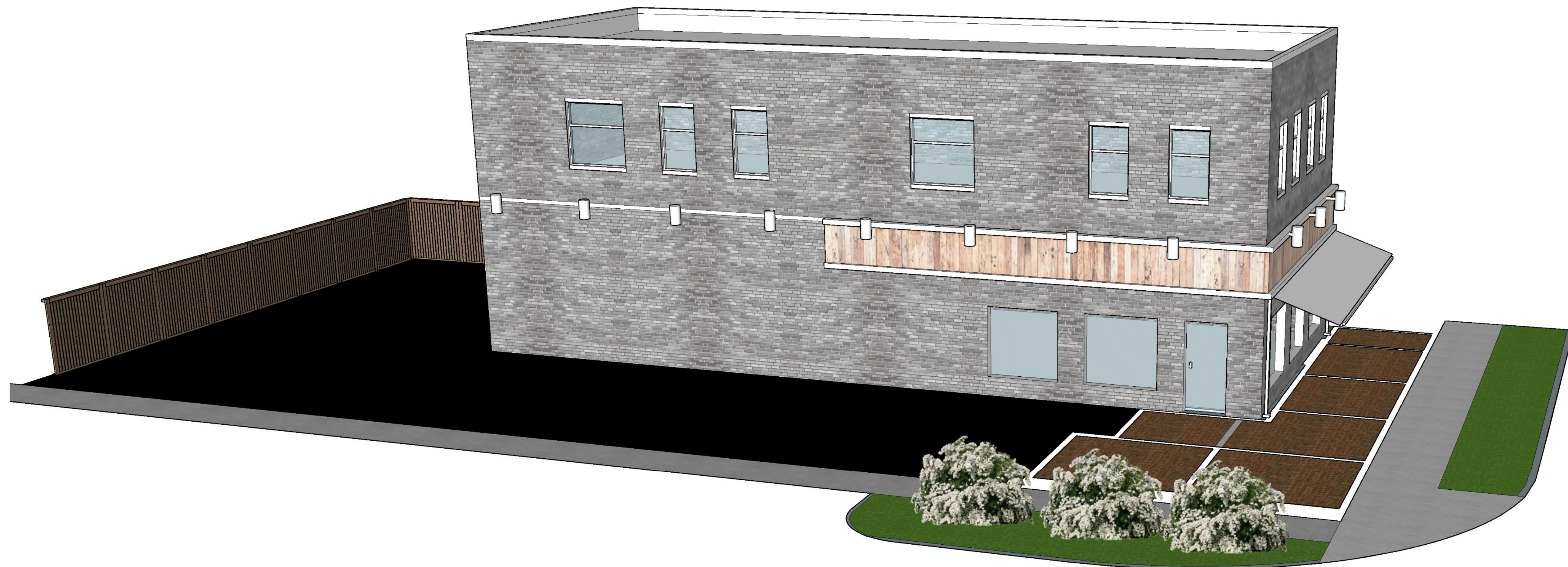


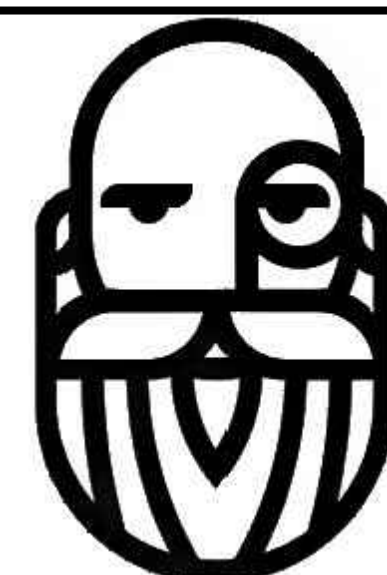
Keji Lin and Aihua Zhu

202 S. Franklin Street

Watkins Glen, NY



NEW YORK STATE EDUCATION LAW, ARTICLE 147, COMMISSIONER'S REGULATIONS, PART 69: IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DRAWING IN ANY WAY.



Cabezas Engineering, PLLC
NYS MBE FIRM

5510 COUNTY RD 14 • ALPINE, NEW YORK 14805
PHONE: (607) 227-7661 • cabezasengineering.com • E-MAIL: howard@cabezasengineering.com

CONSTRUCTION DOCUMENTS	CD
DWG. NO. 2020-015	
DATE:	BINDING NO. 1
SCALE:	
DRAWN:	
CHECKED:	



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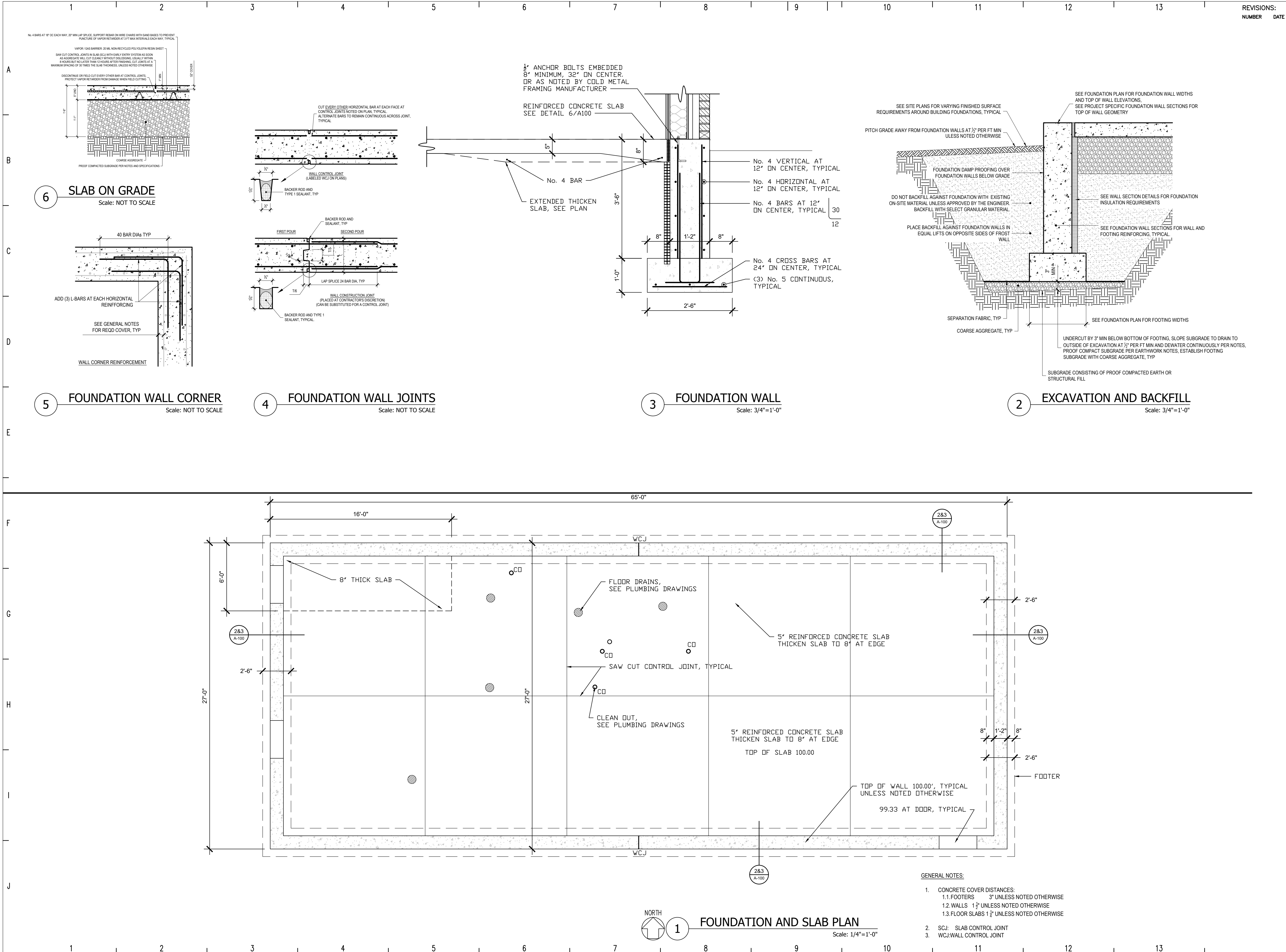
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DWG. NO. 2020-015 C100

BINDING NO.
1



NEW YORK STATE EDUCATION LAW, ARTICLE 147, COMMISSIONER'S REGULATIONS, PART 69: IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DRAWING IN ANY WAY.



REVISIONS:
NUMBER DATE



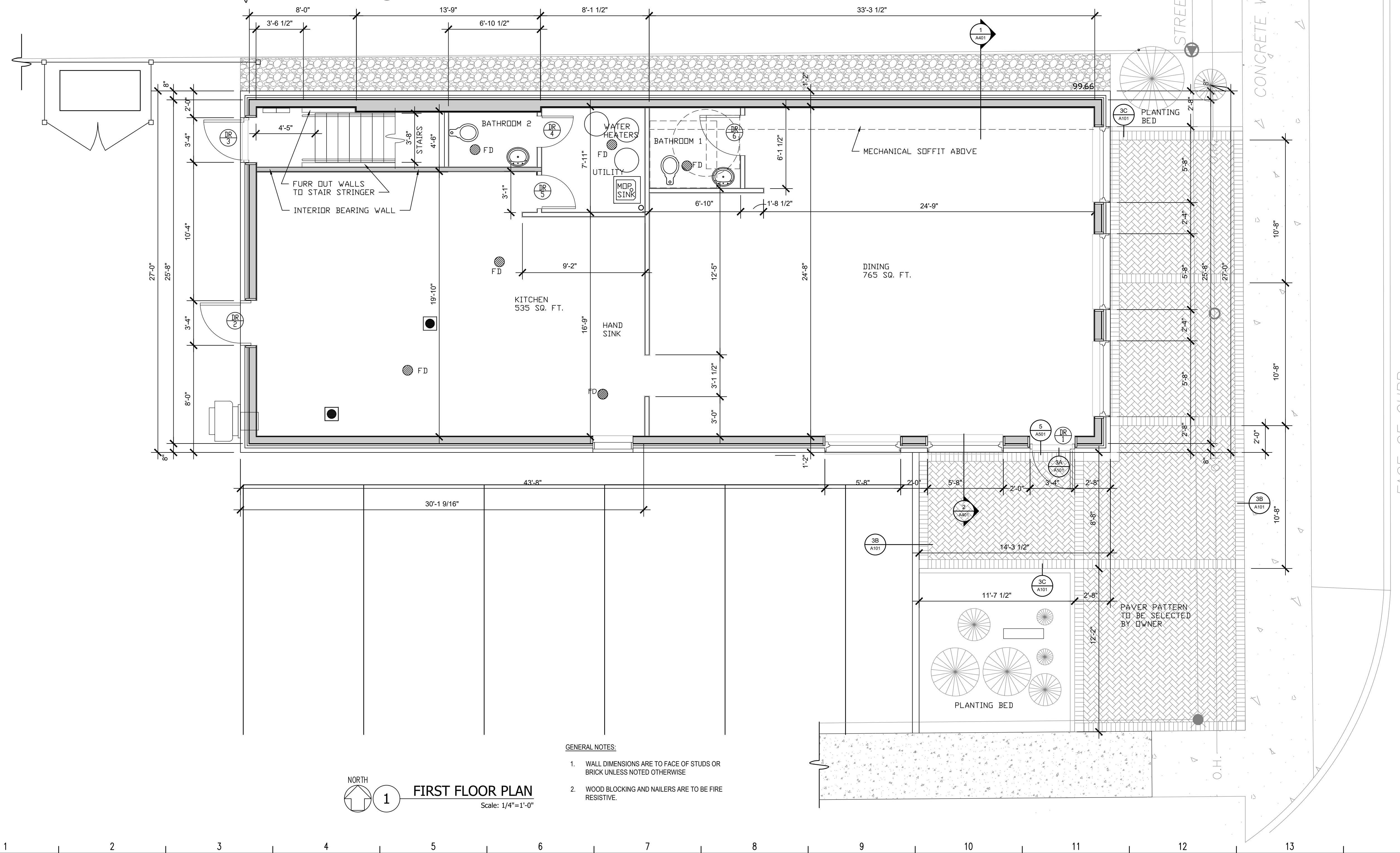
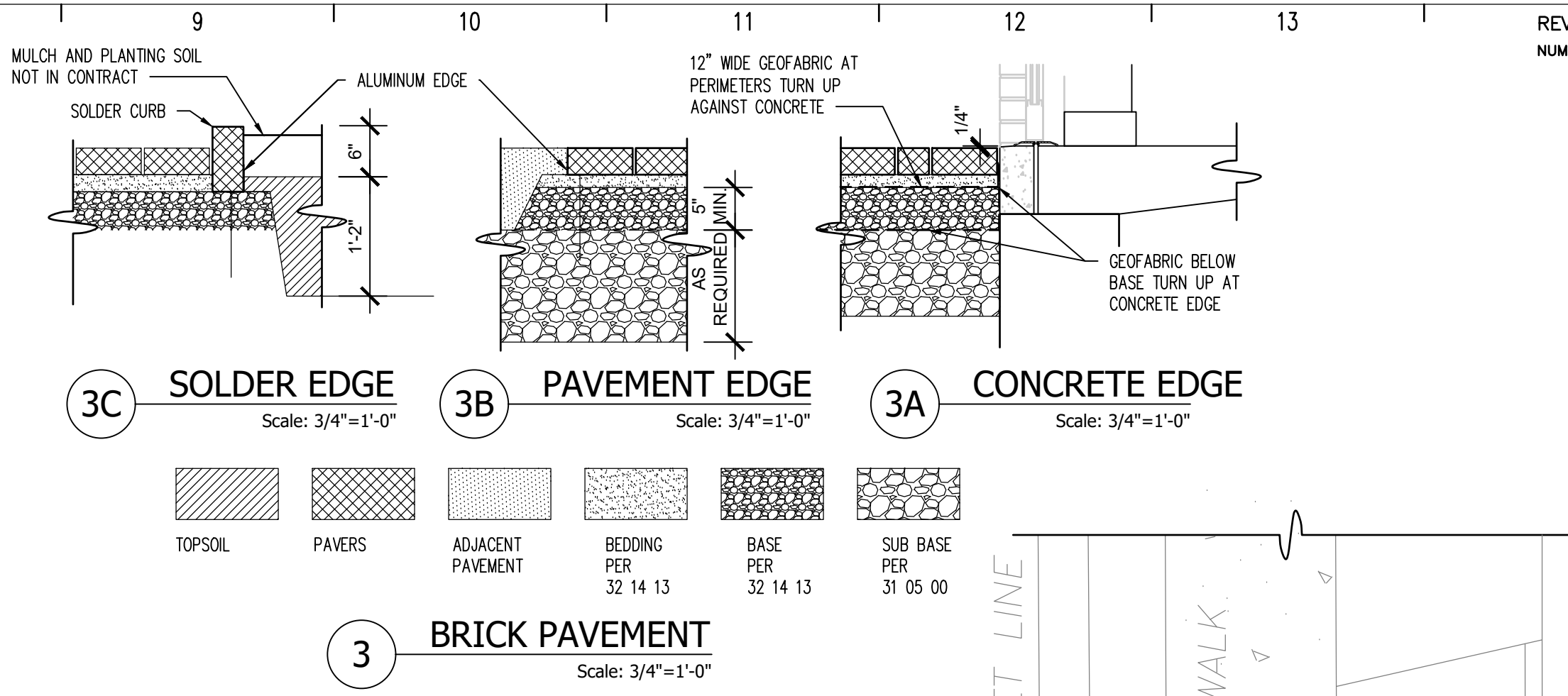
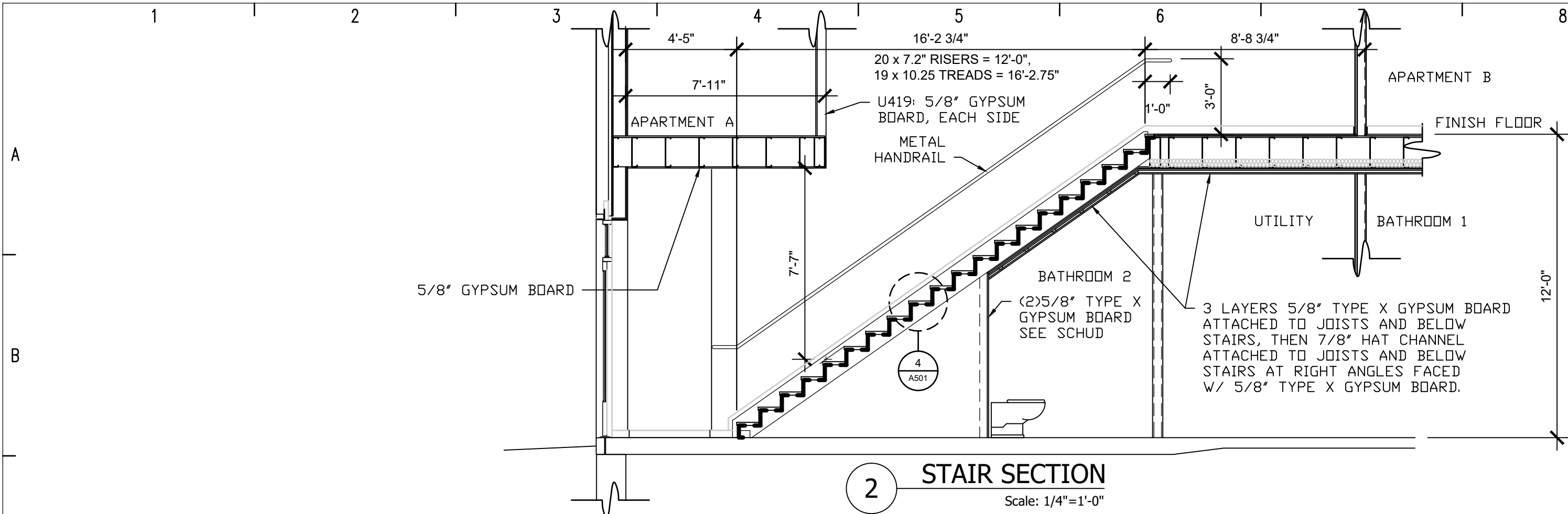
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Keji Lin and Ailhua Zhu

202 S. Franklin St. Watkins Glen, NY

CONST. DOCUMENTS	CD
FOUNDATION PLAN AND DETAILS	
DWG. NO. 2020-015	A100
DATE: 06/01/2021	BINDING NO.
SCALE: 1/4"=1'-0"	1
DRAWN: pdo	
CHECKED: hjc	

NEW YORK STATE EDUCATION LAW, ARTICLE 147, COMMISSIONER'S REGULATIONS, PART 69: IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DRAWING IN ANY WAY.



