



*** GRACE FAMILY MEDICAL PRACTICE ***

4289 NW AMERICAN LANE
LAKE CITY FLORIDA, 32055

*** INDEX ***

OWNER:

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200 NW ANSLEY PLACE
LAKE CITY, FL
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CONTRACTOR:

PLUMB LEVEL CONSTRUCTION
CONTACT: KEVIN BEDENBAUGH, JR.
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CIVIL ENGINEER:

CAROL CHADWICK, P.E.
1208 S.W. FAIRFAX GLEN
LAKE CITY, FL 32025
307.680.1772
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APPLICABLE CODES

2020 FLORIDA BUILDING CODE, 11TH EDITION
2017 NATIONAL ELECTRIC CODE (NFPA 70)
2020 FLORIDA PLUMBING CODE, 11TH EDITION
2020 FLORIDA MECHANICAL CODE, 11TH EDITION
FLORIDA FIRE PROTECTION CODE, 11TH EDITION, NFPA 1
FLORIDA FIRE PROTECTION CODE, 11TH EDITION, NFPA 101

OCCUPANCY CLASS

BUSINESS (B)

TYPE OF CONSTRUCTION

TYPE VB

CONSTRUCTION DOCUMENTS

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES, FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK OR FABRICATION OF MATERIALS.

Digitally signed
by Carol
Chadwick
DN: c=US,
o=Florida,
dnQualifier=A014
10D0000017EB6D
924CE0005954C,
cn=Carol
Chadwick
Date: 2023.03.16
20:37:07 -04'00'

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LAKE CITY, FLORIDA

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Cell: (386) 867-1191
Email: teenaruffo@gmail.com

PRINTED DATE:
Thursday, March 16, 2023

DRAWN BY: CHECKED BY:

BUILDING CONTRACTOR:

PLUMB LEVEL CONSTRUCTION

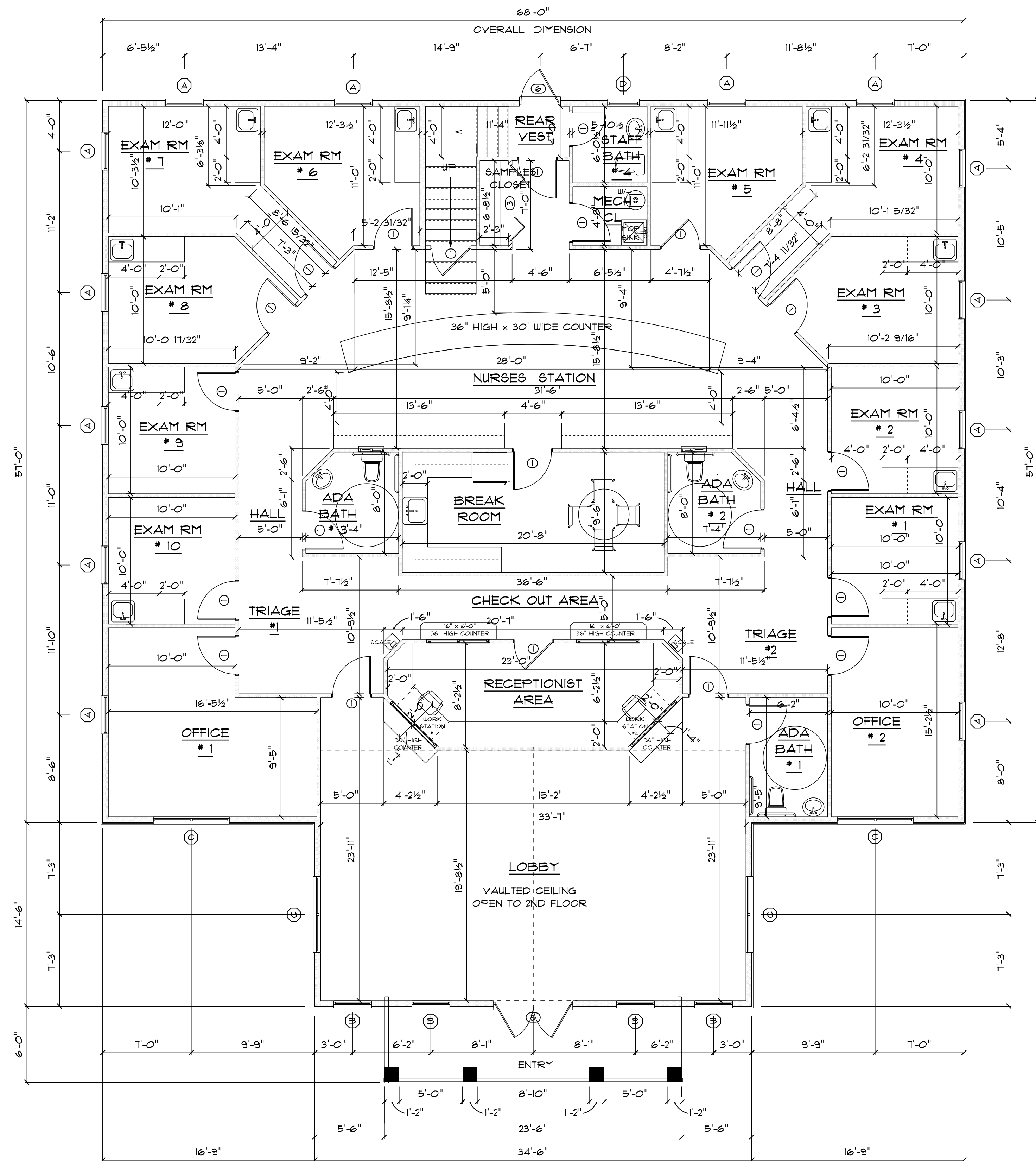
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C-1

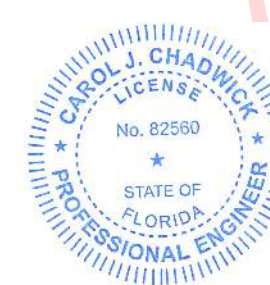
OF 14 SHEETS



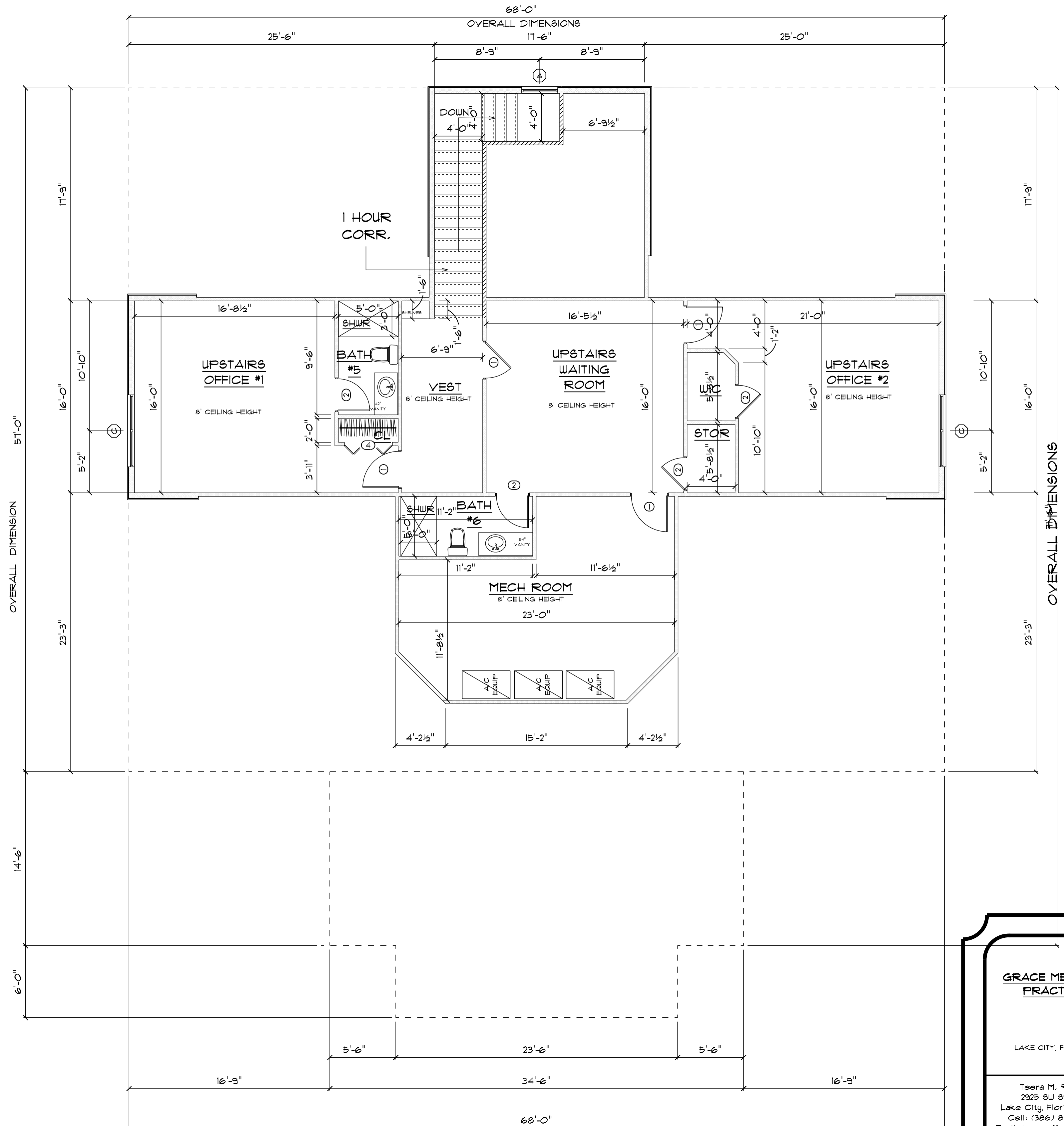
* FIRST FLOOR PLAN *

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

1ST FLOOR A/C AREA	=	4316 S.F.
BONUS AREA A/C AREA	=	1369 S.F.
COVERED ENTRY	=	140 S.F.
TOTAL AREA UNDER ROOF	=	5885 S.F.



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* SECOND * * FLOOR PLAN *

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

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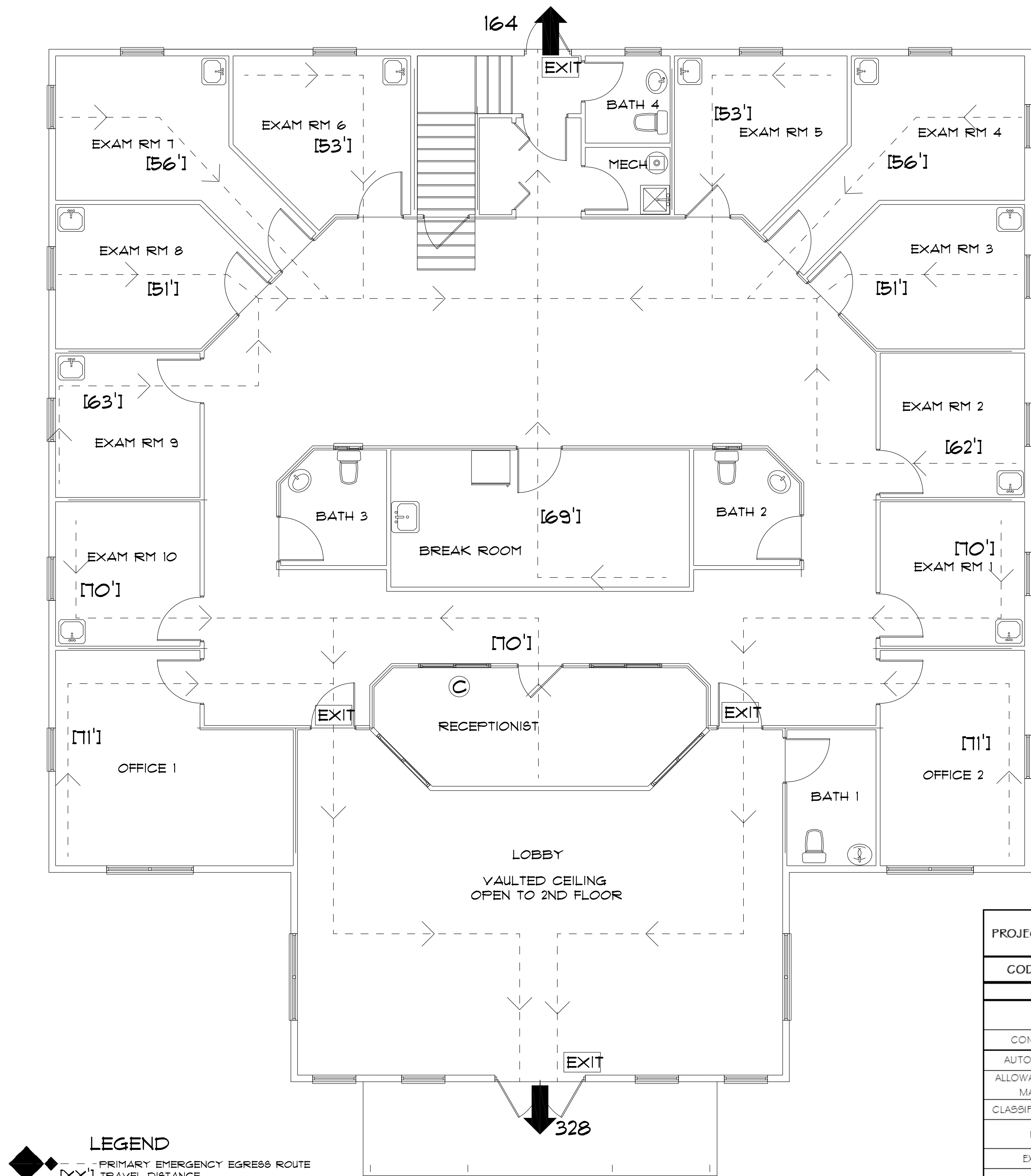
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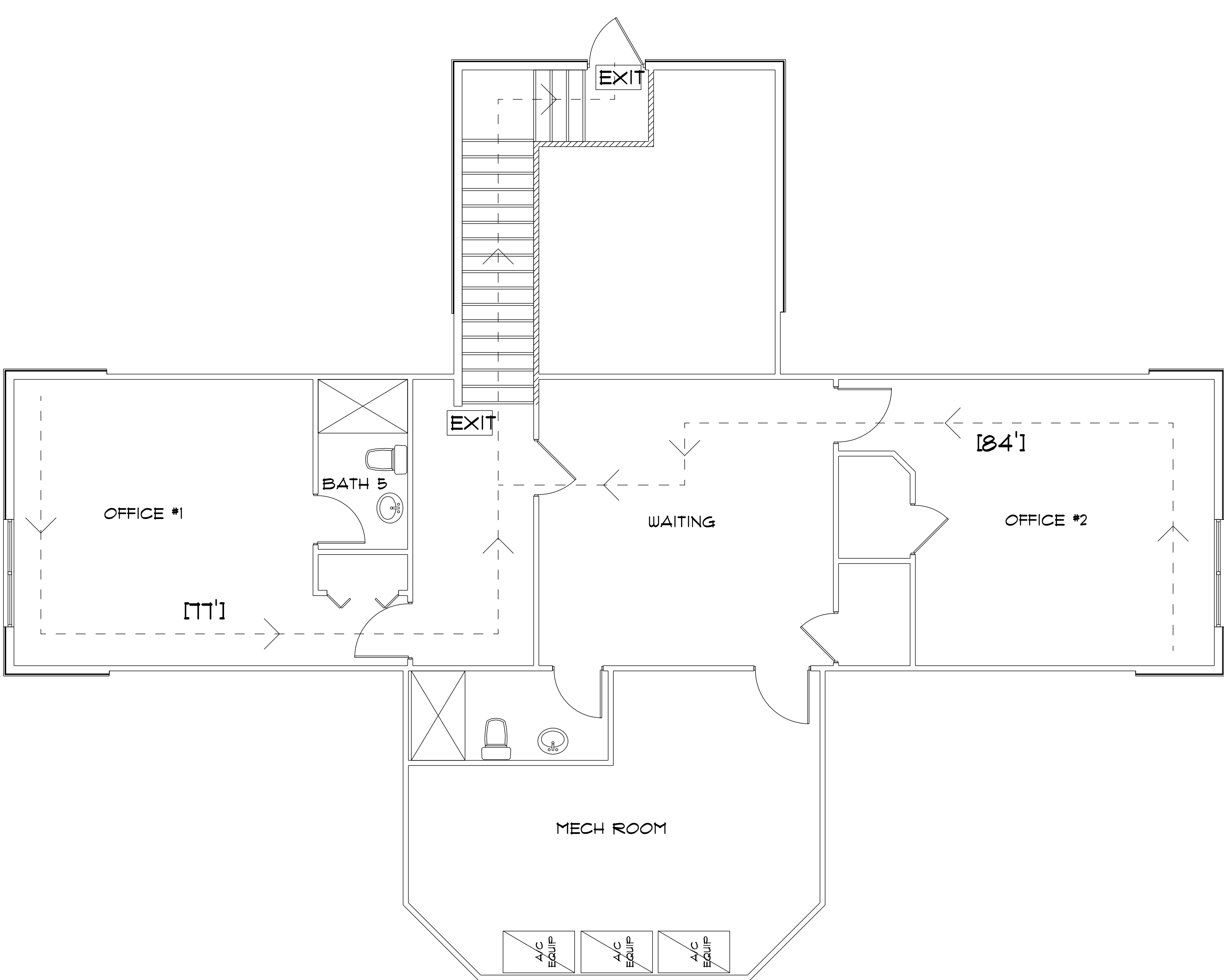
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A-1

