Inspiration at Southpoint Apartments

Fort Meyers, Florida

GOAT FARM BUILDING / UNIT TABULATIONS

BUILDING 1 (a)							BUILDING 1 (b)							BUILDING 2							PROJECT TOTALS	
UNIT TYPES	NET	BALC	EXT. STOR	GROSS	QUANT.	GROSS/ UNIT TYPE	UNIT TYPES	NET	BALC	EXT. STOR	GROSS	QUANT.	GROSS/ UNIT TYPE	UNIT TYPES	NET	BALC	EXT. STOR	GROSS	QUANT.	GROSS/ UNIT TYPE	TOTAL / UNIT TYPE	GROSS SF PER UNIT TYPE
UT 1.0	763	55	26	844	37	31,228	UT 1.0	763	55	26	844	37	31,228	UT 1.0	763	55	26	844	44	37,136	118	99,592
				-		0					-		0					-		0	-	0
UT 2.0	1,095	55	19	1,169	43	50,267	UT 2.0	1,095	55	19	1,169	43	50,267	UT 2.0	1,095	55	19	1,169	20	23,380	106	123,914
UT 2.1	1,131	54	19	1,204	8	9,632	UT 2.1	1,131	54	19	1,204	8	9,632	UT 2.1	1,131	54	19	1,204	16	19,264	32	38,528
UT 2.2	1,491	134	-	1,625	4	6,500	UT 2.2	1,491	134	-	1,625	4	6,500	UT 2.2	1,491	134	-	1,625	8	13,000	16	26,000
				-		0					-		0					-		0	-	0
UT 3.0	1,376	58	18	1,452	8	11,616	UT 3.0	1,376	58	18	1,452	8	11,616	UT 3.0	1,376	58	18	1,452	8	11,616	24	34,848
				-							-							-				
BUILDING 1 TOTALS					100	109,243	BUILDING 2 TOTALS					100	109,243	BUILDING 3 TOTALS					96	104,396		
																				PROJECT TOTALS	296	322,882

SHEET INDEX

ARCHITECTURAL						STRUCTURAL						PLUMBING						MECHANICAL						ELECTRICAL						FIRE PROTECTION					
PREP DATE	REV DATE	SHEET NUMBER	SHEET TITLE	PREP DATE	REV DATE	SHEET NUMBER	SHEET TITLE	PREP DATE	REV DATE	SHEET NUMBER	SHEET TITLE	PREP DATE	REV DATE	SHEET NUMBER	SHEET TITLE	PREP DATE	REV DATE	SHEET NUMBER	SHEET TITLE	PREP DATE	REV DATE	SHEET NUMBER	SHEET TITLE	PREP DATE	REV DATE	SHEET NUMBER	SHEET TITLE	PREP DATE	REV DATE	SHEET NUMBER	SHEET TITLE
11/24/2021		A0.00	Cover Sheet	11/24/2021		A1.30	Unit 1.0 Floor Plans	5/17/2019	1/7/2020	S1.01	General Notes	5/16/2019		PMEG.01	UL Details	5/16/2019		M0.01	Schedules Legend & Notes	5/16/2019		E0.01	Schedules Notes & Legend	5/16/2019		FA0.01	Schedules Notes & Legend
11/24/2021		A0.01	Architectural Site Plan	11/24/2021		A1.31	Unit 2.0 Floor Plans	5/17/2019	1/7/2020	S1.02	General Notes	5/16/2019		PMEG.02	UL Details	5/16/2019		M0.02	Schedules	5/16/2019	7/11/2019	E0.02	Details	5/16/2019		FA1.10	Building Type 1 - First Floor Plan
11/24/2021		A0.02	General Notes	11/24/2021		A1.32	Unit 2.1 Floor Plans	5/17/2019	1/7/2020	S1.03	Typical Notes & Details	5/16/2019		PMEG.03	UL Details	5/16/2019		M0.03	Details	5/16/2019		E0.03	Details	5/16/2019		FA1.11	Building Type 1 - Second Floor Plan
11/24/2021		A0.10-L	Building Type 1-L Appendix B Summary	11/24/2021		A1.33	Unit 2.2 & 2.3 Floor Plans	5/17/2019	1/7/2020	S2.10	Building 1 Slab Dimension Plan	5/16/2019	7/11/2019	P0.01	Schedules & Notes	5/16/2019		M1.10	Building Type 1 - First Floor Plan	5/16/2019		E1.10	Building Type 1 - First Floor Plan	5/16/2019		FA1.12	Building Type 1 - Third Floor Plan
11/24/2021		A0.10-R	Building Type 1-R Appendix B Summary	11/24/2021		A1.34	Unit 3.0 Floor Plans	5/17/2019	1/7/2020	S2.11a	Building 1 Foundation Plan	5/16/2019		P0.02	Schedules & Details	5/16/2019		M1.14	Building Type 1 - Roof Plan	5/16/2019		E1.11	Building Type 1 - Second Floor Plan	5/16/2019		FA1.13	Building Type 1 - Fourth Floor Plan
11/24/2021		A0.10-1	Building Type 1 Life Safety Plan	11/24/2021		A1.35	Door & Window Schedule	5/17/2019	7/3/2019	S2.11b	Building 1 Foundation Plan	5/16/2019		P0.03	Details	5/16/2019		M1.20	Building Type 2 - First Floor Plan	5/16/2019		E1.12	Building Type 1 - Third Floor Plan	5/16/2019		FA1.20	Building Type 2 - First Floor Plan
11/24/2021		A0.10-2	Building Type 1 Life Safety Plan	11/24/2021		A1.36	Interior Bath Elevations	5/17/2019	1/7/2020	S2.11c	Building 1 Foundation Plan	5/16/2019		P1.10	Building Type 1 - First Floor Plan	5/16/2019		M1.24	Building Type 2 - Roof Plan	5/16/2019		E1.13	Building Type 1 - Fourth Floor Plan	5/16/2019		FA1.21	Building Type 2 - Second Floor Plan
11/24/2021		A0.10-3	Building Type 1 Life Safety Plan	11/24/2021		A1.37	Interior Kitchen Elevations	5/17/2019	1/7/2020	S2.12a	Building 1 Second Floor Framing Plan	5/16/2019		P1.11	Building Type 1 - Second Floor Plan	5/16/2019		M1.30	Unit Plans	5/16/2019		E1.14	Building Type 1 - Roof Plan	5/16/2019		FA1.22	Building Type 2 - Third Floor Plan
11/24/2021		A0.10-4	Building Type 1 Life Safety Plan	11/24/2021		A1.38	Interior Kitchen Elevations	5/17/2019	1/7/2020	S2.12b	Building 1 Second Floor Framing Plan	5/16/2019		P1.12	Building Type 1 - Third Floor Plan	5/16/2019		M1.31	Unit Plans	5/16/2019		E1.20	Building Type 2 - First Floor Plan	5/16/2019		FA1.23	Building Type 2 - Fourth Floor Plan
11/24/2021		A0.11	Building Type 2 Appendix B Summary	11/24/2021		A1.40	Wall Sections	5/17/2019	1/7/2020	S2.12c	Building 1 Second Floor Framing Plan	5/16/2019		P1.13	Building Type 1 - Fourth Floor Plan	5/16/2019	7/11/2019	M1.32	Unit Plans	5/16/2019		E1.21	Building Type 2 - Second Floor Plan	5/16/2019		FA1.30	Unit Plans
11/24/2021		A0.11-1	Building Type 2 Life Safety Plan	11/24/2021		A1.41	Wall Sections	5/17/2019	1/7/2020	S2.13a	Building 1 Third/Fourth Floor Framing Plan	5/16/2019	7/11/2019	P1.14	Building Type 1 - Roof Plan	5/16/2019		M1.33	Unit Plans	5/16/2019	7/11/2019	E1.22	Building Type 2 - Third Floor Plan	5/16/2019		FA1.31	Unit Plans
11/24/2021		A0.11-2	Building Type 2 Life Safety Plan	11/24/2021		A1.42	Wall Sections	5/17/2019	1/7/2020	S2.13b	Building 1 Third/Fourth Floor Framing Plan	5/16/2019	7/11/2019	P1.15	Roof Calculations - Building Type 1	5/16/2019		M2.10	Clubhouse Plan	5/16/2019		E1.23	Building Type 2 - Fourth Floor Plan	5/16/2019		FA1.32	Unit Plans
11/24/2021		A0.11-3	Building Type 2 Life Safety Plan	11/24/2021		A1.43	Wall Sections	5/17/2019	11/6/2019	S2.13c	Building 1 Third/Fourth Floor Framing Plan	5/16/2019	7/11/2019	P1.20	Building Type 2 - First Floor Plan	5/16/2019		M3.10	Pool House Plan	5/16/2019		E1.24	Building Type 2 - Roof	5/16/2019		FA1.33	Unit Plans
11/24/2021		A0.11-4	Building Type 2 Life Safety Plan	11/24/2021		A1.44	Wall Sections	5/17/2019	7/3/2019	S2.14a	Building 1 Roof Framing Plan	5/16/2019	7/11/2019	P1.21	Building Type 2 - Second Floor Plan	5/16/2019		M5.10	Maintenance & Car Wash Building	5/16/2019		E1.30	Unit Plans				
11/24/2021		A0.12	Clubhouse Appendix B	11/24/2021		A1.45	Wall Sections	5/17/2019	7/3/2019	S2.14b	Building 1 Roof Framing Plan	5/16/2019		P1.22	Building Type 2 - Third Floor Plan					5/16/2019		E1.31	Unit Plans				
11/24/2021		A0.12-1	Clubhouse Life Safety Plan	11/24/2021		A1.46	Wall Sections	5/17/2019	7/3/2019	S2.14c	Building 1 Roof Framing Plan	5/16/2019		P1.23	Building Type 2 Fourth Floor Plan					5/16/2019		E1.32	Unit Plans				
11/24/2021		A0.13	Pool House Appendix B	11/24/2021		A1.50	Building Stair Plans	5/17/2019	7/3/2019	S2.20	Building 2 Slab Dimension	5/16/2019		P1.24	Building Type 2 Roof Plan					5/16/2019		E1.33	Unit Plans				
11/24/2021		A0.14	Maintenance Building Appendix B	11/24/2021		A1.51	Building Stair Plans	5/17/2019	7/3/2019	S2.21a	Building 2 Foundation Plan	5/16/2019		P1.25	Roof Calculations - Building Type 2					5/16/2019		E2.10	Clubhouse Plan Lighting				
11/24/2021		A0.15	Compactor Enclosure Appendix B	11/24/2021		A1.52	Stair Section	5/17/2019	7/3/2019	S2.21b	Building 2 Foundation Plan	5/16/2019	7/11/2019	P1.30	Unit Plans					5/16/2019	7/11/2019	E2.11	Clubhouse Plan Power				
11/24/2021		A0.20	UL Details	11/24/2021		A1.53	Enlarged Stair Details	5/17/2019	7/3/2019	S2.22a	Building 2 Second Floor Foundation Plan	5/16/2019		P1.31	Unit Plans					5/16/2019		E2.12	Clubhouse Riser & Panel Schedule				
11/24/2021		A0.21	UL Details	11/24/2021		A1.54	Enlarged Stair Details	5/17/2019	7/3/2019	S2.22b	Building 2 Second Floor Foundation Plan	5/16/2019	7/11/2019	P1.32	Unit Plans					5/16/2019		E3.10	Pool House Plan				
11/24/2021		A0.22	UL Details	11/24/2021		A1.60	Enlarged Details	5/17/2019	7/3/2019	S2.23a	Building 2 Third/Fourth Floor Framing Plan	5/16/2019		P1.33	Unit Plans					5/16/2019		E4.10	Dumpster Enclosure Plan				
11/24/2021		A0.23	UL Details	11/24/2021		A1.61	Enlarged Details	5/17/2019	7/3/2019	S2.23b	Building 2 Third/Fourth Floor Framing Plan	5/16/2019		P2.10	Clubhouse Plan					5/16/2019		E5.10	Maintenance & Car Wash Building				
11/24/2021		A0.24	UL Details	11/24/2021		A1.62	Enlarged Details	5/17/2019	7/3/2019	S2.24a	Building 2 Roof Framing Plan	5/16/2019	7/11/2019	P3.10	Pool House Plan					5/16/2019		E6.01	Building Type 1 Electrical Panel Schedules & Riser				
11/24/2021		A0.25	UL Details	11/24/2021		A1.63	Enlarged Details	5/17/2019	7/3/2019	S2.24b	Building 2 Roof Framing Plan	5/16/2019		P5.10	Maintenance & Car Wash Building					5/16/2019		E6.02	Building Type 2 Electrical Panel Schedules & Riser				
11/24/2021		A0.26	UL Details	11/24/2021		A1.64	Enlarged Details			S2.31	Clubhouse Foundation			P6.01	Plumbing Risers					5/16/2019		E6.03	Panel Schedules				
11/24/2021		A0.27	UL Details	11/24/2021		A1.65	Door & Window Details			S2.32	Clubhouse Roof Plan																
11/24/2021		A0.30	Project Notes	11/24/2021		A1.66	Elevator Section & Details			S2.33	Miscellaneous Buildings Foundation Plans																
11/24/2021		A0.31	Project Notes	11/24/2021		A2.10	Clubhouse Floor Plan			S2.34	Miscellaneous Buildings Roof Plans																
11/24/2021		A1.10-L	Building Type 1-L First Floor Plan	11/24/2021		A2.11	Clubhouse Roof Plan			S3.01	Foundation Sections & Details																
11/24/2021		A1.11-L	Building Type 1-L Second Floor Plan	11/24/2021		A2.12	Clubhouse Exterior Elevations			S4.01	Framing Sections & Details																
11/24/2021		A1.12-L	Building Type 1-L Third Floor Plan	11/24/2021		A2.13	Clubhouse Exterior Elevations			S4.02	Framing Sections & Details																
11/24/2021		A1.13-L	Building Type 1-L Fourth Floor Plan	11/24/2021		A2.14	Clubhouse Enlarged Plans			S5.01	Shearwall Typical Details																
11/24/2021		A1.14-L	Building Type 1-L Roof Plan	11/24/2021		A2.15	Clubhouse Interior Elevations			S5.02	Shearwall Typical Details																
11/24/2021		A1.10-R	Building Type 1-R First Floor Plan	11/24/2021		A2.16	Clubhouse Wall Sections																				
11/24/2021		A1.11-R	Building Type 1-R Second Floor Plan	11/24/2021		A2.17	Clubhouse Wall Sections																				
11/24/2021		A1.12-R	Building Type 1-R Third Floor Plan	11/24/2021		A2.18	Clubhouse Wall Sections																				
11/24/2021		A1.13-R	Building Type 1-R Fourth Floor Plan	11/24/2021		A2.19	Clubhouse Wall Sections																				
11/24/2021		A1.14-R	Building Type 1-R Roof Plan	11/24/2021		A2.20	Clubhouse Mailbox Details																				
11/24/2021		A1.15	Building Type 1 Exterior Elevations	11/24/2021		A2.21	Clubhouse Door & Window Schedules																				
11/24/2021		A1.16	Building Type 1 Exterior Elevations	11/24/2021		A3.10	Pool House Floor Plan																				
11/24/2021		A1.20	Building Type 2 First Floor Plan	11/24/2021		A3.11	Pool House Roof Plan																				
11/24/2021		A1.21	Building Type 2 Second Floor Plan	11/24/2021		A3.12	Pool House Exterior Elevations																				
11/24/2021		A1.22	Building Type 2 Third Floor Plan	11/24/2021		A3.13	Pool House Details & Interior Elevations																				
11/24/2021		A1.23	Building Type 2 Fourth Floor Plan	11/24/2021		A3.14	Pool House Details																				
11/24/2021		A1.24	Building Type 2 Roof Plan	11/24/2021		A4.10	Maintenance & Carwash Building																				
11/24/2021		A1.25	Building Type 2 Exterior Elevations	11/24/2021		A5.10	Dumpster Enclosure Layout																				
11/24/2021		A1.26	Building Type 2 Exterior Elevations																								
11/24/2021		A1.27	Building Type 2 Exterior Elevations																								

1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes.
2. Contractor is to notify architect immediately of conditions or items varying from depicted information.
3. Planworx Architecture, P.A. is not responsible for constructed variations from the information depicted.
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Roof and Floor trusses are light frame. Post signage on structures which meets the requirements of the Florida Administrative Code 69A-60.081

Knox box to be installed on the exterior of each apartment building within 5 feet of the main entrance door. Mounting height to be not greater than 5'-0" A.F.F. Coordinate requirements w/ local fire marshal.

The contractor shall make available to the Building Inspector any documentation necessary to verify that all exterior envelope components requiring product approval per FS 553.842 are in compliance with product approval installation requirements.

Fire Alarm, Automatic Sprinkler and Fire Line Subcontractor's shall each submit plans for evaluation and permitting prior to commencement of new work.

Each new fire wall, fire barrier, fire partition, smoke barrier, smoke partition, or any other new wall required to have protected openings shall be permanently identified with signs or stenciling above decorative ceilings and in concealed spaces with the wording, "fire and smoke barrier - protect all openings," or similar language. Such signs or stenciling shall be 4-inch high letters, 1/2-inch stroke, and not more than 15-feet on-center

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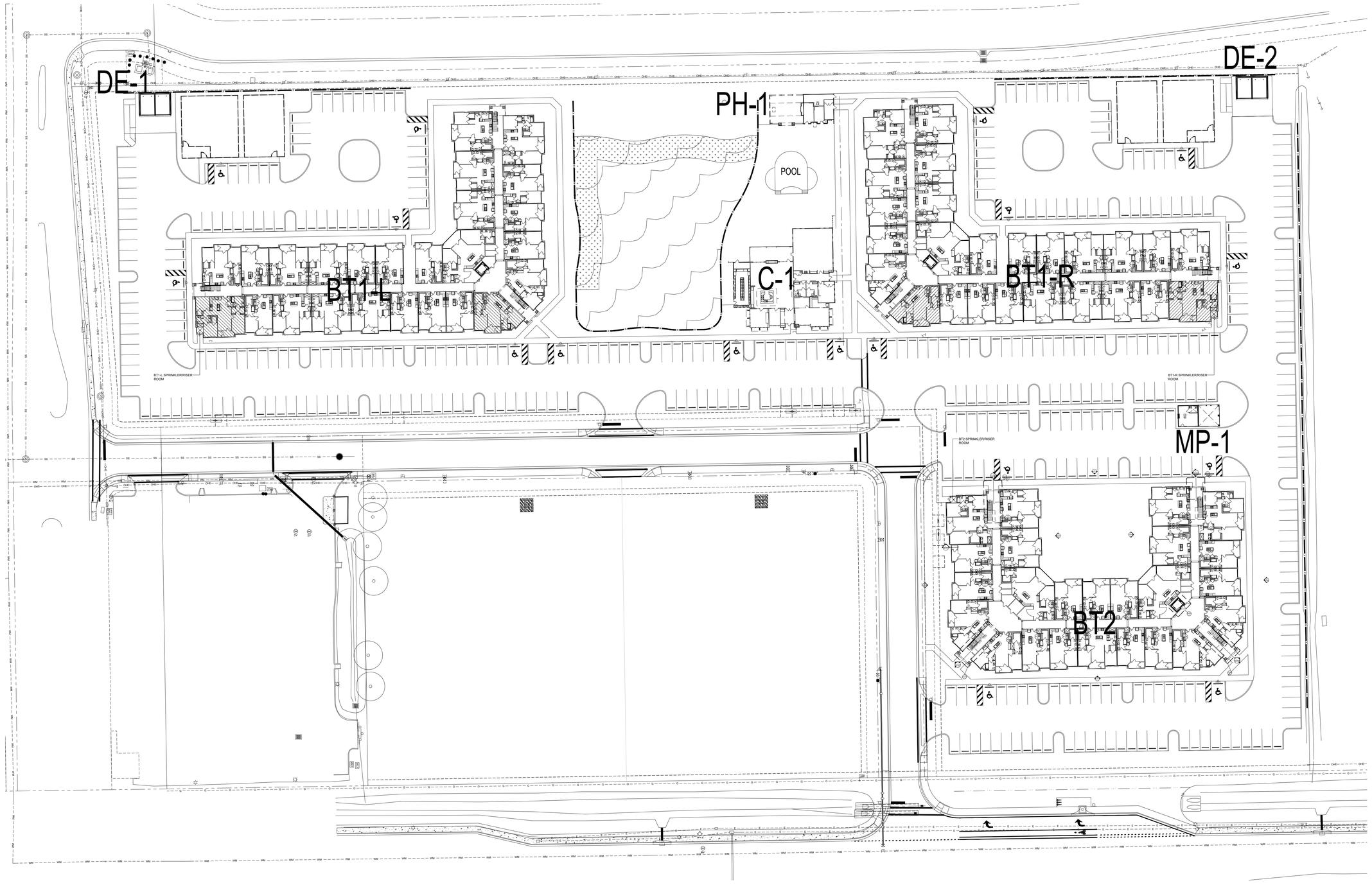
Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE:
ISSUE DATE: 11-24-21 (99% Set) -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Cover Sheet
SHEET NUMBER: A0.00



ARCHITECTURAL SITE PLAN

SCALE: N.T.S.

1

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PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments

Zimmer Development Company

Fort Meyers, Florida

-

PROGRESS DATE:	11-24-21 (99% Set)		
ISSUE DATE:	-		
REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819

DRAWN BY: CL/AM

CHECKED BY:

SHEET TITLE:

Architectural Site Plan

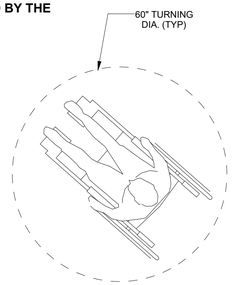
SHEET NUMBER:

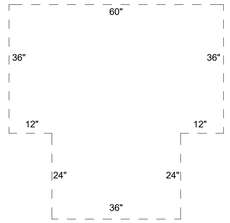
A0.01

REQUIREMENTS FOR ADAPTABLE UNITS AS REQUIRED BY THE FAIR HOUSING ACT OF 1988

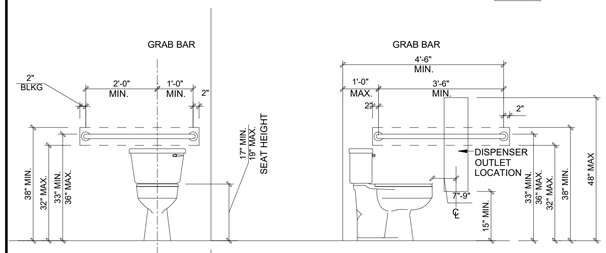
1. LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS AND OTHER ENVIROMENTAL CONTROLS TO BE LOCATED NO HIGHER THAN 48" AND NO LOWER THAN 15" ABOVE FINISHED FLOOR. IF THE REACH TO ANY OF THE ABOVE MENTIONED ITEMS IS OVER AN OBSTRUCTION GREATER THAN 20-25 INCHES DEEP (EG. KITCHEN BASE CABINETS) - THE MAXIMUM HEIGHT IS REDUCED TO 44 INCHES FOR FORWARD APPROACH OR 46 INCHES FOR SIDE APPROACH, PROVIDED THE OBSTRUCTION IS NO MORE THAN 24 INCHES IN DEPTH.
2. BATHROOMS TO HAVE REINFORCED WALLS FOR LATER INSTALLATION OF GRAB BARS. REFER TO THE DIAGRAMS BELOW FOR BLOCKING LOCATIONS.
3. "OPTION B" BATHROOMS EQUIPPED WITH WATER CLOSETS SITUATED BETWEEN THE TUB A LAVATORY WILL REQUIRE REINFORCING IN WALLS FOR FUTURE WALL-MOUNTED FOLD-UP GRAB BARS. REINFORCING IN WALLS TO RECEIVE WALL-MOUNTED FOLD-UP GRAB BARS WILL NEED TO BE 12" OR GREATER IN HEIGHT AND VERY SECURELY ANCHORED IN PLACE. REINFORCING FOR ALL TYPES OF FOLDING GRAB BARS SHALL BE DONE STRICTLY AS RECOMMENDED BY MANUFACTURERS.

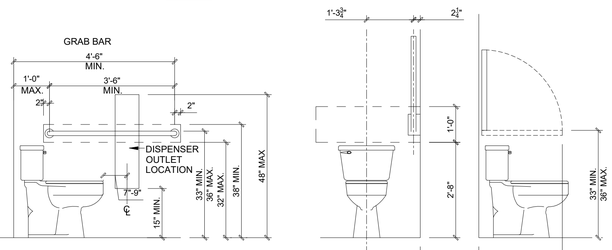
TURNING SPACE





CIRCULAR

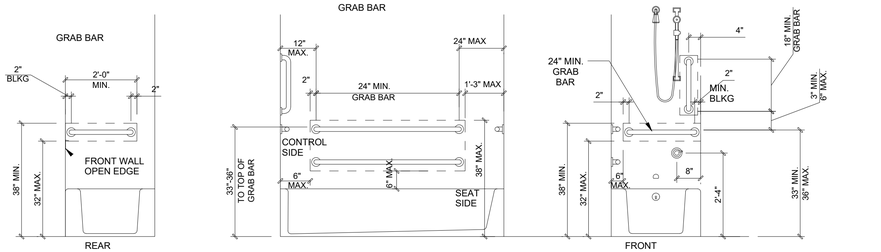




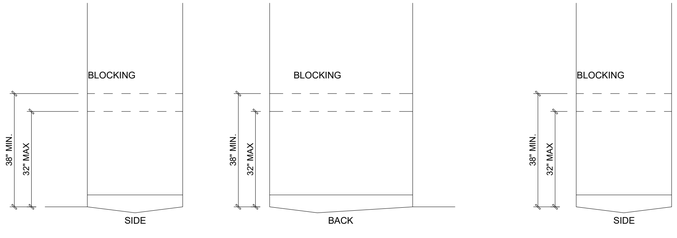
LOCATION OF GRAB BAR REINFORCEMENTS FOR WATER CLOSETS IN ADAPTABLE BATHROOMS

T -SHAPED

FOLD UP GRAB BAR
SEE NOTE 3



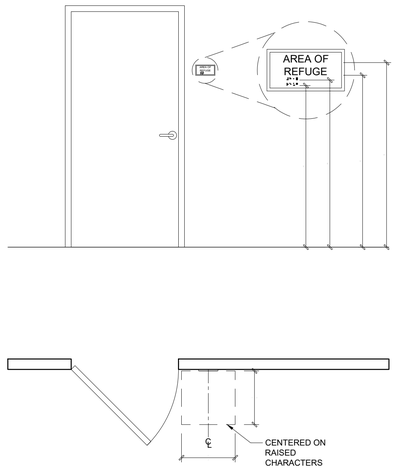
LOCATION OF GRAB BAR REINFORCEMENTS FOR ADAPTABLE BATHTUBS



LOCATION OF GRAB BAR REINFORCEMENTS FOR ADAPTABLE SHOWERS

NOTE:
THE AREAS OUTLINED IN DASHED LINES REPRESENT LOCATIONS OF BLOCKING FOR FUTURE INSTALLATION OF GRAB BARS.

BLOCKING SHALL ACCOMMODATE GRAB BARS WHICH WILL BE MOUNTED AT 33"-36" AFF



SIGNAGE DETAILS — Scale: 1/2" = 1'-0" — 4

SIGNAGE NOTES

1. PROVIDE ROOM SIGNS AT ALL PUBLIC ROOM DOORS.
2. PROVIDE UNIT NUMBER SIGN AT ALL APARTMENT ENTRY DOORS. REVIEW AND APPROVED UNIT NUMBERING SHOWN ON LIFE SAFETY PLANS WITH LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.
3. PROVIDE POSTED OCCUPANT LOAD SIGN IN EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY.
4. PROVIDE "EXIT" SIGNS IN VISUAL CHARACTERS, RAISED CHARACTERS AND BRAILLE COMPLYING WITH ICC A117.1 ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, AN EXTERIOR AREA FOR ASSISTED RESCUE, AN EXIT STAIRWAY OR RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. SIGNS SHALL BE PLACED ON THE WALL, ON THE LATCH SIDE OF THE DOOR, 48-60 INCHES OFF THE FLOOR.
5. PROVIDE DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE NEAREST LIKE ACCESSIBLE ELEMENT SHALL BE PROVIDED AT INACCESSIBLE BUILDING ENTRANCES.
5. PROVIDE 5/8" TALL RAISED CHARACTERS AND TYPE 2 BRAILLE ON ALL SIGNS.
6. MOUNT SIGNS AT 48" AFF TO BOTTOM OF SIGN. MOUNT SIGNS ON WALL, NOT ON DOORS. LOCATE SIGN ADJACENT TO THE LATCH SIDE OF DOOR. SEE LOCATION NOTES FOR ADDITIONAL INFORMATION.
7. SIGNAGE SHALL COMPLY WITH 1009.9, 1013.4, & E107 OF THE FBC AND 703 OF FBC, ACCESSIBILITY

LOCATION NOTES

1. WHERE A SIGN CONTAINING RAISED CHARACTERS AND BRAILLE IS PROVIDED AT A DOOR, THE SIGN SHALL BE ALONGSIDE THE DOOR AT THE LATCH SIDE.
2. WHERE A SIGN CONTAINING RAISED CHARACTERS AND BRAILLE IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF.
3. WHERE A SIGN CONTAINING RAISED CHARACTERS AND BRAILLE IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT-HAND DOOR.
4. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR TO THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE ON THE NEAREST ADJACENT WALL.
5. SIGNS CONTAINING RAISED CHARACTERS AND BRAILLE SHALL BE LOCATED SO THAT A CLEAR FLOOR AREA 18" MIN. BY 18" MIN. CENTERED ON THE RAISED CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

GENERAL ACCESSIBILITY REQUIREMENTS

1. ALL UNITS ON FLOORS SERVED BY AN ELEVATOR SHALL MEET THE REQUIREMENTS OF THE FAIR HOUSING ACT DESIGN MANUAL.
2. "MOBILITY" UNITS (5% OF TOTAL UNITS) SHALL BE DISPERSED AMONG THE VARIOUS CLASSES OF UNIT. SEE BUILDING PLANS FOR LOCATIONS OF "MOBILITY" UNITS.
3. "COMMUNICATION FEATURE" UNITS (2% OF TOTAL UNITS) SHALL BE DISPERSED AMONG THE "MOBILITY" UNITS AS INDICATED ON THE ARCHITECTURAL SITE PLAN.

REQUIREMENTS FOR ALL "MOBILITY" & "FAIR HOUSING" DWELLING UNITS

THE FOLLOWING SHALL BE INSTALLED IN MOBILITY AND FAIR HOUSING UNITS PRIOR TO CERTIFICATE OF OCCUPANCY.

1. PROVIDE WALL BLOCKING FOR GRAB BARS & SHOWER SEAT CAPABLE OF SUPPORTING MIN. 250 LBS. LOCATE BLOCKING PER DETAILS THIS SHEET.
2. MOUNT TOILET PAPER HOLDER BETWEEN 18" & 19" A.F.F. TO TOP OF HOLDER.
3. TOWEL BARS MOUNTED AT 48" A.F.F. (MAX.)
4. BOTTOM EDGE OF MIRROR MOUNTED AT 40" A.F.F. (MAX.)
5. LIGHT AND FAN SWITCHES, DRAPERY MECHANISMS, THERMOSTATS AND FIRE ALARMS SHALL BE LOCATED NO HIGHER THAN 48" A.F.F.
6. PROVIDE ADJUSTABLE SHOWER HEAD W/ 60" FLEXIBLE HOSE AT 76" A.F.F. AND SINGLE LEVER WATER CONTROL AT 6" MAX. ABOVE AND 8" TUB RIM AND 8" CENTERLINE FROM TUB EDGE. LOCATED AT HANDICAP UNITS ONLY.
7. INSTALL LEVER TYPE HARDWARE ON ALL DOORS

GENERAL REQUIREMENTS FOR "MOBILITY" DWELLING UNITS

THE FOLLOWING SHALL BE INSTALLED IN MOBILITY UNITS PRIOR TO CERTIFICATE OF OCCUPANCY.

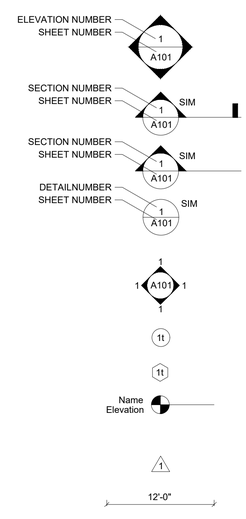
1. WATER SUPPLY AND DRAIN LINES UNDER KITCHEN SINK AND AT THE ACCESSIBLE BATHROOM LAVATORIES SHALL BE INSULATED OR SHIELDED TO PROTECT AGAINST CONTACT WITH USER'S BODY.
2. CABINET FRONT AT KITCHEN SINK AND AT THE ACCESSIBLE BATHROOM LAVATORY SHALL BE REMOVABLE WITHOUT THE REMOVAL OR REPLACEMENT OF THE SINK/LAV.
3. THE FLOOR FINISH AT KITCHEN SINK AND AT THE ACCESSIBLE BATHROOM LAVATORY SHALL EXTEND UNDER THE CABINETRY.
4. THE WALL BEHIND AND THE CABINETRY SURROUNDING THE KNEE SPACE AT KITCHEN SINK AND AT THE ACCESSIBLE BATHROOM LAVATORY SHALL BE FINISHED.
5. PROVIDE A MIN. 30" W X 19" L X 27" H CLEAR FLOOR AREA BELOW KITCHEN SINK AND AT THE ACCESSIBLE BATHROOM LAVATORY.
6. INSTALL SHELVES IN CLOSETS AT 48" A.F.F. MAX.
7. INSTALL RANGE W/ FRONT MOUNTED CONTROLS.
8. INSTALL DISHWASHER WITH FRONT MOUNTED PUSH-BUTTON CONTROLS. DISHWASHER DOOR SHALL LOCK EITHER BY BUTTON OR LEVER.
9. PROVIDE ACCESSIBLE WASHER AND DRYER WITH FRONT CONTROLS. TOP LOADING MACHINES SHALL HAVE THE DOOR TO THE LAUNDRY COMPARTMENTS 36 INCHES MAXIMUM ABOVE THE FLOOR. FRONT LOADING MACHINES SHALL HAVE THE BOTTOM OF THE OPENING TO THE LAUNDRY COMPARTMENT 15 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FLOOR.
10. PROVIDE KITCHEN SINK W/ AT LEAST ONE BOWL DEPTH THAT ALLOWS KNEE CLEARANCE DEPTH OF 8 INCHES AT 27 INCHES AFF AND 11 INCHES DEPTH AT 9 INCHES AFF.
11. PROVIDE ACCESSIBLE LAVATORY THAT ALLOWS KNEE CLEARANCE DEPTH OF 8 INCHES AT 27 INCHES AFF AND 11 INCHES DEPTH AT 9 INCHES AFF.
12. INSTALL ADJUSTABLE HEIGHT HAND HELD SHOWER SPRAY WITH HOSE 59 INCHES MINIMUM LENGTH.
13. PROVIDE KITCHEN COUNTER WORK SURFACE AT 34 INCHES AFF. PROVIDE PULL UNDER KNEE SPACE AT A SECTION OF WORK CURFACE OF MINIMUM WIDTH 30 INCHES

ADAPTABLE OPTIONS FOR "MOBILITY" DWELLING UNITS AFTER CERTIFICATE OF OCCUPANCY

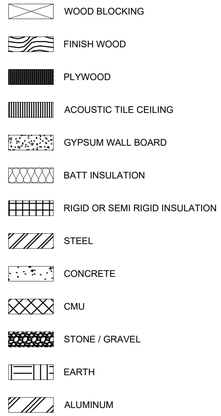
THE FOLLOWING ADAPTABLE FEATURES ARE ALLOWED TO BE INSTALLED AFTER CERTIFICATE OF OCCUPANCY BUT BEFORE OCCUPATION BY A HANDICAPPED TENANT.

1. INSTALL GRAB BARS IN BATHROOMS. (BLOCKING SHALL BE PROVIDED BEFORE C OF O PER ABOVE NOTES)
2. INSTALL TUB SEAT IN ACCESSIBLE BATHTUB(S).
3. INSTALL SHOWER SEAT IN ACCESSIBLE SHOWER(S).

ARCHITECTURAL SYMBOLS



MATERIAL GRAPHICS



ATOS	ABOVE TOP OF SLAB
AFF	ABOVE FINISHED FLOOR
ATC	ACOUSTIC(AL) CEILING TILE
ADD	ADDENDUM
ADH	ADHESIVE
ADJ	ADJACENT
ALUM	ALUMINUM
ARCH	ARCHITECT(URAL)
BM	BEAM
BET	BETWEEN
BLK	BLOCK(ING)
BD	BOARD
BLDG	BUILDING
BHD	BULKHEAD
BTOS	BELOW TOP OF SLAB
CAB	CABINET
CLG	CEILING
CT	CERAMIC TILE
CTR	CENTER
CLR	CLEAR(ANCE)
CL	CLOSET
COL	COLUMN
COMB	COMBINATION
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONF	CONFERENCE
CONST	CONSTRUCTION
CJ	CONSTRUCTION JOINT
CONT	CONTINUOUS
CONTR	CONTRACTOR
DEMO	DEMOLITION
DTL	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DR	DOOR
DBL	DOUBLE
DN	DOWN
DWR	DRAWER
DWG	DRAWING
DF	DRINKING FOUNTAIN
EA	EACH
ELEC	ELECTRIC(AL)
EWC	ELECTRIC WATER COOLER
EL	ELEVATIONS
ELEV	ELEVATOR
ENCL	ENCLOSE(URE)
EQ	EQUAL
EX	EXISTING
EJ	EXPANSION JOINT
EXP	EXPOSED
EXT	EXTERIOR
FF	FINISHED FLOOR
FIN	FINISH(ED)
FA	FIRE ALARM
FC	FLOORING CHANGE
FE	FIRE EXTINGUISHER
FHC	FIRE HOSE CABINET
FR	FIRE RATED(ING)
FL	FLOOR(ING)
FD	FLOOR DRAIN
FUR	FURR(ING)
GA	GAUGE
GWB	GYPSUM WALL BOARD
HORZ	HORIZONTAL
H&V	HORIZONTAL AND VERTICAL
HR	HOUR
INCL	INCLUDE(ING)
ID	INSIDE DIAMETER
INSUL	INSULATE, INSULATION
INT	INTERIOR
JC	JANITORS CLOSET
KD	KNOCK DOWN
JT	JOINT
KIT	KITCHEN
LBL	LABEL
LAM	LAMINATE
LAV	LAVATORY
LH	LEFT HAND
LT	LIGHT
LG	LONG, LENGTH
MFR	MANUFACTURER
MO	MASONRY OPENING
MTL	MATERIAL(S)
MAX	MAXIMUM
MECH	MECHANICAL
MET	METAL
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MOV	MOVABLE
MUL	MULLION
NOM	NOMINAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OFF	OFFICE
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
OD	OUTSIDE DIAMETER
OA	OVERALL
OH	OVERHEAD
PTD	PAINTED
PR	PAIR
PBD	PARTICALE BOARD
PTN	PARTITION
PERF	PERFORATED
PLAS	PLASTER
PLAM	PLASTIC LAMINATE
PWD	PLYWOOD
PT	PAPER TOWEL DISPENSER
PROJ	PROJECT(ED)
QT	QUARRY TILE
RAD	RADIUS
REF	REFERENCE
REINF	REINFORCING
REQ	REQUIRED
RES	RESILIENT
REV	REVISION
RH	RIGHT HAND
R	RISER
RM	ROOM
RO	ROUGH OPENING
RB	RUBBER BASE
SND	SANITARY NAPKIN DISPOSAL
SR	SANITARY NAPKIN RECEPTACLE
SCHED	SCHEDULE
SD	SOAP DISPENSER
SH	SHELF, SHELVING
SIM	SIMILAR
SC	SOLID CORE
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUC	STRUCTURAL
SUSP	SUSPENDED
TEL	TELEPHONE
THK	THICKNESS
THRES	THRESHOLD
TP	TOILET PAPER DISPENSER
T&G	TOUNGE AND GROOVE
T	TREAD
TOS	TOP OF SLAB
TYP	TYPICAL
UC	UNDERCUT
UNF	UNFINISHED
UON	UNLESS OTHERWISE NOTED
VIF	VERIFY IN FIELD
VB	VINYL BASE
VERT	VERTICAL
VCT	VINYL COMPOSITION TILE
WC	WALL COVERING
WP	WATERPROOFING
W/	WITH
W/O	WITHOUT
WD	WOOD

FAIR HOUSING NOTES — Scale: 1/2" = 1'-0" — 1

SYMBOLS & GRAPHICS — Scale: 1/8" = 1'-0" — 2

ABBREVIATIONS — 3

1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes. 2. Contractor is to notify architect immediately of conditions or items varying from depicted information. 3. Planworx Architecture, P.A. is not responsible for constructed variations from the information depicted. 4. Planworx Architecture, P.A. will not assume any liability for expenses associated with errors and omissions on these drawings unless offset by verified construction savings as a result of Planworx Architecture, P.A. Design. 5. Planworx Architecture, P.A. retains ownership of all of designs depicted and implied herein. 6. Planworx Architecture, P.A. is not responsible for estimating, maintaining, or regulating construction costs associated with these plans.
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PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE:	11-24-21 (99% Set)		
ISSUE DATE:	-		
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: General Notes

SHEET NUMBER: A0.02

BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2.)

Name of Project: Goat Farm – Apartment Building 1-L
Address:College Pkwy & Southpointe Blvd., Fort Meyers, FL 33919 Suite #:
Owner or Authorized Agent: Zimmer Development Company Phone: 910-294-8215 x 215
Email: spencerpeterson@zk.com Fax: 910-762-1999
Owned By: ☒ Privately ☐ City/County ☐ State
Code Enforcement Jurisdiction: ☒ City ☐ County ☐ City/County
Name of Jurisdiction: Fort Meyers, Florida

PROJECT SUMMARY:
Building Description: 4-story wood framed apartment building containing 100 units

Scope of Work: Construction of new 4-story apartment building

Code Compliance Summary:
2020 FLORIDA BUILDING CODE (7TH EDITION)
FLORIDA FIRE PREVENTION CODE 7th EDITION 2020
2017 NATIONAL ELECTRICAL CODE (NFPA 70)
2020 FLORIDA MECHANICAL CODE
2020 FLORIDA PLUMBING CODE
2020 FLORIDA ENERGY CONSERVATION CODE
2020 FLORIDA ACCESSIBILITY CODE

Alternative Means of Compliance Request:

Lead Design Professional/Project Coordinator: Marc W. Mills (Planworx Architecture, P.A.)

DESIGNER	FIRM	NAME	LICENSE	TELEPHONE
Architectural:	Planworx Architecture, P.A.	Marc W. Mills	AR91507	919-846-8100
Civil:	Ensite, Inc.	Jason E. Tomassetti	66263	239-226-0024
Electrical:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Fire Alarm:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Plumbing:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Mechanical:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Sprinkler-Standpipe:				
Structural:	Woods Engineering	Adam Sisk	86896	(910) 343-8007
Precast:	n/a			
Trusses:	by contractor			
Retaining Walls >5' High:				
Other:	n/a			

New Building: ☒ New Building ☐ Shell Building ☐ First Time Interior Completion
☐ Addition ☐ Alteration to Shell

Existing Building: ☐ Renovation ☐ Interior Completion ☐ Tenant Alteration
☐ Reconstruction ☐ Repair ☐ Alteration to Shell
☐ Change of Use Tenant Space ☐ Change of Occupancy
Note: Zoning Review May Be Required for Change of Use or Occupancy

Original Occupancy:
Proposed Occupancy:

OCCUPANCY INFORMATION

Primary Occupancies: Assembly: ☐ A-1 ☐ A-2 ☐ A-3 ☐ A -4 ☐ A-5
☐ Business ☐ Educational Factory-Industrial: ☐ F-1 ☐ F-2
High-Hazard: ☐ H-1 ☐ H-2 ☐ H-3 ☐ H-4 ☐ H-5
Institutional: ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 USE CONDITION: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ Mercantile Residential: ☐ R-1 ☒ R-2 ☐ R-3 ☐ R-4
Storage: ☐ S-1 ☐ S-2 ☐ High-piled
S-1 SPECIAL CONDITION: ☐ Repair Garage (406.8)
S-2 SPECIAL CONDITION -- Parking Garage: ☐ Open (406.5) ☐ Enclosed (406.6)
☐ Utility and Miscellaneous

Other Uses:
Accessory Uses (Indicate Percentages):
Incidental Uses:

Special Occupancies: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408
☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415
☐ 416 ☐ 417 ☐ 418 ☐ 419 ☒ 420 ☐ 421

Mixed Occupancy: ☒ No ☐ Yes Separation:
Exception:
☐ Non-Separated Mixed Occupancy (508.3)
☐ Separated Mixed Occupancy (508.4)

Actual Area of Occupancy A / *Allowable Area of Occupancy A* + *Actual Area of Occupancy B* / *Allowable Area of Occupancy B* ... ≤ 1

ALLOWABLE AREA AND HEIGHT CALCULATIONS
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETIONS

FIRE AREA 1

EXTERIOR WALL	ACTUAL LENGTH		OPEN LENGTH	WIDTH OF PUBLIC WAY OR OPEN SPACE	
North	148'-10"		148'-10"	30'	
South	148'-10"		130'-7"	30'	
East	192'-10"		112'-0"	30'	
West	192'-10"		192'-10"	30'	
Total	**590'-4"**	**P**	**683'-3"**	**F**	**30'**	**W**

INCREASE FRONTAGE 61 %
SPRINKLERS N/A%

FIRE AREA 2

EXTERIOR WALL	ACTUAL LENGTH		OPEN LENGTH	WIDTH OF PUBLIC WAY OR OPEN SPACE	
North	169'-6"		157'-2	30'	
South	169'-6"		169'-6"	30'	
East	80'-10"		80'-10"	30'	
West	184'		0'	30'	
Total	**500'-4"**	**P**	**407'-6"**	**F**	**30'**	**W**

INCREASE FRONTAGE 56 %
SPRINKLERS N/A%

FRONTAGE INCREASE FORMULA ALOWABLE AREA FORMULA
$I_F = 100*(F - 0.25) W / P$ $I_F = 100*((X/3)-0.25)*30/30$ $I_F = 100*(x-0.25)*1$ $I_F = x$

BOTH BUILDING AND TENANT MUST BE INDICATED ON CHART BELOW

FIRE AREA	STORY NO.	OCCUPANCY	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 507 AREA	(C) % OPEN SPACE INCREASE	(D) % SPRINKLER INCREASE[1]	(E) ALLOWABLE FLOOR AREA OR UNLIMITED	RATIO OF ACTUAL ALLOWABLE	(F) MAXIMUM BUILDING AREA[2]	SEPARATION RATING REQUIRED
1	1	R-2	19,232	12,000	61%	N/A	19,320	0.99	77,280	2-HR
	2	R-2	19,232					0.99		
	3	R-2	19,232					0.99		
	4	R-2	19,232					0.99		
2	1	R-2	12,205	12,000	56%	N/A	18,720	0.65	74,880	2-HR
	2	R-2	12,205					0.65		
	3	R-2	12,205					0.65		
	4	R-2	12,205					0.65		

[1] Open space area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (P)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. Width of public way/30 ft (width of public way = (W)
e. Percent of frontage increase $I_F = 100 [F/P - 0.25] x\ W/30 =$
[2] The sprinkler increase per Section 506.3 is as follows:
a. Multistory building I_S = 200 percent
b. Single story building I_S = 300 percent
[3] Unlimited area applicable under conditions of Sections Group B, F, M, S, A-4 (507.1, 507.2, 507.3, 507.4, 507.7).

Fire Area A Frontage Increase Calculation:

=100*[(590'-3"/683'-4")-.25]*(30/30)		=100*(.86-.25)	61%

Fire Area B Frontage Increase Calculation:

=100*[(407'-6"/500'-4")-.25]*(30/30)		=100*(.81-.25)	56%

Group A motion picture (507.11); Malls (507.12); and H-2 aircraft paint hangers (507.9).
[4] Maximum Building Area = total number of stories in the building x E but not greater than 3 x E.
[5] The maximum area of parking garages must comply with 406.3.1. The maximum area of air traffic control towers must comply with 412.3.1.

ALLOWABLE HEIGHT

MOST RESTRICTIVE USE (GROUP)	ALLOWABLE HEIGHT (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type V-A		Type V-A	Table 601
Building Height in Feet	H = 60 ft	H = 20 ft = **80** ft	H = 49'-7"	Table 503
Building Height in Stories	S = 3	S + 1 = 4	S = 4	Table 503

BUILDING DATA
THIS SECTION REQUIRED FOR ALL PROJECTS

Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B
☐ IV-HT ☒ V-A ☐ V-B
Mixed construction: ☒ No ☐ Yes Types
Sprinklers: ☐ No ☒ Yes ☐ NFPA 13 ☒ NFPA 13R
☐ Partially Sprinklered ☐ Special Suppression

Note: Dry Stem sidewall sprinklers to be installed at patio/balcony areas (typical all locations).

Standpipes: ☐ No ☒ Yes Class: ☒ I ☐ II ☐ III ☐ Wet ☒ Dry
Fire District: ☒ No ☐ Yes (Appendix D) ☐ Flood Hazard
Building Height: 47.58 Feet 4 Story
Basement: ☒ No ☐ Yes
Mezzanine: ☒ No ☐ Yes
High Rise: ☒ No ☐ Yes Life Safety Plan Sheet # (if provided): A0.11-A0.14

Gross Building Area:

FLOOR	FIRE AREA 1 (SQ.FT)	FIRE AREA 2 (SQ.FT)	FIRE AREA 3 (SQ.FT)
6th Floor	-	-	-
5th Floor	-	-	-
4th Floor	19,232	12,205	-
3rd Floor	19,232	12,205	-
2nd Floor	19,232	12,205	-
Mezzanine	-	-	-
1st Floor	19,232	12,205	-
Basement	-	-	-
TOTAL	76,928	48,820	-

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	WW DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North	>30'	1	1	1/A0.22	U356		
East	>30'	1	1	1/A0.22	U356		
West	>30'	1	1	1/A0.22	U356		
South	>30'	1	1	1/A0.22	U356		
Interior		1	1	1/A0.20	U305		
Nonbearing Walls and Partitions							
Exterior walls							
North	>30'	0	0	n/a	n/a		
East	>30'	0	0	n/a	n/a		
West	>30'	0	0	n/a	n/a		
South	>30'	0	0	n/a	n/a		
Interior walls and partitions		0	0	n/a	n/a		
Floor Construction Including supporting beams and joists		1	1	1/A0.21	L521		
Roof Construction		1	1	3/A0.22	P522		
Shaft Enclosures - Exit		0	0	n/a	n/a		
Shaft Enclosures - Elevator		2 2	2 2	2/A0.23 3/A0.21	U305 AER-09385		
Corridor Separation (Breezeway)		1	1	2/A0.20	GA-WP8105		
Occupancy Separation		0	0	n/a	n/a		
Party/Fire Wall Separation		2	2	3/A0.23	U366		
Smoke Barrier Separation		0	0	n/a	n/a		
Tenant Separation (Dwelling Units)		1	1	2/A0.22	U341		
Incidental Use Separation		0	0	n/a	n/a		

Indicate section number permitting reduction
RATED JOINTS:
1. SEE SHEET A0.23 FOR UL HW-S-0090 (U300 TO L500 JOINT SYSTEM)
2. SEE SHEETS A0.24-A0.26 FOR HILTI ENGINEERING JUDGMENTS AT RATED JOINTS

PERCENTAGE OF WALL OPENING CALCULATIONS
THIS SECTION FOR ADDITIONS, NEW AND CHANGE OF USE

Allowable openings per Table 705.8
Using worst case scenario (Site Building #1):
North = 30' or greater; No Limit
South = 30' or greater; No Limit
East = 30' or greater; No Limit
West = 30' or greater; No Limit

WALL LEGENDS
THIS SECTION REQUIRED FOR ALL PROJECTS

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATE BY A **WALL LEGEND** ON ALL PLANS
☒ Fire Partitions 708 ☒ Fire Walls 706 ☒ Fire Barriers 707 ☐ Smoke Partitions 710
☐ Smoke Barriers 709 ☒ Shaft Enclosure 713

LIFE SAFETY SYSTEM REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

Emergency Lighting:	☐ No	☒ Yes
Exit Signs:	☐ No	☒ Yes
Fire Alarm:	☐ No	☒ Yes
Smoke Detection Systems:	☐ No	☒ Yes
Panic Hardware:	☐ No	☒ Yes

EXIT REQUIREMENTS
NUMBER AND ARRANGEMENT OF EXITS
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	FLOOR, ROOM AND/OR SPACE DESIGNATION	MINIMUM[2] NUMBER OF EXITS		TRAVEL DISTANCE		ARRANGEMENT MEANS OF EGRESS[3,5] (SECTION 1015.2)	
		REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1015.1)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS
1	FLOOR 1	2	2	250'-0"	96'-0"	75'-1"	188'-0"
	FLOOR 2	2	2	250'-0"	96'-0"	75'-1"	188'-0"
	FLOOR 3	2	2	250'-0"	135'-5"	75'-1"	188'-0"
	FLOOR 4	2	2	250'-0"	174'-6"	75'-1"	188'-0"
2	FLOOR 1	2	2	250'-0"	79'-10"	57'-2"	158'-3 1/2"
	FLOOR 2	2	2	250'-0"	79'-10"	57'-2"	158'-3 1/2"
	FLOOR 3	2	2	250'-0"	113'-6"	57'-2"	158'-3 1/2"
	FLOOR 4	2	2	250'-0"	148'-10"	57'-2"	158'-3 1/2"

[1] Corridor dead ends (Section 1018.4)
[2] Single exits (Section 1015.1; Section 1021.2)
[3] Common Path of Egress Travel (Section 1014.3)

OCCUPANT LOAD AND EXIT WIDTH
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	USE GROUP AND/OR SPACE	(a) AREA[1] SQ. FT.	(b) AREA[1] PER OCCUPANT	(a÷b) NUMBER OF OCCUPANTS	(c) EGRESS WIDTH PER OCCUPANT (SECTION 1005.1) (a÷b) x		EXIT WIDTH (in)[2,3,4,5]			
							REQUIRED WIDTH (SECTION 1005.1)		ACTUAL WIDTH SHOWN ON PLANS	
					STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL
1	FLOOR 1	19,232	200	97	0.3	0.2	44"	32"	N/A	34"
	FLOOR 2	19,232	200	97	0.3	0.2	44"	32"	48"	34"
	FLOOR 3	19,232	200	97	0.3	0.2	44"	32"	48"	34"
	FLOOR 4	19,232	200	97	0.3	0.2	44"	32"	48"	34"
	Total # of Occupants			**388**						
2	FLOOR 1	12,205	200	62	0.3	0.2	44"	32"	48"	34"
	FLOOR 2	12,205	200	62	0.3	0.2	44"	32"	48"	34"
	FLOOR 3	12,205	200	62	0.3	0.2	44"	32"	48"	34"
	FLOOR 4	12,205	200	62	0.3	0.2	44"	32"	48"	34"
	Total # of Occupants			**248**						

[1] See Table 1004.1.2 to determine whether net or gross area is applicable.
[2] Minimum stairway width (Section 1009.1); min. corridor width (Section 1018.2); min. door width (Section 1008.1.1)
[3] Minimum width of exit passageway (Section 1021.2)
[4] The loss of 1 means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
[5] Assembly occupancies (Section 1025)

ASSEMBLY OCCUPANCY INFORMATION
THIS SECTION FOR ASSEMBLY USE AREA(S)

Space Description	Area - SF	Occupant Load Factor	Occupant Load	Exit Width	Exit Quantity

TOTAL

PLUMBING FIXTURE REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

SEE PLUMBING SHEETS

OCCUPANCY	WATER CLOSETS		URINALS	LAVATORIES		SHOWERS/ TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE
Total Required	One per dwelling unit							
Total Provided	At least one per dwelling unit							

BUILDING DRAIN SIZE	NUMBER OF BUILDING DRAINS	TOTAL FIXTURE UNIT LOAD	WATER SERVICE SIZE	NUMBER OF WATER SERVICES	TOTAL FIXTURE UNIT LOAD	NOTES

ENERGY SUMMARY
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETION

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If energy cost budget method, state the annual energy cost budget vs allowable annual energy cost budget.

THERMAL ENVELOPE (Fort Meyers, FL - Climate Zone 1A – Lee County)

Method of Compliance:
☐ Prescriptive ☒ Performance ☐ Energy Cost Budget

Roof/ceiling Assembly (each assembly)
Description of assembly **:Pre-engineered wood roof trusses w/ TPO over 5/8" roof sheathing**
U-Value of total assembly 0.026
R-Value of insulation 38 spray foam at underside of roof sheathing
Skylights in each assembly
U-Value of skylight : N/A
Total square footage of skylights in each assembly : N/A

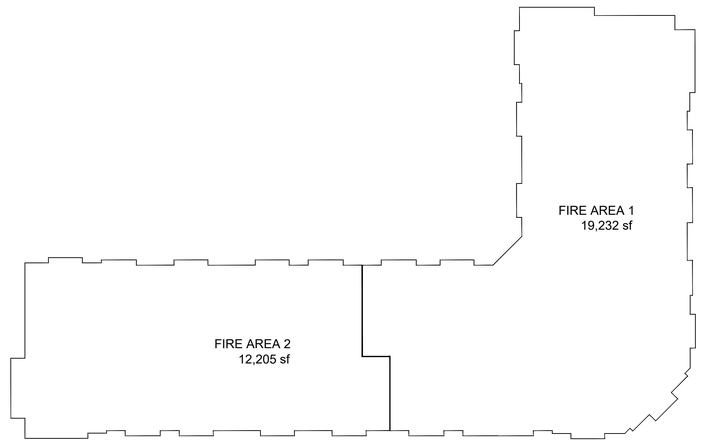
Exterior Walls (each assembly)
Description of assembly **: 2X6 WOOD STUD WALL W/ 5/8" GYPSUM BOARD, EXTERIOR SHEATHING AND CLADDING**
U-Value of total assembly: 0.05
R-Value of insulation: 20 cavity
Openings (windows or doors with glazing)
U-Factor: = 0.65
Solar Heat Gain Coefficient: 0.33
Projection factor: N/A
Low-e required, if applicable: N/A
Door R-Values: 1.10

Walls adjacent to unconditioned space (each assembly)
Description of assembly **: N/A**
U-Value of total assembly N/A
R-Value of insulation N/A
Openings (windows or doors with glazing)
U-Value of assembly N/A
Low-e required, if applicable N/A
Door R-Values N/A

Walls below grade (each assembly)
Description of assembly: **N/A**
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors slab on grade (each assembly)
Description of assembly: **4" concrete slab on vapor barrier over 4" compacted stone base on 95% compacted fill**
U-Value of total assembly: 0.1
R-Value of insulation: NR
Horizontal/Vertical requirement: N/A
Slab heated: No



BUILDING TYPE 1-L KEY PLAN
Scale: 1/32" = 1'-0"
1

1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes.
2. Contractor is to notify architect immediately of conditions or items varying from depicted information.
3. Planworx Architecture, P.A. is not responsible for constructed variations from the information depicted.
4. Planworx Architecture, P.A. will not assume any liability for expenses associated with errors and omissions on these drawings unless offset by verified construction savings as a result of Planworx Architecture, P.A. Design.
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PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida

PROGRESS DATE:	ISSUE DATE:	REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
11-24-21 (99% Set)	-				

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 1-L
Appendix B Summary

SHEET NUMBER:
A0.10-L

BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2.)

Name of Project: Goat Farm – Apartment Building 1-R
Address:College Pkwy & Southpointe Blvd., Fort Meyers, FL 33919 Suite #:
Owner or Authorized Agent: Zimmer Development Company Phone: 910-294-8215 x 215
Email: spencerpeterson@zk.com Fax: 910-762-1999
Owned By: ☒ Privately ☐ City/County ☐ State
Code Enforcement Jurisdiction: ☒ City ☐ County ☐ City/County
Name of Jurisdiction: Fort Meyers, Florida

PROJECT SUMMARY:
Building Description: 4-story wood framed apartment building containing 100 units

Scope of Work: Construction of new 4-story apartment building

Code Compliance Summary:
2020 FLORIDA BUILDING CODE (7TH EDITION)
FLORIDA FIRE PREVENTION CODE 7th EDITION 2020
2017 NATIONAL ELECTRICAL CODE (NFPA 70)
2020 FLORIDA MECHANICAL CODE
2020 FLORIDA PLUMBING CODE
2020 FLORIDA ENERGY CONSERVATION CODE
2020 FLORIDA ACCESSIBILITY CODE

Alternative Means of Compliance Request:

Lead Design Professional/Project Coordinator: Marc W. Mills (Planworx Architecture, P.A.)

DESIGNER	FIRM	NAME	LICENSE	TELEPHONE
Architectural:	Planworx Architecture, P.A.	Marc W. Mills	AR91507	919-846-8100
Civil:	Ensite, Inc.	Jason E. Tomassetti	66263	239-226-0024
Electrical:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Fire Alarm:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Plumbing:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Mechanical:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Sprinkler-Standpipe:				
Structural:	Woods Engineering	Adam Sisk	86896	(910) 343-8007
Precast:	n/a			
Trusses:	by contractor			
Retaining Walls >5' High:				
Other:	n/a			

New Building: ☒ New Building ☐ Shell Building ☐ First Time Interior Completion
☐ Addition ☐ Alteration to Shell

Existing Building: ☐ Renovation ☐ Interior Completion ☐ Tenant Alteration
☐ Reconstruction ☐ Repair ☐ Alteration to Shell
☐ Change of Use Tenant Space ☐ Change of Occupancy
Note: Zoning Review May Be Required for Change of Use or Occupancy

Original Occupancy:
Proposed Occupancy:

OCCUPANCY INFORMATION

Primary Occupancies: Assembly: ☐ A-1 ☐ A-2 ☐ A-3 ☐ A -4 ☐ A-5
☐ Business ☐ Educational Factory-Industrial: ☐ F-1 ☐ F-2
High-Hazard: ☐ H-1 ☐ H-2 ☐ H-3 ☐ H-4 ☐ H-5
Institutional: ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 USE CONDITION: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ Mercantile Residential: ☐ R-1 ☒ R-2 ☐ R-3 ☐ R-4
Storage: ☐ S-1 ☐ S-2 ☐ High-piled
S-1 SPECIAL CONDITION: ☐ Repair Garage (406.8)
S-2 SPECIAL CONDITION -- Parking Garage: ☐ Open (406.5) ☐ Enclosed (406.6)
☐ Utility and Miscellaneous

Other Uses:
Accessory Uses (Indicate Percentages):
Incidental Uses:

Special Occupancies: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☒ 420 ☐ 421

Mixed Occupancy: ☒ No ☐ Yes Separation:
Exception:
☐ Non-Separated Mixed Occupancy (508.3)
☐ Separated Mixed Occupancy (508.4)

$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \cdots \leq 1$

ALLOWABLE AREA AND HEIGHT CALCULATIONS
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETIONS

FIRE AREA 1

EXTERIOR WALL	ACTUAL LENGTH		OPEN LENGTH	WIDTH OF PUBLIC WAY OR OPEN SPACE	
North	148'-10"		148'-10"	30'	
South	148'-10"		150'-7"	30'	
East	192'-10"		112'-0"	30'	
West	192'-10"		192'-10"	VARIES	
Total	**590'-4"**	**P**	**603'-5"**	**F** **30'**	**W**

INCREASE FRONTAGE 61 %
SPRINKLERS N/A%

FIRE AREA 2

EXTERIOR WALL	ACTUAL LENGTH		OPEN LENGTH	WIDTH OF PUBLIC WAY OR OPEN SPACE	
North	169'-6"		157'-2	30'	
South	169'-6"		169'-6"	30'	
East	80'-10"		80'-10"	30'	
West	194'		0'	30'	
Total	**590'-4"**	**P**	**407'-6"**	**F** **30'**	**W**

INCREASE FRONTAGE 56 %
SPRINKLERS N/A%

FRONTAGE INCREASE FORMULA ALOWABLE AREA FORMULA

$I_f = 100*(F - 0.25)\frac{W}{P}$ $I_f = 100*((30)-0.25)*30/30$ $I_f = (100*(x-0.25)*)$ $I_f = x$

BOTH BUILDING AND TENANT MUST BE INDICATED ON CHART BELOW

FIRE AREA	STORY NO.	OCCUPANCY	(A) AREA PER BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503* AREA	(C) % INCREASE IN AREA FOR SPRINKLER INCREASE[2]	(D) INCREASE FOR SPRINKLER INCREASE[2]	(E) ALLOWABLE FLOOR AREA OR UNLIMITED[3]	RATIO OF E/A TO ALLOWABLE	(F) MINIMUM BUILDING AREA*	SEPARATION WALL RATING REQUIRED
1	1	R-2	19,232	12,000	61%	N/A	19,320	0.99	77,280	2-HR
	2	R-2	19,232					0.99		
	3	R-2	19,232					0.99		
	4	R-2	19,232					0.99		
2	1	R-2	12,205	12,000	56%	N/A	18,720	0.65	74,880	2-HR
	2	R-2	12,205					0.65		
	3	R-2	12,205					0.65		
	4	R-2	12,205					0.65		

[1] Open space area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = (W)
e. Percent of frontage increase Ie= 100 [F/P - 0.25] x W/30=
[2] The sprinkler increase per Section 506.3 is as follow s:
a. Mechinery building I_s = 200 percent
b. Single story building I_s = 300 percent
[3] Unlimited area applicable under conditions of Sections Group B, F, M, S, A-4 (507.1, 507.2, 507.3, 507.4, 507.7);

Group A motion picture (507.11); Malls (507.12); and H-2 aircraft paint hangers (507.9).
[4] Maximum Building Area = total number of stories in the building x E but not greater than 3 x E.
[5] The maximum area of parking garages must comply with 406.3.1. The maximum area of air traffic control towers must comply with 412.3.1.

ALLOWABLE HEIGHT

MOST RESTRICTIVE USE (GROUP)	ALLOWABLE HEIGHT (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type V-A		Type V-A	Table 601
Building Height in Feet	H = 60 ft	H + 20 ft = **80 ft**	H = 49'-7"	Table 503
Building Height in Stories	S = 3	S + 1 = 4	S = 4	Table 503

BUILDING DATA
THIS SECTION REQUIRED FOR ALL PROJECTS

Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV-HT ☒ V-A ☐ V-B
Mixed construction: ☒ No ☐ Yes Types
Sprinklers: ☐ No ☒ Yes ☐ NFPA 13 ☒ NFPA 13R ☐ Partially Sprinklered ☐ Special Suppression

Note: Dry Stem sidewall sprinklers to be installed at patio/balcony areas (typical all locations).

Standpipes: ☐ No ☒ Yes Class: ☒ I ☐ II ☐ III ☐ Wet ☒ Dry
Fire District: ☒ No ☐ Yes (Appendix D) ☐ Flood Hazard
Building Height: 47.58 Feet 4 Story
Basement: ☒ No ☐ Yes
Mezzanine: ☒ No ☐ Yes
High Rise: ☒ No ☐ Yes Life Safety Plan Sheet # (if provided): A0.11-A0.14

Gross Building Area:

FLOOR	FIRE AREA 1 (SQ.FT)	FIRE AREA 2 (SQ.FT)	FIRE AREA 3 (SQ.FT)
6th Floor	-	-	-
5th Floor	-	-	-
4th Floor	19,232	12,205	-
3rd Floor	19,232	12,205	-
2nd Floor	19,232	12,205	-
Mezzanine	-	-	-
1st Floor	19,232	12,205	-
Basement	-	-	-
TOTAL	76,928	48,820	-

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	w w DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North	>30'	1	1	1/A0.22	U356		
East	>30'	1	1	1/A0.22	U356		
West	>30'	1	1	1/A0.22	U356		
South	10'< x <30'	1	1	1/A0.22	U356		
Interior		1	1	1/A0.20	U305		
Nonbearing Walls and Partitions Exterior walls							
North	>30'	0	0	n/a	n/a		
East	>30'	0	0	n/a	n/a		
West	>30'	0	0	n/a	n/a		
South	>30'	0	0	n/a	n/a		
Interior walls and partitions		0	0	n/a	n/a		
Floor Construction Including supporting beams and joists		1	1	1/A0.21	L521		
Roof Construction		1	1	3/A0.22	P522		
Shaft Enclosures - Exit		0	0	n/a	n/a		
Shaft Enclosures - Elevator		2 2	2 2	2/A0.23 3/A0.21	U305 AER-09038		
Corridor Separation (Breezeway)		1	1	2/A0.20	GA-WP9105		
Occupancy Separation		0	0	n/a	n/a		
Party/Fire Wall Separation		2	2	3/A0.23	U366		
Smoke Barrier Separation		0	0	n/a	n/a		
Tenant Separation (Dwelling Units)		1	1	2/A0.22	U341		
Incidental Use Separation		0	0	n/a	n/a		

* Indicate section number permitting reduction
** **RATED JOINTS:**
1. SEE SHEET A0.23 FOR UL HW-S-0090 (U300 TO L500 JOINT SYSTEM)
2. SEE SHEETS A0.24-A0.26 FOR HILTI ENGINEERING JUDGMENTS AT RATED JOINTS

PERCENTAGE OF WALL OPENING CALCULATIONS
THIS SECTION FOR ADDITIONS, NEW AND CHANGE OF USE

Allowable openings per Table 705.8
Using worst case scenario (Site Building #1):
North = 30' or greater; No Limit
South = 30' or greater; No Limit
East = 30' or greater; No Limit
West = 20' to less than 25'; 45% allowable openings; XXXX provided

WALL LEGENDS
THIS SECTION REQUIRED FOR ALL PROJECTS

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATE BY A **WALL LEGEND** ON ALL PLANS
☒ Fire Partitions 708 ☒ Fire Walls 706 ☒ Fire Barriers 707 ☐ Smoke Partitions 710
☐ Smoke Barriers 709 ☒ Shaft Enclosure 713

LIFE SAFETY SYSTEM REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☐ No ☒ Yes
Smoke Detection Systems: ☐ No ☒ Yes
Panic Hardware: ☐ No ☒ Yes

EXIT REQUIREMENTS
NUMBER AND ARRANGEMENT OF EXITS
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	FLOOR, ROOM AND/OR SPACE DESIGNATION	MINIMUM[6] NUMBER OF EXITS: REQUIRED	MINIMUM[6] NUMBER OF EXITS: SHOWN ON PLANS	TRAVEL DISTANCE: ALLOWABLE TRAVEL DISTANCE (TABLE 1015.1)	TRAVEL DISTANCE: ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	ARRANGEMENT MEANS OF EGRESS[1,3] (SECTION 1015.2): REQUIRED DISTANCE BETWEEN EXIT DOORS	ARRANGEMENT MEANS OF EGRESS[1,3] (SECTION 1015.2): ACTUAL DISTANCE SHOWN ON PLANS
1	FLOOR 1	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 2	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 3	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 4	2	2	250'-0"	X'-X"	X'-X"	X'-X"
2	FLOOR 1	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 2	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 3	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 4	2	2	250'-0"	X'-X"	X'-X"	X'-X"

[1] Corridor dead-ends (Section 1018.4)
[3] Sing le exits (Section 1015.1; Section 1021.2)
[7] Common Path of Egress Travel (Section 1014.3)

OCCUPANT LOAD AND EXIT WIDTH
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	USE GROUP AND/OR SPACE	(a) AREA[1] SQ. FT.	(b) AREA[1] PER OCCUPANT	(a÷b) NUMBER OF OCCUPANTS	(c) EGRESS WIDTH PER OCCUPANT (SECTION) STAIR	(c) EGRESS WIDTH PER OCCUPANT (SECTION) LEVEL	EXIT WIDTH (in)[2,3,4,5] REQUIRED WIDTH (SECTION 1005.1) (a÷b) x c STAIR	EXIT WIDTH (in)[2,3,4,5] REQUIRED WIDTH (SECTION 1005.1) (a÷b) x c LEVEL	EXIT WIDTH (in)[2,3,4,5] ACTUAL WIDTH SHOWN ON PLANS STAIR	EXIT WIDTH (in)[2,3,4,5] ACTUAL WIDTH SHOWN ON PLANS LEVEL
1	FLOOR 1	15,396	200	77	0.3	0.2	44"	32"	N/A	34"
	FLOOR 2	15,396	200	77	0.3	0.2	44"	32"	48"	34"
	FLOOR 3	15,396	200	77	0.3	0.2	44"	32"	48"	34"
	FLOOR 4	15,396	200	77	0.3	0.2	44"	32"	48"	34"
	Total # of Occupants			**308**						
2	FLOOR 1	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	FLOOR 2	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	FLOOR 3	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	FLOOR 4	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	Total # of Occupants			**336**						

[1] See Table 1004.1.2 to determine whether net or gross area is applicable.
[2] Minimum stairway width (Section 1009.1); m in. corridor width (Section 1018.2); m in. door width (Section 1008.1.1)
[3] Minimum width of exit passageway (Section 1021.2)
[4] The loss of 1 means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
[5] Assembly occupancies (Section 1025)

ASSEMBLY OCCUPANCY INFORMATION
THIS SECTION FOR ASSEMBLY USE AREA(S)

Space Description	Area - SF	Occupant Load Factor	Occupant Load	Exit Width	Exit Quantity
TOTAL					

PLUMBING FIXTURE REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS
SEE PLUMBING SHEETS

OCCUPANCY	WATERCLOSETS MALE	WATERCLOSETS FEMALE	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
Total Required	One per dwelling unit							
Total Provided	At least one per dwelling unit							

BUILDING DRAIN SIZE	NUMBER OF BUILDING DRAINS	TOTAL FIXTURE UNIT LOAD	WATER SERVICE SIZE	NUMBER OF WATER SERVICES	TOTAL FIXTURE UNIT LOAD	NOTES

ENERGY SUMMARY
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETION

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If energy cost budget method, state the annual energy cost budget vs allowable annual energy cost budget.

THERMAL ENVELOPE (Fort Meyers, FL - Climate Zone 1A – Lee County)

Method of Compliance:
☐ Prescriptive ☒ Performance ☐ Energy Cost Budget

Roof/ceiling Assembly (each assembly)
Description of assembly **:Pre-engineered wood roof trusses w/ TPO over 5/8" roof sheathing**
U-Value of total assembly 0.026
R-Value of insulation 38 spray foam at underside of roof sheathing
Skylights in each assembly
U-Value of skylight : N/A
Total square footage of skylights in each assembly : N/A

Exterior Walls (each assembly)
Description of assembly **: 2X6 WOOD STUD WALL W/ 5/8" GYPSUM BOARD, EXTERIOR SHEATHING AND CLADDING**
U-Value of total assembly: 0.05
R-Value of insulation: 20 cavity
Openings (windows or doors with glazing)
U-Factor: = 0.65
Solar Heat Gain Coefficient: 0.33
Projection factor: N/A
Low-e required, if applicable: N/A
Door R-Values: 1.10

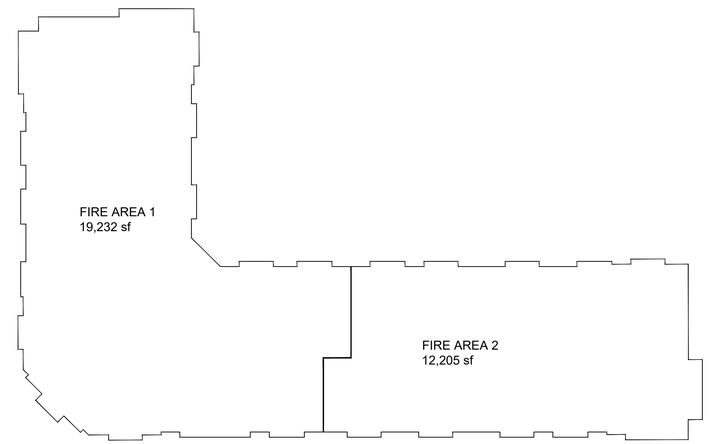
Walls adjacent to unconditioned space (each assembly)
Description of assembly **: N/A**
U-Value of total assembly N/A
R-Value of insulation N/A
Openings (windows or doors with glazing)
U-Value of assembly N/A
Low-e required, if applicable N/A
Door R-Values N/A

Walls below grade (each assembly)
Description of assembly: **N/A**
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors slab on grade (each assembly)
Description of assembly: **4" concrete slab on vapor barrier over 4" compacted stone base on 95% compacted fill**
U-Value of total assembly: 0.1
R-Value of insulation: NR
Horizontal/Vertical requirement: N/A
Slab heated: No

Total Perimeter of the Fire Area	P	683.33	
		F_1	F_2 pool house / F_3 club house
Length of a portion of the exterior Perimeter Wall with W > 20[1]	L_n	500.75	5.333 / 86.2
Width of a public way or open space associated with that portion of the exterior perimeter wall	W_n	30	25.333 / 27
(W) Width Weighted Average = ((L1*w1) + (L2*w2) + (L3*w3))/30	W	582.8334	
	W/P	0.852931	
IF = 100(W/p -.25)	IF	60.2931	
Tabular Allowable area		12,000	
Allowed area with frontage increase = tabular allowable area * (100 + IF)/100		19235.17	19232 SF actual fire area 1 size



BUILDING TYPE 1-R KEY PLAN
Scale: 1/32" = 1'-0"
1

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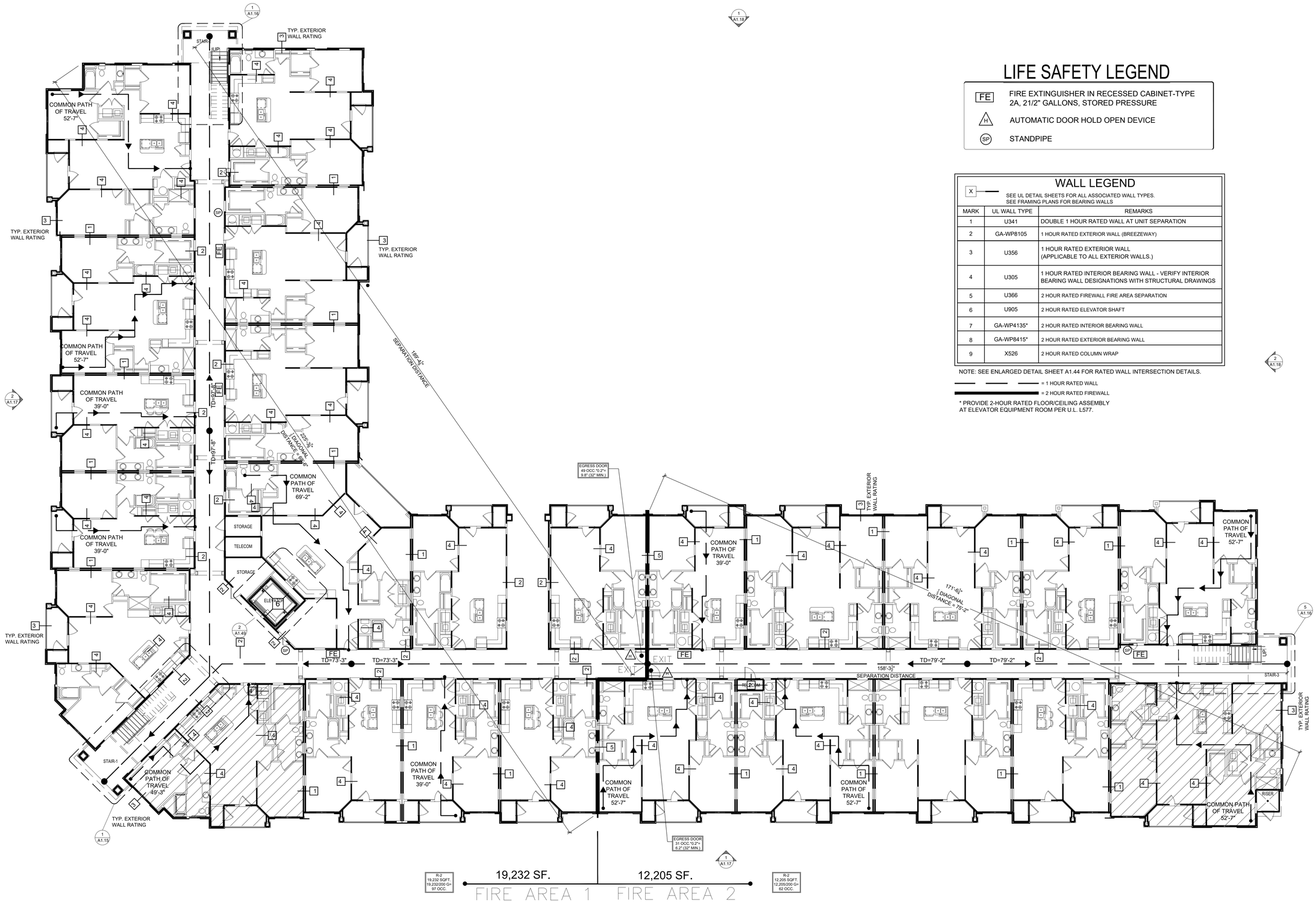
Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida

PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -
REVISIONS NUMBER | DATE | INITIALS | DESCRIPTION
- | | | -

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 1-R
Appendix B Summary

SHEET NUMBER:
A0.10-R



LIFE SAFETY LEGEND

FE	FIRE EXTINGUISHER IN RECESSED CABINET-TYPE 2A, 21/2" GALLONS, STORED PRESSURE
H	AUTOMATIC DOOR HOLD OPEN DEVICE
SP	STANDPIPE

WALL LEGEND

X — SEE UL DETAIL SHEETS FOR ALL ASSOCIATED WALL TYPES.
SEE FRAMING PLANS FOR BEARING WALLS

MARK	UL WALL TYPE	REMARKS
1	U341	DOUBLE 1 HOUR RATED WALL AT UNIT SEPARATION
2	GA-WP8105	1 HOUR RATED EXTERIOR WALL (BREEZEWAY)
3	U356	1 HOUR RATED EXTERIOR WALL (APPLICABLE TO ALL EXTERIOR WALLS.)
4	U305	1 HOUR RATED INTERIOR BEARING WALL - VERIFY INTERIOR BEARING WALL DESIGNATIONS WITH STRUCTURAL DRAWINGS
5	U366	2 HOUR RATED FIREWALL FIRE AREA SEPARATION
6	U905	2 HOUR RATED ELEVATOR SHAFT
7	GA-WP4135*	2 HOUR RATED INTERIOR BEARING WALL
8	GA-WP8415*	2 HOUR RATED EXTERIOR BEARING WALL
9	X526	2 HOUR RATED COLUMN WRAP

NOTE: SEE ENLARGED DETAIL SHEET A1.44 FOR RATED WALL INTERSECTION DETAILS.

= 1 HOUR RATED WALL
= 2 HOUR RATED FIREWALL

* PROVIDE 2-HOUR RATED FLOOR/CEILING ASSEMBLY AT ELEVATOR EQUIPMENT ROOM PER U.L. L577.

BUILDING TYPE 1 - FIRST FLOOR LIFE SAFETY PLAN — 1
Scale: 3/32" = 1'-0"

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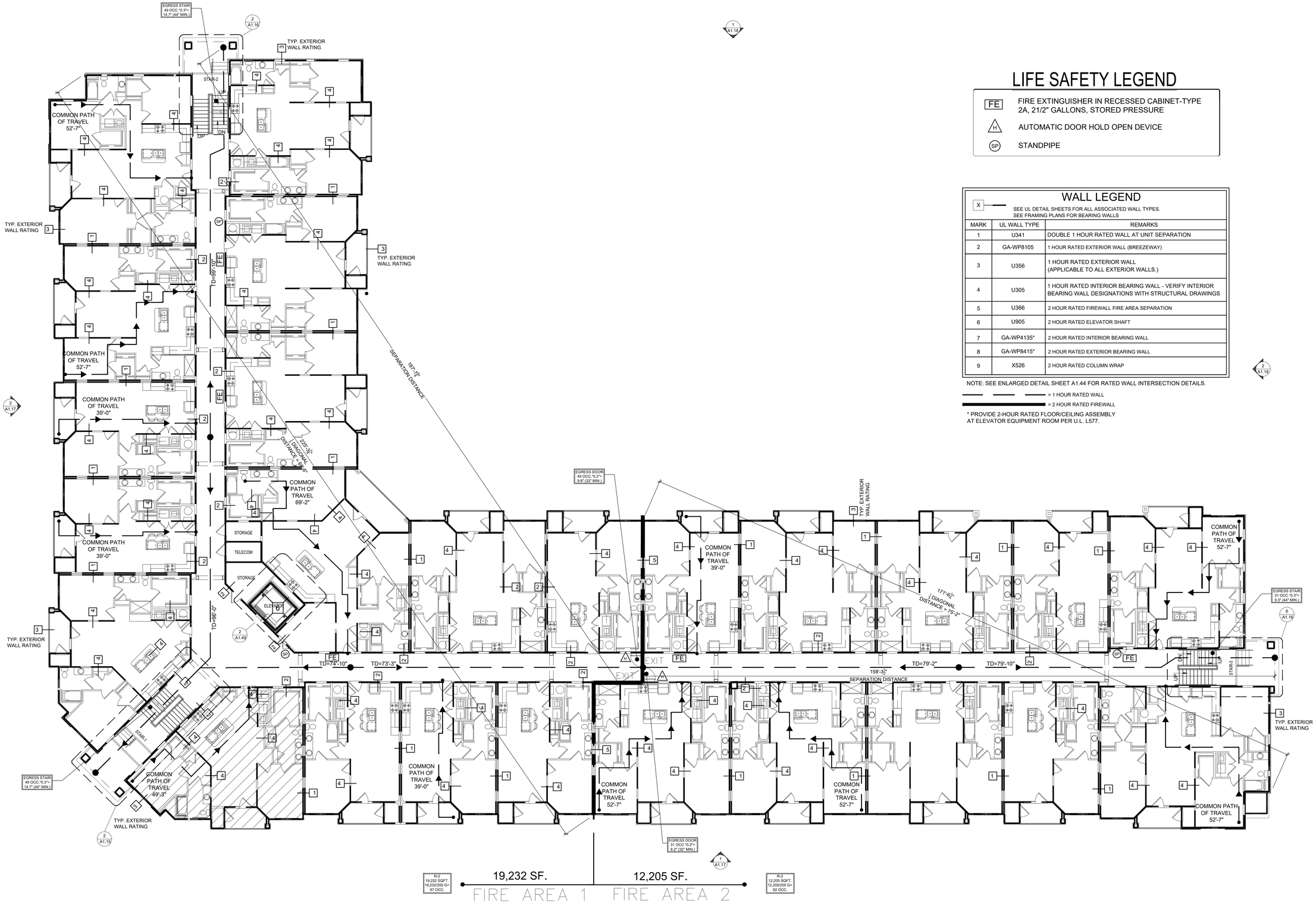
PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE:

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
-			

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Building Type 1 Life Safety Plan
SHEET NUMBER: A0.10-1



LIFE SAFETY LEGEND

FE	FIRE EXTINGUISHER IN RECESSED CABINET-TYPE 2A, 21/2" GALLONS, STORED PRESSURE
H	AUTOMATIC DOOR HOLD OPEN DEVICE
SP	STANDPIPE

WALL LEGEND

X — SEE UL DETAIL SHEETS FOR ALL ASSOCIATED WALL TYPES.
SEE FRAMING PLANS FOR BEARING WALLS

MARK	UL WALL TYPE	REMARKS
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9	X526	2 HOUR RATED COLUMN WRAP

NOTE: SEE ENLARGED DETAIL SHEET A1.44 FOR RATED WALL INTERSECTION DETAILS.

= 1 HOUR RATED WALL

= 2 HOUR RATED FIREWALL

* PROVIDE 2-HOUR RATED FLOOR/CEILING ASSEMBLY AT ELEVATOR EQUIPMENT ROOM PER U.L. L577.

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PROGRESS DATE:	-			
ISSUE DATE:	-			
REVISIONS	NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 1
Life Safety Plan

SHEET NUMBER:
A0.10-2

BUILDING TYPE 1 - SECOND FLOOR LIFE SAFETY PLAN
Scale: 3/32" = 1'-0"

1

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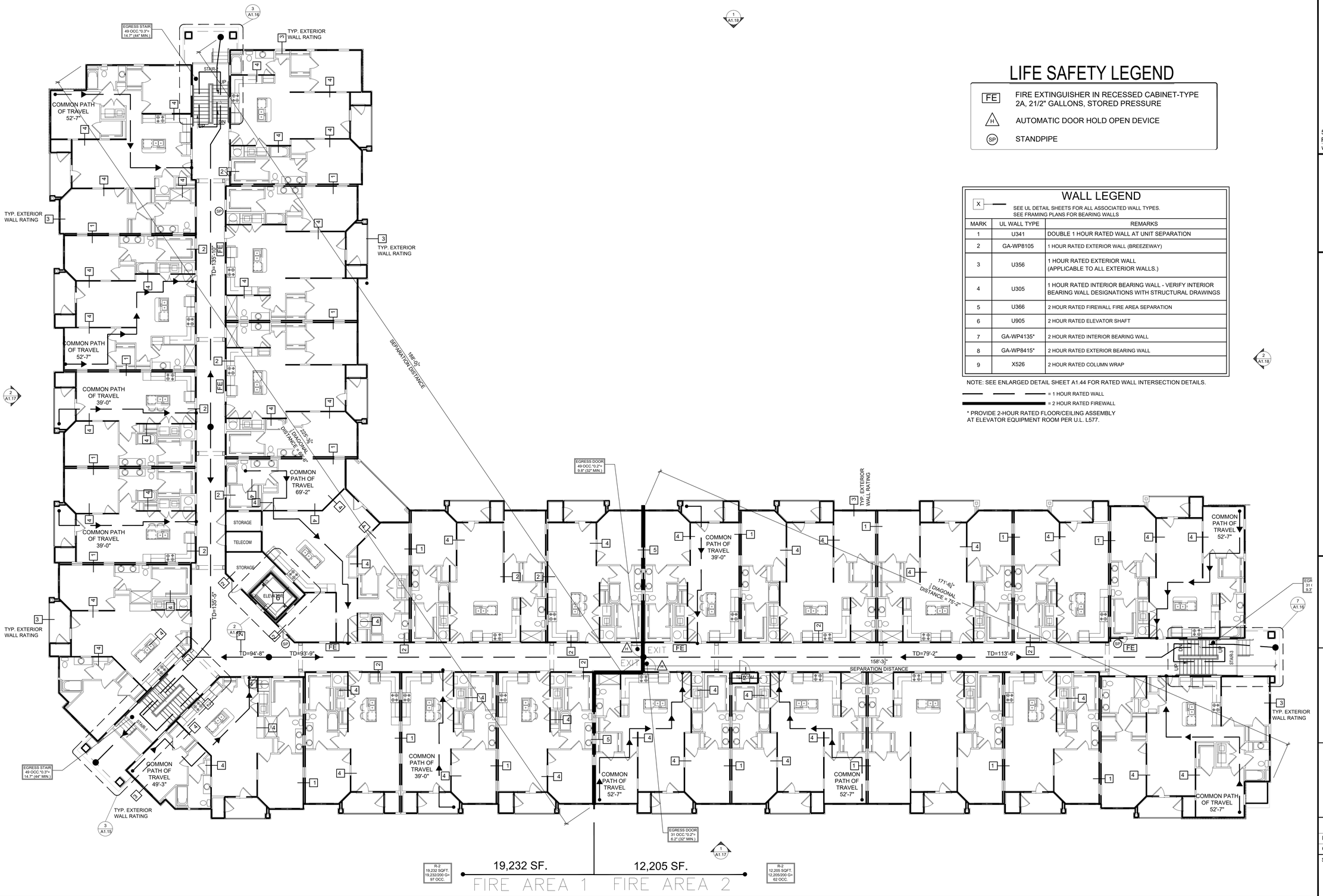

LIFE SAFETY LEGEND

FE	FIRE EXTINGUISHER IN RECESSED CABINET-TYPE 2A, 21/2" GALLONS, STORED PRESSURE
H	AUTOMATIC DOOR HOLD OPEN DEVICE
SP	STANDPIPE

WALL LEGEND

X — SEE UL DETAIL SHEETS FOR ALL ASSOCIATED WALL TYPES.
SEE FRAMING PLANS FOR BEARING WALLS

MARK	UL WALL TYPE	REMARKS
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9	X526	2 HOUR RATED COLUMN WRAP

NOTE: SEE ENLARGED DETAIL SHEET A1.44 FOR RATED WALL INTERSECTION DETAILS.

— — — = 1 HOUR RATED WALL

▬▬ = 2 HOUR RATED FIREWALL

* PROVIDE 2-HOUR RATED FLOOR/CEILING ASSEMBLY AT ELEVATOR EQUIPMENT ROOM PER U.L. L577.