- GENERAL NOTES:
- WALL DIMENSIONS ARE TO FACE OF STUDS OR BRICK UNLESS NOTED OTHERWISE
 - WOOD BLOCKING AND NAILERS ARE TO BE FIRE RESISTIVE.

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CONST. DOCUMENTS

CD

FIRST FLOOR

DWG. NO. 2020-015 A101

DATE: 06/01/2021
SCALE: 1/4"=1'-0"
DRAWN: pdo
CHECKED: hjc

BINDING NO. 1

NEW YORK STATE EDUCATION LAW, ARTICLE 147, COMMISSIONER'S REGULATIONS, PART 69: IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DRAWING IN ANY WAY.

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NUMBER DATE



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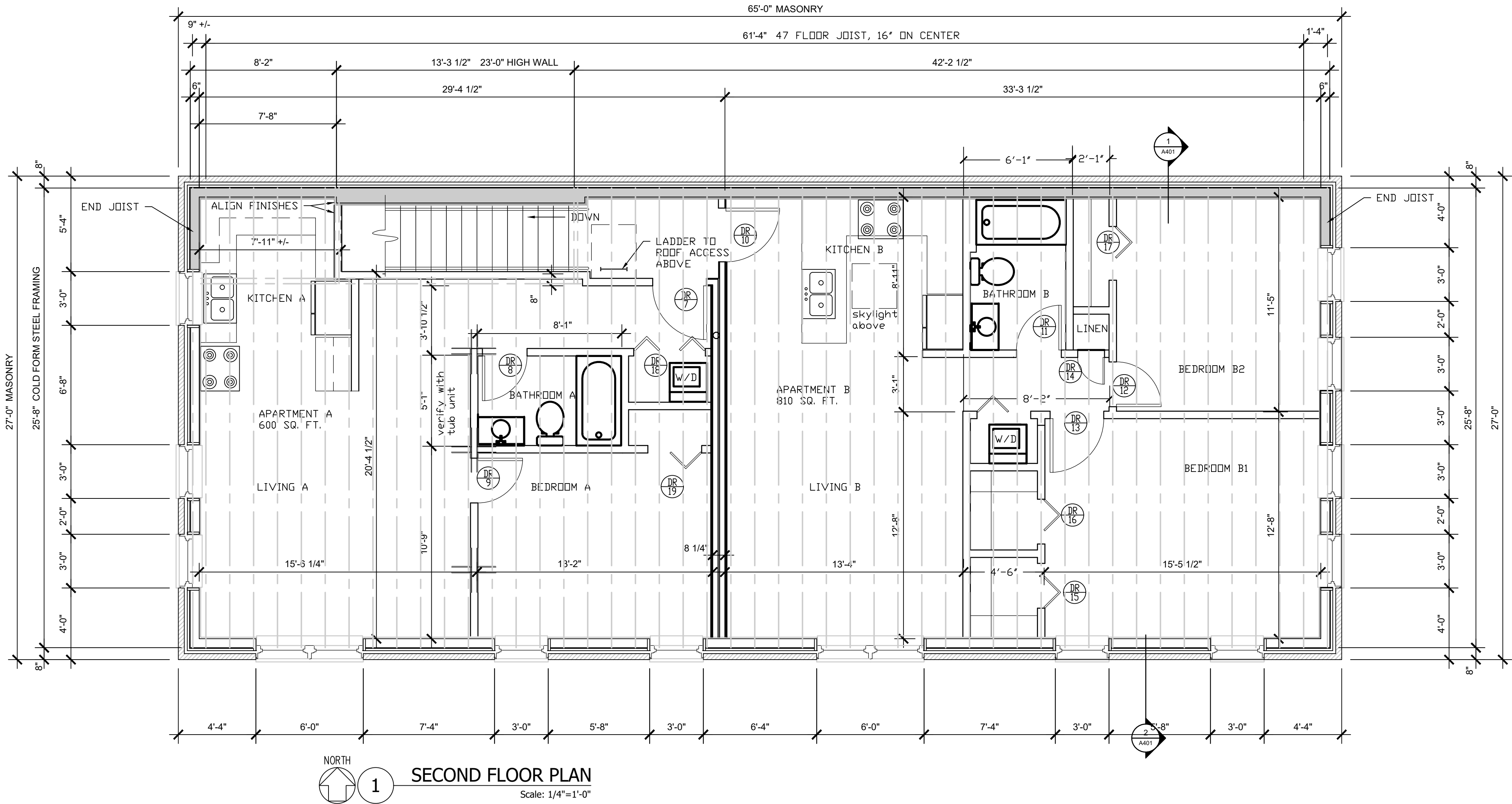
CONST. DOCUMENTS **CD**

SECOND FLOOR

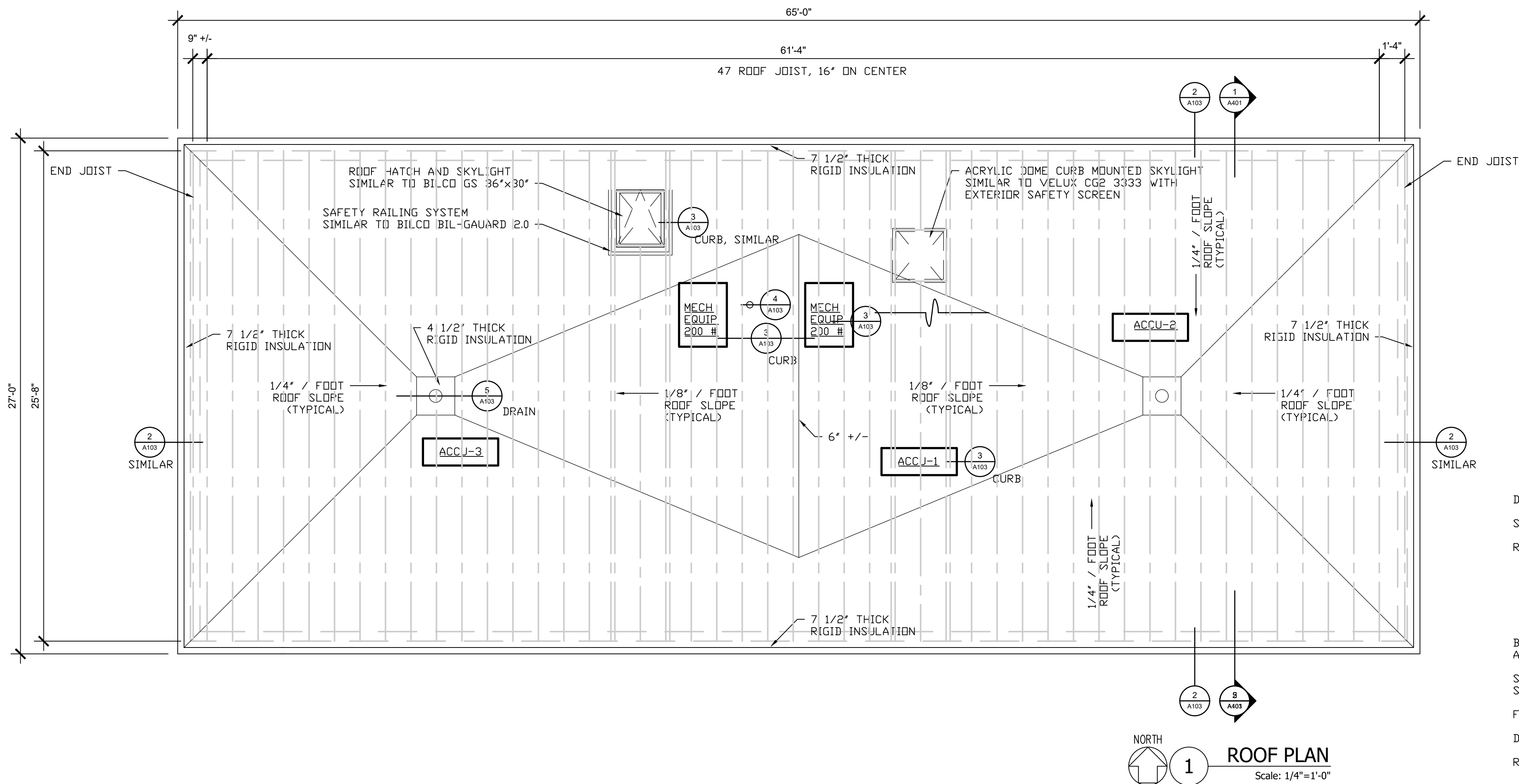
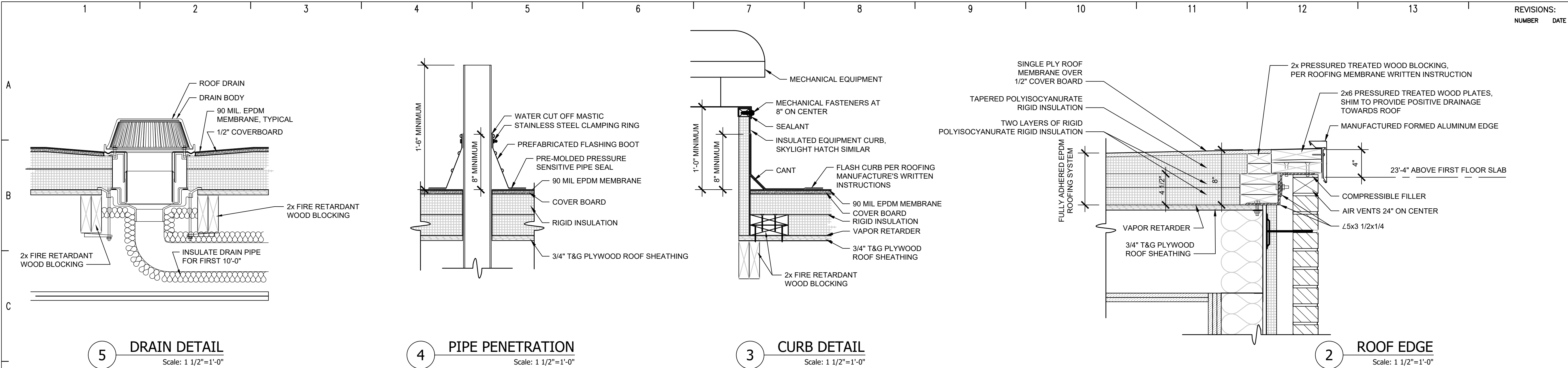
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DATE: 06/01/2021
SCALE: 1/4"=1'-0"
DRAWN: pdo
CHECKED: hjc

BINDING NO.
1



NEW YORK STATE EDUCATION LAW, ARTICLE 147, COMMISSIONER'S REGULATIONS, PART 69: IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DRAWING IN ANY WAY.



DESIGN LOADS	
SECOND FLOOR	DEAD LOAD 15 LB/SF LIVE LOAD 40 LB/SF
ROOF	DEAD LOAD 10 PSF
	GROUND SNOW LOAD 50 PSF
	FLAT ROOF SNOW LOAD 35 PSF
	SNOW EXPOSURE FACTOR 1.0
	SNOW LOAD IMPORTANT FACTOR 1.0
	THERMAL FACTOR 1.0
BASIC WIND SPEED	110 V
ALLOWABLE STRESS WIND SPEED	85 V _{asd}
SEISMIC DESIGN CLASS	B
SITE CLASS	D
FLOOD HAZARD AREA	NO
DESIGN LOAD BEARING VALUE OF SOIL	2000 PSF
RAIN LOAD	25 PSF AT DRAIN 0 PSF ALONG PERIMETER

Keji Lin and Ailhua Zhu

202 S. Franklin St. Watkins Glen, NY

CONST. DOCUMENTS

CD

ROOF PLAN

DWG. NO. 2020-015 A103

DATE: 06/01/2021

SCALE: 1/4"=1'-0"

