KCDC - Renovation at Guy B. Love Tower

1171 Armstrong Ave
Knoxville, TN 37917

11.07.2019

Construction Documents
11.07.2019

			Sheet Issue Date	Current Revision Description	Current Revision Date
TITLE					
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AD1.1	Demolition Plan	3	11.07.2019		
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A1.2	Overall Second Through Seventh Floor Plans	7	11.07.2019		
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A6.1	Door Schedule, Elevations, & Details	9	11.07.2019		
A8.1	Enlarged Typcial Floor Plans & Interior Elevations	10	11.07.2019		
A8.2	Enlarged ADA Floor Plans & Interior Elevations	11	11.07.2019		
A8.3	Enlarged Typcial Floor Plans & Interior Elevations	12	11.07.2019		
A9.1	Interior Details	13	11.07.2019		
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P1.1	Typical Enlarged Plan	16	11.07.2019		
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P1.4	Typical Enlarged ADA Plan	18	11.07.2019		
PD1.0	Typical ADA Demo Plans	19	11.07.2019		
FIRE PROTECTION					
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E2.0	Typical Enlarged Electrical Floor Plans	33	11.07.2019		
E2.1	ADA Type 0 & ADA Type 1 Demo And New Work Elec Plans	34	11.07.2019		
ES 1.0	Love Towers Electrical Site Plan	35	11.07.2019		

3 **Drawing List**
NTS

Overview

APPLICABLE CODES:	International Building Code, 2018 edition w/ amendments International Energy Code, 2018 edition w/ amendments International Electrical Code, 2017 edition w/ amendments International Plumbing Code, 2018 edition w/ amendments International Mechanical Code, 2018 edition w/ amendments International Fuel Gas Code, 2018 edition w/ amendments International Fire Code, 2018 edition w/ amendments
ACCESSIBILITY CODE:	2010 ADA Standards for Accessible Design
OCCUPANCY TYPE:	Residential, R-2 Apartment House
CONSTRUCTION TYPE:	Type I, Unprotected, Sprinklered

2 **Code Information**
NTS

Owner:
KCDC
901 N Broadway, Knoxville, TN 37917
T (865) 403-1371
Contact: Jack Canada

Contractor:
TBD

Architect:
Studio Four Design
414 Clinch Ave. Knoxville, TN 37902
T 865.523.5001 F 865.523.5003
Contact: Marcus Chady

MEP Engineer:
Facility Systems Consultants, LLC
713 S Central St # 101, Knoxville, TN 37902
T (865) 246-0164
Contact: Mark Newlin

1 **Contact Information**
NTS

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Knoxville, TN 37917

MARKUS E. CHADY
REGISTERED ARCHITECT
AGRICULTURE
11.7.19
No. 103521
STATE OF TENNESSEE

Project Phase: Construction Documents

Issue Date: 11.07.2019		
Revisions		
No.	**Descripton**	**Date**

Job Number: 19089.00

Cover Sheet

T0.0

Date: 11/7/2019 2:47:30 PM
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6 Not Used
NTS

	FLOORS													
UNITS	1A	1B	2A	2B	3A	3B	4A	4B	5A	5B	6A	6B	7A	7B	***TOTAL***
0 BR	0	8	7	8	7	8	7	8	7	8	7	8	7	8	98
1 BR	0	8	7	9	8	9	8	9	8	9	8	9	8	9	109
2 BR	2	2	2	2	2	2	2	2	2	2	2	2	2	2	28
3 BR	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
STUDIO ADA	0	0	1	0	1	0	1	0	1	0	1	0	1	0	6
1 BR ADA	0	0	2	0	1	0	1	0	1	0	1	0	1	0	7
TOTAL	3	18	19	19	19	19	19	19	19	19	19	19	19	19	***249***

5 Unit Matrix - Buildings A & B
NTS

Project Location

1171 Armstrong Ave
Knoxville, TN 37917

Scope of Work

Interior renovations of existing apartment buildings to include converting units to UFAS accessibility requirements, installing HUD compliant smoke detectors and emergency call systems, updating interior flooring and casework, minimal plumbing fixture updates as required, and restriping / marking ADA accessible parking spaces and site access.

4 Project Description
NTS

EARTH
GRAVEL
CONCRETE
RIGID INSULATION
METAL
PLYWOOD
WOOD - FINISHED
WOOD - ROUGH
BATT INSULATION
GYPSUM BOARD
ACOUSTIC TILE
MASONRY VENEER
CONCRETE MASONRY UNIT

3 Materials Legend
NTS

CENTER LINE
COLUMN GRID
ELEVATION MARKER
POINT ELEVATION
DOOR IDENTIFICATION
WINDOW IDENTIFICATION
CEILING IDENTIFICATION
WALL TYPE
ACCESSORY TAG
ROOM IDENTIFICATION
REVISION NOTE
DEMO NOTE
EXTERIOR ELEVATION
INTERIOR FINISH ELEVATION
NORTH ARROW
BUILDING SECTION
WALL SECTION

2 Graphic Symbols
NTS

1. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, CONTRACTOR SHALL OBTAIN CLARIFICATION, IN WRITING, FROM THE ARCHITECT.
2. INTERIOR AND EXTERIOR WALL AND PARTITION DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD UNLESS NOTED OTHERWISE. MASONRY DIMENSIONS ARE FROM OUTSIDE EDGE TO OUTSIDE EDGE UNLESS NOTED OTHERWISE.
3. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL CODES, REGULATIONS AND ORDINANCES AND SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR CONSTRUCTION.
4. FIRE EXTINGUISHER(S) ARE REQUIRED IN THE SPACE PER NFPA 10. MOUNT CABINETS AND EXTINGUISHERS AT LOCATIONS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE FIRE/BUILDING INSPECTOR.
5. CONSTRUCTION MATERIALS SPECIFIED AND NOTED ON THE DRAWINGS ARE REPRESENTATIVE OF THE GENERAL DESIGN INTENT.
6. GENERAL CONTRACTOR TO VERIFY CONDITIONS PRIOR TO BIDDING. IF CONDITIONS ARE DIFFERENT THAN SHOWN IN DRAWINGS, CONTACT ARCHITECT IMMEDIATELY.
7. WHERE A DETAIL IS SHOWN OR A NOTE IS DESCRIBED FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY NOTED ON THE DRAWINGS.
8. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT SURROUNDINGS PROPERTY, STREETS, WALKS, ETC. DURING CONSTRUCTION ACTIVITIES AND SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED AS A RESULT.

1 General Notes
NTS

7 Wall Types
NTS

Partition (3 5/8" Mtl. Stud)

5/8" GWB ON BOTH SIDES OF 3 5/8" MTL STUDS . EXTEND STUDS TO STRUCTURE AS REQUIRED TO BRACE PARTITION. FINISH EDGES OF PARTITION TO EXISTING CEILING (MUD AT GYP, TRIM AT ACT).

Partition (3 5/8" Mtl. Stud) - Chase

5/8" GWB ON EXPOSED SIDE OF 3 5/8" MTL STUDS . EXTEND STUDS TO STRUCTURE AS REQUIRED TO BRACE PARTITION. FINISH EDGES OF PARTITION TO EXISTING CEILING (MUD AT GYP, TRIM AT ACT).

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REGISTERED ARCHITECT
AGRICULTURE
11.7.19
NO. 103851
STATE OF TENNESSEE

Project Phase: Construction Documents

Issue Date: 11.07.2019

Revisions

No.	Descripton	Date

Job Number: 19089.00

Project Scope, Wall Types

T0.1

Date: 11/7/2019 3:06:17 PM
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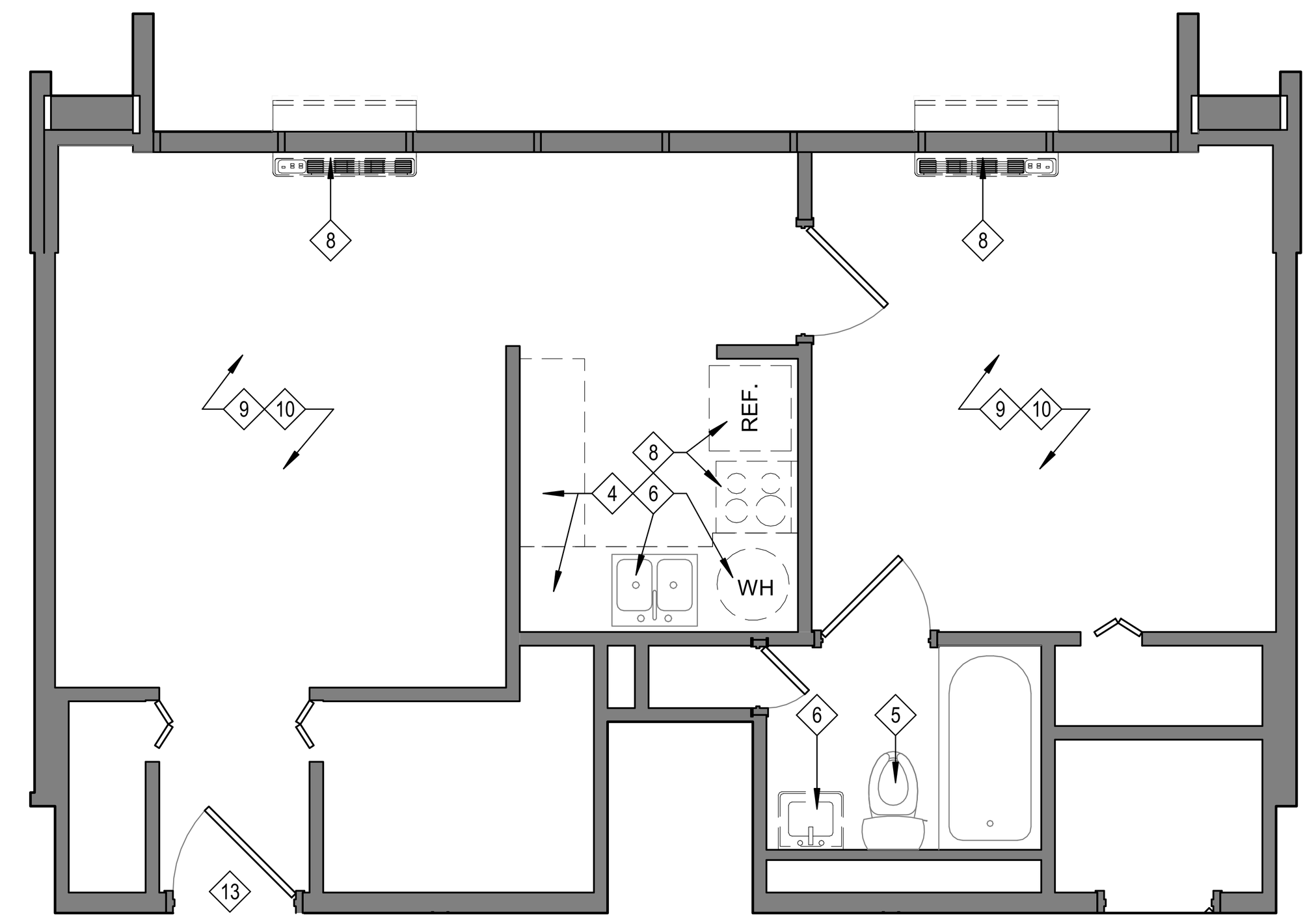
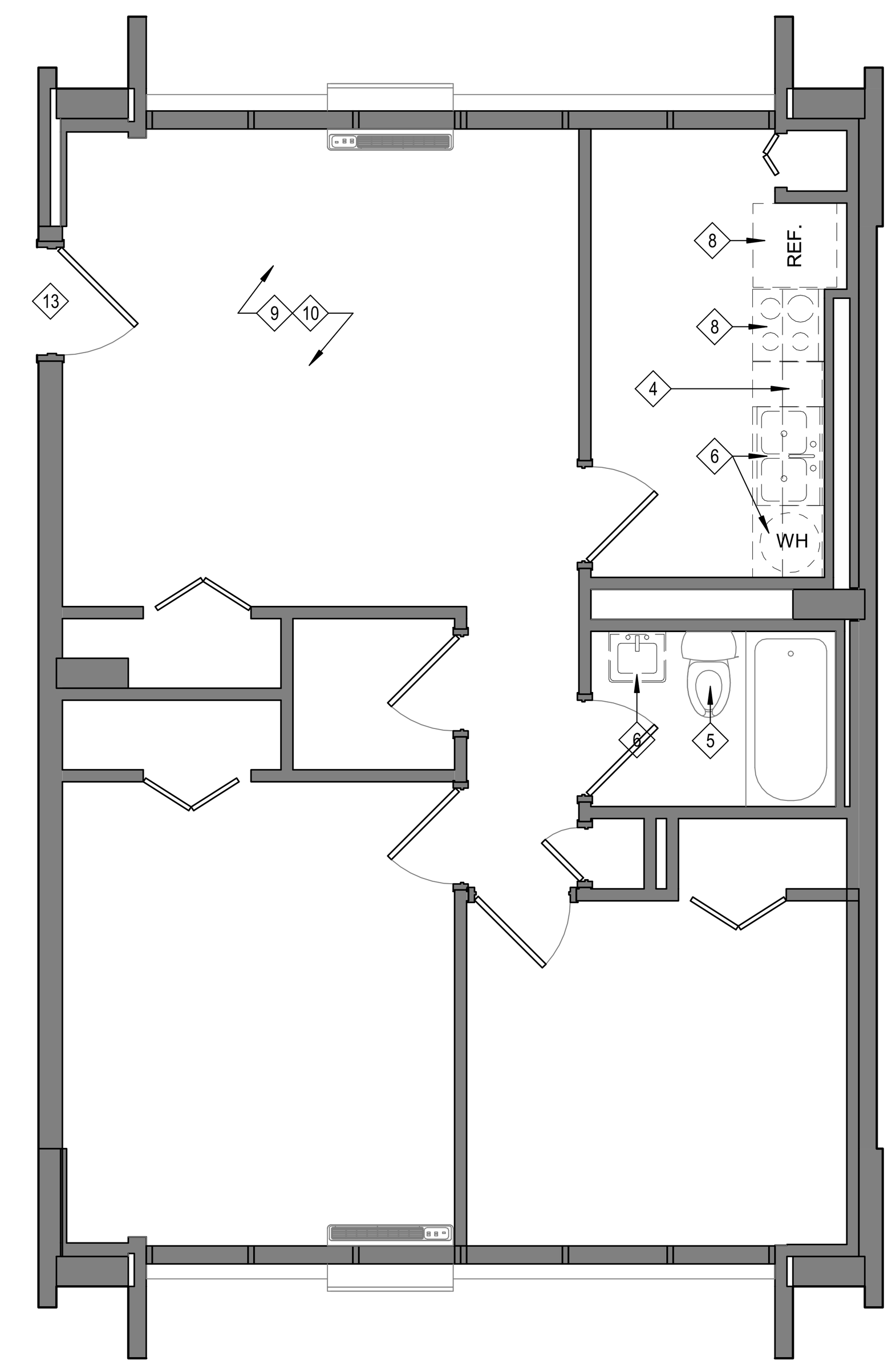
11 **Not Used**
NTS



8 **Typical Enlarged Floor Plan - Type 1A - Demo Plan**
1/4" = 1'-0"



5 **Typical Enlarged Floor Plan - Type 2 - Demo Plan**
1/4" = 1'-0"

1. DEMOLITION PLAN(S) ARE ISSUED AS AN EXPLANATORY SUPPLEMENT TO INDICATE THE APPROXIMATE SCOPE OF PROPOSED DEMOLITION AND AS SUCH ALL CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES. DEMOLITION WORK WILL REQUIRE COORDINATION WITH PROPOSED ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING & ELECTRICAL SYSTEMS. THEREFORE DEMOLITION PLAN(S) MAY NOT REPRESENT OR INCLUDE ALL DEMOLITION REQUIRED. CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND FIELD VERIFY ALL CONDITIONS PRIOR TO BIDDING OR CONSTRUCTION.

2. CONTRACTOR SHALL CONTACT THE ARCHITECT IMMEDIATELY UPON DISCOVERY OF DISCREPANCIES BETWEEN THESE DRAWINGS AND EXISTING CONDITIONS.

3. EXISTING CONSTRUCTION TO REMAIN WITHIN AND SURROUNDING THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AS NECESSARY DURING DEMOLITION TO AVOID DAMAGE OR DESTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING OR REPAIRING ANY ITEMS DAMAGED OR DESTROYED THAT WERE NOT INDICATED AS PART OF THE SCOPE OF DEMOLITION.

4. REMOVE ALL INTERIOR CONSTRUCTION INDICATED BY KEYNOTES, EXCEPT WHERE SPECIFICALLY INDICATED TO REMAIN. REMOVAL SHALL INCLUDE, BUT NOT BE LIMITED TO; INTERIOR AND EXTERIOR WALLS, DOORS, PARTITIONS, SUSPENDED ACOUSTICAL CEILINGS, LIGHT FIXTURES, ELECTRICAL DEVICES, FIRE ALARM DEVICES, CONDUIT, ELECTRICAL PANEL BOARDS, SWITCHES, PLUMBING LINES, PLUMBING FIXTURES, MILLWORK, FLOOR FINISHES, WINDOW TREATMENTS, DUCTWORK AND ASSOCIATED MECHANICAL PIPING, FIXTURES AND CONTROLS.

5. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY SHOULD THE PRESENCE OF HAZARDOUS MATERIALS BE SUSPECTED OR IDENTIFIED DURING DEMOLITION ACTIVITIES.

6. DIMENSIONS SHOWN ARE APPROXIMATE DUE TO VARIATIONS IN EXISTING CONDITIONS, AND ARE GIVEN FOR REFERENCE ONLY.

7. GC SHALL COORDINATE WITH OWNER PRIOR TO COMMENCEMENT OF DEMOLITION WORK ALL PROCEDURES (E.G. SCHEDULING OF ACTIVITIES, SHUTDOWNS, ETC.) AND LOCATION OF DUMPSTER FOR DISPOSAL OF ALL REMOVED ITEMS.

8. ANY DAMAGE TO OWNER'S PROPERTY DURING DEMOLITION OR CONSTRUCTION WILL BE REPAIRED PER SPECIFICATIONS, AT GC'S EXPENSE.

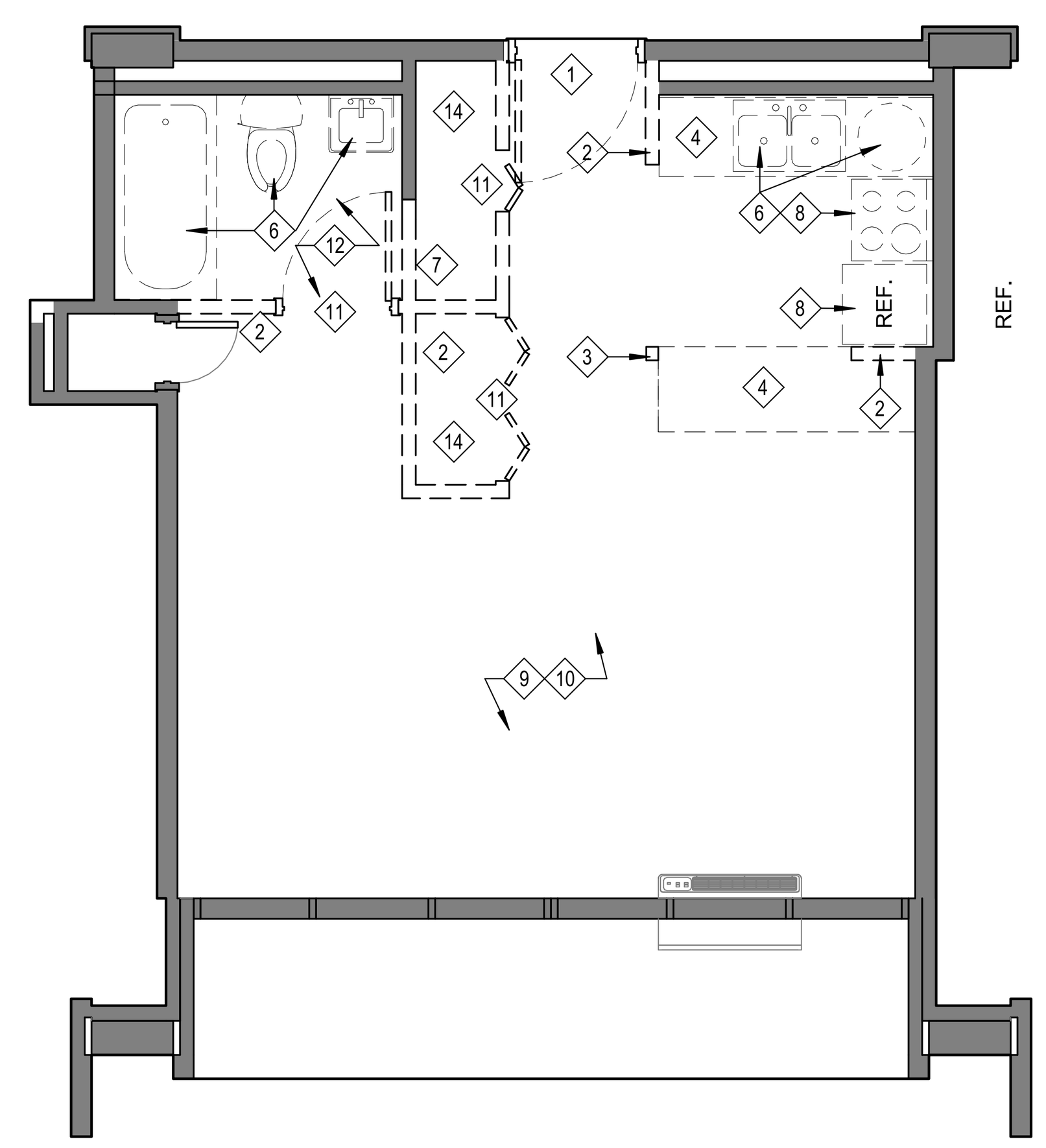
9. ANY EXISTING EQUIPMENT OR COMPONENT IN OR PERTAINING TO THE PREMISES THAT IS BEING ABANDONED MUST BE DEMOLISHED COMPLETELY AND PROPERLY REMOVED FROM THE PREMISES.

10. GC SHALL COORDINATE WORK PERFORMED BY OTHER CONTRACTORS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE OWNER'S ATTENTION BEFORE PROCEEDING WITH WORK.

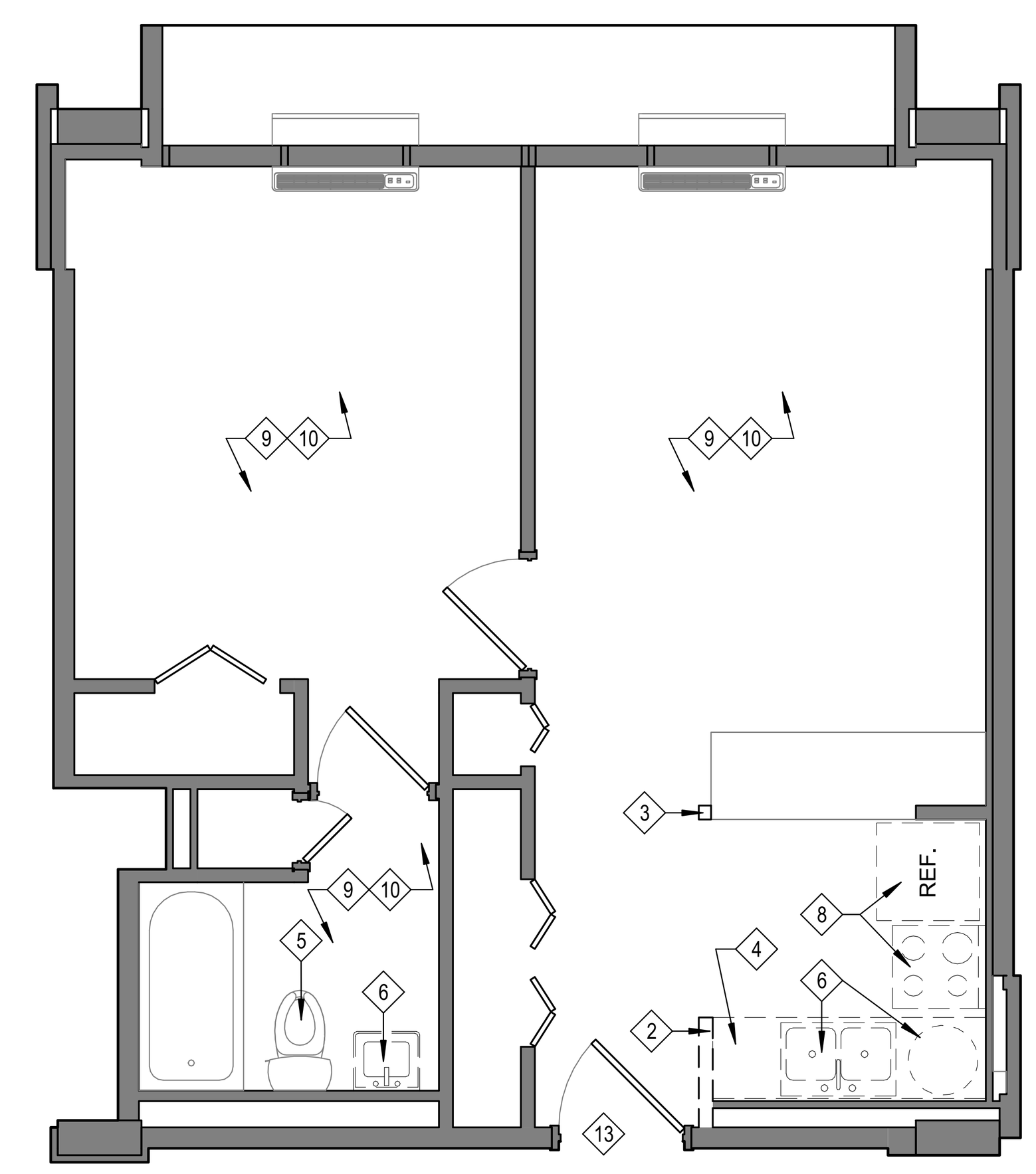
11. GC SHALL TAKE CARE TO NOT DISTURB EXISTING CEILING OR FLOOR EXCEPT FOR THOSE AREAS SPECIFIED.

2 **Demolition Notes**
NTS

10 **Not Used**
NTS

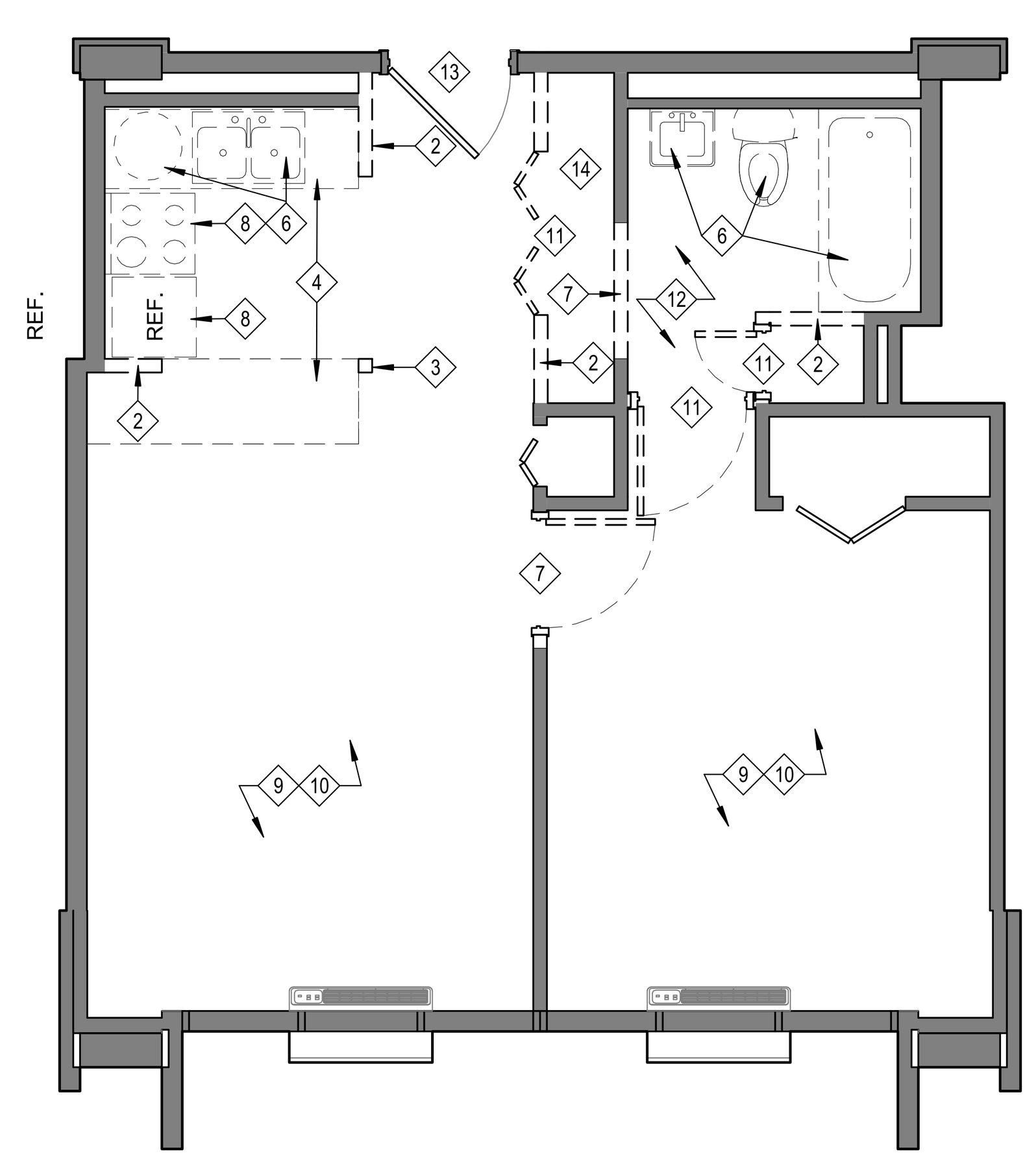


7 **Typical Enlarged Floor Plan - ADA Type 0 - Demo Plan**
1/4" = 1'-0"

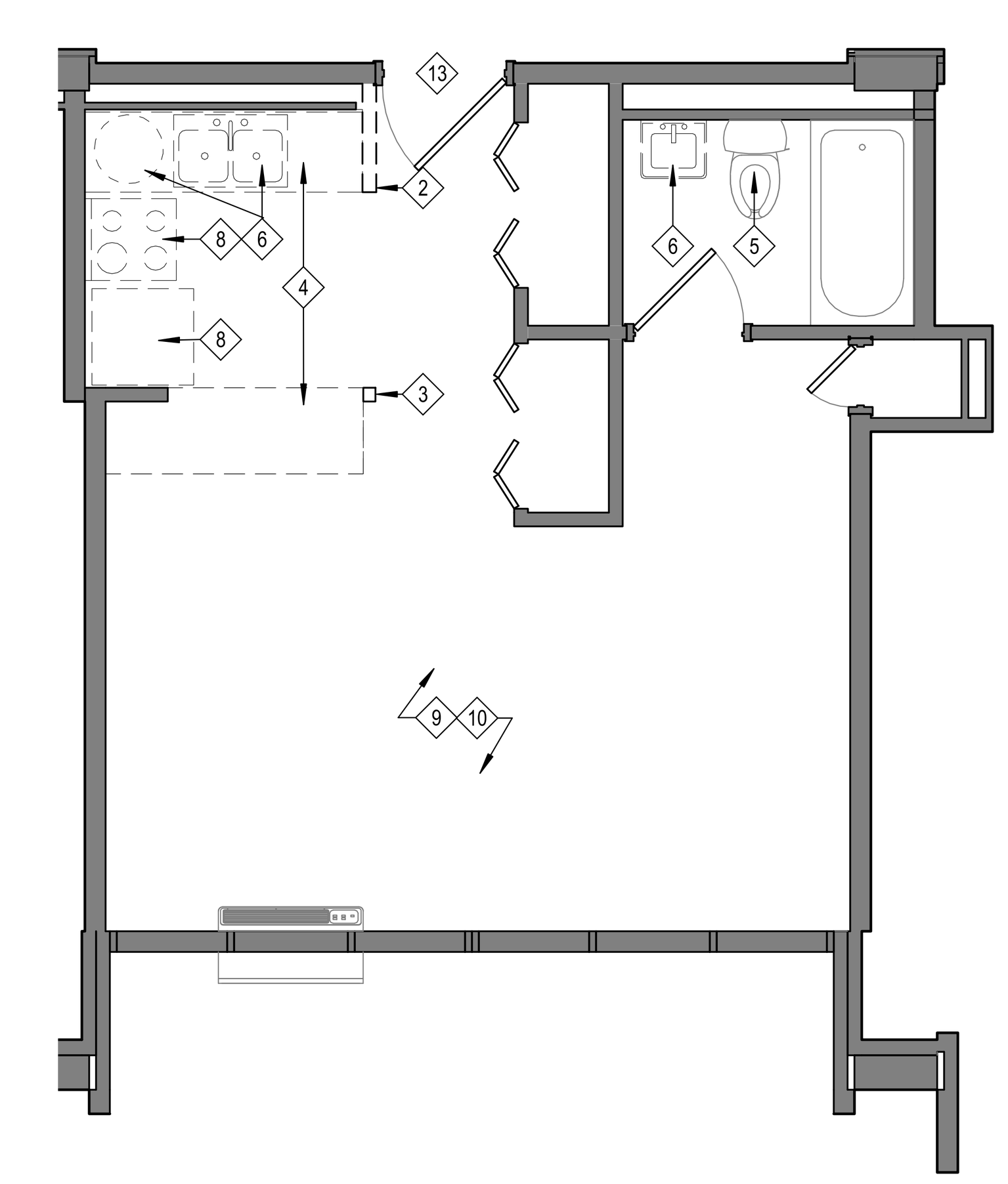


4 **Typical Enlarged Floor Plan - Type 1 - Demo Plan**
1/4" = 1'-0"

9 **Not Used**
NTS



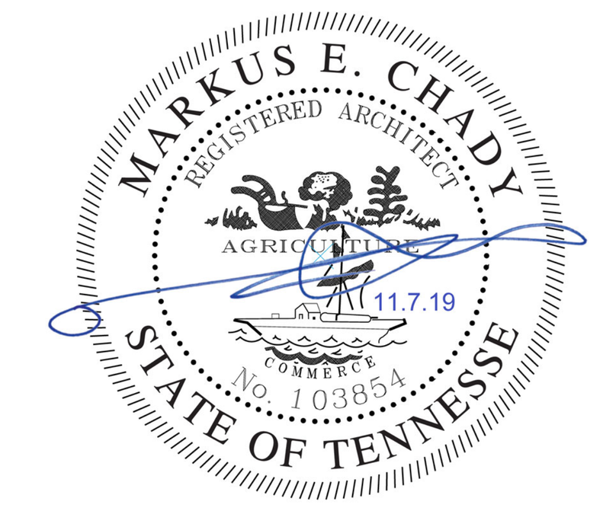
6 **Typical Enlarged Floor Plan - ADA Type 1 - Demo Plan**
1/4" = 1'-0"



3 **Typical Enlarged Floor Plan - Type 0 - Demo Plan**
1/4" = 1'-0"

1. REMOVE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE, PREPARE OPENING FOR NEW DOOR & FRAME
2. REMOVE EXISTING WALL OR PORTION THEREOF TO EXTENTS SHOWN. PATCH AND MATCH ADJACENT FINISHES AS REQUIRED.
3. REMOVE EXISTING DECORATIVE COLUMN, TYP. ALL UNITS
4. REMOVE EXISTING CASEWORK
5. REMOVE EXISTING PLUMBING FIXTURES AND SAVE FOR REINSTALLATION
6. REMOVE & DISCARD EXISTING PLUMBING FIXTURES. CAP & CONCEAL LINES AS NECESSARY
7. REMOVE EXISTING WALL OR PORTION THEREOF TO EXTENTS SHOWN, PREPARE FOR INSTALLATION OF NEW DOOR AND FRAME
8. REMOVE EXISTING APPLIANCES. VERIFY WITH OWNER WHICH APPLIANCES TO DISCARD AND WHICH TO SAVE FOR REINSTALLATION PRIOR TO REMOVAL.
9. RETAIN AND PROTECT EXISTING FLOOR, PREPARE FOR INSTALLATION OF FLOATING FLOOR ABOVE.
10. RETAIN AND PROTECT EXISTING CEILING.
11. REMOVE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE.
12. REMOVE & DISCARD EXISTING CEILING. PATCH & MATCH AS REQUIRED
13. REMOVE EXISTING DOOR HARDWARE ON ALL UNIT ENTRY DOORS. REPLACE WITH NEW TYPICAL - SEE DOOR HARDWARE.
14. REMOVE & DISCARD EXISTING SHELVING. PATCH AS REQUIRED.
15. REMOVE & DISCARD EXISTING TOILET PARTITION.

1 **Demolition Legend**
NTS



Project Phase: Construction Documents

Issue Date: 11.07.2019		
Revisions		
No.	**Descripton**	**Date**

Job Number: 19089.00

Demolition Plan

AD1.1

Date: 11/7/2019 3:05:52 PM
Drawn By: Author **Checked By:** Checker
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Building A Schedule

Number	Type	Level	Area	ADA Accessible	Kitchen Casework	Flooring	Shoe Molding	Paint Walls & Ceilings
101	2	First Floor	662 SF	No	4/A8.1	Yes	Yes	Yes
103	2	First Floor	662 SF	No	4/A8.1	Yes	Yes	Yes
201	2	Second Floor	672 SF	No	4/A8.1	Yes	Yes	Yes
202	1	Second Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
203	1	Second Floor	474 SF	Yes	4/A8.2, 7/A8.2, 10/A8.2, 13/A8.2	Yes	Yes	Yes
204	0	Second Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
205	0	Second Floor	377 SF	Yes	6/A8.2, 9/A8.2, 12/A8.2, 15/A8.2	Yes	Yes	Yes
206	1	Second Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
207	1	Second Floor	475 SF	Yes	5/A8.2, 8/A8.2, 12/A8.2, 14/A8.2	Yes	Yes	Yes
208	0	Second Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
209	0	Second Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
210	1A	Second Floor	495 SF	No	5/A8.3, 8/A8.3	Yes	Yes	Yes
211	0	Second Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
212	0	Second Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
213	1	Second Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
214	1	Second Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
215	0	Second Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
216	0	Second Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
217	1	Second Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
218	1	Second Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
219	2	Second Floor	676 SF	No	4/A8.1	Yes	Yes	Yes
301	2	Third Floor	672 SF	No	4/A8.1	Yes	Yes	Yes
302	1	Third Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
303	1	Third Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
304	0	Third Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
305	0	Third Floor	377 SF	Yes	6/A8.2, 9/A8.2, 12/A8.2, 15/A8.2	Yes	Yes	Yes
306	1	Third Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
307	1	Third Floor	475 SF	Yes	5/A8.2, 8/A8.2, 12/A8.2, 14/A8.2	Yes	Yes	Yes
308	0	Third Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
309	0	Third Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
310	1A	Third Floor	495 SF	No	5/A8.3, 8/A8.3	Yes	Yes	Yes
311	0	Third Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
312	0	Third Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
313	1	Third Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
314	1	Third Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
315	0	Third Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
316	0	Third Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
317	1	Third Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
318	1	Third Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
319	2	Third Floor	676 SF	No	4/A8.1	Yes	Yes	Yes
401	2	Fourth Floor	672 SF	No	4/A8.1	Yes	Yes	Yes
402	1	Fourth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
403	1	Fourth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
404	0	Fourth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
405	0	Fourth Floor	377 SF	Yes	6/A8.2, 9/A8.2, 12/A8.2, 15/A8.2	Yes	Yes	Yes
406	1	Fourth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
407	1	Fourth Floor	475 SF	Yes	5/A8.2, 8/A8.2, 12/A8.2, 14/A8.2	Yes	Yes	Yes
408	0	Fourth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
409	0	Fourth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
410	1A	Fourth Floor	495 SF	No	5/A8.3, 8/A8.3	Yes	Yes	Yes
411	0	Fourth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
412	0	Fourth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
413	1	Fourth Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
414	1	Fourth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
415	0	Fourth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
416	0	Fourth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
417	1	Fourth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
418	1	Fourth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
419	2	Fourth Floor	676 SF	No	4/A8.1	Yes	Yes	Yes
501	2	Fifth Floor	672 SF	No	4/A8.1	Yes	Yes	Yes
502	1	Fifth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
503	1	Fifth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
504	0	Fifth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
505	0	Fifth Floor	377 SF	Yes	6/A8.2, 9/A8.2, 12/A8.2, 15/A8.2	Yes	Yes	Yes
506	1	Fifth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
507	1	Fifth Floor	475 SF	Yes	5/A8.2, 8/A8.2, 12/A8.2, 14/A8.2	Yes	Yes	Yes
508	0	Fifth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
509	0	Fifth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
510	1A	Fifth Floor	495 SF	No	5/A8.3, 8/A8.3	Yes	Yes	Yes
511	0	Fifth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
512	0	Fifth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
513	1	Fifth Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
514	1	Fifth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
515	0	Fifth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
516	0	Fifth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
517	1	Fifth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
518	1	Fifth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
519	2	Fifth Floor	676 SF	No	4/A8.1	Yes	Yes	Yes
601	2	Sixth Floor	672 SF	No	4/A8.1	Yes	Yes	Yes
602	1	Sixth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
603	1	Sixth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
604	0	Sixth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
605	0	Sixth Floor	377 SF	Yes	6/A8.2, 9/A8.2, 12/A8.2, 15/A8.2	Yes	Yes	Yes
606	1	Sixth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
607	1	Sixth Floor	475 SF	Yes	5/A8.2, 8/A8.2, 12/A8.2, 14/A8.2	Yes	Yes	Yes
608	0	Sixth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
609	0	Sixth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
610	1A	Sixth Floor	495 SF	No	5/A8.3, 8/A8.3	Yes	Yes	Yes
611	0	Sixth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
612	0	Sixth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
613	1	Sixth Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
614	1	Sixth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
615	0	Sixth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
616	0	Sixth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
617	1	Sixth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
618	1	Sixth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
619	2	Sixth Floor	676 SF	No	4/A8.1	Yes	Yes	Yes
701	2	Seventh Floor	672 SF	No	4/A8.1	Yes	Yes	Yes
702	1	Seventh Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
703	1	Seventh Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
704	0	Seventh Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
705	0	Seventh Floor	377 SF	Yes	6/A8.2, 9/A8.2, 12/A8.2, 15/A8.2	Yes	Yes	Yes
706	1	Seventh Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
707	1	Seventh Floor	475 SF	Yes	5/A8.2, 8/A8.2, 12/A8.2, 14/A8.2	Yes	Yes	Yes
708	0	Seventh Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
709	0	Seventh Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
710	1A	Seventh Floor	495 SF	No	5/A8.3, 8/A8.3	Yes	Yes	Yes
711	0	Seventh Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
712	0	Seventh Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
713	1	Seventh Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
714	1	Seventh Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
715	0	Seventh Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
716	0	Seventh Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
717	1	Seventh Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
718	1	Seventh Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
719	2	Seventh Floor	676 SF	No	4/A8.1	Yes	Yes	Yes

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Master Schedule Building A

NTS

Finish Index

Material Code	Material Name	Manufacturer	Collection	Size	Color Number	Color Name	Installation Method	Comments
ETR	EXISTING TO REMAIN							
FLOOR FINISH								
LVT 1	LUXURY VINYL TILE	GERFLOR	CREATION CLIC SYSTEM	7" x 39"	#0360	DEEP FOREST	FLOATING	REMOVE AND REINSTALL PLUMBING FIXTURES AS NEEDED FOR CONTINUOUS FLOORING BENEATH.
TRIM & BASE FINISH								
WD 1	WOOD BASE - PAINTED	SHERWIN WILLIAMS					SEMI-GLOSS FINISH	PROFILE TO MATCH EXISTING, ADD SHOE MOLDING. SEE DETAIL 3/A9.1
WALL FINISH								
PTD 1	PAINT	SHERWIN WILLIAMS				MATCH EXISTING	EGGSHELL FINISH	
MILLWORK FINISH								
STN WD	STAINED WOOD (VERTICAL)	SHERWIN WILLIAMS				TBD BY OWNER	STAIN GRADE PLYWOOD	
PLAM 1	PLASTIC LAMINATE (HORIZONTAL)	FORMICA	STANDARD			TBD BY OWNER		ALL COUNTERTOPS, U.N.O.
SSM 1	SOLID SURFACE	FORMICA				TBD BY OWNER		ALL RESTROOM COUNTERTOPS W/ 816P INTEGRAL SINK
CEILING FINISH								
PTD 2	PAINT	SHERWIN WILLIAMS				CEILING WHITE	EGGSHELL FINISH	
ACT 1	ACOUSTIC CEILING TILE	ARMSTRONG				MATCH EXISTING		
MISCELLANEOUS FINISH								
	DOORS	SHERWIN WILLIAMS				MATCH EXISTING	SEMI-GLOSS FINISH	ALL DOOR SIDES ADJACENT TO NEW PAINTED WALLS TO BE PAINTED (INCLUDING EXISTING DOORS)
	DOOR FRAMES	SHERWIN WILLIAMS				MATCH EXISTING	SEMI-GLOSS FINISH	ALL DOOR FRAMES ADJACENT TO NEW PAINTED WALLS TO BE PAINTED UNTIL STOP

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Finish Index

NTS

Building B Schedule

Number	Type	Name	Level	Area	ADA Accessible	Kitchen Casework	Flooring	Shoe Molding	Paint Walls & Ceilings
120	2	Area	First Floor	671 SF	No	4/A8.1	Yes	Yes	Yes
121	1	Area	First Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
122	1	Area	First Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
123	0	Area	First Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
124	0	Area	First Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
125	1	Area	First Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
126	1	Area	First Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
127	0	Area	First Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
128	0	Area	First Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
130	0	Area	First Floor	375 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
131	0	Area	First Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
132	1	Area	First Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
133	1	Area	First Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
134	0	Area	First Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
135	0	Area	First Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
136	1	Area	First Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
137	1	Area	First Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
138	2	Area	First Floor	662 SF	No	4/A8.1	Yes	Yes	Yes
220	2	Area	Second Floor	671 SF	No	4/A8.1	Yes	Yes	Yes
221	1	Area	Second Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
222	1	Area	Second Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
223	0	Area	Second Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
224	0	Area	Second Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
225	1	Area	Second Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
226	1	Area	Second Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
227	0	Area	Second Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
228	0	Area	Second Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
229	1	Area	Second Floor	542 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
230	0	Area	Second Floor	375 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
231	0	Area	Second Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
232	1	Area	Second Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
233	1	Area	Second Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
234	0	Area	Second Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
235	0	Area	Second Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
236	1	Area	Second Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
237	1	Area	Second Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
238	2	Area	Second Floor	662 SF	No	4/A8.1	Yes	Yes	Yes
320	2	Area	Third Floor	671 SF	No	4/A8.1	Yes	Yes	Yes
321	1	Area	Third Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
322	1	Area	Third Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
323	0	Area	Third Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
324	0	Area	Third Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
325	1	Area	Third Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
326	1	Area	Third Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
327	0	Area	Third Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
328	0	Area	Third Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
329	1	Area	Third Floor	542 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
330	0	Area	Third Floor	375 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
331	0	Area	Third Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
332	1	Area	Third Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
333	1	Area	Third Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
334	0	Area	Third Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
335	0	Area	Third Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
336	1	Area	Third Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
337	1	Area	Third Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
338	2	Area	Third Floor	662 SF	No	4/A8.1	Yes	Yes	Yes
420	2	Area	Fourth Floor	671 SF	No	4/A8.1	Yes	Yes	Yes
421	1	Area	Fourth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
422	1	Area	Fourth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
423	0	Area	Fourth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
424	0	Area	Fourth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
425	1	Area	Fourth Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
426	1	Area	Fourth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
427	0	Area	Fourth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
428	0	Area	Fourth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
429	1	Area	Fourth Floor	542 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
430	0	Area	Fourth Floor	375 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
431	0	Area	Fourth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
432	1	Area	Fourth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
433	1	Area	Fourth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
434	0	Area	Fourth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
435	0	Area	Fourth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
436	1	Area	Fourth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
437	1	Area	Fourth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
438	2	Area	Fourth Floor	662 SF	No	4/A8.1	Yes	Yes	Yes
520	2	Area	Fifth Floor	671 SF	No	4/A8.1	Yes	Yes	Yes
521	1	Area	Fifth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
522	1	Area	Fifth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
523	0	Area	Fifth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
524	0	Area	Fifth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
525	1	Area	Fifth Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
526	1	Area	Fifth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
527	0	Area	Fifth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
528	0	Area	Fifth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
529	1	Area	Fifth Floor	542 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
530	0	Area	Fifth Floor	375 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
531	0	Area	Fifth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
532	1	Area	Fifth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
533	1	Area	Fifth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
534	0	Area	Fifth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
535	0	Area	Fifth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
536	1	Area	Fifth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
537	1	Area	Fifth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
538	2	Area	Fifth Floor	662 SF	No	4/A8.1	Yes	Yes	Yes
620	2	Area	Sixth Floor	671 SF	No	4/A8.1	Yes	Yes	Yes
621	1	Area	Sixth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
622	1	Area	Sixth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
623	0	Area	Sixth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
624	0	Area	Sixth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
625	1	Area	Sixth Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
626	1	Area	Sixth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
627	0	Area	Sixth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
628	0	Area	Sixth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
629	1	Area	Sixth Floor	542 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
630	0	Area	Sixth Floor	375 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
631	0	Area	Sixth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
632	1	Area	Sixth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
633	1	Area	Sixth Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
634	0	Area	Sixth Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
635	0	Area	Sixth Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
636	1	Area	Sixth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
637	1	Area	Sixth Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
638	2	Area	Sixth Floor	662 SF	No	4/A8.1	Yes	Yes	Yes
720	2	Area	Seventh Floor	671 SF	No	4/A8.1	Yes	Yes	Yes
721	1	Area	Seventh Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
722	1	Area	Seventh Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
723	0	Area	Seventh Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
724	0	Area	Seventh Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
725	1	Area	Seventh Floor	476 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
726	1	Area	Seventh Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
727	0	Area	Seventh Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
728	0	Area	Seventh Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
729	1	Area	Seventh Floor	542 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
730	0	Area	Seventh Floor	375 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
731	0	Area	Seventh Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
732	1	Area	Seventh Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
733	1	Area	Seventh Floor	475 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
734	0	Area	Seventh Floor	377 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
735	0	Area	Seventh Floor	376 SF	No	6/A8.1, 10/A8.1, 14/A8.1, 17/A8.1	Yes	Yes	Yes
736	1	Area	Seventh Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
737	1	Area	Seventh Floor	474 SF	No	5/A8.1, 9/A8.1, 13/A8.1, 16/A8.1	Yes	Yes	Yes
738	2	Area	Seventh Floor	662 SF	No	4/A8.1	Yes	Yes	Yes

1

Master Schedule Building B

NTS

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KCDC - Renovation at Guy B. Love Tower

1171 Armstrong Ave
Knoxville, TN 37917

MARKUS E. CHADY
No. 103854
11.7.19

Project Phase: Construction Documents

Issue Date: 11.07.2019

Revisions

No.	Descripton	Date

Job Number: 19089.00

Master Schedules & Notes

A0.0

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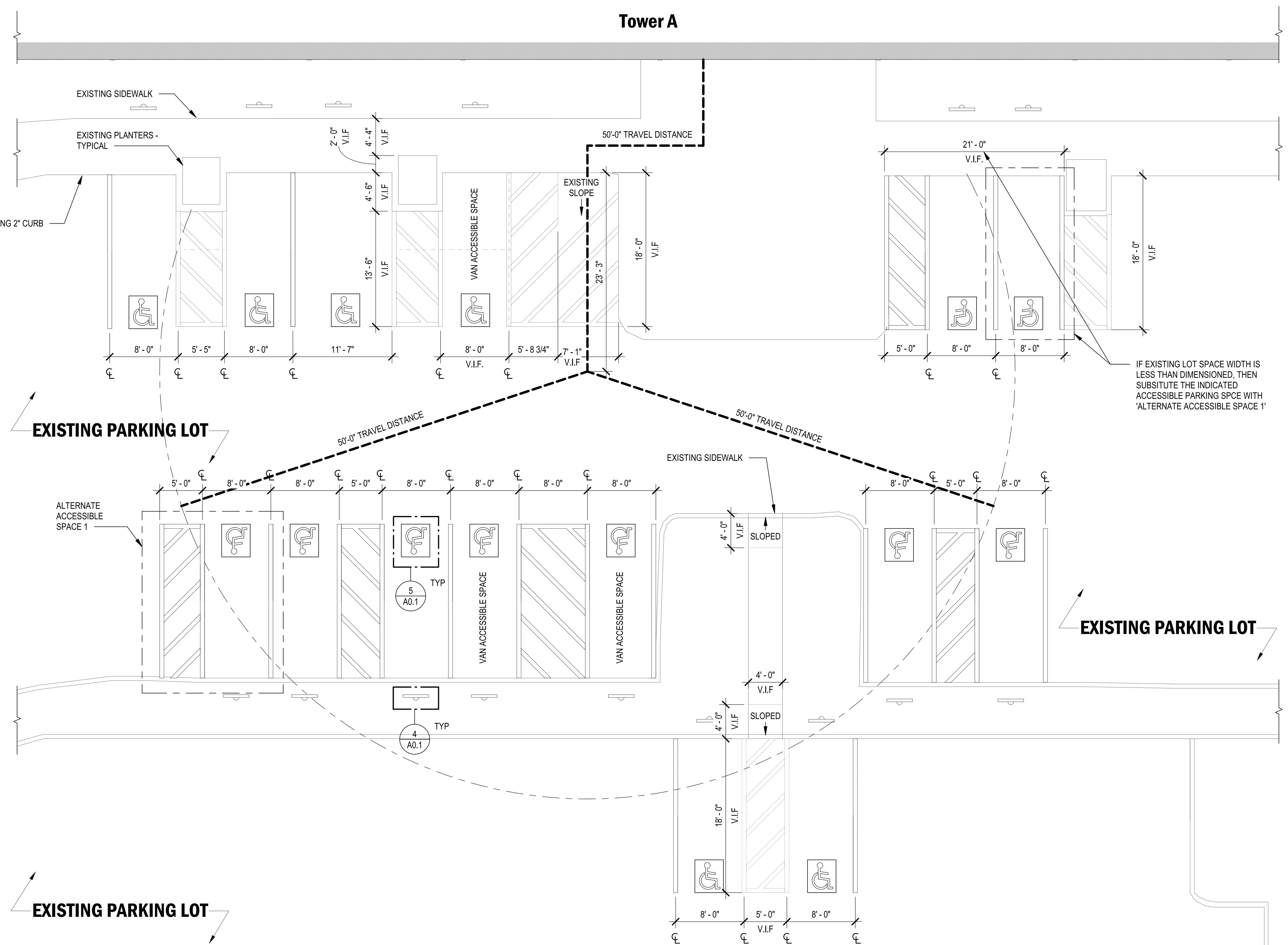
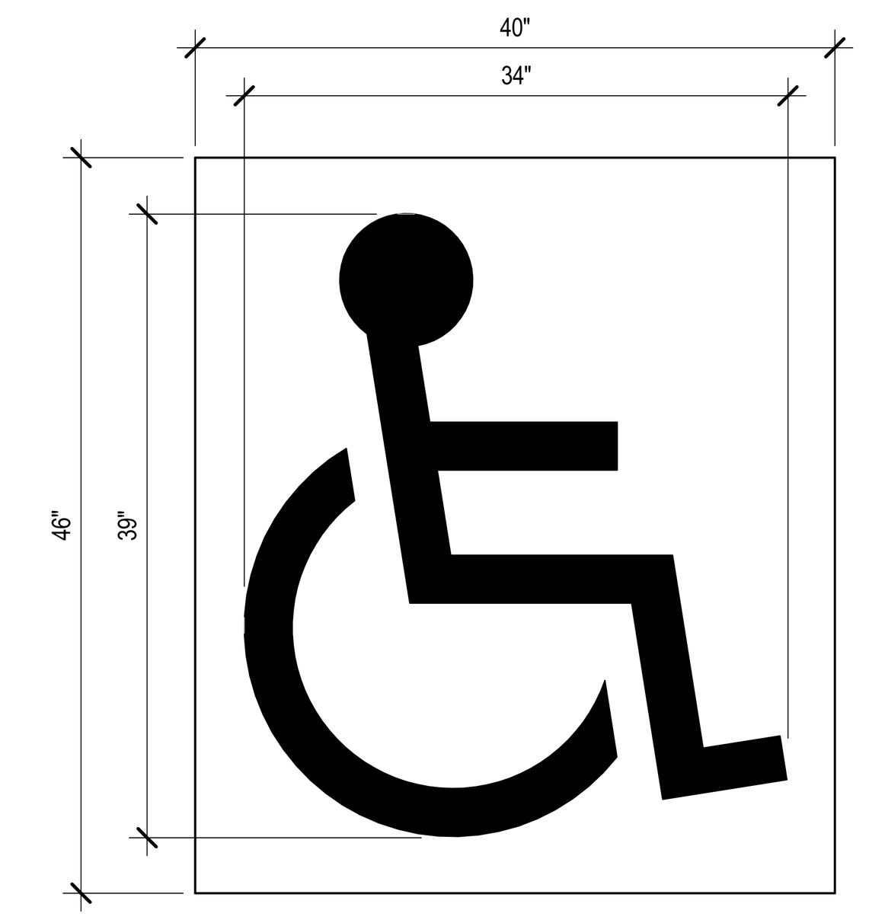


