

U.S. DEPARTMENT OF COMMERCE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

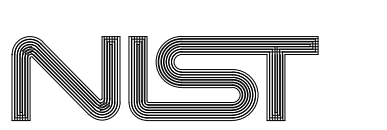
NIST STANDARD BLDG PLUMBING SYSTEM MODELS

FINAL SUBMISSION: 02-04-22

LSY PROJECT NO. 21042

DRAWING INDEX

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GENERAL			
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ARCHITECTURAL			
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A-201	NEW WORK PLAN - SINGLE FAMILY DETACHED HOME - MULTI STORY		
A-202	ENLARGED PLANS - SINGLE FAMILY DETACHED HOME - MULTI STORY		
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OFFICE OF FACILITIES & PROPERTY MANAGEMENT

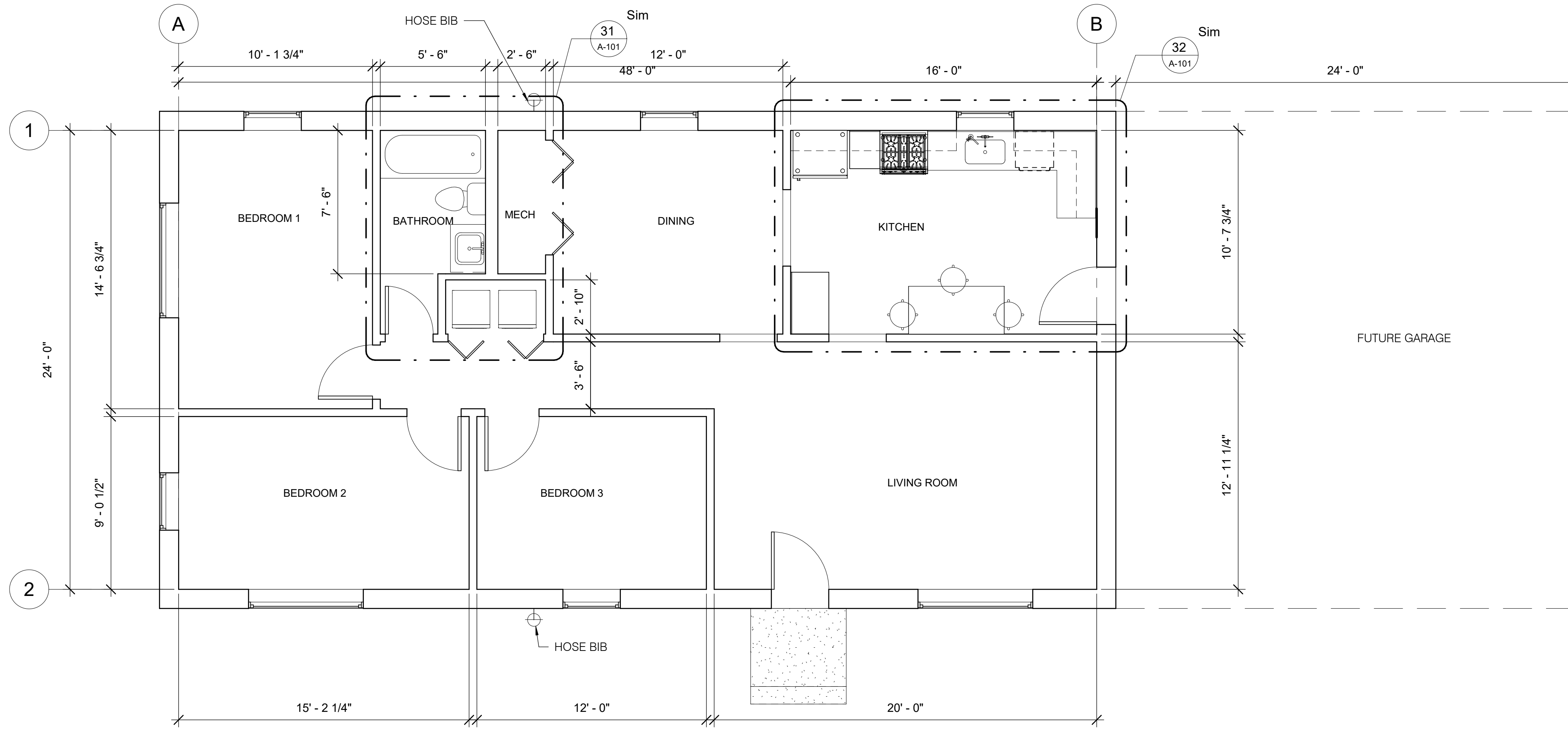
NIST STD. BLDG. PLUMBING SYSTEM MODELS

COVER SHEET

G-001

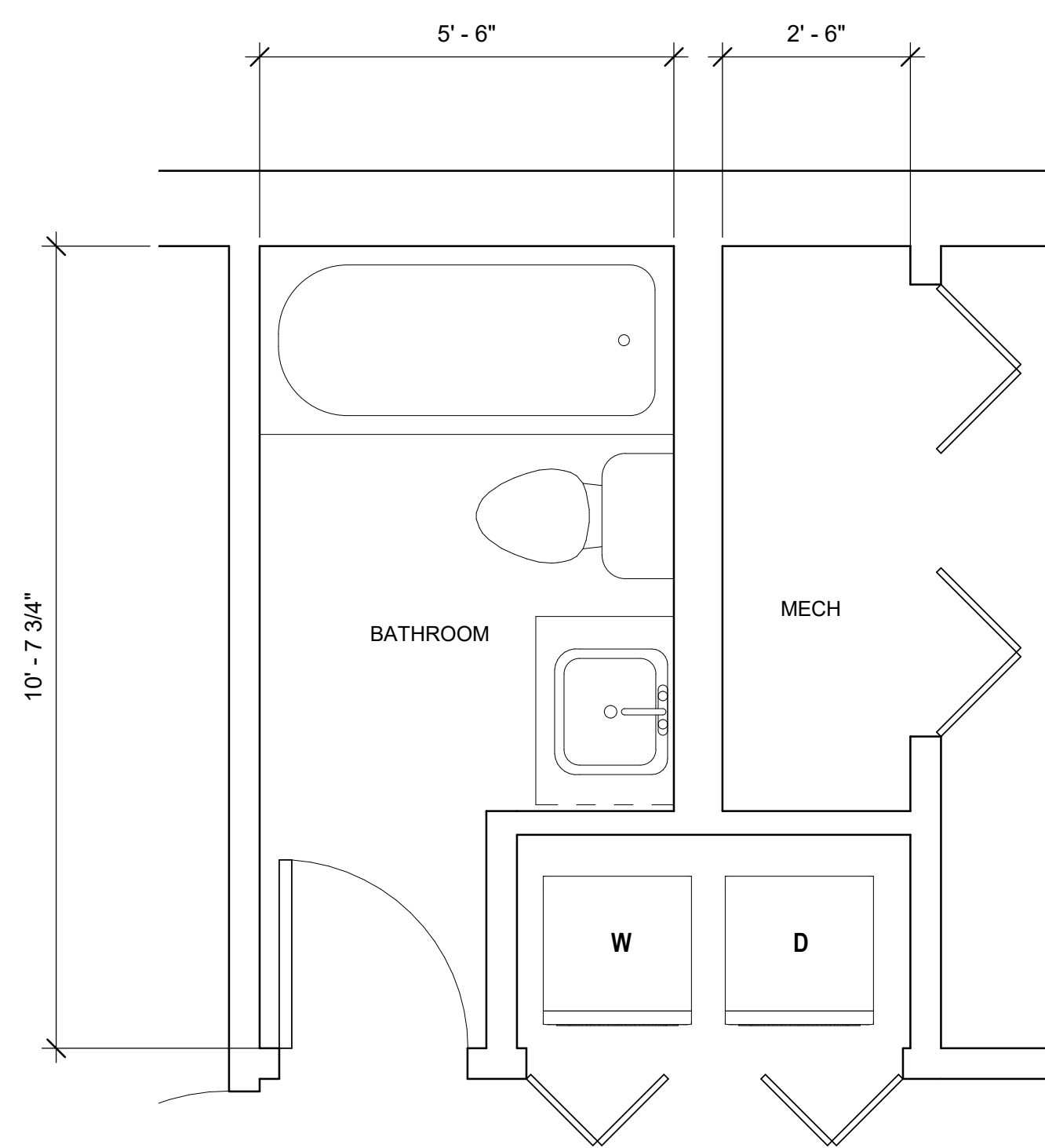
SH. No. ___ OF ___ DWG. G-001

APPROVED BY	DATE	SPONSOR	DATE	MAINTENANCE ENG. OFF.	DATE	ENVIRONMENTAL MANAGEMENT	DATE	SAFETY	DATE	SHED - NIST FIRE MARSHAL/AHJ	DATE	FACILITIES ENGR. OFF.	DATE	PROJECT LEADER	DATE	TT	02/04/22	RS/SG	02/04/22	21042
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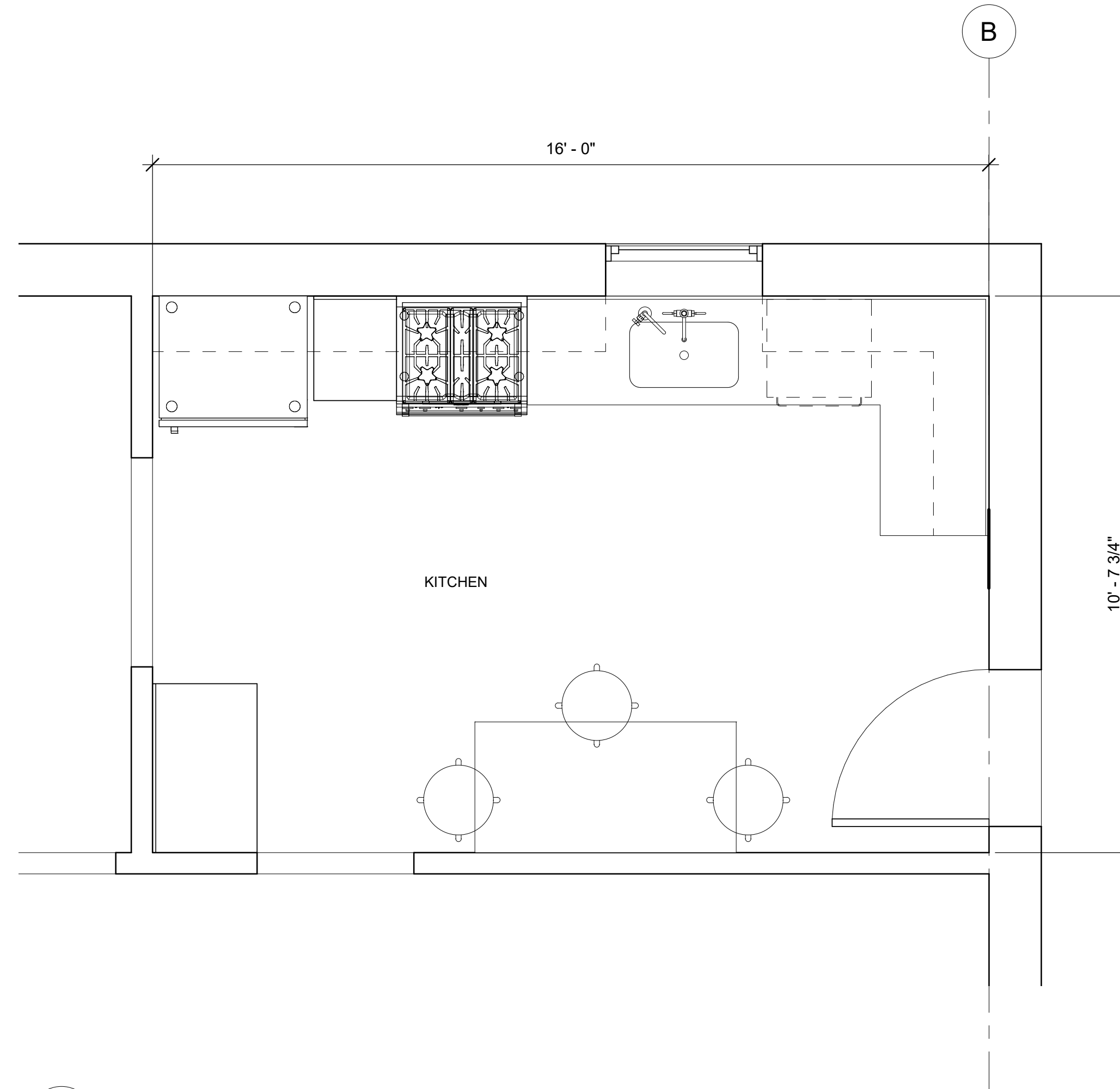