BUILDING TYPE 1 - THIRD FLOOR LIFE SAFETY PLAN

Scale: 3/32" = 1'-0"

1

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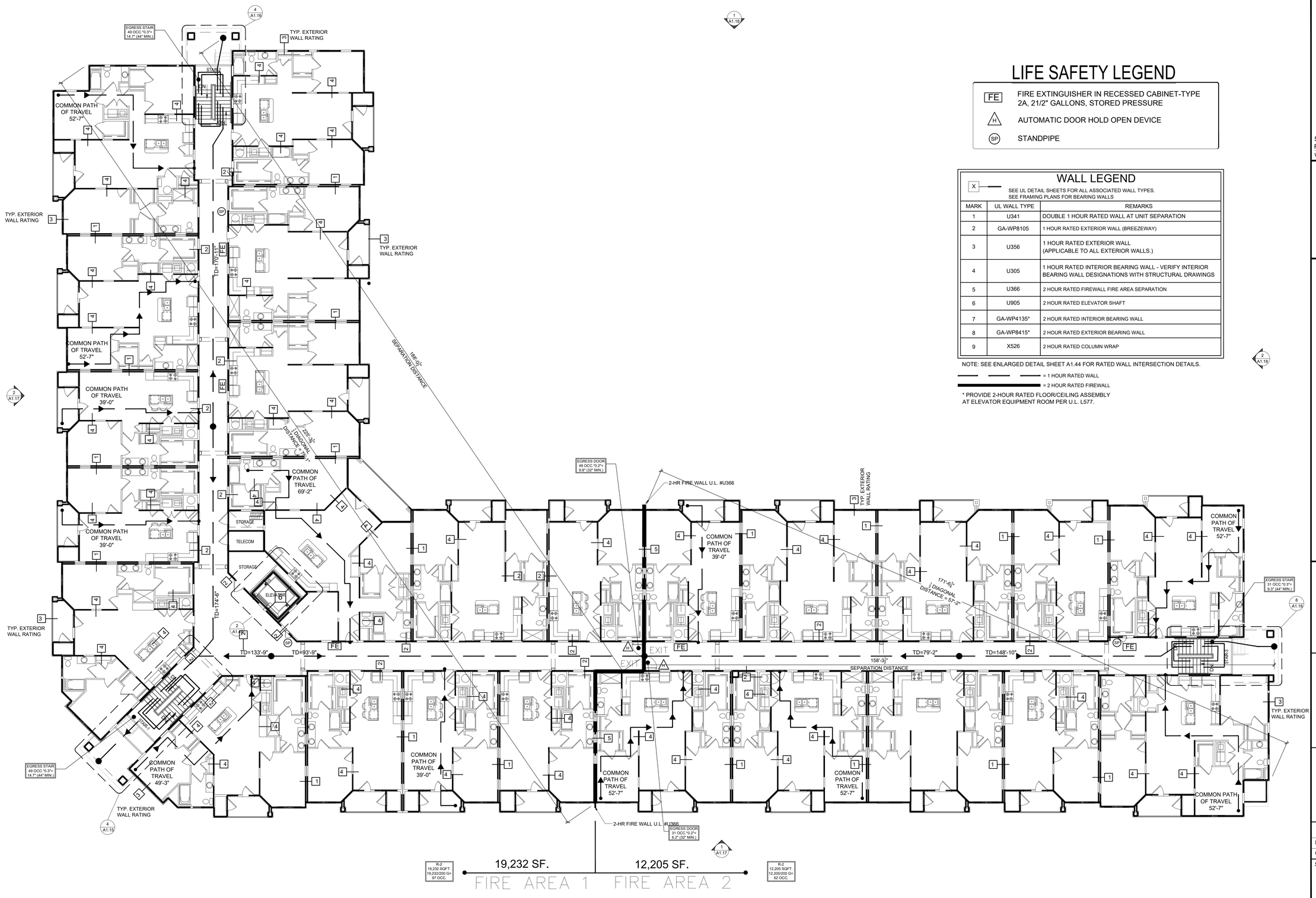
PROGRESS DATE:	ISSUE DATE:	REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
11-24-21 (99% Set)	-				

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 1
Life Safety Plan

SHEET NUMBER:
A0.10-3



LIFE SAFETY LEGEND

FE	FIRE EXTINGUISHER IN RECESSED CABINET-TYPE 2A, 21/2" GALLONS, STORED PRESSURE
H	AUTOMATIC DOOR HOLD OPEN DEVICE
SP	STANDPIPE

WALL LEGEND

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SEE FRAMING PLANS FOR BEARING WALLS

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NOTE: SEE ENLARGED DETAIL SHEET A1.44 FOR RATED WALL INTERSECTION DETAILS.

— — — = 1 HOUR RATED WALL

▬▬ = 2 HOUR RATED FIREWALL

* PROVIDE 2-HOUR RATED FLOOR/CEILING ASSEMBLY AT ELEVATOR EQUIPMENT ROOM PER U.L. L577.

BUILDING TYPE 1 - FOURTH FLOOR LIFE SAFETY PLAN

Scale: 3/32" = 1'-0"

1

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REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION

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SHEET TITLE:
Building Type 1
Life Safety Plan

SHEET NUMBER:
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BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2.)

Name of Project: Goat Farm – Apartment Building 2
Address:College Pkwy & Southpointe Blvd., Fort Meyers, FL 33919 Suite #:_____
Owner or Authorized Agent: Zimmer Development Company Phone: 910-294-8215 x 215
Email: spencerpeterson@zdc.com Fax: 910-762-1999
Owned By: ☒ Privately ☐ City/County ☐ State
Code Enforcement Jurisdiction: ☒ City ☐ County ☐ City/County
Name of Jurisdiction: Fort Meyers, Florida

PROJECT SUMMARY:
Building Description: 4-story wood framed apartment building containing 96 units

Scope of Work: Construction of new 4-story apartment building

Code Compliance Summary:
2020 FLORIDA BUILDING CODE (7TH EDITION)
FLORIDA FIRE PREVENTION CODE 7TH EDITION 2020
2017 NATIONAL ELECTRICAL CODE (NFPA 70)
2020 FLORIDA MECHANICAL CODE
2020 FLORIDA PLUMBING CODE
2020 FLORIDA ENERGY CONSERVATION CODE
2020 FLORIDA ACCESSIBILITY CODE

Alternative Means of Compliance Request:

Lead Design Professional/Project Coordinator: Marc W. Mills (Planworx Architecture, P.A.)

DESIGNER	FIRM	NAME	LICENSE	TELEPHONE
Architectural:	Planworx Architecture, P.A.	Marc W. Mills	AR91507	919-846-8100
Civil:	Ensite, Inc.	Jason E. Tomassetti	66263	239-226-0024
Electrical:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Fire Alarm:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Plumbing:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Mechanical:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Sprinkler-Standpipe:				
Structural:	Woods Engineering	Adam Sisk	86896	(910) 343-8007
Precast:	n/a			
Trusses:	by contractor			
Retaining Walls >5' High:				
Other:	n/a			

New Building: ☒ New Building ☐ Shell Building ☐ First Time Interior Completion
☐ Addition ☐ Alteration to Shell

Existing Building: ☐ Renovation ☐ Interior Completion ☐ Tenant Alteration
☐ Reconstruction ☐ Repair ☐ Alteration to Shell
☐ Change of Use Tenant Space ☐ Change of Occupancy
Note: Zoning Review May Be Required for Change of Use or Occupancy

Original Occupancy: _____
Proposed Occupancy: _____

OCCUPANCY INFORMATION

Primary Occupancies: Assembly: ☐ A-1 ☐ A-2 ☐ A-3 ☐ A -4 ☐ A-5
☐ Business ☐ Educational Factory-Industrial: ☐ F-1 ☐ F-2
High-Hazard: ☐ H-1 ☐ H-2 ☐ H-3 ☐ H-4 ☐ H-5
Institutional: ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 USE CONDITION: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ Mercantile Residential: ☐ R-1 ☒ R-2 ☐ R-3 ☐ R-4
Storage: ☐ S-1 ☐ S-2 ☐ High-piled
S-1 SPECIAL CONDITION: ☐ Repair Garage (406.8)
S-2 SPECIAL CONDITION -- Parking Garage: ☐ Open (406.5) ☐ Enclosed (406.6)
☐ Utility and Miscellaneous

Other Uses:
Accessory Uses (Indicate Percentages): _____
Incidental Uses: _____

Special Occupancies: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☒ 420 ☐ 421

Mixed Occupancy: ☒ No ☐ Yes Separation: _____
Exception: _____
☐ Non-Separated Mixed Occupancy (508.3)
☐ Separated Mixed Occupancy (508.4)

$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$

ALLOWABLE AREA AND HEIGHT CALCULATIONS
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETIONS

EXTERIOR WALL	ACTUAL LENGTH		OPEN LENGTH		WIDTH OF PUBLIC WAY OR OPEN SPACE	
North	259'		259'		30'	
South	259'		259'		30'	
East	155'		155'		30'	
West	155'		155'		30'	
Total	**828'**	**P**	**828'**	**F**	**30'**	**W**

INCREASE FRONTAGE 75 %
SPRINKLERS N/A%

FRONTAGE INCREASE FORMULA ALOWABLE AREA FORMULA

$I_F = 100*(\frac{F}{P} - 0.25)\frac{W}{30}$ $I_F = 100*(X/X)-0.25)*30/30$ $I_F = 100*(x-0.25)*1$ $I_F = x$

BOTH BUILDING AND TENANT MUST BE INDICATED ON CHART BELOW

FIRE AREA	(A) STORY NO.	(B) OCCUPANCY	(C) BLDG AREA PER STORY (ACTUAL)	(D) TABLE 503[1] AREA	(E) % OPEN SPACE INCREASE	(F) % SPRINKLER INCREASE[2]	(G) ALLOWABLE FLOOR AREA OR UNLIMITED[3]	RATIO OF ACTUAL TO ALLOWABLE	(F) MAXIMUM BUILDING AREA[4]	SEPARATION RATING REQUIRED
1	**1**	R-2	14,786	12,000	75%	N/A	21,000	0.704	84,000	N/A
	2	R-2	14,786					0.704		
	3	R-2	14,786					0.704		
	4	R-2	14,786					0.704		
2	1	R-2	17,037	12,000	75%	N/A	21,000	0.811	84,000	N/A
	2	R-2	17,037					0.811		
	3	R-2	17,037					0.811		
	4	R-2	17,037					0.811		

[1] Open space area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = (W)
e. Percent of frontage increase $I_F = 100 [F/P - 0.25] \times W/30$ =
[2] The sprinkler increase per Section. 506.3 is as follows:
a. Multistory building I_s = 200 percent
b. Single story building I_s = 300 percent
[3] Unlimited area applicable under conditions of Sections Group B, F, M, S, A-4 (507.1, 507.2, 507.3, 507.4, 507.7);
Group A motion picture (507.11); Malls (507.12); and H-2 aircraft paint hangers (507.9).
[4] Maximum Building Area = total number of stories in the building x E but not greater than 3 x E.
[5] The maximum area of parking garages must comply with 406.3.1. The maximum area of air traffic control towers must comply with 412.3.1.

ALLOWABLE HEIGHT

MOST RESTRICTIVE USE (GROUP)	ALLOWABLE HEIGHT (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type V-A		Type V-A	Table 601
Building Height in Feet	H = 60 ft	H + 20 ft = **80** ft	H = 49'-7"	Table 503
Building Height in Stories	S = 3	S + 1 = 4	S = 4	Table 503

BUILDING DATA
THIS SECTION REQUIRED FOR ALL PROJECTS

Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV-HT ☒ V-A ☐ V-B
Mixed construction: ☒ No ☐ Yes Types _____
Sprinklers: ☐ No ☒ Yes ☐ NFPA 13 ☒ NFPA 13R ☐ Partially Sprinklered ☐ Special Suppression

Note: Dry Stem sidewall sprinklers to be installed at patio/balcony areas (typical all locations).

Standpipes: ☐ No ☒ Yes Class: ☒ I ☐ II ☐ III ☐ Wet ☒ Dry
Fire District: ☒ No ☐ Yes (Appendix D) ☐ Flood Hazard
Building Height: 47.58 Feet 4 Story
Basement: ☒ No ☐ Yes
Mezzanine: ☒ No ☐ Yes
High Rise: ☒ No ☐ Yes Life Safety Plan Sheet # (if provided): A0.11-A0.14

Gross Building Area:

FLOOR	FIRE AREA 1 (SQ FT)	FIRE AREA 2 (SQ FT)	FIRE AREA 3 (SQ FT)
6th Floor	-	-	-
5th Floor	-	-	-
4th Floor	14,786	17,037	-
3rd Floor	14,786	17,037	-
2nd Floor	14,786	17,037	-
Mezzanine	-	-	-
1st Floor	14,786	17,037	-
Basement	-	-	-
TOTAL	59,144	68,148	-

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/_____" REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	** DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North	>30'	1	1	1/A0.22	U356		
East	>30'	1	1	1/A0.22	U356		
West	>30'	1	1	1/A0.22	U356		
South	10'≤ x <30'	1	1	1/A0.22	U356		
Interior		1	1	1/A0.20	U305		
Nonbearing Walls and Partitions							
Exterior walls							
North	>30'	0	0	n/a	n/a		
East	>30'	0	0	n/a	n/a		
West	>30'	0	0	n/a	n/a		
South	>30'	0	0	n/a	n/a		
Interior walls and partitions		0	0	n/a	n/a		
Floor Construction Including supporting beams and joists		1	1	1/A0.21	L521		
Roof Construction		1	1	3/A0.22	P522		
Shaft Enclosures - Exit		0	0	n/a	n/a		
Shaft Enclosures - Elevator		2 2	2 2	2/A0.23 3/A0.21	U905 A2E-09038		
Corridor Separation (Breezeway)		1	1	2/A0.20	GA-WP6105		
Occupancy Separation		0	0	n/a	n/a		
Party/Fire Wall Separation		2	2	3/A0.23	U366		
Smoke Barrier Separation		0	0	n/a	n/a		
Tenant Separation (Dwelling Units)		1	1	2/A0.22	U341		
Incidental Use Separation		0	0	n/a	n/a		

* Indicate section number permitting reduction
** **RATED JOINTS:**
1. SEE SHEET A0.23 FOR UL HW-S-0090 (U300 TO L500 JOINT SYSTEM)
2. SEE SHEETS A0.24-A0.26 FOR HILTI ENGINEERING JUDGMENTS AT RATED JOINTS

PERCENTAGE OF WALL OPENING CALCULATIONS
THIS SECTION FOR ADDITIONS, NEW AND CHANGE OF USE

Allowable openings per Table 705.8
Using worst case scenario (Site Building #1):
North = 30' or greater; No Limit
South = 30' or greater; No Limit
East = 30' or greater; No Limit
West = 30' or greater; No Limit

WALL LEGENDS
THIS SECTION REQUIRED FOR ALL PROJECTS

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATE BY A **WALL LEGEND** ON ALL PLANS
☒ Fire Partitions 708 ☒ Fire Walls 706 ☒ Fire Barriers 707 ☐ Smoke Partitions 710
☐ Smoke Barriers 709 ☒ Shaft Enclosure 713

LIFE SAFETY SYSTEM REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☐ No ☒ Yes
Smoke Detection Systems: ☐ No ☒ Yes
Panic Hardware: ☐ No ☒ Yes

EXIT REQUIREMENTS
NUMBER AND ARRANGEMENT OF EXITS
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	FLOOR, ROOM AND/OR SPACE DESIGNATION	MINIMUM[1] NUMBER OF EXITS: REQUIRED	MINIMUM[1] NUMBER OF EXITS: SHOWN ON PLANS	TRAVEL DISTANCE: ALLOWABLE TRAVEL DISTANCE (TABLE 1015.1)	TRAVEL DISTANCE: ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	ARRANGEMENT MEANS OF EGRESS[1,2] (SECTION 1015.2): REQUIRED DISTANCE BETWEEN EXIT DOORS	ARRANGEMENT MEANS OF EGRESS[1,2] (SECTION 1015.2): ACTUAL DISTANCE SHOWN ON PLANS
1	FLOOR 1	2	2	250'-0"	79'-8"	61'-8"	142'-4"
	FLOOR 2	2	2	250'-0"	83'-2"	61'-8"	142'-4"
	FLOOR 3	2	2	250'-0"	118'-0"	61'-8"	142'-4"
	FLOOR 4	2	2	250'-0"	151'-6"	61'-8"	142'-4"
2	FLOOR 1	2	2	250'-0"	79'-8"	68'-8"	157'-2"
	FLOOR 2	2	2	250'-0"	83'-2"	68'-8"	157'-2"
	FLOOR 3	2	2	250'-0"	118'-0"	68'-8"	157'-2"
	FLOOR 4	2	2	250'-0"	151'-0"	68'-8"	157'-2"

[1] Exterior dead ends (Section 1018.4); corridor dead ends (Section 1020.5); and single exits (Section 1006.2.1) are not permitted.

OCCUPANT LOAD AND EXIT WIDTH
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	USE GROUP AND/OR SPACE	(a) AREA[1] SQ. FT.	(b) AREA[1] PER OCCU-PANT	(a÷b) NUMBER OF OCCU-PANTS	(c) EGRESS WIDTH PER OCCUPANT (SECTION 1005.1)		EXIT WIDTH (in)[2,3,4,5]: REQUIRED WIDTH (SECTION 1005.1) (a÷b)x(c)		ACTUAL WIDTH SHOWN ON PLANS	
					STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL
1	FLOOR 1	14,786	200	74	0.3	0.2	44"	32"	N/A	34"
	FLOOR 2	14,786	200	74	0.3	0.2	44"	32"	48"	34"
	FLOOR 3	14,786	200	74	0.3	0.2	44"	32"	48"	34"
	FLOOR 4	14,786	200	74	0.3	0.2	44"	32"	48"	34"
	Total # of Occupants			**296**						
2	FLOOR 1	17,037	200	86	0.3	0.2	44"	32"	48"	34"
	FLOOR 2	17,037	200	86	0.3	0.2	44"	32"	48"	34"
	FLOOR 3	17,037	200	86	0.3	0.2	44"	32"	48"	34"
	FLOOR 4	17,037	200	86	0.3	0.2	44"	32"	48"	34"
	Total # of Occupants			**344**						

[1] See Table 1004.1.2 to determine whether net or gross area is applicable.
[2] Minimum stairway width (Section 1009.1); min. corridor width (Section 1018.2); min. door width (Section 1008.1.1)
[3] Minimum width of exit passageway (Section 1021.2)
[4] The loss of 1 means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
[5] Assembly occupancies (Section 1025)

ASSEMBLY OCCUPANCY INFORMATION
THIS SECTION FOR ASSEMBLY USE AREA(S)

Space Description	Area - SF	Occupant Load Factor	Occupant Load	Exit Width	Exit Quantity

TOTAL_____

PLUMBING FIXTURE REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

SEE PLUMBING SHEETS

OCCUPANCY	WATERCLOSETS: MALE	WATERCLOSETS: FEMALE	URINALS	LAVATORIES: MALE	LAVATORIES: FEMALE	SHOWERS/ TUBS	DRINKING FOUNTAINS: REGULAR	DRINKING FOUNTAINS: ACCESSIBLE
Total Required	One per dwelling unit							
Total Provided	At least one per dwelling unit							

BUILDING DRAIN SIZE	NUMBER OF BUILDING DRAINS	TOTAL FIXTURE UNIT LOAD	WATER SERVICE SIZE	NUMBER OF WATER SERVICES	TOTAL FIXTURE UNIT LOAD	NOTES

ENERGY SUMMARY
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETION

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If energy cost budget method, state the annual energy cost budget vs allowable annual energy cost budget.

THERMAL ENVELOPE (Fort Meyers, FL - Climate Zone 1A – Lee County)

Method of Compliance:
☐ Prescriptive ☒ Performance ☐ Energy Cost Budget

Roof/ceiling Assembly (each assembly)
Description of assembly **:Pre-engineered wood roof trusses w/ TPO over 5/8" roof sheathing**
U-Value of total assembly 0.026
R-Value of insulation 38 spray foam at underside of roof sheathing
Skylights in each assembly
U-Value of skylight : N/A
Total square footage of skylights in each assembly : N/A

Exterior Walls (each assembly)
Description of assembly **: 2X6 WOOD STUD WALL W / 5/8" GYPSUM BOARD, EXTERIOR SHEATHING AND CLADDING**
U-Value of total assembly: 0.05
R-Value of insulation: 20 cavity
Openings (windows or doors with glazing)
U-Factor: = 0.65
Solar Heat Gain Coefficient: 0.33
Projection factor: N/A
Low-e required, if applicable: N/A
Door R-Values: 1.10

Walls adjacent to unconditioned space (each assembly)
Description of assembly **: N/A**
U-Value of total assembly N/A
R-Value of insulation N/A
Openings (windows or doors with glazing)
U-Value of assembly N/A
Low-e required, if applicable N/A
Door R-Values N/A

Walls below grade (each assembly)
Description of assembly: **N/A**
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors slab on grade (each assembly)
Description of assembly: **4" concrete slab on vapor barrier over 4" compacted stone base on 95% compacted fill**
U-Value of total assembly: 0.1
R-Value of insulation: NR
Horizontal/Vertical requirement: N/A
Slab heated: No

BUILDING TYPE 2 KEY PLAN
Scale: 1/32" = 1'-0"
1

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Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida

PROGRESS DATE:	ISSUE DATE:	REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION
11-24-21 (99% Set)	,				

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE:
Building Type 2
Appendix B Summary

SHEET NUMBER:
A0.11

LIFE SAFETY LEGEND

FE	FIRE EXTINGUISHER IN RECESSED CABINET-TYPE 2A, 21/2" GALLONS, STORED PRESSURE
H	AUTOMATIC DOOR HOLD OPEN DEVICE
SP	STANDPIPE

WALL LEGEND

X — SEE UL DETAIL SHEETS FOR ALL ASSOCIATED WALL TYPES.
SEE FRAMING PLANS FOR BEARING WALLS

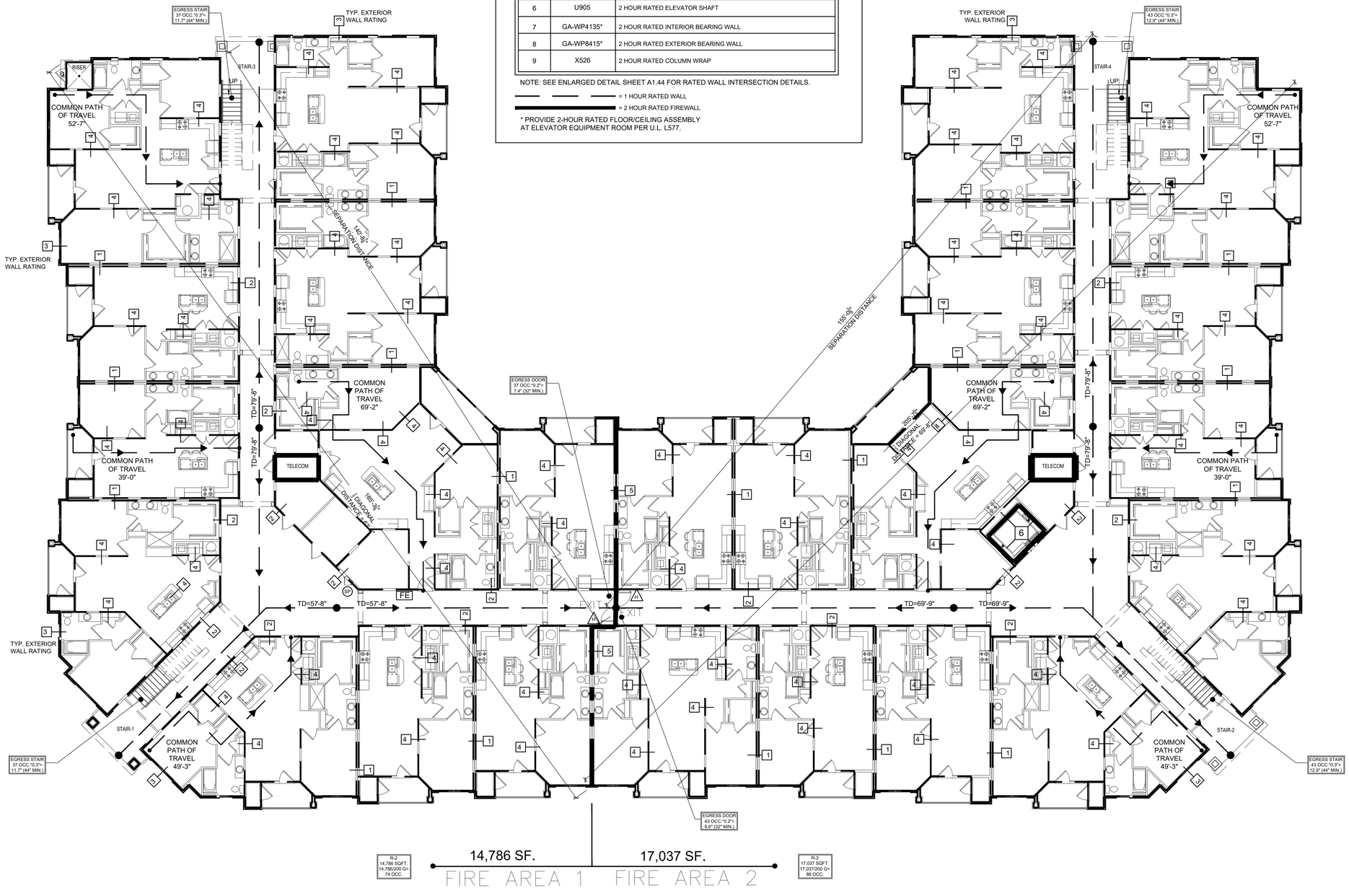
MARK	UL WALL TYPE	REMARKS
1	U341	DOUBLE 1 HOUR RATED WALL AT UNIT SEPARATION
2	GA-WP8105	1 HOUR RATED EXTERIOR WALL (BREEZEWAY)
3	U356	1 HOUR RATED EXTERIOR WALL (APPLICABLE TO ALL EXTERIOR WALLS.)
4	U305	1 HOUR RATED INTERIOR BEARING WALL - VERIFY INTERIOR BEARING WALL DESIGNATIONS WITH STRUCTURAL DRAWINGS
5	U366	2 HOUR RATED FIREWALL FIRE AREA SEPARATION
6	U905	2 HOUR RATED ELEVATOR SHAFT
7	GA-WP4135*	2 HOUR RATED INTERIOR BEARING WALL
8	GA-WP8415*	2 HOUR RATED EXTERIOR BEARING WALL
9	X526	2 HOUR RATED COLUMN WRAP

NOTE: SEE ENLARGED DETAIL SHEET A1.44 FOR RATED WALL INTERSECTION DETAILS.

— — — = 1 HOUR RATED WALL

▬▬ = 2 HOUR RATED FIREWALL

* PROVIDE 2-HOUR RATED FLOOR/CEILING ASSEMBLY AT ELEVATOR EQUIPMENT ROOM PER U.L. L577.



BUILDING TYPE 2 - FIRST FLOOR LIFE SAFETY PLAN

Scale: 3/32" = 1'-0"

1

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Fort Meyers, Florida
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PROGRESS DATE:				
ISSUE DATE:	11-24-21 (99% Set)			
REVISIONS: NUMBER	-	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Building Type 2 Life Safety Plan
SHEET NUMBER: A0.11-1

LIFE SAFETY LEGEND

FE	FIRE EXTINGUISHER IN RECESSED CABINET-TYPE 2A, 21/2" GALLONS, STORED PRESSURE
H	AUTOMATIC DOOR HOLD OPEN DEVICE
SP	STANDPIPE

WALL LEGEND

X —— SEE UL DETAIL SHEETS FOR ALL ASSOCIATED WALL TYPES. SEE FRAMING PLANS FOR BEARING WALLS

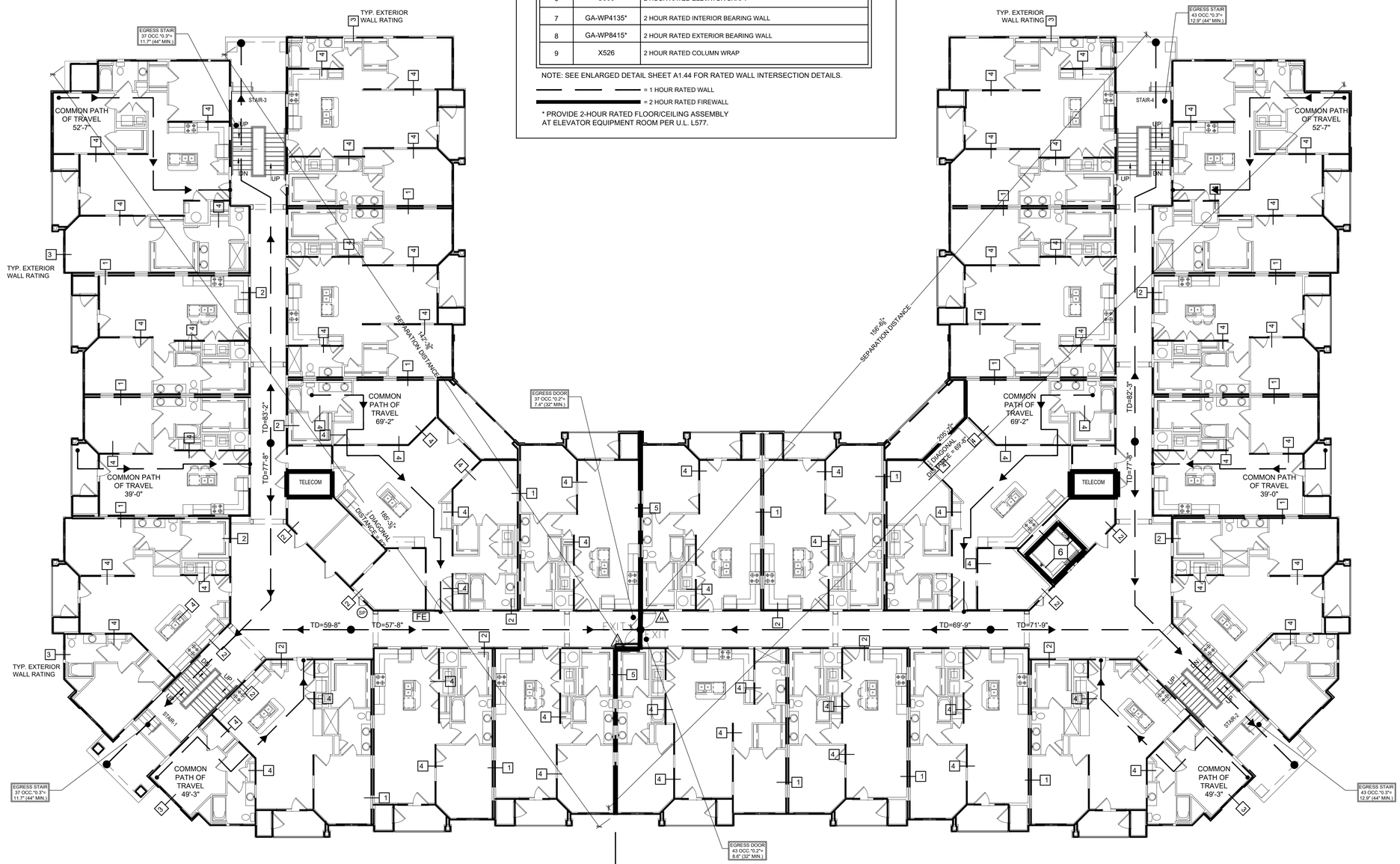
MARK	UL WALL TYPE	REMARKS
1	U341	DOUBLE 1 HOUR RATED WALL AT UNIT SEPARATION
2	GA-WP8105	1 HOUR RATED EXTERIOR WALL (BREEZEWAY)
3	U356	1 HOUR RATED EXTERIOR WALL (APPLICABLE TO ALL EXTERIOR WALLS.)
4	U305	1 HOUR RATED INTERIOR BEARING WALL - VERIFY INTERIOR BEARING WALL DESIGNATIONS WITH STRUCTURAL DRAWINGS
5	U366	2 HOUR RATED FIREWALL FIRE AREA SEPARATION
6	U905	2 HOUR RATED ELEVATOR SHAFT
7	GA-WP4135*	2 HOUR RATED INTERIOR BEARING WALL
8	GA-WP8415*	2 HOUR RATED EXTERIOR BEARING WALL
9	X526	2 HOUR RATED COLUMN WRAP

NOTE: SEE ENLARGED DETAIL SHEET A1.44 FOR RATED WALL INTERSECTION DETAILS.

= 1 HOUR RATED WALL

= 2 HOUR RATED FIREWALL

* PROVIDE 2-HOUR RATED FLOOR/CEILING ASSEMBLY AT ELEVATOR EQUIPMENT ROOM PER U.L. L577.



BUILDING TYPE 2 - SECOND FLOOR LIFE SAFETY PLAN

Scale: 3/32" = 1'-0"

1

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PROGRESS DATE:	ISSUE DATE:	REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
11-24-21 (99% Set)	-				

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 2
Life Safety Plan

SHEET NUMBER:
A0.11-2

LIFE SAFETY LEGEND

FE	FIRE EXTINGUISHER IN RECESSED CABINET-TYPE 2A, 21/2" GALLONS, STORED PRESSURE
H	AUTOMATIC DOOR HOLD OPEN DEVICE
SP	STANDPIPE

WALL LEGEND

X — SEE UL DETAIL SHEETS FOR ALL ASSOCIATED WALL TYPES.
SEE FRAMING PLANS FOR BEARING WALLS

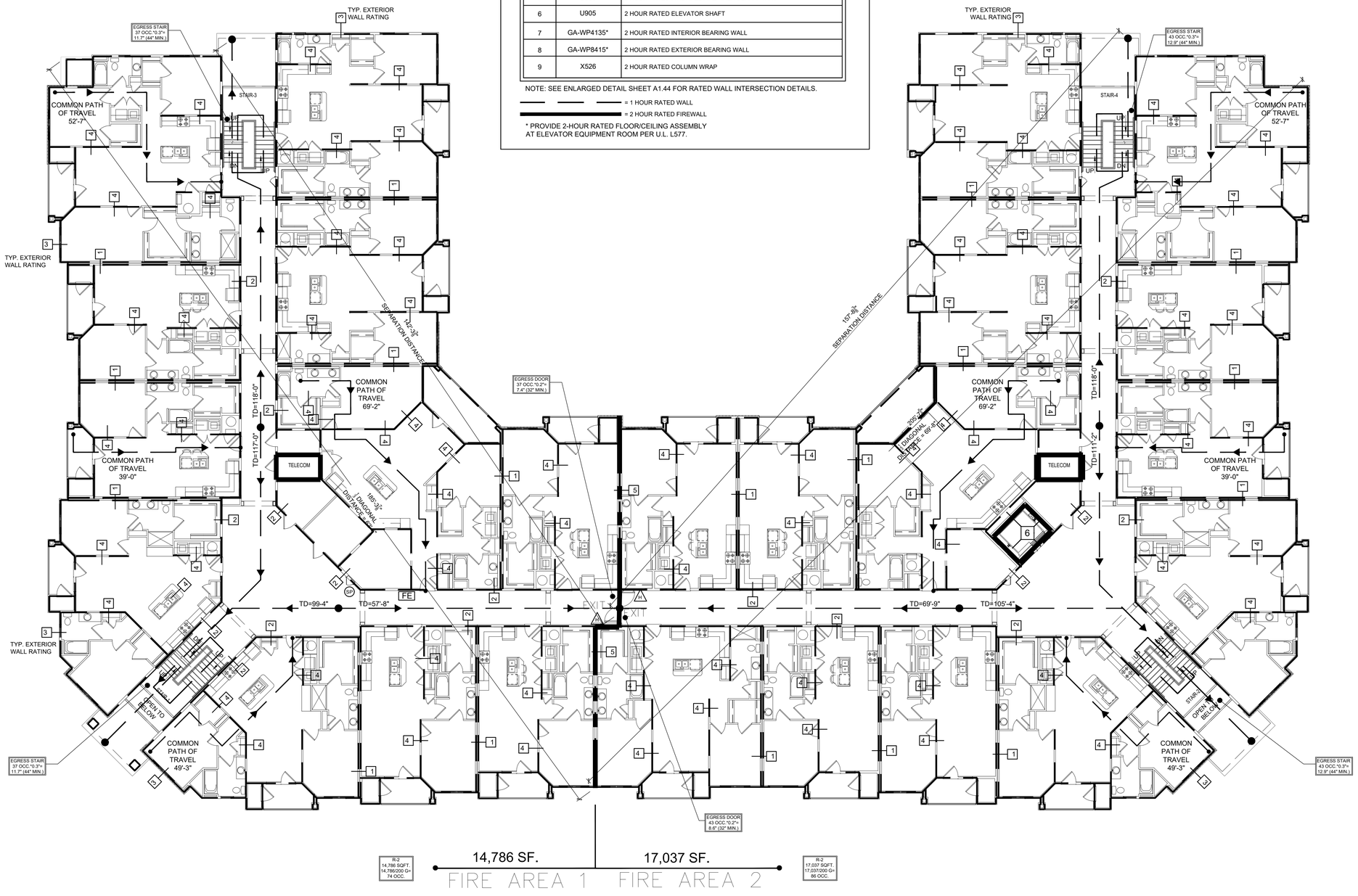
MARK	UL WALL TYPE	REMARKS
1	U341	DOUBLE 1 HOUR RATED WALL AT UNIT SEPARATION
2	GA-WP8105	1 HOUR RATED EXTERIOR WALL (BREEZEWAY)
3	U356	1 HOUR RATED EXTERIOR WALL (APPLICABLE TO ALL EXTERIOR WALLS.)
4	U305	1 HOUR RATED INTERIOR BEARING WALL - VERIFY INTERIOR BEARING WALL DESIGNATIONS WITH STRUCTURAL DRAWINGS
5	U366	2 HOUR RATED FIREWALL FIRE AREA SEPARATION
6	U905	2 HOUR RATED ELEVATOR SHAFT
7	GA-WP4135*	2 HOUR RATED INTERIOR BEARING WALL
8	GA-WP8415*	2 HOUR RATED EXTERIOR BEARING WALL
9	X526	2 HOUR RATED COLUMN WRAP

NOTE: SEE ENLARGED DETAIL SHEET A1.44 FOR RATED WALL INTERSECTION DETAILS.

= 1 HOUR RATED WALL

= 2 HOUR RATED FIREWALL

* PROVIDE 2-HOUR RATED FLOOR/CEILING ASSEMBLY AT ELEVATOR EQUIPMENT ROOM PER U.L. L577.



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ISSUE DATE:	-			
REVISIONS: NUMBER		DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
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SHEET TITLE:
Building Type 2
Life Safety Plan

BUILDING TYPE 2 - THIRD FLOOR LIFE SAFETY PLAN
Scale: 3/32" = 1'-0"

1

SHEET NUMBER:
A0.11-3

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LIFE SAFETY LEGEND

FE	FIRE EXTINGUISHER IN RECESSED CABINET-TYPE 2A, 21/2" GALLONS, STORED PRESSURE
H	AUTOMATIC DOOR HOLD OPEN DEVICE
SP	STANDPIPE

WALL LEGEND

X — SEE UL DETAIL SHEETS FOR ALL ASSOCIATED WALL TYPES.
SEE FRAMING PLANS FOR BEARING WALLS

MARK	UL WALL TYPE	REMARKS
1	U341	DOUBLE 1 HOUR RATED WALL AT UNIT SEPARATION
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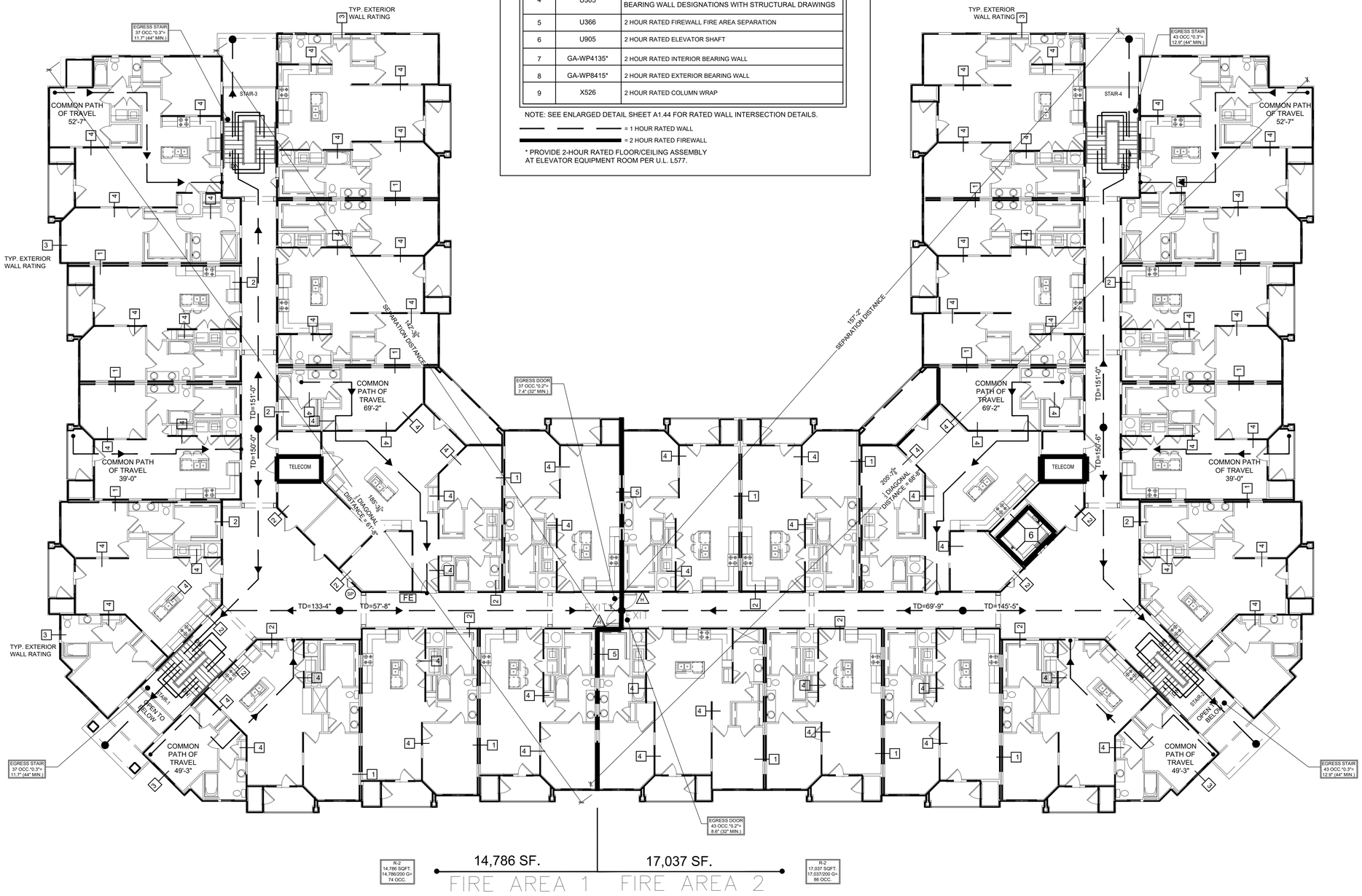
6	U905	2 HOUR RATED ELEVATOR SHAFT
7	GA-WP4135*	2 HOUR RATED INTERIOR BEARING WALL
8	GA-WP8415*	2 HOUR RATED EXTERIOR BEARING WALL
9	X526	2 HOUR RATED COLUMN WRAP

NOTE: SEE ENLARGED DETAIL SHEET A1.44 FOR RATED WALL INTERSECTION DETAILS.

= 1 HOUR RATED WALL

= 2 HOUR RATED FIREWALL

* PROVIDE 2-HOUR RATED FLOOR/CEILING ASSEMBLY AT ELEVATOR EQUIPMENT ROOM PER U.L. L577.



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PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Building Type 2 Life Safety Plan

BUILDING TYPE 2 - FOURTH FLOOR LIFE SAFETY PLAN
Scale: 3/32" = 1'-0"

1

SHEET NUMBER: A0.11-4

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BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2.)

Name of Project: Goat Farm – Clubhouse
Address: College Pkwy & Southpointe Blvd., Fort Meyers, FL 33919 Suite #:_____
Owner or Authorized Agent: Zimmer Development Company Phone: 910-294-8215 x 215
Email: spencerpeterson@zdc.com Fax: 910-762-1999
Owned By: ☒ Privately ☐ City/County ☐ State
Code Enforcement Jurisdiction: ☒ City ☐ County ☐ City/County
Name of Jurisdiction: Fort Meyers, Florida

PROJECT SUMMARY:
Building Description: 4-story wood framed apartment building containing 75 units

Scope of Work: Construction of new 4-story apartment building

Code Compliance Summary:
2017 FLORIDA BUILDING CODE
FLORIDA FIRE PREVENTION CODE 6th EDITION
2014 NATIONAL ELECTRICAL CODE
2017 FLORIDA MECHANICAL CODE
2017 FLORIDA PLUMBING CODE
2017 FLORIDA ENERGY CONSERVATION CODE
2017 FLORIDA ACCESSIBILITY CODE

Alternative Means of Compliance Request:

Lead Design Professional/Project Coordinator: Marc W. Mills (Planworx Architecture, P.A.)

DESIGNER	FIRM	NAME	LICENSE	TELEPHONE
Architectural:	Planworx Architecture, P.A.	Marc W. Mills	AR91507	919-846-8100
Civil:	Ensite, Inc.	Jason E. Tomassetti	66263	239-226-0024
Electrical:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Fire Alarm:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Plumbing:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Mechanical:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Sprinkler-Standpipe:				
Structural:	Woods Engineering	Adam Sisk	86896	(910) 343-8007
Precast:	n/a			
Trusses:	by contractor			
Retaining Walls >5' High:				
Other:	n/a			

New Building: ☒ New Building ☐ Shell Building ☐ First Time Interior Completion
☐ Addition ☐ Alteration to Shell

Existing Building: ☐ Renovation ☐ Interior Completion ☐ Tenant Alteration
☐ Reconstruction ☐ Repair ☐ Alteration to Shell
☐ Change of Use Tenant Space ☐ Change of Occupancy
Note: Zoning Review May Be Required for Change of Use or Occupancy

Original Occupancy: _____
Proposed Occupancy: _____

OCCUPANCY INFORMATION

Primary Occupancies: Assembly: ☐ A-1 ☐ A-2 ☐ A-3 ☐ A -4 ☐ A-5
☐ Business ☐ Educational Factory-Industrial: ☐ F-1 ☐ F-2
High-Hazard: ☐ H-1 ☐ H-2 ☐ H-3 ☐ H-4 ☐ H-5
Institutional: ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 USE CONDITION: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ Mercantile Residential: ☐ R-1 ☒ R-2 ☐ R-3 ☐ R-4
Storage: ☐ S-1 ☐ S-2 ☐ High-piled
S-1 SPECIAL CONDITION: ☐ Repair Garage (406.8)
S-2 SPECIAL CONDITION -- Parking Garage: ☐ Open (406.5) ☐ Enclosed (406.6)
☐ Utility and Miscellaneous

Other Uses:
Accessory Uses (Indicate Percentages): _____
Incidental Uses: _____

Special Occupancies: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☒ 420 ☐ 421

Mixed Occupancy: ☒ No ☐ Yes Separation: _____
Exception: _____
☐ Non-Separated Mixed Occupancy (508.3)
☐ Separated Mixed Occupancy (508.4)

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

ALLOWABLE AREA AND HEIGHT CALCULATIONS
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETIONS

EXTERIOR WALL	ACTUAL LENGTH		OPEN LENGTH		WIDTH OF PUBLIC WAY OR OPEN SPACE	
North	306'		306'		30'	
South	306'		306'		30'	
East	194'		194'		30'	
West	194'		0'		30'	
Total	**1000'**	**P**	**806'**	**F**	**30'**	**W**

INCREASE FRONTAGE 55 %
SPRINKLERS N/A%

FRONTAGE INCREASE FORMULA ALLOWABLE AREA FORMULA

$I_F = 100*(F - 0.25)\frac{W}{P}$ $I_F = 100*((XXX)-0.25)*30/30$ $I_F = 100*(x-0.25)*1$ $I_F = x$

BOTH BUILDING AND TENANT MUST BE INDICATED ON CHART BELOW

FIRE AREA	STORY NO.	OCCUPANCY	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503[1] AREA	(C) % OPEN SPACE INCREASE [1]	(D) % SPRINKLER INCREASE[2]	(E) ALLOWABLE FLOOR AREA OR UNLIMITED[3]	RATIO OF ACTUAL /ALLOWABLE	(F) MAXIMUM BUILDING AREA[4]	SEPARATION RATIOS REQUIRED
1	1	R-2	15,396	12,000	55%	N/A	18,600	0.827	74,400	N/A
	2	R-2	15,396					0.827		
	3	R-2	15,396					0.827		
	4	R-2	15,396					0.827		
2	1	R-2	16,713	12,000	55%	N/A	18,600	0.898	74,400	N/A
	2	R-2	16,713					0.898		
	3	R-2	16,713					0.898		
	4	R-2	16,713					0.898		

[1] Open space area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = (W)
e. Percent of frontage increase $I_F = 100 [F/P - 0.25] \times W/30 =$
[2] The sprinkler increase per Section 506.3 is as follows:
a. Multistory building $I_S = 200$ percent
b. Single story building $I_S = 300$ percent
[3] Unlimited area applicable under conditions of Sections Group B, F, M, S, A-4 (507.1, 507.2, 507.3, 507.4, 507.7);
Group A motion picture (507.11); Malls (507.12); and H-2 aircraft paint hangers (507.9).
[4] Maximum Building Area = total number of stories in the building x E but not greater than 3 x E.
[5] The maximum area of parking garages must comply with 406.3.1. The maximum area of air traffic control towers must comply with 412.3.1.

ALLOWABLE HEIGHT

MOST RESTRICTIVE USE (GROUP)	ALLOWABLE HEIGHT (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type V-A		Type V-A	Table 601
Building Height in Feet	H = 60 ft	H + 20 ft = **80** ft	H = 49'-7"	Table 503
Building Height in Stories	S = 3	S + 1 = 4	S = 4	Table 503

BUILDING DATA
THIS SECTION REQUIRED FOR ALL PROJECTS

Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B
☐ IV-HT ☒ V-A ☐ V-B
Mixed construction: ☒ No ☐ Yes Types _____
Sprinklers: ☐ No ☒ Yes ☐ NFPA 13 ☒ NFPA 13R
☐ Partially Sprinklered ☐ Special Suppression

Note: Dry Stem sidewall sprinklers to be installed at patio/balcony areas (typical all locations).

Standpipes: ☐ No ☒ Yes Class: ☒ I ☐ II ☐ III ☐ Wet ☒ Dry
Fire District: ☒ No ☐ Yes (Appendix D) ☐ Flood Hazard
Building Height: 47.58 Feet 4 Story
Basement: ☒ No ☐ Yes
Mezzanine: ☒ No ☐ Yes
High Rise: ☒ No ☐ Yes Life Safety Plan Sheet # (if provided): A0.11-A0.14

Gross Building Area:

FLOOR	FIRE AREA 1 (SQ FT)	FIRE AREA 2 (SQ FT)	FIRE AREA 3 (SQ FT)
6th Floor	-	-	-
5th Floor	-	-	-
4th Floor	15,396	16,713	-
3rd Floor	15,396	16,713	-
2nd Floor	15,396	16,713	-
Mezzanine	-	-	-
1st Floor	15,396	16,713	-
Basement	-	-	-
TOTAL	61,584	66,852	-

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ ____" REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	w w DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North	>30'	1	1	1/A0.22	U356		
East	>30'	1	1	1/A0.22	U356		
West	>30'	1	1	1/A0.22	U356		
South	10'≤ x <30'	1	1	1/A0.22	U356		
Interior		1	1	1/A0.20	U305		
Nonbearing Walls and Partitions							
Exterior walls							
North	>30'	0	0	n/a	n/a		
East	>30'	0	0	n/a	n/a		
West	>30'	0	0	n/a	n/a		
South	>30'	0	0	n/a	n/a		
Interior walls and partitions		0	0	n/a	n/a		
Floor Construction Including supporting beams and joists		1	1	1/A0.21	L521		
Roof Construction		1	1	3/A0.22	P522		
Shaft Enclosures - Exit		0	0	n/a	n/a		
Shaft Enclosures - Elevator		2 2	2 2	2/A0.21 3/A0.21	U305 AIR-09038		
Corridor Separation (Basement)		1	1	2/A0.20	OA-WPB105		
Occupancy Separation		0	0	n/a	n/a		
Party/Fire Wall Separation		2	2	3/A0.23	U366		
Smoke Barrier Separation		0	0	n/a	n/a		
Tenant Separation (Dwelling Units)		1	1	2/A0.22	U341		
Incidental Use Separation		0	0	n/a	n/a		

* Indicate section number permitting reduction
** **RATED JOINTS:**
1. SEE SHEET A0.23 FOR UL HW-S-0090 (U300 TO L500 JOINT SYSTEM)
2. SEE SHEETS A0.24-A0.26 FOR HILTI ENGINERING JUDGMENTS AT RATED JOINTS

PERCENTAGE OF WALL OPENING CALCULATIONS
THIS SECTION FOR ADDITIONS, NEW AND CHANGE OF USE

Allowable openings per Table 705.8
Using worst case scenario (Site Building #1):
North = 30' or greater; No Limit
South = 30' or greater; No Limit
East = 30' or greater; No Limit
West = 20' to less than 25'; 45% allowable openings; XXXX provided

WALL LEGENDS
THIS SECTION REQUIRED FOR ALL PROJECTS

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATE BY A **WALL LEGEND** ON ALL PLANS
☒ Fire Partitions 708 ☒ Fire Walls 706 ☒ Fire Barriers 707 ☐ Smoke Partitions 710
☐ Smoke Barriers 709 ☒ Shaft Enclosure 713

LIFE SAFETY SYSTEM REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☐ No ☒ Yes
Smoke Detection Systems: ☐ No ☒ Yes
Panic Hardware: ☐ No ☒ Yes

EXIT REQUIREMENTS
NUMBER AND ARRANGEMENT OF EXITS
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	FLOOR, ROOM AND/OR SPACE DESIGNATION	MINIMUM[1] NUMBER OF EXITS REQUIRED	MINIMUM[1] NUMBER OF EXITS SHOWN ON PLANS	TRAVEL DISTANCE ALLOWABLE TRAVEL DISTANCE (TABLE 1015.1)	TRAVEL DISTANCE ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	ARRANGEMENT MEANS OF EGRESS[2,3] (SECTION 1015.2) REQUIRED DISTANCE BETWEEN EXIT DOORS	ARRANGEMENT MEANS OF EGRESS[2,3] (SECTION 1015.2) ACTUAL DISTANCE SHOWN ON PLANS
1	FLOOR 1	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 2	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 3	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 4	2	2	250'-0"	X'-X"	X'-X"	X'-X"
2	FLOOR 1	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 2	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 3	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 4	2	2	250'-0"	X'-X"	X'-X"	X'-X"

[1] Corridor dead ends (Section 1018.4)
[2] Single exits (Section 1015.1; Section 1021.2)
[3] Common Path of Egress Travel (Section 1014.3)

OCCUPANT LOAD AND EXIT WIDTH
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	USE GROUP AND/OR SPACE	(a) AREA[1] SQ. FT.	(b) AREA[1] PER OCCUPANT	(a/b) NUMBER OF OCCUPANTS	(c) EGRESS WIDTH PER OCCUPANT (SECTION 1005.1) STAIR	(c) EGRESS WIDTH PER OCCUPANT (SECTION 1005.1) LEVEL	EXIT WIDTH ((a/b)XC)[3,4,5] REQUIRED WIDTH (SECTION 1005.1) (a/b) x c STAIR	EXIT WIDTH ((a/b)XC)[3,4,5] REQUIRED WIDTH (SECTION 1005.1) (a/b) x c LEVEL	EXIT WIDTH ((a/b)XC)[3,4,5] ACTUAL WIDTH SHOWN ON PLANS STAIR	EXIT WIDTH ((a/b)XC)[3,4,5] ACTUAL WIDTH SHOWN ON PLANS LEVEL
1	FLOOR 1	15,396	200	77	0.3	0.2	44"	32"	N/A	34"
	FLOOR 2	15,396	200	77	0.3	0.2	44"	32"	48"	34"
	FLOOR 3	15,396	200	77	0.3	0.2	44"	32"	48"	34"
	FLOOR 4	15,396	200	77	0.3	0.2	44"	32"	48"	34"
	Total # of Occupants			**308**						
2	FLOOR 1	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	FLOOR 2	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	FLOOR 3	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	FLOOR 4	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	Total # of Occupants			**336**						

[1] See Table 1004.1.2 to determine whether net or gross area is applicable.
[2] Minimum stairway width (Section 1009.1); min. corridor width (Section 1018.2); min. door width (Section 1008.1.1)
[3] Minimum width of exit passageway (Section 1021.2)
[4] The loss of 1 means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
[5] Assembly occupancies (Section 1025)

ASSEMBLY OCCUPANCY INFORMATION
THIS SECTION FOR A ASSEMBLY USE AREA(S)

Space Description	Area - SF	Occupant Load Factor	Occupant Load	Exit Width	Exit Quantity

TOTAL_____

PLUMBING FIXTURE REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

SEE PLUMBING SHEETS

OCCUPANCY	WATERCLOSETS MALE	WATERCLOSETS FEMALE	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
Total Required	One per dwelling unit							
Total Provided	At least one per dwelling unit							

BUILDING DRAIN SIZE	NUMBER OF BUILDING DRAINS	TOTAL FIXTURE UNIT LOAD	WATER SERVICE SIZE	NUMBER OF WATER SERVICES	TOTAL FIXTURE UNIT LOAD	NOTES

ENERGY SUMMARY
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETION

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If energy cost budget method, state the annual energy cost budget vs allowable annual energy cost budget.

THERMAL ENVELOPE (Fort Meyers, FL - Climate Zone 1A – Lee County)

Method of Compliance:
☐ Prescriptive ☒ Performance ☐ Energy Cost Budget

Roof/ceiling Assembly (each assembly)
Description of assembly :**Pre-engineered wood roof trusses w/ TPO over 5/8" roof sheathing**
U-Value of total assembly 0.026
R-Value of insulation 38 spray foam at underside of roof sheathing
Skylights in each assembly
U-Value of skylight : N/A
Total square footage of skylights in each assembly : N/A

Exterior Walls (each assembly)
Description of assembly : **2X6 WOOD STUD WALL W/ 5/8" GYPSUM BOARD, EXTERIOR SHEATHING AND CLADDING**
U-Value of total assembly: 0.05
R-Value of insulation: 20 cavity
Openings (windows or doors with glazing)
U-Factor: = 0.65
Solar Heat Gain Coefficient: 0.33
Projection factor: N/A
Low-e required, if applicable: N/A
Door R-Values: 1.10

Walls adjacent to unconditioned space (each assembly)
Description of assembly : **N/A**
U-Value of total assembly N/A
R-Value of insulation N/A
Openings (windows or doors with glazing)
U-Value of assembly N/A
Low-e required, if applicable N/A
Door R-Values N/A

Walls below grade (each assembly)
Description of assembly: **N/A**
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors slab on grade (each assembly)
Description of assembly: **4" concrete slab on vapor barrier over 4" compacted stone base on 95% compacted fill**
U-Value of total assembly: 0.1
R-Value of insulation: NR
Horizontal/Vertical requirement: N/A
Slab heated: No

1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes.
2. Contractor is to notify architect immediately of conditions or items varying from depicted information.
3. Planworx Architecture, P.A. is not responsible for constructed variations from the information depicted.
4. Planworx Architecture, P.A. will not assume any liability for expenses associated with errors and omissions on these drawings unless offset by verified construction savings as a result of Planworx Architecture, P.A. Design.
5. Planworx Architecture, P.A. retains ownership of all of designs depicted and implied herein.
6. Planworx Architecture, P.A. is not responsible for estimating, maintaining, or regulating construction costs associated with these plans.

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PLANWORX ARCHITECTURE P.A. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. C-0909 N.C. RALEIGH, NC
PRELIMINARY NOT FOR CONSTRUCTION

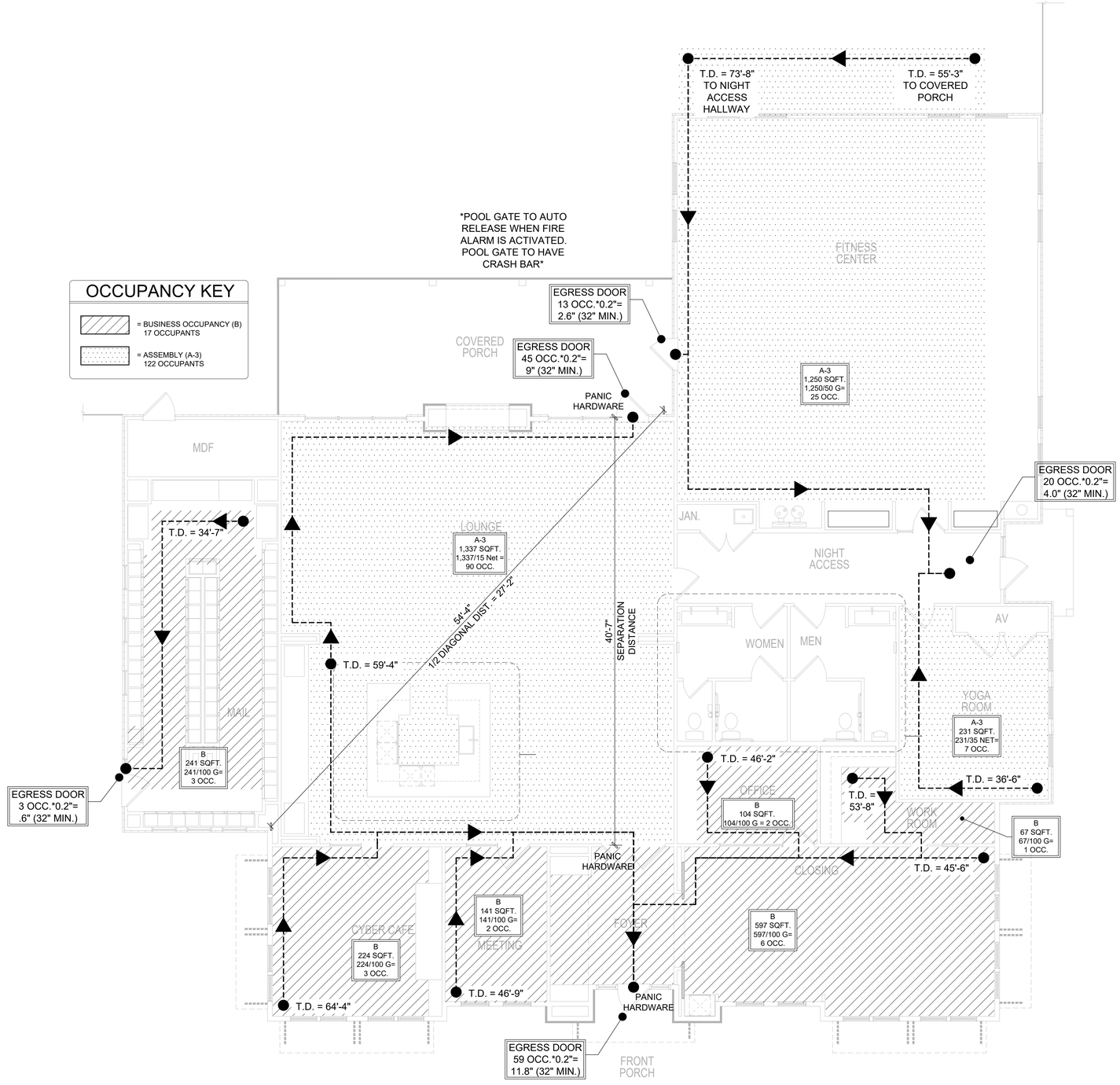
Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida

PROGRESS DATE:	-		
ISSUE DATE:	11-24-21 (99% Set)		
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Clubhouse
Appendix B Summary

SHEET NUMBER:
A0.12



LIFE SAFETY PLAN

Scale: 3/16" = 1'-0"

1

1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes.
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PLANWORX ARCHITECTURE P.A. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. C-0909 N.C. RALEIGH, NC

PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida

PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
-			

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Clubhouse
Life Safety Plan

SHEET NUMBER:
A0.12-1

BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2.)

Name of Project: Goat Farm – Pool House
Address: College Pkwy & Southpointe Blvd., Fort Meyers, FL 33919 Suite #:
Owner or Authorized Agent: Zimmer Development Company Phone: 910-294-8215 x 215
Email: spencerpeterson@cdc.com Fax: 910-762-1999
Owned By: ☑ Privately ☐ City/County ☐ State
Code Enforcement Jurisdiction: ☑ City ☐ County ☐ City/County
Name of Jurisdiction: Fort Meyers, Florida

PROJECT SUMMARY:
Building Description: 4-story wood framed apartment building containing 75 units

Scope of Work: Construction of new 4-story apartment building

Code Compliance Summary:
2017 FLORIDA BUILDING CODE
FLORIDA FIRE PREVENTION CODE 6th EDITION
2014 NATIONAL ELECTRICAL CODE
2017 FLORIDA MECHANICAL CODE
2017 FLORIDA PLUMBING CODE
2017 FLORIDA ENERGY CONSERVATION CODE
2017 FLORIDA ACCESSIBILITY CODE

Alternative Means of Compliance Request:

Lead Design Professional/Project Coordinator: Marc W. Mills (Planworx Architecture, P.A.)

DESIGNER	FIRM	NAME	LICENSE	TELEPHONE
Architectural:	Planworx Architecture, P.A.	Marc W. Mills	AR91507	919-846-8100
Civil:	Ensite, Inc.	Jason E. Tomassetti	66263	239-226-0024
Electrical:	Maple Engineering	Zack L. Tonlin	79002	919-341-4247
Fire Alarm:	Maple Engineering	Zack L. Tonlin	79002	919-341-4247
Plumbing:	Maple Engineering	Zack L. Tonlin	79002	919-341-4247
Mechanical:	Maple Engineering	Zack L. Tonlin	79002	919-341-4247
Sprinkler-Standpipe:				
Structural:	Woods Engineering	Adam Sisk	86896	(910) 343-8007
Precast:	n/a			
Trusses:	by contractor			
Retaining Walls >5' High:				
Other:	n/a			

New Building: ☑ New Building ☐ Shell Building ☐ First Time Interior Completion
☐ Addition ☐ Alteration to Shell

Existing Building: ☐ Renovation ☐ Interior Completion ☐ Tenant Alteration
☐ Reconstruction ☐ Repair ☐ Alteration to Shell
☐ Change of Use Tenant Space ☐ Change of Occupancy
Note: Zoning Review May Be Required for Change of Use or Occupancy

Original Occupancy:
Proposed Occupancy:

OCCUPANCY INFORMATION

Primary Occupancies: Assembly: ☐ A-1 ☐ A-2 ☐ A-3 ☐ A -4 ☐ A-5
☐ Business ☐ Educational Factory-Industrial: ☐ F-1 ☐ F-2
High-Hazard: ☐ H-1 ☐ H-2 ☐ H-3 ☐ H-4 ☐ H-5
Institutional: ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 USE CONDITION: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ Mercantile Residential: ☐ R-1 ☒ R-2 ☐ R-3 ☐ R-4
Storage: ☐ S-1 ☐ S-2 ☐ High-piled
S-1 SPECIAL CONDITION: ☐ Repair Garage (406.8)
S-2 SPECIAL CONDITION – Parking Garage: ☐ Open (406.5) ☐ Enclosed (406.6)
☐ Utility and Miscellaneous

Other Uses:
Accessory Uses (Indicate Percentages):
Incidental Uses:

Special Occupancies:
☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408
☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415
☐ 416 ☐ 417 ☐ 418 ☐ 419 ☒ 420 ☐ 421

Mixed Occupancy: ☒ No ☐ Yes Separation:
Exception:
☐ Non-Separated Mixed Occupancy (508.3)
☐ Separated Mixed Occupancy (508.4)

$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$

ALLOWABLE AREA AND HEIGHT CALCULATIONS
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETIONS

EXTERIOR WALL	ACTUAL LENGTH		OPEN LENGTH		WIDTH OF PUBLIC WAY OR OPEN SPACE	
North	306'		306'		30'	
South	306'		306'		30'	
East	194'		194'		30'	
West	194'		0'		30'	
Total	**1000'**	**P**	**806'**	**F**	**30'**	**W**

INCREASE FRONTAGE 55%
SPRINKLERS N/A%

FRONTAGE INCREASE FORMULA ALOWABLE AREA FORMULA

$I_f = 100*(\frac{F}{P} - 0.25)\frac{W}{30}$ $I_f = {}_{100*((830/1000)-0.25)*30/30}$ $I_f = {}_{100*(.83-0.25)*1}$ $I_f =$

BOTH BUILDING AND TENANT MUST BE INDICATED ON CHART BELOW

FIRE AREA	STORY NO.	OCCUPANCY	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 537 AREA	(C) % OPEN SPACE INCREASE	(D) % SPRINKLER INCREASE[2]	(E) ALLOWABLE FLOOR AREA OR UNLIMITED[3]	RATIO OF ACTUAL TO ALLOWABLE	(F) SMALLEST BUILDING AREA*	SEPARATION RATING REQUIRED
1	1	R-2	15,396	12,000	55%	N/A	18,600	0.827	74,400	N/A
	2	R-2	15,396					0.827		
	3	R-2	15,396					0.827		
	4	R-2	15,396					0.827		
2	1	R-2	16,713	12,000	55%	N/A	18,600	0.898	74,400	N/A
	2	R-2	16,713					0.898		
	3	R-2	16,713					0.898		
	4	R-2	16,713					0.898		

[1] Open space area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Maximum width of public way = (W)
e. Percent of frontage increase $I_f = 100 [F/P - 0.25] \times W/30$ =
[2] The sprinkler increase per Section 506.3 is as follows:
a. Multistory building I_s = 200 percent
b. Single story building I_s = 300 percent
[3] Unlimited area applicable under conditions of Sections Group B, F, M, S, A-4 (507.1, 507.2, 507.3, 507.4, 507.7);
Group A motion picture (507.11); Malls (507.12); and H-2 aircraft paint hangers (507.9).
[4] Maximum Building Area = total number of stories in the building x E but not greater than 3 x E.
[5] The maximum area of parking garages must comply with 406.3.1. The maximum area of air traffic control towers must comply with 412.3.1.

ALLOWABLE HEIGHT

MOST RESTRICTIVE USE (GROUP ___)	ALLOWABLE HEIGHT (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type V-A		Type V-A	Table 601
Building Height in Feet	H = 60 ft	H = 20 ft = 80 ft	H = 49'-7"	Table 503
Building Height in Stories	S = 3	S = 1 = 4	S = 4	Table 503

BUILDING DATA
THIS SECTION REQUIRED FOR ALL PROJECTS

Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B
☐ IV-HT ☒ V-A ☐ V-B
Mixed construction: ☒ No ☐ Yes Types
Sprinklers: ☐ No ☒ Yes ☐ NFPA 13 ☒ NFPA 13R
☐ Partially Sprinklered ☐ Special Suppression

Note: Dry Stem sidewall sprinklers to be installed at patio/balcony areas (typical all locations).

Standpipes: ☐ No ☒ Yes Class: ☒ I ☐ II ☐ III ☐ Wet ☒ Dry
Fire District: ☒ No ☐ Yes (Appendix D) ☐ Flood Hazard
Building Height: 47.58 Feet 4 Story
Basement: ☒ No ☐ Yes
Mezzanine: ☒ No ☐ Yes
High Rise: ☒ No ☐ Yes Life Safety Plan Sheet # (if provided): A0.11-A0.14

Gross Building Area:

FLOOR	FIRE AREA 1 (SQ FT)	FIRE AREA 2 (SQ FT)	FIRE AREA 3 (SQ FT)
6th Floor	-	-	-
5th Floor	-	-	-
4th Floor	15,396	16,713	-
3rd Floor	15,396	16,713	-
2nd Floor	15,396	16,713	-
Mezzanine	-	-	-
1st Floor	15,396	16,713	-
Basement	-	-	-
TOTAL	61,584	66,852	-

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQ'D	RATING PROVIDED (W/___ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	** DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North	>30'	1	1	1/A0.22	U356		
East	>30'	1	1	1/A0.22	U356		
West	>30'	1	1	1/A0.22	U356		
South	10'≤ x <30'	1	1	1/A0.22	U356		
Interior		1	1	1/A0.20	U305		
Nonbearing Walls and Partitions							
Exterior walls							
North	>30'	0	0	n/a	n/a		
East	>30'	0	0	n/a	n/a		
West	>30'	0	0	n/a	n/a		
South	>30'	0	0	n/a	n/a		
Interior walls and partitions		0	0	n/a	n/a		
Floor Construction Including supporting beams and joists		1	1	1/A0.21	L521		
Roof Construction		1	1	3/A0.22	P522		
Shaft Enclosures - Exit		0	0	n/a	n/a		
Shaft Enclosures - Elevator		2	2	2/A0.23	U305		
		2	2	3/A0.21	AER-0903E		
Corridor Separation (Breezeway)		1	1	2/A0.20	GA-WP3105		
Occupancy Separation		0	0	n/a	n/a		
Party/Fire Wall Separation		2	2	3/A0.23	U366		
Smoke Barrier Separation		0	0	n/a	n/a		
Tenant Separation (Dwelling Units)		1	1	2/A0.22	U341		
Incidental Use Separation		0	0	n/a	n/a		

* Indicate section number permitting reduction
** **RATED JOINTS:**
1. SEE SHEET A0.23 FOR UL HW-S-0090 (U300 TO L500 JOINT SYSTEM)
2. SEE SHEETS A0.24-A0.26 FOR HILTI ENGINEERING JUDGMENTS AT RATED JOINTS

PERCENTAGE OF WALL OPENING CALCULATIONS
THIS SECTION FOR ADDITIONS, NEW AND CHANGE OF USE

Allowable openings per Table 705.8
Using worst case scenario (Site Building #1):
North = 30' or greater; No Limit
South = 30' or greater; No Limit
East = 30' or greater; No Limit
West = 20' to less than 25'; 45% allowable openings; XXXX provided

WALL LEGENDS
THIS SECTION REQUIRED FOR ALL PROJECTS

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATE BY A **WALL LEGEND** ON ALL PLANS
☑ Fire Partitions 708 ☑ Fire Walls 706 ☑ Fire Barriers 707 ☐ Smoke Partitions 710
☐ Smoke Barriers 709 ☑ Shaft Enclosure 713

LIFE SAFETY SYSTEM REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☐ No ☒ Yes
Smoke Detection Systems: ☐ No ☒ Yes
Panic Hardware: ☐ No ☒ Yes

EXIT REQUIREMENTS
NUMBER AND ARRANGEMENT OF EXITS
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	FLOOR, ROOM AND/OR SPACE DESIGNATION	MINIMUM[1] NUMBER OF EXITS: REQUIRED	MINIMUM[1] NUMBER OF EXITS: SHOWN ON PLANS	TRAVEL DISTANCE: ALLOWABLE TRAVEL DISTANCE (TABLE 1015.1)	TRAVEL DISTANCE: ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	ARRANGEMENT MEANS OF EGRESS[2,3] (SECTION 1015.2): REQUIRED DISTANCE BETWEEN EXIT DOORS	ARRANGEMENT MEANS OF EGRESS[2,3] (SECTION 1015.2): ACTUAL DISTANCE SHOWN ON PLANS
1	FLOOR 1	2	2	250'-0"	X'-X"	X'-X"[2]	X'-X"
	FLOOR 2	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 3	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 4	2	2	250'-0"	X'-X"	X'-X"	X'-X"
2	FLOOR 1	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 2	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 3	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 4	2	2	250'-0"	X'-X"	X'-X"	X'-X"

[1] Corridor dead ends (Section 1018.4)
[2] Single exits (Section 1015.1; Section 1021.2)
[3] Common Path of Egress Travel (Section 1014.3)

OCCUPANT LOAD AND EXIT WIDTH
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	USE GROUP AND/OR SPACE	(a) AREA[1] SQ. FT.	(b) AREA[1] PER OCCUPANT	(a÷b) NUMBER OF OCCUPANTS	(c) EGRESS WIDTH PER OCCUPANT (SECTION	EXIT WIDTH (in)[2,3,4,5] REQUIRED WIDTH (SECTION 1005.1) (a÷b) x		ACTUAL WIDTH SHOWN ON PLANS	
						STAIR	LEVEL	STAIR	LEVEL
1	FLOOR 1	15,396	200	77	0.3	0.2	44"	32"	N/A	34"
	FLOOR 2	15,396	200	77	0.3	0.2	44"	32"	48"	34"
	FLOOR 3	15,396	200	77	0.3	0.2	44"	32"	48"	34"
	FLOOR 4	15,396	200	77	0.3	0.2	44"	32"	48"	34"
	Total # of Occupants			**308**						
2	FLOOR 1	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	FLOOR 2	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	FLOOR 3	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	FLOOR 4	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	Total # of Occupants			**336**						

[1] See Table 1004.1.2 to determine whether net or gross area is applicable.
[2] Minimum stairway width (Section 1009.1); min. corridor width (Section 1018.2); min. door width (Section 1008.1.1)
[3] Minimum width of exit passageway (Section 1021.2)
[4] The loss of 1 means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
[5] Assembly occupancies (Section 1025)

ASSEMBLY OCCUPANCY INFORMATION
THIS SECTION FOR ASSEMBLY USE AREA(S)

Space Description	Area - SF	Occupant Load Factor	Occupant Load	Exit Width	Exit Quantity
TOTAL					

PLUMBING FIXTURE REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS
SEE PLUMBING SHEETS

OCCUPANCY	WATER CLOSETS		URINALS	LAVATORIES		SHOWERS/ TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE
Total Required	One per dwelling unit							
Total Provided	At least one per dwelling unit							

BUILDING DRAIN SIZE	NUMBER OF BUILDING DRAINS	TOTAL FIXTURE UNIT LOAD	WATER SERVICE SIZE	NUMBER OF WATER SERVICES	TOTAL FIXTURE UNIT LOAD	NOTES

ENERGY SUMMARY
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETION

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If energy cost budget method, state the annual energy cost budget vs allowable annual energy cost budget.

THERMAL ENVELOPE (Fort Meyers, FL – Climate Zone 1A – Lee County)

Method of Compliance:
☐ Prescriptive ☒ Performance ☐ Energy Cost Budget

Roof/ceiling Assembly (each assembly)
Description of assembly :**Pre-engineered wood roof trusses w/ TPO over 5/8" roof sheathing**
U-Value of total assembly 0.026
R-Value of insulation 38 spray foam at underside of roof sheathing
Skylights in each assembly
U-Value of skylight : N/A
Total square footage of skylights in each assembly : N/A

Exterior Walls (each assembly)
Description of assembly : **2X6 WOOD STUD WALL W/ 5/8" GYPSUM BOARD, EXTERIOR SHEATHING AND CLADDING**
U-Value of total assembly: 0.05
R-Value of insulation: 20 cavity
Openings (windows or doors with glazing)
U-Factor: = 0.65
Solar Heat Gain Coefficient: 0.33
Projection factor: N/A
Low-e required, if applicable: N/A
Door R-Values: 1.10

Walls adjacent to unconditioned space (each assembly)
Description of assembly : **N/A**
U-Value of total assembly N/A
R-Value of insulation N/A
Openings (windows or doors with glazing)
U-Value of assembly N/A
Low-e required, if applicable N/A
Door R-Values N/A

Walls below grade (each assembly)
Description of assembly: **N/A**
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors slab on grade (each assembly)
Description of assembly: **4" concrete slab on vapor barrier over 4" compacted stone base on 95% compacted fill**
U-Value of total assembly: 0.1
R-Value of insulation: NR
Horizontal/Vertical requirement: N/A
Slab heated: No

Project name: Union 198

Minimum Plumbing Fixture Calculations for Pools

NCBC Plumbing Fixture Calculation

Pool Deck Area:	5,585 sqft
Deck Occ Load:	372 (15 sf per occupant 5' or less, 24 sf per occupant for over 5')
Pool Area:	1,902 sqft
Pool Occ Load:	38 (50 sf/occ.)
Total Occupants:	410

Travel reduction for fixtures	
Total units on site:	288
Total units within 500' radius:	256
Percentage reduction:	0.89
Occupant load:	410
Occupant load reduction:	46

Male:	23	Male WC:	0.18	Male Lav:	0.12
Female:	23	Female WC:	0.35	Female Lav:	0.12
		D. Fount:	1 (min 1)		

NC Pool Code Plumbing Fixture Calculation

Male:	63	Male Urinal:	1		
Female:	63	Male WC:	1	Male Lav:	1
		Female WC:	2	Female Lav:	2
		D. Fount:	1 (min 1)		
Showers:	1				

FINAL NUMBER BASED ON WORST CASE OF THE TWO DESIGN CASES

Male WC:	1	Male Lav:	1
Female WC:	2	Female Lav:	2

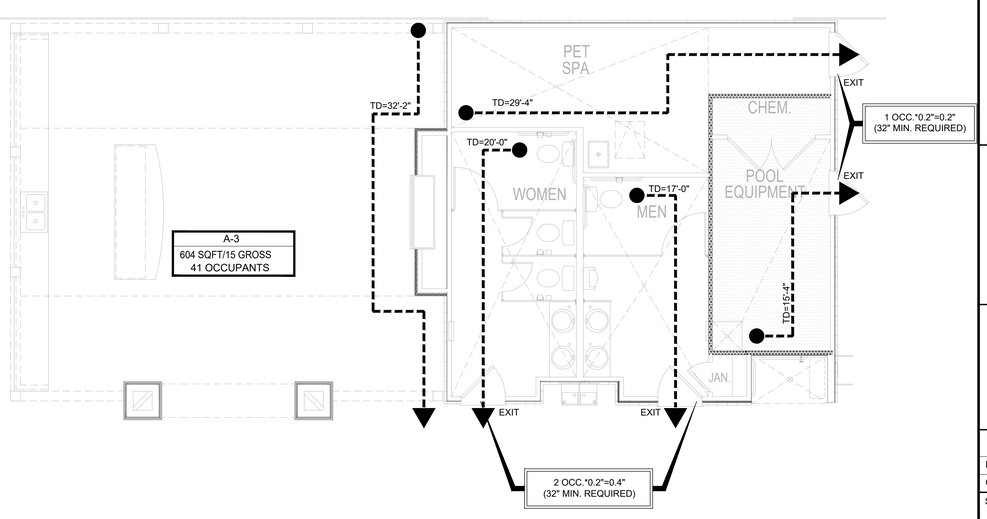
NC Pool Rules (MALE): One water closet, one lavatory, and one urinal shall be provided for the first 100 male users. One additional water closet, lavatory, and urinal shall be provided for each additional 200 male users up to a total of 500 users. Where user load exceeds 500 male users, two additional water closets or urinals and one lavatory shall be provided for each additional 250 male users. Where the maximum bather load includes less than 50 users, one water closet and one lavatory will be sufficient.

Note: Urinals may be substituted for water closets; however, substitution rule of section 419 of the NC plumbing code shall be used in which up to 67 percent of the requried water closets may be urinals in assembly occupancies

NC Pool Rules (FEMALE): Two water closets and two lavatories shall be provided for the first 100 female users. One additional water closet and lavatoryl shall be provided for each additional 100 female users up to a total of 500 users. Where user load exceeds 500 female users, two additional water closets and one lavatory shall be provided for each additional 250 female users. Where the maximum bather load includes less than 50 users, one water closet and one lavatory will be sufficient.

Showers: 1 per 200 occupants

RATED WALL PLAN LEGEND
= 1 HOUR RATED WALL DESIGNATION SEE CHART FOR DESCRIPTION OF UL WALL SYSTEM.
= 1 HOUR RATED CEILING DESIGNATION



POOLHOUSE LIFE SAFETY PLAN
SCALE: NTS
1

PLANWORX ARCHITECTURE
5711 SIX FORKS ROAD, SUITE 100
RALEIGH NC 27609
website www.planworx.com

PLANWORX ARCHITECTURE P.A. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. C-0909 N.C. RALEIGH, NC
PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida

PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
-			

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Pool House
Appendix B Summary

SHEET NUMBER:
A0.13

1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes.
2. Contractor is to notify architect immediately of conditions or items varying from depicted information.
3. Planworx Architecture, P.A. is not responsible for constructed variations from the information depicted.
4. Planworx Architecture, P.A. will not assume any liability for expenses associated with errors and omissions on these drawings unless offset by verified construction savings as a result of Planworx Architecture, P.A. Design.
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BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2.)

Name of Project: Goat Farm – Maintenance Building
Address: College Pkwy & Southpointe Blvd., Fort Meyers, FL 33919 Suite #:
Owner or Authorized Agent: Zimmer Development Company Phone: 910-294-8215 x 215
Email: spencerpeterson@zdc.com Fax: 910-762-1999
Owned By: ☒ Privately ☐ City/County ☐ State
Code Enforcement Jurisdiction: ☒ City ☐ County ☐ City/County
Name of Jurisdiction: Fort Meyers, Florida

PROJECT SUMMARY:
Building Description: 1-story wood framed maintenance building / car wash station

Scope of Work: Construction of new 1-story maintenance building / car wash station

Code Compliance Summary:
2020 FLORIDA BUILDING CODE (7TH EDITION)
FLORIDA FIRE PREVENTION CODE 7th EDITION 2020
2017 NATIONAL ELECTRICAL CODE (NFPA 70)
2020 FLORIDA MECHANICAL CODE
2020 FLORIDA PLUMBING CODE
2020 FLORDIA ENERGY CONSERVATION CODE
2020 FLORIDA ACCESSIBILITY CODE

Alternative Means of Compliance Request:

Lead Design Professional/Project Coordinator: Marc W. Mills (Planworx Architecture, P A)

DESIGNER	FIRM	NAME	LICENSE	TELEPHONE
Architectural:	Planworx Architecture, P.A.	Marc W. Mills	AR01507	919-846-8100
Civil:	Ensite, Inc.	Jason E. Tomassetti	66263	239-226-0024
Electrical:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Fire Alarm:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Plumbing:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Mechanical:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Sprinkler-Standpipe:				
Structural:	Woods Engineering	Adam Sisk	86896	(910) 343-8007
Precast:	n/a			
Trusses:	by contractor			
Retaining Walls >5' High:				
Other:	n/a			

New Building: ☒ New Building ☐ Shell Building ☐ First Time Interior Completion
☐ Addition ☐ Alteration to Shell

Existing Building: ☐ Renovation ☐ Interior Completion ☐ Tenant Alteration
☐ Reconstruction ☐ Repair ☐ Alteration to Shell
☐ Change of Use Tenant Space ☐ Change of Occupancy
Note: Zoning Review May Be Required for Change of Use or Occupancy

Original Occupancy:
Proposed Occupancy:

OCCUPANCY INFORMATION

Primary Occupancies: Assembly: ☐ A-1 ☐ A-2 ☐ A-3 ☐ A -4 ☐ A-5
☐ Business ☐ Educational Factory-Industrial: ☐ F-1 ☐ F-2
High-Hazard: ☐ H-1 ☐ H-2 ☐ H-3 ☐ H-4 ☐ H-5
Institutional: ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 USE CONDITION: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ Mercantile Residential: ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage: ☐ S-1 ☐ S-2 ☐ High-piled
S-1 SPECIAL CONDITION: ☐ Repair Garage (406.8)
S-2 SPECIAL CONDITION – Parking Garage: ☐ Open (406.5) ☐ Enclosed (406.6)
☒ Utility and Miscellaneous

Other Uses:
Accessory Uses (Indicate Percentages):
Incidental Uses:

Special Occupancies: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421

Mixed Occupancy: ☒ No ☐ Yes Separation:
Exception:
☐ Non-Separated Mixed Occupancy (508.3)
☐ Separated Mixed Occupancy (508.4)

$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$

ALLOWABLE AREA AND HEIGHT CALCULATIONS
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETIONS

EXTERIOR WALL	ACTUAL LENGTH		OPEN LENGTH		WIDTH OF PUBLIC WAY OR OPEN SPACE	
North	36'		36'		30'	
South	36'		36'		30'	
East	18'-8"		18'-8"		30'	
West	18'-8"		18'-8"		30'	
Total	**109'-4"**	**P**	**109'-4"**	**F**	**30'**	**W**

INCREASE FRONTAGE 75 %
SPRINKLERS N/A%

FRONTAGE INCREASE FORMULA ALOWABLE AREA FORMULA

$I_F = 100*(F - 0.25)\frac{W}{30}$ $I_F = 100*((X3)-0.25)*30/30$ $I_F = 100*(x-0.25)+1$ $I_F = x$

BOTH BUILDING AND TENANT MUST BE INDICATED ON CHART BELOW

FIRE AREA	STORY NO.	OCCUPANCY	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 507 AREA	(C) % OPEN SPACE INCREASE	(D) % SPRINKLER INCREASE[1]	(E) ALLOWABLE FLOOR AREA OR UNLIMITED[2]	RATIO OF ACTUAL /ALLOWABLE	(F) MAXIMUM BUILDING AREA[3]	SEPARATION RATING REQUIRED
1	1	U	672	5,500	75%	N/A	9,625	0.07	9,625	N/A
	2	-	-							
	3	-	-							
	4	-	-							
2	1	-	-	-	-	-	-	-	-	-
	2	-	-					-		
	3	-	-					-		
	4	-	-					-		

[1] Open space area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (P)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = (W)
e. Percent of frontage increase $I_F = 100 [F/P - 0.25]$ x W/30 =
[2] The sprinkler increase per Section 506.3 is as follows:
a. Multistory building I_S = 200 percent
b. Single story building I_S = 300 percent
[3] Unlimited area applicable under conditions of Sections Group B, F, M, S, A-4 (507.1, 507.2, 507.3, 507.4, 507.7);
Group A motion picture (507.11); Malls (507.12); and H-2 aircraft paint hangers (507.9).
[4] Maximum Building Area = total number of stories in the building x E but not greater than 3 x E.
[5] The maximum area of parking garages must comply with 406.3.1. The maximum area of air traffic control towers must comply with 412.3.1.

ALLOWABLE HEIGHT

MOST RESTRICTIVE USE (GROUP)	ALLOWABLE HEIGHT (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type V-B		Type V-B	Table 601
Building Height in Feet	H = 40 ft	n/a	H = 15 ft	Table 503
Building Height in Stories	S = 1	n/a	S = 4	Table 503

BUILDING DATA
THIS SECTION REQUIRED FOR ALL PROJECTS

Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV-HT ☒ V-A ☐ V-B
Mixed construction: ☒ No ☐ Yes Types
Sprinklers: ☐ No ☒ Yes ☐ NFPA 13 ☒ NFPA 13R ☐ Partially Sprinklered ☐ Special Suppression

Note: Dry Stem sidewall sprinklers to be installed at patio/balcony areas (typical all locations).

Standpipes: ☐ No ☒ Yes Class: ☒ I ☐ II ☐ III ☐ Wet ☒ Dry
Fire District: ☒ No ☐ Yes (Appendix D) ☐ Flood Hazard
Building Height: 47.58 Feet 4 Story
Basement: ☒ No ☐ Yes
Mezzanine: ☒ No ☐ Yes
High Rise: ☒ No ☐ Yes Life Safety Plan Sheet # (if provided): A0.11-A0.14

Gross Building Area:

FLOOR	FIRE AREA 1 (SQ FT)	FIRE AREA 2 (SQ FT)	FIRE AREA 3 (SQ FT)
6th Floor	-	-	-
5th Floor	-	-	-
4th Floor	-	-	-
3rd Floor	-	-	-
2nd Floor	-	-	-
Mezzanine		-	-
1st Floor	672	-	-
Basement	-	-	-
TOTAL	672	-	-

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ _____* REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North	>30'	0	0	n/a	n/a		
East	>30'	0	0	n/a	n/a		
West	>30'	0	0	n/a	n/a		
South	>30'	0	0	n/a	n/a		
Interior		0	0	n/a	n/a		
Nonbearing Walls and Partitions							
Exterior walls							
North	>30'	0	0	n/a	n/a		
East	>30'	0	0	n/a	n/a		
West	>30'	0	0	n/a	n/a		
South	>30'	0	0	n/a	n/a		
Interior walls and partitions		0	0	n/a	n/a		
Floor Construction Including supporting beams and joists		0	0	n/a	n/a		
Roof Construction		0	0	n/a	n/a		
Shaft Enclosures - Exit		n/a	n/a	n/a	n/a		
Shaft Enclosures - Elevator		n/a	n/a	n/a	n/a		
Corridor Separation (Breezeway)		n/a	n/a	n/a	n/a		
Occupancy Separation		0	0	n/a	n/a		
Party/Fire Wall Separation		n/a	n/a	n/a	n/a		
Smoke Barrier Separation		0	0	n/a	n/a		
Tenant Separation (Dwelling Units)		n/a	n/a	n/a	n/a		
Insidental Use Separation		0	0	n/a	n/a		

* Indicate section number permitting reduction

** **RATED JOINTS:**
1. SEE SHEET A0.23 FOR UL HW-S-0090 (U300 TO L500 JOINT SYSTEM)
2. SEE SHEETS A0.24-A0.26 FOR HILTI ENGINEERING JUDGMENTS AT RATED JOINTS

PERCENTAGE OF WALL OPENING CALCULATIONS
THIS SECTION FOR ADDITIONS, NEW AND CHANGE OF USE

Allowable openings per Table 705.8
Using worst case scenario (Site Building #1):
North = 30' or greater; No Limit
South = 30' or greater; No Limit
East = 30' or greater; No Limit
West = 30' or greater; No Limit

WALL LEGENDS
THIS SECTION REQUIRED FOR ALL PROJECTS

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATE BY A **WALL LEGEND** ON ALL PLANS
☐ Fire Partitions 708 ☐ Fire Walls 706 ☐ Fire Barriers 707 ☐ Smoke Partitions 710
☐ Smoke Barriers 709 ☐ Shaft Enclosure 713

LIFE SAFETY SYSTEM REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☐ No ☒ Yes
Smoke Detection Systems: ☐ No ☒ Yes
Panic Hardware: ☐ No ☒ Yes

EXIT REQUIREMENTS
NUMBER AND ARRANGEMENT OF EXITS
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	FLOOR, ROOM AND/OR SPACE DESIGNATION	MINIMUM[2] NUMBER OF EXITS REQUIRED	MINIMUM[2] NUMBER OF EXITS SHOWN ON PLANS	TRAVEL DISTANCE ALLOWABLE TRAVEL DISTANCE (TABLE 1017.2)	TRAVEL DISTANCE ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	ARRANGEMENT MEANS OF EGRESS[3,4] (SECTION 1015.2) REQUIRED DISTANCE BETWEEN EXIT DOORS	ARRANGEMENT MEANS OF EGRESS[3,4] (SECTION 1015.2) ACTUAL DISTANCE SHOWN ON PLANS
1	FLOOR 1	1	1	300'-0"	30'-0"	N/A	N/A

[1] Corridor dead ends (Section 1018.4)
[2] Single exits (Section 1015.1; Section 1021.2)
[3] Common Path of Egress Travel (Section 1014.3)

OCCUPANT LOAD AND EXIT WIDTH
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	USE GROUP AND/OR SPACE	(a) AREA[1] SQ. FT.	(b)	(a÷b)	(c)	EXIT WIDTH (in)[2,3,4,5]	
			AREA[1] PER OCCUPANT (SECTION	NUMBER OF OCCUPANTS	EGRESS WIDTH PER OCCUPANT (SECTION	REQUIRED WIDTH (SECTION 1005.1) (a÷b) x	ACTUAL WIDTH SHOWN ON PLANS
						STAIR LEVEL	STAIR LEVEL
1	FLOOR 1	672	100	7	0.3 0.2	44" 32"	N/A 34"
	Total # of Occupants			7			

[1] See Table 1004.1.2 to determine whether net or gross area is applicable.
[2] Minimum stairway width (Section 1009.1); min. corridor width (Section 1018.2); min. door width (Section 1008.1.1)
[3] Minimum width of exit passageway (Section 1021.2)
[4] The loss of 1 means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
[5] Assembly occupancies (Section 1025)

ASSEMBLY OCCUPANCY INFORMATION
THIS SECTION FOR ASSEMBLY USE AREA(S)

Space Description	Area - SF	Occupant Load Factor	Occupant Load	Exit Width	Exit Quantity

TOTAL

PLUMBING FIXTURE REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS
SEE PLUMBING SHEETS

OCCUPANCY	WATERCLOSETS MALE	WATERCLOSETS FEMALE	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
Total Required	One per dwelling unit							
Total Provided	At least one per dwelling unit							

BUILDING DRAIN SIZE	NUMBER OF BUILDING DRAINS	TOTAL FIXTURE UNIT LOAD	WATER SERVICE SIZE	NUMBER OF WATER SERVICES	TOTAL FIXTURE UNIT LOAD	NOTES

ENERGY SUMMARY
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETION

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If energy cost budget method, state the annual energy cost budget vs allowable annual energy cost budget.