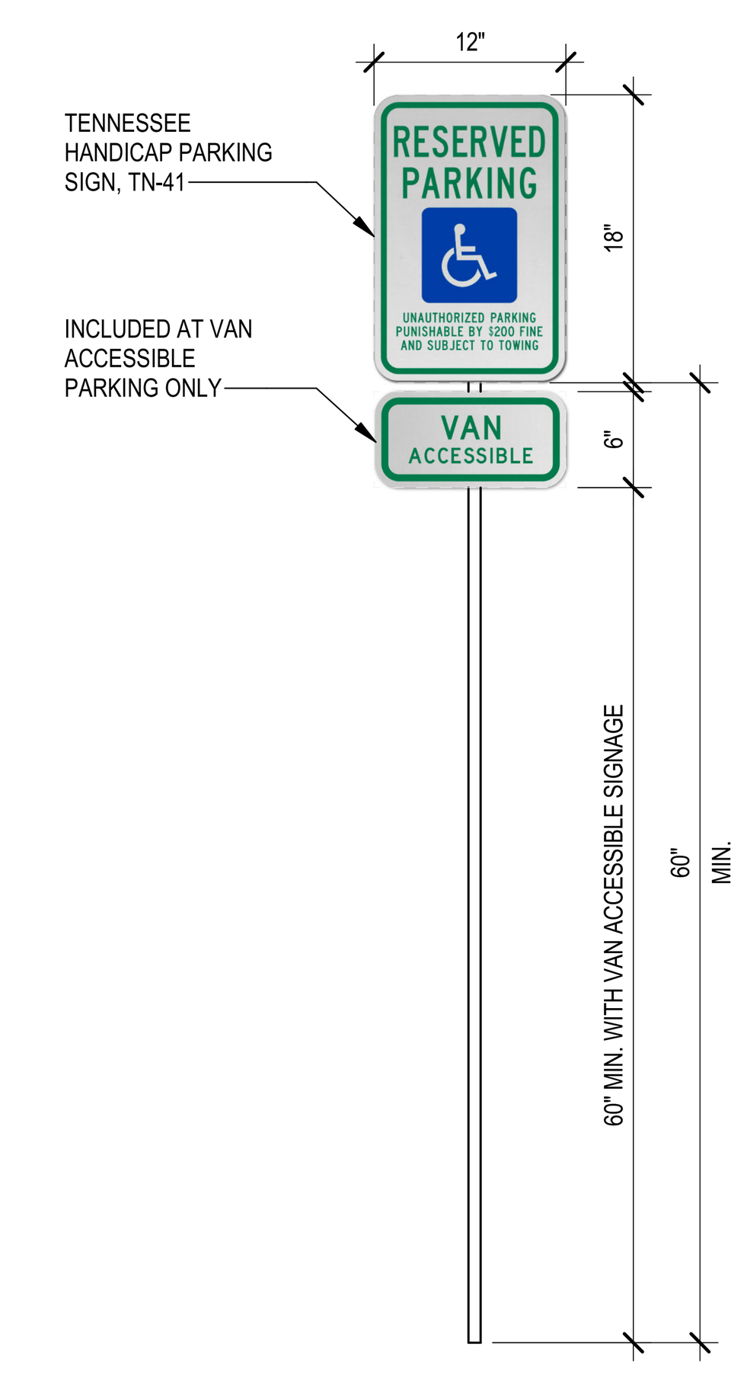
6 Enlarged Site Plan - Accessible Parking Layout
1/8" = 1'-0"



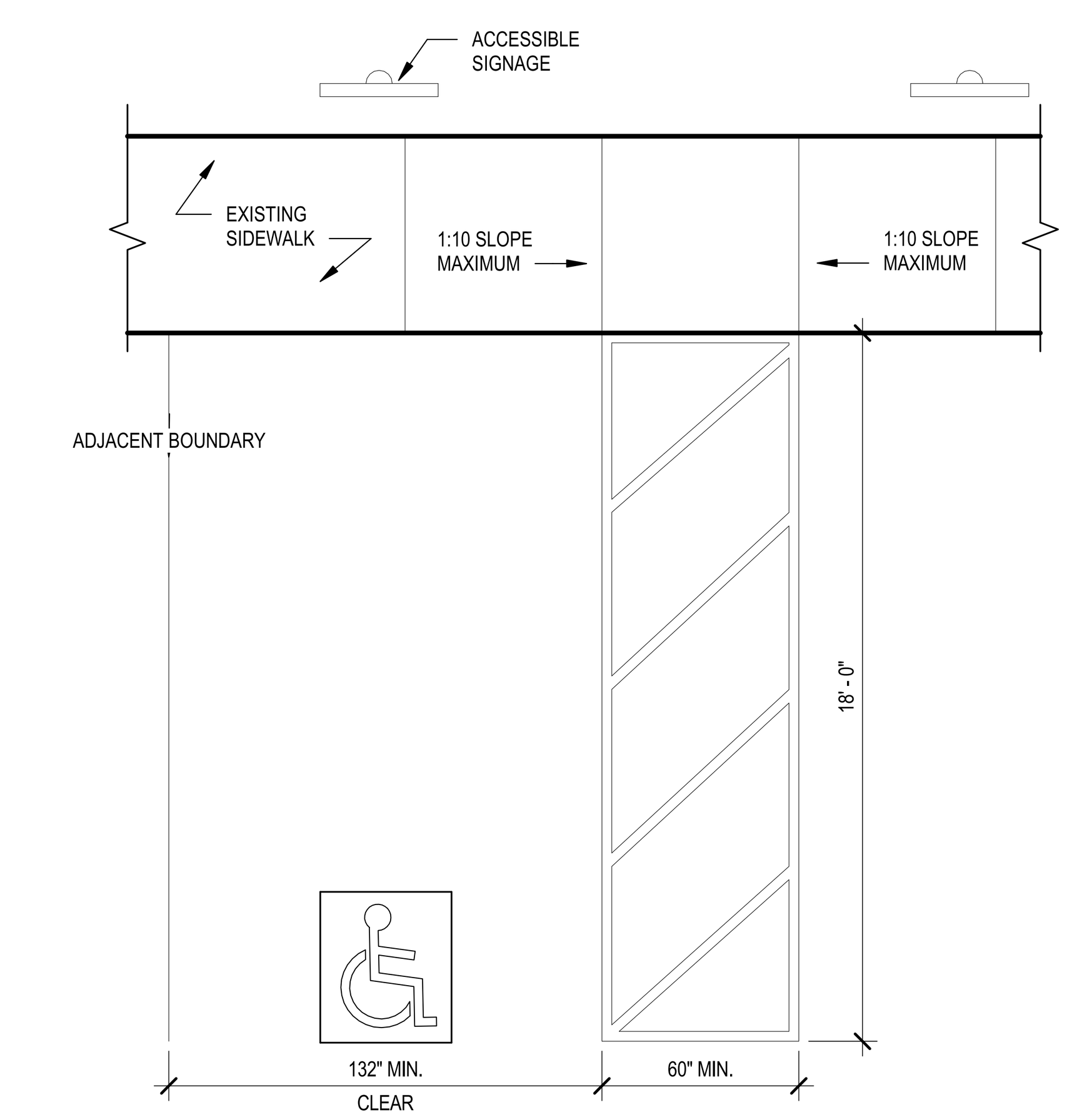
5 Handicap Striping Standard
1" = 1'-0"

ACCESSIBLE UNITS		
Total Accessible Units	14	
ACCESSIBLE SPACES	**BY CODE**	**PROVIDED**
Total Accessible Spaces	*14 (1/6 to be Van Accessible) *2018 IBC_1106.2.3: 1 Access Space / 1 Access Unit	11 Car accessible spaces 3 Van accessible spaces

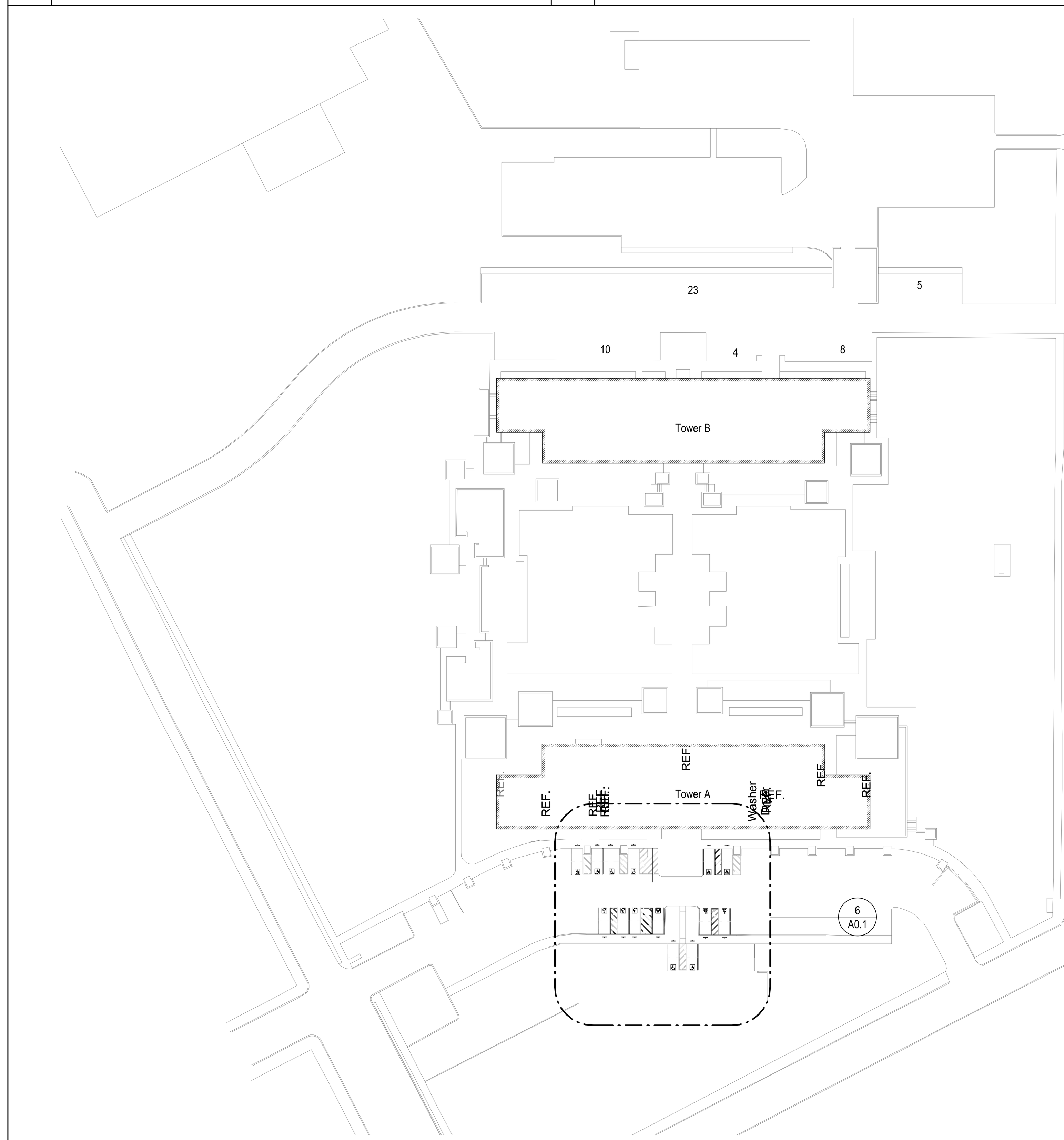
3 Parking Matrix



4 Parking Signage Standard
1" = 1'-0"



2 Enlarged Plan - Van Access Parking
1/4" = 1'-0"



1 Site Plan
1" = 60'-0"

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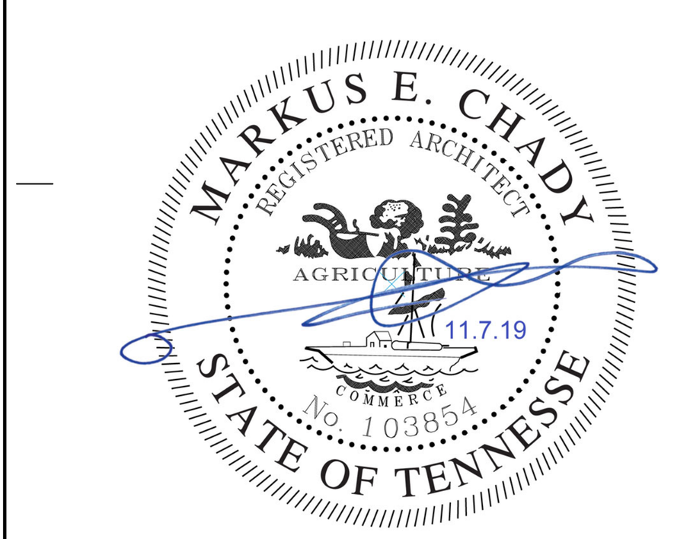

Project Phase: Construction Documents

Issue Date: 11.07.2019		
Revisions		
No.	**Descripton**	**Date**

Job Number: 19089.00

Architectural Site Plan

A0.1

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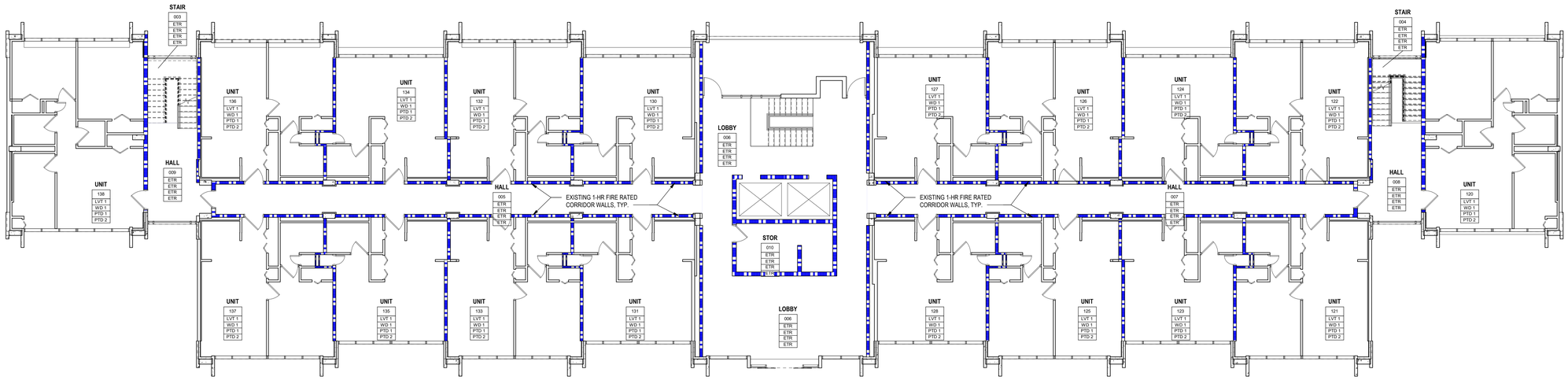
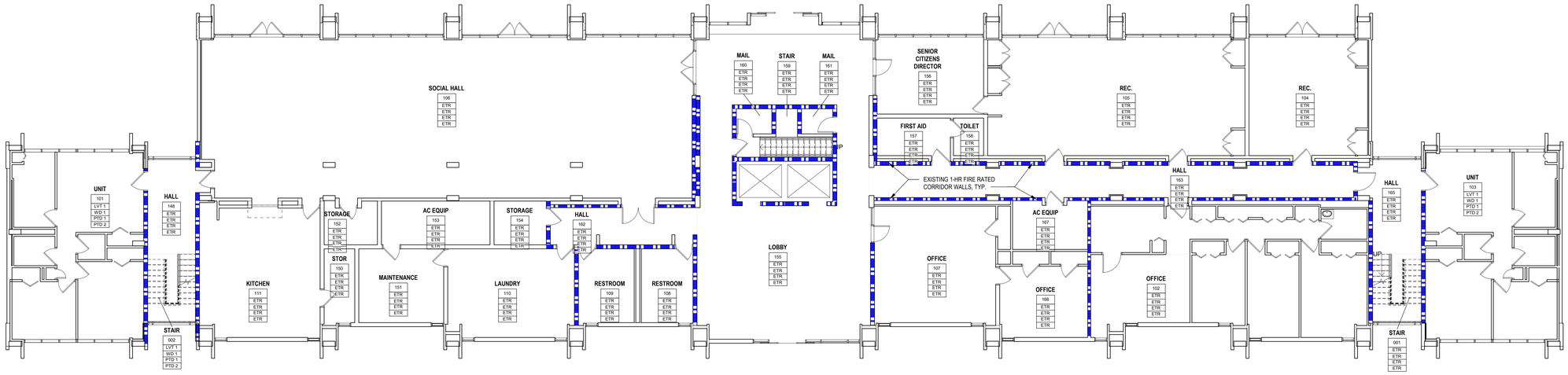
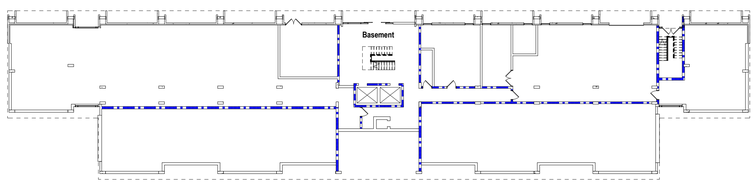


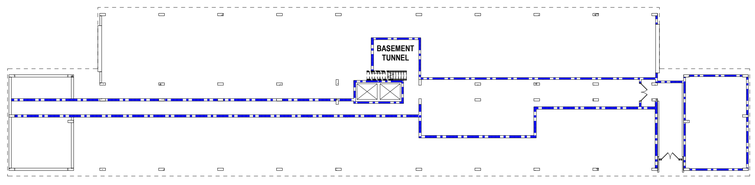
5 **Overall First Floor Plan - Building B**
1/8" = 1'-0"



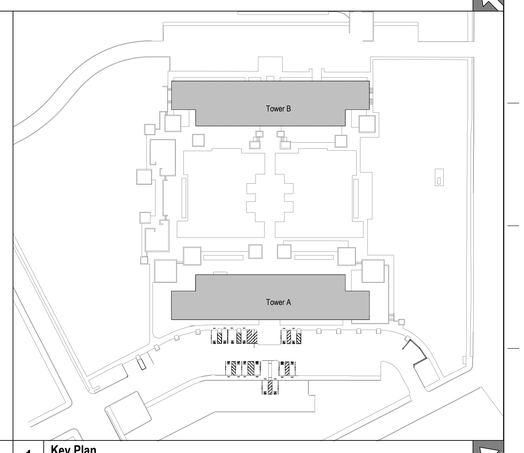
4 **Overall First Floor Plan - Building A**
1/8" = 1'-0"



3 **Overall Ground Floor Plan - Building B - For Reference**
3/64" = 1'-0"



2 **Overall Ground Floor Plan - Building A - For Reference**
3/64" = 1'-0"



1 **Key Plan**

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AGRICOLA
11.7.19
NO. 103857
STATE OF TENNESSEE

Project Phase: Construction Documents

Issue Date: 11.07.2019
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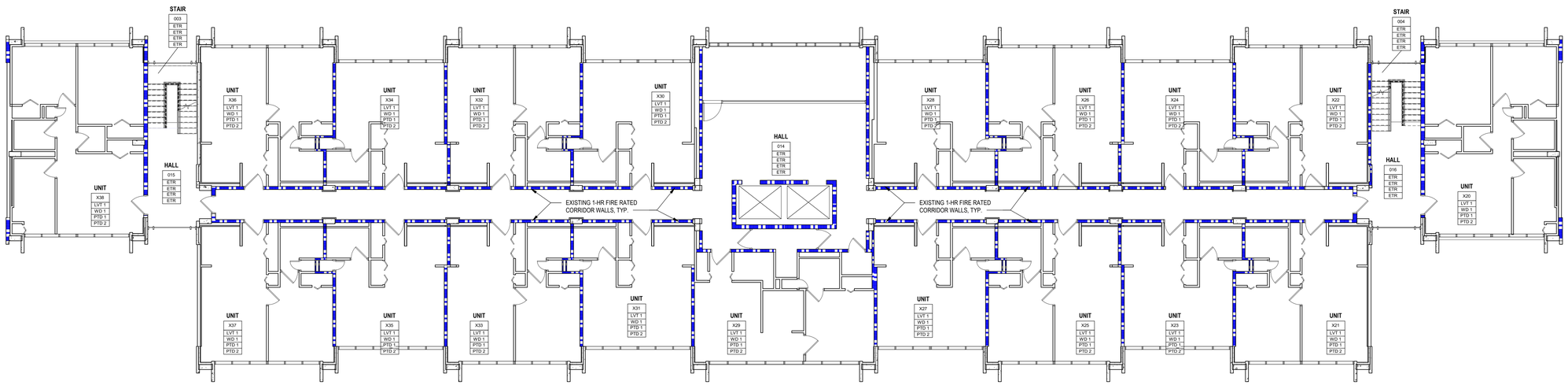
No.	Descripton	Date

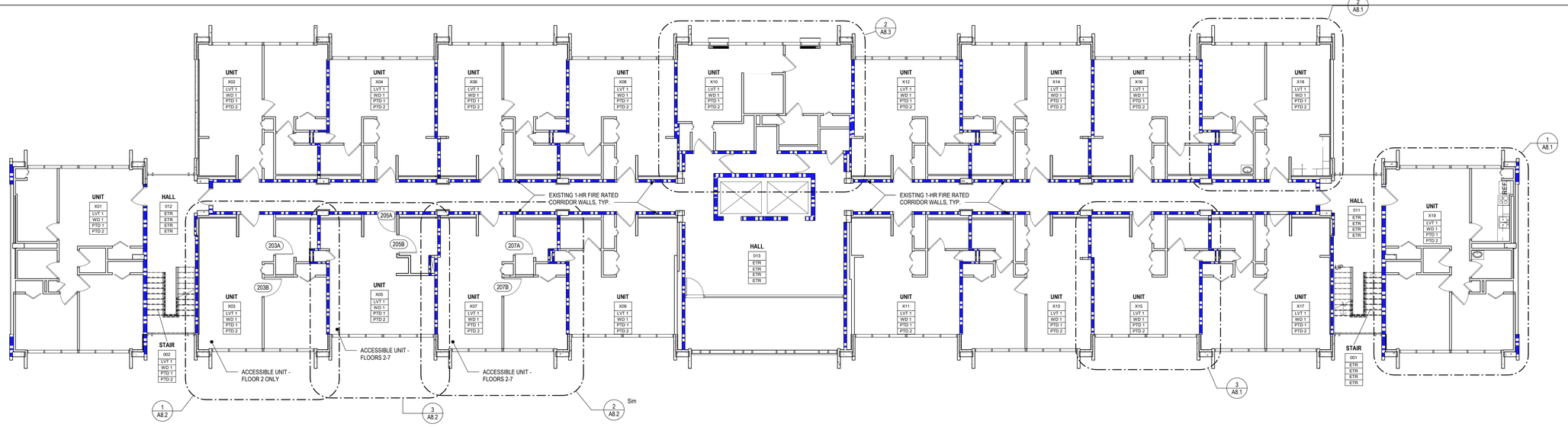
Job Number: 19089.00

Overall First Floor Plans

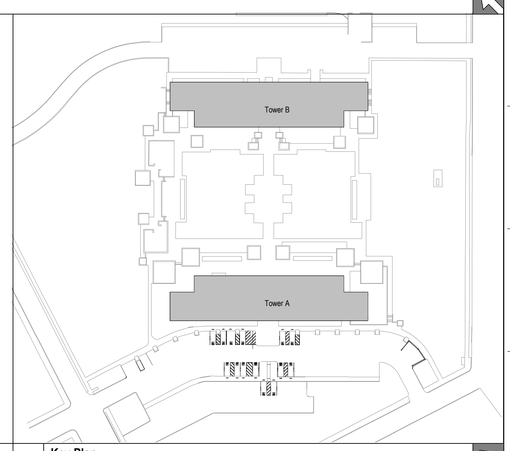
A1.1



3 **Overall Second Through Seventh Floor Plans - Building B**
1/8" = 1'-0"



2 **Overall Second Through Seventh Floor Plans - Building A**
1/8" = 1'-0"



1 **Key Plan**

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11.7.19
PERMIT
No. 109884
STATE OF TENNESSEE

Project Phase: Construction Documents

Issue Date: 11.07.2019

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Job Number: 19089.00

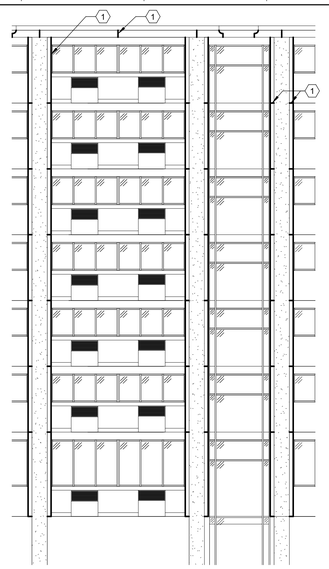
Overall Second Through Seventh Floor Plans

A1.2

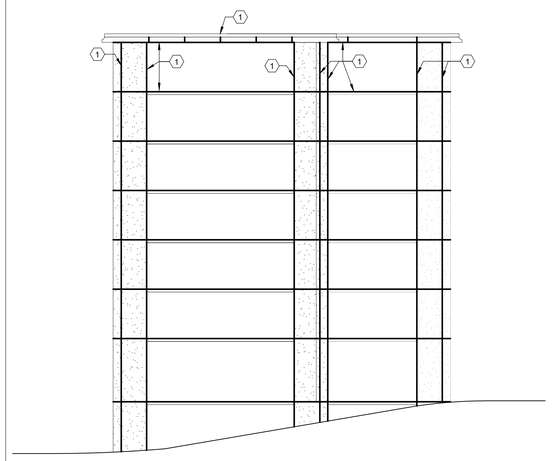
Date: 11/7/2019 2:53:57 PM
Drawn By: Author **Checked By:** Checker
File: C:\Revit Local Files\19089_Love_Central_vrvales.rvt

1. WHERE CAULK JOINTS OCCUR BETWEEN EXPOSED AGGREGATE CONCRETE SURFACES, CONTRACTOR IS TO: REMOVE THE EXISTING CAULK, CLEAN THE JOINT SLOT SO THAT IT IS DRY AND FREE OF ANY CONDITIONS THAT MAY INTERFERE WITH ADHESION OR CAULK PERFORMANCE, REPAIR THE SUBSTRATE AS REQUIRED, APPLY ANY BACKING OR BACKER ROD REQUIRED, AND RECAULK THE JOINT WITH AN EXTERIOR GRADE, WATERPROOF AND UV STABLE PRODUCT AS OUTLINED IN THE CONTRACT DOCUMENT SPECIFICATIONS. APPLY CAULK BEAD IN A UNIFORM MANNER THAT IS CONSISTENT WITH THE LOCATION AND APPLICATION OF THE JOINT SLOT RECEIVING THE REPAIR. CONTRACTOR IS TO PREVENT OR CLEAN ANY EXCESS OUTSIDE OF THE JOINT SLOT. COLOR TO MATCH THE EXISTING COLOR. LOCATIONS ARE GENERALLY DEPICTED ON ENLARGED BUILDING ELEVATIONS, CONTRACTOR VERIFY IN FEILD.
2. IF THE REPAIR IS TO OCCUR AT A LOCATION WHERE DISSIMILAR SUBSTRATES OCCUR AT THE SAME CAULK JOINT, CONTRACTOR MUST VERIFY WITH THE CAULK MANUFACTURER THAT THE PRODUCT USED IS SUITABLE FOR USE ON ALL SUBSTRATES.
3. CONTRACTOR IS TO VERIFY THAT THE PRODUCT IS SUITABLE FOR USE ON SPANS WHERE THE REPAIR IS TO OCCUR.
4. IF THREE POINT CONTACT IS TO OCCUR BETWEEN SUBSTRATES THAT HAVE DIFFERENTIAL EXPANSION AND CONTRACTION RATES, CONTRACTOR MUST VERIFY PRESENCE AND CONDITION OF EXISTING BOND BREAKER. IF NONE EXIST OR IS IN UNSUITABLE CONDITION, PROVIDE BOND BREAK TAPE OR OTHER SUITABLE BOND BREAKER ON THE SUBSTRATE WITH THE GREATEST DIFFERENCE IN COEFFICIENT OF EXPANSION.
5. APPLY CAULK ONLY WHEN AMBIENT TEMPERATURE IS WITHIN THE LIMITS AS OUTLINED BY THE CAULK MANUFACTURER.
6. APPLY SEALANT WHEN JOINT SLOT IS +/- 20% OF THE MID-POINT OF ITS DESIGNED EXPANSION AND CONSTRUCTION.
7. DISPOSE OF ALL SPILLAGE AND REFUSE SEALANT MATERIAL IN ACCORDANCE WITH APPLICABLE REGULATIONS.

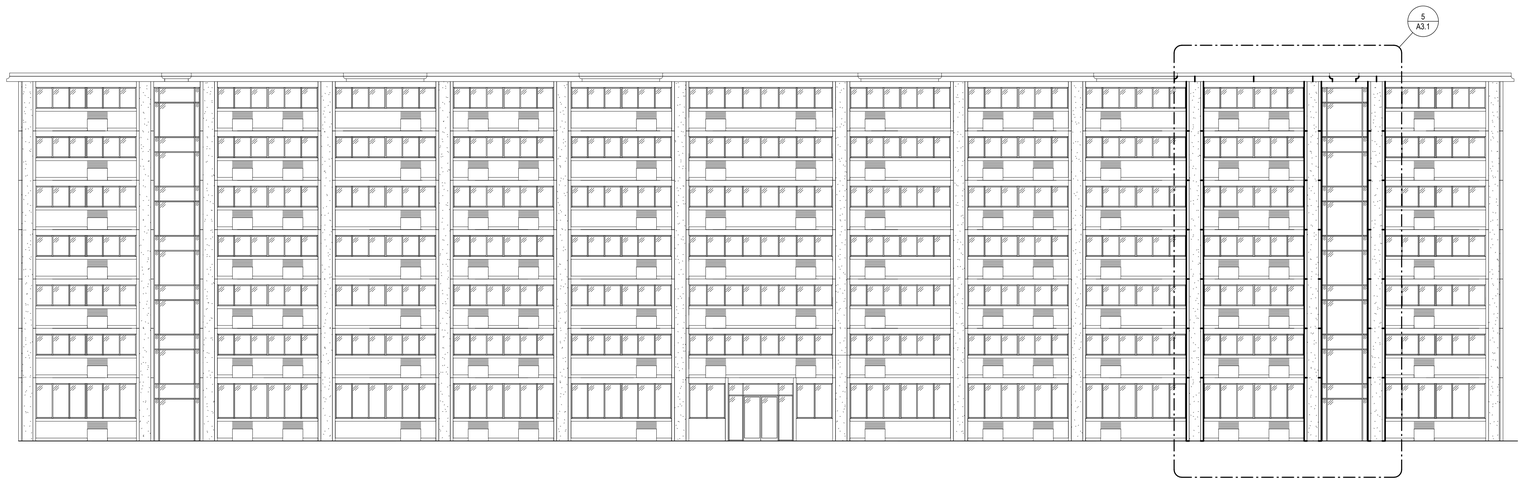
5 Elevation Notes



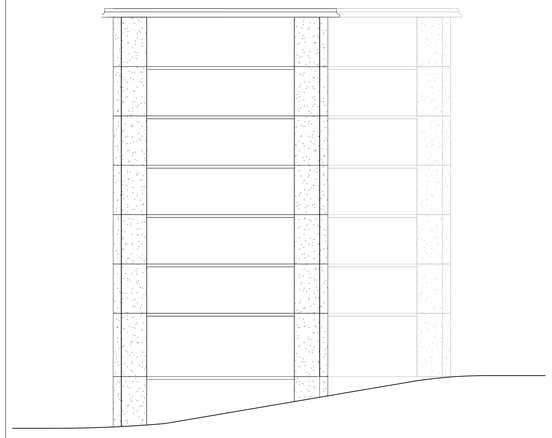
5 Typical Enlarged Building Elevation - A
1/8" = 1'-0"



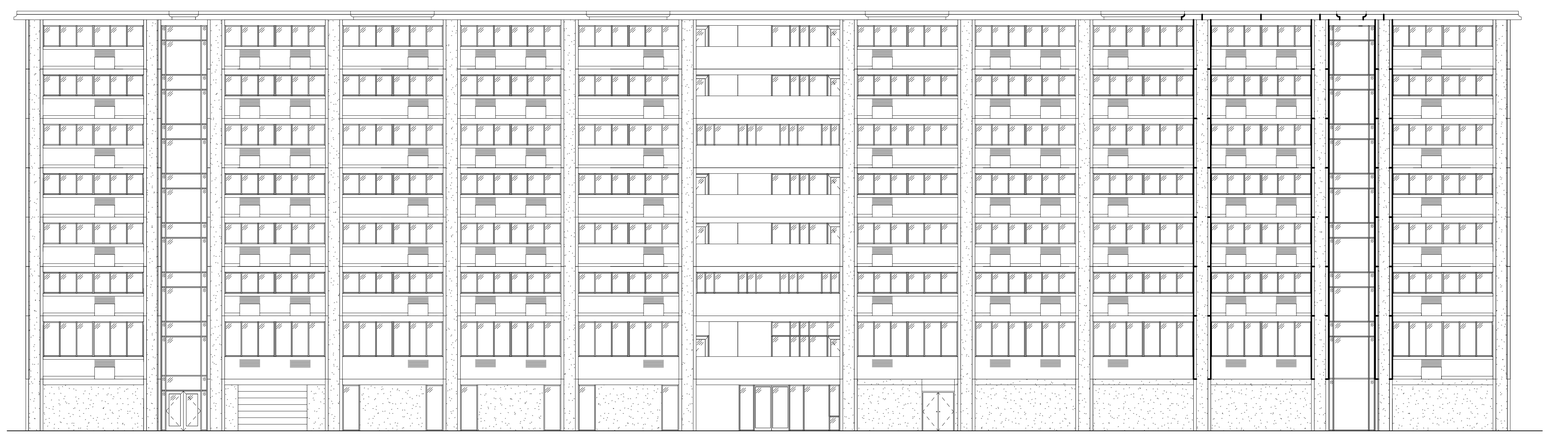
6 TypicalEnlarged Building Elevation - B
3/32" = 1'-0"



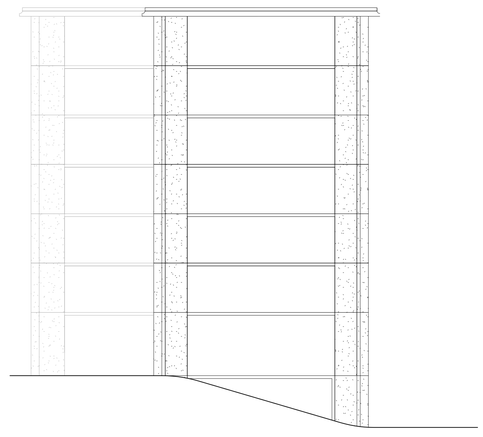
4 Elevation NE - Building B
3/32" = 1'-0"



2 Elevation SE - Building B
3/32" = 1'-0"



3 Elevation SW - Building B
3/32" = 1'-0"



1 Elevation NW - Building B
3/32" = 1'-0"

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No. 102854
STATE OF TENNESSEE

Project Phase: Construction Documents

Issue Date: 11.07.2019

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Job Number: 19089.00

Exterior Elevations - Building B

A3.1

Date: 11/7/2019 3:41:51 PM
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Date: 11/7/2019 3:09:38 PM
Drawn By: Author **Checked By:** Checker
File: C:\Revit Local Files\19089_Love_Central_vnoles.rvt

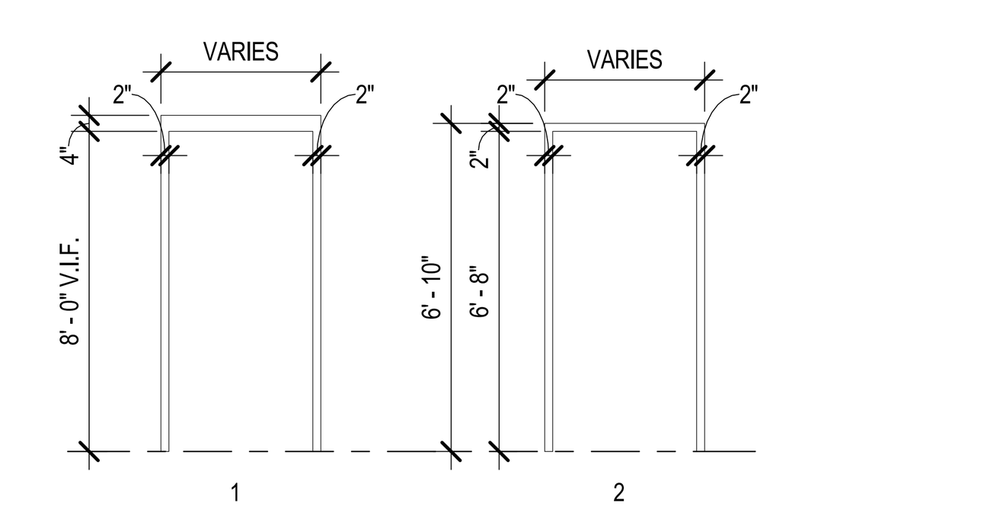
Door Schedule

Door Number	Width	Thickness	Door Material	Door Type	Leafs	Rough Width	Frame Material	Frame Type	Head	Jamb	Sill	Hardware Set #	To Room Number	Fire Rating
Door	Size					Frames: Rough Opening Size			Details					
203A	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	203	
203B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	203	
205A	3' - 0"	0' - 1 3/4"	WD	1	1	3' - 4"	HM	1	5/A8.1	4/A8.1	1/A6.1	1	205	20 MIN
205B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	205	
207A	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	207	
207B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	207	
305A	3' - 0"	0' - 1 3/4"	WD	1	1	3' - 4"	HM	1	5/A8.1	4/A8.1	1/A6.1	1	305	20 MIN
305B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	305	
307A	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	307	
307B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	307	
405A	3' - 0"	0' - 1 3/4"	WD	1	1	3' - 4"	HM	1	5/A8.1	4/A8.1	1/A6.1	1	405	20 MIN
405B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	405	
407A	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	407	
407B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	407	
505A	3' - 0"	0' - 1 3/4"	WD	1	1	3' - 4"	HM	1	5/A8.1	4/A8.1	1/A6.1	1	505	20 MIN
505B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	505	
507A	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	507	
507B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	507	
605A	3' - 0"	0' - 1 3/4"	WD	1	1	3' - 4"	HM	1	5/A8.1	4/A8.1	1/A6.1	1	605	20 MIN
605B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	605	
607A	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	607	
607B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	607	
705A	3' - 0"	0' - 1 3/4"	WD	1	1	3' - 4"	HM	1	5/A8.1	4/A8.1	1/A6.1	1	705	20 MIN
705B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	705	
707A	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	707	
707B	3' - 0"	0' - 1 3/4"	WD	2	1	3' - 4"	HM	2	7/A8.1	7/A8.1	1/A6.1	2	707	

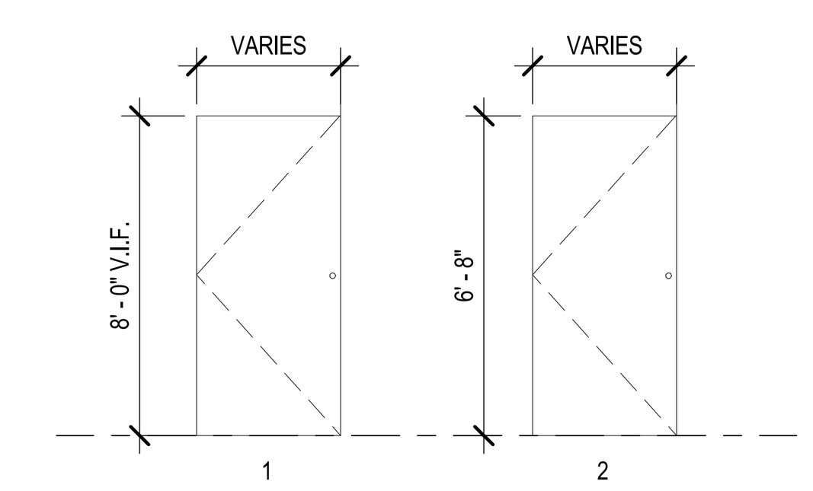
10 Door Schedule
NTS

DOOR HARDWARE SET #1 TO BE INSTALLED AT ALL EXISTING UNIT ENTRY DOORS. SEE DOOR HARDWARE SECTION 08 71 00 IN THE SPECIFICATIONS.

9 Door Hardware Note
NTS

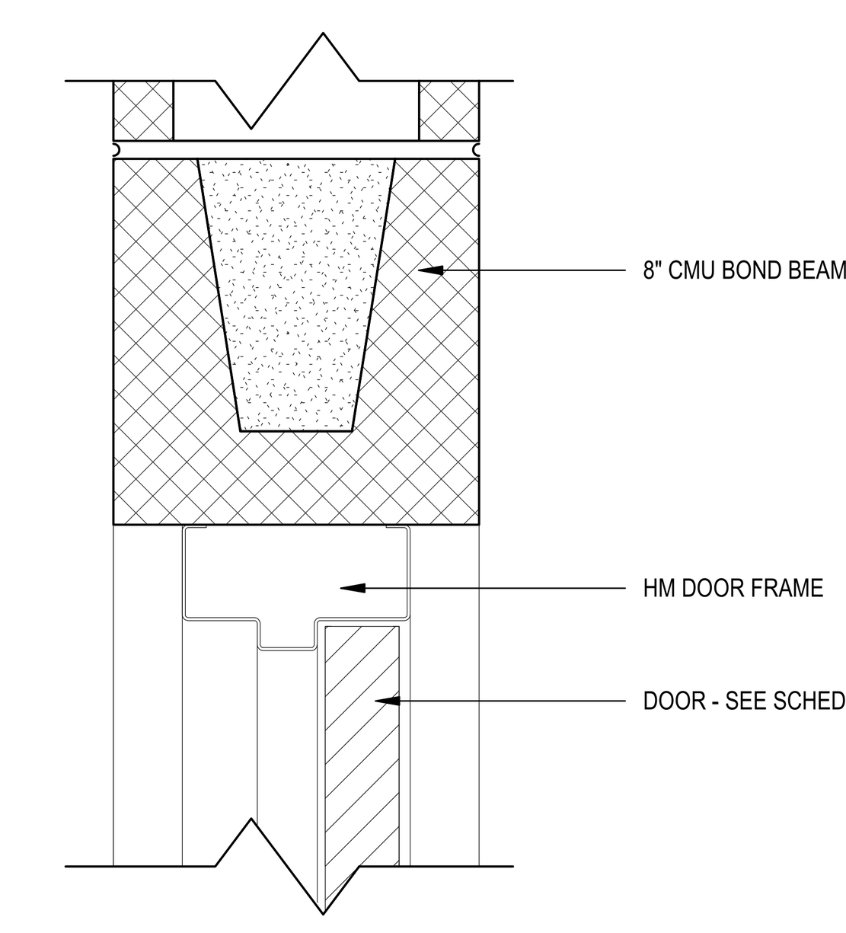


6 Door Frames Types
1/4"=1'-0"



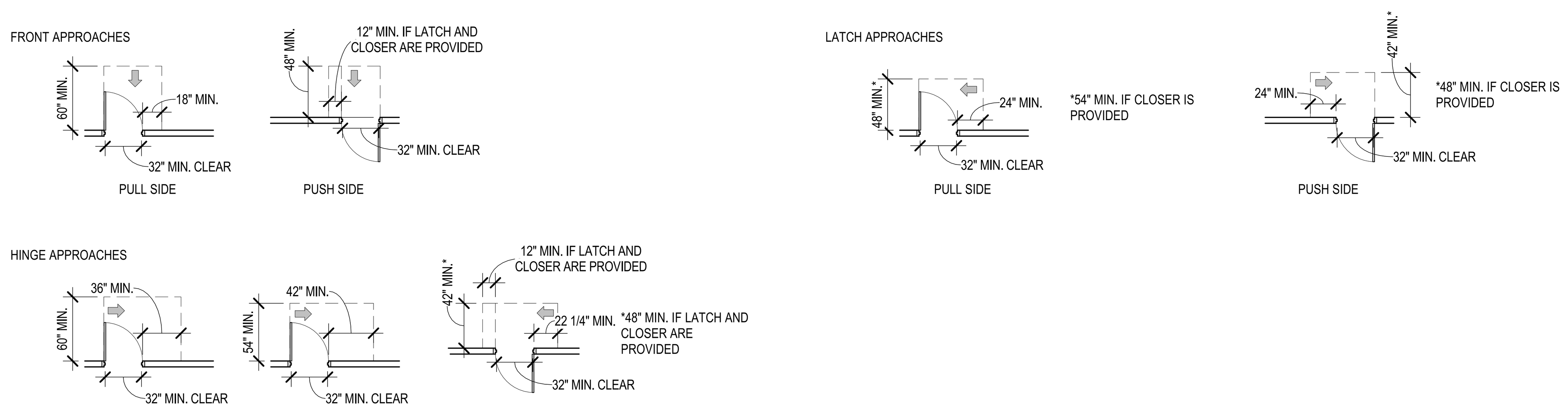
3 Door Types
1/4"=1'-0"

8 Not Used
NTS

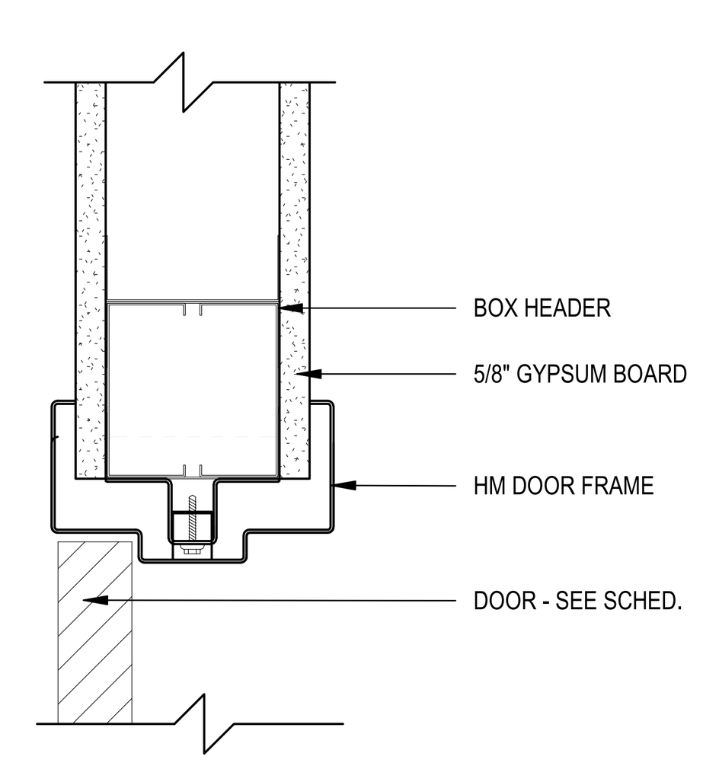


5 Interior Door Head Detail @ CMU
3" = 1'-0"

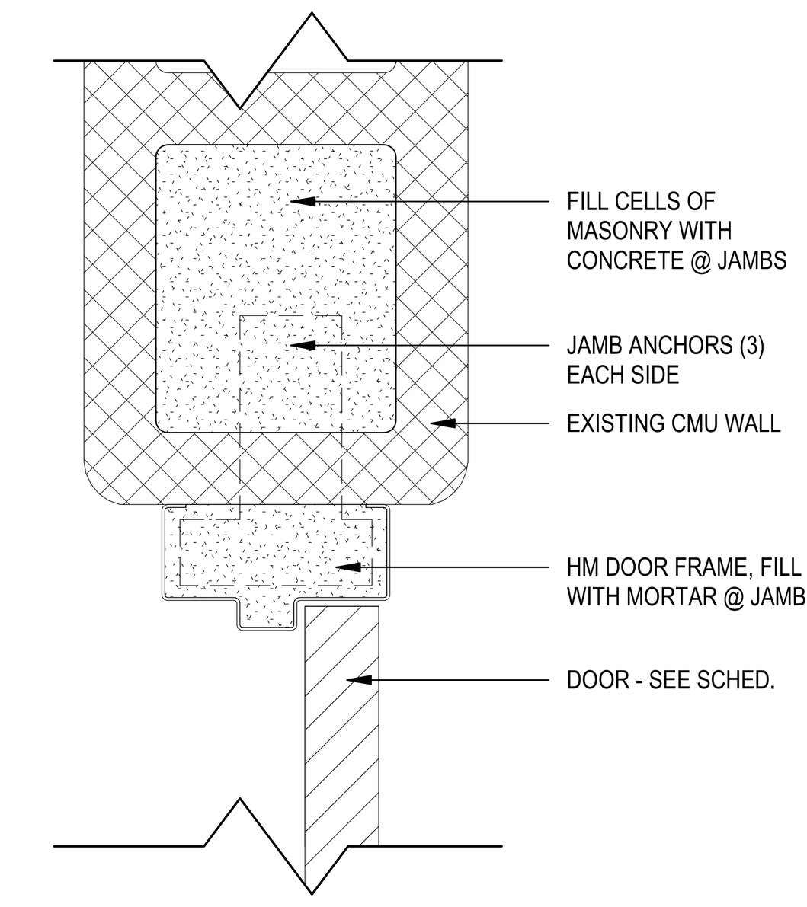
2 Not Used
NTS



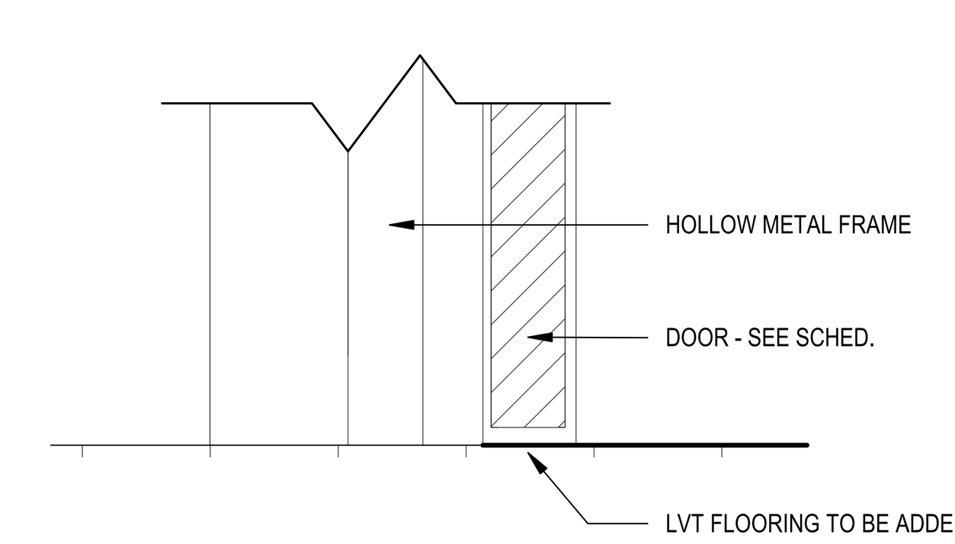
11 Access - Doorway Clearances
1/8" = 1'-0"



7 Interior Door Head / Jamb Detail @ GYP
3" = 1'-0"



4 Interior Door Jamb Detail @ CMU
3" = 1'-0"



1 Interior Door Sill Detail
3" = 1'-0"

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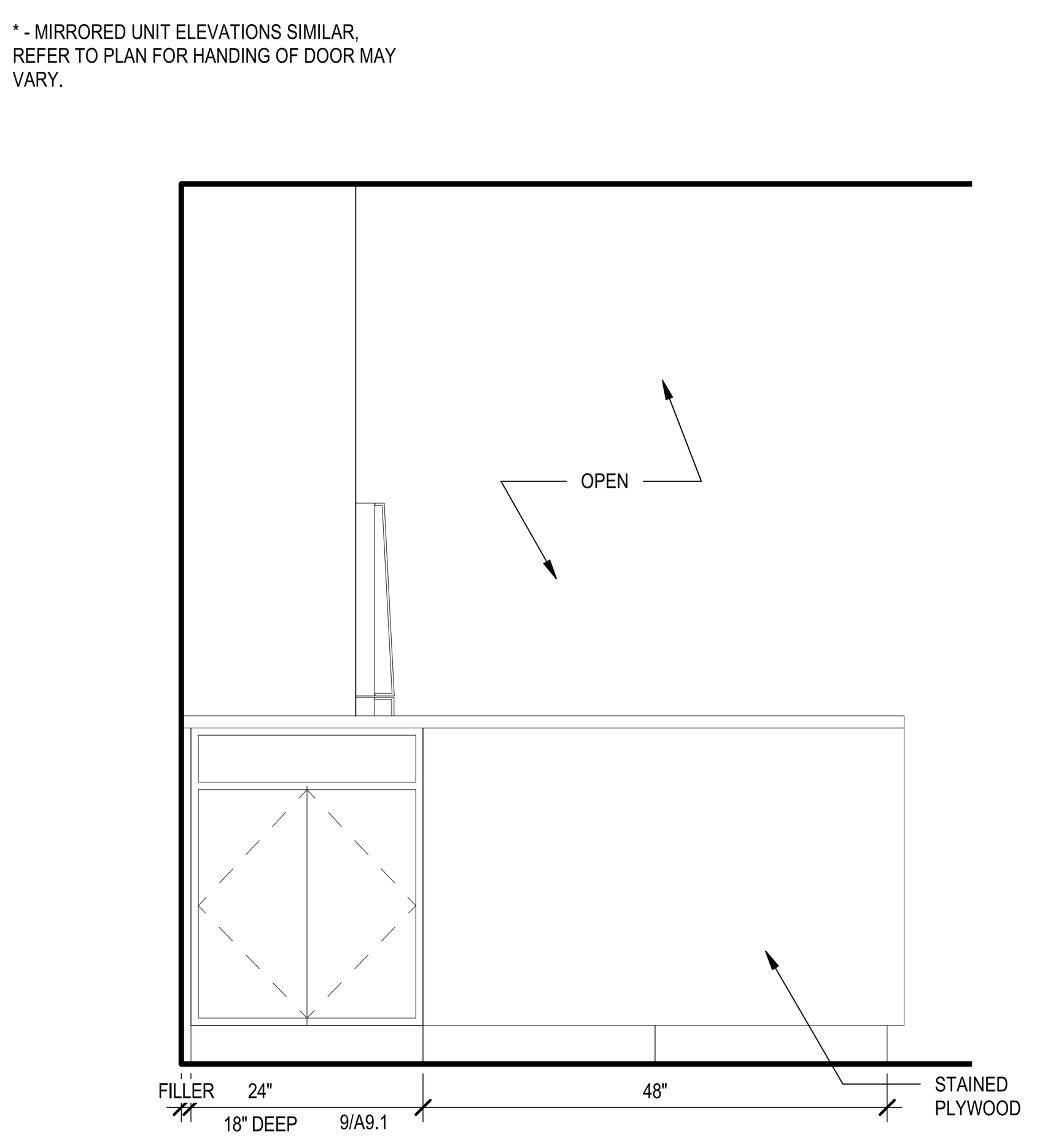
Project Phase: Construction Documents