21 FIRST FLOOR PLAN
A-101 1/4" = 1'-0"

Plumbing Fixture Schedule		
Family and Type	Count	Room Name
LSV_Sink_1A: 25"W x 15"D	1	KITCHEN



31 FIRST FLOOR PLAN RESTROOM LAYOUT
A-101 1/2" = 1'-0"



32 FIRST FLOOR PLAN KITCHEN LAYOUT
A-101 1/2" = 1'-0"

NIST

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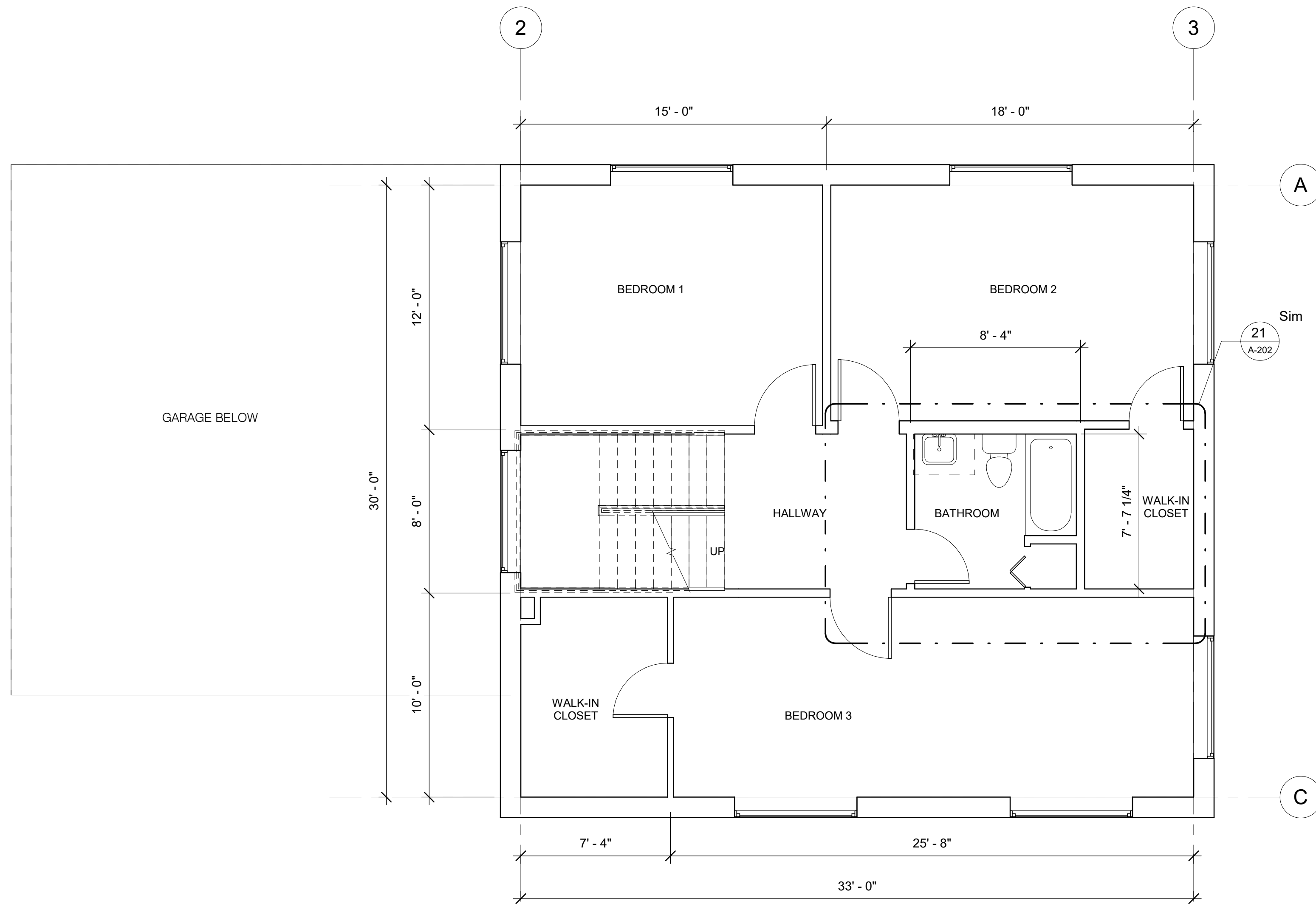
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NIST STD. BLDG. PLUMBING SYSTEM MODELS

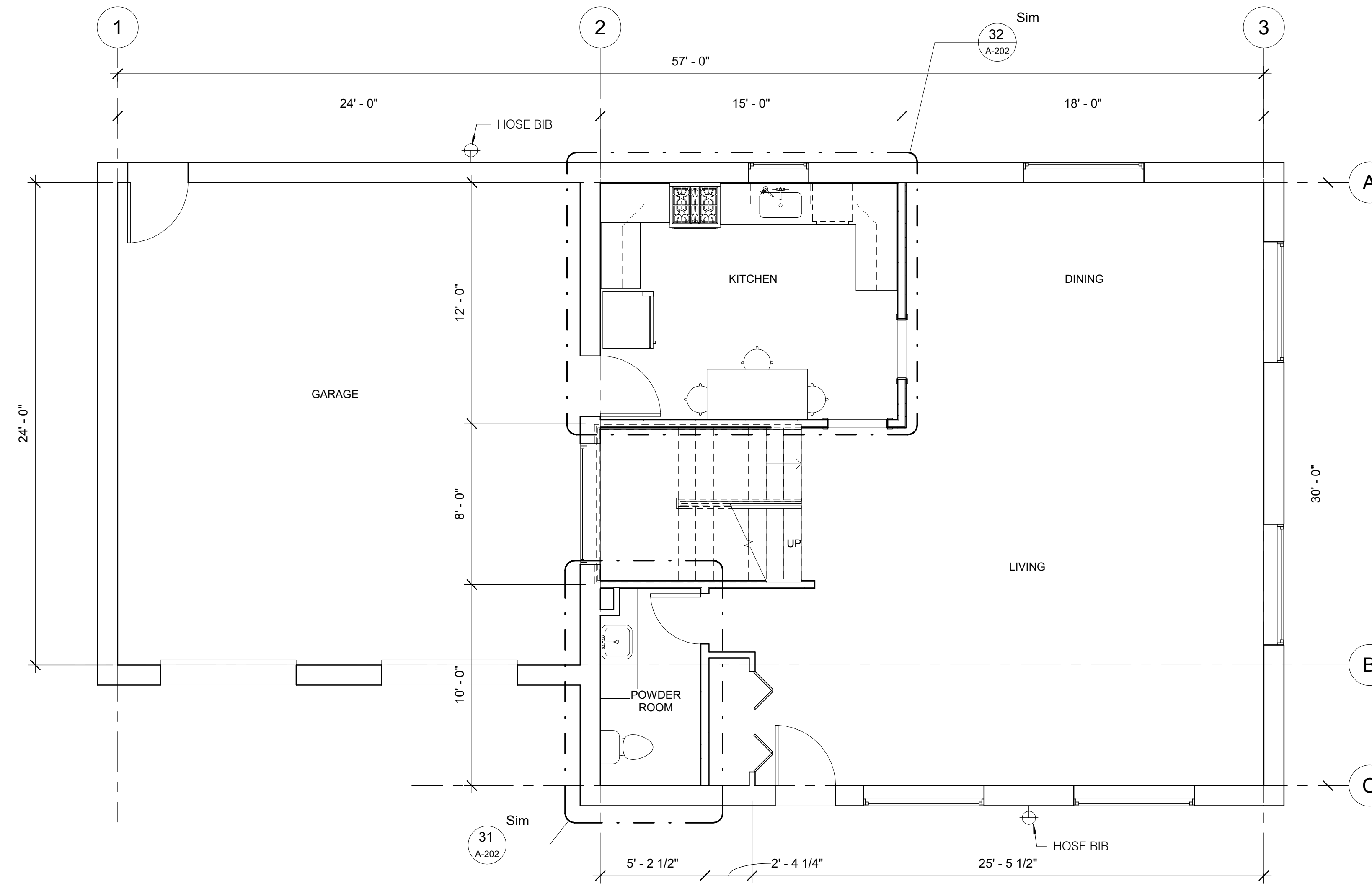
NEW WORK PLAN -
SINGLE FAMILY
DETACHED HOME_SINGLE
STORY

A-101

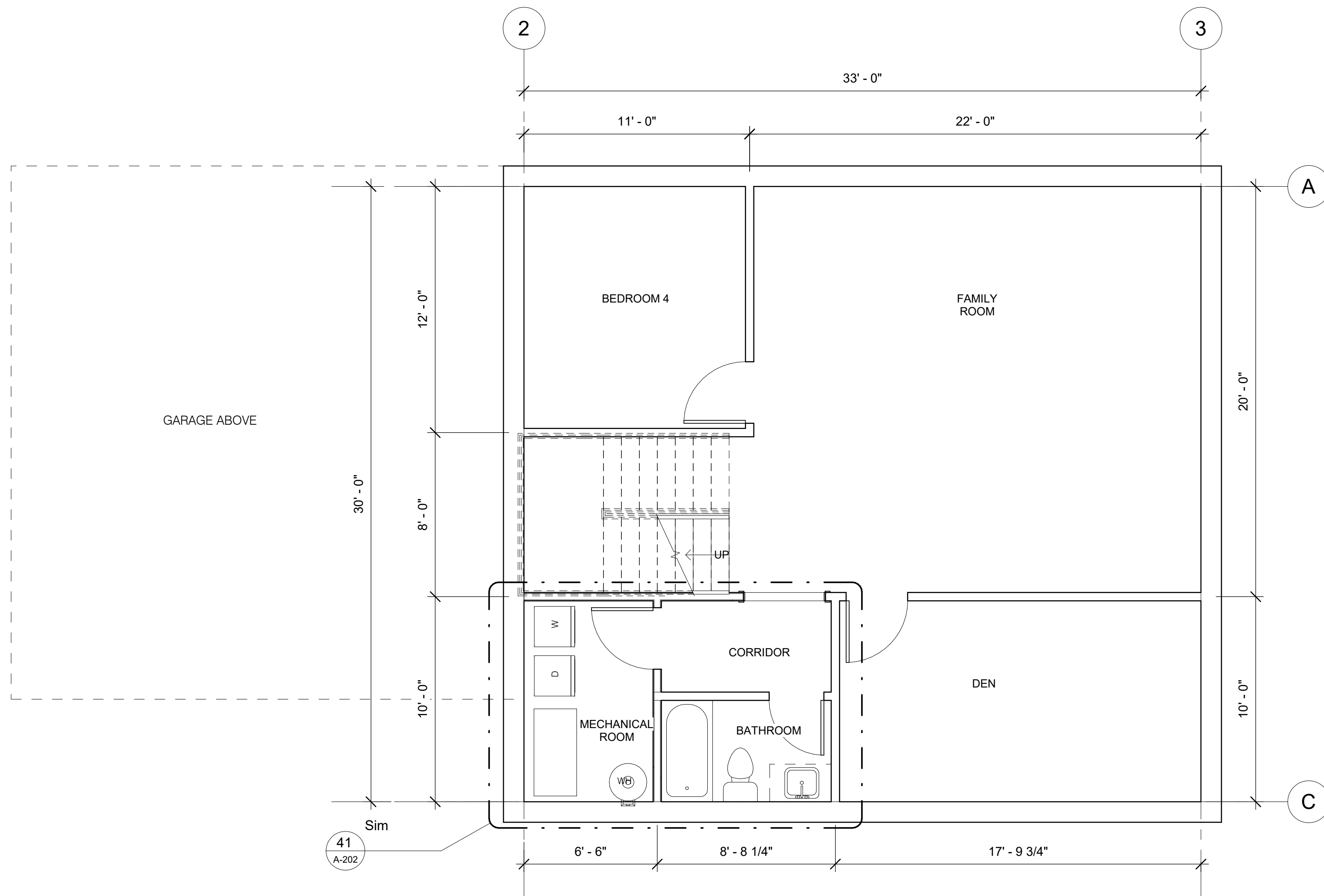
SH. No. ___ OF ___ DWG. A-101



21 SECOND FLOOR PLAN
A-201 1/4" = 1'-0"



23 FIRST FLOOR PLAN
A-201 1/4" = 1'-0"



31 BASEMENT PLAN
A-201 1/4" = 1'-0"

ROOM AREA SCHEDULE	
ROOM NAME	AREA
Not Placed	
WALK-IN CLOSET	Not Placed
WALK-IN CLOSET	Not Placed
BASEMENT PLAN	
BATHROOM	41 SF
BEDROOM 4	127 SF
CORRIDOR	37 SF
DEN	173 SF
FAMILY ROOM	517 SF
MECHANICAL ROOM	62 SF
FIRST FLOOR PLAN	
DINING	214 SF
GARAGE	562 SF
KITCHEN	175 SF
LIVING	518 SF
POWDER ROOM	48 SF
SECOND FLOOR PLAN	
BATHROOM	54 SF
BEDROOM 1	175 SF
BEDROOM 2	206 SF
BEDROOM 3	250 SF
HALLWAY	144 SF
WALK-IN CLOSET	42 SF
WALK-IN CLOSET	69 SF
3RD FLR.	
BATHROOM	54 SF
BEDROOM 1	175 SF
BEDROOM 2	206 SF
BEDROOM 3	322 SF
HALLWAY	144 SF
WALK-IN CLOSET	42 SF
4TH FLR.	
BATHROOM	54 SF
BEDROOM 1	175 SF
BEDROOM 2	206 SF
BEDROOM 3	322 SF
HALLWAY	144 SF
WALK-IN CLOSET	42 SF