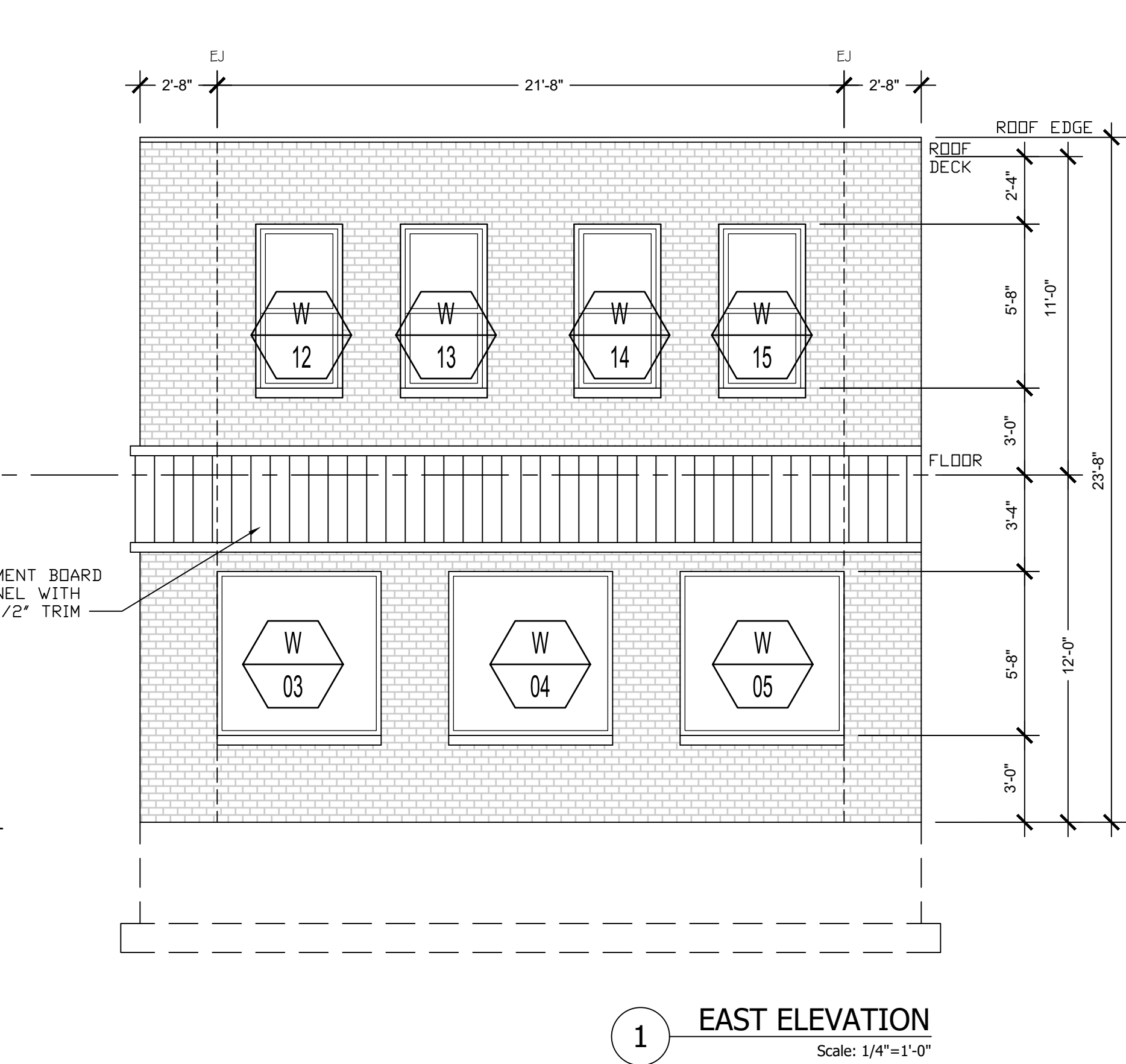
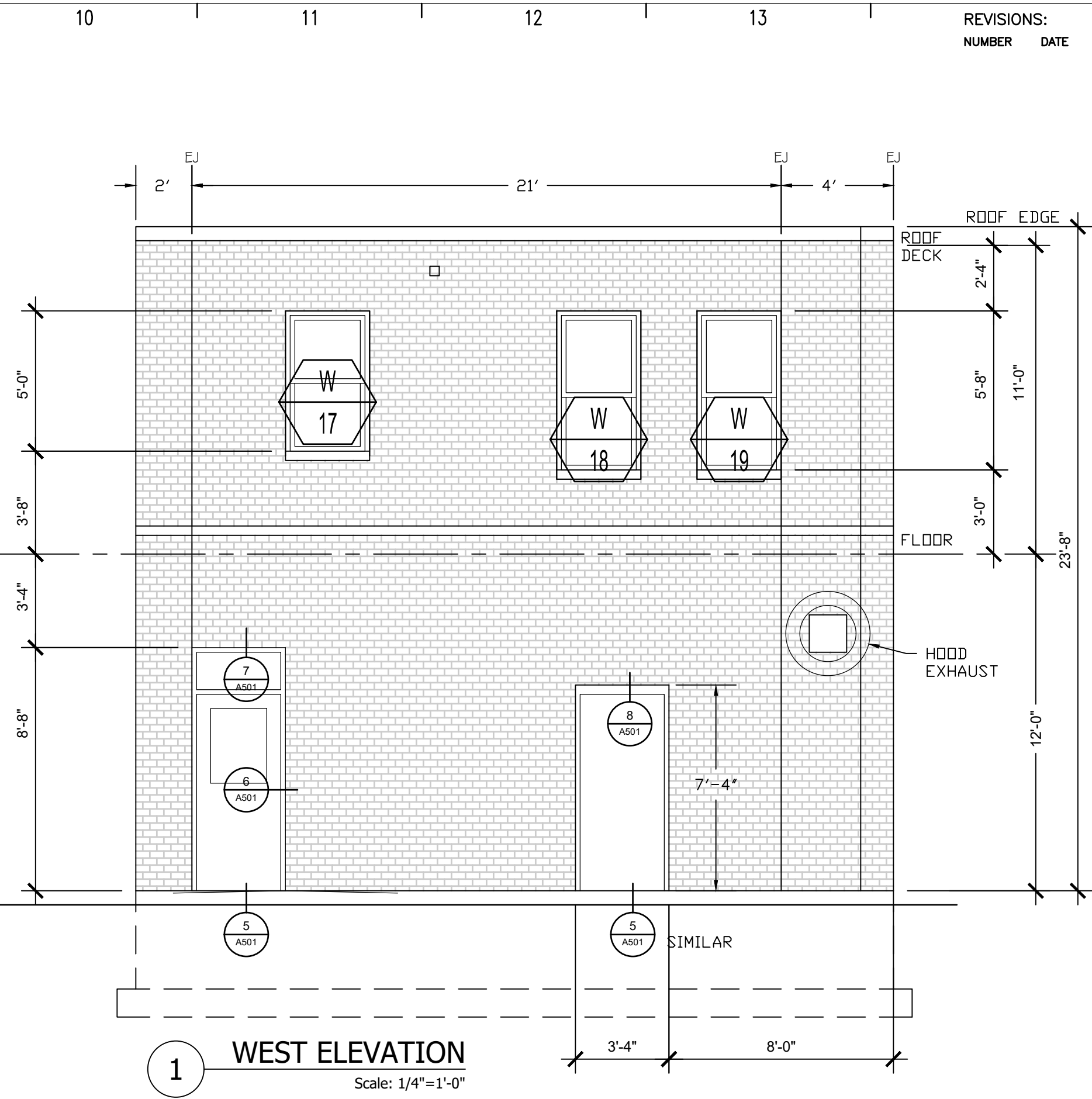
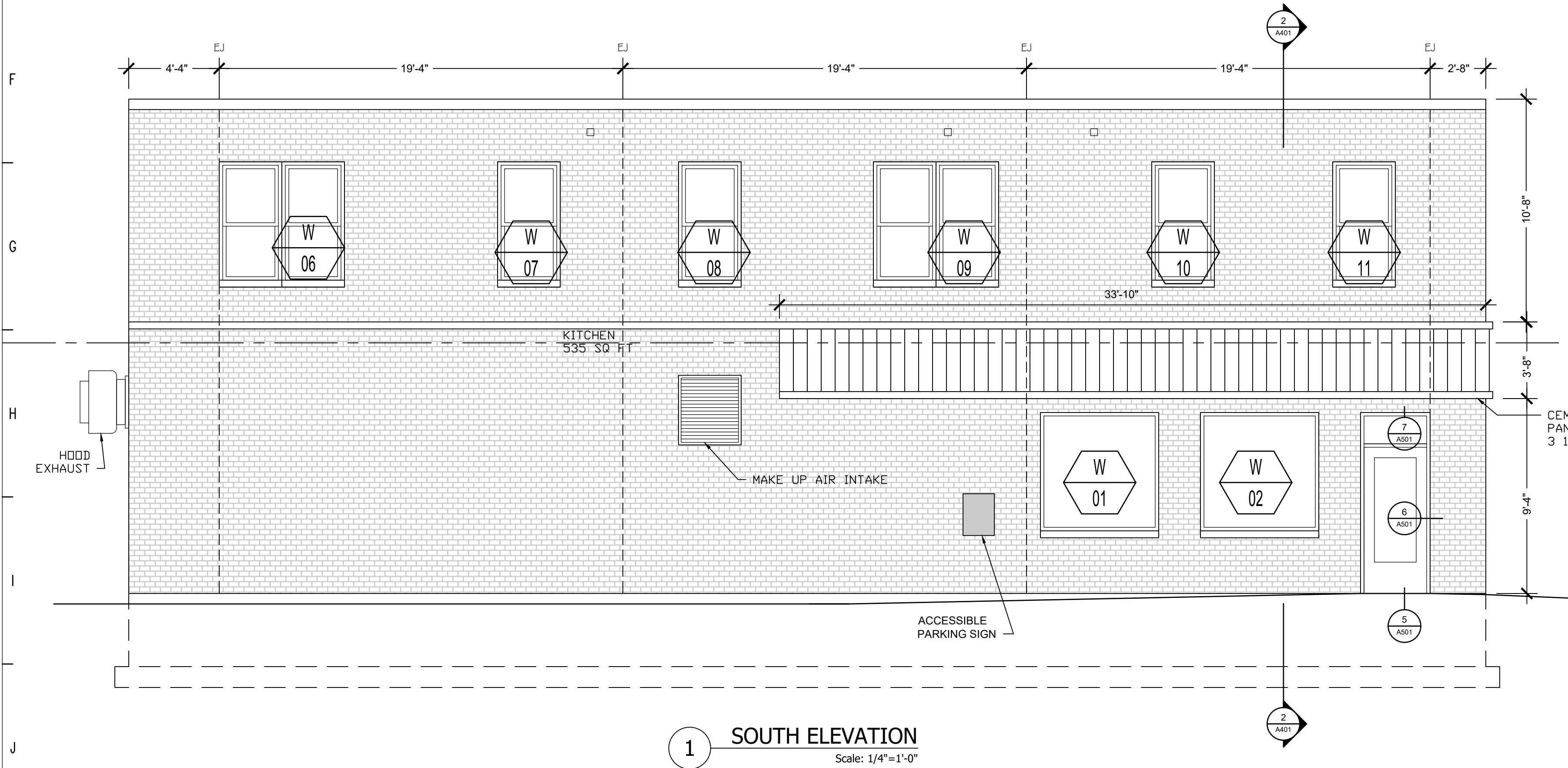
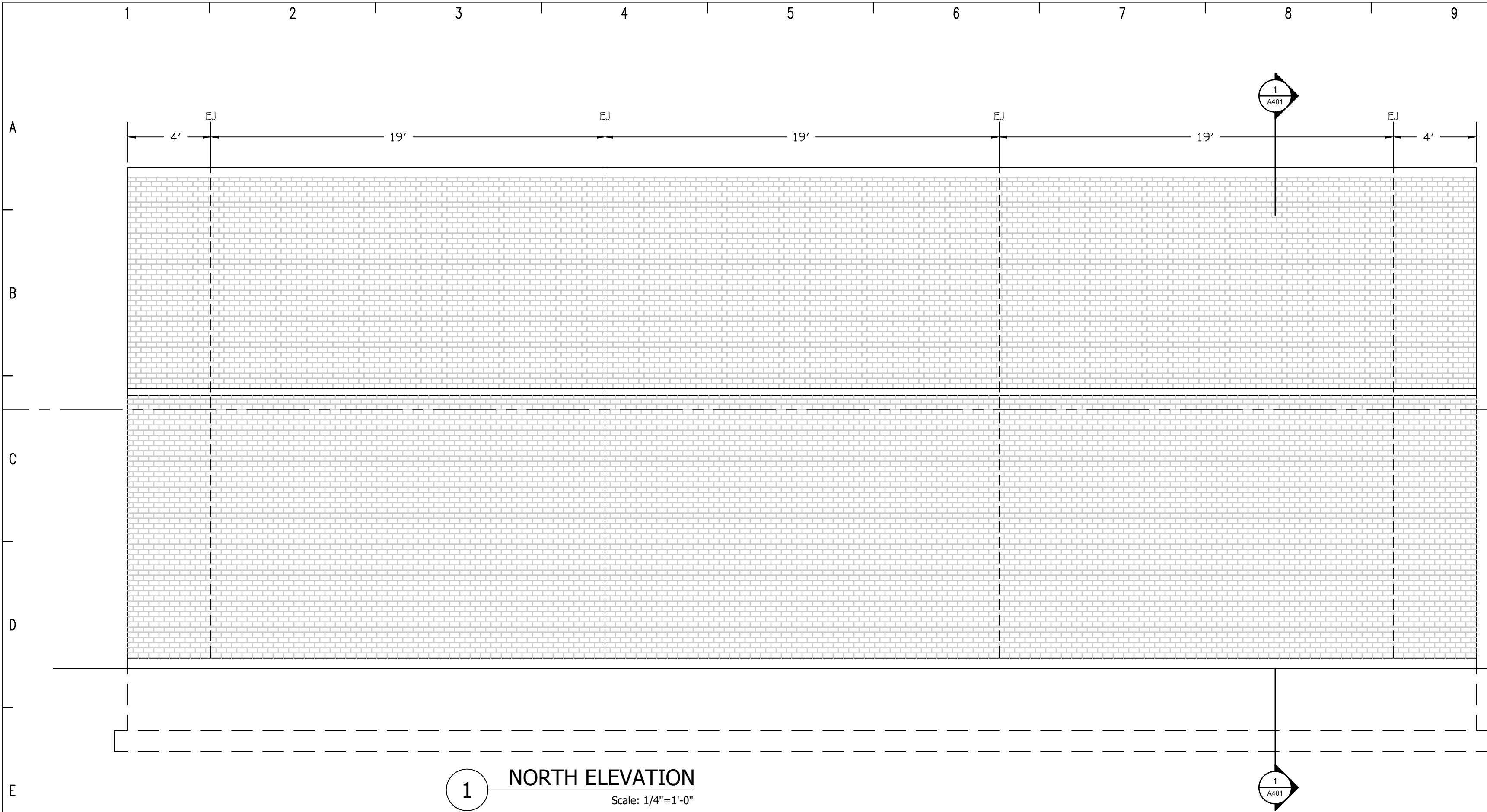
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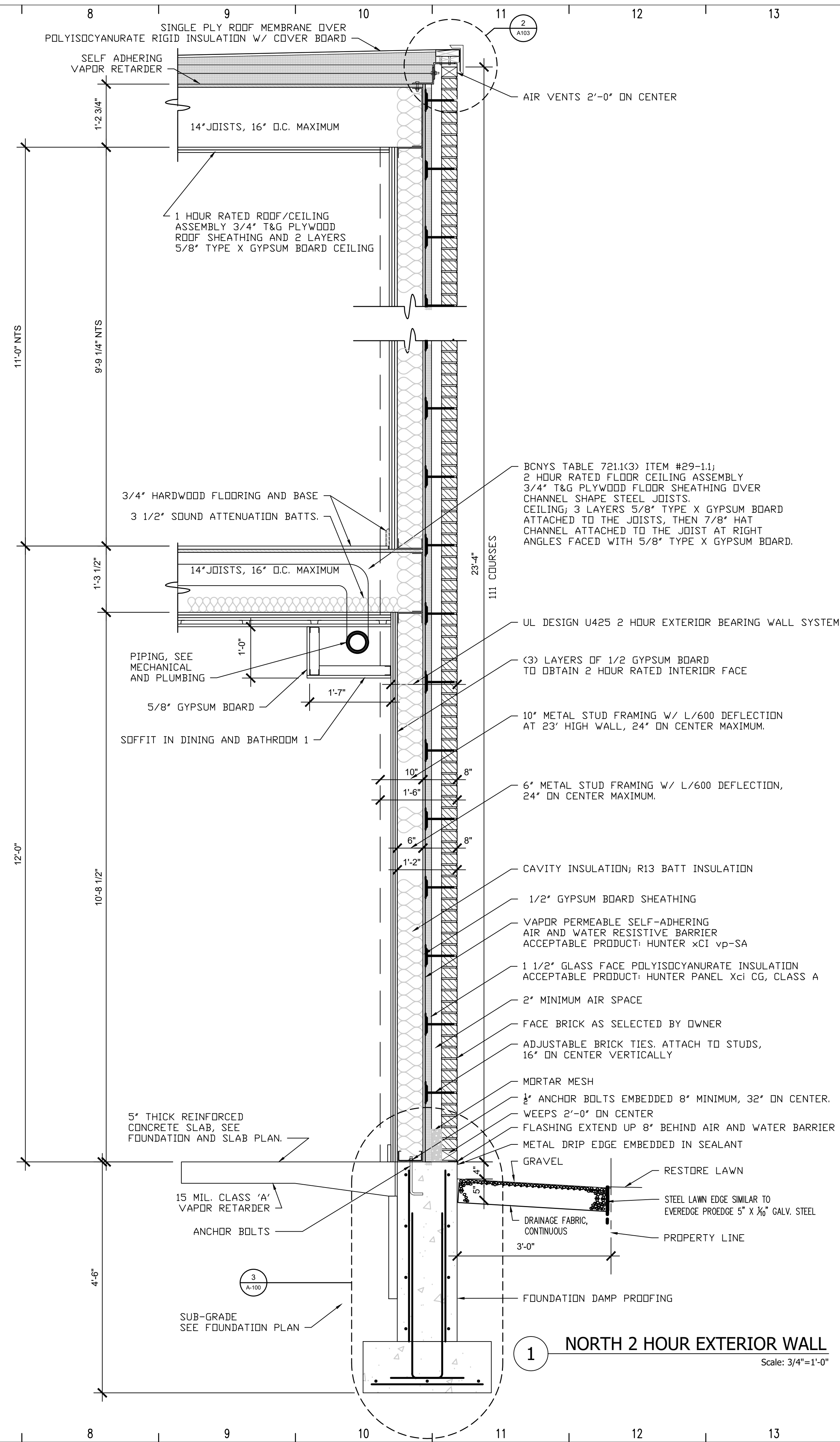
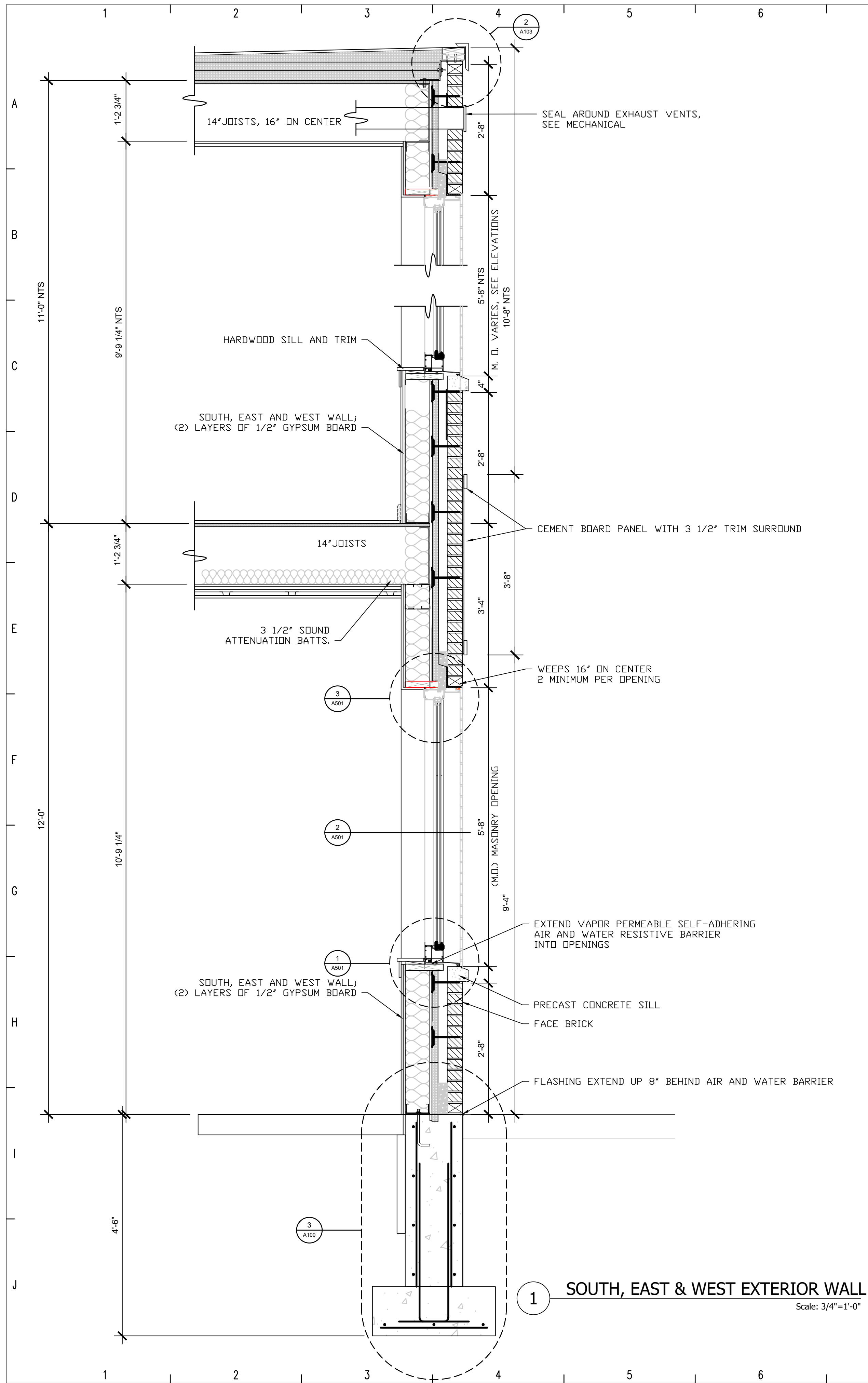
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BINDING NO. 1