Issue Date: 11.07.2019		
Revisions		
No.	Descripton	Date

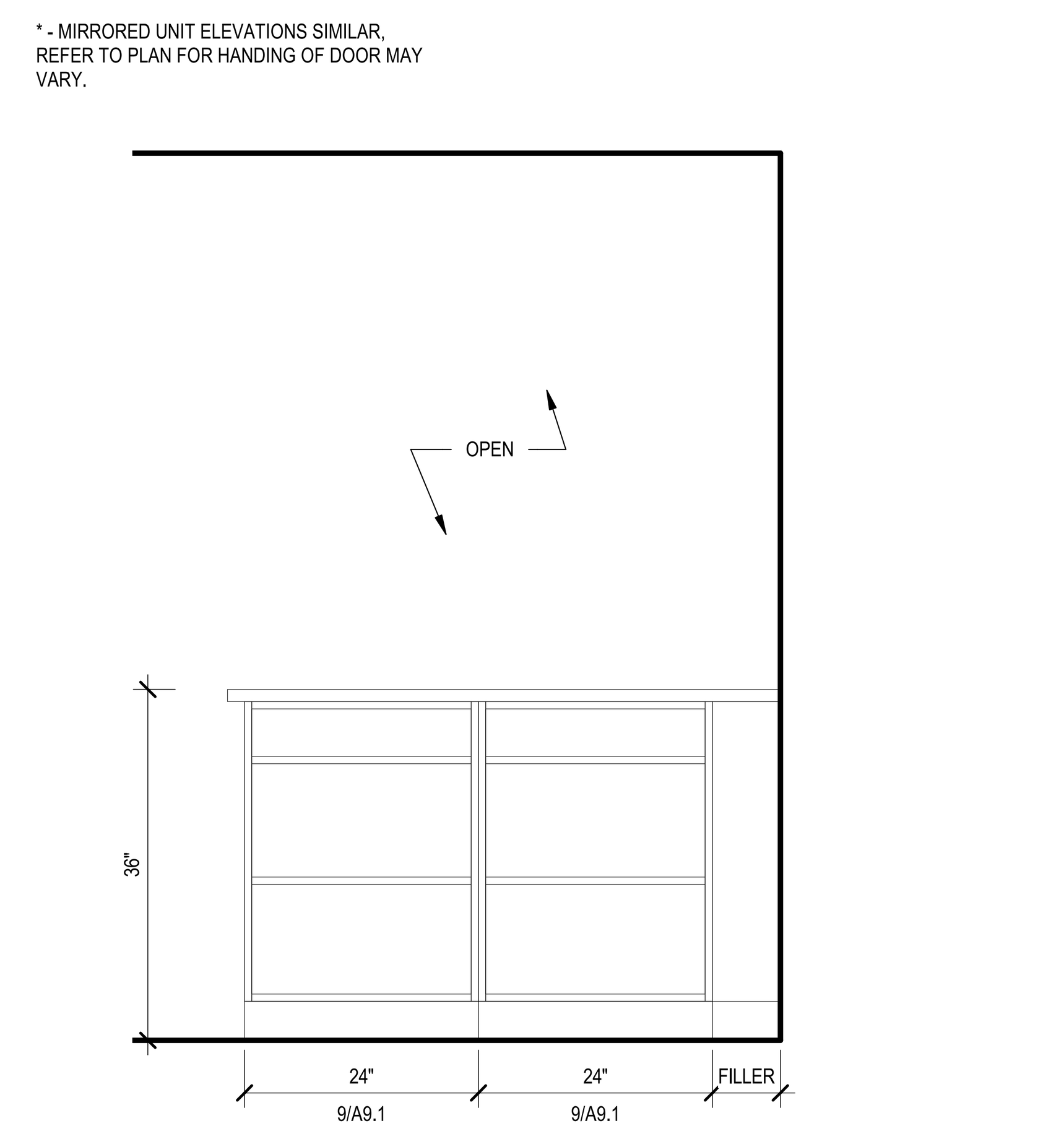
Job Number: 19089.00

Door Schedule, Elevations, & Details

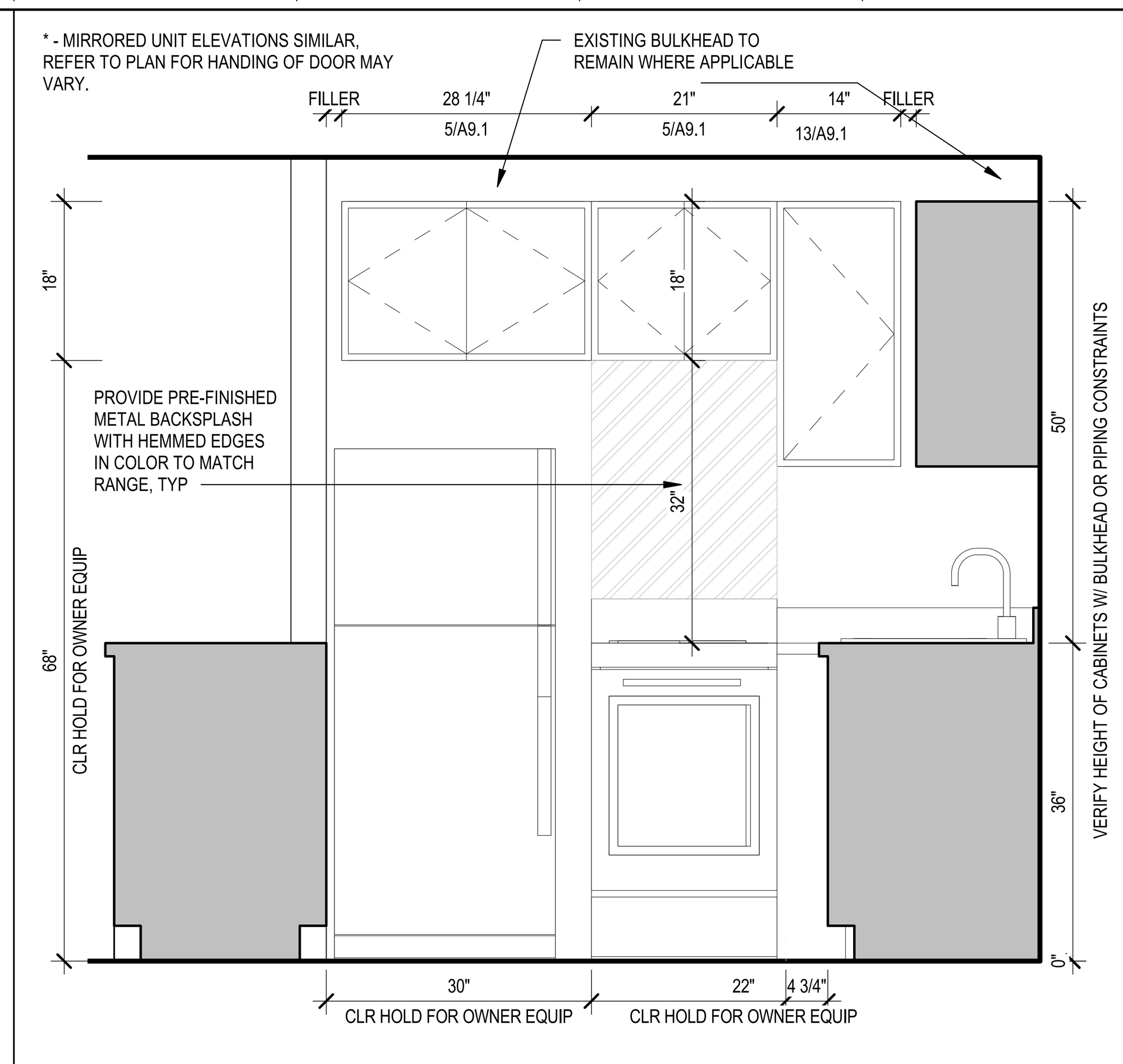
A6.1



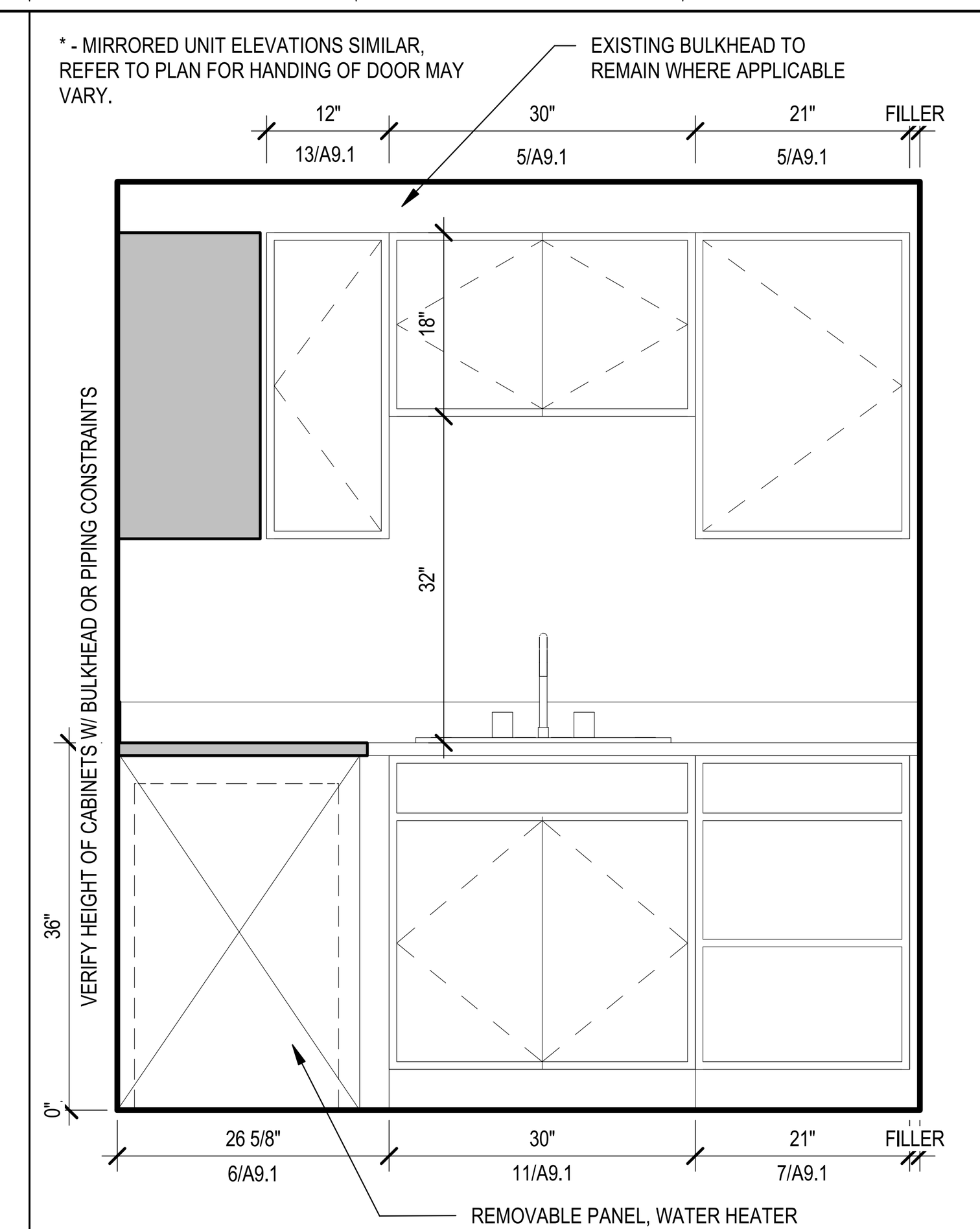
17 **Typical Kitchen Elevation D - Type 0**
3/4" = 1'-0"



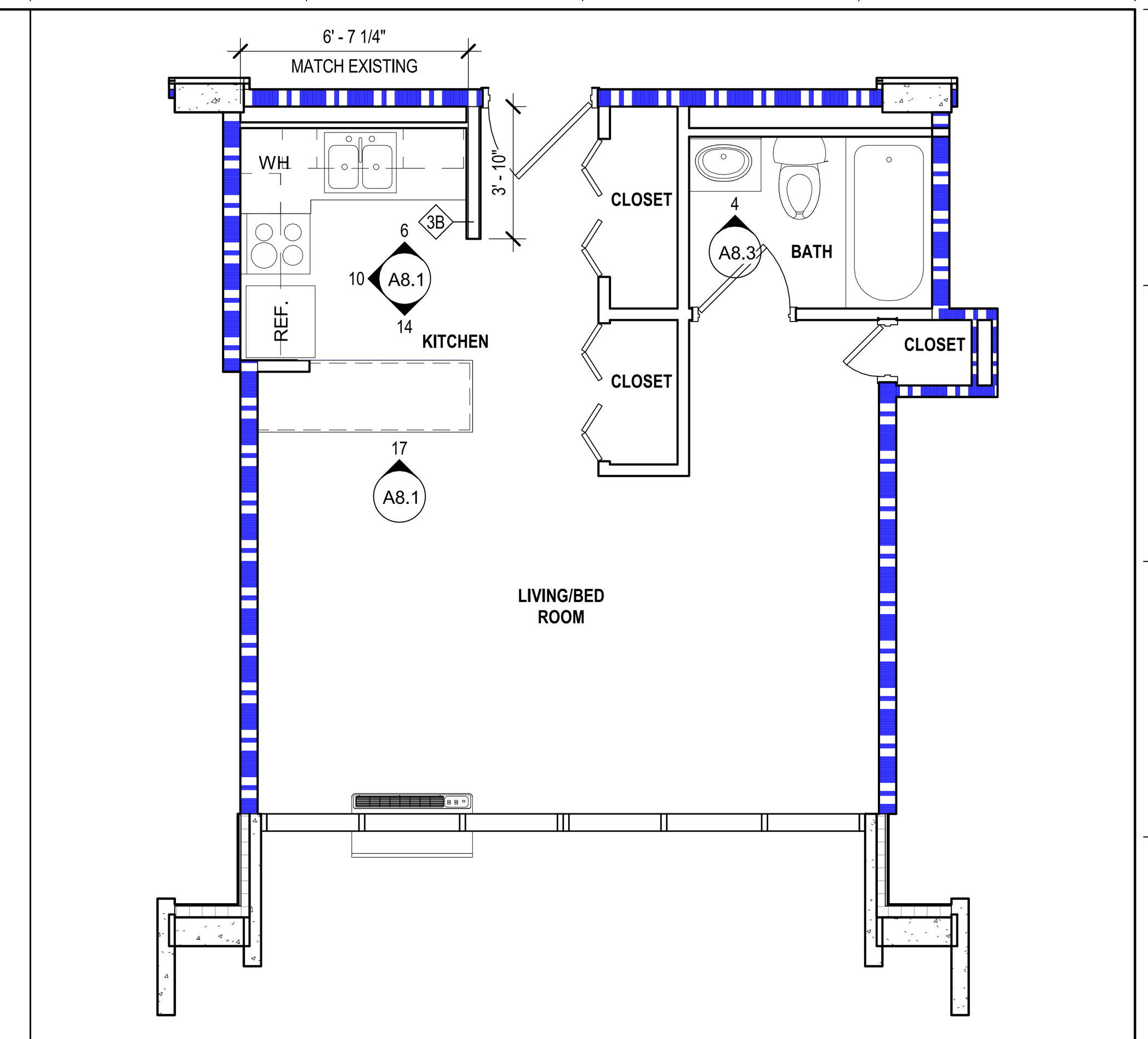
14 **Typical Kitchen Elevation C - Type 0**
3/4" = 1'-0"



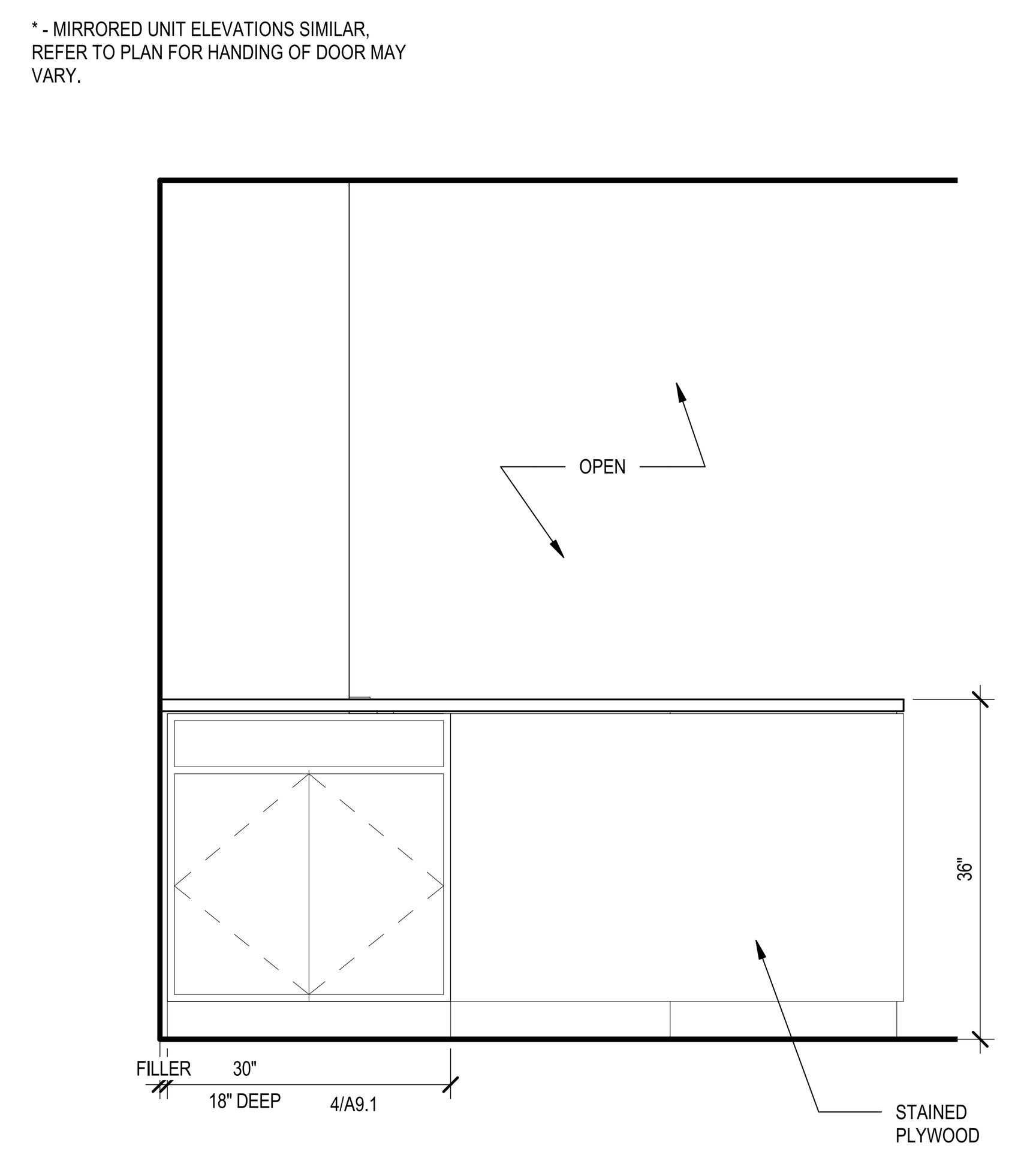
10 **Typical Kitchen Elevation B - Type 0**
3/4" = 1'-0"



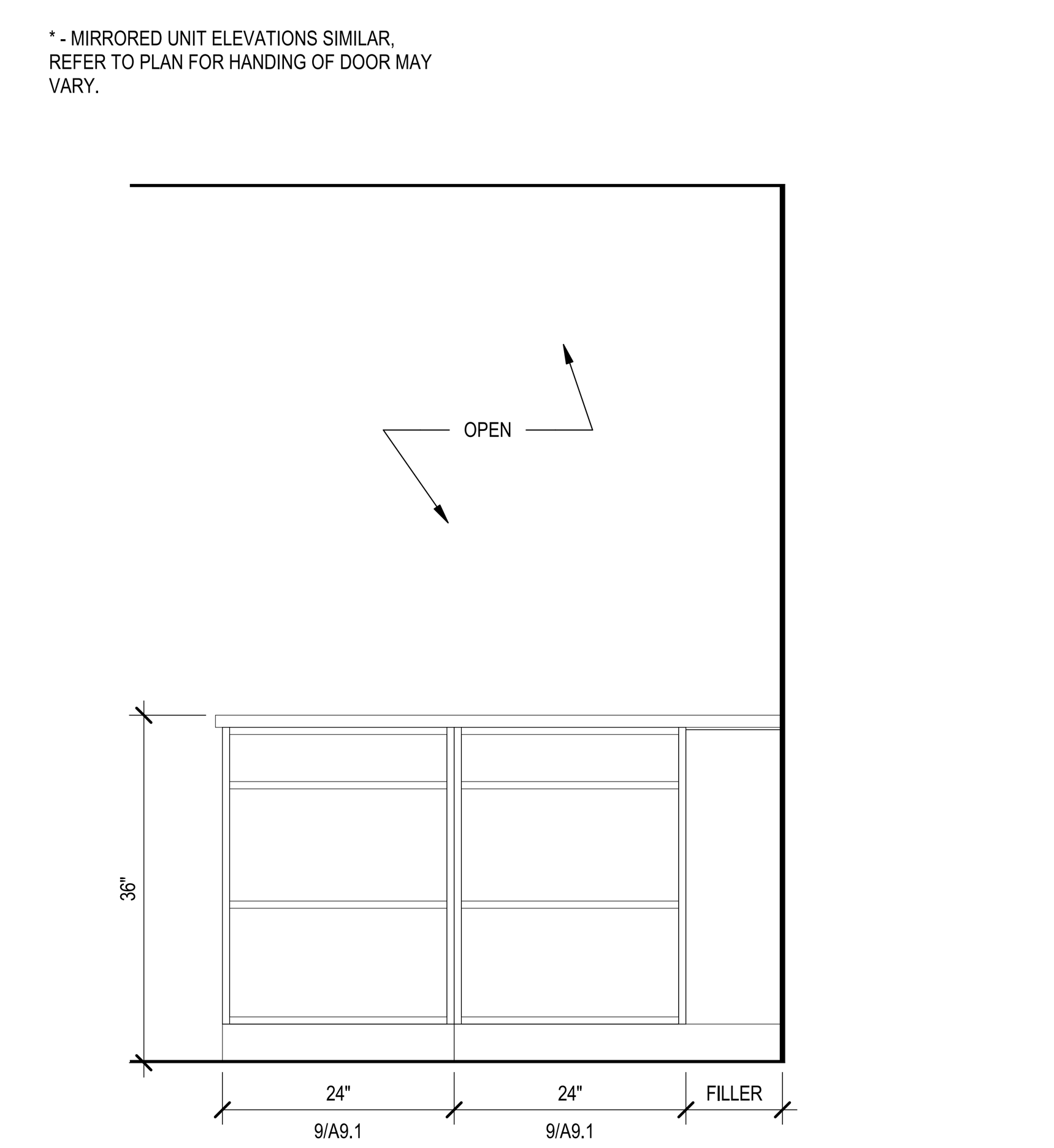
6 **Typical Kitchen Elevation A - Type 0**
3/4" = 1'-0"



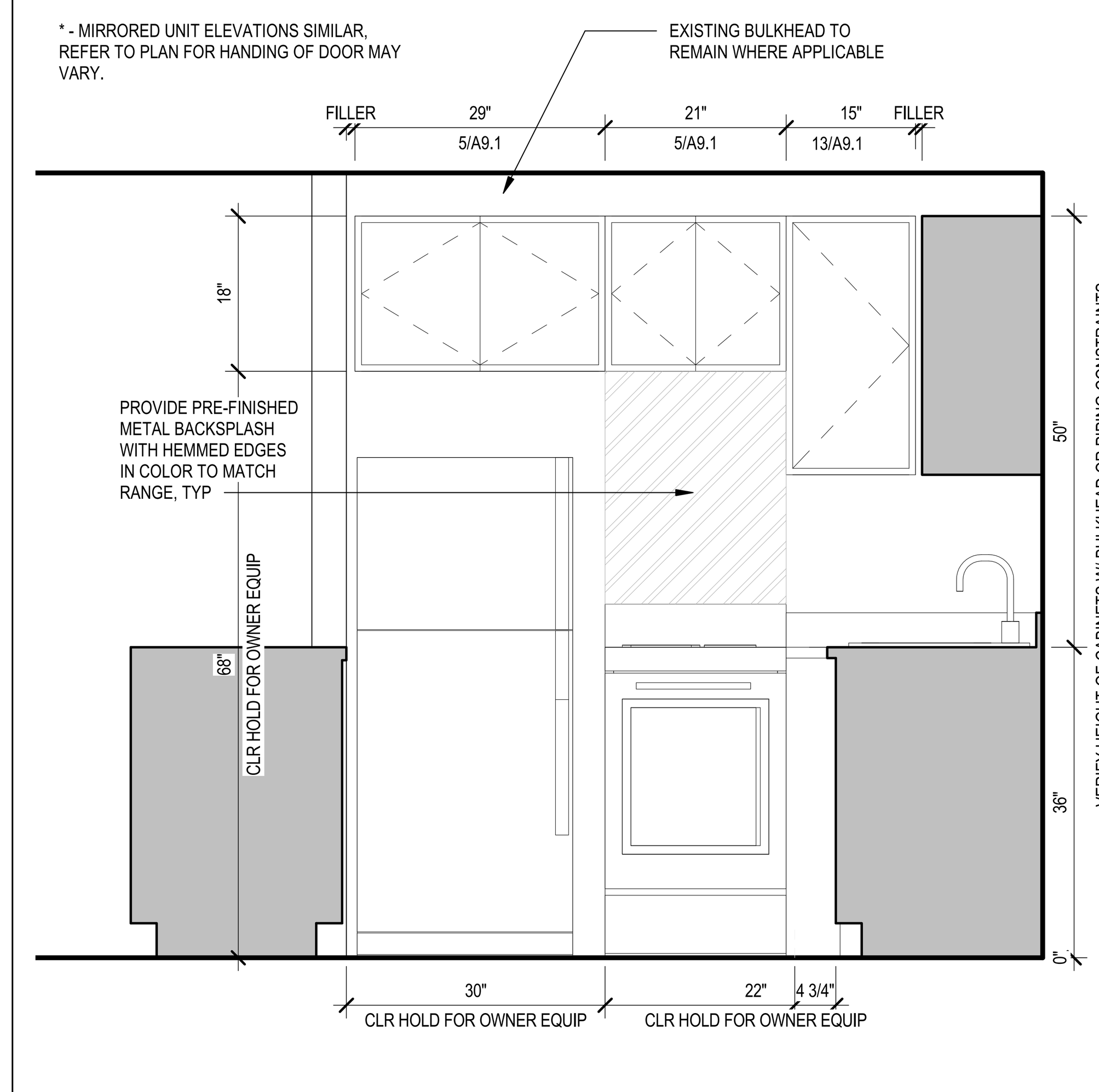
3 **Typical Enlarged Floor Plan - Type 0**
1/4" = 1'-0"



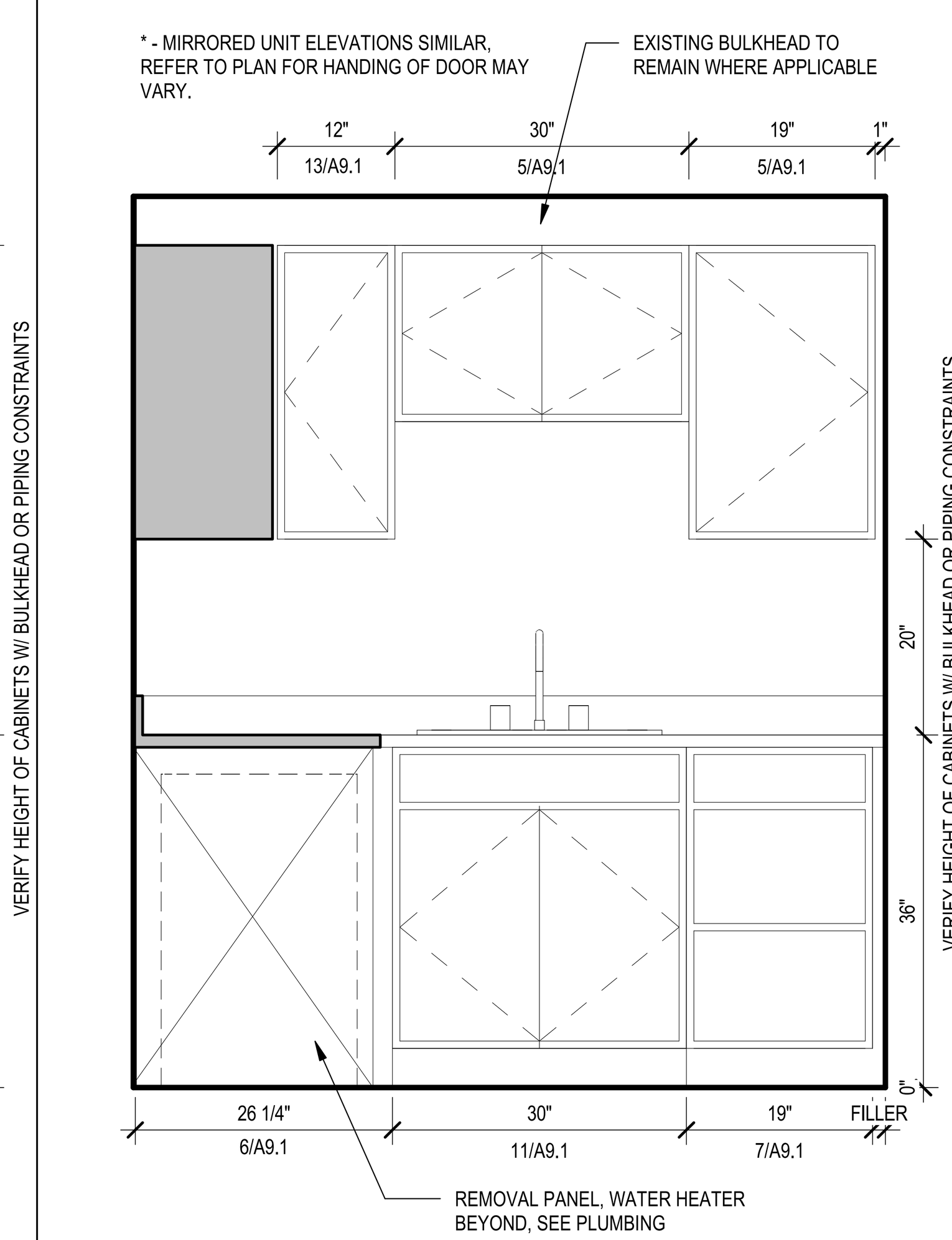
16 **Typical Kitchen Elevation D - Type 1**
3/4" = 1'-0"



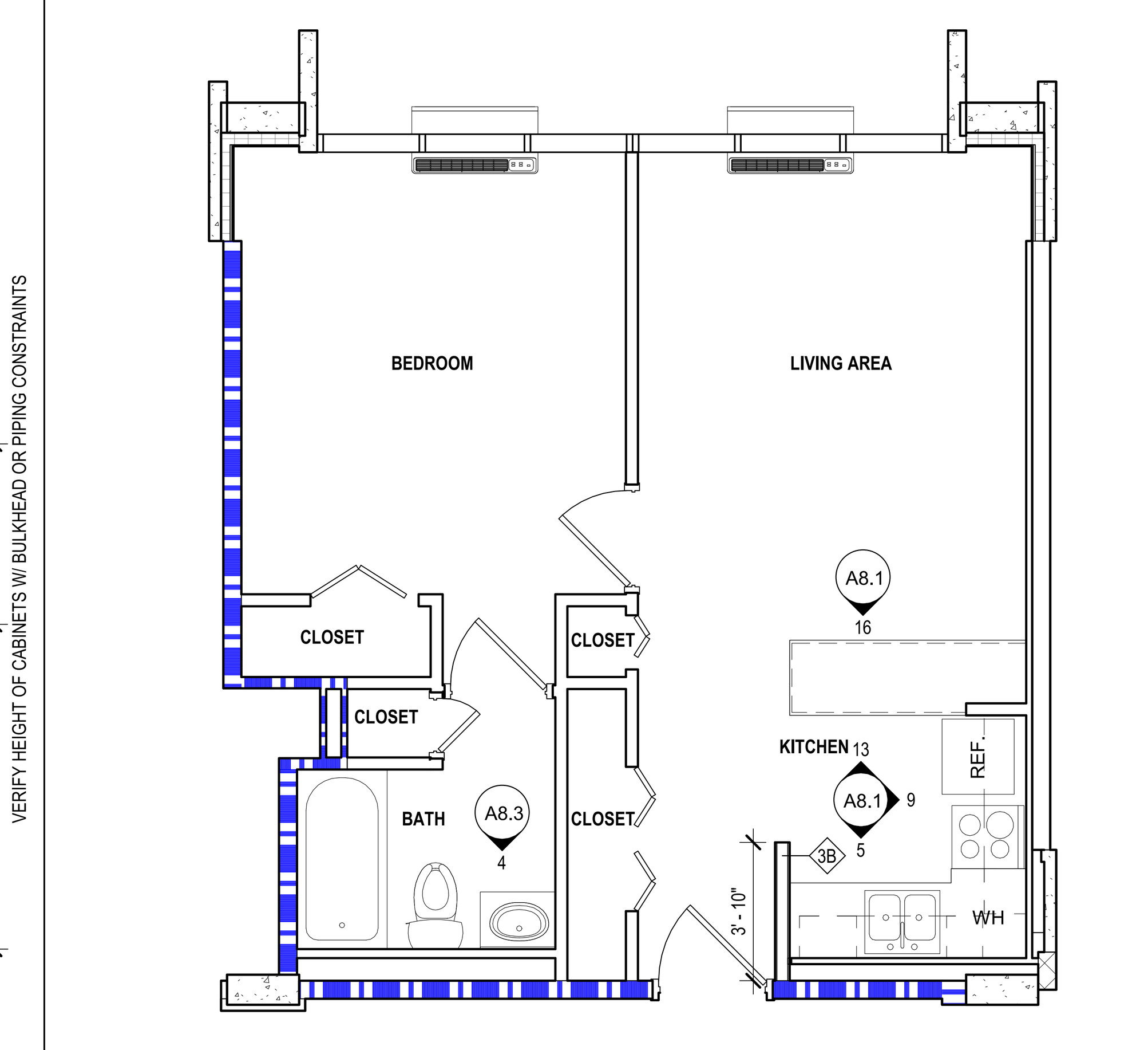
13 **Typical Kitchen Elevation C - Type 1**
3/4" = 1'-0"



9 **Typical Kitchen Elevation B - Type 1**
3/4" = 1'-0"



5 **Typical Kitchen Elevation A - Type 1**
3/4" = 1'-0"



2 **Typical Enlarged Floor Plan - Type 1**
1/4" = 1'-0"

15 **Not Used**
NTS

1. WATER CLOSET, SEE PLUMBING FIXTURE SCHEDULE
2. LAVATORY, SEE PLUMBING FIXTURE SCHEDULE. INSULATE ALL WATER PIPES AS REQ'D
3. GRAB BAR, 1 1/2" DIA. REFER TO ELEVATIONS AND NOTES THIS SHEET FOR LENGTH. INSTALLATION MUST COMPLY WITH ALL STATE AND LOCAL CODES. SEE NOTE 6.
4. ROLL-TYPE TOILET PAPER DISPENSER, OUTLET AT 15" MIN, TOP AT 1 1/2" MIN TO GRAB BAR. SEE NOTE 6.
5. MIRROR. SEE TOILET ELEVATIONS FOR MORE INFORMATION.
6. SOAP DISPENSER, OUTLET AT 48" MAX AFF SEE NOTE 6.
7. PAPER TOWEL DISPENSER, OUTLET AT 48" MAX AFF SEE NOTE 6.
8. DOOR, SEE A8.1 FOR HARDWARE
9. SIGNAGE, MOUNT PER ACCESSIBILITY REQUIREMENTS
10. FEMININE HYGIENE PRODUCT DISPOSAL, MOUNT PER ACCESSIBILITY REQUIREMENTS
11. SHOWER, SEE PLUMBING FIXTURE SCHEDULE

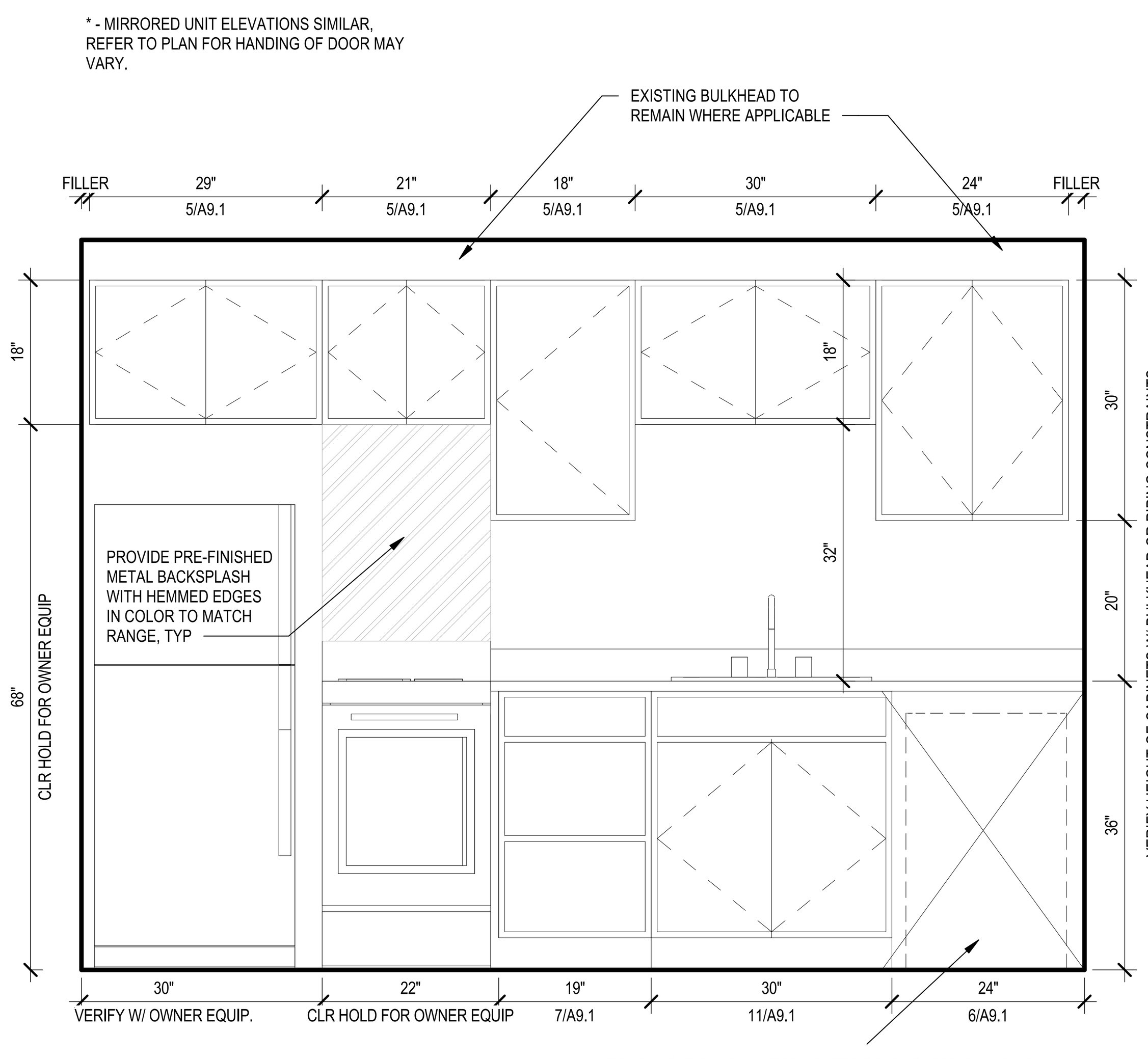
12 **Restroom Keynotes**
NTS

1. GENERAL CONTRACTOR TO PROVIDE AND INSTALL HANDICAP EQUIPMENT AS NEEDED TO COMPLY WITH GOVERNING CODES.
2. GENERAL CONTRACTOR TO PROVIDE SOLID IN-WALL FIRE-TREATED BLOCKING FOR ALL WALL-MOUNTED ITEMS.
3. SEE PLUMBING SHEETS FOR FIXTURES AND SPECIFICATIONS.
4. GRAB BAR FASTENERS AND MOUNTING SUPPORT SHALL BE ABLE TO WITHSTAND 250 lbs. POINT LOAD BEARING SHEAR AND TORSION.
5. ALL TRENCHES TO BE BACKFILLED AND COMPACTED TO MINIMUM 95% WITH WATERPROOF MEMBRANE BELOW CONCRETE. DOWELS SHALL BE #4 BARS, EPOXY INTO EXISTING CONCRETE SLAB.
6. ALL RESTROOM ACCESSORIES (TOILET PAPER, PAPER TOWEL, AND SOAP DISPENSERS OR OTHER SIMILAR ITEMS) SHALL MATCH IN FINISH, AND BE SIMILAR TO LAVATORY HARDWARE WHERE POSSIBLE, TYP.
7. PER ANSI 117.1 SECTION 603.2.3, EXCEPTION 2 DOOR SWING MAY OVERLAP FLOOR SPACE.
8. ALL WALLS TO RECEIVE MOISTURE RESISTANT GYP BD.

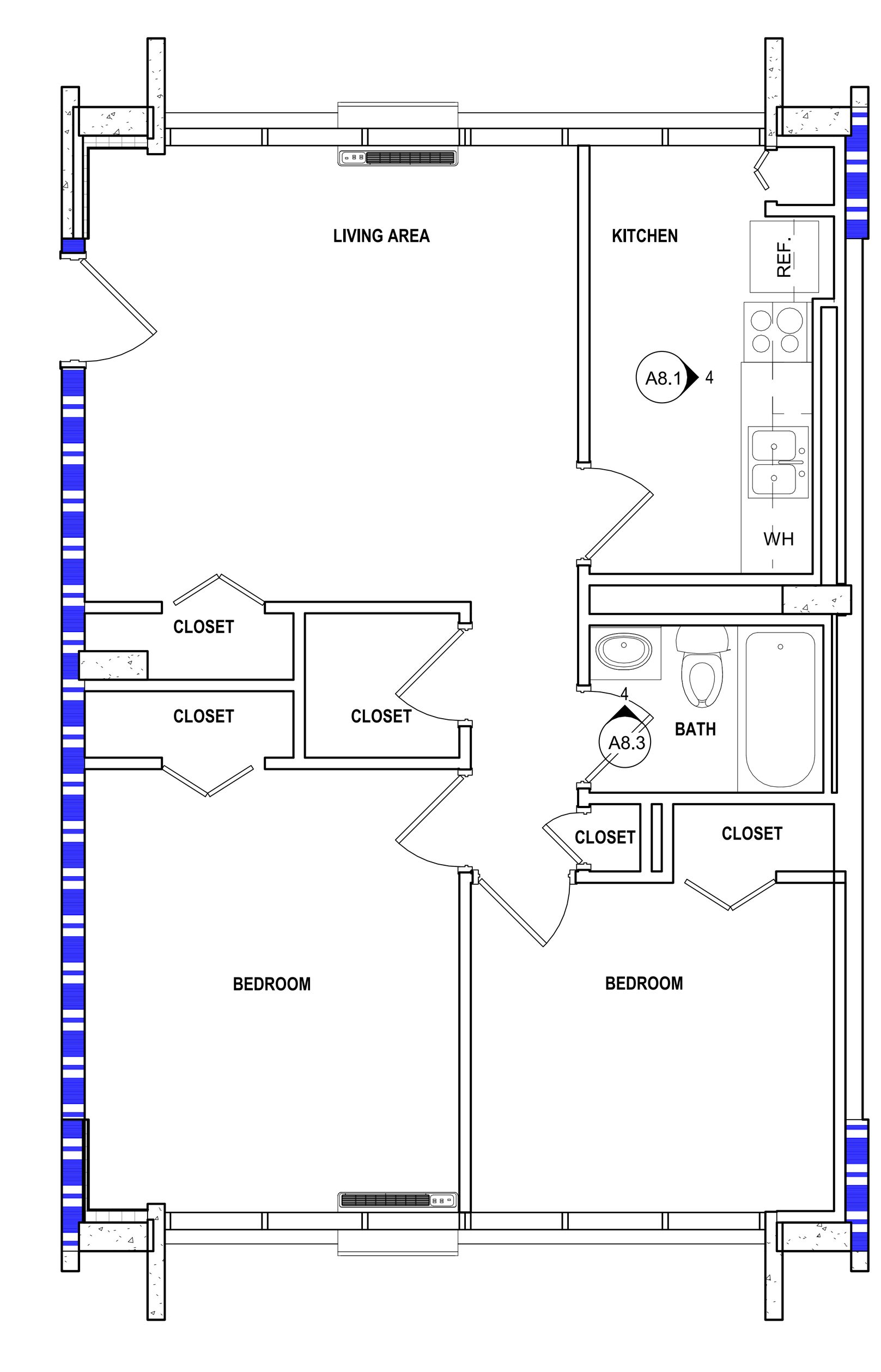
8 **Restroom General Notes**
NTS

Description	Manufacturer	Model #	Notes
Multi-Roll Toilet Tissue Dispenser	Bobrick	B-4288	Mount Center @ 7"-9" in Front of Toilet Rim and 15-48" A.F.F.
Stainless Steel Fixed-Position Tilt Mirror	Bobrick	B-293 2436	Mount 40" A.F.F. to Reflective Surface.
1 1/2" Dia. Stainless Steel Grab Bar	Bobrick	B-6806x36"	Mount Center of Bar 34" A.F.F.
1 1/2" Dia. Stainless Steel Grab Bar	Bobrick	B-6806x42"	Mount Center of Bar 34" A.F.F.

11 **Restroom Accessory Schedule**
NTS



4 **Typical Kitchen Elevation - Type 2**
3/4" = 1'-0"



1 **Typical Enlarged Floor Plan - Type 2**
1/4" = 1'-0"

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Enlarged Typcial Floor Plans & Interior Elevations

A8.1

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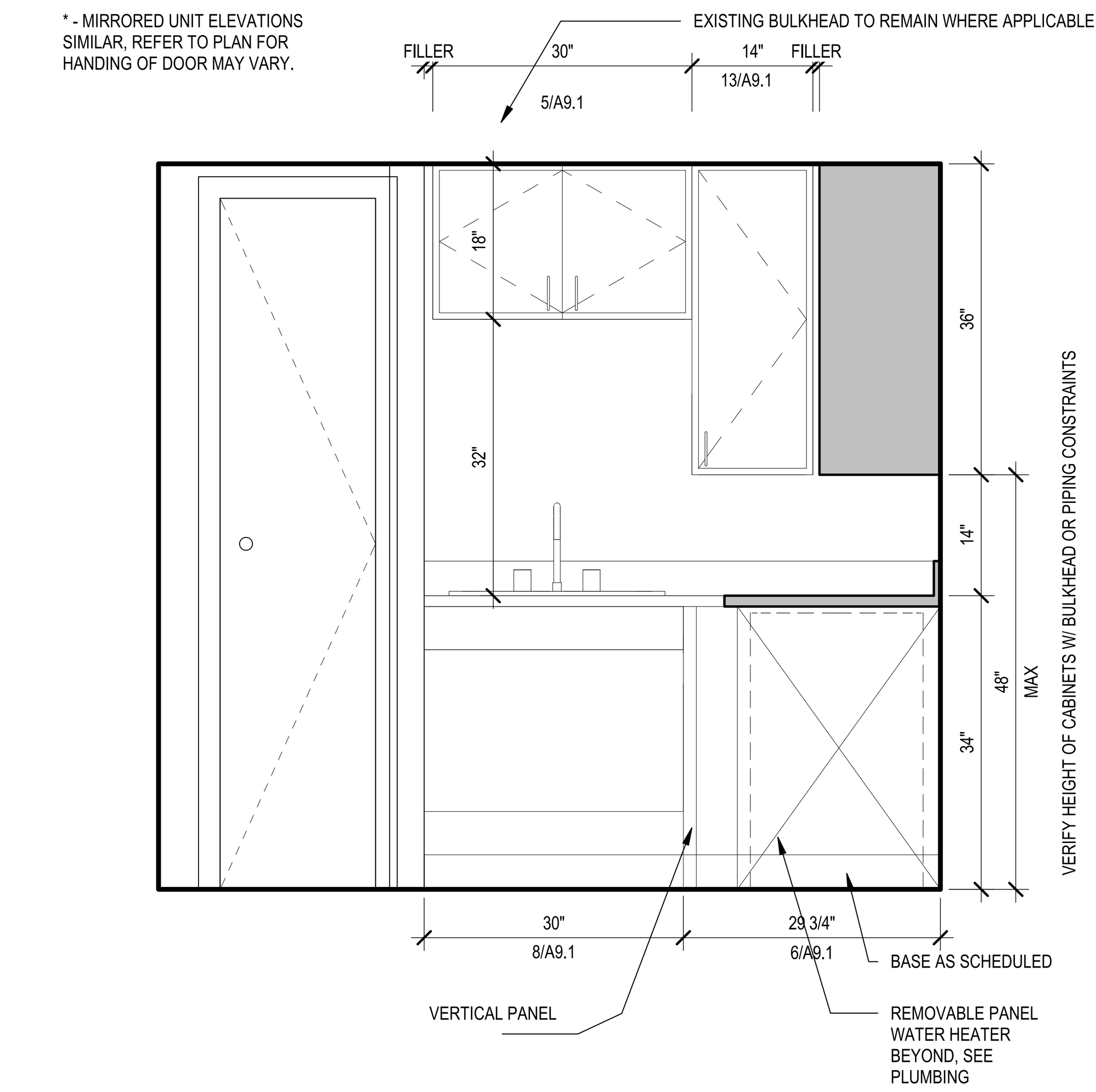
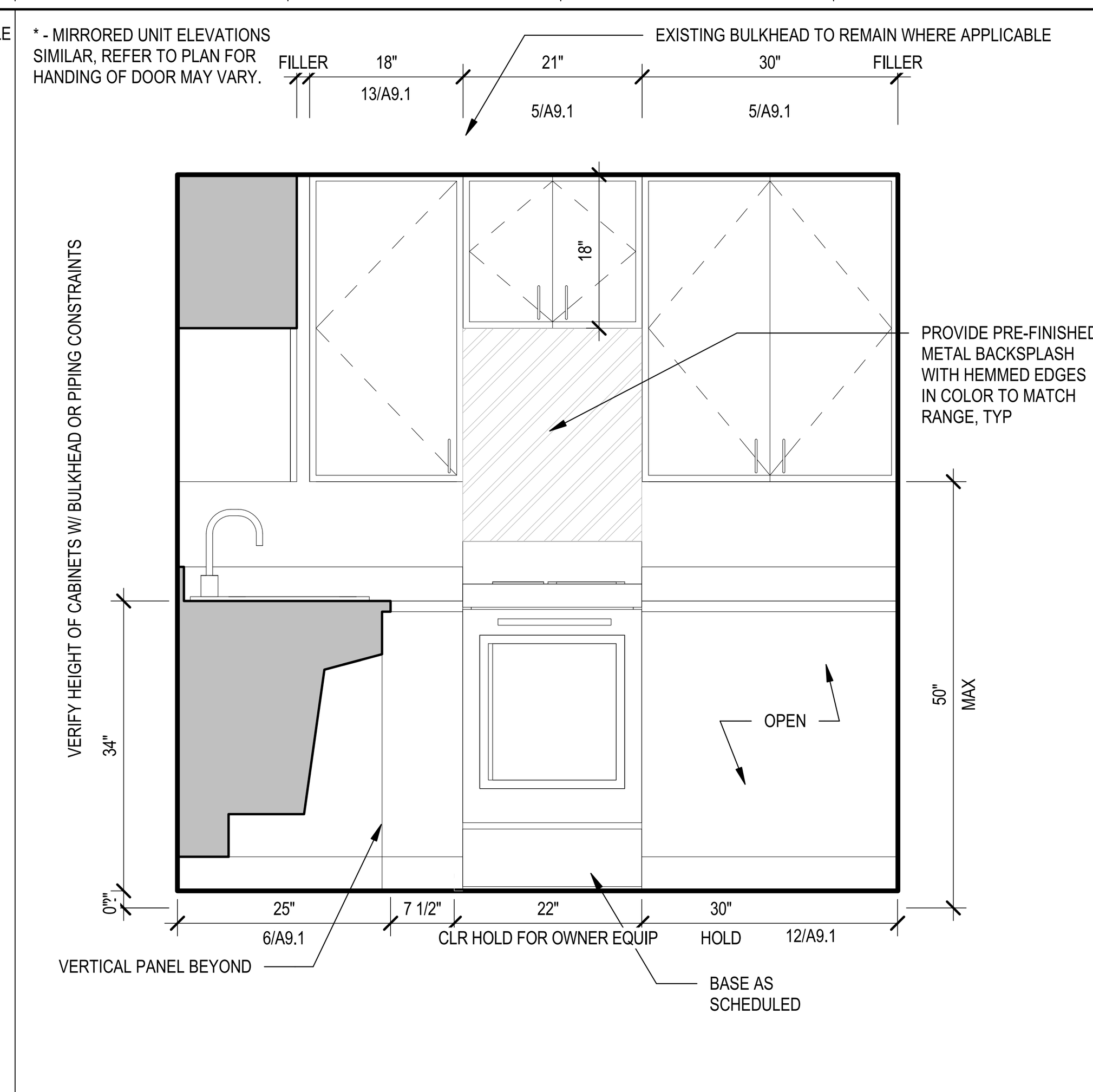
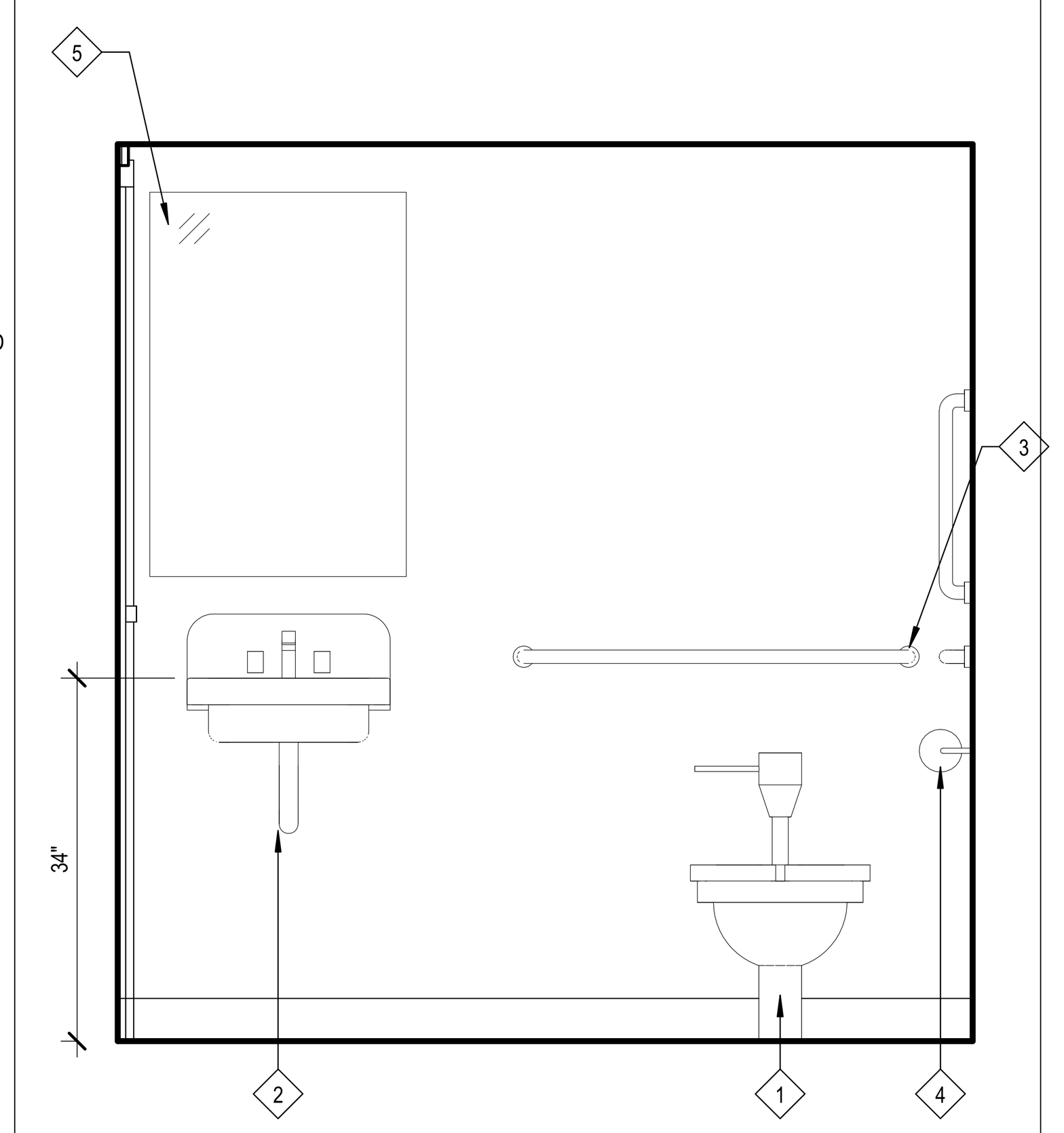