THERMAL ENVELOPE (Fort Meyers, FL - Climate Zone 1A – Lee County)

Method of Compliance:
☐ Prescriptive ☒ Performance ☐ Energy Cost Budget

Roof/ceiling Assembly (each assembly)
Description of assembly **:Pre-engineered wood roof trusses w/ TPO over 5/8" roof sheathing**
U-Value of total assembly 0.026
R-Value of insulation 38 spray foam at underside of roof sheathing
Skylights in each assembly
U-Value of skylight : N/A
Total square footage of skylights in each assembly : N/A

Exterior Walls (each assembly)
Description of assembly **: 2X6 WOOD STUD WALL W/ 5/8" GYPSUM BOARD, EXTERIOR SHEATHING AND CLADDING**
U-Value of total assembly: 0.05
R-Value of insulation: 20 cavity
Openings (windows or doors with glazing)
U-Factor: = 0.65
Solar Heat Gain Coefficient: 0.33
Projection factor: N/A
Low-e required, if applicable: N/A
Door R-Values: 1.10

Walls adjacent to unconditioned space (each assembly)
Description of assembly **: N/A**
U-Value of total assembly N/A
R-Value of insulation N/A
Openings (windows or doors with glazing)
U-Value of assembly N/A
Low-e required, if applicable N/A
Door R-Values N/A

Walls below grade (each assembly)
Description of assembly: **N/A**
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors slab on grade (each assembly)
Description of assembly: **4" concrete slab on vapor barrier over 4" compacted stone base on 95% compacted fill**
U-Value of total assembly: 0.1
R-Value of insulation: NR
Horizontal/Vertical requirement: N/A
Slab heated: No

1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes.
2. Contractor is to notify architect immediately of conditions or items varying from depicted information.
3. Planworx Architecture, P.A. is not responsible for constructed variations from the information depicted.
4. Planworx Architecture, P.A. will not assume any liability for expenses associated with errors and omissions on these drawings unless offset by verified construction savings as a result of Planworx Architecture, P.A. Design.
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PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida

REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION

PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Maintenance Building
Appenidx B Summary

SHEET NUMBER:
A0.14

BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2.)

Name of Project: Goat Farm – Compactor Enclosure
Address: College Pkwy & Southpointe Blvd., Fort Meyers, FL 33919 Suite #:
Owner or Authorized Agent: Zimmer Development Company Phone: 910-294-8215 x 215
Email: spencerpeterson@zdc.com Fax: 910-762-1999
Owned By: ☒ Privately ☐ City/County ☐ State
Code Enforcement Jurisdiction: ☒ City ☐ County ☐ City/County
Name of Jurisdiction: Fort Meyers, Florida

PROJECT SUMMARY:
Building Description: 4-story wood framed apartment building containing 75 units

Scope of Work: Construction of new 4-story apartment building

Code Compliance Summary:
2017 FLORIDA BUILDING CODE
FLORIDA FIRE PREVENTION CODE 6th EDITION
2014 NATIONAL ELECTRICAL CODE
2017 FLORIDA MECHANICAL CODE
2017 FLORIDA PLUMBING CODE
2017 FLORDIA ENERGY CONSERVATION CODE
2017 FLORIDA ACCESSIBILITY CODE

Alternative Means of Compliance Request:

Lead Design Professional/Project Coordinator: Marc W. Mills (Planworx Architecture, P.A.)

DESIGNER	FIRM	NAME	LICENSE	TELEPHONE
Architectural:	Planworx Architecture, P.A.	Marc W. Mills	AR91507	919-846-8100
Civil:	Ensite, Inc.	Jason E. Tomassetti	66263	239-226-0024
Electrical:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Fire Alarm:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Plumbing:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Mechanical:	Maple Engineering	Zack L. Tomlin	79002	919-341-4247
Sprinkler-Standpipe:				
Structural:	Woods Engineering	Adam Sisk	86896	(910) 343-8007
Precast:	n/a			
Trusses:	by contractor			
Retaining Walls >5' High:				
Other:	n/a			

New Building: ☒ New Building ☐ Shell Building ☐ First Time Interior Completion
☐ Addition ☐ Alteration to Shell

Existing Building: ☐ Renovation ☐ Interior Completion ☐ Tenant Alteration
☐ Reconstruction ☐ Repair ☐ Alteration to Shell
☐ Change of Use Tenant Space ☐ Change of Occupancy
Note: Zoning Review May Be Required for Change of Use or Occupancy

Original Occupancy:
Proposed Occupancy:

OCCUPANCY INFORMATION

Primary Occupancies: Assembly: ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
☐ Business ☐ Educational Factory-Industrial: ☐ F-1 ☐ F-2
High-Hazard: ☐ H-1 ☐ H-2 ☐ H-3 ☐ H-4 ☐ H-5
Institutional: ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 USE CONDITION: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ Mercantile Residential: ☐ R-1 ☒ R-2 ☐ R-3 ☐ R-4
Storage: ☐ S-1 ☐ S-2 ☐ High-piled
S-1 SPECIAL CONDITION: ☐ Repair Garage (406.8)
S-2 SPECIAL CONDITION – Parking Garage: ☐ Open (406.5) ☐ Enclosed (406.6)
☐ Utility and Miscellaneous

Other Uses:
Accessory Uses (Indicate Percentages):
Incidental Uses:

Special Occupancies: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☒ 420 ☐ 421

Mixed Occupancy: ☒ No ☐ Yes Separation:
Exception:
☐ Non-Separated Mixed Occupancy (508.3)
☐ Separated Mixed Occupancy (508.4)

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

ALLOWABLE AREA AND HEIGHT CALCULATIONS
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETIONS

EXTERIOR WALL	ACTUAL LENGTH		OPEN LENGTH		WIDTH OF PUBLIC WAY OR OPEN SPACE	
North	306'		306'		30'	
South	306'		306'		30'	
East	194'		194'		30'	
West	194'		0'		30'	
Total	**1000'**	**P**	**806'**	**F**	**30'**	**W**

INCREASE FRONTAGE 55 %
SPRINKLERS N/A %

FRONTAGE INCREASE FORMULA ALOWABLE AREA FORMULA

$I_f = 100*(\frac{F}{P} - 0.25)\frac{W}{30}$ $I_f = (100*(X/3)-0.25)*30/30$ $I_f = 100*(x-0.25)*1$ $I_f = x$

BOTH BUILDING AND TENANT MUST BE INDICATED ON CHART BELOW

FIRE AREA	STORY NO.	OCCUPANCY	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503[1] AREA	(C) % OPEN SPACE INCREASE	(D) % UNLIMITED INCREASE[2]	(E) ALLOWABLE FLOOR AREA OR UNLIMITED[3]	RATIO OF ACTUAL: ALLOWABLE	(F) MAXIMUM BUILDING AREA[4]	SEPARATION RATING REQUIRED
1	1	R-2	15,396	12,000	55%	N/A	18,600	0.827	74,400	N/A
	2	R-2	15,396					0.827		
	3	R-2	15,396					0.827		
	4	R-2	15,396					0.827		
2	1	R-2	16,713	12,000	55%	N/A	18,600	0.898	74,400	N/A
	2	R-2	16,713					0.898		
	3	R-2	16,713					0.898		
	4	R-2	16,713					0.898		

[1] Open space area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (P)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = (W)
e. Percent of frontage increase $I_f = 100 [F/P - 0.25] x\ W/30$ =
[2] The sprinkler increase per Section 506.3 is as follows:
a. Multistory building I_s = 200 percent
b. Single story building I_s = 300 percent
[3] Unlimited area applicable under conditions of Sections Group B, F, M, S, A-4 (507.1, 507.2, 507.3, 507.4, 507.7);
Group A motion picture (507.11); Malls (507.12); and H-2 aircraft paint hangers (507.9).
[4] Maximum Building Area = total number of stories in the building x E but not greater than 3 x E.
[5] The maximum area of parking garages must comply with 406.3.1. The maximum area of air traffic control towers must comply with 412.3.1.

ALLOWABLE HEIGHT

MOST RESTRICTIVE USE (GROUP ___)	ALLOWABLE HEIGHT (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type V-A		Type V-A	Table 601
Building Height in Feet	H = 60 ft	H + 20 ft = **80 ft**	H = 49'-7"	Table 503
Building Height in Stories	S = 3	S + 1 = 4	S = 4	Table 503

BUILDING DATA
THIS SECTION REQUIRED FOR ALL PROJECTS

Construction Type: ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV-HT ☒ V-A ☐ V-B
Mixed construction: ☒ No ☐ Yes Types
Sprinklers: ☐ No ☒ Yes ☐ NFPA 13 ☒ NFPA 13R ☐ Partially Sprinklered ☐ Special Suppression

Note: Dry Stem sidewall sprinklers to be installed at patio/balcony areas (typical all locations).

Standpipes: ☐ No ☒ Yes Class: ☒ I ☐ II ☐ III ☐ Wet ☒ Dry
Fire District: ☒ No ☐ Yes (Appendix D) ☐ Flood Hazard
Building Height: 47.58 Feet 4 Story
Basement: ☒ No ☐ Yes
Mezzanine: ☒ No ☐ Yes
High Rise: ☒ No ☐ Yes Life Safety Plan Sheet # (if provided): A0.11-A0.14

Gross Building Area:

FLOOR	FIRE AREA 1 (SQ FT)	FIRE AREA 2 (SQ FT)	FIRE AREA 3 (SQ FT)
6th Floor	-	-	-
5th Floor	-	-	-
4th Floor	15,396	16,713	-
3rd Floor	15,396	16,713	-
2nd Floor	15,396	16,713	-
Mezzanine	-	-	-
1st Floor	15,396	16,713	-
Basement	-	-	-
TOTAL	61,584	66,852	-

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING PROVIDED (W/_____* REDUCTION) REQ'D	RATING PROVIDED (W/_____* REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	** DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North	>30'	1	1	1/A0.22	U356		
East	>30'	1	1	1/A0.22	U356		
West	>30'	1	1	1/A0.22	U356		
South	10'< x <30'	1	1	1/A0.22	U356		
Interior		1	1	1/A0.20	U305		
Nonbearing Walls and Partitions							
Exterior walls							
North	>30'	0	0	n/a	n/a		
East	>30'	0	0	n/a	n/a		
West	>30'	0	0	n/a	n/a		
South	>30'	0	0	n/a	n/a		
Interior walls and partitions		0	0	n/a	n/a		
Floor Construction Including supporting beams and joists		1	1	1/A0.21	L521		
Roof Construction		1	1	3/A0.22	P522		
Shaft Enclosures - Exit		0	0	n/a	n/a		
Shaft Enclosures - Elevator		2 2	2 2	2/A0.23 3/A0.21	U905 AER-09038		
Corridor Separation (Breezeway)		1	1	2/A0.20	GA-WP0105		
Occupancy Separation		0	0	n/a	n/a		
Party/Fire Wall Separation		2	2	3/A0.23	U366		
Smoke Barrier Separation		0	0	n/a	n/a		
Tenant Separation (Dwelling Units)		1	1	2/A0.22	U341		
Incidental Use Separation		0	0	n/a	n/a		

* Indicate section number permitting reduction
** **RATED JOINTS:**
1. SEE SHEET A0.23 FOR UL HW-S-0090 (U300 TO L500 JOINT SYSTEM)
2. SEE SHEETS A0.24-A0.26 FOR HILTI ENGINEERING JUDGMENTS AT RATED JOINTS

PERCENTAGE OF WALL OPENING CALCULATIONS
THIS SECTION FOR ADDITIONS, NEW AND CHANGE OF USE

Allowable openings per Table 705.8
Using worst case scenario (Site Building #1):
North = 30' or greater; No Limit
South = 30' or greater; No Limit
East = 30' or greater; No Limit
West = 20' to less than 25'; 45% allowable openings; XXXX provided

WALL LEGENDS
THIS SECTION REQUIRED FOR ALL PROJECTS

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATE BY A **WALL LEGEND** ON ALL PLANS
☒ Fire Partitions 708 ☒ Fire Walls 706 ☒ Fire Barriers 707 ☐ Smoke Partitions 710
☐ Smoke Barriers 709 ☒ Shaft Enclosure 713

LIFE SAFETY SYSTEM REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

Emergency Lighting:	☐ No	☒ Yes
Exit Signs:	☐ No	☒ Yes
Fire Alarm:	☐ No	☒ Yes
Smoke Detection Systems:	☐ No	☒ Yes
Panic Hardware:	☐ No	☒ Yes

EXIT REQUIREMENTS
NUMBER AND ARRANGEMENT OF EXITS
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	FLOOR, ROOM AND/OR SPACE DESIGNATION	MINIMUM[1] NUMBER OF EXITS REQUIRED	MINIMUM[1] NUMBER OF EXITS SHOWN ON PLANS	TRAVEL DISTANCE ALLOWABLE TRAVEL DISTANCE (TABLE 1015.1)	TRAVEL DISTANCE ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	ARRANGEMENT MEANS OF EGRESS[2,3] (SECTION 1015.2) REQUIRED DISTANCE BETWEEN EXIT DOORS	ARRANGEMENT MEANS OF EGRESS[2,3] (SECTION 1015.2) ACTUAL DISTANCE SHOWN ON PLANS
1	FLOOR 1	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 2	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 3	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 4	2	2	250'-0"	X'-X"	X'-X"	X'-X"
2	FLOOR 1	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 2	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 3	2	2	250'-0"	X'-X"	X'-X"	X'-X"
	FLOOR 4	2	2	250'-0"	X'-X"	X'-X"	X'-X"

[1] Corridor dead ends (Section 1018.4)
[2] Single exits (Section 1015.1; Section 1021.2)
[3] Common Path of Egress Travel (Section 1014.3)

OCCUPANT LOAD AND EXIT WIDTH
THIS SECTION REQUIRED FOR ALL PROJECTS

FIRE AREA	USE GROUP AND/OR SPACE	(a) AREA[1] SQ. FT.	(b) AREA[1] PER OCCUPANT	(a/b) NUMBER OF OCCUPANTS	(c) EGRESS WIDTH PER OCCUPANT (SECTION 1005.1)	EXIT WIDTH (in)[2,3,4,5] REQUIRED WIDTH (SECTION 1005.1) (a/b) x (c) STAIR	EXIT WIDTH (in)[2,3,4,5] REQUIRED WIDTH (SECTION 1005.1) (a/b) x (c) LEVEL	EXIT WIDTH (in)[2,3,4,5] ACTUAL WIDTH SHOWN ON PLANS STAIR	EXIT WIDTH (in)[2,3,4,5] ACTUAL WIDTH SHOWN ON PLANS LEVEL
1	FLOOR 1	15,396	200	77	0.3	0.2	44"	32"	N/A	34"
	FLOOR 2	15,396	200	77	0.3	0.2	44"	32"	48"	34"
	FLOOR 3	15,396	200	77	0.3	0.2	44"	32"	48"	34"
	FLOOR 4	15,396	200	77	0.3	0.2	44"	32"	48"	34"
	Total # of Occupants			**308**					
2	FLOOR 1	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	FLOOR 2	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	FLOOR 3	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	FLOOR 4	16,713	200	84	0.3	0.2	44"	32"	48"	34"
	Total # of Occupants			**336**					

[1] See Table 1004.1.2 to determine whether net or gross area is applicable.
[2] Minimum stairway width (Section 1009.1); min. corridor width (Section 1018.2); min. door width (Section 1008.1.1)
[3] Minimum width of exit passageway (Section 1021.2)
[4] The loss of 1 means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
[5] Assembly occupancies (Section 1025)

ASSEMBLY OCCUPANCY INFORMATION
THIS SECTION FOR ASSEMBLY USE AREA(S)

Space Description	Area - SF	Occupant Load Factor	Occupant Load	Exit Width	Exit Quantity

TOTAL

PLUMBING FIXTURE REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS
SEE PLUMBING SHEETS

OCCUPANCY	WATERCLOSETS MALE	WATERCLOSETS FEMALE	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
Total Required	One per dwelling unit							
Total Provided	At least one per dwelling unit							

BUILDING DRAIN SIZE	NUMBER OF BUILDING DRAINS	TOTAL FIXTURE UNIT LOAD	WATER SERVICE SIZE	NUMBER OF WATER SERVICES	TOTAL FIXTURE UNIT LOAD	NOTES

ENERGY SUMMARY
THIS SECTION FOR NEW, ADDITION, CHANGE OF USE, AND INTERIOR COMPLETION

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If energy cost budget method, state the annual energy cost budget vs allowable annual energy cost budget.

THERMAL ENVELOPE (Fort Meyers, FL - Climate Zone 1A – Lee County)

Method of Compliance:
☐ Prescriptive ☒ Performance ☐ Energy Cost Budget

Roof/ceiling Assembly (each assembly)
Description of assembly :**Pre-engineered wood roof trusses w/ TPO over 5/8" roof sheathing**
U-Value of total assembly 0.053
R-Value of insulation 19 spray foam at underside of roof sheathing
Skylights in each assembly
U-Value of skylight : N/A
Total square footage of skylights in each assembly : N/A

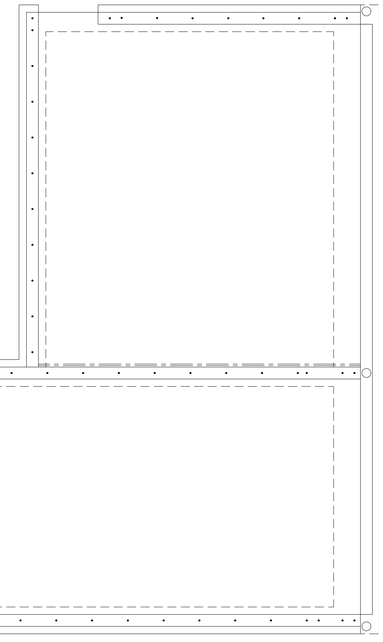
Exterior Walls (each assembly)
Description of assembly : **2X6 WOOD STUD WALL W/ 5/8" GYPSUM BOARD, EXTERIOR SHEATHING AND CLADDING**
U-Value of total assembly: 0.05
R-Value of insulation: 20 cavity
Openings (windows or doors with glazing)
U-Factor: = 0.65
Solar Heat Gain Coefficient: 0.33
Projection factor: N/A
Low-e required, if applicable: N/A
Door R-Vdues: 1.10

Walls adjacent to unconditioned space (each assembly)
Description of assembly : **N/A**
U-Value of total assembly N/A
R-Value of insulation N/A
Openings (windows or doors with glazing)
U-Value of assembly N/A
Low-e required, if applicable N/A
Door R-Values N/A

Walls below grade (each assembly)
Description of assembly: **N/A**
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors slab on grade (each assembly)
Description of assembly: **4" concrete slab on vapor barrier over 4" compacted stone base on 95% compacted fill**
U-Value of total assembly: 0.1
R-Value of insulation: NR
Horizontal/Vertical requirement: N/A
Slab heated: No



TRASH COMPACTOR ENCLOSURE LIFE SAFETY PLAN
SCALE: 1/4" = 1'-0"
1

1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes.
2. Contractor is to notify architect immediately of conditions or items varying from depicted information.
3. Planworx Architecture, P.A. is not responsible for constructed variations from the information depicted.
4. Planworx Architecture, P.A. will not assume any liability for expenses associated with errors and omissions on these drawings unless offset by verified construction savings as a result of Planworx Architecture, P.A. Design.
5. Planworx Architecture, P.A. retains ownership of all of designs depicted and implied herein.
6. Planworx Architecture, P.A. is not responsible for estimating, maintaining, or regulating construction costs associated with these plans.

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PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida

PROGRESS DATE:	11-24-21 (99% Set)	-	DESCRIPTION
ISSUE DATE:	-		INITIALS
			DATE
			REVISIONS NUMBER

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Compactor Enclosure
Appendix B & Life Safety Plan

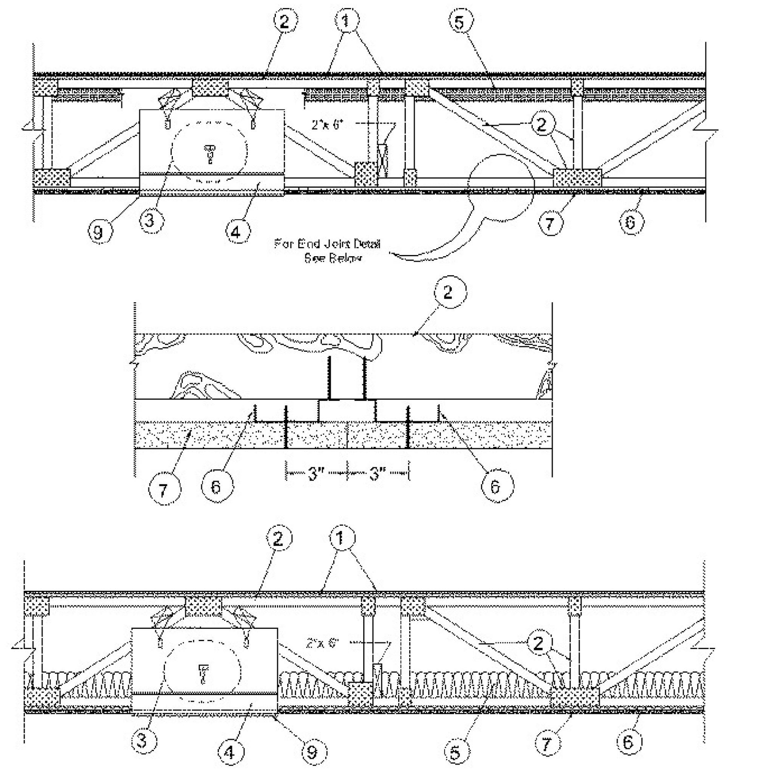
SHEET NUMBER:
A0.15

Design No. L521

June 11, 2021

Unrestrained Assembly Rating — 1 Hr
Finish Rating — 25 Min (See Items 5 and 5A), 20 Min (See Items 6H and 7A)
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 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), respectively.**



Alternate Insulation Placement

1. **Flooring System —** The flooring system shall consist of one of the following:

System No. 1

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Floor — Min 1 by 4 in. T & G lumber installed perpendicular to trusses, or min 15/32 in. thick wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.

System No. 2

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring* — Floor Topping Mixture — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1800 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

UNITED STATES GYPSUM CO — Types LRK, HSLRK, CSD

LATICRETE SUPERCAP L L C — Types LRK, HSLRK

USG MEXICO S A DE C V — Types LRK, HSLRK, CSD

Floor Mat Materials* — (Optional) — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.

UNITED STATES GYPSUM CO — Types SAM, LEVELROCK® Brand Sound Reduction Board, LEVELROCK® Brand Floor Underlayment SRM-25

Alternate Floor Mat Materials* — (Optional) — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding minimum thickness of floor topping over floor mat.
GRASSWORX L L C — SC Types

System No. 3 (For Use with Item 7A Only)

Finish Floor — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and 2-1/2 in. long nails, spaced 12 in. OC along each truss and 8 in. OC at the perimeter.

System No. 4

Structural Cement-Fiber Units* — Nom 3/4 in. thick, with long edges tongue and grooved. Long dimension of panels to be perpendicular to wood trusses with end joints staggered a min of 2 ft and centered over the trusses. Panels secured to wood trusses with 1-5/8 in. long, No. 8, self- countersinking wood screw spaced a max of 12 in. OC in the field with a screw located 1 in. and 2 in. from each edge, and 8 in. OC on the perimeter with a screw located 2 in. from each edge, located 1/2 in. from the end edges of the panel.
UNITED STATES GYPSUM CO — Types STRUCTO-CRETE, USGSP

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1800 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
UNITED STATES GYPSUM CO — Types LRK, HSLRK, CSD

LATICRETE SUPERCAP L L C — Types LRK, HSLRK

USG MEXICO S A DE C V — Types LRK, HSLRK, CSD

Floor Mat Materials* — (Optional) — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.
UNITED STATES GYPSUM CO — Types SAM, LEVELROCK® Brand Sound Reduction Board, LEVELROCK® Brand Floor Underlayment SRM-25

System No. 5

Structural Cement-Fiber Units* — Nom 3/4 in. thick, with long edges tongue and grooved. Long dimension of panels to be perpendicular to wood trusses with end joints staggered a min of 2 ft and centered over the trusses. Panels secured to wood trusses with 1-5/8 in. long, No. 8, self- countersinking wood screw spaced a max of 12 in. OC in the field with a screw located 1 in. and 2 in. from each edge, and 8 in. OC on the perimeter with a screw located 2 in. from each edge, located 1/2 in. from the end edges of the panel.
UNITED STATES GYPSUM CO — Types STRUCTO-CRETE, USGSP

System No. 6

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. **Vapor Barrier** — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt. **Floor Mat Materials* —** (Optional) — Floor mat material nom 1/8 in. (3 mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 3/4 in. (19 mm).
HACKER INDUSTRIES INC — FIRM-FILL SCM 125

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 1/4 in. (6 mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1 in. (25 mm).

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 3/8 in. (10 mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/4 in. (32 mm)
HACKER INDUSTRIES INC — FIRM-FILL SCM 400

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 3/4 in. (19 mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/2 in. (38 mm).
HACKER INDUSTRIES INC — Type FIRM-FILL SCM 750

Metal Lath (Optional) — (Optional) — For use with 3/8 in. (10 mm), or greater, floor mat materials, 3/8 in. expanded steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Hacker Floor Primer to be applied prior to the placement of the metal lath. When metal lath is used, floor topping thickness a nom 1 in. (25 mm) over the floor mat. **Finish Flooring — Floor Topping Mixture* —** Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1100 psi. Mixture shall consist of 6.8 gal of water to 80 lbs of floor topping mixture to 1.9 cu ft of sand.
HACKER INDUSTRIES INC — Firm-Fill Gypsum Concrete, Firm-Fill 2010, Firm-Fill 3310, Firm-Fill 4010, Gyp-Span Radiant

System No. 7

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. **Vapor Barrier —** (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt. **Finish Floor* — Mineral and Fiber Board —** Min 1/2 in. thick, supplied in sizes ranging from 3 ft by 4 ft to 8 ft by 12 ft.
HOMASOTE CO — Type 440-32 Mineral and Fiber Board

System No. 8

Subflooring —Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier —(Optional) - Nom 0.030 in. thick commercial asphalt saturated felt.

Floor Mat Materials* — (Optional) — Floor mat material nom 5/64 in. (2 mm) thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of floor-topping mixture. Floor topping thickness a min 1 in. over the floor mat.

HACKER INDUSTRIES INC — Type Hacker Sound-Mat

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 1/4 in. (6 mm) thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1-1/4 in. (32 mm) of floor-topping mixture.

HACKER INDUSTRIES INC — Type Hacker Sound-Mat II

Metal Lath (Optional) — For use with 3/8 in. (10 mm) floor mat materials, 3/8 in. expanded steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Hacker Floor Primer to be applied prior to the placement of the metal lath. When metal lath is used, floor topping thickness a nom 1-1/4 in. over the floor mat.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1100 psi. Mixture shall consist of 6.8 gal of water to 80 lbs of floor topping mixture to 1.9 cu ft of sand.

HACKER INDUSTRIES INC — Firm-Fill Gypsum Concrete, Firm-Fill High Strength, Gyp-Span Radiant

2. **Trusses —** Parallel chord trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally. Min truss depth is 12 in. when no **Ceiling Damper*** is used and 18 in. when a **Ceiling Damper*** is used. Truss members secured together with min 0.0356 in. thick galv steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approx. 7/8 in. centers with four rows of teeth per inch of plate width.

3. **Air Duct* —** Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer.

4. **Ceiling Damper* —** For use with min 18 in. deep trusses. Max nom area shall be 324 sq in. with the length not to exceed 24 in. and the width not to exceed 20 in. Max height of damper shall be 14 in. Aggregate damper openings shall not exceed 162 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper. A steel grille (Item 9) shall be installed in accordance with installation instructions.
C&S AIR PRODUCTS — Model RD-521

POTTORFF — Model CFD-521

4A. **Alternate Ceiling Damper* —** For use with min 18 in. deep trusses. Max nom area shall be 196 sq in. with the length not to exceed 26 in. and the width not to exceed 14 in. Max height of damper shall be 7 in. Aggregate damper openings shall not exceed 98 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper. A steel grille (Item 9) not to exceed 144 in.^{2} shall be installed in accordance with installation instructions.
C&S AIR PRODUCTS — Model RD-521-BT

POTTORFF — Model CFD-521-BT

4B. **Alternate Ceiling Damper* —** For use with min 18 in. deep trusses. Max nom area shall be 256 sq in. with the length not to exceed 24 in. and the width not to exceed 20 in. Max height of damper shall be 17 in. Aggregate damper openings shall not exceed 128 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper. A steel grille (Item 9) shall be installed in accordance with installation instructions.
C&S AIR PRODUCTS — Models RD-521-IP, RD-521-NP

POTTORFF — Models CFD-521-IP, CFD-521-NP

4C. **Alternate Ceiling Damper* —** For use with min 18 in. deep trusses. Max nom area shall be 144 sq in. with the length not to exceed 14 in. and the width not to exceed 12 in. Max height of damper shall be 17-7/8 in. Aggregate damper openings shall not exceed 74 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper. A steel grille (Item 9) shall be installed in accordance with installation instructions.
C&S AIR PRODUCTS — Models RD-521-90, RD-521-NP90

POTTORFF — Models CFD-521-90, CFD-521-90NP

4D. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly for use with min 18 in. deep trusses. Max nom area shall be 75 sq in. with the length not to exceed 8-9/16 in. and the width not to exceed 8-3/4 in. Max height of damper shall be 9-7/8 in. Aggregate damper openings shall not exceed 38 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille (Item 9) shall be installed in accordance with installation instructions.
DELTA ELECTRONICS INC — Models CRD2, GBR-CRD, ITG-CRD

4E. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly for use with min 18 in. deep trusses. Max nom area shall be 75 sq in. with the length not to exceed 9-1/4 in. and the width not to exceed 9-3/4 in. Max height of damper shall be 9-7/8 in. Aggregate damper openings shall not exceed 45 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille (Item 9) shall be installed in accordance with installation instructions.
DELTA ELECTRONICS INC — Model SIG-CRD

in. with the length not to exceed 11-1/16 in. and the width not to exceed 11-7/8 in. Aggregate damper openings shall not exceed 66 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille (Item 9) shall be installed in accordance with installation instructions.
DELTA ELECTRONICS INC — Model SMT-CRD

4G. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly for use with min 18 in. deep trusses. Max nom area shall be 103 sq in. with the length not to exceed 10-1/8 in. and the width not to exceed 10-1/8 in. Aggregate damper openings shall not exceed 52 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille (Item 9) shall be installed in accordance with installation instructions.
PANASONIC CORPORATION, PANASONIC CORPORATION OF NORTH AMERICA — Model PC-RD05C5

4H. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly for use with min 18 in. deep trusses. Max nom area shall be 113 sq in. with the length not to exceed 10-1/8 in. and the width not to exceed 11-1/8 in. Aggregate damper openings shall not exceed 57 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille (Item 9) shall be installed in accordance with installation instructions.
BROAN-NUTONE L L C — Model RDFUWT

4I. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly for use with min 18 in. deep trusses. Max nom area shall be 79 sq in. with the length not to exceed 10 in. and the width not to exceed 7-15/16 in. Aggregate damper openings shall not exceed 40 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A metallic grille (Item 9) shall be installed in accordance with installation instructions.
BROAN-NUTONE L L C — Models RDJ1 and RDH

4J. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly for use with min 18 in. deep trusses. Max nom area shall be 87 sq in. with the length not to exceed 9 in. and the width not to exceed 9-11/16 in. Aggregate damper openings shall not exceed 44 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille (Item 9) shall be installed in accordance with installation instructions.
BROAN-NUTONE L L C — Model RDMWT

4K. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly for use with min 18 in. deep trusses. Max nom area shall be 87 sq in. with the length not to exceed 9 in. and the width not to exceed 9-11/16 in. Aggregate damper openings shall not exceed 44 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille (Item 9) shall be installed in accordance with installation instructions.
BROAN-NUTONE L L C — Model RDMWT2

5. **Batts and Blankets* —** (Optional) — Glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. When the resilient channels (Item 6) or furring channels (Item 6A) are spaced 24 in. OC, no insulation shall be installed in the concealed space. When the resilient channels (Item 6) or furring channels (Item 6A) are spaced 16 in. OC, the insulation shall be a max of 3-1/2 in. thick, and shall be secured against the subflooring with staples at 12 in. OC or held suspended in the concealed space with 0.090 in. diam galv steel wires attached to the wood trusses at 12 in. OC. When the resilient channels (Item 6) or furring channels (Item 6A) are spaced a max of 12 in. OC or when the Steel Framing Members (Item 6B) are used, there is no limit in the overall thickness of insulation, and the insulation can be secured against the subflooring, held suspended in the concealed space or draped over the resilient or furring channels (or Steel Framing Members) and gypsum panel membrane. When **Steel Framing Members** (Item 6C) are used, max 3-1/2 in. thick insulation shall be draped over the furring channels (Item 6Ca) and gypsum board ceiling membrane, and friction-fitted between trusses and Steel Framing Members (Item 6Cd). The finished rating has only been determined when the insulation is secured to the subflooring.

5A. **Fiber, Sprayed* —** (Dry Dense Packed 100% Borate Formulation) — (Optional) — As an alternate to Item 5, When used, the

The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft^3, in accordance with the application instructions supplied with the product. When Item 5A (Fiber, Sprayed) is used, two layers of gypsum board required as described in Item 7. Not evaluated for use with Item 6B, 6C, 6G or 6H.
U S GREENFIBER L L C — INS735, INS745, INS750LD, INS765LD, INS773LD, & SANCTUARY to be used with dry application only.

5B. **Fiber, Sprayed* —** (Loose Fill 100% Borate Formulation) — (Optional) — As an alternate to Items 5 and 5A, The finished rating when Fiber, Sprayed is used has not been determined. The fiber is applied without water or adhesive at a minimum dry density of 0.5 lb/ft^3 and at a max thickness of 3-1/2 in., in accordance with the application instructions supplied with the product. Wire mesh (Item 10) shall be attached to the furring channels to facilitate installation of the material. When Item 5B (Fiber, Sprayed) is used, two layers of gypsum board required as described in Item 7. Not evaluated for use with Item 6B, 6C, 6D, 6E, 6F, 6G, 6H or 6I.
U S GREENFIBER L L C — INS735, INS745, INS750LD, INS765LD, INS773LD, & SANCTUARY to be used with dry application only.

5C. **Foamed Plastic* —** (As alternate to Item 5, 5A, or 5B, Not Shown) — Spray foam insulation applied directly to the underside of the plywood subflooring. Spray foam insulation installed to a maximum thickness of 10 in. at a nominal 0.5 lb/ft^3 density, while maintaining a minimum 8-1/2 in. clearance between the spray foam insulation and the gypsum board (Item 7). Spray foam insulation is limited for use with minimum 18 in. deep trusses (Item 2). When spray foam insulation is installed, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board (Item 7) spaced maximum 3 in. away from gypsum butt joints. Gypsum board (Item 7) to be installed using minimum 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 4 through 4K) in the concealed space, minimum 1 in. clearance to be maintained between damper housing and spray foam insulation. Not evaluated for use with Items 5 through 5B, or 6A through 6I.
SES FOAM INC — Sucraseal

5D. **Cavity Insulation - Batts and Blankets* or Fiber, Sprayed* —** (As described above in Items 5 through 5B) — (For Use with Item 7A, Not Shown) — Min. 3-1/2 in thick with no limit on maximum thickness fitted in the concealed space, draped over the resilient channel (Item 6H)/gypsum board (Item 7A) ceiling membrane.

5E. **Foamed Plastic* —** (As alternate to Item 5, 5A, or 5C, Not Shown) — Spray foam insulation applied directly to the underside of the plywood subflooring. Spray foam insulation installed to a maximum thickness of 10 in. at a nominal 0.5 lb/ft^3 or 2.0 lb/ft^3 density, depending on the product installed. Spray foam insulation is limited to use with minimum 18 in. deep trusses (Item 2). When spray foam insulation is installed, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board (Item 7) spaced maximum 3 in. away from gypsum butt joints. Gypsum board (Item 7) to be installed using minimum 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 4 through 4H) in the concealed space, minimum 1 in. clearance to be maintained between damper housing and spray foam insulation. Not evaluated for use with Items 5 through 5B, or 6A through 6I.
BASF CORP — Enertite® NM, Enertite® G, FE178®, Spraytite® 178, Spraytite® 81206, Walltite® 200, Walltite® US, Walltite® US-N, and Walltite® HP+

5F. **Foamed Plastic* — —** (As alternate to Item 5, 5A, 5B, 5C or 5E, Not Shown) — Spray foam insulation applied directly to the underside of the plywood subflooring. Spray foam insulation installed to a maximum thickness of 17 in. at a nominal 0.5 lb/ft^3 density, while maintaining a minimum 1-1/2 in. clearance between the spray foam insulation and the gypsum board (Item 7). Spray foam insulation is limited for use with minimum 18 in. deep trusses (Item 2). When spray foam insulation is installed, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board (Item 7) spaced maximum 3 in. away from gypsum butt joints. Gypsum board (Item 7) to be installed using minimum 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 4 through 4K) in the concealed space, no clearance is necessary between damper housing and spray foam insulation. Not evaluated for use with Items 5 through 5B, or 6A through 6I.
SES FOAM INC — EasySeal.5

5G. **Foamed Plastic* —** (As alternate to Item 5 - not to be used in combination with any alternates to item 5) — Spray foam insulation applied directly to the underside of the plywood subflooring. Spray foam insulation installed to a maximum thickness of 11 in. at a nominal 0.5 lb/ft^3 - 2.5 lb/ft^3 density, while maintaining a minimum 7 in. clearance between the spray foam insulation and the gypsum board (Item 7). Spray foam insulation is limited for use with minimum 18 in. deep trusses (Item 2). When spray foam insulation is installed, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board spaced maximum 3 in. away from gypsum butt joints. Gypsum board to be installed using minimum 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 4 through 4K) in the concealed space, no clearance is necessary between damper housing and spray foam insulation. Only for use with item 6 not evaluated for use with alternates to item 6.
CARLISLE SPRAY FOAM INSULATION — Types 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 Foamsulate HFO.

6. **Resilient Channels —** Formed from min 25 MSG galv steel installed perpendicular to trusses. When there is no insulation installed in the concealed space the resilient channels are spaced 24 in. OC. When insulation (Item 5) is secured to the underside of the subfloor the resilient channels are spaced 16 in. OC. When insulation, Items 5, 5A or 5B is applied over the resilient channel/gypsum panel ceiling membrane, or when Item 5C, 5E or 5F is applied to underside of subflooring, the resilient channels are spaced 12 in. OC. Channels secured to each truss with 1-1/4 in. long Type S bugle head steel screws. Channels overlapped 4 in. at splices. Two channels, spaced 6 in. OC, oriented opposite each gypsum panel end joint as shown in the above illustration. Additional channels shall extend min 6 in. beyond each side edge of panel.

6A. **Steel Framing Members* —** (Not Shown) — As an alternate to Item 6.
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 16 in. OC perpendicular to wood structural members. When insulation, Items 5, 5A or 5B is applied over the furring channel/gypsum panel ceiling membrane, the furring channel spacing shall be reduced to 12 in. OC. Channels secured to trusses as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galv steel wire near each end of overlap.

b. **Steel Framing Members* —**
Used to attach furring channels (Item a) to trusses (Item 2). Clips spaced 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to alternating trusses with No. 8 x 2-1/2 in. course drywall screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to alternating trusses with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. RSIC-Si-X secured to alternating trusses with No 10. X 3-1/2 in. coarse screw. Furring channels are friction fitted into clips. RSIC-1, RSIC-V and RSIC-Si-X 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. Adjoining channels are overlapped as described in Item a. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 7. When **Fiber, Sprayed** (Item 5B) is used, two layers of nom 5/8 in. thick, 4 ft wide gypsum board shall be installed as described in Item 7.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75), RSIC-Si-X

6B. **Steel Framing Members —** (Not Shown) — As an alternate to Item 6, 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 runner/cross tee intersections. Hanger wires wrapped and twist-tied on 16d nails driven in to side of trusses at least 5 in. above the bottom face.

b. **Cross Tees or Channels —** Nom 4 ft long cross tees, with 15/16 in. or 1-1/2 in. wide face, or nom 4 ft long cross channels, with 1-1/2 in. wide face, either spaced 16 in. OC, installed perpendicular to the main runners. Additional cross tees or channels used 8 in. from each side of butted gypsum board 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 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 screw-attachment of the gypsum panel.
CGC INC — Type DGL or RX

USG INTERIORS LLC — Type DGL or RX

6C. **Steel Framing Members* —** (Not Shown) — As an alternate to Item 6.
a. **Furring Channels —** Hat-shaped furring channels, 7/8 in. deep by 2-5/8 in. wide at the base and 1-1/4 in. wide at the face, formed from No. 25 ga. galv steel, spaced max. 16 in. OC perpendicular to trusses and Cold Rolled Channels (Item 6Cb). Furring channels secured to Cold Rolled Channels at every intersection with a 1/2 in. pan head self-drilling screw through each furring channel leg. Ends of adjoining channels overlapped 4 in. and tied together with two double strand No. 18 SWG galv steel wire ties, one at each end of overlap. Supplemental furring channels at base layer and outer layer gypsum board butt joints are not required. Batts and Blankets draped over furring channels as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 7.

and wire-tied together with two double strand 18 SWG galv steel wire ties, one at each end of overlap.

c. **Blocking —** Where truss design does not permit direct, full contact of the hanger bracket, a piece of nominal 2 by 4 in. lumber (blocking), min. 6 in. long to permit full contact of the hanger bracket, to be secured vertically to the side of the truss (Item 2) at the top and bottom of the blocking at each Steel Framing Member (Item 6Cd) location.

d. **Steel Framing Members* —** Hangers spaced 48 in. OC. max along truss, and secured to the Blocking (Item 6Cc) on alternating trusses with a single 5/16 in. by 2 in. hex head lag bolt or four #6 1-1/4 in. drywall screws through mounting hole(s) on the hanger bracket. The two 1/4 in. long steel teeth on the hanger are embedded in the side of the blocking. Hanger positioned on blocking and leveling bolt height adjusted such that furring channels are flush with bottom of trusses before gypsum board installation. Spring gauge of hanger chosen per manufacturer's instructions.
KINETICS NOISE CONTROL INC — Type ICW

6D. **Steel Framing Members* —** (Not Shown) — As an alternate to Item 6.
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 16 in. OC perpendicular to wood structural members. When insulation, Items 5 or 5A is applied over the furring channel/gypsum panel ceiling membrane, the furring channel spacing shall be reduced to 12 in. OC. Channels secured to trusses as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galv steel wire near each end of overlap.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to trusses (Item 2). Clips spaced 48 in. OC, and secured to the bottom chord of alternating trusses with two No. 8 x 2-1/2 in. course drywall screws, one through the hole at each end of the clip. When insulation, Items 5 or 5A is applied over the furring channel/gypsum panel ceiling membrane, the clip spacing shall be reduced to 24 in. OC and secured to consecutive trusses. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in Item a. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 7. Two layers of gypsum board required as described in Item 7. Not evaluated for use with Item 5B.
KINETICS NOISE CONTROL INC — Type Isomax

6E. **Steel Framing Members* —** (Not Shown) — As an alternate to Item 6.
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 16 in. OC perpendicular to wood structural members. When insulation, Items 5 or 5A is applied over the furring channel/gypsum panel ceiling membrane, the furring channel spacing shall be reduced to 12 in. OC. Channels secured to trusses 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 near each end of overlap.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to trusses (Item 2). Clips spaced 48 in. OC, and secured to the bottom chord of alternating trusses with one No. 8 x 2-1/2 in. coarse drywall screw through center grommet. When insulation, Items 5 or 5A is applied over the furring channel/gypsum panel ceiling membrane, the clip spacing shall be reduced to 24 in. OC and secured to consecutive trusses. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in Item a. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 7. Not evaluated for use with Item 5B.
PLITEQ INC — Type Genie Clip

6F. **Steel Framing Members* —** (Not Shown) — As an alternate to Items 6, furring channels and Steel Framing Members as described below.
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-5/8 in. wide by 7/8 in deep, spaced 16 in OC, perpendicular to joists. When insulation, Items 5 or 5A is applied over the furring channel/gypsum panel ceiling membrane, the furring channel spacing shall be reduced to 12 in. OC. Channels secured to joists as described in Item b.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to the trusses (Item 2). Clips spaced at 48" OC and secured to the bottom of the joists with one 2 in. Coarse Drywall Screw with 1 in. diam washer through the center hole. Furring channels are then friction fitted into clips. Ends of channels are overlapped 6" and tied together with double strand of No. 18 AWG galvanized steel wire. Additional clips are required to hold furring channel that supports the gypsum board butt joints as described in Item 7.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

6G. **Steel Framing Members* —** (Not Shown) — As an alternate to Item 6 — Not for use with Items 5, 5A or 5B — 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.
USG INTERIORS LLC — Type DGL or RX

6H. **Resilient Channels —** For Use With Item 7A - Formed from min 25 MSG galv steel installed perpendicular to trusses and spaced 16 in. OC. Channels secured to each truss with 1-5/8 in. long Type S bugle head steel screws. Channels overlapped 4 in. at splices. Two channels, spaced 6 in. OC, oriented opposite each gypsum panel end joint. Additional channels shall extend min 6 in. beyond each side edge of panel. Insulation, Item 5D is applied over the resilient channel/gypsum panel ceiling membrane.

6I. **Steel Framing Members* —** (Not Shown) — As an alternate to Item 6, furring channels and Steel Framing Members as described below.
a. **Furring Channels —** Formed of No. 25 MSG galvanized steel, 2-1/2 in. wide by 7/8 in deep, spaced 16 in OC, perpendicular to trusses. When insulation, Items 5 or 5A is applied over the furring channel/gypsum panel ceiling membrane, the furring channel spacing shall be reduced to 12 in. OC. Channels secured to trusses as described in Item b.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ia) to the trusses (Item 2). Clips spaced 48 in. OC on alternating trusses and secured to the bottom chord of the trusses with one 2-1/2 in. coarse drywall screw through the center grommet in accordance with the manufacturer's installation instructions. Furring channels are then friction fitted into clips. Ends of channels are overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Additional clips are required to hold the furring channel that supports one end of the gypsum board butt joints as described in Item 7.
REGUPOL AMERICA — Type SonusClip

6J. **Steel Framing Members* —** (Not Shown) — Used to attach resilient channels (Item 6) to trusses (Item 2). Clips spaced 48 in. OC on adjacent trusses, and secured to trusses with one No. 8 x 2-1/2 in. coarse drywall screw through center grommet hole. Channels secured to clips with one #10 x 1/2 in. pan-head self-drilling screw. Ends of adjoining channels overlapped 6 in. and secured together with two #8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board butt joints require additional resilient channels spaced 3 in. from the butt joint on either side. One edge of the extra channels will extend to an adjacent truss where it is secured with a clip.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

6K. **Steel Framing Members* —** (Not Shown) — As an alternate to Item 6. furring channels and Steel Framing Members as described below.
a. **Furring Channels —** Hat channels formed of No. 25 MSG galv steel, nom. 2-23/32 in. wide by 7/8 in. or 1-1/2 in. deep, When there is no insulation installed in the concealed space the resilient channels are spaced 24 in. OC. When insulation (Item 5) is secured to the underside of the subfloor the resilient channels are spaced 16 in. OC. When insulation, Items 5, 5A or 5B is applied over the resilient channel/gypsum panel ceiling membrane, or when Item 5C, 5E or 5F is applied to underside of subflooring, the resilient channels are spaced 12 in. OC. Channels secured to trusses as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galv steel wire near each end of overlap.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to trusses (Item 2). Clips spaced 48 in. OC with No. 8 x 2-1/2 in. course drywall screw through the center grommet. Furring channels are friction fitted into clips. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 7.
CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

6L. **Steel Framing Members* —** (Not Shown
a. **Furring Channels —** Formed of No. 25 MSG galv steel, nominal 2-1/2 in. wide by 7/8 in. deep, spaced as indicated in Item 6, perpendicular to the trusses. Channels secured to Cold Rolled Channels at every intersection with a 3/4 in. TEK screw through each furring channel leg. Ends of adjoining channels overlapped 12 in. and fastened together with two double strand No. 18 SWG galv steel wire ties, one at each end of overlap, or with two 3/4 in. TEK screws in each leg of the overlap section. Two furring channels used at end joints of gypsum board (Item 7), each extending a min of 6 in. beyond both side edges of the board.

b. **Cold Rolled Channels —** 1-1/2 in. by 1/2 in., formed from No. 16 ga. galv steel, positioned vertically and parallel to trusses, friction-fitted into the channel caddy on the Steel Framing Members (Item 6Ld) and secured with two 3/4 in. TEK screws. Adjoining lengths of cold rolled channels lapped min. 12 in. and secured along bottom legs with four 3/4 in. TEK screws and wire-tied together with two double strand 18 SWG galv steel wire ties, one at each end of overlap.

c. **Blocking —** Where truss design does not permit direct, full contact of the hanger bracket, a piece of nominal 2 by 4 in. lumber (blocking), min. 12 in. long to permit full contact of the hanger bracket, to be secured vertically to the side of the trusses at the top and bottom of the blocking at each Steel Framing Member (Item 6Ld) location with 16d nails or minimum 2-1/2 in. screws.

d. **Steel Framing Members* —** Spaced 48 in. OC. max along truss, and secured to the truss on alternating trusses with two, #10 x 1-1/2 in. screws through mounting holes on the hanger bracket.
PAC INTERNATIONAL L L C — Type RSIC-SI-CRC EZ Clip

6M. **Steel Framing Members* —** (Not Shown) — As an alternate to Item 6.
a. **Furring Channels —** Formed of No. 25 MSG galv steel, nominal 2-1/2 in. wide by 7/8 in. deep, spaced as indicated in Item 6, perpendicular to trusses and friction fit into Steel Framing Members (Item 6Mc). Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap or with two TEK screws along each leg of the 6 in. overlap. Two furring channels used at end joints of gypsum board (Item 7). Butt joint channels held in place by strong back channels placed upside down, on top of, and running perpendicular to primary furring channels, extending 6 in. longer than length of gypsum side joint. Strong back channels spaced maximum 48 in. OC. Strong back channels secured to every intersection of primary furring channels with four 7/16 in. pan head screws, two along each of the legs at intersections. Butt joint channels run perpendicular to strong back channels and shall be minimum 6 in. longer than length of joint, secured to strong back channels with 7/16 in. pan head screws, two along each of the legs at intersection with strong back channels.

b. **Blocking —** Where truss design does not permit direct, full contact of the hanger bracket, a piece of nominal 2 by 4 in. lumber (blocking), min. 12 in. long to permit full contact of the hanger bracket, to be secured vertically to the side of the trusses at the top and bottom of the blocking at each Steel Framing Member (Item 6c) location with 16d nails or minimum 2-1/2 in. screws.

c. **Steel Framing Members* —** Used to attach furring channels (Item 6La) to trusses. Clips spaced 48 in. OC and secured along truss webs at each furring channel intersection with min. 3/4 in. long self-drilling #10 x 1-1/2 in. screws through each of the provided hole locations. Furring channels are friction fitted into clips.
PAC INTERNATIONAL L L C — Type RSIC-S1-1 Ultra

6N. **Steel Framing Members* —** (Optional, Not Shown) — Used as an alternate method to attach resilient channels to structural members. A resilient sound isolation accessory shall be used at each attachment point of the resilient channels and spaced max 24 in. O.C. Channel ends butted and centered under the structural members and attached with one accessory at each end. Additional accessories used to hold resilient channels that support the gypsum board end joints. The accessory envelops the mounting edge of the resilient channel. The accessory and resilient channel are fastened to the structural members with the screws supplied with the accessory and per the accessory manufacturer's installation instructions. Gypsum Board butt joints staggered minimum 24 in. OC and Gypsum Board screws spaced 8 in. OC when used.
PAC INTERNATIONAL L L C — Types RC-1 Boost

7. **Gypsum Board* —** Nom 5/8 in. thick, 48 in. wide gypsum panels. When resilient channels (Item 6) are used, gypsum panels installed with long dimension perpendicular to resilient channels. Gypsum panels secured with 1 in. long Type S bugle head steel screws spaced 12 in. OC and located a min of 1/2 in. from side joints and 3 in. from the end joints. When insulation (Items 5 or 5A) is applied over the resilient channel/gypsum panel ceiling membrane screw spacing shall be reduced to 8 in. OC. When insulation (Item 5C, 5E or 5F) is applied to the underside of the subflooring, screw spacing shall be reduced to 8 in. OC and minimum 1-1/4 in. long Type S screws to install gypsum to the resilient channels (Item 6), and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. End joints secured to both resilient channels as shown in end joint detail. When **Steel Framing Members** (Item 6A) are used, gypsum panels installed with long dimensions perpendicular to furring channels. Panels attached to the furring channels using 1 in. long Type S bugle-head steel screws spaced 8 in. OC along butted end joints and in the field of the panel. Butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. Each end of each gypsum panel shall be supported by a single length of furring channel equal to the width of the gypsum panel plus 6 in. on each end. The two support furring channels shall be spaced approximately 3-1/2 in. OC, and be attached to underside of the truss with one clip at each end of the channel. When **Steel Framing Members*** (Item 6B) are used, gypsum panels installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints

centered along cross tees. Panels fastened to cross tees with 1 in. long . Type S bugle-head screws spaced in the field and 8 in. OC along end joints. Panels fastened to main runners with 1 in. long . Type S bugle-head screws spaced midway between cross tees. Screws along sides and ends of panels spaced 3/8 to 1/2 in. from panel edge. End joints of panels shall be staggered with spacing between joints on adjacent panels not less than 4 2 ft OC. When **Fiber, Sprayed** (Items 5A or 5B) is used, two layers of nom 5/8 in. thick, 4 ft wide gypsum board are installed with long dimensions perpendicular to furring channels. Base layer gypsum board secured with 1 in. long Type S bugle head steel screws spaced 12 in. OC and located a min of 1/2 in. from side joints and 3 in. from the end joints. End joints secured to both resilient channels as shown in end joint detail. Outer layer gypsum board secured with 1-5/8 in. long Type S bugle head steel screws spaced 12 in. OC and located a min of 1/2 in. from side joints and 3 in. from the end joints. Outer layer shall be finished as described in Item 8. When both **Steel Framing Members** (Item 6A) and **Fiber, Sprayed** (Items 5A or 5B) are used, furring channels spaced 12 in. OC and two layers of nom 5/8 in. thick, 4 ft wide gypsum board are installed with long dimension perpendicular to furring channels. Base layer secured to furring channels with nom 1 in. long Type S bugle head screws spaced 8 in. OC along butted end joints and in the field of the board. Butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. Each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 6 in. on each end. The two support furring channels shall be spaced approximately 3-1/2 in. OC, and be attached to the underside of the truss with one clip at each end of the channel. Outer layer secured to furring channels using 1-5/8 in. long Type S screws spaced 8 in. OC and 1-1/2 in. from the end joint. Butted end joints to be offset a min. of 8 in. from base layer end joints. Butted side joints of outer layer to be offset min. 18 in. from butted side joints of base layer. When **Steel Framing Members** (Item 6C) are used, two layers of nom 5/8 in. thick, 4 ft wide gypsum board are installed with long dimensions perpendicular to furring channels (Item 6Ca). Base layer attached to the furring channels using 1 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. Butted end joints centered on the continuous furring channels. Butted base layer end joints to be offset a min of 16 in. in adjacent courses. Outer layer attached to the furring channels using 1-5/8 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 centered on the continuous furring channels and offset a min of 16 in. from butted end joints of base layer. Butted side joints of outer layer to be offset min 16 in. from butted side joints of base layer. When **Steel Framing Members** (Item 6D) are used, two layers of nom 5/8 in. thick, 4 ft wide gypsum board are installed with long dimensions perpendicular to furring channels. Base layer attached to the furring channels using 1 in. long Type S bugle-head steel screws spaced 12 in. OC in the field of the board. Butted end joints shall be staggered min 2 ft. within the assembly, and occur midway between the continuous furring channels. Each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 6 in. on each end. The two furring channels shall be spaced approximately 4 in. OC, and be attached to underside of the truss with one Isomax clip at each end of the channel. Screw spacing along the gypsum board butt joint shall be 8 in. OC. Outer layer attached to the furring channels using 1-5/8 in. long Type S bugle-head steel screws spaced 12 in. OC in the field. The end of the outer layer boards at the butt joint shall be attached to the base layer boards with 1-5/8 in. long Type G screws spaced 8 in. OC and 1-1/2 in. from the end joint. Butted end joints to be offset a min of 8 in. from base layer end joints. Butted side joints of outer layer to be offset min 18 in. from butted side joints of base layer. Outer layer shall be finished as described in Item 8. When **Steel Framing Members** (Item 6E) are used, one layer of nom 5/8 in. thick, 4 ft wide are installed with long dimensions perpendicular to furring channels. Gypsum board secured to furring channels using 1 in. long No. 6 Type S bugle-head steel screws spaced 12 in. OC in the field of the board. Butted end joints shall be staggered minimum 2 ft. within the assembly. Additional furring channels constructed as per Item 6E shall be used to support each end of each gypsum board. These additional furring channels shall be attached to underside of the truss with Genie clips as described in Item 6E. Screw spacing along the gypsum board butt joint shall be 8 in. OC. Outer layer attached to the furring channels using 1-5/8 in. long No. 6 Type S bugle-head steel screws spaced 12 in. OC in the field. The outer layer boards at the butt joint shall be attached to the base layer boards with No. 10, 1-1/2 in. long drywall screws spaced 8 in. OC and 1-1/2 in. from the end joint. Butted end joints to be offset a min of 24 in. from base layer end joints. Butted side joints of outer layer to be offset min 16 in. from butted side joints of base layer. When **Steel Framing Members** (Item 6F) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to furring channels. Gypsum board secured to furring channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board. Gypsum board butted end joints shall be staggered minimum 48 in. and centered over main furring channels. At the gypsum board butt joints, each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 3 in. on each end. The two support furring channels shall be spaced approximately 3 in. in from joint. Screw spacing along the gypsum board butt joint and along both additional channels shall be 8 in. OC. Additional screws shall be placed in the adjacent section of gypsum board into the aforementioned 3 in. extension of the extra butt joint channels as well as into the main channel that runs between. Butt joint furring channels shall be attached with one RESILMOUNT Sound Isolation Clip at each end of the channel.
When alternate **Steel Framing Members*** (Item 6G) 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.

When **Steel Framing Members** (Item 6I) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to furring channels. Gypsum board secured to furring channels with nom 1-1/4 in. long, fine thread, #6, Type S bugle-head steel screws spaced 8 in. OC along butt joints and in the field of the board. Gypsum board butted end joints shall be staggered minimum 24 in. and occur 3 in. from the continuous furring channels. At the gypsum board butt joints, an additional single length of furring channel shall be installed and be spaced approximately 3 in. from the butt joint (6 in. from the continuous furring channels) to support the floating end of the gypsum board. Each of these shorter sections of furring channel shall extend one truss beyond the width of the gypsum panel and be attached to the adjacent trusses with one SonusClip at every truss involved with the butt joint.

When **Steel Framing Members** (Item 6J) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to resilient channels. Gypsum board secured to resilient channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board and located 3/4 in. from side joints and 3 in. end joints. Gypsum board joints are to be staggered by a minimum of 24 in.

When **Steel Framing Members** (Item 6L) are used, nom 5/8 in. thick, 4 ft wide gypsum board, installed as described in Item 7. Adjacent butt joints staggered minimum 48 in. OC.

When **Steel Framing Members** (Item 6M) are used, nom 5/8 in. thick, 4 ft wide gypsum board, installed as described in Item 7. Butt joints staggered minimum 24 in. OC.

CGC INC — Types C, IP-X2, IPC-AR

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

USG BORAL DRYWALL SFZ LLC — Type C

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

7A. **Gypsum Board* —** For use with Items 5D and 6H. Nom 5/8 in. thick, 48 in. wide gypsum panels installed with long dimension perpendicular to resilient channels. Gypsum panels secured with 1 in. long Type S bugle head steel screws spaced 8 in. OC and located a min of 1/2 in. from side joints and 3 in. from the end joints. Finish Rating with this ceiling system is 20 min.
CGC INC — Type ULIX

UNITED STATES GYPSUM CO — Type ULIX

8. **Finishing System —** (Not Shown) — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads. Nom 2 in. wide paper tape embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.

9. **Grille —** Grille installed in accordance with the installation instructions provided with the ceiling damper.

10. **Wire Mesh —** (Not Shown) — For use with Item 5A and 5B — 1 in. 20 gauge galvanized poultry netting installed between the furring channels and gypsum board. The poultry netting is attached with washers and 1/2 in. wafer head screws, spaced 24 in. OC., to the furring channels. The **Fiber, Sprayed** (Item 5A or 5B) is installed through cut-openings in the poultry netting, in-between trusses. The cut-openings in the poultry netting shall be staggered at a maximum of 6 ft.

*** 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 2021-06-11

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1 UL #L521 (1-HR FLOOR-CEILING ASSEMBLY)

NTS

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NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE:
UL Detail
--
SHEET NUMBER:
A0.20

Design No. P522

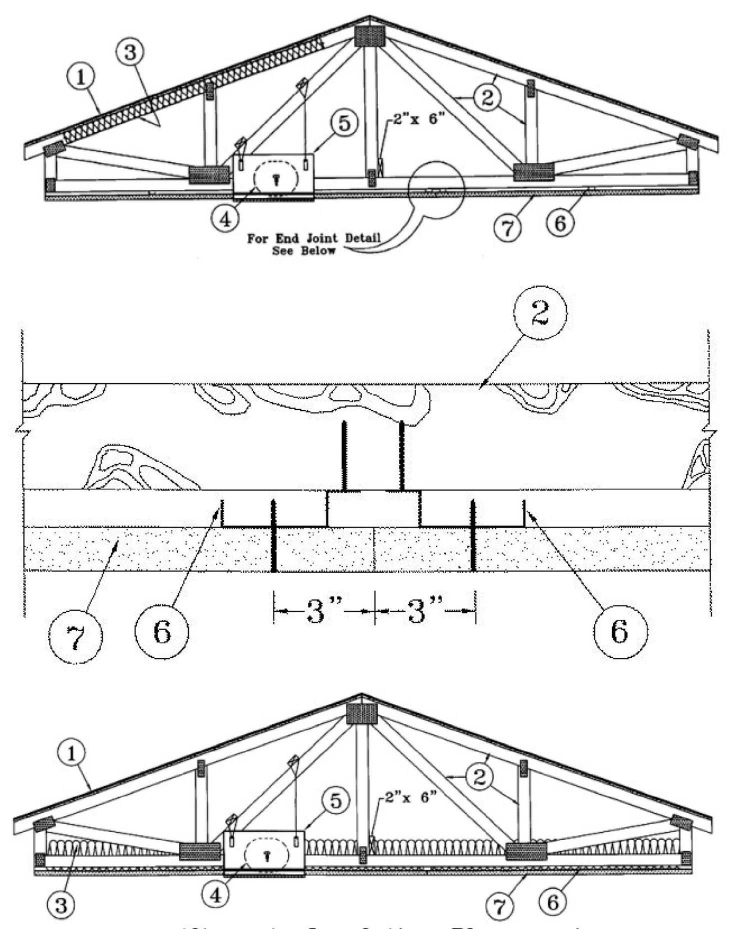
May 22, 2021

Unrestrained Assembly Rating — 1 Hr

Finish Rating — 25 Min (See Items 3 or 3A)

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 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), respectively.**



Alternate Insulation Placement

1. **Roofing System* —** Any UL Class A, B or C Roofing System (TGFU) or Prepared Roof Covering (TFWZ) acceptable for use over nom 15/32 in. thick wood structural panels, min. grade "C-D" or "Sheathing". Nom 15/32 in. thick wood structural panels secured to trusses with No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. Construction adhesive may be used with either the nails or staples.

2. **Trusses —** Pitched or parallel chord wood trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally. Truss members secured together with min. 0.0356 in. thick galv steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approximately 7/8 in. centers with four rows of teeth per inch of plate width. Minimum parallel chord truss depth shall be 18 in. Where the truss intersects with the interior face of the exterior walls, the min truss depth shall be 5-1/4 in. with a min roof slope of 3/12 and a min. area in the plane of the truss of 21 sq/ft. Where the truss intersects with the interior face of the exterior walls, the min truss depth may be reduced to 3 in. if the batts and blankets (Item 3) are used as shown in the above illustration (Alternate Insulation Placement) and are firmly packed against the intersection of the bottom chords and the plywood sheathing.

3. **Batts and Blankets* —** (Optional) — Required when Item 6B is used — Glass fiber insulation, secured to the wood structural panels with staples spaced 12 in. OC or to the trusses with 0.090 in. diam galv steel wires spaced 12 in. OC. Any glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance, having a min density of 0.5 pcf. As an option, the insulation may be fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. When **Steel Framing Members** (Item 6B) are used, max 3-1/2 in. thick insulation shall be draped over the furring channels (Item 6Ba) and gypsum board ceiling membrane, and friction-fitted between trusses and Steel Framing Members (Item 6Bd). The finished rating has only been determined when the insulation is secured to the decking.

3A. **Fiber, Sprayed* —** As an alternate to Item 3 (not evaluated for use with Item 6B) — Any thickness of spray-applied cellulose insulation material, having a min density of 0.5 lb/ft^3, applied with water, over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. Fiber, Sprayed is applied with moisture in accordance with the application instructions supplied with the product. The finish rating when Fiber Sprayed is used has not been determined. Alternate application method: The fiber is applied without water or adhesive in accordance with the application instructions supplied with a minimum density of 0.5 lb/ft^3 over the resilient channel/gypsum board ceiling membrane when resilient channels and gypsum board attachment is modified as specified in Items 6 and 7. Alternate application method: The fiber is applied without water or adhesive to a nominal density of 3.5 lb/ft^3 behind netting (Item 9) stapled to the rafters. The netting is stapled at both lower edges of the rafters creating a cavity to accept the cellulose fiber.
U S GREENFIBER L L C — INS735, INS745, INS750LD, and SANCTUARY for use with wet or dry application. INS510LD, INS515LD, INS541LD, INS735, INS765LD, and INS773LD are to be used for dry application only.

3B. **Foamed Plastic* —** (As an alternate to Item 3 or 3A, Not Shown) — Spray foam insulation applied directly to the underside of the underside of the roofing system (Item 1). Spray foam insulation installed to a maximum thickness of 10 in. at a nominal 0.5 lb/ft^3 density, while maintaining a minimum 8-1/2 in. clearance between the spray foam insulation and the gypsum board (Item 7). When spray foam insulation is used, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board (Item 7) installed at 6 in. OC to allow for maximum 3 in. spacing off ends of the gypsum board joints. Gypsum board (Item 7) to be installed using 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 5 through 5K) in the concealed space, minimum 1 in. clearance to be maintained between damper housing and spray foam insulation. Not evaluated for use with Items 6A through 6F.
SES FOAM INC — Sucraseal

3C. **Cavity Insulation - Batts and Blankets* or Fiber, Sprayed* —** (As described above) in Items 3 and 3A — (For Use with Item 7B, Not Shown) — Min. 3-1/2 in thick with no limit on maximum thickness fitted in the concealed space, draped over the resilient channel (Item 6G)/gypsum board (Item 7B) ceiling membrane.

3D. **Foamed Plastic* —** (As alternate to Item 3, 3A, or 3B, Not Shown) — Spray foam insulation applied directly to the underside of the roofing system (Item 1). Spray foam insulation installed to a maximum thickness of 10 in. at a nominal 0.5 lb/ft^3 or 2.0 lb/ft^3 density, depending on the product installed. When spray foam insulation is installed, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board (Item 7) spaced maximum 3 in. away from gypsum butt joints. Gypsum board (Item 7) to be installed using minimum 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 5 through 5H) in the concealed space, minimum 1 in. clearance to be maintained between damper housing and spray foam insulation. Not evaluated for use with Items 6A through 6F.
BASF CORP — Enertite® NM, Enertite® G, FE178®, Spraytite® 178, Spraytite® 81206, Walltite® 200, Walltite® US, Walltite® US-N, and Walltite® HP+

3E. **Foamed Plastic* —** (As an alternate to Item 3, 3A, 3B, 3C, or 3D, Not Shown) — Spray foam insulation applied directly to the underside of the underside of the roofing system (Item 1). Spray foam insulation installed to a maximum thickness of 17 in. at a nominal 0.5 lb/ft^3 density, while maintaining a minimum 1-1/2 in. clearance between the spray foam insulation and the gypsum board (Item 7). When spray foam insulation is used, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board (Item 7) installed at 6 in. OC to allow for maximum 3 in. spacing off ends of the gypsum board joints. Gypsum board (Item 7) to be installed using 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 5 through 5K) in the concealed space, no clearance is necessary between damper housing and spray foam insulation. Not evaluated for use with Items 6A through 6F.
SES FOAM INC — EasySeal.5

3F. **Foamed Plastic* —** (As alternate to Item 3 - not to be used in combination with any alternates to item 3) — Spray foam insulation applied directly to the underside of the roofing system (Item 1). Spray foam insulation installed to a maximum thickness of 11 in. at a nominal 1.0 lb/ft^3 - 2.5 lb/ft^3 density, while maintaining a minimum 7 in. clearance between the spray foam insulation and the gypsum board (Item 7). When spray foam insulation is installed, resilient channels (Item 6) shall be installed maximum 12 in. OC, with channels adjacent to butt joints of gypsum board spaced maximum 3 in. away from gypsum butt joints. Gypsum board to be installed using minimum 1-1/4 in. long Type S screws, spaced maximum 8 in. OC, and butted end joints shall be staggered min. 2 ft within the assembly, and occur midway between the continuous furring channels. If used with a fire damper (Items 5 through 5K) in the concealed space, no clearance is necessary between damper housing and spray foam insulation. Only for use with item 6 not evaluated for use with alternates to item 6.
CARLISLE SPRAY FOAM INSULATION — Types 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 Foamsulate HFO.

4. **Air Duct* —** Any UL Class 0 or Class 1 flexible air duct installed in accordance with the instructions provided by the damper manufacturer.

5. **Ceiling Damper* —** Max nom area, 324 sq in. Max square size, 18 in. by 18 in. rectangular sizes not to exceed 324 sq in. with a max width of 18 in. Max damper height is 14 in. Installed in accordance with manufacturers installation instructions provided with the damper. Max damper openings not to exceed 162 sq in. per 100 sq ft of ceiling area.
C&S AIR PRODUCTS — Model RD-521

POTTORFF — Model CFD-521

5A. **Alternate Ceiling Damper* —** Max nom area, 196 sq in. Max square size, 14 in. by 14 in. Rectangular sizes not to exceed 196 sq in. with a max width of 26 in. Max overall damper height is 7 in. Installed in accordance with the manufacturers installation instructions provided with the damper. Max damper openings not to exceed 98 sq in. per 100 sq ft of ceiling area.
C&S AIR PRODUCTS — Model RD-521-BT

POTTORFF — Model CFD-521-BT.

5B. **Alternate Ceiling Damper* —** Max nom area shall be 256 sq in. with the length not to exceed 24 in. and the width not to exceed 20 in. Max height of damper shall be 17 in. Aggregate damper openings shall not exceed 128 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper. A steel grille shall be installed in accordance with installation instructions.
C&S AIR PRODUCTS — Model RD-521-IP, RD-521-NP

POTTORFF — Models CFD-521-IP, CFD-521-NP

5C. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly. Max nom area shall be 75 sq in. with the length not to exceed 8-9/16 in. and the width not to exceed 8-3/4 in. Max height of damper shall be 9-7/8 in. Aggregate damper openings shall not exceed 38 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturers installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
DELTA ELECTRONICS INC — Models CRD2, GBR-CRD, ITG-CRD

5D. **Alternate Ceiling Damper* —** Ceiling damper & fan. Max nom area shall be 75 sq in. with the length not to exceed 9-1/4 in. and the width not to exceed 9-3/4 in. Max height of damper shall be 9-7/8 in. Aggregate damper openings shall not exceed 45 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
DELTA ELECTRONICS INC — Model SIG-CRD

5E. **Alternate Ceiling Damper* —** Max nom area shall be 144 sq in. with the length not to exceed 14 in. and the width not to exceed 12 in. Max height of damper shall be 17-7/8 in. Aggregate damper openings shall not exceed 74 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper. A steel grille shall be installed in accordance with installation instructions.
C&S AIR PRODUCTS — Model RD-521-90, RD-521-NP90

POTTORFF — Models CFD-521-90, CFD-521-90NP

5F. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly. Max nom area shall be 131 sq in. with the length not to exceed 11-1/16 in. and the width not to exceed 11-7/8 in. Aggregate damper openings shall not exceed 66 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
DELTA ELECTRONICS INC — Model SMT-CRD

5G. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly. Max nom area shall be 103 sq in. with the length not to exceed 10-1/8 in. and the width not to exceed 10-1/8 in. Aggregate damper openings shall not exceed 52 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
PANASONIC CORPORATION, PANASONIC CORPORATION OF NORTH AMERICA — Model PC-RD05C5

5H. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly. Max nom area shall be 113 sq in. with the length not to exceed 10-1/8 in. and the width not to exceed 11-1/8 in. Aggregate damper openings shall not exceed 57 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
BROAN-NUTONE L L C — Model RDFUWT

5I. **Alternate Ceiling Damper* —** Ceiling damper & fan. Max nom area shall be 79 sq in. with the length not to exceed 10 in. and the width not to exceed 7-15/16 in. Aggregate damper openings shall not exceed 40 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A metallic grille shall be installed in accordance with installation instructions.
BROAN-NUTONE L L C — Models RDJ1 and RDH

5J. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly. Max nom area shall be 87 sq in. with the length not to exceed 9 in. and the width not to exceed 9-11/16 in. Aggregate damper openings shall not exceed 44 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
BROAN-NUTONE L L C — Model RDMWT

5K. **Alternate Ceiling Damper* —** Ceiling damper & fan assembly. Max nom area shall be 87 sq in. with the length not to exceed 9 in. and the width not to exceed 9-11/16 in. Aggregate damper openings shall not exceed 44 sq in. per 100 sq ft of ceiling area. Damper shall be installed in combination with one of the fan models described in, and in accordance with, the manufacturer's installation instructions provided with the damper. A plastic grille shall be installed in accordance with installation instructions.
BROAN-NUTONE L L C — Model RDMWT2

6. **Furring Channels —** Resilient channels formed of 25 MSG thick galv steel. Installed perpendicular to the trusses (Item 2), spaced a max of 16 in. OC when no insulation (Item 3 or 3A) is fitted in the concealed spaced, or a max of 12 in. OC when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane, or when insulation (Item 3B, 3D or 3E) is applied to the underside of the roofing system (Item 1). 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 wood trusses. Channels secured to each truss with 1-1/4 in. long Type S screws.

6A. **Steel Framing Members* —** (Not Shown) — As an alternate to Item 6, 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 16 in. OC perpendicular to trusses when no insulation (Items 3 or 3A) is fitted in the concealed space or 12 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane or 24 in. OC when insulation (Items 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane and a second layer of gypsum board is attached as described in Item 7 for steel framing members. Channels secured to trusses as described in Item 6Ab. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap.

b. **Steel Framing Members —** Used to attach furring channels (Item a) to trusses (Item 2). Clips spaced 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to alternating trusses with No. 8 by 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to alternating trusses with No. 8 by 1-1/2 in. coarse drywall 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. Adjoining channels are overlapped as described in Item 6Aa. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 7.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

6B. **Steel Framing Members* —** (Not Shown) — As an alternate to Items 6 and 6A.
a. **Furring Channels —** Hat-shaped furring channels, 7/8 in. deep by 2-5/8 in. wide at the base and 1-1/4 in. wide at the face, formed from No. 25 ga. galv steel, spaced max 16 in. OC perpendicular to trusses and Cold Rolled Channels (Item 6Bb). Furring channels secured to Cold Rolled Channels at every intersection with a 1/2 in. pan head self-drilling screw through each furring channel leg. Ends of adjoining channels overlapped 4 in. and tied together with two double strand No. 18 SWG galv steel wire ties, one at each end of overlap. Supplemental furring channels at base layer and outer layer gypsum board butt joints are not required. Batts and Blankets draped over furring channels as described in Item 3. Two layers of gypsum board attached to furring channels as described in Item 7.

b. **Cold Rolled Channels —** 1-1/2 in. by 1/2 in., formed from No. 16 ga. galv steel, positioned vertically and parallel to trusses, friction-fitted into the channel caddy on the Steel Framing Members (Item 6Bd). Adjoining lengths of cold rolled channels lapped min. 6 in. and wire-tied together with two double strand 18 SWG galv steel wire ties, one at each end of overlap.

c. **Blocking —** Where truss design does not permit direct, full contact of the hanger bracket, a piece of nominal 2 by 4 in. lumber (blocking), min. 6 in. long to permit full contact of the hanger bracket, to be secured vertically to the side of the truss (Item 2) at the top and bottom of the blocking at each Steel Framing Member (Item 6Bd) location.

d. **Steel Framing Members* —** Hangers spaced 48 in. OC. max along truss, and secured to the Blocking (Item 6Bc) on alternating trusses with a single 5/16 in. by 2 in. hex head lag bolt or four #6 1-1/4 in. drywall screws through mounting hole(s) on the hanger bracket. The two 1/4 in. long steel teeth on the hanger are embedded in the side of the blocking. Hanger positioned on blocking and leveling bolt height adjusted such that furring channels are flush with bottom of trusses before gypsum board installation. Spring gauge of hanger chosen per manufacturer's instructions.
KINETICS NOISE CONTROL INC — Type ICW.

6C. **Steel Framing Members* —** (Not Shown) — As an alternate to Items 6, 6A and 6B.
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep installed perpendicular to wood structural members. Channels spaced a max of 16 in. OC when no insulation (Item 3 or 3A) is fitted in the concealed space or a max of 12 in. OC when insulation (Item 3 or 3A) is fitted in the concealed space. Channels secured to trusses as described in Item 6Cb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire near each end of overlap.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ca) to trusses (Item 2). Clips secured to the bottom chord of each truss (48 in. OC) with one No. 8 by 2-1/2 in. long coarse drywall screw through center grommet. Furring channels are friction fitted into clips. Adjoining channels are overlapped as described in Item 6Ca. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum board butt joints, as described in Item 7.
PLITEQ INC — Type Genie Clip

6D. **Steel Framing Members* —** (Not Shown) — As an alternate to Items 6, 6A, 6B and 6C.
a. **Main runners —** Installed perpendicular to trusses — 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 trusses 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 wide face, installed perpendicular to the main runners, spaced 16 in. OC. Additional cross tees or channels used at 8 in. from each side of butted gypsum board 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

6E. **Alternate Steel Framing Members* —** (Not Shown) — As an alternate to items 6, 6A, 6B, and 6C, furring channels and Steel Framing Members as described below.
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-5/8 in. wide by 7/8 in deep, spaced 16 in OC, perpendicular to trusses. When insulation, Items 3 or 3A is used, the furring channel spacing shall be reduced to 12 in. OC. Channels secured to joists as described in Item b.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to the wood trusses (Item 2). Clips spaced at 48" OC and secured to the bottom of the trusses with one 2 in. Coarse Drywall Screw with 1 in. diam washer through the center hole. Furring channels are then friction fitted into clips. Ends of channels are overlapped 6" and tied together with double strand of No. 18 AWG galvanized steel wire. Additional clips are required to hold the Gypsum Butt joints as described in Item 7.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

6F. **Steel Framing Members* —** (Not Shown) — As an alternate to Items 6 through 6E- Not for use with Items 3 or 3A. 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.
USG INTERIORS LLC — Type DGL or RX

6G. **Resilient Channels —** For Use With Item 7B - Formed from min 25 MSG galv steel installed perpendicular to trusses and spaced 16 in. OC. Channels secured to each truss with 1-5/8 in. long Type S bugle head steel screws. Channels overlapped 4 in. at splices. Two channels, spaced 6 in. OC, oriented opposite each gypsum panel end joint. Additional channels shall extend min 6 in. beyond each side edge of panel. Insulation, Item 3C is applied over the resilient channel/gypsum panel ceiling membrane.

6H. **Alternate Steel Framing Members* —** (Not Shown) — As an alternate to items 6 through 6G, furring channels and Steel Framing Members as described below.
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-1/2 in. wide by 7/8 in deep, spaced 16 in OC, perpendicular to trusses. When insulation, Items 3 or 3A is used, the furring channel spacing shall be reduced to 12 in. OC. Channels secured to joists as described in Item b.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to the wood trusses (Item 2). Clips spaced at 48" OC and secured to the bottom of the trusses with one 2-1/2 in. Coarse Drywall Screw with 1 in. diam washer through the center hole. Furring channels are then friction fitted into clips. Ends of channels are overlapped 6" and tied together with double strand of No. 18 AWG galvanized steel wire. Additional clips are required to hold the Gypsum Butt joints as described in Item 7.
REGUPOL AMERICA — Type SonusClip

7. **Gypsum Board* —** One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to trusses. Attached to the resilient channels using 1 in. long Type S bugle-head screws. Screws spaced a max of 12 in. OC along butted end-joints and in the field when no insulation (Item 3 or 3A) is fitted in the concealed spaced, or a max of 8 in. OC along butted end-joints and in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane. When insulation (Item 3B, 3D or 3E) is installed in the concealed space, spray-applied to the underside of the roofing system (Item 1), screws are spaced a max of 8 in. OC along resilient channels, fasteners are increased in length to 1-1/4 in, and gypsum board butt joints shall be staggered min. 2 ft within the assembly, and occur between the main furring channels.
When **Steel Framing Members*** (Item 6A or 6C) are used, sheets installed with long dimension perpendicular to furring channels and side joints of sheet located beneath trusses. Gypsum board screws are driven through channel spaced 12 in. OC in the field when no insulation (Item 3 or 3A) is fitted in the concealed space, or 8 in. OC in the field when insulation (Item 3 or 3A) is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane. Gypsum board butt joints shall be staggered min. 2 ft within the assembly, and occur between the main furring channels. At the gypsum board butt joints, each end of the gypsum board shall be supported by a single length of furring channel equal to the width of the wallboard plus 6 in. on each end. The furring channels shall be spaced approximately 3-1/2 in. OC, and be attached to the trusses with one clip at each end of the channel. Screw spacing along the butt joint to attach the gypsum board to the furring channels shall be 8 in. OC. Second (outer) layer of gypsum board required when furring channels (Item 6A, a) are spaced 24 in. OC and insulation is fitted in the concealed space, draped over the furring channel/gypsum board ceiling membrane. Outer layer of gypsum board attached to the furring channels using 1-5/8 in. long Type S bugle-head screws spaced 8 in. OC at butted joints and 12 in. OC in the field. Butted end joints of outer layer to be offset a minimum of 8 in. from base layer end joints. Butted side joints of outer layer to be offset minimum 18 in. from butted side joints of base layer.

When **Steel Framing Members** (Item 6B) are used, two layers of nom 5/8 in. thick, 4 ft wide gypsum board are installed with long dimensions perpendicular to furring channels (Item 6Ba). Base layer attached to the furring channels using 1 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. Butted end joints centered on the continuous furring channels. Butted base layer end joints to be offset a min of 16 in. in adjacent courses. Outer layer attached to the furring channels using 1-5/8 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 centered on the continuous furring channels and offset a min of 16 in. from butted end joints of base layer. Butted side joints of outer layer to be offset min 16 in. from butted side joints of base layer.

When **Steel Framing Members** (Item 6C) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to furring channels. Gypsum board secured to furring channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board. Gypsum board butted end joints shall be staggered minimum 72 in. At the gypsum board butt joints, each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 3 in. on each end, spaced approximately 2 in. in from joint. Screw spacing along the gypsum board butt joint shall be 8 in. OC. Butt joint furring channels shall be attached with a RESILMOUNT Sound Isolation Clip secured to underside of every truss that is located over the butt joint. Over all Gypsum Board side joints, approximately 20 in. lengths of furring channel shall be installed parallel to trusses (Item 2) between main furring channels. Side joint furring channels shall be attached to underside of the joist with RESILMOUNT Sound Isolation Clips - located approximately 2 in. from each end of the approximate 20 in. length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge.

When **Steel Framing Members** (Item 6E) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to furring channels. Gypsum board secured to furring channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board. Gypsum board butted end joints shall be staggered minimum 48 in. and centered over main furring channels. At the gypsum board butt joints, each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 3 in. on each end. The two support furring channels shall be spaced approximately 3 in. in from end joint. Screw spacing along the gypsum board butt joint and along both additional channels shall be 8 in. OC. Additional screws shall be placed in the adjacent section of gypsum board into the aforementioned 3 in. extension of the extra butt joint channels as well as into the main channel that runs between. Butt joint furring channels shall be attached with one RESILMOUNT Sound Isolation Clip at each end of the channel.

When alternate **Steel Framing Members*** (Item 6F) are used, one layer of nom 5/8 in. thick, 4 ft wide 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.

When **Steel Framing Members** (Item 6H) are used, one layer of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to furring channels. Gypsum board secured to furring channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board. Gypsum board butted end joints shall be staggered minimum 48 in. and centered over main furring channels. At the gypsum board butt joints, an additional single length of furring channel shall be installed and be spaced approximately 3 in. from the butt joint (6 in. from the continuous furring channels) to support the floating end of the gypsum board. Each of these shorter sections of furring channel shall extend one truss beyond the width of the gypsum panel and be attached to the adjacent trusses with one SonusClip at every truss involved with

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

USG BORAL DRYWALL SFZ LLC — Type C

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

7A. **Gypsum Board* —** For use with Steel Framing Members (Item 6D) when Batts and Blankets* (Item 3) are not used - One layer of nom 5/8 in. thick by 48 in. wide boards, installed with long dimension parallel to the main runners. Gypsum board fastened to each cross tee or channel with five wallboard screws, with one screw located at the midspan of the cross tee or channel, one screw located 12 in. from and on each side of the cross tee or channel mid span and one screw located 1-1/2 in. from each gypsum board side joint. Except at wallboard end joints, wallboard screws shall be located on alternating sides of cross tee flange. At gypsum board end joints, gypsum board screws shall be located 1/2 in. from the joint. Gypsum board fastened to main runners with wallboard screws 1/2 in. from side joints, midway between intersections with cross tees or channels (16 in. OC). End joints of adjacent gypsum board sheets shall be staggered not less than 32 in. Gypsum board sheets screw attached to leg of wall angle with wallboard screws spaced 12 in. OC. Joints treated as described in Item 7. For use with **Steel Framing Members*** (Item 6D) when **Batts and Blankets*** (Item 3) are used - Ratings limited to 1 Hour - 5/8 in. thick, 4 ft wide; installed with long dimension perpendicular to cross tees with side joints centered along main runners and end joints centered along cross tees. Fastened to cross tees with 1 in. long steel gypsum board screws spaced 8 in. OC in the field and 8 in. OC along end joints. Fastened to main runners with 1 in. long gypsum board screws spaced midway between cross tees. Screws along sides and ends of boards spaced 3/8 to 1/2 in. from board edge. End joints of the sheets shall be staggered with spacing between joints on adjacent boards not less than 4 ft OC.
CGC INC — Type C or IP-X2

UNITED STATES GYPSUM CO — Type C or IP-X2

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Type C or IP-X2

7B. **Gypsum Board* —** For use with Items 3C and 6G. Nom 5/8 in. thick, 48 in. wide gypsum panels installed with long dimension perpendicular to resilient channels. Gypsum panels secured with 1 in. long Type S bugle head steel screws spaced 8 in. OC and located a min of 1/2 in. from side joints and 3 in. from the end joints. Finish Rating with this ceiling system is 20 min.
CGC INC — Type ULIX

UNITED STATES GYPSUM CO — Type ULIX

8. **Finishing System —** (Not Shown) — Vinyl, dry or 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. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board. **Alternate Ceiling Membrane** — Not Shown.

9. **Netting —** Fibrous, woven netting material fastened to underside of each joist with staples, with side joints overlapped.

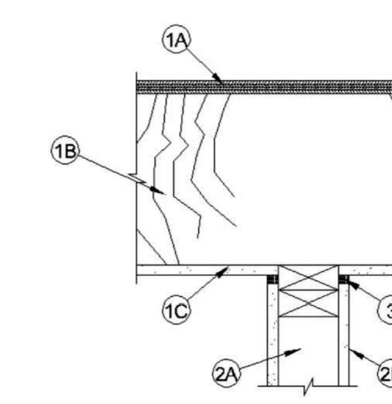
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2021-05-22

1 — UL #P522 (1-HR ROOF-CEILING ASSEMBLY)

NTS

System No. HW-S-0090
Assembly Rating - 1 Hr.
Joint Width - 1/2" Max



1. Floor Assembly — The 1 hr fire-rated wood joist, wood truss or combination wood and steel truss Floor-Ceiling assembly shall be constructed of the materials and in the manner described in the individual L500 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Flooring System — Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design.
B. Wood Joists — Nom 10 in. (254 mm) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required and with ends firestopped.
C. Gypsum Board* — Nom 4 ft. (122 cm) wide by 5/8 in. (16 mm) thick as specified in the individual Floor-Ceiling Design.

2. Wall Assembly — The 1 hr fire rated gypsum board/lumber stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Top plate installed parallel or perpendicular to direction of wood joists and secured to bottom of joists with steel fasteners spaced max 24 in. (610 mm) OC.
B. Gypsum Board* — Gypsum board sheets installed to a min total thickness of 5/8 in. (16 mm) on each side of wall. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that a max 1/2 in. (13 mm) gap shall be maintained between the top of the gypsum board and the ceiling of the floor-ceiling assembly.

3. Joint System — Fill, Void or Cavity Material* — Sealant — Max separation between the bottom of the ceiling and the top of the wall is 1/2 in. (13 mm). Min 5/8 in. (16 mm) thickness of fill material installed to fill the joint, flush with each surface of the wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant, CP606 Sealant or FS-ONE MAX Intumescent Sealant.

2 — UL HW-S-0090 (U300 to L500 JOINT SYSTEM)

NTS

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PLANWORX ARCHITECTURE, PA — REGISTERED ARCHITECTURAL CORPORATION — CERT. NO. 50909 — N.C. — RALEIGH, NC
PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: UL Detail
--
SHEET NUMBER: A0.21

1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes.
2. Contractor is to notify architect immediately of conditions or items varying from depicted information.
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Design No. U305

July 29, 2021

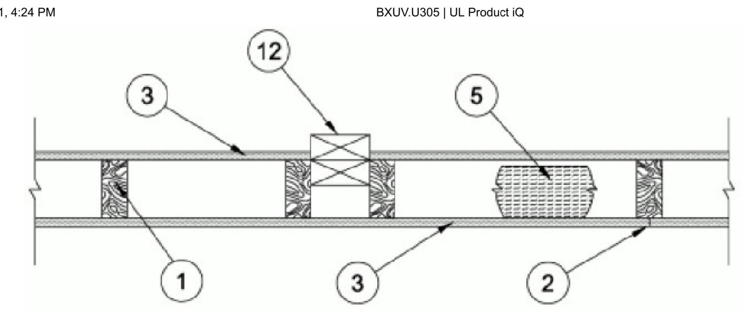
Bearing Wall Rating — 1 Hr

Finish Rating — See Items 3, 3A, 3D, 3E, 3F, 3G, 3H, 3J and 3L.

STC Rating - 56 (See Item 9)

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 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), respectively.**



1. **Wood Studs —** Nom 2 by 4 in. spaced 16 in. OC max, effectively firestopped.

2. **Joints and Nail-Heads —** Joints covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape. Nailheads exposed or covered with joint compound.

3. **Gypsum Board* —** 5/8 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths other than 48 in., gypsum panels are to be installed horizontally. For an alternate method of attachment of gypsum panels, refer to Items 6 through 6F, **Steel Framing Members***.
When Items 6, 6B, 6C, 6D, 6E, or 6F, **Steel Framing Members***, are used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.

When Item 6A, **Steel Framing Members***, is used, two layers of gypsum panels attached to furring channels. Base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC. Face layer attached to furring channels with 1-5/8 in. long Type S bugle-head steel screws spaced 12 in. OC. All joints in face layers staggered with joints in base layers. One layer of gypsum board attached to opposite side of wood stud without furring channels as described in Item 3.

When Item 7, resilient channels are used, 5/8 in. thick, 4 ft wide gypsum panels applied vertically. Screw attached furring channels with 1 in. long, self-drilling, self-tapping Type S or S-12 steel screws spaced 8 in. OC, vertical joints located midway between studs.

AMERICAN GYPSUM CO — Types AGX-1(finish rating 23 min.), M-Glass (finish rating 23 min.), Type AGX-11 (finish rating 26 min), Type AGX-12 (finish rating 22 min), Type LightRoc (finish rating 23 min.) or Type AG-C

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1 (finish rating 24 min)

CABOT MANUFACTURING ULC — Type X (finish rating 22 min), 5/8 Type X, Moisture Resistant Type X, Gypsum Sheathing Type X, Mold & Mildew Resistant Type X and Mold & Mildew Resistant AR Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC — Type C, Type X or Type X-1 (finish rating 26 min); Type EGRG or GlasRoc (finish rating 23 min), GlasRoc-2, Type Habito (finish rating 26 min).