Plumbing Fixture Schedule		
Family and Type	Count	Room: Name

FIRST FLOOR PLAN		
LSY Sink-1A: 25"W x 15"D	1	KITCHEN
Sink Vanity-Square: 20" x 18"	1	POWDER ROOM
Toilet-Domestic-3D1: Toilet-Domestic-3D	1	POWDER ROOM
Tub-Rectangular-3D: Tub-Rectangular-3D	1	LIVING

REVISION	DESCRIPTION	BY	DATE

NIST

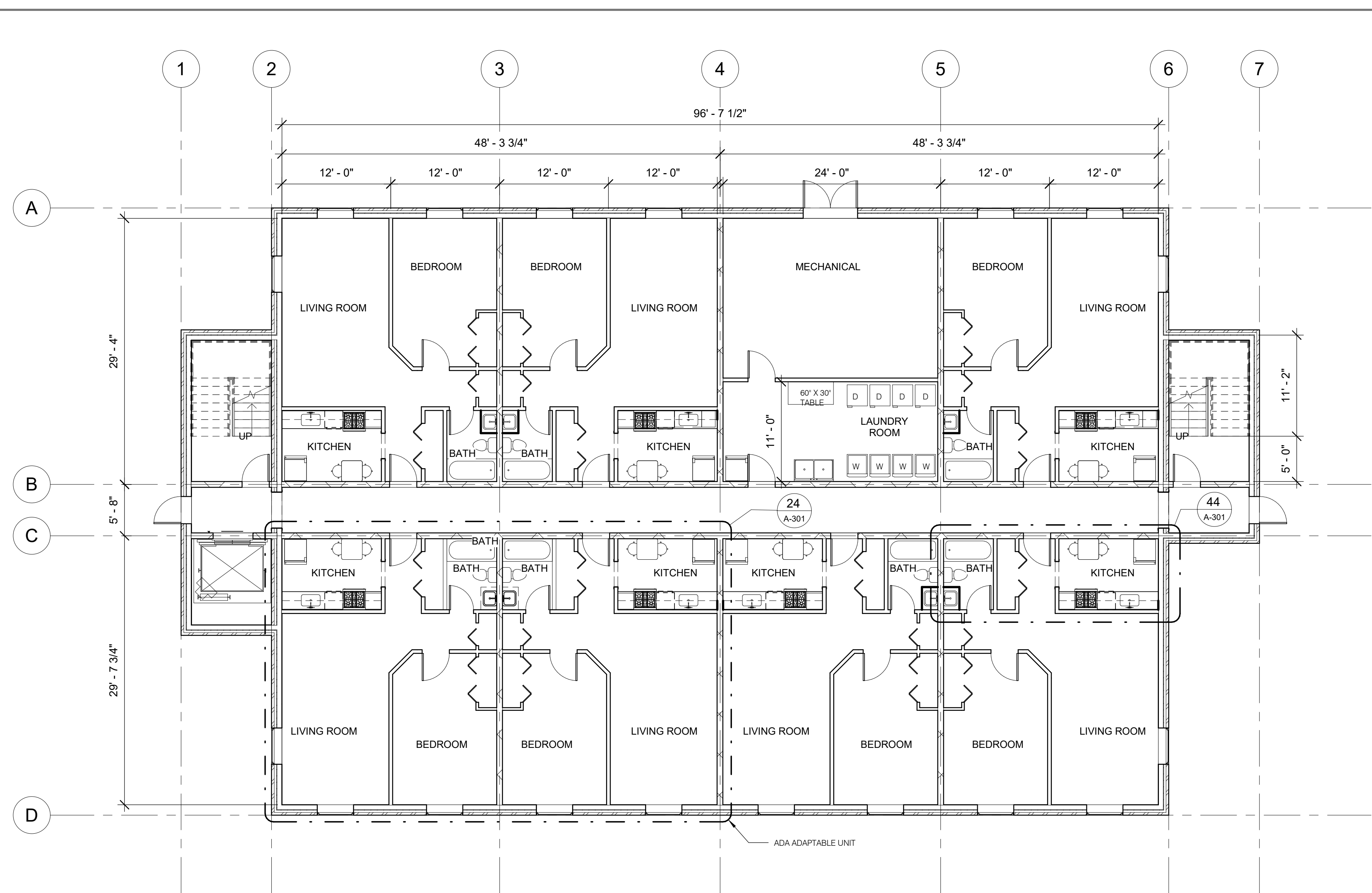
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NIST STD. BLDG. PLUMBING SYSTEM MODELS

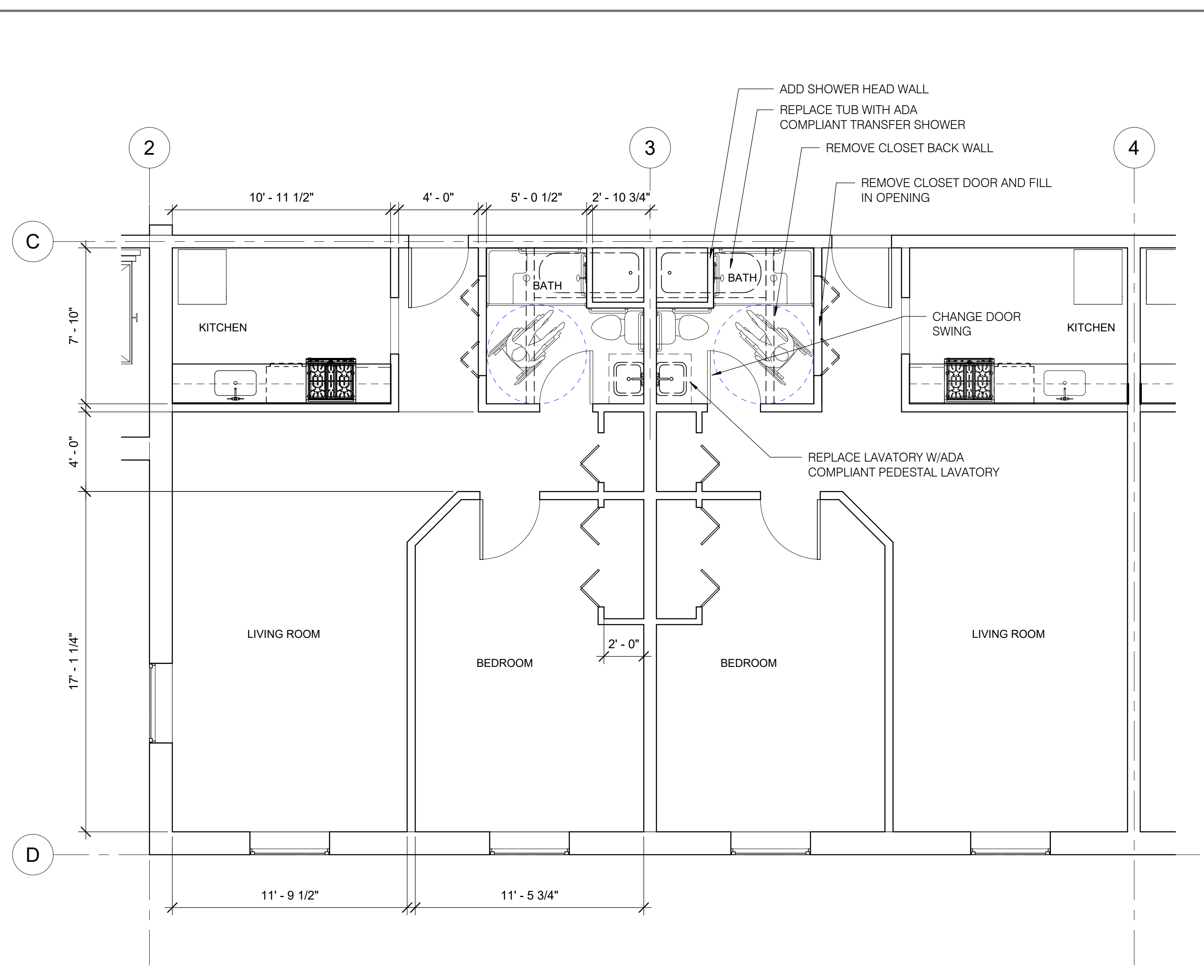
NEW WORK PLAN -
SINGLE FAMILY
DETACHED HOME_MULTII
STORY

