UNIT 202	948 SF
UNIT 203	1,276 SF
UNIT 204	1,882 SF
UNIT 205	1,148 SF
UNIT 206	1,729 SF
UNIT 207	1,303 SF
UNIT 208	1,605 SF
UNIT 209	1,303 SF
UNIT 210	1,303 SF
UNIT 211	2,423 SF
	17,183 SF
OCCUPANCY R-2 (ACC	ESSORY)
MECH.	81 SF
MECH.	69 SF
STORAGE	93 SF
	242 SF
NO OCCUPANCY CLAS	SIFICATION
HORZ. CIRCULATION	2,187 SF
	2,187 SF
	19,613 SF

Gross Area Schedule - Level 00				
Name	Area			
OCCUPANCY B				
UBER LOBBY	356 SF			
	356 SF			
OCCUPANCY S-1				
OWNER STORAGE	1,237 SF			
SKI LOCKERS	1,853 SF			
	3,090 SF			
OCCUPANCY S-2				
ELEC. RM.	410 SF			
GENERATOR RM.	339 SF			
MECH.	245 SF			
PARKING GARAGE	16,579 SF			
POOL ROOM	277 SF			
TRASH	411 SF			
WATER ENTRY AND	909 SF			
MECHANICAL				
	19,169 SF			
NO OCCUPANCY CLASSIFICATION				
CORE A	275 SF			
CORE B	262 SF			
	537 SF			
	23,153 SF			