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min), Type ULIX (finish rating 20 min)

CERTAINTEED GYPSUM INC — Type LGFC6A (finish rating 34 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX (finish rating 21 min), Type CLLX (finish rating 24 min)

GEORGIA-PACIFIC GYPSUM L L C — Type 5 (finish rating 26 min), Type 6 (finish rating 23 min), Type 9 (finish rating 26 min), Type C (finish rating 26 min), Type DGG (finish rating 20 min), Type GPFS1 (finish rating 20 min), Type GPFS2 (finish rating 20 min), Type GPFS6 (finish rating 26 min), Type DS, Type DAP, Type DD (finish rating 20 min), Type DA, Type DAPC, Type LS (finish rating 23 min), Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, Type LWX (finish rating 22 min), Veneer Plaster Base-Type LWX (finish rating 22 min), Water

Rated-Type LWX (finish rating 22 min), Sheathing Type-LWX (finish rating 22 min), Soffit-Type LWX (finish rating 22 min), Type DGLW (finish rating 22 min), Water Rated-Type DGLW (finish rating 22 min), Sheathing Type- DGLW (finish rating 22 min), Soffit-Type DGLW (finish rating 22 min), Type LWX (finish rating 22 min), Type LW2X (finish rating 22 min), Veneer Plaster Base - Type LW2X (finish rating 22 min), Water Rated - Type LW2X (finish rating 22 min), Sheathing - Type LW2X (finish rating 22 min), Soffit - Type LW2X (finish rating 22 min), Type DGL2W (finish rating 22 min), Water Rated - Type DGL2W (finish rating 22 min), Sheathing - Type DGL2W (finish rating 22 min)

NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSW-C (finish rating 20 min), Type FSMR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min), Type FSW-8, Type FSLX (finish rating 21 min), Type RSX (finish rating 26 min).

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-2 (finish rating 20 min), PG-3 (finish rating 20 min), Types PG-3W, PG-5W (finish rating 20 min), Type PG-4 (finish rating 20 min), Type PG-6 (finish rating 23 min), Types PG-3WS, PG-5WS, PGS-WRS (finish rating 20 min), Types PG-5, PG-9 (finish rating 26 min), PG-11 PG-13 (Nails increased to 2 in.), Type PG-C or PGI (finish rating 26 min)

PANEL REY S A — Type GREX, GRIX, PRX, PRC, PRC2; Types RHX, Guard Rey, MDX, ETX (finish rating 22 min), PRX2 (finish rating 21 min)

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1 (finish rating 26 min)

THAI GYPSUM PRODUCTS PCL — Type C, Type X (finish rating 26 min)

UNITED STATES GYPSUM CO — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type FRX-G (finish rating 29 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX (finish rating 24 min), Type SGX (finish rating 24 min), Type ULX (finish rating 22 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type ULIX (finish rating 20 min)

USG BORAL DRYWALL SFZ LLC — Type SGX (finish rating 24 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), SCX (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type ULX (finish rating 22 min)

3A. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.

AMERICAN GYPSUM CO — Types AGX-1 (finish rating 25 min.), M-Glass (finish rating 25 min.), AG-C (finish rating 25 min.), LighttRoc (finish rating 25 min.)

CERTAINTEED GYPSUM INC — Type C, Type X, Type X-1 (finish rating 26 min), Type EGRG or GlasRoc.

CGC INC — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SCX (finish rating 24 min), Type SHX (finish rating 24 min), Type WRC (finish rating 24 min), Type WRX (finish rating 24 min)

NATIONAL GYPSUM CO — Type FSW (finish rating 24 min)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX (finish rating 24 min).

USG MEXICO S A DE C V — Type AR (finish rating 24 min), Type C (finish rating 24 min), Type WRX (finish rating 24 min), Type WRC (finish rating 24 min), Type IP-X1 (finish rating 24 min), Type IP-X2 (finish rating 24 min), Type SHX (finish rating 24 min), Type SCX, Type IP-AR (finish rating 24 min), Type IPC-AR (finish rating 24 min)

3B. **Gypsum Board* —** (As an alternate to Item 3) — Nom 3/4 in. thick, installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-3/8 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A.
CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR

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

3C. **Gypsum Board* —** (As an alternate to Items 3, 3A and 3B) — 5/8 in. thick, 2 ft wide, tongue and groove edge, applied horizontally to one side of the assembly. Installed with 1-7/8 in. long cement coated nails as described in Item 3 or 1-1/4 in. long Type W coarse thread gypsum panel steel screws as described in Item 3A. Joint covering (Item 2) not required.
CGC INC — Type SHX

UNITED STATES GYPSUM CO — Type SHX

USG MEXICO S A DE C V — Type SHX

3D. **Gypsum Board* —** (As an alternate to Items 3, 3A, 3B, or 3C — Not Shown) — For Direct Application to Studs Only- 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 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and 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 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. placed on the face of studs and attached to 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 discs or tabs may be used in lieu of or in addition to the lead batten strips 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 underneath screw locations prior to the installation of the screws. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RAY-BAR ENGINEERING CORP — Type RB-LBG (finish rating 24 min)

3E. **Gypsum Board* —** (As an alternate to Items 3, 3A, 3B, 3C, and 3D) — 5/8 in. thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last 2 screws 1 and 4 in. from edge of board or nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.
GEORGIA-PACIFIC GYPSUM L L C — Type DGG (finish rating 20 min), GreenGlass Type X (finish rating 23 min)

3F. **Gypsum Board* —** (As an alternate to Items 3, 3A, 3B, 3C, 3D, and 3E) — 5/8 in. glass-mat faced with square edges, applied either horizontally or vertically. Gypsum panels nailed 7 in. OC around the perimeter and in the field with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Nails shall be placed 1 inch and 3 inch from horizontal joints and 7 inch OC thereafter.
CGC INC — Type USGX (finish rating 22 min)

UNITED STATES GYPSUM CO — Type USGX (finish rating 22 min.)

USG BORAL DRYWALL SFZ LLC — , Type USGX (finish rating 22 min.)

USG MEXICO S A DE C V — Type USGX (finish rating 22 min.)

3G. **Gypsum Board* —** (As an alternate to Items 3 through 3F) — 5/8 in. thick paper surfaced applied vertically. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads.
GEORGIA-PACIFIC GYPSUM L L C — Type X ComfortGuard Sound Deadening Gypsum Board (finish rating 27 min)

3H. **Gypsum Board* —** (As an alternate to Items 3) — Not to be used with items 6 or 7. 5/8 in. thick paper surfaced applied vertically only. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads.
NATIONAL GYPSUM CO — Type SBWB

3I. **Gypsum Board* —** (As an alternate to Items 3 through 3H, Not Shown) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically. Panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads. Panel joints covered with paper tape and two layers of joint compound. Nailheads covered with two layers of joint compound.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES (finish rating 20 min)

3J. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick paper surfaced applied vertically or horizontally. Gypsum panels secured per item 3 or 3A.
CERTAINTEED GYPSUM INC — Type SilentFX

3K. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 8 in. OC with the last screw 1 in. from the edge of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
NATIONAL GYPSUM CO — Type FSK (finish rating 20 min), Type FSK-G (finish rating 20 min), Type FSW (finish rating 20 min), Type FSW-2 (finish rating 24 min), Type FSW-3 (finish rating 20 min), Type FSW-5 (finish rating 22 min), Type FSW-G (finish rating 20 min), Type FSK-C (finish rating 20 min), Type FSW-C (finish rating 20 min), Type FSMR-C, Type FSW-6 (finish rating 20 min), Type FSL (finish rating 24 min).

3L. **Gypsum Board* —** (As an alternate to Item 3) — For Direct Application to Studs Only — 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 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and 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 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick. compression fitted or adhered over the screw heads. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D".
MAYCO INDUSTRIES INC — "X-Ray Shielded Gypsum"

3M. **Gypsum Board* —** (As an alternate to Items 3) — For Direct Application to Studs Only — For use as the base layer or as the face layer. 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 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. 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 and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

3N. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick, 4 ft. wide, applied horizontally or vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Secured as described in Item 3 or 3A.
CERTAINTEED GYPSUM INC — Easi-Lite Type X (finish rating 24 min), Easi-Lite Type X-2 (finish rating 24 min)

3O. **Wall and Partition Facings and Accessories* —** (As an alternate to Item 3, Not Shown) — Nominal 5/8 in. thick, 4 ft wide panels,

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527 (finish rating 24 min).

3P. **Gypsum Board* —** (As an alternate to Item 3, Not Shown) — Two layers nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by wood studs. Horizontal joints on the same side between face and base layers need not be staggered. Base layer gypsum panels fastened to studs with 1-1/4 in. long drywall nails spaced 8 in. OC. Face layer gypsum panels fastened to studs with 1-7/8 in. long drywall nails spaced 8 in. OC starting with a 4" stagger.
NATIONAL GYPSUM CO — Type FSW (finish rating 25 min)

3Q. **Gypsum Board* —** (As an alternate to Item 3) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
CERTAINTEED GYPSUM INC — Type LGFC6A (finish rating 21 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX

3R. **Gypsum Board* —** (As an alternate to Item 3. For use with Item 5H) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 3 above. Applied either horizontally or vertically, and screwed to panels with 1-5/8 in. long Type W coarse thread steel screws at 8 in. OC at perimeter and in the field with the last two screws 4 and 3/4 in. from the edges of the board when applied as the base layer. When used in widths other than 48 in., gypsum panels are to be installed horizontally.

3S. **Gypsum Board* —** 3/4 in. thick paper or vinyl surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels secured as described in Item 3 with nail length increased to 2 in.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

3T. **Wall and Partition Facings and Accessories* —** (As an alternate to 5/8 in. thick board as outlined in Item 3) — Nominal 1-3/8 in. thick, 4 ft wide panels, applied vertically or horizontally. Fastened with #6 x 2 in. long drywall screws spaced 8 in. OC along the perimeter and 12 in. OC in the field.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 545

3U. **Gypsum Board* —** (As an alternate to Item 3 - For use with Foamed Plastic products, Item 5J) — 5/8 in. thick, 4 ft. wide, applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels nailed 7 in. OC with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 15/64 in. diam heads.
AMERICAN GYPSUM CO — Types AGX-1

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1

CABOT MANUFACTURING ULC — Type X

CERTAINTEED GYPSUM INC — Type X

CGC INC — Type SCX

PANEL REY S A — Type PRX

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

THAI GYPSUM PRODUCTS PCL — Type X

UNITED STATES GYPSUM CO — Types SCX and SGX

USG BORAL DRYWALL SFZ LLC — Types SCX and SGX

3V. **Gypsum Board* —** (As an alternate to Item 3. For use with Item 5K) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 3 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field.

4. **Steel Corner Fasteners —** (Optional) — For use at wall corners. Channel shaped, 2 in. long by 1 in. high on the back side with two 1/8 in. wide cleats protruding into the 5/8 in. wide channel, fabricated from 24 gauge galv steel. Fasteners applied only to the end or cut edge (not along tapered edges) of the gypsum board, no greater than 2 in. from corner of gypsum board, max spacing 16 in. OC. Nailed to adjacent stud through tab using one No. 6d cement coated nail per fastener. Corners of wall board shall be nailed to top and bottom plate using No. 6d cement coated nails.

5. **Batts and Blankets* —** (Optional — Required when Item 6A is used (RC-1)) — Glass fiber or mineral wool insulation. Placed to completely or partially fill the stud cavities. When Item 6A is used, glass fiber or mineral wool insulation shall be friction-fitted to completely fill the stud cavities.
CERTAINTEED CORP

JOHNS MANVILLE

KNAUF INSULATION LLC

MANSON INSULATION INC

ROCKWOOL — Types Acoustical Fire Batts and Type AFB, min. density 1.69 pcf / 27.0 kg/m^3

ROCKWOOL MALAYSIA SDN BHD — Type Acoustical Fire Batts

ROCK WOOL MANUFACTURING CO — Delta Board

THERMAFIBER INC — Type SAFB, SAFB FF

5A. **Fiber, Sprayed* —** (Not Shown — Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft^3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft^3, in accordance with the application instructions supplied with the product. When Item 6B is used, Fiber, Sprayed shall be INS735, INS745, INS750LD, INS765LD, INS773LD or SANCTUARY.

U S GREENFIBER L L C — INS735, INS745, INS750LD and SANCTUARY for use with wet or dry application. INS515LD, INS541LD, INS735, INS765LD, and INS773LD are to be used for dry application only

5B. **Fiber, Sprayed* —** (Not Shown - Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

5C. **Batts and Blankets* —** Required for use with resilient channels, Item 7, 3 in. thick mineral wool batts, friction-fitted to fill interior of wall.
THERMAFIBER INC — Type SAFB, SAFB FF

5D. **Glass Fiber Insulation —** (As an alternate to Item 5C) — 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the interior of the wall. See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

5E. **Batts and Blankets* —** (Required for use with Wall and Partition Facings and Accessories, Item 3D) — Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities. See Batts and Blankets Category (BKNV) for names of manufacturers

pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See **Fiber, Sprayed** (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5G. **Fiber, Sprayed* —** (Optional, Not Shown — Not for use with Items 6, 6A, 6B, 6C, or 6D). — As an alternate to Batts and Blankets (Item 5) and Item 5A - Brown Colored Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed stud cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft^3.
INTERNATIONAL CELLULOSE CORP — Celbar-RL

5H. **Foamed Plastic* —** (Optional -For use with Item 3R) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
SES FOAM INC — Nexseal™ 2.0 or Nexseal™ 2.0 LE Spray Foam and Sucraseal Spray Foam.

5I. **Fiber, Sprayed* —** (Not Shown — Not for use with Item 6) — As an alternate to Batts and Blankets (Item 5) - Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft^3.
APPLEGATE HOLDINGS L L C — Applegate Advanced Stabilized Cellulose Insulation

5J. **Foamed Plastic* —** (Optional, Not Shown - For use with Item 3U) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
GACO WESTERN L L C — Types GacoEZSpray F4500, GacoProFill FR6500R, Gaco 052N, GacoOnePass F1850, GacoOnePass Low GWP F1880, and Gaco WallFoam 183M

5K. **Foamed Plastic* —** (Optional, Not Shown - For use with Item 3V) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
CARLISLE SPRAY FOAM INSULATION — Types 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 Foamsulate HFO.

6. **Steel Framing Members* —** (Optional, Not Shown) — 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 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to studs with No. 8 x 1-1/2 in. coarse drywall 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)

6A. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members on 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. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. 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 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Aa) to one side of studs 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

6B. **Steel Framing Members* —** (Optional, Not Shown) — 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 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ba) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
PLITEQ INC — Type Genie Clip

6C. **Steel Framing Members* —** (Optional, Not Shown) — 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 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with No. 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

6D. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. **Furring 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 a double strand of No. 18 AWG twisted steel wire. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Da) 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 fitted into clips.
REGUPOL AMERICA — Type SonusClip

6E. **Steel Framing Members* —** (Optional, Not Shown) — 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 3.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 6Ea) 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

6F. **Steel Framing Members* —** (Optional, Not Shown) — 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. or 1-1/2 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 3.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Fa) to studs. Clips spaced 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

6G. **Steel Framing Members* —** (Optional, Not Shown) — Used as an alternate method to attach resilient channels to wall studs. A resilient sound isolation accessory shall be used at each attachment point of the resilient channels and spaced max 16 in. O.C. Channel ends butted and centered under the structural members and attached with one accessory at each end. Additional accessories used to hold resilient channels that support the gypsum board end joints. The accessory envelops the mounting edge of the resilient channel. The accessory and resilient channel are fastened to the structural members with the screws supplied with the accessory and per the

PAC INTERNATIONAL L L C — Type RC-1 Boost

7. **Furring Channel —** Optional — Not Shown — For use on one side of the wall - Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Items 5C or 5D is required.

8. **Caulking and Sealants —** (Not Shown, Optional) — A bead of acoustical sealant applied around the partition perimeter for sound control.

9. **STC Rating —** The STC Rating of the wall assembly is 56 when it is constructed as described by Items 1 through 6, except:

A. Item 2, above — Nailheads Shall be covered with joint compound.

B. Item 2, above — Joints As described, shall be covered with fiber tape and joint compound.

C. Item 5, above — Batts and Blankets* The cavities formed by the studs shall be friction fit with R-19 unfaced fiberglass insulation batts measuring 6-1/4 in. thick and 15-1/4 in. wide.

D. Item 6, above — Steel Framing Members* Type RSIC-1 clips shall be used to attach gypsum board to studs on either side of the wall assembly.

E. Item 8, above — Caulking and Sealants (Not Shown) A bead of acoustical sealant shall be applied around the partition perimeter for sound control.

F. Steel Corner Fasteners (Item 4), Fiber, Sprayed (Items 5A and 5B) and Steel Framing Members (Item 6A), not evaluated as alternatives for obtaining STC rating.

10. **Wall and Partition Facings and Accessories* —** (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

11. **Cementitious Backer Units* —** (Optional Item Not Shown — For Use On Face Of 1 Hr Systems With All Standard Items Required) - 7/16 in., 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide. Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC. When 4 ft. wide boards are used, horizontal joints need not be backed by framing.
NATIONAL GYPSUM CO — Type DuraBacker, PermaBase, DuraBacker Plus, or PermaBase Plus

12. **Non-Bearing Wall Partition Intersection —** (Optional) —Two nominal 2 by 4 in. studs or nominal 2 by 6 in. studs nailed together with two 3 in. long 10d nails spaced a max. 16 in. OC. vertically and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max. 16 in. OC. vertically. Intersection between partition wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed by with a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC. vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

13. **Mesh Netting —** (Not Shown) — Any thin, woven or non-woven fibrous netting material attached with staples to the outer face of one row of studs to facilitate the installation of the sprayed fiber from the opposite row.

14. **Mineral and Fiber Board* —** (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to framing with 2 in. long Type W steel screws, spaced 12 in. OC. The required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except

that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.
HOMASOTE CO — Homasote Type 440-32

14A. **Mineral and Fiber Board* —** (Optional, Not Shown) — For use with Items 14B-14E) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to framing with minimum 1-3/8 in. long ring shanked nails or 1-1/4 in. long Type W steel screws, spaced 12 in. OC along board edges and 24 in. OC in field of board along intermediate framing. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.
HOMASOTE CO — Homasote Type 440-32

14B. **Glass Fiber Insulation —** (For use with Item 14A) — 3-1/2 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, placed to fill the interior of the wall. See Batts and Blankets (BKNV or BZJZ) categories for names of Classified companies.

14C. **Batts and Blankets* —** (As an alternate to Item 14B, For use with Item 14A), 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 3-1/2 in. face of the studs with staples placed 24 in. OC.
THERMAFIBER INC — Type SAFB, SAFB FF

14D. **Adhesive —** (For use with Item 14A) — Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 14A).

14E. **Gypsum Board* —** (For use with Item 14A) — 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 14A) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 14A). Secured to outermost studs and bearing plates with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound. Finish Rating 30 Min.
AMERICAN GYPSUM CO — Type AG-C

CERTAINTEED GYPSUM INC — Type C

CGC INC — Types C, IP-X2, IPC-AR

CERTAINTEED GYPSUM INC — Type LGFC-C/A

GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C

NATIONAL GYPSUM CO — Types FSK-C, FSW-C

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C

PANEL REY S A — Type PRC

THAI GYPSUM PRODUCTS PCL — Type C

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

USG BORAL DRYWALL SFZ LLC — Type C

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

14F. **Mineral and Fiber Board —** (Optional, Not Shown) — For optional use as an additional layer on one side of wall - Nom 1/2 in. thick, 4 ft wide, square edge fiber boards applied vertically to studs on one side of the wall in between the wood studs and the UL Classified Gypsum Board (Item 3). Fiber boards installed with 1-1/4 in. long, Type W, bugle head, coarse thread gypsum board screws spaced 12 in. OC max, with the last screws spaced 2 in. and 6 in. from edge of board. Gypsum board (Item 3) installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.
BLUE RIDGE FIBERBOARD INC — SoundStop

*** 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 2021-07-29

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1 UL #U305 (1-HR INTERIOR BEARING WALL ASSEMBLY)

NTS

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PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION

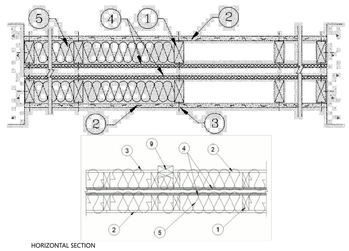
PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: UL Detail
--
SHEET NUMBER: A0.22

Design No. U341

July 29, 2021

Bearing Wall Rating — 1 Hr.
Finish Rating — Min 20 min.
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 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), respectively.**



HORIZONTAL SECTION

1. **Wood Studs —** Nom 2 by 4 in., spaced 24 in. OC max. Cross braced at mid-height and effectively firestopped at top and bottom of wall. No min. air space between stud rows except to accommodate attachment of sheathing, where required. See items 4 and 5.

2. **Gypsum Board* — Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. L501, G512 or U305.** Nom 5/8 in. thick 4 ft wide. Gypsum board applied horizontally or vertically, unless specified below, and nailed to studs and bearing plates 7 in. OC with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam head. As an alternate, No. 6 bugle head drywall screws, 1-7/8 in. long, may be substituted for the 6d cement coated nails.
When **Steel Framing Members*** (Item 6 or any alternate clips) are used, wallboard attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.

When used in widths other than 48 in., gypsum board to be installed horizontally.

AMERICAN GYPSUM CO (View Classification) — CKNX.R14196

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO (View Classification) — CKNX.R19374

CABOT MANUFACTURING ULC (View Classification) — CKNX.R25370

CERTAINTEED GYPSUM INC (View Classification) — CKNX.R3660

CGC INC (View Classification) — CKNX.R19751

CERTAINTEED GYPSUM INC (View Classification) — CKNX.R18482

GEORGIA-PACIFIC GYPSUM L L C (View Classification) — CKNX.R2717

LOADMASTER SYSTEMS INC (View Classification) — CKNX.R11809

NATIONAL GYPSUM CO (View Classification) — CKNX.R3501

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM (View Classification) — CKNX.R7094

PANEL REY S A (View Classification) — CKNX.R21796

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD (View Classification) — CKNX.R19262

THAI GYPSUM PRODUCTS PCL (View Classification) — CKNX.R27517

UNITED STATES GYPSUM CO (View Classification) — CKNX.R1319

USG BORAL DRYWALL SFZ LLC (View Classification) — CKNX.R38438

USG BORAL DRYWALL SFZ LLC (View Classification) — CKNX.R38438

USG MEXICO S A DE C V (View Classification) — CKNX.R16089

2A. **Gypsum Board* —** (As an alternate to Item 2, not shown) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically to studs and bearing plates on one side of the assembly with 1-5/8 in. long Type S screws spaced 12 in. OC at perimeter of panels and 8 in. OC in the field. Horizontal joints of vertically applied panels need not be backed by studs. Panel joints covered with paper tape and two layers of joint compound. Screwheads covered with two layers of joint compound. Batts and Blankets placed in stud cavity as described in Item 5C. Not evaluated for use with Steel Framing Members, Furring Channels or Fiber, Sprayed.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-530 (finish rating 23 min).

2B. **Gypsum Board* —** (As an alternate to Item 2, not shown) — Any 5/8 in. thick gypsum panels that are eligible for use in Design Nos. L501, G512 or U305, supplied by the Classified companies listed below shown in the **Gypsum Board*** (CKNX) category. Applied horizontally or vertically and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum board to be installed horizontally.
UNITED STATES GYPSUM CO

USG BORAL DRYWALL SFZ LLC

USG MEXICO S A DE C V

2C. **Gypsum Board* —** (As an alternate to Item 2, Not Shown) — 5/8 in. thick gypsum panels applied horizontally or vertically and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum board to be installed horizontally.
AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRoc

CERTAINTEED GYPSUM INC — Type C, Type X or Type X-1

NATIONAL GYPSUM CO — Type FSK, Type FSK-G, Type FSW, Type FSW-3, Type FSW-5, Type FSW-G, Type FSK-C, Type FSW-C, Type FSMR-C, Type FSW-6, Type FSL

THAI GYPSUM PRODUCTS PCL — Type C or Type X

2D. **Gypsum Board* —** (As an alternate to Items 2, 2A, 2B and 2C) — 5/8 in. thick gypsum panels, with square edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last 2 screws 1 and 4 in. from edge of board or nailed as described in Item 2. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.

2E. **Gypsum Board* —** (As an alternate to Items 2 through 2D) — 5/8 in. thick, 4 ft. wide, paper surfaced applied vertically only and secured as described in Item 2.
GEORGIA-PACIFIC GYPSUM L L C — Type X ComfortGuard Sound Deadening Gypsum Board.

2F. **Gypsum Board* —** (As an alternate to Items 2 through 2E) - Installed as described in Item 2. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically only and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC. Not for use with item #6.
NATIONAL GYPSUM CO — Type SBWB

2G. **Gypsum Board* —** (As an alternate to Items 2 through 2F) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 2.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types QuietRock ES.

2H. **Gypsum Board* —** (As an alternate to Items 2 through 2G) — Installed as described in Item 2. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically or horizontally fastened to the studs and plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.
CERTAINTEED GYPSUM INC — Type SilentFX

2I. **Wall and Partition Facings and Accessories* —** (As an alternate to Items 2 through 2H) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 2.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527.

2J. **Gypsum Board* —** (As an alternate to 5/8 in. Type FSW in Item 2) — 2 layers nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal joints on the same side need not be staggered. Inner layer attached with fasteners, as described in item 2, spaced 24 in. OC. Outer layer attached per Item 2.
NATIONAL GYPSUM CO — Type FSW.

2K. **Gypsum Board* —** (As an alternate to Item 2) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
CERTAINTEED GYPSUM INC — Type LGFC6A (finish rating 21 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX

3. **Joints and Nailheads —** Gypsum board joints of outer layer covered with tape and joint compound. Nail heads of outer layer covered with joint compound. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with joints reinforced with paper tape.

4. **Sheathing —** (Optional) — Septum may be sheathed with min 7/16 in. thick wood structural panels min grade "C-D" or "Sheathing" or min 1/2 in. thick **Mineral and Fiber Boards***
See **Mineral and Fiber Boards** (CERZ) category for names of Classified companies.

5. **Batts and Blankets* —** 3-1/2 in. max thickness glass or mineral fiber batt insulation. **Optional** when sheathing (Item 4) is used on both halves of wall.
See **Batts and Blankets** (BZJZ) category for list of Classified companies.

5A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 5) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft^3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft^3, in accordance with the application instructions supplied with the product.

U S GREENFIBER L L C — INS715, INS745, INS750LD and SANCTUARY for use with wet or dry application. INS515LD, INS541LD, INS735, INS765LD, and INS773LD are to be used for dry application only.

5B. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 5) when Sheathing (Item 4) is used on both halves of wall - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

5C. **Batts and Blankets* —** (Required for use with Wall and Partition Facings and Accessories, Item 2A. Use of Sheathing, Item 4, does not nullify requirement of Item 5C for use with Item 2A) — Glass fiber insulation, nom 3-1/2 in. thick, min. density of 0.80 pcf, with a flame spread of 25 or less and a smoke developed of 50 or less, friction-fitted to completely fill the stud cavities. See Batts and Blankets Category (BKNV) for names of manufacturers.

5D. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 5) and Item 5A when Sheathing (Item 4) is used on both halves of wall - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft^3.
INTERNATIONAL CELLULOSE CORP — Celbar-RL

5E. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 5) - Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft^3.
APPLEGATE HOLDINGS L L C — Applegate Advanced Stabilized Cellulose Insulation

6. **Steel Framing Members* —** (Optional, Not Shown) — 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 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Wallboard attached to furring channels as described in Item 2.

8. **Steel Framing Members* —** Used to attach furring channels (Item a) to studs (Item 1) . Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips, RSIC-1 clip for use with 2-9/16 in. wide furring channels, RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75).

6A. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 6) — 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 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
PLITEQ INC — Type Genie Clip

6B. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 6) — 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 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ba) 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 are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

6C. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 6) — 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 6Cb. 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 2.

8. **Steel Framing Members* —** Used to attach furring channels (Item 6CA) 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 fitted into clips.
REGUPOL AMERICA — Type SonusClip

6D. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 6) — 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 2.

b. **Steel Framing Members* —** Used to attach resilient channels (Item 6Da) 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

6E. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 6) — Used as an alternate method to attach resilient channels to wall studs. A resilient sound isolation accessory shall be used at each attachment point of the resilient channels and spaced max 24 in. O.C. Channel ends butted and centered under the structural members and attached with one accessory at each end. Additional accessories used to hold resilient channels that support the gypsum board end joints. The accessory envelops the mounting edge of the resilient channel. The accessory and resilient channel are fastened to the structural members with the screws supplied with the accessory and per the accessory manufacturer's installation instructions.
PAC INTERNATIONAL L L C — Type RC-1 Boost

6F **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 6) — 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. or 1-1/2 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b **Steel Framing Members* —** Used to attach furring channels (Item 6Fa) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

7. **Wall and Partition Facings and Accessories* —** (Optional, Not shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

8. **Mineral and Fiber Board* —** ((Optional, Not Shown) — For optional use as an additional layer on one or both sides of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to framing as described in Item 2. The required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.
HOMASOTE CO — Homasote Type 440-32

9. **Non-Bearing Wall Partition Intersection —** (Optional) — Two nominal 2 by 4 in. stud or nominal 2 by 6 in. stud nailed together with two 3in. long 10d nails spaced a max. 16 in. OC, vertically and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max 16 in. OC, vertically. Intersection between partition wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed by with a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC, vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

(Optional, Not Shown) Alternate Construction For Use On One Side Of The Wall.

10. **Mineral and Fiber Board* —** For use with Items 10A-10D) —Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to framing with minimum 1-3/8 in. long ring shanked nails or 1-1/4 in. long Type W steel screws, spaced 12 in. OC along board edges and 24 in. OC in field of board along intermediate framing. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.
HOMASOTE CO — Homasote Type 440-32

10A. **Glass Fiber Insulation —** (For use with Item 10) — 3-1/2 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, placed to fill the interior of the wall. See Batts and Blankets (BKNV or BZJZ) categories for names of Classified companies.

10B. **Batts and Blankets* —** (As an alternate to Item 10B, For use with Item 10), 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the 3-1/2 in. face of the studs with staples placed 24 in. OC.
THERMAFIBER INC — Type SAFB, SAFB FF

10C. **Adhesive —** (For use with Item 10) — Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 14A).

10D. **Gypsum Board* —** (For use with Item 10) — 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 14A) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 10). Secured to outermost studs and bearing plates with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound. Finish Rating 30 Min.
AMERICAN GYPSUM CO — Type AG-C

CERTAINTEED GYPSUM INC — Type C

CERTAINTEED GYPSUM INC — Type LGFC-C/A

GEORGIA-PACIFIC GYPSUM L L C — Types S, DAPC, TG-C

NATIONAL GYPSUM CO — Types FSK-C, FSW-C

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C

PANEL REY S A — Type PRC

THAI GYPSUM PRODUCTS PCL — Type C

UNITED STATES GYPSUM CO — Type CTypes C, IP-X2, IPC-AR

USG BORAL DRYWALL SFZ LLC — Type C

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

*** 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 2021-07-29

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Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE:	11-24-21 (99% Set)
ISSUE DATE:	

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
-			

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: UL Detail

1 UL #U341 (1-HR DWELLING UNIT SEPARATION)
NTS

SHEET NUMBER: A0.23

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Design No. U356

October 07, 2020

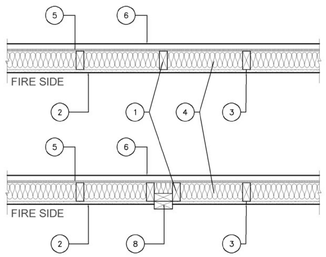
Bearing Wall Rating - 1 Hr Rating Exposed to Fire on Interior Face Only

Bearing Wall Rating — 1 Hr Rating Exposed to Fire on Exterior Face (See Item 6E)

Finish Rating — 23 Min or 25 Min (See Item 2C)

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 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), respectively.**



1. **Wood Studs —** Nom 2 by 4 in. spaced 16 in. OC with two 2 by 4 in. top and one 2 by 4 in. bottom plates. Studs laterally-braced by wood structural panel sheathing (Item 5). When **Mineral and Fiber Boards*** (Item 5A) are considered as bracing for the studs, the load is restricted to 76% of allowable axial load. Walls effectively fire stopped at top and bottom of wall.

2. **Gypsum Board* — Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. L501, G512 or U305.** Nom 5/8 in. thick, 4 ft wide, applied vertically and nailed to studs and bearing plates 7 in. OC with 6d cement-coated nails, 1-7/8 in. long w/h 1/4 in. diam head.
When Item **Steel Framing Members*** (Item 7 or any alternate clips), is used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.
When Item 7A **Steel Framing Members***, is used, two layers of gypsum panels attached to furring channels. Base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC. Face layer attached to furring channels with 1-5/8 in. long Type S bugle-head steel screws spaced 12 in. OC. All joints in face layers staggered with joints in base layers.
AMERICAN GYPSUM CO (View Classification) — CKNXR14196

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO (View Classification) — CKNX.R19374

CABOT MANUFACTURING ULC (View Classification) — CKNX.R25370

CERTAINTEED GYPSUM INC (View Classification) — CKNX.R3660

CGC INC (View Classification) — CKNX.R19751

CERTAINTEED GYPSUM INC (View Classification) — CKNX.R18482

GEORGIA-PACIFIC GYPSUM L L C (View Classification) — CKNX.R2717

LOADMASTER SYSTEMS INC (View Classification) — CKNX.R11809

NATIONAL GYPSUM CO (View Classification) — CKNX.R3501

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM (View Classification) — CKNX.R7094

PANEL REY S A (View Classification) — CKNX.R21796

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD (View Classification) — CKNX.R19262

THAI GYPSUM PRODUCTS PCL (View Classification) — CKNX.R27517

UNITED STATES GYPSUM CO (View Classification) — CKNX.R1319

USG BORAL DRYWALL SFZ LLC (View Classification) — CKNX.R38438

USG MEXICO S A DE C V (View Classification) — CKNX.R16089

2A. **Gypsum Board* —** (As an alternate to Item 2, Not Shown) — Any 5/8 in. thick 4 ft wide gypsum panels that are eligible for use in Design Nos. L501, G512 or U305, supplied by the Classified Companies listed below shown in the **Gypsum Board*** (CKNX) category. Applied vertically and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.
CGC INC

UNITED STATES GYPSUM CO

USG BORAL DRYWALL SFZ LLC

USG MEXICO S A DE C V

2B. **Gypsum Board* —** (As an alternate to Item 2, Not Shown) — 5/8 in. thick 4 ft wide gypsum panels applied vertically and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.
AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRoc

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC — Type C, Type X, Type X-1, Easi-Lite Type X-2

GEORGIA-PACIFIC GYPSUM L L C — Types X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, Type X ComfortGuard Sound Deadening Gypsum Board.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-11, PGS-WRS, PGI.

THAI GYPSUM PRODUCTS PCL — Type C or Type X

2C. **Gypsum Board* —** (As an alternate to Item 2, Not Shown) — For Use with Item 5A only - 5/8 in. thick 4 ft wide gypsum panels applied horizontally and attached to studs and bearing plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screws 1 in.and 4 in. from edges of board. Finish Rating is 25 min.
CABOT MANUFACTURING ULC — 5/8 Type X, Type Blueglass Exterior Sheathing

GEORGIA-PACIFIC GYPSUM L L C — Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-11, PGS-WRS, PGI

2D. **Gypsum Board* —** (As an alternate to Item 2) — Not to be used with item 7. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically only and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.
NATIONAL GYPSUM CO — Type SBWB

2E **Gypsum Board* —** (As an alternate to Items 2 through 2D) — Nominal 5/8 in. thick, 4 ft wide panels, secured as described in Item 2.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES.

2F. **Gypsum Board* —** (As an alternate to Item 2) — Not to be used with item 7. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically or horizontally and fastened to the studs and plates with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board.
CERTAINTEED GYPSUM INC — Type SilentFX

2G. **Wall and Partition Facings and Accessories* —** (As an alternate to Items 2 through 2F) — Nominal 5/8 in. thick, 4 ft wide panels, secured as described in Item 2.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527.

2H. **Gypsum Board* —** (As an alternate to Item 2) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a maximum 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
CERTAINTEED GYPSUM INC — Type LGFC6A (finish rating 21 min), Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX

2I. **Gypsum Board* —** (As an alternate to Item 2) — 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths of other than 48 in., gypsum boards are to be installed horizontally.
AMERICAN GYPSUM CO — Types AGX-1 (finish rating 25 min.), M-Glass (finish rating 25 min.), AG-C (finish rating 25 min.), LightRoc (finish rating 25 min.)

NATIONAL GYPSUM CO — Type FSK, Type FSK-G, Type FSW, Type FSW-3, Type FSW-5, Type FSW-G, Type FSK-C, Type FSW-C, Type FSMR-C, Type FSW-6, Type FSL

2J. **Gypsum Board* —** (As an alternate to Item 2) - 5/8 in. thick gypsum panels, with beveled, square, or tapered edges, applied either horizontally or vertically. Gypsum panels fastened to framing with 1-1/4 in. long Type W coarse thread steel screws spaced a max 8 in. OC with the last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum boards are to be installed horizontally.
CERTAINTEED GYPSUM INC — Type C, Type X or Type X-1(finish rating 26 min), Easi-Lite Type X (finish rating 24 min), Easi-Lite Type X-2, Type EGRG or GlasRoc or GlasRoc Sheathing (finish rating 23 min)

3. **Joints and Fastener Heads —** (Not Shown) — Gypsum board joints covered with tape and joint compound. Fastener heads covered with joint compound.

4. **Batts and Blankets* —** Mineral fiber or glass fiber insulation, 3-1/2 in. thick, pressure fit to fill wall cavities between studs and plates. Mineral fiber insulation to be unfaced and to have a min density of 3 pcf. Glass fiber insulation to be faced with aluminum foil or kraft paper and to have a min density of 0.9 pcf (min R-13 thermal insulation rating).
See **Batts and Blankets*** (BKNV) Category in the Building Materials Directory and **Batts and Blankets*** (BZJZ) Category in the Fire Resistance Directory for names of Classified Companies.

4A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 4) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft^3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft^3, in accordance with the application instructions supplied with the product.
U S GREENFIBER L L C — INS735 and INS745 for use with wet or dry application. INS515LD, INS541LD, INS735, INS745, INS765LD, and INS773LD are to be used for dry application only.

4B. **Fiber, Sprayed* —** As an alternate to Item 4 and 4A — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 4.58 lb/ft^3.
NU-WOOL CO INC — Cellulose Insulation

4C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 4) — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft^3.
INTERNATIONAL CELLULOSE CORP — Cellar-RL

application instructions supplied with the product. See Fiber, Sprayed (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

5. **Wood Structural Panel Sheathing —** Min 7/16 in. thick, 4 ft wide wood structural panels, min grade "C-D" or "Sheathing". Installed with long dirnension of sheet (strength axis) or face grain of plywood parallel with or perpendicular to studs. Vertical joints centered on studs. Horizontal joints backed with nom 2 by 4 in. wood blocking. Attached to studs on exterior side of wall with 6d cement coated box nails spaced 6 in. OC at perimeter of panels and 12 in. OC along interior studs.

5A. **Mineral and Fiber Boards* —** As an alternate to Item 5 - Min 1/2 in. thick, 4 ft wide sheathing, installed vertically to studs. Vertical joints centered on studs. Horizontal joints backed with nom 2 by 4 in. wood blocking. Attached to studs on exterior side of wall with 1-1/2 in. long galvanized roofing nails spaced 6 in. OC at perimeter of panels and 12 in. OC along interior studs. As an option a weather resistive barrier may be applied over the Mineral and Fiber Boards.

6. **Exterior Facings —** Installed in accordance with the manufacturer's installation instructions. One of the following exterior facings is to be applied over the sheathing:

A. **Vinyl Siding — Molded Plastic* —** Contoured rigid vinyl siding having a flame spread value of 20 or less.
See **Molded Plastic** (BTAT) category in the Building Materials Directory for names of manufacturers.

B. **Particle Board Siding —** Hardboard exterior sidings including patterned panel or lap siding.

C. **Wood Structural Panel or Lap Siding —** APA Rated Siding, Exterior, plywood, OSB or composite panels with veneer faces and structural wood core, per PS 1 or APA Standard PRP-108, including textured, rough sawn, medium density overlay, brushed, grooved and lap siding.

D. **Cementitious Stucco —** Portland cement or synthetic stucco systems with self-furring metal lath or adhesive base coat. Thickness from 3/8 to 3/4 in., depending on system.

E. **Brick Veneer —** Any type on nom 4 in. wide brick veneer. When brick veneer is used, the rating is applicable with exposure on either face. Brick veneer fastened with corrugated metal wall ties attached over sheathing to wood studs with 8d nail per tie: ties spaced not more than each sixth course of brick and max 32 in. OC horizontally. One in. air space provided between brick veneer and sheathing.

F. **Exterior Insulation and Finish System (EIFS) —** Nom 1 in. **Foamed Plastic*** insulation bearing the UL Classification Marking, attached over sheathing and finished with coating system, or Portland cement or synthetic stucco systems, in accordance with manufacturer's instructions. See **Foamed Plastic** (BRYX and CCVW) categories for names of Classified companies.

G. **Siding —** Aluminum or steel siding attached over sheathing to studs.

H. **Fiber-Cement Siding —** Fiber-cement exterior sidings including smooth and patterned panel or lap siding.

I. **Wall and Partition Facings and Accessories* —** Stone veneer is mortar bonded to a lath, scratch coat and water resistant barrier applied to sheathing, installed in accordance with the manufacturers installation instructions, and meeting the requirements of local code agencies.
ELDORADO STONE OPERATIONS L L C — Type Eldorado Stone

J. **Cementitious Backer Units —** 1/2 in. or 5/8 in., min. 32 in. wide. - Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum 3/4 in., spaced a max of 8 in. OC. Horizontal joints need not be backed by framing. When Cementitious Backer Units are used, the rating is applicable with exposure on either face. Cementitious Backer Units for use as substrate for exterior finishes such as ceramic tile, slate, marble, natural stone, manufactured stone, thin brick, or Portland cement or synthetic stucco.

NATIONAL GYPSUM CO — Type PermaBase

6A. **Building Units* — As an alternate to Exterior Facing Item 6 —** Insulated steel panels, 12 through 42 in. wide. Attached over sheathing through retainer clips to studs or support steel with No. 14 hex head self-tapping screws located at each joint in the concealed lip of the units and spaced in accordance with the structural design requirements. KINGSPAN INSULATED PANELS INC — Types 200, 300, 400, 900, or KS series, 2 through 6 in. thickness CWP-V, H, 2 through 3 in. nominal thickness or Designwall 2000 or Designwall 4000, 2 and 3 in. nominal thickness.

7. **Steel Framing Members* —** (Optional, Not Shown) — 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 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7A) 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 grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1; RSIC-1 (2.75).

7A. **Steel Framing Members* —** (Optional, Not Shown, 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, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. Two layers of gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Aa) to interior side of studs. 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.

7B. **Steel Framing Members* —** (Optional, Not Shown, 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 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to studs. Clips spaced 48 in. OC. Genie clips secured to studs with No. 8 x 1-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
PLITEQ INC — Type Genie Clip

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 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ca) 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 are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type AZ3TR

7D. **Steel Framing Members* —** (Optional, Not Shown, 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. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 7Db. 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 2.

b. **Steel Framing Members* —** Used to attach furring channels (Item 7Da) 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 fitted into clips.
REGUPOL AMERICA — Type SonusClip

7E. **Steel Framing Members* —** (Optional, Not Shown, As an alternate to Item 7) — 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 2.

b. **Steel Framing Members* —** Used to attach resilient 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. 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

7F **Steel Framing Members* —** (Optional, Not Shown, 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. or 1-1/2 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 2.

b **Steel Framing Members* —** Used to attach furring channels (Item 7Fa) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

2 by 4 in. studs. The wall partition wood studs are to be framed by with a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC. vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the bearing wall.

*** 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 2020-10-07

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ASSEMBLY SOUND RATINGS

WALL ASSEMBLY (UL ASSEMBLY)	STC RATING	IIC RATING	TEST NUMBER/STANDARD
U341	58	N/A	TL-93-270 / NRC-CNRC
U356	52	N/A	BW-35ST 1969 / GEIGER AND HAMME
U305	52	N/A	BW-35ST 1969 / GEIGER AND HAMME
U336	60	N/A	RAL-TL88-350 / USG DESIGN STUDIO
FLOOR ASSEMBLY (UL ASSEMBLY)	**STC RATING**	**IIC RATING**	**TEST NUMBER/STANDARD**
* L528 W/ RESILIENT CHANNEL	58	51	RAL-TL-97-340 & RAL-IN-97-47/USG LEVELROCK SOUND CONTROL
L577 W/ RESILIENT CHANNEL	58	51	RAL-TL-97-340 & RAL-IN-97-47/USG LEVELROCK SOUND CONTROL

* NOTE: THE FLOOR ASSEMBLIES LISTED ARE SIMILAR TO L521 IN COMPOSITION, THEREFORE THE 2 DECIBEL DIFFERENCE BETWEEN VINYL AND CUSHIONED VINYL FLOORING IN THE TEST WAS USED FOR DETERMINING THE STC AND IIC FOR THE L528 & L574.

EXTERIOR WALLS

GA FILE NO. WP 8105 | **GENERIC** | **1 HOUR FIRE**

GYPSUM WALLBOARD, GYPSUM SHEATHING, WOOD STUDS

EXTERIOR SIDE: One layer 48" wide 5/8" type X gypsum sheathing applied parallel to 2 x 4 wood studs 24" o.c. with 1 3/4" galvanized roofing nails 4" o.c. at vertical joints and 7" o.c. at intermediate studs and top and bottom plates . Joints of gypsum sheathing may be left unsealed. Exterior cladding to be attached through sheathing to studs.

INTERIOR SIDE: One layer 5/8" type X gypsum wallboard, water-resistant gypsum backing board, or gypsum veneer base applied parallel or at right angles to studs with 6d coated nails 1 7/8" long, 0.0915" shank, 1/4" heads 7" o.c. **(LOAD-BEARING)**

Thickness: Varies
Approx. Weight: 7 psf
Fire Test: See WP 3510 (UL R3501-47, -48, 9-17-65, UL Design U309; UL R1319-129, 7-22-70, UL Design U314)

1 UL #U356 (1-HR EXTERIOR BEARING WALL ASSEMBLY)
NTS

2 GA FILE NO. WP 8105 (1-HR BREEZEWAY WALL ASSEMBLY)
NTS

3 ASSEMBLY SOUND RATING CHART
NTS

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2. Contractor is to notify architect immediately of conditions or items varying from depicted information.
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Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida

PROGRESS DATE:			
ISSUE DATE:			
REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION
1			11-24-21 (99% Set)

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: UL Detail
SHEET NUMBER: A0.24

Design No. U366

December 04, 2020

Nonbearing Wall Rating - 2 Hr (Separation Wall, See Items 1, 2 and 3)

Bearing Wall Rating - 2 Hr (Protected Wall, See Items 4 and 4A)

Nonbearing Wall Rating - 2 Hr (Protected Wall, See Item 4B)

Finish Rating - 120 Min

STC Rating - 61 (see Item 9)

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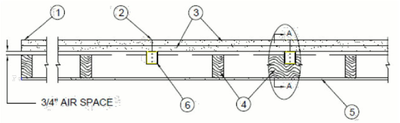
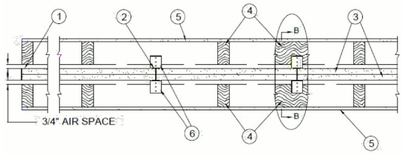
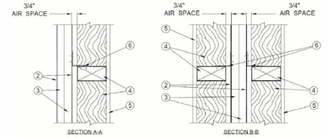
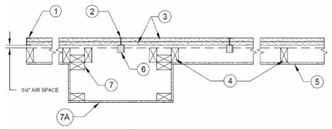


CONFIGURATION A
EXPOSED TO FIRE FROM AREA SEPARATION WALL SIDE ONLY

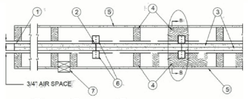


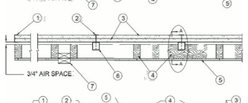
CONFIGURATION B
EXPOSED TO FIRE FROM EITHER SIDE

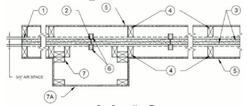




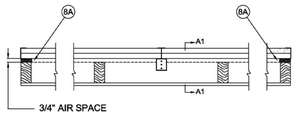
Configuration C



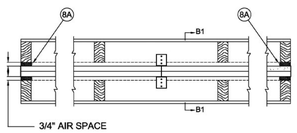




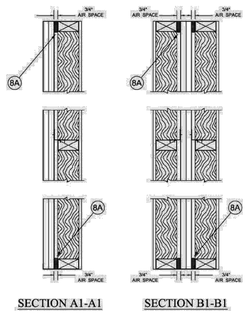
Configuration D
Exposed to fire from either side



CONFIGURATIONS A and C
EXPOSED TO FIRE FROM AREA SEPARATION WALL ONLY



CONFIGURATIONS B and D
EXPOSED TO FIRE FROM EITHER SIDE



SECTION A1-A1

SECTION B1-B1

AREA SEPARATION WALL — (Max Height - 70 ft)

1. **Floor, Intermediate or Top Wall —** 2 in. wide channel shaped with 1 in. long legs formed from No. 25 MSG galv steel, secured with suitable fasteners spaced 24 in. OC.

2. **Steel Studs —** Steel members formed from No. 25 MSG galv steel having "H" - shaped flanged spaced 24 in. OC; overall depth 2 in. and flange width 1-3/8 in.

3. **Gypsum Board* —** Two layers of 1 in. thick gypsum wallboard liner panels, supplied in nom 24 in. widths. Vertical edges of panels friction fitted into "H" - shaped studs.
CERTAINTEED GYPSUM INC — Type Shaftliner, EGRG Shaftliner, GlasRoc Shaftliner, LGFCSL

THAI GYPSUM PRODUCTS PCL — Type Shaftliner

PROTECTED WALL: (Bearing or Nonbearing Wall. When Bearing, Load Restricted for Canadian Applications — See Guide BXUV7.)

4. **Wood Studs —** Nom 2 by 4 in. max spacing 24 in. OC. Studs cross-braced at midheight where necessary for clip attachment. Min 3/4 in. seperation between wood framing and area separation wall.

4A. **Steel Studs —** (As an alternate to Item 4, Not Shown) — For Bearing Wall - Corrosion protected steel studs, min No. 20 MSG (0.0329 in., min bare metal thickness) steel or min 3- 1/2 in. wide, min No. 20 GSG (0.036 in. thick) galv steel or No. 20 MSG (0.033 in. thick) primed steel, cold formed, shall be designed in accordance with the current edition of the Specification for the Design of Cold-Formed Steel Structural Members by the American Iron and Steel Institute. All design details enhancing

the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. The max stud spacing of wall assemblies shall not exceed 24 in. OC. Studs attached to floor and ceiling tracks with 1/2 in. long Type S-12 steel screws on both sides of studs or by welded or bolted connections designed in accordance with the AISI specifications. Top and bottom tracks shall consist of steel members, min No. 20 MSG (0.0329 in., min bare metal thickness) steel or min No. 20 GSG (0.036 in. thick) galv steel or No. 20 MSG (0.033 in. thick) primed steel, that provide a sound structural connection between steel studs, and to adjacent assemblies such as a floor, ceiling, and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. O.C. Studs crcss-braced with stud framing at midheight where necessary for clip attachment. Min 3/4 in. separation between steel framing and area separation wall. Finish rating has not been evaluated for Steel Studs.

4B. **Steel Studs —** (As an alternate to Items 4 and 4A) — For Nonbearing Wall — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min 3-1/2 in. wide, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. Top and bottom tracks shall be channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max. Studs cross-braced with stud framing at midheight where necessary for clip attachment. Min 3/4 in. separation between steel framing and area separation wall. Finish rating has not been evaluated for Steel Studs.

5. **Gypsum Board —** Classified or Unclassified — Min 1/2 in thick, 4 ft wide, applied either horizontally or vertically. Wallboard attached to studs with 1-1/4 in. long steel drywall nails or screws space 8 in. OC. Vertical joints located over studs. (Optional) Joints covered with paper tape and joint compound. Nail heads covered with joint compound. Wallboard attached to steel studs (Items 4A or 4B) with 1 in. long Type S steel screws spaced 12 in. OC. Vertical joints located over studs. Horizontal joints shall be butted tight to form a closed joint. As an option, joints covered with paper tape and joint compound. As an option, screw heads covered with joint compound.

5A. **Plywood Sheathing or OSB —** (Not Shown) — As an alternate to Items 5, 5B, and 5C. Nominal 1/2 in. thick or greater plywood or OSB applied horizontally or vertically to wood or steel studs. Vertical joints located over studs. Horizontal joints shall be butted tight to form a closed joint. Fastened to studs with nails or screws of sufficient length, spaced 12 in. OC. Joints and fastener heads are not required to be treated. Aluminum clips shall be spaced as described in Item 6.

5B. **Batts and Blankets* —** (Not Shown) — As an alternate to Items 5, 5A and 5B. Glass fiber or mineral wool insulation, min. 3-1/2 in. thick, placed to completely fill the wood or steel stud cavities. See Batts and Blankets (8KNV) category in the Building Materials Directory and Batts and Blankets (BZJZ) category in the Fire Resistance Directory for name of Classified Companies. Min 3/4 in. separation between insulation and area separation wall.

5C. **Wall and Partition Facings and Accessories* —** (Not Shown) — As an alternate to Items 5, 5A, 5B and 5C. 4 ft wide panels, applied vertically. Panels attached to wood studs (Item 4) with 1-5/8 in. long steel drywall screws spaced 16 in. OC. Vertical joints located over studs. Joints covered with paper tape and joint compound. As an option, screw heads covered with joint compound.
CERTAINTEED GYPSUM INC — Type SilentFX

5D. **Wall and Partition Facings and Accessories* —** (Not Shown) — Adhered stone veneer is mortar bonded to a lath and scratch coat applied to sheathing (Items 5, 5A, or 5C), installed in accordance with the manufacturers installation instructions, and meeting the requirements of local code agencies.
ELDORADO STONE OPERATIONS L L C — Type Eldorado Stone

5E. **Batts and Blankets* —** (Not Shown, Optional) Used in addition to Items 5, 5A, or 5C. Placed in stud cavities, any glass fiber or mineral wool insulation, max 3.0 pcf density, bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies. Min 3/4 in. separation between insulation and area separation wall.

6. **Attachment Clips —** Aluminum angle, 0.063 in. thick, min 2 in. wide with min 2 in. and 2-1/4 in. legs. Clips secured with Type S screws 3/8 in. long to "H" studs and with Type W screws 1-1/4 in. long to wood framing through holes provided in clip.

Clips spaced a max of 10 ft OC vertically between wood framing and "H" studs for separation walls up to 23 ft high. For separation walls up to 70 ft high, clips spaced as described above for the upper 24 ft, and the remaining wall area below requires clips spaced a max 5 ft OC vertically between wood framing and "H" studs.

7. **Non-Bearing Wall Partition Intersection —** (Optional) — Two nominal 2 by 4 in. stud or nominal 2 by 6 in. stud nailed together with two 3in. long 10d nails spaced a max. 16 in. OC. vertically and fastened to one side of the minimum 2 by 4 in. stud with 3 in. long 10d nails spaced a max 16 in. OC. vertically. Intersection between partition wood studs to be flush with the 2 by 4 in. studs. The wall partition wood studs are to be framed with a second 2 by 4 in. wood stud fastened with 3 in. long 10d nails spaced a max. 16 in. OC. vertically. Maximum one non-bearing wall partition intersection per stud cavity. Non-bearing wall partition stud depth shall be at a minimum equal to the depth of the wall.

7A. **Non-Bearing Wall Partition Intersection —** (Optional, Not Shown) — Nominal 2 by 4 in. or 2 by 6 in. wood studs intersecting protected wall cavity on each side of full width 24 in. cavity. Protected wall gypsum board min 1/2 in. thick, 4 ft wide, applied horizontally or vertically and perpendicular to Area Separation Wall. Wallboard attached to wood studs (Item 4) with 1-1/4 in. long steel drywall screws spaced 8 in. OC. Wood studs with gypsum board forms box coming out from Area Separation Wall. Max of one box constructed in alternating cavities.

8. **Caulk/Sealant —** (Optional, Not Shown, Intended for use as an air barrier - Not intended to be used as fireblocking) — ASTM C834. Type OP, Grade 0° C or -18° C Latex Sealant at the Shaftliner and C-Track (Item 1) and H-Stud (Item 2) framing locations.

8A. **Caulking and Sealants* —** (Optional - Intended for use as an air barrier - Not intended to be used as fireblocking) - A bead of sealant applied around the partition perimeter in the 3/4 in. air space between wood framing (Item 4) and shaftliner panels (Item 3) to create an air barrier.
DUPONT DE NEMOURS, INC. — Great Stuff Gaps & Cracks, Great Stuff Pro Gaps & Cracks, Great Stuff Pro Window & Door

ICP ADHESIVES & SEALANTS INC — Handi-Foam Fireblock, Handi-Foam Fireblock West, and Fast Foam Fireblock

9. **STC Rating —** The STC Rating of the wall assembly is 61 when it is constructed as described by Items 1 through 8, excluding items 7 and 7A, except:

A. Item 4, above - Wood Studs - Protected wall studs shall be spaced 24 in. OC.

B. Item 5, above - Gypsum Board - Min. weight 1.6 psf. Shall be applied vertically and attached to studs with 1-1/4 in. long steel drywall screws spaced 8 in. OC. Joints and screwheads shall be covered with paper tape and joint compound.

C. Item 6, above - Aluminum Clips - Spaced a max of 10 ft OC vertically.

D. **Batts and Blankets* —** The cavities formed by the wood studs shall be friction fit with 3-1/2 in. thick fiberglass insulation batts, min. 0.60 pcf. See Batts and Blankets (BKNV) category in the Building Materials Directory and Batts and Blankets (BZJZ) category in the Fire Resistance Directory for name of Classified Companies.

E. Max Height of Separation Wall is 23 ft.

F. The STC rating applies to Configuration B only.

G. Steel Studs (Items 4A and 4B) and Plywood Sheathing or OSB (Items 5A and 10), Batts and Blankets (Item 5B), and Wall and Partition Facings and Accessories (Item 5C) not evaluated as alternatives for obtaining STC rating.

10. **Plywood Sheathing or OSB —** (Optional, Not shown) — Min 1/2 in. thick plywood or OSB applied horizontally or vertically to "H" studs on area separation wall side (Item 3) of Configuration A or Configuration D. Vertical joints located over studs. Fastened to "H" studs with screws of sufficient length, spaced a maximum of 12 in. OC.

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Last Updated on 2020-12-04

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Design No. U905

November 09, 2020

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 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 BXUV or BXUV7

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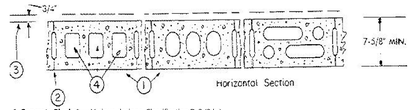

1. **Concrete Blocks* —** Various designs. Classification D-2 (2 hr).
See **Concrete Blocks** category for list of eligible manufacturers.

2. **Mortar —** Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster —** Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. **Loose Masonry Fill —** If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

5. **Foamed Plastic* —** (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
ATLAS ROOFING CORP — "EnergyShield Pro Wall Insulation", "EnergyShield Pro 2 Wall Insulation", EnergyShield CGF Pro and EnergyShield Ply Pro

CARLISLE COATINGS & WATERPROOFING INC — Type R2+ SHEATHE

DUPONT DE NEMOURS, INC. — Types Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP), TUFF-R™ ci Insulation, Thermax Butler Stylwall Insulation Board and Thermax Morton Heavy Duty Insulation Board

FIRESTONE BUILDING PRODUCTS CO L L C — "Enverge™ CI Foil Exterior Wall Insulation" and "Enverge™ CI Glass Exterior Wall Insulation"

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — Types "Xci-Class A", "Xci Foil (Class A)", "Xci 286"

RMAX, A BUSINESS UNIT OF SIKA CORPORATION — Types "TSX-8500", "ECOMAXci FR", "TSX-8510", "ECOMAX xi FR White", "ECOMAXci", "ECOMAXci FR Air Barrier", "Thermasheath- XP", "Thermasheath", "Durasheath", "Thermasheath-3", "Durasheath-3".

JOHNS MANVILLE — Type "AP Foil-Faced Foam Sheathing"

5A. **Building Units* —** As an alternate to Items 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 96 in.
HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — "Xci NB", "Xci Ply"

RMAX, A BUSINESS UNIT OF SIKA CORPORATION — "Thermasheath-SI", "ECOBASEci", "ThermaBase-CI", "ECOMAXci FR Ply", "ECOMAXci Ply".

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Last Updated on 2020-11-09

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1 UL #U366
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PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: UL Detail
--

SHEET NUMBER: A0.25

Design No. L577

Unrestrained Assembly Rating — 2 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 BXUV or BXUV7

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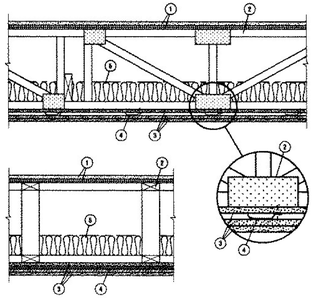


1. **Flooring Systems —** The flooring system shall consist of one of the following:

System No. 1

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) — Nom 0.010 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1800 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

UNITED STATES GYPSUM CO — Types LRK, HSLRK, CSD

USG MEXICO S A DE C V — Types LRK, HSLRK, CSD

Floor Mat Materials* — (Optional) — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.

UNITED STATES GYPSUM CO — Types SAM, LEVELROCK® Brand Sound Reduction Board, LEVELROCK® Brand Floor Underlayment SRM-25.

Alternate Floor Mat Materials* — (Optional) — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding minimum thickness of floor topping over floor mat.

GRASSWORX L L C — SC Types

System No. 2

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.

Vapor Barrier — (Optional) — Commercial asphalt saturated felt, 0.030 in. thick.

Vapor Barrier — (Optional) — Nom 0.010 in. thick commercial rosin-sized building paper.

Finish Flooring* — Min 3/4 in. thickness of any Floor Topping Mixture bearing the UL Classification Marking as to Fire Resistance. See Floor- and Roof-Topping Mixtures (CCOX) category for names of Classified Companies.

Floor Mat Materials* — (Optional) — Nom. 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.

KEENE BUILDING PRODUCTS CO INC — Types Quiet Qurl 55/025 and Quiet Qurl 55/025 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.

KEENE BUILDING PRODUCTS CO INC — Types Quiet Qurl 60/040 and Quiet Qurl 60/040 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1-1/2 in.

KEENE BUILDING PRODUCTS CO INC — Types Quiet Qurl 65/075. Quiet Qurl 65/075 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 1/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.

KEENE BUILDING PRODUCTS CO INC — Types Quiet Qurl 52/013 and Quiet Qurl 52/013 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 1/4 in. entangled net core with a comoressible fabric attached to the bottom loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.

KEENE BUILDING PRODUCTS CO INC — Types Quiet Qurl 55/025 MT and Quiet Qurl 55/025 N MT

System No. 3

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) — Nom 0.030 in thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min. 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
MAXXON CORP — Types Maxxon Standard and Maxxon High Strength

Floor Mat Materials* — (Optional) — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.
MAXXON CORP — Type Encapsulated Sound Mat.

Floor Mat Reinforcement — (Optional) Refer to manufacturer's instructions regarding minimum thickness of floor topping for use with floor mat reinforcement.

Metal Lath — (Optional) — 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd loose laid over the floor mat material.

Fiber Glass Reinforcement — (Optional) 0.015 in. thick PVC coated non-woven fiberglass mesh, 0.368 lbs./sq. yd loose laid over the floor mat material.

System No. 4

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood panels secured to trusses with construction adhesive and No.6d ringed shank nails spaced 12 in. OC alcng each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
FORMULATED MATERIALS LLC — — Types FR-25, FR-30, SiteMix, and SiteMix SL

Floor Mat Material* — (Optional) — Floor mat material nominal 2 - 9.5 mm thick loose laid over the subfloor. Floor topping shall be a min of 3/4 in.
FORMULATED MATERIALS LLC — Types M1, M2, M3, Elite, Duo, R1, and R2

System No. 5

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) - Nom 0.010 in. thick commercial asphalt saturated felt.

Finish Floor - Mineral and Fiber Board* — Min 1/2 in. thick, supplied in sizes ranging from 3 ft by 4 ft to 8 ft by 12 ft. All joints to be staggered a min of 12 in. with adjacent sub-floor joints.
HOMASOTE CO — Types 440-32 Mineral and Fiber Board

System No. 6

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood panels secured to trusses with construction adhesive and No.6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
ARCOSA SPECIALTY MATERIALS — AccuCrete® Types NexGen, Green, Prime and PrePour, AccuRadiant®, AccuLevel® Types G40, G50 and SD30

Floor Mat Material* — (Optional) — Floor mat material nominal 2 - 9.5 mm thick loose laid over the subfloor. Floor topping shall be a min of 3/4 in.
ARCOSA SPECIALTY MATERIALS — AccuQuiet® Types D13, D-18, D25, DX38, EM.125, EM.125S, EM.250, EM.250S, EM.375, EM.375S, EM.750, and EM.750S.

System No. 7

Subflooring — Min 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.

Floor Mat Materials* — (Optional) — Floor mat material nom 1/8 in. (3 mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 3/4 in. (19 mm)
HACKER INDUSTRIES INC — FIRM-FILL SCM 125

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 1/4 in. (6 mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1 in. (25 mm)
HACKER INDUSTRIES INC — Type FIRM-FILL SCM 250

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 3/8 in. (10 mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/4 in. (32 mm)
HACKER INDUSTRIES INC — FIRM-FILL SCM 400

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 3/4 in. (19 mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/2 in. (38 mm)
HACKER INDUSTRIES INC — Type FIRM-FILL SCM 750

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 5/64 in. (2 mm) thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of floor-topping mixture. Floor topping thickness a min 1 in. over the floor.
HACKER INDUSTRIES INC — Type Hacker Sound-Mat.(HSM1.02)

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 1/4 in. (6 mm) thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1-1/4 in. (32 mm) of floor-topping mixture.
HACKER INDUSTRIES INC — Type Hacker Sound-Mat II. (HSM2.06)

Metal Lath — (Optional) — For use with 3/8 in. (10 mm) or greater floor mat materials, 3/8 in. expanded steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Hacker Floor Primer to be applied prior to the placement of the metal lath. When metal lath is used, floor topping thickness a nom 1-1/4 in. over the floor mat.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1100 psi. Mixture shall consist of 6.8 gal of water to 80 lbs of floor topping mixture to 1.9 cu ft of sand.
HACKER INDUSTRIES INC — Firm-Fill Gypsum Concrete, Firm-Fill 2010, Firm-Fill 3310, Firm-Fill 4010, Firm-Fill High Strength, Gyp-Span Radiant

System No. 8

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood panels secured to trusses with construction adhesive and No.6d ringed shank nails spaced 12 in. OC alcng each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
DEPENDABLE LLC — GSI, M3.4, GSI. K2.6, GSL-CSD or GSL RH

Floor Mat Materials* — (Optional) — Nom. 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 55/025 and Quiet Qurl 55/025 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 60/040 and Quiet Qurl 60/040 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1-1/2 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 65/075 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 1/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 52/013 and Quiet Qurl 52/013 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 1/4 in. entangled net core with a compressible fabric attached to the bottom loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Quiet Qurl 55/025 MT and Quiet Qurl 55/025 N MT

System No. 9

Subflooring — Min 15/32 in. thick wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered. Plywood panels secured to trusses with construction adhesive and No.6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Wall and Partition Facings and Accessories* - Sound Barrier (Optional) — Acoustic Sleeper pads stapled to the top of the subfloor and centered over wood trusses. Acoustic Sleeper pads are to be spaced appropriately so that the finish floor panels are fastened through Acoustic Sleeper pads to the trusses.
STC ARCHITECTURAL PRODUCTS L L C DBA STC SOUND CONTROL — Acoustic Sleeper

Finish Flooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Butt joints of panels have the option of being sealed with any UL Classified caulk or sealant found under - Fill, Void or Cavity Materials* (XHHW).

System No. 10

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Finish Flooring - Floor Topping Mixture* — Min 1 in. thickness of floor topping mixture having a min compressive strength of 4500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
SIKA DEUTSCHLAND GMBH — Type SCHONOX AP Rapid Plus

System No. 11

Subflooring - Building Units* — Nom. 1-1/2 in. thick T & G laminated composite plywood sub-floor panels to be perpendicular to the trusses with end joints staggered 4 ft. End joints centered over top chord of trusses. Subfloor panel secured to trusses with construction adhesive and #8 by 3 in. wood screws spaced 12 in. OC in the field and 6 in. OC at the end joints.
RSP INDUSTRIES INC — SAP board

System No. 12

Subflooring — Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.

Vapor Barrier — (Optional) - Nom 0.010 in. thick commercial rosin-sized building paper.

Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of any Floor Topping Mixture bearing the UL Classification Marking as to Fire Resistance. See Floor- and Roof-Topping Mixtures (CCOX) category for names of Classified Companies.

Floor Mat Materials* — (Optional, Not Shown) - Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.
LOW & BONAR INC — EnkaSonic® by Colbond a member of the Low & Bonar group Types 125, 250, 250 Plus, 400, 400 Plus, 750 and 750 Plus.

Floor Mat Reinforcement — (Optional) - Refer to manufacturer's instructions regarding minimum thickness of floor topping for use with floor mat reinforcement.

Metal Lath — (Optional) — Expanded steel diamond mesh, 2.5 lb / sq yd loose laid over floor mat material.

Fiberglass Mesh Reinforcement — (Optional) — Coated non-woven glass fiber mesh grid loose laid over floor mat material.

2. **Trusses —** Parallel chord trusses, spaced a max of 24 in. OC, fabricated from nom 2 by 4 lumber, with lumber oriented vertically or horizontally. Min truss depth is 12 in. Truss members secured together with min 0.0356 in. thick galv steel plates. Plates have 5/16 in. long teeth projecting perpendicular to the plane of the plate. The teeth are in pairs facing each other (made by the same punch), forming a split tooth type plate. Each tooth has a chisel point on its outside edge. These points are diagonally opposite each other for each pair. The top half of each tooth has a twist for stiffness. The pairs are repeated on approx. 7/8 in. centers with four rows of teeth per inch of plate width.

3. **Gypsum Board* —** Three layers of 5/8 in. thick by 4 ft wide gypsum board. Top layer boards installed with the long dimension perpendicular to trusses with end joints located under bottom of trusses. End joints in adjacent rows shall be staggered on adjacent trusses. Top layer boards secured to bottom chord of trusses with 1-5/8 in. long Type S bugle head screws, spaced max 8 in. OC. Screws located 1-1/2 to 2 in., and 3/4 in. from side and end joints, respectively. Bottom two layers of gypsum board installed

perpendicular to furring channels with end joints centered on the furring channels. Middle layer boards secured to each furring channel with 1 or 1-1/4 in. long Type S-12 bugle head steel screws spaced max 8 in. OC. Screws located 1-1/2 to 2 in. and 5/8 to 3/4 in. from side and end joints, respectively. Face layer boards secured to each furring channel through the middle layer with 1-5/8 or 1-7/8 in. long Type S-12 bugle head steel screws, spaced a max of 8 in. OC. Screws located 1-1/2 to 2 in. and 5/8 to 3/4 in. from side and end joints, respectively. End joints and side joints of the face layer boards shall be staggered a min of 16 in. from the joints in the middle layer. If end joints of the face layer boards are not centered on the furring channels, the end of boards at the end joint shall be attached to the middle layer boards with 1-1/2 in. long Type G steel screws spaced 8 in. OC and located 1-1/2 in. from the end joint. When **Steel Framing Members** (Item 4A) are used - Three layers of 5/8 in. thick by 4 ft wide gypsum board installed with long dimension perpendicular to furring channels Item 4A. Top layer secured with 1 or 1-1/4 in. long Type S bugle head screws, spaced max 8 in. OC. Screws located 1-1/2 to 2 in., and 3/4 in. from side and end joints, respectively. Middle layer boards secured to furring channels with 1-5/8 or 1-7/8 in. long Type S-12 bugle head steel screws spaced max 8 in. OC. Screws located 1-1/2 to 2 in. and 5/8 to 3/4 in. from side and end joints, respectively. Face layer boards secured to each furring channels with 2-1/4 in. long Type S-12 bugle head steel screws, spaced a max of 8 in. OC. Screws located 1-1/2 to 2 in. and 5/8 to 3/4 in. from side and end joints, respectively. Butted end joints shall be staggered minimum 2 ft. within the assembly. Additional furring channels constructed as per Item 4A shall be used to support each end of each gypsum board. These additional furring channels shall be attached to underside of the truss with Genie clips as described in Item 4A. Screw spacing along the gypsum board butt joint shall be 8 in. OC. Butted side joints shall be offset min 16 in. When **Steel Framing Members** (Item 4B) are used, three layers of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to furring channels (item 4B). Top layer secured to furring channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board. Screws located 1-1/2 to 2 in., and 3/4 in. from side and end joints, respectively. Middle layer boards secured to furring channels with 1-5/8 or 1-7/8 in. long Type S-12 bugle head steel screws spaced max 8 in. OC. Screws located 1-1/2 to 2 in. and 5/8 to 3/4 in. from side and end joints, respectively. Face layer boards secured to each furring channels with 2-1/4 in. long Type S-12 bugle head steel screws, spaced a max of 8 in. OC. Screws located 1-1/2 to 2 in. and 5/8 to 3/4 in. from side and end joints, respectively. Gypsum board butted end joints shall be staggered minimum 48 in. and centered over main furring channels. At the gypsum board butt joints, each end of each gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 3 in. on each end. The two support furring channels shall be spaced approximately 3 in. in from joint. Screw spacing along the gypsum board butt joint and along both additional channels shall be 8 in. OC. Additional screws shall be placed in the adjacent section of gypsum board into the aforementioned 3 in. extension of the extra butt joint channels as well as into the main channel that runs between. Butt joint furring channels shall be attached with one RESILMOUNT Sound Isolation Clip at each end of the channel
When **Steel Framing Members** (Item 4C) are used, three layers of nom 5/8 in. thick, 4 ft wide gypsum board is installed with long dimensions perpendicular to furring channels (item 4C). Top layer secured to furring channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board. Screws located 1-1/2 to 2 in., and 3/4 in. from side and end joints, respectively. Middle layer boards secured to furring channels with 1-5/8 or 1-7/8 in. long Type S-12 bugle head steel screws spaced max 8 in. OC. Screws located 1-1/2 to 2 in. and 5/8 to 3/4 in. from side and end joints, respectively. Face layer boards secured to each furring channels with 2-1/4 in. long Type S-12 bugle head steel screws, spaced a max of 8 in. OC. Screws located 1-1/2 to 2 in. and 5/8 to 3/4 in. from side and end joints, respectively. Gypsum board butted end joints shall be staggered minimum 48 in. and centered over main furring channels. At the gypsum board butt joints, an additional single length of furring channel shall be installed and be spaced approximately 3 in. from the butt joint (6 in. from the continuous furring channels) to support the floating end of the gypsum board. Each of these shorter sections of furring channel shall extend one truss beyond the width of the gypsum panel and be attached to the adjacent trusses with one SonusClip at every truss involved with the butt joint.

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

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

4. **Furring Channels —** Resilient channels, 1/2 in. deep, or inverted hat type furring channels, 7/8 in. deep, formed from 0.019 in. thick galv steel, spaced 12 in. OC perpendicular to trusses. Channels secured to each truss with 1-7/8 in. long Type S steel screws.

4A. **Steel Framing Members* —** (Not Shown) — As an alternate to Item 4.
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-3/8 in. wide by 7/8 in. deep, spaced 12 in. OC perpendicular to wood structural members. Channels secured to trusses as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galv steel wire near each end of overlap.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to the trusses (Item 2). Clips spaced at 48" OC and secured to the bottom of the trusses with one 2-1/2 in. Coarse Drywall Screw with 1 in. diam washer through the center hole. Furring channels are then friction fitted into clips. As an alternate, ends of channels are overlapped 6" and tied together with double strand of No. 18 AWG galvanized steel wire. Additional clips are required to hold the Gypsum Butt joints as described in item 3.
PLITEQ INC — Type GENIECLIP

4B. **Steel Framing Members* —** (Not Shown) — As an alternate to Item 4.
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-5/8 in. wide by 7/8 in deep, spaced 12 in OC, perpendicular to wood structural members. Channels secured to trusses as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galv steel wire near each end of overlap.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to the trusses (Item 2). Clips spaced at 24" OC and secured to the bottom of the trusses with one No. 10 x 2-1/2 Coarse Drywall Screw through the center hole. Furring channels are then friction fitted into clips. As an alternate, ends of channels are overlapped 6" and screwed with four No. 8 x 1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Additional clips are required to hold the Gypsum Butt joints as described in item 3.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

4C. **Steel Framing Members —** (Not Shown) — As an alternate to Item 4.
a. **Furring Channels —** Formed of No. 25 MSG galv steel, 2-1/2 in. wide by 7/8 in deep, spaced 12 in OC, perpendicular to wood structural members. Channels secured to trusses as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galv steel wire near each end of overlap.

b. **Steel Framing Members* —** Used to attach furring channels (Item a) to the trusses (Item 2). Clips spaced at 24" OC and secured to the bottom of the trusses with one No. 10 x 2-1/2 Coarse Drywall Screw through the center hole. Furring channels are then friction fitted into clips. As an alternate, ends of channels are overlapped 6" and screwed with four No. 8 x 1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Additional clips are required to hold the Gypsum Butt joints as described in item 3.
REGUPOL AMERICA — Type SonusClip

4D. **Steel Framing Members* —** (Optional - Not Shown) — Used to attach resilient channels (Item 4) to trusses (Item 2). Clips spaced 4B in. OC and secured to trusses with one No. 8 x 2-1/2 in. coarse drywall screw through center grommet hole. Channels secured to clips with one #10 x 1/2 in. pan-head self-drilling screw. Ends of adjoining channels overlapped 6 in. and secured together with two #8 15 x 1/2 in. Philips Modified screws spaced 2-1/2 in. from the center of the overlap. Gypsum board butt joints require additional resilient channels spaced 1-1/2 in. from the butt joint on either side. One edge of the extra channels will extend to an adjacent truss where it is secured with a clip.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

5. **Batts and Blankets* —** Any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. Insulation secured against the subflooring, held suspended in the concealed space or draped over the resilient channels (or furring channels) and gypsum panel membrane. There is no limit in the overall thickness of insulation.

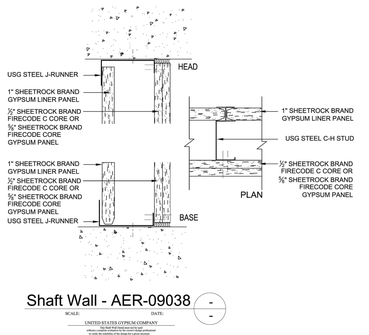
5A. **Loose Fill Material* —** As an alternate to Item 5, any loose fill material bearing the UL Classification Marking for Surface Burning Characteristics. There is no limit in the overall thickness of insulation.

6. **Finishing System —** (Not Shown) — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads. Nom 2 in. wide paper tape embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.

*** 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 2021-06-10

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.



Shaft Wall - AER-09038

SCALE:

DATE:

UNITED STATES GYPSUM COMPANY
This Shaft Wall Assembly may be used
in accordance with the following U.S. Gypsum Company
evaluation report: Intertek Report No. 5010

-

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1 UL #L577
NTS

2 AER-09038
NTS

PLANWORX ARCHITECTURE
5711 SIX FORKS ROAD, SUITE 100
RALEIGH NC 27609
website www.planworx.com

PLANWORX ARCHITECTURE, P.A. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. C-0909 N.C. RALEIGH, NC
PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE:			
ISSUE DATE:	REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
11-24-21 (99% Set)				-

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: UL Detail
--

SHEET NUMBER: A0.26

1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes.
2. Contractor is to notify architect immediately of conditions or items varying from depicted information.
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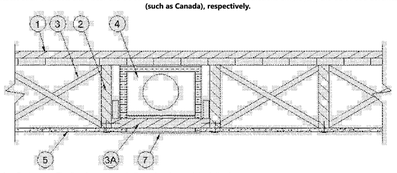
Design No. L501

Unrestrained Assembly Rating — 1 Hr.
Finish Rating — (See Items 5 and 5A)

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 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), respectively.**



1. **Flooring Systems —** The flooring system shall consist of one of the following:

System No. 1

Subflooring — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.

Vapor Barrier — Nom 0.010 in. thick commercial rosin-sized building paper.

Finish Flooring — Min 1 by 4 in. T & G lumber installed perpendicular to joists, or min 19/32 in. thick wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.

System No. 2

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Floor Mat Materials* — (Optional) — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.
UNITED STATES GYPSUM CO — Types SAM, LEVELROCK® Brand Sound Reduction Board, LEVELROCK® Brand Floor Underlayment SRM-25

Alternate Floor Mat Materials* — (Optional) — Floor mat material loose laid over the subfloor.Refer to manufacturer's instructions regarding minimum thickness of floor topping over floor mat.
GRASSWORX L L C — SC Types

Finish Flooring — Floor Topping Mixture* — Min 3/4 having a min compressive strength of 1800 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
UNITED STATES GYPSUM CO — Type CSD, LRK, HSLRK

LATICRETE SUPERCAP L L C — Types LRK, HSLRK

USG MEXICO S A DE C V — Types LRK, HSLRK, CSD

System No. 3

Subflooring — Min 19/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.

Floor Mat Materials* — (Optional) — Floor mat material nom 5/64 in. (2 mm) thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of floor-topping mixture. Floor topping thickness a min 1 in. over the floor mat.
HACKER INDUSTRIES INC — Type Hacker Sound-Mat

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 1/4 in. (6 mm) thick adhered to subfloor with Hacker Floor Primer. Primer to be applied to the surface of the mat prior to the placement of a min 1-1/4 in. (32 mm) of floor-topping mixture.
HACKER INDUSTRIES INC — Type Hacker Sound-Mat II

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 1/8 in. (3 mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 3/4 in. (19 mm).
HACKER INDUSTRIES INC — FIRM-FILL SCM 125

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 1/4 in. (6 mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1 in. ;25 mm).
HACKER INDUSTRIES INC — Type FIRM-FILL SCM 250, Quiet Qurl 55/025

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 3/8 in. (10 mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/4 in. (32 mm)
HACKER INDUSTRIES INC — FIRM-FILL SCM 400, Quiet Qurl 60/040

Alternate Floor Mat Materials — (Optional) — Floor mat material nom 3/4 in. (19 mm) thick loose laid over the subfloor. Floor topping thickness shall be a min of 1-1/2 in. (38 mm).
HACKER INDUSTRIES INC — Type FIRM-FILL SCM 750, Quiet Qurl 65/075

Metal Lath (Optional) — For use with 3/8 in. (10 mm) floor mat materials, 3/8 in. expanded steel diamond mesh, 3.4 lbs/sq yd placed over the floor mat material. Hacker Floor Primer to be applied prior to the placement of the metal lath. When metal lath is used, floor topping thickness a nom 1-1/4 in. over the floor mat.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a min compressive strength of 1100 psi. Mixture shall consist of 6.8 gal of water to 80 lbs of floor topping mixture to 1.9 cu ft of sand.

HACKER INDUSTRIES INC — Firm-Fill Gypsum Concrete, Firm-Fill 2010, Firm-Fill 3310, Firm-Fill 4010, Firm-Fill High Strength, Gyp-Span Radiant

System No. 4

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.

Vapor Barrier — (Optional) — Nom 0.030 in thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.4 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal of water.

ELASTIZELL CORP OF AMERICA — Type FF

System No. 5

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.

Vapor Barrier — (Optional) — Nom 0.030 in thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 1-1/2 in. thickness of floor topping mixture having a min compressive strength of 1000 psi and a cast density of 100 plus or minus 5 pcf. Foam concentrate mixed 40:1 by volume with water and expanded at 100 psi through nozzle. Mixture shall consist of 1.2 cu feet of preformed foam concentrate to 94 lbs Type I Portland cement, 300 lbs of sand with 5-1/2 gal of water.

AERIX INDUSTRIES — Floor Topping Mixture

System No. 6

Deleted.

System No. 7

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.

Finish Flooring — Floor Topping Mixture* — Min 3/4 or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi. Mixture shall consist of 5 to 8 gal of water to 80 lbs of floor topping mixture to 2.1 cu ft of sand.

ULTRA QUIET FLOORS — UQF-A, UQF-Super Blend, UQF-Plus 200

System No. 8

Subflooring — Min 15/32 in. wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.

Vapor Barrier — (Optional) — Nom 0.030 in thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

MAXXON CORP — Type Maxxon Standard and Maxxon High Strength

Floor Mat Materials* — (Optional) — Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.

MAXXON CORP — Type Encapsulated Sound Mat.

Floor Mat Reinforcement — (Optional) - Refer to manufacturer's instructions regarding minimum thickness of floor topping for use with floor mat reinforcement.

Metal Lath — (Optional) — 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.

System No. 9

Subflooring — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.

Finish Floor — Mineral and Fiber Board* — Min 1/2 in. thick, supplied in sizes ranging from 3 ft by 4 ft to 8 ft by 12 ft. All joints to be staggered a min of 12 in. with adjacent sub-floor joints.

HOMASOTE CO — Type 440-32 Mineral and Fiber Board

System No. 10

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

ARCOSA SPECIALTY MATERIALS — AccuCrete® Types NexGen, Green, Prime and PrePour, AccuRadiant®, AccuLevel® Types G40, G50 and SD30

Alternate Floor Mat Material* — (Optional) - Floor mat material nominal 2 - 9.5 mm thick loose laid over the subfloor. Floor topping shall be a min of 3/4 in. or 1 in. thick for 19/32 or 15/32 in. thick wood structural panels respectively.

ARCOSA SPECIALTY MATERIALS — AccuQuiet® D13, D-18, D25, DX38, EM.12S, EM.12SS, EM.25D, EM.25DS, EM.37S, EM.37SS, EM.75D, and EM.75DS.

System No. 11

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

FORMULATED MATERIALS LLC — Types FR-2S, FR-30, and SiteMix.

Alternate Floor Mat Material* — (Optional) — Floor mat material nominal 2 - 9.5 mm thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.

FORMULATED MATERIALS LLC — Types M1, M2, M3, Elite, Duo, R1, and R2.

System No. 12

Subflooring — 15/32 or 19/32 in. thick wood structural panels, min. grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 2100 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

System No. 13

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.

Vapor Barrier — (Optional) — Commercial asphalt saturated felt, 0.030 in. thick.

Vapor Barrier — (Optional) — Nom 0.010 in. thick commercial rosin-sized building paper.

Finish Flooring* — Min 3/4 in. thickness of any Floor Topping Mixture bearing the UL Classification Marking as to Fire Resistance. See Floor- and Roof-Topping Mixtures (CCOX) category for names of Classified Companies.

Floor Mat Materials* — (Optional) — Nom. 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 55/025 and Quiet Qurl 55/025 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 60/040 and Quiet Qurl 60/040 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1-1/2 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 65/075, Quiet Qurl 65/075 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 1/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 52/013 and Quiet Qurl 52/013 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 1/4 in. entangled net core with a comoressible fabric attached to the bottom loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Quiet Qurl 55/025 MT and Quiet Qurl 55/025 N MT

System No. 14

Subflooring — Min 23/32 in. thick T&G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to the joists with end joints staggered 4 ft. Panels secured to joists with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each joist. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

Gypsum Board* — One layer of nom 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 1 in. long No. 6 Type W bugle head steel screws spaced 12 in. OC and located a min of 1-1/2 in. from side and end joints. The joints of the gypsum board are to be staggered a minimum of 12 inches from the joints of the subfloor.

GEORGIA-PACIFIC GYPSUM L L C — Type DS

Floor Mat Materials* — (As an alternate to the single layer gypsum board) — Floor mat material loose laid over the subfloor.

MAXXON CORP — Type Encapsulated Sound Mat.

Gypsum Board* — (For use when floor mat is used) Two layers of nom 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to joists on top of the floor mat material. Gypsum board secured to each other with 1 in. long No. 6 Type G bugle head steel screws spaced 12 in. OC and located a min of 1-1/2 in. from side and end joints. The joints of the gypsum board are to be staggered a minimum of 12 inches in between layers and from the joints of the subfloor.

GEORGIA-PACIFIC GYPSUM L L C — Type DS

System No. 15

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture for min 15/32 in. thick wood structural panels, having a min compressive strength of 2150 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

MAPEI CORP — Type Planitex SL 35

System No. 16

Subflooring — Min. 15/32 in. thick wood structural panels, min. grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture for 15/32 in. thick wood structural panels respectively, having a min compressive strength of 2100 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

THE STRONG CO INC — Type UltraLevel

System No. 17

Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.

Vapor Barrier — (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt.

Finish Flooring — Floor Topping Mixture*— Min 3/4 or 1 in. thickness of floor topping mixture for 19/32 or 15/32 in. thick wood structural panels respectively, having a min compressive strength of 1000 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.

DEPENDABLE LLC — GSL M3.4, GSL K2.6, GSL-CSD and GSL RH

Floor Mat Materials* — (Optional) — Nom. 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 55/025 and Quiet Qurl 55/025 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of ⁷ in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 60/040 and Quiet Qurl 60/040 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of ⁷ :-1/2 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 65/075, Quiet Qurl 65/075 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 1/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in.
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 52/013 and Quiet Qurl 52/013 N

Alternate Floor Mat Materials* — (Optional) — Floor mat material Nom. 1/4 in. entangled net core with a compressible fabric attached to the bottom loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in.
KEENE BUILDING PRODUCTS CO INC — Quiet Qurl 55/025 MT and Quiet Qurl 55/025 N MT

System No. 18

Subflooring— Structural Cement-Fiber Units* — Nominal 19 mm (3/4 in.) thick tongue and groove structural cement-fiber units. Long dimension of panels to be perpendicular to joists with end joints staggered. Panels fastened to the joists with #10 self-drilling, self-tapping cement board screws 1-3/4 in. long. Screws shall be spaced 6 in. OC along the perimeter of each sheet and 12 in. OC in the field of each sheet. Screws shall be spaced 1/2 in. from end joints and 1 in. from side joints.
ECTEK INTERNATIONAL INC — Armoroc Panel

Subflooring (Alternate) — Building Units* — Nom 3/4 in. thick, tongue and grooved boards. Long dimension of boards to be perpendicular to joists with end joints staggered a min of 4 ft. and centered over the joists. Boards secured to joists with 1-1/4 in. long self-drilling, self- tapping screws or 2 in. x 0.113 in. Ring Shank nails spaced a max of 12 in. OC in the feld with screws/nails located 1 in. from long edge, and max 8 in. OC along the end joints with screws/nails located 1/2 in. from end joint.
ECTEK INTERNATIONAL INC — Type MegaBoard

Vapor Barrier — Nom 0.010 in. thick commercial rosin-sized building paper.

Finish Flooring — Min 1 by 4 in. T & G lumber installed perpendicular to joists, or min 19/32 in. thick wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to joists with joints staggered

System No. 19

Subflooring — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.

Finish Flooring* — Floor Topping Materials — Min 3/4 in. to 1-1/2 in. thickness of any Floor Topping Mixture bearing the UL Classification Marking as to Fire Resistance with a minimum compressive strength of 1500 psi.
See **Floor- and Roof-Topping Mixtures** (CCOX) category for names of Classified Companies.

Floor Mat Materials* — (Optional) — Floor mat material nom 1/8 in. to 3/4 in. thick. Loose laid over the subfloor. When used, Acousti-flor CSM (Crack Suppression Mat) is loose laid over the floor mat material. Floor topping material thickness is dependent on thickness of floor mat used.
WALFLOR INDUSTRIES INC — Type Acousti-flor, Acousti-flor CSM. Floor topping thickness depends on products used as follows:

Acousti-flor (1/8 in. thick) - Floor topping thickness shall be a minimum of 3/4 in.

Acousti-flor (1/4 in. thick) - Floor topping thickness shall be a minimum of 1 in.

Acousti-flor (3/8 in. thick) - Floor topping thickness shall be a minimum of 1 in.

Acousti-flor (3/4 in. thick) - Floor topping thickness shall be a minimum of 1-1/2 in.

Metal Lath — (Optional) — Expanded steel diamond mesh, 2.5 lb / sq yd loose laid over floor mat material.

Fiberglass Mesh Reinforcement — (Optional) — Coated non-woven glass fiber mesh grid loose laid over floor mat material.

System No. 20

Subflooring — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.**Finish Flooring - Floor Topping Mixture* —** Min 1 in. thickness of floor topping mixture having a min compressive strength of 4500 psi. Refer to manufacturer's instructions accompanying the material for specific mix design.
SIKA DEUTSCHLAND GMBH — Type SCHONOX AP Rapid Plus

System No. 21

Subflooring - Building Units* — Nom. 1-1/2 in. thick T & G laminated composite plywood sub-floor panels to be perpendicular to the trusses with end joints staggered 4 ft. End joints centered over top chord of trusses. Subfloor panels secured to trusses with construction adhesive and #8 by 3 in. wood screws spaced 12 in. OC in the field and 6 in. OC at the end joints.
RSP INDUSTRIES INC — SAP board

System No. 22

Subflooring — Min 1 by 6 in. T & G lumber fastened diagonally to joists, or min 15/32 in. thick plywood or min 7/16 in. thick oriented strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panel to be perpendicular to joists with joints staggered.

Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick.

Vapor Barrier — Optional) - Nom 0.010 in. thick commercial rosin-sized building paper.

Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of any Floor Topping Mixture bearing the UL Classification Marking as to Fire Resistance. See Floor- and Roof-Topping Mixtures (CCOX) category for names of Classified Companies.

Floor Mat Materials* — (Optional, Not Shown) - Floor mat material loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material.
LOW & BONAR INC — EnkaSonic® by Colbond a member of the Low & Bonar group Types 125, 250, 250 Plus. 400, 400 Plus, 750, and 750 Plus.

Floor Mat Reinforcement — (Optional) - Refer to manufacturer's instructions regarding minimum thickness of floor topping for use with floor mat reinforcement.

Metal Lath — (Optional) — Expanded steel diamond mesh, 2.5 lb / sq yd loose laid over floor mat material.

Fiberglass Mesh Reinforcement — (Optional) — Coated non-woven glass fiber mesh grid loose laid over floor mat material.

2. **Wood Joists —** Min 2 by 10, spaced 16 in. OC and effectively fireblocked in accordance with local codes.

3. **Cross Bridging —** Min 1 by 3 in. or min 2 by 10 solid blocking.

3A. **Horizontal Bridging —** Used in lieu of Item 3 in same joist bay as ceiling damper (Item 4), when ceiling damper is employed. Wood 2 by 4 in. secured between joists with nails.