A-201

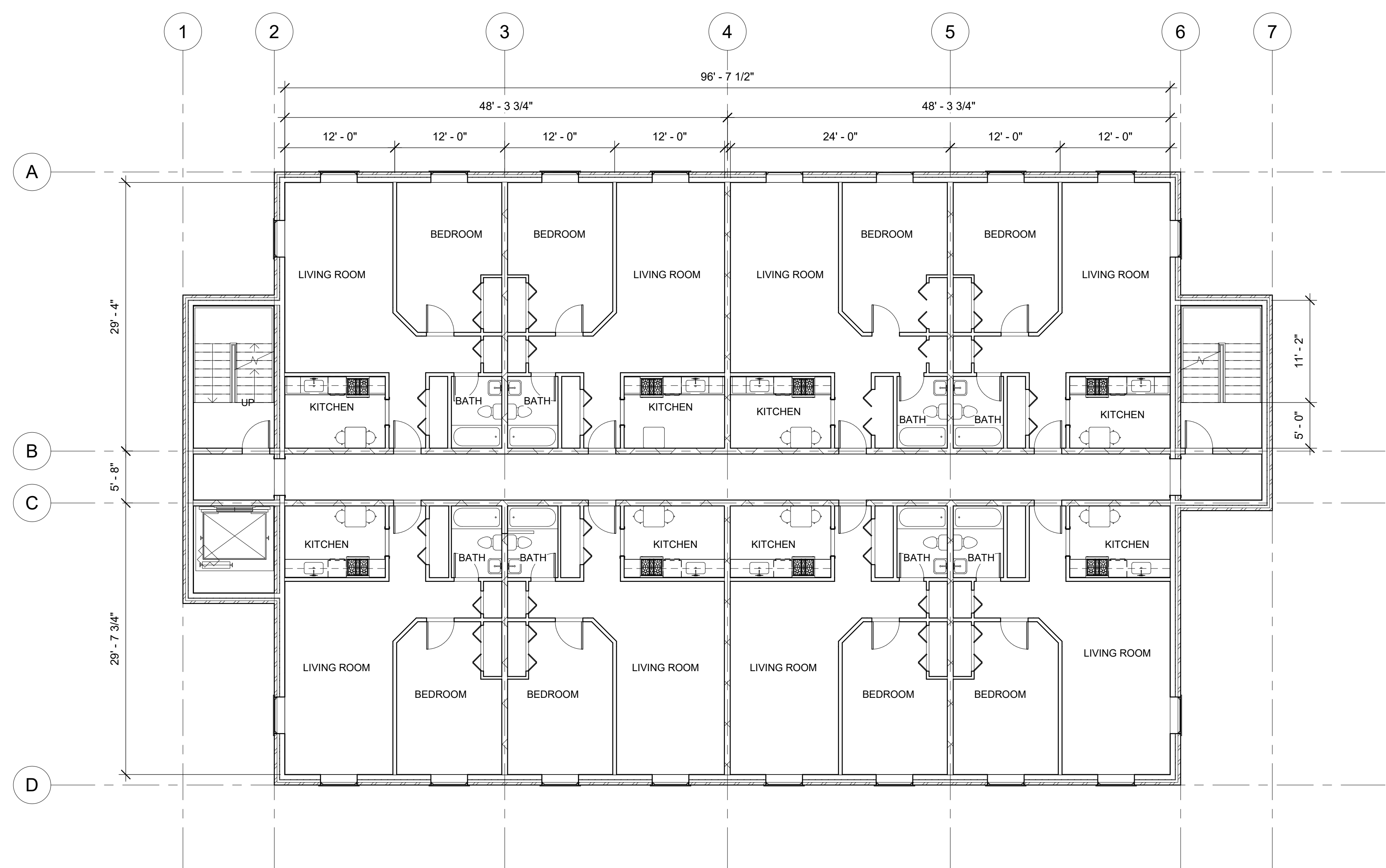
SH. NO. ___ OF ___ DWG. A-201



21 FIRST FLOOR PLAN
A-301 1/8" = 1'-0"



24 ADA ADAPTABLE UNIT LAYOUT
A-301 1/4" = 1'-0"

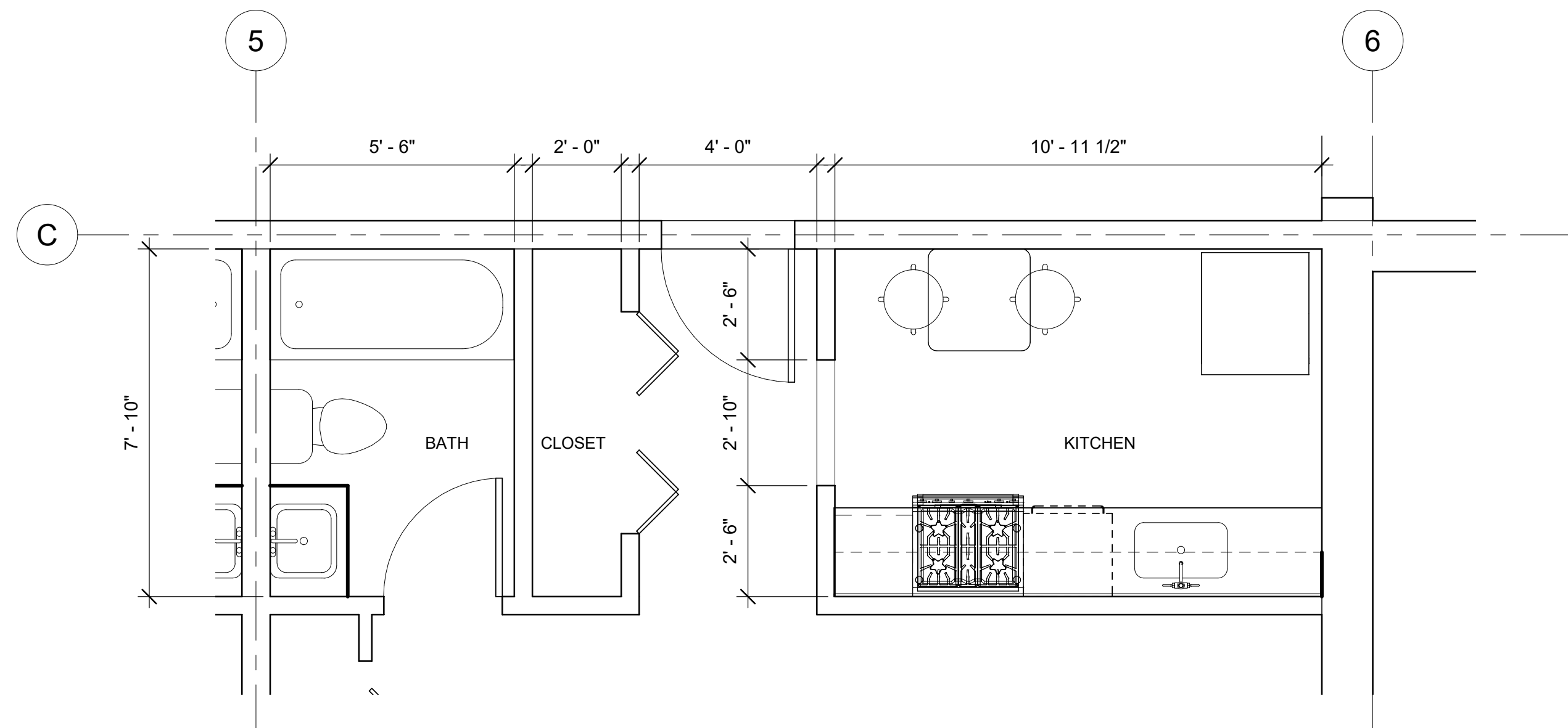


41 SECOND FLOOR PLAN
A-301 1/8" = 1'-0"

GENERAL NOTES FOR ADAPTABLE UNIT CONVERSION:

- A. THE FIRST FLOOR TWO UNITS ARE CONSTRUCTED W/CONSIDERATION FOR FUTURE ADA ADAPTABILITY. MINIMAL CHANGES TO THE CONSTRUCTION TO BE UNDERTAKEN FOR THE CONVERSION. NO MAJOR DEMOLITION SHOULD BE NECESSARY.
- B. WOOD BLOCKING TO BE PRE INSTALLED IN THE WALLS OF THE BATHROOM FOR FUTURE INSTALLATION OF GRAB BARS, ETC.
- C. BATHROOM FIXTURES, AS THE LAVATORY AND BATH TUB IS TO BE REPLACED WITH ADA COMPLIANT UNITS FOR THE CONVERSION.

Plumbing Fixture Schedule		
Family and Type	Count	Room: Name
FIRST FLOOR PLAN		
2-COMPARTMENT SINK: 2-COMPARTMENT SINK 3	1	LAUNDRY ROOM
LSY Sink, 1A: 25"W x 15"D	8	KITCHEN
Tub-Rectangular-3D: Tub-Rectangular-3D	1	LAUNDRY ROOM
SECOND FLOOR PLAN		
LSY Sink, 1A: 25"W x 15"D	8	KITCHEN
THIRD FLOOR PLAN		
LSY Sink, 1A: 25"W x 15"D	8	KITCHEN
FOURTH FLOOR PLAN		
LSY Sink, 1A: 25"W x 15"D	8	KITCHEN



44 KITCHEN AND RESTROOM LAYOUT (TYPICAL)
A-301 3/8" = 1'-0"

REVISION	DESCRIPTION	BY	DATE

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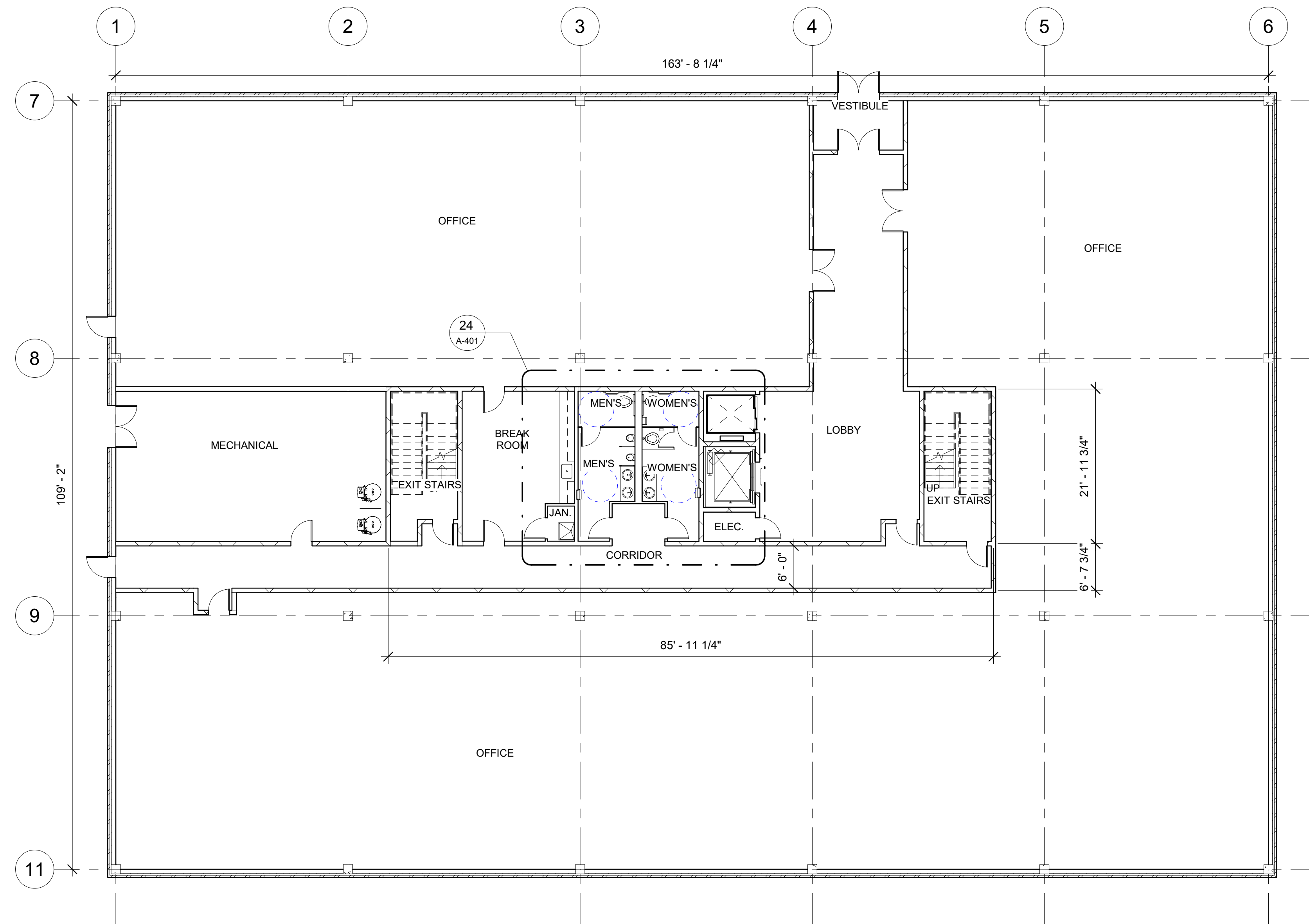
NEW WORK FLOOR
PLAN-MID RISE
APARTMENT

A-301

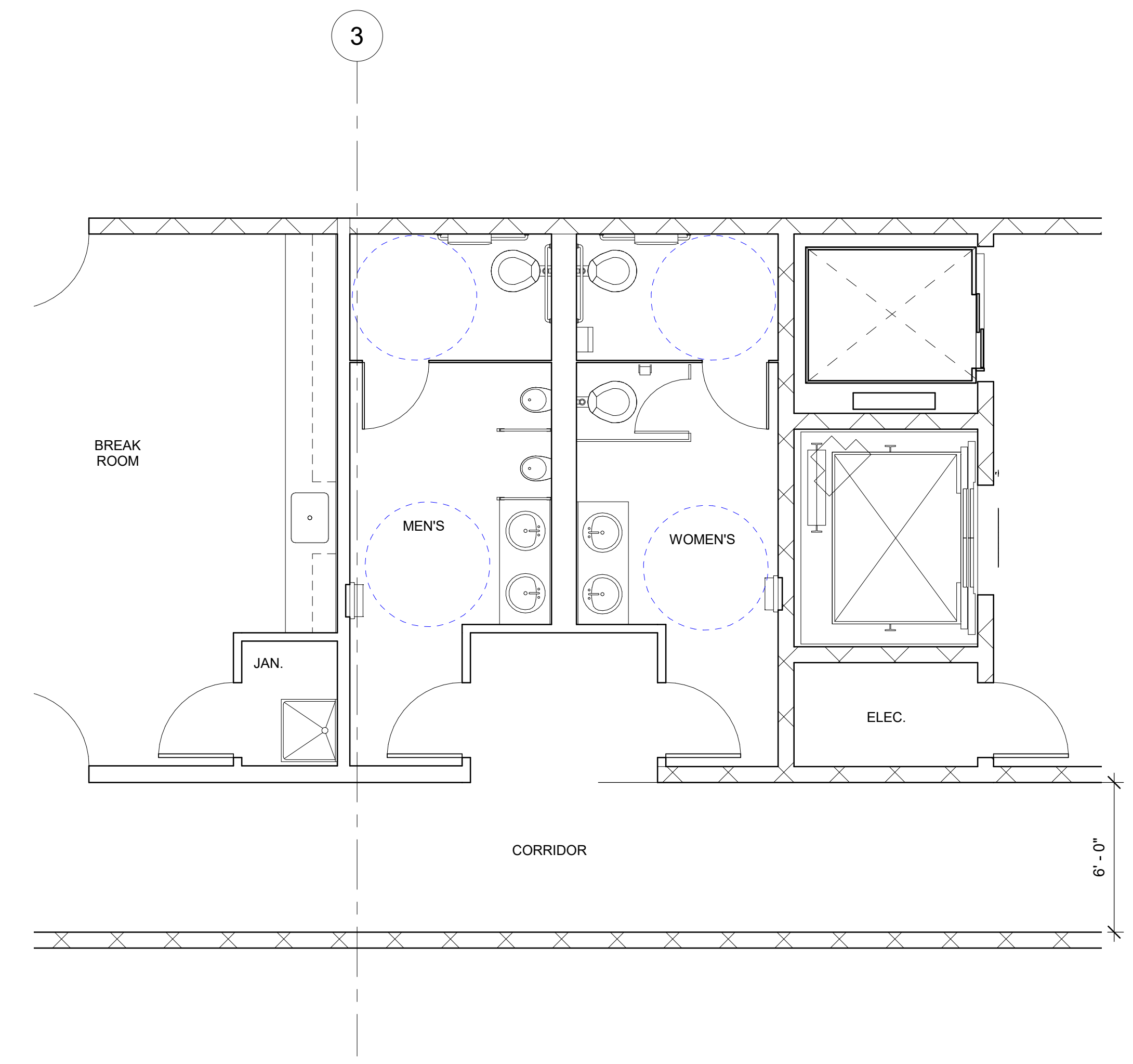
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SH. NO. ___ OF ___ DWG. A-301