OF 14 SHEETS



1ST FLOOR
NOT TO SCALE



2ND FLOOR
NOT TO SCALE

PROJECT DESCRIPTION	NEW MEDICAL OFFICE		
CODES IN EFFECT	FLORIDA BUILDING CODES 2020, 7TH ED.		
SUBJECT	REFERENCE	APPLICATION	PROVIDED
OCCUPANCY	BUSINESS GROUP B - FBC SECTION 504.1	BUSINESS GROUP B	BUSINESS GROUP B
CONSTRUCTION TYPE	TABLE 601 - TYPE V B	TYPE V B	TYPE V B
AUTOMATIC SPRINKLERS	REQUIRED -	NOT REQUIRED	NOT PROVIDED
ALLOWABLE BUILDING AREA, MAX. (PER FLOOR)	TABLE 506.2 - B TYPE I B - 9000 S.F.	9000 S.F.	5885 S.F.
CLASSIFICATION SEPARATION	TABLE 602 - N.A.	N.A.	N.A.
HEIGHT, MAX.	TABLE 504.3 - TYPE I B - 40 FEET	40 FEET	28 FEET
EXITS, REQUIRED	TABLE 1006.3.2 - 2 REQUIRED	2 REQUIRED	2 PROVIDED
EXIT TRAVEL, MAX.	TABLE 1017.2 - OCCUPANCY B WITHOUT SPRINKLERS - 200 FT.	OCCUPANCY B WITHOUT SPRINKLERS - 200 FT.	MAX. 77 FT.
CORRIDOR DEAD END LIMIT	FBC SECTION 1020.4 - 20 FT. MAX	20 FT. MAX	NONE
EGRESS (OCCUPANT LOAD)	TABLE 1004.5 - BUSINESS GROUP B - 150 GROSS	150 GROSS	39 TOTAL
EGRESS REQUIREMENTS	TABLE 2902.1 - MALE - 1 PER 25: 2 REQUIRED	1 PER 25: 2 REQUIRED	5 PROVIDED
PLUMBING FIXTURE REQUIREMENTS	TABLE 2902.1 - FEMALE - 1 PER 25: 2 REQUIRED	1 PER 25: 2 REQUIRED	5 PROVIDED
WATER CLOSETS	TABLE 2902.1 - MALE - 1 PER 40: 1 REQUIRED	1 PER 40: 1 REQUIRED	5 PROVIDED
PLUMBING FIXTURE REQUIREMENTS	TABLE 2902.1 - FEMALE - 1 PER 40: 1 REQUIRED	1 PER 40: 1 REQUIRED	5 PROVIDED
LAVATORIES	TABLE 2902.1 - 1 PER 100: 1 REQUIRED	1 PER 100: 1 REQUIRED	DRINKING WATER WILL BE PROVIDED
DRINKING FOUNTAINS	TABLE 2902.1 - 1 REQUIRED	1 REQUIRED	1 PROVIDED
SERVICE SINK	TABLE 2902.1 - 1 REQUIRED	1 REQUIRED	1 PROVIDED

Digitally signed by Carol Chadwick DN: c=US, o=Florida, dnQualifier=A014 10D0000017EB6D 924CE0005954C, cn=Carol Chadwick Date: 2023.03.16 20:37:54 -04'00'



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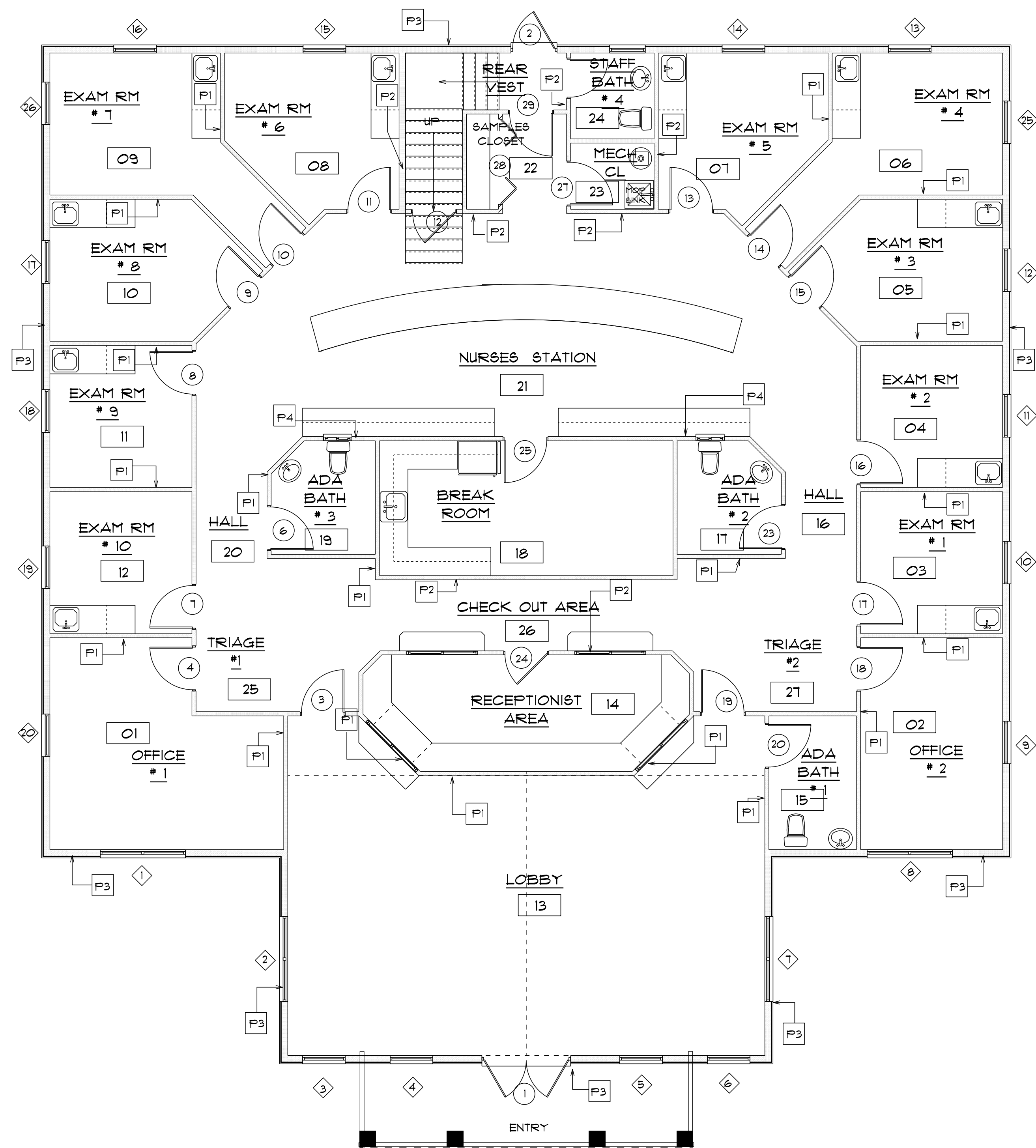
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A-2

OF 14 SHEETS



* SCHEDULES *
for
* MAIN *
* FLOOR PLAN *

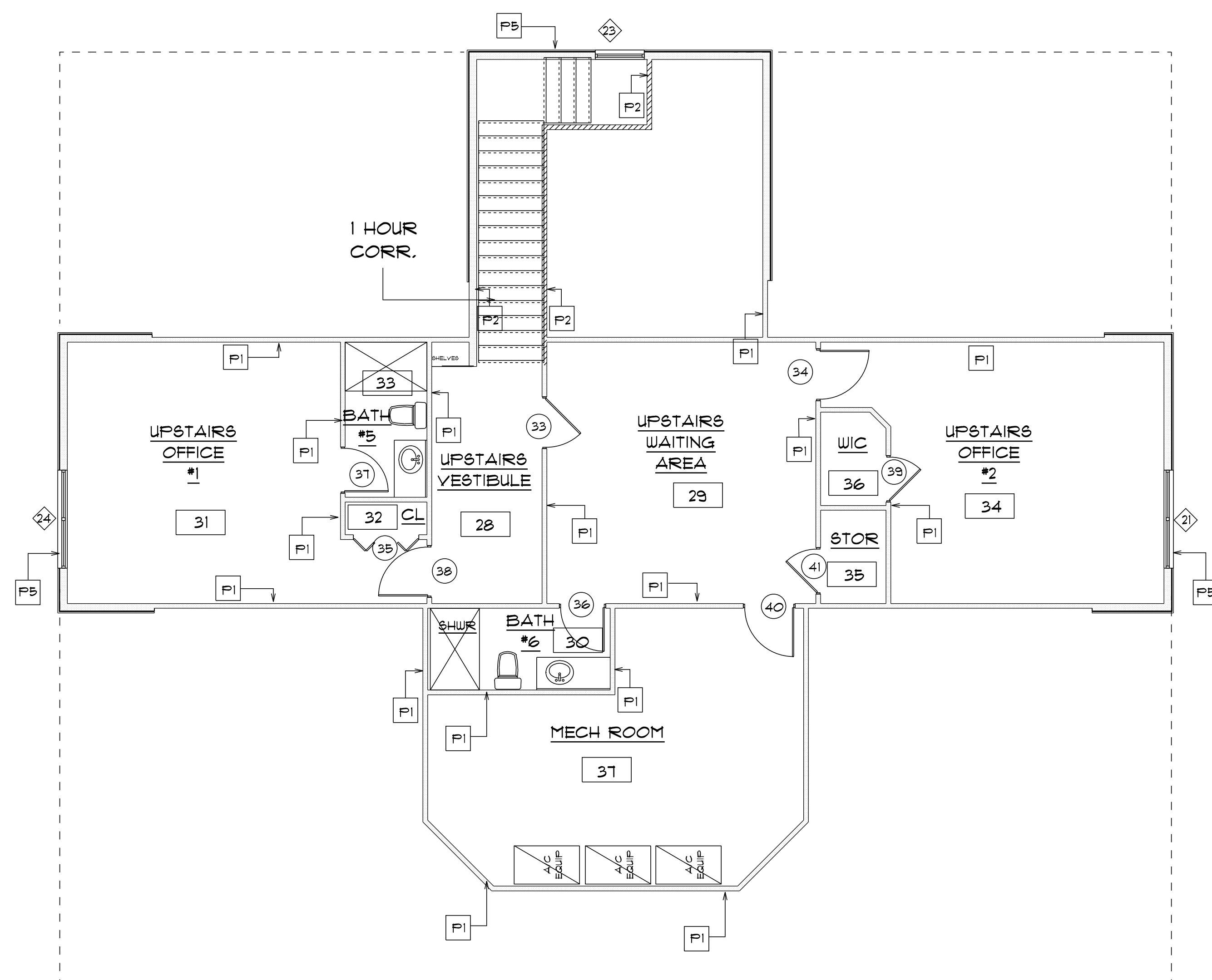
SCALE: 3/16" = 1'-0"

WINDOW SCHEDULE			
MARK	SIZE	TYPE	NOTES
	WIDTH HEIGHT		
1	6'-0" 6'-0"	SINGLE HUNG	--
2	6'-0" 6'-0"	SINGLE HUNG	--
3	3'-0" 6'-0"	SINGLE HUNG	--
4	3'-0" 6'-0"	SINGLE HUNG	--
5	3'-0" 6'-0"	SINGLE HUNG	--
6	3'-0" 6'-0"	SINGLE HUNG	--
7	6'-0" 6'-0"	SINGLE HUNG	--
8	6'-0" 6'-0"	SINGLE HUNG	--
9	3'-0" 5'-0"	SINGLE HUNG	--
10	3'-0" 5'-0"	SINGLE HUNG	--
11	3'-0" 5'-0"	SINGLE HUNG	--
12	3'-0" 5'-0"	SINGLE HUNG	--
13	3'-0" 5'-0"	SINGLE HUNG	--
14	3'-0" 5'-0"	SINGLE HUNG	--
15	3'-0" 5'-0"	SINGLE HUNG	--
16	3'-0" 5'-0"	SINGLE HUNG	--
17	3'-0" 5'-0"	SINGLE HUNG	--
18	3'-0" 5'-0"	SINGLE HUNG	--
19	3'-0" 5'-0"	SINGLE HUNG	--
20	3'-0" 5'-0"	SINGLE HUNG	--
21	6'-0" 6'-0"	SINGLE HUNG	--
22	3'-0" 5'-0"	SINGLE HUNG	--
23	6'-0" 6'-0"	SINGLE HUNG	--
24	6'-0" 6'-0"	SINGLE HUNG	--
25	3'-0" 5'-0"	SINGLE HUNG	--
26	3'-0" 5'-0"	SINGLE HUNG	--

DOOR AND FRAME SCHEDULE				
MARK	SIZE	FIRE RATING LABEL	NOTES	MANUFACTURER
	WIDTH HEIGHT			
1	6'-0" 8'-0"	N/A	EXTENSION FRENCH DR.	MASONITE
2	3'-0" 8'-0"	N/A	EXTENSION DOOR	MASONITE
3	3'-0" 6'-8"	N/A	--	MASONITE
4	3'-0" 6'-8"	N/A	--	MASONITE
VOID 5	3'-0" 6'-8"	N/A	--	MASONITE
6	3'-0" 6'-8"	N/A	--	MASONITE
7	3'-0" 6'-8"	N/A	--	MASONITE
8	3'-0" 6'-8"	N/A	--	MASONITE
9	3'-0" 6'-8"	N/A	--	MASONITE
10	3'-0" 6'-8"	N/A	--	MASONITE
11	3'-0" 6'-8"	N/A	--	MASONITE
12	3'-0" 6'-8"	N/A	--	MASONITE
13	3'-0" 6'-8"	N/A	--	MASONITE
14	3'-0" 6'-8"	N/A	--	MASONITE
15	3'-0" 6'-8"	N/A	--	MASONITE
16	3'-0" 6'-8"	N/A	--	MASONITE
17	3'-0" 6'-8"	N/A	--	MASONITE
18	3'-0" 6'-8"	N/A	--	MASONITE
19	3'-0" 6'-8"	N/A	--	MASONITE
20	3'-0" 6'-8"	N/A	--	MASONITE
21	3'-0" 6'-8"	N/A	--	MASONITE
22	3'-0" 6'-8"	N/A	--	MASONITE
23	3'-0" 6'-8"	N/A	--	MASONITE
24	3'-0" 6'-8"	N/A	--	MASONITE
25	5'-0" 6'-8"	N/A	DOUBLE DOORS	MASONITE
26	3'-0" 6'-8"	N/A	--	MASONITE
27	3'-0" 6'-8"	N/A	--	MASONITE
28	6'-0" 6'-8"	N/A	BIFOLD DOOR	MASONITE
29	3'-0" 6'-8"	N/A	--	MASONITE
30	2'-8" 6'-8"	N/A	--	MASONITE
31	2'-8" 6'-8"	N/A	--	MASONITE
32	2'-8" 6'-8"	N/A	--	MASONITE
33	3'-0" 6'-8"	N/A	--	MASONITE
34	3'-0" 6'-8"	N/A	--	MASONITE
35	4'-0" 6'-8"	N/A	BIFOLD DOOR	MASONITE
36	2'-8" 6'-8"	N/A	--	MASONITE
37	2'-8" 6'-8"	N/A	--	MASONITE
38	3'-0" 6'-8"	N/A	--	MASONITE
39	2'-8" 6'-8"	N/A	--	MASONITE
40	3'-0" 6'-8"	N/A	--	MASONITE
41	2'-8" 6'-8"	N/A	--	MASONITE