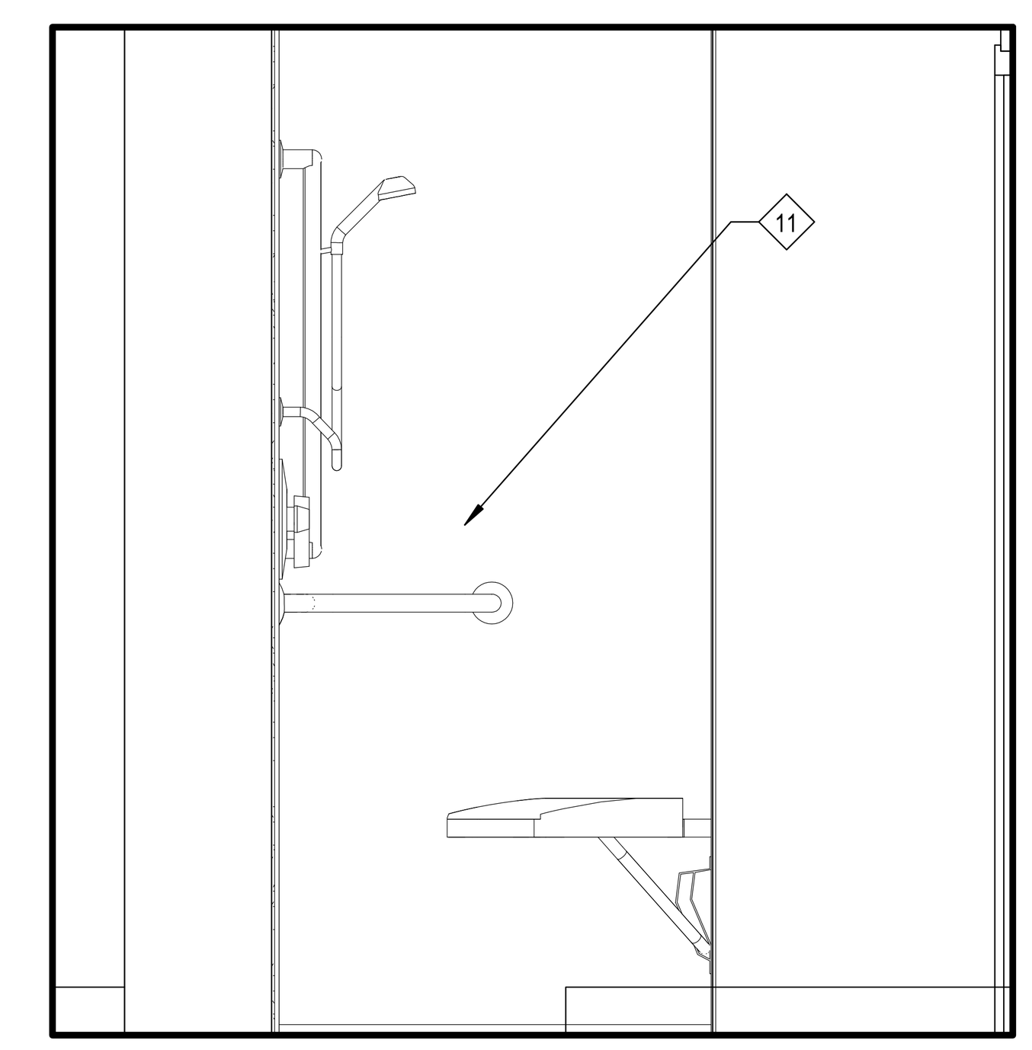
15 **Interior Elevation - ADA Studio - Kitchen A**
3/4" = 1'-0"



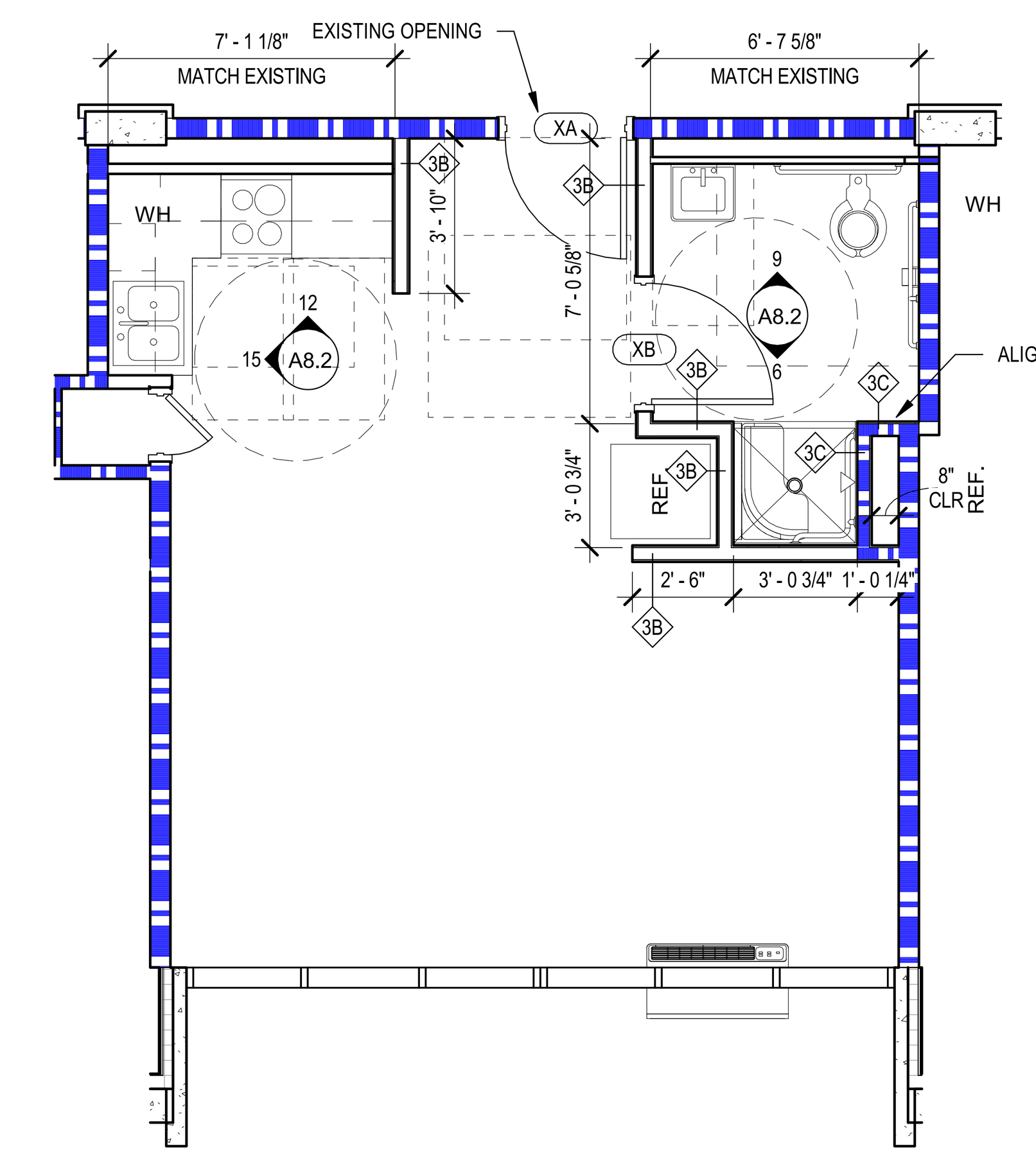
12 **Interior Elevation - ADA Studio - Kitchen B**
3/4" = 1'-0"



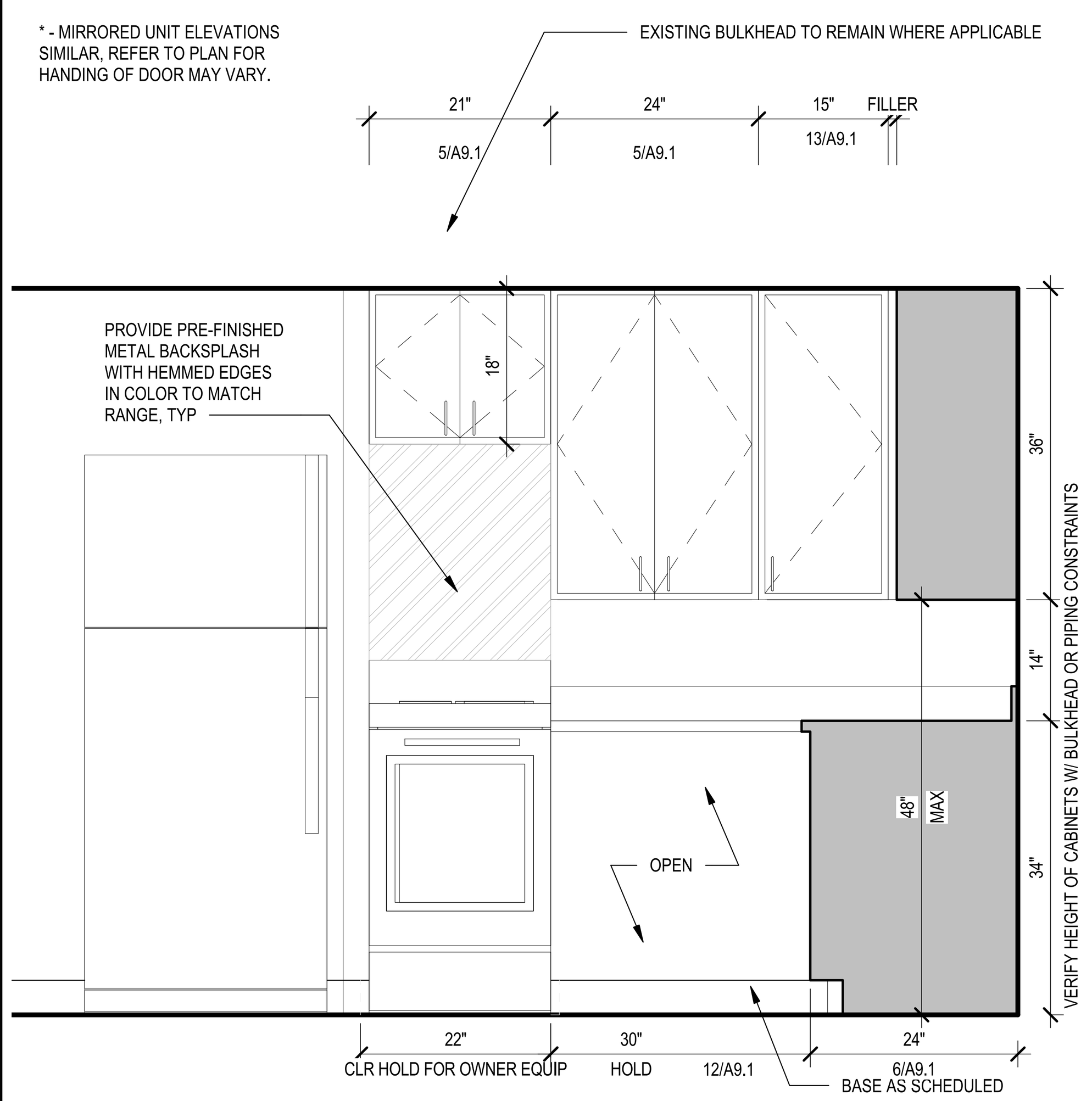
9 **Interior Elevation - ADA Studio - Bathroom A**
3/4" = 1'-0"



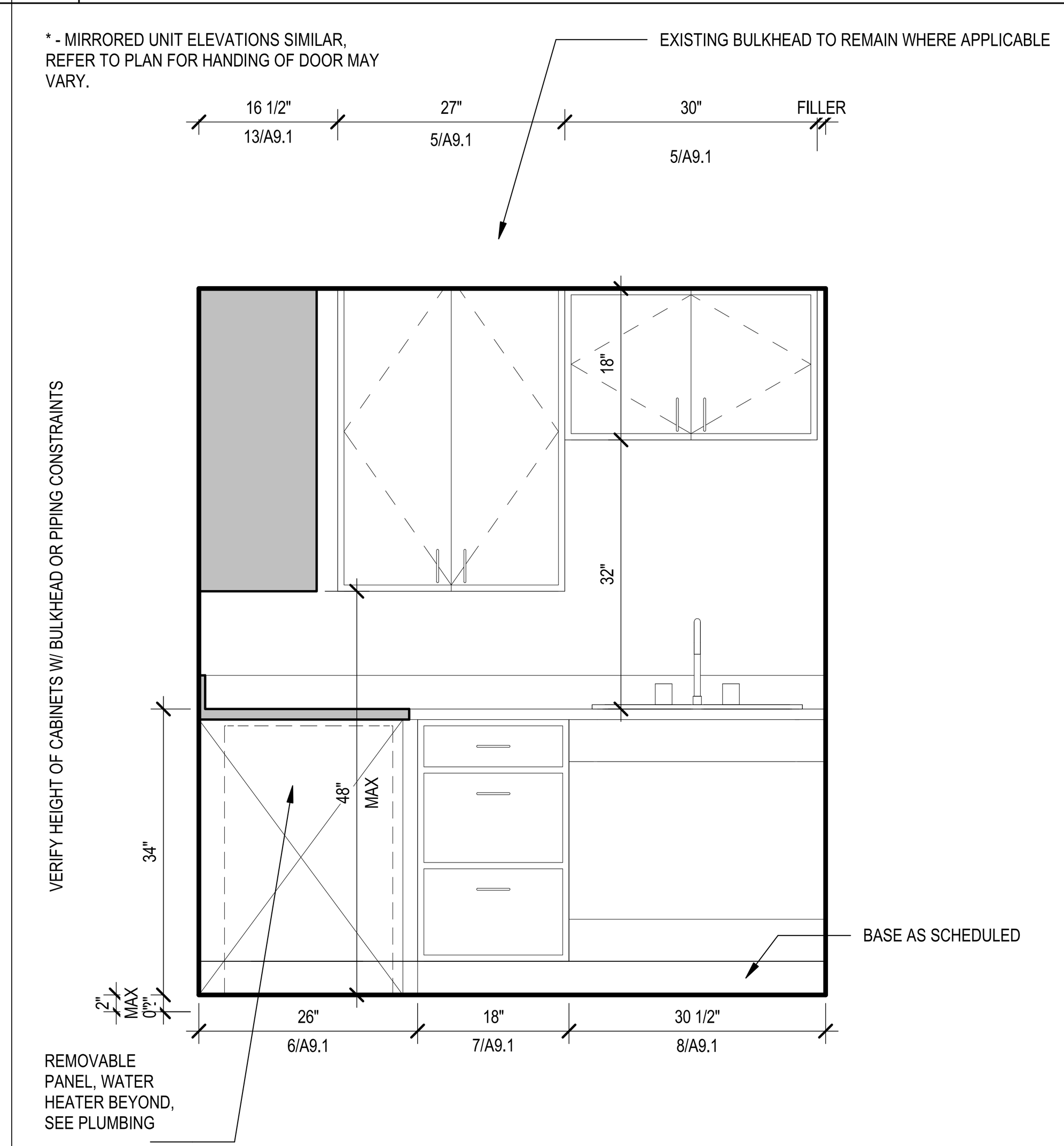
6 **Interior Elevation - ADA Studio - Bathroom B**
3/4" = 1'-0"



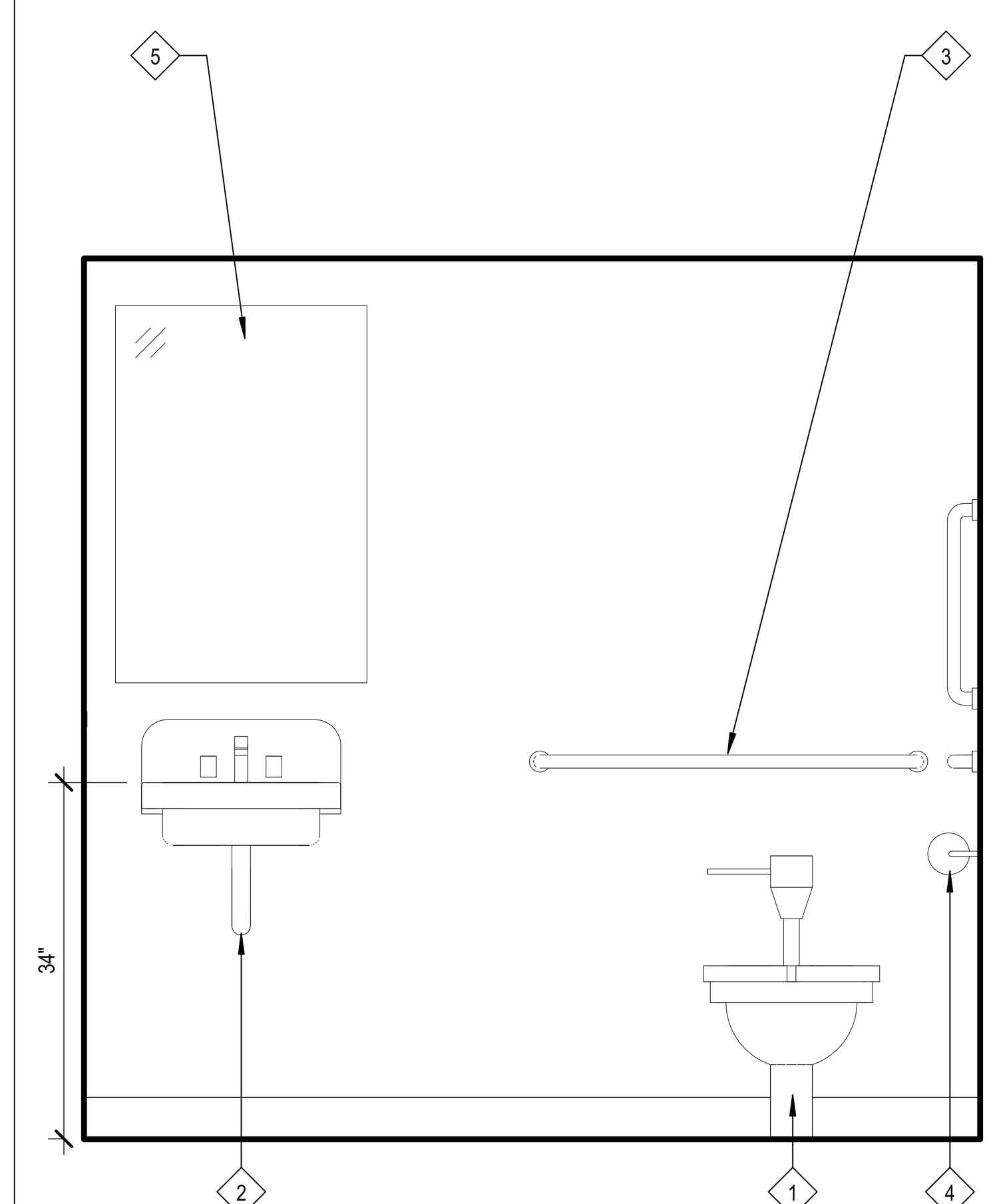
3 **ADA Studio**
1/4" = 1'-0"



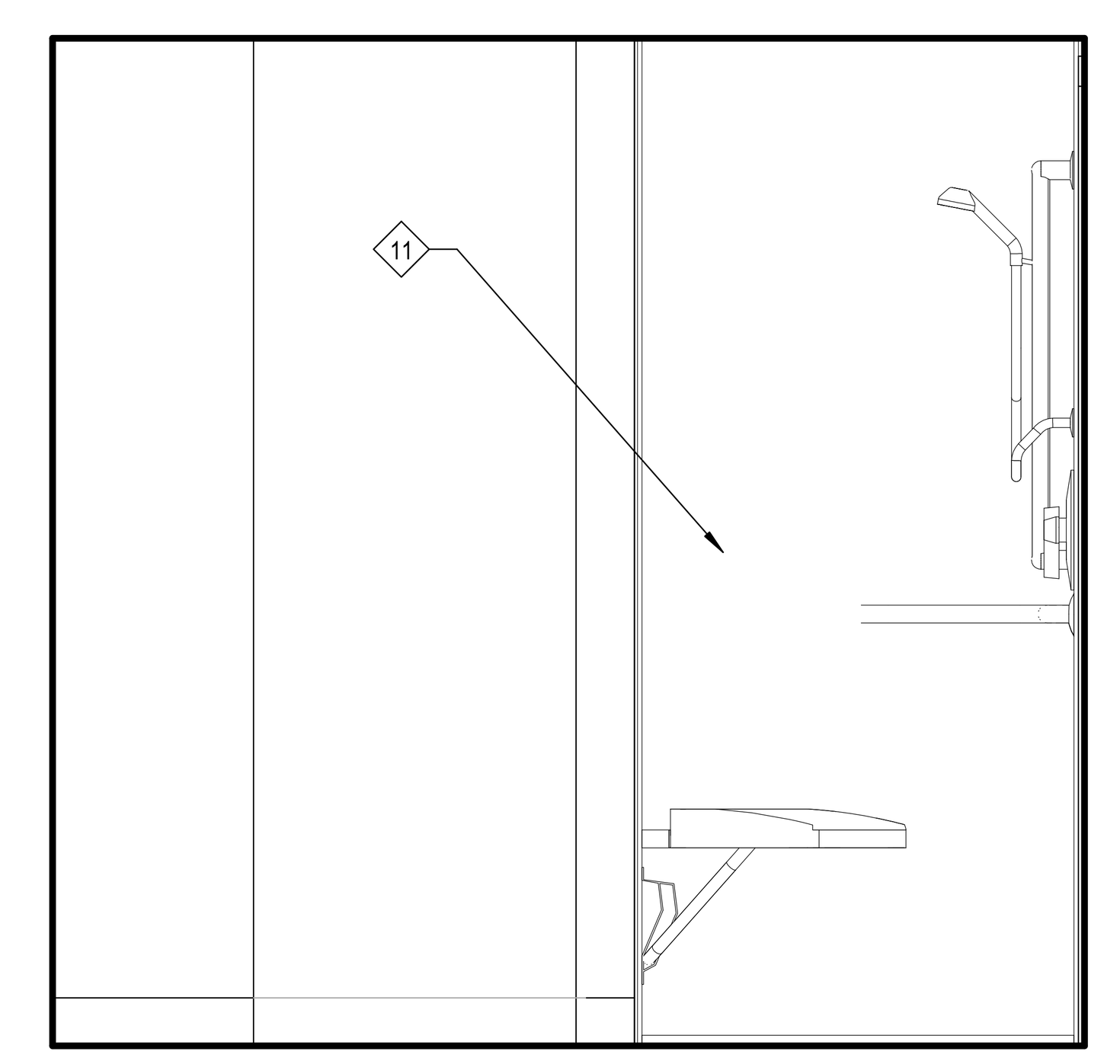
14 **Interior Elevation - ADA 1 Bedroom Type 1 - Kitchen A**
3/4" = 1'-0"



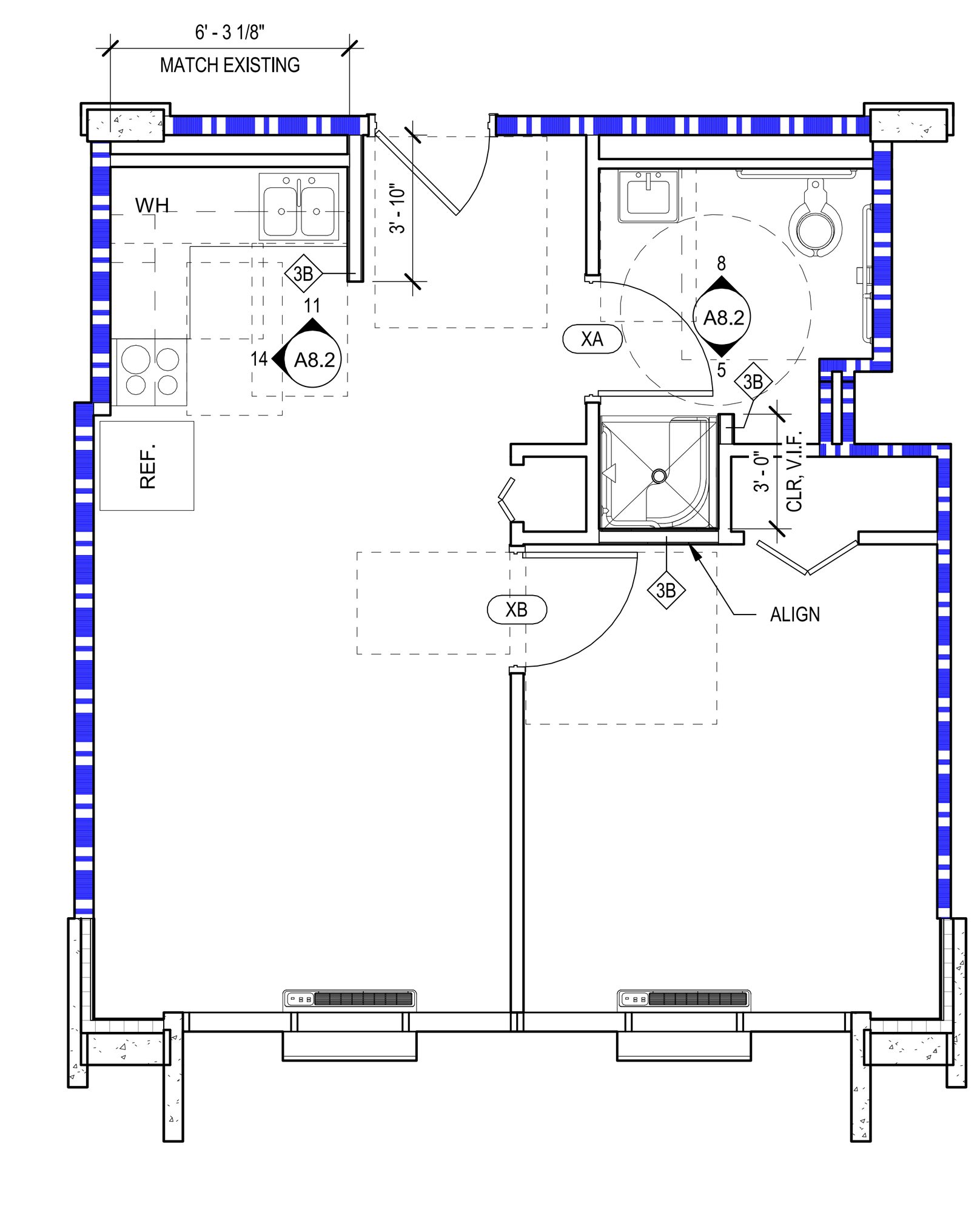
11 **Interior Elevation - ADA 1 Bedroom Type 1 - Kitchen B**
3/4" = 1'-0"



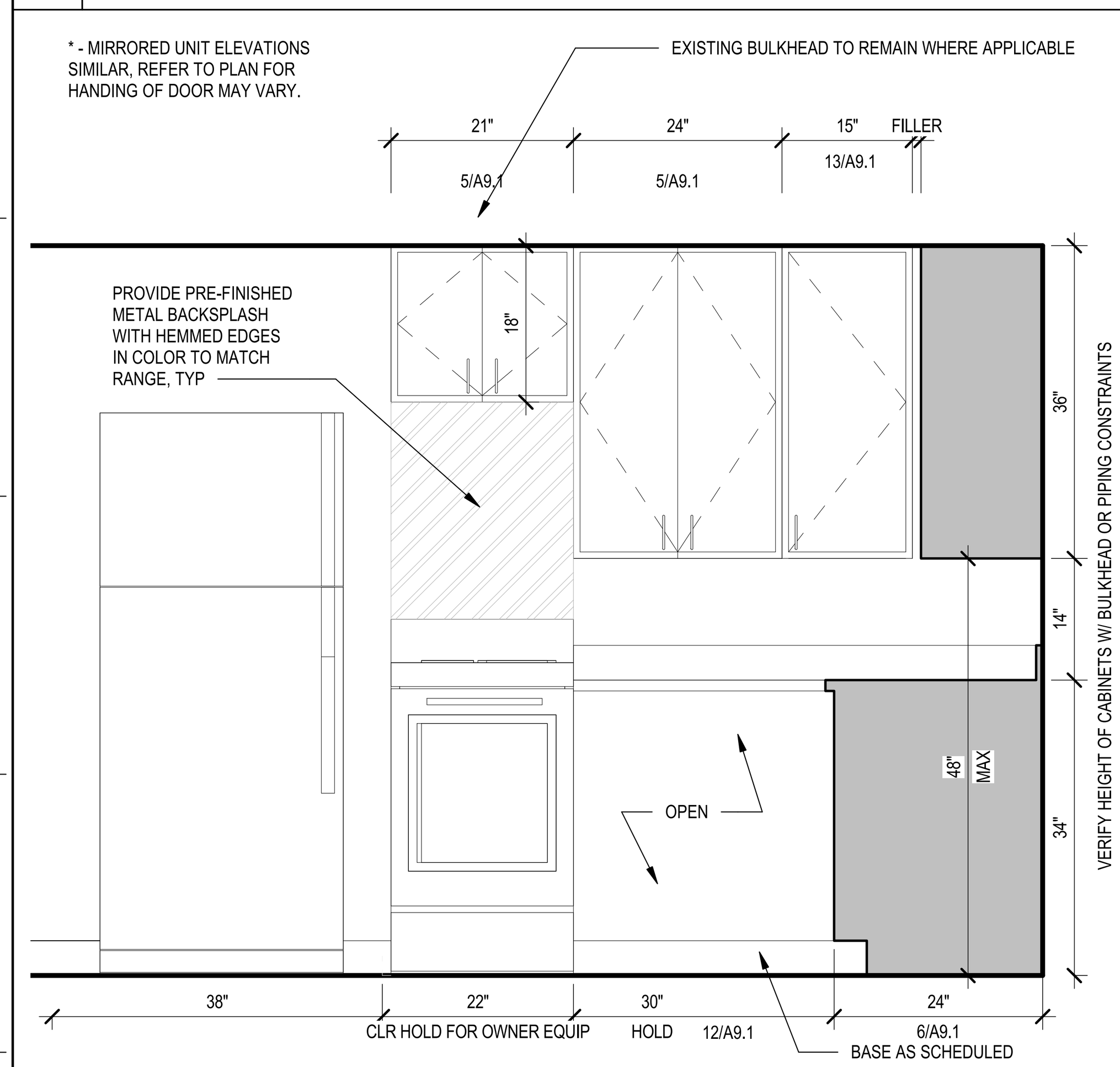
8 **Interior Elevation - ADA 1 Bedroom Type 1 - Bathroom A**
3/4" = 1'-0"



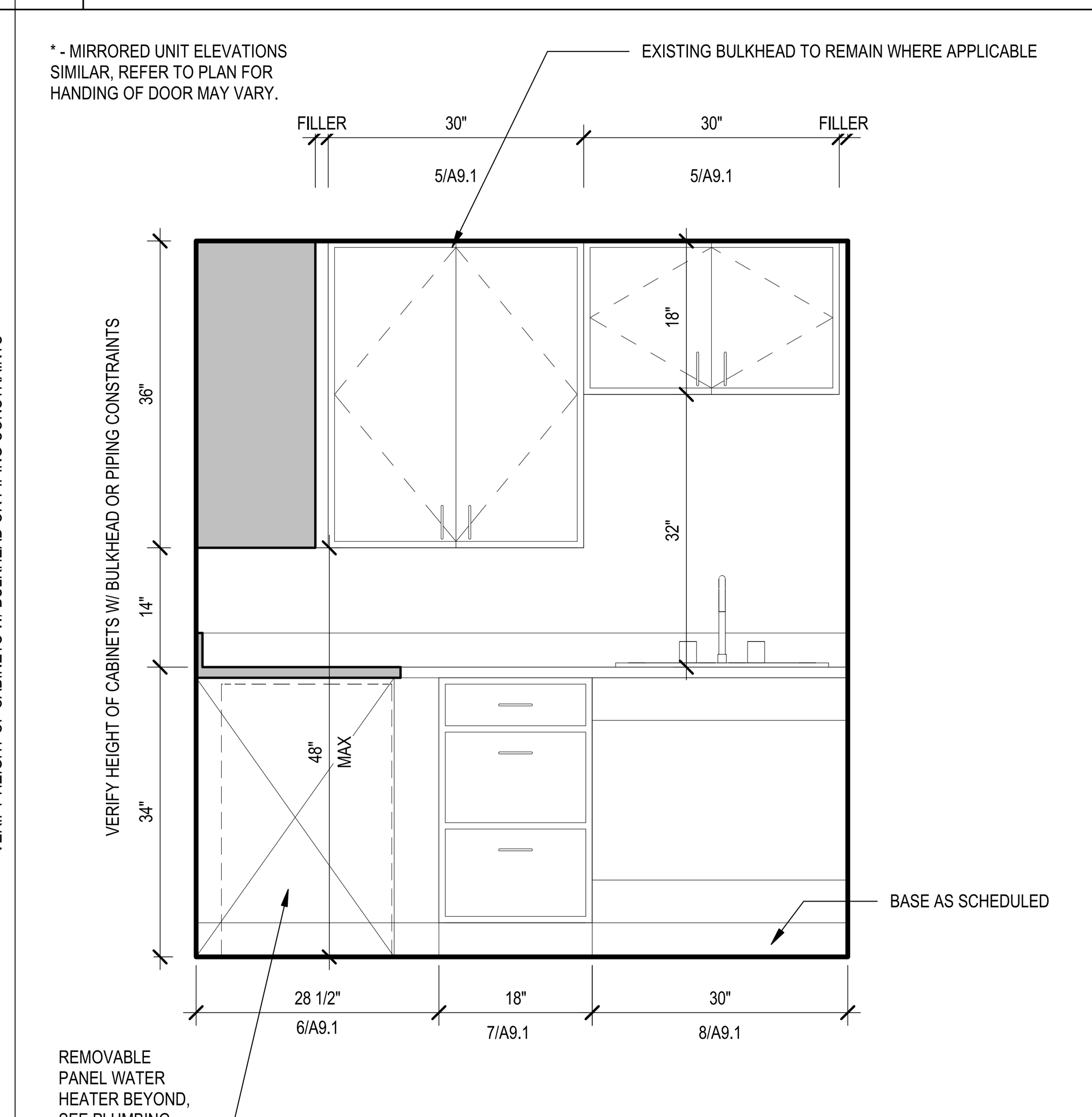
5 **Interior Elevation - ADA 1 Bedroom Type 1 - Bathroom B**
3/4" = 1'-0"



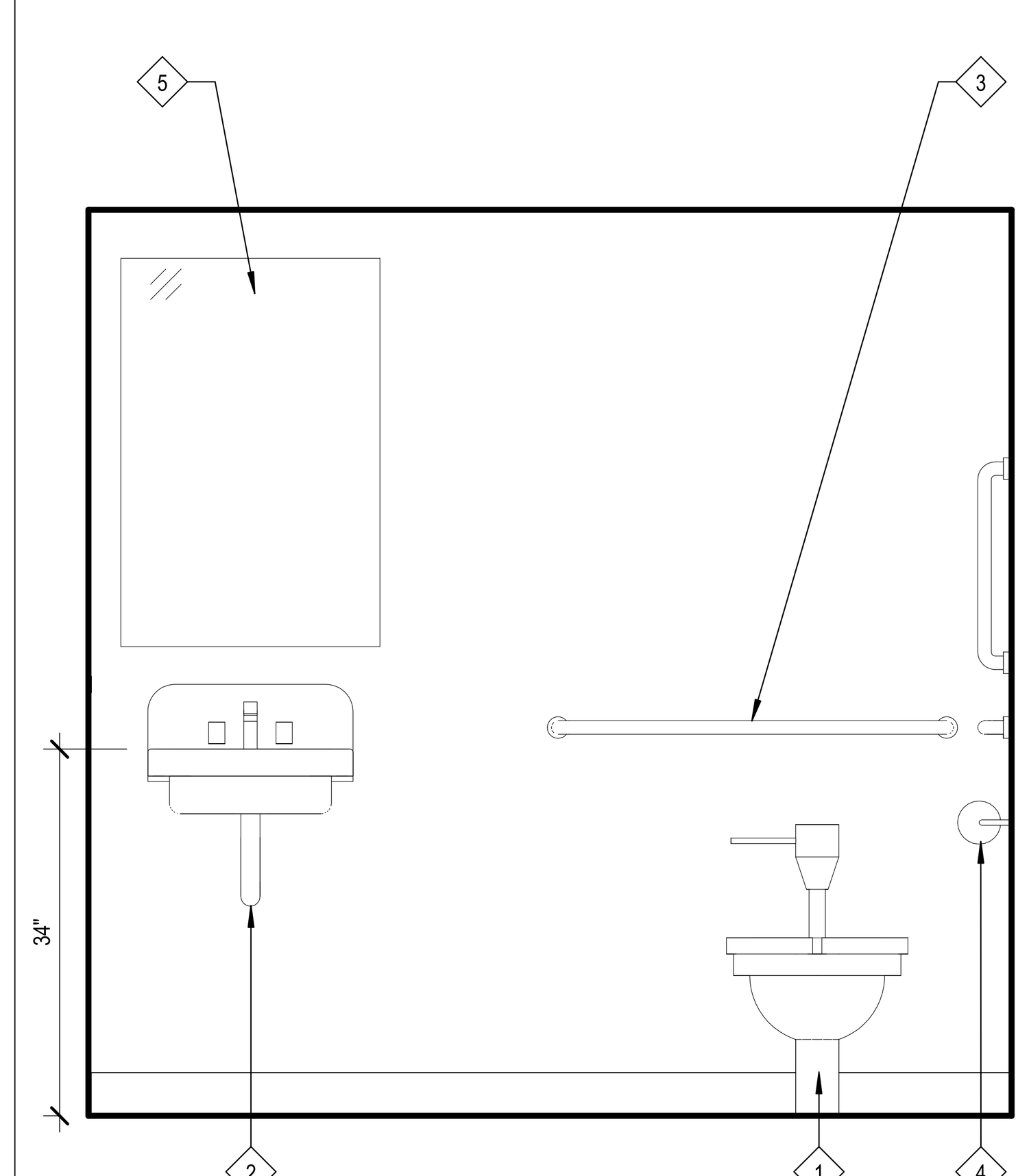
2 **ADA 1 Bedroom- Type 1**
1/4" = 1'-0"



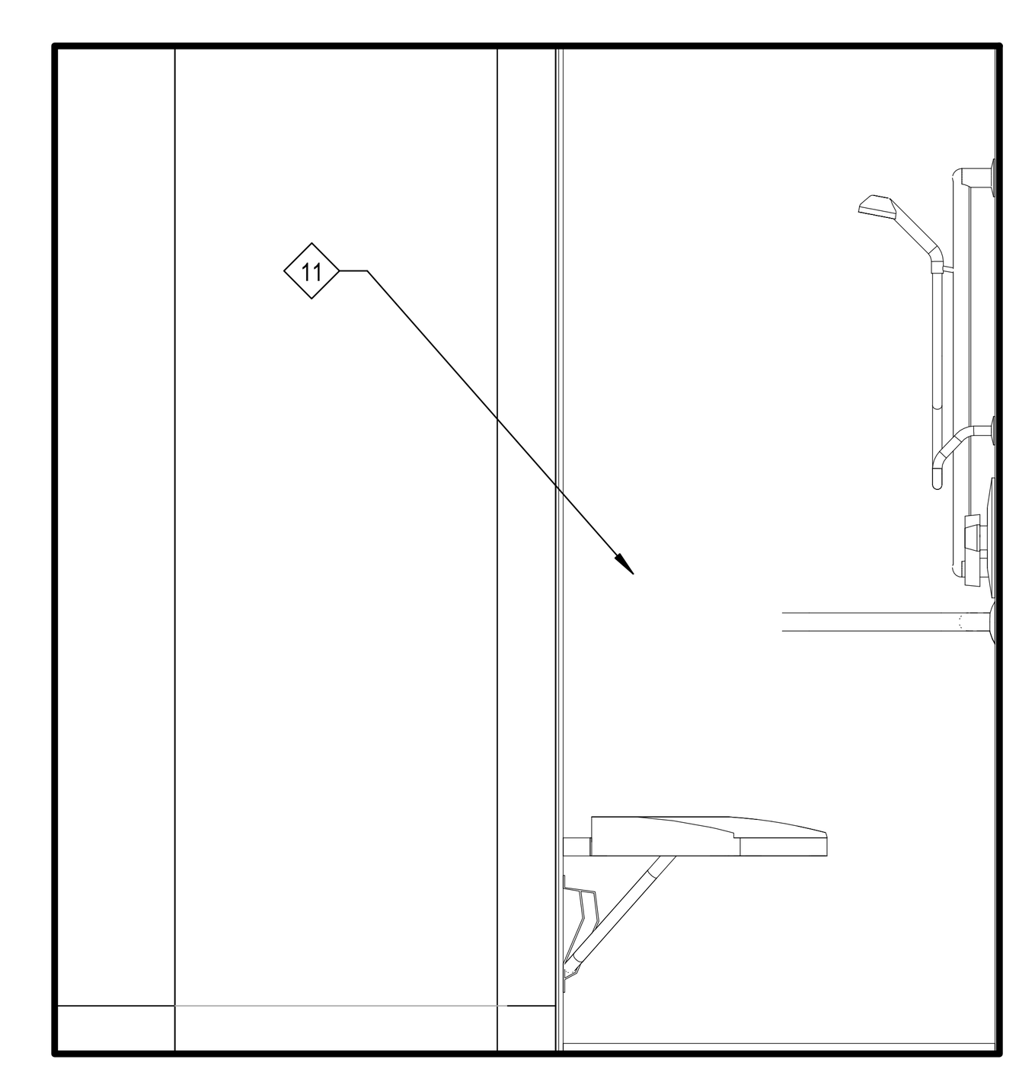
13 **Interior Elevation - ADA 1 Bedroom Type 2 - Kitchen A**
3/4" = 1'-0"



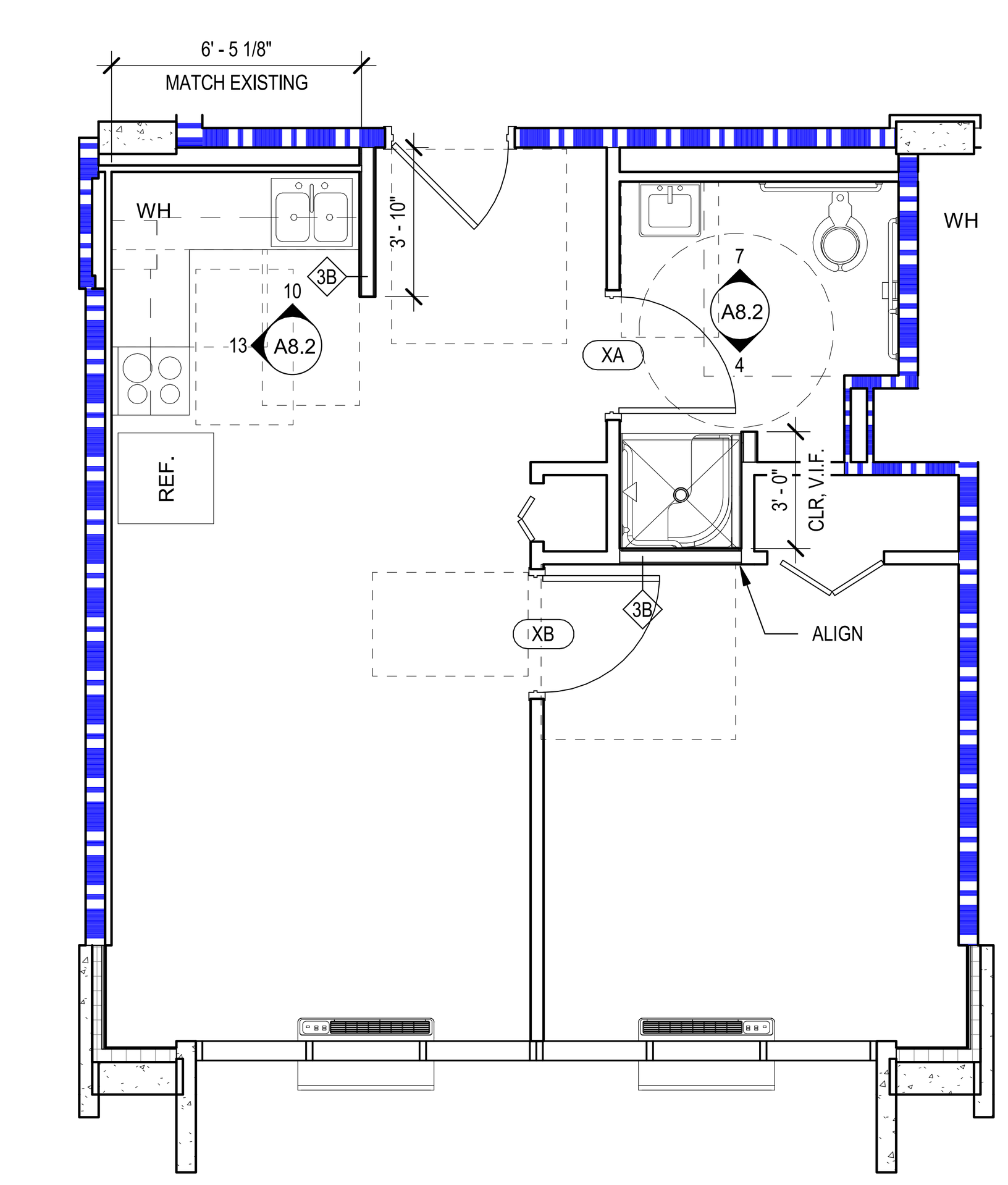
10 **Interior Elevation - ADA 1 Bedroom Type 2 - Kitchen B**
3/4" = 1'-0"



7 **Interior Elevation - ADA 1 Bedroom Type 2 - Bathroom A**
3/4" = 1'-0"



4 **Interior Elevation - ADA 1 Bedroom Type 2 - Bathroom B**
3/4" = 1'-0"



1 **ADA 1 Bedroom - Type 2**
1/4" = 1'-0"

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A8.2

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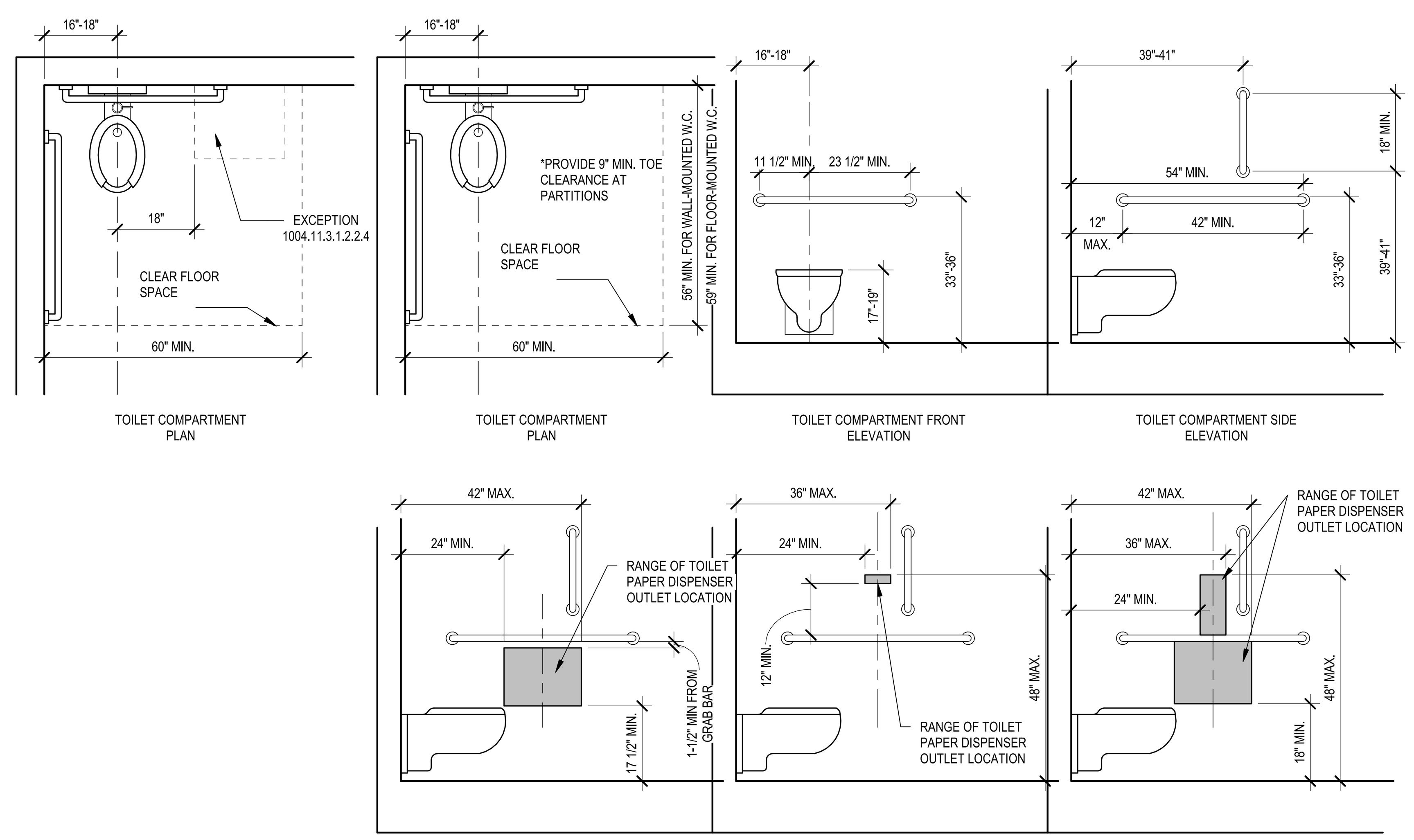
10 **NOT USED**
NTS