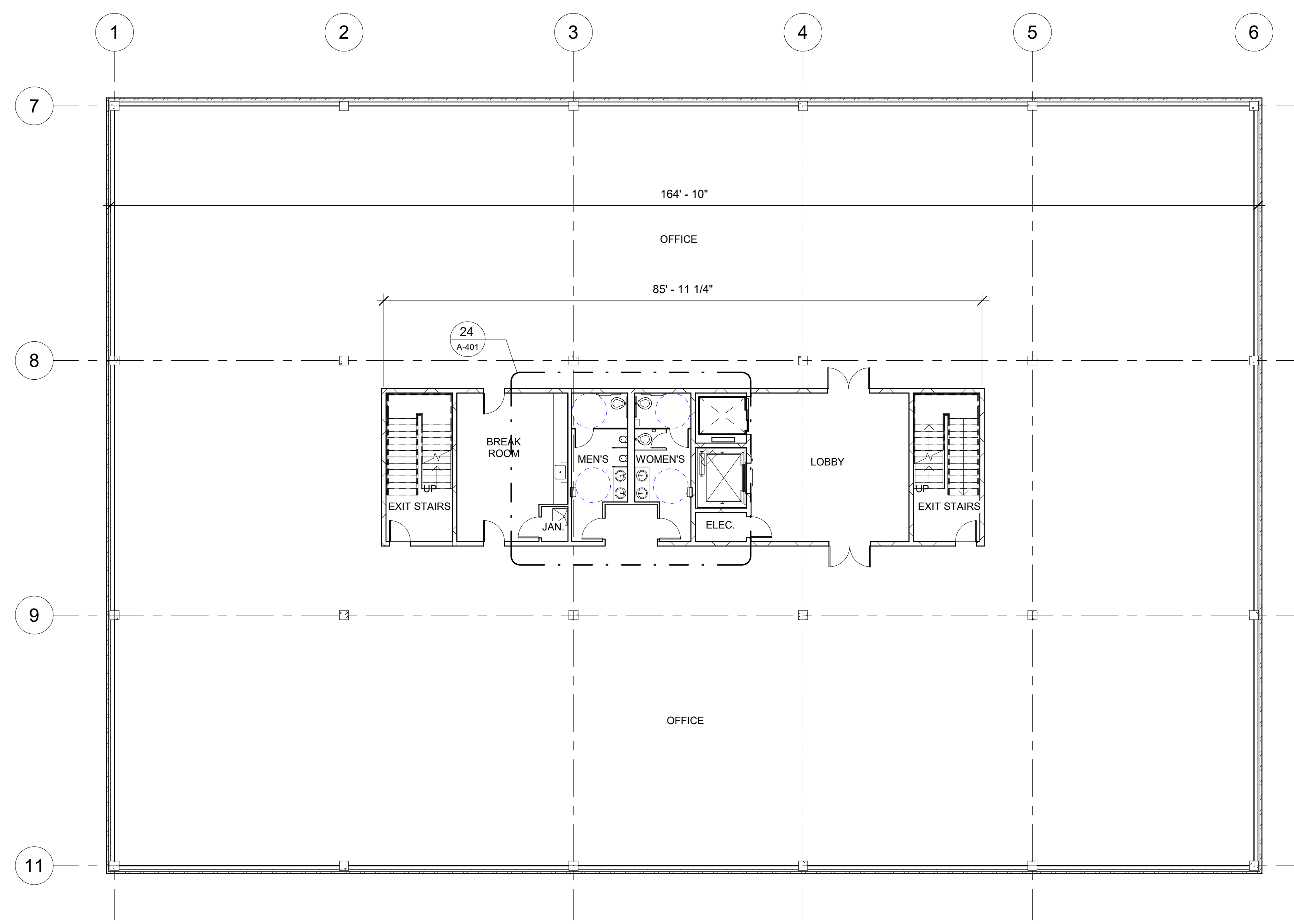
REVISION	DESCRIPTION	BY	DATE
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21 FIRST FLOOR PLAN
A-401 3/32" = 1'-0"

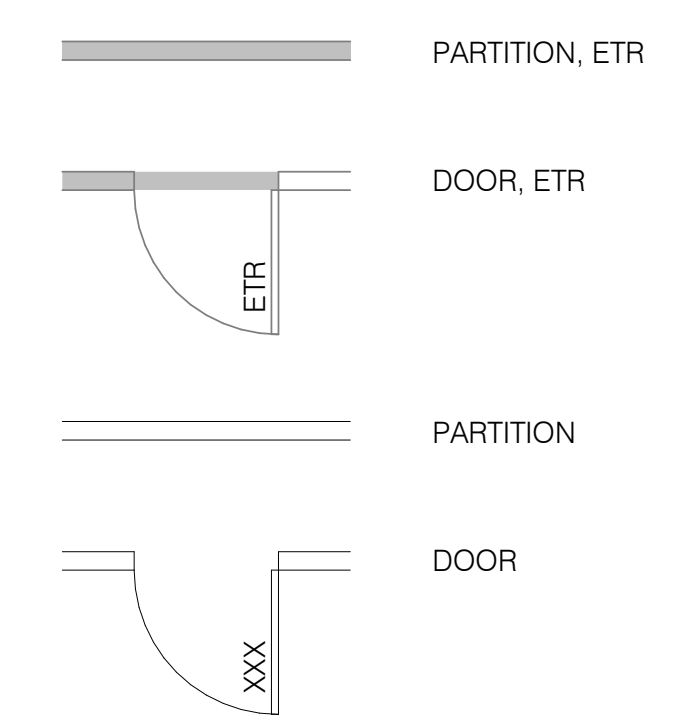


24 ENLARGED RESTROOM LAYOUT
A-401 1/4" = 1'-0"



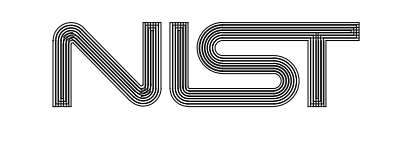
41 SECOND AND THIRD FLOOR PLAN (TYPICAL)
A-401 3/32" = 1'-0"

NEW WORK LEGEND:



Plumbing Fixture Schedule		
Family and Type	Count	Room: Name
1ST FLR.		
LSY_Sink Lab: 24" x 18" x 10"	1	BREAK ROOM
Sink-Mop: Sink-Mop-	1	JAN.
2ND FLR.		
LSY_Sink Lab: 24" x 18" x 10"	1	BREAK ROOM
Sink-Mop: Sink-Mop-	1	JAN.
3RD FLR.		
LSY_Sink Lab: 24" x 18" x 10"	1	BREAK ROOM
Sink-Mop: Sink-Mop-	1	JAN.

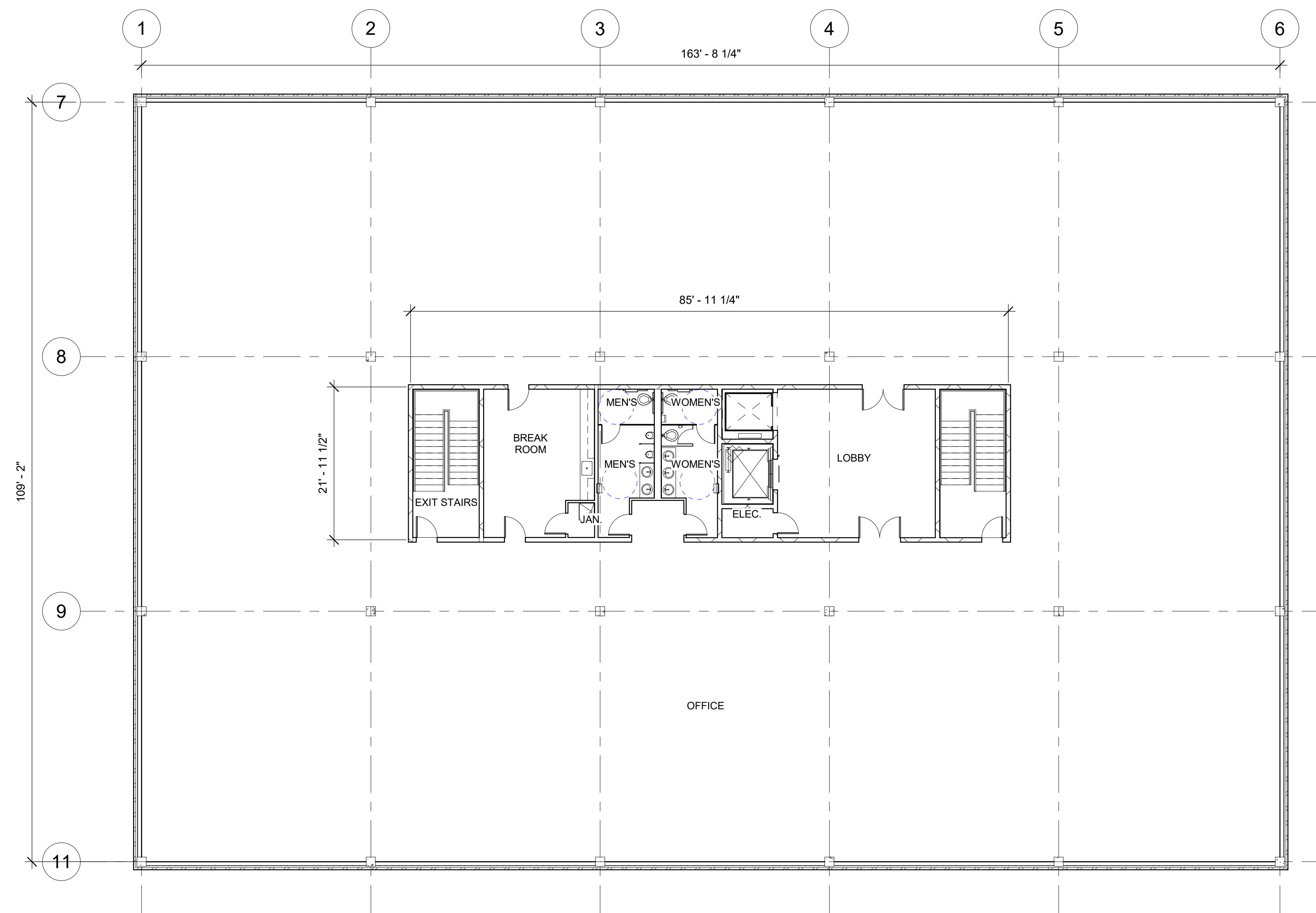
ROOM AREA SCHEDULE	
ROOM NAME	AREA
BREAK ROOM	318 SF
BREAK ROOM	318 SF
BREAK ROOM	318 SF
CORRIDOR	837 SF
ELEC.	31 SF
ELEC.	31 SF
ELEC.	31 SF
EXIT STAIRS	186 SF
EXIT STAIRS	204 SF
EXIT STAIRS	203 SF
EXIT STAIRS	204 SF
EXIT STAIRS	203 SF
JAN.	19 SF
JAN.	19 SF
JAN.	19 SF
LOBBY	950 SF
LOBBY	541 SF
LOBBY	541 SF
MECHANICAL	818 SF
MENS	110 SF
MENS	110 SF
MENS	41 SF
MENS	41 SF
MENS	110 SF
MENS	41 SF
OFFICE	3992 SF
OFFICE	9611 SF
OFFICE	15930 SF
OFFICE	15930 SF
VESTIBULE	89 SF
WOMENS	111 SF
WOMENS	111 SF
WOMENS	41 SF
WOMENS	41 SF
WOMENS	111 SF
WOMENS	41 SF