ROOM FINISH SCHEDULE					
ROOM NUMBER	ROOM NAME	FLOOR	WALLS	CEILING	NOTES
			N S E W	MATL. HEIGHT	
01	OFFICE #1	CARPET	GWB	GWB	10'-0"
02	OFFICE #2	CARPET	GWB	GWB	10'-0"
03	EXAM ROOM #1	TILE	GWB	GWB	10'-0"
04	EXAM ROOM #2	TILE	GWB	GWB	10'-0"
05	EXAM ROOM #3	TILE	GWB	GWB	10'-0"
06	EXAM ROOM #4	TILE	GWB	GWB	10'-0"
07	EXAM ROOM #5	TILE	GWB	GWB	10'-0"
08	EXAM ROOM #6	TILE	GWB	GWB	10'-0"
09	EXAM ROOM #7	TILE	GWB	GWB	10'-0"
10	EXAM ROOM #8	TILE	GWB	GWB	10'-0"
11	EXAM ROOM #9	TILE	GWB	GWB	10'-0"
12	EXAM ROOM #10	TILE	GWB	GWB	10'-0"
13	LOBBY	CARPET	GWB	GWB	10'-0"
14	RECEPTIONIST AREA	CARPET	GWB	GWB	10'-0"
15	ADA BATH #1	TILE	GWB	GWB	10'-0"
16	HALL	TILE	GWB	GWB	10'-0"
17	ADA BATH #2	TILE	GWB	GWB	10'-0"
18	BREAK ROOM	TILE	GWB	GWB	10'-0"
19	ADA BATH #3	TILE	GWB	GWB	10'-0"
20	HALL	TILE	GWB	GWB	10'-0"
21	NURSES STATION	TILE	GWB	GWB	10'-0"
22	REAR VEST	TILE	GWB	GWB	10'-0"
23	MECH CLOSET	NO FINISH	GWB	GWB	10'-0"
24	STAFF BATH #1	TILE	GWB	GWB	10'-0"
25	TRIAGE #1	TILE	GWB	GWB	10'-0"
26	CHECK OUT AREA	TILE	GWB	GWB	10'-0"
27	TRIAGE #2	TILE	GWB	GWB	10'-0"
28	UPSTAIRS VESTIBULE	TILE	GWB	GWB	8'-0"
29	UPSTAIRS WAITING AREA	CARPET	GWB	GWB	8'-0"
30	BATH #5	TILE	GWB	GWB	8'-0"
31	UPSTAIRS OFFICE #1	CARPET	GWB	GWB	8'-0"
32	CLOSET	CARPET	GWB	GWB	8'-0"
33	BATH #6	CARPET	GWB	GWB	8'-0"
34	UPSTAIRS OFFICE #2	CARPET	GWB	GWB	8'-0"
35	STORAGE	CARPET	GWB	GWB	8'-0"
36	MECH ROOM	CARPET	GWB	GWB	8'-0"

WALL TYPE		
TYPE	SYMBOL	DESCRIPTION
P1	=====	2x4 STUD WALL
P2	=====	1 HR. FIRE WALL
P3	=====	6" STUD WALL
P4	=====	2x6 PLUMBING WALL
P5	=====	2x6 SIDING



* SCHEDULES *
for
* SECOND *
* FLOOR PLAN *

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

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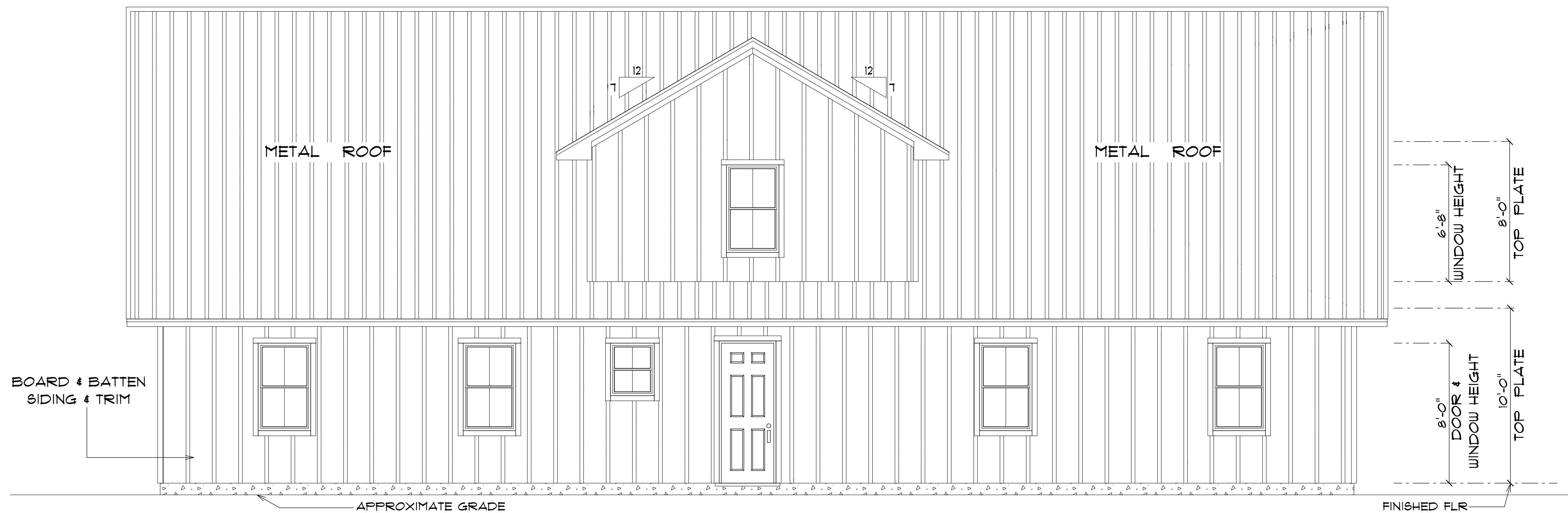
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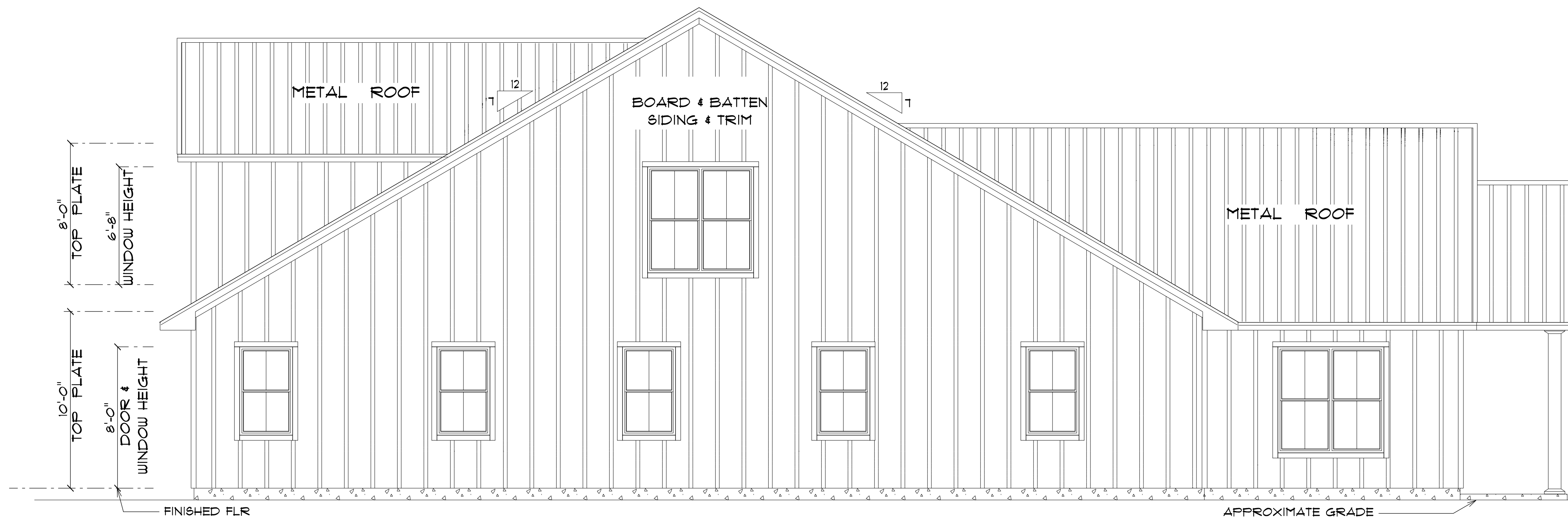
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OF 14 SHEETS

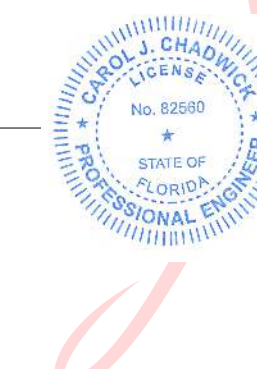


* REAR ELEVATION *
SCALE : 1/4" = 1'-0"



* LEFT ELEVATION *
SCALE : 1/4" = 1'-0"

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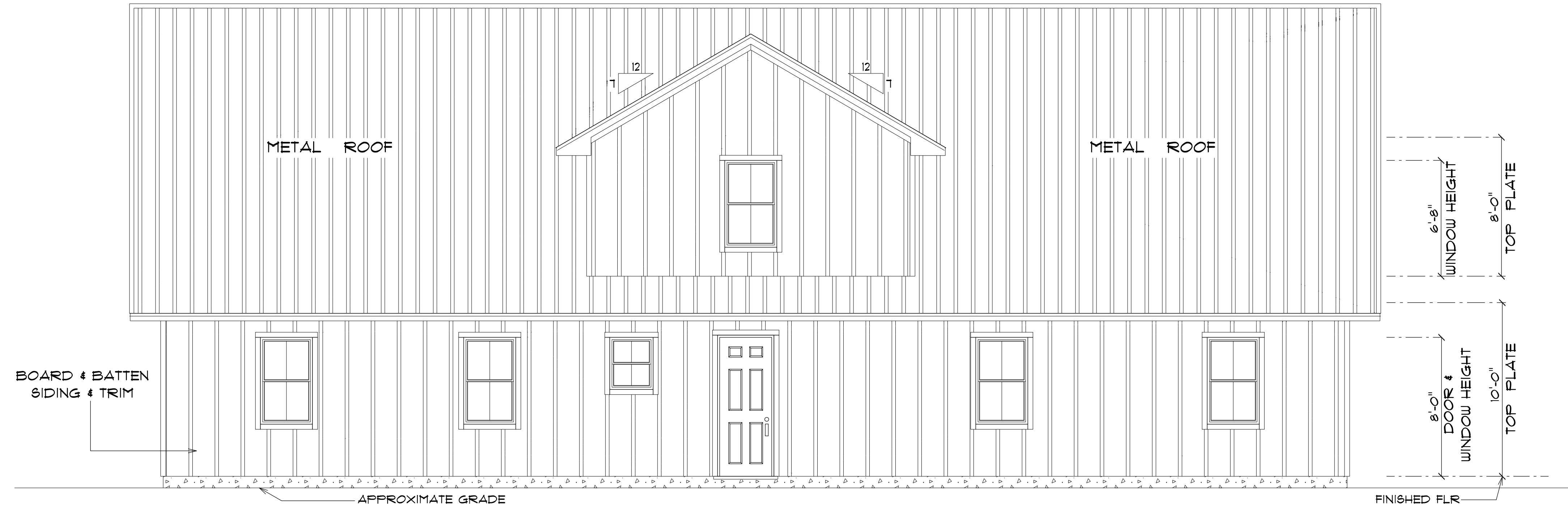
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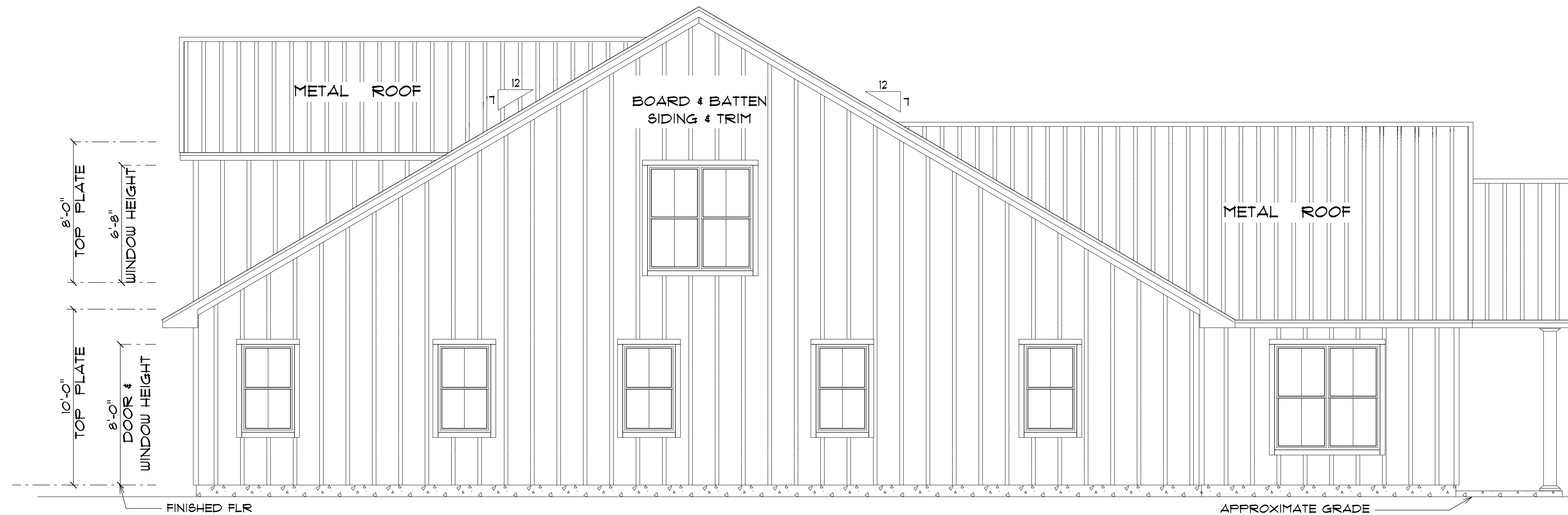
A-4

OF 14 SHEETS



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* LEFT ELEVATION *

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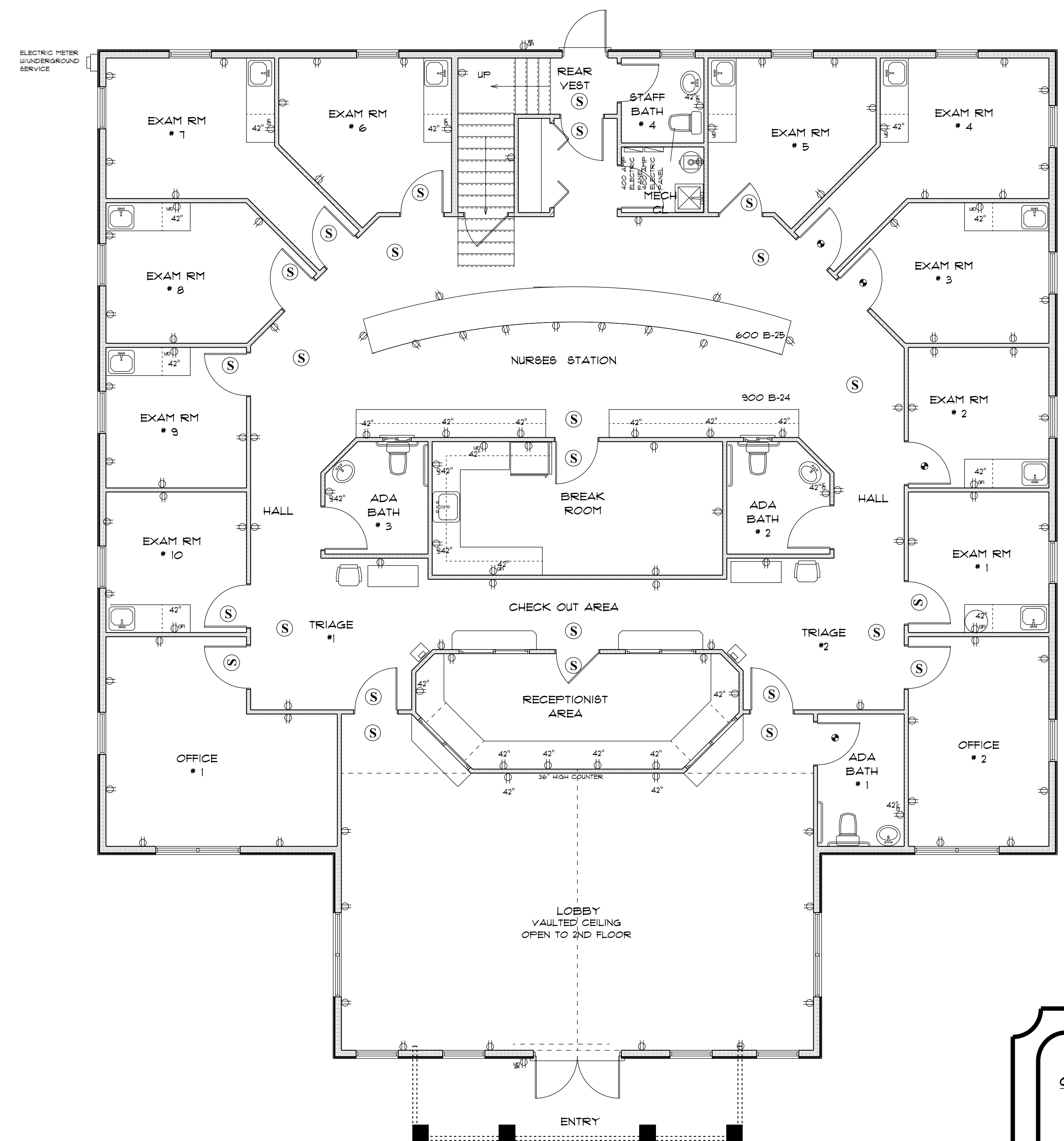
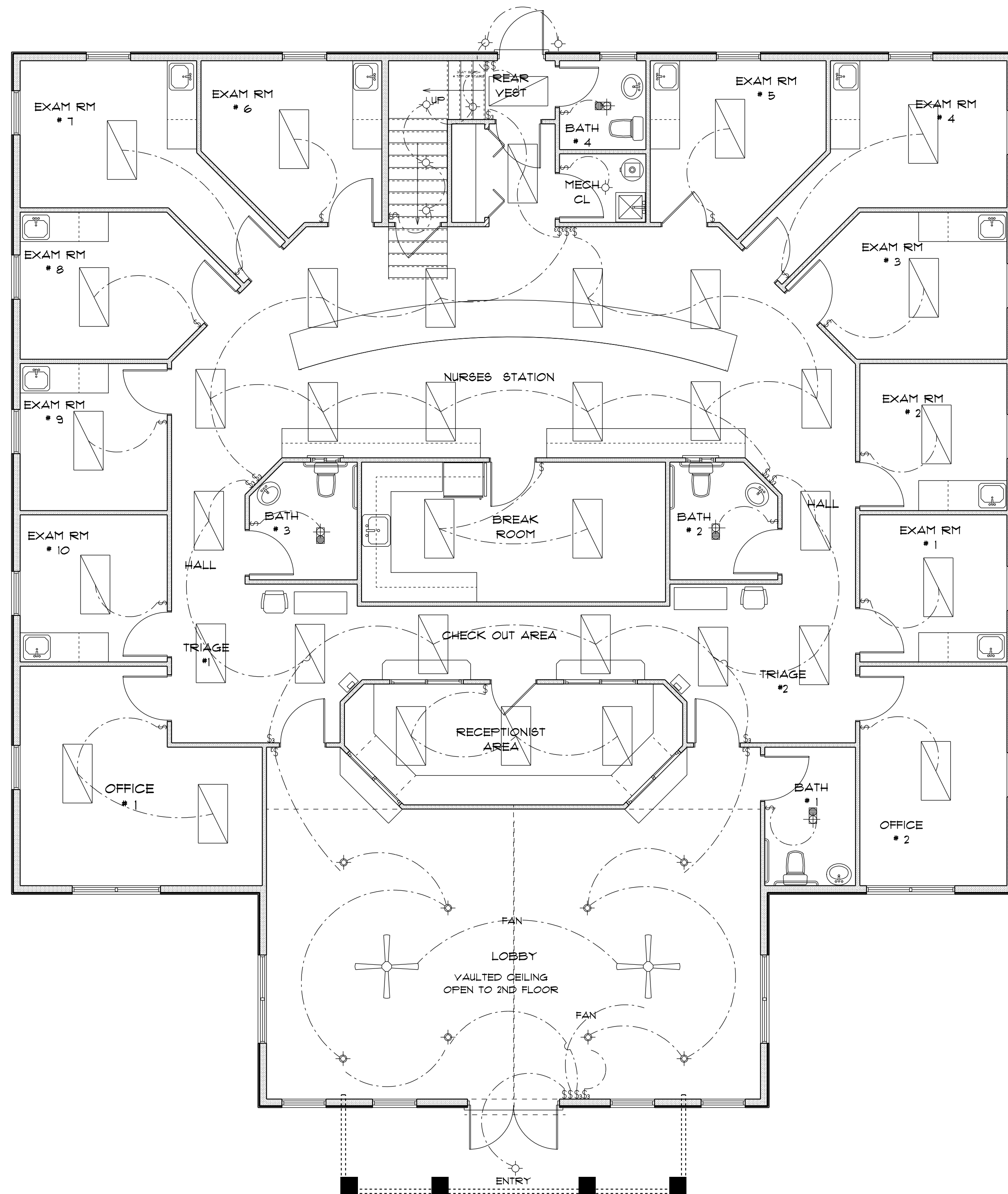
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A-5