4. **Ceiling Damper* — (Optional) —** Max nom area shall be 198 sq in. Max rectangular size shall be 12 in. wide by 16-1/2 in. long. Max height of damper shall be 9-3/8 in. Aggregate damper openings shall not exceed 99 sq in. per 100 sq ft of ceiling area. Damper installed in accordance with the manufacturers installation instructions provided with the damper. A steel grille (Item 7) shall be installed in accordance with installation instructions.
AIR BALANCE INC — Type 299 (See Item 5A)

AIR KING VENTILATION PRODUCTS — Series FRAS, Series FRAK, Series FRAKV

CENTRAL VENTILATION SYSTEMS CO L L C — Models C-S/R-HC(-A), C-RD-HC(-A)

GREENHECK FAN CORP — Model CRD-1WJ

METAL-FAB INC — Models MSCDHC, MRCDHC

METAL INDUSTRIES INC — Models CD-S/R-HC, CD-S/R-HC-A, CD-RD-HC, CD-RD-HC-A

NCA MFG INC — Models CD-S/R-HC, CD-S/R-HC-A, CD-RD-HC, CD-RD-HC-A

BRISK MFG INC — Model BMI-50-CRD-S/R-WT

PRICE INDUSTRIES LTD — Models CD-S/R-HC, CD-RD-HC

RUSKIN COMPANY — Model CFD7

UNITED ENERTECH CORP — Models C-S/R-HC(-A), C-RD-HC(-A)

5. **Gypsum Board* —** — Nom 5/8 in. thick, 48 in. wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 1-7/8 in. long, 6d cement coated nails spaced 6 in. OC.
AMERICAN GYPSUM CO — Types AGX-1, AG-C, Lightfloc

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC — Type C, Type X, Type X-1, Types LGFC6A, LGFC-C/A

CGC INC — Types C, I*-X1, IP-X2, IPC-AR, SCX, WRX

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 9, C, GPFS1, GPFS6, DA, DAP, DAPC, DGG, DS, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, TG-C, GreenGlass Type X, Type LWX (finish rating 22 min), Veneer Plaster Base-Type LWX (finish rating 22 min), Water Rated-Type LWX (finish rating 22 min), Soffit-Type LWX (finish rating 22 min), Type LWX (finish rating 22 min), Type LWZX (finish rating 20 min), Veneer Plaster Base - Type LWZX (finish rating 20 min), Water Rated - Type LWZX (finish rating 20 min), Sheathing - Type LWZX (finish rating 20 min), Soffit - Type LWZX (finish rating 20 min)

NATIONAL GYPSUM CO — eXP-C, FSK, FSK-C, FSK-G, FSL, FSMR-C, FSW-2, FSW-3, FSW-C, FSW-G, FSW-8

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR or WR.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-3, PG-4, PG-5, PG-6, PG-9, PG-C, PG-11, PGS-WRS (Finish Rating 21 minutes), Type PGI (Finish Rating 26 minutes).

PANEL REY S A — Types PRC, PRC2

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

THAI GYPSUM PRODUCTS PCL — Type C, Type X

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

USG BORAL DRYWALL SFZ LLC — Types C, SCX

USG MEXICO S A DE C V — Types C, IP-X1, IP-X2, IPC-AR, SCX, WRX

5A. **Gypsum Board* —** (Finish Rating - 16 min.) Required when Air Balance Inc. Type 299 ceiling damper (Item 4) is installed. Nom 5/8 in. thick, 48 in. wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 1-7/8 in. long, 6d cement coated nails spaced 6 in. OC with the first nails located 1/2 in. and 3 in. from the board edges.
UNITED STATES GYPSUM CO — Type C

USG BORAL DRYWALL SFZ LLC — Types C, SCX

USG MEXICO S A DE C V — Type C

5B. **Gypsum Board* —** Nom 3/4 in. thick, 48 in. wide gypsum board, installed as described in Item 5 with nails length increased to 2 in.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

5C. **Gypsum Board* (As an alternative to Item 5) —** Nom 5/8 in. thick, 48 in. wide gypsum board, insalled with long dimension perpendicular to joists. Gypsum board secured with 1 in. long Type S screws spaced 6 in. OC.
UNITED STATES GYPSUM CO — ULIX

5D. **Gypsum Board* (As an alternative to Item 5A) —** Required when Air Balance Inc. Type 299 ceiling damper (Item 4) is installed. Nom 5/8 in. thick, 48 in. wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 1-7/8 in. long Type S screws spaced 6 in. OC with the first screws located 1/2 in. and 3 in. from the board edges.
UNITED STATES GYPSUM CO — ULIX

5E. **Gypsum Board* (As an alternative to Item 5) —** Nom 5/8 in. thick, 48 in. wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 2 in. long, No. 6 screws spaced 6 in. OC.
NATIONAL GYPSUM CO — FSW, FSW-6

6. **Finishing System — (Not Shown) —** Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads. Nom 2 in. wide paper tape embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.

7. **Grille —** Steel grille, installed in accordance with the installation instructions provided with the ceiling damper.

8. **Steel Corner Fasteners —** (Optional, Not Shown) — Used to attach ends of gypsum board at wall intersection where joists run parallel to wall. Channel shaped, 2 in. long by 1 in. high on the back side with two 1/8 in. wide cleats protruding into the 5/8 in. wide channel, fabricated from 24 gauge galvanized steel. Fasteners nailed to face of wall bearing plate through fastener tab with one No. 6d cement coated nail, spaced not greater than 16 in. OC and 2 in. from edge of gypsum board. Fasteners covered with gypsum board facing applied to intersecting wall.

9. **Discrete Products Installed in Air-handling Spaces* —** Automatic Balancing Valve/Damper — (Not Shown - Optional) — For use with item 4, Ruskin Company's Model CFD7 damper (CABS). Ceiling damper to be provided with plenum box per damper manufacturer's instructions with side outlet only. Entire assembly to be installed into any UL Class 0 or Class 1 flexible air duct in accordance with the instructions provided by the automatic balancing valve/damper manufacturer.
METAL INDUSTRIES INC — Model ABV-4, ABV-5, ABV-6

*** 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 2021-06-21

1	UL #L501 (1-HR DWELLING UNIT SEPARATION)
	NTS

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Zimmer Development Company
Fort Meyers, Florida

PROGRESS DATE:	11-24-21 (99% Set)			
ISSUE DATE:	-			
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION	

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: UL Detail

SHEET NUMBER: A0.27

APARTMENT FLOOR PLAN GENERAL NOTES

1: DIMENSIONS ARE TO THE EXTERIOR FACE OF STUDS. UNO

2: SLOPE CONCRETE AT BREEZEWAY ENTRY CORRIDOR PER THE BUILDING AND/OR THE FOUNDATION PLAN AND FOR LOCATIONS AND EXTENT OF SLOPE.

3: SEE LIFE SAFETY PLAN FOR FIRE EXTINGUISHER LOCATIONS.

4: BEARING WALLS ARE SHOWN ON BUILDING FRAMING PLANS.

5: REFER TO ENLARGED UNIT PLANS FOR WINDOW & DOOR DIMENSIONS.

6: REFER TO "A0.20" SHEETS FOR ALL APPLICABLE UL DETAILS AND ALL OTHER CODE REQUIREMENTS.

7: ALL MOBILITY UNIT DOORS TO HAVE IDENTIFICATION SIGNS MOUNTED ON LATCH SIDE OF DOOR WHICH INCLUDE RAISED CHARACTERS & BRAILLE MOUNTED AT CONSISTENT HGT. PER FLORIDA ACCESSIBILITY CODE.

8: REFER TO WINDOW AND DOOR SCHEDULE FOR MORE INFORMATION.

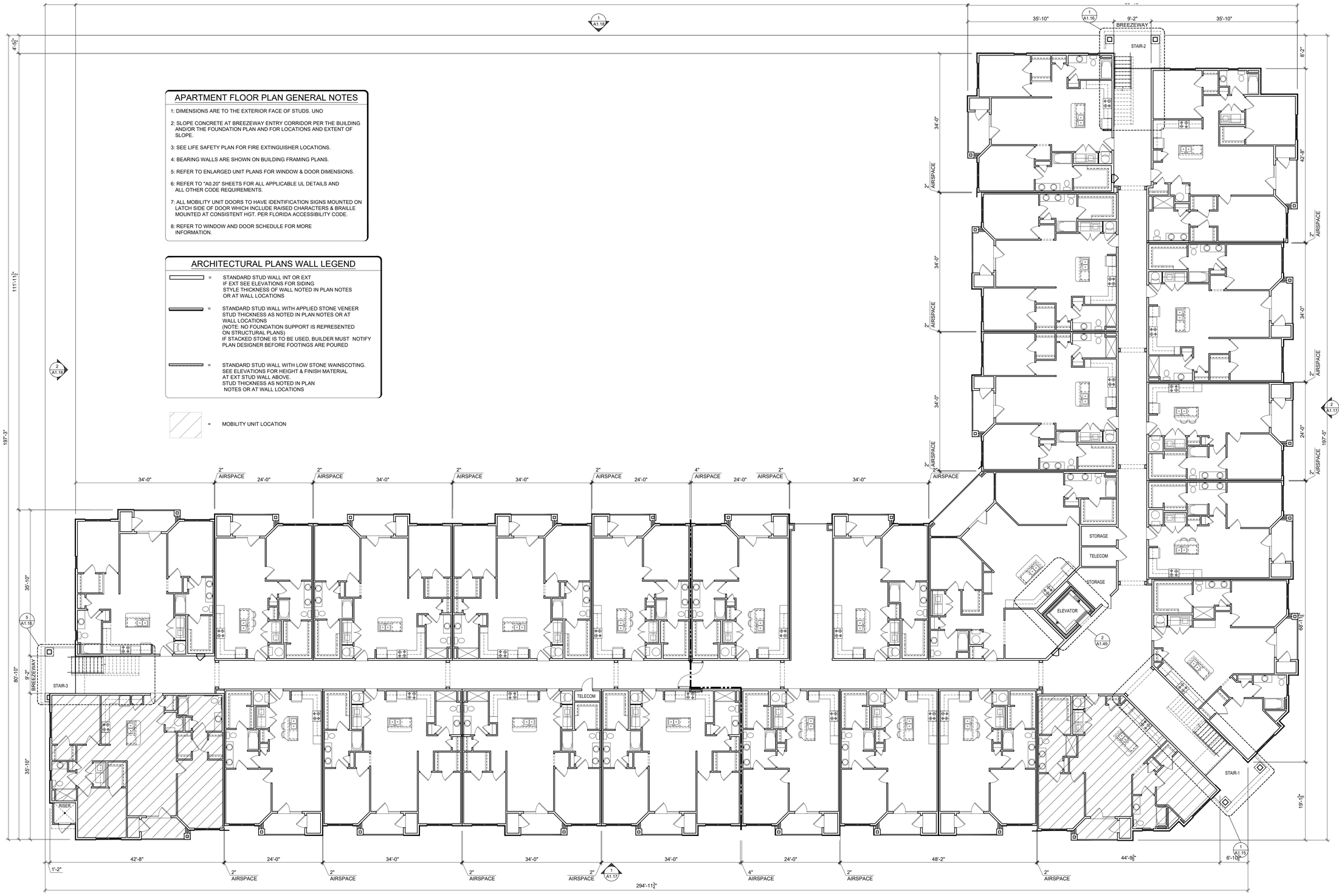
ARCHITECTURAL PLANS WALL LEGEND

= STANDARD STUD WALL INT OR EXT
IF EXT SEE ELEVATIONS FOR SIDING
STYLE THICKNESS OF WALL NOTED IN PLAN NOTES
OR AT WALL LOCATIONS

= STANDARD STUD WALL WITH APPLIED STONE VENEER
STUD THICKNESS AS NOTED IN PLAN NOTES OR AT
WALL LOCATIONS
(NOTE: NO FOUNDATION SUPPORT IS REPRESENTED
ON STRUCTURAL PLANS)
IF STACKED STONE IS TO BE USED, BUILDER MUST NOTIFY
PLAN DESIGNER BEFORE FOOTINGS ARE POURED

= STANDARD STUD WALL WITH LOW STONE WAINSCOTING.
SEE ELEVATIONS FOR HEIGHT & FINISH MATERIAL
AT EXT STUD WALL ABOVE.
STUD THICKNESS AS NOTED IN PLAN
NOTES OR AT WALL LOCATIONS

= MOBILITY UNIT LOCATION



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BUILDING TYPE 1-L - FIRST FLOOR PLAN

Scale: 3/32" = 1'-0"

1

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Zimmer Development Company
Fort Meyers, Florida
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PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 1-L
First Floor Plan

SHEET NUMBER:
A1.10-L

APARTMENT FLOOR PLAN GENERAL NOTES

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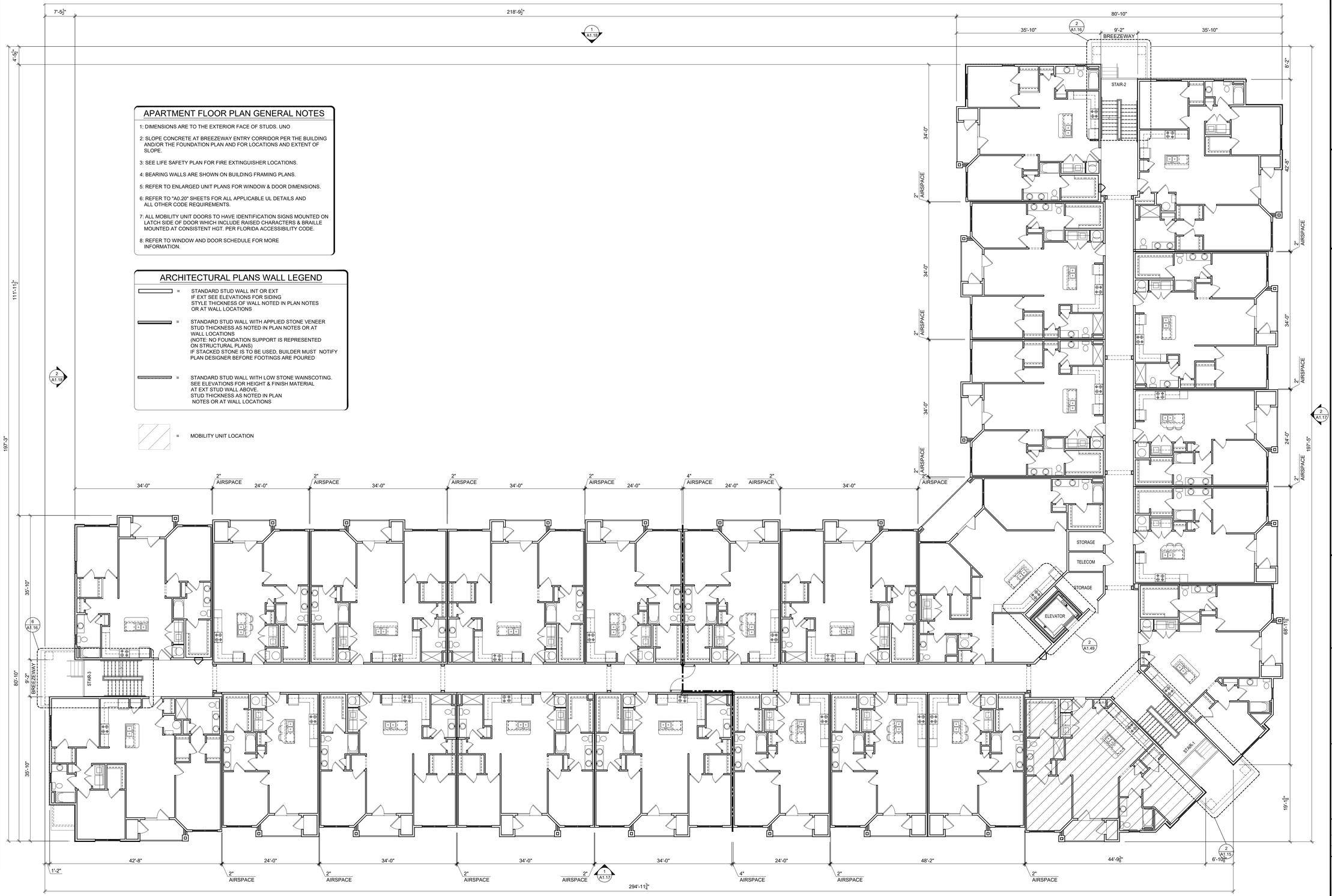
= MOBILITY UNIT LOCATION



BUILDING TYPE 1-L - SECOND FLOOR PLAN

Scale: 3/32" = 1'-0"

1

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CHECKED BY:	

SHEET TITLE:
Building Type 1-L
Second Floor Plan

SHEET NUMBER:
A1.11-L

APARTMENT FLOOR PLAN GENERAL NOTES

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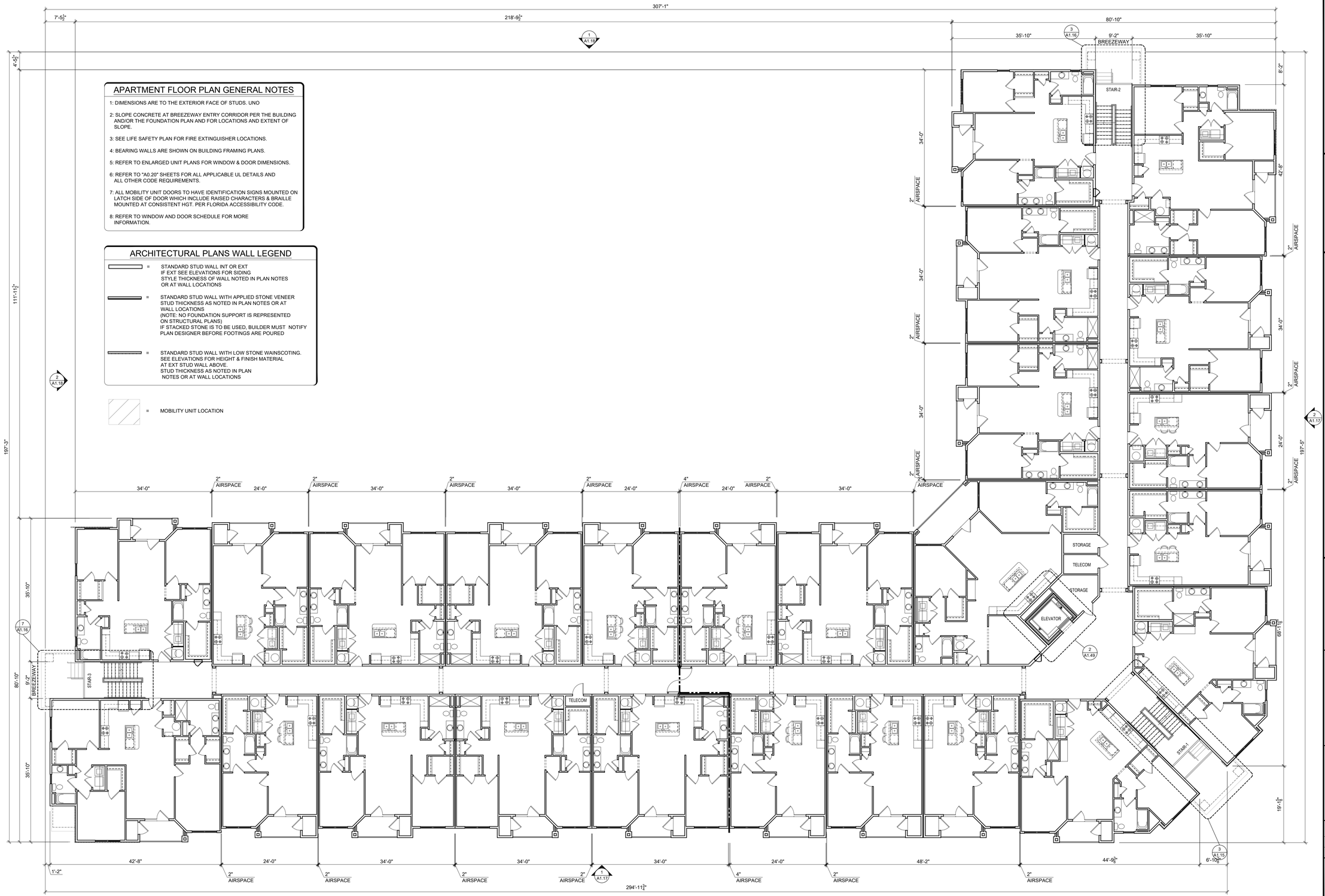
= MOBILITY UNIT LOCATION



BUILDING TYPE 1-L - THIRD FLOOR PLAN

Scale: 3/32" = 1'-0"

1

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ISSUE DATE:	-
REVISIONS NUMBER	DATE / INITIALS / DESCRIPTION
PROJECT NO:	010819
DRAWN BY:	CL/AM
CHECKED BY:	

SHEET TITLE:
Building Type 1-L
Third Floor Plan

SHEET NUMBER:
A1.12-L

APARTMENT FLOOR PLAN GENERAL NOTES

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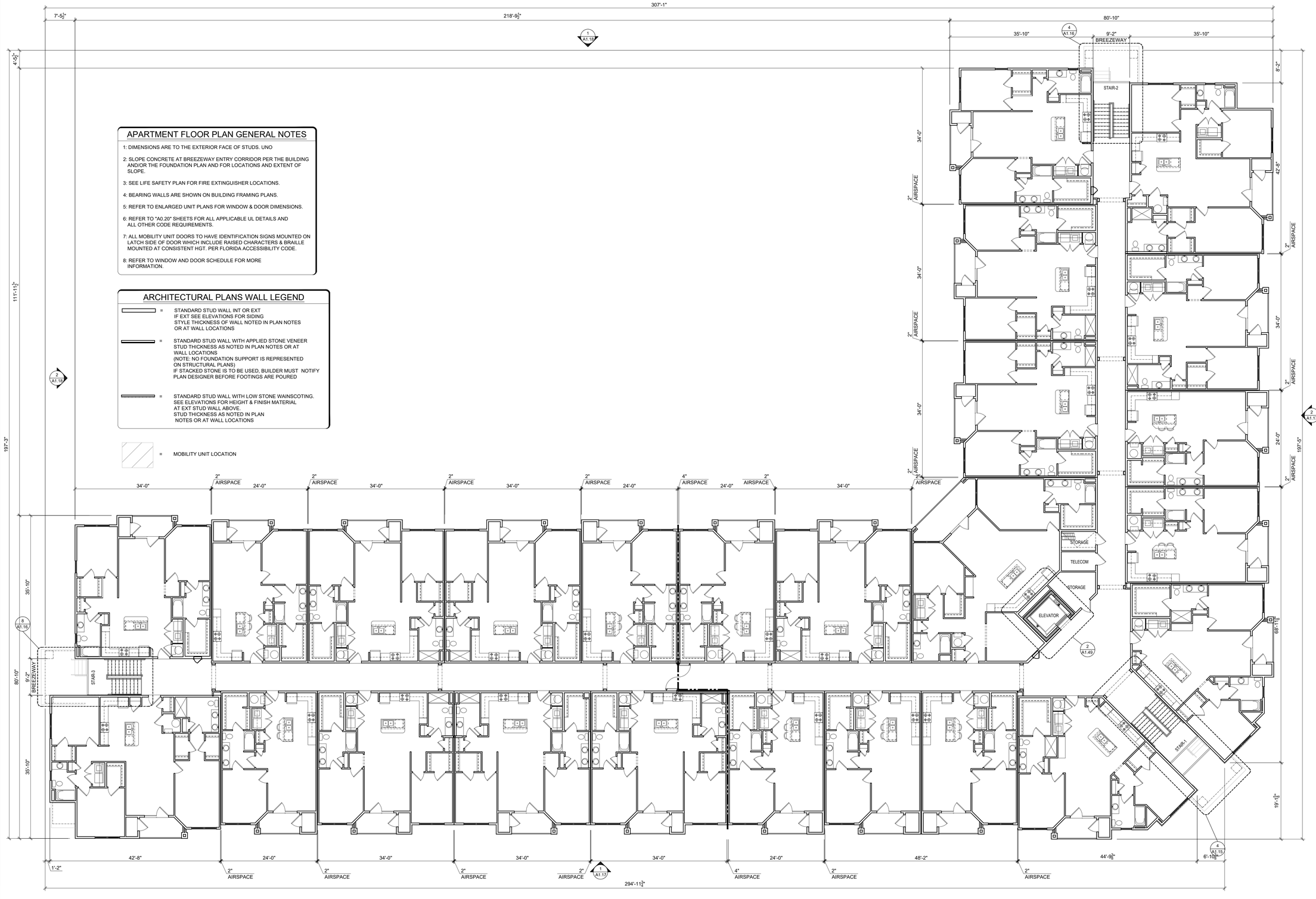
SEE ELEVATIONS FOR HEIGHT & FINISH MATERIAL AT EXT STUD WALL ABOVE.
STUD THICKNESS AS NOTED IN PLAN NOTES OR AT WALL LOCATIONS

= MOBILITY UNIT LOCATION



BUILDING TYPE 1-L - FOURTH FLOOR PLAN

Scale: 3/32" = 1'-0"

1

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Fort Meyers, Florida
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ISSUE DATE:	-			
REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION	

PROJECT NO: 010819
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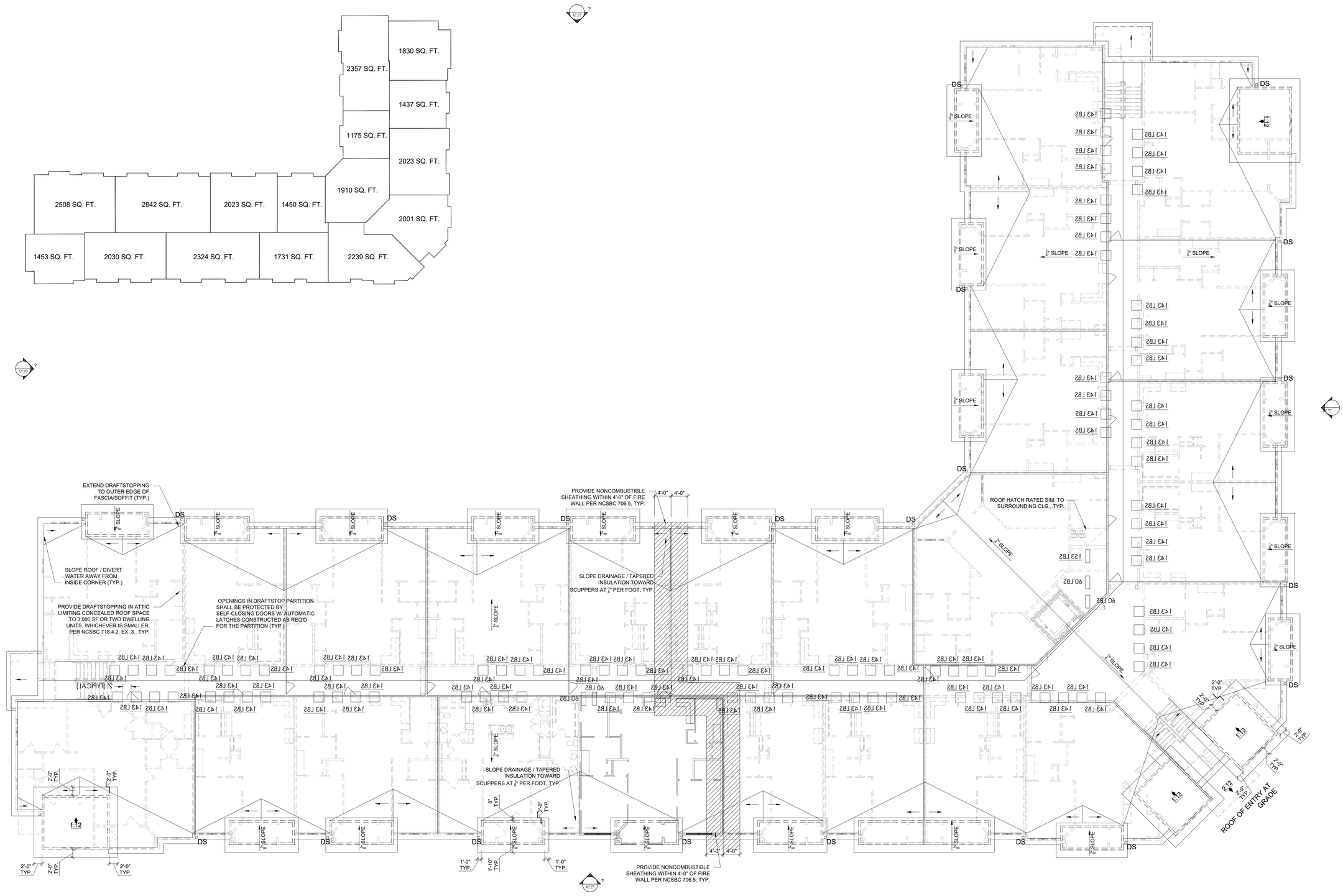
CHECKED BY:

SHEET TITLE:
Building Type 1-L
Fourth Floor Plan

SHEET NUMBER:
A1.13-L



BUILDING TYPE 1-L - ROOF PLAN

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1

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REVISIONS: NUMBER | DATE | INITIALS | DESCRIPTION

PROJECT NO: 010819
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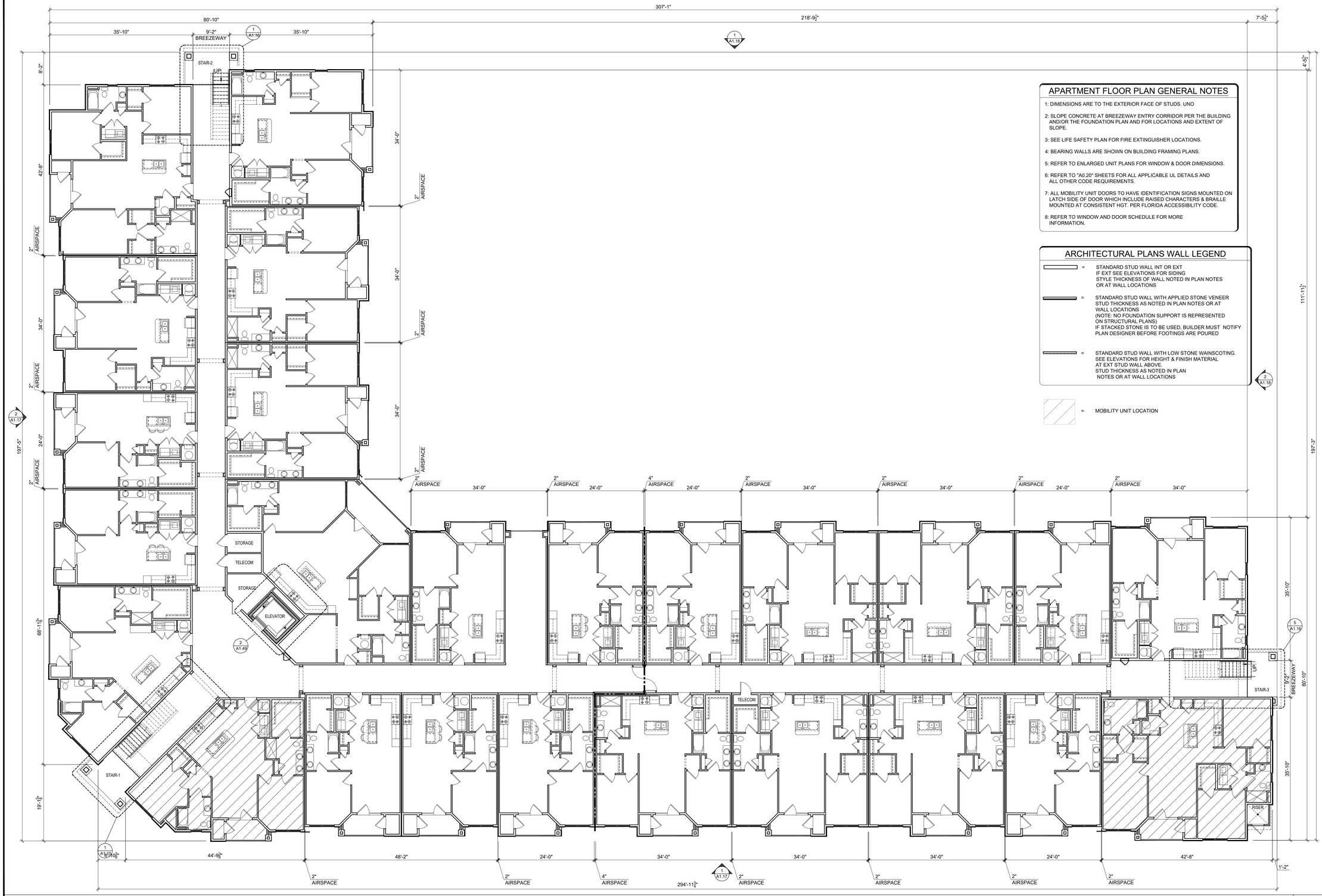
SHEET TITLE:
Building Type 1-L
Roof Plan

SHEET NUMBER:
A1.14-L



APARTMENT FLOOR PLAN GENERAL NOTES

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AT EXT STUD WALL ABOVE.
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NOTES OR AT WALL LOCATIONS

= MOBILITY UNIT LOCATION

BUILDING TYPE 1-R - FIRST FLOOR PLAN

Scale: 3/32" = 1'-0"

1

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Fort Meyers, Florida
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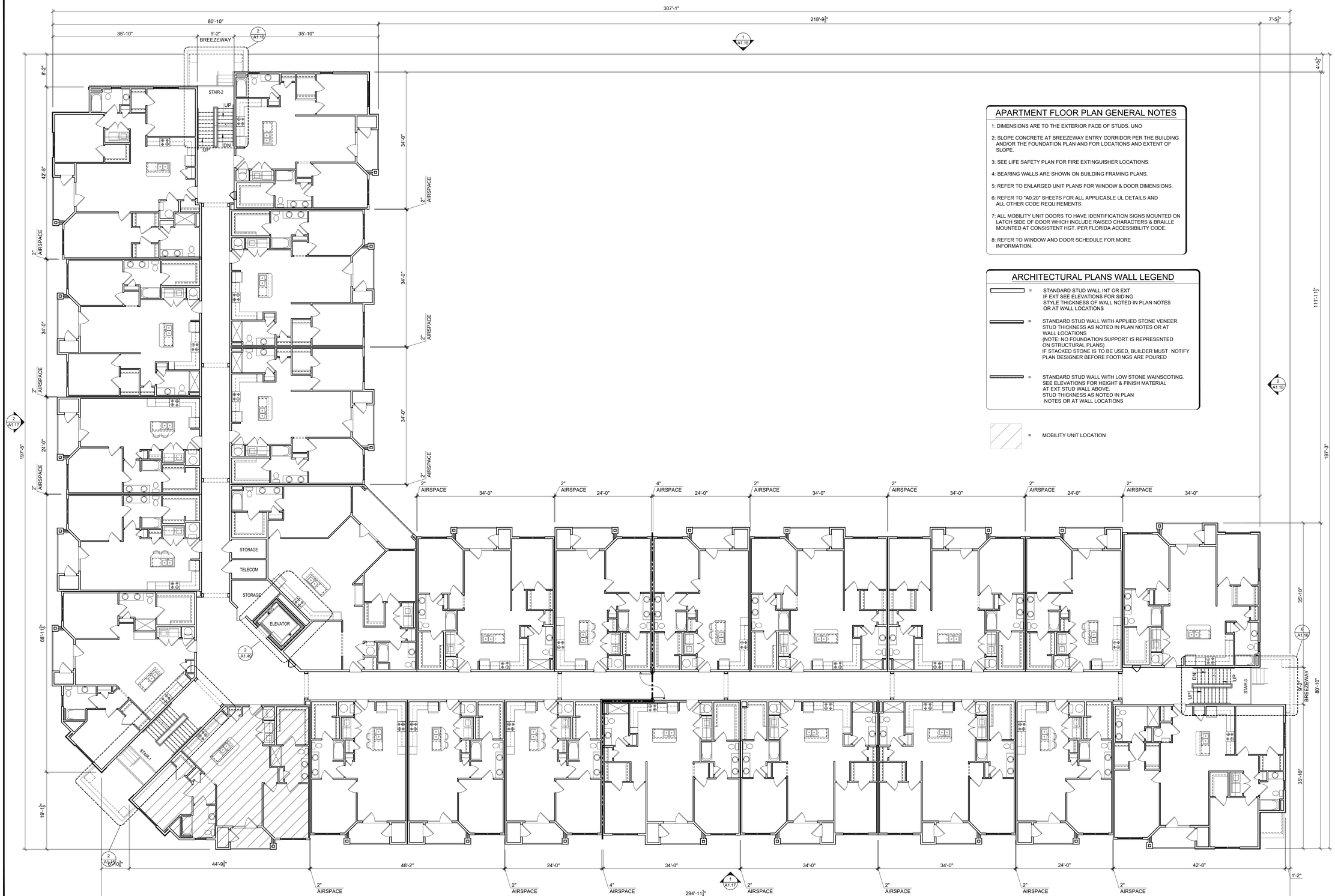
PROGRESS DATE:	11-24-21 (99% Set)			
ISSUE DATE:	-			
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION	

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 1-R
First Floor Plan

SHEET NUMBER:
A1.10-R



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IF STACKED STONE IS TO BE USED, BUILDER MUST NOTIFY
PLAN DESIGNER BEFORE FOOTINGS ARE POURED

= STANDARD STUD WALL WITH LOW STONE WAINSCOTING.
SEE ELEVATIONS FOR HEIGHT & FINISH MATERIAL
AT EXT STUD WALL ABOVE.
STUD THICKNESS AS NOTED IN PLAN
NOTES OR AT WALL LOCATIONS

= MOBILITY UNIT LOCATION

BUILDING TYPE 1-R - SECOND FLOOR PLAN

Scale: 3/32" = 1'-0"

1

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Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
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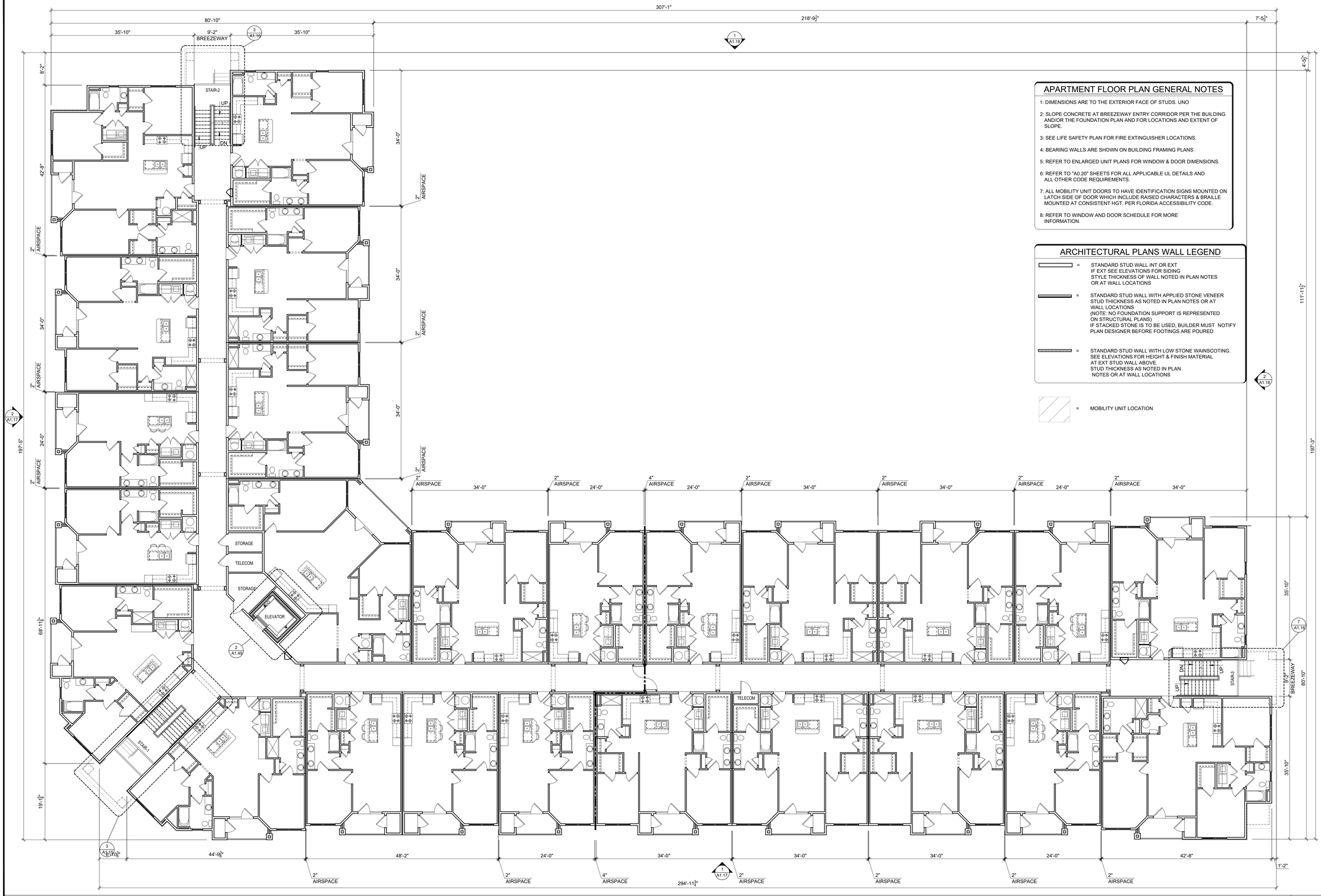
PROGRESS DATE:	11-24-21 (99% Set)			
ISSUE DATE:	-			
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION	

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 1-R
Second Floor Plan

SHEET NUMBER:
A1.11-R



APARTMENT FLOOR PLAN GENERAL NOTES

1: DIMENSIONS ARE TO THE EXTERIOR FACE OF STUDS. UNO

2: SLOPE CONCRETE AT BREEZEWAY ENTRY CORRIDOR PER THE BUILDING AND/OR THE FOUNDATION PLAN AND FOR LOCATIONS AND EXTENT OF SLOPE.

3: SEE LIFE SAFETY PLAN FOR FIRE EXTINGUISHER LOCATIONS.

4: BEARING WALLS ARE SHOWN ON BUILDING FRAMING PLANS.

5: REFER TO ENLARGED UNIT PLANS FOR WINDOW & DOOR DIMENSIONS.

6: REFER TO "A0.20" SHEETS FOR ALL APPLICABLE UL DETAILS AND ALL OTHER CODE REQUIREMENTS.

7: ALL MOBILITY UNIT DOORS TO HAVE IDENTIFICATION SIGNS MOUNTED ON LATCH SIDE OF DOOR WHICH INCLUDE RAISED CHARACTERS & BRAILLE MOUNTED AT CONSISTENT HGT. PER FLORIDA ACCESSIBILITY CODE.

8: REFER TO WINDOW AND DOOR SCHEDULE FOR MORE INFORMATION.

ARCHITECTURAL PLANS WALL LEGEND

= STANDARD STUD WALL INT OR EXT
IF EXT SEE ELEVATIONS FOR SIDING
STYLE THICKNESS OF WALL NOTED IN PLAN NOTES
OR AT WALL LOCATIONS

= STANDARD STUD WALL WITH APPLIED STONE VENEER
STUD THICKNESS AS NOTED IN PLAN NOTES OR AT
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(NOTE: NO FOUNDATION SUPPORT IS REPRESENTED
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AT EXT STUD WALL ABOVE.
STUD THICKNESS AS NOTED IN PLAN
NOTES OR AT WALL LOCATIONS

= MOBILITY UNIT LOCATION

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Zimmer Development Company
Fort Meyers, Florida
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PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 1-R
Third Floor Plan

SHEET NUMBER:
A1.12-R

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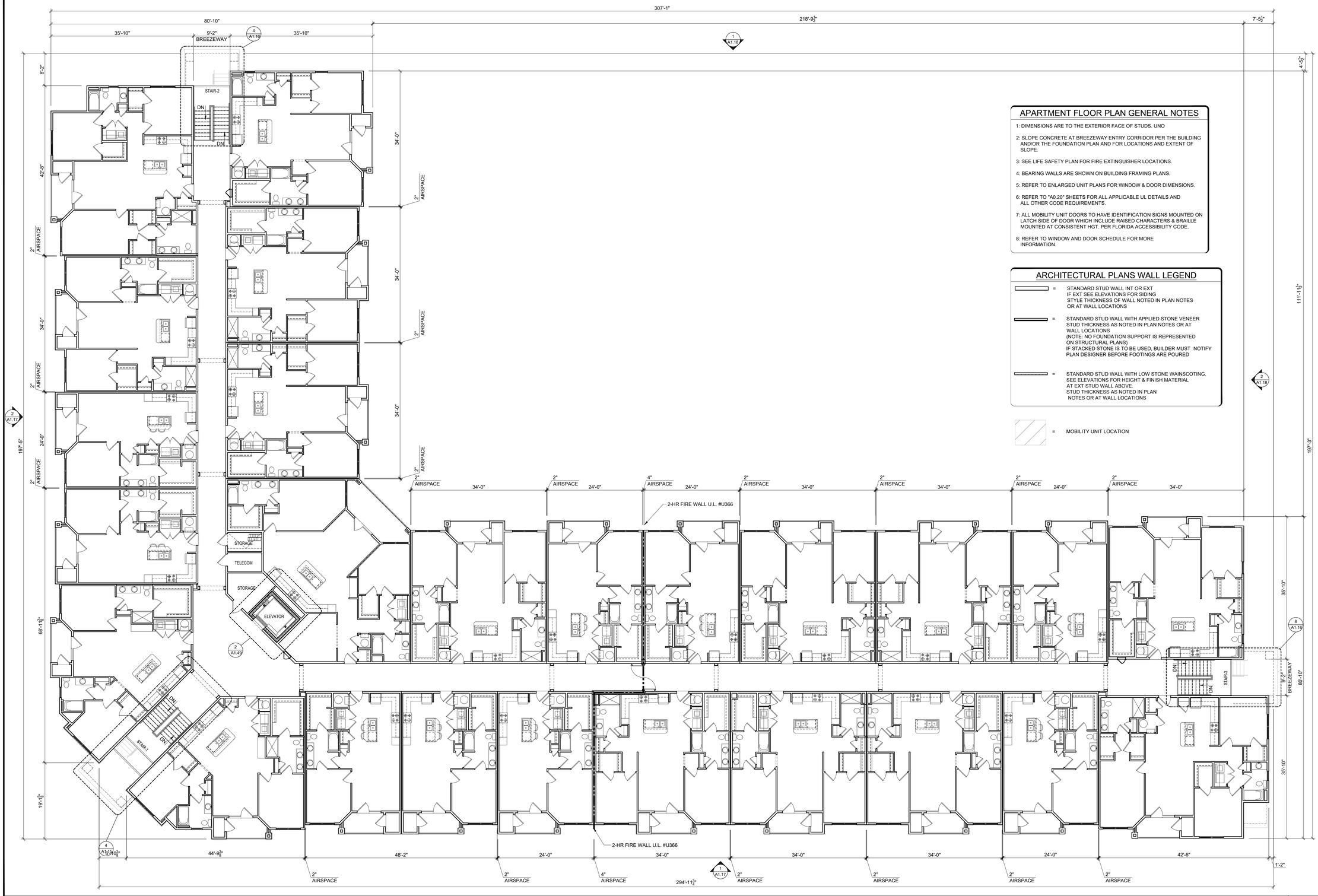

APARTMENT FLOOR PLAN GENERAL NOTES

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SEE ELEVATIONS FOR HEIGHT & FINISH MATERIAL
AT EXT STUD WALL ABOVE.
STUD THICKNESS AS NOTED IN PLAN
NOTES OR AT WALL LOCATIONS

= MOBILITY UNIT LOCATION

BUILDING TYPE 1-R - FOURTH FLOOR PLAN

Scale: 3/32" = 1'-0"

1

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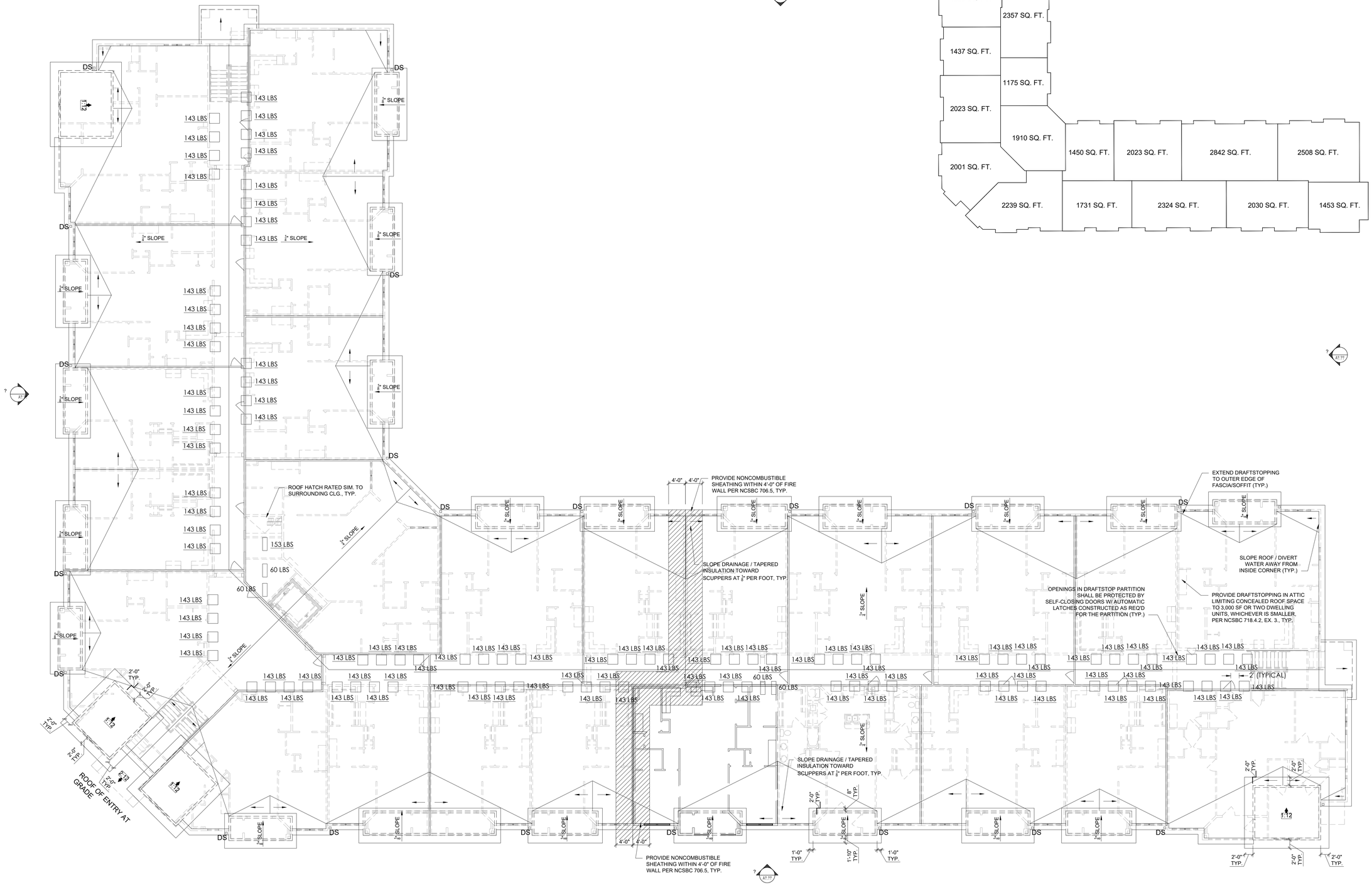
ISSUE DATE: -

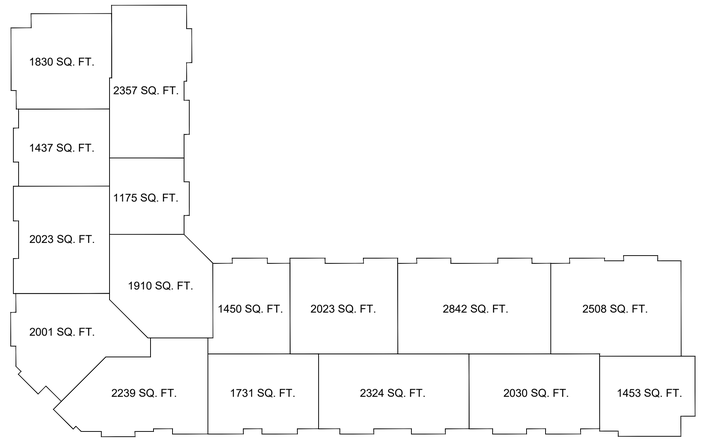
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 1-R
Fourth Floor Plan

SHEET NUMBER:
A1.13-R





BUILDING TYPE 1-R - ROOF PLAN

Scale: 3/32" = 1'-0"

1

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PROGRESS DATE:			
ISSUE DATE:			
11-24-21 (99% Set)	-		
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 1-R Roof Plan

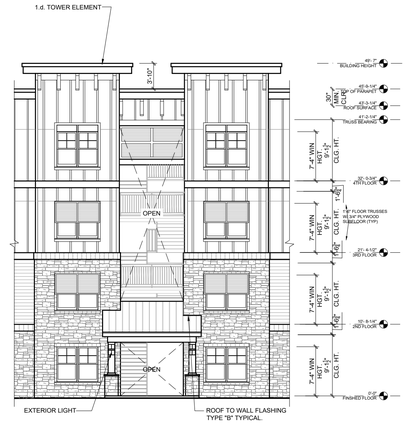
SHEET NUMBER:
A1.14-R

ARCHITECTURAL PLANS
EXTERIOR MATERIALS

- = STANDING SEAM METAL ROOF
- = FIBER CEMENT LAP SIDING
- = FIBER CEMENT BOARD & BATTEN (w/ 2" BATTEN STRIPS SPACED PER ELEVATIONS)
- = FIBER CEMENT PANEL BOARD
- = STONE VENEER
- = STONE ROWLOCK/SOLDIER (DESIGN STANDARD 2.c. & 2.d.)

BUILDING TYPE 1 - FRONT ELEVATION — 1
Scale: 3/32" = 1'-0"

BUILDING TYPE 1 - LEFT ELEVATION — 2
Scale: 3/32" = 1'-0"



FRONT ENTRY PARTIAL ELEVATION — 3
Scale: 3/32" = 1'-0"

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REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
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SHEET TITLE:
Building Type 1
Exterior Elevations

SHEET NUMBER:
A1.15

ARCHITECTURAL PLANS
EXTERIOR MATERIALS

= STANDING SEAM METAL ROOF

= FIBER CEMENT LAP SIDING

= FIBER CEMENT BOARD & BATTEN (w/ 2" BATTEN STRIPS SPACED PER ELEVATIONS)

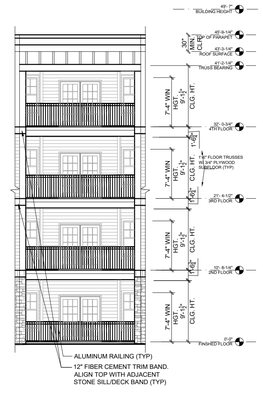
= FIBER CEMENT PANEL BOARD

= STONE VENEER

= STONE ROWLOCK/SOLDIER (DESIGN STANDARD 2.c. & 2.d.)

BUILDING TYPE 1 - REAR ELEVATION | 1
Scale: 3/32" = 1'-0"

BUILDING TYPE 1 - RIGHT ELEVATION | 2
Scale: 3/32" = 1'-0"



INSIDE CORNER PARTIAL ELEV. | 3
Scale: 3/32" = 1'-0"

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ISSUE DATE:	-		
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 1
Exterior Elevations

SHEET NUMBER:
A1.16

APARTMENT FLOOR PLAN GENERAL NOTES

1: DIMENSIONS ARE TO THE EXTERIOR FACE OF STUDS, UNO

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ARCHITECTURAL PLANS WALL LEGEND

= STANDARD STUD WALL INT OR EXT
IF EXT SEE ELEVATIONS FOR SIDING
STYLE THICKNESS OF WALL NOTED IN PLAN NOTES OR AT WALL LOCATIONS

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NOTES OR AT WALL LOCATIONS

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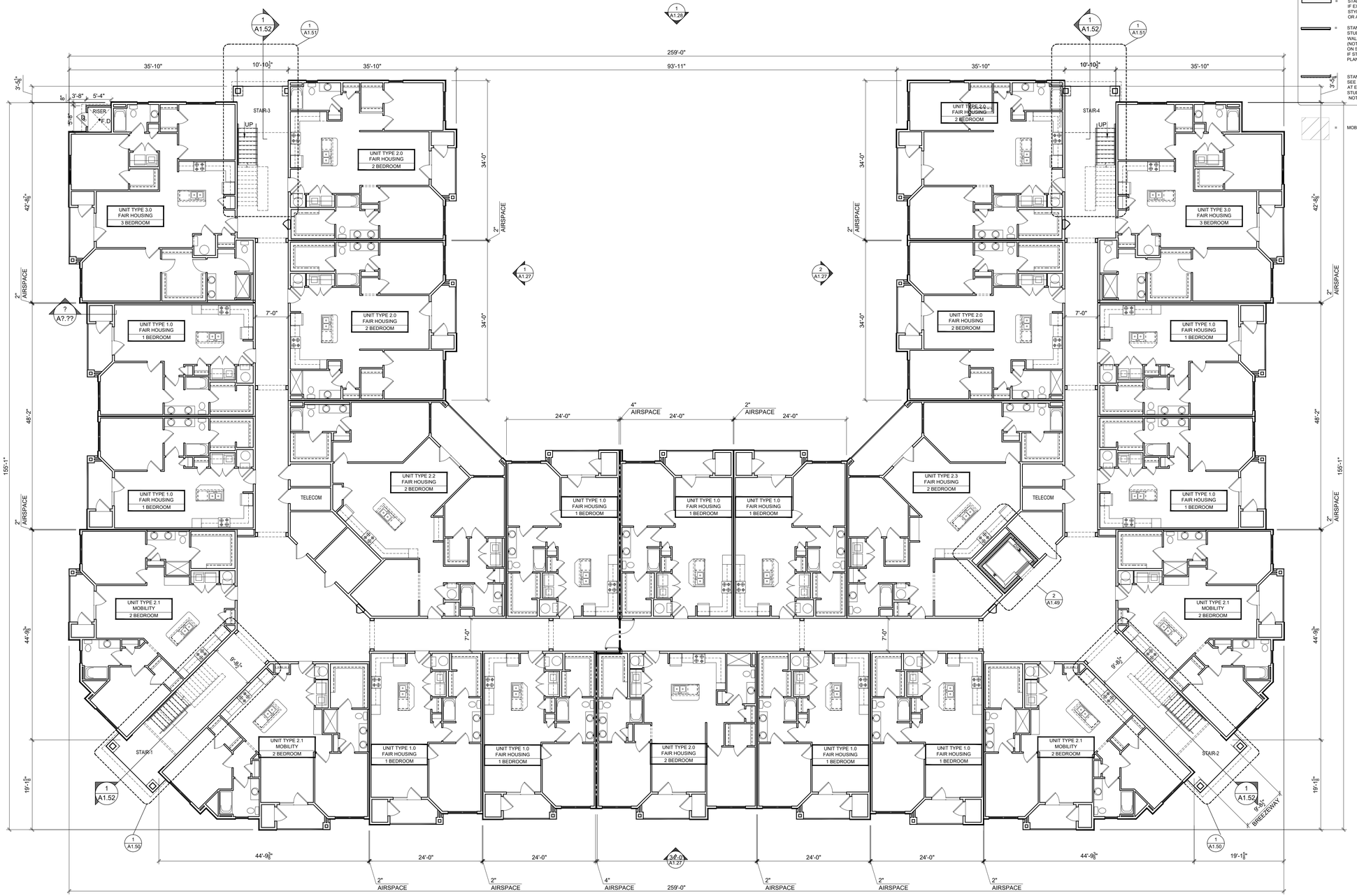

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Fort Meyers, Florida
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ISSUE DATE:	11-24-21 (99% Set)	-			

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 2
First Floor Plan

SHEET NUMBER:
A1.20

BUILDING TYPE 2 - FIRST FLOOR PLAN
Scale: 3/32" = 1'-0"
1

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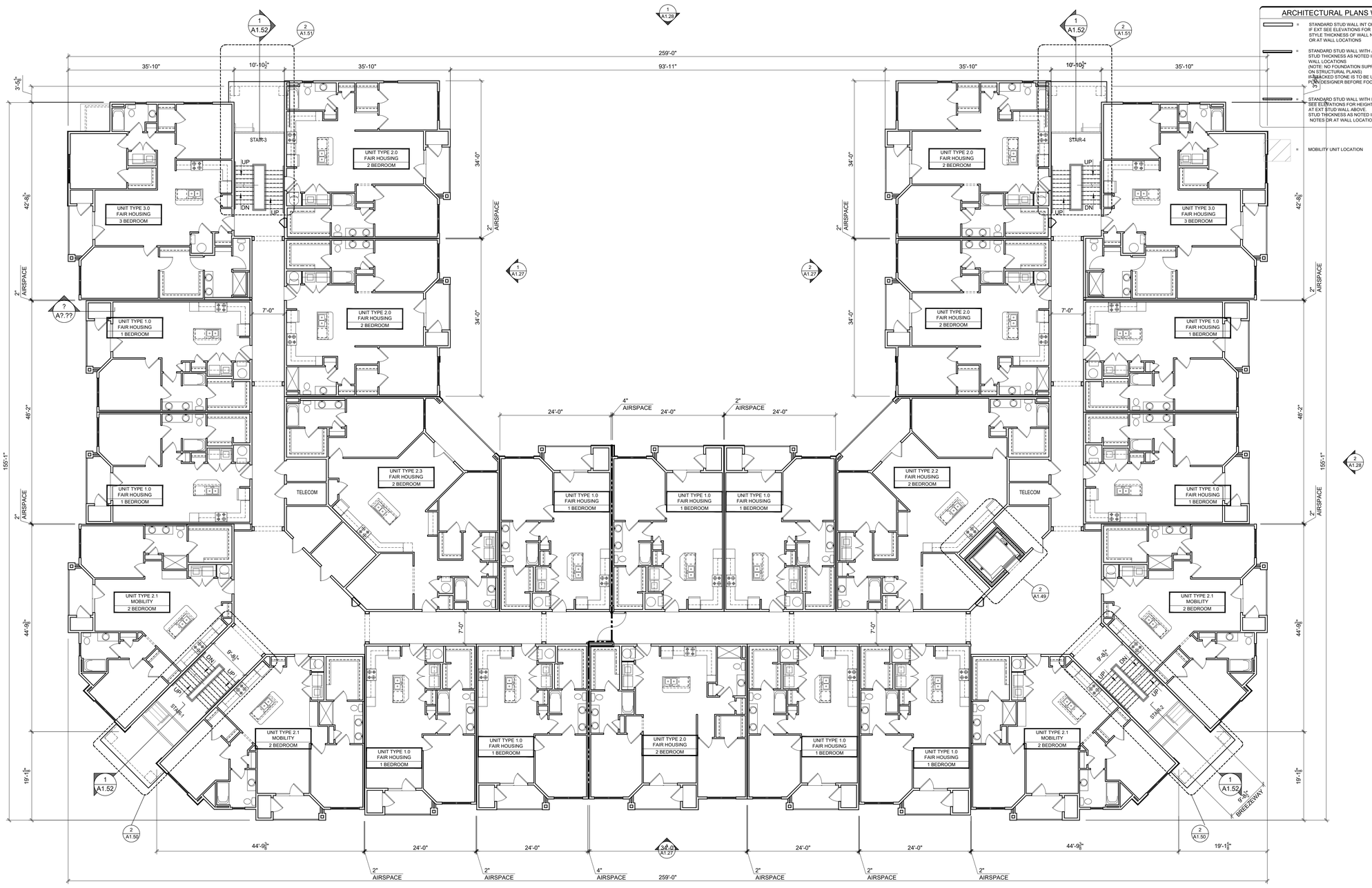
= MOBILITY UNIT LOCATION



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ISSUE DATE:	-		
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Building Type 2 Second Floor Plan

BUILDING TYPE 2 - SECOND FLOOR PLAN
Scale: 3/32" = 1'-0"

1

SHEET NUMBER: A1.21

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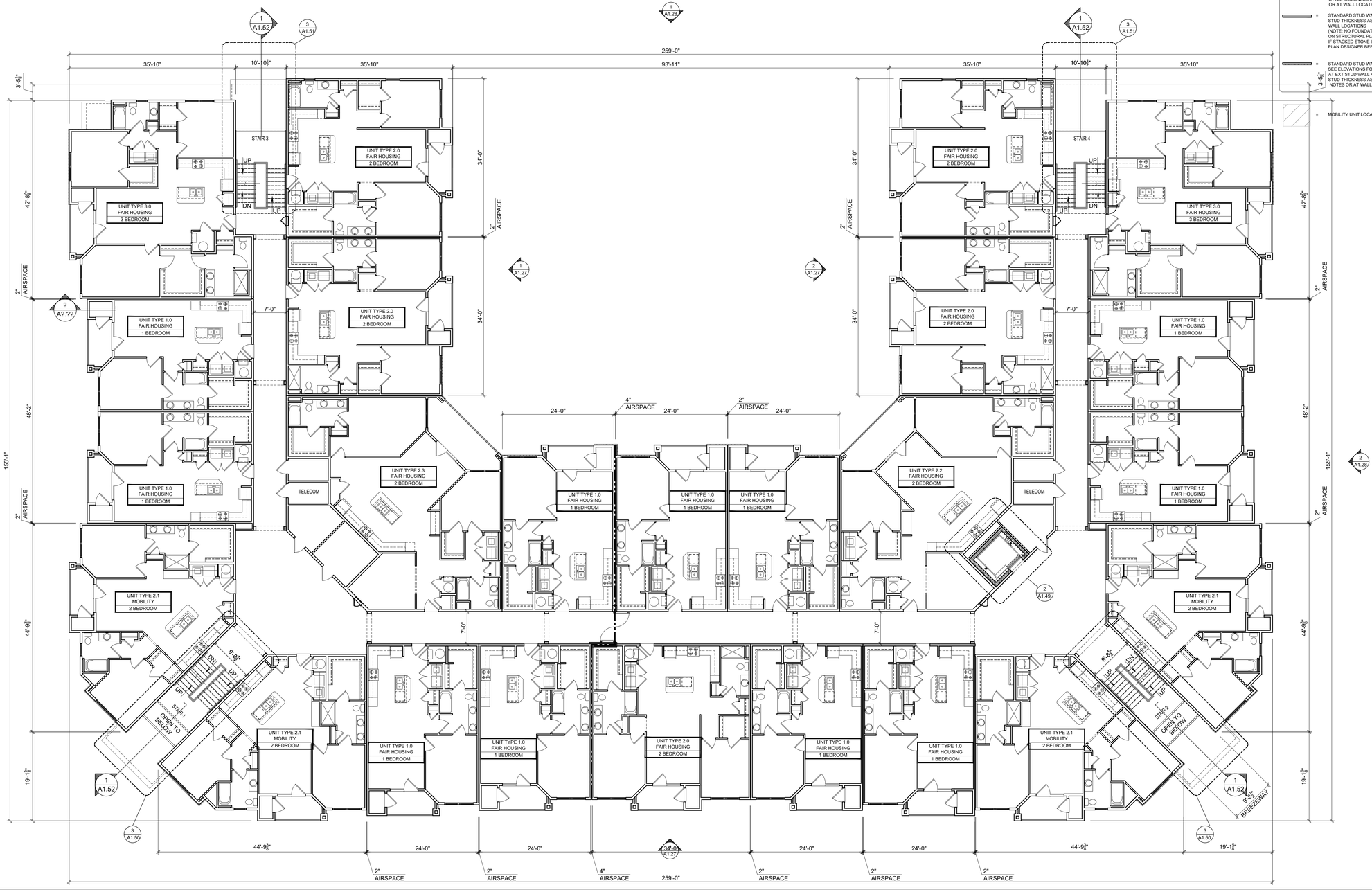
NOTES OR AT WALL LOCATIONS

= MOBILITY UNIT LOCATION



BUILDING TYPE 2 - THIRD FLOOR PLAN

Scale: 3/32" = 1'-0"

1

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Zimmer Development Company
Fort Meyers, Florida
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PROGRESS DATE:	11-24-21 (99% Set)		
ISSUE DATE:	-		
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 2
Third Floor Plan

SHEET NUMBER:
A1.22

APARTMENT FLOOR PLAN GENERAL NOTES

1: DIMENSIONS ARE TO THE EXTERIOR FACE OF STUDS. UNO

2: SLOPE CONCRETE AT BREEZEWAY ENTRY CORRIDOR PER THE BUILDING AND/OR THE FOUNDATION PLAN AND FOR LOCATIONS AND EXTENT OF SLOPE.

3: SEE LIFE SAFETY PLAN FOR FIRE EXTINGUISHER LOCATIONS.

4: BEARING WALLS ARE SHOWN ON BUILDING FRAMING PLANS.

5: REFER TO ENLARGED UNIT PLANS FOR WINDOW & DOOR DIMENSIONS.

6: REFER TO "A0.20" SHEETS FOR ALL APPLICABLE UL DETAILS AND ALL OTHER CODE REQUIREMENTS.

7: ALL MOBILITY UNIT DOORS TO HAVE IDENTIFICATION SIGNS MOUNTED ON LATCH SIDE OF DOOR WHICH INCLUDE RAISED CHARACTERS & BRAILLE MOUNTED AT CONSISTENT HGT. PER FLORIDA ACCESSIBILITY CODE.

8: REFER TO WINDOW AND DOOR SCHEDULE FOR MORE INFORMATION.

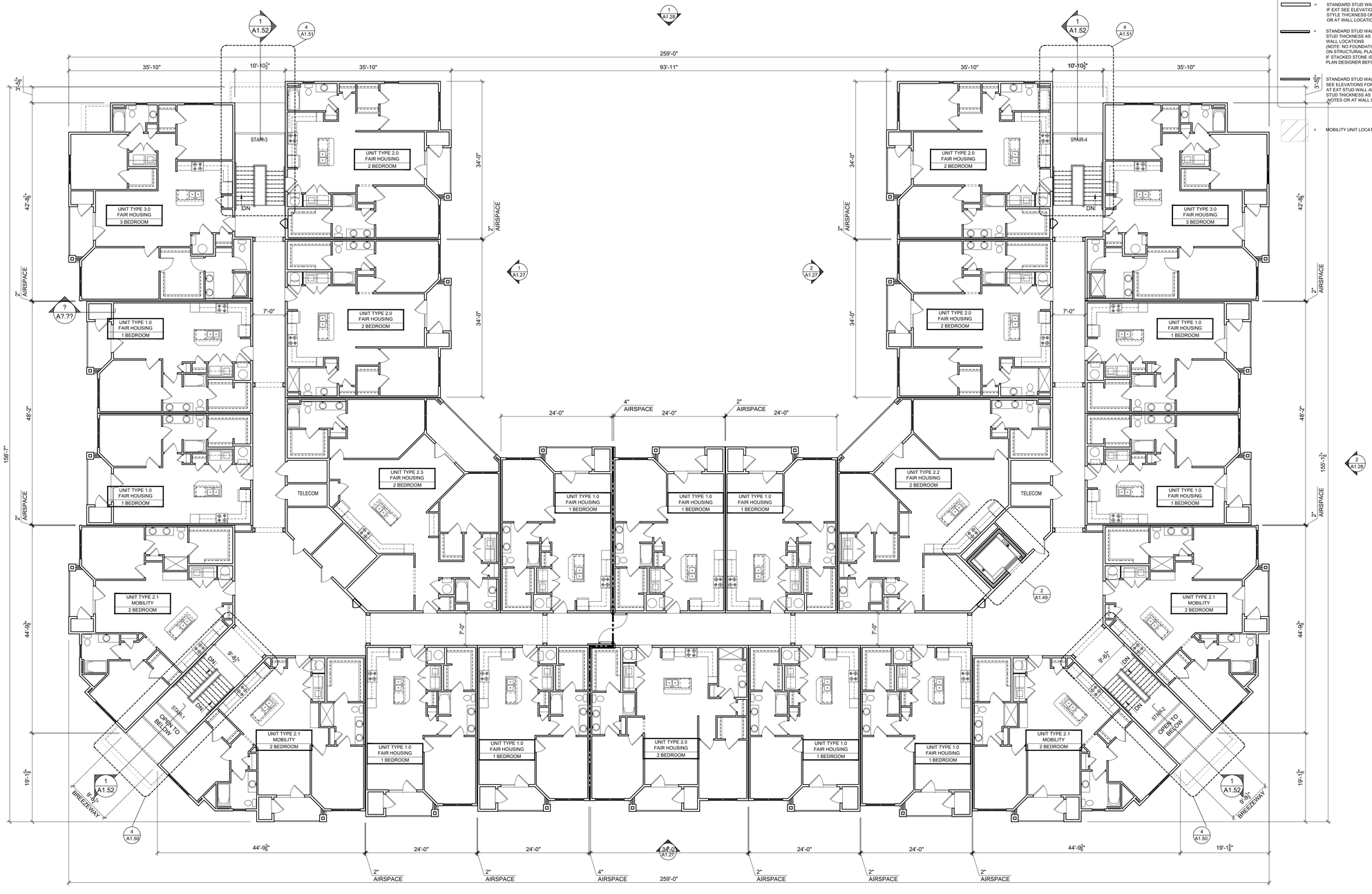
ARCHITECTURAL PLANS WALL LEGEND

= STANDARD STUD WALL INT OR EXT
IF EXT SEE ELEVATIONS FOR SIDING STYLE THICKNESS OF WALL NOTED IN PLAN NOTES OR AT WALL LOCATIONS

= STANDARD STUD WALL WITH APPLIED STONE VENEER STUD THICKNESS AS NOTED IN PLAN NOTES OR AT WALL LOCATIONS
(NOTE: NO FOUNDATION SUPPORT IS REPRESENTED ON STRUCTURAL PLANS)
IF STACKED STONE IS TO BE USED, BUILDER MUST NOTIFY PLAN DESIGNER BEFORE FOOTINGS ARE POURED

= STANDARD STUD WALL WITH LOW STONE WAINSCOTING. SEE ELEVATIONS FOR HEIGHT & FINISH MATERIAL AT EXT STUD WALL ABOVE.
STUD THICKNESS AS NOTED IN PLAN NOTES OR AT WALL LOCATIONS

= MOBILITY UNIT LOCATION



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PROGRESS DATE:	11-24-21 (99% Set)		
ISSUE DATE:	-		
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 2
Fourth Floor Plan

SHEET NUMBER:
A1.23

BUILDING TYPE 2 - FOURTH FLOOR PLAN
Scale: 3/32" = 1'-0"

1

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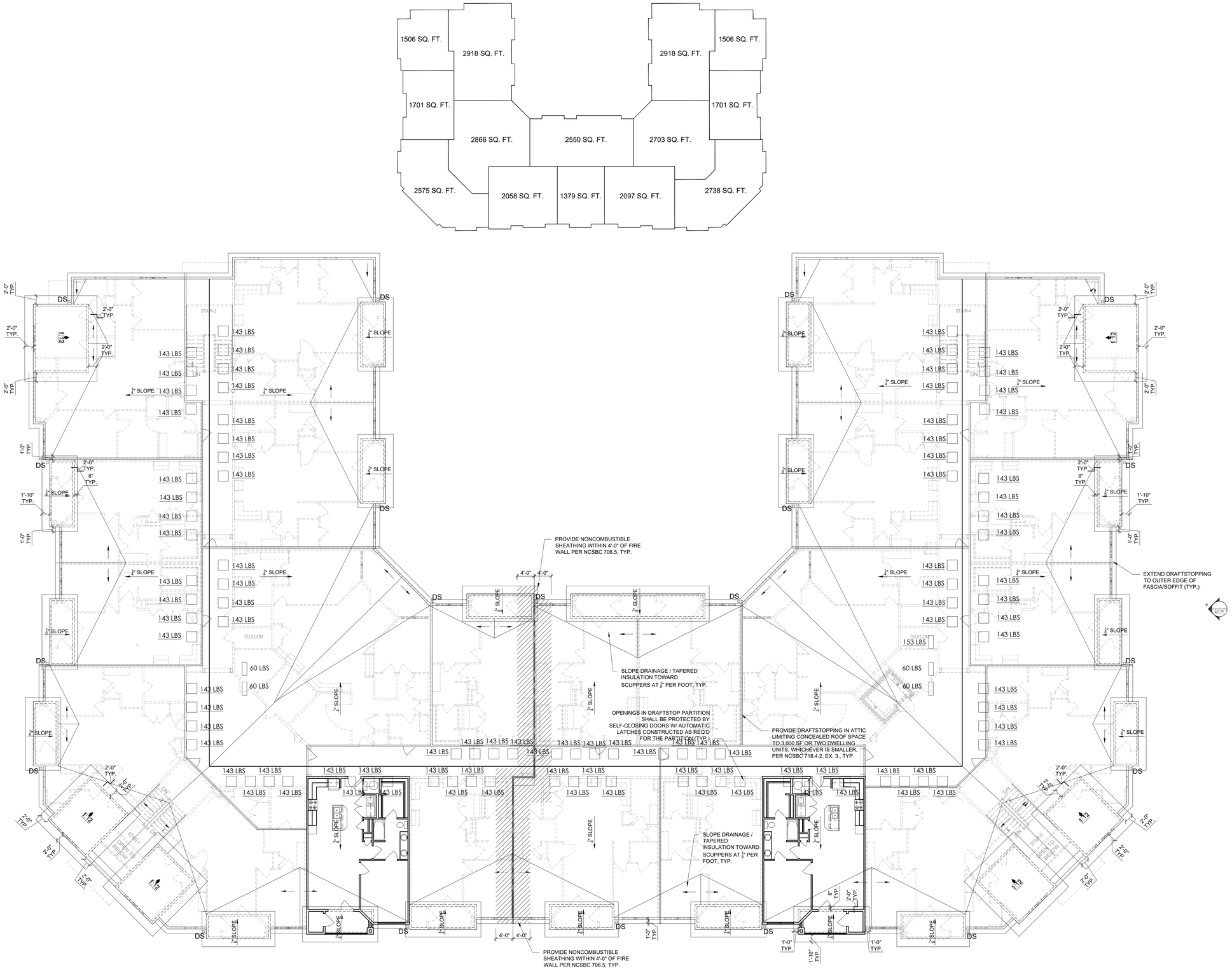

BUILDING TYPE 2 - ROOF PLAN

Scale: 3/32" = 1'-0"

1

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REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Type 2
Roof Plan

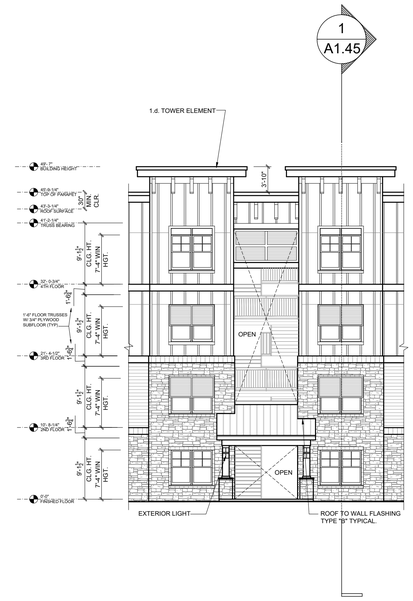
SHEET NUMBER:
A1.24

ARCHITECTURAL PLANS
EXTERIOR MATERIALS

- = STANDING SEAM METAL ROOF
- = FIBER CEMENT LAP SIDING
- = FIBER CEMENT BOARD & BATTEN (w/ 2" BATTEN STRIPS SPACED PER ELEVATIONS)
- = FIBER CEMENT PANEL BOARD
- = STONE VENEER
- = STONE ROWLOCK/SOLDIER (DESIGN STANDARD 2.c. & 2.d.)

BUILDING TYPE 2 - FRONT ELEVATION | 1
Scale: 1/8" = 1'-0"

BUILDING TYPE 2 - LEFT ELEVATION | 2
Scale: 1/8" = 1'-0"



FRONT ENTRY PARTIAL ELEVATION | 3
Scale: 1/8" = 1'-0"

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ISSUE DATE:	-		
REVISIONS: NUMBER	DESCRIPTION	INITIALS	DATE

PROJECT NO: 010819
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SHEET TITLE:
Building Type 2
Exterior Elevations

SHEET NUMBER:
A1.25

ARCHITECTURAL PLANS
EXTERIOR MATERIALS

= STANDING SEAM METAL ROOF

= FIBER CEMENT LAP SIDING

= FIBER CEMENT BOARD & BATTEN
(w/ 2" BATTEN STRIPS SPACED PER ELEVATIONS)

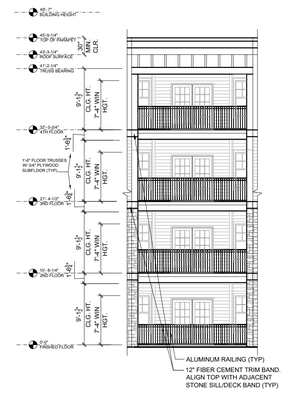
= FIBER CEMENT PANEL BOARD

= STONE VENEER

= STONE ROWLOCK/SOLDIER
(DEFION STANDARD 2.c. & 2.d.)

BUILDING TYPE 2 - REAR ELEVATION | 1
Scale: 3/32" = 1'-0"

BUILDING TYPE 2 - RIGHT ELEVATION | 2
Scale: 3/32" = 1'-0"



INSIDE CORNER PARTIAL ELEV. | 3
Scale: 3/32" = 1'-0"

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PROJECT NO: 010819
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CHECKED BY:

SHEET TITLE:
Building Type 2
Exterior Elevations

SHEET NUMBER:
A1.26

ARCHITECTURAL PLANS
EXTERIOR MATERIALS

= STANDING SEAM METAL ROOF

= FIBER CEMENT LAP SIDING

= FIBER CEMENT BOARD & BATTEN
(w/ 2" BATTEN STRIPS SPACED PER ELEVATIONS)

= FIBER CEMENT PANEL BOARD

= STONE VENEER

= STONE ROWLOCK/SOLDIER
(DESIGN STANDARD 2 in. & 8 in.)

BUILDING TYPE 2 - COURTYARD ELEVATION
Scale: 3/32" = 1'-0"

2

BUILDING TYPE 2 - COURTYARD ELEVATION
Scale: 3/32" = 1'-0"

1

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PROJECT NO: 010819
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SHEET TITLE:
Building Type 2
Exterior Elevations

SHEET NUMBER:
A1.27

UNIT PLAN GENERAL NOTES

1) ALL EXTERIOR STUD WALLS ARE 5.5" THICK AND ALL INTERIOR WALLS ARE 3.5" THICK U.N.O. ANGLED WALLS ARE DRAWN @ 45 DEGREES U.N.O. ALL DIMENSIONS ARE TO ONE FACE OF STUD U.N.O.

SEE ELEVATIONS AND/OR BUILDING PLANS FOR EXTERIOR WALL FINISHES AND MATERIAL LOCATIONS.

2) ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW WHICH CONFORMS TO EGRESS REQUIREMENTS (5.7 SF NET CLEAR OPENING). IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EGRESS SIZING BASED ON CHOSEN MANUFACTURER, AS PRODUCT SIZES MAY VARY.

3) WALL AND CEILING HEIGHTS NOTES ARE BASED ON NOMINAL WALL SIZE (I.E. A 9'-1 1/2" ACTUAL WALL HEIGHT IS LABELED 9/O ON THE PLANS).

4) SEE DOOR/WINDOW SCHEDULE FOR MORE DETAILED INFORMATION

5) SEE "A0.20" SHEETS FOR U.L. DETAILS

6) PROVIDE TYPE X GWB BEHIND SHOWER/BATHTUB WHEN LOCATED ADJACENT TO RATED WALL ASSEMBLY.

7) UNIT IDENTIFICATION MOUNTED ON LATCH SIDE AND TO INCLUDE RAISED CHARACTERS & BRAILLE MOUNTED AT CONSISTENT HGT.

8) UNIT ORIENTATION SHOWN MAY NOT REFLECT ALL VARIATIONS IN THE BUILDING PLAN. CONTRACTOR IS RESPONSIBLE TO VERIFY ORIENTATION/MIRRORED IN THE BUILDING PLAN.

9) ALL UNITS TO HAVE REINFORCED WALLS FOR FUTURE INSTALLATION OF GRAB BARS AT WATER CLOSETS AND TUB/SHOWER. SEE A0.02 FOR FAIR HOUSING NOTES AND BLOCKING DIAGRAMS

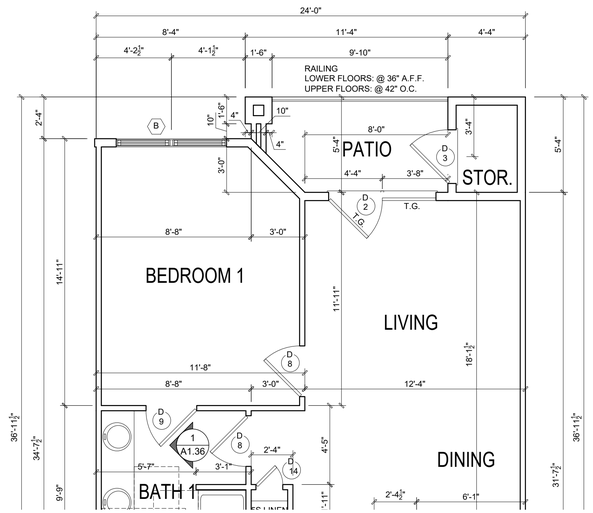
FLOOR CLEARANCE LEGEND

(NOT ALL MAY BE USED)

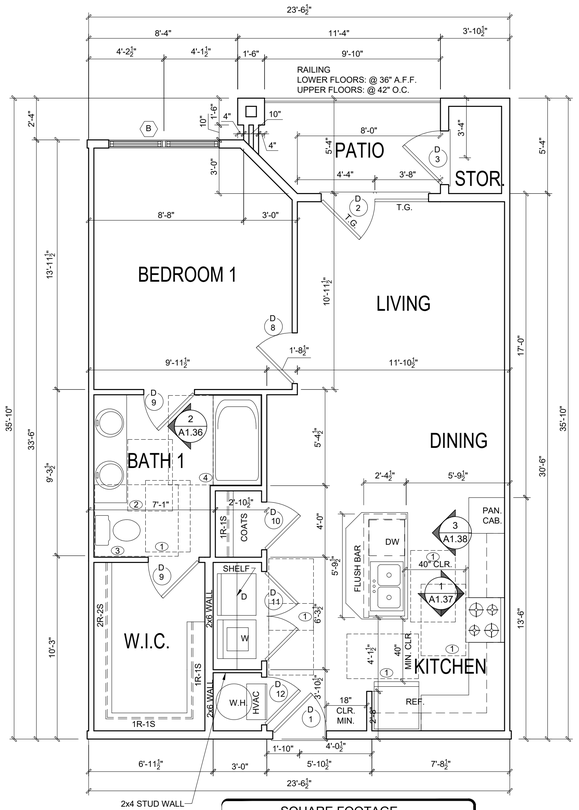
1. ROOM CLEAR FLOOR SPACE 30"X 48"
2. LAVATORY CLEAR FLOOR SPACE 30"X 48"
3. WATER CLOSET CLEAR FLOOR SPACE:
   MOBILITY UNIT = 60"X 56" (60"x66" WITH LAV OVERLAP)
   FAIR HOUSING UNIT = 48"X 56"
   FAIR HOUSING UNIT 48"X 66" (FORWARD APPROACH)
4. BATHTUB CLEAR FLOOR SPACE 30" X 60"
5. CIRCULAR TURNING SPACE 60" DIAMETER
6. T-SHAPED TURNING SPACE 60" X 36" X 36"

SQUARE FOOTAGE
UNIT TYPE 1.2

NET LEASABLE (PAINT TO PAINT) =	748
GROSS SQ. FOOTAGE (NET HTD.) =	790
PATIO/BALCONY =	55
EXT. STOR. =	26
TOTAL UNIT GROSS SF =	840



FAIR HOUSING UNIT TYPE 1.2 — Scale: 1/4" = 1'-0" — 4

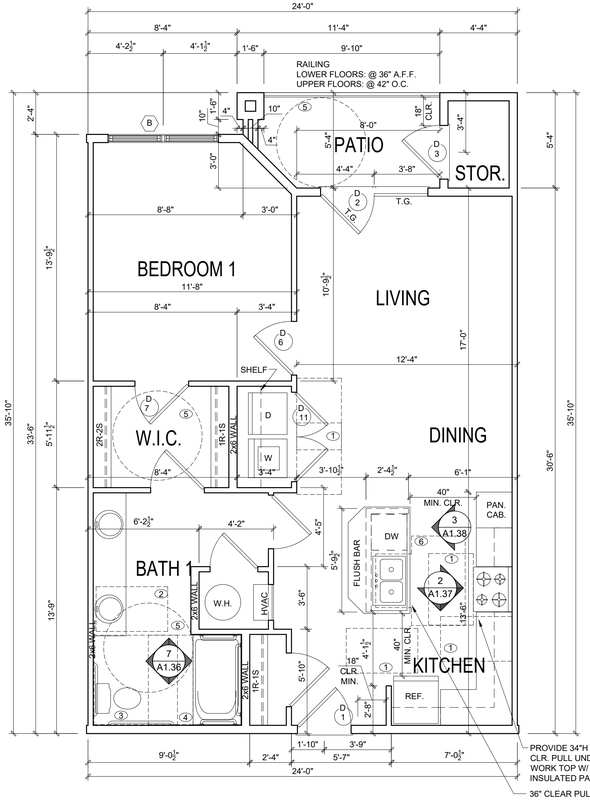


2x4 STUD WALL TURNED ON ITS SIDE W/ 5/8" GWB EACH SIDE

SQUARE FOOTAGE
UNIT TYPE 1.3

NET LEASABLE (PAINT TO PAINT) =	722
GROSS SQ. FOOTAGE (NET HTD.) =	763
PATIO/BALCONY =	55
EXT. STOR. =	26
TOTAL UNIT GROSS SF =	840

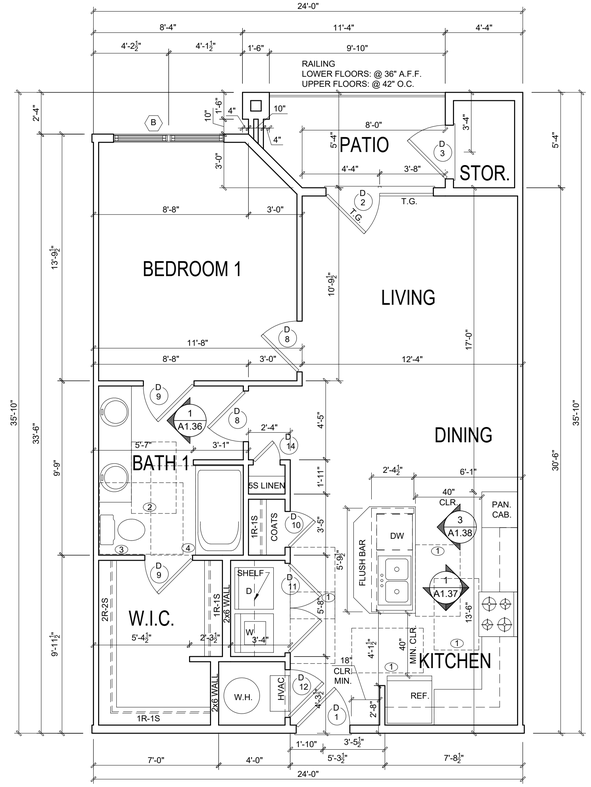
FAIR HOUSING UNIT TYPE 1.3 — Scale: 1/4" = 1'-0" — 3



PROVIDE 34"H X 30"W CLR. PULL UNDER WORK TOP W/ INSULATED PANELS

36" CLEAR PULL UNDER WIDTH AT MOBILITY UNITS ONLY. PROVIDE PROTECTIVE SLEEVE @ DRAIN.

MOBILITY UNIT TYPE 1.1 — Scale: 1/4" = 1'-0" — 2



SQUARE FOOTAGE
UNIT TYPE 1.1

NET LEASABLE (PAINT TO PAINT) =	722
GROSS SQ. FOOTAGE (NET HTD.) =	763
PATIO/BALCONY =	55
EXT. STOR. =	26
TOTAL UNIT GROSS SF =	840

FAIR HOUSING UNIT TYPE 1.1 — Scale: 1/4" = 1'-0" — 1

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PROGRESS DATE:	11-24-21 (99% Set)		
ISSUE DATE:	-		
REVISIONS:	NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Unit 1.0 Floor Plans

SHEET NUMBER:
A1.30

UNIT PLAN GENERAL NOTES

1) ALL EXTERIOR STUD WALLS ARE 5.5" THICK AND ALL INTERIOR WALLS ARE 3.5" THICK U.N.O. ANGLED WALLS ARE DRAWN @ 45 DEGREES U.N.O. ALL DIMENSIONS ARE TO ONE FACE OF STUD U.N.O.

SEE ELEVATIONS AND/OR BUILDING PLANS FOR EXTERIOR WALL FINISHES AND MATERIAL LOCATIONS.

2) ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW WHICH CONFORMS TO EGRESS REQUIREMENTS (5.7 SF NET CLEAR OPENING). IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EGRESS SIZING BASED ON CHOSEN MANUFACTURER, AS PRODUCT SIZES MAY VARY.

3) WALL AND CEILING HEIGHTS NOTES ARE BASED ON NOMINAL WALL SIZE (I.E. A 9'-1 1/2" ACTUAL WALL HEIGHT IS LABELED 9/O ON THE PLANS).

4) SEE DOOR/WINDOW SCHEDULE FOR MORE DETAILED INFORMATION

5) SEE "A0.20" SHEETS FOR U.L. DETAILS

6) PROVIDE TYPE X GWB BEHIND SHOWER/BATHTUB WHEN LOCATED ADJACENT TO RATED WALL ASSEMBLY.

7) UNIT IDENTIFICATION MOUNTED ON LATCH SIDE AND TO INCLUDE RAISED CHARACTERS & BRAILLE MOUNTED AT CONSISTENT HGT.