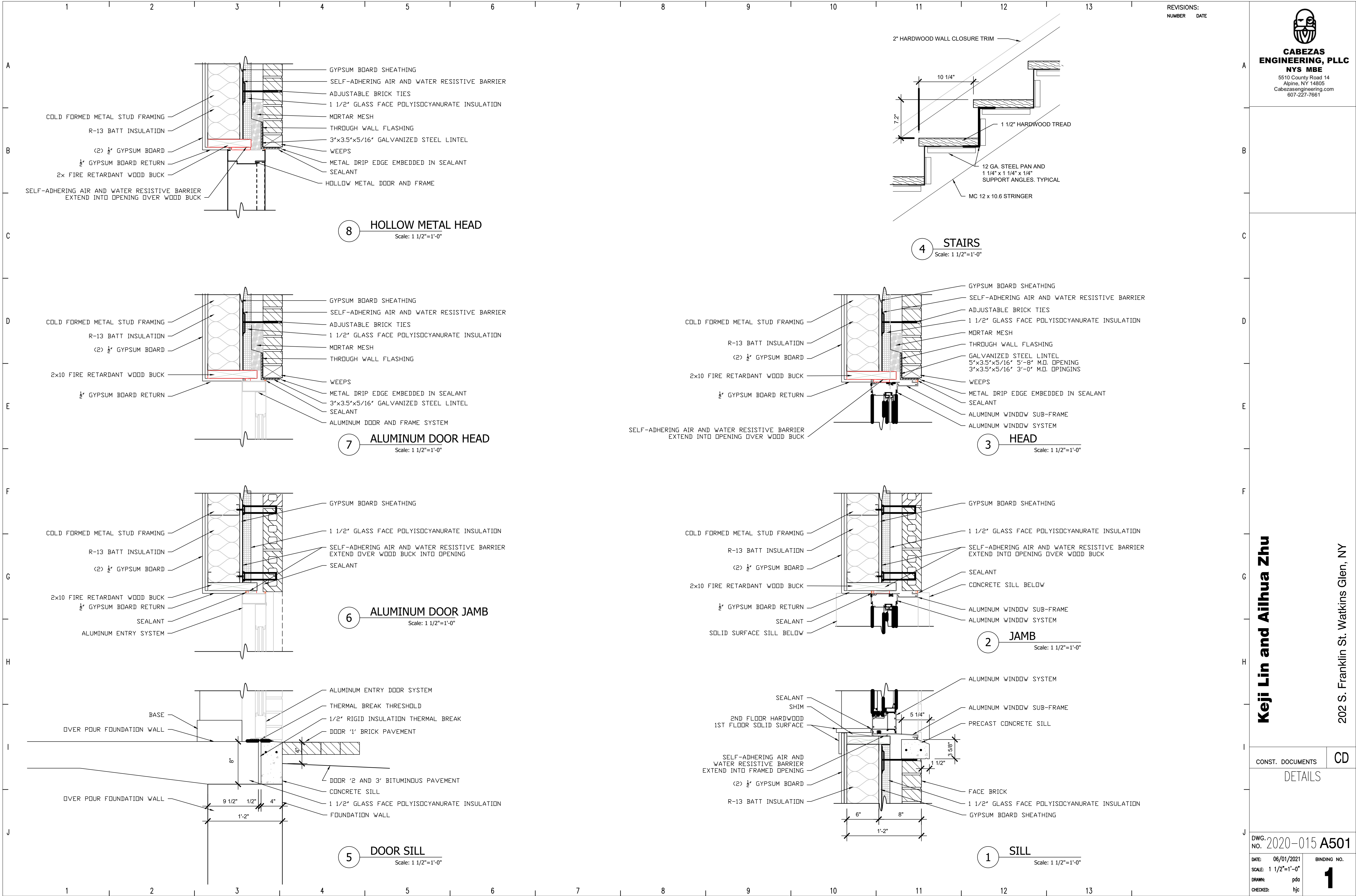
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NEW YORK STATE EDUCATION LAW, ARTICLE 147, COMMISSIONER'S REGULATIONS, PART 69: IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DRAWING IN ANY WAY.





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NEW YORK STATE EDUCATION LAW, ARTICLE 147, COMMISSIONER'S REGULATIONS, PART 89: IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DRAWING IN ANY WAY.

REVISIONS:
NUMBER DATE



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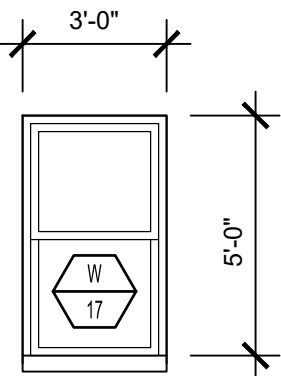
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Alpine, NY 14805
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WINDOW SCHEDULE														
WINDOW NUMBER	WINDOW SIZE		TYPE	MATERIAL	FINISH	DEPTH	GLAZING TYPE	SCREEN	DETAILS				COMMENTS	WINDOW NUMBER
	WIDTH	HEIGHT							SILL	JAMB	HEAD			
01	5'-8"	5'-8"	FIXED	ALUMINUM	FACTORY	4-9/16"	LOW-E	NO	1 / A501	2 / A501	3 / A501	-		01
02	5'-8"	5'-8"	FIXED	ALUMINUM	FACTORY	4-9/16"	LOW-E	NO	1 / A501	2 / A501	3 / A501	-		02
03	5'-8"	5'-8"	FIXED	ALUMINUM	FACTORY	4-9/16"	LOW-E	NO	1 / A501	2 / A501	3 / A501	-		03
04	5'-8"	5'-8"	FIXED	ALUMINUM	FACTORY	4-9/16"	LOW-E	NO	1 / A501	2 / A501	3 / A501	-		04
05	5'-8"	5'-8"	FIXED	ALUMINUM	FACTORY	4-9/16"	LOW-E	NO	1 / A501	2 / A501	3 / A501	-		05
06	6'-0"	5'-8"	PR-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			06
07	3'-0"	5'-8"	B-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			07
08	3'-0"	5'-8"	B-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			08
09	6'-0"	5'-8"	PR-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			09
10	3'-0"	5'-8"	B-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			10
11	3'-0"	5'-8"	B-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			11
12	3'-0"	5'-8"	B-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			12
13	3'-0"	5'-8"	B-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			13
14	3'-0"	5'-8"	B-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			14
15	3'-0"	5'-8"	B-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			15
16	--	--	NOT USED	--	--	--	--	--	--	--	--			16
17	3'-0"	5'-0"	K-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			17
18	3'-0"	5'-8"	B-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			18
19	3'-0"	5'-8"	B-DOUBLE HUNG	ALUMINUM	FACTORY	4-9/16"	LOW-E	YES	1 / A501	2 / A501	3 / A501			19

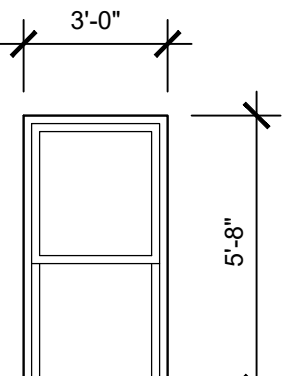
WINDOW DIMENSIONS ARE APPROXIMATE

DOOR SCHEDULE

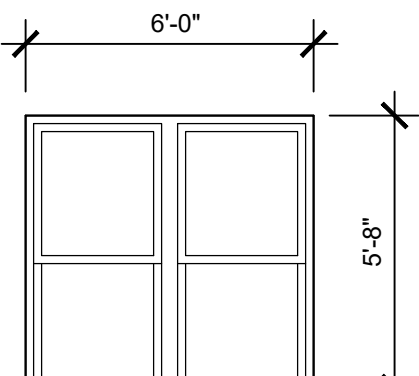
NO.	DOOR SIZE			MAT.	ELEV. TYPE	GLASS	HDWE.	FRAME			FIRE LABEL	REMARKS
	W	H	T					MAT.	DETAILS			
									JAMB	HEAD	THRSH.	
1	3'-0"	7'-0"	2"	ALUMINUM	ASF	INSULATED	-	ALUMINUM	-	-	-	-
2	3'-0"	7'-0"	1-3/4"	STEEL	EHM	-	-	STEEL	-	-	-	-
3	3'-0"	7'-0"	2"	ALUMINUM	ASF	INSULATED	-	ALUMINUM	-	-	-	-
4	2'-6"	6'-8"	1-3/4"	COMPOSITE	INT	-	-	WOOD	-	-	-	-
5	2'-6"	6'-8"	1-3/4"	COMPOSITE	INT	-	-	WOOD	-	-	-	-
6	3'-0"	6'-8"	1-3/4"	COMPOSITE	INT	-	-	WOOD	-	-	-	-
7	3'-0"	6'-8"	1-3/4"	STEEL	IHM	-	-	STEEL	-	-	-	3/4 HR PROVIDE PEEP HOLE
8	2'-6"	6'-8"	1-3/4"	COMPOSITE	INT	-	-	WOOD	-	-	-	-
9	2'-6"	6'-8"	1-3/4"	COMPOSITE	INT	-	-	WOOD	-	-	-	-
10	3'-0"	6'-8"	1-3/4"	STEEL	IHM	-	-	STEEL	-	-	-	3/4 HR PROVIDE PEEP HOLE
11	2'-6"	6'-8"	1-3/4"	COMPOSITE	INT	-	-	WOOD	-	-	-	-
12	2'-6"	6'-8"	1-3/4"	COMPOSITE	INT	-	-	WOOD	-	-	-	-
13	3'-0"	6'-8"	1-3/4"	COMPOSITE	INT	-	-	WOOD	-	-	-	-
14	1'-6"	6'-8"	1-3/8"	COMPOSITE	INT			WOOD				-
15	2'-6"	6'-8"	1-3/8"	COMPOSITE	INT			WOOD				BI FOLD
16	2'-6"	6'-8"	1-3/8"	COMPOSITE	INT			WOOD				BI FOLD
17	3'-0"	6'-8"	1-3/8"	COMPOSITE	INT			WOOD				BI FOLD
18	(2) 2'-0"	6'-8"	1-3/8"	COMPOSITE	INT			WOOD				PAIR BI FOLD
19	3'-0"	6'-8"	1-3/8"	COMPOSITE	INT			WOOD				BI FOLD



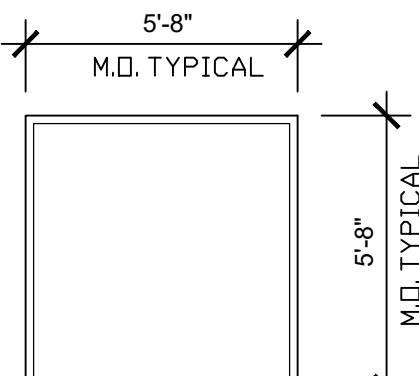
K-DOUBLE HUNG



B-DOUBLE HUNG



PR-DOUBLE HUNG

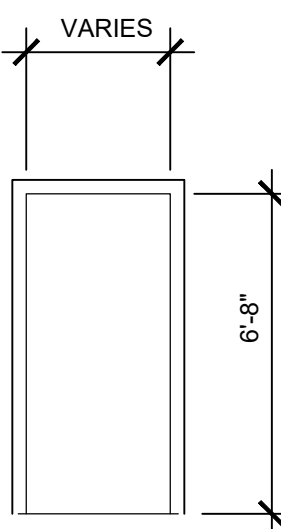


FIXED

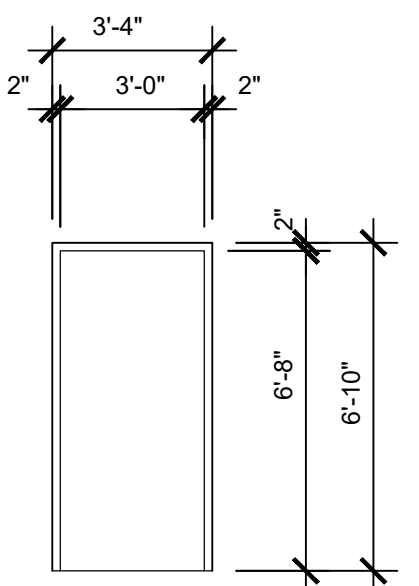
ALUMINUM WINDOWS ARE BASED ON EFCO XTERM SERIES HX45 HUNG WINDOW WITH 1" INSULATING GLASS AND 5' SUB-FRAME WITH 3 3/4" EXTENSION

MINIMUM U FACTORS
FIXED UNITS 0.36
OPERABLE UNITS 0.43

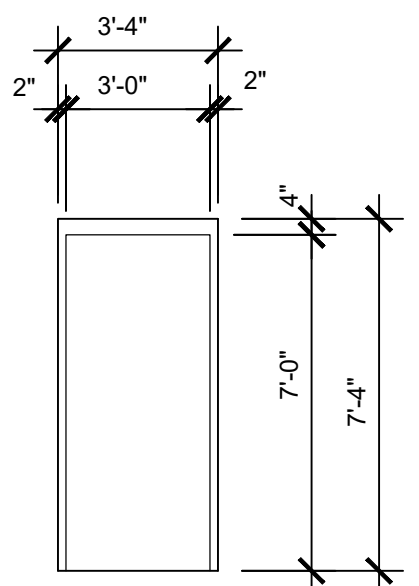
2 WINDOW ELEVATIONS TYPES



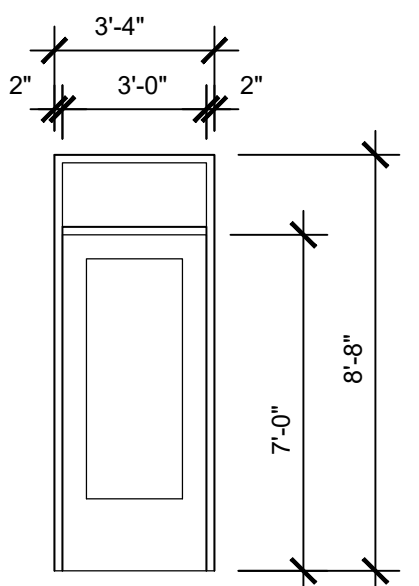
INT - INTERIOR
DOOR; COMPOSITE
FRAME; WOOD



IHM - INTERIOR HOLLOW METAL
(HMMA) 861 GUIDE SPECIFICATIONS SEAMLESS
DOOR; 18 GAUGE
FRAME; 16 GAUGE



EHM - EXTERIOR HOLLOW METAL
(HMMA) 861 GUIDE SPECIFICATIONS SEAMLESS
DOOR; 16 GAUGE HOT DIP GALVANIZED
FRAME; 14 GAUGE HOT DIP GALVANIZED
THERMAL BREAK



ASF - ALUMINUM STORE FRONT
ARE BASED ON, EFCO
XTERM SERIES 403X (T)
WITH 1" INSULATING GLASS
CODE MINIMUM U FACTOR 0.77

ROOM FINISH SCHEDULE

ROOM NAME	FLOOR	WALL BASE	WALL FINISH				CEILING		REMARKS
			NORTH	SOUTH	EAST	WEST	MAT.	FINISH	
KITCHEN	EPOXY COLOR 2	SS STEEL	SS STEEL	SS STEEL	SS STEEL	SS STEEL	--	--	
UTILITY	CONCRETE	RUBBER	IAL-2	IAL-2	IAL-2	IAL-2	GYPSUM	IAL-2	
RESTAURANT	EPOXY COLOR 1	HARDWOOD	IAL-2	IAL-2	IAL-2	IAL-2	GYPSUM	IAL-2	
BATHROOM 1	EPOXY COLOR 1	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	GYPSUM	IAL-3	
BATHROOM 2	EPOXY COLOR 2	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	GYPSUM	IAL-3	
STAIR 1st FLOOR ENTRY	RUBBER	HARDWOOD	IAL-2	IAL-2	IAL-2	IAL-2	GYPSUM	IAL-2	
STAIR 2ND FLOOR LANDING	HARDWOOD	HARDWOOD	IAL-2	IAL-2	IAL-2	IAL-2	GYPSUM	IAL-2	
APARTMENT A	HARDWOOD	HARDWOOD	IAL-2	IAL-2	IAL-2	IAL-2	GYPSUM	IAL-2	
BEDROOM 1A	HARDWOOD	HARDWOOD	IAL-2	IAL-2	IAL-2	IAL-2	GYPSUM	IAL-2	
BATHROOM 1A	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	GYPSUM	IAL-3	
APPARTMENT B	HARDWOOD	HARDWOOD	IAL-2	IAL-2	IAL-2	IAL-2	GYPSUM	IAL-2	
BEDROOM 1B	HARDWOOD	HARDWOOD	IAL-2	IAL-2	IAL-2	IAL-2	GYPSUM	IAL-2	
BEDROOM 2B	HARDWOOD	HARDWOOD	IAL-2	IAL-2	IAL-2	IAL-2	GYPSUM	IAL-2	
BATHROOM 1B	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	GYPSUM	IAL-3	

EPOXY FLOORING: ELITE CRETE SYSTEM INC. HERMETIC QUARTZ FLOORING SYSTEM
OR COMPARABLE PRODUCTS BY ONE OF THE FOLLOWING:
GENERAL POLYMERS
DUR A FLEX INC.
SIKA CORP.
COLOR 1: AS SELECTED BY OWNER
COLOR 2: AS SELECTED BY OWNER

CONTINUOUS HINGE
EPOXY FLOORING: ELITE CRETE SYSTEM INC. HERMETIC QUARTZ FLOORING SYSTEM
OR COMPARABLE PRODUCTS BY ONE OF THE FOLLOWING:
GENERAL POLYMERS
DUR A FLEX INC.
SIKA CORP.
COLOR 1: AS SELECTED BY OWNER
COLOR 2: AS SELECTED BY OWNER