OF 14 SHEETS



* FIRST FLOOR ELECTRICAL *



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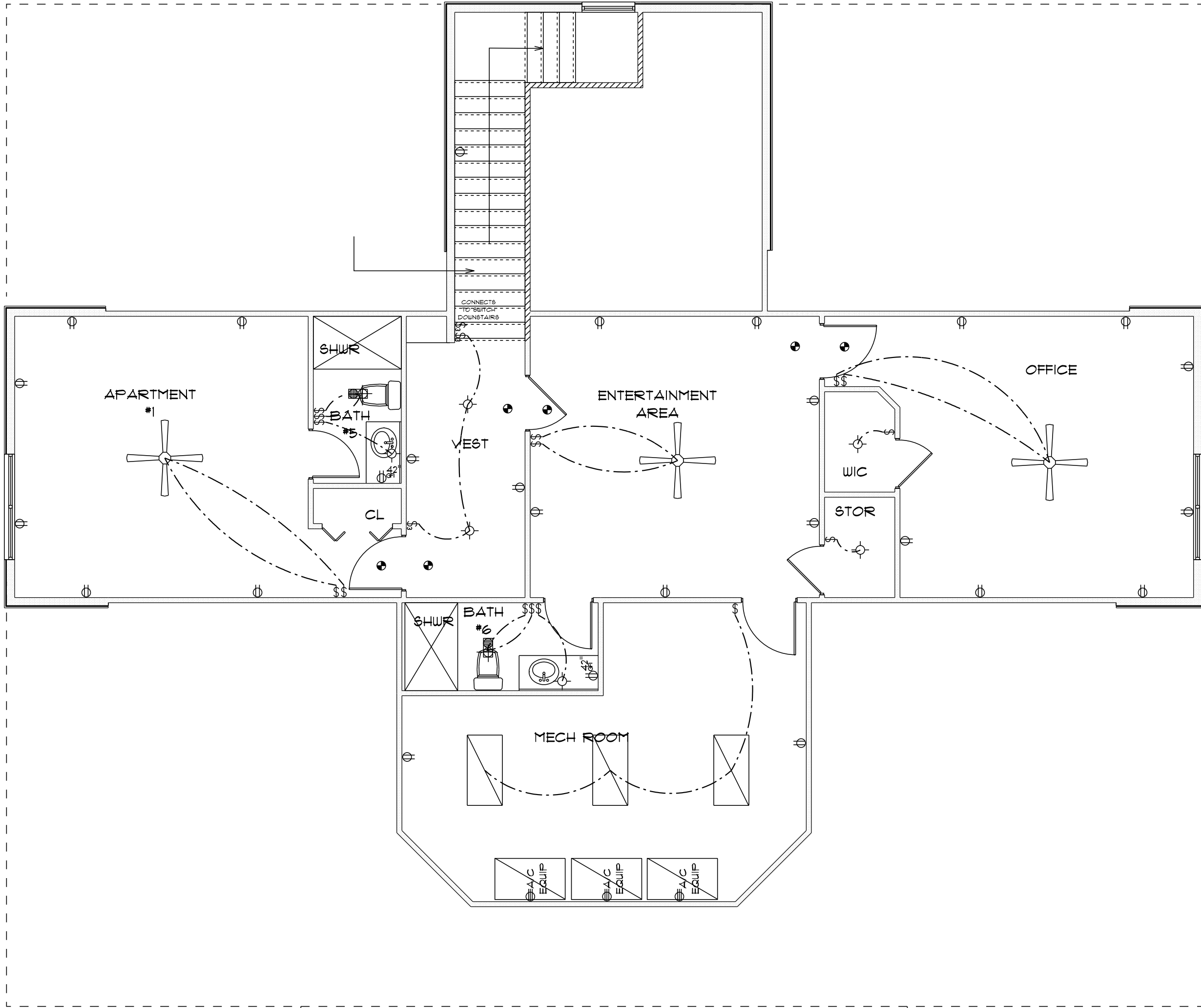
E-1

OF 14 SHEETS

ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
ceiling fan	2	
fluorescent fixture	42	
400 amp elec panel	2	
ceiling fan	4	
electric meter	1	
gfi waterproof outlet	3	
light	15	
outlet	137	
outlet 220v	5	
outlet gfi	21	
recessed can light	9	
smoke detector	38	
switch	39	
switch 3 way	19	
vent light combo	7	

NOTE:

ABOVE LEGEND INCLUDES ELECTRIC FOR FIRST AND SECOND FLOORS.



SECOND FLOOR
ELECTRIC PLAN

SCALE: 3/16" = 1'0"

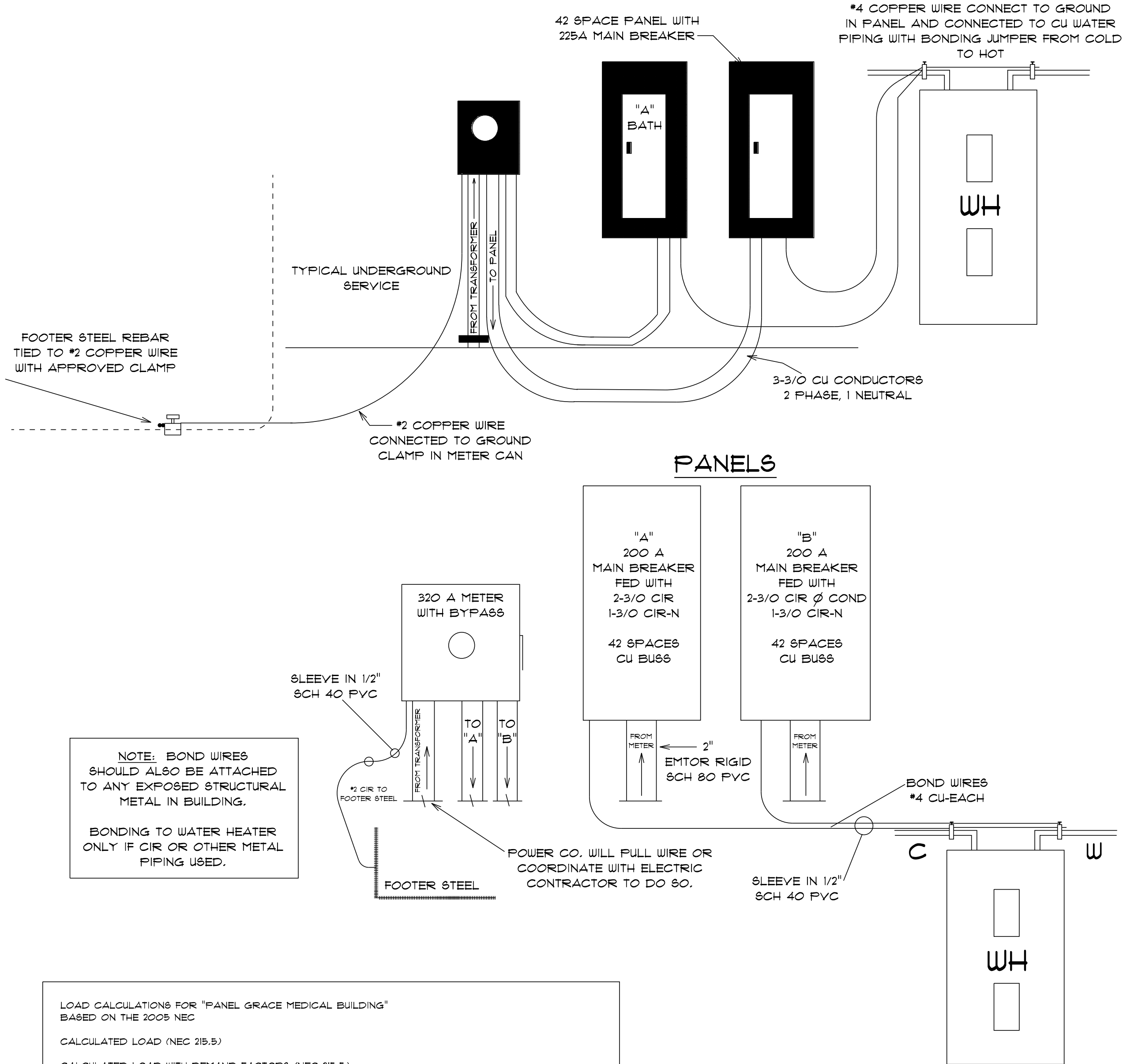
PANEL B GRACE MEDICAL OFFICE		FEEDER 3 - 3/0 CU	
FED FROM	METER	NUMBER OF CONDUITS	1
* CIRCUITS	42	FEEDER CONDUIT	2"
HI VOLTAGE	240	WIRE SIZE L1	*3/0
LOW VOLTAGE	120	WIRE SIZE L2	*3/0
PHASE	1		
DESIGN LOAD AMPS	200	WIRE SIZE NEUTRAL	*3/0
NEUTRAL BUS	YES	WIRE SIZE GROUND	*6
GROUND BUS	YES		
AVAILABLE FAULT CURRENT AT THIS PANEL	16,950		
MAIN BREAKER SIZE AMPS	200		

GRACE MEDICAL OFFICE		
PANEL B		
MAIN LIGHTING/RECEPTACLE PANEL		

#	BKR	CIRCUIT DESCRIPTION	H	I	VA	VA	I	H	CIRCUIT DESCRIPTION	BKR	#
1	20A-1P	(L) EXAM 5-10, OFF 1, MECH, LAU	G	1,424	L1	1,424	G		(L) L-HALL, BATH, FILE RECP	20A-1P	2
3	20A-1P	(R) NURSE STATION	G	1,280	L2	1,323	G		(L) LOBBY	20A-1P	4
5	20A-1P	(L) EXAM 1-4, OFF2, R-HALL	G	1,216	L1	1,000	G		(L) OFFICE 3	20A-1P	6
7	20A-1P	(L) OFFICE 4	G	1,000	L2	1,000	G		(L) CONFERENCE ROOM	20A-1P	8
9	20A-1P	(L) OFFICE 3	D	1,800	L1	900	G		(L) STAIRS, UPS/BATH	20A-1P	10
11	20A-1P	(L) KITCHEN UPS/MECH RM	G	100	L2	1,650	D		(R) OFFICE 4	20A-1P	12
13	20A-1P	(R) CONFERENCE ROOM	D	900	L1	1,500	D		(R) UPS/BATH	20A-1P	14
15	20A-1P	DISH WASHER	K	1,500	L2	1,500	K		REFRIGERATOR	20A-1P	16
17	20A-1P	(R) KITCHEN COUNTER-LEFT	K	1,500	L1	1,500	K		(R) KITCHEN COUNTER-RIGHT	20A-1P	18
19	20A-1P	(R) UPS/MECH RM	D	150	L2	1,500	D		(R) LOBBY	20A-1P	20
21	20A-1P	(R) (IG) RECEPTION	D	600	L1	800	D		(R) RECEPTION (FAX-COPY)	20A-1P	22
23	20A-1P	(R) FILE STORAGE	D	1,350	L2	900	D		(R) NURSE STATION-COUNTER	20A-1P	24
25	20A-1P	(R) (IG) NURSE STATION	D	600	L1	1,050	D		(R) NURSE STATION DESK	20A-1P	26
27	20A-1P	(R) RECEPTION TV-ASSY	D	1,050	L2	900	D		(R) OFFICE 1	20A-1P	28
29	20A-1P	(R) EXAM 10	D	900	L1	900	D		(R) EXAM 5	20A-1P	30
31	20A-1P	(R) EXAM 8	D	900	L2	750	D		(R) EXAM 1	20A-1P	32
33	20A-1P	(R) EXAM 6	D	750	L1	450	D		(R) STAIRS, MECH RM	20A-1P	34
35	20A-1P	(R) EXAM 5	D	1,050	L2	1,050	D		(R) EXAM 4	20A-1P	36
37	20A-1P	(R) EXAM 3	D	1,050	L1	1,050	D		(R) EXAM 2	20A-1P	38
39	20A-1P	(R) EXAM 1	D	1,050	L2	900	D		(R) OFFICE 2	20A-1P	40
41			G		L1		G				42

PANEL	A	GRACE MEDICAL OFFICE	FEEDER	3 - 3/0 CU
FED FROM	METER		NUMBER OF CONDUITS	1
* CIRCUITS		42	FEEDER CONDUIT	2"
HI VOLTAGE		240	WIRE SIZE L1	*3/0
LOW VOLTAGE		120	WIRE SIZE L2	*3/0
PHASE		1		
DESIGN LOAD AMPS		200	WIRE SIZE NEUTRAL	*3/0
NEUTRAL BUS	YES		WIRE SIZE GROUND	*6
GROUND BUS	YES			
AVAILABLE FAULT CURRENT AT THIS PANEL	19,050			
MAIN BREAKER SIZE AMPS	200			
			GRACE MEDICAL OFFICE	
			PANEL A	

#	BKR	CIRCUIT DESCRIPTION	H	I	VA	VA	I	H	CIRCUIT DESCRIPTION	BKR	#
1	2P 60A	A/H HANDLER #1		G		L1			A/H HANDLER #2	2P 60A	2
3		5 KW HEAT		G		L2			5 KW HEAT		4
5	2P 50A	AC COMP-CONDO #1		G	3,850	L1	3,850		AC COMP-CONDO #2	2P 50A	6
7		AC COMP-CONDO #1		G	3,850	L2	3,850		AC COMP-CONDO #2		8
9	2P 50A	AIR HANDLER #3		G		L1	3,850		AC COMP-CONDO #3	2P 50A	10
11		5 KW HEAT		G		L2	3,850		AC COMP-CONDO #3		12
13	2P 30A	WATER HEATER #1		G	2,280	L1	2,280		WATER HEATER #2	2P 30A	14
15		WATER HEATER #1		G	2,280	L2	2,280		WATER HEATER #2		16
17	20A-1P	LAUNDRY-WASHER		G	1,500	L1	1,500		(R) LAUNDRY	20A-1P	18
19	20A-1P	LAUNDRY-DRYER		G	1,500	L2	600		(R) WEATHERPROOF	20A-1P	20