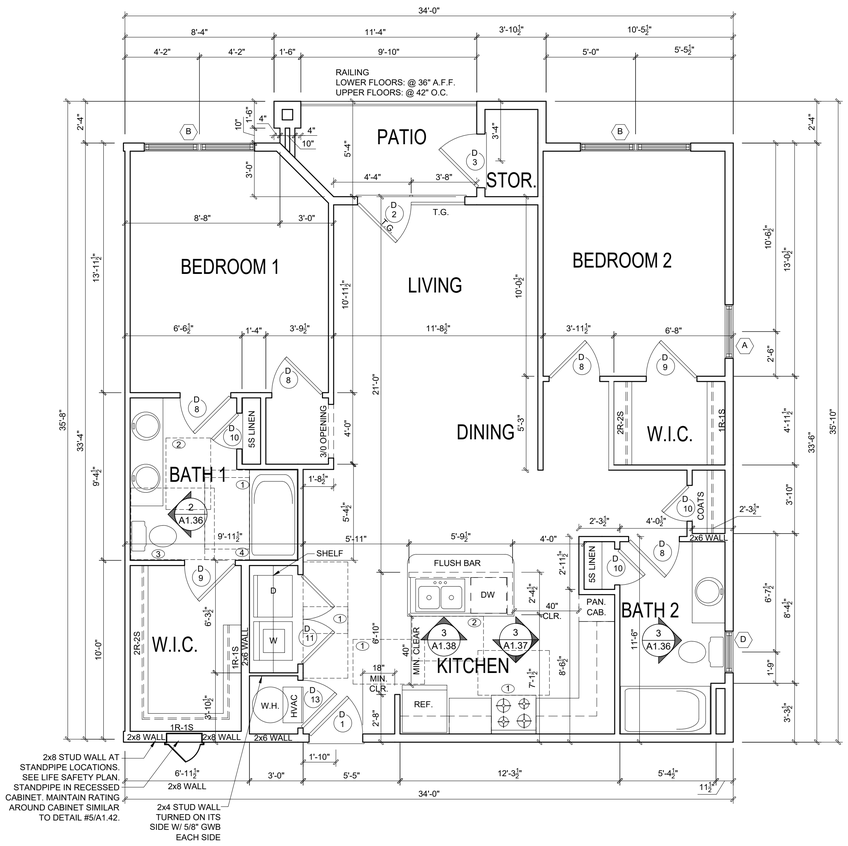
8) UNIT ORIENTATION SHOWN MAY NOT REFLECT ALL VARIATIONS IN THE BUILDING PLAN. CONTRACTOR IS RESPONSIBLE TO VERIFY ORIENTATION/MIRRORED IN THE BUILDING PLAN.

9) ALL UNITS TO HAVE REINFORCED WALLS FOR FUTURE INSTALLATION OF GRAB BARS AT WATER CLOSETS AND TUB/SHOWER. SEE A0.02 FOR FAIR HOUSING NOTES AND BLOCKING DIAGRAMS

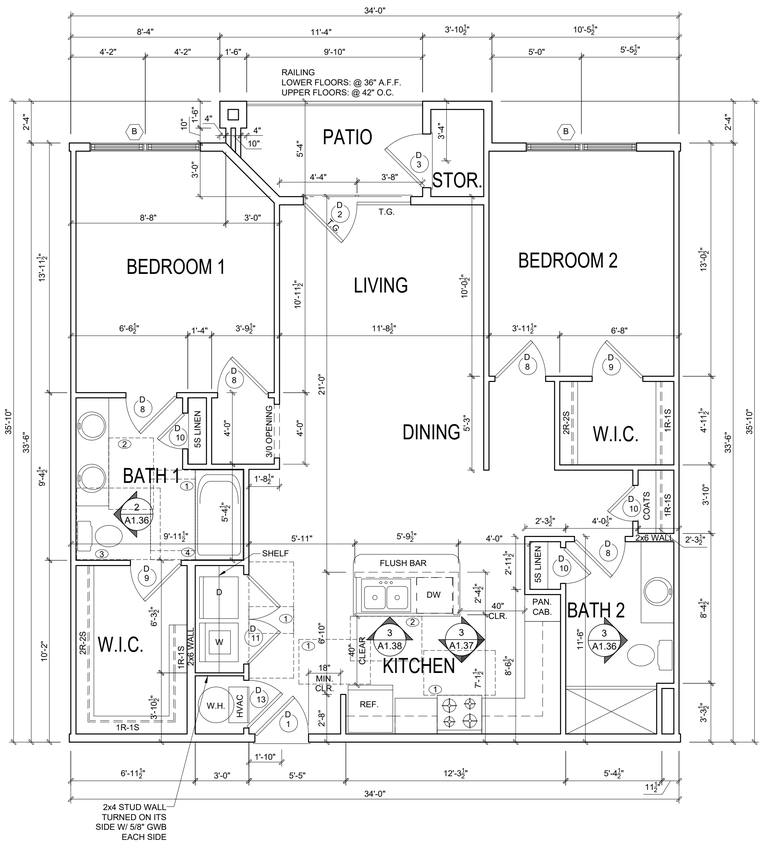
FLOOR CLEARANCE LEGEND

(NOT ALL MAY BE USED)

1. ROOM CLEAR FLOOR SPACE 30"X 48"
2. LAVATORY CLEAR FLOOR SPACE 30"X 48"
3. WATER CLOSET CLEAR FLOOR SPACE:
   MOBILITY UNIT = 60"X 56" (60"x66" WITH LAV OVERLAP)
   FAIR HOUSING UNIT = 48"X 56"
   FAIR HOUSING UNIT 48"X 66" (FORWARD APPROACH)
4. BATHTUB CLEAR FLOOR SPACE 30" X 60"
5. CIRCULAR TURNING SPACE 60" DIAMETER
6. T-SHAPED TURNING SPACE 60" X 36" X 36"



FAIR HOUSING UNIT TYPE 2.0 (EXTERIOR) — Scale: 1/4" = 1'-0" — 2



FAIR HOUSING UNIT TYPE 2.0 (INTERIOR) — Scale: 1/4" = 1'-0" — 1

SQUARE FOOTAGE
UNIT TYPE 2.0 - INTERIOR UNIT

NET LEASABLE (PAINT TO PAINT) =	1,050
GROSS SQ. FOOTAGE (NET HTD.) =	1,100
PATIO/BALCONY =	51
EXT. STOR. =	19
TOTAL UNIT GROSS SF =	1,165

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PLANNING SUBMISSION NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE:	11-24-21 (99% Set)		
ISSUE DATE:	-		
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Unit 2.0 Floor Plans
SHEET NUMBER: A1.31

UNIT PLAN GENERAL NOTES

1) ALL EXTERIOR STUD WALLS ARE 5.5" THICK AND ALL INTERIOR WALLS ARE 3.5" THICK U.N.O. ANGLED WALLS ARE DRAWN @ 45 DEGREES U.N.O. ALL DIMENSIONS ARE TO ONE FACE OF STUD U.N.O.

SEE ELEVATIONS AND/OR BUILDING PLANS FOR EXTERIOR WALL FINISHES AND MATERIAL LOCATIONS.

2) ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW WHICH CONFORMS TO EGRESS REQUIREMENTS (5.7 SF NET CLEAR OPENING). IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EGRESS SIZING BASED ON CHOSEN MANUFACTURER, AS PRODUCT SIZES MAY VARY.

3) WALL AND CEILING HEIGHTS NOTES ARE BASED ON NOMINAL WALL SIZE (I.E. A 9'-1 1/2" ACTUAL WALL HEIGHT IS LABELED 9/O ON THE PLANS).

4) SEE DOOR/WINDOW SCHEDULE FOR MORE DETAILED INFORMATION

5) SEE "A0.20" SHEETS FOR U.L. DETAILS

6) PROVIDE TYPE X GWB BEHIND SHOWER/BATHTUB WHEN LOCATED ADJACENT TO RATED WALL ASSEMBLY.

7) UNIT IDENTIFICATION MOUNTED ON LATCH SIDE AND TO INCLUDE RAISED CHARACTERS & BRAILLE MOUNTED AT CONSISTENT HGT.

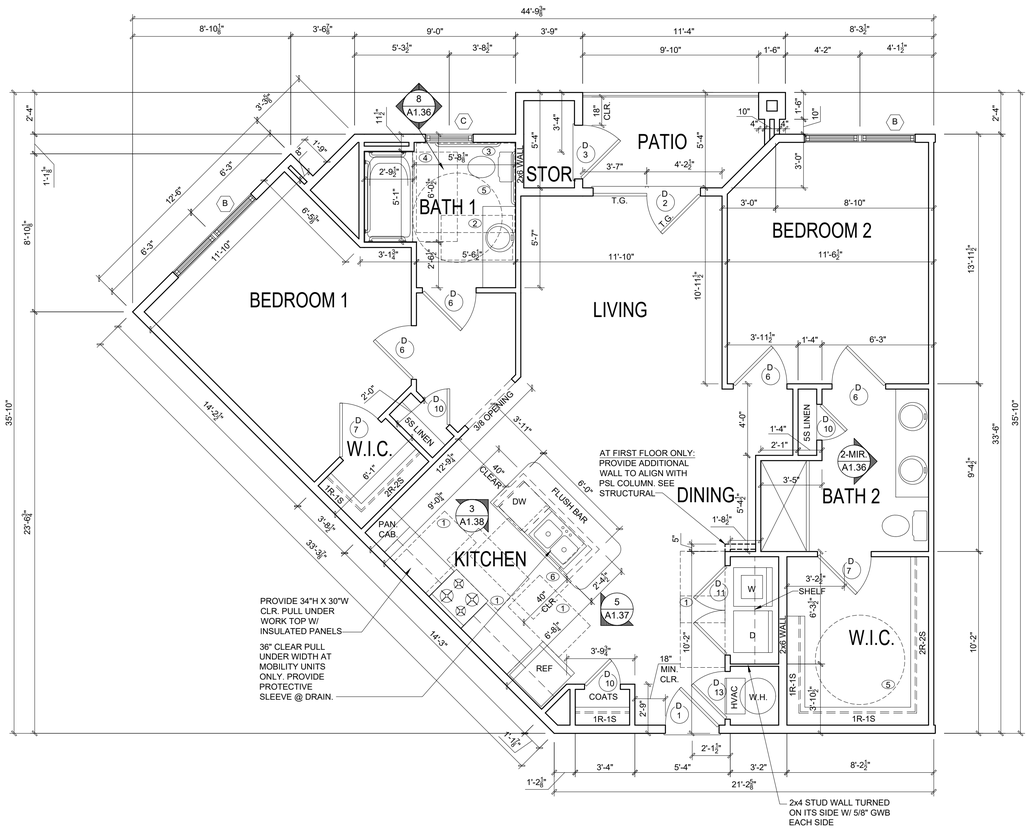
8) UNIT ORIENTATION SHOWN MAY NOT REFLECT ALL VARIATIONS IN THE BUILDING PLAN. CONTRACTOR IS RESPONSIBLE TO VERIFY ORIENTATION/MIRRORED IN THE BUILDING PLAN.

9) ALL UNITS TO HAVE REINFORCED WALLS FOR FUTURE INSTALLATION OF GRAB BARS AT WATER CLOSETS AND TUB/SHOWER. SEE A0.02 FOR FAIR HOUSING NOTES AND BLOCKING DIAGRAMS

FLOOR CLEARANCE LEGEND

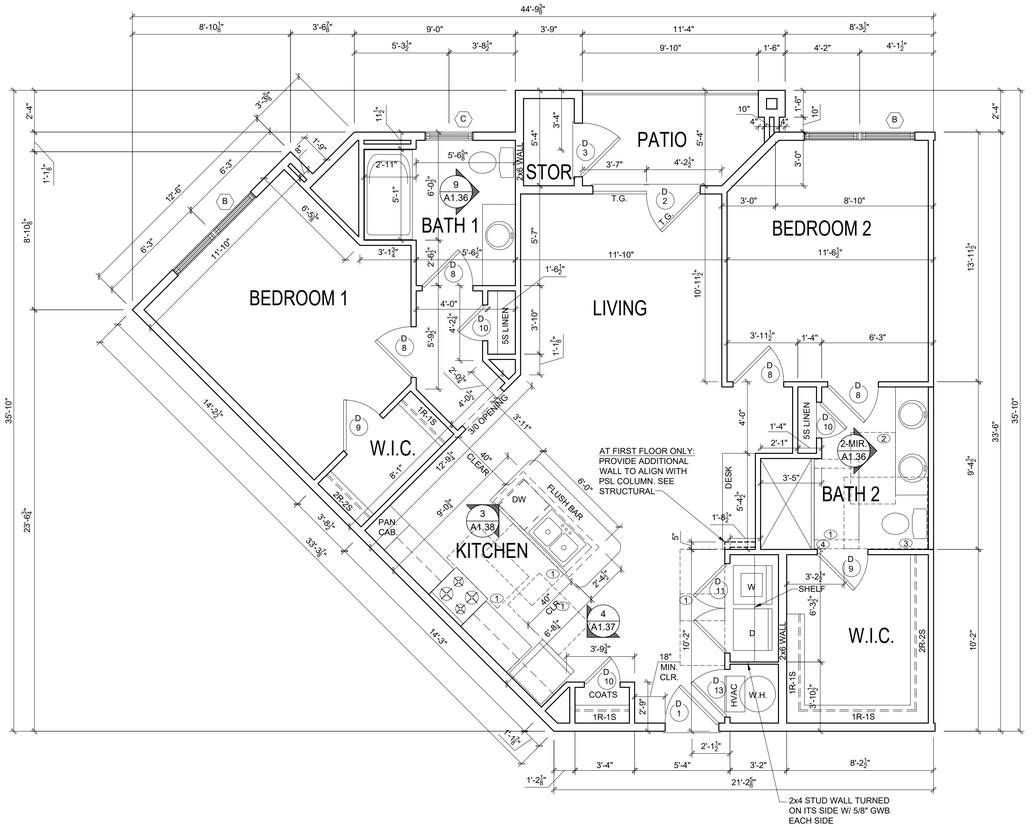
(NOT ALL MAY BE USED)

1. ROOM CLEAR FLOOR SPACE 30"X 48"
2. LAVATORY CLEAR FLOOR SPACE 30"X 48"
3. WATER CLOSET CLEAR FLOOR SPACE:
   MOBILITY UNIT = 60"X 56" (60"x66" WITH LAV OVERLAP)
   FAIR HOUSING UNIT = 48"X 56"
   FAIR HOUSING UNIT 48"X 66" (FORWARD APPROACH)
4. BATHTUB CLEAR FLOOR SPACE 30" X 60"
5. CIRCULAR TURNING SPACE 60" DIAMETER
6. T-SHAPED TURNING SPACE 60" X 36" X 36"



MOBILITY UNIT TYPE 2.1 — 2

Scale: 1/4" = 1'-0"



FAIR HOUSING UNIT TYPE 2.1 — 1

Scale: 1/4" = 1'-0"

SQUARE FOOTAGE
UNIT TYPE 2.1

NET LEASABLE (PAINT TO PAINT) =	1,072
GROSS SQ. FOOTAGE (NET HTD.) =	1,131
PATIO/BALCONY =	51
EXT. STOR. =	19
TOTAL UNIT GROSS SF =	1,192

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PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE:	11-24-21 (99% Set)		
ISSUE DATE:	-		
REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Unit 2.1 Floor Plans

SHEET NUMBER:
A1.32

UNIT PLAN GENERAL NOTES

1) ALL EXTERIOR STUD WALLS ARE 5.5" THICK AND ALL INTERIOR WALLS ARE 3.5" THICK U.N.O. ANGLED WALLS ARE DRAWN @ 45 DEGREES U.N.O. ALL DIMENSIONS ARE TO ONE FACE OF STUD U.N.O.

SEE ELEVATIONS AND/OR BUILDING PLANS FOR EXTERIOR WALL FINISHES AND MATERIAL LOCATIONS.

2) ALL BEDROOMS MUST HAVE AT LEAST ONE WINDOW WHICH CONFORMS TO EGRESS REQUIREMENTS (5.7 SF NET CLEAR OPENING). IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EGRESS SIZING BASED ON CHOSEN MANUFACTURER, AS PRODUCT SIZES MAY VARY.

3) WALL AND CEILING HEIGHTS NOTES ARE BASED ON NOMINAL WALL SIZE (I.E. A 9'-1 1/2" ACTUAL WALL HEIGHT IS LABELED 9/O ON THE PLANS).

4) SEE DOOR/WINDOW SCHEDULE FOR MORE DETAILED INFORMATION

5) SEE "A0.20" SHEETS FOR U.L. DETAILS

6) PROVIDE TYPE X GWB BEHIND SHOWER/BATHTUB WHEN LOCATED ADJACENT TO RATED WALL ASSEMBLY.

7) UNIT IDENTIFICATION MOUNTED ON LATCH SIDE AND TO INCLUDE RAISED CHARACTERS & BRAILLE MOUNTED AT CONSISTENT HGT.

8) UNIT ORIENTATION SHOWN MAY NOT REFLECT ALL VARIATIONS IN THE BUILDING PLAN. CONTRACTOR IS RESPONSIBLE TO VERIFY ORIENTATION/MIRRORED IN THE BUILDING PLAN.

9) ALL UNITS TO HAVE REINFORCED WALLS FOR FUTURE INSTALLATION OF GRAB BARS AT WATER CLOSETS AND TUB/SHOWER. SEE A0.02 FOR FAIR HOUSING NOTES AND BLOCKING DIAGRAMS

FLOOR CLEARANCE LEGEND

(NOT ALL MAY BE USED)

1. ROOM CLEAR FLOOR SPACE 30"X 48"
2. LAVATORY CLEAR FLOOR SPACE 30"X 48"
3. WATER CLOSET CLEAR FLOOR SPACE:
   MOBILITY UNIT = 60"X 56" (60"x66" WITH LAV OVERLAP)
   FAIR HOUSING UNIT = 48"X 56"
   FAIR HOUSING UNIT 48"X 66" (FORWARD APPROACH)
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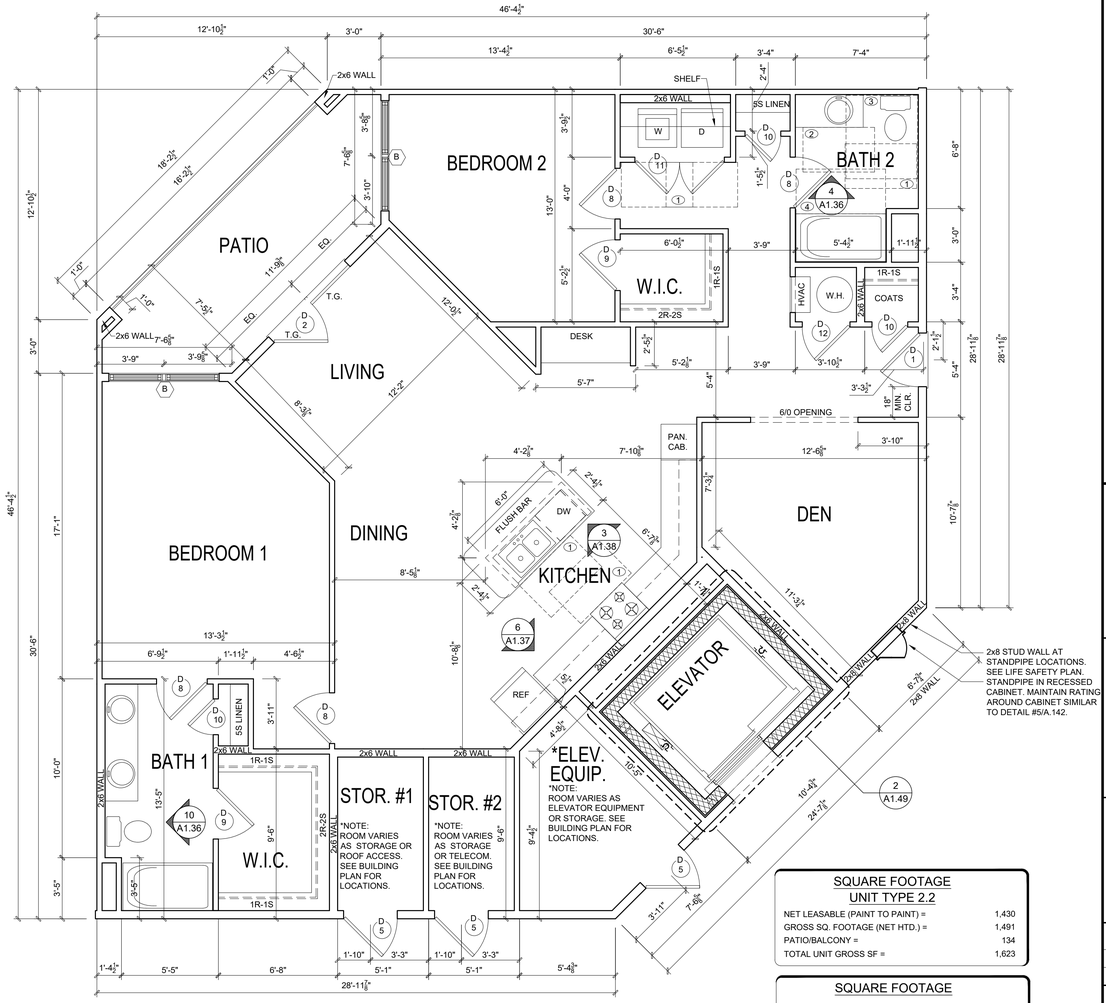
5. CIRCULAR TURNING SPACE 60" DIAMETER
6. T-SHAPED TURNING SPACE 60" X 36" X 36"



SQUARE FOOTAGE
UNIT TYPE 2.2

NET LEASABLE (PAINT TO PAINT) =	1,430
GROSS SQ. FOOTAGE (NET HTD.) =	1,491
PATIO/BALCONY =	134
TOTAL UNIT GROSS SF =	1,623

SQUARE FOOTAGE

STORAGE #1 =	45
STORAGE #2 =	50
ELEVATOR EQUIPMENT =	90

FAIR HOUSING UNIT TYPE 2.2

Scale: 1/4" = 1'-0"

1

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PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
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PROGRESS DATE:	11-24-21 (99% Set)		
ISSUE DATE:			
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Unit 2.2 & 2.3 Floor Plans

SHEET NUMBER:
A1.33

UNIT PLAN GENERAL NOTES

1) ALL EXTERIOR STUD WALLS ARE 5.5" THICK AND ALL INTERIOR WALLS ARE 3.5" THICK U.N.O. ANGLED WALLS ARE DRAWN @ 45 DEGREES U.N.O. ALL DIMENSIONS ARE TO ONE FACE OF STUD U.N.O.

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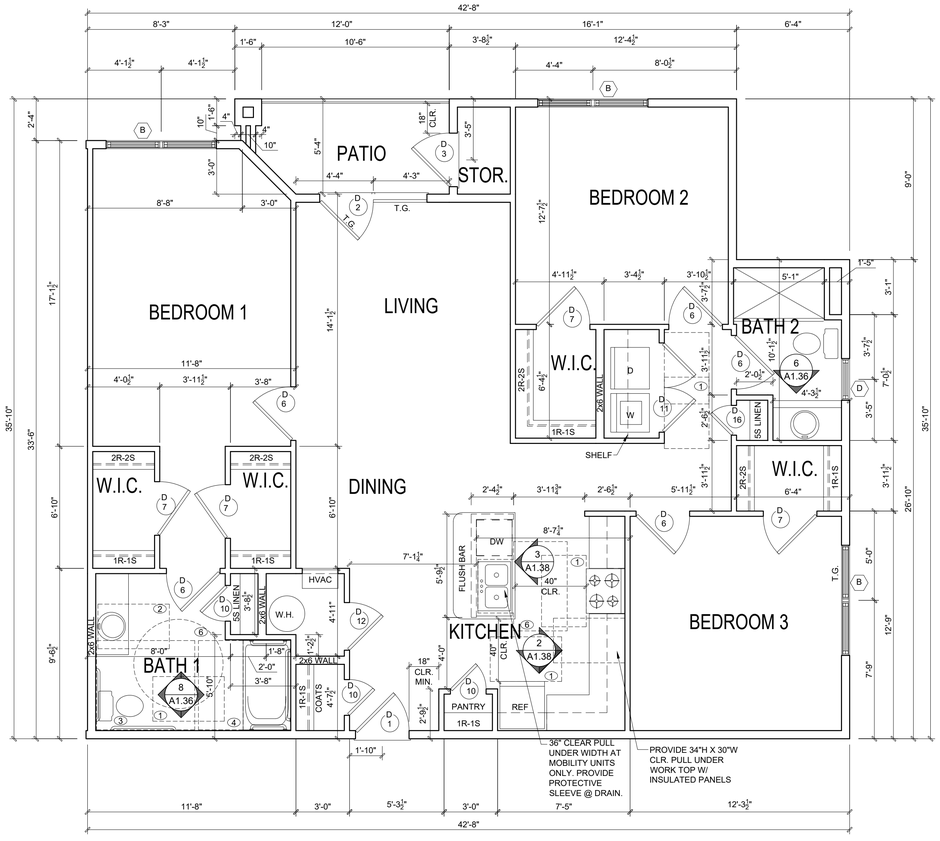
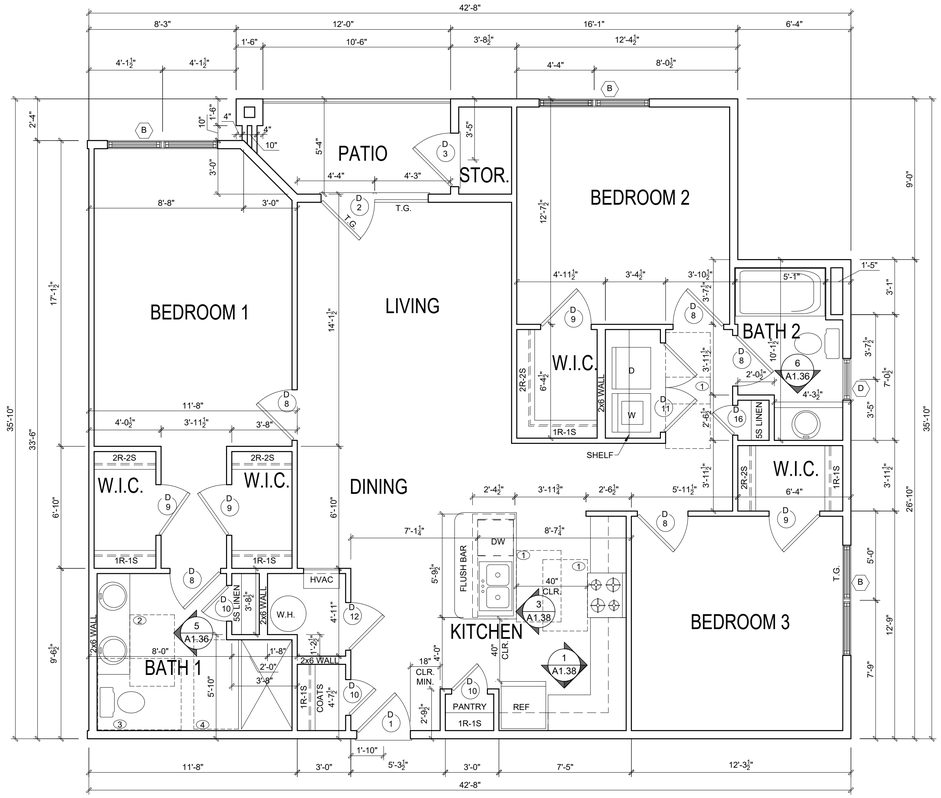


MOBILITY UNIT TYPE 3.0

Scale: 1/4" = 1'-0"

2



FAIR HOUSING UNIT TYPE 3.0

Scale: 1/4" = 1'-0"

1

SQUARE FOOTAGE
UNIT TYPE 3.0

NET LEASABLE (PAINT TO PAINT) =	1,310
GROSS SQ. FOOTAGE (NET HTD.) =	1,376
PATIO/BALCONY =	54
EXT. STOR. =	19
TOTAL UNIT GROSS SF =	1,494

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PRELIMINARY NOT FOR CONSTRUCTION

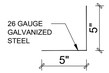
Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida

PROGRESS DATE:	-			
ISSUE DATE:	11-24-21 (99% Set)			
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION	

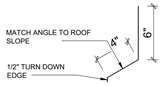
PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Unit 3.0 Floor Plans

SHEET NUMBER:
A1.34

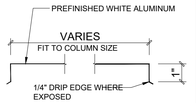


"A" - STEP FLASHING

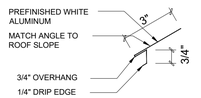


"B" - WALL TO ROOF FLASHING

NOT USED WHERE VENTILATING WALL TO ROOF FLASHING IS SHOWN.

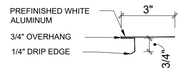


"C" - COLUMN CAP FLASHING

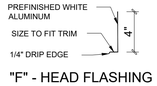


"D" - EAVE FLASHING

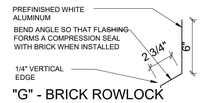
NOTE: FLASHING D & E TO BE STANDARD PREFABRICATED FLASHING PRODUCT, NOT CUSTOM



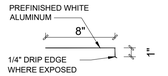
"E" - RAKE FLASHING



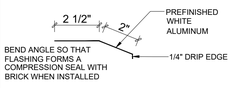
"F" - HEAD FLASHING



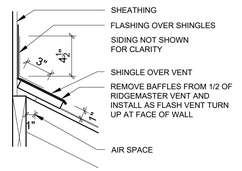
"G" - BRICK ROWLOCK



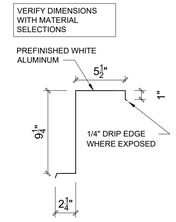
"H" - DECK EDGE



"J" - SILL TO ROWLOCK



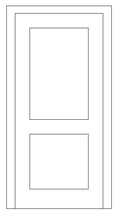
ROOF TO WALL
"K" - SHINGLE CONDITION



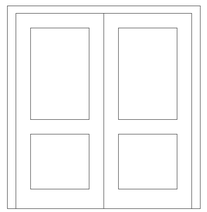
DECK EDGE W/
"L" - WALL BELOW

- FLASHING DETAIL

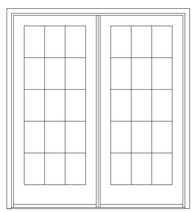
NO SCALE



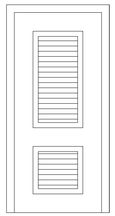
D1



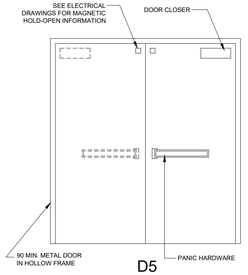
D2



D3



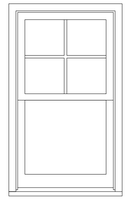
D4



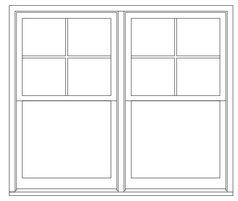
D5

DOOR ELEVATIONS

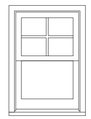
NOT TO SCALE



W1



W2



W3

WINDOW ELEVATIONS

NOT TO SCALE

DOOR SCHEDULE

DOOR NUMBER	SIZE: WIDTH	SIZE: HEIGHT	CONSTRUCTION & REMARKS: INSULATED FIBERGLASS RATED-20 MINUTE DR.	NON-INSULATED FIBERGLASS RATED-45 MINUTE DR.	INSULATED FIBERGLASS RATED-90 MINUTE DR.	INSULATED FIBERGLASS NON-RATED	PANELED DOOR	METAL NON-INSULATED LOUVERED DOOR	ACCESSIBLE METAL THRESHOLD	W/ SPRING LOADED HINGES	MAGNETIC CATCH	PRIVACY LOCKSET	KEYED LOCKSET	PASSAGE LATCHSET	CLOSER	PANIC HARDWARE	DESCRIPTIONS: DOOR ELEVATION TYPES	DESCRIPTIONS
1	3'-0"	6'-8"	●				●		●	●			●				D1	EXTERIOR UNIT ENTRY w/ INT. THUMBTURN DEADBOLT
2	(2) 3'-0"	6'-8"				●			●				●				D3	EXTERIOR BALCONY DOOR (DEADBOLT AT GROUND UNITS)
3	3'-0"	6'-8"				●	●			●			●				D1	EXTERIOR UNIT STORAGE AND RISER ROOM
4	NOT USED																	
5	3'-0"	6'-8"		●			●			●			●				D1	EXTERIOR BREEZEWAY UTILITY CLOSET
6	3'-0"	6'-8"					●					●					D1	INTERIOR BEDROOM/BATHROOM DOOR (MOBILITY UNIT)
7	3'-0"	6'-8"					●							●			D1	INTERIOR CLOSET/LAUNDRY DOOR (MOBILITY UNIT)
8	2'-10"	6'-8"					●					●					D1	INTERIOR BEDROOM/BATHROOM DOOR (FAIR HOUSING UNIT)
9	2'-10"	6'-8"					●							●			D1	INTERIOR CLOSET/LAUNDRY DOOR (FAIR HOUSING UNIT)
10	2'-0"	6'-8"					●							●			D1	INTERIOR UNIT DOOR (PANTRY/CLOSET/LINEN)
11	(2) 2'-6"	6'-8"					●				●						D2	INTERIOR UNIT DOOR (LAUNDRY), PROVIDE DUMMY TRIM
12	2'-8"	6'-8"					●						●				D1	INTERIOR UNIT DOOR (MECHANICAL)
13	2'-8"	6'-8"						●					●				D4	INTERIOR UNIT DOOR (MECHANICAL)
14	1'-6"	6'-8"					●							●			D1	INTERIOR UNIT DOOR (LINEN)
15	2'-8"	6'-8"					●							●			D1	INTERIOR UNIT DOOR (STORAGE)
16	1'-8"	6'-8"					●							●			D1	INTERIOR UNIT DOOR (LINEN)
17	(2) 3'-0"	6'-8"			●		●		●						●	●	D5	DOUBLE ACTING FIRE/EGRESS DOOR
18	(2) 2'-8"	6'-8"		●			●			●			●				D2	EXTERIOR BREEZEWAY UTILITY CLOSET

1- PROVIDE LEVER-TYPE DOOR HARDWARE AT ALL TYPE "A" AND "B" UNITS.

2-UNIT ENTRY DOOR PEEP HOLES @ 43-51" A.F.F. FOR ALL GROUND FLOOR UNITS.

3- UNIT IDENTIFICATION TO INCLUDE RAISED CHARACTERS & BRAILLE MOUNTED AT CONSISTENT HGT. PER ANSI HEIGHT REQUIREMENTS.

4- PROVIDE WEATHERSTRIPPING AT ALL EXTERIOR DOORS.

5- HARDWARE (SEE LEGEND FOR DESCRIPTION):
-BEDROOMS & BATHROOMS = PL, DS, LH
-UNIT ENTRY = AN, DB, DS, KP, PH, WS, SC, T, LH
-BEDROOM CLOSETS = PS, DS, LH
-PATIO/BALCONY = DB, SC, T, WS
-WATER HEATER/HVAC = LS, DS, LH
-COATS/PANTRY = PS, DS, LH
-EXTERIOR STORAGE/RISER = WS, SC, T, LS, S, LH

6- UNDERCUT BEDROOMS DOORS 3/4" MIN. ABOVE CARPET

WINDOW SCHEDULE

MARK	SIZE	GLASS THICKNESS	FRAME THICKNESS	TYPE	MATERIAL	WINDOW ELEVATION	REMARKS & INTRUCTIONS
A	3/0x5/2	3/4"	2 1/4"	S.H.	VINYL	W1	
B	(2) 3/0x5/2	3/4"	2 1/4"	S.H.	VINYL	W2	
C	2/8x3/10	3/4"	2 1/4"	S.H.	VINYL	W3	T.G. BOTTOM SASH
D	2/4x3/10	3/4"	2 1/4"	S.H.	VINYL	W3	T.G. BOTTOM SASH

NOTE:
INSTALL WINDOW CONTROL DEVICES AT ALL OPERABLE WINDOWS 72" OR MORE ABOVE FINISHED GRADE, WHERE DIMENSION FROM FINISHED FLOOR TO THE CLEAR OPENING OF THE WINDOW IS LESS THAN 36". LIMIT OPENINGS TO A MAXIMUM 4" DIAMETER SPHERE.

DOOR HARDWARE LEGEND

AN	APARTMENT NO.
CL	CLOSER
CS	CHAIN STOP
DB	DEAD BOLT
DC	DOOR COORDINATOR
DK	DUMMY KNOBS
DS	DOOR STOP
FB	FLUSH BOLTS
H	1-1/2 PAIR HINGES
HO	ELECTROMAGNETIC HOLD OPEN DEVICE RELEASED BY FIRE/SMOKE ALARM SYSTEM
KP	KICK PLATE
LB	LATCH BOLTS
LH	LEVER HARDWARE
LS	LOCK SET
ML	MAGNETIC/ELECTRIC LATCHES
PD	PANIC DEVICE
PH	PEEP HOLE
PL	PRIVACY LOCK
PP	PUSH/PULL HARDWARE
PS	PASSAGE SET
S	SILENCER
SC	SELF-CLOSING HINGES
T	THRESHOLD
TL	THUMB LATCH
WS	WEATHER STRIPPING

NOTE:
1. HC = HOLLOW CORE, PRIMED, PRE HUNG DOOR
2. FIRE RATING ON ALL DOOR HARDWARE SHALL MATCH DOOR RATINGS.
3. ALL GLAZING IN EXTERIOR DOORS AND SIDELIGHTS SHALL BE INSULATING SAFETY GLASS. ALL GLAZING IN EXTERIOR DOOR TRANSOMS SHALL BE INSULATING GLASS. ALL GLAZING IN INTERIOR DOORS & SIDELIGHTS SHALL BE SAFETY GLASS.
4. COORDINATE HARDWARE WITH ACCESS CONTROL VENDOR TO ENSURE PROPER FUNCTION
5. PROVIDE LEVER-TYPE DOOR HARDWARE AS NOTED ON FAIR-HOUSING NOTES AND DOOR SCHEDULE.
6. PROVIDE FIRE GASKETING & SMOKE ASTRAGAL TO MAINTAIN SMOKE AND FIRE RATING.
7. ALL THRESHOLDS TO BE HANDICAP RATED.
8. HARDWARE SCHEDULE TO BE COMPILED BY SELECTED HARDWARE SUPPLIER.

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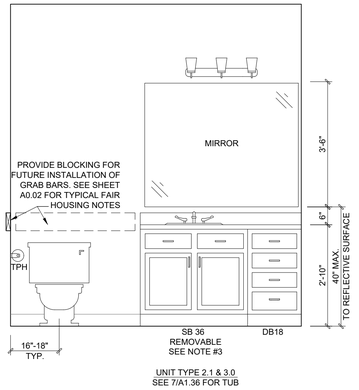
Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE:			
ISSUE DATE:			
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
-			11-24-21 (99% Set)

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Door & Window Schedules

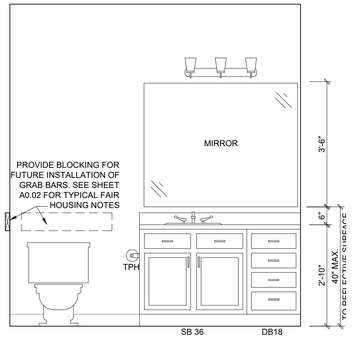
SHEET NUMBER:
A1.35



UNIT TYPE 2.1 & 3.0
SEE 7/A1.36 FOR TUB

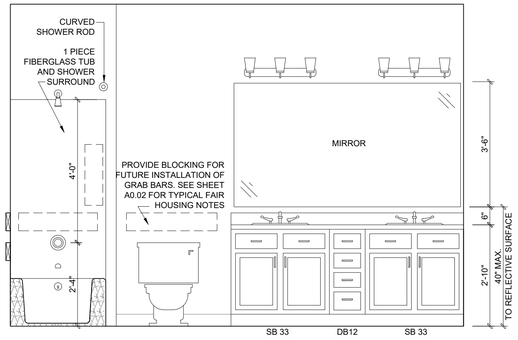
8 UNIT TYPE 2.1, 3.0 MOBILITY HALL BATH ELEVATION

Scale: 1/2" = 1'-0" FAIR HOUSING



9 UNIT TYPE 2.1 HALL BATH ELEVATION

Scale: 1/2" = 1'-0" FAIR HOUSING



10 UNIT TYPE 2.2 MASTER BATH ELEVATION

Scale: 1/2" = 1'-0" FAIR HOUSING

NOTES:
1. CABINET ELEVATIONS ARE FOR SCHEMATIC PURPOSES ONLY. SEE CABINET MANUFACTURER'S SHOP DRAWINGS FOR FINAL ELEVATION APPROVAL.

2. SEE 2/A0.02 FOR ALL ACCESSIBILITY NOTES & BLOCKING DIMENSIONS

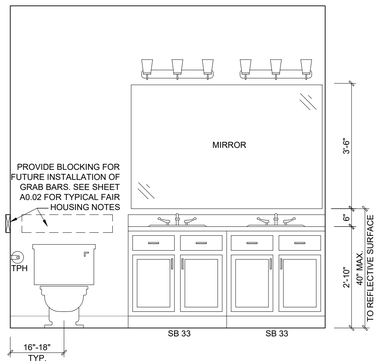
3. CABINETRY SHALL BE PERMITTED UNDER THE SINKS AND WORK SURFACES, PROVIDED:

(A) THE CABINETRY CAN BE REMOVED WITHOUT REMOVAL OR REPLACEMENT OF THE LAVATORY

(B) THE FLOOR FINISH EXTENDS UNDER SUCH CABINETRY, AND

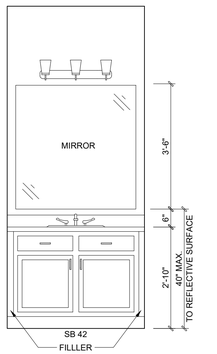
(C) THE WALLS BEHIND AND SURROUNDING CABINETRY ARE FINISHED

4. ELEVATIONS DO NOT REFLECT ALL POSSIBLE UNIT ORIENTATIONS. COORDINATE WITH BUILDING PLANS.



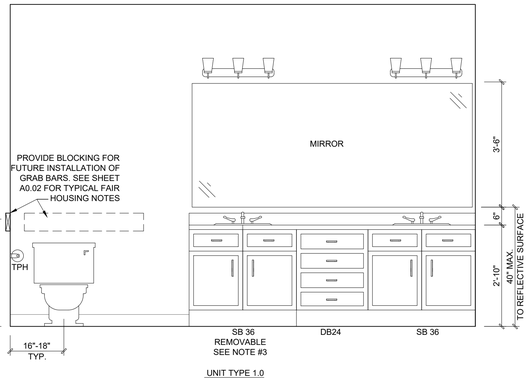
5 UNIT TYPE 3.0 - MASTER BATH ELEVATION

Scale: 1/2" = 1'-0" FAIR HOUSING

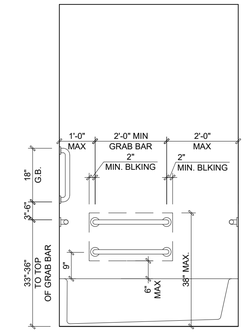


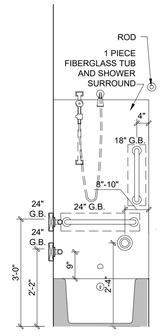
6 UNIT TYPE 3.0 - HALL BATH ELEVATION

Scale: 1/2" = 1'-0" FAIR HOUSING



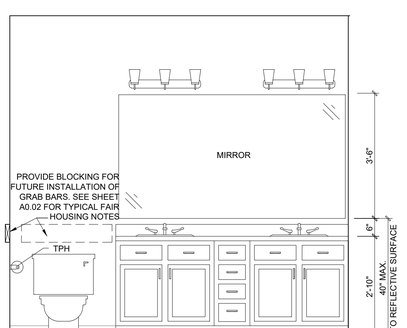
UNIT TYPE 1.0





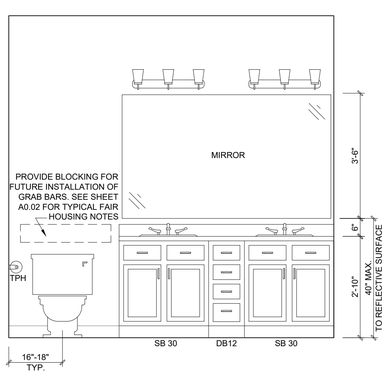
7 TYPICAL BATH ELEVATIONS @ MOBILITY UNITS

Scale: 1/2" = 1'-0"



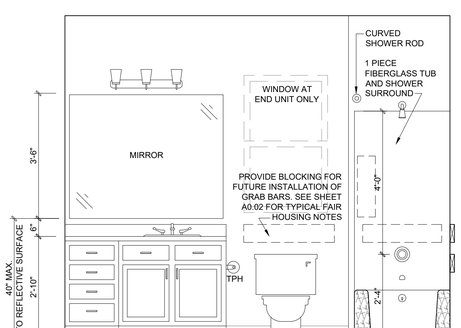
1 UNIT TYPE 1.1 & 1.2 BATH ELEVATION

Scale: 1/2" = 1'-0" FAIR HOUSING



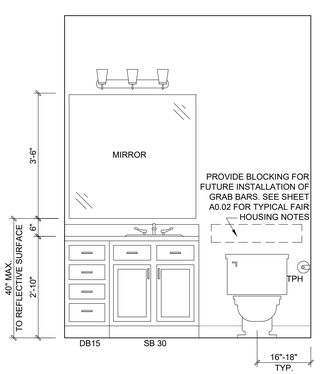
2 UNIT TYPE 1.3, 2.0, 2.1 - MASTER BATH ELEVATION

Scale: 1/2" = 1'-0" FAIR HOUSING



3 UNIT TYPE 2.0 - HALL BATH ELEVATION

Scale: 1/2" = 1'-0" FAIR HOUSING



4 UNIT TYPE 2.2 - HALL BATH ELEVATION

Scale: 1/2" = 1'-0" FAIR HOUSING

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Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

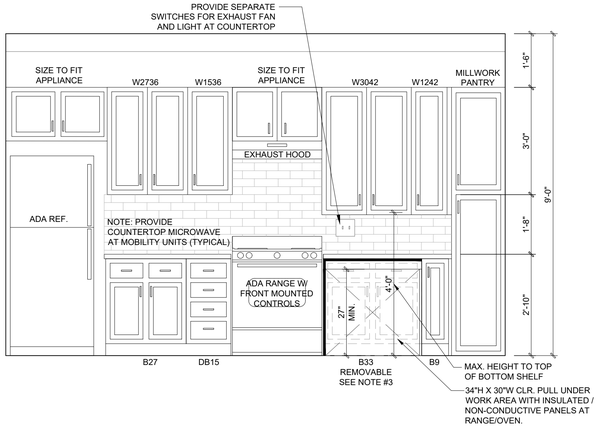
PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

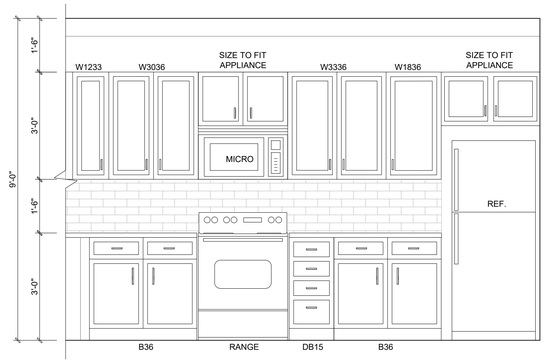
SHEET TITLE:
Interior Bath Elevations

SHEET NUMBER:
A1.36



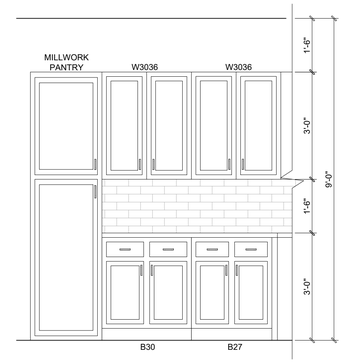
5 UNIT TYPE 2.1 KITCHEN ELEVATIONS - MOBILITY

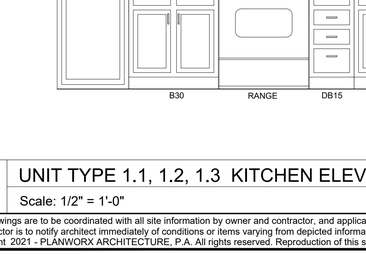
Scale: 1/2" = 1'-0"



6 UNIT TYPE 2.2 KITCHEN ELEVATIONS - FAIR HOUSING

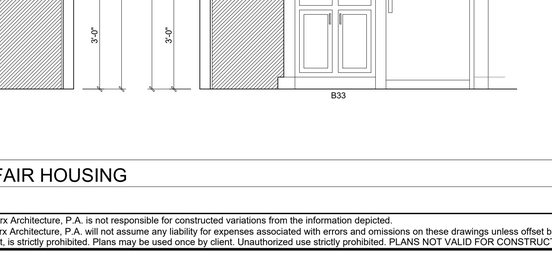
Scale: 1/2" = 1'-0"





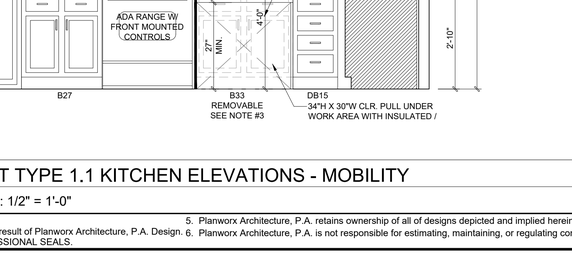
3 UNIT TYPE 2.0 KITCHEN ELEVATIONS - FAIR HOUSING

Scale: 1/2" = 1'-0"



4 UNIT TYPE 2.1 KITCHEN ELEVATIONS - FAIR HOUSING

Scale: 1/2" = 1'-0"



NOTES:
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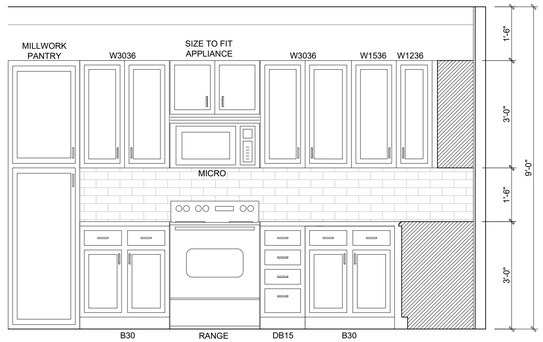
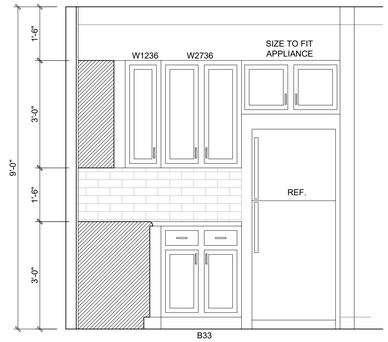
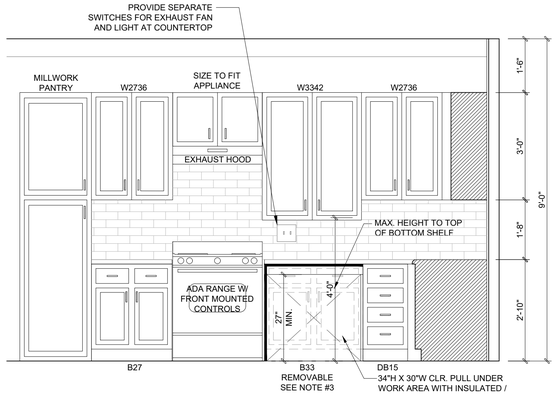
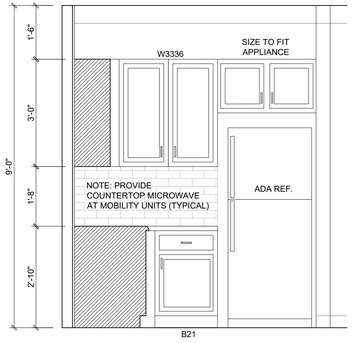




1 UNIT TYPE 1.1, 1.2, 1.3 KITCHEN ELEVATIONS - FAIR HOUSING

Scale: 1/2" = 1'-0"





2 UNIT TYPE 1.1 KITCHEN ELEVATIONS - MOBILITY

Scale: 1/2" = 1'-0"

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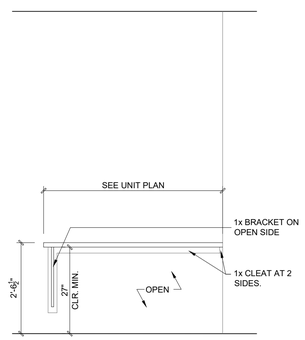
			DATE
			REVISIONS NUMBER

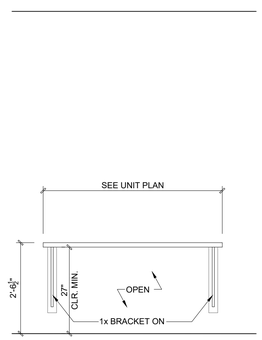
PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Interior Kitchen Elevations

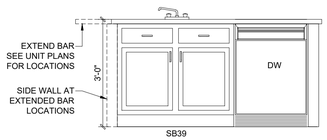
SHEET NUMBER:
A1.37



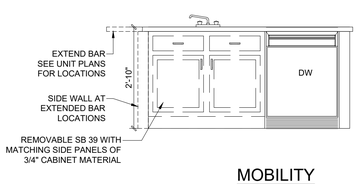
5 DESK ELEVATION
Scale: 1/2" = 1'-0"



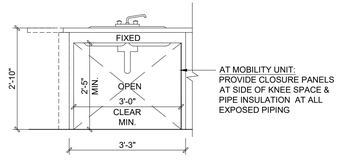
6 DESK ELEVATION
Scale: 1/2" = 1'-0"



FAIR HOUSING

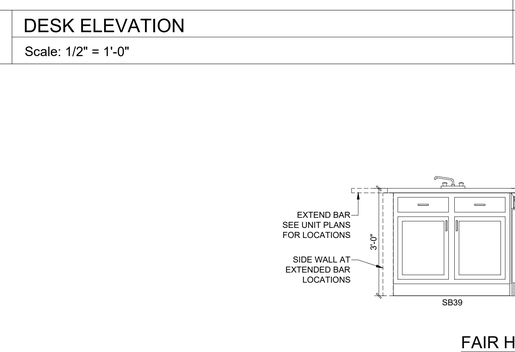


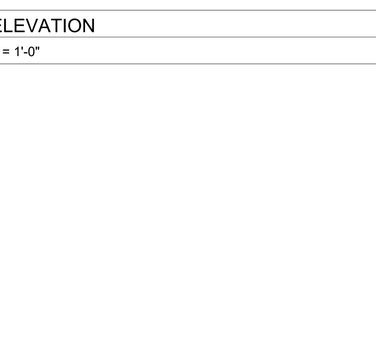
MOBILITY



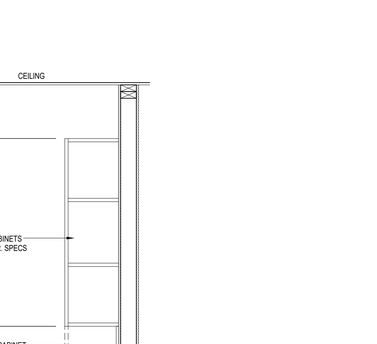
MOBILITY
AFTER RETROFIT

3 TYPICAL KITCHEN ISLAND ELEVATIONS (MIRRORED AT UNIT 2.1)
Scale: 1/2" = 1'-0"

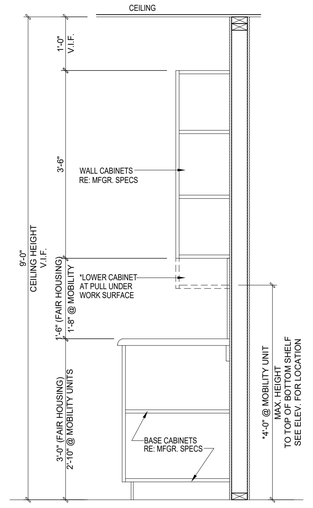




1 UNIT TYPE 3.0 KITCHEN ELEVATIONS - FAIR HOUSING
Scale: 1/2" = 1'-0"



2 UNIT TYPE 3.0 KITCHEN ELEVATIONS - MOBILITY
Scale: 1/2" = 1'-0"



4 TYPICAL KITCHEN CABINET SECTIONS
Scale: 3/4" = 1'-0"

NOTES:
1. CABINET ELEVATIONS ARE FOR SCHEMATIC PURPOSES ONLY. SEE CABINET MANUFACTURER'S SHOP DRAWINGS FOR FINAL ELEVATION APPROVAL.

2. SEE 2/A0.02 FOR ALL ACCESSIBILITY NOTES & BLOCKING DIMENSIONS

3. CABINETRY SHALL BE PERMITTED UNDER THE SINKS AND WORK SURFACES, PROVIDED:

(A) THE CABINETRY CAN BE REMOVED WITHOUT REMOVAL OR REPLACEMENT OF THE LAVATORY

(B) THE FLOOR FINISH EXTENDS UNDER SUCH CABINETRY, AND

(C) THE WALLS BEHIND AND SURROUNDING CABINETRY ARE FINISHED

4. ELEVATIONS DO NOT REFLECT ALL POSSIBLE UNIT ORIENTATIONS. COORDINATE WITH BUILDING PLANS.

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Fort Meyers, Florida
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PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -
REVISIONS NUMBER | INITIALS | DATE | DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Interior Kitchen Elevations
SHEET NUMBER: A1.38

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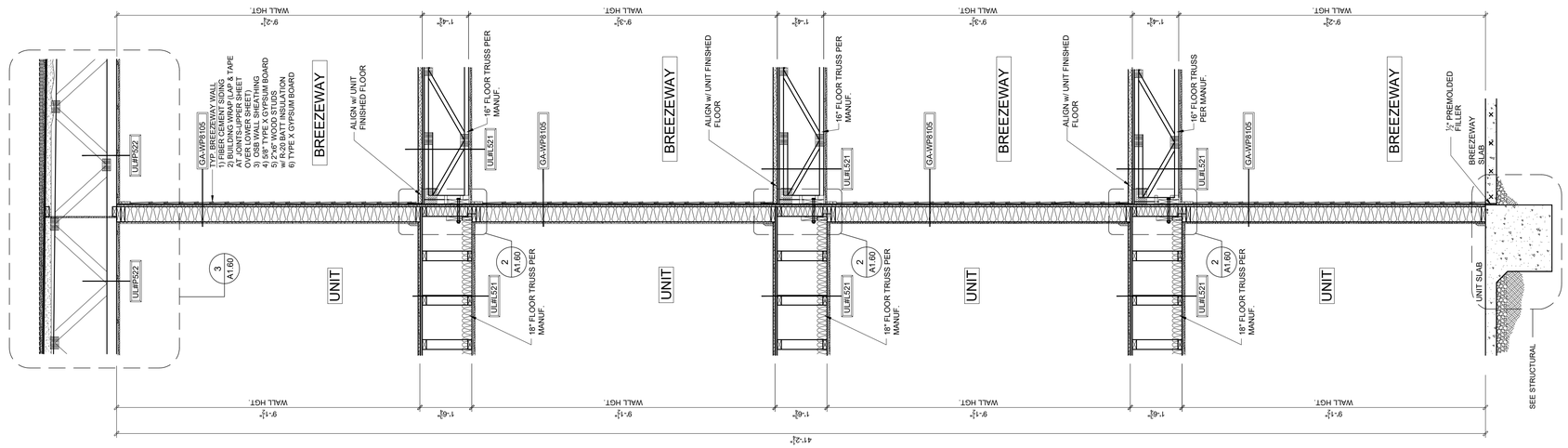

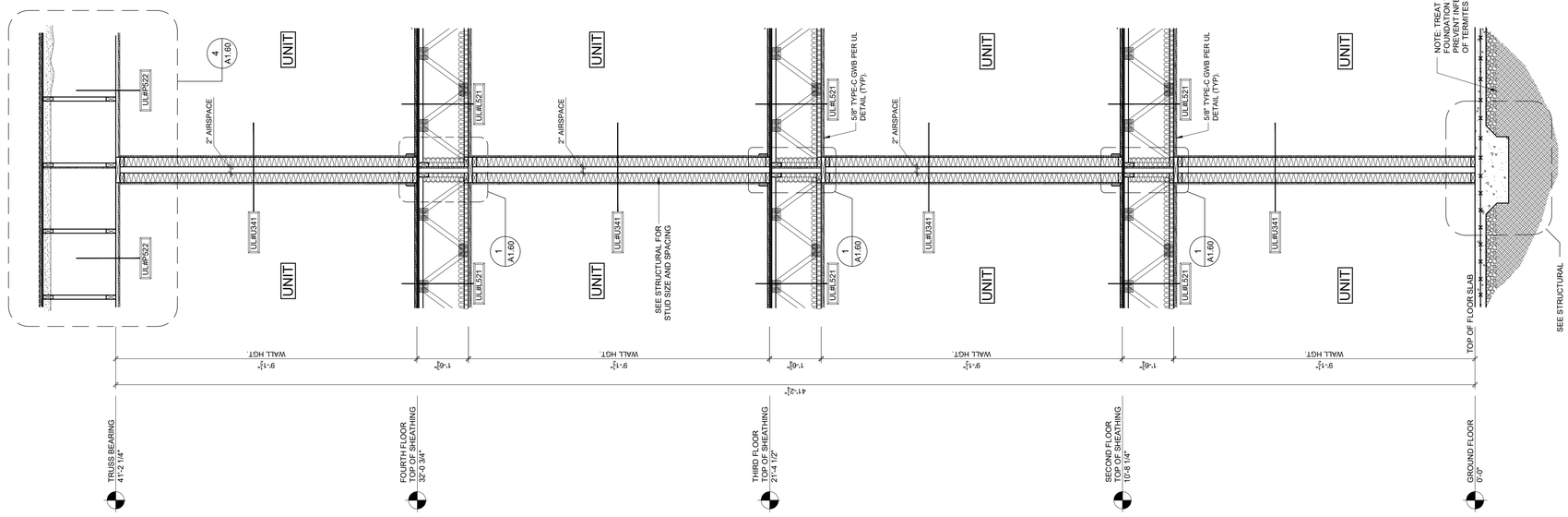

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2 UNIT/BREEZEWAY SECTION
Scale: 1/2" = 1'-0"

1 PARTY WALL SECTION
Scale: 1/2" = 1'-0"

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ISSUE DATE:	-

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Wall Sections
SHEET NUMBER: A1.40

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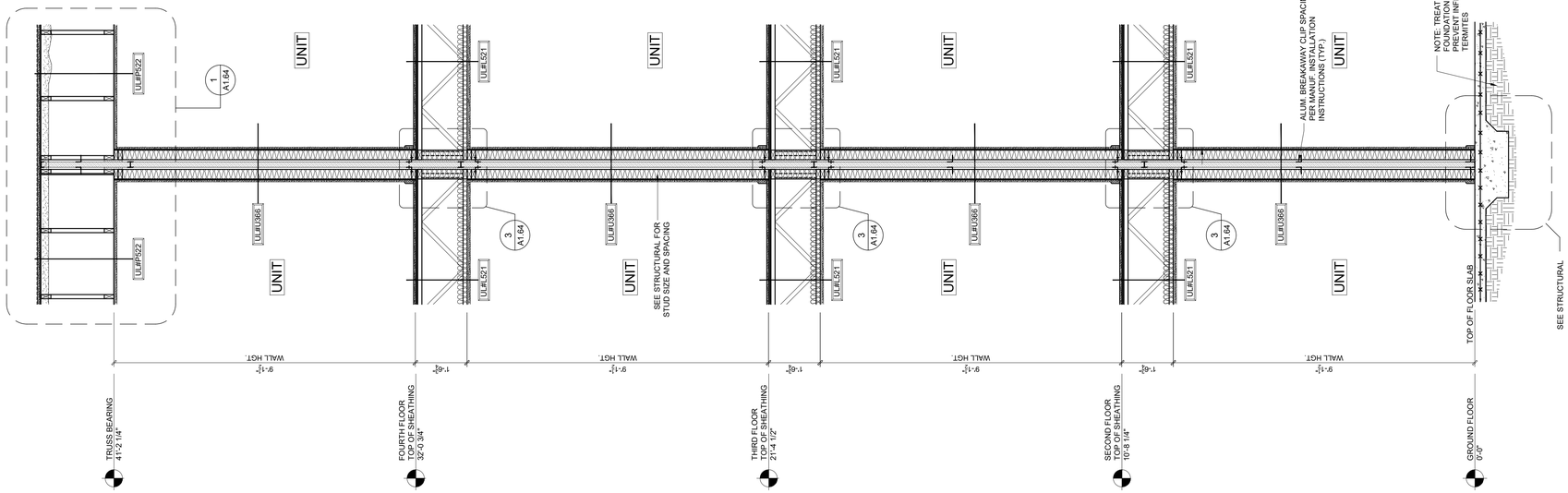

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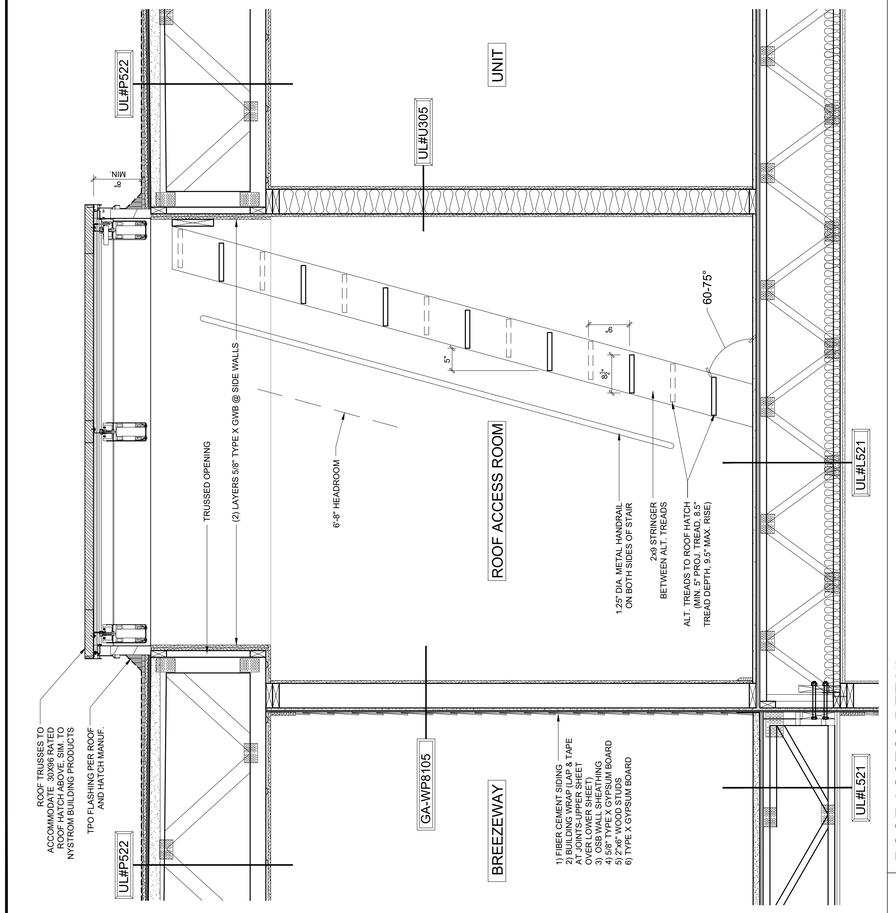
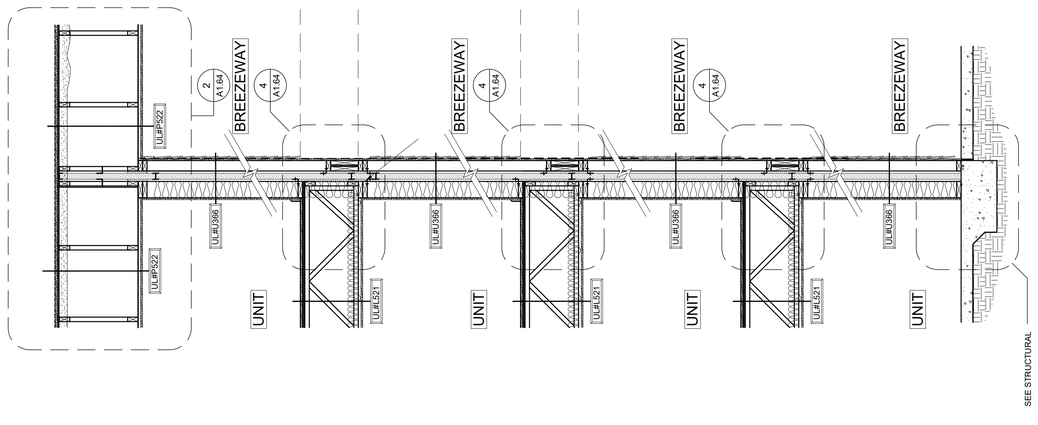
2 HOUR FIREWALL @ PARTY WALL
Scale: 1/2" = 1'-0"

2



3 ROOF ACCESS DETAIL
Scale: 3/4" = 1'-0"



2 HOUR FIREWALL PARALLEL TO BREEZEWAY
Scale: 1/2" = 1'-0"

1

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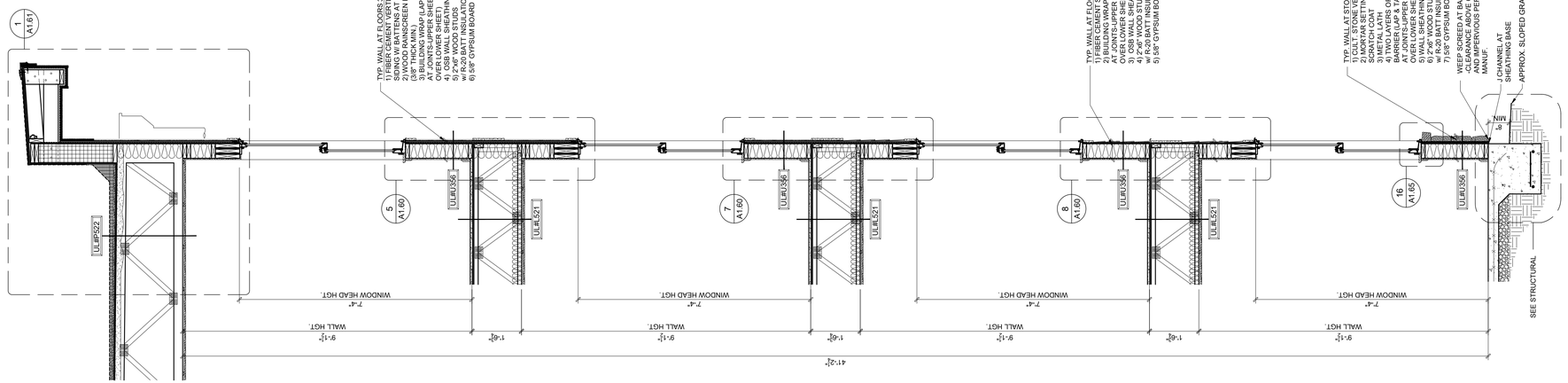
PROGRESS DATE:	11-24-21 (99% Set)
ISSUE DATE:	-

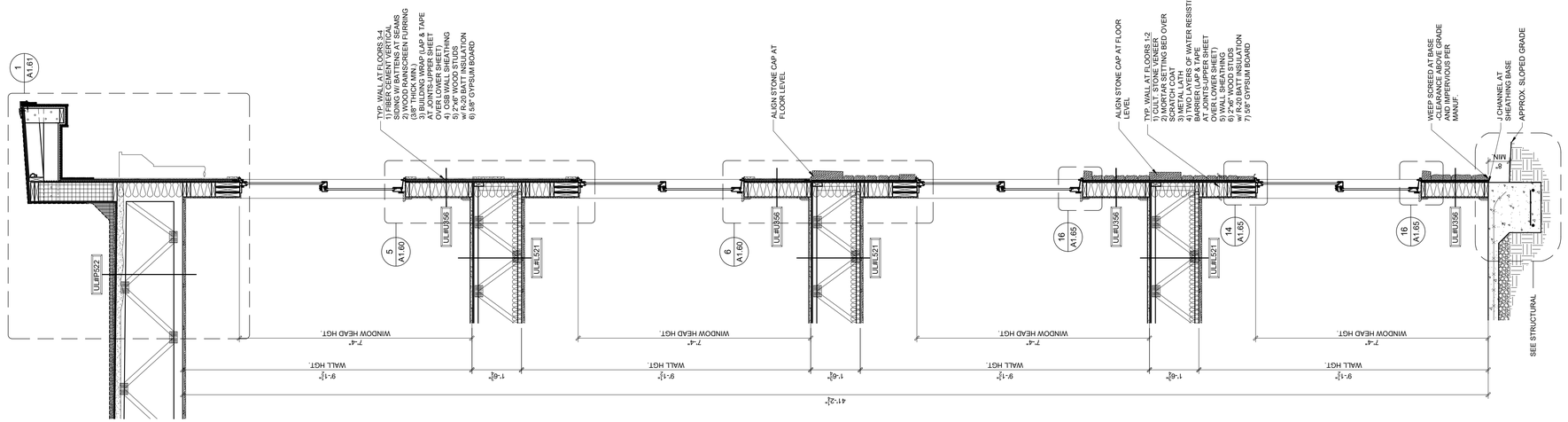
REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Wall Sections

SHEET NUMBER:
A1.41





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2 EXTERIOR WALL SECTION
Scale: 1/2" = 1'-0"

1 EXTERIOR WALL SECTION
Scale: 1/2" = 1'-0"

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PROGRESS DATE:	11-24-21 (99% Set)
ISSUE DATE:	-

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Wall Sections

SHEET NUMBER:
A1.42

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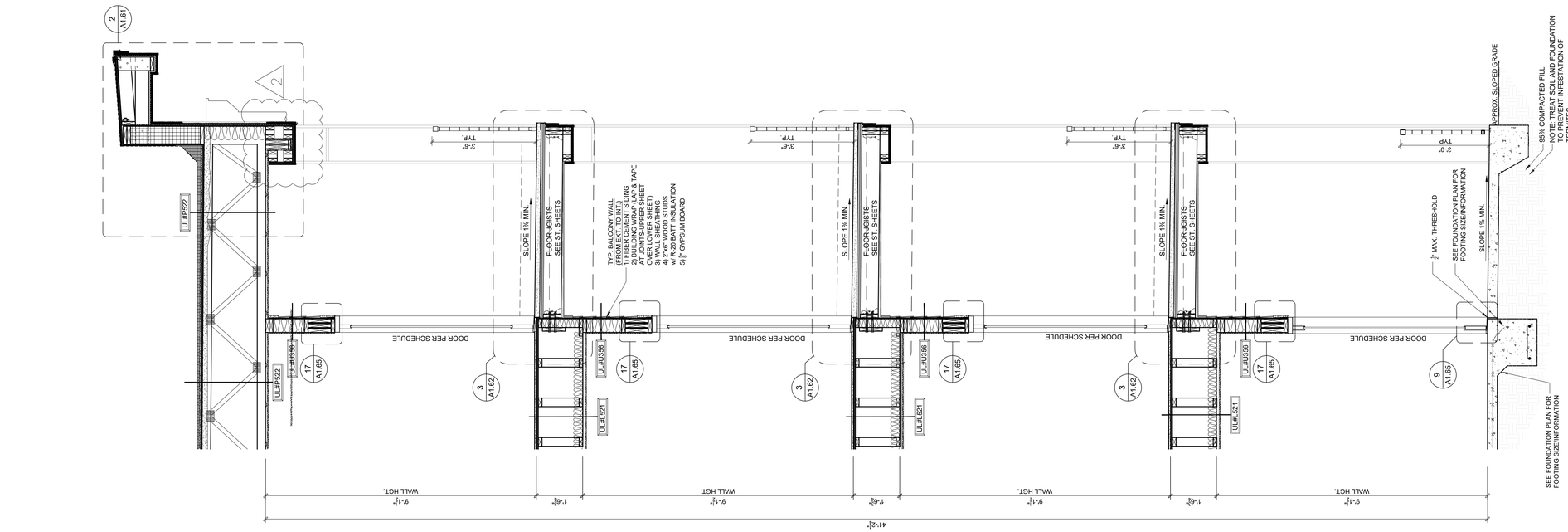

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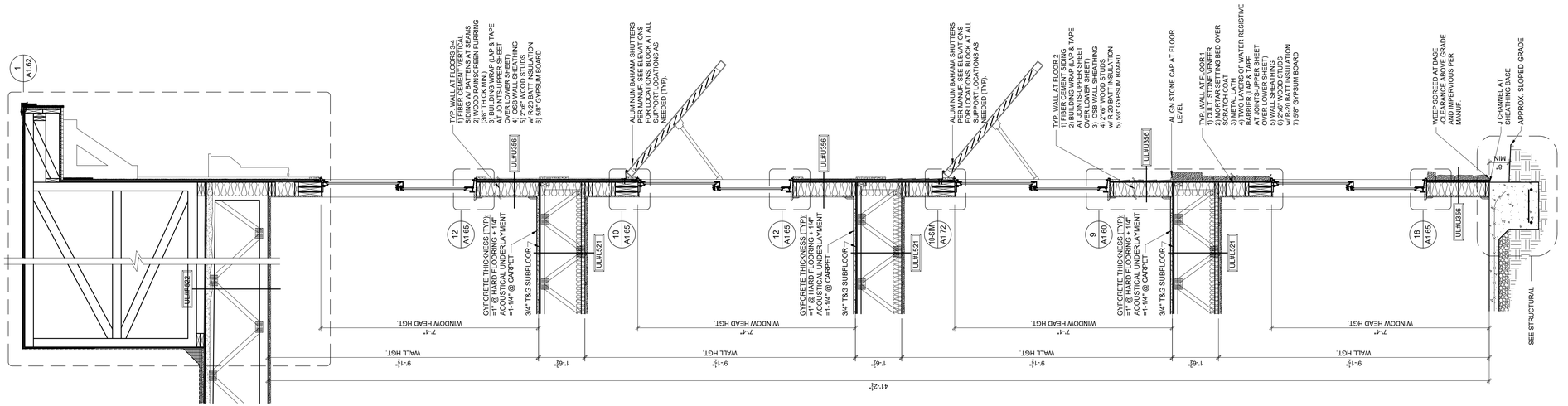
2 EXTERIOR WALL SECTION
Scale: 1/2" = 1'-0"



1 EXTERIOR WALL SECTION
Scale: 1/2" = 1'-0"

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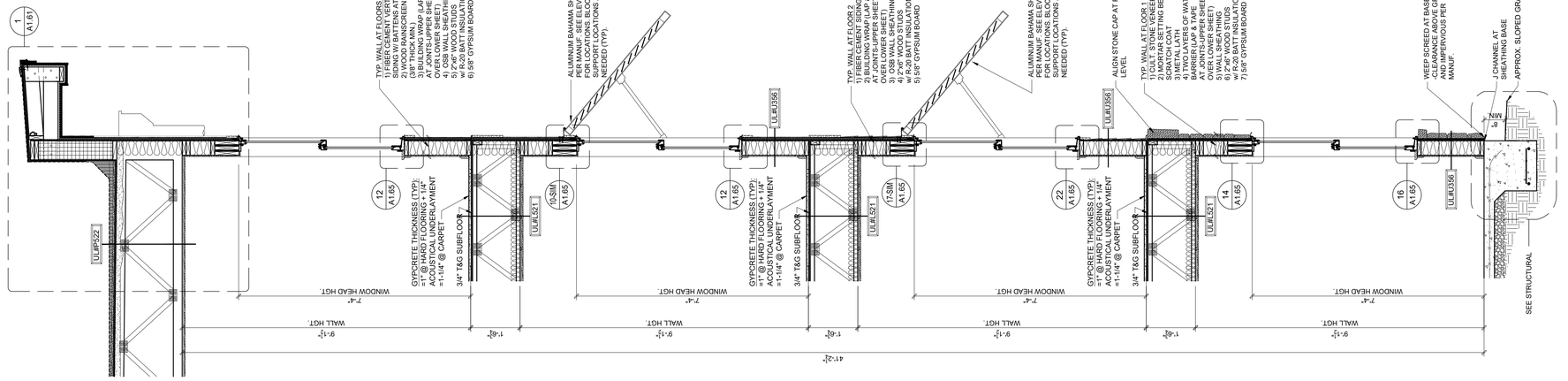
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
	10/04/19	TH	Cycle 1 Permit Responses
	11/22/19	TH	Cycle 2 Permit Responses

PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -
PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Wall Sections
SHEET NUMBER: A1.43



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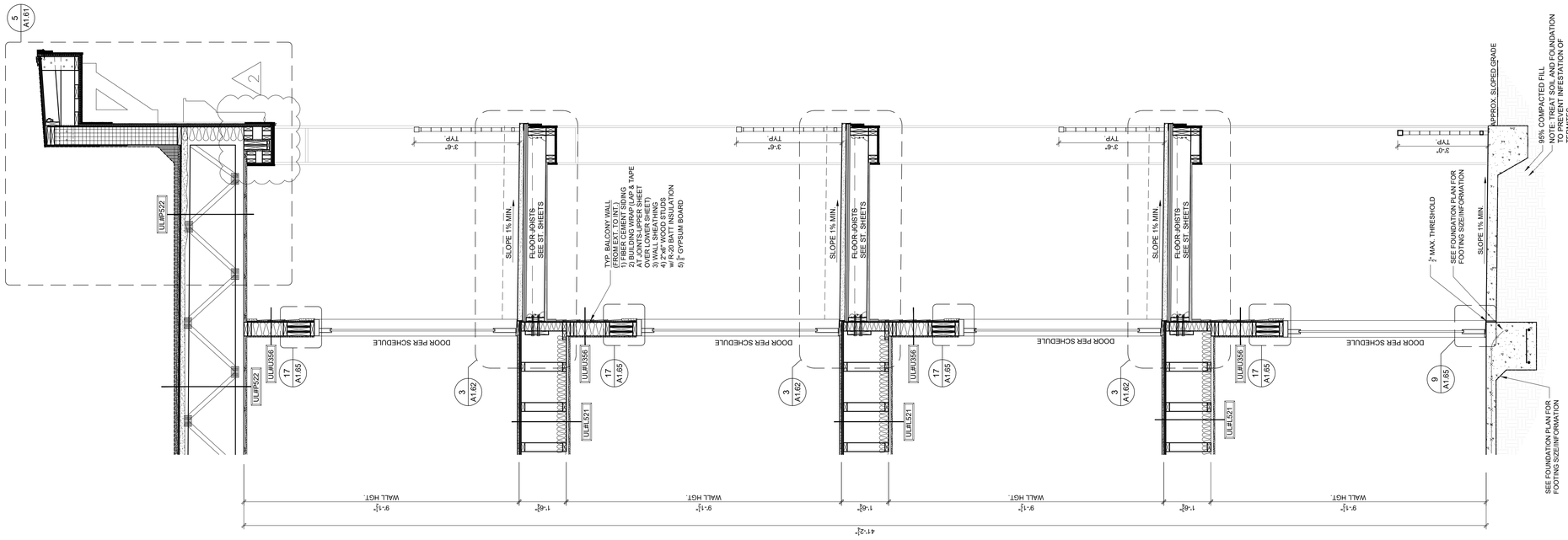
2 EXTERIOR WALL SECTION
Scale: 1/2" = 1'-0"



1 EXTERIOR WALL SECTION
Scale: 1/2" = 1'-0"

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ISSUE DATE: -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
	10/04/19	TH	Cycle 1 Permit Responses
	11/22/19	TH	Cycle 2 Permit Responses

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Wall Sections
SHEET NUMBER: A1.44

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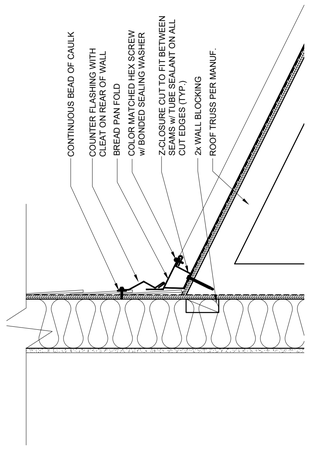
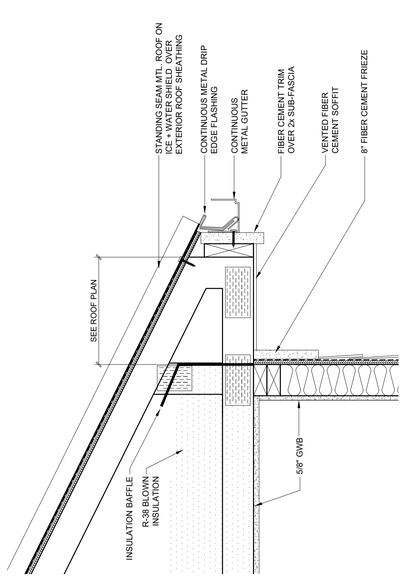


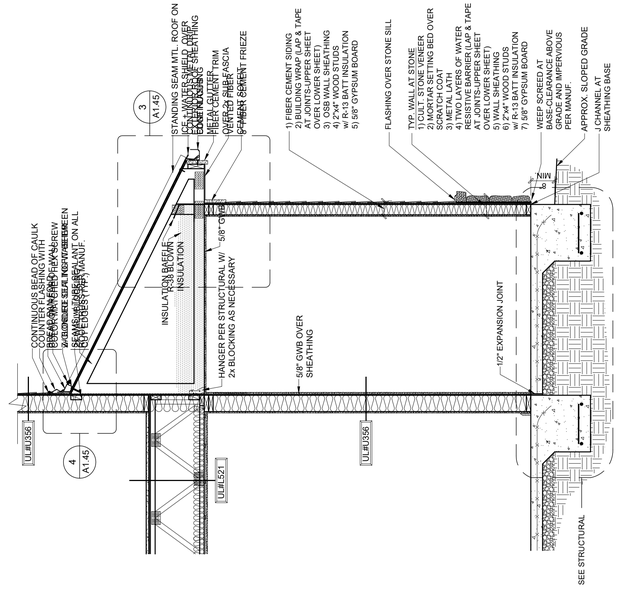
4 ENLARGED DETAIL - ROOF TO WALL

Scale: 1-1/2" = 1'-0"



3 ENLARGED EAVE DETAIL

Scale: 1-1/2" = 1'-0"



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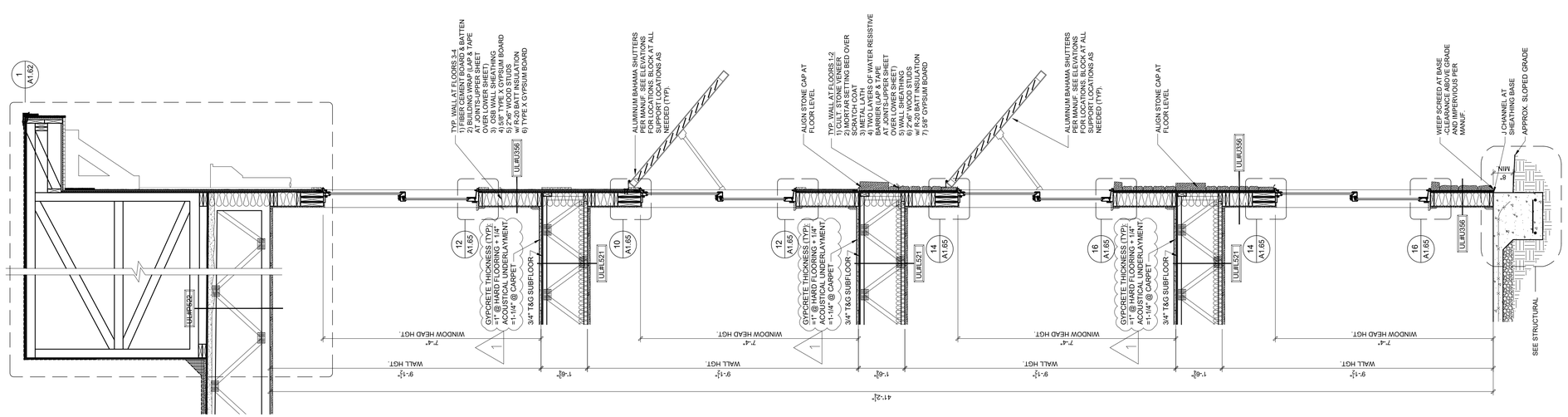
2 EXTERIOR WALL SECTION @ RISER ROOM

Scale: 1/2" = 1'-0"



1 EXTERIOR WALL SECTION

Scale: 1/2" = 1'-0"

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PROGRESS DATE:	11-24-21 (99% Set)		
ISSUE DATE:	-		
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
	10/04/19	TH	Cycle 1 Permit Responses

PROJECT NO: 010819

DRAWN BY: CL/AM

CHECKED BY:

SHEET TITLE: Wall Sections

SHEET NUMBER: A1.45

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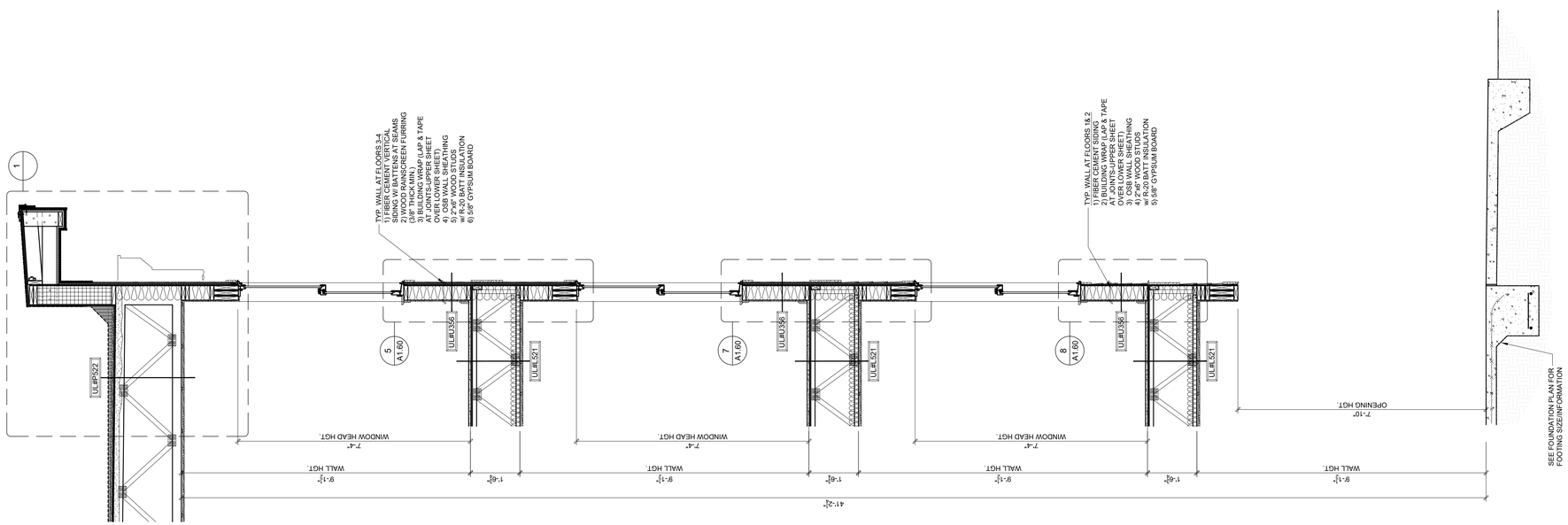

1 EXTERIOR WALL SECTION

Scale: 1/2" = 1'-0"

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PROGRESS DATE:	11-24-21 (99% Set)
ISSUE DATE:	-
REVISIONS NUMBER	DATE / INITIALS / DESCRIPTION
PROJECT NO:	010819
DRAWN BY:	CL/AM
CHECKED BY:	

SHEET TITLE:
Wall Sections

SHEET NUMBER:
A1.46

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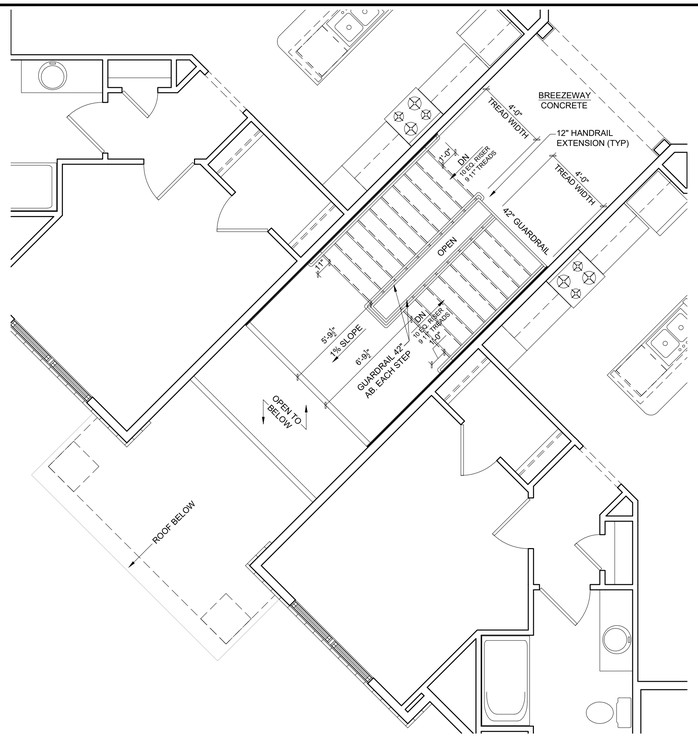
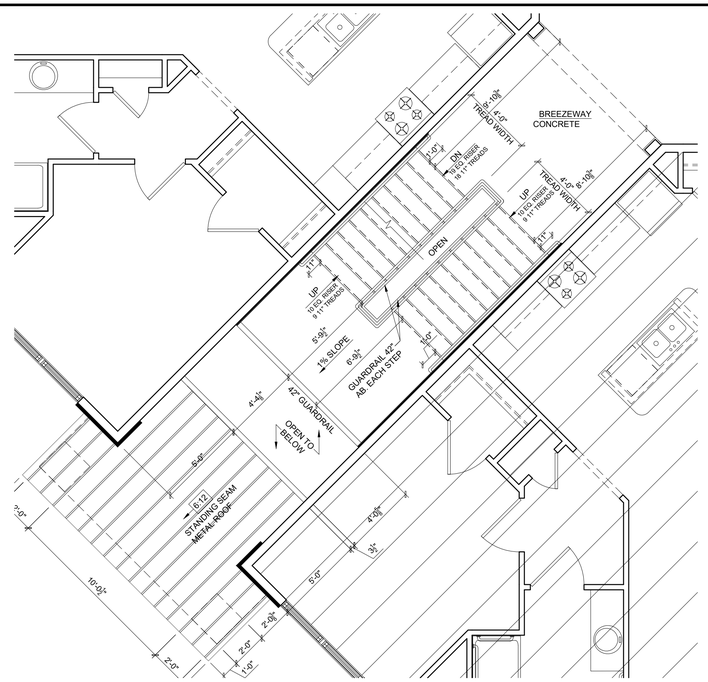


4 STAIR-1 PLAN - FOURTH FLOOR

Scale: 1/4" = 1'-0"



2 STAIR-1 PLAN - SECOND FLOOR

Scale: 1/4" = 1'-0"

NOTES:
1) SEE ENLARGED UNIT PLANS FOR ANY RELATED UNIT INFORMATION NOT SHOWN ON STAIR PLANS

2) STAIRCASE STRINGER IS DRAWN AGAINST BREEZEWAY WALL SHEATHING. MAINTAIN 1-1/2" BETWEEN INSIDE HANDRAIL GRIPPING SURFACE AND WALL VENEER/FINISH MATERIAL.