Keji Lin and Aihua Zhu

202 S. Franklin St. Watkins Glen, NY

CONST. DOCUMENTS CD

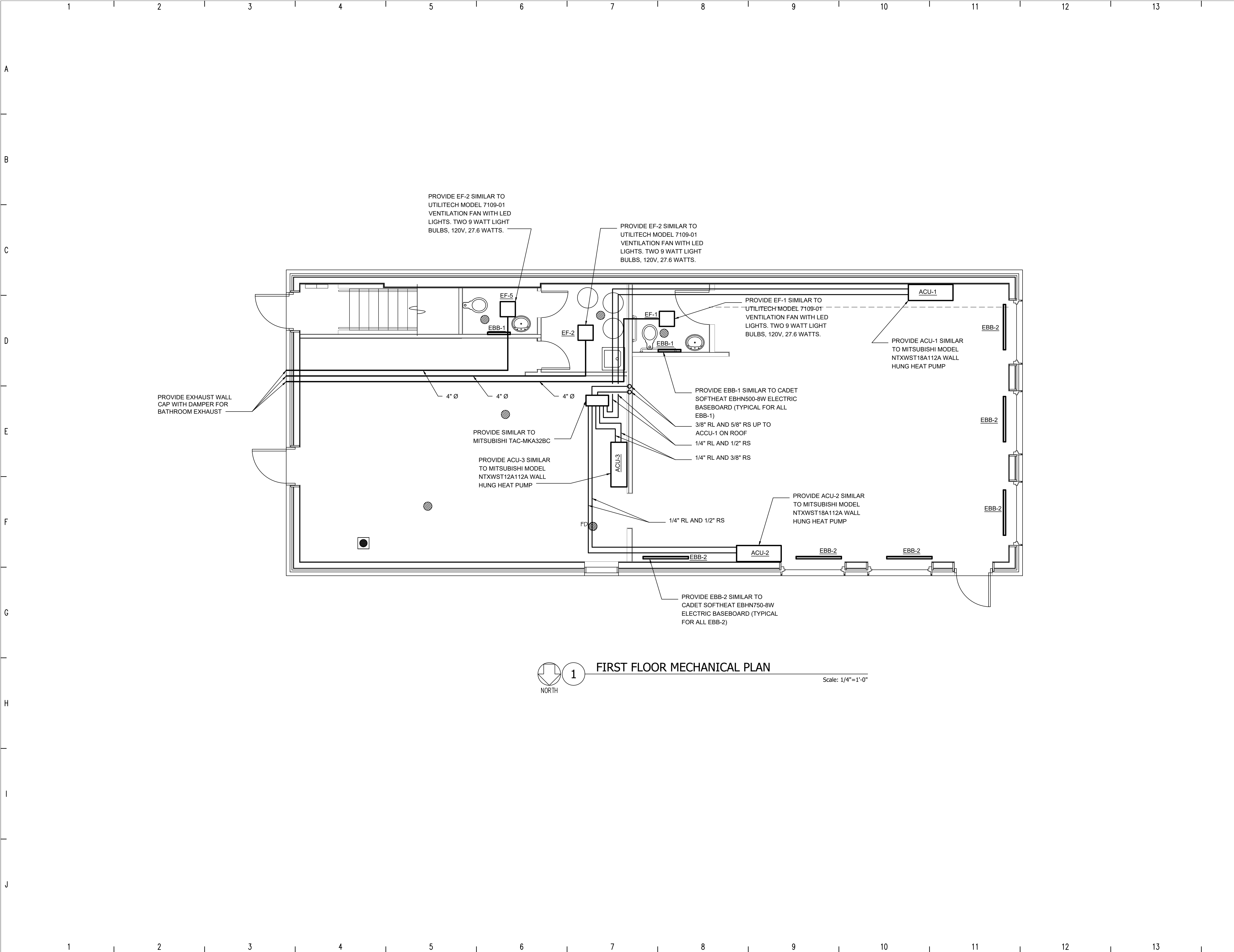
SCHEDULES

DWG. NO. 2020-015 A601

DATE: 06/01/2021 BINDING NO.
SCALE: NTS
DRAWN: pdo
CHECKED: hjc

1

NEW YORK STATE EDUCATION LAW, ARTICLE 147, COMMISSIONER'S REGULATIONS, PART 69: IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DRAWING IN ANY WAY.



REVISIONS:
NUMBER DATE



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607-227-7661

Keji Lin and Ailhua Zhu

202 S. Franklins St. Watkins Glen, NY

CONST. DOCUMENTS

CD

FIRST FLOOR
MECHANICAL PLAN

DWG. NO. 2020-015 M100

DATE: 06/01/2021
SCALE: 1/4"=1'-0"
DRAWN: hjc
CHECKED: hjc

BINDING NO.

1

A



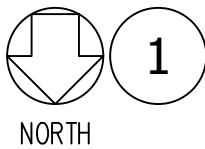
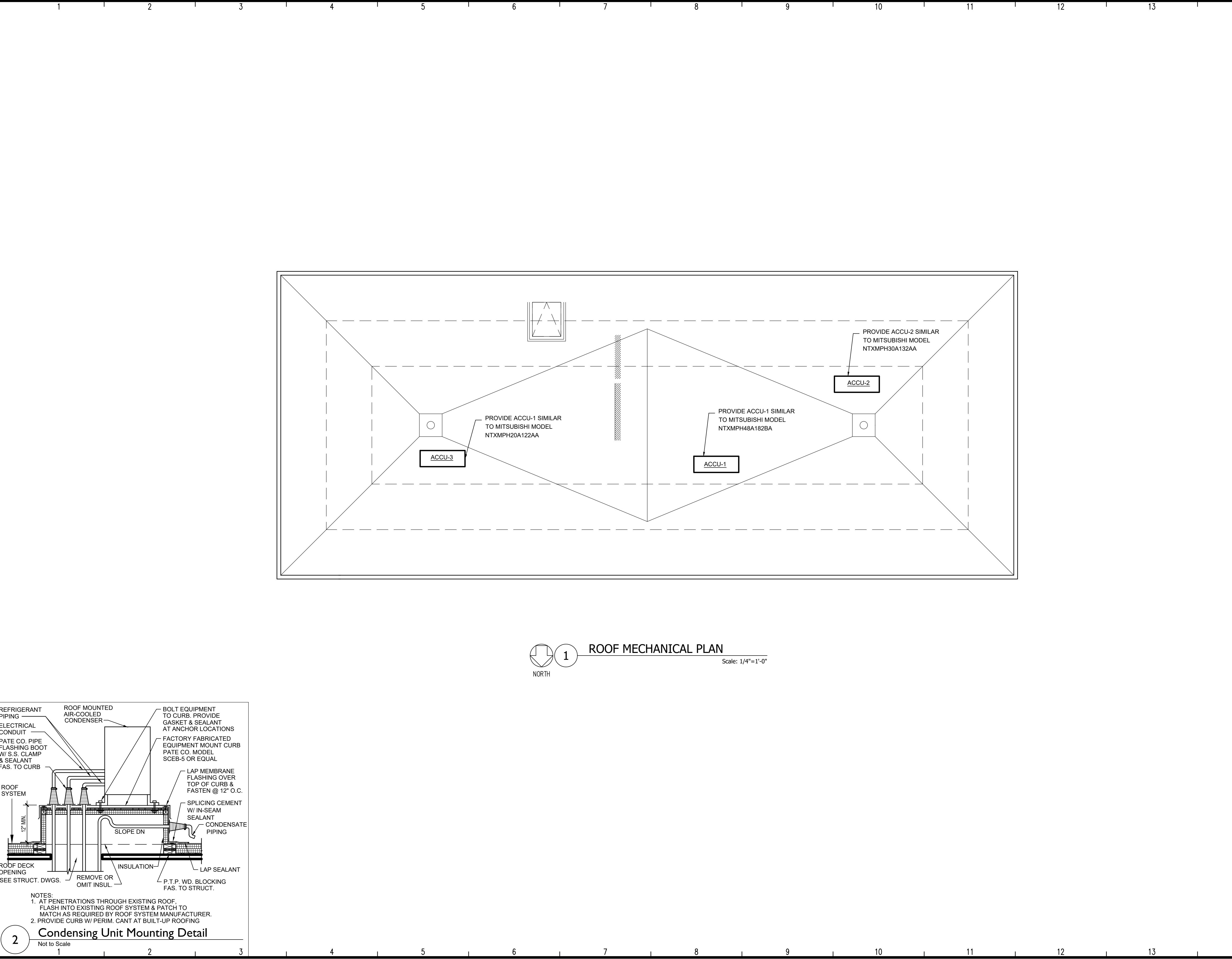
**CABEZAS
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NYS MBE**

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J	CONST. DOCUMENTS	CD
	SECOND FLOOR MECHANICAL PLAN	
	DWG. NO. 2020-015	M101
	DATE: 06/01/2021	BINDING NO.
	SCALE: 1/4"=1'-0"	1
	DRAWN: hjc	
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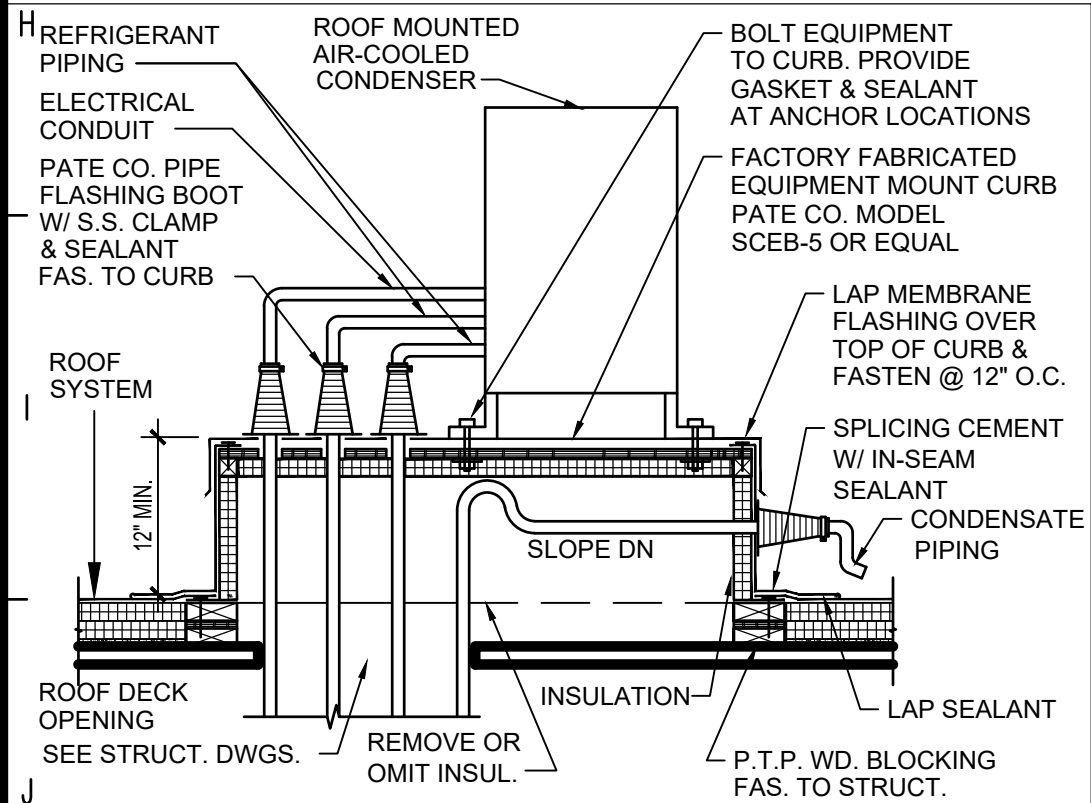
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A
B
C
D
E
F
G
H
I
J



1 ROOF MECHANICAL PLAN

Scale: 1/4"=1'-0"



- NOTES:
1. AT PENETRATIONS THROUGH EXISTING ROOF, FLASH INTO EXISTING ROOF SYSTEM & PATCH TO MATCH AS REQUIRED BY ROOF SYSTEM MANUFACTURER.
2. PROVIDE CURB W/ PERIM. CANT AT BUILT-UP ROOFING

2 Condensing Unit Mounting Detail

Not to Scale

REVISIONS:
NUMBER DATE



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Keji Lin and Ailhua Zhu

202 S. Franklins St. Watkins Glen, NY

CONST. DOCUMENTS

CD

ROOF
MECHANICAL PLAN

DWG. NO. 2020-015 M102

DATE: 06/01/2021

BINDING NO.

SCALE: 1/4"=1'-0"

DRAWN: hjc

CHECKED: hjc

1

1 2 3 4 5 6 7 8 9 10 11 12 13

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SECOND FLOOR APARTMENT B
SECOND FLOOR APARTMENT A
RESTAURANT AND HOUSE METER

WH-1
WH-2

PROVIDE 4" UNDER GROUND CONDUIT FROM POLE TO JUNCTION BOX BELOW METERS COORDINATE FEEDER QUANTITIES AND SIZES WITH ELECTRIC COMPANY

EF-5
EF-1
EF-2

PP1-11, 13
PP1-14, 16
PP1-5
PP1
PP1-15, 17
PP1-2
PP1-7, 9
PP1-10, 12
PP1-22

GFI
GFI
GFI WP
GFI WP

ACU-1
ACU-2
ACU-3

EBB-2
EBB-2
EBB-2
EBB-2

PP2-5, 7

GROUND PANEL IN ACCORDANCE WITH NEC ARTICLE 250

POTS
FACP

FD

EXISTING TELEPHONE POLE TO REMAIN

1 NORTH

Scale: 1/4"=1'-0"

1 FIRST FLOOR POWER PLAN

1 2 3 4 5 6 7 8 9 10 11 12 13

The diagram is a detailed first-floor power plan for a building. It shows the layout of various electrical components and their interconnections. Key features include:
- **Meters and Panels**: Located along the top wall, including 'SECOND FLOOR APARTMENT B', 'SECOND FLOOR APARTMENT A', and 'RESTAURANT AND HOUSE METER'. Below these are two water heaters labeled 'WH-1' and 'WH-2'.
- **Conduits and Feeder Lines**: A note indicates 'PROVIDE 4" UNDER GROUND CONDUIT FROM POLE TO JUNCTION BOX BELOW METERS COORDINATE FEEDER QUANTITIES AND SIZES WITH ELECTRIC COMPANY'.
- **Equipment and Fixtures**: Various symbols represent electrical equipment, including switches (S), outlets (O), and fixtures (F). Specific labels include 'EF-5', 'EF-1', 'EF-2', 'PP1-11, 13', 'PP1-14, 16', 'PP1-5', 'PP1', 'PP1-15, 17', 'PP1-2', 'PP1-7, 9', 'PP1-10, 12', 'PP1-22', 'GFI', 'GFI WP', 'ACU-1', 'ACU-2', 'ACU-3', 'EBB-2', 'POTS', 'FACP', and 'FD'.
- **Room Layout**: The plan shows a large open area with a staircase on the left side. A 'GROUND PANEL IN ACCORDANCE WITH NEC ARTICLE 250' is indicated in the center.
- **External Connections**: An 'EXISTING TELEPHONE POLE TO REMAIN' is shown on the right side of the building.
- **Orientation and Scale**: A north arrow points towards the bottom left, and the scale is given as '1/4"=1'-0"'. The plan is labeled '1 FIRST FLOOR POWER PLAN'.



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DWG. NO. 2020-015 E100

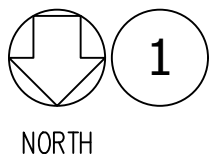
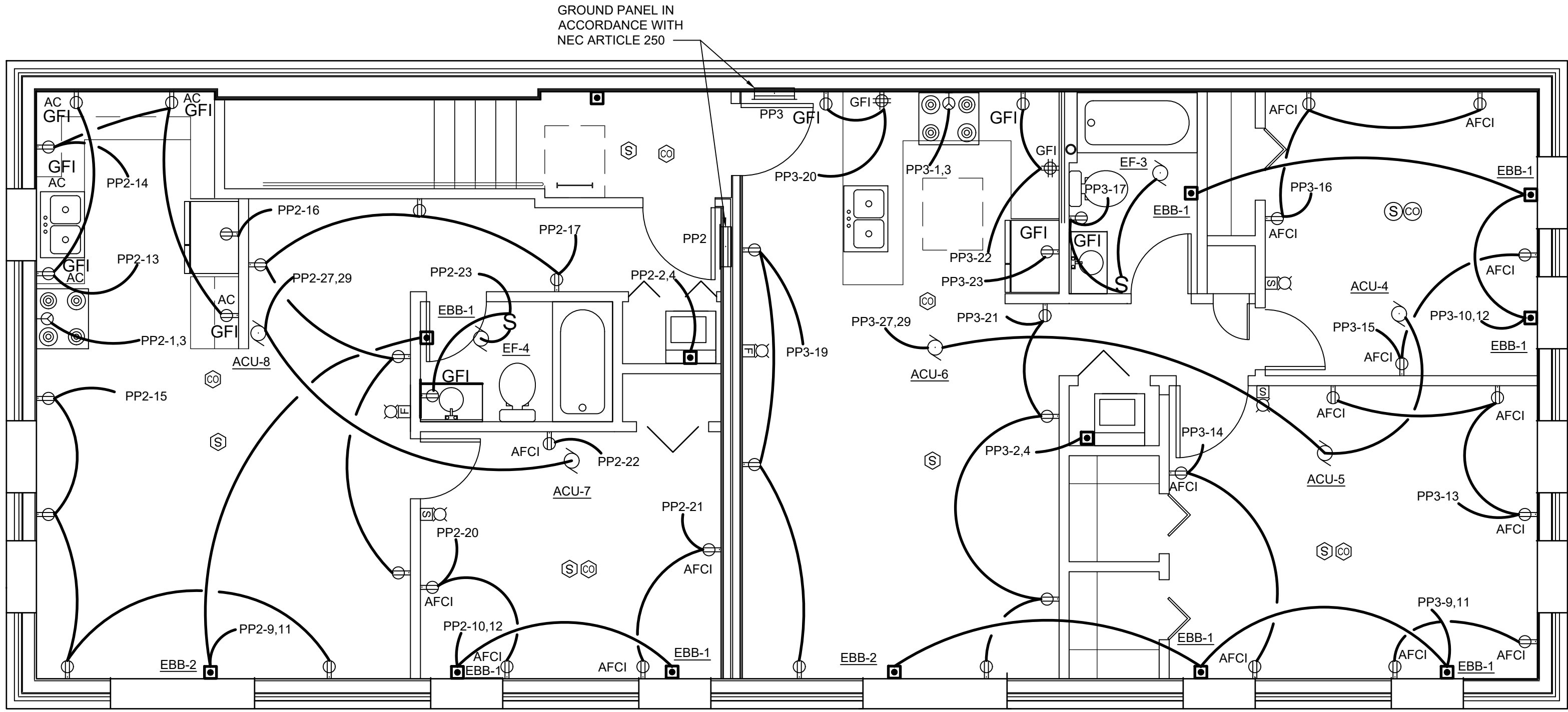
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1 2 3 4 5 6 7 8 9 10 11 12 13