 Λ

Name OCCUPANCY B Level 00	Area
Level 00	
UBERIUSEI	356 SF
UBER LOBBY Level 01	330 SF
GYM	512 SF
LOUNGE	2,496 SF 3,364 SF
OCCUPANCY R-2	.,
Level 01	040 05
UNIT 102 UNIT 104	948 SF 1,882 SF
UNIT 105	1,756 SF
UNIT 106	1,729 SF
UNIT 107 UNIT 108	1,303 SF 1,605 SF
UNIT 109	1,303 SF
UNIT 110	1,303 SF
UNIT 111 Level 02	2,301 SF
UNIT 201	2,264 SF
UNIT 202	948 SF
UNIT 203 UNIT 204	1,276 SF 1,882 SF
UNIT 205	1,002 SF
UNIT 206	1,729 SF
UNIT 207 UNIT 208	1,303 SF 1,605 SF
UNIT 209	1,303 SF
UNIT 210	1,303 SF
UNIT 211	2,423 SF
Level 03 Unit 301	2,263 SF
Unit 302	948 SF
Unit 303	1,277 SF
Unit 304 Unit 305	1,882 SF 1,148 SF
Unit 306	1,729 SF
Unit 307	1,303 SF
Unit 308 Unit 309	1,605 SF 1,303 SF
Unit 310	1,303 SF
Unit 311	2,423 SF
Level 04 Unit 401	2,263 SF
Unit 401	948 SF
Unit 403	1,277 SF
Unit 404 Unit 405	1,882 SF 1,148 SF
Unit 406	1,148 SF 1,729 SF
Unit 407	1,303 SF
Unit 408 Unit 409	1,605 SF 1,303 SF
Unit 409 Unit 410	1,303 SF 1,303 SF
Unit 411	2,423 SF
Level 05 UNIT 401 (LOFT)	623 SF
UNIT 404 (LOFT)	565 SF
UNIT 406 (LOFT)	691 SF
UNIT 407 (LOFT) UNIT 408 (LOFT)	615 SF 646 SF
UNIT 409 (LOFT)	615 SF
UNIT 410 (LOFT)	615 SF
	613 SF 70,662 SF
UNIT 411 (LOFT)	
OCCUPANCY R-2 (ACCES	SORY)
OCCUPANCY R-2 (ACCES Level 01	
OCCUPANCY R-2 (ACCES Level 01 MECH. MECH.	69 SF 81 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. MECH. STORAGE	69 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. MECH. STORAGE Level 02	69 SF 81 SF 93 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. MECH. STORAGE	69 SF 81 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. MECH. STORAGE Level 02 MECH. MECH. STORAGE	69 SF 81 SF 93 SF 81 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. MECH. STORAGE Level 02 MECH. MECH.	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03	69 SF 81 SF 93 SF 81 SF 69 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. STORAGE Level 03 MECH MECH. STORAGE STORAGE	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. MECH. STORAGE Level 02 MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 81 SF 93 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 81 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 81 SF 93 SF 81 SF 69 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH MECH.	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE Level 00 OCCUPANCY S-1 Level 00 OWNER STORAGE	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 81 SF 93 SF 93 SF 93 SF 93 SF 93 SF 93 SF 969 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 93 SF 69 SF 81 SF 93 SF 93 SF 93 SF 93 SF 969 SF 969 SF 1,237 SF 1,853 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE Level 00 OCCUPANCY S-1 Level 00 OWNER STORAGE	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 81 SF 93 SF 93 SF 93 SF 93 SF 93 SF 93 SF 969 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 93 SF 69 SF 81 SF 93 SF 93 SF 93 SF 93 SF 969 SF 969 SF 1,237 SF 1,853 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM.	69 SF 81 SF 93 SF 69 SF 93 SF 69 SF 81 SF 93 SF 93 SF 81 SF 93 SF 93 SF 93 SF 93 SF 969 SF 1,237 SF 1,853 SF 3,090 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM.	69 SF 81 SF 93 SF 69 SF 93 SF 69 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 93 SF 93 SF 93 SF 93 SF 969 SF 1,237 SF 1,853 SF 3,090 SF 410 SF 339 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM.	69 SF 81 SF 93 SF 69 SF 93 SF 69 SF 81 SF 93 SF 93 SF 81 SF 93 SF 93 SF 93 SF 93 SF 969 SF 1,237 SF 1,853 SF 3,090 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 93 SF 69 SF 93 SF 69 SF 93 SF 93 SF 1,237 SF 1,237 SF 1,853 SF 3,090 SF 410 SF 339 SF 245 SF 16,579 SF 277 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH	69 SF 81 SF 93 SF 69 SF 93 SF 93 SF 69 SF 81 SF 93 SF 93 SF 93 SF 93 SF 93 SF 969 SF 1,237 SF 1,853 SF 3,090 SF 410 SF 339 SF 245 SF 16,579 SF 277 SF 411 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 1,237 SF 1,853 SF 3,090 SF 410 SF 339 SF 245 SF 16,579 SF 277 SF 411 SF 909 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECHANICAL	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 93 SF 69 SF 93 SF 69 SF 93 SF 93 SF 1,237 SF 1,237 SF 1,853 SF 3,090 SF 410 SF 339 SF 245 SF 16,579 SF 277 SF 411 SF 909 SF 19,169 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 93 SF 69 SF 93 SF 69 SF 93 SF 93 SF 1,237 SF 1,237 SF 1,853 SF 3,090 SF 410 SF 339 SF 245 SF 16,579 SF 277 SF 411 SF 909 SF 19,169 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECHANICAL NO OCCUPANCY CLASSII Level 00 CORE A	