LOAD CALCULATIONS FOR "PANEL GRACE MEDICAL BUILDING" BASED ON THE 2009 NEC	
CALCULATED LOAD (NEC 215.5)	
CALCULATED LOAD WITH DEMAND FACTORS (NEC 215.5)	
GENERAL LOAD RECEPTACLE LOAD (NEC 220.14) 1ST 10,000W REMAINDER = 50% CONTINUOUS LOAD (NEC 215.2) PLUS 25% MOTOR LOAD (NEC 430.24) PLUS 25% OF LARGEST MOTOR KITCHEN LOAD (NEC 220.56) L1 (1,032 X 0.9) = L2 (2,100 X 0.9) = L3 (X 0.9) =	
TOTAL BALANCED LOAD (1-PHASE) TOTAL UNBALANCED LOAD (1-PHASE)	
LINE AMPS BALANCED (1-PHASE) LINE AMPS UNBALANCED (1-PHASE) TOTALS ADJUSTMENT FACTOR TOTAL DESIGN LOAD	
VOLTAGE DROP CALCULATIONS Single Phase Voltage Drop %	
FAULT CURRENT CALCULATIONS Available Fault Current at Starting Point (50,000 AFC X 1.00 UA) + 0 MG = 50,000 AFC Conductor Factor CF = Formula (2X20 L X 50,000 AFC) + (15,082 C X 1 N X 208 V) + 0.638 CF Conductor Multiplier CM = Formula (1) + (1 + 0.638 CF) + 0.61 CM Conductor Let-Through Current CLC = Formula (50,000 AFC X 0.61 CM) + 30,850 CLC	
A - Amps AFC - Available Fault Current C - Conductor Constant CF - Conductor Factor CLC - Conductor Let-Through Current CM - Conductor Multiplier L - Length of Conductor MG - Motor Contribution N - Number of Conductors Per Phase R - Resistance UA - Utility Adjustment 1: V - Voltage VA - Volt Amps VD - Voltage Drop	

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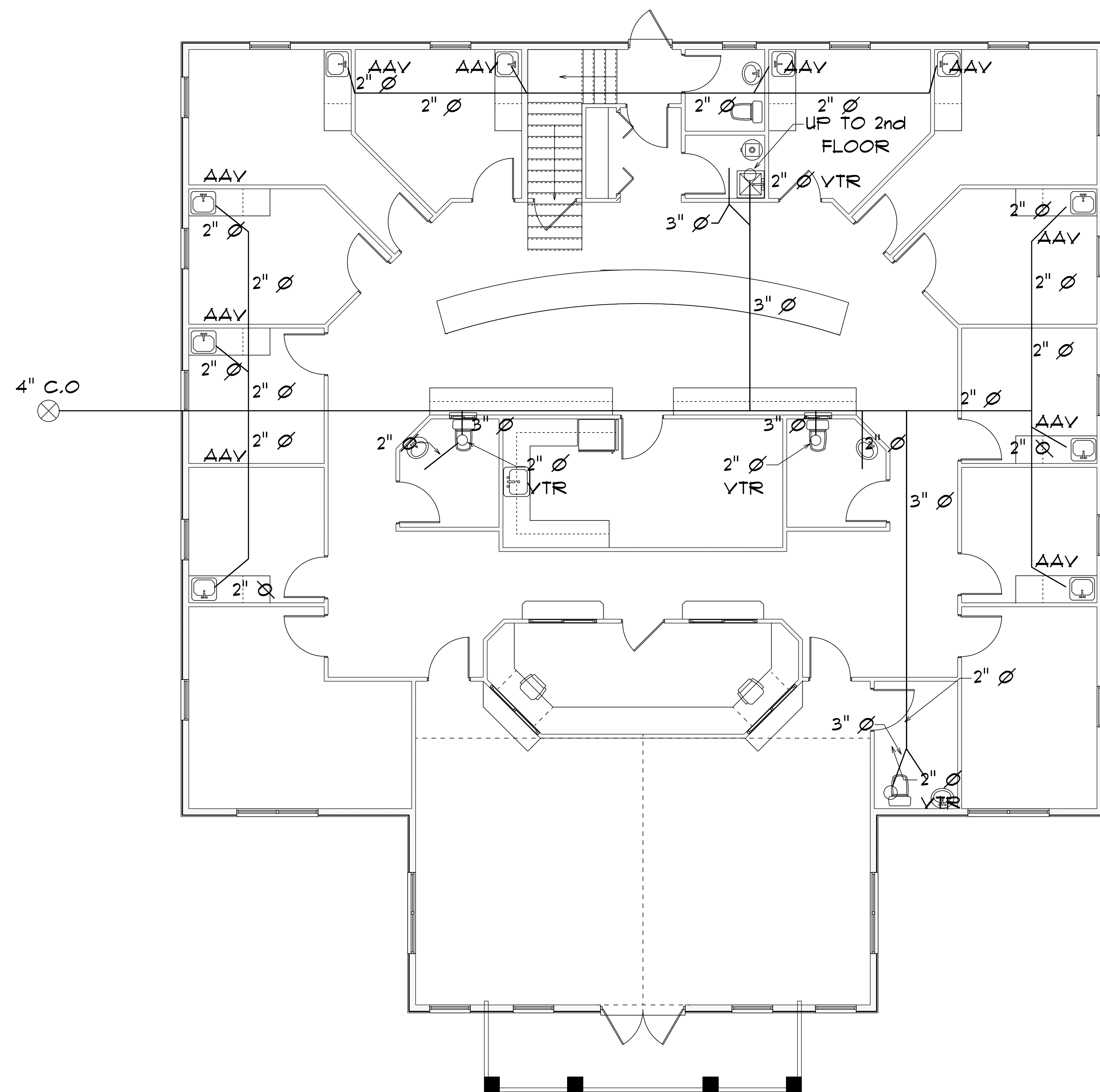
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PLUMB LEVEL CONSTRUCTION

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E-2

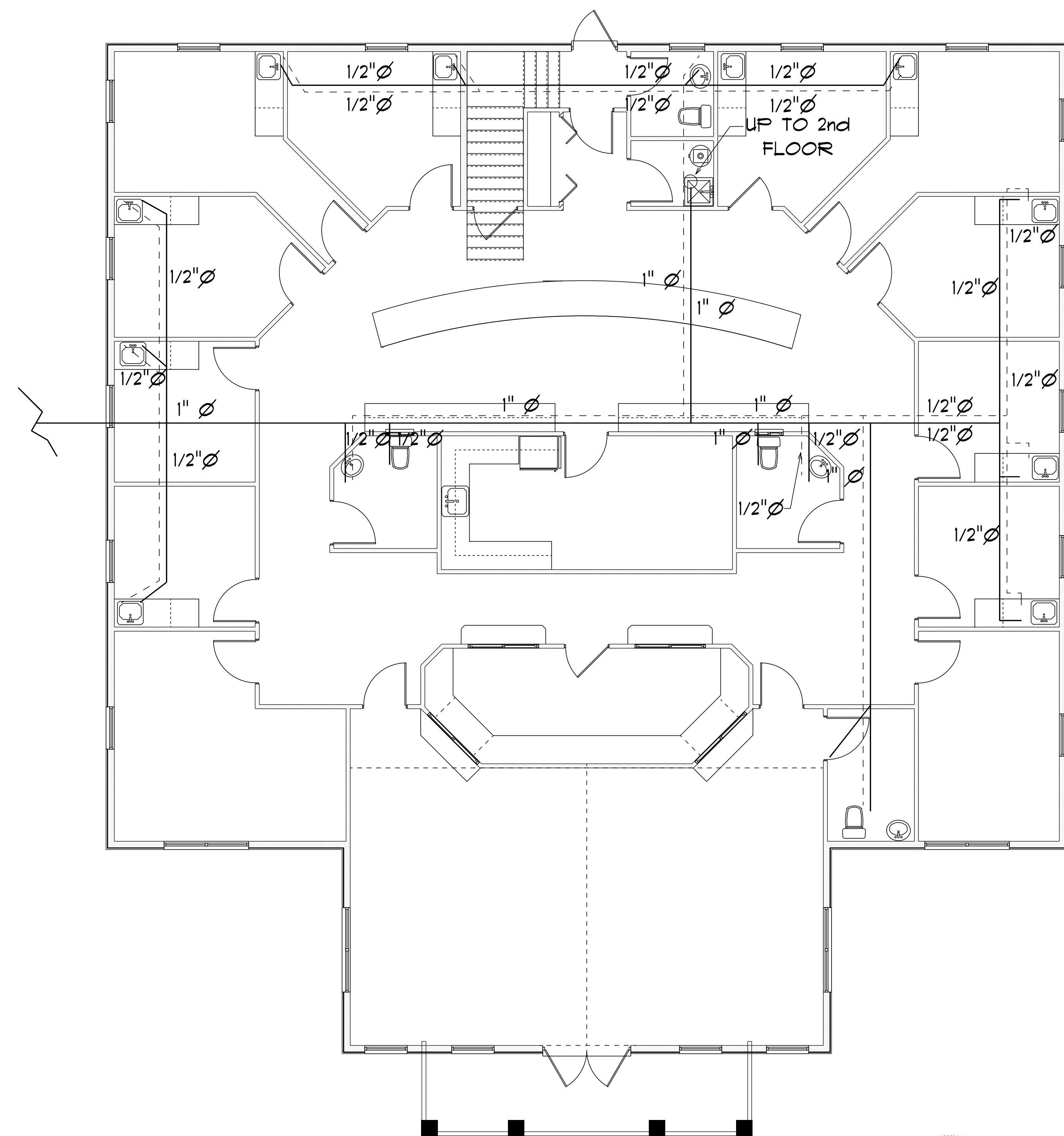
OF 14 SHEETS



* PLUMBING *

* FIRST FLOOR PLAN *

SCALE: 3/16" = 1'0"



* WATER *

* FIRST FLOOR PLAN *

SCALE: 3/16" = 1'0"



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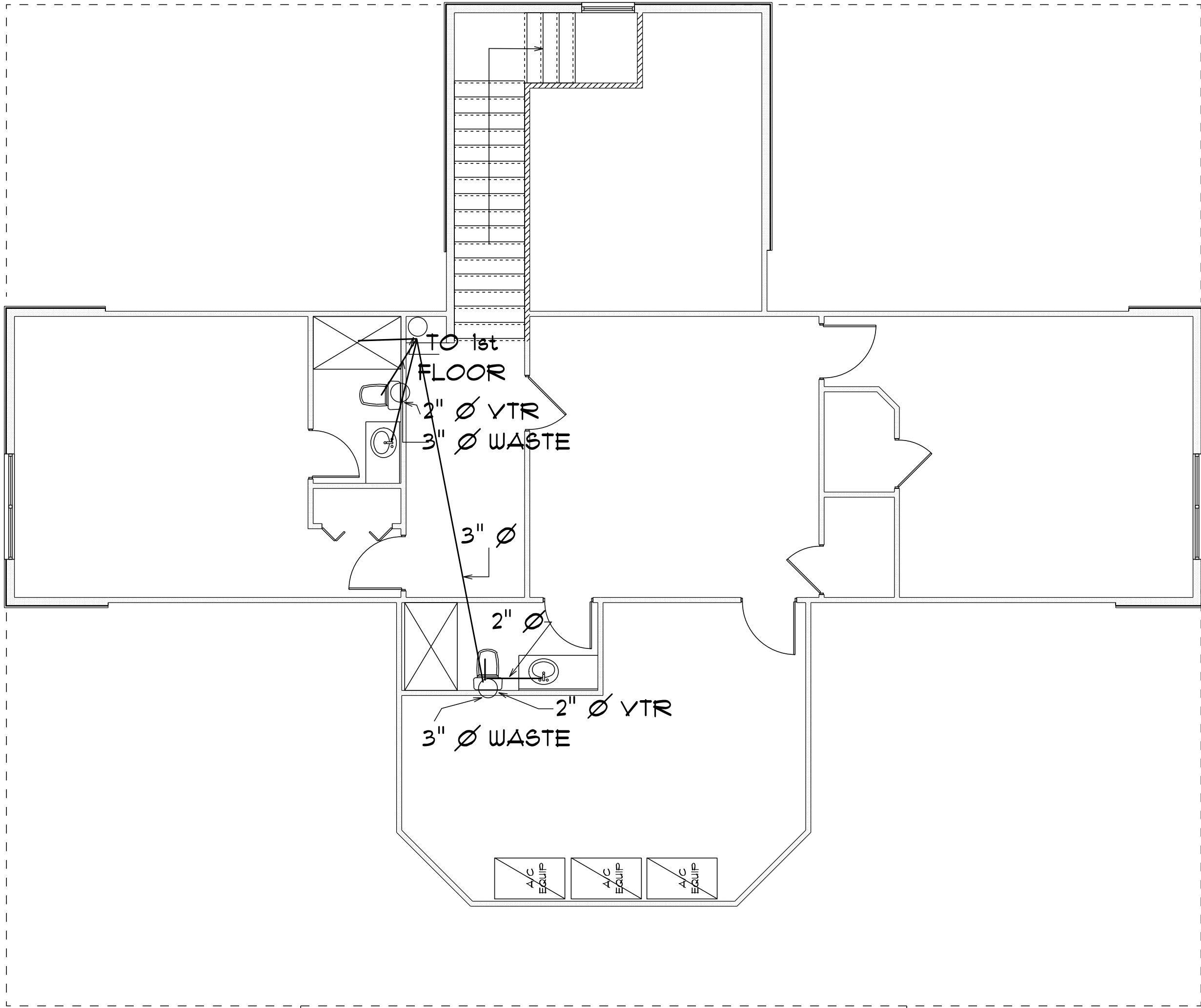
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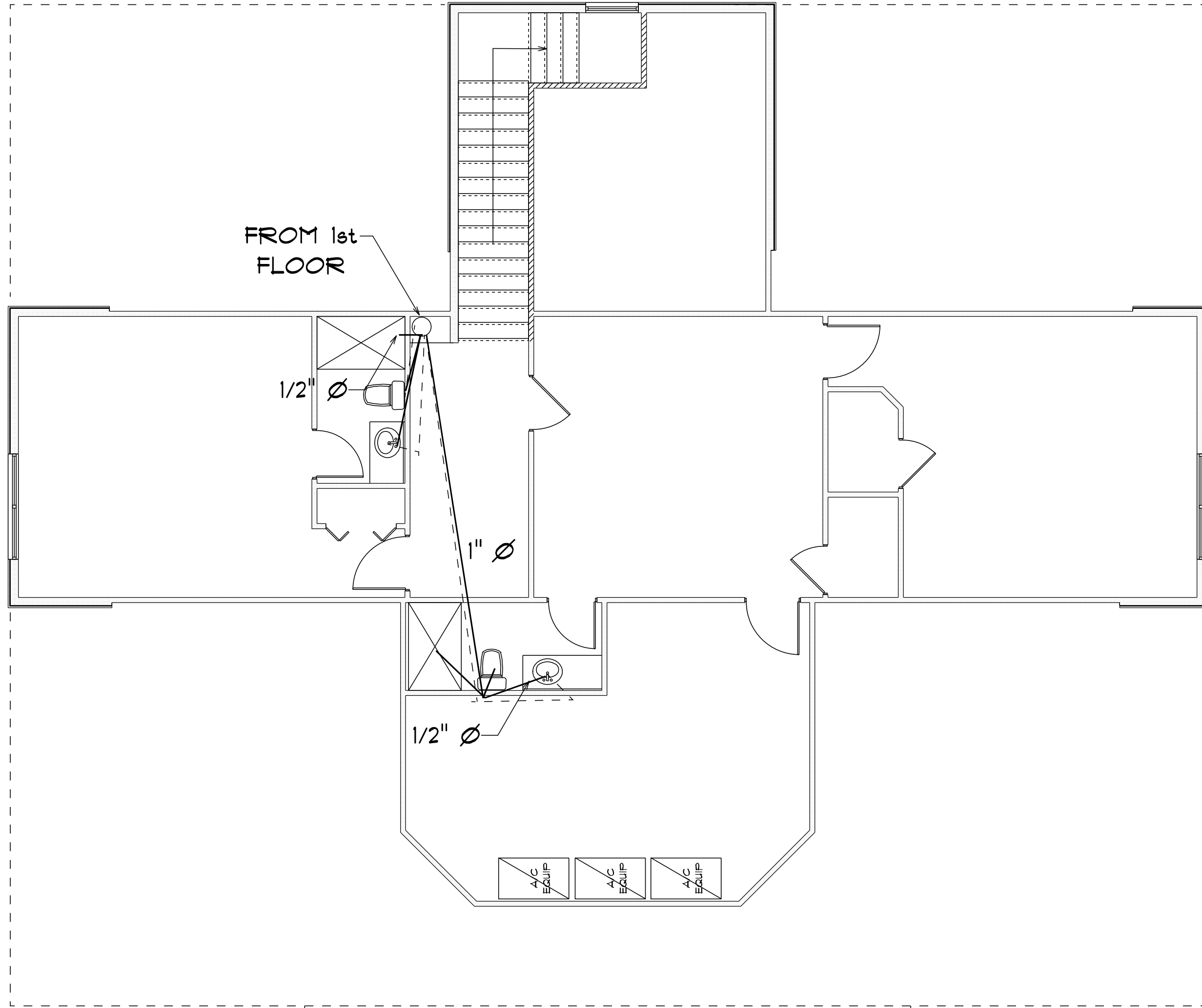
P-1