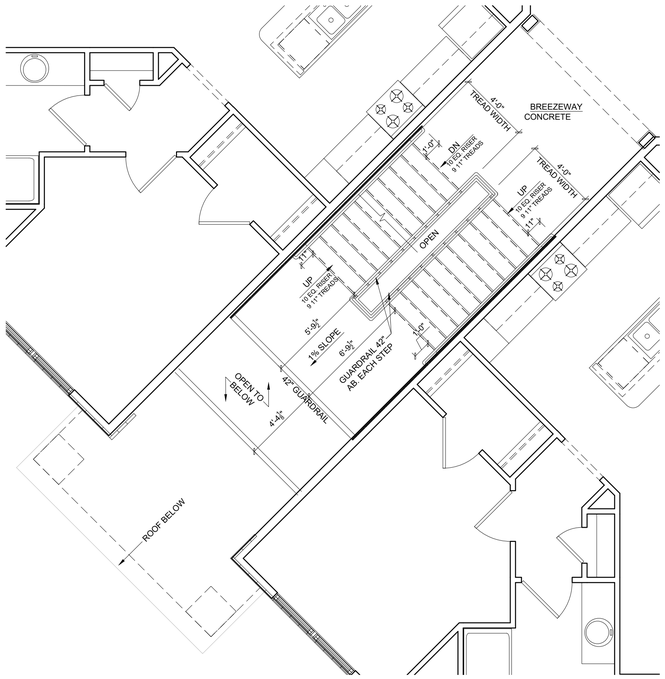
3) HANDRAIL SHOWN INSIDE GUARDRAIL/STRINGER LOCATION. CLEAR WIDTH WILL BE GREATER DEPENDING IF HANDRAIL IS FABRICATED IN-LINE WITH GUARDRAIL PER MANUF. SPECIFICATIONS. HANDRAILS TO BE INSTALLED @ 34"-38" ABOVE EACH STEP & SHALL BE AT A CONSISTENT HEIGHT ABOVE STAIR NOSINGS & WALKING SURFACES (TYP)

4) THE LEADING 2" OF THE TREAD SHALL HAVE VISUAL CONTRAST OF DARK-ON-LIGHT OR LIGHT-ON-DARK FROM THE REMAINDER OF THE TREAD

5) TREAD SURFACE SHALL HAVE A SLOPE NOT STEEPER THAN 1:48

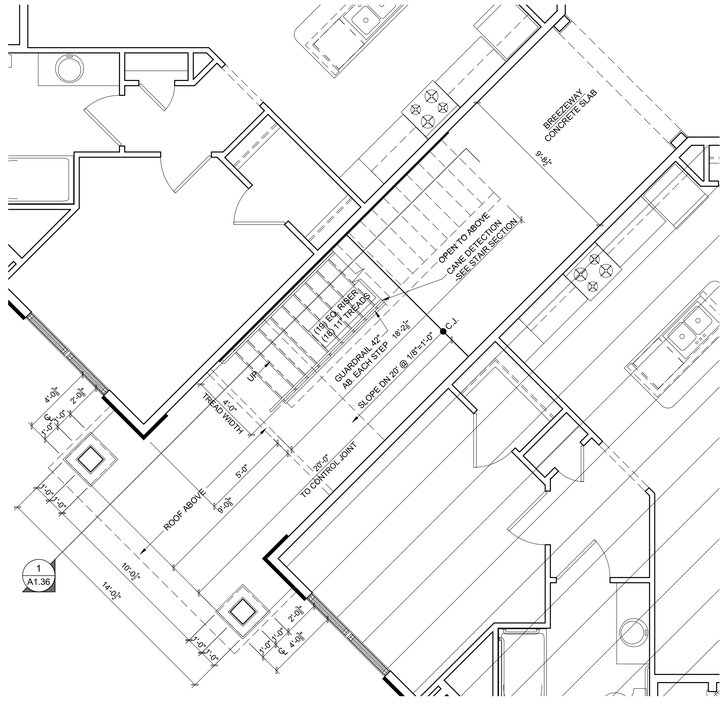
6) ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHT AND TREAD DEPTH

7) ALL GUARDS, HANDRAILS & STRINGERS TO BE PRE-FINISHED, PAINTED



3 STAIR-1 PLAN - THIRD FLOOR

Scale: 1/4" = 1'-0"



1 STAIR-1 PLAN - FIRST FLOOR

Scale: 1/4" = 1'-0"

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Zimmer Development Company
Fort Meyers, Florida
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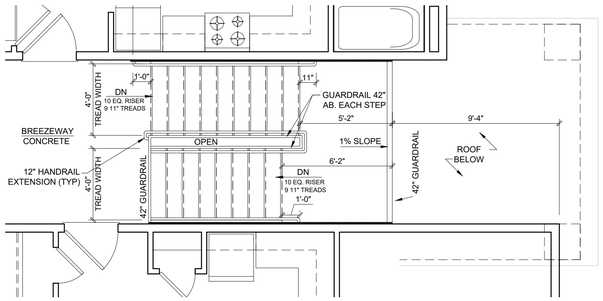
PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

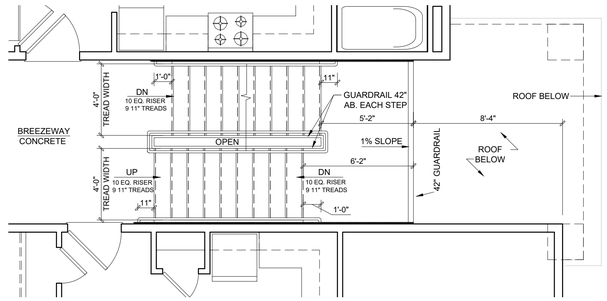
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Building Stair Plans
SHEET NUMBER: A1.50



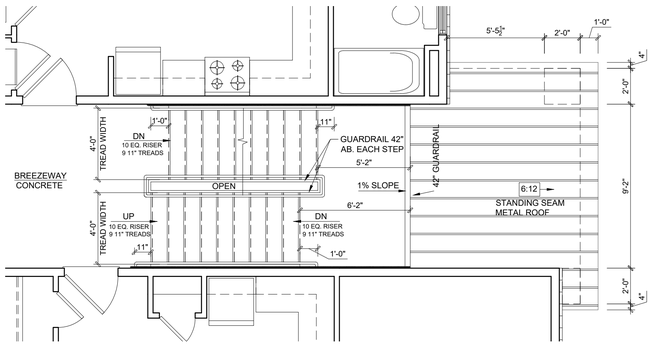
8 STAIR-3 PLAN - FOURTH FLOOR

Scale: 1/4" = 1'-0"



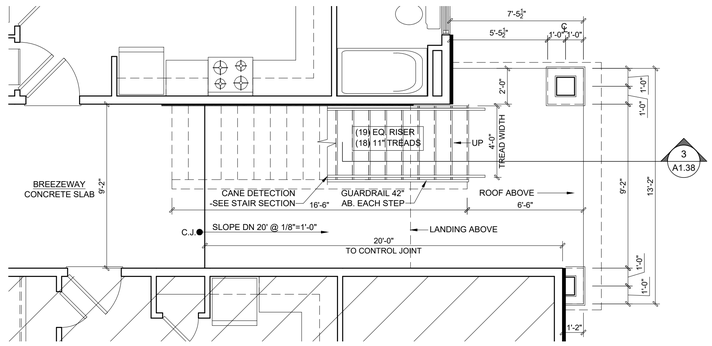
7 STAIR-3 PLAN - THIRD FLOOR

Scale: 1/4" = 1'-0"



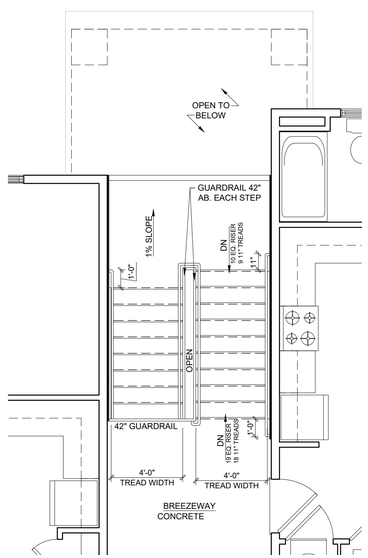
6 STAIR-3 PLAN - SECOND FLOOR

Scale: 1/4" = 1'-0"



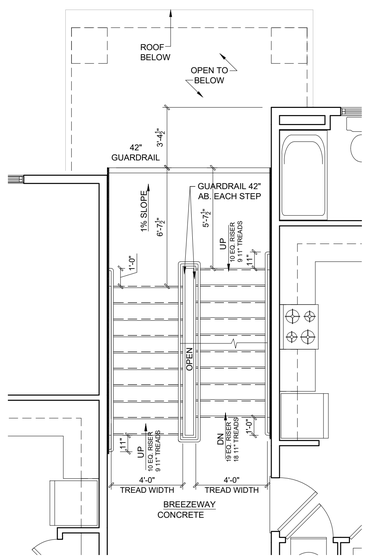
5 STAIR-3 PLAN - FIRST FLOOR

Scale: 1/4" = 1'-0"



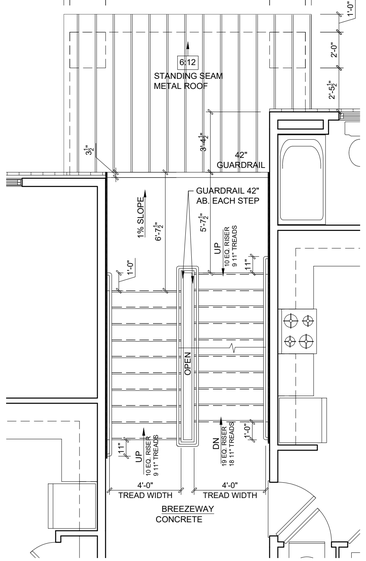
4 STAIR-2 PLAN - FOURTH FLOOR

Scale: 1/4" = 1'-0"



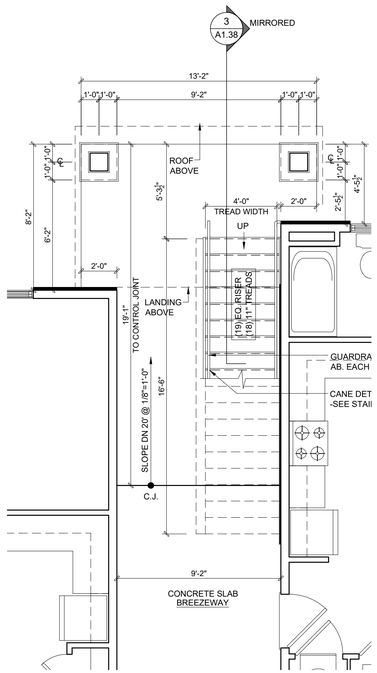
3 STAIR-2 PLAN - THIRD FLOOR

Scale: 1/4" = 1'-0"



2 STAIR-2 PLAN - SECOND FLOOR

Scale: 1/4" = 1'-0"



1 STAIR-2 PLAN - FIRST FLOOR

Scale: 1/4" = 1'-0"

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PROGRESS DATE:	11-24-21 (99% Set)		
ISSUE DATE:	-		
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Building Stair Plans

SHEET NUMBER:
A1.51

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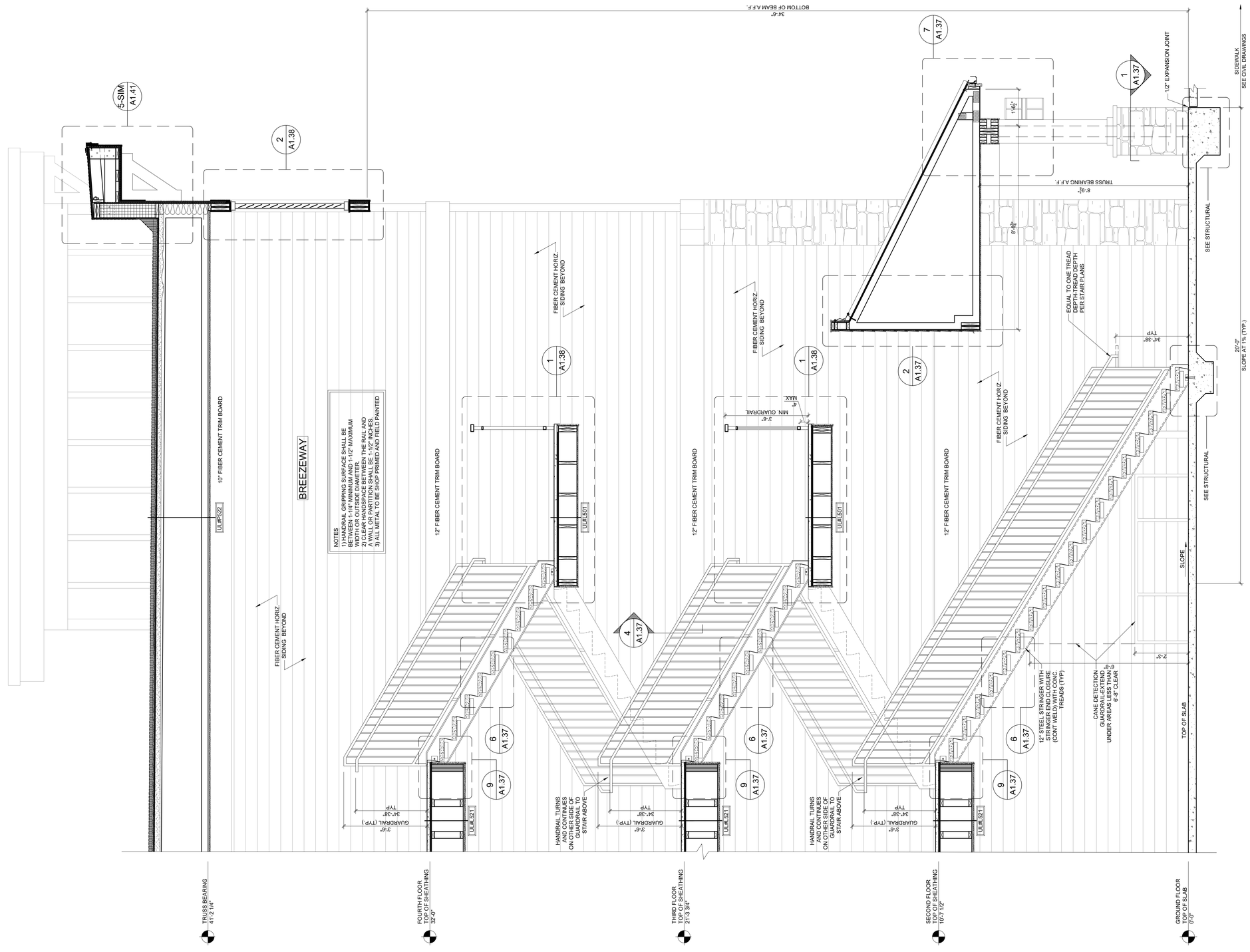

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ISSUE DATE: -

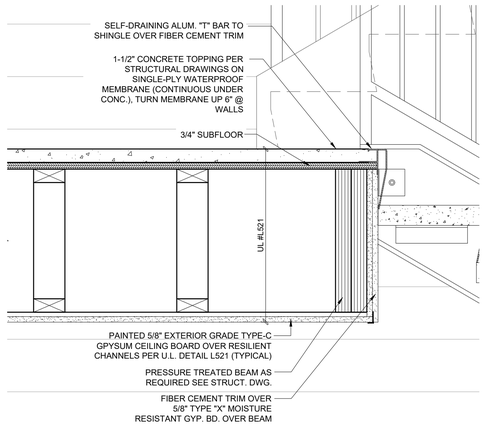
REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE: Stair Section

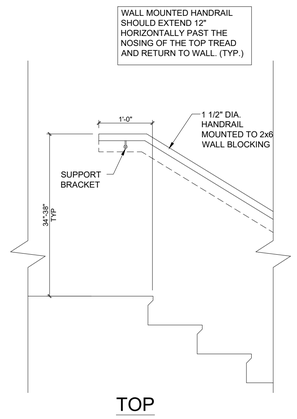
SHEET NUMBER: A1.52

1 STAIR #1 SECTION
Scale: 1/2" = 1'-0"



9 ENLARGED TOP LANDING DETAIL

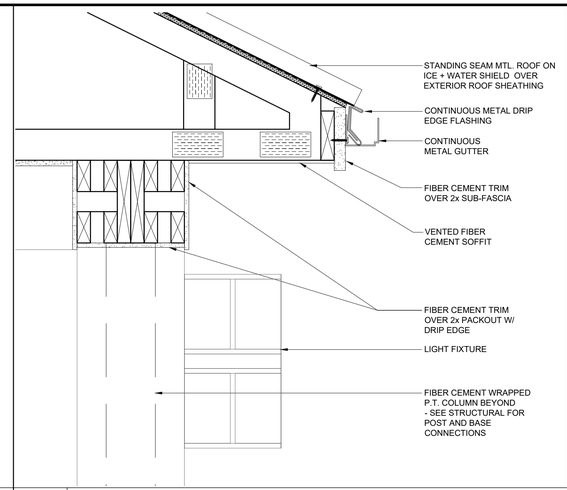
Scale: 1-1/2" = 1'-0"



TOP

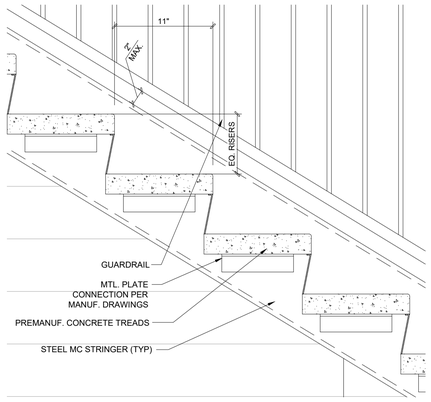
8 HANDRAIL AT WALL DETAILS - TOP

Scale: 3/4" = 1'-0"



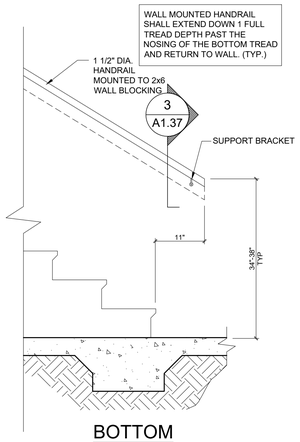
7 ENLARGED ENTRY ROOF DETAIL

Scale: 1-1/2" = 1'-0"



6 ENLARGED STRINGER DETAIL

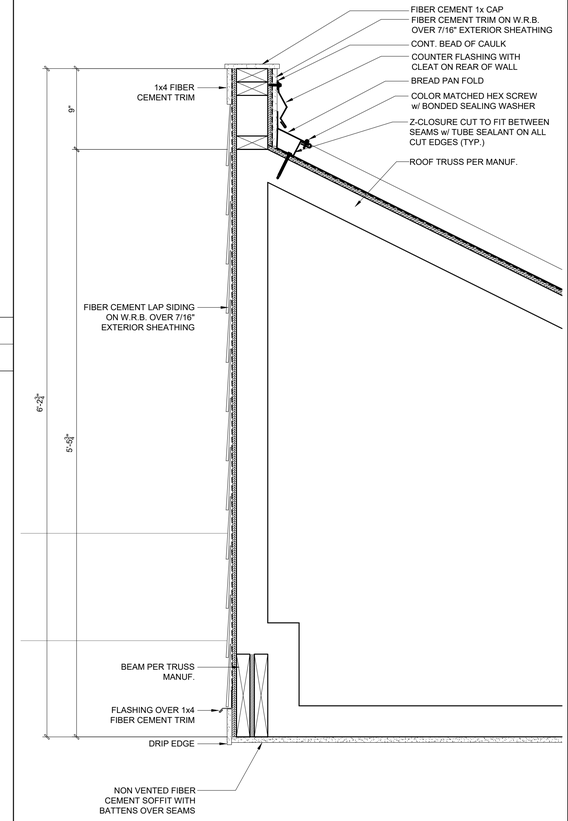
Scale: 1-1/2" = 1'-0"



BOTTOM

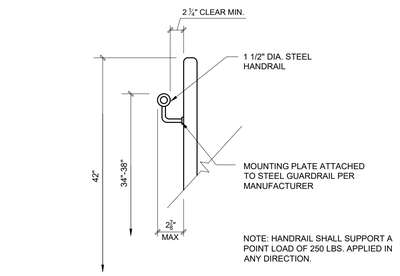
5 HANDRAIL AT WALL DETAILS - BOTTOM

Scale: 3/4" = 1'-0"



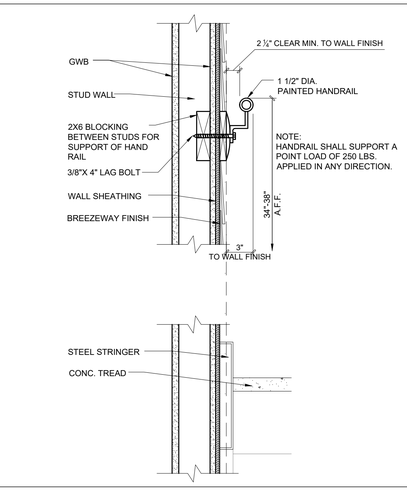
2 ENLARGED ENTRY ROOF DETAIL

Scale: 1-1/2" = 1'-0"



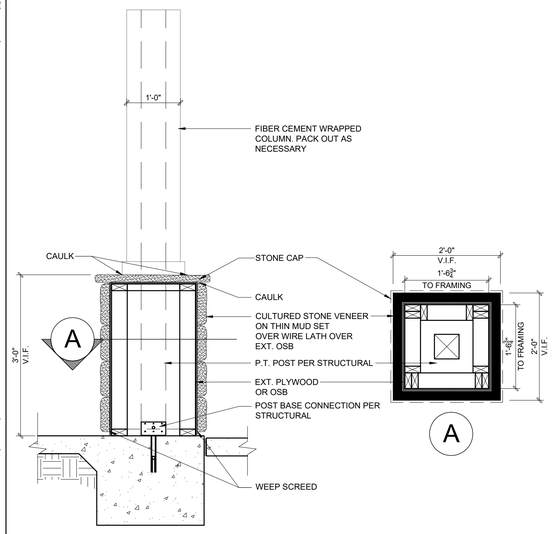
4 HANDRAIL AT STAIR

Scale: 1-1/2" = 1'-0"



3 HANDRAIL AT WALL SECTION

Scale: 1-1/2" = 1'-0"



1 ENTRY COLUMN DETAIL

Scale: 3/4" = 1'-0"

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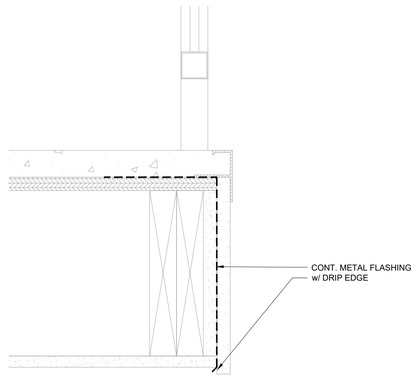
PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

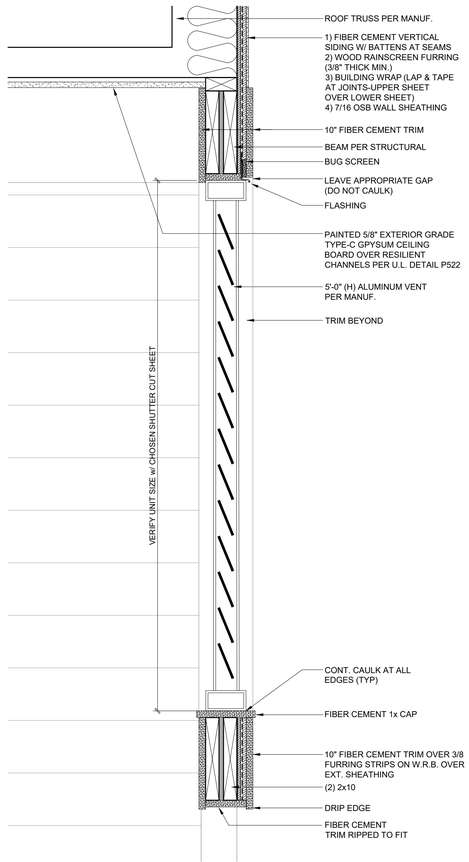
SHEET TITLE:
Enlarged Stair Details

SHEET NUMBER:
A1.53



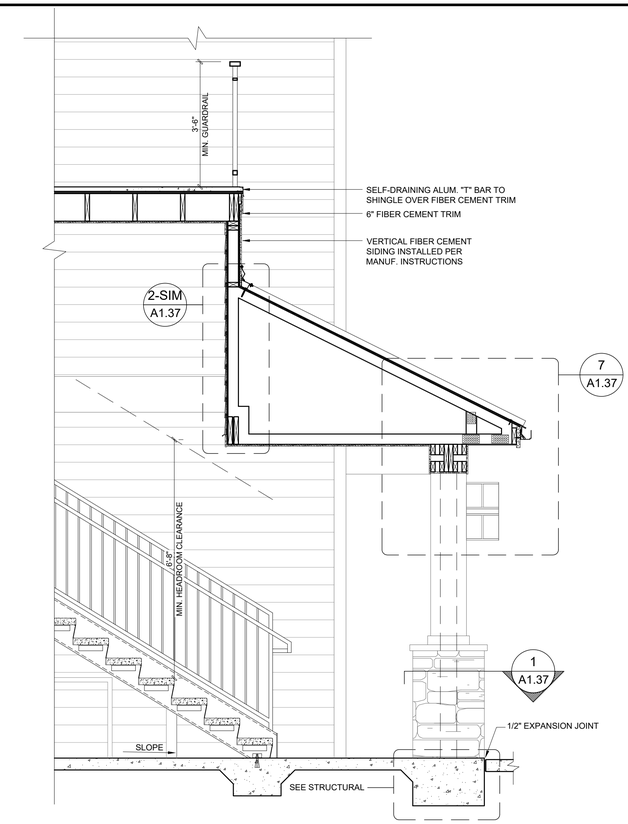
4 ENLARGED FLASHING DETAIL

Scale: 3" = 1'-0"



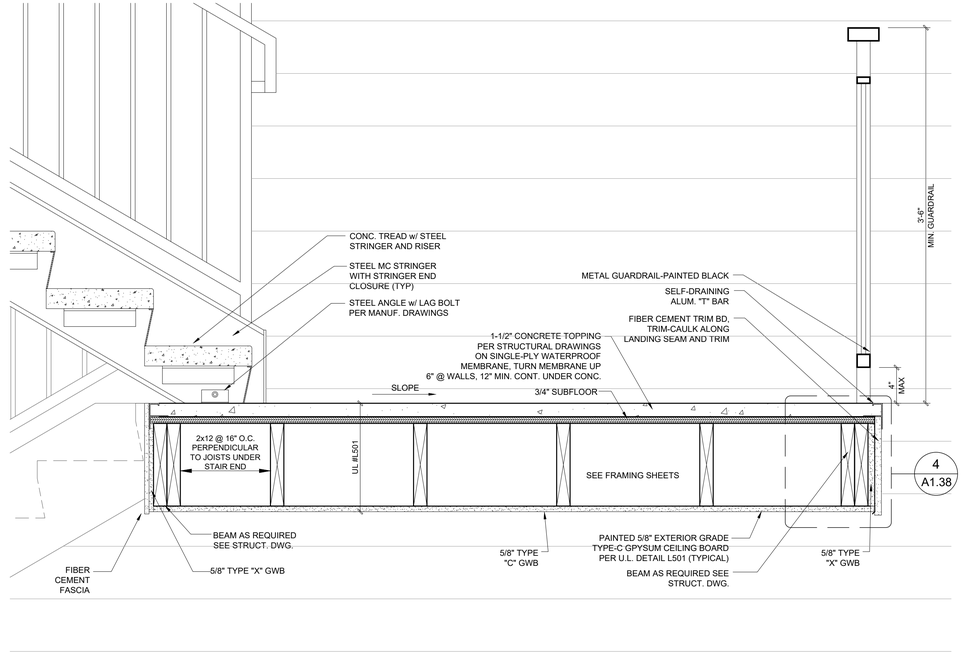
2 ENLARGED VENT DETAIL

Scale: 1-1/2" = 1'-0"



3 PARTIAL SECTION AT STAIR # 2 & 3

Scale: 1/2" = 1'-0"



1 ENLARGED DETAIL AT BOTTOM LANDING

Scale: 1-1/2" = 1'-0"

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PROJECT NO: 010819
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SHEET TITLE:
Enlarged Stair Details

SHEET NUMBER:
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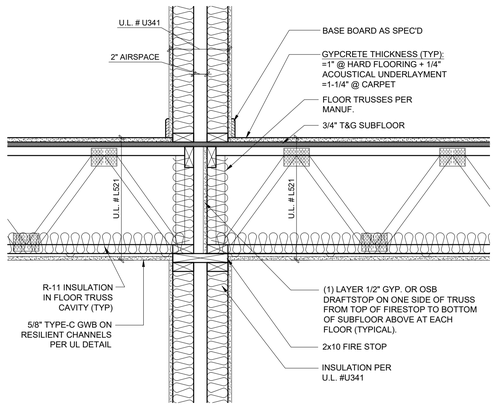
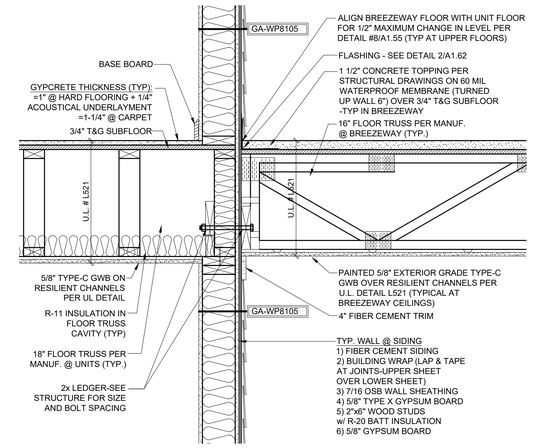


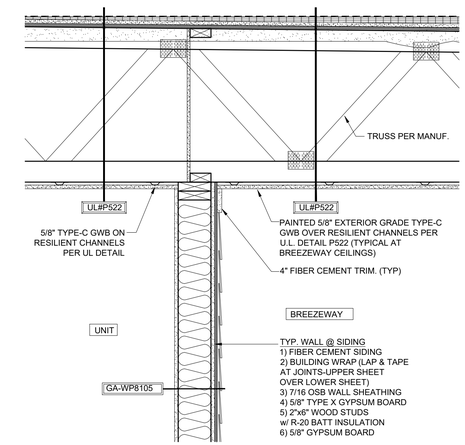
1 ENLARGED DETAIL @ PARTY WALL

Scale: 1" = 1'-0"



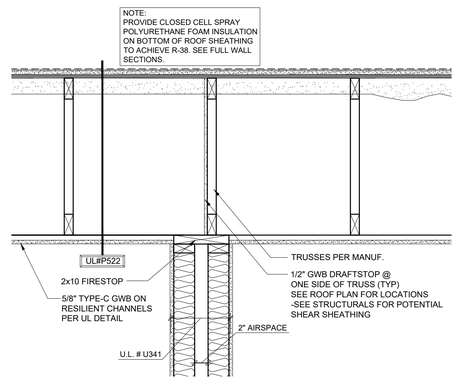
2 ENLARGED DETAILS @ BREEZEWAY CONNECTION

Scale: 1" = 1'-0"



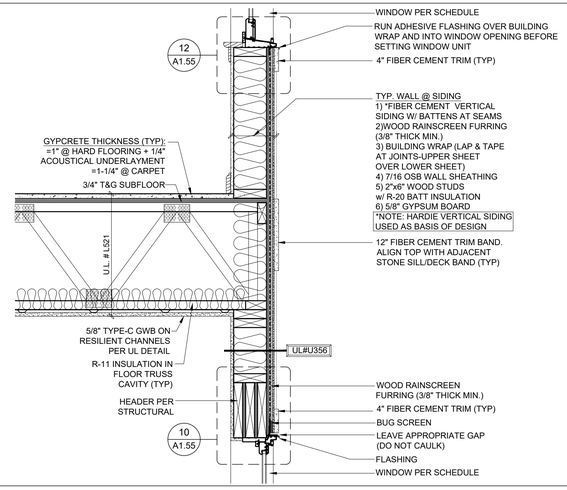
3 TOP OF BREEZEWAY/UNIT WALL

Scale: 1" = 1'-0"



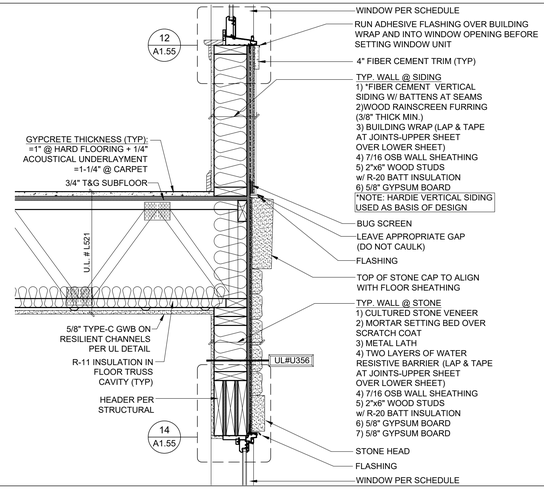
4 TOP OF TENANT SEPARATION WALL

Scale: 1" = 1'-0"



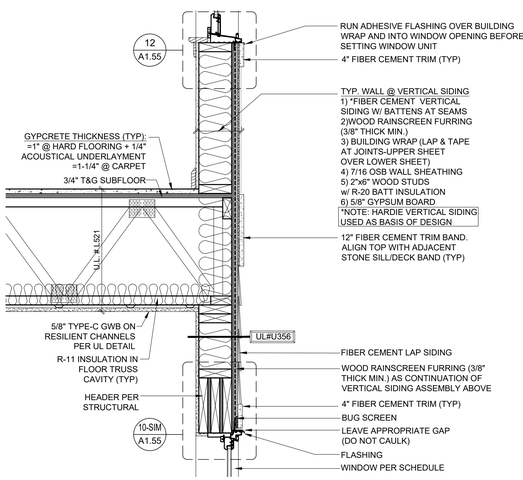
5 ENLARGED WALL SECTION @ VERTICAL SIDING

Scale: 1" = 1'-0"



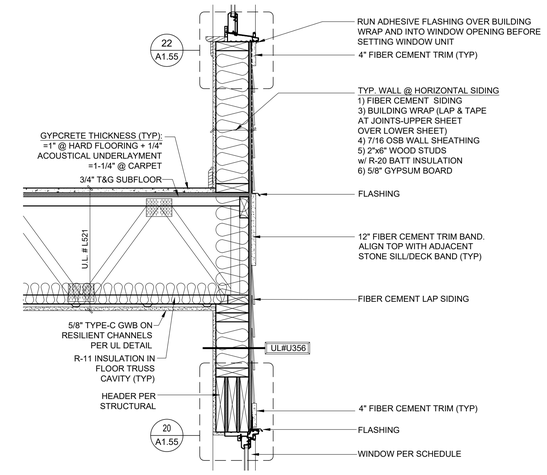
6 ENLARGED WALL SECTION @ VERTICAL SIDING/STONE

Scale: 1" = 1'-0"



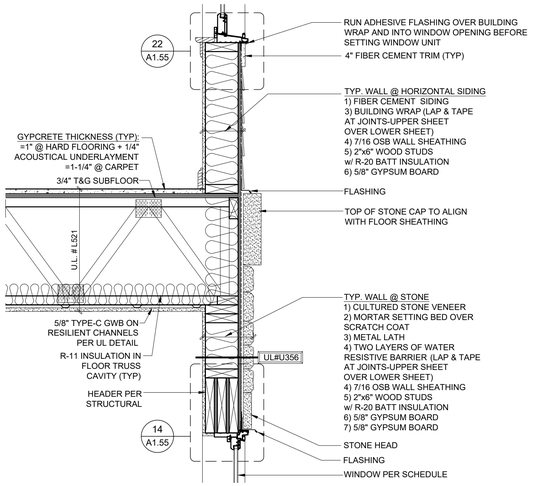
7 ENLARGED WALL SECTION @ VERTICAL & HORIZONTAL SIDING

Scale: 1" = 1'-0"



8 ENLARGED WALL SECTION @ HORIZONTAL SIDING

Scale: 1" = 1'-0"



9 ENLARGED WALL SECTION @ HORIZONTAL SIDING/STONE

Scale: 1" = 1'-0"

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Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

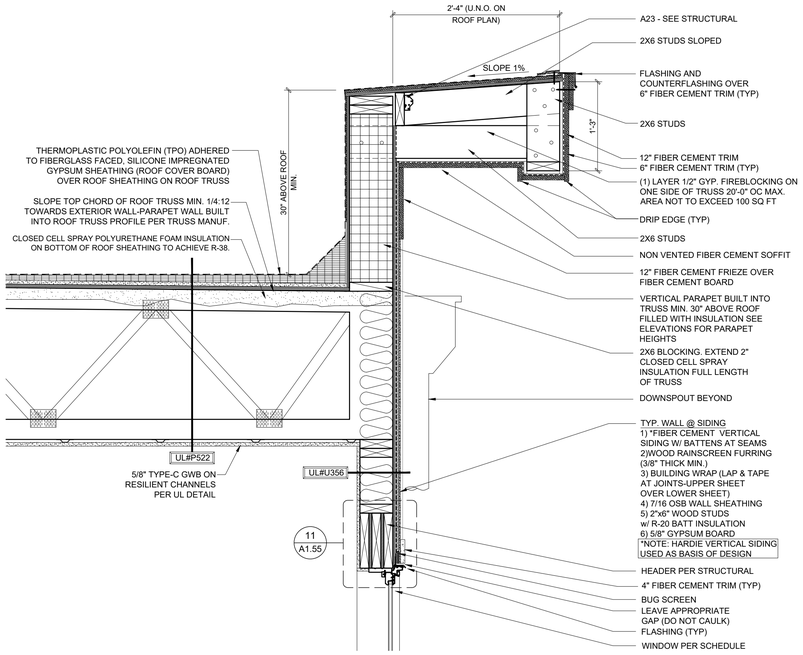
PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

NUMBER	REVISIONS	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

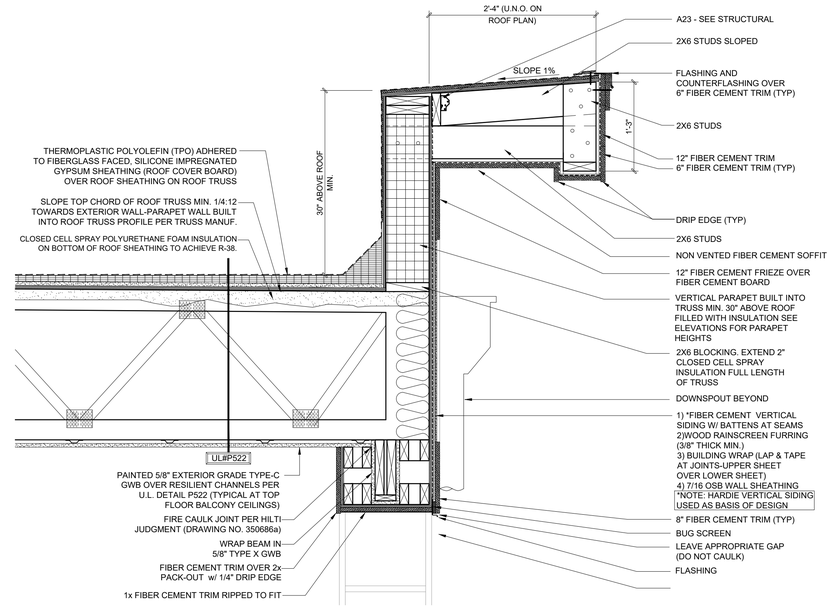
SHEET TITLE: Enlarged Details

SHEET NUMBER: A1.60



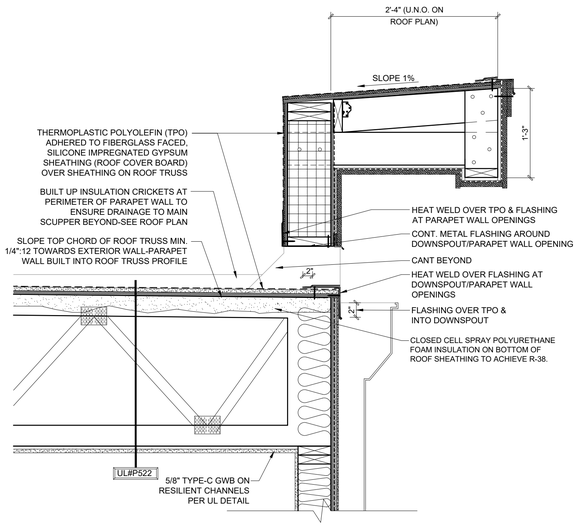
1 ENLARGED PARAPET DETAIL

Scale: 1" = 1'-0"



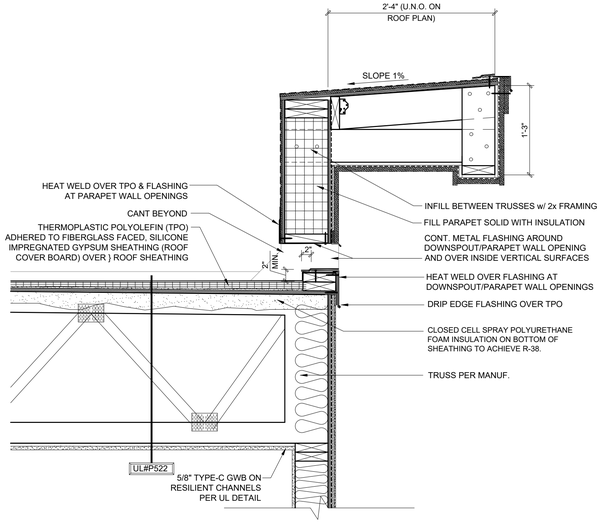
2 ENLARGED PARAPET DETAIL @ BALCONY

Scale: 1" = 1'-0"



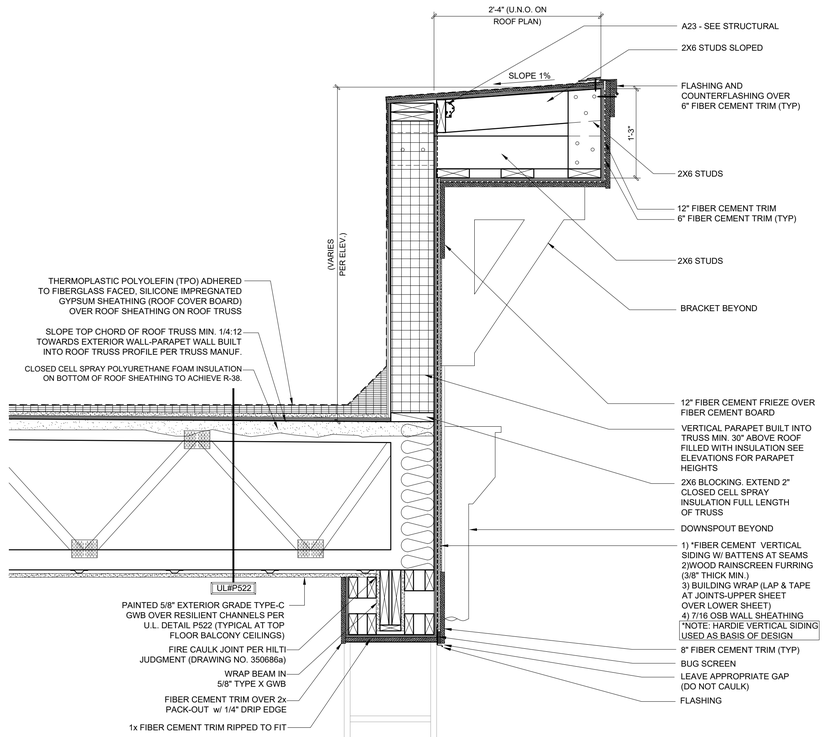
3 MAIN SCUPPER DETAIL

Scale: 1" = 1'-0"



4 OVERFLOW SCUPPER DETAIL

Scale: 1" = 1'-0"



5 ENLARGED PARAPET DETAIL @ BALCONY

Scale: 1" = 1'-0"

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Zimmer Development Company
Fort Meyers, Florida

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
-			11-24-21 (99% Set)

PROGRESS DATE:
ISSUE DATE:

PROJECT NO: 010819
DRAWN BY: CL/AM
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SHEET TITLE: Enlarged Details

SHEET NUMBER: A1.61

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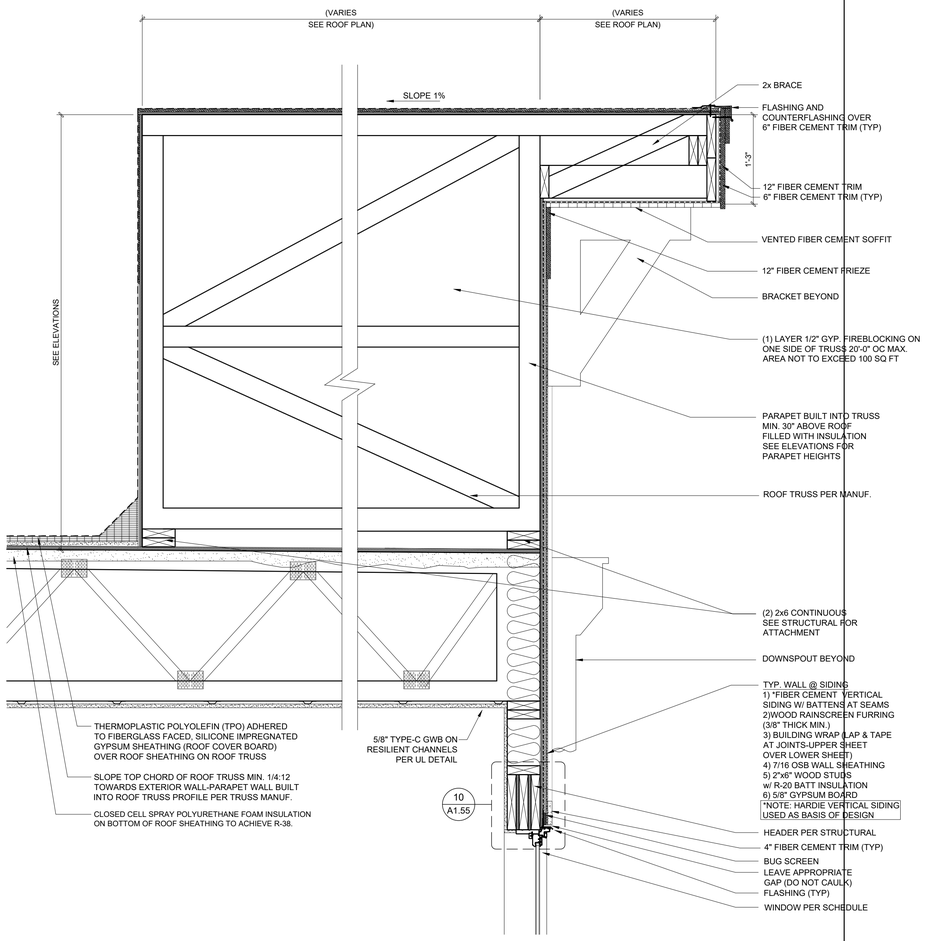
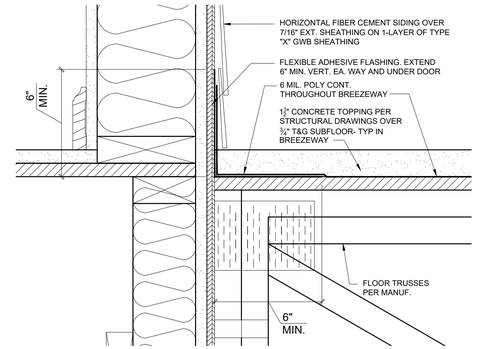


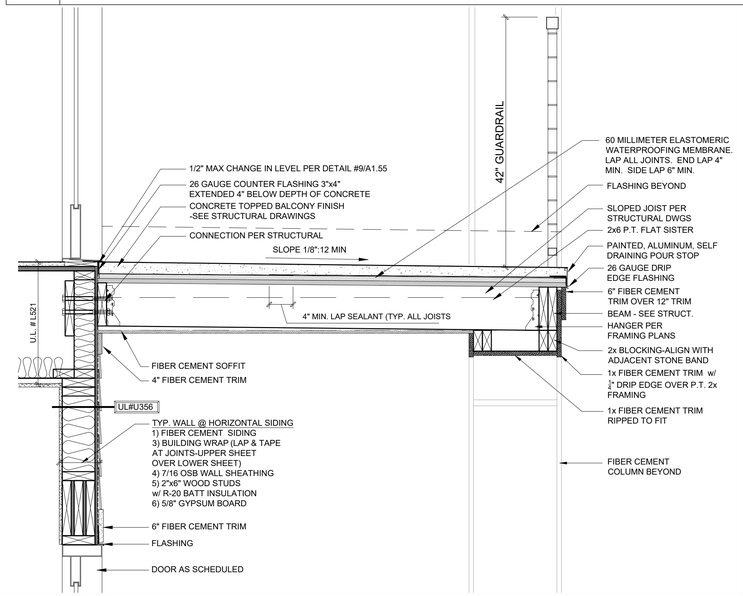
1 ENLARGED PARAPET DETAIL

Scale: 1" = 1'-0"



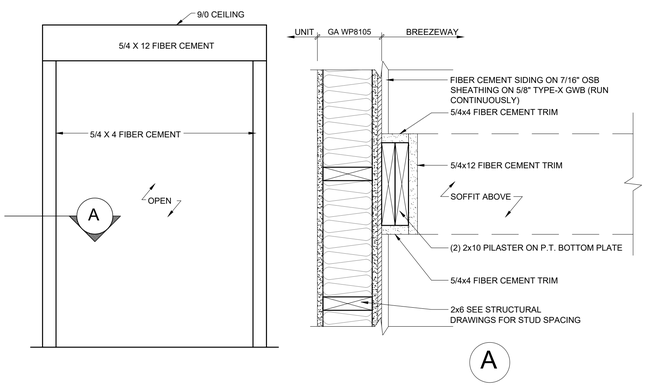
2 ENLARGED FLASHING DETAIL @ BREEZEWAY CONNECTION

Scale: 3" = 1'-0"



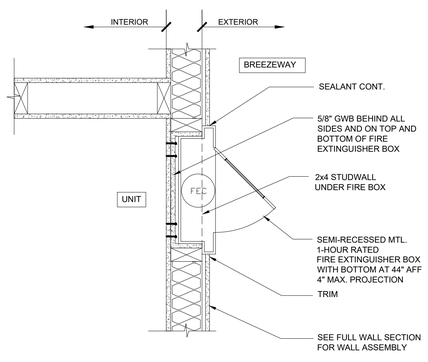
3 ENLARGED BALCONY DETAIL

Scale: 1" = 1'-0"



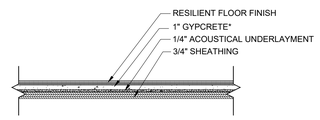
4 BREEZEWAY PILASTER ELEVATION & SECTION

NTS



5 FIRE EXTINGUISHER WALL DETAIL

Scale: NTS

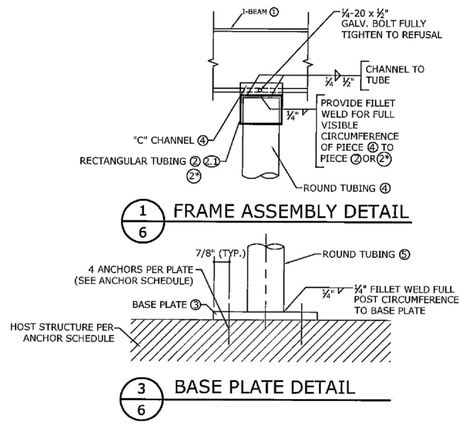


NOTE: PROVIDE ACOUSTICAL UNDERLAYMENT SUITABLE FOR INSTALLATION WITHIN A UL LISTED ASSEMBLY, AT ALL HARD SURFACE/RESILIENT FLOOR FINISH COVERINGS INCLUDING TILE AND VINYL FLOOR FINISH AREAS - ASSEMBLY TO MEET OR EXCEED CODE REQUIRED SOUND RATINGS SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION

*1-1/4" GYPCRETE AT CARPETED AREAS

6 ACOUSTICAL UNDERLAYMENT

Scale: 1-1/2" = 1'-0"



7 CONDENSER STAND DETAIL

Scale: Not to Scale

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Inspiration at Southpoint Apartments
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PROJECT NO: 010819
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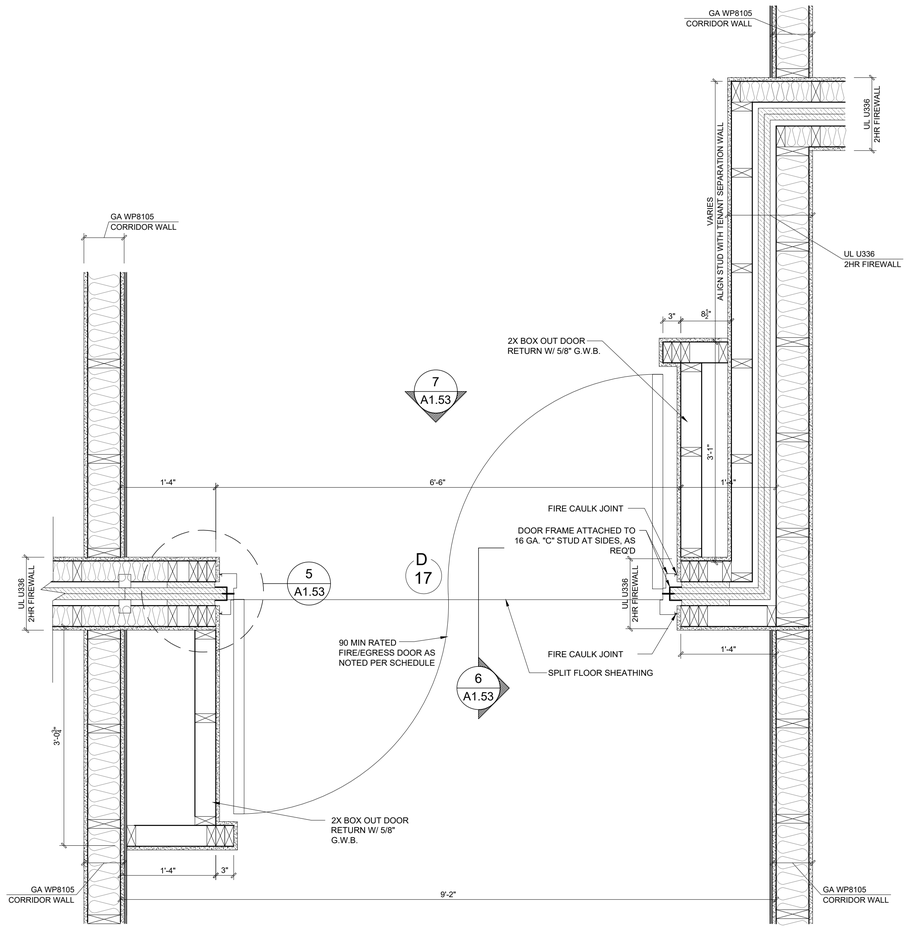
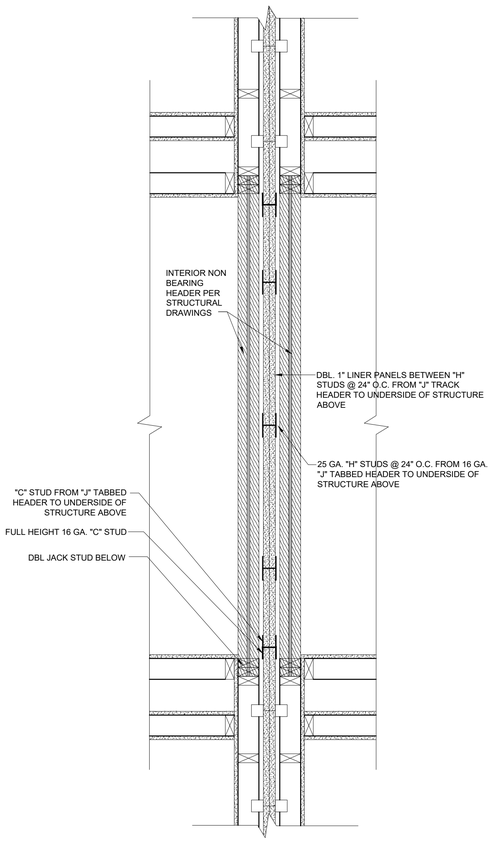
SHEET TITLE:
Enlarged Details

SHEET NUMBER:
A1.62



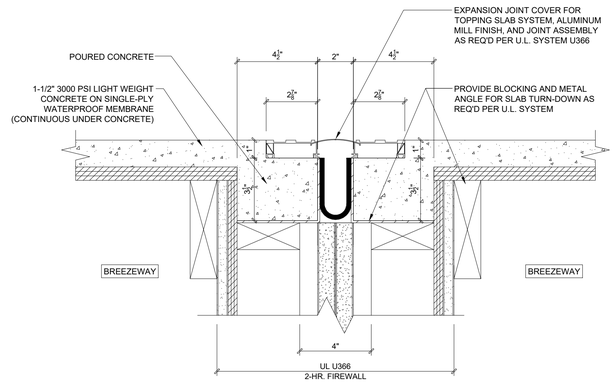
1 ENLARGED PLAN VIEW AT FIREWALL/BREEZEWAY INTERSECTION

NTS



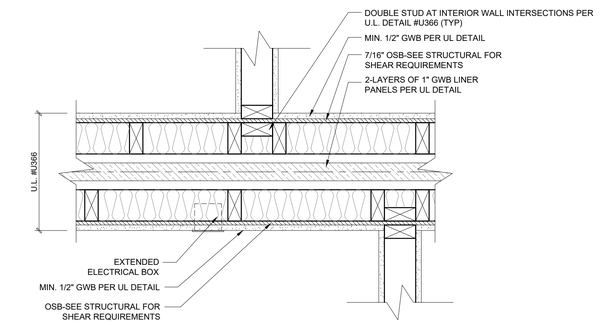
2 PLAN SECTION AT 2HR FIREWALL DOOR HEAD

Scale: 1" = 1'-0"



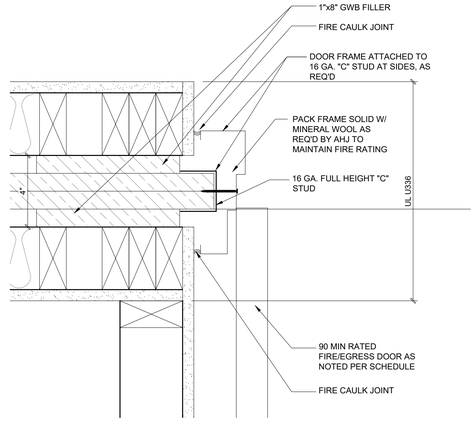
3 FLOOR DETAIL AT FIREWALL

Scale: 3" = 1'-0"



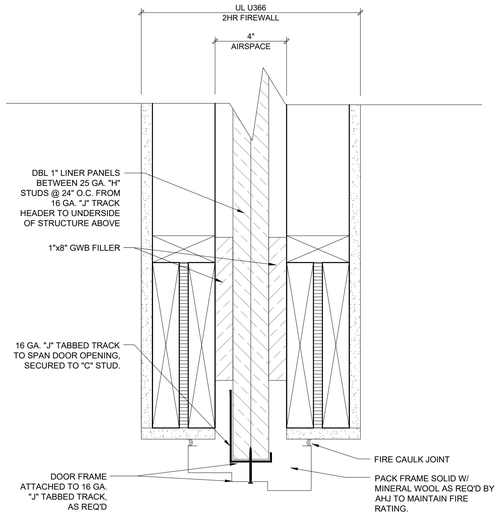
4 PLAN SECTION AT 2-HOUR FIRE WALL / UNIT WALL

Scale: 1-1/2" = 1'-0"



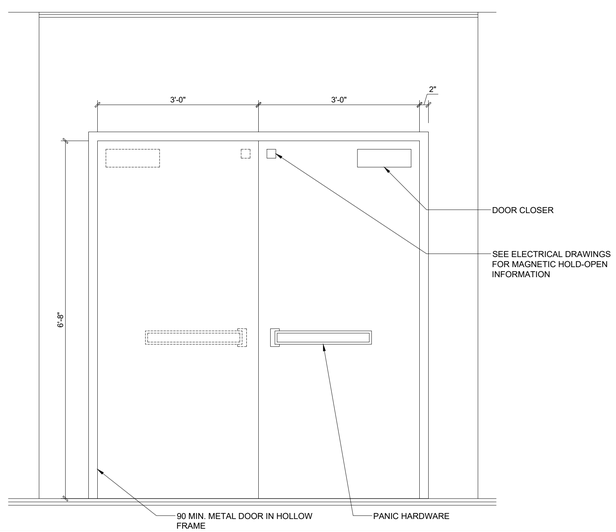
5 ENLARGED 2HR FIREWALL DOOR JAMB

Scale: 3" = 1'-0"



6 ENLARGED 2HR FIREWALL DOOR HEAD

Scale: 3" = 1'-0"



7 FIRE DOOR ELEVATION

Scale: 3/4" = 1'-0"

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PROJECT NO: 010819
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SHEET TITLE:
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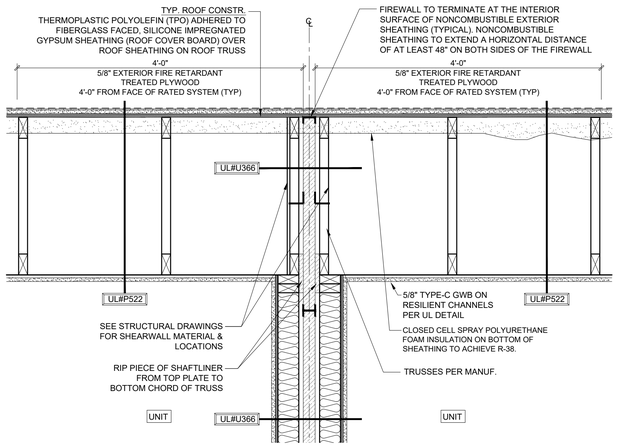
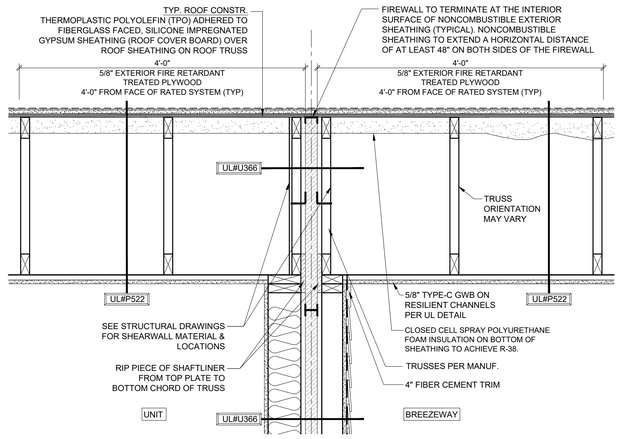
SHEET NUMBER:
A1.63



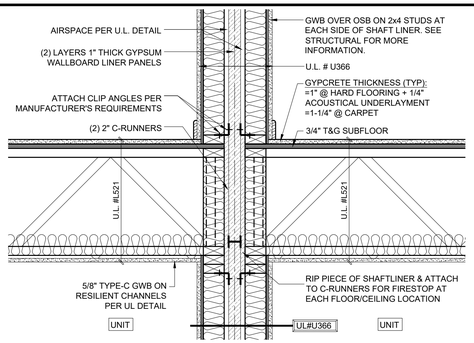
1 TOP OF 2-HOUR FIREWALL (PARTY WALL)

Scale: 1" = 1'-0"



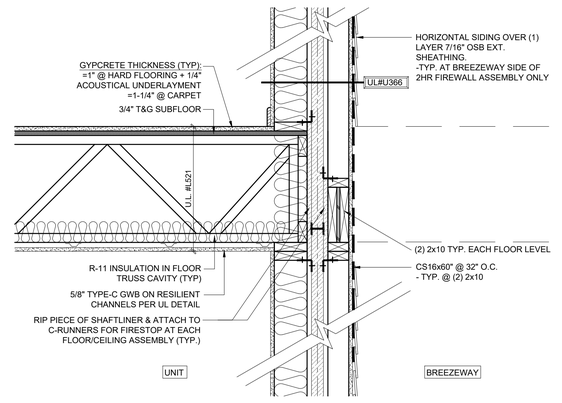
2 TOP OF 2-HOUR FIREWALL (BREEZEWAY)

Scale: 1" = 1'-0"



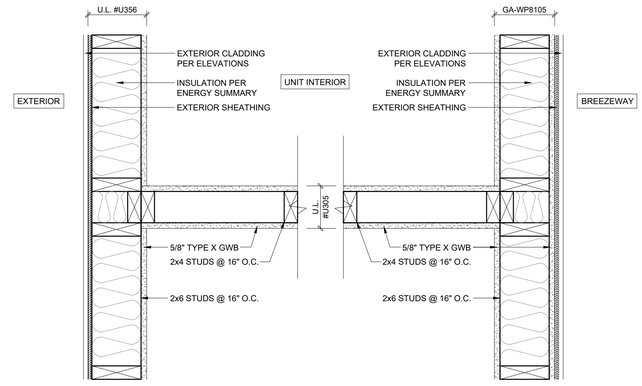
3 FIREWALL FLOOR/CEILING DETAIL (PARTY WALL)

Scale: 1" = 1'-0"



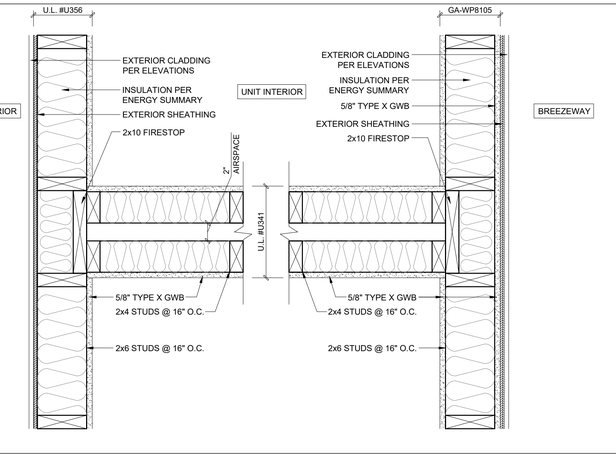
4 FIREWALL FLOOR/CEILING DETAIL (BREEZEWAY)

Scale: 1" = 1'-0"



5 ENLARGED PLAN VIEW DETAIL

Scale: 1-1/2" = 1'-0"

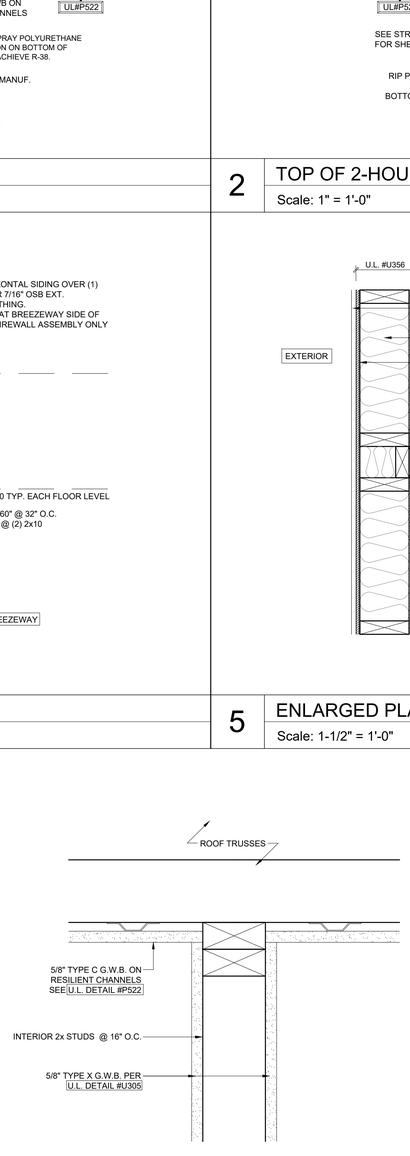


6 ENLARGED PLAN VIEW DETAIL

Scale: 1-1/2" = 1'-0"

7 ENLARGED PLAN VIEW DETAIL

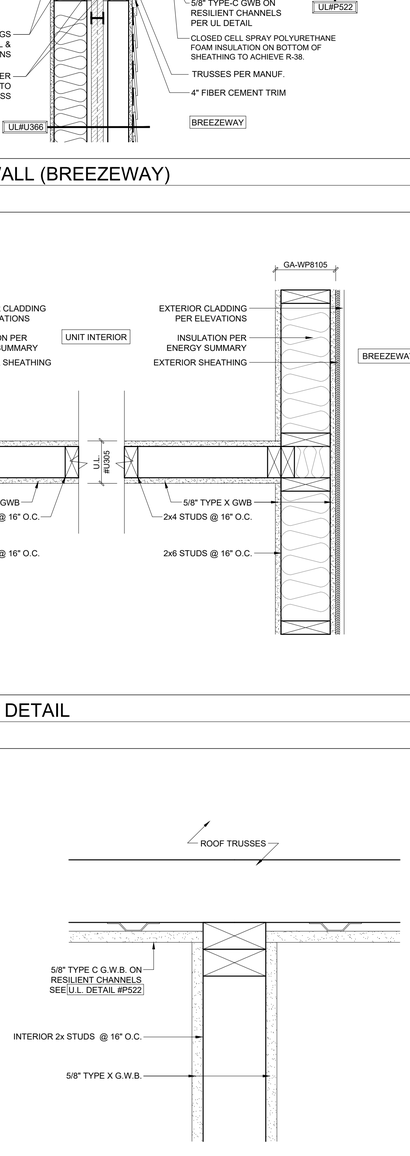
Scale: 1-1/2" = 1'-0"



BEARING

8 ENLARGED DETAIL AT TOP FLOOR

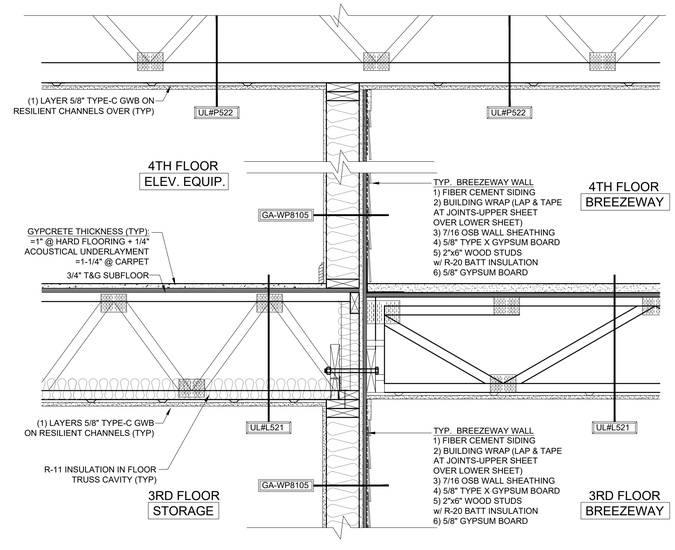
Scale: 3" = 1'-0" ROOF TO WALL INTERSECTIONS



NON-BEARING

9 ENLARGED DETAIL AT TOP FLOOR

Scale: 3" = 1'-0" ROOF TO WALL INTERSECTIONS



10 ENLARGED DETAILS @ BREEZEWAY CONNECTION (ELEV. EQUIP. ROOM)

Scale: 1" = 1'-0"

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PROGRESS DATE: 11-24-21 (99% Set)
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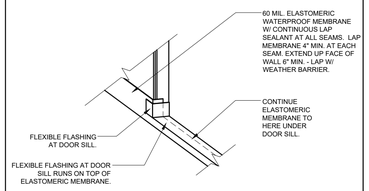
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE: Enlarged Details

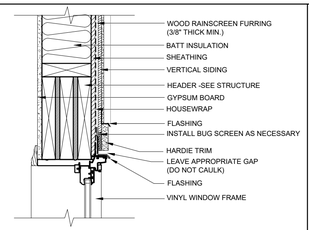
SHEET NUMBER: A1.64



1 EXT. DOOR SILL FLASHING

SCALE: 1-1/2" = 1'-0"

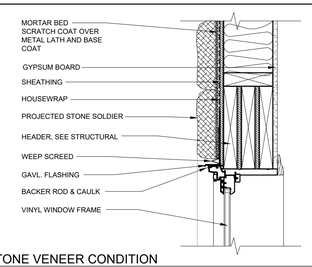
6 NOT USED



FIBER CEMENT VERTICAL SIDING CONDITION
(BASIS OF DESIGN: HARDIE)

10 EXTERIOR WINDOW HEADER

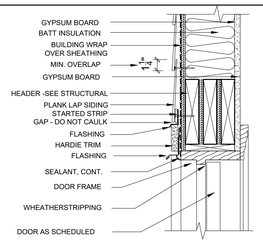
SCALE: 1-1/2" = 1'-0"



STONE VENEER CONDITION

14 EXTERIOR WINDOW HEADER

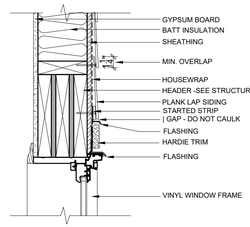
SCALE: 1-1/2" = 1'-0"



FIBER CEMENT LAP SIDING CONDITION

17 EXTERIOR DOOR HEADER

SCALE: 1-1/2" = 1'-0"



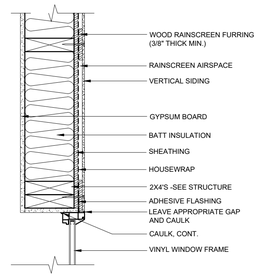
FIBER CEMENT LAP SIDING CONDITION

20 EXTERIOR WINDOW HEADER

SCALE: 1-1/2" = 1'-0"

2 NOT USED

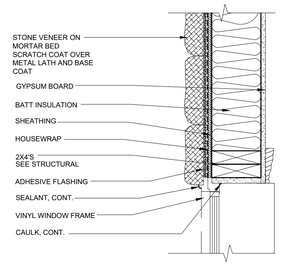
7 NOT USED



FIBER CEMENT VERTICAL SIDING CONDITION
(BASIS OF DESIGN: HARDIE)

11 EXTERIOR WINDOW JAMB

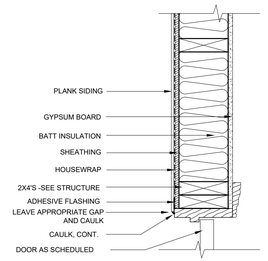
SCALE: 1-1/2" = 1'-0"



STONE VENEER CONDITION

15 EXTERIOR WINDOW JAMB

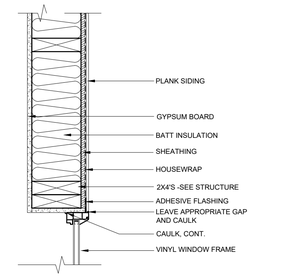
SCALE: 1-1/2" = 1'-0"



FIBER CEMENT LAP SIDING CONDITION

18 EXTERIOR DOOR JAMB

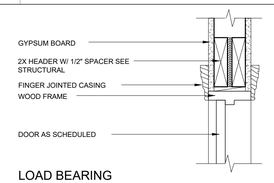
SCALE: 1-1/2" = 1'-0"



FIBER CEMENT LAP SIDING CONDITION

21 EXTERIOR WINDOW JAMB

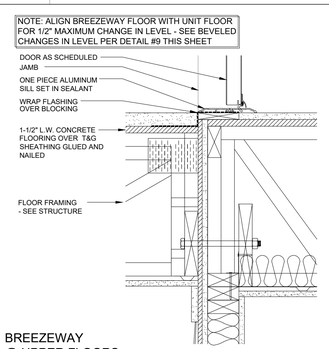
SCALE: 1-1/2" = 1'-0"



LOAD BEARING

3 INTERIOR DOOR HEADER

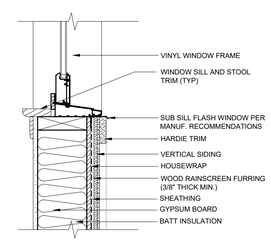
SCALE: 1-1/2" = 1'-0"



BREEZEWAY
@ UPPER FLOORS

8 EXTERIOR DOOR SILL

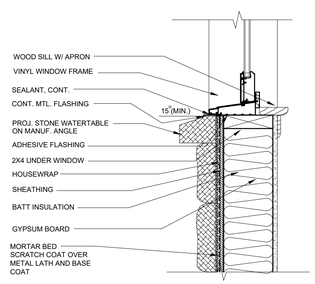
SCALE: 1-1/2" = 1'-0"



FIBER CEMENT VERTICAL SIDING CONDITION
(BASIS OF DESIGN: HARDIE)

12 EXTERIOR WINDOW SILL

SCALE: 1-1/2" = 1'-0"

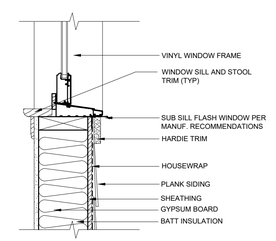


STONE VENEER CONDITION

16 EXTERIOR WINDOW SILL

SCALE: 1-1/2" = 1'-0"

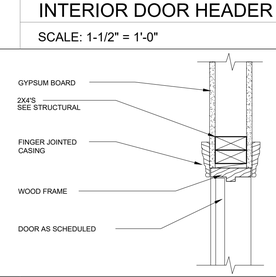
19 NOT USED



HARDIEPLANK LAP SIDING CONDITION

22 EXTERIOR WINDOW SILL

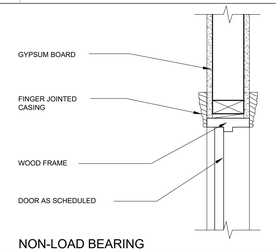
SCALE: 1-1/2" = 1'-0"



NON-LOAD BEARING

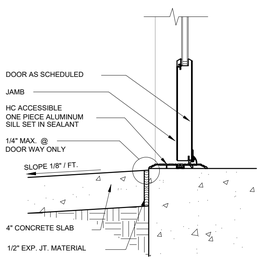
4 INTERIOR DOOR HEADER

SCALE: 1-1/2" = 1'-0"

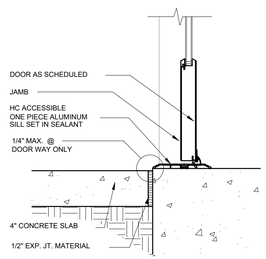


5 INTERIOR DOOR JAMB

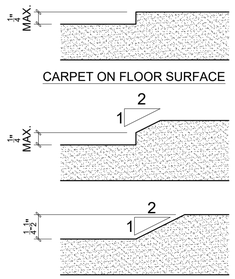
SCALE: 1-1/2" = 1'-0"



AT UNIT PATIO DOOR



AT GROUND UNIT ENTRY DOOR

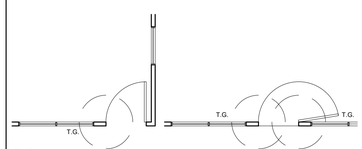


BEVELED CHANGES
IN LEVEL

9 EXTERIOR DOOR SILL

SCALE: 1-1/2" = 1'-0"

REFER TO FLOOR PLANS FOR TEMPERED GLASS LOCATIONS



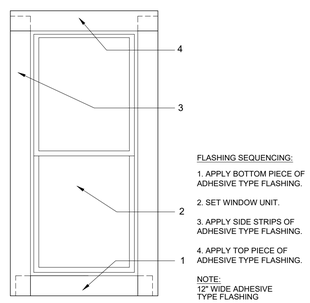
T.G. INDICATES TEMPERED GLASS AT SOME LOCATIONS SEE DIAGRAM

NOTE:

ALL WINDOWS WITHIN A 2'-0" RADIUS OF A DOOR IN THE SAME WALL SHALL HAVE TEMPERED GLAZING TO A HEIGHT OF 5'-0" ABOVE FINISHED FLOOR.

- TEMPERED GLASS DETAIL

NO SCALE



FLASHING SEQUENCING:

1. APPLY BOTTOM PIECE OF ADHESIVE TYPE FLASHING.
2. SET WINDOW UNIT.
3. APPLY SIDE STRIPS OF ADHESIVE TYPE FLASHING.
4. APPLY TOP PIECE OF ADHESIVE TYPE FLASHING.

NOTE:
12" WIDE ADHESIVE TYPE FLASHING

- ADHESIVE FLASHING DTL.

NO SCALE

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Zimmer Development Company
Fort Meyers, Florida
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PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE:

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
-			

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Door & Window Details

SHEET NUMBER:
A1.45

2 ENLARGED ELEVATOR PLAN

Scale: 1/2" = 1'-0"

3 ENLARGED DETAIL @ HOISTBEAM CONNECTION

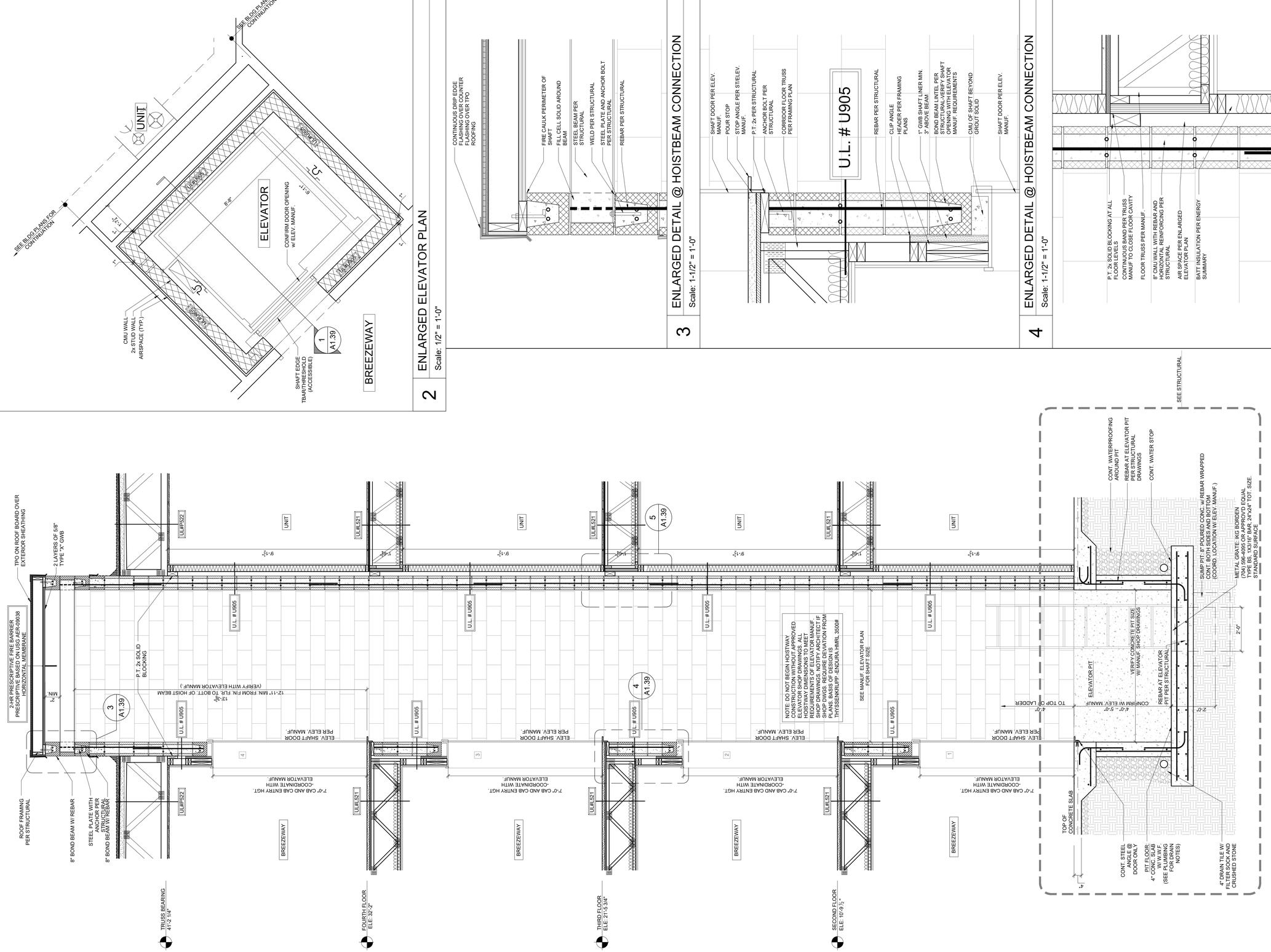
Scale: 1-1/2" = 1'-0"

4 ENLARGED DETAIL @ HOISTBEAM CONNECTION

Scale: 1-1/2" = 1'-0"

5 ENLARGED DETAIL @ HOISTBEAM CONNECTION

Scale: 1-1/2" = 1'-0"



1 ELEVATOR SECTION

Scale: 1/2" = 1'-0"

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PROJECT NO: 010819
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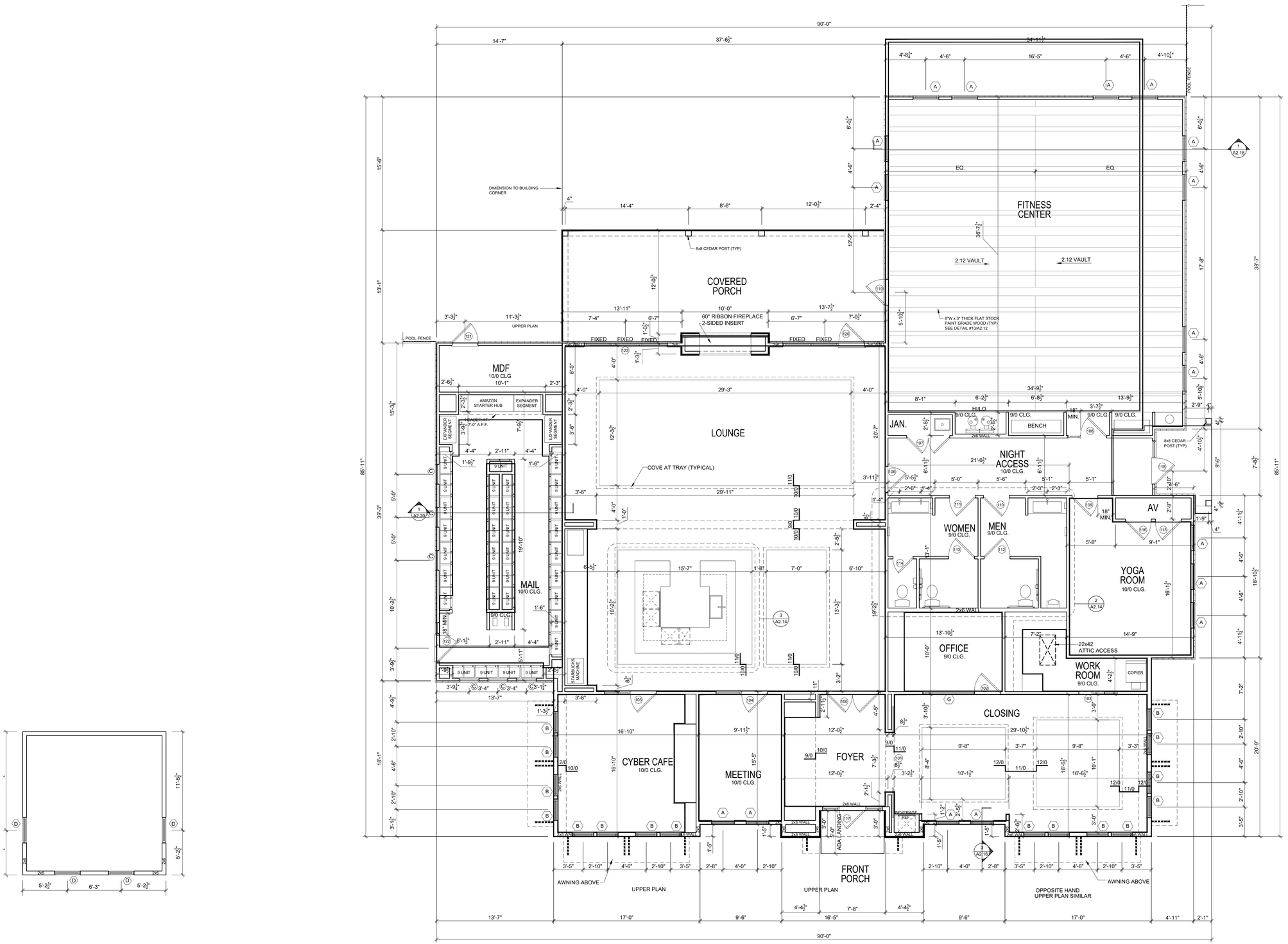
SHEET TITLE:
Elevator Section & Details

SHEET NUMBER:
A1.66



PARTIAL UPPER PLAN AT ENTRY — 2
Scale: 3/16" = 1'-0"

CLUBHOUSE - FLOOR PLAN — 1
Scale: 3/16" = 1'-0"

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REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Clubhouse Floor Plan
SHEET NUMBER: A2.10

NOTE:
1. MAXIMUM ATTIC AREA BETWEEN DRAFT STOPS = 3,000 SF

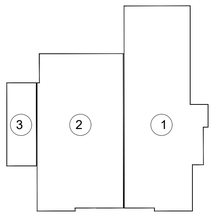
2. ////////////////// = DRAFTSTOPPING TO BE MIN. 1/2" GYP BOARD OR O.S.B.

3. DS = 3"x4" DOWNSPOUTS (5" GUTTERS)

4. WHERE RIDGE VENTS ARE INDICATED AT OVER FRAMED DORMERS, PROVIDE A MIN. 22X36 ACCESS OPENING IN MAIN ROOF SHEATHING WHERE APPLICABLE

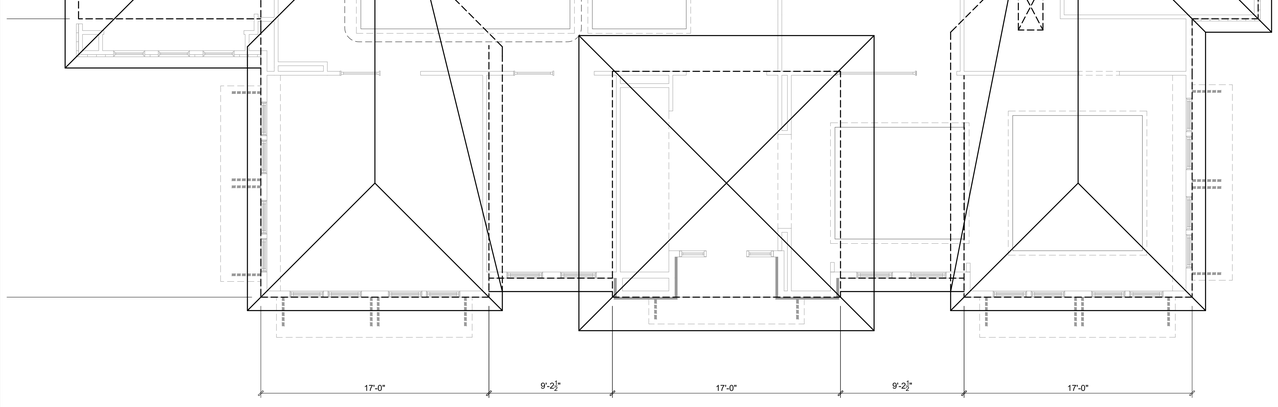
5. — · — · — = APPROXIMATE LOCATIONS OF SOFFIT & RIDGE VENT REQUIRED TO BALANCE NET FREE VENTILATING AREA. SEE ROOF VENTILATION CALCULATIONS. VERIFY LOCATIONS AND EXTENT OF RIDGE & SOFFIT VENT IN FIELD (TYP).

ROOF PLAN VENT CALCULATIONS



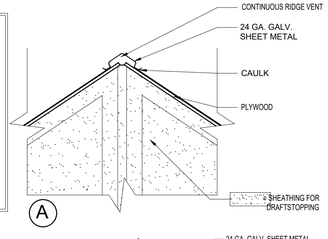
AREA NUMBER	AREA OF SPACE VENTILATED	NET FREE VENTILATING AREA REQUIRED	CONTINUOUS SOFFIT VENT: FREE AREA	# OF LOW GRAVITY VENTS (SUPPLEMENTAL SOFFIT VENTS)	LOW GRAVITY VENT NET FREE AREA	RIDGE VENT: NET FREE VENTILATING AREA	# OF HIGH GRAVITY VENTS (SUPPLEMENTAL ROOF VENTS)	HIGH GRAVITY VENT NET FREE AREA	TOTAL NET FREE VENTILATING AREA PROVIDED
1	2924	9.75	4.91	0	0	4.88	0	0	9.79
2	2670	8.90	4.54	0	0	4.38	0	0	8.91
3	492	1.64	0.88	0	0	0.88	0	0	1.76

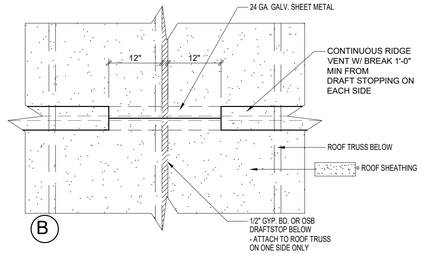
NOTES:
1. CONTINOUS SOFFIT VENT EQUAL TO 9 SQ. IN. PER FT. (.063 SQFT.)
2. LOW GRAVITY VENT EQUAL TO 56 SQ. IN. PER VENT. (.38 SQFT.)
3. HIGH GRAVITY VENT EQUAL TO 140 SQ. IN. PER VENT. (.972 SQFT.)
4. HIGH RIDGE VENT EQUAL TO 18 SQ. IN. PER VENT. (.125 SQFT.)



CLUBHOUSE - ROOF PLAN
Scale: 3/16" = 1'-0"
1

NOTES:
1-DRAFTSTOPPING TO BE MIN. 1/2" GYPSUM BOARD, 3/8" WOOD STRUCTURAL PANEL, 3/8" PARTICLE BOARD OR OTHER APPROVED MATERIALS PER LOCAL BUILDING CODE
2-DRAFT STOPPING IS TO CONTINUE TO UNDERSIDE OF ROOF SHEATHING
3-IF SHEAR WALL AND DRAFTSTOP OCCUR AT THE SAME PLACE, USE 7/16" OSB (ONLY ONE SIDE)





DRAFTSTOPPING DETAIL
Scale: 3/4" = 1'-0"
2

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REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Clubhouse Roof Plan
SHEET NUMBER: A2.11

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ELEVATION GENERAL NOTES

ROOFS

*USE ICE AND WATER SHIELD AT ALL ROOF PLANES SLOPED BELOW 4:12.