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 81 SF 93 SF 969 SF 1,237 SF 1,853 SF 3,090 SF 410 SF 339 SF 245 SF 16,579 SF 277 SF 411 SF 909 SF 19,169 SF FICATION 275 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECHANICAL NO OCCUPANCY CLASSII Level 00 CORE A CORE B	69 SF 81 SF 93 SF 69 SF 93 SF 69 SF 81 SF 93 SF 81 SF 93 SF 93 SF 93 SF 93 SF 93 SF 969 SF 1,237 SF 1,853 SF 3,090 SF 1,853 SF 3,090 SF 245 SF 16,579 SF 277 SF 411 SF 909 SF 277 SF 411 SF 909 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECHANICAL NO OCCUPANCY CLASSII Level 00 CORE A CORE B Level 01	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 93 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 1,237 SF 1,853 SF 3,090 SF 277 SF 411 SF 909 SF 19,169 SF 1CATION 275 SF 262 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECHANICAL NO OCCUPANCY CLASSII Level 00 CORE A CORE B	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 81 SF 93 SF 969 SF 1,237 SF 1,853 SF 3,090 SF 410 SF 339 SF 245 SF 16,579 SF 277 SF 411 SF 909 SF 19,169 SF FICATION 275 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECHANICAL NO OCCUPANCY CLASSII Level 00 CORE A CORE B Level 01 HORZ. CIRCULATION Level 02 HORZ. CIRCULATION	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 93 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 1,237 SF 1,853 SF 3,090 SF 277 SF 411 SF 909 SF 19,169 SF 1CATION 275 SF 262 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECHANICAL NO OCCUPANCY CLASSII Level 00 CORE A CORE B Level 01 HORZ. CIRCULATION Level 02 HORZ. CIRCULATION	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 93 SF 69 SF 93 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 1,237 SF 1,853 SF 3,090 SF 277 SF 411 SF 909 SF 19,169 SF 1CATION 275 SF 262 SF 2,020 SF 2,187 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECHANICAL NO OCCUPANCY CLASSII Level 00 CORE A CORE B Level 01 HORZ. CIRCULATION Level 02 HORZ. CIRCULATION	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 81 SF 69 SF 81 SF 93 SF 969 SF 1,853 SF 3,090 SF 410 SF 339 SF 245 SF 16,579 SF 277 SF 411 SF 909 SF 19,169 SF 1CATION 275 SF 262 SF 2,020 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH. STORAGE Level 04 MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECHANICAL NO OCCUPANCY CLASSII Level 00 CORE A CORE B Level 01 HORZ. CIRCULATION Level 02 HORZ. CIRCULATION Level 03 HORZ. CIRCULATION	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 93 SF 69 SF 93 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 1,237 SF 1,853 SF 3,090 SF 277 SF 411 SF 909 SF 19,169 SF 1CATION 275 SF 262 SF 2,020 SF 2,187 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECHANICAL NO OCCUPANCY CLASSII Level 00 CORE A CORE B Level 01 HORZ. CIRCULATION Level 02 HORZ. CIRCULATION Level 04 HORZ. CIRCULATION Level 04 HORZ. CIRCULATION	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 93 SF 69 SF 93 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 93 SF 969 SF 1,237 SF 1,853 SF 3,090 SF 410 SF 339 SF 245 SF 16,579 SF 277 SF 411 SF 909 SF 19,169 SF FICATION 275 SF 262 SF 2,187 SF 2,187 SF 2,187 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECHANICAL NO OCCUPANCY CLASSII Level 00 CORE A CORE B Level 01 HORZ. CIRCULATION Level 02 HORZ. CIRCULATION Level 04 HORZ. CIRCULATION	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 1,237 SF 16,579 SF 277 SF 411 SF 909 SF 19,169 SF 1CATION 275 SF 262 SF 2,187 SF 2,187 SF 2,187 SF 2,187 SF
OCCUPANCY R-2 (ACCES Level 01 MECH. STORAGE Level 02 MECH. MECH. STORAGE Level 03 MECH MECH. STORAGE Level 03 MECH MECH. STORAGE Level 04 MECH. STORAGE OCCUPANCY S-1 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 OWNER STORAGE SKI LOCKERS OCCUPANCY S-2 Level 00 ELEC. RM. GENERATOR RM. MECH. PARKING GARAGE POOL ROOM TRASH WATER ENTRY AND MECHANICAL NO OCCUPANCY CLASSII Level 00 CORE A CORE B Level 01 HORZ. CIRCULATION Level 02 HORZ. CIRCULATION Level 04 HORZ. CIRCULATION Level 04 HORZ. CIRCULATION	69 SF 81 SF 93 SF 81 SF 69 SF 93 SF 69 SF 93 SF 69 SF 93 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 81 SF 93 SF 93 SF 969 SF 1,237 SF 1,853 SF 3,090 SF 410 SF 339 SF 245 SF 16,579 SF 277 SF 411 SF 909 SF 19,169 SF FICATION 275 SF 262 SF 2,187 SF 2,187 SF 2,187 SF

Gross Area Schedule - Building

D	TOWN	5C IG	B N	
	12/15/	465 2023		
	The Amble	Steamboat Springs, CO		
	Descri RFI #65.1 RFI #124	ption	Date 05.24.24 06.20.24	
PROJECT NUMBER 20019 ISSUE DATE 03/15/2024 THE AMBLE ISSUE IFC SET SHEET TITLE GROSS AREA PLANS SHEET NO.				