OF 14 SHEETS



• PLUMBING •
• SECOND •
• FLOOR PLAN •

SCALE: 3/16" = 1'0"



• WATER •
• SECOND •
• FLOOR PLAN •

SCALE: 3/16" = 1'0"



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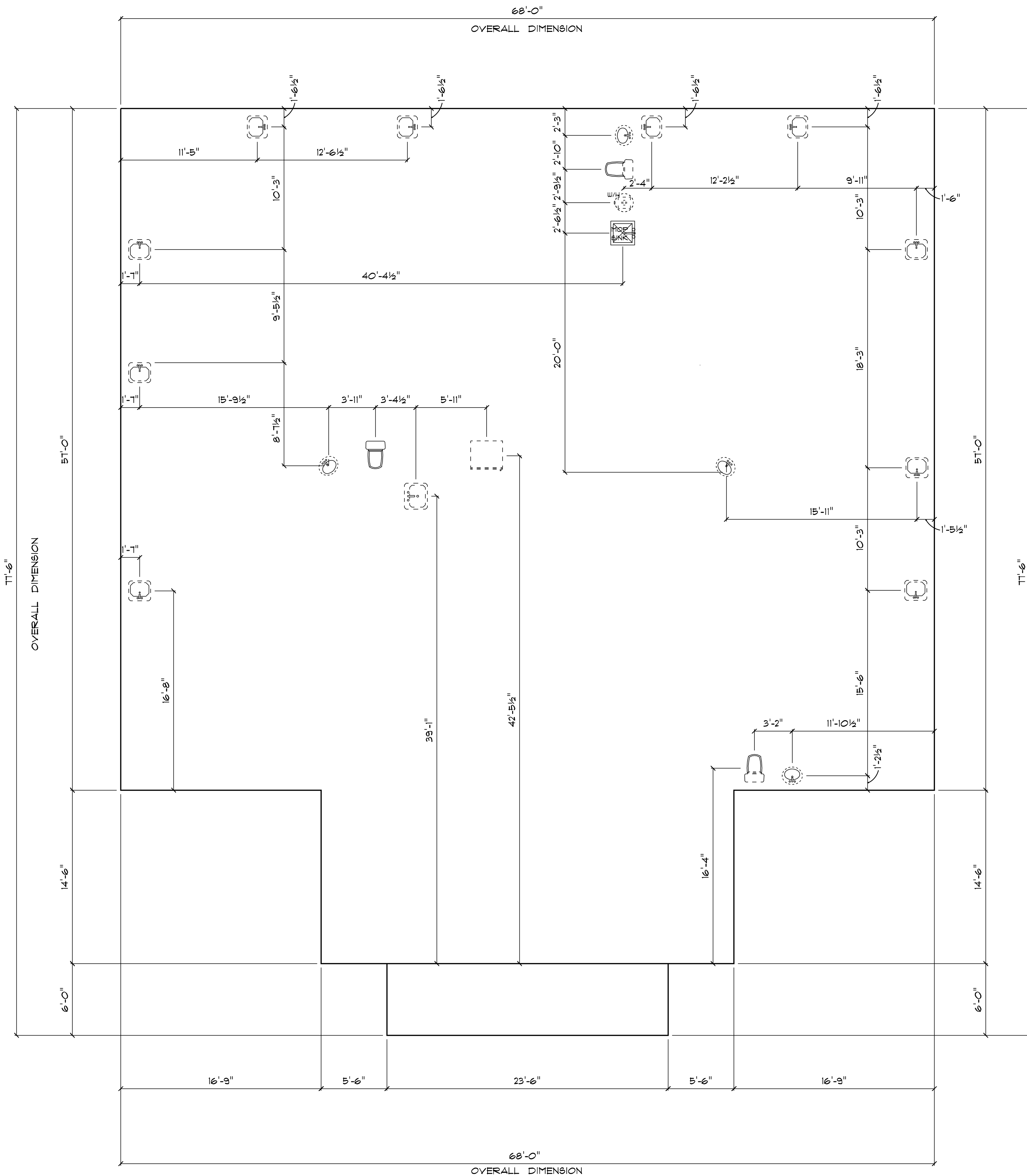
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P-2

OF 14 SHEETS



* FIRST FLOOR *

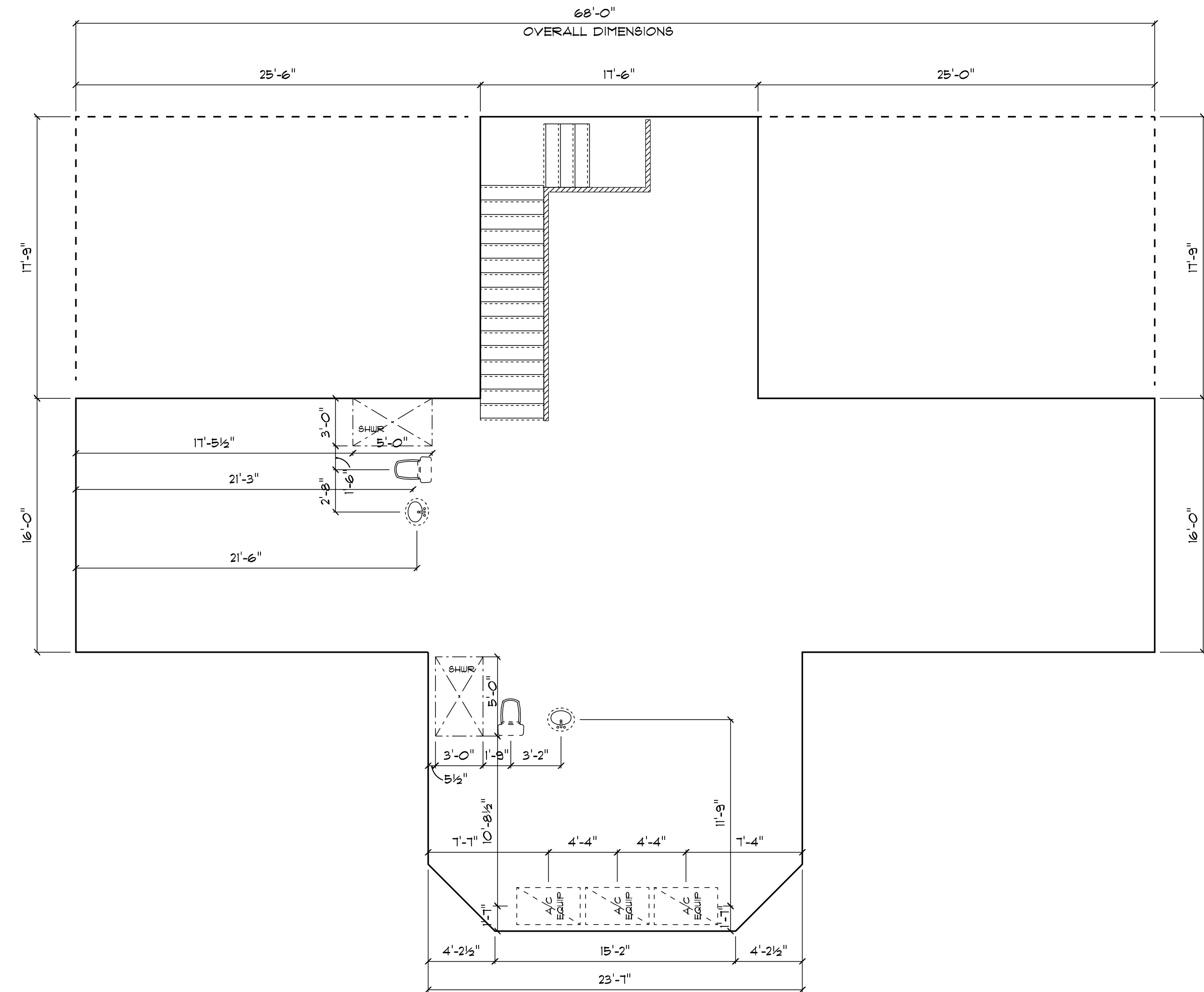
* PLUMBING & FIXTURE *

* LOCATION PLAN *

SCALE: 3/16" = 1'0"



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OVERALL DIMENSIONS

* SECOND FLOOR *

* PLUMBING & FIXTURE *

* LOCATION PLAN *

SCALE: 3/16" = 1'0"

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P-3

OF 14 SHEETS

PLUMBING FIXTURE SCHEDULE		
SYMBOL	QUANTITY	DESCRIPTION
P-1		FLOOR MOUNTED ELONGATED BOWL TOILETS, VITREOUS CHINA, 1.6 GPF, SIPHON JET, FLUSH VALVE, SOLID PLASTIC WHITE SEAT, NO COVER, WITH SELF-SUSTAINING STAINLESS STEEL HINGE.
P-2		WALL HUNG VITREOUS CHINA WHITE SINK
P-3		COUNTER TOP MOUNTED SINK

GENERAL PLUMBING NOTES

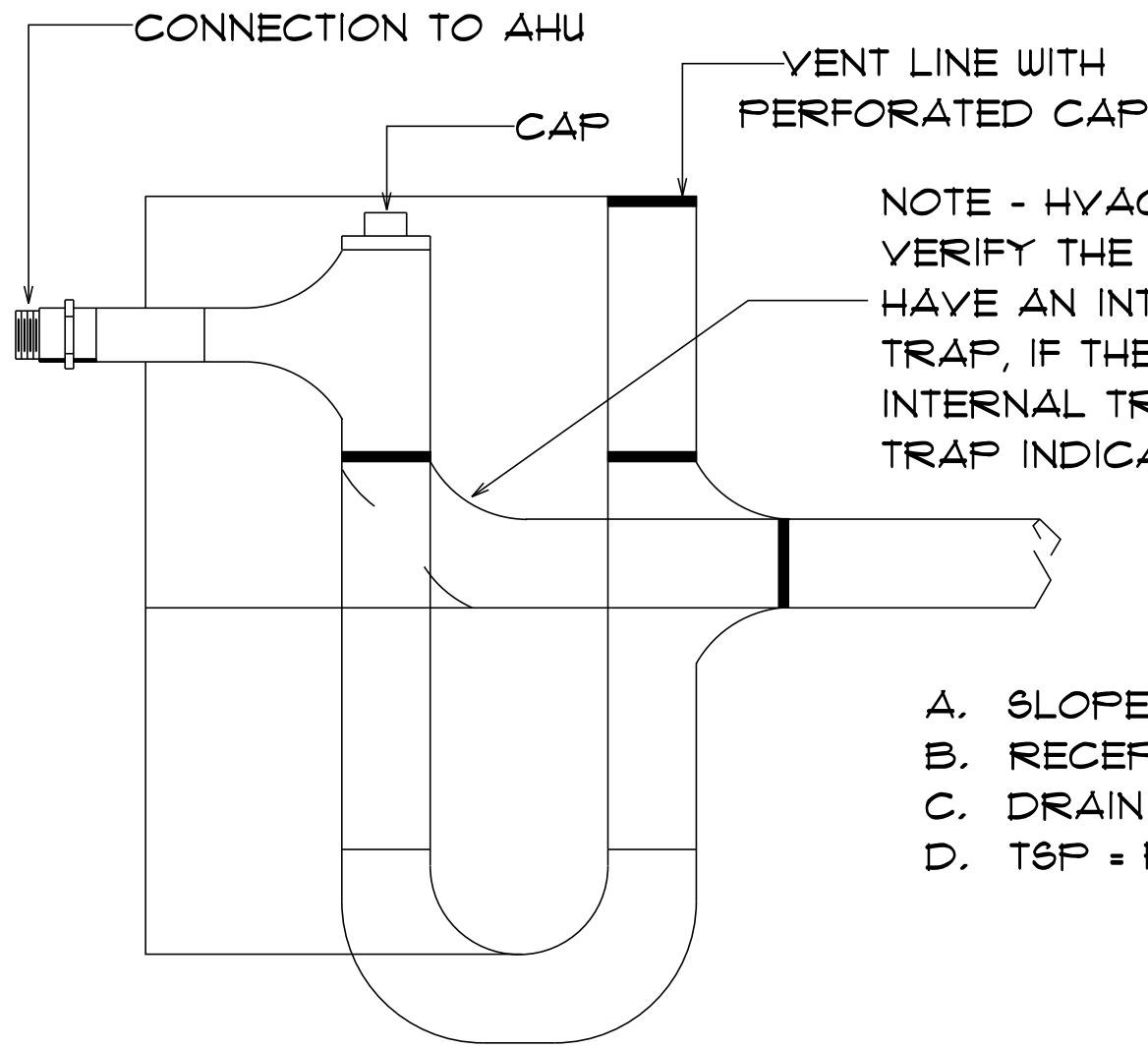
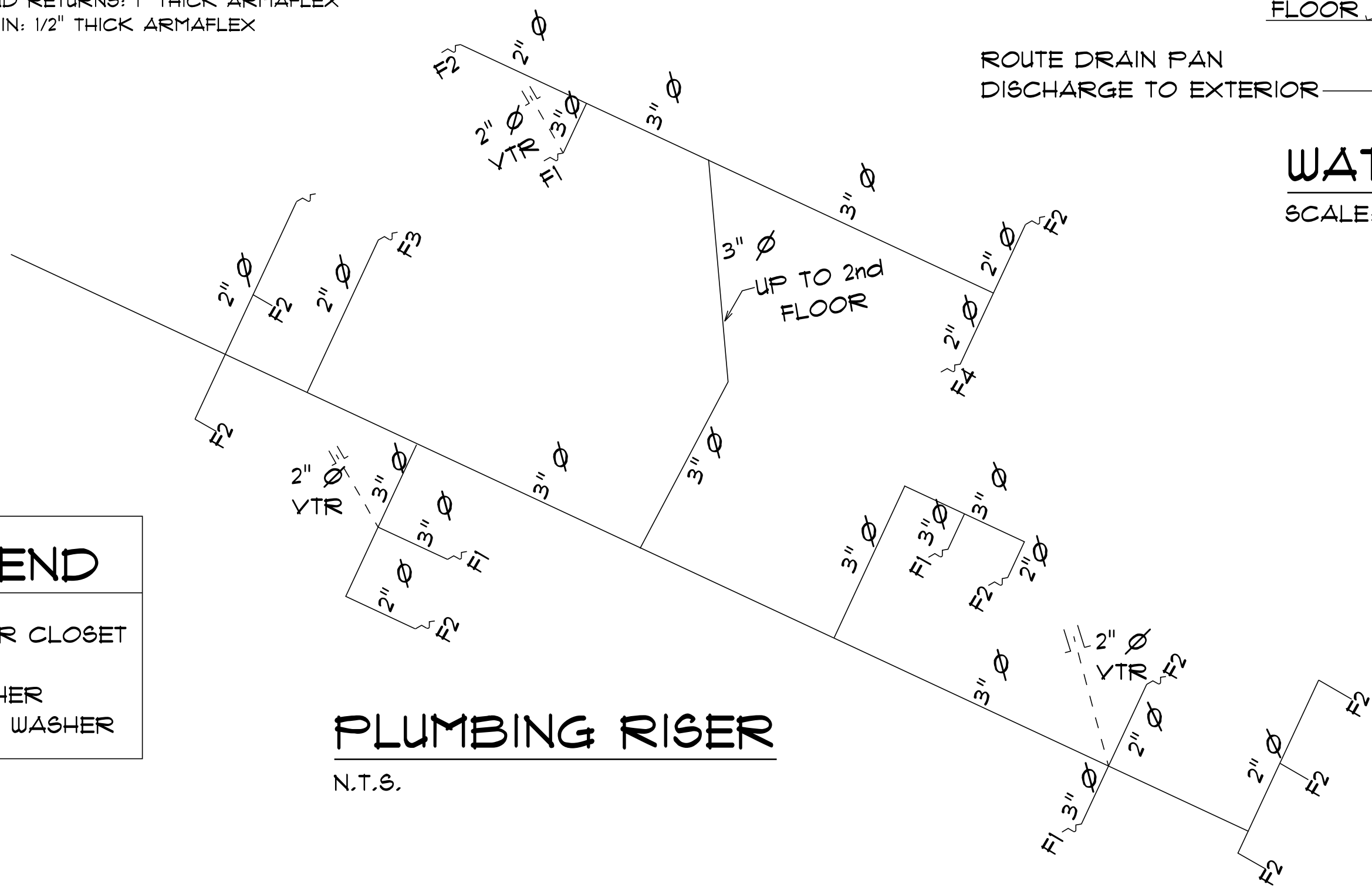
- DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED, REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, EQUIPMENT, ECT., PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION.
- ALL WORK AND MATERIAL SHALL COMPLY WITH THE NATIONAL, STATE AND ALL LOCAL CODES AND ORDINANCES HAVING JURISDICTION.
- THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. ALL EXECTION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
- ALL MATERIAL SHALL BE NEW.
- ALL WORK SHALL BE PREFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
- ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILTY OR PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- THE PLUMBING CONTRACTOR SHALL SECURE AND PAY ALL PERMIT FEES, INSPECTIONS AND TESTS.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) ON YEAR FROM DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGES AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE IN THE INSTALLTION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- VERIFY LOCATION, SIZE AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. ADVISE ENGINEER/ARCHITECT OF ANY DISCREPANCIES.
- ALL FIXTURES SHALL BE PROVIDED WITH READILY ACCESSABLE STOPS.
- WATER PIPING SHALL BE CPVC.
- SOIL, WASTE AND VENT PIPING SHALL BE PVC SCHEDULE 40 DMV. WASTE AND VENT PIPING ABOVE SLAB SHALL BE PVC.
- AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE PVC SCHEDULE 40.
- FURNISH AND INSTALL APPROVED AIR CHAMBERSAT EACH PLUMBING FIXTURE AND PDI APPROVED SHACK ARRESTERS ON MAIN LINE AND RISERS.
- PROVIDE CHROME PLATED COMBINATION COVERED PLATE AND CLEANOUT PLUG FOR ALL WALL CLEANOUTS, JOBSAM #588930.
- INSULATE LINES AS FOLLOWS:
A. WATER SUPPLY AND RETURNS: 1" THICK ARMAFLEX
B. CONDENSATE DRAIN: 1/2" THICK ARMAFLEX

LEGEND

- F1 = WATER CLOSET
F2 = SINK
F3 = WASHER
F4 = DISH WASHER

PLUMBING RISER

N.T.S.