ROOF VENTILATION

SEE ROOF PLANS FOR ATTIC VENTILATION CALCULATION REQUIREMENTS.

ARCHITECTURAL PLANS

EXTERIOR MATERIALS

= SHINGLE ROOF PER BUILDER

= STANDING SEAM METAL ROOF PER BUILDER

= FIBER CEMENT SIDING PER BUILDER

= FIBER CEMENT REVEAL PANELS

= STONE PER BUILDER

= STONE SILL PER BUILDER

CLUBHOUSE - FRONT ELEVATION

Scale: 1/4" = 1'-0"

1

CLUBHOUSE - RIGHT SIDE ELEVATION

Scale: 1/4" = 1'-0"

2

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ISSUE DATE:				
-				

PROJECT NO: 010819

DRAWN BY: CL/AM

CHECKED BY:

SHEET TITLE:

Clubhouse
Exterior Elevations

SHEET NUMBER:

A2.12

ELEVATION GENERAL NOTES

ROOFS

* USE ICE AND WATER SHIELD AT ALL ROOF PLANES SLOPED BELOW 4:12.

ROOF VENTILATION

SEE ROOF PLANS FOR ATTIC VENTILATION CALCULATION REQUIREMENTS.

ARCHITECTURAL PLANS

EXTERIOR MATERIALS

= SHINGLE ROOF PER BUILDER

= STANDING SEAM METAL ROOF PER BUILDER

= FIBER CEMENT SIDING PER BUILDER

= FIBER CEMENT REVEAL PANELS

= STONE PER BUILDER

= STONE SILL PER BUILDER

CLUBHOUSE - REAR ELEVATION

Scale: 1/4" = 1'-0"

1

CLUBHOUSE - LEFT SIDE ELEVATION

Scale: 1/4" = 1'-0"

2

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PRELIMINARY NOT FOR CONSTRUCTION

Inspiration at Southpoint Apartments

Zimmer Development Company

Fort Meyers, Florida

-

PROGRESS DATE: 11-24-21 (99% Set)

ISSUE DATE: -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819

DRAWN BY: CL/AM

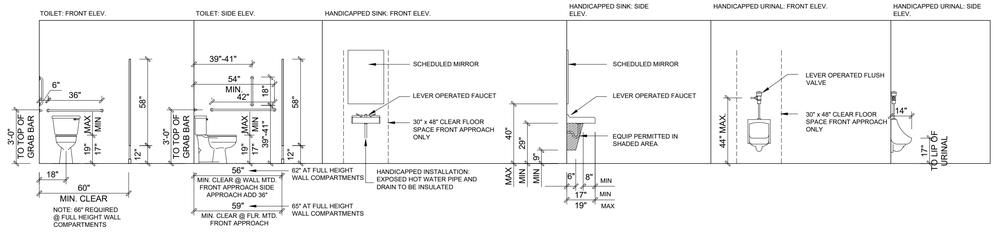
CHECKED BY:

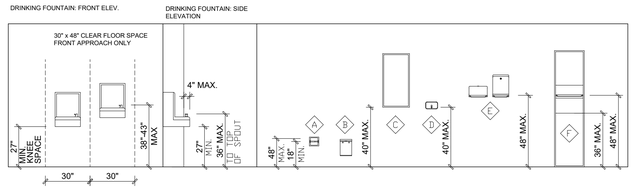
SHEET TITLE:

Clubhouse
Exterior Elevations

SHEET NUMBER:

A2.13





RESTROOM FIXTURE LEGEND

A. TOILET PAPER HOLDER

B. SANITARY NAPKIN/TAMPON DISPOSAL

C. MIRROR

D. SOAP DISPENSER

E. PAPER TOWEL DISPENSER

F. PAPER TOWEL DISPENSER/ WASTE RECEPTACLE

FLOOR CLEARANCES

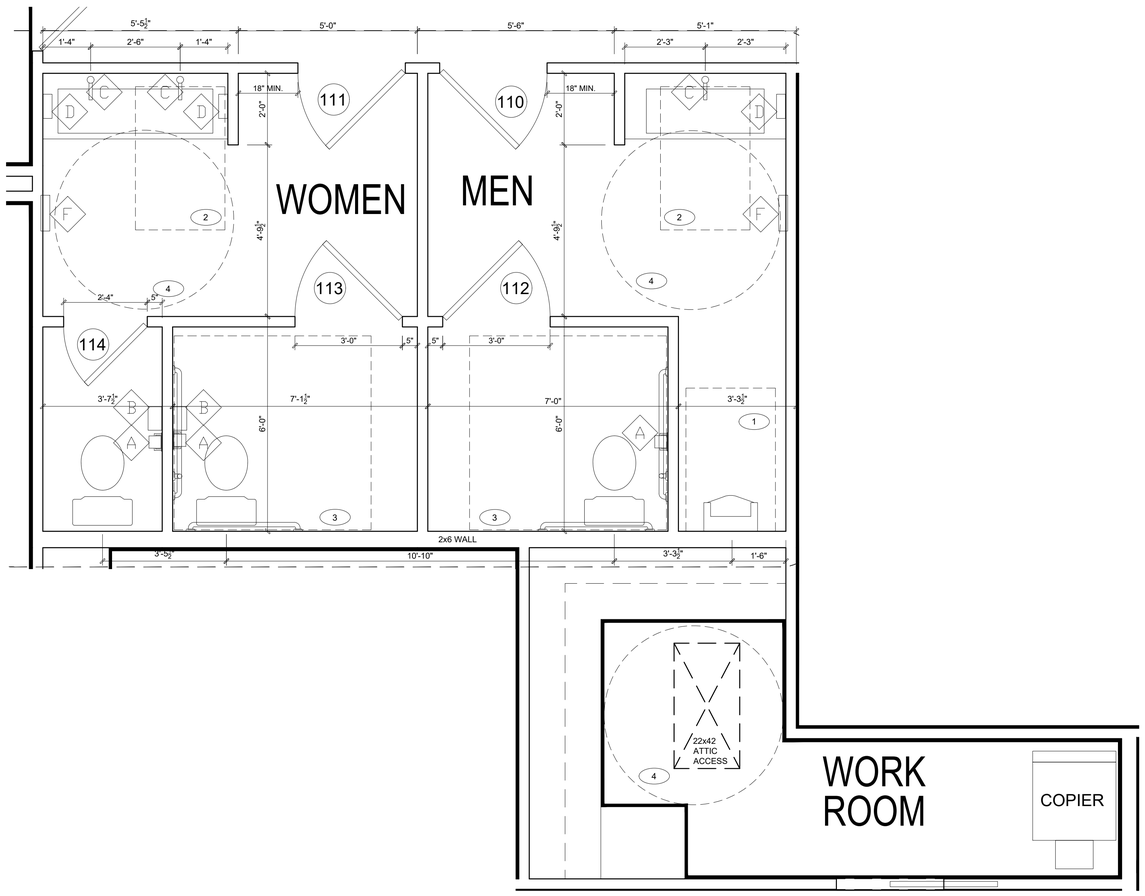
1. ROOM CLEAR FLOOR SPACE 30"X 48"
2. LAVATORY CLEAR FLOOR SPACE 30"X 48"
3. FLOOR MOUNTED WATER CLOSET 66"X 65" (FULL WALL HEIGHT COMPARTMENTS)
4. 60" TURNING RADIUS

WALLS AND PARTITIONS WITHIN 2 FEET OF URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF 4 FEET ABOVE THE FLOOR, AND EXPECT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE

RESTROOM FIXTURE LEGEND

Scale: 1/4" = 1'-0"

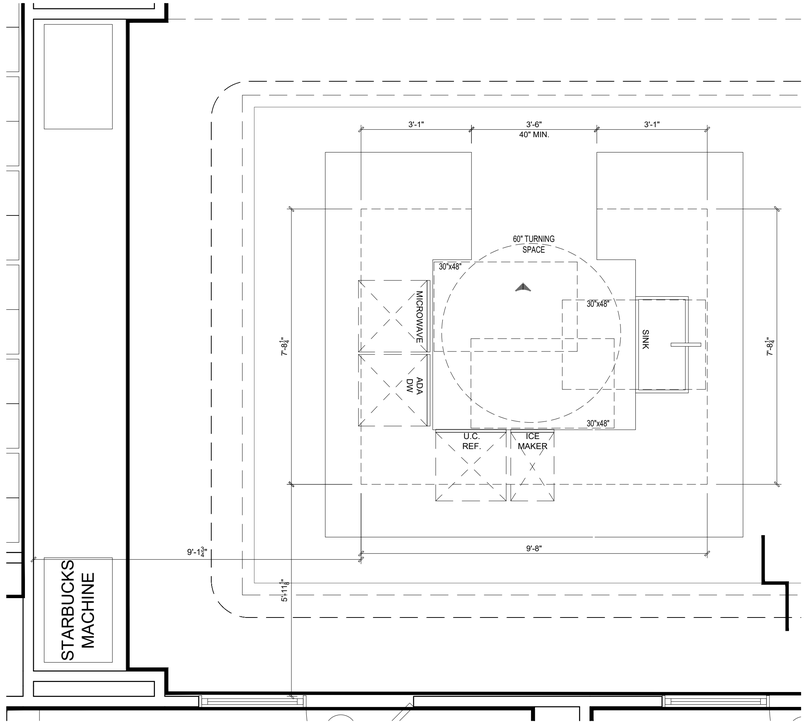
1



ENLARGED CLUBHOUSE BATHROOM & WORKROOM PLAN

Scale: 1/2" = 1'-0"

2



ENLARGED CLUB ISLAND PLAN

Scale: 1/2" = 1'-0"

3

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Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
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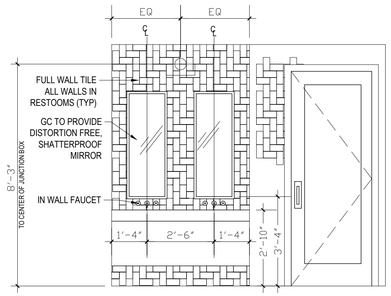
PROGRESS DATE:	11-24-21 (99% Set)
ISSUE DATE:	-

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

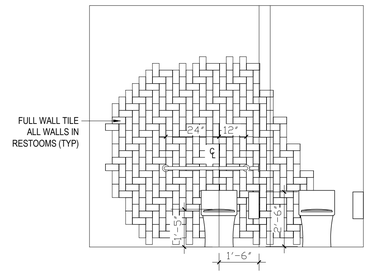
SHEET TITLE:
Clubhouse Enlarged Plans

SHEET NUMBER:
A2.14



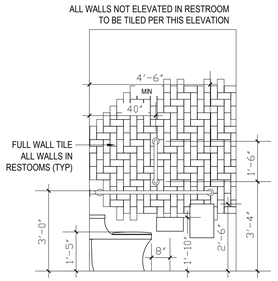
CLUB RESTROOM 1

Scale: 3/8" = 1'-0"



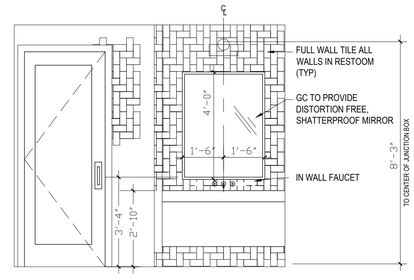
CLUB RESTROOM 2

Scale: 3/8" = 1'-0"



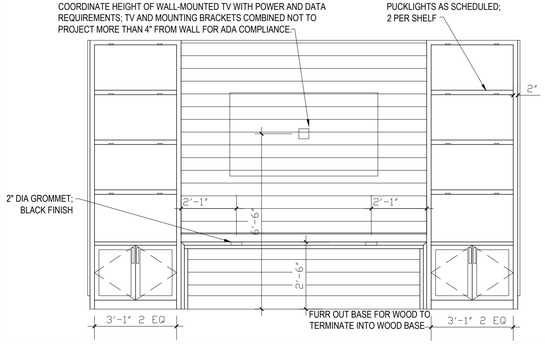
CLUB RESTROOM 3

Scale: 3/8" = 1'-0"



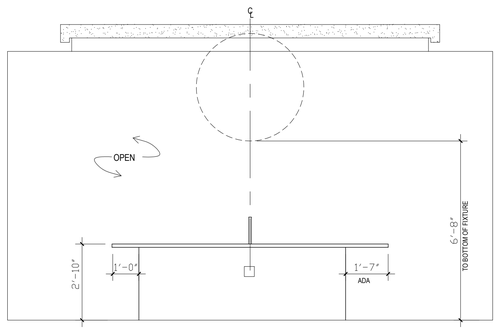
CLUB RESTROOM 4

Scale: 3/8" = 1'-0"



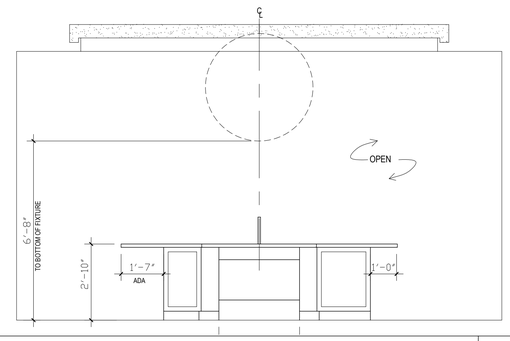
CYBER CAFE PLAN EAST ELEVATION 5

Scale: 3/8" = 1'-0"



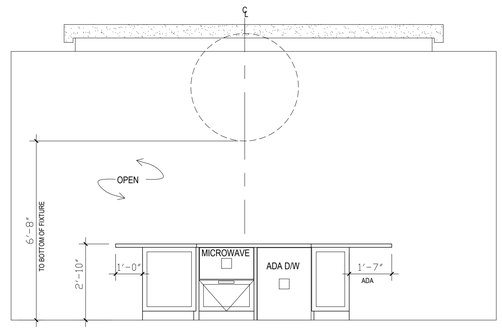
CLUB ISLAND 6

Scale: 3/8" = 1'-0"



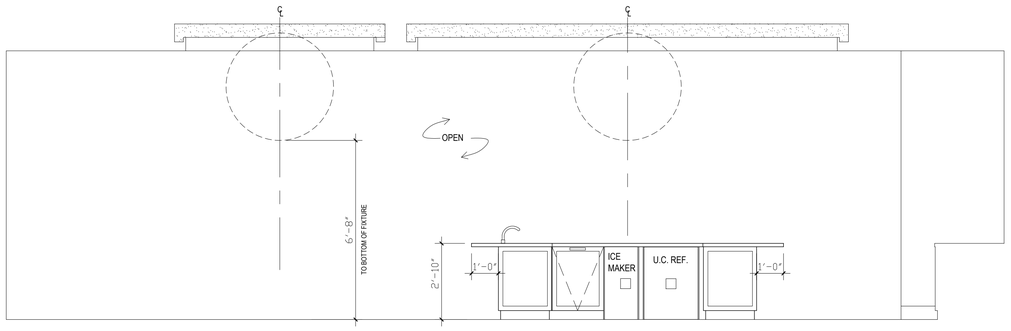
CLUB ISLAND 7

Scale: 3/8" = 1'-0"



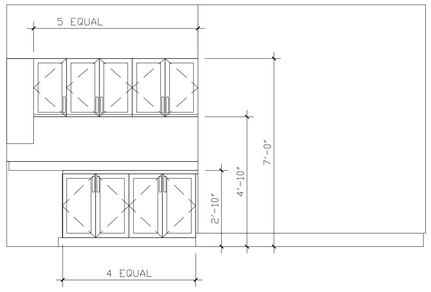
CLUB ISLAND 8

Scale: 3/8" = 1'-0"



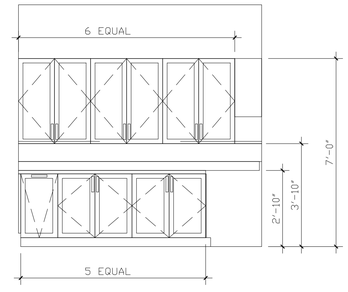
CLUB ISLAND 9

Scale: 3/8" = 1'-0"



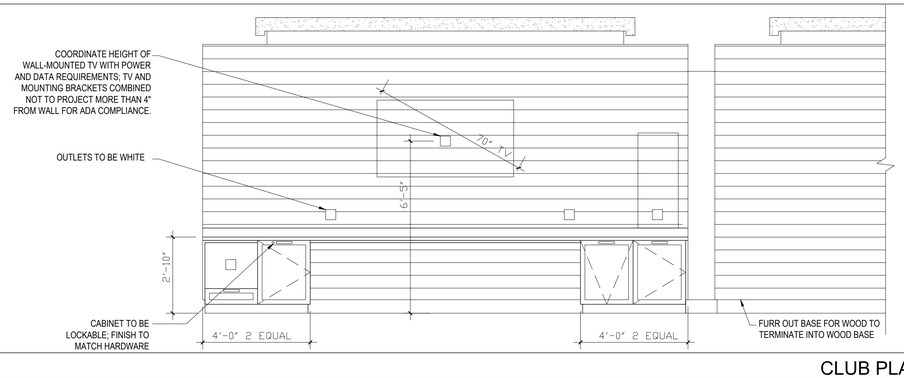
WORK ROOM 10

Scale: 3/8" = 1'-0"



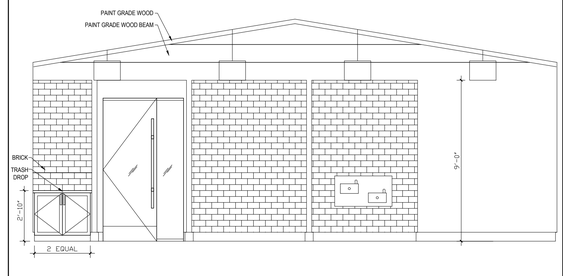
WORK ROOM 11

Scale: 3/8" = 1'-0"



CLUB PLAN WEST 12

Scale: 3/8" = 1'-0"



FITNESS ROOM 13

Scale: 1/4" = 1'-0"

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Zimmer Development Company
Fort Meyers, Florida
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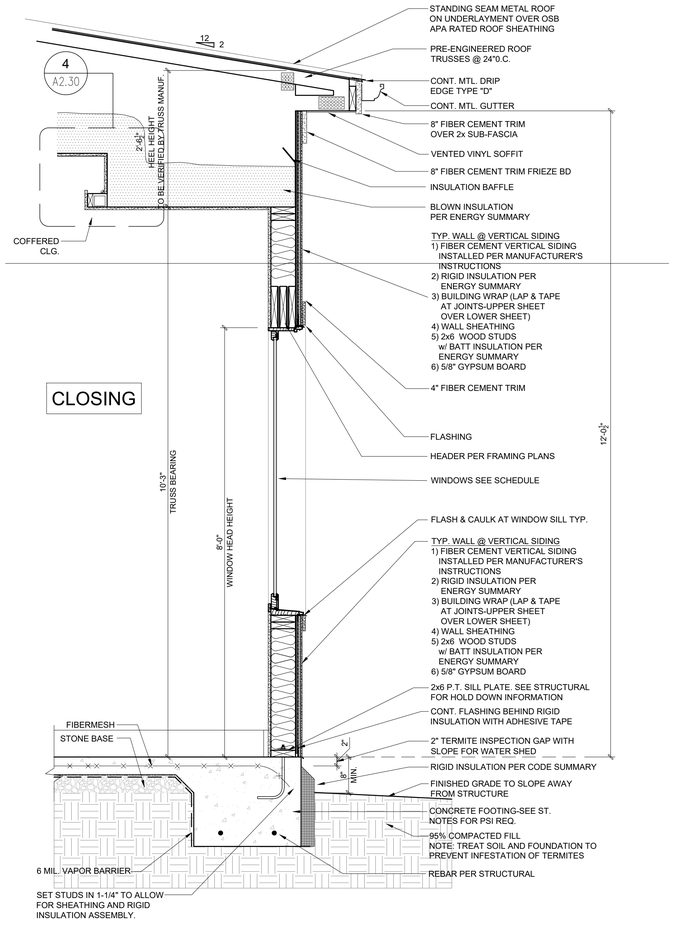
PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Clubhouse
Interior Elevations

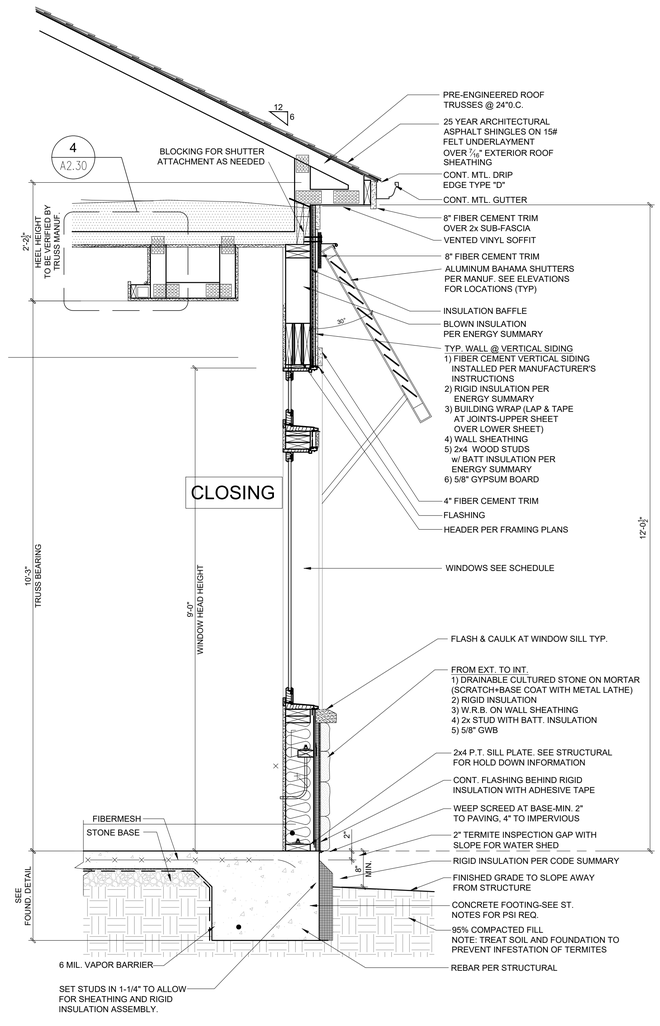
SHEET NUMBER:
A2.15



EXTERIOR WALL SECTION - CLOSING

Scale: 3/4" = 1'-0"

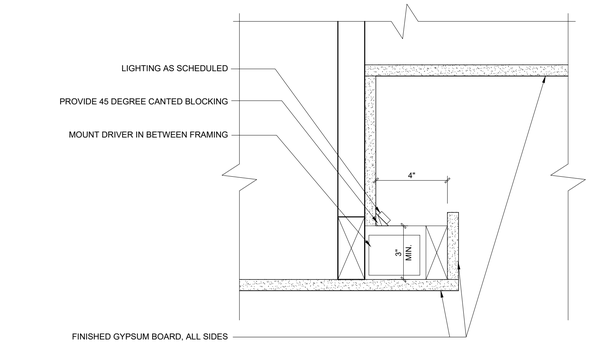
3



EXTERIOR WALL SECTION - CLOSING

Scale: 3/4" = 1'-0"

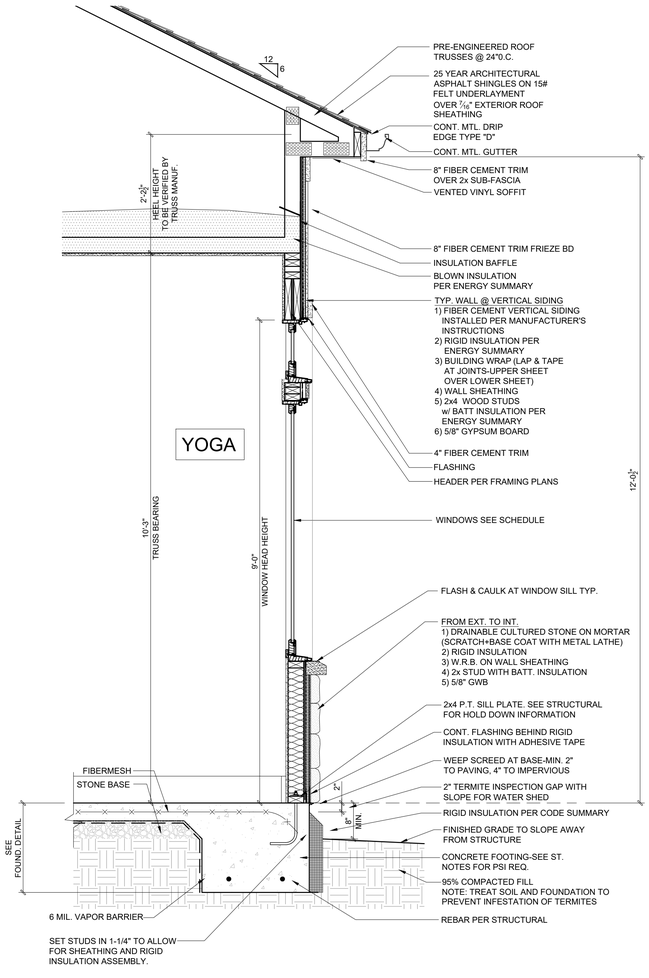
2



COVE LIGHT DETAIL

Scale: 3" = 1'-0"

4



EXTERIOR WALL SECTION - YOGA

Scale: 3/4" = 1'-0"

1

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Zimmer Development Company
Fort Meyers, Florida
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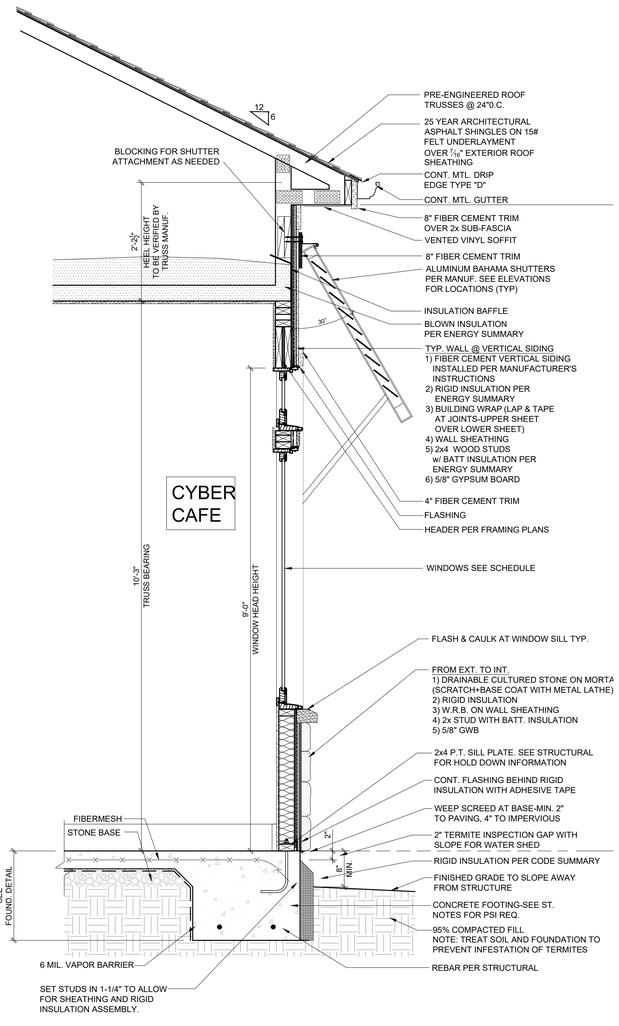
PROGRESS DATE:	11-24-21 (99% Set)
ISSUE DATE:	-

REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Clubhouse
Wall Sections

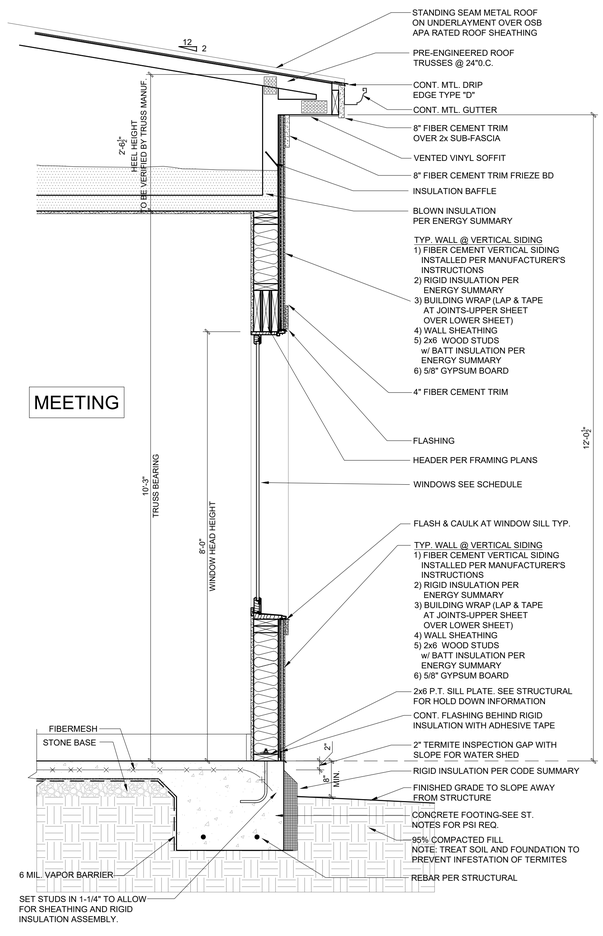
SHEET NUMBER:
A2.16



EXTERIOR WALL SECTION - CYBER CAFE

Scale: 3/4" = 1'-0"

6



EXTERIOR WALL SECTION - MEETING

Scale: 3/4" = 1'-0"

5

NOT USED

Scale: 3/4" = 1'-0"

4

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PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Clubhouse
Wall Sections

SHEET NUMBER:
A2.17

SECTION AT FITNESS

Scale: 3/4" = 1'-0"

1

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Fort Meyers, Florida
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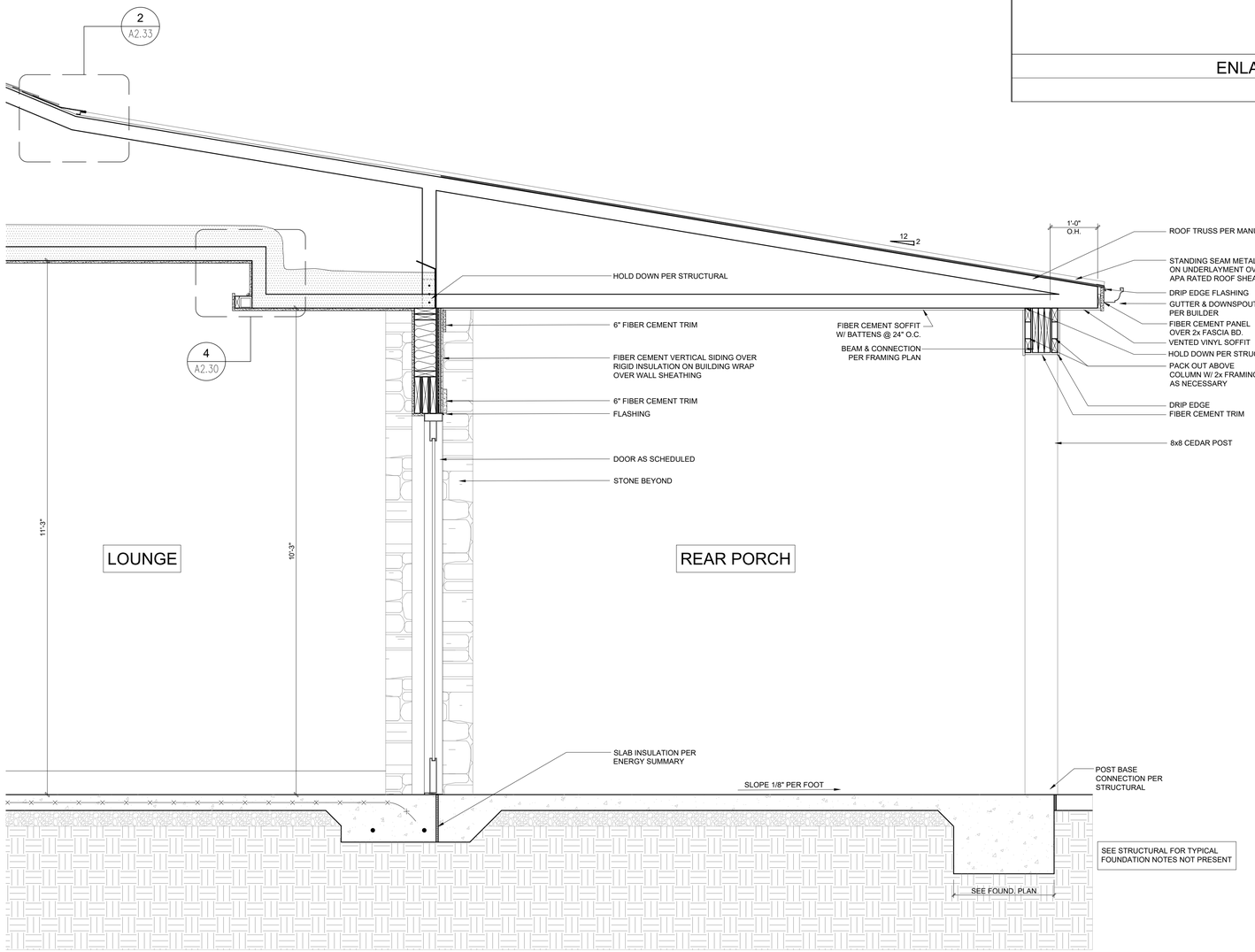
PROGRESS DATE:	11-24-21 (99% Set)
ISSUE DATE:	

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
-			

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Clubhouse
Wall Sections

SHEET NUMBER:
A2.18

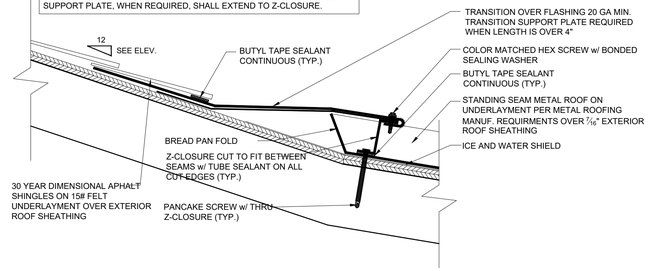


SECTION AT REAR PORCH

Scale: 3/4" = 1'-0"

1

NOTE:
1) COORDINATE w/ OTHER ROOFING TYPE MANUFACTURER ON TRANSITION MEANS & METHODS TO PROTECT PRODUCT WARRANTY.
2) TRANSITION FLASHING SHALL HAVE 6" MIN. OVERLAP w/ 2 ROWS OF BUTYL TAPE SEALANT FASTENED w/ COLOR MATCHED HEX SCREWS w/ BONDED SEALING WASHER PER PROJECT REQUIREMENTS. TRANSITION SUPPORT PLATE, WHEN REQUIRED, SHALL EXTEND TO Z-CLOSURE.



ENLARGED DETAIL AT METAL ROOF TO SHINGLE

Scale: 3/4" = 1'-0"

2

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Fort Meyers, Florida
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PROGRESS DATE:	ISSUE DATE:	REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
11-24-21 (99% Set)	-				

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Clubhouse
Wall Sections

SHEET NUMBER:
A2.19

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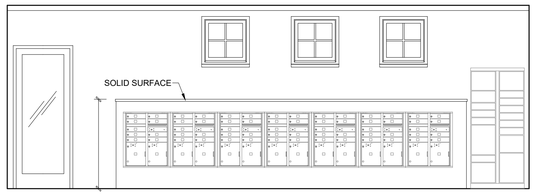
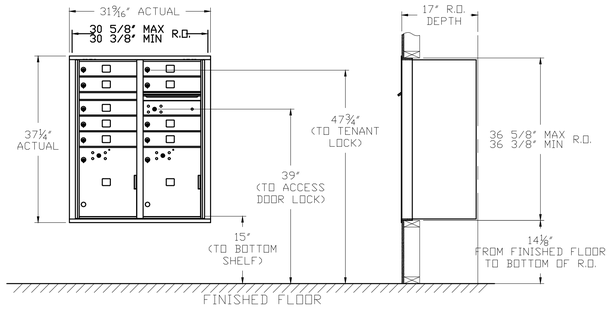


MAILROOM ELEVATION — 4
Scale: 1/4" = 1'-0"

versatile™ 4C Mailbox 4CADD-09



COMPARTMENT CHART

DESCRIPTION	COMPARTMENT	COMPARTMENT SIZE	QTY.
MAILBOX	MB1	3" H x 12" W x 15" D	9
OUTGOING MAIL	OM1	3" H x 12" W x 15" D	1
PARCEL	PL1S	15" H x 12" W x 15" D	2

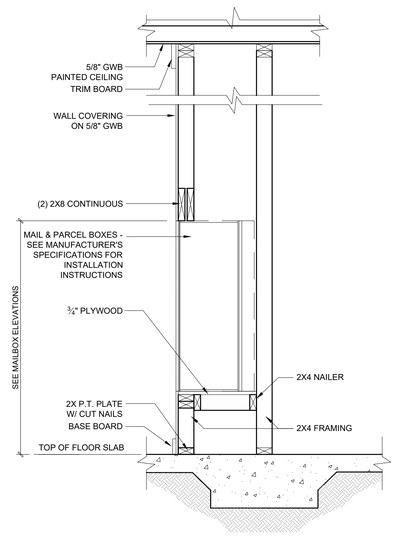
Notes:
1. This module meets the USPS STD-4C requirements for installation defined below when the mailbox is installed per the dimensions provided on this drawing.
   a. At least one customer compartment shall be positioned less then 48" above finished floor (AFF).
   b. No parcel locker (interior bottom shelf) shall be positioned less than 15" AFF.
   c. No patron (tenant) lock shall be positioned more than 67" AFF.
   d. No customer compartment (interior bottom shelf) shall be positioned less than 28" AFF.
   e. The USPS Arrow lock shall be positioned 36"- 48" AFF.
2. This 4C mailbox can also be used for private applications.
3. The rough opening width for multi-unit 4C installations is provided using the Florence configurator: www.florencemailboxes.com/configurator.

PRODUCT SERIES: VERSATILE™ 4C FRONT LOAD MAILBOX

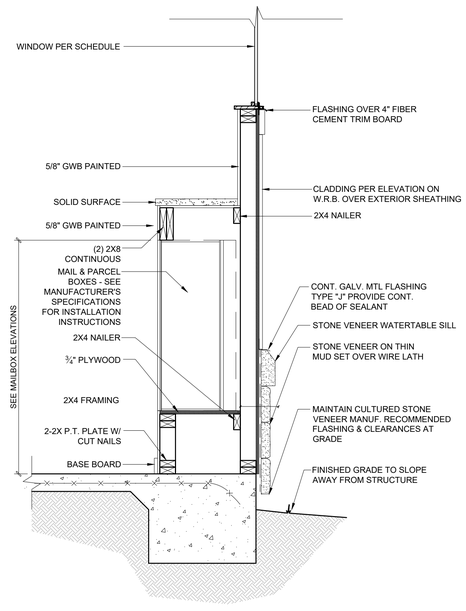
AF FLORENCE manufacturing company
5935 Corporate Drive • Manhattan, KS 66503
www.florencemailboxes.com • (800) 275-1747
A GIBRALTAR INDUSTRIES COMPANY

MODEL	4CADD-09	REV	C
SCALE	NONE	LAST REV. DATE	06/27/19
DRAWING NUMBER	4CADD-09CS	DRAWN BY	RAK

MAILBOX ELEVATIONS — 3
NTS



MAILBOX SECTION — 2
Scale: 3/4" = 1'-0"



MAILBOX SECTION — 1
Scale: 3/4" = 1'-0"

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Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE:	-		
ISSUE DATE:	11-24-21 (99% Set)		
		INITIALS	DESCRIPTION
REVISIONS NUMBER		DATE	

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Clubhouse
Mailbox Details

SHEET NUMBER:
A2.20

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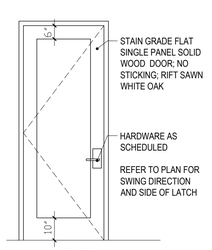
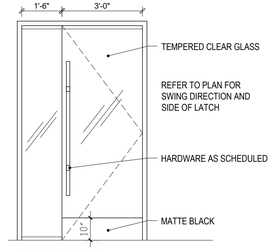
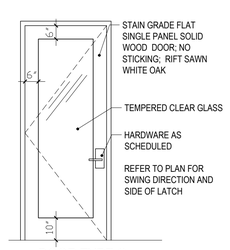


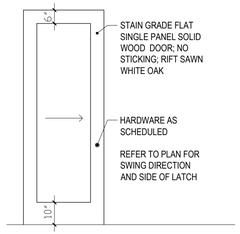
DOOR TYPE A



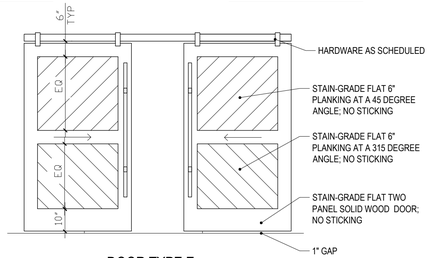
DOOR TYPE B



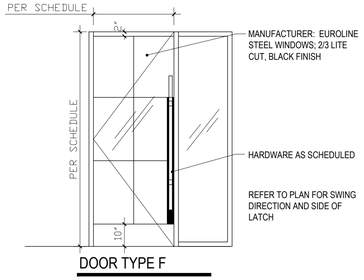
DOOR TYPE C



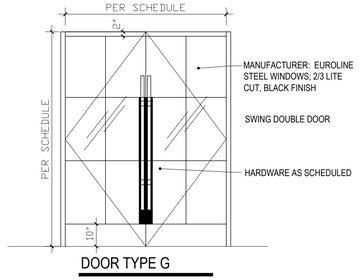
DOOR TYPE D



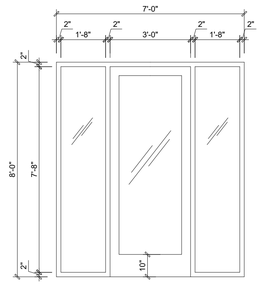
DOOR TYPE E



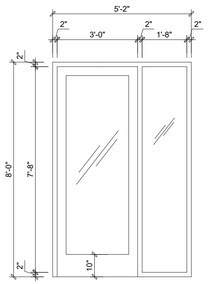
DOOR TYPE F



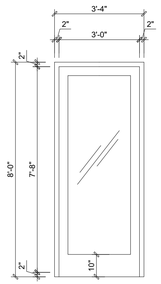
DOOR TYPE G



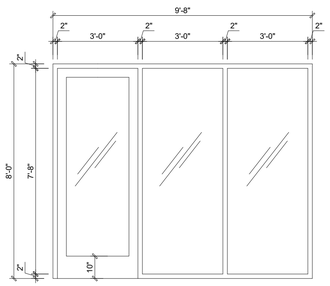
DOOR TYPE H



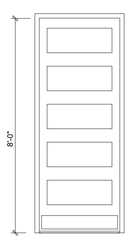
DOOR TYPE J



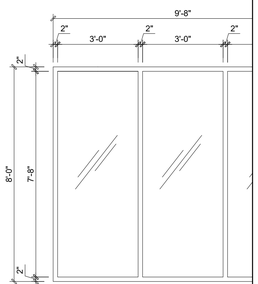
DOOR TYPE K



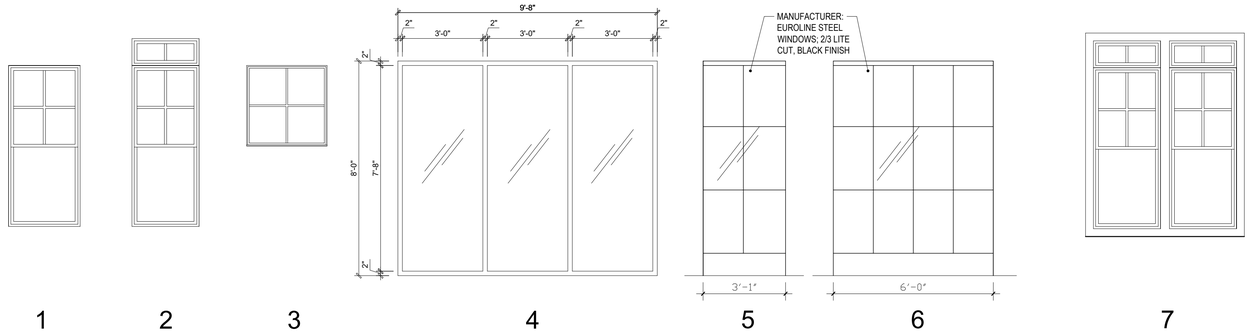
DOOR TYPE L



DOOR TYPE M



DOOR TYPE N



DOOR SCHEDULE - CLUBHOUSE

DOOR TAG	ELEVATION TAG	SIZE	INSUL. METAL DOOR	SOLID WOOD DOOR STAIN GRADE	TEMPERED GLASS	SIDELITE (SEE ELEV.)	FULL LITE (SEE ELEV.)	SELF CLOSING HINGES	KEYED LOCKSET	PASSAGE LATCHSET	PRIVACY LOCKSET	DEAD BOLT	ACCESS CONTROL	FINGER PULL	BARN TRACK	DOOR PULL	DOOR CLOSER	DOOR STOP	PULL HARDWARE	PUSH PLATE	STOREFRONT	WEATHER STRIPPING	H.C. TRESHOLD	REMARKS	LOCATION
100	G	6' X 8'			●			●	●							●		●							FOYER/LOUNGE
101	E	(2) 3'-6" X 9'		●					●					●	●	●									BARN W/ TRACK HINGES	FOYER/CLOSING
102	F	3' X 8'			●	●			●							●		●								OFFICE
103	D	3' X 8'		●										●											POCKET	WORK ROOM
104	F	3' X 8'			●	●			●							●		●								MEETING
105	F	3' X 8'			●	●			●							●		●								CYBER CAFE
106	C	3' X 8'		●	●				●		●					●		●								NIGHT ACCESS HALLWAY
107	A	5' X 8'		●						●															PAIR OF DOORS	JANITOR
108	B	3' X 8'			●	●	●		●		●					●		●								FITNESS
109	C	3' X 8'		●	●				●		●					●		●								YOGA
110	A	3' X 8'		●					●										●	●	●					MEN'S RESTROOM
111	A	3' X 8'		●					●										●	●	●					WOMEN'S RESTROOM
112	A	3' X 8'		●								●							●						2" UNDERCUT	WATER CLOSET
113	A	3' X 8'		●								●							●						2" UNDERCUT	WATER CLOSET
114	A	2'-4" X 8'		●								●													2" UNDERCUT	WATER CLOSET
115	A	3' X 8'		●							●															A/V CLOSET
116	A	3' X 8'		●							●															A/V CLOSET
117	H	3' X 8'				●							●	●				●				●	●	●	MATTE BLACK FINISH FRAME SEE LOW VOLTAGE DWGS BY OTHERS	EXTERIOR FRONT PORCH
118	J	3' X 8'				●								●				●				●	●	●	MATTE BLACK FINISH FRAME SEE LOW VOLTAGE DWGS BY OTHERS	EXTERIOR SIDE PORCH
119	K	3' X 8'												●				●				●	●	●	MATTE BLACK FINISH FRAME SEE LOW VOLTAGE DWGS BY OTHERS	EXTERIOR FITNESS
120	L	3' X 8'														●	●					●	●	●	MATTE BLACK FINISH FRAME	EXTERIOR LOUNGE
121	M	3' X 8'	●							●							●						●	●		EXTERIOR MDF
122	J	3' X 8'												●			●	●				●	●	●	MATTE BLACK FINISH FRAME SEE LOW VOLTAGE DWGS BY OTHERS	EXTERIOR MAIL ROOM
123	N	(3)3' X 8'																				●				LOUNGE PORCH

GENERAL DOOR NOTES:
1. INTERIOR DOOR HEAD DETAILS VARY, SEE FRAMING PLANS.
2. ALL GLAZING WITHIN DOOR SWINGS TO BE TEMPERED.
3. EA DOOR LEAF GETS 1-1/2 PAIR OF HINGES UNO.
4. SUPPLIER TO SUBMIT HARDWARE PACKAGE TO ARCHITECT FOR APPROVAL.
5. SEE PLAN FOR HINGE SIDE AND SWING DIRECTION.
6. ALL DOORS SHALL HAVE LEVER TYPE HARDWARE COMPLYING w/ CURRENT LOCAL ACCESSIBILITY CODE, OR PANIC HARDWARE AS NOTED.
7. SEE LIFE SAFETY PLAN FOR LOCATION OF PANIC HARDWARE.
8. ALL GLAZING TO BE TEMPERED.

SPECIFIC DOOR NOTES:
1. 1-3/4" THICK DOOR (TYPICAL)
2. LOCATE PANIC HARDWARE AT REQUIRED EXIT ONLY. SEE LIFE SAFETY PLAN FOR LOCATION.

WINDOW SCHEDULE - CLUBHOUSE

WINDOW TAG	ELEV. TAG	SIZE	GLASS THICKNESS	FRAME THICKNESS	TYPE	MATERIAL	REMARKS & INSTRUCTIONS
A	1	2856	3/4"	2 1/4"	F.G.	VINYL	INSUL. GLS.
B	2	2656	3/4"	2 1/4"	F.G.	VINYL	INSUL. GLS. W/ 2'-6" X 1'-0" TRANSOM
C	3	2424	3/4"	2 1/4"	F.G.	VINYL	INSUL. GLS. HIGH WINDOWS
D	3	2828	3/4"	2 1/4"	F.G.	VINYL	INSUL. GLS. HIGH WINDOWS
E	4	SEE ELEV.	3/4"	2 1/4"	F.G.	METAL	STOREFRONT WITH MATTE BLACK FINISH FRAME
F							
G	6	SEE ELEV.	PER MANUF.	PER MANUF.	F.G.	METAL	EUROLINE STEEL

WINDOW ELEVATIONS
NTS
3

DOOR ELEVATIONS
NTS
2

DOOR & WINDOW SCHEDULE
NTS
1

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Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

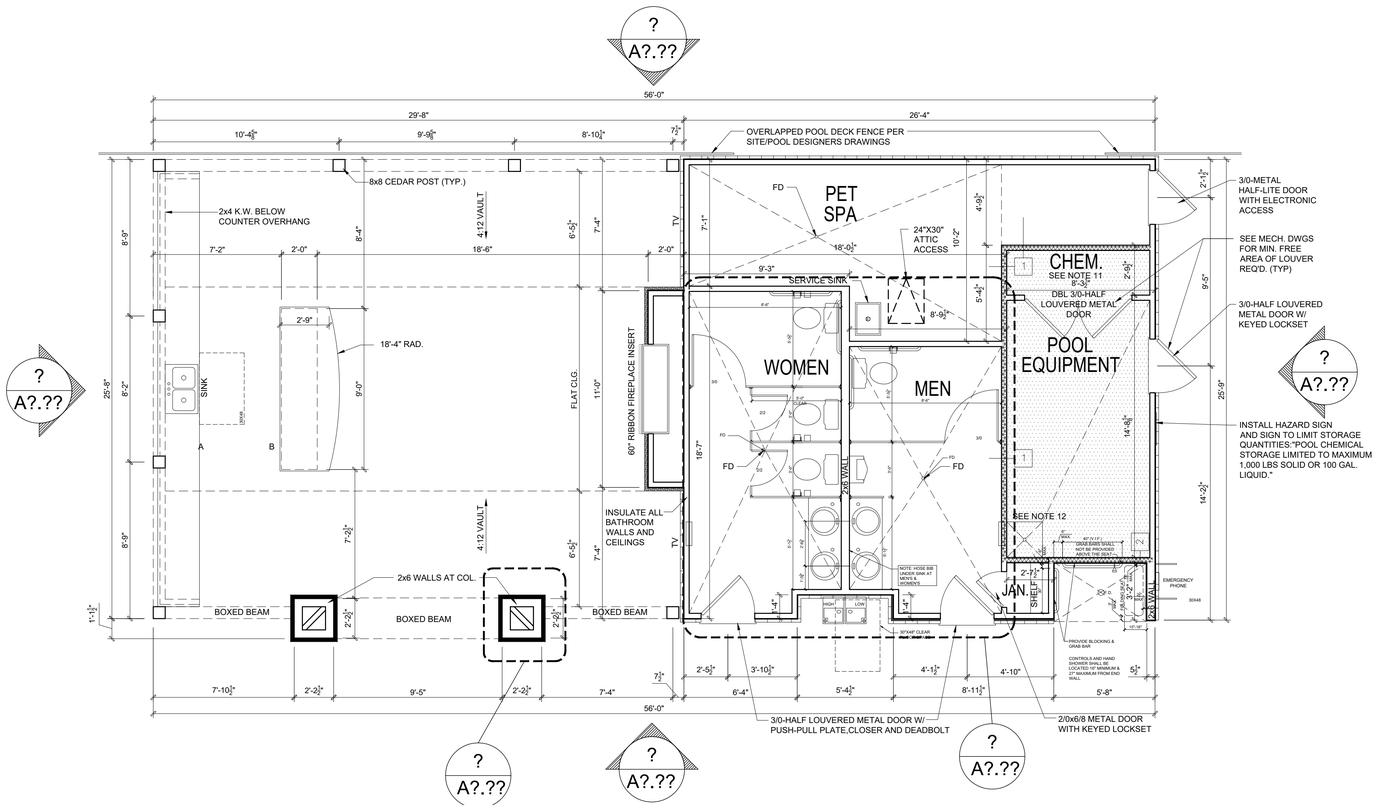
PROGRESS DATE:
ISSUE DATE: 11-24-21 (99% Set)

REVISIONS: NUMBER	DATE	INITIALS	DESCRIPTION
-			

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Clubhouse Door & Window Schedules

SHEET NUMBER:
A2.21



GENERAL NOTES:

1- ALL EXTERIOR WALLS ARE DIMENSIONED TO EXTERIOR STUD EDGE, ALL INTERIOR WALLS DIMENSIONED TO STUD EDGE.

2-ALL WALLS ARE DRAWN TO TRUE DIMENSIONS.

3-NUMBER AND LOCATION OF SMOKE DETECTORS SHALL CONFORM TO NEC. SEE PME PLANS FOR LOCATIONS.

4-ALL EGRESS COMPLIANCE CALCULATIONS ARE LISTED IN CODE SUMMARY.

5-ATTIC ACCESS AS SHOWN ON FLOOR PLANS.

6-WALL AND CEILING HEIGHT NOTES ARE BASED ON NOMINAL WALL SIZE (IE 10' 1-1/8" ACTUAL WALL HEIGHT IS LABELED 10'-0" ON PLANS)

7-KNEEWALL HEIGHT LABELS FOR WALLS UNDER RAFTERS ASSUME AN EXTRA 3.5" OF FURRING (IN HEATED SPACES) FOR INSULATION. THE WALL HEIGHT REFERS TO THE HEIGHT FROM THE ROUGH FLOOR TO THE BOTTOM OF FURRING, NOT THE BOTTOM OF RAFTER.

8-ALL EXTERIOR THRESHOLDS TO BE BARRIER FREE DESIGN.

9-SUMP PIT, POOL EQUIPMENT ROOM SIZE / LAYOUT , FLOOR DRAINS & HOSE BIBS TO BE VERIFIED BEFORE CONSTRUCTION BEGINS TO COORDINATE WITH POOL MANUFACTURES SPECS & DRAWINGS BY OTHERS. IF NOT SUPPLIED PRIOR TO PERMITTING DRAWING RELEASE ARCHITECT HOLDS NO LIABILITY FOR FUTURE COORDINATION (TYP).

10- ANY STRUCTURAL INFORMATION SHOWN IS FOR REFERENCE ONLY & TO BE CONFIRMED ON THE APPROPRIATE STRUCTURAL SHEETS. IF THERE ARE ANY DISCREPENCIES BETWEEN THE ARCHITECTURAL AND STRUCTURAL SHEETS, THE INFORMATION SHOWN ON THE STRUCTURAL SHEETS WILL OVERRIDE ANY ARCHITECTURAL INFORMATION SHOWN AND SHOULD BE REPORTED TO PLANWORX ARCHITECTURE, P.A., FOR CONFIRMATION BEFORE CONSTRUCTION.

11. MATERIALS STORED ARE CORROSIVE, IRRITANT, APPROX 200 LBS. SOLID.

12. 24"x24"x24" DEEP SUMP PIT W/ 4" TO S.S.

RATED WALL PLAN LEGEND

NOTE: PROVIDE 1 HR. SEPARATION AT POOL EQUIPMENT/CHEM. STORAGE EVEN THOUGH CODE DOES NOT REQUIRE THE RATING

= 1 HOUR RATED WALL DESIGNATION
SEE CHART FOR DESCRIPTION OF UL WALL SYSTEM.

= 1 HOUR RATED CEILING DESIGNATION

NOTE: SEE CS SHEETS U.L. DETAILS

WALL LEGEND

X

SEE U.L. DETAILS FOR ASSEMBLIES LISTED BELOW

MARK	UL WALL TYPE	REMARKS
1	U305	SINGLE 1 HOUR RATED WALL
2	U356	1 HOUR RATED EXTERIOR WALL
3	P522	1 HOUR RATED CEILING / ROOF SEPARATION

SQUARE FOOTAGE

BATHROOMS =	306
GATHER =	761
(NET SQFT FOR GATHER =	604)
PET SPA =	193
CHEM. STORAGE/POOL EQUIP. =	153
SHOWER =	18
TOTAL=	1,430

ARCHITECTURAL PLANS WALL LEGEND

= STANDARD INTERIOR STUD WALL (TYP. 2x4 UNO ON PLANS)

= STANDARD STUD WALL, WALL SHEATHING AND LOW APPLIED STONE WAINSCOTING. SEE ELEVATIONS FOR HEIGHT & FINISH MATERIAL AT EXT STUD WALL ABOVE. STUD THICKNESS AS NOTED IN PLAN NOTES OR AT WALL LOCATIONS.

= STANDARD STUD WALL, WALL SHEATHING, RIGID INSULATION AND LOW APPLIED STONE WAINSCOTING. SEE ELEVATIONS FOR HEIGHT & FINISH MATERIAL AT EXT STUD WALL ABOVE. STUD THICKNESS AS NOTED IN PLAN NOTES OR AT WALL LOCATIONS.

= STANDARD STUD WALL, WALL SHEATHING, RIGID INSULATION PER CODE SUMMARY AND FINISH PER ELEVATIONS.

= STANDARD STUD WALL, WALL SHEATHING AND FINISH PER ELEVATIONS.

NOTE: PROVIDE MOISTURE RESISTANT G.W.B. AT ALL INTERIOR WALLS THAT ARE TO RECEIVE G.W.B.

POOL HOUSE - FLOOR PLAN

Scale: 1/4" = 1'-0"

1

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Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
-			

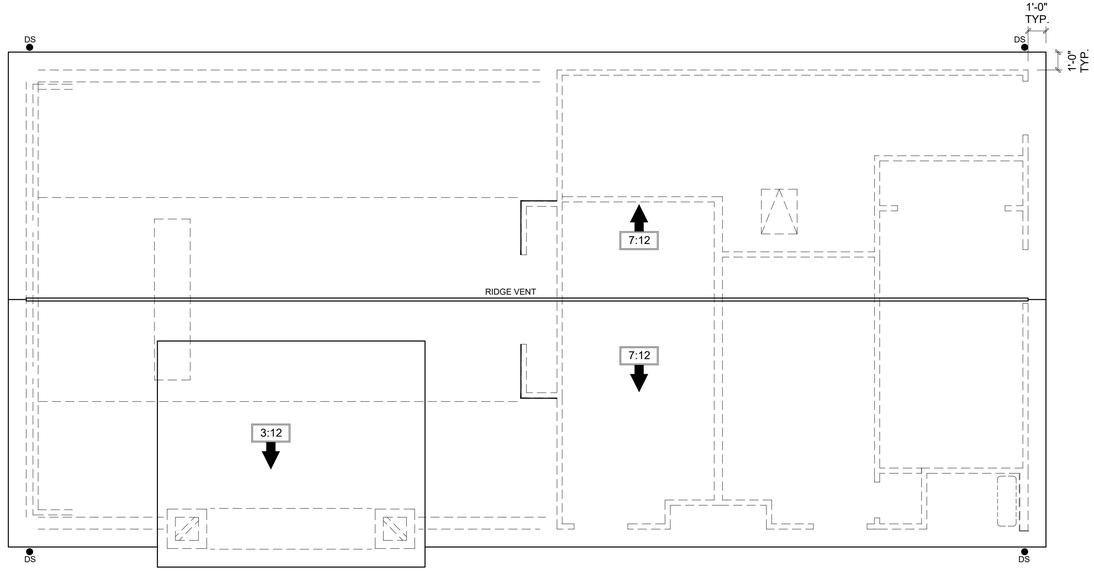
PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Pool House Floor Plan

SHEET NUMBER:
A3.10

Roof Ventilation		
A	Ceiling area (square footage)	**1642**
B	Sqft. of ventilation required	5.5
Formulas: B = A / 300		
Notes:		
Builder to calculate quantities and types of vents to make up the minimum requirement. Attic ventilation shall be approximately 50% soffit, and 50% high (gable end or ridge vents).		



POOL HOUSE - ROOF PLAN

Scale: 1/4" = 1'-0"

1

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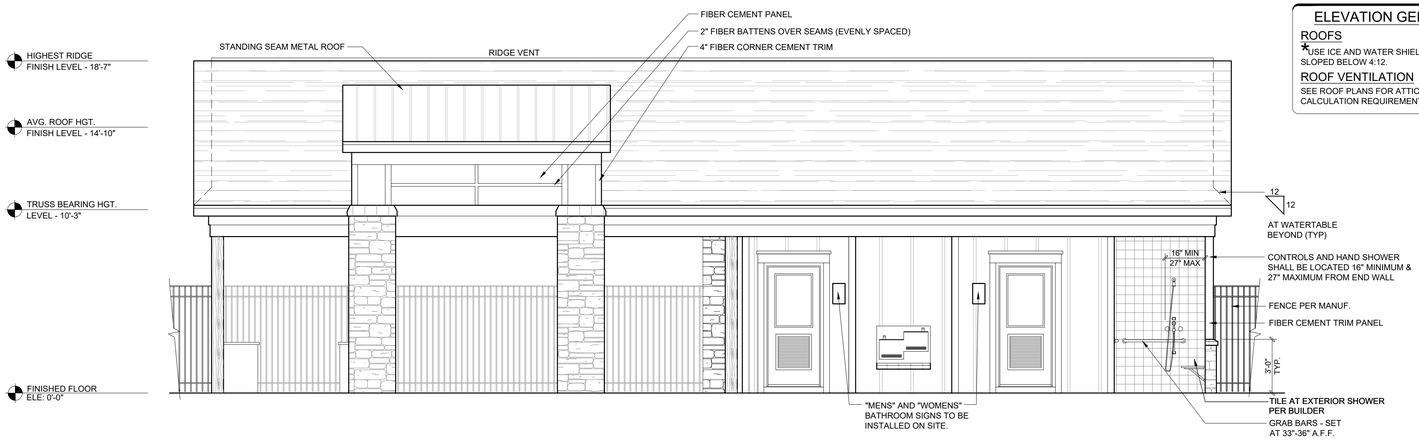
PROGRESS DATE: 11-24-21 (99% Set)
ISSUE DATE: -

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:
SHEET TITLE: Pool House Roof Plan

SHEET NUMBER: A3.11



ELEVATION GENERAL NOTES

ROOFS

*USE ICE AND WATER SHIELD AT ALL ROOF PLANES SLOPED BELOW 4:12.

ROOF VENTILATION

SEE ROOF PLANS FOR ATTIC VENTILATION CALCULATION REQUIREMENTS.

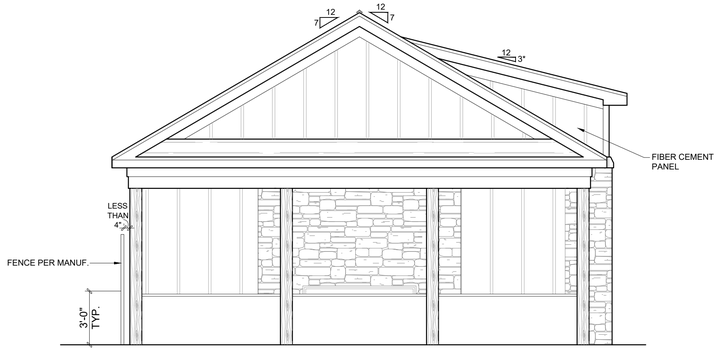
ARCHITECTURAL PLANS EXTERIOR MATERIALS

- = DIMENSIONAL GRADE ASPHALT SHINGLES (COLOR = DARK GRAY).
- = STANDING SEAM METAL ROOF (COLOR = DARK GRAY)
- = FIBER CEMENT LAP SIDING (COLOR = WHITE)
- = FIBER CEMENT BOARD & BATTEN (w/ 2" BATTEN STRIPS SPACED PER ELEVATIONS) (COLOR = WHITE)
- = FIBER CEMENT PANEL BOARD (COLOR = WHITE)
- = STONE VENEER (COLOR = LIGHT GRAY)
- = STONE ROWLOCK/SOLDIER (COLOR = LIGHT GRAY)

POOL HOUSE - FRONT ELEVATION

Scale: 1/4" = 1'-0"

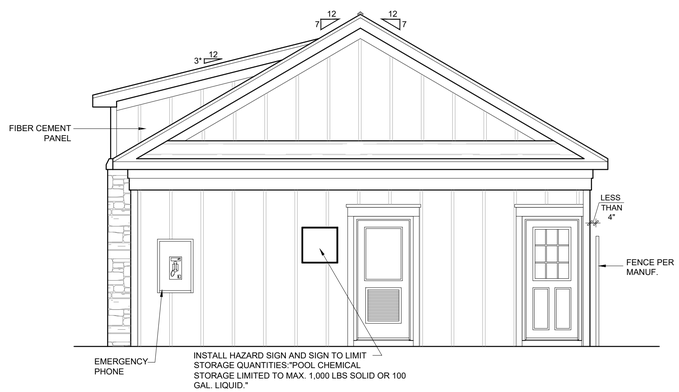
1



POOL HOUSE - LEFT SIDE ELEVATION

Scale: 1/4" = 1'-0"

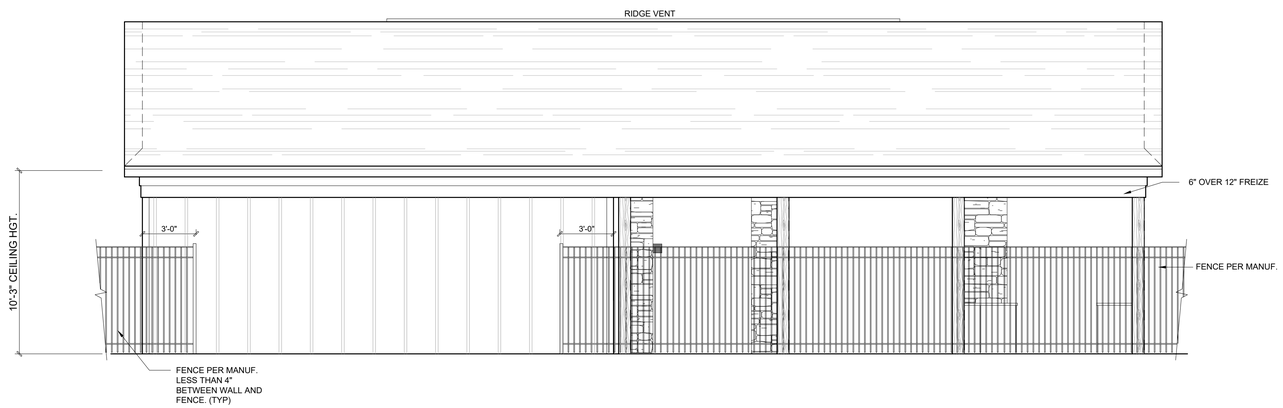
2



POOL HOUSE - RIGHT SIDE ELEVATION

Scale: 1/4" = 1'-0"

3



POOL HOUSE - REAR ELEVATION

Scale: 1/4" = 1'-0"

4

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Inspiration at Southpoint Apartments
Zimmer Development Company
Fort Meyers, Florida
-

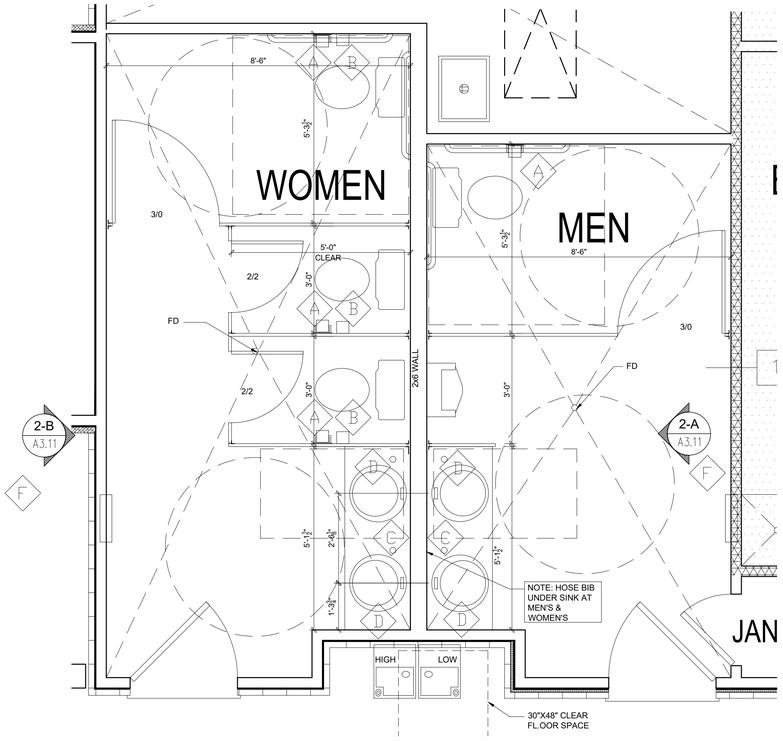
PROGRESS DATE:
ISSUE DATE: 11-24-21 (99% Set)

REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
-			

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Pool House
Exterior Elevations

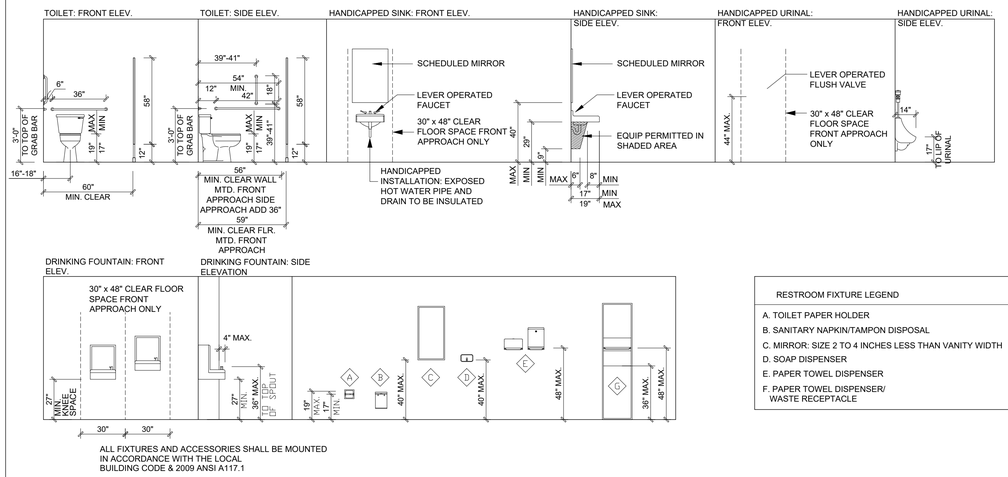
SHEET NUMBER:
A3.12



ENLARGED BATHROOM PLAN

Scale: 1/2" = 1'-0"

1



ALL FIXTURES AND ACCESSORIES SHALL BE MOUNTED IN ACCORDANCE WITH THE LOCAL BUILDING CODE & 2009 ANSI A117.1

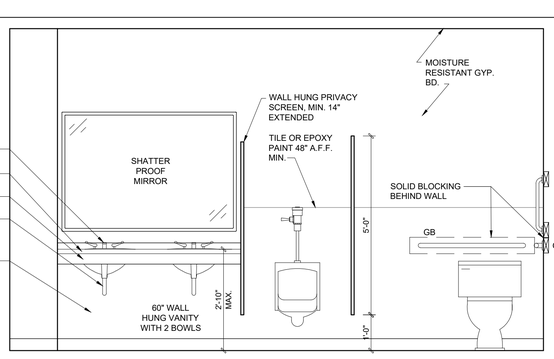
RESTROOM FIXTURE LEGEND

A. TOILET PAPER HOLDER
B. SANITARY NAPKIN/TAMPON DISPOSAL
C. MIRROR: SIZE 2 TO 4 INCHES LESS THAN VANITY WIDTH
D. SOAP DISPENSER
E. PAPER TOWEL DISPENSER
F. PAPER TOWEL DISPENSER/ WASTE RECEPTACLE

RESTROOM FIXTURE LEGEND

Scale: 1/4" = 1'-0"

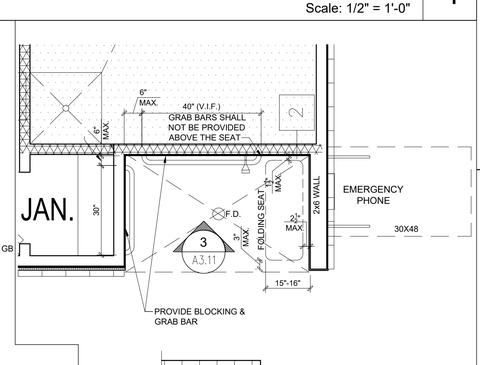
4

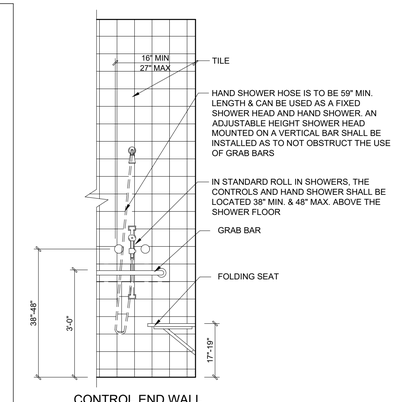


BATHROOM ELEVATIONS

Scale: 1/2" = 1'-0"

2



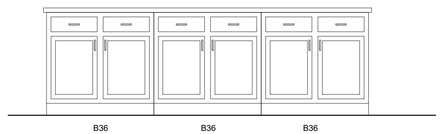


CONTROL END WALL

ENLARGED SHOWER DETAILS

Scale: 1/2" = 1'-0"

3



POOLHOUSE BAR ELEVATIONS

Scale: 1/2" = 1'-0"

5

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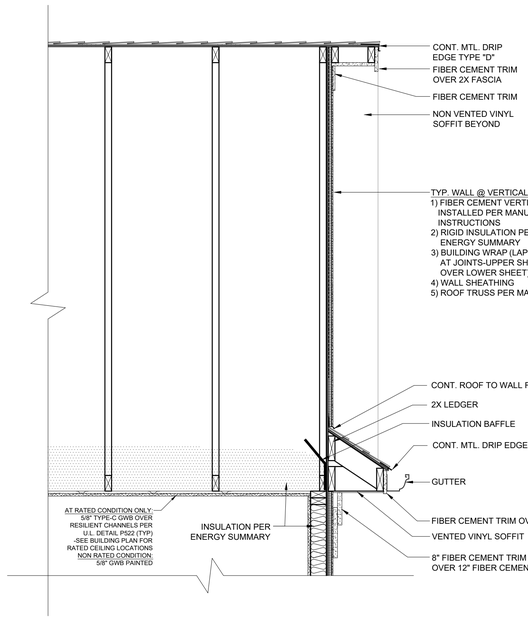
Zimmer Development Company
Fort Meyers, Florida
-

PROGRESS DATE:	11-24-21 (99% Set)		
ISSUE DATE:	-		
REVISIONS: NUMBER	INITIALS	DATE	DESCRIPTION

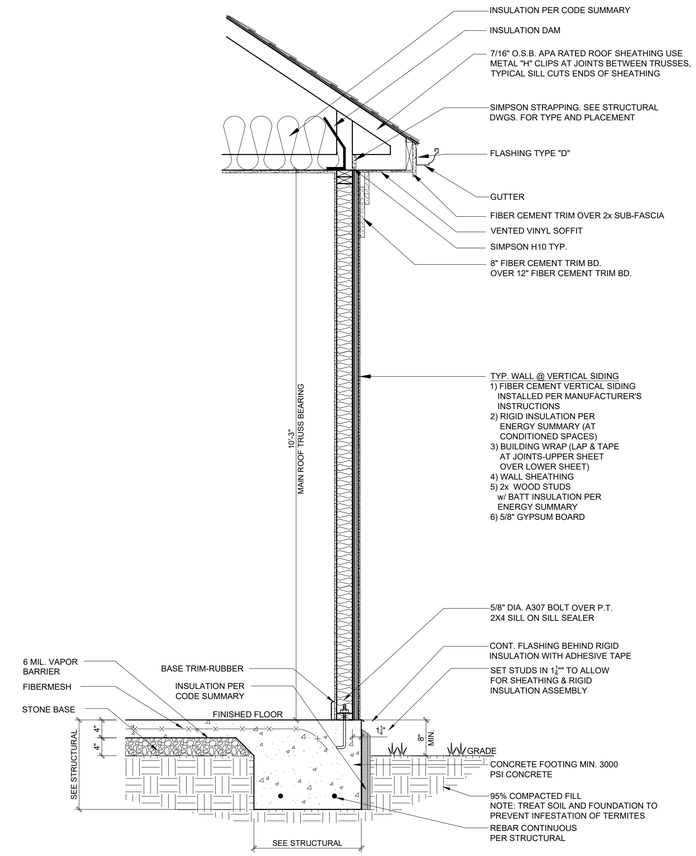
PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Pool House Details & Interior Elevations

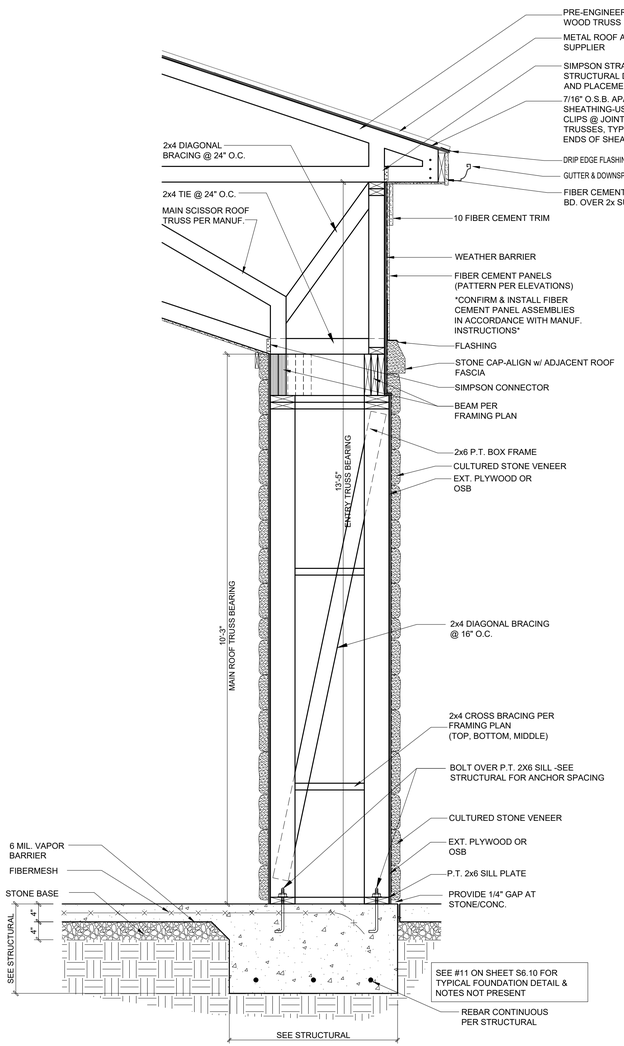
SHEET NUMBER:
A3.13



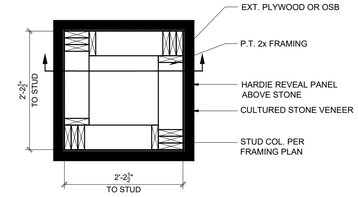
RAKE DETAIL | 3
Scale: 3/4" = 1'-0"



WALL SECTION | 2
Scale: 3/4" = 1'-0"



WALL SECTION | 1
Scale: 3/4" = 1'-0"



COLUMN SECTION (PLAN VIEW) | 4
Scale: 3/4" = 1'-0"

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Fort Meyers, Florida
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PROGRESS DATE:	11-24-21 (99% Set)		
ISSUE DATE:	-		
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Pool House Details

SHEET NUMBER:
A3.14

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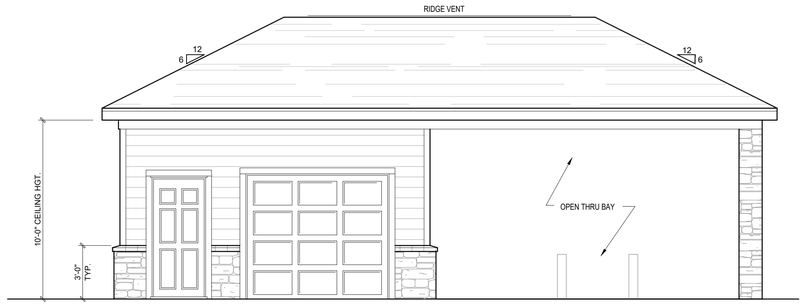
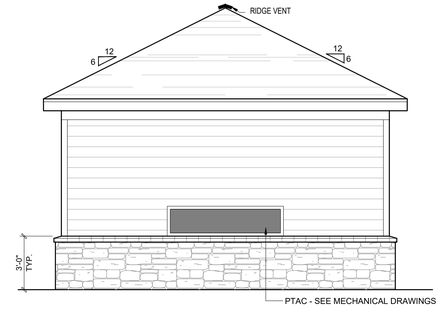
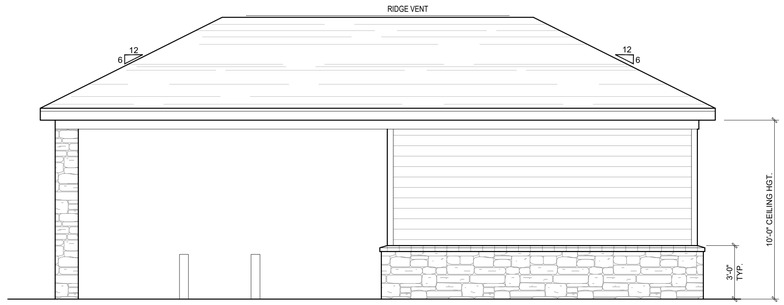


FRONT ELEVATION

SCALE: 1/4"=1'-0"

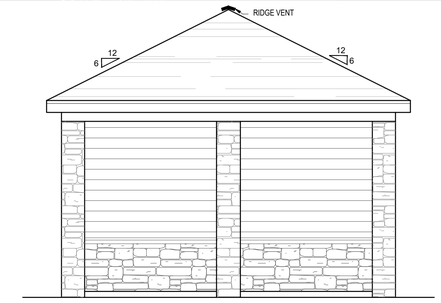


LEFT ELEVATION



REAR ELEVATION

SCALE: 1/4"=1'-0"

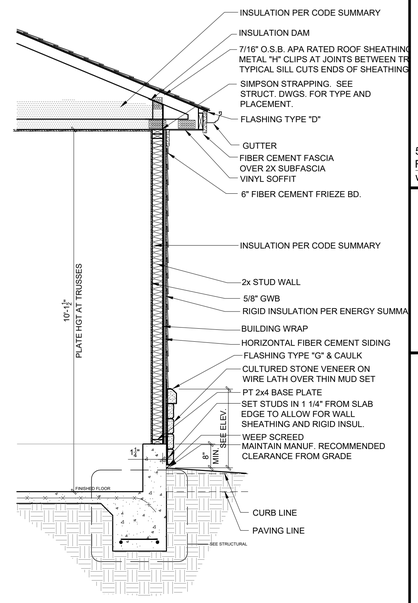


RIGHT ELEVATION

SCALE: 1/4"=1'-0"

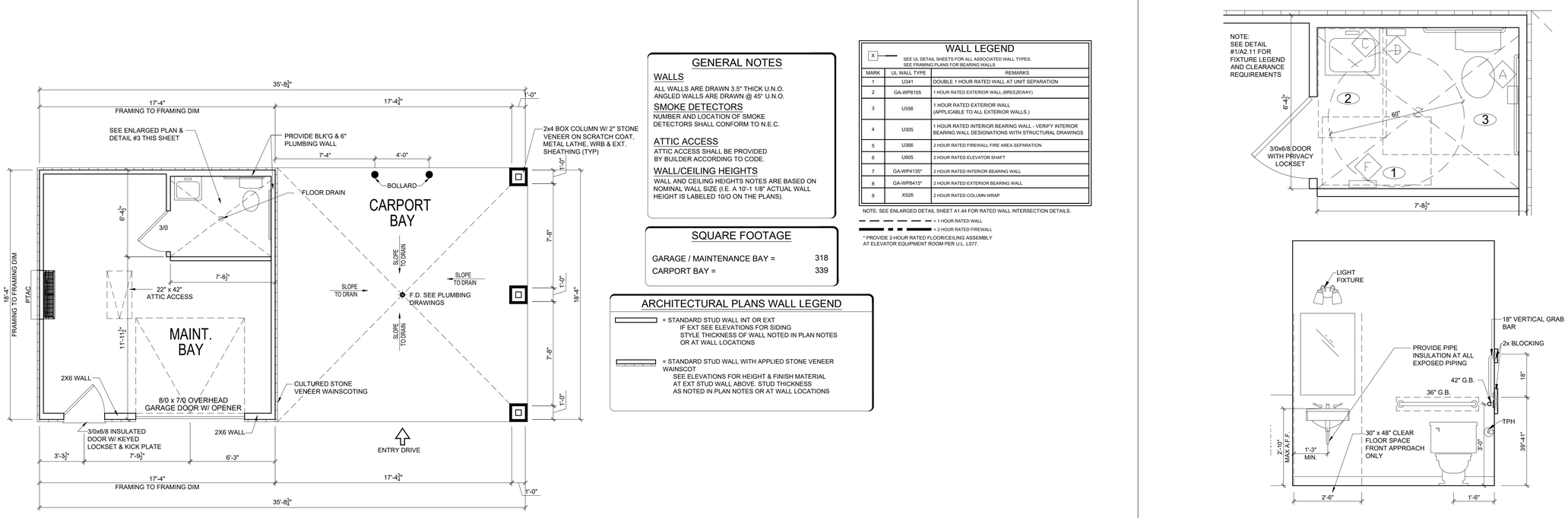
MAINTENANCE BUILDING - ELEVATIONS | 2

Scale: 1/4" = 1'-0"



WALL SECTION | 4

Scale: 1/2" = 1'-0"



MAINTENANCE BUILDING - FLOOR PLAN | 1

Scale: 1/4" = 1'-0"

GENERAL NOTES

WALLS

ALL WALLS ARE DRAWN 3.5" THICK U.N.O.
ANGLED WALLS ARE DRAWN @ 45° U.N.O.

SMOKE DETECTORS

NUMBER AND LOCATION OF SMOKE DETECTORS SHALL CONFORM TO N.E.C.

ATTIC ACCESS

ATTIC ACCESS SHALL BE PROVIDED BY BUILDER ACCORDING TO CODE.

WALL/CEILING HEIGHTS

WALL AND CEILING HEIGHTS NOTES ARE BASED ON NOMINAL WALL SIZE (I.E. A 10'-1 1/8" ACTUAL WALL HEIGHT IS LABELED 10/O ON THE PLANS).

SQUARE FOOTAGE

GARAGE / MAINTENANCE BAY =	318
CARPORT BAY =	339

ARCHITECTURAL PLANS WALL LEGEND

= STANDARD STUD WALL INT OR EXT
IF EXT SEE ELEVATIONS FOR SIDING STYLE THICKNESS OF WALL NOTED IN PLAN NOTES OR AT WALL LOCATIONS

= STANDARD STUD WALL WITH APPLIED STONE VENEER WAINSCOT
SEE ELEVATIONS FOR HEIGHT & FINISH MATERIAL AT EXT STUD WALL ABOVE. STUD THICKNESS AS NOTED IN PLAN NOTES OR AT WALL LOCATIONS

WALL LEGEND

X — SEE UL DETAIL SHEETS FOR ALL ASSOCIATED WALL TYPES. SEE FRAMING PLANS FOR BEARING WALLS

MARK	UL WALL TYPE	REMARKS
1	U341	DOUBLE 1 HOUR RATED WALL AT UNIT SEPARATION
2	GA-WP8105	1 HOUR RATED EXTERIOR WALL (BREEZEWAY)
3	U356	1 HOUR RATED EXTERIOR WALL (APPLICABLE TO ALL EXTERIOR WALLS.)
4	U305	1 HOUR RATED INTERIOR BEARING WALL - VERIFY INTERIOR BEARING WALL DESIGNATIONS WITH STRUCTURAL DRAWINGS
5	U366	2 HOUR RATED FIREWALL FIRE AREA SEPARATION
6	U905	2 HOUR RATED ELEVATOR SHAFT
7	GA-WP4135*	2 HOUR RATED INTERIOR BEARING WALL
8	GA-WP8415*	2 HOUR RATED EXTERIOR BEARING WALL
9	X526	2 HOUR RATED COLUMN WRAP

NOTE: SEE ENLARGED DETAIL SHEET A1.44 FOR RATED WALL INTERSECTION DETAILS.

= 1 HOUR RATED WALL

= 2 HOUR RATED FIREWALL

* PROVIDE 2-HOUR RATED FLOOR/CEILING ASSEMBLY AT ELEVATOR EQUIPMENT ROOM PER U.L. L577.

OPT. BATHROOM ENLARGED FLOOR PLAN/ELEVATION | 3

Scale: 1/2" = 1'-0"

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Zimmer Development Company
Fort Meyers, Florida
-

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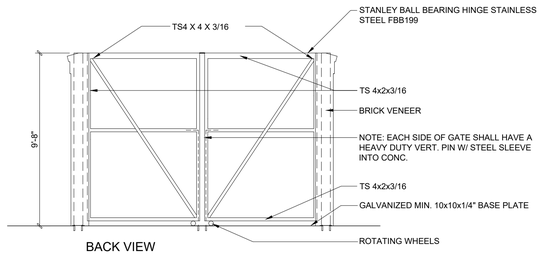
ISSUE DATE:	-		
REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION

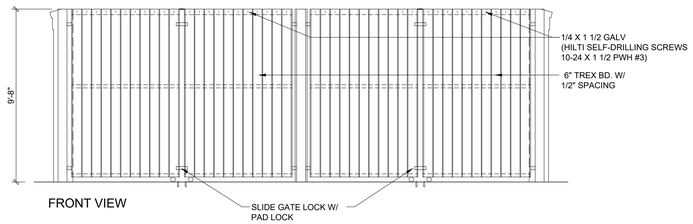
PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Maintenance & Car Wash Building

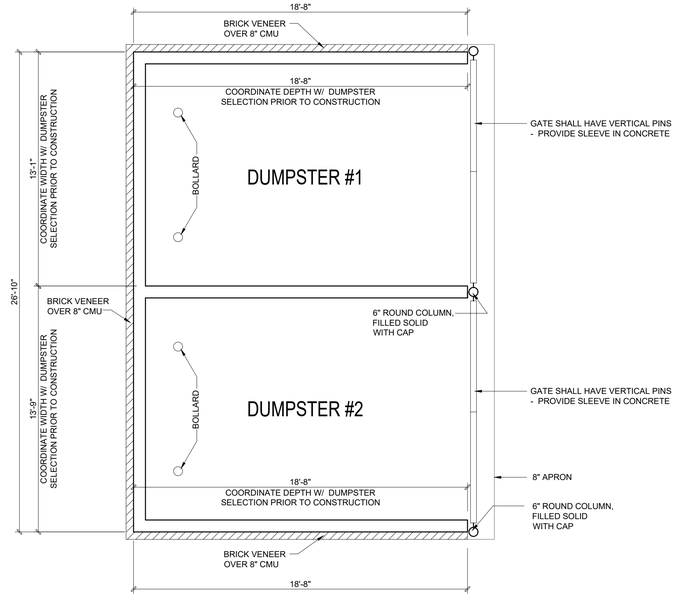
SHEET NUMBER:
A4.10



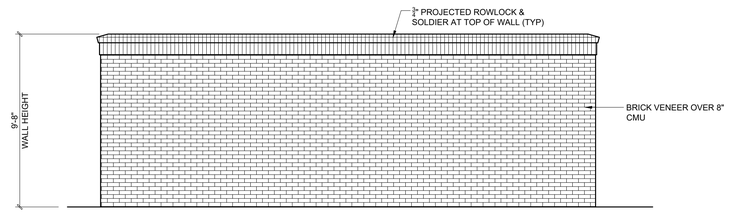
5 GATE DETAIL BACK VIEW
1/4"=1'-0"



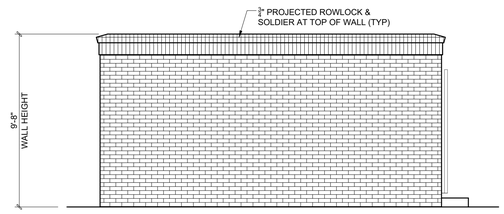
4 GATE DETAIL FRONT VIEW
1/4"=1'-0"



3 DUMPSTER ENCLOSURE PLAN
1/4"=1'-0"



2 DUMPSTER SIDE ELEVATION
1/4"=1'-0"



1 DUMPSTER FRONT/REAR ELEVATION
1/4"=1'-0"

DUMPSTER - PLAN AND ELEVATIONS
Scale: 1/4" = 1'-0"

1

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ISSUE DATE:	11-24-21 (99% Set)
REVISIONS NUMBER	-
DATE	
INITIALS	
DESCRIPTION	

PROJECT NO: 010819
DRAWN BY: CL/AM
CHECKED BY:

SHEET TITLE:
Dumpster Enclosure Layout

SHEET NUMBER:
A5.10