SECOND FLOOR POWER PLAN

Scale: 1/4"=1'-0"

REVISIONS:
NUMBER DATE



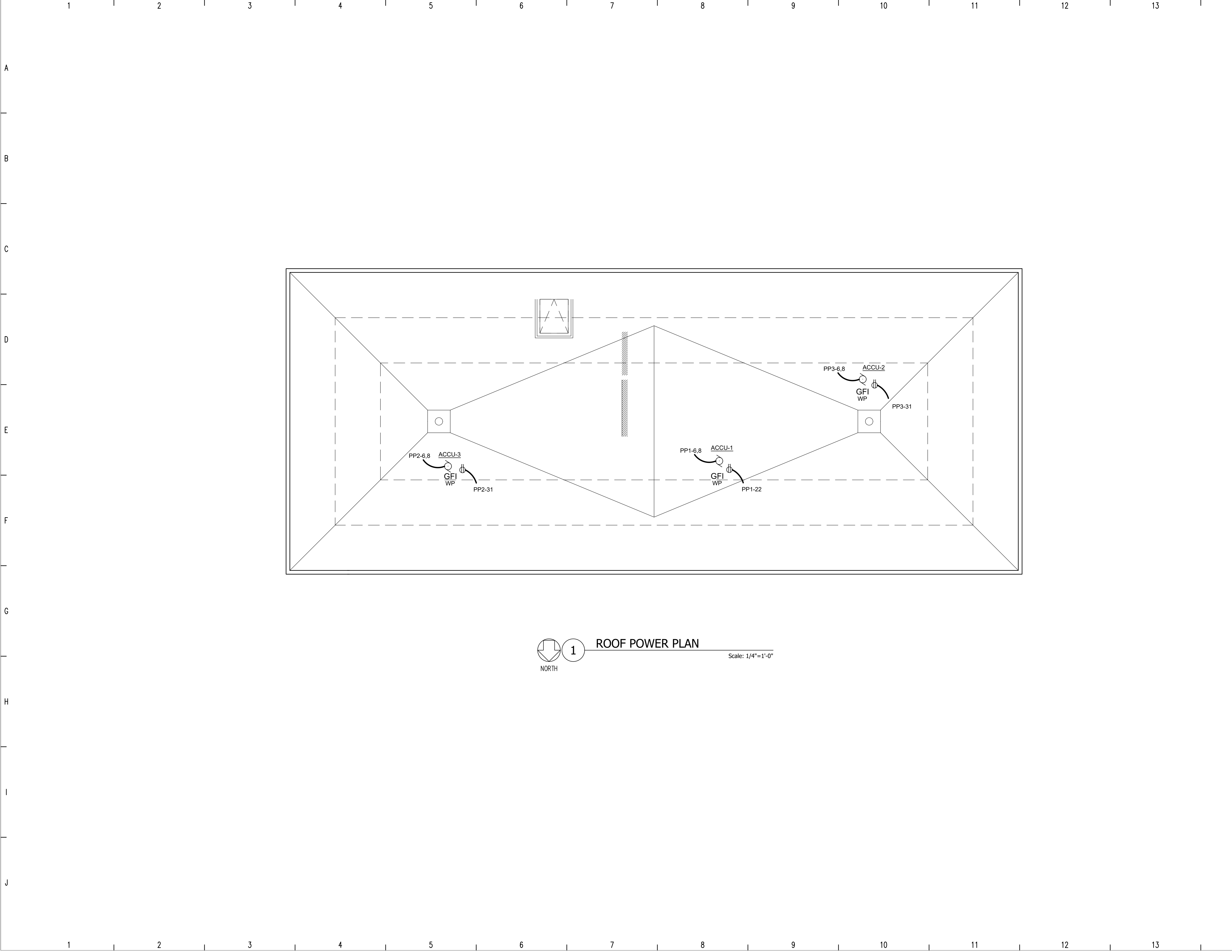
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SECOND FLOOR POWER PLAN		
DWG. NO. 2020-015 E101		
DATE: 06/01/2021	BINDING NO.	
SCALE: 1/4"=1'-0"	1	
DRAWN: hjc		
CHECKED: hjc		

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ROOF POWER PLAN

Scale: 1/4"=1'-0"

REVISIONS:
NUMBER DATE



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ROOF
POWER PLAN

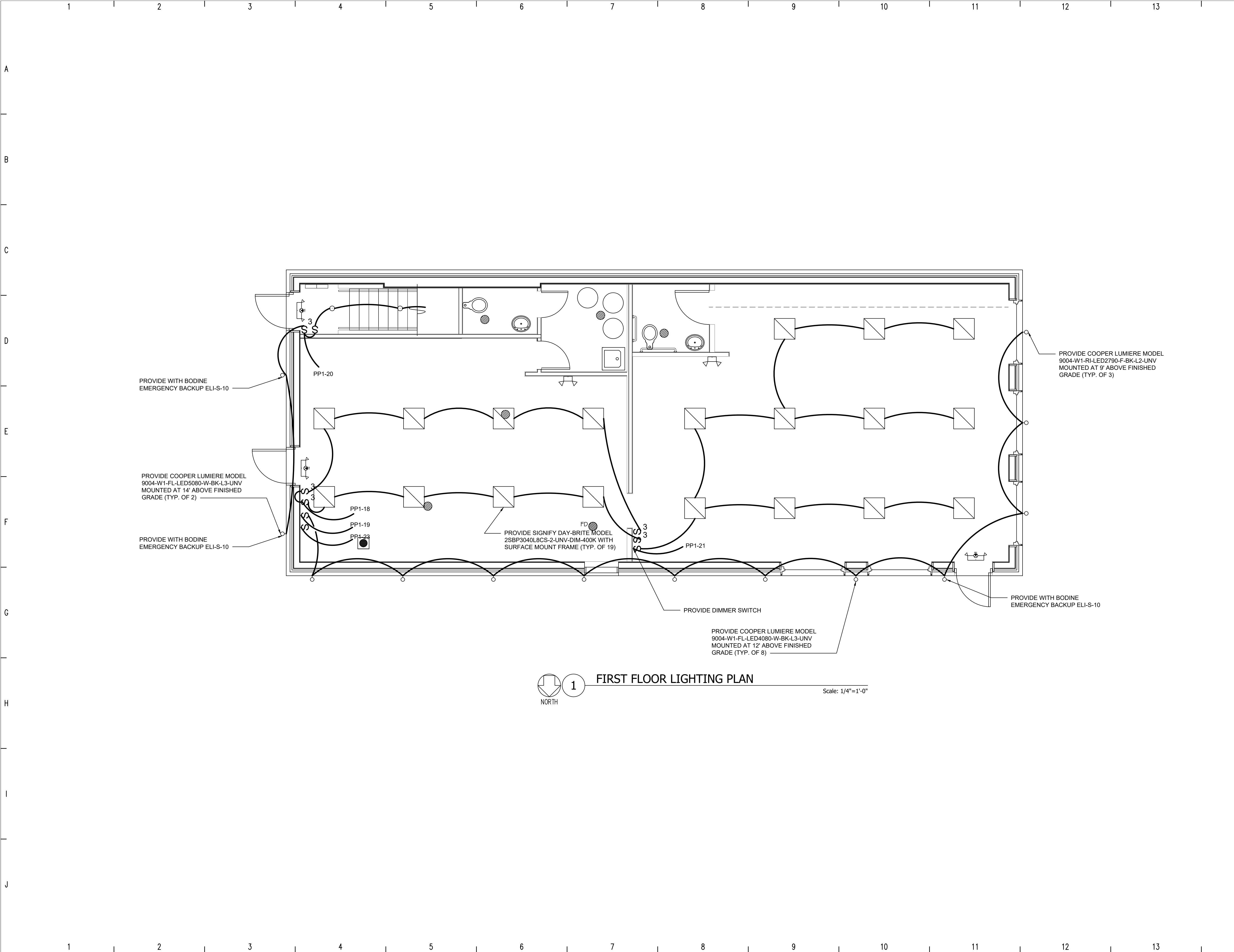
DWG. NO. 2020-015 E102

DATE: 06/01/2021
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CHECKED: hjc

BINDING NO.

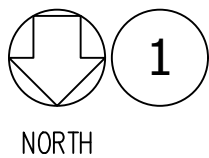
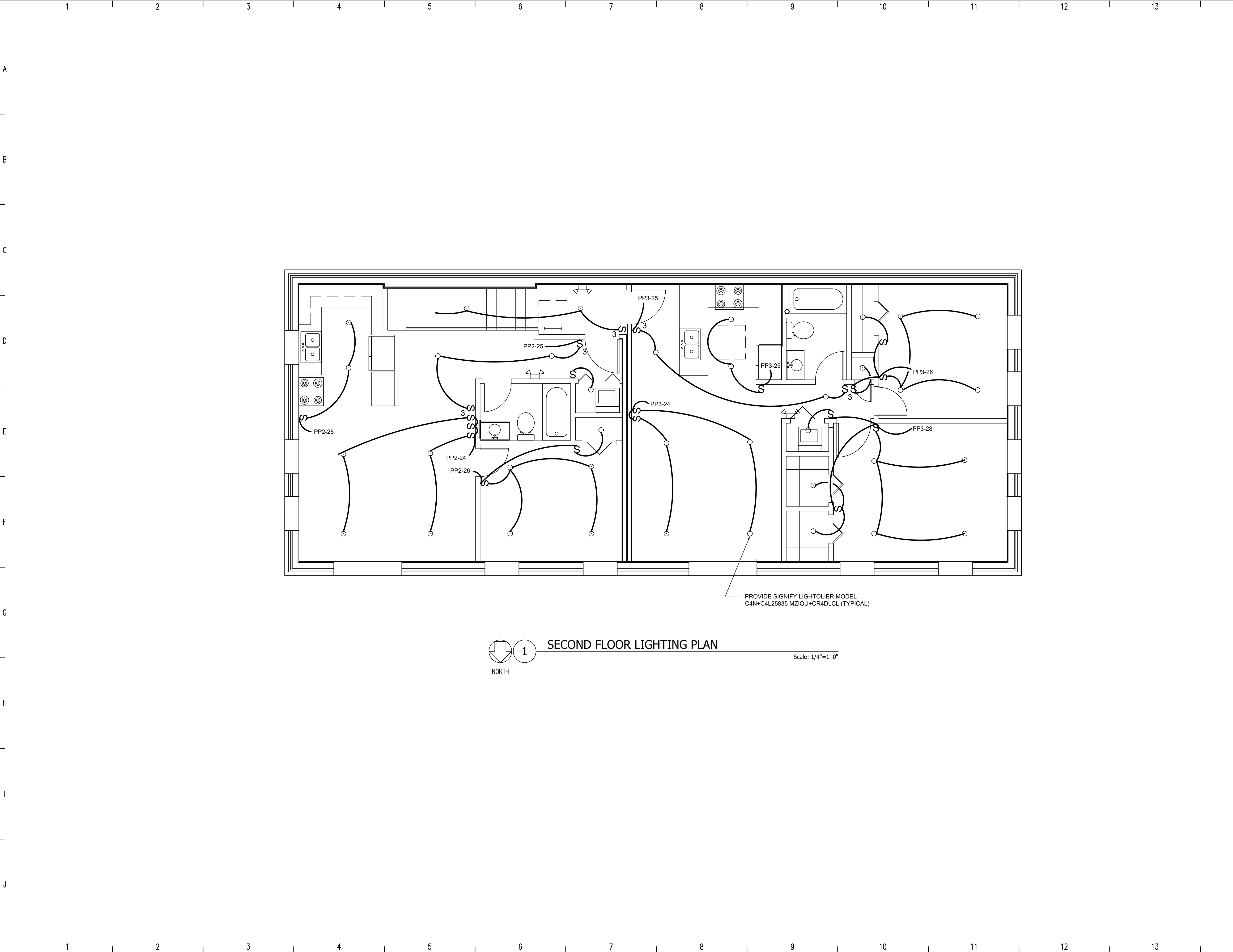
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FIRST FLOOR LIGHTING PLAN	
DWG. NO. 2020-015 E103	
DATE: 06/01/2021	BINDING NO.
SCALE: 1/4"=1'-0"	1
DRAWN: hjc	
CHECKED: hjc	

NEW YORK STATE EDUCATION LAW, ARTICLE 147, COMMISSIONER'S REGULATIONS, PART 69: IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DRAWING IN ANY WAY.



SECOND FLOOR LIGHTING PLAN

Scale: 1/4"=1'-0"

REVISIONS:
NUMBER DATE

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SECOND FLOOR
LIGHTING PLAN

DWG. NO. 2020-015

E104

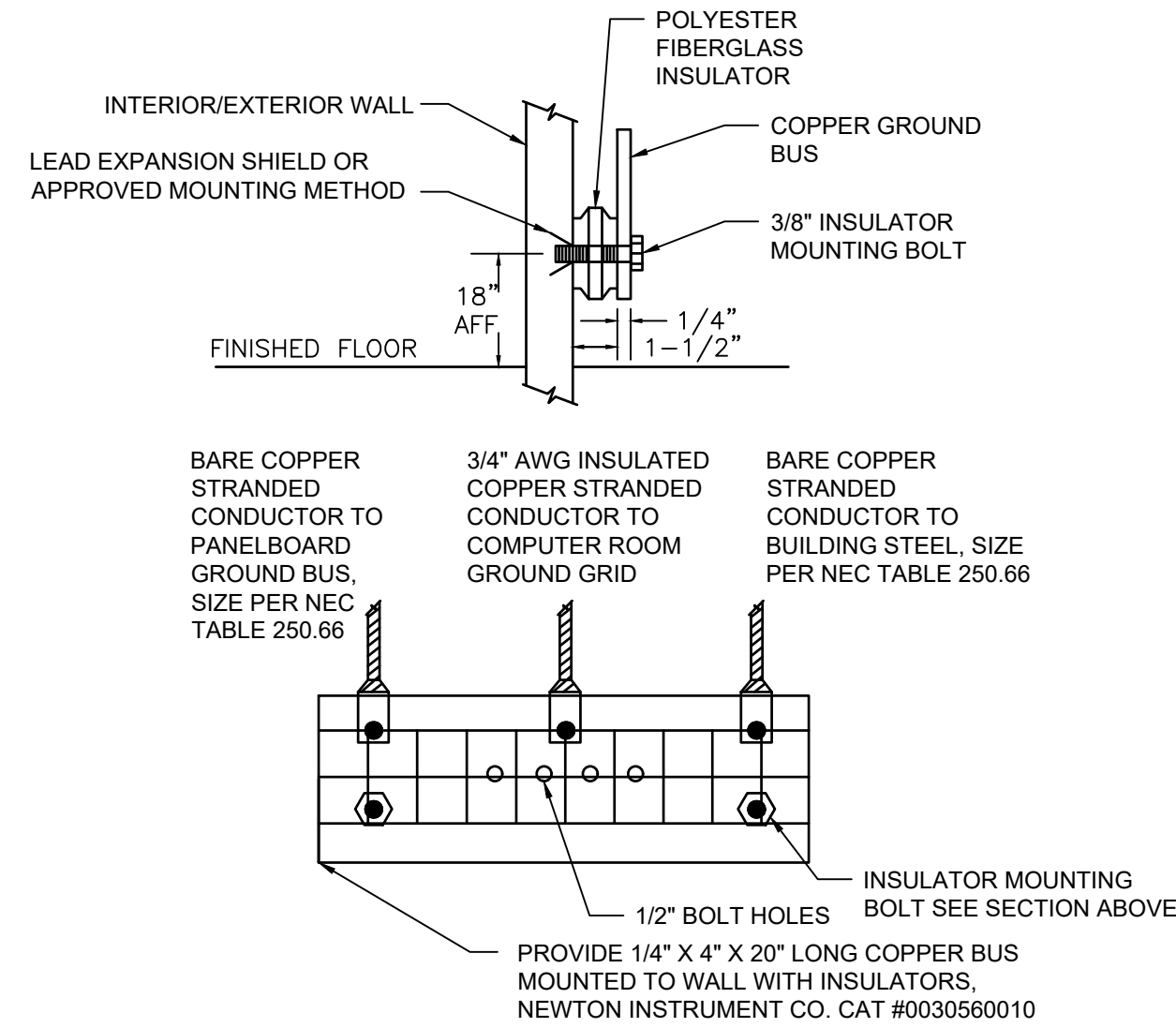
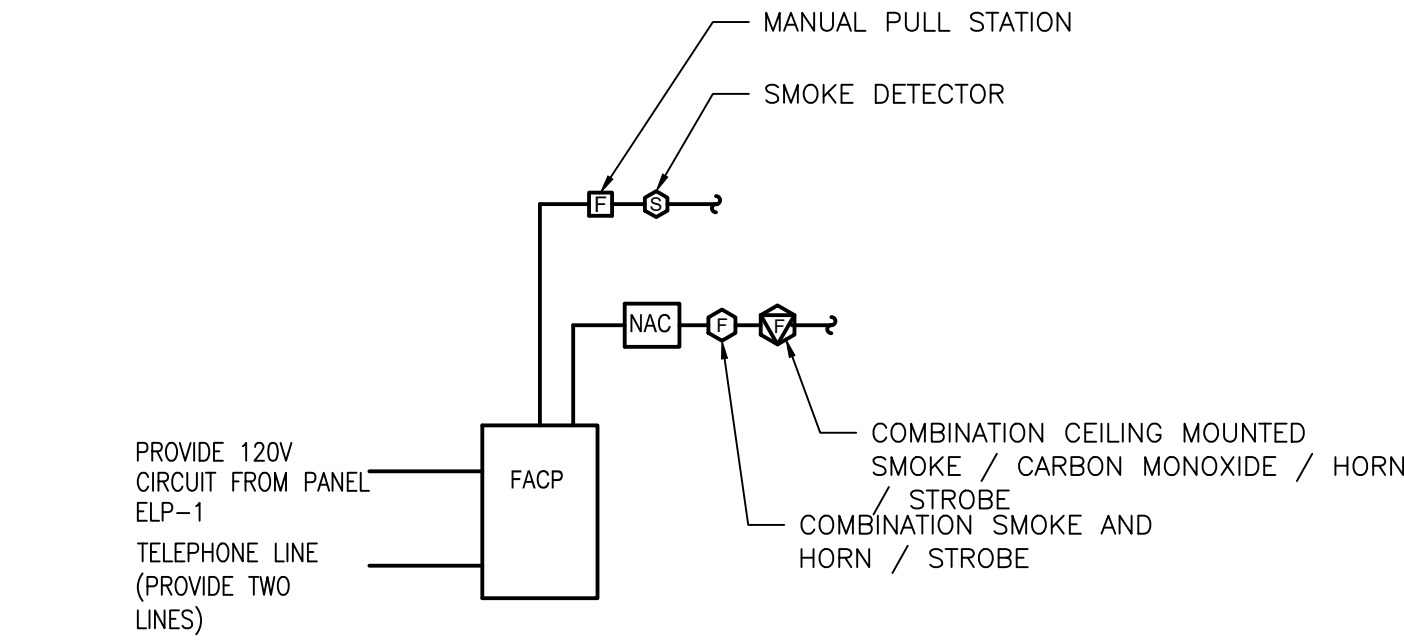
DATE: 06/01/2021
SCALE: 1/4"=1'-0"
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2 FIRE ALARM ONE LINE DIAGRAM
N.T.S.