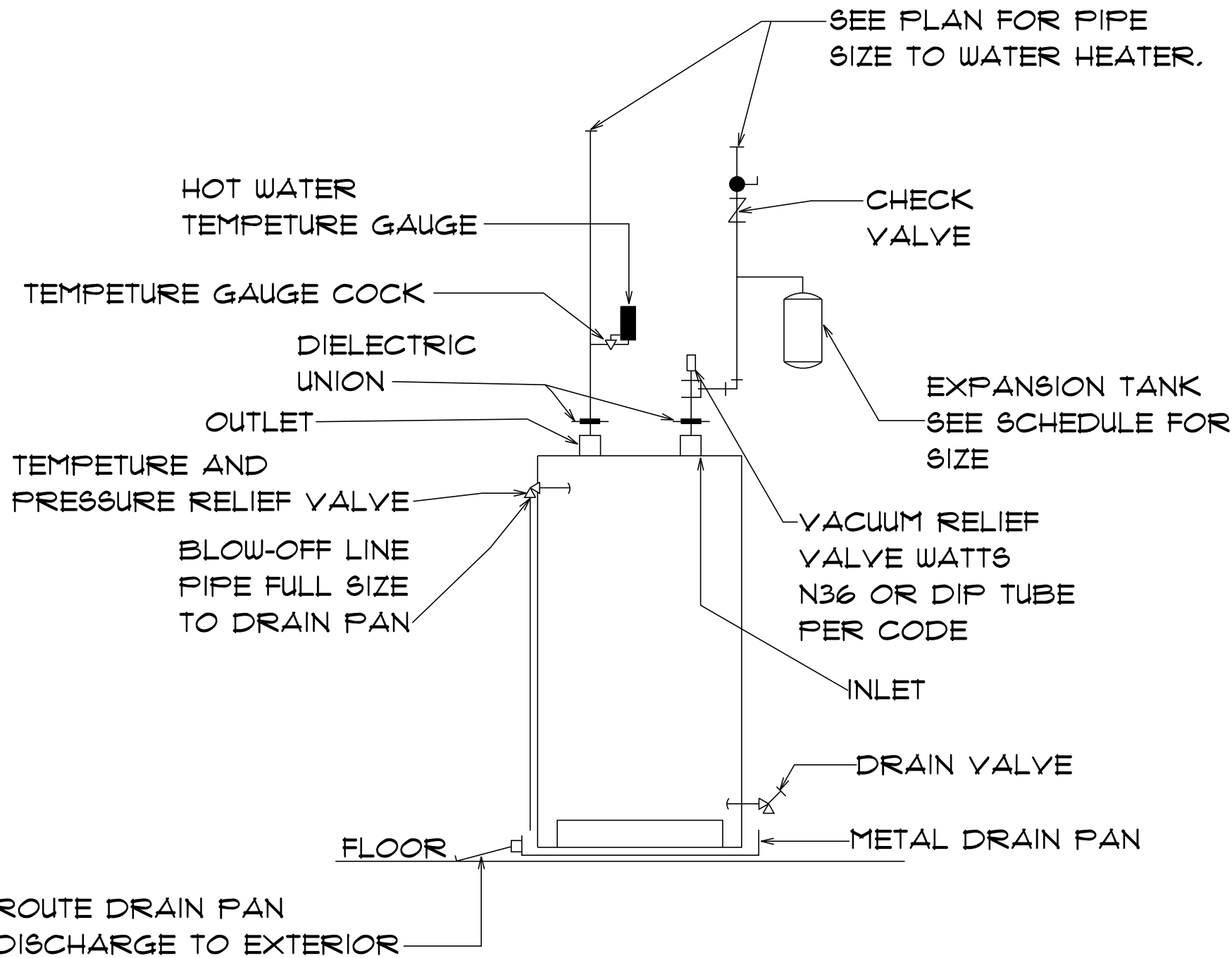


NOTE - HVAC CONTRACTOR IS TO VERIFY THE A/C UNIT DOES NOT HAVE AN INTERNAL CONDENSATE TRAP, IF THE UNIT HAS AN INTERNAL TRAP, DELETE THE EXTERNAL TRAP INDICATED ON THIS DETAIL.

- A. SLOPE DRAIN LINE TO CONDENSATE
B. RECEPTOR (MIN. 1/8" PER FOOT)
C. DRAIN LINES SHALL BE PVC SHED 40.
D. TSP = FAN TOTAL STATIC PRESSURE.

CONDENSATION P-TRAP DETAIL

SCALE: NONE

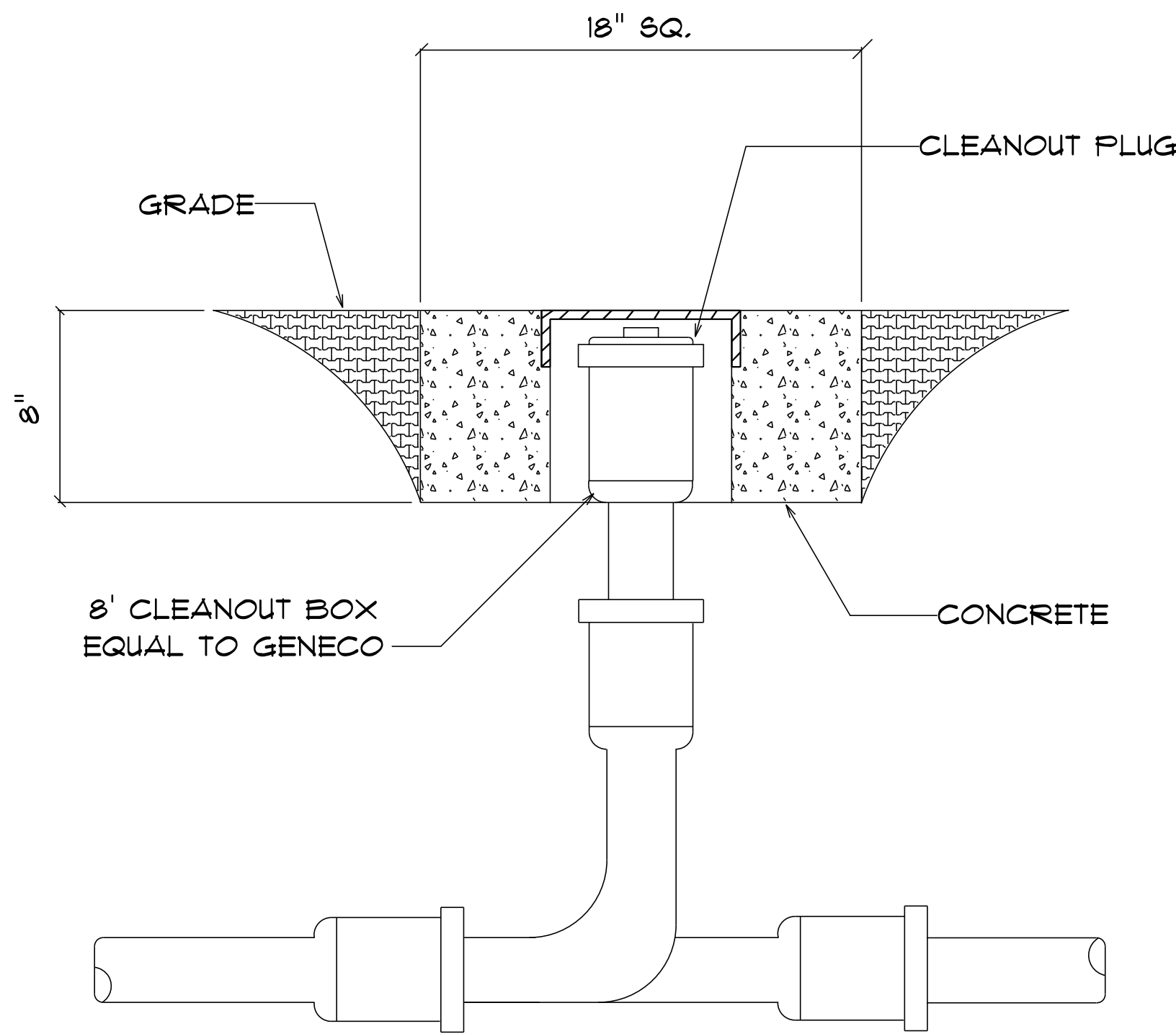


WATER HEATER DETAIL

SCALE: NONE

LEGEND

---	COLD WATER
---	HOT WATER
---	VENT
---	WASTE



CLEANOUT UP TO GRADE

SCALE: NONE

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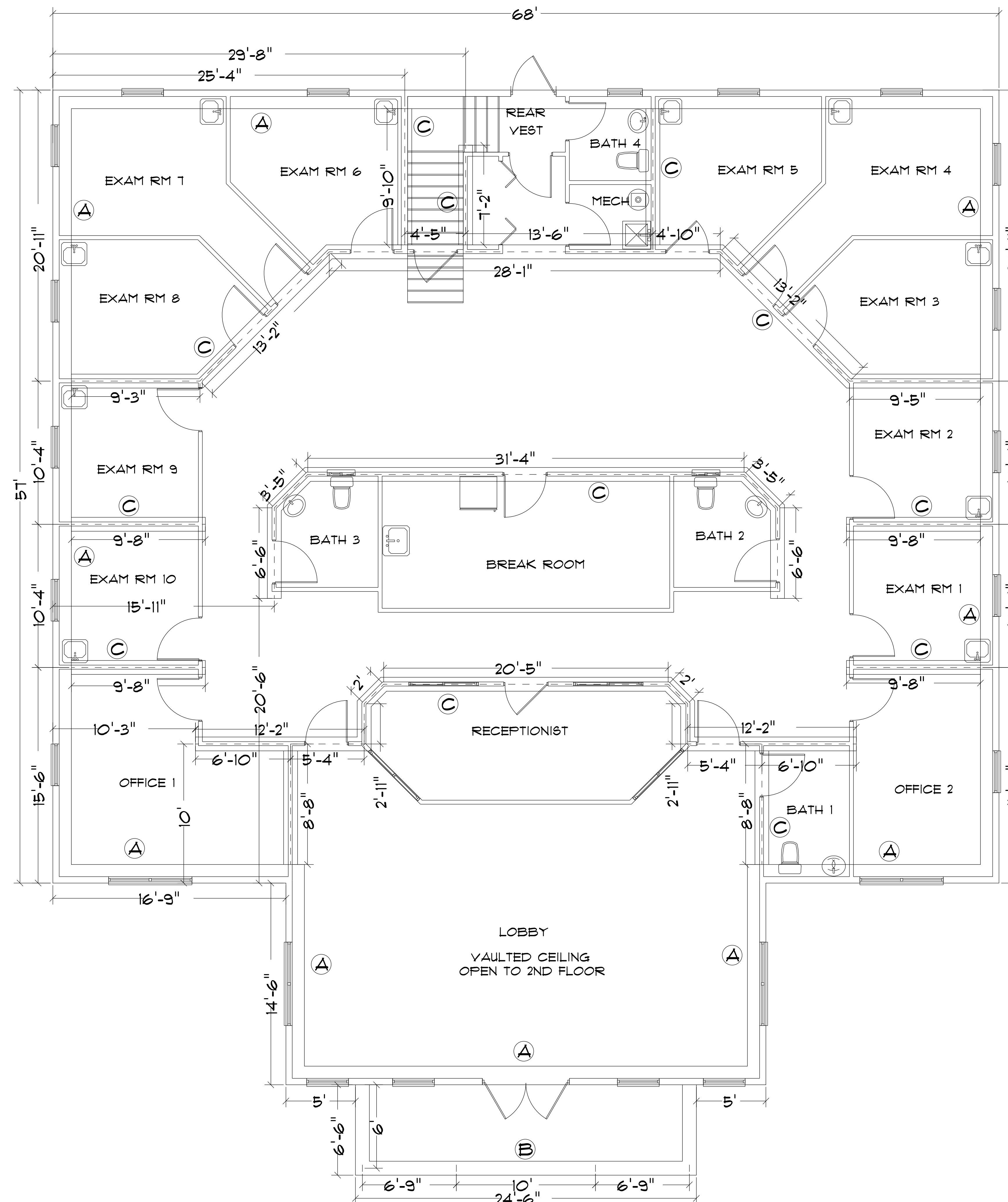
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P-4

OF 14 SHEETS



p.t 2x6 bottom plate w/sill
 sealant & 1/2"x10" anchor
 bolts 24" o.c. w/
 3"x3"x1/8" washer at each
 bolt
 4" concrete slab over
 6x6x10/10 (wum) wire
 mesh over 6mil vapor
 barrier over clean
 compacted, termite treated
 3#5 rods continuous
 w/min 25" lap and bend
 outside reinforcing rod 25"
 at corner (typ)

A Monolithic slab detail

6x6 p.t. post on
 ABA66z base attached
 to slab using 1/2"x6"
 redhead anchor
 4" concrete slab over
 6x6x10/10 (wum) wire
 mesh over 6mil vapor
 barrier over clean
 compacted, termite treated
 3#5 rods continuous
 w/min 25" lap and bend
 outside reinforcing rod 25"
 at corner (typ)

B Monolithic slab detail at porch

6x6x10/10 (wum) wire
 mesh over 6mil vapor
 barrier over clean
 compacted, termite treated
 soil
 2 - #5 rods continuous w/min 25" lap

C Load bearing in-field foundation

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S-1

OF 14 SHEETS

ROOF VENT CALCULATION					
FORMULA 1 SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING 144 SQUARE INCHES = 1 SQUARE FOOT BUILDING CEILING (SQ FT) X 144 = BUILDING (SQ IN) BUILDING (SQ IN) / 300 = SQ IN OF VENT REQUIRED SQ IN OF VENT REQUIRED / 2 = SQ IN AT HIGH AND 50% AT LOW PER REC SECTION R803.2.3(2) 40% MIN, BUT NOT MORE THAN 50% OF VENTILATION MUST BE PROVIDED BY VENTILATORS LOCATED A MIN 3'-0" ABOVE EAVE BASE OF CALCULATION: (A) OFF RIDGE VENTS - STAIRWELL W/ 36 SQ IN (NVA) PER LINEAL FT (B) SPLIT VENTS - GP T3-1/2" FULL VENT PERFORATED W/ 9.19 SQ IN (NVA) PER LINEAL FT CALCULATED LINEAL FOOT OF SPLIT VENT SHALL NOT INCLUDE NON-VENTED FIRE RATED SPLIT LOCATED LESS THAN 9' FROM PROPERTY LINE					
AREA (SQ FT)	REQUIRED HIGH	REQUIRED LOW	VENTS (SQ IN)	LINEAL FT	LOW (SQ IN)
SPLIT TABLE VENT SPEC'S Double 5" perforated soffits have a 6.30 sq. inch/sq. foot rating Triple 4" center vent soffit has a 1.856 sq. inch/sq. foot rating Triple 4" full vent soffit has a 5.867 sq. inch/sq. foot rating Triple 4" baffle/soffit full vent has a 14.34 sq. inch/sq. foot rating Triple 4" center vent has a 4.78 sq. inch/sq. foot rating Beaded hidden vent soffit has a 2.66 sq. inch/sq. foot rating Triple 3-1/2" hidden vent soffit has a 9.19 sq. inch/sq. foot rating					

NOTE

7/16" O.S.B. NAILED WITH 8D 6" O.C. IN FIELD & 4" O.C. ON EDGES

NOTE

Simpson Strong-Tie Co. Strong-Drive SDWC TRU88 Screw may be used for uplift connection in lieu of straps. Strong-Drive SDWC TRU88 Screw to be installed per manufacturer's specifications.