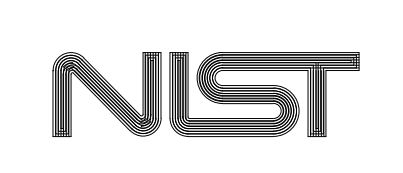
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NIST STD. BLDG. PLUMBING SYSTEM MODELS
NEW WORK FLOOR PLAN
- MEDIUM OFFICE

A-401

REVISION	DESCRIPTION	BY	DATE



21 THIRD FLOOR PLAN
A-402 3/32" = 1'-0"



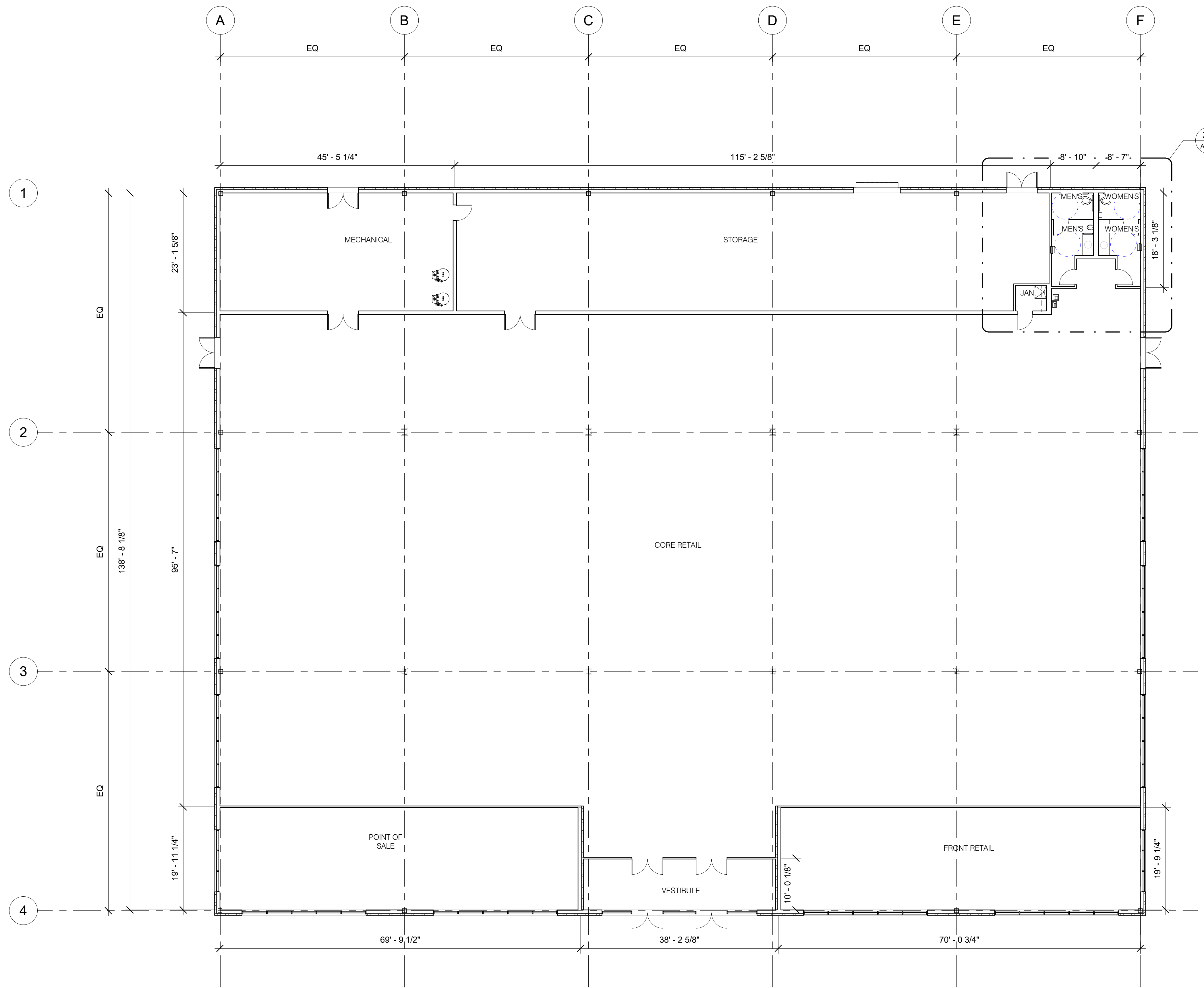
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 NIST STD. BLDG. PLUMBING SYSTEM MODELS
 NEW WORK FLOOR PLAN
 - MEDIUM OFFICE

A-402

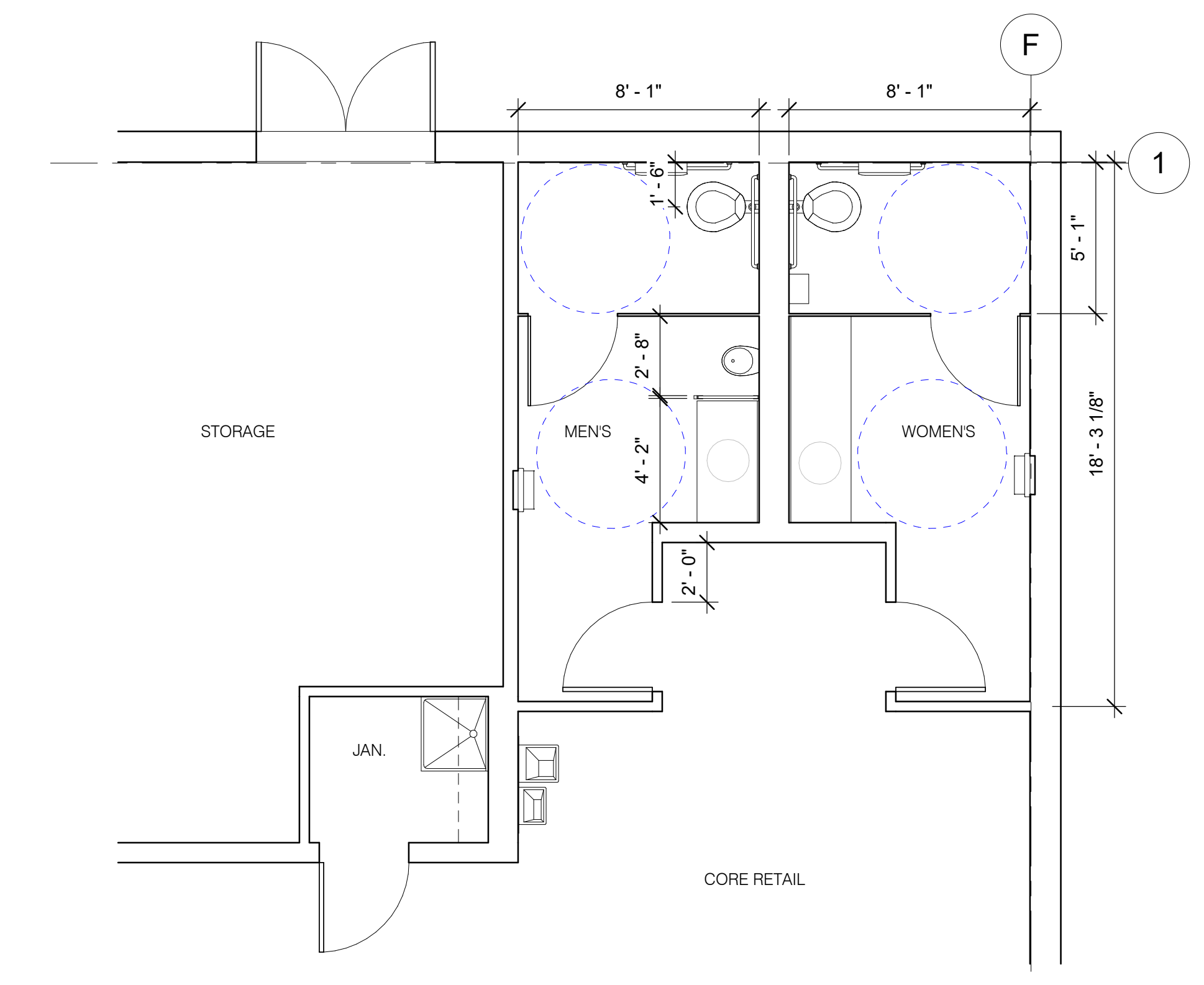
APPROVED BY	DATE	SPONSOR	DATE	MAINTENANCE ENGR. OFF.	DATE	ENVIRONMENTAL MANAGEMENT	DATE	SAFETY	DATE	SHED - NIST FIRE MARSHAL/AHJ	DATE	FACILITIES ENGR. OFF.	DATE	PROJECT LEADER	DATE	TT	02/04/22	RS	02/04/22	21042

SH. No. OF DWG. A-402

REVISION	DESCRIPTION	BY	DATE

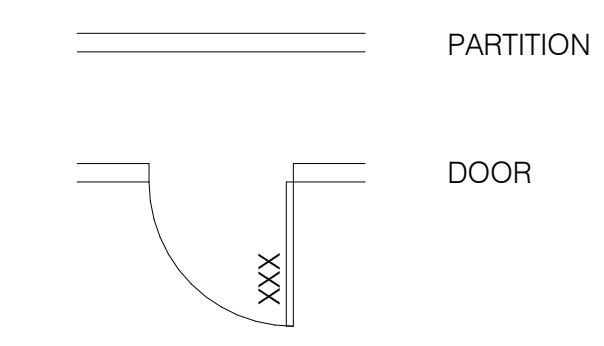


31 FIRST FLOOR PLAN
A-501 3/32" = 1'-0"



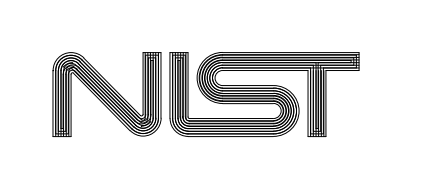
24 RESTROOM LAYOUT
A-501 1/4" = 1'-0"

NEW WORK LEGEND:

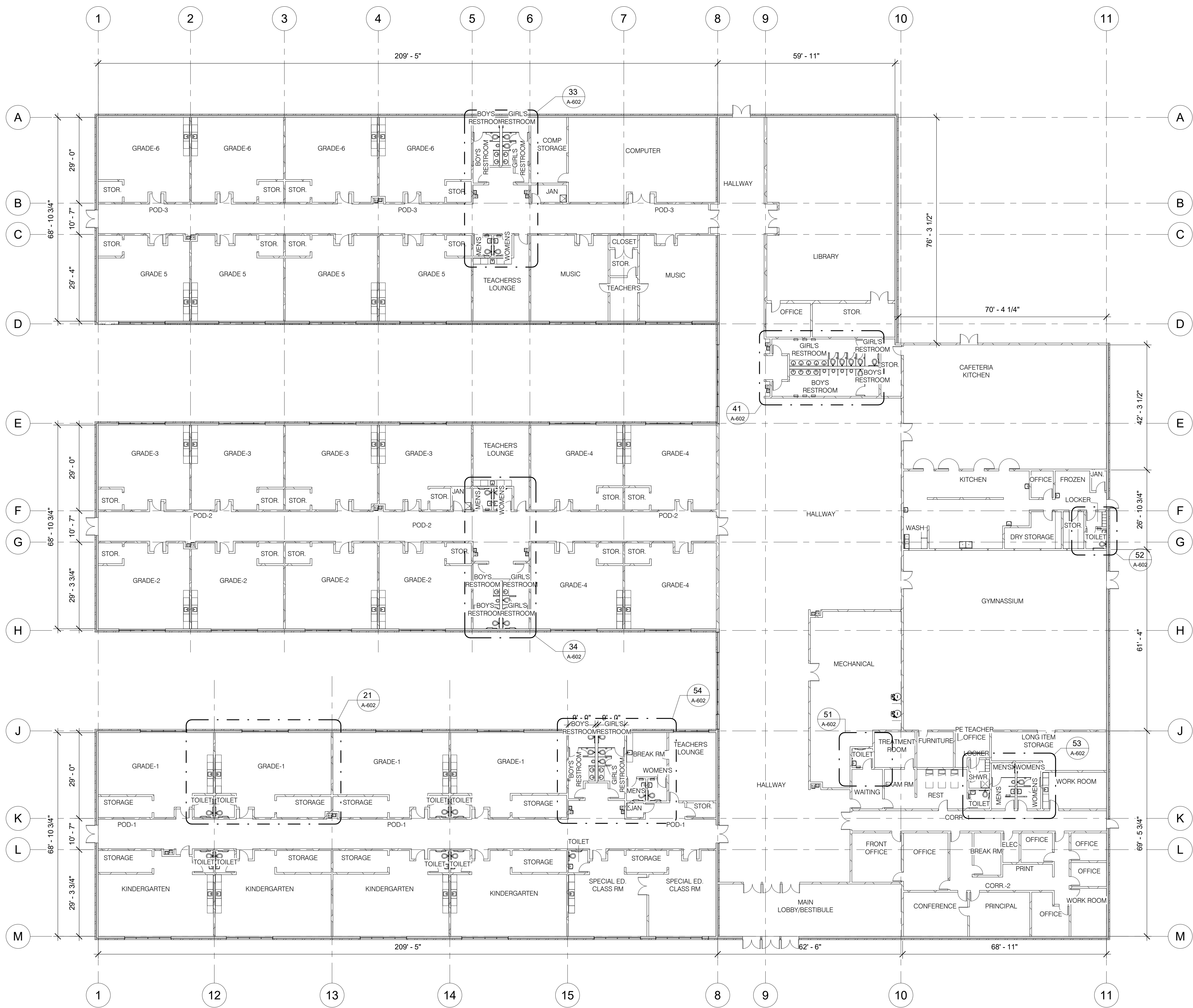


ROOM AREA SCHEDULE	
ROOM NAME	AREA
CORE RETAIL	17415 SF
FRONT RETAIL	1375 SF
JAN.	29 SF
MECHANICAL	1030 SF
MENS	83 SF
MENS	41 SF
POINT OF SALE	1370 SF
STORAGE	2581 SF
VESTIBULE	366 SF
WOMENS	83 SF
WOMENS	41 SF

Plumbing Fixture Schedule		
Family and Type	Count	Room: Name
Drinking Fountain-Hi-Lo-3D: Drinking Fountain-Hi-Lo-3D	1	CORE RETAIL
Sink-Mop: Sink-Mop-	1	JAN.