1 TYPICAL GROUNDING BAR DETAIL
N.T.S.

NEC TABLE 250.66			
SIZE OF LARGEST UNGROUNDED SERVICE-ENTRANCE CONDUCTOR OR EQUIVALENT AREA FOR PARELLEL CONDUCTORS (AWG/KCMIL)		SIZE OF GROUNDING ELECTRODE CONDUCTOR (AWG/KCMIL)	
COPPER	ALUMINUM OR COPPER-CLAD ALUMINUM	COPPER	ALUMINUM OR COPPER-CLAD ALUMINUM
2 OR SMALLER	1/0 OR SMALLER	8	6
1 OR 1/0	1/0 OR 3/0	6	4
2/0 OR 3/0	4/0 OR 500	4	2
OVER 3/0 THROUGH 350	OVER 250 THROUGH 500	2	1/0
OVER 350 THROUGH 600	OVER 500 THROUGH 900	1/0	3/0
OVER 600 THROUGH 1100	OVER 900 THROUGH 1750	2/0	4/0
OVER 1100	OVER 1750	3/0	250

CONDUCTOR AND CONDUIT SCHEDULE					
NOMINAL AMPERE RATING	NUMBER OF SETS	PHASE & NEUTRAL CONDUCTOR		GROUND CONDUCTOR	
		QTY OF COND.	COPPER SIZE AWG/KCMIL	QTY OF COND.	COPPER SIZE AWG/KCMIL
100	1	4	2	1	8
125	1	4	1/0	1	6
175	1	4	2/0	1	6
200	1	4	3/0	1	6
400	2	4	3/0	1	3
20	1	2	12	1	12
30	1	2	10	1	10
40	1	2	8	1	8
50	1	2	6	1	6

PANEL: PP1 SERVICE ENTRANCE RATED PANEL					
LOCATION: MECH ROOM MOUNTING: RECESSED VOLTAGE/PHASE: 120/208 3 PHASE, 4 WIRE MIN AIC RATING: 10,000			BUS / MAIN: 400A / 400A MCB FEEDER: (4) #3/0, (1) #3, 2" CONDUIT FED FROM: MAIN DISCONNECT / MECH ROOM ACCESSORIES: DOOR-IN-DOOR WITH PIANO HINGE *- GFI BREAKER **- SHUNT TRIP BEAKER		
CKT #	LOAD DESCRIPTION	CKT BKR AMP	CKT BKR POLE	LOAD DESCRIPTION	CKT #
1	OUTLETS	20	1	OUTLETS	2
3	OUTLETS	20	1	OUTLETS	4
5	MECH ROOM LIGHT/FAN	20	1	AIR COOLED CONDENSING UNIT	6
7	ELECTRIC BASEBOARD	15	2		8
9				ELECTRIC BASEBOARD	10
11	ELECTRIC BASEBOARD	15	2		12
13				ELECTRIC WATER HEATER	14
15	AIR COOLED CONDENSING UNIT - 2	30	2		16
17				LIGHTS	18
19	LIGHTS	15	1	LIGHTS	20
21	LIGHTS	15	1	OUTLETS	22
23	SIGN	15	1		24
25					26
27					28
29					30
31					32
33					34
35					36
37					38
39					40

PANEL: PP2 SERVICE ENTRANCE RATED PANEL					
LOCATION: APARTMENT A MOUNTING: RECESSED VOLTAGE/PHASE: 120/208 1 PHASE, 3 WIRE MIN AIC RATING: 10,000			BUS / MAIN: 200A / 200A MCB FEEDER: (2) #3/0, (1) #4, 2" CONDUIT FED FROM: MAIN DISCONNECT / MECH ROOM ACCESSORIES: DOOR-IN-DOOR WITH PIANO HINGE *- GFI BREAKER **- SHUNT TRIP BEAKER		
CKT #	LOAD DESCRIPTION	CKT BKR AMP	CKT BKR POLE	LOAD DESCRIPTION	CKT #
1	KITCHEN STOVE	40	2	STACKED WASHER / DRYER	2
3					4
5	ELECTRIC WATER HEATER	30	2	AIR COOLED CONDENSING UNIT	6
7					8
9	ELECTRIC BASEBOARD	15	2	ELECTRIC BASEBOARD	10
11					12
13	OUTLETS	20	1	OUTLETS	14
15	OUTLETS	20	1	OUTLETS	16
17	OUTLETS	20	1	OUTLETS	18
19	OUTLETS	20	1	OUTLETS	20
21	OUTLETS	20	1	OUTLETS	22
23	OUTLETS	20	1	LIGHTS	24
25	LIGHTS	15	1	LIGHTS	26
27	AIR CONDITIONING UNIT	15	2	SPARE	28
29				SPARE	30
31	OUTLETS	20	1	SPARE	32
33	SPARE	20	1	SPARE	34
35					36
37					38
39					40

PANEL: PP3 SERVICE ENTRANCE RATED PANEL					
LOCATION: APARTMENT B MOUNTING: RECESSED VOLTAGE/PHASE: 120/208 1 PHASE, 3 WIRE MIN AIC RATING: 10,000			BUS / MAIN: 200A / 200A MCB FEEDER: (2) #3/0, (1) #4G, 2" CONDUIT FED FROM: MAIN DISCONNECT / MECH ROOM ACCESSORIES: DOOR-IN-DOOR WITH PIANO HINGE *- GFI BREAKER **- SHUNT TRIP BEAKER		
CKT #	LOAD DESCRIPTION	CKT BKR AMP	CKT BKR POLE	LOAD DESCRIPTION	CKT #
1	KITCHEN STOVE	40	2	STACKED WASHER / DRYER	2
3					4
5	ELECTRIC WATER HEATER	30	2	AIR COOLED CONDENSING UNIT	6
7					8
9	ELECTRIC BASEBOARD	15	2	ELECTRIC BASEBOARD	10
11					12
13	OUTLETS	20	1	OUTLETS	14
15	OUTLETS	20	1	OUTLETS	16
17	OUTLETS	20	1	OUTLETS	18
19	OUTLETS	20	1	OUTLETS	20
21	OUTLETS	20	1	OUTLETS	22
23	OUTLETS	20	1	LIGHTS	24
25	LIGHTS	15	1	LIGHTS	26
27	AIR CONDITIONING UNIT	15	2	LIGHTS	28
29				SPARE	30
31	OUTLETS	20	1	SPARE	32
33	SPARE	20	1	SPARE	34
35					36
37					38
39					40

RADON VENT STACK DETAIL
SCALE: NOT TO SCALE

Labels: GALVANIZED VENT CAP, PROVIDE 1/4" MESH SCREEN OVER OPENING, 6" DIAMETER SCHEDULE 40 HOT-DIP GALVANIZED STEEL PIPE, WATER CUT OFF MASTIC, STAINLESS STEEL CLAMPING RING, PREFABRICATED FLASHING BOOT, PRE-MOLDED PRESSURE SENSITIVE PIPE SEAL, 90 MIL EPDM MEMBRANE COVER BOARD, RIGID INSULATION, CONCRETE PLANK ROOF DECK, 4" SOLID PVC PIPE RATED FOR EXTERIOR USE WITH JOINT SEALED AIR-TIGHT.

Dimensions: 1'-6" MINIMUM, 1'-5" MIN, 10'-0", 20' LENGTH OF PIPE.

UNDERSLAB PIPING DETAIL
SCALE: NOT TO SCALE

Labels: 13" THICK GAS PERMEABLE LAYER (ITEM B-12 CRUSHED STONE, CLEANED), COMPACTED EARTH, WC-1, FD-1, LAV, 4" SAN BURIED, 2" VENT, 3" VENT, 4" SAN BURIED, FS-1.

Water / Sewer Pipe Crossing
NOT TO SCALE

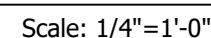
Labels: NEW STORM OR SANITARY LINE, CONCRETE ENCASEMENT OF WATER LINE, NEW WATER MAIN, 1'-5" MIN, 10'-0", 20' LENGTH OF PIPE, ENTIRE LENGTH OF PIPE ENCASED IN CONCRETE SHALL BE WRAPPED IN 8 MIL. POLYETHYLENE ENCASEMENT IN ACCORDANCE WITH ANSI/AWWA C105 A21.5.

Water \ Sewer Separations
NOT TO SCALE

Labels: WATER, SEWER, 1'-6" MINIMUM, PLACE WATER JOINTS EQUIDISTANT FROM SEWER JOINTS, 10'-0" MINIMUM.

VERTICAL SEPARATION

HORIZONTAL SEPARATION



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DWG. NO. 2020-015 P100

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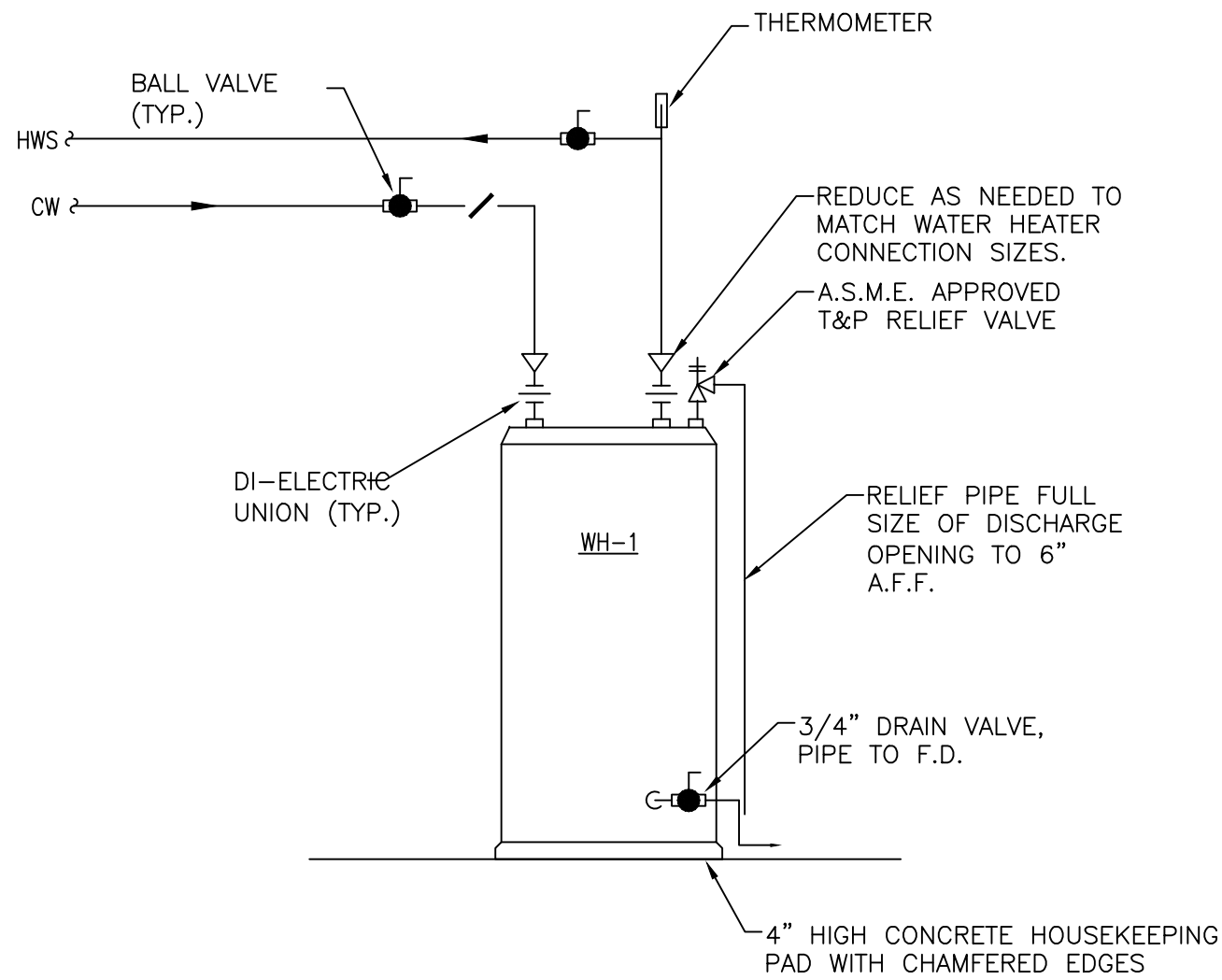
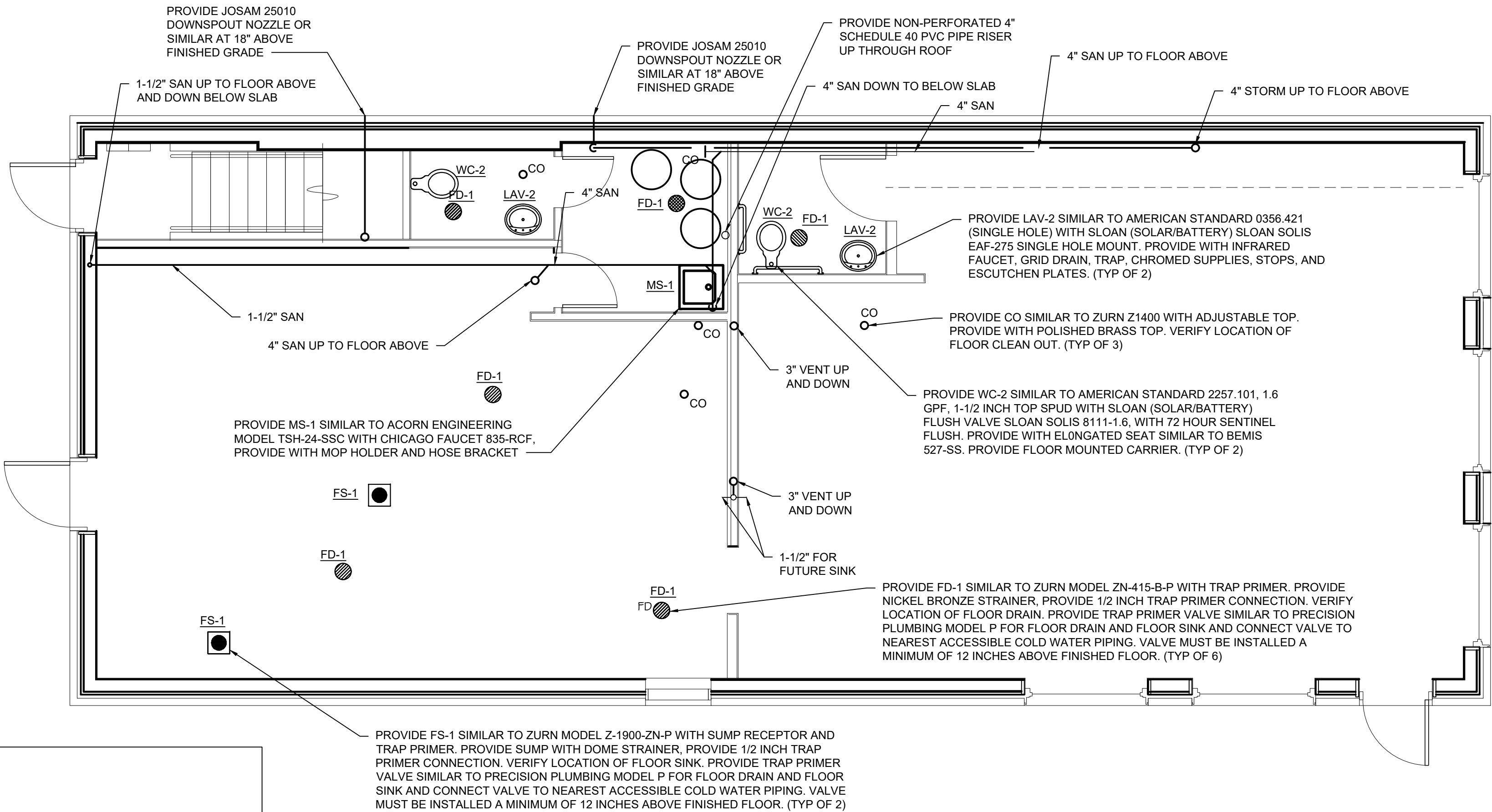
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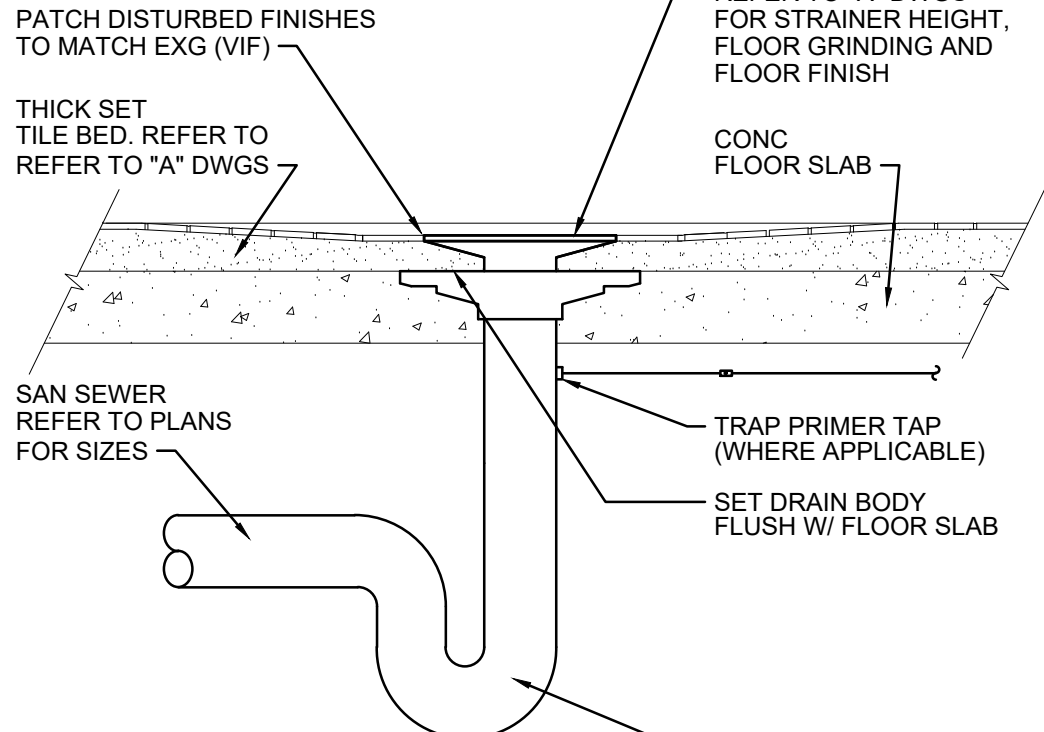
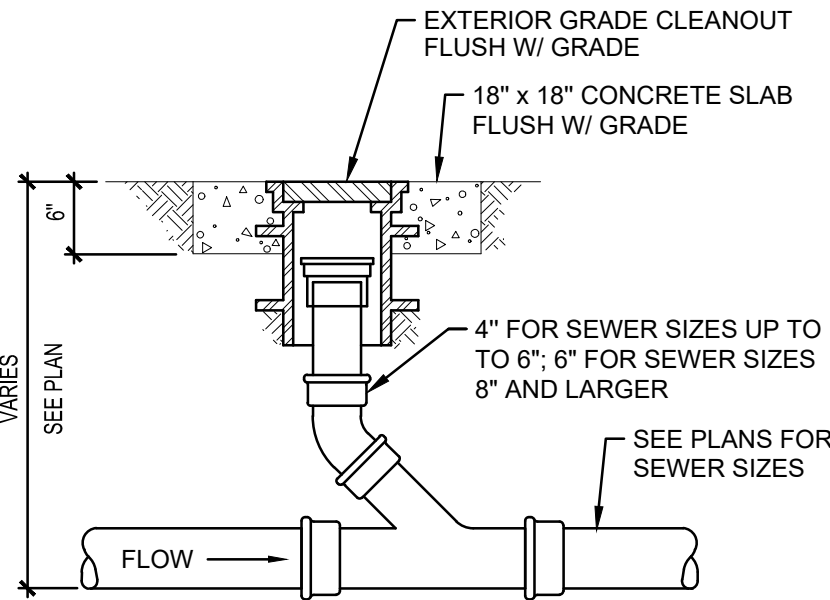
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FIRST FLOOR SANITARY AND STORM WATER PLAN