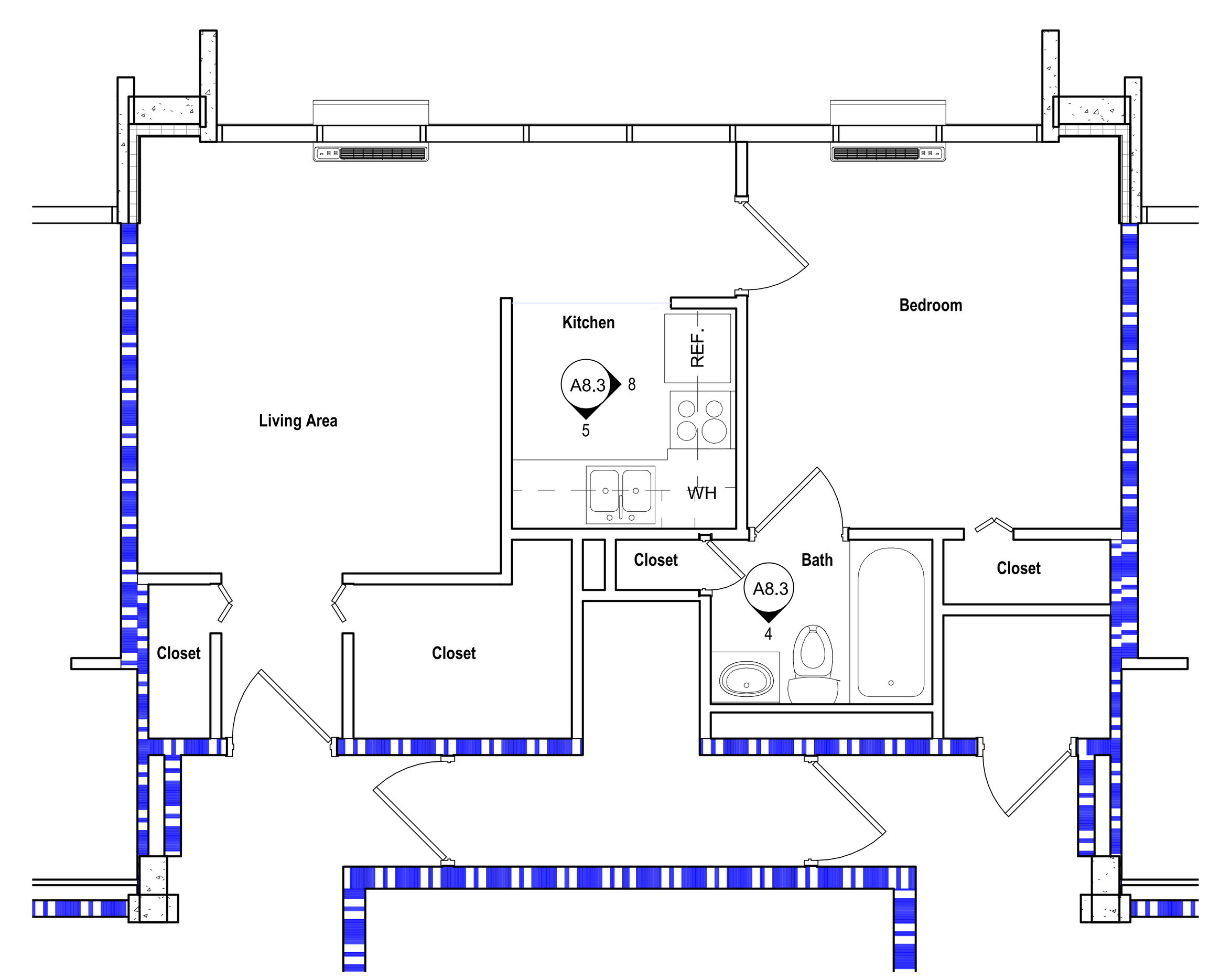
7 **NOT USED**
NTS

3 **NOT USED**
NTS

9 **NOT USED**
NTS

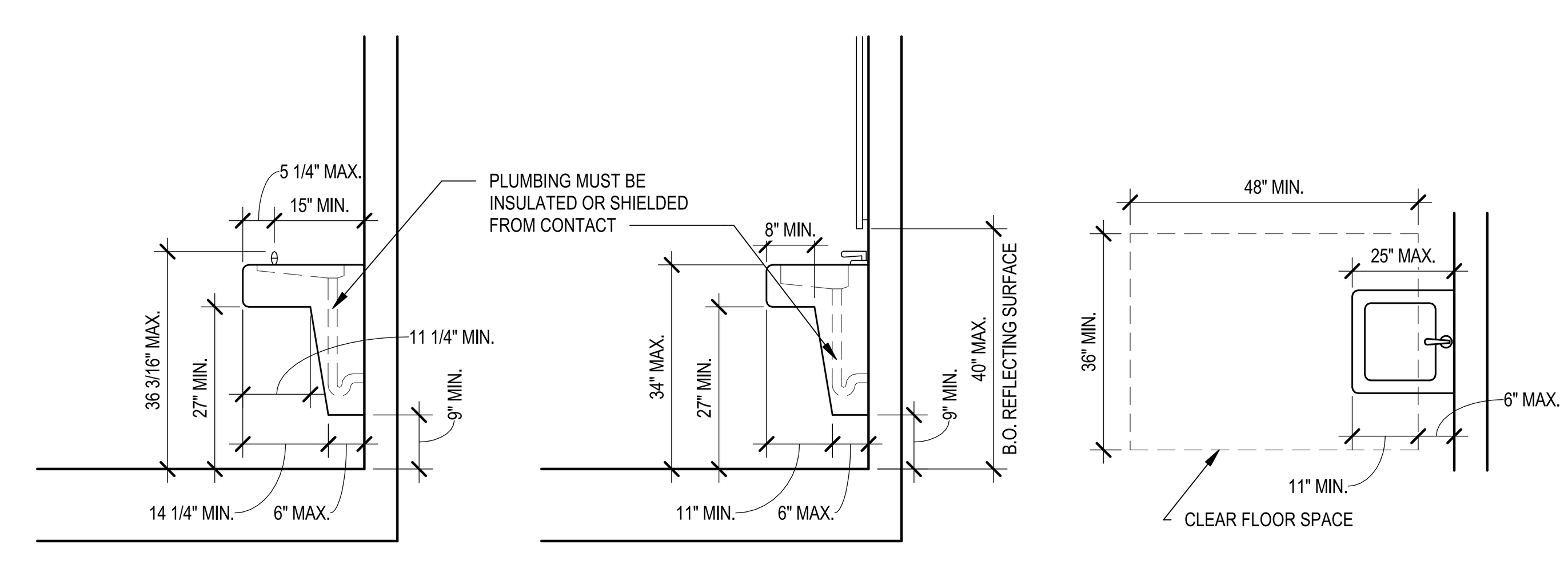


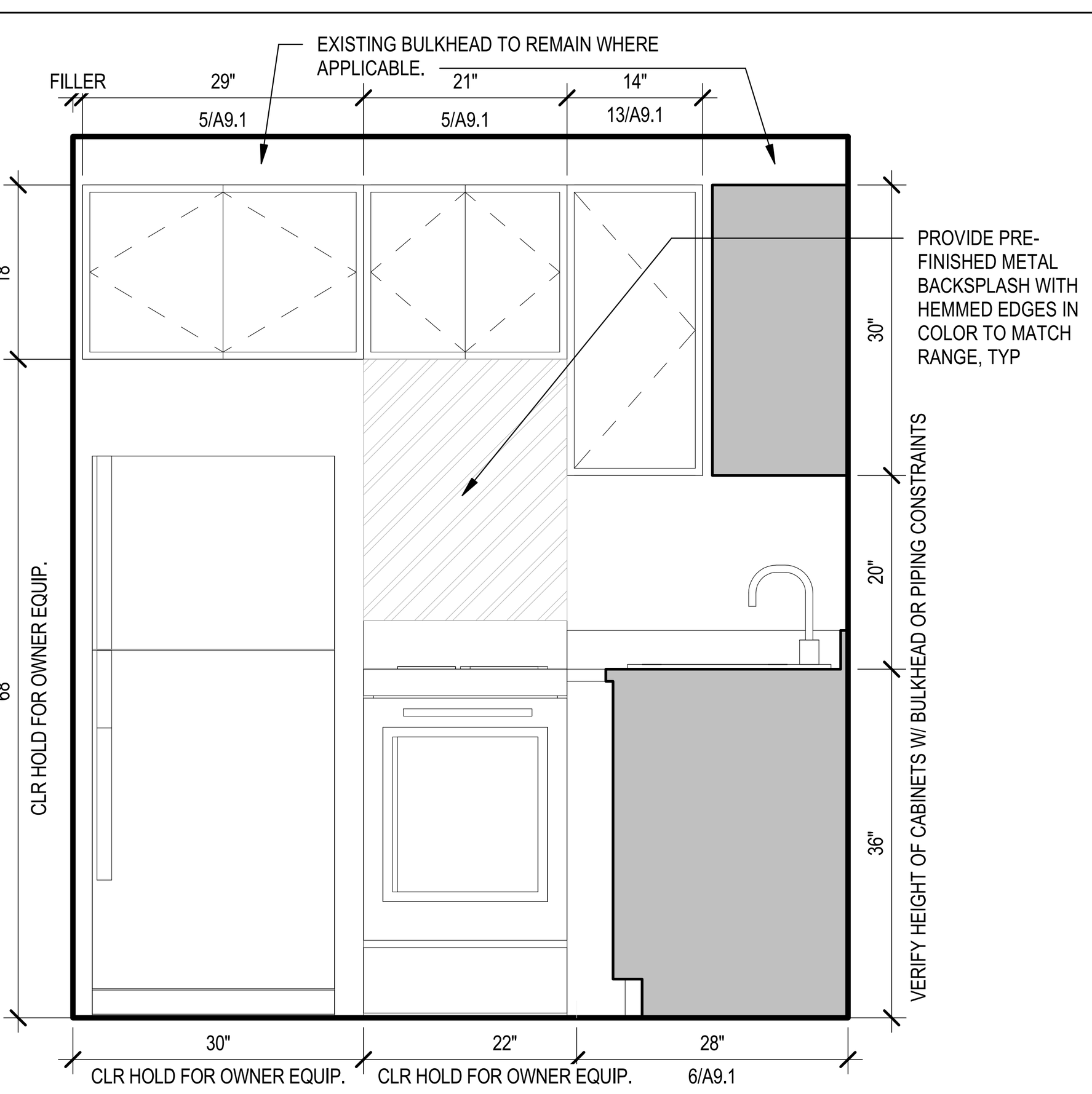
6 **Access - Toilet Compartments**
1/2" = 1'-0"



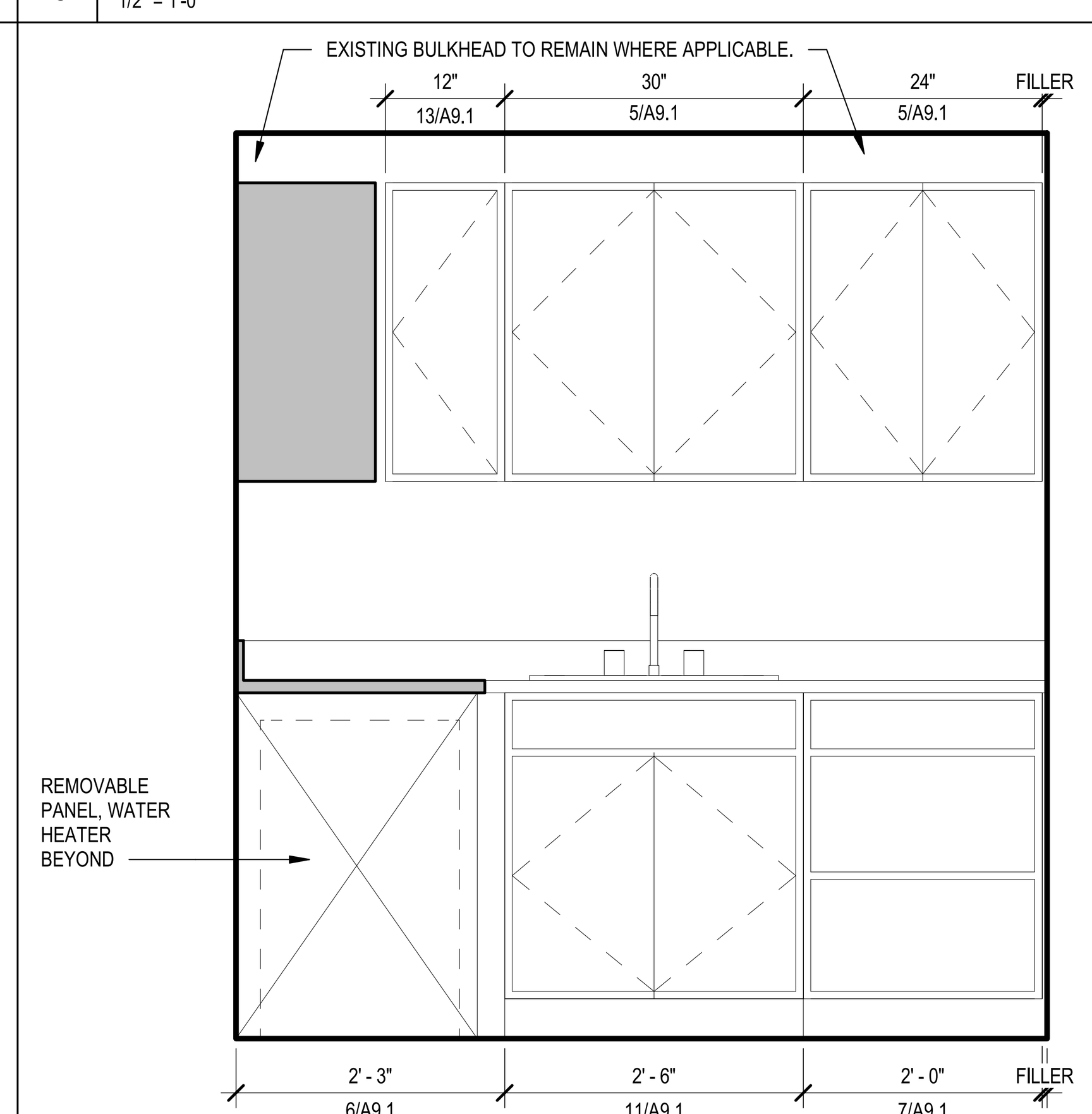
2 **Typical Enlarged Floor Plan - Type 1A**
1/4" = 1'-0"

THIS SHEET REPRESENTS THE MOST STRINGENT REQUIREMENTS FOR ACCESSIBILITY BETWEEN THE 2010 ADA STANDARDS AND THE 2009 ICC A117. THIS SHEET IS NOT MEANT TO DICTATE DIMENSIONS ON THE FOLLOWING SHEETS, BUT TO SERVE AS A GUIDE TO BUILDER AND DESIGNER. VERIFY ALL STANDARDS ON THIS SHEET WITH THE SPECIFIC DIMENSIONS ON THE FOLLOWING SHEETS. STUDIO FOUR SHOULD BE IMMEDIATELY INFORMED OF ANY DISCREPANCIES.

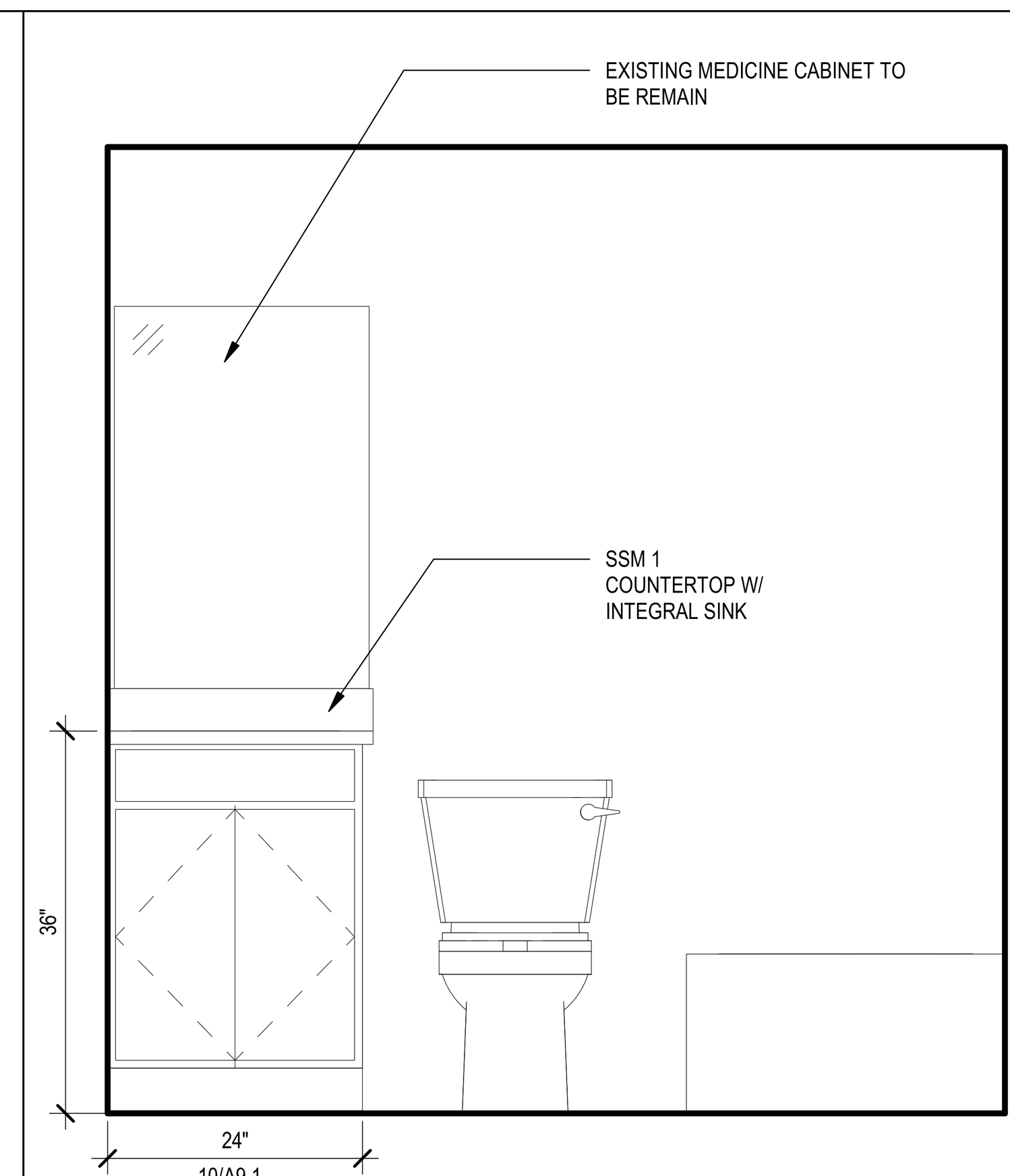




8 **Typical Kitchen Elevation B - Type 1A**
3/4" = 1'-0"

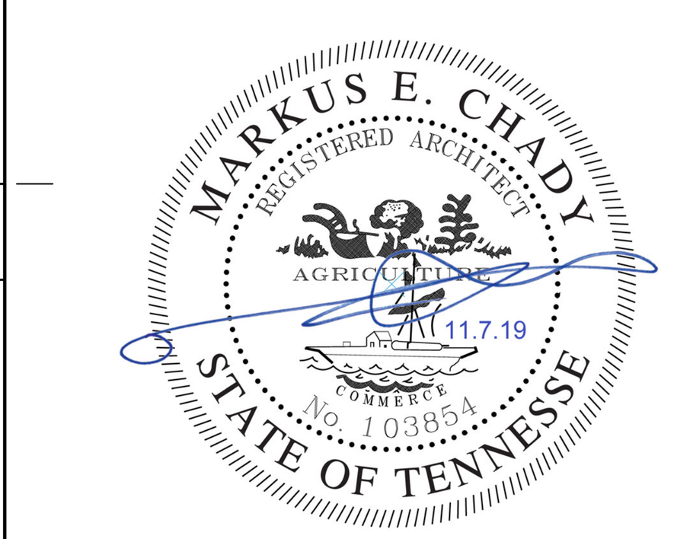


5 **Typical Kitchen Elevation A - Type 1A**
3/4" = 1'-0"



4 **Standard Unit Bathroom Elevation**
3/4" = 1'-0"

1 **Access - Lavatories and Fountains**
1/2" = 1'-0"



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Enlarged Typcial Floor Plans & Interior Elevations

A8.3

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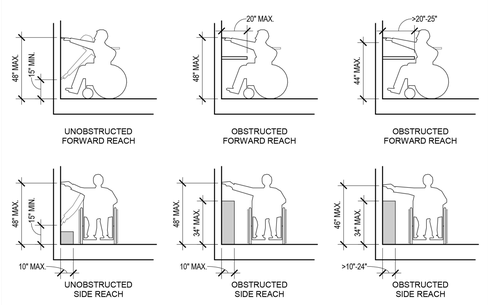
A	
AFF	Above Finished Floor
ACT	Acoustical Ceiling Tile
B	
BBT	Bio-Based Tile
C	
CT	Ceramic Tile
COM	Customer Owned Material
CONC	Concrete (Sealed)
CG	Corner Guard
E	
EPXY	Epoxy
ETR	Existing To Remain
G	
GYP	Gypsum Wall Board
I	
IB	Integral Base
L	
LVT	Luxury Vinyl Tile
0	
OFCI	Owner Furnished, Contractor Installed
OFOI	Owner Furnished, Owner Installed
P	
PTD	Painted
PLAM	Plastic Laminate
PM or P/M	Patch & Match
PWC	Plastic Wall Covering
PC	Polished Concrete
POLY	Poly Resin
PT	Porcelain Tile
Q	
QTZ	Quartz
R	
RUB	Rubber Base
S	
SHT-V	Sheet Vinyl
SHT-RUB	Sheet Rubber
SSM	Solid Surface
SC	Stained Concrete
SST	Stainless Steel
SSF	Synthetic Stone
V	
VCT	Vinyl Composition Tile
VWC	Vinyl Wallcovering
W	
WD	Wood
WMCT	Wire Management Cable Tray

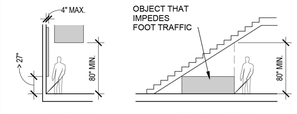
18 Finish Abbreviations
NTS

1. REFER TO GENERAL NOTES ON T0.1
2. REFER TO A0.0 FOR FINISH SCHEDULE AND LEGEND.
3. GENERAL CONTRACTOR AND/OR SUBCONTRACTOR TO VERIFY LEAD TIMES AT TIME OF BIDDING.
4. GENERAL CONTRACTOR TO FIELD VERIFY EXISTING WALL, FLOOR, AND CEILING CONDITIONS PRIOR TO CONSTRUCTION. ALL WALL PREP, FLOOR PREP, AND REQUIRED ADDITIONAL PREP TO RECEIVE SPECIALTY FINISHES SHALL BE INCLUDED IN THE SCOPE OF WORK.
5. GYPSUM BOARD CONTROL AND EXPANSION JOINTS ARE TO BE INSTALLED AS REQUIRED BY THE U.S. GYPSUM ASSOCIATION.
6. DRYWALL SUBCONTRACTOR TO REFER TO MANUFACTURER'S RECOMMENDATIONS FOR LEVEL OF FINISH REQUIRED, TO RECEIVE SCHEDULED SPECIALTY FINISHES.
7. ALL GRILLES / VENTS MOUNTED TO WALLS / SOFFITS & FASCIA TO BE PAINTED TO MATCH ADJACENT WALL OR CEILING COLOR, UNLESS OTHERWISE NOTED.
8. CONTRACTOR SHALL CONTACT THE ARCHITECT IMMEDIATELY UPON DISCOVERY OF DISCREPANCIES BETWEEN THESE DRAWINGS AND EXISTING CONDITIONS.
9. ALL TRANSITIONS TO OCCUR AT THE CENTERLINE OF THE DOOR UNLESS SHOW OTHERWISE. ALL FLOOR TRANSITIONS TO BE LEVEL AND FLUSH.
10. CONTRACTOR SHALL SUBMIT TO THIS OFFICE ACTUAL SAMPLES, IN DUPLICATE, OF EACH COLOR AND MATERIAL SELECTED BY THE DESIGNER FOR THE DESIGNER'S VERIFICATION AND APPROVAL NO LATER THAN TWO (2) WEEKS FROM DATE OF CONTRACT. SAMPLES SHALL BE PROPERLY LABELED BY PROJECT AND CODE.
11. RESILIENT TILE FLOORING TO BE INSTALLED WITH STRIATIONS RUNNING IN THE SAME DIRECTION, UNLESS OTHERWISE NOTED.
12. ANY LOCATION WHERE ACCENT WALL PAINT DOES NOT TERMINATE AT WALL CORNER WILL REQUIRE A GWB REVEAL.
13. ALL COUNTERTOP SUPPORT BRACKETS SHALL BE PAINTED TO MATCH ADJACENT WALL.
14. CONTINUOUS CLEATS TO INSTALL ALL CABINETS. EXPANSION ANCHORS TO BE USED IN MASONRY WALLS. SEE SPECIFICATION.
15. FLOOR MATERIALS TO INSTALL UP TO EXISTING EXPANSION JOINTS AND BE CAULKED.

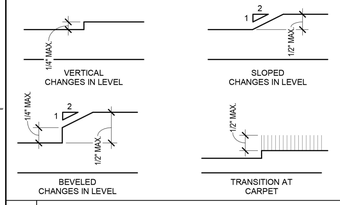
17 Finish Notes
NTS



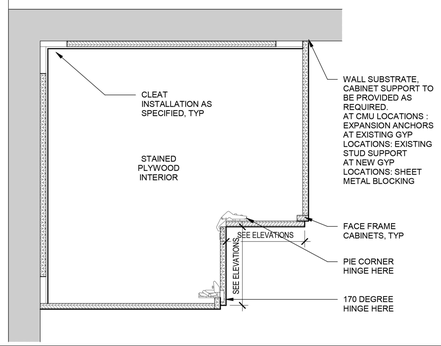
16 Access - Reach Ranges
1/4" = 1'-0"



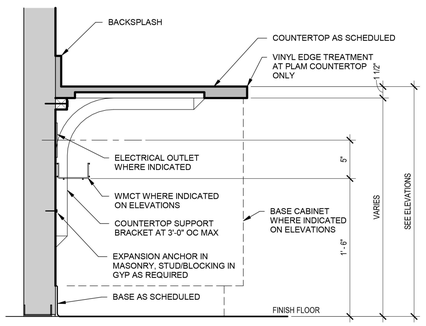
15 Access - Protruding Objects
1/8" = 1'-0"



14 Access - Floor Surfaces and Level Changes
6" = 1'-0"

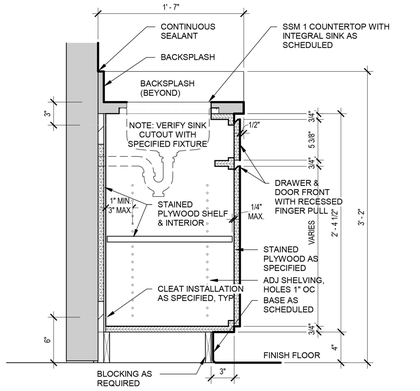


18 Typical Millwork Corner
1 1/2" = 1'-0"



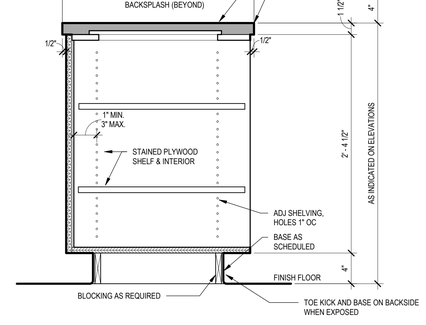
12 Typical Countertop With Support Bracket
1 1/2" = 1'-0"

11 Typical Sink Cabinet Section
1 1/2" = 1'-0"

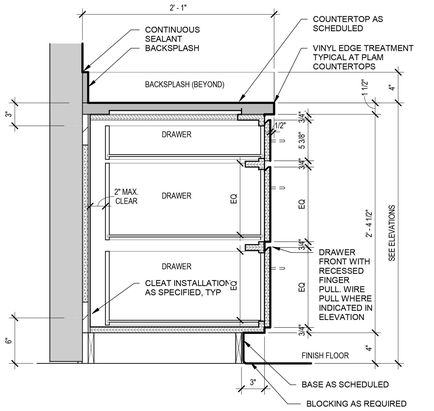


10 Typical Base Millwork Section - 18"
1 1/2" = 1'-0"

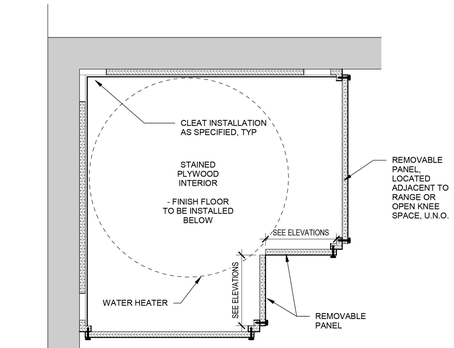
9 Typical Base Millwork Section Shelving
1 1/2" = 1'-0"

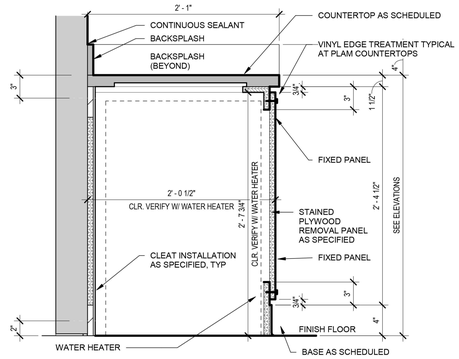


8 Typical Sink Apron Detail
1 1/2" = 1'-0"

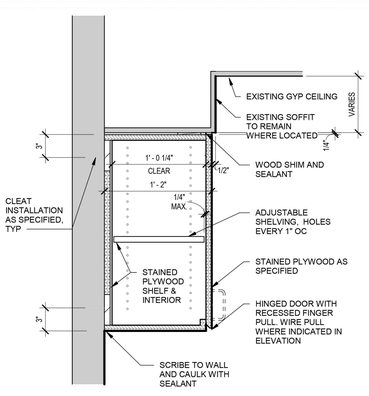


7 Typical Base Millwork Section With Drawers
1 1/2" = 1'-0"

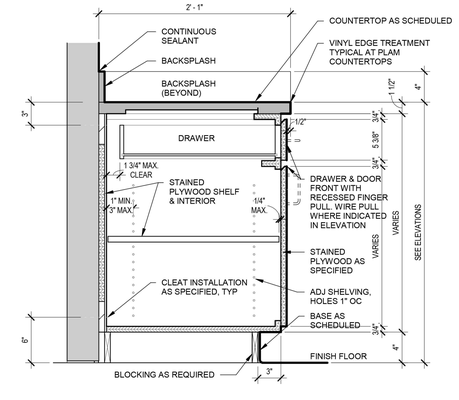




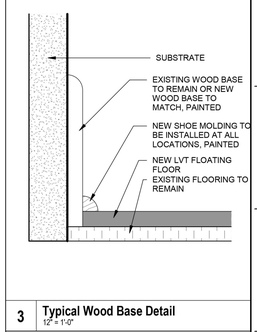
6 Typical Base Millwork Section - Water Heater
1 1/2" = 1'-0"



5 Typical Upper Millwork Section
1 1/2" = 1'-0"



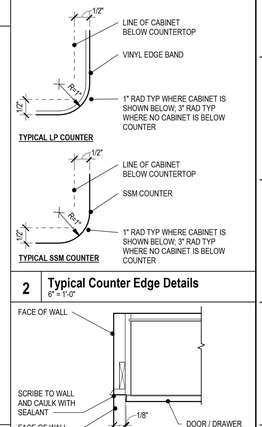
4 Typical Base Millwork Section
1 1/2" = 1'-0"



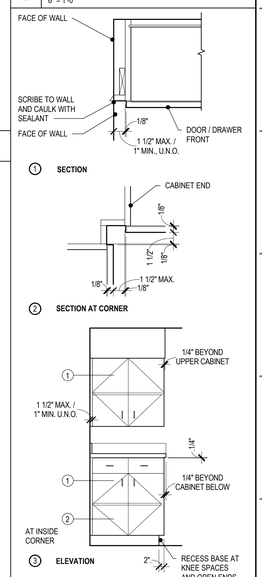
3 Typical Wood Base Detail
12" = 1'-0"

CASEWORK GENERAL NOTES:

1. PROVIDE FINISHED END PANELS WHERE CASEWORK DOES NOT ABUT WALL.
2. PROVIDE FILLER BETWEEN CABINET AND WALL CONSTRUCTION. EXTEND COUNTERTOPS TO FINISHED WALL, SEE CASEWORK DETAILS.
3. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION.
4. AT OPEN ENDS OF CABINETS WITH VALANCES, EXTEND SIDE PANEL DOWN TO ALIGN WITH BOTTOM OF VALANCE.
5. SCRIBE FILLER PIECE TO SOFFIT AND WALL (TYP.), SEE CASEWORK DETAILS.
6. PROVIDE GROMMETS IN COUNTERTOPS ABOVE ELECTRICAL AND COMMUNICATION OUTLETS. COORDINATE EXACT LOCATIONS WITH OWNER.
7. SEE SHEET INTERIOR FINISH INDEX SHEET FOR ADDITIONAL FINISH INFORMATION.



2 Typical Counter Edge Details
6" = 1'-0"



1 Typical Millwork Installation Details
1 1/2" = 1'-0"

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KCDC - Renovation at Guy B. Love Tower

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11.7.19
103854
STATE OF TENNESSEE

Project Phase: Construction Documents

Issue Date: 11.07.2019	
Revisions	
No. Descripton	Date

Job Number: 19089.00

Interior Details

A9.1

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PLUMBING FIXTURE SCHEDULE

DESIGNATION	FIXTURE TYPE	MANUFACTURER	MODEL#	DESCRIPTION	NOTES
WC1 ADA	WATER CLOSET CONNECTION SIZES	SLOAN	WETS-2023.1010	SLOAN, ADA FLOOR MOUNTED FLUSH VALVE TYPE ELONGATED 1.6 GPF WATER CLOSET WITH SLOAN III MANUAL FLUSHOMETER, CENTOCO 500 SERIES WHITE OPEN FRONT SEAT WITH SELF SUSTAINING STAINLESS STEEL CHECK HINGES, CLOSET BOLTS AND WAX RING WASTE 3", VENT 2", CW 1" NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ACTIVATION MECHANISMS LOCATION PER ADA REQUIREMENTS	
KS1	SINK FAUCET DRAIN P-TRAP CONTINUOUS WASTE SUPPLIES CONNECTION SIZES	ELKAY ZURN ZURN ZURN ZURN ZURN	LRAD332255 Z871G1-XL-HS Z8741-PC Z8702-PC Z8751 Z8804-XL-LRLKQ-PC	LUSTERTONE 2 BOWL 18GA STAINLESS STEEL 33" X 22" X 5-1/2" DROP IN SINK 8"CC FAUCET WITH 8" CAST SWING SPOUT, CERAMIC DISK CARTRIDGES, TWO 2-1/2" METAL HANDLES AND MATCHING SIDE SPRAY HEAVY DUTY BASKET STRAINER WITH CAST BRASS LOCK AND COUPLING NUT 1-1/2" CAST BRASS 17 GAUGE P-TRAP WITH CLEANOUT 1-1/2" 20 GAUGE CONTINUOUS WASTE END OUTLET WITH CAST BRASS TEE 1/2" X 3/8" COMP X COMP LAVATORY SUPPLY KIT WITH ESCUTCHEONS, 1/4 TURN CHROME PLATED STOPS AND CHROME PLATED COPPER TUBE SUPPLY LINES CW 1/2",HW 1/2",WASTE 1-1/2",VENT 1-1/2"	
KS2	SINK FAUCET DRAIN P-TRAP SUPPLIES CONNECTION SIZES	ELKAY ZURN ZURN ZURN ZURN	LRAD252155 Z831B4-XL Z8741-PC Z8702-PC Z8804-XL-LRLKQ-PC	LUSTERTONE 18GA STAINLESS STEEL 25" X 21-1/4" X 5-1/2" DROP IN SINK 8"CC FAUCET WITH 5-3/8" GOOSENECK SPOUT, CERAMIC DISK CARTRIDGES, TWO 4" METAL WRIST BLADE HANDLES HEAVY DUTY BASKET STRAINER WITH CAST BRASS LOCK AND COUPLING NUT 1-1/2" CAST BRASS 17 GAUGE P-TRAP WITH CLEANOUT 1/2" X 3/8" COMP X COMP LAVATORY SUPPLY KIT WITH ESCUTCHEONS, 1/4 TURN CHROME PLATED STOPS AND CHROME PLATED COPPER TUBE SUPPLY LINES CW 1/2",HW 1/2",WASTE 1-1/2",VENT 1-1/2"	
L1	LAVATORY FAUCET MIXING VALVE DRAIN P-TRAP SUPPLIES CONNECTION SIZES	REFER TO ARCH SYMMONS SYMMONS ZURN ZURN ZURN	REFER TO ARCH S-20-0-.5 7-210-CK Z8743-PC Z8700-PC Z8804-XL-LRLKQ-PC	BOWL INTEGRAL TO COUNTER TOP, PROVIDED BY GC SYMMETRIX SINGLE HANDLE 4CC LAVATORY FAUCET WITH .5GPM AERATOR AND CERAMIC DISC CARTRIDGE MAXLINE 3/8" THERMOSTATIC ASSE 1017/1070 MIXING VALVE 1-1/4" CHROME PLATED CAST BRASS 17GA GRID DRAIN 1-1/4" CAST BRASS 17GA P-TRAP WITH CLEANOUT 1/2" X 3/8" COMP X COMP LAVATORY SUPPLY KIT WITH ESCUTCHEONS, 1/4 TURN CHROME PLATED STOPS AND CHROME PLATED COPPER TUBE SUPPLY LINES CW 1/2",HW 1/2",WASTE 1-1/4",VENT 1-1/4"	
L1	SINK FAUCET DRAIN TRAP SUPPLIES CARRIER CONNECTION SIZES	SLOAN T&S BRASS	SS-3003 B-2701-VF05	20"x18" VITREOUS CHINA WALL HUNG W/ BACKSPLASH - SINGLE HOLE SINGLE LEVER CHROME PLATED FAUCET - STANDARD, .5 GPM FLOW GRID STRAINER W/ 1-1/2" TAILPIECE 1-1/2" CAST BRASS P-TRAP W/ C.O. PLUG ANGLE SUPPLIES W/ LOOSE KEYS CONCEALED ARM SUPPORT WASTE 1-1/2", VENT 1 1/2", H&CW 1/2"	DEDUCT ALTERNATE LAVATORY
L2 ADA	SINK FAUCET DRAIN TRAP SUPPLIES CARRIER INSTALLATION KIT CONNECTION SIZES	SLOAN T&S BRASS TRUEBRO	SS-3004 B-2701-VF05 102	20"x18" VITREOUS CHINA WALL HUNG W/ WHEELCHAIR - 4" CENTERSET SINGLE LEVER CHROME PLATED FAUCET - STANDARD, .5 GPM FLOW GRID STRAINER W/ 1-1/2" TAILPIECE 1-1/2" CAST BRASS P-TRAP W/ C.O. PLUG ANGLE SUPPLIES W/ LOOSE KEYS CONCEALED ARM SUPPORT HANDI-GUARD, MOLDED CLOSED CELL VINYL INSULATION WASTE 1-1/2", VENT 1 1/2", H&CW 1/2"	
SH1	SHOWER HEAD CONNECTION SIZES	LEONARD	H15	SPRAY BALL JOINT MASSAGE SHOWER HEAD PROVIDE W/ FULL SIZE P-TRAP WASTE 2", VENT 1-1/2", H&CW 1/2"	
SH2	SHOWER VALVE CONNECTION SIZES	AQUA BATH LEONARD	1363BFS 4501-H15	36X36X74-1/8 WHITE, BARRIER FREE WHEN PROPERLY INSTALLED WITH A CENTER DRAIN. FIXTURE WALL, GRAB BARS, FOLD UP SEAT AND SOAP DISH INCLUDED "AQUATROL" PRESSURE ACUTATED MIXER SHOWER UNIT, CHROME PLATED, W/ 1.5 GPM - ADJUSTABLE SPRAY BALL JOINT MASSAGE SHOWER HEAD PROVIDE W/ FULL SIZE P-TRAP WASTE 2", VENT 1-1/2", H&CW 1/2"	

PLUMBING NOTES:

1. SANITARY WASTE AND VENT PIPING BOTH ABOVE AND BELOW GRADE SHALL BE SCHEDULE 40 PVC-DWV PLASTIC PIPE AND FITTINGS WITH SOLVENT WELD JOINTS. PLASTIC PIPING AND PIPING COMPONENTS SHALL BE LISTED AS CONFORMING WITH ANSI/NSF STD. 14 AND ASTM D-2665. CAST IRON WHERE INDICATED.
2. UNLESS INDICATED OTHERWISE ON DRAWINGS, INTERNAL WATER PIPING IS TO BE ROUTED IN CEILING SPACES, ATTICS, CRAWL SPACES AND IN AND BETWEEN WALL STUDS, ETC. (AS AND WHERE APPLICABLE) AND ON INSIDE OF INSULATED BUILDING ENVELOPE. THIS PIPING SHALL BE TYPE "L" COPPER AND INSTALLED IN ACCORDANCE WITH 2012 INTERNATIONAL PLUMBING CODE. TYPE "A" (REHAU OR UPONOR) PEX IS PERMISSIBLE UPON OWNERS APPROVAL ONLY ON WATER LINES 2" AND SMALLER. WHERE PEX IS USED COLD AND HOT WATER MAINS SHALL BE TYPE L COPPER WITH BRANCH PIPING BEING PEX. WHERE PEX IS USED AS MAINS IN LIEU OF COPPER, PIPING SHALL BE A PIPE SIZE LARGER THAN WHAT IS SHOWN ON PLANS. ALL EXPOSED PIPING MUST BE TYPE L COPPER.
3. ALL VENT PIPING TO PENETRATE ROOF A MINIMUM OF 12" ABOVE ROOF. FLASH AND SEAL TO ROOF WEATHERTIGHT. PAINT VENT PIPING ABOVE ROOF AND WITH 2 COATS EPOXY BASED PAINT. COLOR TO MATCH ROOF.
4. CONTRACTOR SHALL INSPECT SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS WHICH MAY AFFECT WORK, INCLUDING VERIFICATION OF LOCATIONS AND RELATIONSHIP BETWEEN FIXTURES AND CONNECTIONS.
5. PIPING PLACED IN TRENCHES SHALL BE EMBEDDED IN 6" OF LOOSE AGGREGATE FILL, TAMP FILL MATERIAL ON EACH SIDE IN 6" LAYERS. ALL PIPING UNDER SLAB SHALL HAVE A MINIMUM 1" COVER FROM BOTTOM OF SLAB TO TOP OF PIPE AT HIGH POINT. PROTECT PIPING FROM BEING CRUSHED OR OTHERWISE CONSTRICTED.
6. EACH SINK, WATER CLOSET, ETC. SHALL HAVE SHUT-OFF VALVES LOCATED AT THE FIXTURE.
7. THE PLUMBING SYSTEM IN ITS ENTIRETY SHALL NOT BE COVERED UNTIL IT HAS BEEN INSPECTED, TESTED, AND APPROVED BY THE OWNER.
8. PRIOR TO COVERING THE WATER SUPPLY SYSTEM, IT SHALL BE PRESSURE TESTED AND PROVED TIGHT UNDER A WATER PRESSURE NOT LESS THAN 25 P.S.I. ABOVE THE WORKING PRESSURE UNDER WHICH IT IS TO BE OPERATED. THIS TEST SHALL BE COMPLETED AND APPROVED IN THE PRESENCE OF THE OWNER.
9. ALL SOLDERED JOINTS SHALL BE CLEANED BRIGHT AND ALL BURRS SHALL BE REMOVED AND THE INTERIOR PIPE DIAMETER SHALL BE RETURNED TO FULL BORE.
10. ALL SOLDER AND FLUX USED IN THE INSTALLATION OR REPAIR OF THE WATER SUPPLY OR DISTRIBUTION SYSTEM SHALL BE LEAD FREE.
11. ALL SOLDERED JOINT MATERIAL SUCH AS FITTINGS, SOLDER, TUBING SHALL BE APPROVED BY THE OWNER PRIOR TO INSTALLATION.
12. ALL MATERIALS, METHODS, AND PRACTICES SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL PLUMBING CODE.
13. CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED FITTINGS TO CREATE A COMPLETE AND FUNCTIONAL PLUMBING SYSTEM. CONTRACTOR SHALL DETERMINE ANY FITTINGS REQUIRED FOR CONNECTION TO FIXTURES SPECIFIED.
14. PROVIDE REMOVABLE PVC COVERS ON ALL EXPOSED SUPPLY AND WASTE FITTINGS TO COMPLY WITH ANSI STD. A117.1 REQUIREMENTS.
15. CLEANOUTS:
    A. INTERIOR FINISHED FLOOR AREAS (FCO) - LACQUERED CAST IRON BODY WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR, THREADED TOP ASSEMBLY AND ROUND GASKETED DEPRESSED COVER TO ACCEPT FLOOR FINISH.
    B. INTERIOR FINISHED WALL AREAS (WCO) - LINE TYPE WITH LACQUERED CAST IRON BODY AND ROUND EPOXY COATED GASKET COVER, AND ROUND STAINLESS STEEL ACCESS COVER SECURED WITH MACHINE SCREW.
    C. EXTERIOR SURFACED AREAS - ROUND CAST NICKEL BRONZE ACCESS FRAME AND NON-SKID COVER.
    D. EXTERIOR UN-SURFACED AREAS - LINE TYPE WITH LACQUERED CAST IRON BODY AND ROUND EPOXY COATED GASKET COVER.
16. ALL HOT WATER PIPE ABOVE GRADE SHALL BE INSULATED WITH 1 1/2" FIBERGLASS, LOW PRESSURE INSULATION WITH WHITE UNIVERSAL JACKET. ALL COLD WATER PIPE ABOVE GRADE SHALL BE INSULATED WITH 1/2" FIBERGLASS, LOW PRESSURE INSULATION WITH WHITE UNIVERSAL JACKET. ALL INSULATION SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
17. ALL BALL/CONTROL/BALANCING VALVES WHICH ARE NOT READILY ACCESSIBLE VIA LAY-IN CEILING OR OPEN TO SPACE SHALL BE PROVIDED WITH AN ACCESSIBLE LOCKING PANEL EQUAL TO MIFAB TYPE CAD-FL - ACCESS PANEL SHALL BE PAINTED TO MATCH CEILING OR WALL FINISH.
18. ALL CONDENSATE PIPING SHALL BE INSULATED WITH 1" THICK ARMAFLEX INSULATION WITH GLUED JOINTS, OR 1 1/2" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER MASTIC WRAP.
19. ALL HORIZONTAL RAINWATER PIPING ABOVE GRADE SHALL BE INSULATED WITH 1" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER MASTIC WRAP.
20. PROVIDE VACUUM BREAKERS WHERE ANY THREADED CONNECTIONS ARE PRESENT ON WATER SUPPLY LINE.
21. WATER HAMMER ARRESTORS TO BE INSTALLED ON EQUIPMENT PER MANUFACTURER RECOMMENDATIONS.

PLUMBING LEGEND

- COLD WATER LINE
- HOT WATER SUPPLY
- HOT WATER RETURN
- 140° — HOT WATER - 140°F
- SANITARY SEWER LINE
- GW — GREASE WASTE
- VENT LINE
- C — CONDENSATE
- A — AIR
- POINT OF CONNECTION TO EXISTING PLUMBING
- FLOOR DRAIN
- FLOOR SINK
- WATER CLOSET CONNECTION
- FLOOR/GRADE CLEAN-OUT
- WALL CLEAN-OUT
- FIXTURE CONNECTION
- HOSE BIBB
- A — WATER HAMMER ARRESTOR

NOTE:
1. FOR CONNECTION SIZES AT FIXTURES, SEE PLUMBING FIXTURE SCHEDULE.

PIPING SYMBOLS

- BALL VALVE
- BUTTERFLY VALVE
- GATE VALVE
- CHECK VALVE
- GLOBE VALVE
- GAS COCK / PLUG VALVE
- UNION
- CIRCUIT SETTER
- PRESSURE REGULATING VALVE
- PRESSURE RELIEF VALVE
- PIPE TURN DOWN
- PIPE TURN UP
- PIPE TEE DOWN
- PIPE TEE UP
- PIPE TRANSITION
- STRAINER
- CLEAN OUT

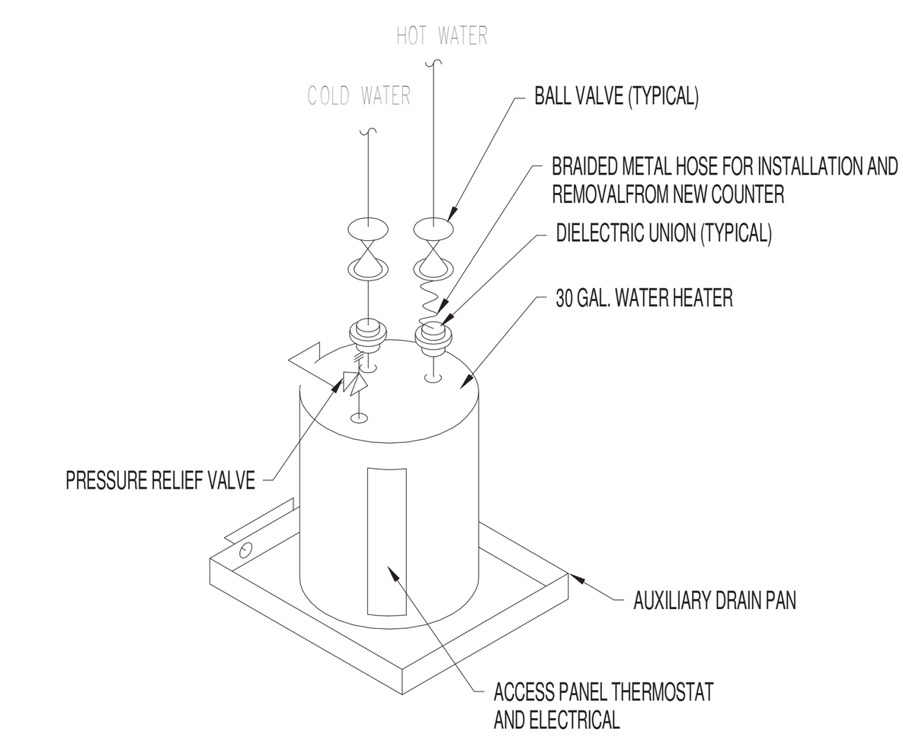
ABBREVIATIONS

- BV BALL VALVE
- CI CAST IRON
- CO CLEAN OUT
- CON CONDENSATE
- CW COLD WATER
- CHK. V CHECK VALVE
- EX EXISTING
- FD FLOOR DRAIN
- FS FLOOR SINK
- GW GREASY WASTE
- HB HOSE BIB/WALL HYDRANT
- HW HOT WATER
- HWS HOT WATER SUPPLY
- HWR HOT WATER RETURN
- P1 FIXTURE NUMBER (SEE SCHEDULE)
- SS SANITARY SEWER
- VS VENT STACK
- VT VENT LINE
- VTR VENT THRU ROOF
- VB VACUUM BREAKER
- WH WATER HEATER
- WS WASTE STACK

ELECTRIC WATER HEATER SCHEDULE

MARK	WH1
DESIGN MANUFACTURER	A.O SMITH
MODEL NUMBER	ENLB-30
GALLON CAPACITY	30
RECOVERY @ 100 DEG. F. RISE	18 GPH
HEATNG. CAP. (KW) - NON-SIMULTANEOUS	3 KW
ELECTRICAL (VOLTS/HZ/PH)	208/60/1

NOTES:
1. ALTERNATIVE MANUFACTURERS: LOCHINVAR, RHEEM, STATE IND.
2. PROVIDE RECIRULATING PUMP SEE SCHEDULE.
3. RECIRCULATING PUMP SHALL BE EQUIPPED W/ AUTOMATIC TIMER
4. UNITS SHALL BE ASME LISTED.



NOTE:
PROVIDE CLEARANCE ABOVE HEATER FOR MAINTENANCE AND REMOVAL

ELECTRIC WATER HEATER DETAIL INSTALLED UNDER CABINETRY

NOT TO SCALE

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KCDC Guy B. Love Tower Renovation Renovation

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Project Phase: Construction Documents

Issue Date: 09/23/19

Revisions

No.	Descripton	Date

Job Number: 19089.00

PLUMBING NOTES, LEGENDS, AND SCHEDULES

P0.1

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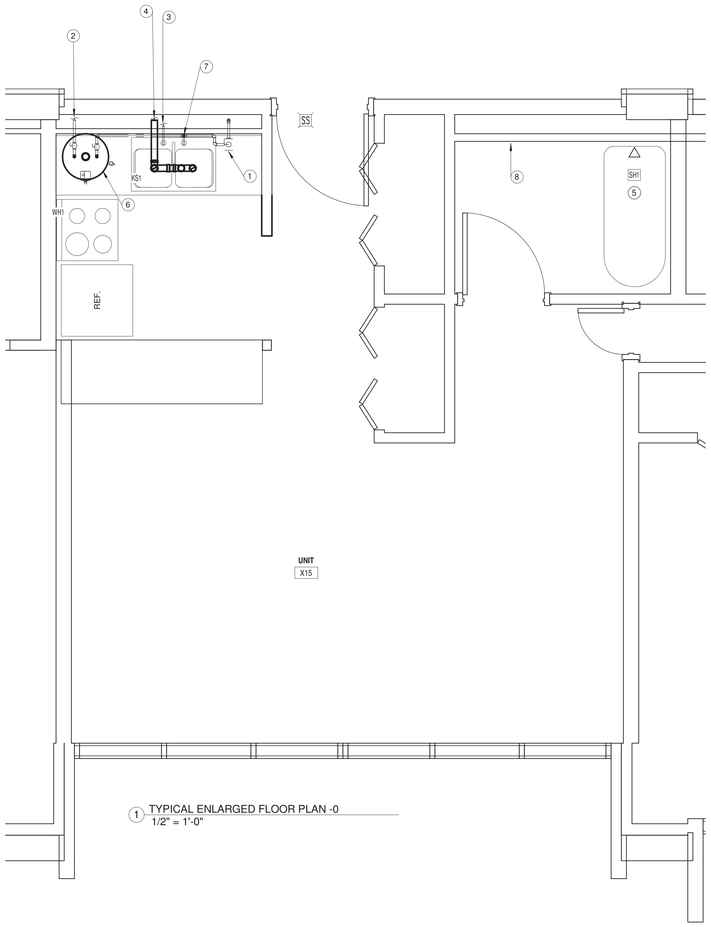
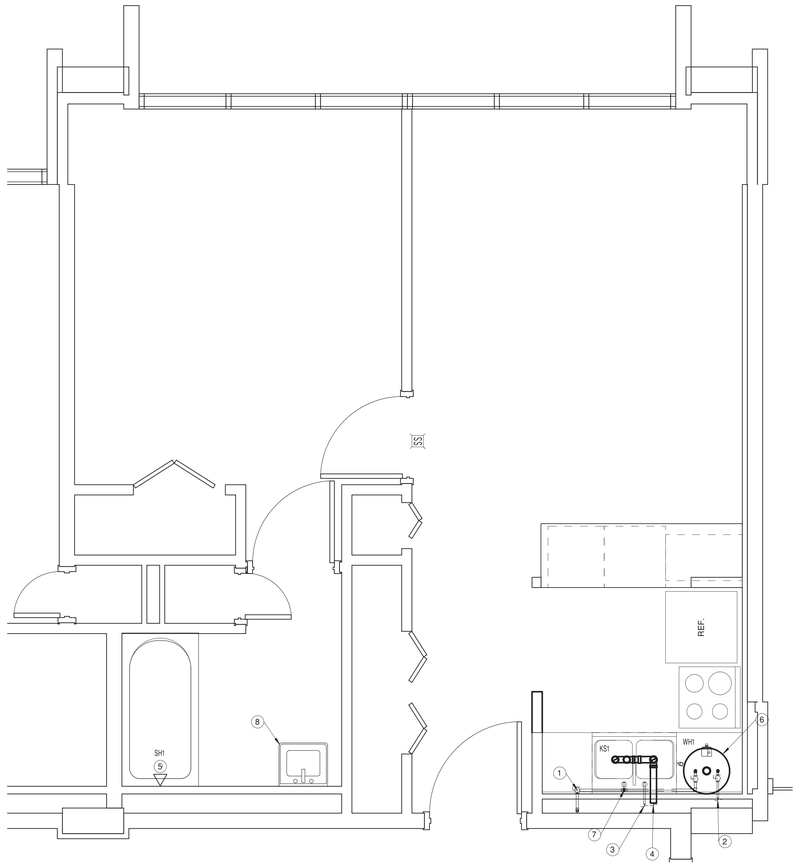


1 TYPICAL ENLARGED FLOOR PLAN -0
1/2" = 1'-0"



2 TYPICAL ENLARGED FLOOR PLAN -1
1/2" = 1'-0"

GENERAL NOTES:
1. ALL EXPOSED PIPING IN CABINET TO BE DEMOLISHED. RETAIN SUFFICIENT PIPING FROM BEHIND WALL FOR CONNECCTION TO NEW PIPING AS SHOWN

2. COORDINATE WITH NEW CABINETS TO PROVIDE REQUIRED OPENINGS IN CABINETS FOR CONNECTIONS TO EXISTING PIPE AND NEW FIXTURES.