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NIST STD. BLDG. PLUMBING SYSTEM MODELS
NEW WORK FLOOR PLAN - STAND ALONE RETAIL

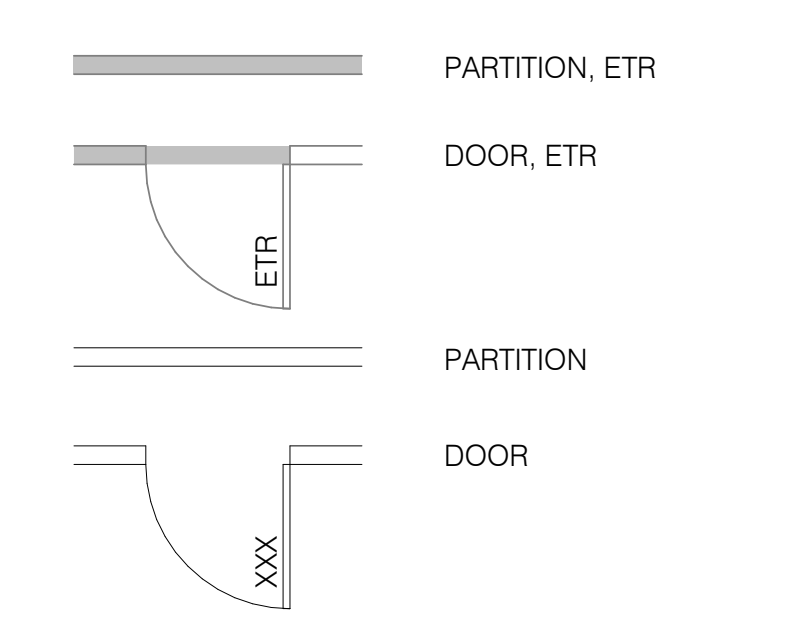


1 FIRST FLOOR PLAN
 A-601
 1/16" = 1'-0"

ROOM FINISH SCHEDULE		ROOM FINISH SCHEDULE	
ROOM NAME	AREA	ROOM NAME	AREA
BOYS' RESTROOM	131 SF	MUSIC	736 SF
BOYS' RESTROOM	263 SF	OFFICE	292 SF
BOYS' RESTROOM	127 SF	OFFICE	97 SF
BOYS' RESTROOM	127 SF	OFFICE	113 SF
BOYS' RESTROOM	46 SF	OFFICE	106 SF
BOYS' RESTROOM	45 SF	OFFICE	68 SF
BOYS' RESTROOM	45 SF	OFFICE	162 SF
BOYS' RESTROOM	44 SF	OFFICE	172 SF
BREAK RM	130 SF	PE TEACHER OFFICE	115 SF
BREAK RM	204 SF	POD-1	2513 SF
CAFETERIA KITCHEN	2880 SF	POD-2	2485 SF
CLOSET	39 SF	POD-3	2450 SF
COMP STORAGE	268 SF	PRINCIPAL	304 SF
COMPUTER	1396 SF	PRINT	72 SF
CONFERENCE	323 SF	REST	227 SF
CORR.-1	590 SF	SHWR.	35 SF
CORR.-2	391 SF	SPECIAL ED. CLASS RM	628 SF
DRY STORAGE	190 SF	SPECIAL ED. CLASS RM	582 SF
ELEC	55 SF	STOR.	49 SF
EXAM RM	141 SF	STOR.	87 SF
FRONT OFFICE	289 SF	STOR.	60 SF
FROZEN	85 SF	STOR.	61 SF
FURNITURE	149 SF	STOR.	62 SF
GIRLS' RESTROOM	131 SF	STOR.	59 SF
GIRLS' RESTROOM	263 SF	STOR.	57 SF
GIRLS' RESTROOM	127 SF	STOR.	59 SF
GIRLS' RESTROOM	127 SF	STOR.	59 SF
GIRLS' RESTROOM	46 SF	STOR.	57 SF
GIRLS' RESTROOM	45 SF	STOR.	60 SF
GIRLS' RESTROOM	45 SF	STOR.	61 SF
GIRLS' RESTROOM	44 SF	STOR.	59 SF
GRADE 5	801 SF	STOR.	59 SF
GRADE 5	806 SF	STOR.	59 SF
GRADE 5	810 SF	STOR.	58 SF
GRADE 5	810 SF	STOR.	59 SF
GRADE-1	892 SF	STOR.	65 SF
GRADE-1	898 SF	STOR.	65 SF
GRADE-1	891 SF	STOR.	62 SF
GRADE-1	898 SF	STOR.	51 SF
GRADE-2	806 SF	STOR.	59 SF
GRADE-2	800 SF	STOR.	60 SF
GRADE-2	810 SF	STOR.	319 SF
GRADE-2	810 SF	STOR.	131 SF
GRADE-3	802 SF	STORAGE	138 SF
GRADE-3	797 SF	STORAGE	128 SF
GRADE-3	753 SF	STORAGE	136 SF
GRADE-3	798 SF	STORAGE	126 SF
GRADE-4	810 SF	STORAGE	136 SF
GRADE-4	806 SF	STORAGE	126 SF
GRADE-4	794 SF	STORAGE	136 SF
GRADE-4	799 SF	STORAGE	136 SF
GRADE-6	797 SF	STORAGE	104 SF
GRADE-6	798 SF	TEACHERS	138 SF
GRADE-6	798 SF	TEACHERS LOUNGE	369 SF
GRADE-6	802 SF	TEACHERS LOUNGE	432 SF
GYMNASIUM	4164 SF	TEACHERS LOUNGE	442 SF
HALLWAY	9232 SF	TOILET	49 SF
JAN	28 SF	TOILET	49 SF
JAN	71 SF	TOILET	49 SF
JAN	34 SF	TOILET	49 SF
JAN	47 SF	TOILET	49 SF
KINDERGARTEN	904 SF	TOILET	49 SF
KINDERGARTEN	904 SF	TOILET	49 SF
KINDERGARTEN	904 SF	TOILET	49 SF
KINDERGARTEN	900 SF	TOILET	49 SF
KITCHEN	1096 SF	TOILET	45 SF
LIBRARY	2634 SF	TOILET	45 SF
LOCKER	28 SF	TOILET	48 SF
LOCKER	35 SF	TREATMENT ROOM	165 SF
LONG ITEM STORAGE	451 SF	WAITING	138 SF
MAIN LOBBY/BESTIBULE	1090 SF	WASH	62 SF
MECHANICAL	1525 SF	WOMENS	49 SF
MENS	49 SF	WOMENS	83 SF
MENS	83 SF	WOMENS	43 SF
MENS	44 SF	WOMENS	45 SF
MENS	46 SF	WOMENS	40 SF
MENS	40 SF	WORK ROOM	267 SF
MUSIC	723 SF	WORK ROOM	195 SF

Plumbing Fixture Schedule			
Family and Type	Count	Room Name	
2-COMPARTMENT SINK; 2 COMPARTMENT SINK 3	1	KITCHEN	
3-COMPARTMENT SINK; 3 COMPARTMENT SINK	1	WASH	
Drinking Fountain-Hi-Lo-3D: Drinking Fountain-Hi-Lo-3D	4	HALLWAY	
Drinking Fountain-Hi-Lo-3D: Drinking Fountain-Hi-Lo-3D	4	POD-1	
Drinking Fountain-Hi-Lo-3D: Drinking Fountain-Hi-Lo-3D	4	POD-2	
Drinking Fountain-Hi-Lo-3D: Drinking Fountain-Hi-Lo-3D	4	POD-3	
FB_plumb_sink_ss_casework: CS140	1	BREAK RM	
Kohler ADA sink: Kohler ADA sink	4	KITCHEN	
Shower%20Base-3D: 36" x 36"	1	SHWR.	
Sink Kitchen-Island: 18' x 18'	4	GRADE 5	
Sink Kitchen-Island: 18' x 18'	4	GRADE-1	
Sink Kitchen-Island: 18' x 18'	4	GRADE-2	
Sink Kitchen-Island: 18' x 18'	4	GRADE-3	
Sink Kitchen-Island: 18' x 18'	4	GRADE-4	
Sink Kitchen-Island: 18' x 18'	4	GRADE-6	
Sink Kitchen-Island: 18' x 18'	4	KINDERGARTEN	
Sink Kitchen-Island: 18' x 18'	1	SPECIAL ED. CLASS RM	
Sink Kitchen-Island: 18' x 18'	1	TEACHERS LOUNGE	
Sink Kitchen-Island: 18' x 18'	1	TEACHERS LOUNGE	
Sink Kitchen-Island: 18' x 18'	1	WORK ROOM	
Sink-Mop: Sink-Mop	2	JAN	
Sink-Mop: Sink-Mop	2	JAN	

NEW WORK LEGEND:



REVISION	DESCRIPTION	BY	DATE

NIST

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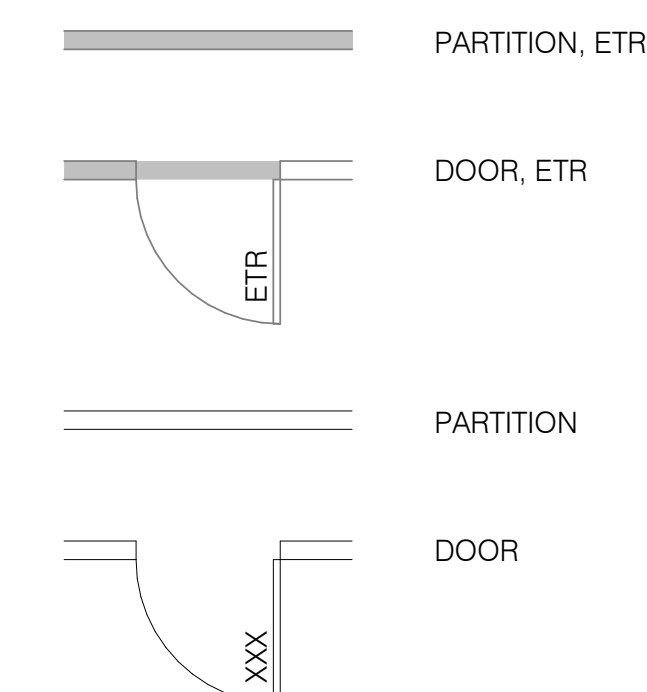
NIST STD. BLDG. PLUMBING SYSTEM MODELS