Scale: 1/4"=1'-0"

FIXTURE PIPE SIZES SCHEDULE				
	COLD WATER	HOT WATER	SANITARY	VENT
WC	1"		4"	2"
LAV	1/2"	1/2"	1 - 1/2"	1 - 1/2"
SK	1/2"	1/2"	1 - 1/2"	1 - 1/2"
SH	1/2"	1/2"	3"	2"
MS	1/2"	1/2"	3"	2"
HYD	3/4"			

NOTES: A. IF FIXTURE NUMBER IS NOT SPECIFICALLY STATED, PIPE SIZES PERTAIN TO ALL LISTINGS OF FIXTURE TYPE.



2

Electric Water Heater Piping Detail

NOT TO SCALE

5

Exterior Grade Cleanout Detail

NOT TO SCALE

6

Floor Drain in Slab On Grade Detail

NOT TO SCALE

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**FIRST FLOOR
SANITARY AND
STORM WATER
PLAN**

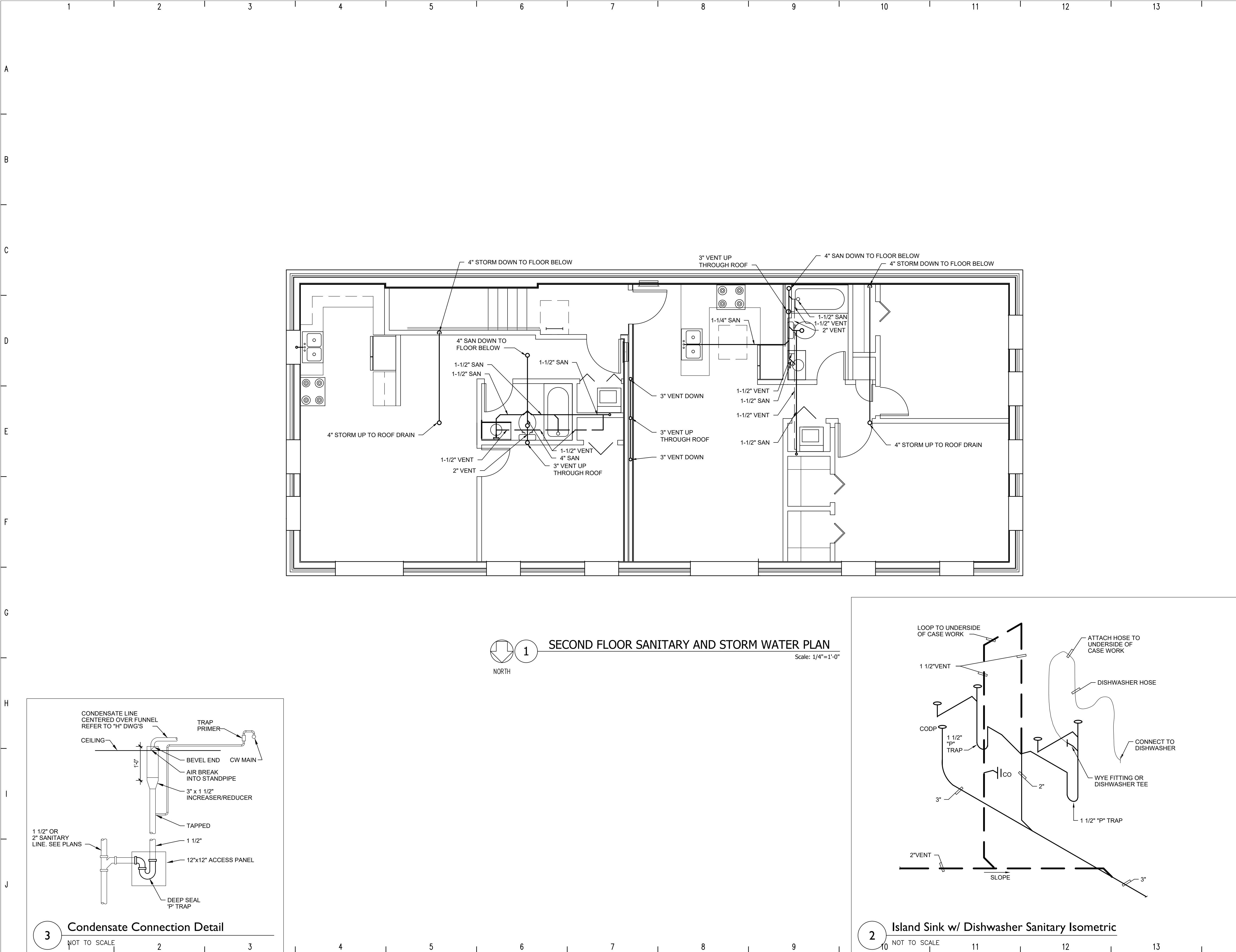
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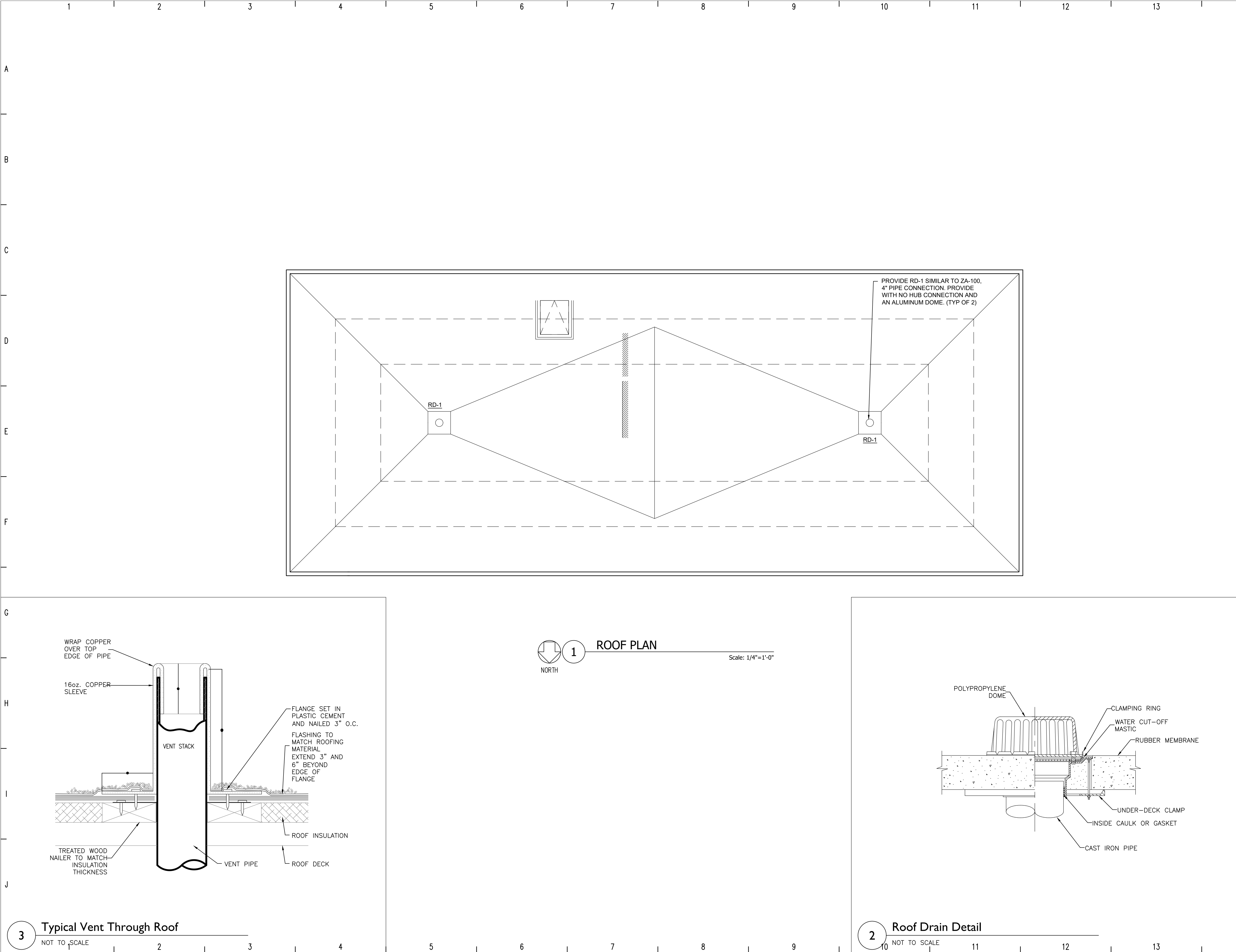
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ROOF PLAN

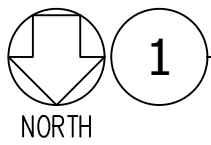
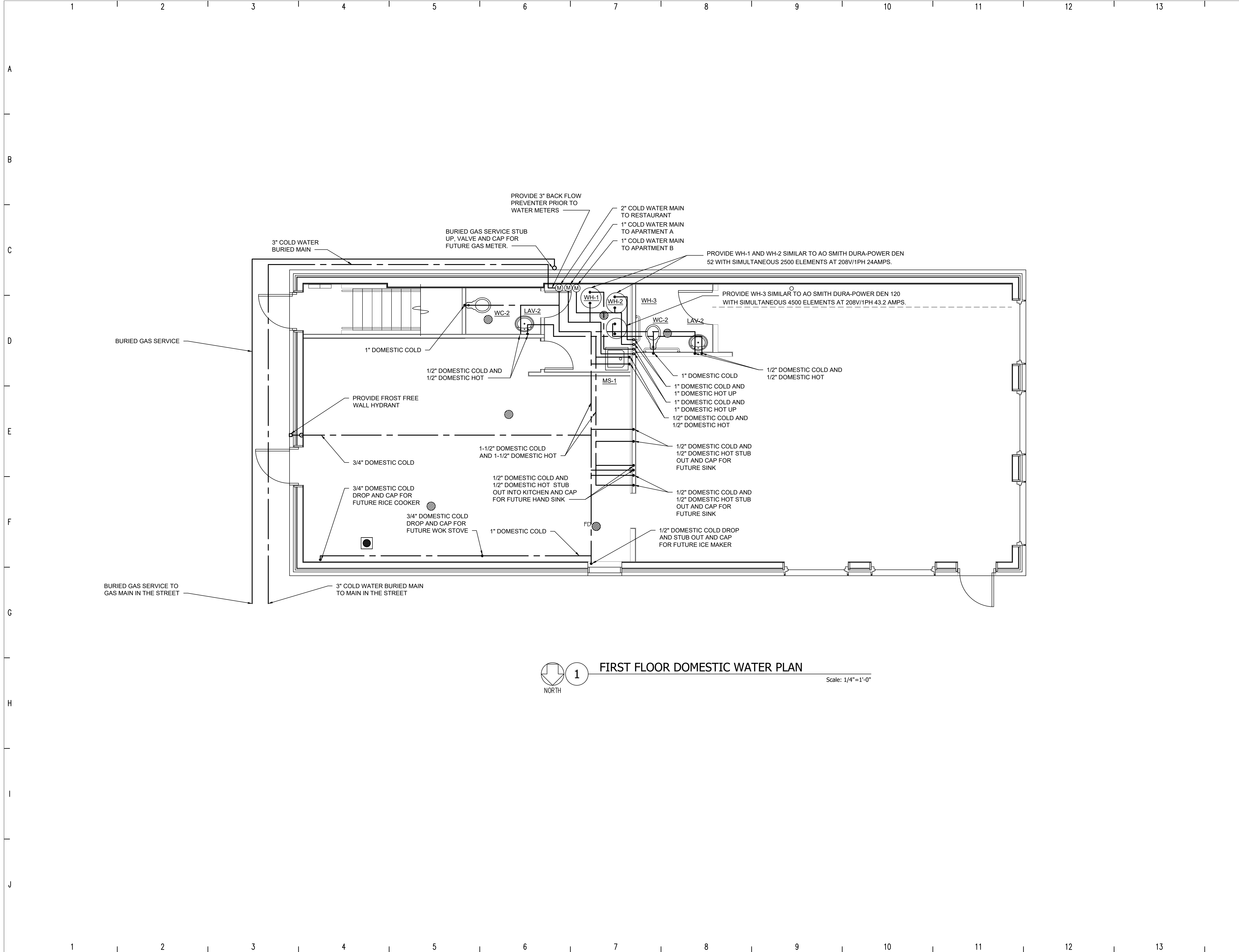
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FIRST FLOOR DOMESTIC WATER PLAN

Scale: 1/4"=1'-0"

REVISIONS:
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FIRST FLOOR
DOMESTIC
WATER PLAN

DWG. NO. 2020-015 P104

DATE: 06/01/2021
SCALE: 1/4"=1'-0"
DRAWN: hjc
CHECKED: hjc

BINDING NO.

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SECOND FLOOR DOMESTIC WATER PLAN

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