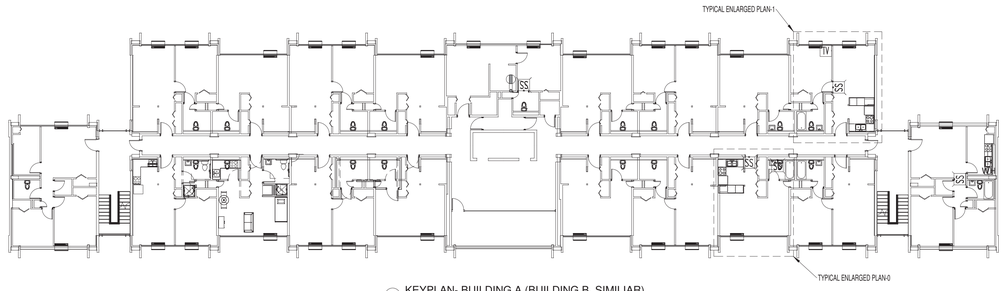
3. EXISTING PIPE PENETRATIONS FROM CHASE MAY DIFFER FROM WHERE SHOWN ON PLAN. CONTRACTOR TO MAKE ADJUSTMENTS TO PIPE LAYOUT AS REQUIRED TO MINIMIZE OR ELIMINATE ANY WORK INSIDE EXISTING CHASE NOT SHEDULED TO BE DEMOLISHED

4. NOT ALL EXISTING PIPING SHOWN ON PLANS

5. FIELD VERIFY LOCATION OF EXISTING PIPING PRIOR TO FABRICATION AND CUTTING OF NEW PIPING.

KEY NOTES:

1. CONNECT NEW 3/4" CW TO EXISTING CONNECTION TO DOMESTIC CW RISER IN CHASE. INSTALL 3/4" QUARTER TURN SHUT-OFF VALVE IN LINE PRIOR TO ANY FIXTURE CONNECTIONS
2. CONNECT NEW 3/4" HW TO EXISTING HW LINE IN CHASE
3. CONNECT KS1 HW SUPPLY TO EXISTING HW IN CHASE.
4. CONNECT KS1 BRANCH DRAIN TO EXISTING WASTE STACK IN CHASE
5. REPLACE SHOWER HEAD WITH NEW PER SCHEDULE.
6. NEW WH1, INSTALLED WITH FLEXIBLE HOSE CONNECTIONS AND SHUT-OFF VALVES AND INSIDE 2" DRAIN PAN. CONNECT TO CW, HW, AND EXISTING T&P RELIEF DRAIN LINE IN CHASE
7. ROUTE 3/4" CW EXPOSED IN CABINETRY TO KS1 AND WH1
8. CONNECT NEW LAVATORY TO EXISTING WATER AND SANITARY CONNECTIONS IN CHASE



3 KEYPLAN- BUILDING A (BUILDING B, SIMILIAR)
1/16" = 1'-0"

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Project Phase: Construction Documents

Issue Date: 09/23/19		
Revisions		
No.	Descripton	Date

Job Number: 19089.00

TYPICAL ENLARGED PLANS

P1.0

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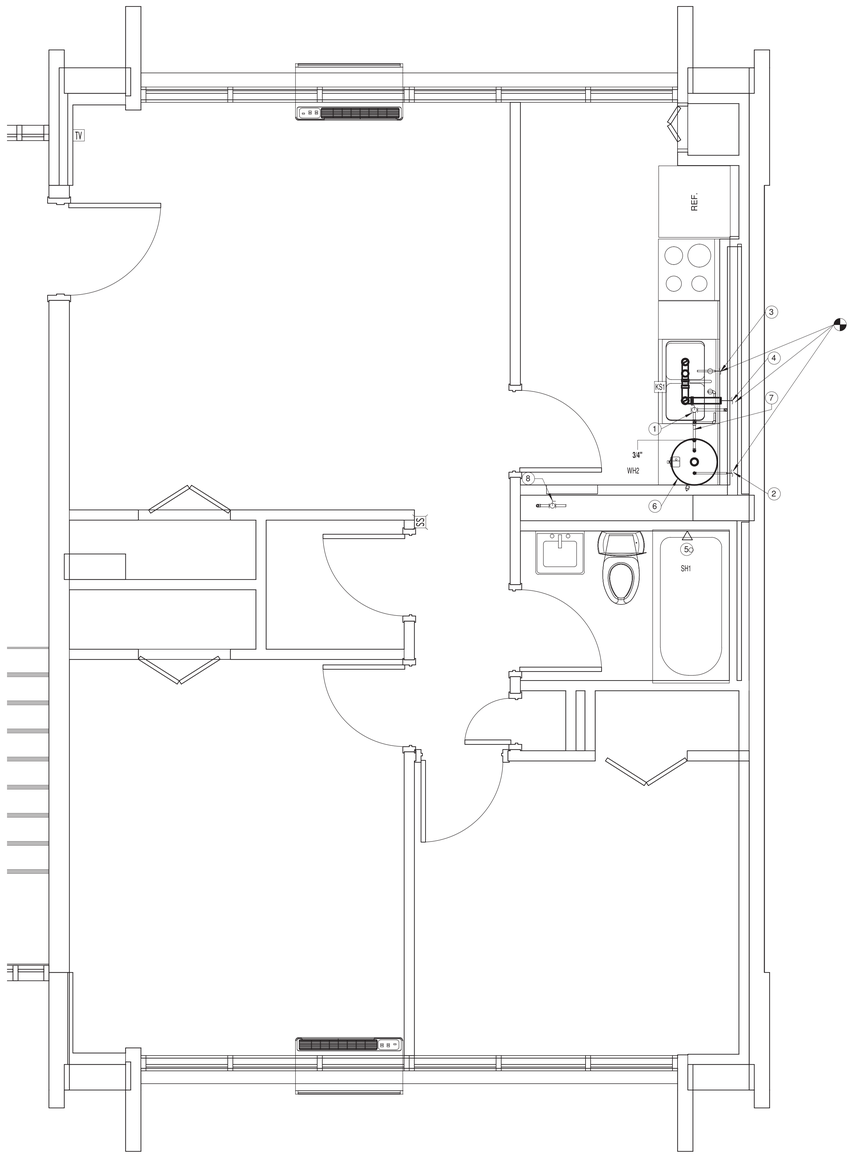
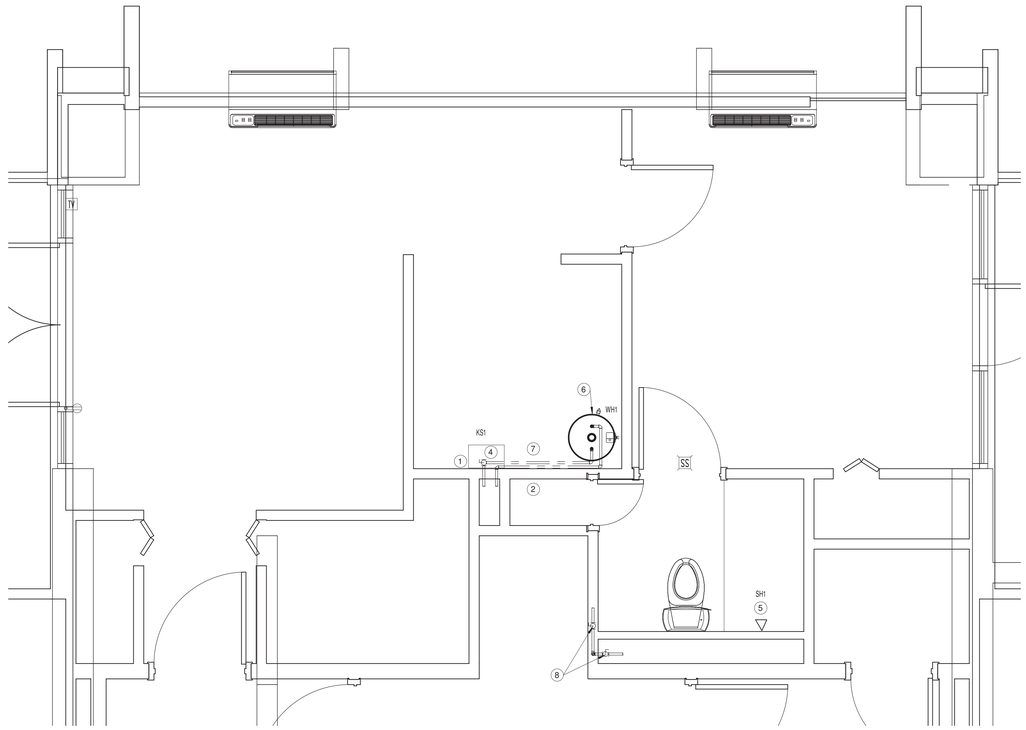


2 TYPICAL ENLARGED FLOOR PLAN -2
1/2" = 1'-0"



1 TYPICAL ENLARGED FLOOR PLAN - 1 BR BEHIND ELEVATOR - TYPE D
1/2" = 1'-0"

KEY NOTES:

1. CONNECT NEW 3/4" CW TO EXISTING DOMESTIC CW IN CHASE. INSTALL 3/4" SHUT-OFF VALVE IN LINE PRIOR TO ANY FIXTURE CONNECTIONS
2. CONNECT NEW 3/4" HW TO EXISTING HW LINE IN CHASE
3. CONNECT KS1 HW SUPPLY TO EXISTING HW IN CHASE.
4. CONNECT KS1 BRANCH DRAIN TO EXISTING WASTE STACK IN CHASE
5. REPLACE SHOWER HEAD WITH NEW PER SCHEDULE.
6. NEW WH1, INSTALLED WITH FLEXIBLE HOSE CONNECTIONS AND INSIDE 2" DRAIN PAN. CONNECT TO CW, HW, AND EXISTING T&P RELIEF DRAIN LINE IN CHASE
7. ROUTE 3/4" CW EXPOSED IN CABINETRY TO KS1 AND WH1
8. REPLACE 1-1/4" GATE VALVE WITH QUARTER TURN BALL VALVE

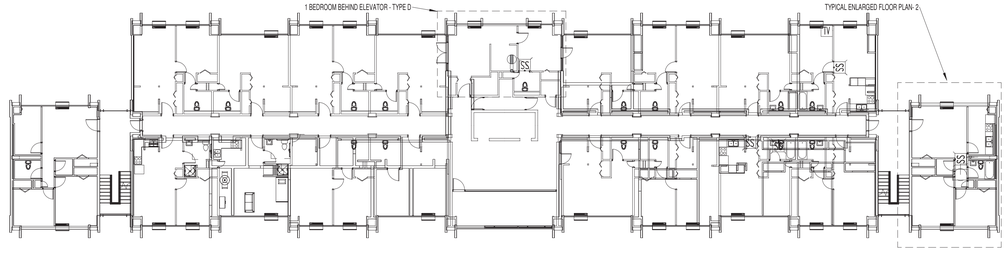
GENERAL NOTES
1. ALL EXPOSED PIPING IN CABINET TO BE DEMOLISHED. RETAIN SUFFICIENT PIPING FROM BEHIND WALL FOR CONNECCTION TO NEW PIPING AS SHOWN

2. COORDINATE WITH NEW CABINETS TO PROVIDE REQUIRED OPENINGS IN CABINETS FOR CONNECTIONS TO EXISTING PIPE.

3. EXISTING PIPE PENETRATIONS FROM CHASE MAY DIFFER FROM WHERE SHOWN ON PLAN. CONTRACTOR TO MAKE ADJUSTMENTS TO PIPE LAYOUT AS REQUIRED TO MINIMIZE OR ELIMINATE ANY WORK INSIDE EXISTING CHASE NOT SCHEDULED TO BE DEMOLISHED

4. NOT ALL EXISTING PIPING SHOWN ON PLANS

5 FIELD VERIFY LOCATION OF EXISTING PIPING PRIOR TO FABRICATION AND CUTTING OF NEW PIPING



3 KEYPLAN VIEW
1/16" = 1'-0"

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JASON W. HOLLWAY REGISTERED ENGINEER AGRICULTURE No. 109449 STATE OF TENNESSEE 11/07/2019

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Revisions		
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Job Number: 19089.00

TYPICAL ENLARGED PLAN

P1.1

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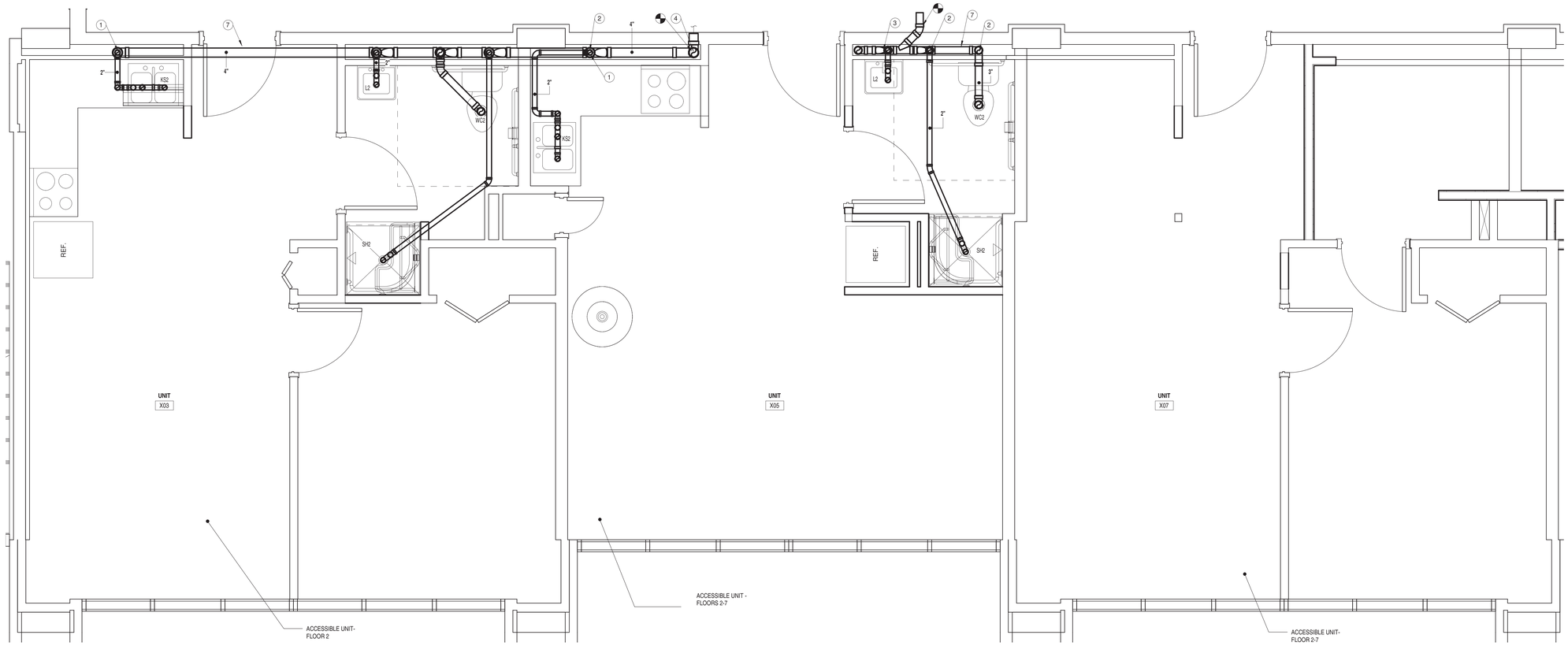
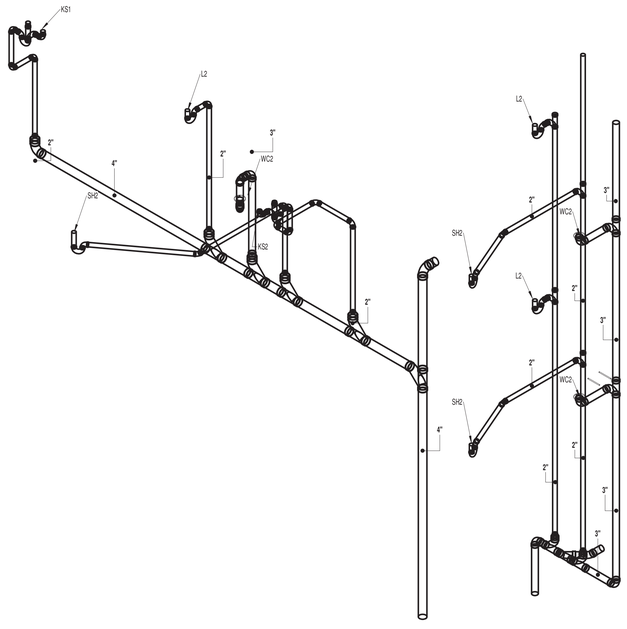
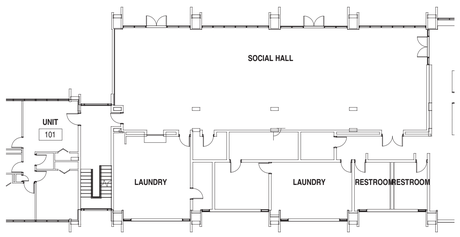


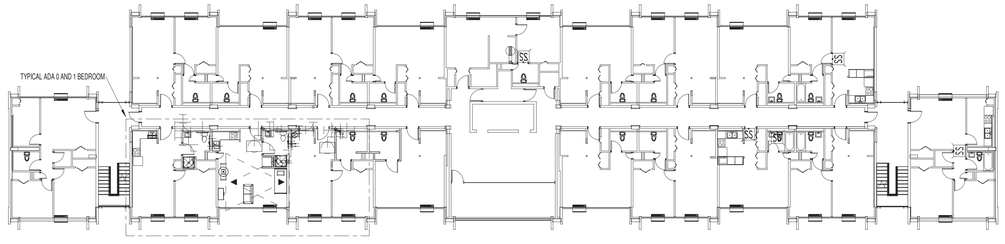
1 TYPICAL ADA 0 AND 1 BEDROOM SS
1/2" = 1'-0"



2 PLUMBING ISOMETRIC SANITARY



4 PARTIAL KEYPLAN VIEW
1/16" = 1'-0"



3 KEYPLAN VIEW ADA
1/16" = 1'-0"

GENERAL NOTES
1. ALL EXPOSED PIPING IN CABINET TO BE DEMOLISHED. RETAIN SUFFICIENT PIPING FROM BEHIND WALL FOR CONNECCTION TO NEW PIPING AS SHOWN

2. COORDINATE WITH NEW CABINETS TO PROVIDE REQUIRED OPENINGS IN CABINETS FOR CONNECTIONS TO EXISTING PIPE.

3. EXISTING PIPE PENETRATIONS FROM CHASE MAY DIFFER FROM WHERE SHOWN ON PLAN. CONTRACTOR TO MAKE ADJUSTMENTS TO PIPE LAYOUT AS REQUIRED TO MINIMIZE OR ELIMINATE ANY WORK INSIDE EXISTING CHASE NOT SCHEDULED TO BE DEMOLISHED

4. NOT ALL EXISTING PIPING SHOWN ON PLANS.

5. FIELD VERIFY LOCATION OF EXISTING PIPING PRIOR TO FABRICATION AND CUTTING OF NEW PIPING

KEY NOTES:

1. CONNECT KS1 BRANCH DRAIN TO NEW WASTE STACK IN CHASE
2. NEW 3" SINGLE STACK WASTE & VENT CONNECT TO NEAREST EXISTING VENT THROUGH OF EQUAL OR GREATER SIZE ON 7TH FLOOR
3. NEW 2-1/2" SINGLE STACK WASTE & VENT
4. KEEP AT FIRST FLOOR CEILING. CONNECT NEW STACK AT 2ND FLOOR ONLY
5. WASTE STACK BELOW FIRST FLOOR TO BE REPLACED WITH 4" SS DOWN TO MAIN BELOW FIRST FLOOR AND DEMOLISHED AT 2ND FLOOR AND ABOVE
6. ROUTE 3" WASTE LINE TO HORIZONTAL SANITARY BELOW FIRST FLOOR
7. 4" SS LINE LOCATED BELOW FIRST FLOOR

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JASON W. HOLLAWAY
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11/9/2019
No. 109448
COMMERCE
STATE OF TENNESSEE

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TYPICAL ENLARGED ADA PLANS

P1.3

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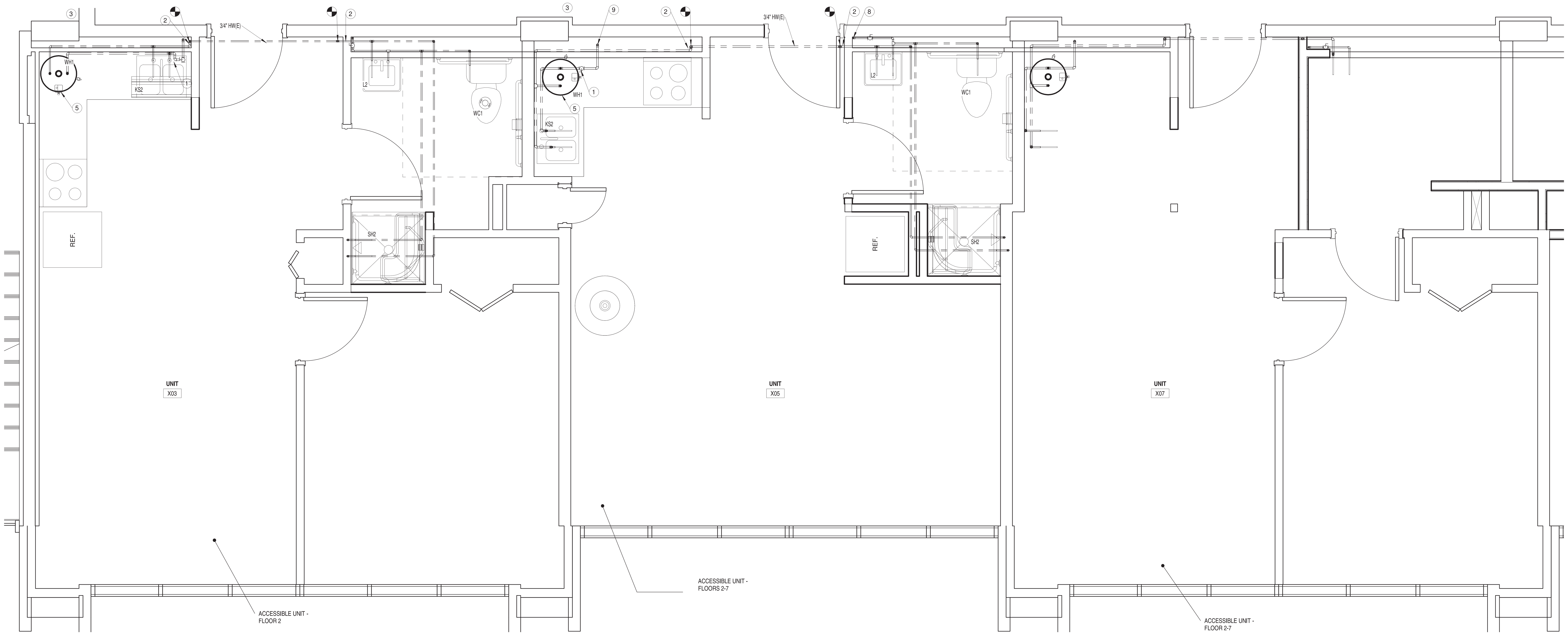
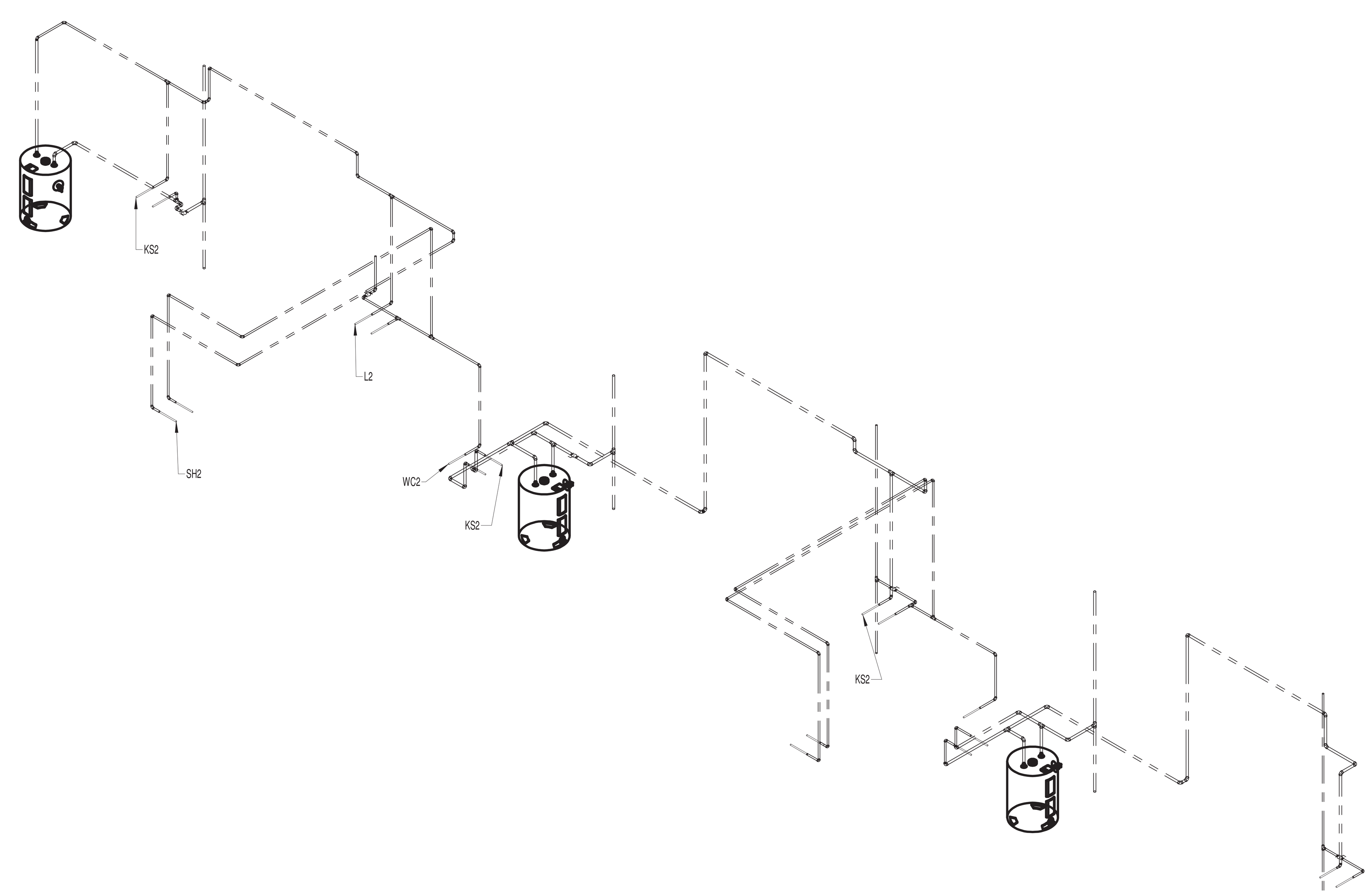
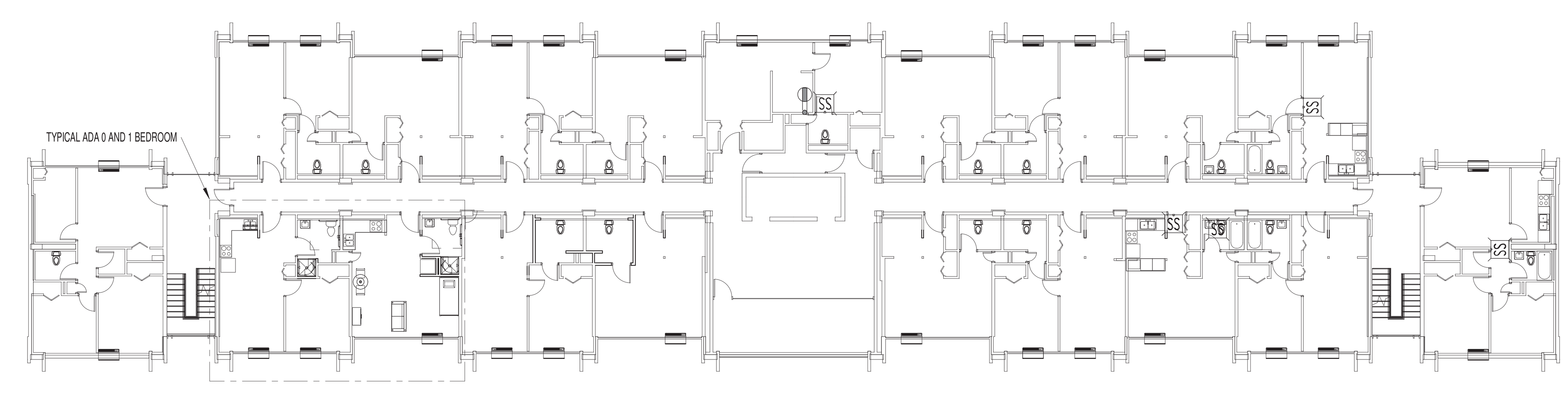


1 TYPICAL ADA BEDROOM TYPE 1 DOMESTIC WATER
1/2" = 1'-0"



2 PLUMBING 3D DOMESTIC WATER



3 KEYPLAN VIEW ADA Copy 1
1/16" = 1'-0"

GENERAL NOTES

1. ALL EXPOSED PIPING IN CABINET TO BE DEMOLISHED. RETAIN SUFFICIENT PIPING FROM BEHIND WALL FOR CONNECCTION TO NEW PIPING AS SHOWN

2. COORDINATE WITH NEW CABINETS TO PROVIDE REQUIRED OPENINGS IN CABINETS FOR CONNECTIONS TO EXISTING PIPE.

3. EXISTING PIPE PENETRATIONS FROM CHASE MAY DIFFER FROM WHERE SHOWN ON PLAN. CONTRACTOR TO MAKE ADJUSTMENTS TO PIPE LAYOUT AS REQUIRED TO MINIMIZE OR ELIMINATE ANY WORK INSIDE EXISTING CHASE NOT SCHEDULED TO BE DEMOLISHED

4. NOT ALL EXISTING PIPING SHIOWN ON PLANS

5. FIELD VERIFY LOCATION OF EXISTING PIPING PRIOR TO FABRICATION AND CUTTING OF NEW PIPING

KEY NOTES:

1. CONNECT NEW 3/4" CW TO NEWDOMESTIC CW RISER IN CHASE. INSTALL 3/4" SHUT-OFF VALVE IN LINE PRIOR TO ANY FIXTURE CONNECTIONS
2. CONNECT NEW 3/4" HW TO EXISTING HW LINE IN CHASE
3. LOCATE TO RISER TO BEHIND EXISTING CHASE ACCESS HATCH
4. CONNECT KS1 BRANCH DRAIN TO NEW WASTE STACK IN CHASE
5. NEW WH1, INSTALLED WITH FLEXIBLE HOSE CONNECTIONS AND INSIDE 2" DRAIN PAN. CONNECT TO CW, HW, AND EXISTING T&P RELIEF DRAIN LINE IN CHASE
6. EXISTING RISERS WITH NEW PIPING
7. EXISTING RISER FOR BATHROOMS TO REMAIN BUT DEMOLISH PIPING
8. NEW WATER RISER SIZED FOR BOTH ROOM WITH FLUSH VALVE FIXTURES. CONNECT TO NEAREST OF EQUAL OR GREATER SIZE
9. NEW WATER RISER AND CONNECTION

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11/07/2019

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TYPICAL ENLARGED ADA PLAN

P1.4

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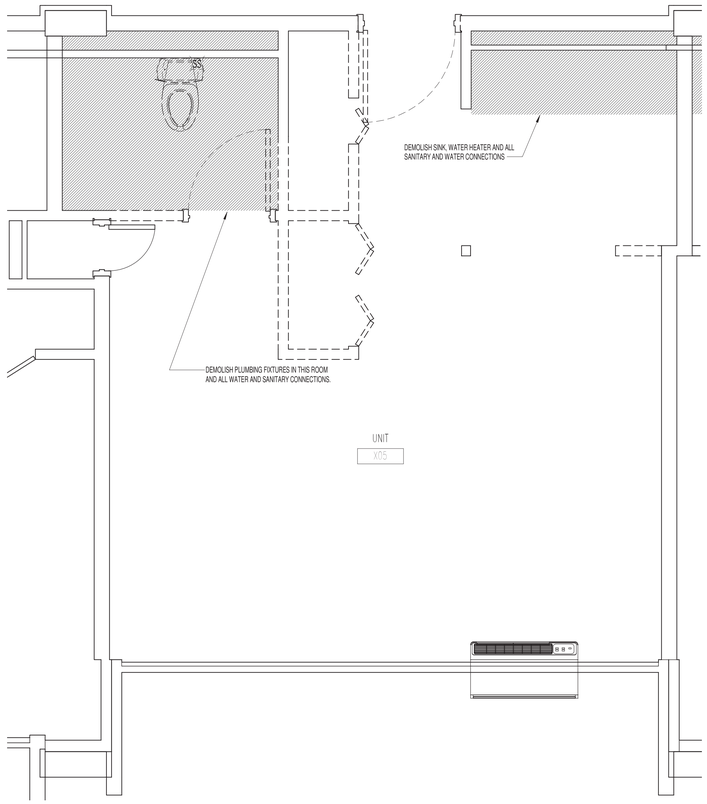
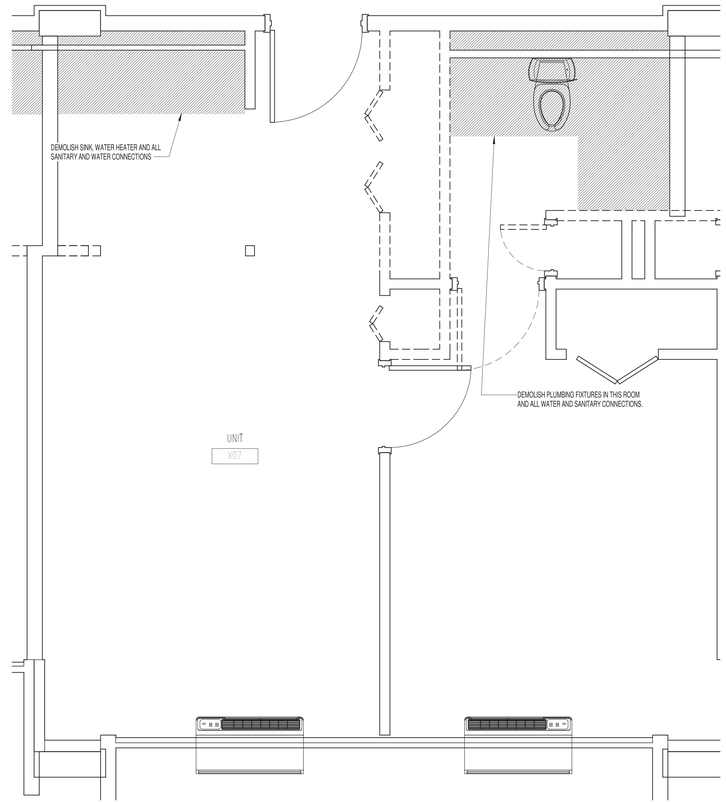


2 TYPICAL ADA DEMO PLAN 0 BEDROOM FLOOR 2 UNIT
1/2" = 1'-0"



1 TYPICAL ADA DEMO PLAN 0 BEDROOM FLOOR 2-7
1/2" = 1'-0"

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JASON W. HOLLWAY — REGISTERED ENGINEER — AGRICULTURE — 11/9/2019 — No. 109448 — STATE OF TENNESSEE

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TYPICAL ADA DEMO PLANS

PD1.0

Preliminary Sprinkler Calculation Sheet #1

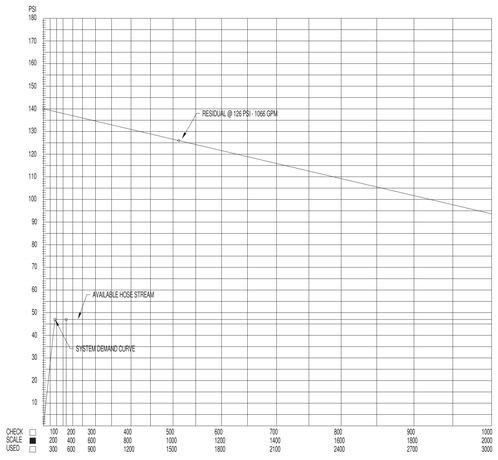
Flow test Data	FIRE PUMP DISCHARGE	
Static Pressure:	140	psi
Residual Pressure:	120	psi
Flow (GPM) :	1066	gpm
Date taken:	10/11/2018	
Time:	11:36	
Test taken by:		
Elevation of Hydrant:	---	
GPM Demand of BLDG.		
Most remote area or highest demand (Room Name)	LIGHT HAZARD	
Design Density (NFPA 13 or supplied by Insurance Co.)	0.1	
Design Area (Square footage)	1500	sq. ft.
Overage Factor (1.20 typ.)	1.2	
Remote area GPM demand(Density x Area x Overage)	180	gpm
Standpipe GPM demand (If required)(500 gpm for the first, 250 after)	0	gpm
Hose GPM demand (100 Light, 250 ordinary, 500 extra hazard)	100	gpm
Total GPM (Remote Area + Standpipe + Hose)	280	gpm
Available Pressure		
Density	0.1	
Max Sprinkler Head coverage (As per NPFA 13 table 8.6.2.2(a-d))	225	sq. ft.
Square footage spacing x Density = GPM sprinkler head (Q)	22.5	gpm
K-Factor of Sprinkler head (K)	5.6	(K)
Equation: Pressure required at head=(Q / K)2	16.14317602	psi
Elevation difference from test hydrant to base of riser x .433	0	ft
Elevation difference from base of riser to remote area x .433	76	ft
Backflow Preventer pressure drop	12	psi
Safety Factor (5 psi min.) (SF)	5	psi
Fixed Pressure drop =	66.05117602	psi
Estimated Friction Drop Thru Fire Line		
Length of run from test hydrant to riser (HR)	0	Lin. Ft.
Pipe C Factor (Ductile Iron C-100)	100	
Nominal Pipe Inside Diameter (8", 6", 4")	6	
	152188.1342	
	30874262.29	
Friction loss in pipe (psi/ft) (Based on Hazen William Equation)(HW1)	0.004929288	psi/ft
HR x 1.30 x HW1 =	0	Est. psi/sqft
Length of run from riser to last sprinkler head (estimated.) (RS)	500	Lin. Ft.
Base of Riser to farthest sprinkler	76	
Pipe C Factor (Black Steel C-120)	120	
Nominal Pipe Inside Diameter (6", 4")	4	
	67203.6048	
	6005061.547	
Friction loss in pipe (psi/ft) (Based on Hazen William Equation)(HW2)	0.01119116	psi/ft
RS x 1.30 x HW2 =	7.274254024	Est. psi/sqft
Estimated Required Flow Data for Building	7.274254024	
Required GPM	280	gpm
Required psi	73.32543004	psi

FIRE SPRINKLER SYSTEM NOTES:

1. FIRE SPRINKLER CONTRACTOR SHALL PROVIDE A FIRE SPRINKLER SYSTEM DESIGN COMPLIANT WITH ALL APPLICABLE PROVISIONS OF NFPA 13 2016 ADDITION.
2. THESE DRAWINGS ARE SCHEMATIC FOR DESIGN INTENT ONLY AND THE DESIGN-BUILD CONTRACTOR IS RESPONSIBLE FOR A COMPLETE AND FUNCTIONAL SYSTEM WITH ANY NECESSARY APPURTENANCES.
3. FIRE SPRINKLER SHOP DRAWINGS (2 SETS OF WORKING PLANS, PRODUCT DATA AND HYDRAULIC CALCULATIONS) ARE TO BE SUBMITTED FOR REVIEW AFTER THE ENGINEER OF RECORD IS SATISFIED THAT THE SHOP DRAWINGS SATISFY THE REQUIREMENTS OF THE NFPA 13 AND THE PROJECT DOCUMENTS. THE ENGINEER OF RECORD SHALL CITE SUCH APPROVAL ON THE SHOP DRAWINGS
4. ALL DETAIL DESIGN DRAWINGS AND CALCULATIONS SHALL BE SEALED BY A SPRINKLER SYSTEM ENGINEER OR R.M.E. LICENSED IN THE STATE OF TENNESSEE.
5. THE SPACES ARE CLASSIFIED AS "LIGHT HAZARD" THROUGHOUT SYSTEM. DESIGN CALCULATIONS SHALL INCLUDE SPRINKLERS TO PROVIDE A DESIGN DENSITY OF 0.10 GPM/SQ. FT. FOR THESE OCCUPANCIES. ALL MECHANICAL ROOMS AND JANITOR CLOSETS SHALL HAVE A DESIGN DENSITY OF 0.15 GPM/SQ. FT.
6. ALL SYSTEM VALVES AND GAUGES SHALL BE ACCESSIBLE FOR OPERATION, INSPECTION, TEST, AND MAINTENANCE.
7. COORDINATE LOCATION OF SPRINKLER WITH ALL OTHER DISCIPLINES. SPRINKLER HEADS SHALL BE CENTER OR QUARTERED IN CEILING TILE UNLESS NOTED OTHERWISE. ALL SPRINKLERS IN GRID CEILING TO BE ON RETURN BENDS OR UTILIZE FLEXIBLE SPRINKLER DROP (VICTAULIC AH2CC OR APPROVED EQUAL).
8. CONTRACTOR SHALL SUPPLY FLEXIBLE PIPE COUPLINGS ON ALL PIPES 2" OR LARGER AT ALL FLEXIBLE JOINTS PER NFPA 13. FLEXIBLE COUPLINGS SHALL ALSO BE PROVIDED WITHIN 1' OF BOTH SIDES OF STRUCTURAL ELEMENTS THAT PIPING PASSES THROUGH.
9. ALL PIPING SHALL HAVE HANGERS INSTALLED PER NFPA 13.
10. PENETRATION OF FIRE AND SMOKE BARRIERS/PARTITIONS SHALL BE ADEQUATELY SEALED/PROTECTED.

SPRINKLER REFERENCE NOTES:

1. ALL PLACES WHERE EXISTING HEADS WERE REMOVED DURING NEW CONSTRUCTION, SPRINKLER PIPING SHALL BE CAPPED BEHIND SURFACE AND/OR CEILING.
2. FIELD LOCATE EXISTING PIPE AND CONNECT NEW HEADS. PROVIDE NEW PIPE WHERE NEEDED.
3. CONTRACTOR RESPONSIBLE FOR HYDROSTATICALLY TESTING SYSTEM AT 200psi FOR 2 HOURS AFTER SYSTEM IS COMPLETE.
4. AS PER NFPA 8.7.4.1.1.2 - HORIZONTAL SIDEWALL SPRINKLERS SHALL BE PERMITTED TO BE LOCATED IN A ZONE 6 IN. TO 12 IN. OR 12 IN. TO 18 IN. BELOW NON-COMBUSTIBLE AND LIMITED COMBUSTIBLE CEILINGS.
5. EXISTING HEADS SHALL BE ALLOWED TO REMAIN WHERE APPLICABLE AND PROVIDE PROPER COVERAGE IN COMPLIANCE WITH NFPA 13.



THE FIRE PROTECTION SYSTEM IS EXISTING. THE INTENT OF THIS DRAWING IS TO SHOW A NEW HEAD LAYOUT. THE MOST HYDRAULICALLY DEMANDING AREA IS NOT CHANGING NOR IS THE HAZARD CLASSIFICATION.

THE ROOMS WITHOUT HEADS SHOWN ARE EXISTING ROOMS AND ARE ALREADY COVERED BY EXISTING HEADS.

SPRINKLER HEAD LEGEND

SYMBOL	TYPE	TEMP	K	MAX PRESSURE	MANUFACTURE	MODEL	SERIES	COMMENTS
	PENDENT	160°	4.2	175	TYCO	TY2596	LFII	CONCEALED, FLAT PLATE
	PENDENT	155°	4.9	175	TYCO	TY2234	LFII	RESIDENTIAL
	WALL	155°	4.2	175	TYCO	TY1334	LFII	RESIDENTIAL

* PROVIDE ALL BRACING, SUPPORTS AND HANGERS PER NFPA 13 - 2016 EDITION
* "WG" DENOTES WIRE GUARD
* COORDINATE SPRINKLER HEAD FINISH WITH ARCHITECT

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JASON W. HOLLAND — REGISTERED ENGINEER — AGRICULTURE — 11/07/2019 — CERTIFICATE NO. 109448 — STATE OF TENNESSEE

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FIRE PROTECTION NOTES

FP0.1

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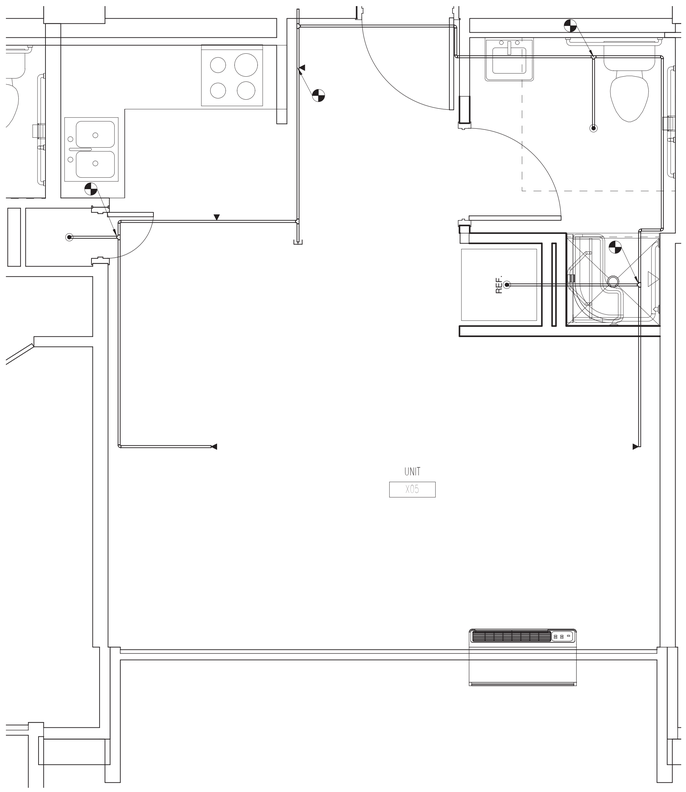
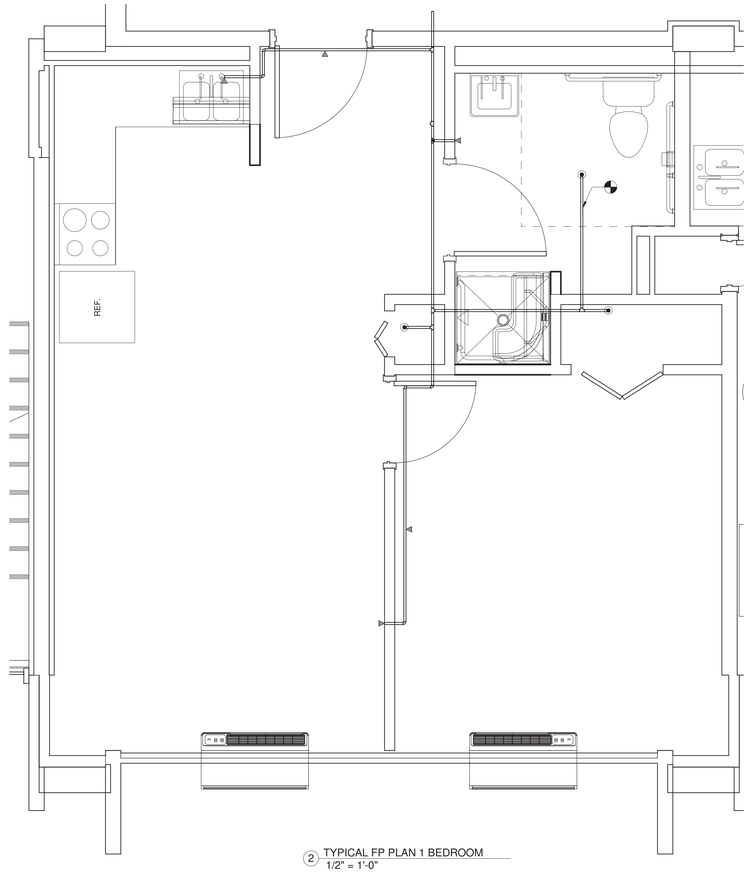


1 TYPICAL FP PLAN 0 BEDROOM
1/2" = 1'-0"



2 TYPICAL FP PLAN 1 BEDROOM
1/2" = 1'-0"

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TYPICAL FIRE PROTECTION PLAN

FP1.0

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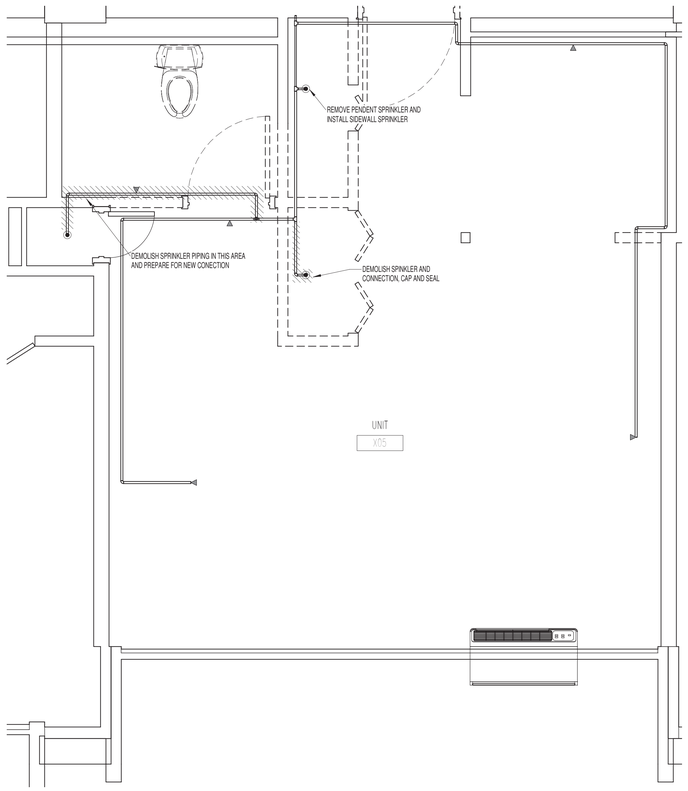
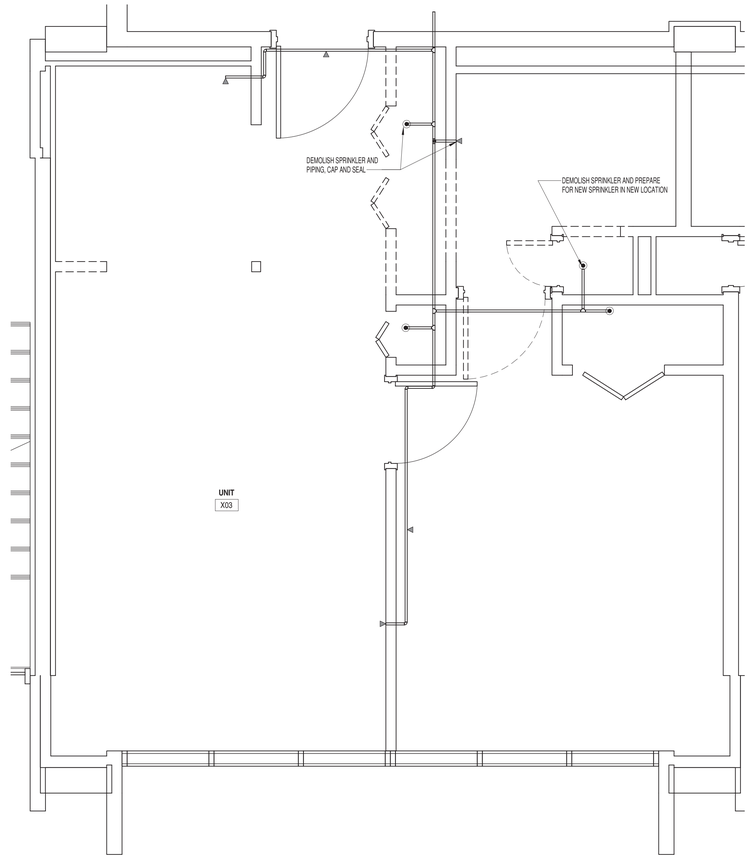


1 TYPICAL FP DEMO PLAN 0 BEDROOM
1/2" = 1'-0"



2 TYPICAL FP DEMO PLAN 1 BEDROOM
1/2" = 1'-0"

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DEMO PLAN

FPD1.0

EXHAUST FAN SCHEDULE

DRAWING SYMBOL	AMCA CFM	S.P. IN WATER	RPM	HP	TYPE	CONTROL	VOLTAGE	SONES	WEIGHT LBS.	MANUFACTURER & MODEL NO.	NOTES
EF 1	420	0.5	1511	1/10	ROOF MTD. CENTIFUGAL DOWNBLAST	-	115/1	7.1	26	GREENHECK G-089-VG	1,2,3

ACCESSORIES AND FEATURES:

1. PROVIDE BACKDRAFT DAMPER.
2. PROVIDE FACTORY MOUNTED SPEED CONTROL.
3. PROVIDE MANUFACTURER'S ROOF MOUNTING CURB.

* ALTERNATE MANUFACTURERS: FANTECH, LOREN COOK

AIR DISTRIBUTION SCHEDULE

EG-1	LOUVERED EXHAUST GRILLE	* SINGLE DEFLECTION * FIXED FRONT HORIZONTAL FRONT BARS	STEEL WITH BAKED ENAMEL FINISH.	PRICE 530D	* NC < 35 * MAX FACE VELOCITY <500 FPM

* SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR MOUNTING TYPE REQUIRED. PROVIDE PLASTER FRAME FOR ALL AIR DEVICES LOCATED IN GYP. BOARD CEILINGS.
* VERIFY THE MOUNTING OF ALL CEILING AIR DISTRIBUTION DEVICES COMPLY WITH BUILDING STRUCTURE PRIOR TO PURCHASE.

ELECTRIC HEATER SCHEDULE

DRAWING SYMBOL	WATTS	CFM	CONTROL	AMPS	VOLTAGE	WEIGHT LBS.	MANUFACTURER & MODEL NUMBER
ECH 1	750	60	TIMER	-	120/1	11	STELPRO SK0751W

ACCESSORIES AND FEATURES:

* UNITS MUST BE UL-LISTED
* PROVIDE INTERNAL DISCONNECT SWITCH.
* PROVIDE 60 MIN. WALL MOUNTED TIMER.
* PROVIDE MANUFACTURER'S INSTALLATION KIT FOR SURFACE MOUNT OPTION.
* ALTERNATE MANUFACTURERS: QMARK, BERKO, MARKEL

HVAC LEGEND & SYMBOLS

	A. RECTANGULAR DUCT: * MANUAL OPPOSED BLADE DAMPER WITH LOCKING QUADRANT. LEVER OPERATOR, OF STEEL CONSTRUCTION. * LOUVERS & DAMPERS MODEL CD-400; KRUEGER MODEL 6BD-DM TYPE 2 OPERATION FOR LESS THAN 10" WIDE. B. ROUND DUCT: * ROUND BLADE CONTROL DAMPER OF STEEL CONSTRUCTION WITH MANUAL OPERATOR * LOUVERS AND DAMPERS MODEL CD-600.
	RECTANGULAR ELBOW WITH SINGLE THICKNESS TURNING VANES OF STEEL CONSTRUCTION.
45° W	CONSTRUCT ALL BRANCH CONNECTIONS WITH 45° FITTING PER SMACNA STANDARDS. DIMENSION: L = 1/4W, 4"MINIMUM
D	SHEET METAL CONNECTORS, INC. HIGH EFFICIENCY TAKEOFF WITH DAMPER AND LOCKING QUADRANT FOR ROUND DUCT TAKEOFFS FROM RECTANGULAR DUCTWORK. INCREASE MAIN DUCT SIZE AT FITTING TO ACCOMMODATE ITS INSTALLATION IF REQUIRED TO MEET SMACNA AND MANUFACTURER'S INSTRUCTIONS. DIMENSION: D = RUNOUT DIAMETER (6"-14")
	DUCT RISER
	DUCT DROP
	ROUND DUCT RISER
	ROUND DUCT DROP
	EXHAUST DUCT
	EXISTING DUCT
XX XX	INDICATES NEW HVAC EQUIPMENT
	DUCT TRANSITION
UC	INDICATES 3/4" UNDERCUT DOOR
	CONNECT TO EXISTING SYMBOL
T	WALL MOUNTED THERMOSTAT
	SIDEWALL EXHAUST GRILLE
FD	FIRE DAMPER
	EXHAUST GRILLE

GENERAL NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF H.V.A.C. COMPONENTS OR PURCHASE OF EQUIPMENT.
2. CONTRACTOR SHALL COORDINATE ALL OTHER TRADES WITH THE INSTALLATION OF H.V.A.C. SYSTEM.
3. H.V.A.C. LEGEND MAY CONTAIN SYMBOLS AND ABBREVIATIONS NOT USED ON THIS SPECIFIC PROJECT, LEGEND SHALL BE USED FOR REFERENCE PURPOSES.
4. CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE H.V.A.C. SYSTEM AS IT RELATES TO DRAWINGS AND SPECIFICATIONS.
5. CONTRACTOR IS REQUIRED TO REVIEW ARCHITECTURAL PLANS FOR RATED ASSEMBLIES. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF FIRE AND/OR SMOKE DAMPERS IN ACCORDANCE WITH THE SPECIFICATIONS AND APPLICABLE BUILDING CODES.
6. "STANDARD" ACCESSORIES OR CONTROLS ON H.V.A.C. EQUIPMENT SHALL BE THOSE WHICH MANUFACTURER PROVIDES ON THE MAJORITY OF STOCK MERCHANDISE.
7. BRAND NAMES AND MODEL NUMBERS ARE PROVIDED TO ESTABLISH A LEVEL OF QUALITY AND PERFORMANCE. "EQUAL TO" ITEMS MAY BE SUBMITTED FOR CONSIDERATION BY THE ENGINEER AND OWNER.
8. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATE THE APPROXIMATE ROUTING OF PIPING AND DUCTWORK. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES. MINOR OFFSETS AND ADJUSTMENTS SHALL BE PROVIDED WHERE REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
9. COORDINATE NEW PTAC UNITS WITH EXISTING PTAC LOCATIONS.