NEW WORK PLAN -
PRIMARY SCHOOL

A-601

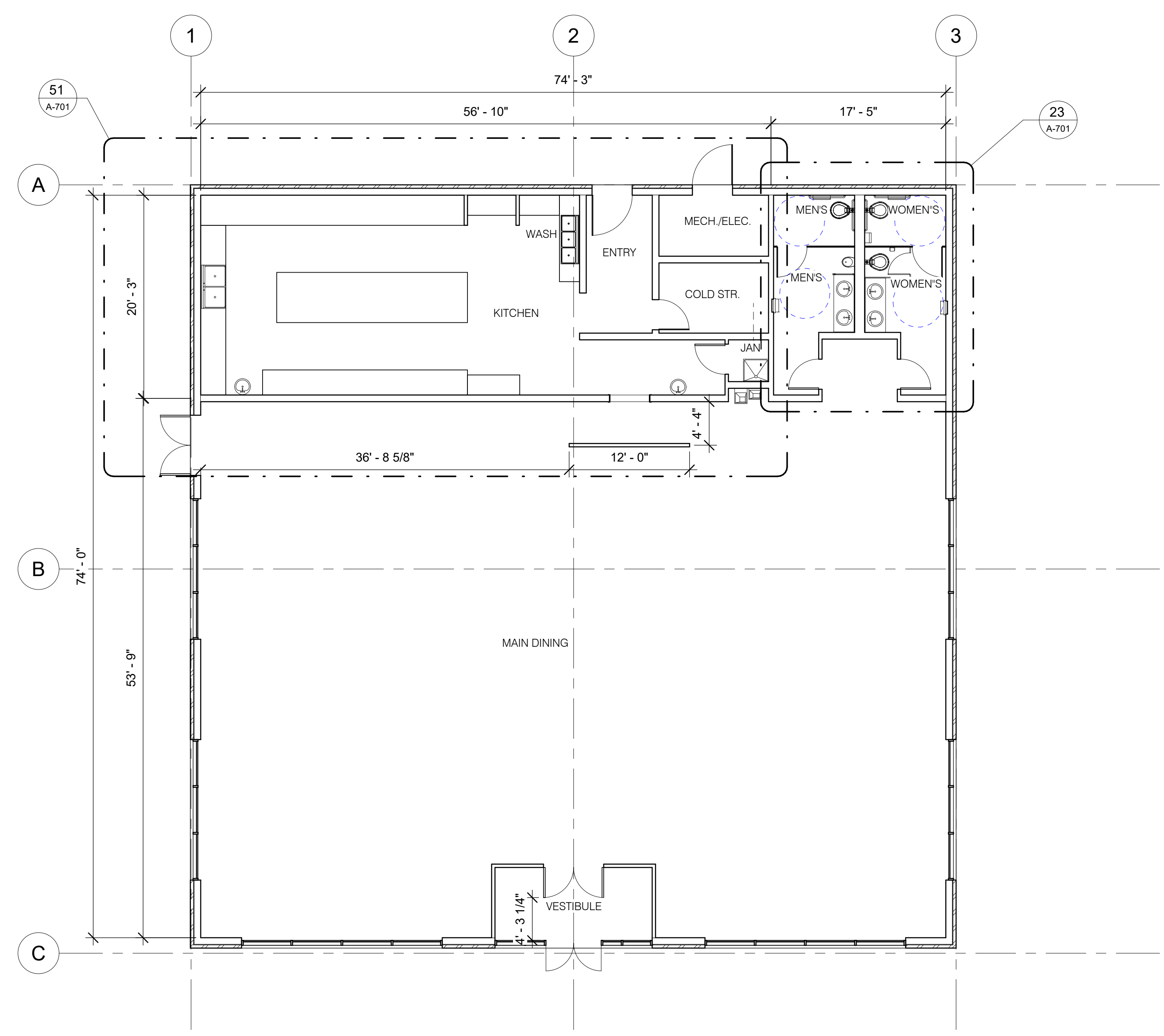
SH. No. ___ OF ___ DWG. A-601

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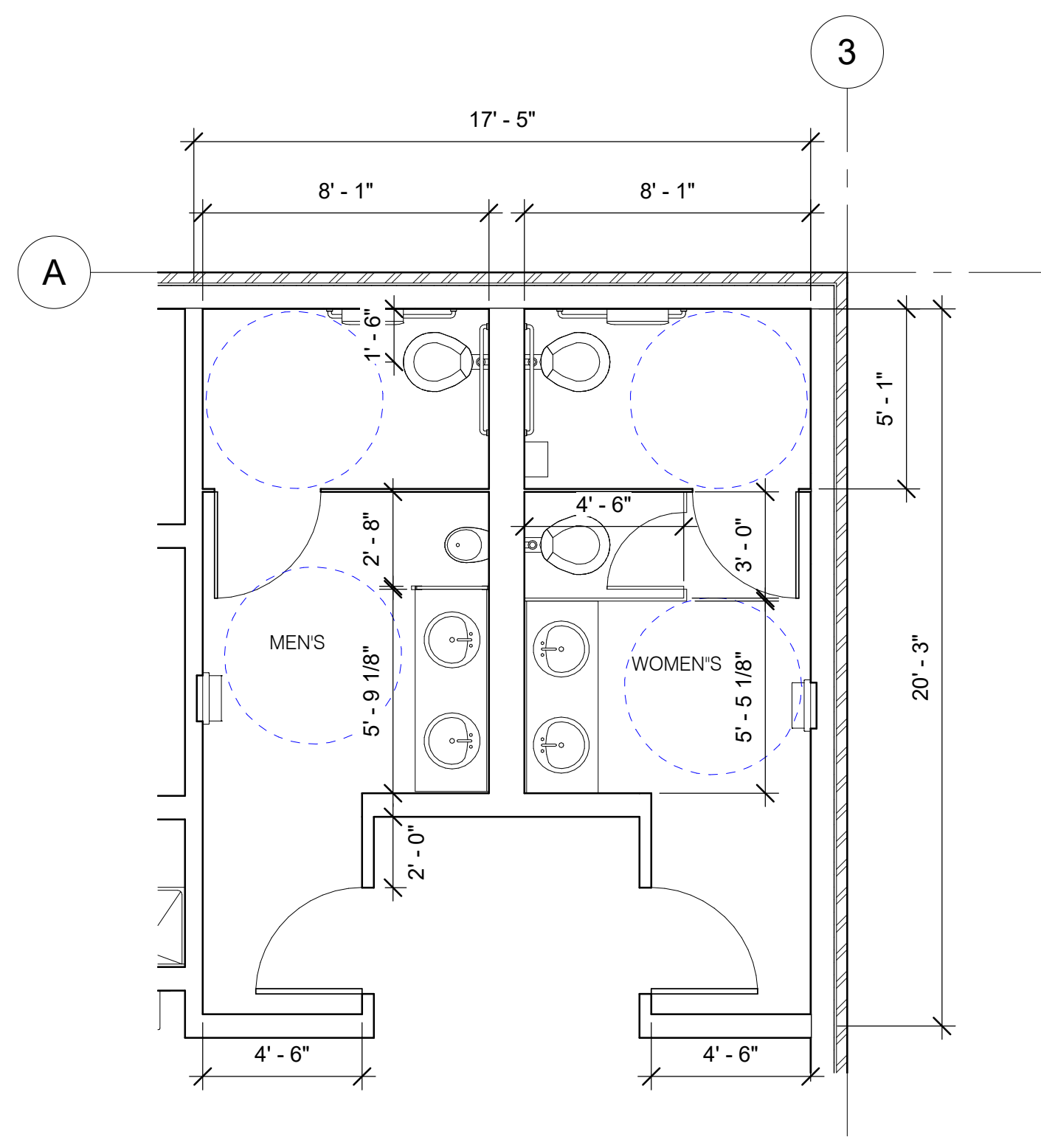


ROOM AREA SCHEDULE	
ROOM NAME	AREA
COLD STR.	76 SF
ENTRY	91 SF
JAN	17 SF
KITCHEN	774 SF
MAIN DINING	3895 SF
MECH./ELEC.	66 SF
MENS	97 SF
MENS	41 SF
VESTIBULE	110 SF
WASH	59 SF
WOMEN'S	97 SF
WOMEN'S	41 SF

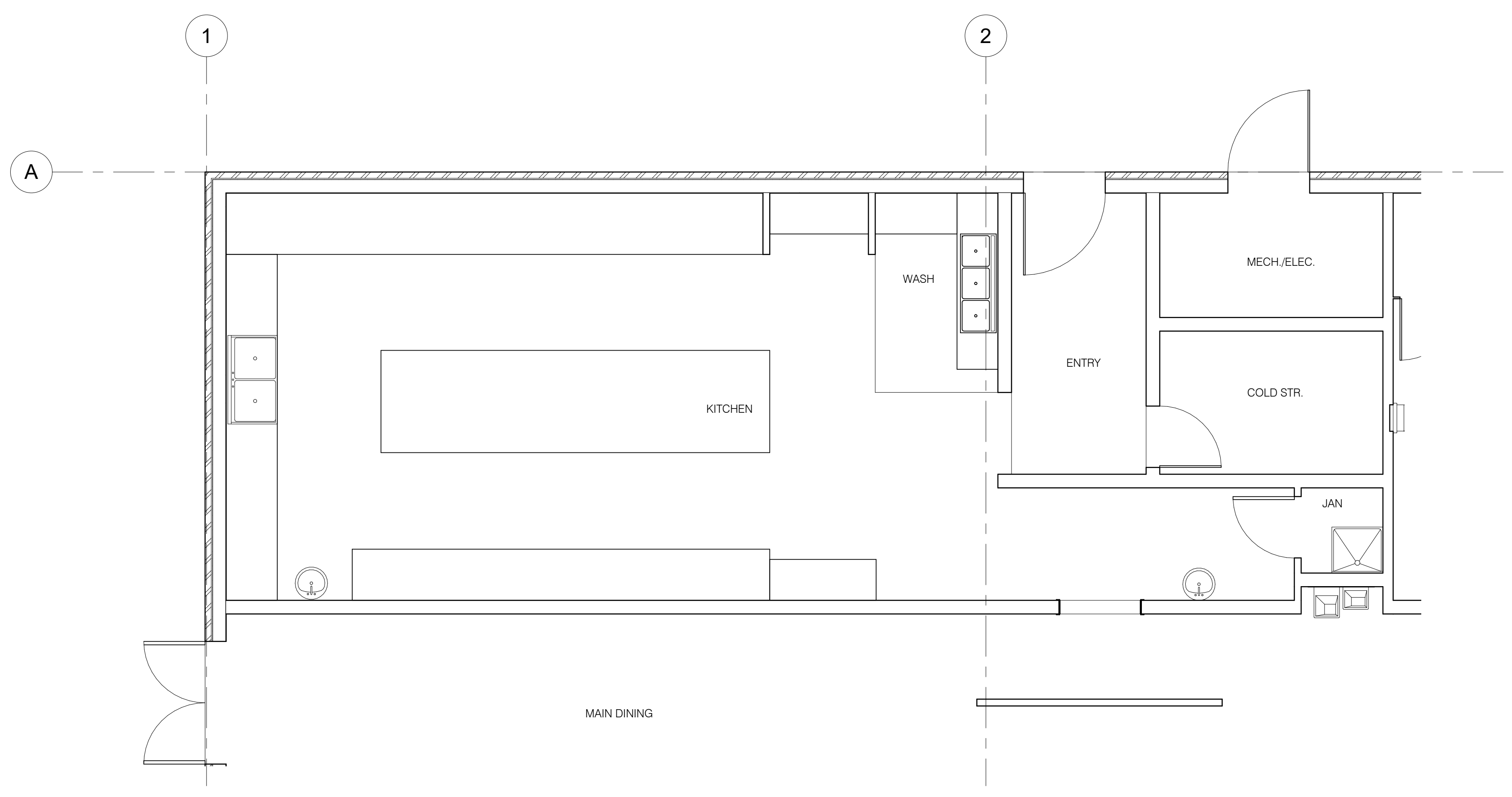
Plumbing Fixture Schedule		
Family and Type	Count	Room: Name
Drinking Fountain-Hi-Lo-3D; Drinking Fountain-Hi-Lo-3D	1	MAIN DINING
Sink-Mop: Sink-Mop-	1	JAN
3-COMPARTMENT SINK; 3 COMPARTMENT SINK	1	WASH
M_Sink Vanity-Round: 482 x 482mm	1	KITCHEN
M_Sink Vanity-Round: 482 x 482mm	1	KITCHEN
2-COMPARTMENT SINK; 2 COMPARTMENT SINK 3	1	KITCHEN



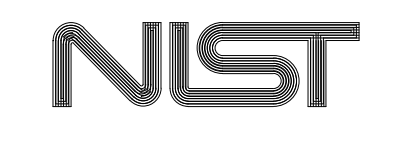
21 FIRST FLOOR PLAN
A-701 1/8" = 1'-0"



23 RESTROOM FLOOR PLAN - ENLARGED
A-701 1/4" = 1'-0"



51 KITCHEN FLOOR PLAN - ENLARGED
A-701 1/4" = 1'-0"



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NIST STD. BLDG. PLUMBING SYSTEM MODELS
NEW WORK FLOOR PLAN -
FULL SERVICE
RESTAURANT

A-701