HVAC NOTES:

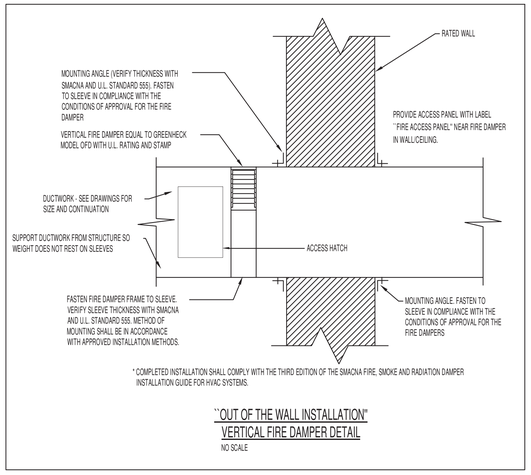
1. CONTRACTOR SHALL FIELD VERIFY ALL TERMINAL DEVICES TO AVOID INTERFERENCES.
2. CONDENSATE DRAIN PIPING SHALL BE FULL SIZE PER EQUIPMENT CONNECTION WITH PVC ROUTED TO INDIRECT CONNECTION WITHOUT CREATING AN OBSTRUCTION. ALL SUPPORTS FOR THE CONDENSATE DRAIN PIPING IS BY THE MECHANICAL / HVAC CONTRACTOR.
3. THE MECHANICAL SYSTEMS SHALL HAVE TESTING AND BALANCING PERFORMED BY THE CONTRACTOR RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEM(S). THE CONTRACTOR SHALL PREPARE AND SUBMIT A COMPLETE REPORT IDENTIFYING ALL MAJOR PIECES OF HVAC EQUIPMENT AND AIR DISTRIBUTION DEVICES WITH PERFORMANCES AND FINAL AIR BALANCE OF EACH. SUBMITTAL SHALL BE PRESENTED TO THE ENGINEER AND BUILDING OWNER OR TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL. KITCHEN HOOD AND FANS TO BE BALANCED BY ITS SUPPLIER. BOTH PROCEDURES ARE TO BE DONE AT THE SAME TIME AND TO BE COORDINATED TO ATTAIN DESIGN RESULTS.
4. PROVIDE MINIMUM 10 FEET SEPARATION BETWEEN OUTSIDE AIR INTAKES AND EXHAUST VENTS, PLUMBING VENTS, ETC.

PENETRATIONS:

1. SLEEVES SHALL BE INSTALLED WHERE DUCTS, LOUVERS, OR PIPING PENETRATE NON-RATED EXTERIOR WALLS, PARTITIONS, FLOORS, OR ROOF. PACK AROUND SLEEVES AND SEAL WEATHER TIGHT. INSTALL FLASHING AS REQUIRED. SLEEVES SHALL BE MINIMUM 16 GAUGE GALVANIZED STEEL AND SHALL BE FIRMLY SET IN BUILDING STRUCTURE.

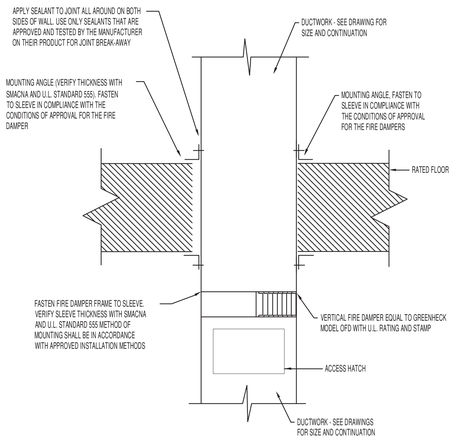
SUBMITTALS AND ACCEPTANCE:

1. UNLESS OTHERWISE INSTRUCTED, THE CONTRACTOR SHALL SUBMIT THREE (3) SETS OF HVAC SHOP DRAWINGS TO THE PROJECT MANAGER WHO SHALL THEN RELAY THEM TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE PURCHASE OF EQUIPMENT.
2. OPERATION AND MAINTENANCE MANUALS FOR ALL MECHANICAL EQUIPMENT SHALL BE COMPILED INTO A THREE RING BINDER AND TURNED OVER TO BUILDING OWNER UPON PROJECT COMPLETION.



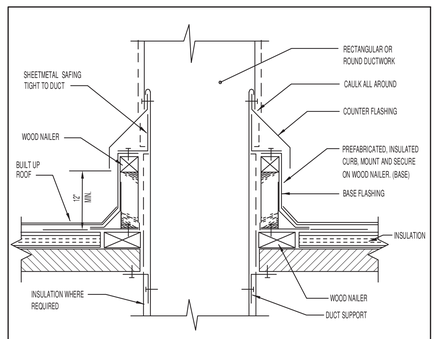
* COMPLETED INSTALLATION SHALL COMPLY WITH THE THIRD EDITION OF THE SMACNA FIRE, SMOKE AND RADIATION DAMPER INSTALLATION GUIDE FOR HVAC SYSTEMS.

``OUT OF THE WALL INSTALLATION''
VERTICAL FIRE DAMPER DETAIL
NO SCALE

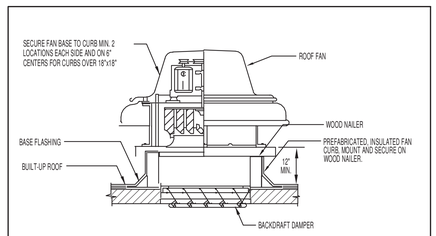


* COMPLETED INSTALLATION SHALL COMPLY WITH THE THIRD EDITION OF THE SMACNA FIRE, SMOKE AND RADIATION DAMPER INSTALLATION GUIDE FOR HVAC SYSTEMS.

``OUT OF THE FLOOR INSTALLATION''
HORIZONTAL FIRE DAMPER DETAIL
NO SCALE



DUCT PENETRATION THRU ROOF
NO SCALE



ROOF FAN MOUNTING DETAIL
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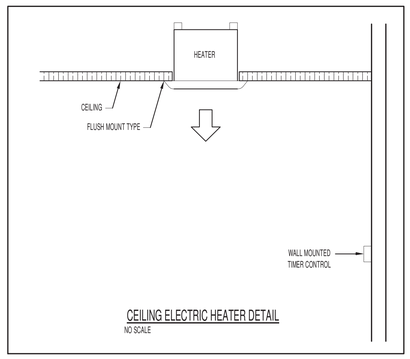

CEILING ELECTRIC HEATER DETAIL
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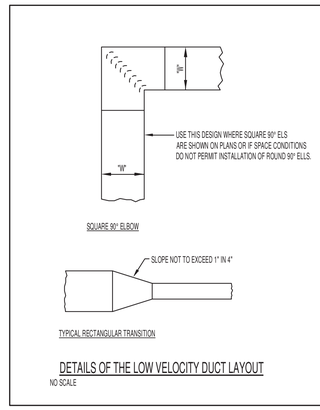

DETAILS OF THE LOW VELOCITY DUCT LAYOUT
NO SCALE

STUDIO FOUR DESIGN INC.
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JASON W. HOLMAN — REGISTERED ENGINEER — AGRICULTURE — 11/7/2019 — No. 109448 — STATE OF TENNESSEE

Project Phase: Construction Documents

Issue Date: 10/29/19		
Revisions		
No.	Descripton	Date

Job Number: 19089.00

HVAC NOTES, LEGEND, SCHEDULES AND DETAILS

M0.1

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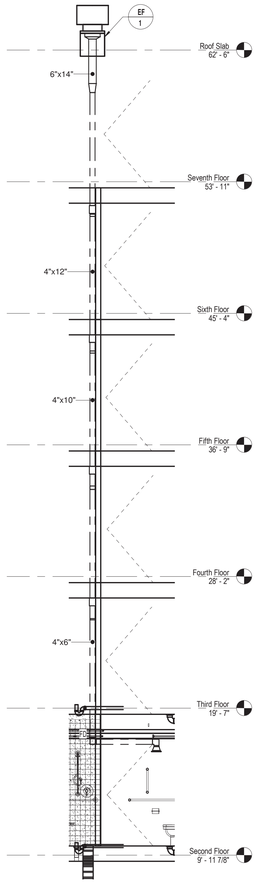
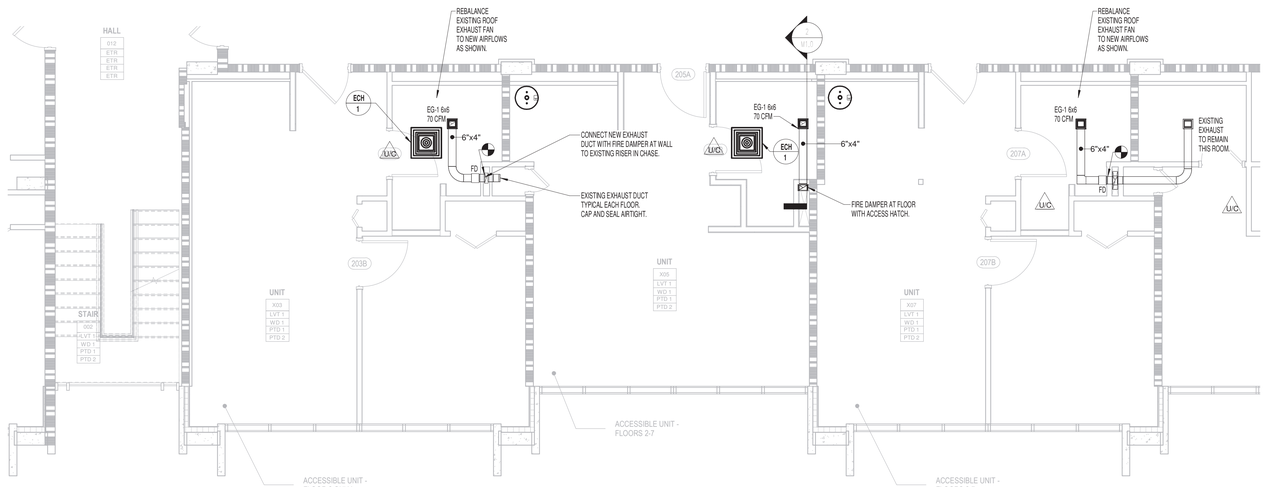
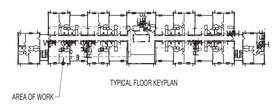


2 EXHAUST STACK 1
1/4" = 1'-0"



1 TYPICAL ENLARGED HVAC PLAN - ADA BEDROOM TYPE 0 & 1
1/4" = 1'-0"



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Project Phase: Construction Documents

Issue Date: 10/31/19		
Revisions		
No.	**Descripton**	**Date**

Job Number: 19089.00

TYPICAL ENLARGED HVAC PLAN - ADA BEDROOM TYPE 0 & 1

M1.0

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LEGEND

SYMBOL:	DESCRIPTION:
▬ ▬	PANELBOARD, MOUNT TOP 6'-0" AFF, REFER TO PANELBOARD SCHEDULES FOR REQUIREMENTS. SIDE WITH DESIGNATION IS FRONT UNLESS OTHERWISE NOTED.
▨ ▨	EXISTING PANELBOARD
"TTB"	EXISTING TTB TO REMAIN
A-1	HOME RUN TO PANEL WITH CIRCUIT SHOWN, CROSS MARKS INDICATE NUMBER OF CURRENT CARRYING CONDUCTORS WHERE MORE THAN TWO, NOT INCLUDING GROUND, MINIMUM #12 AWG.
	OVERHEAD WIRING
	UNDERGROUND WIRING
A b, b A	FLUORESCENT OR LED LIGHTING FIXTURE; "A" INDICATES TYPE, REFER TO LIGHTING FIXTURE SCHEDULE. "b" CORRESPONDS TO CONTROLLING SWITCH.
b A	HID, INCANDESCENT, LED, OR COMPACT FLUORESCENT LIGHTING FIXTURE; "A" INDICATES TYPE, REFER TO LIGHTING FIXTURE SCHEDULE. "b" CORRESPONDS TO CONTROLLING SWITCH.
S_a	LIGHT SWITCH, TOGGLE, 20 AMP. 277V, MTD 48" AFF, UNO. "a" CORRESPONDS TO FIXTURES CONTROLLED BY SWITCH.
S_3	3-WAY LIGHT SWITCH, 20 AMP, 277V, MTD 48" AFF, UNO.
OS	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL MOUNTED, WATTSTOPPER DW-100 OR EQUAL, INSTALL 48" AFF
J	JUNCTION BOX, SIZE AND USE AS REQUIRED
	20A, 125V, 2 POLE, 3 WIRE, GROUNDING DUPLEX RECEPTACLE MTD. 42" AFF, UNO. TAMPER RESISTANT TYPE IN DWELLING UNITS.
	20A, 125V, 2 POLE, 3 WIRE, GROUNDING DUPLEX RECEPTACLE, MTD 18" AFF, UNO. "U" INDICATES DEVICE WITH USB CHARGING PORT. TAMPER RESISTANT TYPE IN DWELLING UNITS.
	20A, 125V, 2 POLE, 3 WIRE, GROUNDING QUAD RECEPTACLE, TWO GANG BOX, MTD 42" AFF, UNO. TAMPER RESISTANT TYPE IN DWELLING UNITS.
	20A, 125V, 2 POLE, 3 WIRE, GROUNDING QUAD RECEPTACLE, TWO GANG BOX, MTD 18" AFF, UNO. TAMPER RESISTANT TYPE IN DWELLING UNITS.
▼	50A, 250V, 3 POLE, 3-WIRE GROUNDING, SINGLE RECEPTACLE, NEMA 10-50R.
▽	20A, 250V, 2 POLE, 3-WIRE GROUNDING, SINGLE RECEPTACLE, NEMA 6-20R.
☒	EXHAUST FAN, PROVIDE 120 VOLT CONNECTION PER NEC.
☒	HEAVY DUTY FUSED DISCONNECT SWITCH, PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT MFGR. USE NEMA CONFIGURATION AS REQUIRED
M	ELECTRIC MOTOR
TV	TELEVISION OUTLET. PROVIDE 3/4" CONDUIT FROM BOX TO TTB IN FIRST SOCIAL HALL CLOSET IN BLDG A. PROVIDE BUSHING ON OPEN END OF CONDUIT. MTD AT 7'-6" AFF. EXTEND 1 RG-6 BACK TO TTB.
◁	EXISTING PHONE OUTLET.
SA	SINGLE STATION ALARM COMBINATION SMOKE/CARBON MONOXIDE DETECTOR WALL OR CEILING MOUNTED AS INDICATED ON PLANS, CONNECT TO 120V, MOUNT TOP OF DETECTOR 6" BELOW CEILING WHERE WALL MOUNTED. INTERLOCK ALL DETECTORS IN UNITS. KIDDE MODEL NO. KN-COPE-1 OR EQUAL.
H	CEILING HEATER
PC	WIRELESS EMERGENCY CALL SYSTEM PULLCORD. PROVIDE SINGLE GANG PLASTIC BOX AND MOUNT PULLCORD AT HEIGHT TO WHERE CORD HANGS WITHIN 3" OF FLOOR. RCARE BP-7RWR OR EQUAL. PROVIDE BATTERIES AS NECESSARY.
LOC WP	WIRELESS EMERGENCY CALL SYSTEM LOCATOR. MOUNTED UP HIGH ON WALL JUST CLEAR OF CEILING. PROVIDE MOUNTING BRACKET AND POWER SUPPLY. RCARE LT-490-G4 OR EQUAL. "WP" INDICATES LOCATOR TO BE MOUNTED IN WEATHERPROOF ENCLOSURE WITH BUILT-IN DUPLEX RECEPTACLE, HEATING PLATE, AND COOLING FAN. RCARE WPE OR EQUAL.
IP	WIRELESS EMERGENCY CALL SYSTEM HUB WITH BUILT-IN MASTER RECEIVER. PROVIDE SHELF AND MOUNT ABOVE EMERGENCY CALL SYSTEM MONITOR. RCARE RCUBE OR EQUAL.
REP	WIRELESS EMERGENCY CALL SYSTEM REPEATER. MOUNTED UP HIGH ON WALL JUST CLEAR OF CEILING. PROVIDE MOUNTING BRACKET AND POWER SUPPLY. RCARE RP-990-G4 OR EQUAL.
MON	WIRELESS EMERGENCY CALL SYSTEM CONSOLE WITH TOUCHSCREEN. PROVIDE VESA WALL MOUNT BRACKET AND MOUNT AT HEIGHT CONFIRMED BY OWNER. RCARE CC980 OR EQUAL.
GRA	GENERATOR REMOTE ANNUNCIATOR.
FLM	FUEL LEVEL MONITORING CONSOLE FOR GENSET BURIED TANK. VEEDER-ROOT TLS-450 PLUS OR SIMILAR.

GENERAL ELECTRICAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE JOB SITE AND CAREFULLY EXAMINE THOSE PORTIONS OF THE SITE AFFECTED BY THIS WORK SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS THAT WILL AFFECT EXECUTION OF THE WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING ALL UTILITY CO. AID TO CONSTRUCTION FEES.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT/APPLICABLE NATIONAL ELECTRICAL CODE, NFPA 70, LOCAL CODES/ORDINANCES AND THE APPLICABLE ACCESSIBILITY CODE. SHOULD PLANS AND CODES CONFLICT, THE CODE TAKES PRECEDENCE. MAKE NO CHANGES, EVEN IN THE CASE OF CONFLICT, WITHOUT FIRST OBTAINING APPROVAL OF THE ARCHITECT/ENGINEER.
4. "PROVIDE" AS USED HERE AND ON THE DRAWINGS, IS AN ALL-INCLUSIVE TERM REQUIRING CONTRACTOR TO FURNISH, INSTALL, WIRE, AND CONNECT ALL SPECIFIED EQUIPMENT AS WELL AS COMPONENTS, ACCESSORIES, AND MOUNTING HARDWARE TO ENSURE THAT SPECIFIED EQUIPMENT FUNCTIONS TO MEET SYSTEM REQUIREMENTS.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT OTHER FACILITIES AND EQUIPMENT FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE FOR REPAIR OR REPLACEMENT OF FACILITIES, EQUIPMENT, OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE COMPLETION OF THIS WORK. ELECTRICAL CONTRACTOR SHALL GIVE ADEQUATE NOTIFICATION TO TENNESSEE ONE CALL, (800) 351-1111, PRIOR TO COMMENCEMENT OF ANY EXCAVATION.
6. PROVIDE SPECIFIED EQUIPMENT, AS NOTED ON DRAWINGS, OR APPROVED EQUAL. ADDITIONAL EQUIPMENT AND MATERIAL MAY BE REQUIRED OTHER THAN THAT SHOWN ON DRAWINGS TO INSTALL THE SPECIFIED EQUIPMENT SUCH AS HANGERS, SUPPORTS, ETC. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED.
7. THE CONTRACTOR SHALL VERIFY THAT THE ACTUAL EQUIPMENT SUPPLIED HAS THE SAME ELECTRICAL SPECIFICATIONS AS THE EQUIPMENT USED AS THE BASIS OF DESIGN. IF THE EQUIPMENT IS DIFFERENT, THE CONTRACTOR SHALL MAKE ADJUSTMENTS TO THE PANELS AND CIRCUITS AND INCLUDE THEM IN SUBMITTALS.
8. ALL ITEMS SHALL BE NEW. USED EQUIPMENT AND MATERIALS WILL NOT BE ALLOWED UNLESS SPECIFICALLY NOTED TO BE EXISTING OR RELOCATED ON RESPECTIVE PROJECT SITE.
9. ALL MATERIALS SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORY, INC.
10. DESIGN IS BASED ON AN EXISTING 208Y/120 VOLT, THREE PHASE, FOUR WIRE, SOLIDLY GROUNDED WYE SERVICE.
11. UNLESS OTHERWISE INSTRUCTED, THE CONTRACTOR SHALL SUBMIT A DIGITAL (PDF) COPY OF ELECTRICAL SHOP DRAWINGS TO THE PROJECT MANAGER WHO SHALL RELAY THEM TO THE DESIGN ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE PURCHASE OF EQUIPMENT. THE SUBMITTAL SHALL INCLUDE LIGHTING FIXTURES, SWITCHGEAR, GENERATOR AND FIRE ALARM EQUIPMENT, WHEN INCLUDED IN THE PROJECT. OPERATION AND MAINTENANCE MANUALS FOR ALL ELECTRICAL EQUIPMENT SHALL BE COMPILED AND SUBMITTED IN DIGITAL (PDF) TO THE BUILDING OWNER UPON PROJECT COMPLETION.
12. ALL WIRES SHALL BE TERMINATED AND LABELED. ALL JUNCTION BOXES SHALL BE LABELED TO INDICATED THE CIRCUITS CONTAINED IN THE BOX.
13. PANELBOARD LEGENDS SHALL BE TYPED. LABEL ALL PANELBOARDS/SWITCHGEAR INDICATING LOCATION OF BREAKER SERVING PANEL IN ACCORDANCE WITH N.E.C.
14. ALL FEEDERS #4 AND LARGER SHALL BE MEGGER TESTED AFTER INSTALLATION.
15. UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE COPPER AND #12 AWG MINIMUM WITH THHN/THWN, 600 VOLT INSULATION.
16. PROVIDE A DEDICATED NEUTRAL, COLOR CODED, FOR EACH UNGROUNDED CONDUCTOR. SHARING OF NEUTRALS IS PROHIBITED.
17. DO NOT INSTALL MORE THAN THREE CIRCUITS (SIX CURRENT CARRYING CONDUCTORS) IN A CONDUIT.
18. THE MINIMUM CONDUIT SIZE SHALL BE 1/2". INTERIOR CONDUITS SHALL BE EMT; UNDERGROUND CONDUIT AND CONCRETE ENCASED CONDUIT SHALL BE SCHEDULE 40 PVC. EXTERIOR EXPOSED CONDUIT SHALL BE SCHEDULE 80 PVC., UNLESS NOTED OTHERWISE.
19. MC CABLE MAY BE USED FOR CONCEALED BRANCH CIRCUIT WIRING IN INTERIOR DRY LOCATIONS.
20. A GREEN, COPPER GROUND WIRE SHALL BE INSTALLED IN ALL CONDUIT SYSTEMS AND SHALL BE BONDED TO ALL ENCLOSURES, BOXES, AND EQUIPMENT.
21. BONDING JUMPERS SHALL BE USED TO BOND CONDUIT TO ENCLOSURES, BOXES, AND EQUIPMENT WHERE KNOCKOUTS ARE USED.
22. ALL DIMENSIONS ARE MEASURED TO THE CENTER OF THE DEVICE.
23. THE CONTRACTOR SHALL PROVIDE FIRESTOPPING OF ALL RATED PENETRATIONS PER DETAILS. ELECTRICAL BOXES INSTALLED ON OPPOSITE SIDES OF A FIRE RATED WALL SHALL HAVE A TWO FOOT MINIMUM HORIZONTAL SEPARATION.
24. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY POWER AND LIGHT. EQUIVALENT TO ONE 150-WATT INCANDESCENT LAMP PER 200 SQ. FT.
25. THE CONTRACTOR SHALL GUARANTY ALL WORK TO BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIALS FOR ONE YEAR AFTER SUBSTANTIAL COMPLETION.

LIGHTING NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL LIGHT SWITCHES/CONTROLS FOR ALL LIGHTING AT LOCATIONS AS SHOWN ON THE DRAWINGS.
2. CONFIRM EXACT LIGHT FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN.
3. CONNECT ALL EXIT AND EMERGENCY LIGHTS TO UNSWITCHED LIGHTING CIRCUITS. UNITS SHALL OPERATE AUTOMATICALLY UPON LOSS OF POWER.
4. PRIOR TO ORDERING THE SPECIFIED LIGHT FIXTURES, THE CONTRACTOR SHALL VERIFY THE FIXTURE IS SUITABLE FOR THE CEILING TYPE. FOR EXAMPLE, A FIRE RATED FIXTURE SHALL BE INSTALLED IN A FIRE RATED ASSEMBLY. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER PRIOR TO PROCEEDING.
5. ALL LIGHT FIXTURES REMOVED SHALL BE TURNED OVER TO OWNER.

POWER NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL FUSED DISCONNECTS FOR ALL HVAC EQUIPMENT WITH FUSES AS PER MANUFACTURER RECOMMENDATIONS. AMPACITY, POLES, AND TYPE NEMA ENCLOSURE OF DISCONNECT SWITCHES AS REQUIRED. FURNISH AND INSTALL A WEATHERPROOF, GFCI DUPLEX RECEPTACLE OUTLET WITHIN 25 FEET OF EACH HVAC PIECE OF EQUIPMENT.
2. MOUNT ALL SWITCHES AND OTHER ELECTRICAL EQUIPMENT IN COMPLIANCE WITH APPLICABLE PROVISIONS OF THE APPLICABLE ACCESSIBILITY CODE.
3. ALL RESTROOM, EXTERIOR, COUNTER TOP, AND ROOF TOP HVAC SERVICE RECEPTACLES SHALL BE GFCI.
4. ALL EXTERIOR RECEPTACLES SHALL HAVE APPROVED WEATHERPROOF COVERS AS PER NEC 406.8 (B).
5. ALL DAMP AND WET LOCATION DEVICES SHALL BE WEATHER RESISTANT.

COMMUNICATIONS NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL ALL COMBINATION TELEPHONE AND DATA CONDUITS, BOXES, PLYWOOD TERMINAL BOARD, ETC.
2. PROVIDE APPROPRIATE NYLON PULLSTRING/ROPE IN ALL EMPTY CONDUITS.

DEMOLITION NOTES:

1. REMOVE ALL EXISTING DEVICES IN WALL AND CEILINGS BEING REMOVED AND PROPERLY ABANDON CONDUIT SYSTEM. REMOVE ALL EXISTING UNUSED OR ABANDONED CONDUIT, WIRING, JUNCTION BOXES, ETC. ABOVE CEILING.

FIRE ALARM SYSTEM NOTES:

1. EXPAND THE EXISTING FIRELITE ADDRESSABLE FIRE DETECTION AND EVACUATION SYSTEM AS DESCRIBED HEREIN AND AS SHOWN ON THE PLANS; TO BE WIRED, CONNECTED, TESTED, AND LEFT IN FIRST-CLASS OPERATING CONDITION. THE SYSTEM SHALL USE ADDRESSABLE INITIATING DEVICE CIRCUITS WITH REQUIRED SUPERVISION. ALL EQUIPMENT SHALL BE UL LISTED AND LABELED. THE ENTIRE INSTALLATION SHALL CONFORM TO THE APPLICABLE SECTIONS OF NFPA 72, NATIONAL FIRE ALARM CODE; NFPA 101, LIFE SAFETY CODE; NFPA 70, NATIONAL ELECTRICAL CODE; THE AMERICANS WITH DISABILITIES ACT; AND LOCAL AUTHORITIES HAVING JURISDICTION TO MEET THE COMPLETE FUNCTIONALITY REQUIREMENTS AS SET FORTH IN THESE SPECIFICATIONS.
2. COORDINATE AND INSTALL REQUIRED ANCILLARY ALARM FUNCTIONS WHERE SHOWN ON THE PLANS. EXAMPLES ARE MONITORING OF SPRINKLER SYSTEMS AND HVAC SHUTDOWN.
3. ADDRESSABLE FIRE ALARM CONTROL PANEL - EXISTING TO REMAIN, FIRELITE MS-9200UDLS.
4. PROVIDE BATTERY CALCULATIONS TO SHOW THAT THE PROPER QUANTITY OF BATTERIES ARE SUPPLIED THAT UPON LOSS OF 120 VAC POWER WILL PROVIDE A MINIMUM OF 24 HOURS OF NORMAL SUPERVISORY MODE FOLLOWED BY 5 MINUTES OF ALARM INDICATION.
5. PROVIDE SUBMITTALS CONTAINING COMPLETE DESCRIPTIVE DATA AND CADD DRAWING SHOWING CONDUIT LAYOUT, WIRE COUNT, AND DEVICE LOCATIONS.
6. SYSTEM SHALL BE FULLY TESTED BY A NICET CERTIFIED TECHNICIAN IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE AND BE WARRANTED FOR ONE YEAR.
7. ALL REQUIRED DOCUMENTATION REGARDING THE DESIGN OF FIRE DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS AND THE PROCEDURES FOR MAINTENANCE, INSPECTION, AND TESTING OF FIRE DETECTION, ALARM AND COMMUNICATIONS SYSTEMS SHALL BE MAINTAINED AT AN APPROVED, SECURED LOCATION FOR THE LIFE OF THE SYSTEM.
8. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE FIRE ALARM SYSTEM IS ACCEPTABLE TO THE LOCAL FIRE OFFICIAL HAVING JURISDICTION. ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR AN OPERATING AND FULLY FUNCTIONAL SYSTEM IS INCLUDED IN THIS CONTRACT.
9. THE FIRE ALARM CONTRACTOR MUST BE CERTIFIED IN ACCORDANCE WITH THE TENNESSEE ALARM CONTRACTORS LICENSING ACT OF 1991, TCA TITLE 62, AND CHAPTER 32 (CALL 615-741-9771 FOR ADDITIONAL INFORMATION.)

ELECTRICAL ABBREVIATIONS

ABBREVIATIONS	DESCRIPTION:
A	AMPERE
AFF	ABOVE FINISHED FLOOR - MEASURED FROM FLOOR TO CENTER OF DEVICE, EXCEPT AS OTHERWISE SPECIFICALLY NOTED.
ADA	AMERICANS WITH DISABILITIES ACT OF 1990
AFG	ABOVE FINAL GRADE
AGTD	AUTOMATIC GENERATOR TRANSFER DEVICE
C	CONDUIT
CM	INDICATES DEVICE TO BE CEILING MOUNTED
EM	INDICATES FIXTURE TO BE CONNECTED TO BUILDING EMERGENCY POWER SYSTEM.
EUH	ELECTRIC UNIT HEATER
F	FUSE
FAR	FUSE AS REQUIRED
FPN	FUSE PER NAMEPLATE REQUIREMENTS
G	GROUND
GF	INDICATES RECEPTACLE OR CIRCUIT BREAKER, AS APPLICABLE, TO HAVE GROUND FAULT PROTECTION
MCM	Kcmil (THOUSAND CIRCULAR MILS)
NEC	NATIONAL ELECTRICAL CODE
N	NEUTRAL
NL	INDICATES FIXTURE TO BE CONNECTED UNSWITCHED TO SERVE AS A "NIGHT" LIGHT.
PH	PHASE
RL	INDICATES DEVICE IS EXISTING TO RELOCATED
RLD	RELOCATED-SHOWN AT FINAL LOCATION
RM	INDICATES DEVICE IS EXISTING TO REMAIN
RV	INDICATES DEVICE TO BE REMOVED
SCIR	SHORT CIRCUIT INTERRUPTING RATING
S.O.	SPACE ONLY
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UNO	UNLESS NOTED OTHERWISE
VFD	VARIABLE FREQUENCY DRIVE - PROVIDED UNDER DIVISION 15
VIF	VERIFY IN FIELD
WP	INDICATES DEVICE TO HAVE WEATHERPROOF COVER, TAYMAC MODEL NO. MX3200 OR EQUAL.

FIRE ALARM DEVICE LEGEND

SYMBOL:	DESCRIPTION OF DEVICE	HEIGHT
F "FACP"	FIRE ALARM CONTROL PANEL	TOP @ 6'-0"
RA	REMOTE ANNUNCIATOR PANEL	TOP @ 5'-6"
P	MANUAL PULL STATION	48"
S	SMOKE DETECTOR	CLG
CO	CARBON/HEAT DETECTOR	CLG
DD	DUCT MOUNTED SMOKE DETECTOR	DUCT MOUNTED
R	REMOTE TEST STATION FOR DD	5'-6"
HS 15cd	HORN/STROBE UNIT, 15cd, RED	7'-6"
HS 75cd	HORN/STROBE UNIT, 75cd, RED	7'-6"
HS 110cd	HORN/STROBE UNIT, 110cd, RED	7'-6"
HS WP	WEATHER PROOF HORN/STROBE UNIT	7'-6"
S 15cd	STROBE UNIT, 15cd, RED	7'-6"
S 75cd	STROBE UNIT, 75cd, RED	7'-6"
S 110cd	STROBE UNIT, 110cd, RED	7'-6"
SS 15cd	SPEAKER/STROBE UNIT, 15cd, RED	7'-6"
SS 30cd	SPEAKER/STROBE UNIT, 30cd, RED	7'-6"
SS 75cd	SPEAKER/STROBE UNIT, 75cd, RED	7'-6"
SS 110cd	SPEAKER/STROBE UNIT, 110cd, RED	7'-6"
TS	TAMPER SWITCH	AS REQUIRED
FS	FLOW SWITCH	AS REQUIRED
PS	PRESSURE SWITCH	AS REQUIRED
EP	EXPANSION POWER SUPPLY, 120V	AS REQUIRED
PW	NAC POWER, 4 POINT	AS REQUIRED
BA	12 VOLT BATTERY 10 AH (2)	AS REQUIRED
RL	IAM RELAY, IDNET	AS REQUIRED
H 190°	HEAT DETECTOR 190° FIXED TEMP.	CLG
H 135°	HEAT DETECTOR 135° FIXED TEMP.	CLG
DH	DOOR HOLDER	AS REQUIRED
M	MINI HORN - 520 HZ	7'-6"
HS 15cd	HORN/STROBE UNIT, 75cd, RED, 520 HZ	7'-6"
HS 75cd	HORN/STROBE UNIT, 75cd, RED, 520 HZ	7'-6"

NOTES:

1. ALL FIRE ALARM DEVICES ARE EXISTING TO REMAIN, EXCEPT IN ADA ROOMS.
2. FIRE ALARM SYSTEM WIRING SHALL INSTALLED IN CONDUIT.

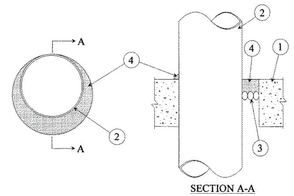
LIGHTING FIXTURE SCHEDULE

SYM	CATALOG NUMBER		PERFORMANCE				MOUNTING	DESCRIPTION
	COMPANY	MODEL NUMBER	WATTS	TEMP IN K	MIN CRI	DELIVERED LUMENS		
A	LITHONIA	EPANL-2X4-6000LM-80CRI-3500K-MIN10-ZT-MVOLT-2X4SMKSH	54	3500	80	6300	SURFACE	SURFACE MOUNTED FLAT PANEL 2X4 LED FIXTURE
B	KICHLER	10788NILED	48	3000	90	3725	SURFACE	24" DIAMETER SURFACE MOUNTED ROUND DECORATIVE LED FIXTURE
C	CONTECH	CMR2-4-30K-C-WHT	13	3000	90	570	SURFACE	4" SURFACE MOUNTED WET LOCATION DOWNLIGHT
D	KICHLER	11142NILED	20	3000	90	1400	WALL, MOUNTED ABOVE MIRROR	24" DECORATIVE LED VANITY FIXTURE
E	ACCESS LIGHTING	20439LEDD-BS/OPL	16	3000	90	900	MTD AT SAME HEIGHT AS EXISTING SCONCES TO BE REMOVED	DECORATIVE WALL SCONCE WITH BRUSHED STEEL FINISH AND OPAL GLASS DIFFUSER.
F	LITHONIA	CLX-L48-3000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI	21	3500	80	2700	SURFACE	SURFACE MOUNTED 4' STRIP LIGHT WITH FLAT DIFFUSER

NOTES:

1. THE FINISH OF ALL FIXTURES (NOTED BY ? IN THE MODEL NUMBER) SHALL BE VERIFIED WITH AND APPROVED BY THE ARCHITECT.
2. REFER TO THE ARCHITECT'S REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF FIXTURES.
3. ALL FIXTURES SHALL BE FURNISHED COMPLETE WITH ELECTRONIC DRIVERS WITH MAXIMUM 10% THP.
4. ALL FIXTURES IN KITCHEN OR FOOD PREP AREAS SHALL BE LENSED OR HAVE SHATTER PROOF LAMPS.

System No. C-AJ-1044
June 15, 2005
F Ratings - 2, 3, and 4 Hr (See Items 2A and 4)
T Rating - 0 Hr
L Rating At Ambient - 2 CFM/sq ft
L Rating At 400 F - less than 1 CFM/sq ft
W Rating - Class I (See Item 4)



1. Floor or Wall Assembly - Lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Except as noted in table under Item 4, min thickness of solid concrete floor or wall assembly is 4-1/2 in. (114 mm). Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow core **Precast Concrete Units***. When floor is constructed of hollow core precast concrete units, packing material (Item 3) and caulk fill material (Item 4) to be installed symmetrically on both sides of floor, flush with floor surface. Wall assembly may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is in solid lightweight or normal weight concrete. Floor is 32 in. (813 mm). Max diam of opening in floor constructed of hollow-core precast concrete units is 7 in. (178 mm).

See **Concrete Blocks** (CAZT) and **Precast Concrete Units** (CFTV) categories in the Fire Resistance Directory for names of manufacturers.

1A. Steel Sleeve (Optional, not shown) - Max 15 in. (381 mm) ID (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Sleeve may extend a max of 2 in. (51 mm) above top of floor or beyond either surface of wall. Max 16 in. (406 mm) ID (or smaller) min 0.028 (0.71 mm) wall thickness (or heavier) galvanized steel sleeve cast or grouted into floor or wall assembly. Sleeve may extend a max of 1/2 in. (13 mm) beyond either surface of floor or wall.

2. Through Penetrants - One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Max annular space between pipe, conduit or tubing and edge of through opening or sleeve is dependent on the parameters shown in Item 4. Min annular space between pipe or conduit and edge of through opening is 0 in. (0 mm) (point contact). Pipe conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

- **A. Steel Pipe** - Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
- **B. Iron Pipe** - Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
- **C. Conduit** - Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit.
- **D. Conduit** - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.
- **E. Copper** - Tubing Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tube.
- **F. Copper Pipe** - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. Packing Material - Polyethylene backer rod or nom 1 in. (25 mm) thickness of tightly-packed mineral wool batt or glass fiber insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of caulk fill material (Item 4).

4. Fill,Void or Cavity Material* - Caulk or Sealant - Applied to fill the annular space flush with top surface of floor. In wall assemblies, required caulk thickness to be installed symmetrically on both sides of wall, flush with wall surface. At point contact location between penetrant and sleeve or between penetrant and concrete, a min 1/4 in. (6 mm) diam bead of caulk shall be applied at top surface of floor and at both surfaces of wall. The hourly F Ratings and the min required caulk thickness are dependent upon a number of parameters, as shown in the following table:

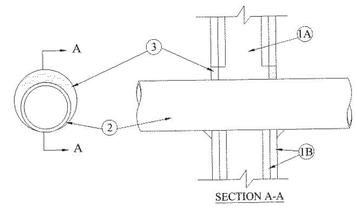
Min Floor or Wall Thkns In.	Nom Pipe Tube or Conduit Diam In.	Max Annular Space In.	Min Caulk Thkns In.	F Rating Hr
2-1/2 (64)	1/2-12 (13-305)	1-3/8 (35)	1/2 (13)	2
2-1/2 (64)	1/2-12 (13-305)	3-1/4 (83)	1 (25)	2
4-1/2 (114)	1/2-6 (13-152)	1-3/8 (35)	1/4 (6) (a)	2
4-1/2 (114)	1/2-12 (13-305)	1-1/4 (32)	1/2 (13)	3
4-1/2 (114)	1/2-20 (13-508)	2 (51)	1 (25)	3
4-1/2 (114)	1/2-20 (13-508)	2 (51)	1 (25)	3
4-1/2 (114)	1/2-12 (13-305)	3-1/4 (83)	1 (25)	3
4-1/2 (114)	22-30 (558-762)	2 (51)	2 (51)	3
5-1/2 (140)	1/2-6 (13-152)	1-3/8 (35)	1 (25) (b)	4

(a)Min 2 in. (51 mm) thickness of mineral wool batt insulation required in annular space.

(b)Min 1 in. (25 mm) thickness of mineral wool batt insulation required in annular space on both sides of floor or wall assembly. Min 1 in. (25 mm) thickness of caulk to be installed flush with each surface of floor or wall assembly.

3M COMPANY - CP 25WB+ caulk or FB-3000 WT sealant. (Note: W Rating applies only when FB-3000 WT sealant is used.) *Bearing the UL Classification Marking

System No.W-L-1054
October 14, 2015
F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Rating - 0 Hr
L Rating At Ambient - Less Than 1 CFM/sq ft
L Rating At 400 F - Less Than 1 CFM/sq ft



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.

B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. (819 mm) for steel stud walls. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls.

The F and FH Ratings of the firestop system are equal to the fire rating of the wall assembly.

2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. (57 mm). Pipe may be installed with continuous point contact. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

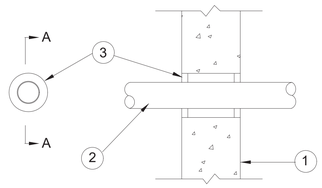
A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
B. Iron Pipe — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) . diam steel conduit.
D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) regular (or heavier) copper pipe.

3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall.

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

* 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 2015-10-14

System No.W-J-1156
October 14, 2015
F Rating - 2 Hr
T Rating - 0 Hr



SECTION A-A

1. Wall Assembly - Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Diam of opening to be min 1/2 in. (13 mm) to max 4 in. (102 mm) greater than outside diam of through-penetrant.

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Through Penetrants - One metallic pipe, conduit or tubing centered within opening. Annular space between penetrant and periphery of opening to be min 1/4 in. (6 mm) to max 2 in. (51 mm). Penetrant to be rigidly supported on both sides of wall. The following types and sizes of penetrants may be used:

A. Steel Pipe - Nom 6 in. (152 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
B. Iron Pipe - Nom 6 in. (152 mm) diam (or smaller) cast or ductile iron pipe.
C. Conduit - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or nom 6 in. (152 mm) rigid steel conduit.
D. Copper Tubing - Nom 3 in. (76 mm) diam (or smaller) Type L (or heavier) copper tubing.
E. Copper Pipe - Nom 3 in. (76 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. Fill,Void or Cavity Material* - Sealant - Min 5/8 in. (16 mm) thickness of sealant applied within annulus, flush with both surfaces of wall.

3M COMPANY - FB-1000 NS

*Bearing the UL Classification Marking

STUDIO FOUR DESIGN INC.
ARCHITECTURE & INTERIORS

414 Clinch Ave. Knoxville, TN 37902
p 865 523-5001 f 865 523-5003
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KCDC Guy B. Love Tower Renovation Renovation
1171 Armstrong Ave
Knoxville, TN 37917

NATHAN A. BROWN
NO. 104449
11/7/2019

Project Phase: Construction Documents

Issue Date: 11/07/19

Revisions		
No.	**Descripton**	**Date**

Job Number: 19089.00

ELECTRICAL LEGEND AND NOTES

E0.1

Date: 11/7/2019 1:38:45 PM
Drawn By: Author **Checked By:** Checker
File: C:\Users\jcleveland\Documents\SFD910-LOVE TOWERS-MEP-R18_jcleveland@facilitysystems.org.rvt

PANEL:	A (EXISTING)			VOLTAGE:	120/240	PHASE:	1		WIRE:	3	BUS:	EX
BUS RATING:	100 AMP			MAIN:	YES - 100A/2P				ENCLOSURE:	NEMA 1		
LUGS/PHASE:	EXISTING			ENTRY:	TOP	AIC:	EXISTING		MOUNTING:	RECESSED		
#	AMP	POLE	DESCRIPTION	LOAD	A	-	B	LOAD	DESCRIPTION	POLE	AMP	#
1	20	2	LIVING RM HEAT	1,200.0	5,200.0	-	-	4,000.0	RANGE	2	50	2
3	|	|		1,200.0	-	-	5,200.0	4,000.0		|	|	4
5	20	2	BEDROOM HEAT	1,200.0	2,700.0	-	-	1,500.0	WTR HEATER	2	20	6
7	|	|		1,200.0	-	-	2,700.0	1,500.0		|	|	8
9	20	2	BEDROOM HEAT	1,200.0	2,400.0	-	-	1,200.0	KITCHEN HEAT	2	20	10
11	|	|		1,200.0	-	-	2,400.0	1,200.0		|	|	12
13	20	1	LIGHTS & HEAT BATH	1,000.0	1,800.0	-	-	800.0	FRIDGE	1	20	14
15	20	1	LIGHTS	500.0	-	-	1,000.0	500.0	KITCHEN RECEPT	1	20	16
17	20	1	RECEPT IN LIVING RM	900.0	1,440.0	-	-	540.0	BEDROOM RECEPT	1	20	18
19	20	1	KITCHEN RECEPT	500.0	-	-	1,040.0	540.0	BEDROOM RECEPT	1	20	20
21			SPACE	0.0	0.0	-	-	0.0	SPACE			22
23			SPACE	0.0	-	-	0.0	0.0	SPACE			24
THIS PANEL TYPICAL OF 2 BEDROOM UNITS				TOTAL	13,540.0	-	12,340.0	VA				
				TOTAL CONNECTED			25,880.0	VA				

PANEL:	C (EXISTING)			VOLTAGE:	120/240	PHASE:	1		WIRE:	3	BUS:	EX
BUS RATING:	100 AMP			MAIN:	YES - 100A/2P				ENCLOSURE:	NEMA 1		
LUGS/PHASE:	EXISTING			ENTRY:	TOP	AIC:	EXISTING		MOUNTING:	RECESSED		
#	AMP	POLE	DESCRIPTION	LOAD	A	-	B	LOAD	DESCRIPTION	POLE	AMP	#
1	50	2	RANGE	4,000.0	5,500.0	-	-	1,500.0	WATER HEATER	2	20	2
3	|	|		4,000.0	-	-	5,500.0	1,500.0		|	|	4
5	20	2	BEDROOM HEAT	1,200.0	2,400.0	-	-	1,200.0	LIVING RM HEATER	2	20	6
7	|	|		1,200.0	-	-	2,400.0	1,200.0		|	|	8
9	20	1	LIVING RM RECEPT	900.0	1,700.0	-	-	800.0	LIGHTS	1	20	10
11	20	1	KITCHEN RECEPT	500.0	-	-	1,700.0	1,200.0	LIGHTS & HEATER	1	20	12
13	20	1	FRIDGE	800.0	1,300.0	-	-	500.0	EXISTING LOAD	1	20	14
15	20	1	SPARE	0.0	-	-	0.0	0.0	SPARE	1	20	16
17			SPACE	0.0	0.0	-	-	0.0	SPACE			18
19			SPACE	0.0	-	-	0.0	0.0	SPACE			20
21			SPACE	0.0	0.0	-	-	0.0	SPACE			22
23			SPACE	0.0	-	-	0.0	0.0	SPACE			24
THIS PANEL TYPICAL OF 1 BEDROOM UNITS				TOTAL	10,900.0	-	9,600.0	VA				
				TOTAL CONNECTED			20,500.0	VA				

PANEL:	D (EXISTING)			VOLTAGE:	120/240	PHASE:	1		WIRE:	3	BUS:	EX
BUS RATING:	100 AMP			MAIN:	YES - 100A/2P				ENCLOSURE:	NEMA 1		
LUGS/PHASE:	EXISTING			ENTRY:	TOP	AIC:	EXISTING		MOUNTING:	RECESSED		
#	AMP	POLE	DESCRIPTION	LOAD	A	-	B	LOAD	DESCRIPTION	POLE	AMP	#
1	30	2	LIVING RM HEATER	1,200.0	5,200.0	-	-	4,000.0	RANGE	2	50	2
3	|	|		1,200.0	-	-	5,200.0	4,000.0		|	|	4
5	20	1	LIGHTS	800.0	2,300.0	-	-	1,500.0	WATER HEATER	2	30	6
7	20	1	BATH LIGHTS & HEAT	1,200.0	-	-	2,700.0	1,500.0		|	|	8
9	20	1	LIVING & BED HEAT	1,200.0	2,000.0	-	-	800.0	FRIDGE	1	20	10
11	20	1	SPARE	0.0	-	-	500.0	500.0	KITCHEN RECEPT	1	20	12
13	20	1	EXISTING LOAD	1,200.0	2,100.0	-	-	900.0	LIVING RM RECEPT	1	20	14
15	20	2	BEDROOM HEATER	1,200.0	-	-	1,200.0	0.0	SPACE			16
17	|	|		1,200.0	1,200.0	-	-	0.0	SPACE			18
19			SPACE	0.0	-	-	0.0	0.0	SPACE			20
21			SPACE	0.0	0.0	-	-	0.0	SPACE			22
THIS PANEL TYPICAL OF 0 BEDROOM UNITS				TOTAL	12,800.0	-	9,600.0	VA				
				TOTAL CONNECTED			22,400.0	VA				

PANEL:	E (EXISTING)			VOLTAGE:	120/240	PHASE:	1		WIRE:	3	BUS:	EX
BUS RATING:	100 AMP			MAIN:	YES - 100A/2P				ENCLOSURE:	NEMA 1		
LUGS/PHASE:	EXISTING			ENTRY:	TOP	AIC:	EXISTING		MOUNTING:	RECESSED		
#	AMP	POLE	DESCRIPTION	LOAD	A	-	B	LOAD	DESCRIPTION	POLE	AMP	#
1	50	2	RANGE	4,000.0	5,200.0	-	-	1,200.0	LIVING RM HEAT	2	20	2
3	|	|		4,000.0	-	-	5,200.0	1,200.0		|	|	4
5	20	2	WATER HEATER	1,500.0	2,700.0	-	-	1,200.0	BEDROOM HEATER	2	20	6
7	|	|		1,500.0	-	-	2,700.0	1,200.0		|	|	8
9	20	1	KITCHEN RECEPT	500.0	1,300.0	-	-	800.0	LIGHTS	1	20	10
11	20	1	BEDROOM RECEPT	900.0	-	-	1,700.0	800.0	LIGHTS	1	20	12
13	20	1	FRIDGE	800.0	800.0	-	-	0.0	SPARE	1	20	14
15	20	1	LIVING RM RECEPT	900.0	-	-	900.0	0.0	SPARE	1	20	16
17			SPACE	0.0	0.0	-	-	0.0	SPACE			18
19			SPACE	0.0	-	-	0.0	0.0	SPACE			20
21			SPACE	0.0	0.0	-	-	0.0	SPACE			22
THIS PANEL TYPICAL OF 1 BEDROOM UNITS BEHIND ELEVATORS				TOTAL	10,000.0	-	10,500.0	VA				
				TOTAL CONNECTED			20,500.0	VA				

PANEL:	A (NEW)			VOLTAGE:	120/240	PHASE:	1		WIRE:	3	BUS:	CU
BUS RATING:	100 AMP			MAIN:	YES - 100A/2P				ENCLOSURE:	NEMA 1		
LUGS/PHASE:	#2			ENTRY:	TOP	AIC:	10,000		MOUNTING:	RECESSED		
#	AMP	POLE	DESCRIPTION	LOAD	A	-	B	LOAD	DESCRIPTION	POLE	AMP	#
1	20	2	LIVING RM HEAT	1,200.0	5,200.0	-	-	4,000.0	RANGE	2	50	2
3	|	|		1,200.0	-	-	5,200.0	4,000.0		|	|	4
5	20	2	BEDROOM HEAT	1,200.0	2,700.0	-	-	1,500.0	WTR HEATER	2	20	6
7	|	|		1,200.0	-	-	2,700.0	1,500.0		|	|	8
9	20	2	BEDROOM HEAT	1,200.0	2,400.0	-	-	1,200.0	KITCHEN HEAT	2	20	10
11	|	|		1,200.0	-	-	2,400.0	1,200.0		|	|	12
13	20AF	1	LIGHTS & HEAT BATH	1,000.0	1,800.0	-	-	800.0	FRIDGE	1	20AG	14
15	20AF	1	LIGHTS	500.0	-	-	1,000.0	500.0	KITCHEN RECEPT	1	20AG	16
17	20AF	1	RECEPT IN LIVING RM	900.0	1,440.0	-	-	540.0	BEDROOM RECEPT	1	20AF	18
19	20AG	1	KITCHEN RECEPT	500.0	-	-	1,040.0	540.0	BEDROOM RECEPT	1	20AF	20
21	20AG	1	SPARE	0.0	0.0	-	-	0.0	SPARE	1	20AF	22
23			SPACE	0.0	-	-	180.0	180.0	BATHROOM RECEPT	1	20	24
THIS PANEL TYPICAL OF 2 BEDROOM UNITS; PROVIDE 4" BY 14" CABINET, SIMILAR TO SQUARE D QO. "LOAD CENTER" SERIES.				TOTAL	13,540.0	-	12,520.0	VA	AF=AFCI TYPE; AG=AF/GF COMB.TYPE, PROVIDE LOCK-ON DEVICE FOR SMOKE ALARM CKT. FIELD VERIFY WATER HEATER BREAKER RATING PER UNIT PRIOR TO ORDERING PANEL AS BREAKER SIZES VARY.			
				TOTAL CONNECTED			26,060.0	VA				

PANEL:	C (NEW)			VOLTAGE:	120/240	PHASE:	1		WIRE:	3	BUS:	CU
BUS RATING:	100 AMP			MAIN:	YES - 100A/2P				ENCLOSURE:	NEMA 1		
LUGS/PHASE:	#2			ENTRY:	TOP	AIC:	10,000		MOUNTING:	RECESSED		
#	AMP	POLE	DESCRIPTION	LOAD	A	-	B	LOAD	DESCRIPTION	POLE	AMP	#
1	50	2	RANGE	4,000.0	5,500.0	-	-	1,500.0	WATER HEATER	2	20	2
3	|	|		4,000.0	-	-	5,500.0	1,500.0		|	|	4
5	20	2	BEDROOM HEAT	1,200.0	2,400.0	-	-	1,200.0	LIVING RM HEATER	2	20	6
7	|	|		1,200.0	-	-	2,400.0	1,200.0		|	|	8
9	20AF	1	LIVING RM RECEPT	900.0	1,700.0	-	-	800.0	LIGHTS	1	20AF	10
11	20AG	1	KITCHEN RECEPT	500.0	-	-	1,700.0	1,200.0	LIGHTS & HEATER	1	20AF	12
13	20AG	1	FRIDGE	800.0	1,300.0	-	-	500.0	EXISTING LOAD	1	20AF	14
15	20AG	1	KITCHEN RECEPT	500.0	-	-	500.0	0.0	SPARE	1	20AF	16
17	20AG	1	SPARE	0.0	180.0	-	-	180.0	BATHROOM RECEPT	1	20	18
19			SPACE	0.0	-	-	0.0	0.0	SPACE			20
21			SPACE	0.0	0.0	-	-	0.0	SPACE			22
23			SPACE	0.0	-	-	0.0	0.0	SPACE			24
THIS PANEL TYPICAL OF 1 BEDROOM UNITS; PROVIDE 4" BY 14" CABINET, SIMILAR TO SQUARE D QO. "LOAD CENTER" SERIES.				TOTAL	11,080.0	-	10,100.0	VA	AF=AFCI TYPE; AG=AF/GF COMB.TYPE, PROVIDE LOCK-ON DEVICE FOR SMOKE ALARM CKT. FIELD VERIFY WATER HEATER BREAKER RATING PER UNIT PRIOR TO ORDERING PANEL AS BREAKER SIZES VARY.			
				TOTAL CONNECTED			21,180.0	VA				

PANEL:	D (NEW)			VOLTAGE:	120/240	PHASE:	1		WIRE:	3	BUS:	CU
BUS RATING:	100 AMP			MAIN:	YES - 100A/2P				ENCLOSURE:	NEMA 1		
LUGS/PHASE:	#2			ENTRY:	TOP	AIC:	10,000		MOUNTING:	RECESSED		
#	AMP	POLE	DESCRIPTION	LOAD	A	-	B	LOAD	DESCRIPTION	POLE	AMP	#
1	20	2	LIVING RM HEATER	2,000.0	6,000.0	-	-	4,000.0	RANGE	2	50	2
3	|	|		2,000.0	-	-	6,000.0	4,000.0		|	|	4
5	20AF	1	LIGHTS	800.0	2,300.0	-	-	1,500.0	WATER HEATER	2	30	6
7	20AF	1	BATH LIGHTS & HEAT	1,200.0	-	-	2,700.0	1,500.0		|	|	8
9	20AF	1	LIVING & BED HEAT	1,200.0	2,000.0	-	-	800.0	FRIDGE	1	20AG	10
11	20AG	1	SPARE	0.0	-	-	500.0	500.0	KITCHEN RECEPT	1	20AG	12
13	20AF	1	EXISTING LOAD	1,200.0	2,100.0	-	-	900.0	LIVING RM RECEPT	1	20AF	14
15	20	1	BATHROOM RECEPT	180.0	-	-	680.0	500.0	KITCHEN RECEPT	1	20AG	16
17	20	2	BEDROOM HEATER	1,200.0	1,200.0	-	-	0.0	SPACE			18
19	|	|		1,200.0	-	-	1,200.0	0.0	SPACE			20
21			SPACE	0.0	0.0	-	-	0.0	SPACE			22
THIS PANEL TYPICAL OF 0 BEDROOM UNITS; PROVIDE 4" BY 14" CABINET, SIMILAR TO SQUARE D QO. "LOAD CENTER" SERIES.				TOTAL	13,600.0	-	11,080.0	VA	AF=AFCI TYPE; AG=AF/GF COMB.TYPE, PROVIDE LOCK-ON DEVICE FOR SMOKE ALARM CKT. FIELD VERIFY WATER HEATER BREAKER RATING PER UNIT PRIOR TO ORDERING PANEL AS BREAKER SIZES VARY.			
				TOTAL CONNECTED			24,680.0	VA				

PANEL:	E (NEW)			VOLTAGE:	120/240	PHASE:	1		WIRE:	3	BUS:	CU
BUS RATING:	100 AMP			MAIN:	YES - 100A/2P				ENCLOSURE:	NEMA 1		
LUGS/PHASE:	#2			ENTRY:	TOP	AIC:	10,000		MOUNTING:	RECESSED		
#	AMP	POLE	DESCRIPTION	LOAD	A	-	B	LOAD	DESCRIPTION	POLE	AMP	#
1	50	2	RANGE	4,000.0	5,200.0	-	-	1,200.0	LIVING RM HEAT	2	20	2
3	|	|		4,000.0	-	-	5,200.0	1,200.0		|	|	4
5	20	2	WATER HEATER	1,500.0	2,700.0	-	-	1,200.0	BEDROOM HEATER	2	20	6
7	|	|		1,500.0	-	-	2,700.0	1,200.0		|	|	8
9	20AG	1	KITCHEN RECEPT	500.0	1,300.0	-	-	800.0	LIGHTS	1	20AF	10
11	20AF	1	BEDROOM RECEPT	900.0	-	-	1,700.0	800.0	LIGHTS	1	20AF	12
13	20AG	1	FRIDGE	800.0	800.0	-	-	0.0	SPARE	1	20AG	14
15	20AF	1	LIVING RM RECEPT	900.0	-	-	900.0	0.0	SPARE	1	20AF	16
17			SPACE	0.0	180.0	-	-	180.0	BATHROOM RECEPT	1	20	18
19			SPACE	0.0	-	-	0.0	0.0	SPACE			20
21			SPACE	0.0	0.0	-	-	0.0	SPACE			22
THIS PANEL TYPICAL OF 1 BEDROOM UNITS BEHIND ELEVATORS; PROVIDE 4" BY 14" CABINET, SIMILAR TO SQUARE D QO. "LOAD CENTER" SERIES.				TOTAL	10,180.0	-	10,500.0	VA	AF=AFCI TYPE; AG=AF/GF COMB.TYPE, PROVIDE LOCK-ON DEVICE FOR SMOKE ALARM CKT. FIELD VERIFY WATER HEATER BREAKER RATING PER UNIT PRIOR TO ORDERING PANEL AS BREAKER SIZES VARY.			
				TOTAL CONNECTED			20,680.0	VA				

PANEL:	G			VOLTAGE:	120/208	PHASE:	3		WIRE:	4	BUS:	CU
BUS RATING:	60 AMP			MAIN:	NO-MLO				ENCLOSURE:	NEMA 1		
LUGS/PHASE:	#6			ENTRY:	TOP	AIC:	22,000		MOUNTING:	SURFACE		
#	AMP	POLE	DESCRIPTION	LOAD	A	B	C	LOAD	DESCRIPTION	POLE	AMP	#
1	30	2	JACKET HEATER	1,500.0	3,000.0	-	-	1,500.0	DAY TANK PUMP	1	20	2
3	|	|		1,500.0	-	1,500.0	-	0.0	SPACE			4
5	20	1	BATTERY CHARGER	1,000.0	-	-	1,000.0	0.0	SPACE			6
7			SPACE	0.0	0.0	-	-	0.0	SPACE			8
9			SPACE	0.0	-	0.0	-	0.0	SPACE			10
11			SPACE	0.0	-	-	0.0	0.0	SPACE			12
13			SPACE	0.0	0.0	-	-	0.0	SPACE			14
15			SPACE	0.0	-	0.0	-	0.0	SPACE			16
17			SPACE	0.0	-	-	0.0	0.0	SPACE			18
19			SPACE	0.0	0.0	-	-	0.0	SPACE			20
21			SPACE	0.0	-	0.0	-	0.0	SPACE			22
23			SPACE	0.0	-	-	0.0	0.0	SPACE			24
25			SPACE	0.0	0.0	-	-	0.0	SPACE			26
27			SPACE	0.0	-	0.0	-	0.0	SPACE			28
29			SPACE	0.0	-	-	0.0	0.0	SPACE			30
				TOTAL	3,000.0	1,500.0	1,000.0	VA				
				TOTAL CONNECTED			5,500.0	VA				

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STATE OF TENNESSEE

Project Phase: Construction Documents

Issue Date: 11/07/19		
Revisions		
No.	Descripton	Date

Job Number: 19089.00

ELECTRICAL PANELBOARD SCHEDULES

E0.2

Date: 11/7/2019 1:38:53 PM
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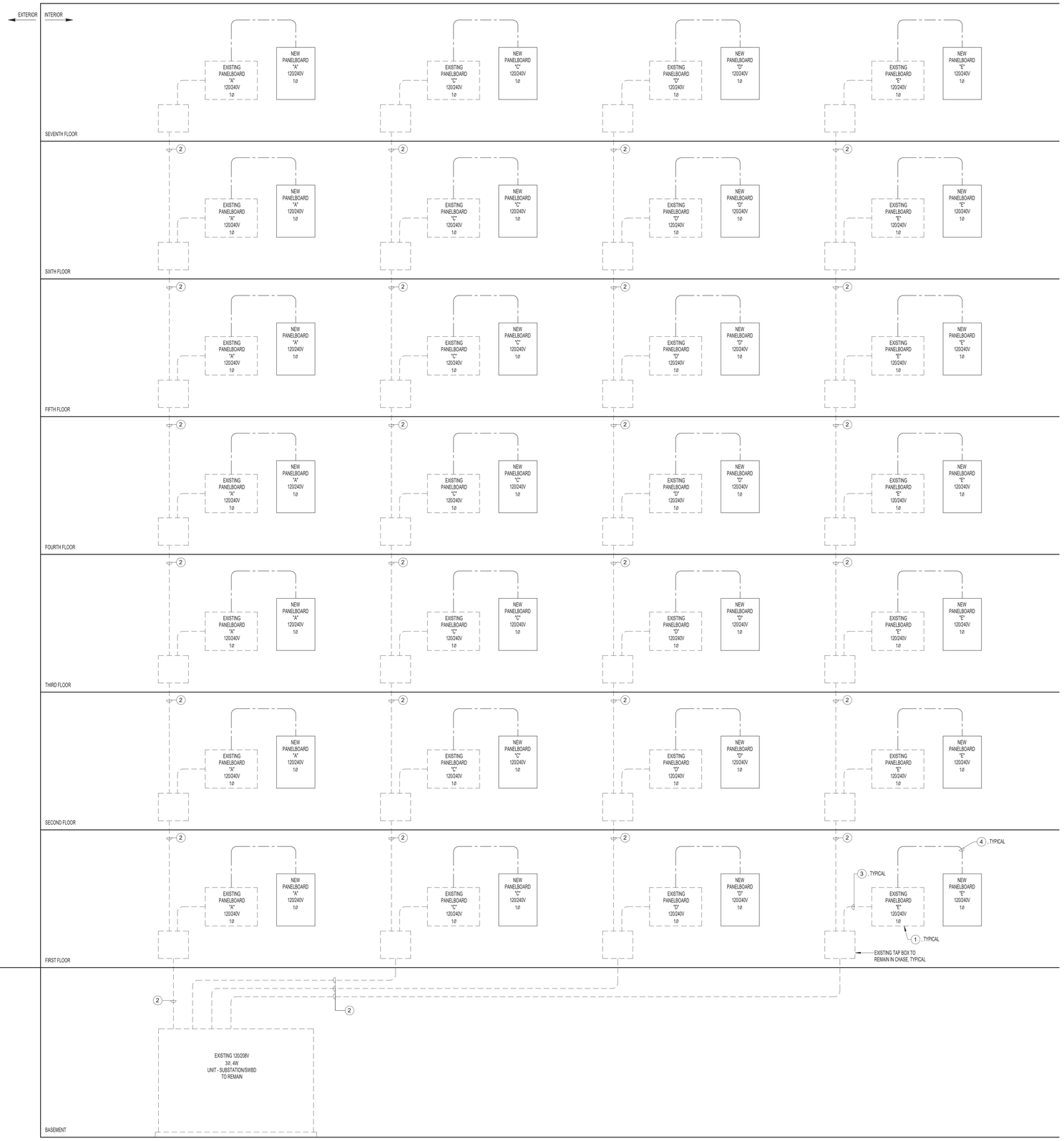

GENERAL NOTES:

1. THIS PARTIAL RISER DIAGRAM ONLY ILLUSTRATES EACH APARTMENT TYPE PER FLOOR. THIS DOES NOT REPRESENT TOTAL QUANTITY OF UNITS ON EACH FLOOR TO BE MODIFIED. THIS ILLUSTRATION IS TYPICAL OF BOTH BUILDING A & B. SEE OVERALL FLOOR PLANS FOR TOTAL QUANTITIES OF PANELS TO BE REPLACED.

REFERENCE NOTES:

1. EXISTING PANELBOARD CONVERTED TO PULLBOX, TYPICAL OF ALL APARTMENTS. SEE ENLARGED APARTMENT PLANS FOR MORE INFORMATION. PROVIDE CUSTOM BLANK COVER; INSTALL INSULATED POLARIS TAPS TO EXTEND FEEDER; SET GROUND BAR.
2. EXISTING 3"C, 4#250MCM TO REMAIN.
3. EXISTING 1-1/4"C, 3#2 TO REMAIN, TYPICAL OF ALL APARTMENT PANEL TAPS.
4. 1-1/4"C, 3#2, 1#6G, TYPICAL OF ALL APARTMENT PANEL FEEDER EXTENSIONS TO NEW PANEL LOCATION.

PARTIAL ELECTRICAL RISER DIAGRAM
NOT TO SCALE

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PARTIAL ELECTRICAL RISER DIAGRAM

E0.3

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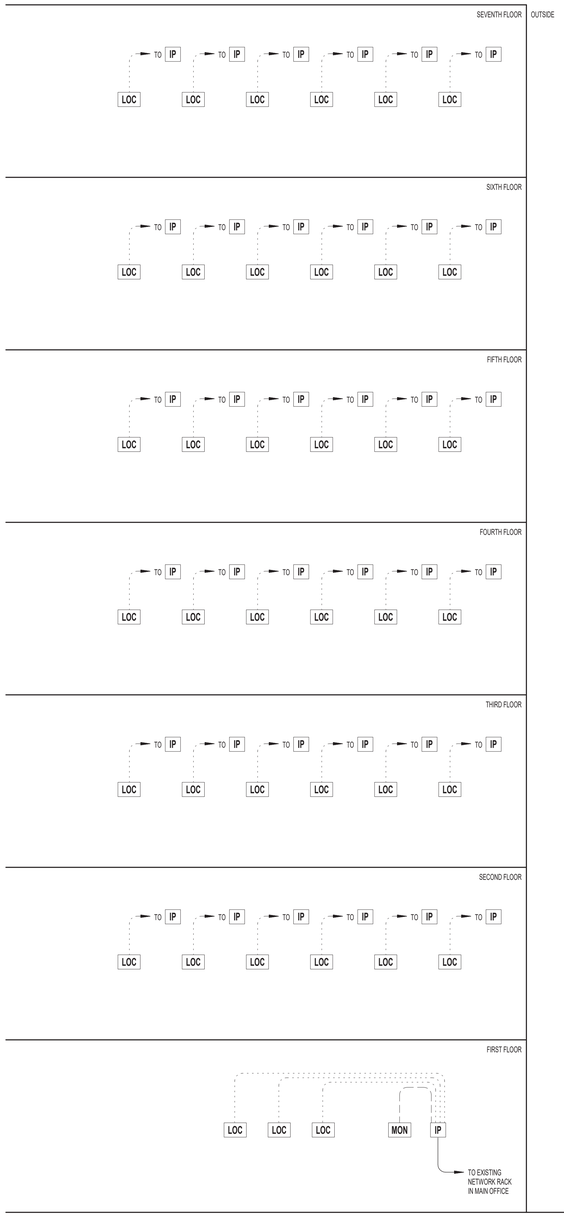
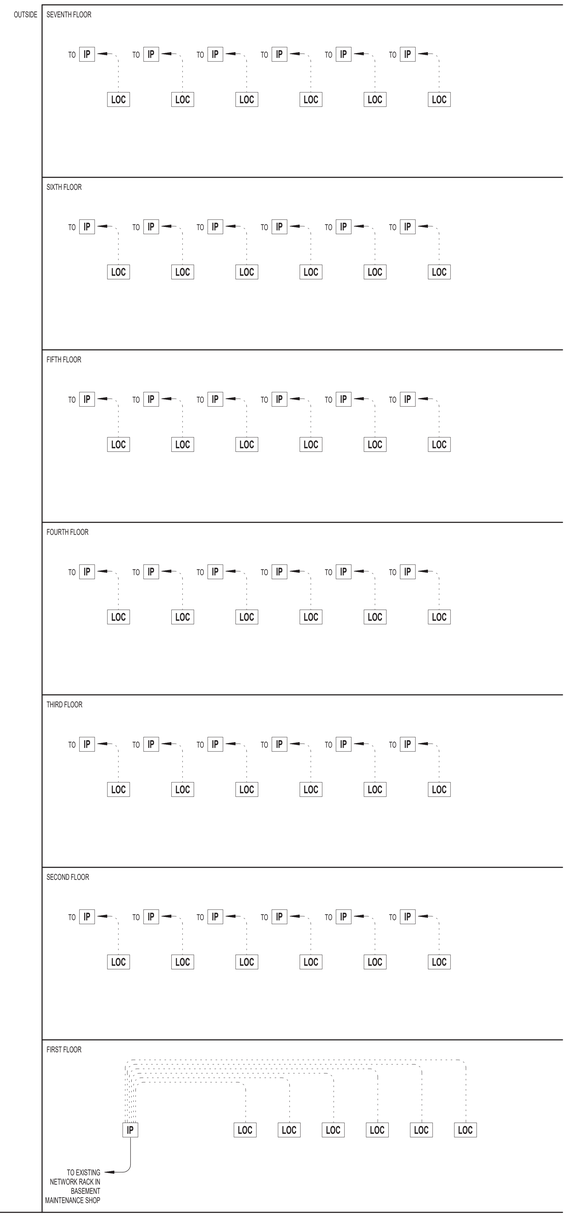
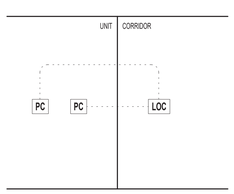
BUILDING A



BUILDING B





TYPICAL DWELLING UNIT DIAGRAM

WIRELESS SIGNAL
USB
ETHERNET (CAT6)

GENERAL NOTES

1. EMERGENCY CALL CONTRACTOR TO PROVIDE EQUIPMENT LAYOUT PROVIDING RELIABLE WIRELESS NETWORK COMMUNICATION FROM ALL EMERGENCY CALL STATIONS/PULLCORDS IN UNITS TO EMERGENCY CALL SYSTEM HUB ON FIRST FLOOR OF TOWER. DEVIATION FROM CURRENT LAYOUT SHALL NOT BE CAUSE FOR INCREASE IN COST. POWER RECEPTACLES PROVIDED AT EMERGENCY CALL EQUIPMENT AS SHOWN ON POWER PLANS.
2. REFER TO ENLARGED FLOOR PLANS FOR CALL STATION/PULLCORD LOCATIONS IN DWELLING UNITS.
3. EMERGENCY CALL SYSTEM TO BE MONITORED AT HEAD END MONITOR DURING NORMAL BUSINESS HOURS AND MONITORED VIA 3RD PARTY OFF-SITE MONITORING COMPANY OUTSIDE OF NORMAL BUSINESS HOURS. OFF-SITE MONITORING TO AT MINIMUM INCLUDE NOTIFICATION THAT A PROPERTY CALL STATION/PULLCORD HAS BEEN ACTIVATED.
4. REDUCTION IN NUMBER OF LOCATORS SHOWN ON THE PLANS SHALL RESULT IN COST SAVINGS FOR OWNER.

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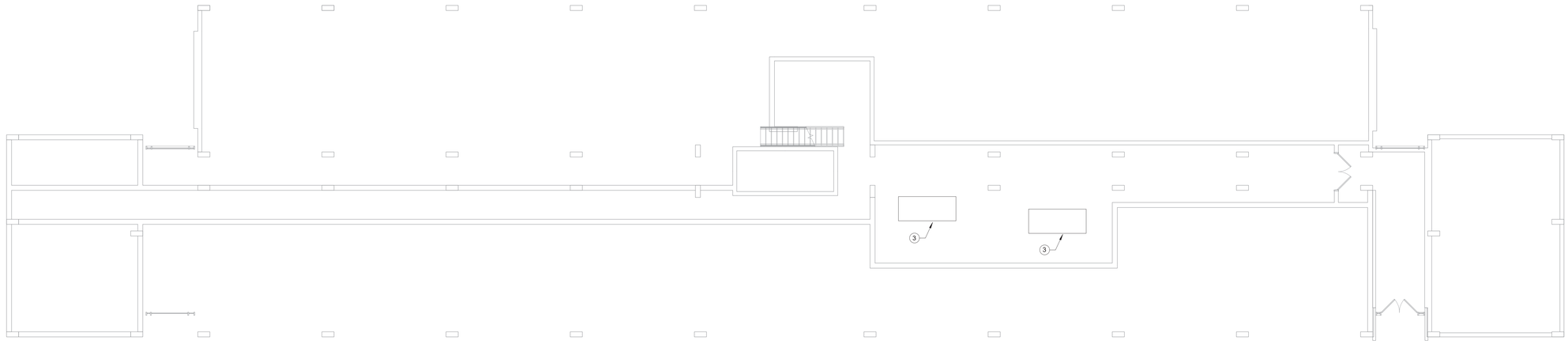
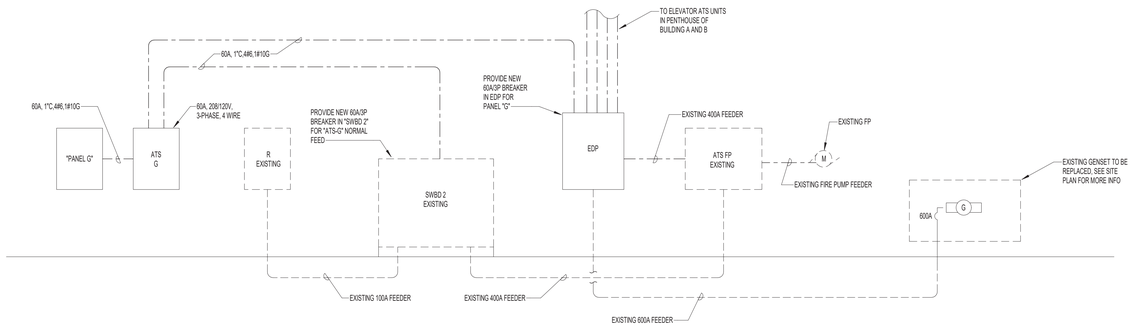
EMERGENCY CALL SYSTEM DIAGRAM

E0.4



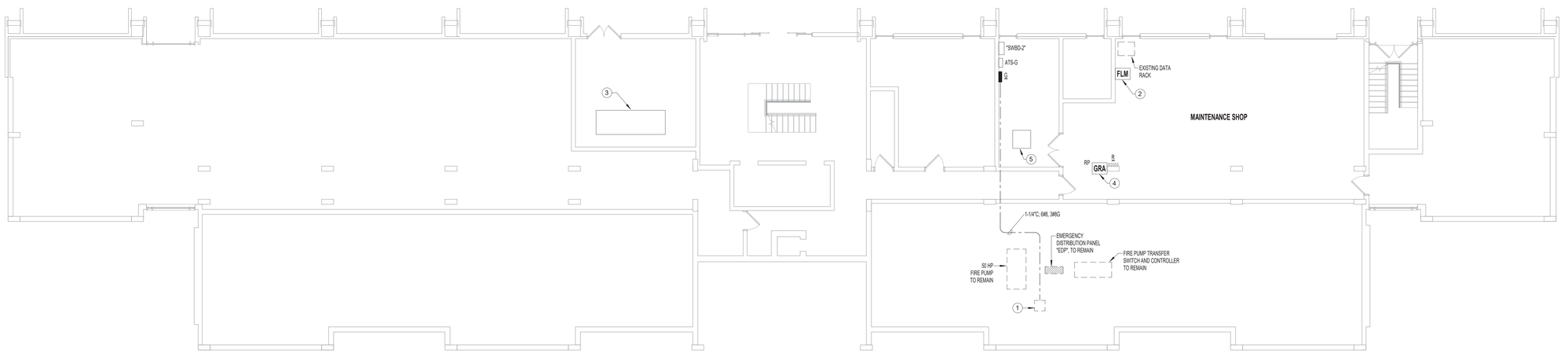
4 Basement Electrical Plan - Building A
1/8" = 1'-0"



PARTIAL FEEDER BUILDING B - EAST

REFERENCE NOTES:
1. EXISTING CEILING MOUNTED PULLBOX TO REMAIN. REMOVE BRANCH WIRING BETWEEN EXISTING PANEL "R" AND PULLBOX FOR GENERATOR BATTERY CHARGER AND JACKET HEATER. PROVIDE NEW WIRING AND CONDUIT BETWEEN PULLBOX AND PANEL "G" AS SHOWN ON PLANS. ADDITIONAL 2#8, 1# 8G SHOWN CORRESPOND TO GENERATOR DIESEL TANK PUMP CIRCUIT, SEE SITE PLAN. FIELD VERIFY ALL EXISTING WIRE SIZES, CONDUIT SIZES, LENGTHS, BREAKERS, AND OTHER EXISTING CONDITIONS.
2. FIELD VERIFY FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION. PROVIDE 1"C WITH CONTROL CABLES PER MANUFACTURER'S REQUIREMENTS TO UNDERGROUND STORAGE TANK. SEE SITE PLAN.
3. EXISTING UNIT SUBSTATION/SWBD TO REMAIN.
4. EXISTING GENERATOR REMOTE ANNUNCIATER TO BE REPLACED. UTILIZE EXISTING CONDUIT AND PULL NEW CONTROL CABLE TO GENSET IF EXISTING CONTROL CABLE DOES NOT MEET MANUFACTURER RECOMMENDATIONS.
5. EXISTING PULLBOX TO REMAIN.

CMU Wall - New 1 Hour Fire Rated Wall
8" CMU WALL - TO MATCH EXISTING



3 Basement Electrical Plan - Building B
1/8" = 1'-0"

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BASEMENT ELECTRICAL PLANS

E1.0

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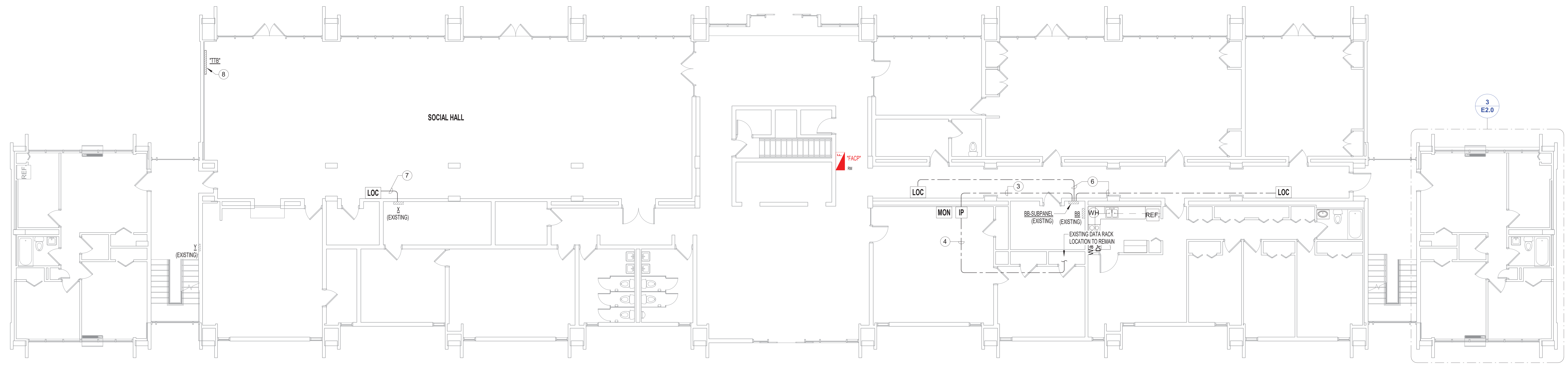
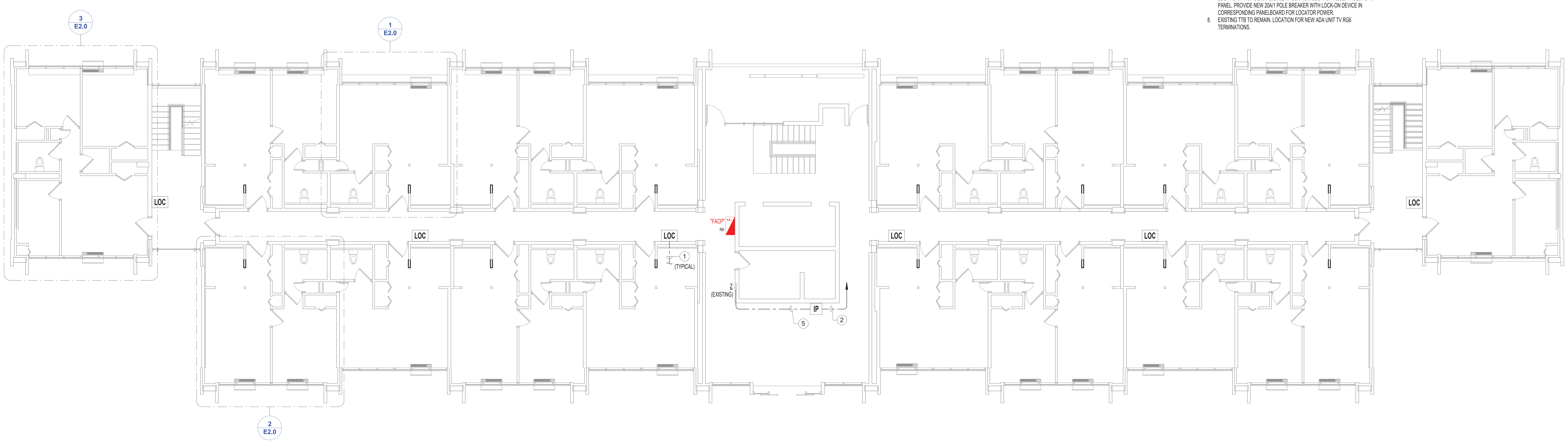


1 First Floor Electrical Plan - Building A
1/8" = 1'-0"

REFERENCE NOTES:

1. PROVIDE NEW SURFACE MOUNTED DUPLEX RECEPTACLE AT EACH LOCATOR LOCATION. PROVIDE 3/4"C; 2#12, 1#12G FROM LOCATOR RECEPTACLE TO APARTMENT PANELBOARD. PROVIDE NEW 20A/1 POLE BREAKER WITH LOCK-ON DEVICE IN CORRESPONDING PANELBOARD FOR LOCATOR POWER. ALL INDOOR CONDUIT TO BE SURFACE MOUNTED WIREMOLD WHERE CONDUIT CANNOT BE CONCEALED. PATCH CEILINGS/WALLS AS NECESSARY WHERE CONDUITS CAN BE CONCEALED.
2. PROVIDE CAT6 CABLE IN 3/4"C FROM EMERGENCY CALL SYSTEM HUB TO EXISTING NETWORK RACK IN BASEMENT MAINTENANCE SHOP. FIELD VERIFY EXACT DATA RACK LOCATION.
3. PROVIDE SURFACE MOUNTED DUPLEX RECEPTACLE BETWEEN HUB AND MONITOR. PROVIDE 3/4"C; 2#12, 1#12G FROM DUPLEX TO NEW 20A/1 POLE BREAKER IN "BB" SUBPANEL.
4. PROVIDE CAT6 CABLE IN 3/4"C FROM EMERGENCY CALL SYSTEM HUB TO EXISTING NETWORK RACK IN MAIN OFFICE. FIELD VERIFY EXACT DATA RACK LOCATION.
5. PROVIDE NEW SURFACE MOUNTED DUPLEX RECEPTACLE AT INDICATOR PANEL LOCATION. PROVIDE 3/4"C; 2#12, 1#12G FROM INDICATOR PANEL RECEPTACLE TO PANEL "Z". PROVIDE SPARE 20A/1 POLE BREAKER IN PANEL "Z" WITH LOCK-ON DEVICE FOR INDICATOR PANEL POWER. ALL INDOOR CONDUIT TO BE SURFACE MOUNTED WIREMOLD WHERE CONDUIT CANNOT BE CONCEALED. PATCH CEILINGS/WALLS AS NECESSARY WHERE CONDUITS CAN BE CONCEALED.
6. PROVIDE NEW SURFACE MOUNTED DUPLEX RECEPTACLE AT EACH LOCATOR LOCATION. PROVIDE 3/4"C; 2#12, 1#12G FROM LOCATOR RECEPTACLE TO "BB" SUBPANEL. PROVIDE NEW 20A/1 POLE BREAKER WITH LOCK-ON DEVICE IN CORRESPONDING PANELBOARD FOR LOCATOR POWER. ALL INDOOR CONDUIT TO BE SURFACE MOUNTED WIREMOLD WHERE CONDUIT CANNOT BE CONCEALED. PATCH CEILINGS/WALLS AS NECESSARY WHERE CONDUITS CAN BE CONCEALED.
7. PROVIDE NEW SURFACE MOUNTED DUPLEX RECEPTACLE AT LOCATOR LOCATION. PROVIDE 3/4"C; 2#12, 1#12G FROM LOCATOR RECEPTACLE TO "X" PANEL. PROVIDE NEW 20A/1 POLE BREAKER WITH LOCK-ON DEVICE IN CORRESPONDING PANELBOARD FOR LOCATOR POWER.
8. EXISTING TTB TO REMAIN. LOCATION FOR NEW ADA UNIT TV RG6 TERMINATIONS.

CMU Wall - New 1 Hour Fire Rated Wall
8" CMU WALL - TO MATCH EXISTING



2 First Floor Electrical Plan - Building B
1/8" = 1'-0"

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FIRST FLOOR
ELECTRICAL PLANS

E1.1

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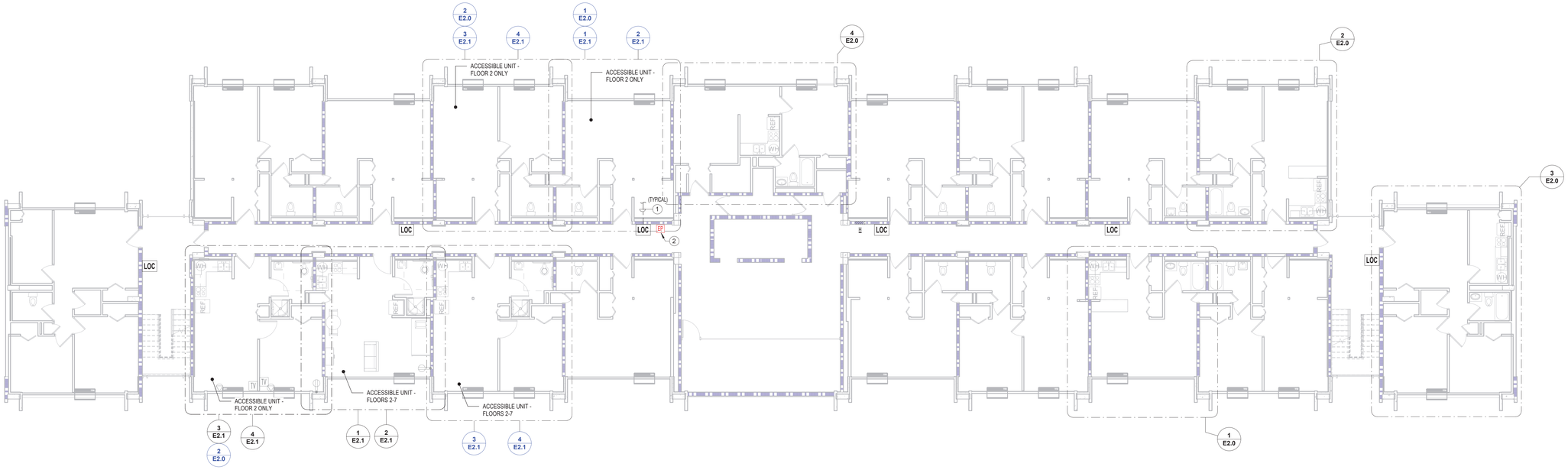
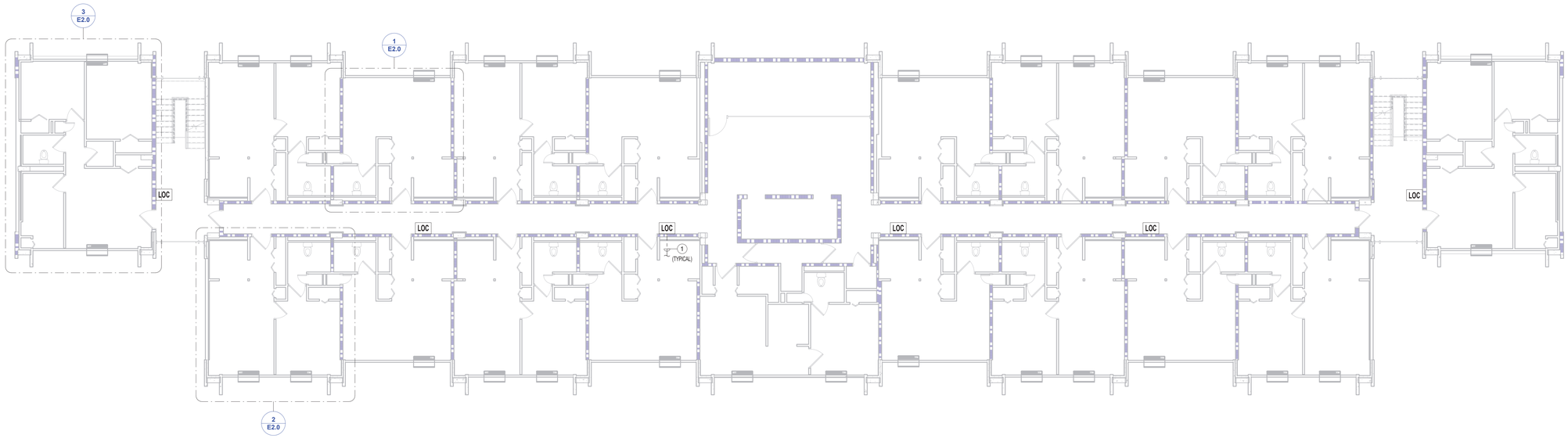


1 Second Thru Seventh Floor Electrical Plan - Building A
1/8" = 1'-0"



2 Second Thru Seventh Floor Electrical Plan - Building B
1/8" = 1'-0"

REFERENCE NOTES:

1. PROVIDE NEW SURFACE MOUNTED DUPLEX RECEPTACLE AT EACH LOCATOR LOCATION. PROVIDE 3/4"C, 2#12, 1#12G FROM LOCATOR RECEPTACLE TO APARTMENT PANELBOARD. PROVIDE NEW 20A/1 POLE BREAKER WITH LOCK-ON DEVICE IN CORRESPONDING PANELBOARD FOR LOCATOR POWER. ALL INDOOR CONDUIT TO BE SURFACE MOUNTED W/REMOLD WHERE CONDUIT CANNOT BE CONCEALED. PATCH CEILINGS/WALLS AS NECESSARY WHERE CONDUITS CAN BE CONCEALED.
2. PROVIDE NEW EXPANSION POWER SUPPLY FOR NEW FIRE ALARM DEVICES IN ADA UNITS. POWER SUPPLY ONLY LOCATED ON SECOND FLOOR.

CMU Wall - New 1 Hour Fire Rated Wall
8" CMU WALL - TO MATCH EXISTING

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KCDC Guy B. Love Tower Renovation

1171 Armstrong Ave
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NATHAN A. BROWN — REGISTERED ARCHITECT — AGRICULTURE — 104449 — STATE OF TENNESSEE — 11/7/19

Project Phase: Construction Documents

Issue Date: 11/07/19

Revisions

No.	Descripton	Date

Job Number: 19089.00

SECOND THRU SEVENTH FLOOR ELECTRICAL PLAN

E1.2

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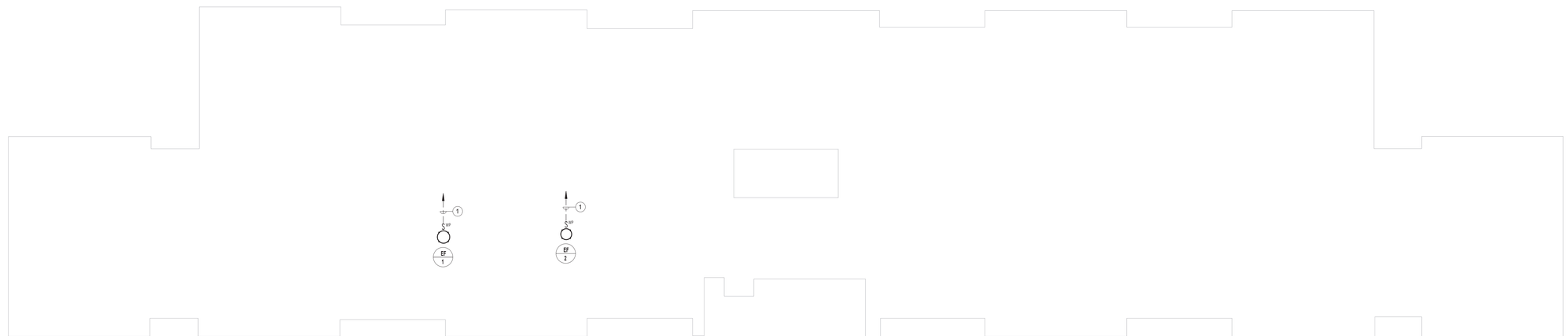

1 Building A - Roof Electrical Plan
1/8" = 1'-0"

REFERENCE NOTES:
1. CIRCUIT TO PANEL "H" ON SEVENTH FLOOR. PROVIDE NEW 20A/1P BREAKER IN PANEL "H" FOR EACH NEW EXHAUST FAN.

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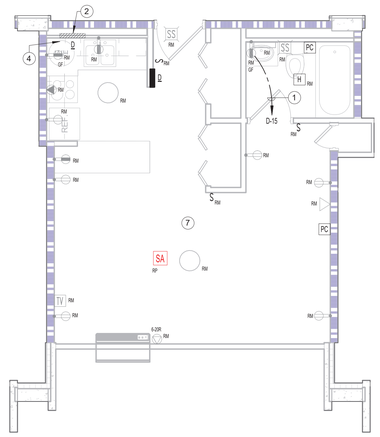
BUILDING A - ROOF ELECTRICAL PLAN

E1.3



1 Typical Enlarged Floor Plan - Type 0
1/4" = 1'-0"

2 Typical Enlarged Floor Plan - Type 1
1/4" = 1'-0"

3 Typical Enlarged Floor Plan - Type 2
1/4" = 1'-0"

4 Typical Enlarged Foor Plan - 1 BR Behind Elevator
1/4" = 1'-0"

GENERAL NOTES:
1. ALL NEW CONDUITS WITHIN DWELLING UNITS TO BE SURFACE MOUNTED WIREMOLD WHERE CONDUIT CANNOT BE CONCEALED. PATCH CEILINGS/WALLS AS NECESSARY WHERE CONDUITS CAN BE CONCEALED.
2. ENSURE ALL SMOKE ALARMS ARE CONNECTED TO UNSWITCHED CIRCUIT.

REFERENCE NOTES:
1. 3/4"C, 3#12, 1#12G TO CORRESPONDING PANEL TO SEPERATE BATHROOM RECEPTACLE CIRCUIT FROM OTHER LOADS PER NEC CODE.
2. REMOVE EXISTING PANEL INTERIOR COMPONENTS AND PROVIDE BLANK COVER FOR PANEL. SPLICE AND EXTEND ALL WIRING FROM EXISTING PANEL LOCATION TO NEW PANEL LOCATION. REWIRE BRANCH CIRCUITS AS NECESSARY TO ELIMINATE SHARED NEUTRALS. ASSUME 3 CIRCUITS WITH SHARED NEUTRAL OCTS. PROVIDE NEW GROUND WIRES WHERE NOT PRESENT AND CONDUIT DOESN'T PROVIDE ADEQUATE GROUND PATH.
3. REPLACE EXISTING PANEL WITH NEW PANEL ROTATED 90° TO WHERE PANEL DOOR OPENS NORMALLY. REWIRE BRANCH CIRCUITS AS NECESSARY TO ELIMINATE SHARED NEUTRALS. ASSUME 3 CIRCUITS WITH SHARED NEUTRAL OCTS. PROVIDE NEW GROUND WIRES WHERE NOT PRESENT AND CONDUIT DOESN'T PROVIDE ADEQUATE GROUND PATH.
4. WATER HEATER CONNECTION TO REMAIN. DISCONNECT EXISTING WATER HEATER AND RECONNECT WATER HEATER UPON COMPLETION OF CABINET INSTALLATION.
5. CONNECT TO SAME UNSWITCHED LIGHTING CIRCUIT AS EXISTING SMOKE ALARM TO BE REMOVED.
6. AIR TRANSFER FAN TO REMAIN.
7. THE WORK SHOWN ON THIS ENLARGED PLAN IS TYPICAL FOR ALL UNITS OF THIS TYPE IN THE FACILITY.

CMU Wall - New 1 Hour Fire Rated Wall
8" CMU WALL - TO MATCH EXISTING

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TYPICAL ENLARGED ELECTRICAL FLOOR PLANS

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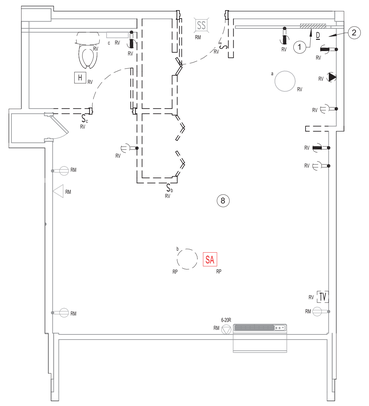
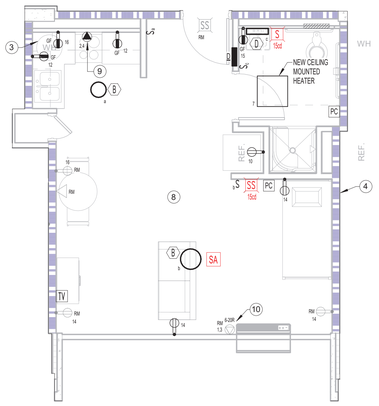
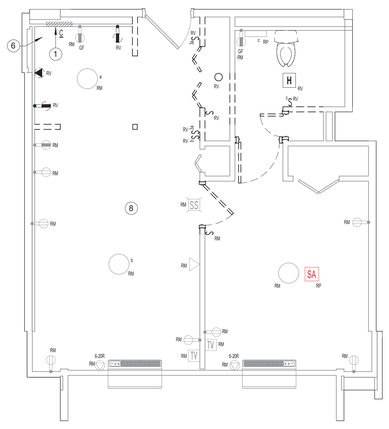


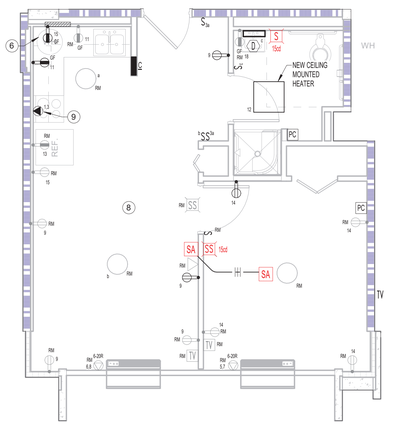
1 ADA Type 0 - Electrical Demo Plan
1/4" = 1'-0"



2 ADA Type 0 - Electrical New Work Plan
1/4" = 1'-0"



3 ADA Type 1 - Electrical Demo Plan
1/4" = 1'-0"



4 ADA Type 1 - Electrical New Work Plan
1/4" = 1'-0"

GENERAL NOTES:

1. ALL NEW SPEAKER STROBES IN DWELLING UNIT BEDROOMS TO BE LOW FREQUENCY TYPE..
2. ALL NEW CONDUITS WITHIN DWELLING UNITS TO BE SURFACE MOUNTED WIREMOLD WHERE CONDUIT CANNOT BE CONCEALED. PATCH CEILINGS/WALLS AS NECESSARY WHERE CONDUITS CAN BE CONCEALED.
3. ALL WALL MOUNTED SMOKE ALARMS TO BE MOUNTED AT 8" BELOW CEILING TO CENTERLINE OF SMOKE ALARM.
4. REUSE EXISTING WIRE AND CONDUIT IN SAME LOCATION WHERE POSSIBLE AND IN GOOD CONDITION.
5. WIRING IN DWELLING UNITS NOT SHOWN ON PLANS FOR CLARITY. PROVIDE BRANCH CIRCUIT WIRING TO CONNECT ALL DEVICES, FIXTURES, HVAC UNITS, ETC. TO CIRCUITS INDICATED ON DRAWINGS.

REFERENCE NOTES:

1. REMOVE EXISTING PANEL INTERIOR COMPONENTS AND PROVIDE BLANK COVER FOR PANEL. SPLICE AND EXTEND ALL WIRING FROM EXISTING PANEL LOCATION TO NEW PANEL LOCATION. REWIRE BRANCH CIRCUITS TO REMAIN AS NECESSARY TO ELIMINATE SHARED NEUTRALS. ASSUME THREE CIRCUITS WITH SHARED NEUTRALS. PROVIDE NEW GROUND WIRES WHERE NOT PRESENT AND CONDUIT DOESN'T PROVIDE ADEQUATE GROUND PATH.
2. WATER HEATER CONNECTION TO BE REMOVED.
3. SUPPLY NEW WATER HEATER CONNECTION AT THIS LOCATION. SUPPLY 3/4"C., 3#10, 1#10G BACK TO NEW PANEL LOCATION AND UTILIZE CKTS 6,8.
4. ALL LIGHTING IN THIS UNIT EXCEPT FOR BATHROOM TO BE SERVED BY CKT. 5 IN PANEL. BATHROOM LIGHTING TO BE SERVED BY CKT. 7.
5. NOT USED.
6. EXISTING WATER HEATER CONNECTION TO REMAIN. DISCONNECT EXISTING WATER HEATER AND RECONNECT UPON COMPLETION OF CABINETRY WORK.
7. ALL LIGHTING IN THIS UNIT EXCEPT FOR BATHROOM TO BE SERVED BY CKT. 10 IN PANEL. BATHROOM LIGHTING TO BE SERVED BY CKT. 12.
8. THE WORK SHOWN ON THIS ENLARGED PLAN IS TYPICAL FOR ALL UNITS OF THIS TYPE IN THE FACILITY.
9. PROVIDE 3#8, 1#10G, 3/4"C BACK TO PANEL FOR NEW RANGE RECEPTACLE.
10. PROVIDE 2#12, 1#12G, 3/4"C BACK TO PANEL FOR PTAC RECEPTACLE TO REMAIN.

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8" CMU WALL - TO MATCH EXISTING

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ADA TYPE 0 & ADA TYPE 1 DEMO AND NEW WORK ELECT. PLANS

E2.1

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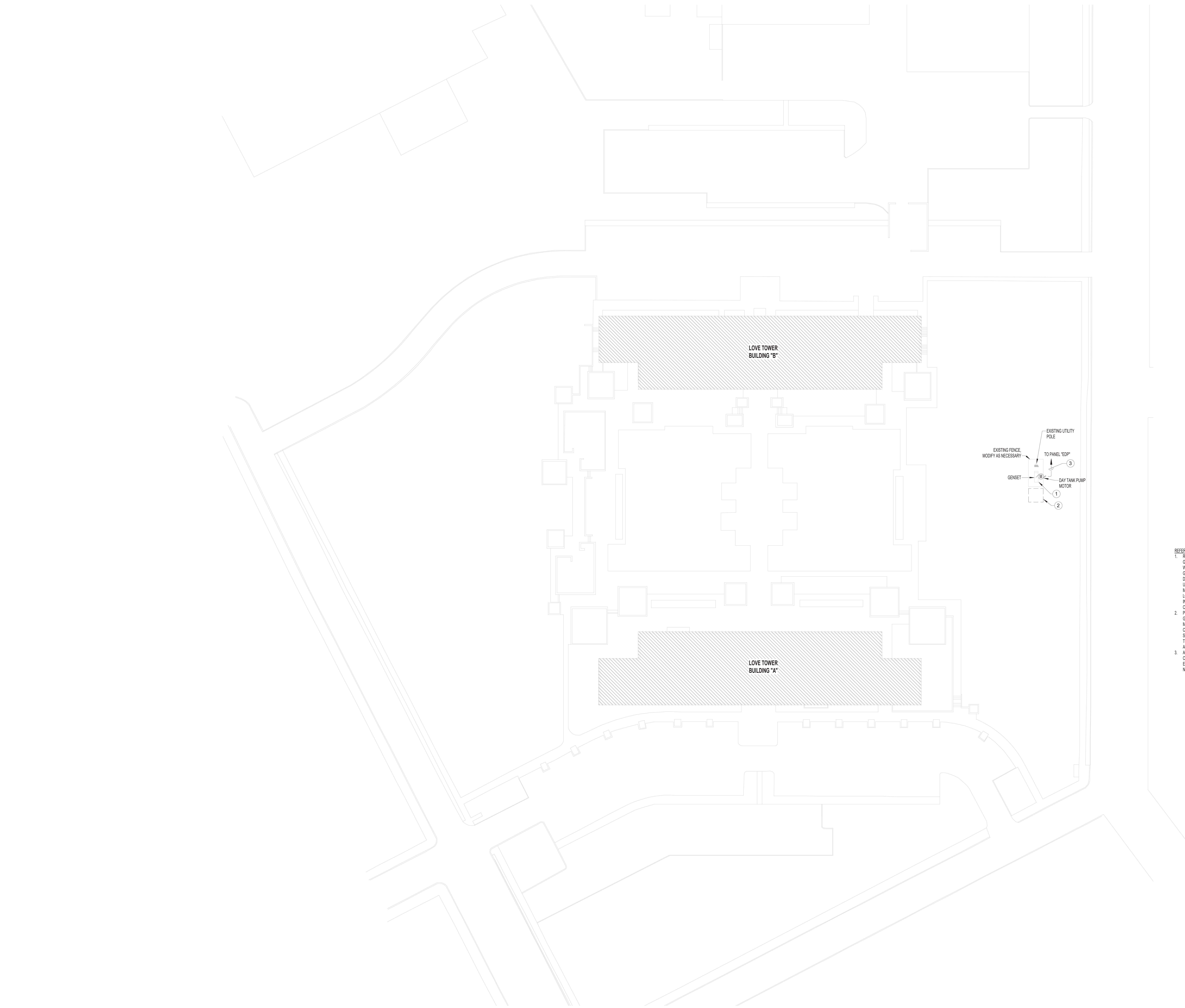

1 LOVE TOWER SITE PLAN
1" = 30'-0"

REFERENCE NOTES:

1. REPLACE EXISTING CUMMINS ONAN 175DGFB 175KW, 208/120V, 3 PHASE GENSET WITH NEW 125KW/156KVA/672SKVA GENSET WITH WEATHERPROOF ENCLOSURE IN SAME LOCATION. PROVIDE TEMPORARY GENSET CONNECTED AT EMERGENCY DISTRIBUTION PANEL IN BASEMENT DURING GENSET REPLACEMENT AS REQUIRED BY THE CITY OF KNOXVILLE. UTILIZE EXISTING CONDUIT STUB-UPS AND FEEDERS TO EXTENT POSSIBLE. MODIFY AS REQUIRED. FIELD VERIFY ALL REQUIREMENTS. NEW GENSET LOCATION MUST MEET ALL GENERATOR CLEARANCE REQUIREMENTS INCLUDING BUT NOT LIMITED TO PROPER AIR FLOW AND DOOR CLEARANCE PER MANUFACTURER.
2. PROVIDE 24 HOUR CAPACITY BURIED DIESEL STORAGE TANK FOR NEW GENSET TO MEET CITY OF KNOXVILLE REQUIREMENTS. STORAGE TANK TO MEET PROJECT SPECIFICATIONS. PROVIDE AND INSTALL ALL HOSE/PIPE CONNECTIONS, CONTROLS, SWITCHES, AND OTHER ACCESSORIES IN SPECIFICATIONS BETWEEN UNDERGROUND TANK, DAY TANK, AND GENSET TO CREATE A FULLY FUNCTIONING SYSTEM. PROVIDE DAY TANK AND PUMP ACCORDING TO SPECIFICATIONS.
3. ADD 2#8 UTILIZING EXISTING BLOCK HEATER AND BATTERY CHARGER CONDUIT BACK TO PANEL "G" IN BASEMENT OF BUILDING B, SEE SHEET E1.0. RE-PULL JACKET HEATER AND BATTERY CHARGER CIRCUITS AS NECESSARY.

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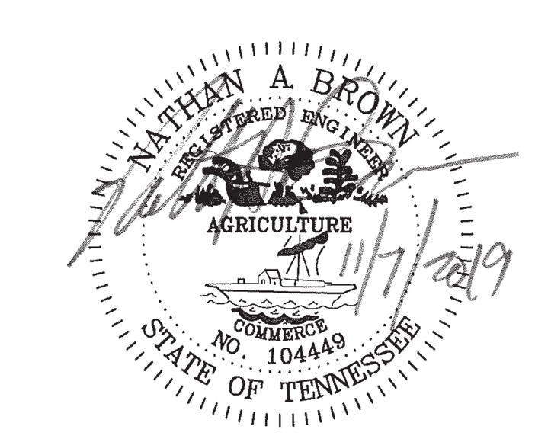

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LOVE TOWERS
ELECTRICAL SITE PLAN

ES1.0