Simpson Strong-Tie Co. Titen HD Heavy-Duty Screw Anchors 5/8" x 8", maximum spacing of 42" o.c., may be used in lieu of 5/8"x10" anchor bolts with 3"x3"x1/8" washer.

1/2" HD Heavy-Duty Screw Anchors may be installed per manufacturer's specifications.

- 4" O.C. GABLE END
- 6" O.C. EDGES (ALL ZONES)
- 12" O.C. INTERMEDIATE FRAMING (ZONES 1 & 2)

SEE FIGURE R803.2.3.1, SECTION R803.1, 2017 FLORIDA BUILDING CODE - RESIDENTIAL, SIXTH EDITION FOR ROOF SHEATHING NAILING ZONES

ROOF NOTES

ROOF PITCH LESS THEN 4/12 DBL LAYER OF UNDERLAYMENT IS REQUIRED

OVERLAP ROOFING UNDERLAYMENT 4"(MIN) OVER HIP& RIDGES

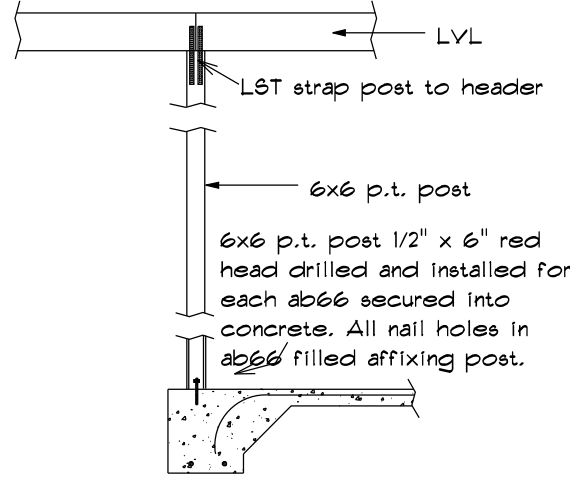
BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK WHEN SHINGLES NOT INSTALLED SAME DAY

DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE UNDERLAYMENT AT EAVES

ALL ROOF PENETRATIONS ARE PROPERLY FLASHED W/ FLASHING OF THE CORRECT SIZE FOR THE PENETRATION

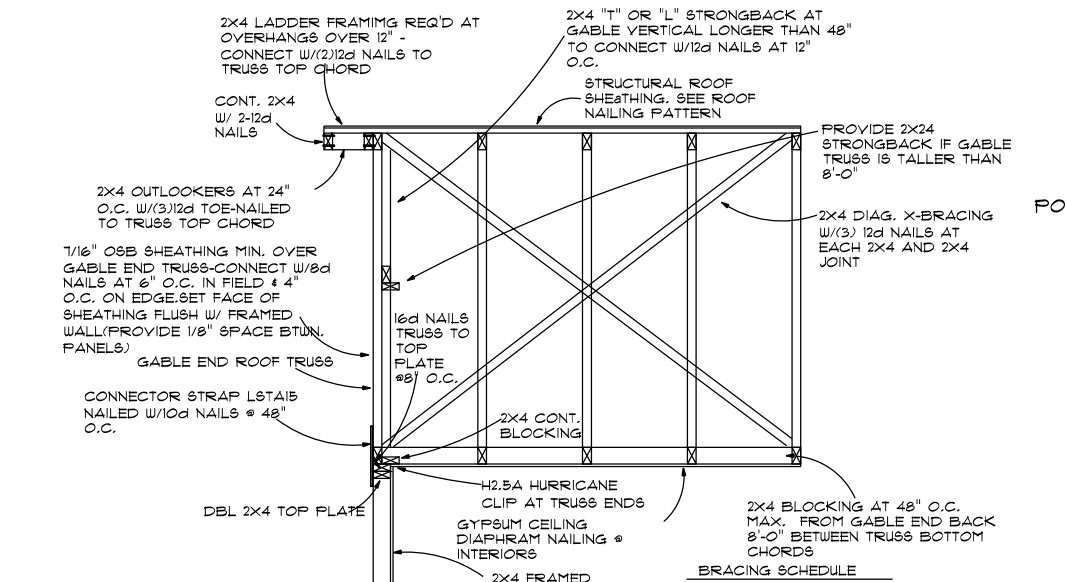
METAL ROOFING ATTACHED W/ CORRECT FASTENERS PER CODE AND MANUFACTURERS SPEC'S

1" SPACE IS MAINTAINED BETWEEN THE END OF THE GUTTER AND THE WALL CLADDING

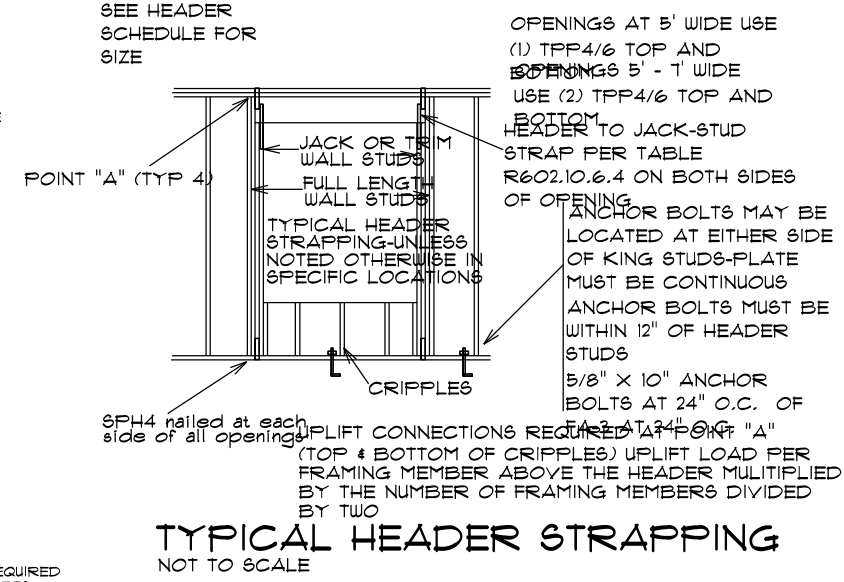


LVL detail connection

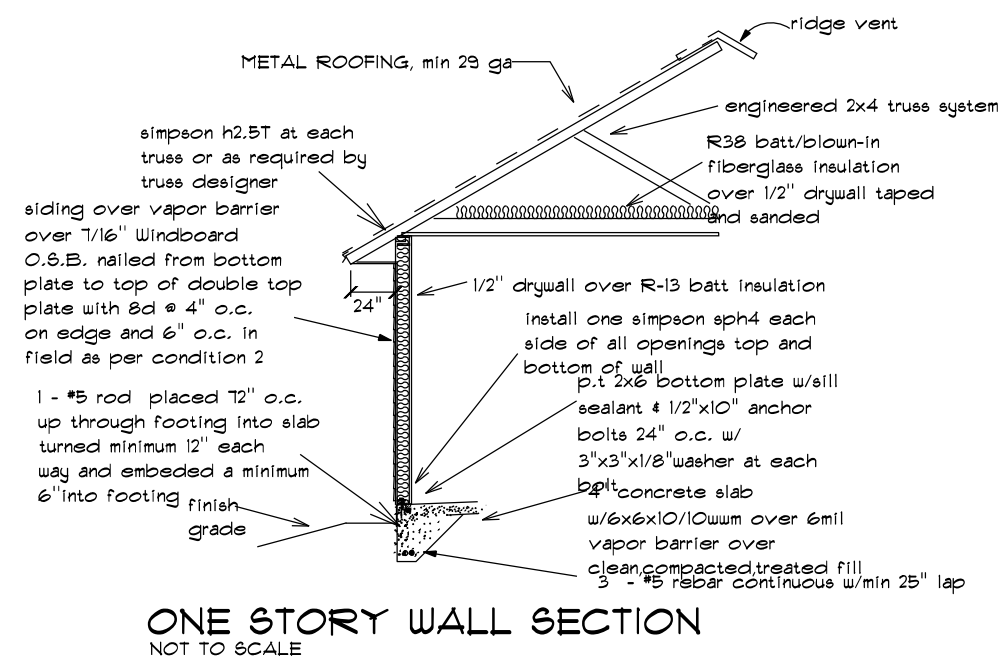
Double 1 3/4" x 11-1/4" LVL beam over opening up to 2'
 Double 1 3/4" x 11-1/4" LVL beam over opening over 2' and up to 4'
 Double 1 3/4" x 14" LVL beam over opening over 4' and up to 16' with 3 king studs each end and 2 trimmers each end of beam. Fastened with 12d nails to top plate and framing members. One PA28 at both sides of opening embedded min 4" into concrete. L818 strap over trimmer to header each side.



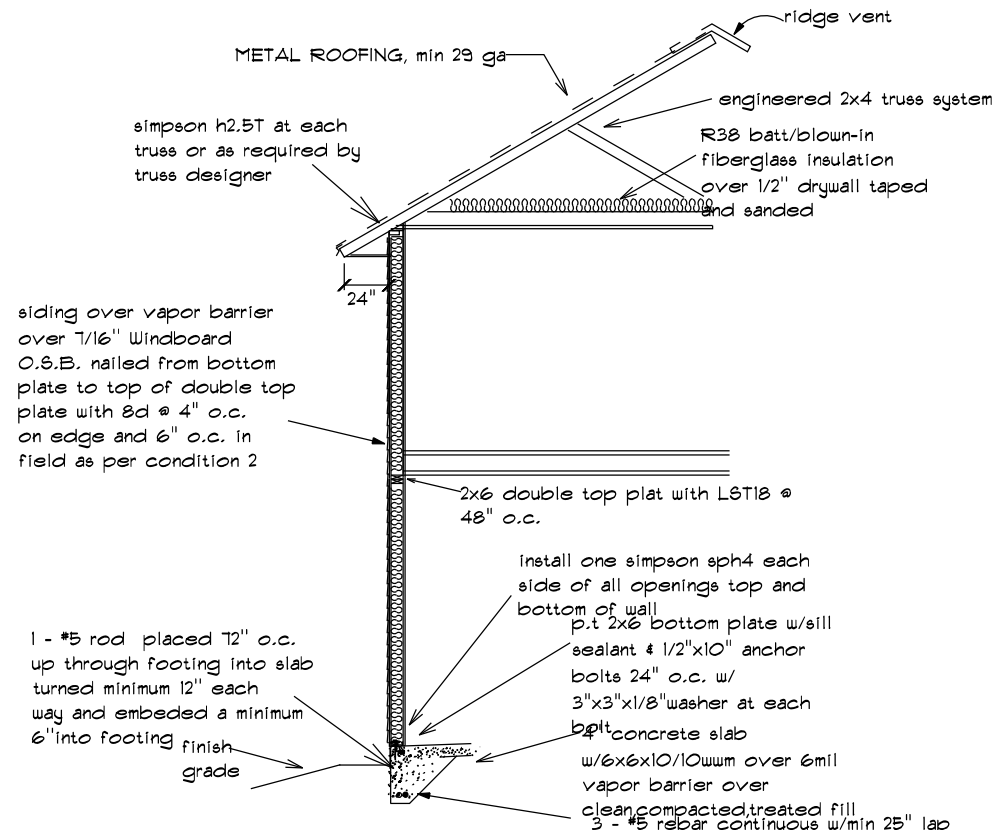
GABLE END BRACING



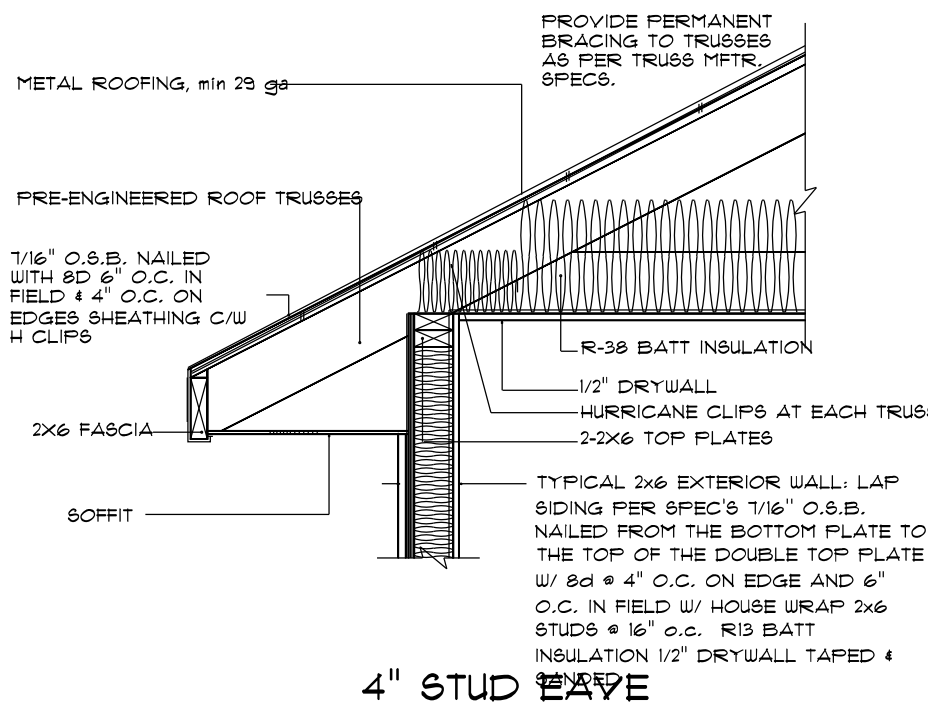
TYPICAL HEADER STRAPPING



ONE STORY WALL SECTION



TWO STORY WALL SECTION

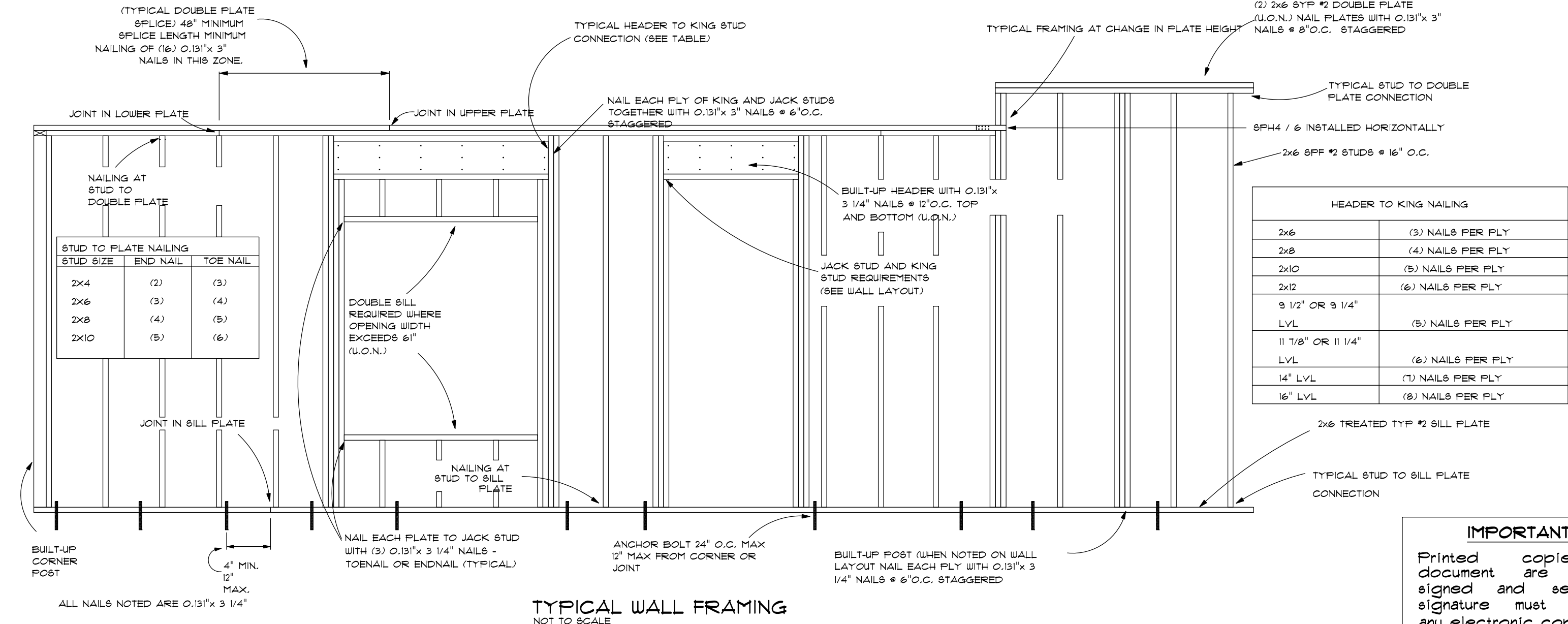


4" STUD BAY

HEADER SCHEDULE		NOTE: UPLIFT CONNECTION IS REQUIRED AT EACH END OF HEADER AND AT BOTTOM OF HEADER STUDS IN ADDITION TO CONNECTORS AT WALL STUDS AND AT TOP AND BOTTOM OF CRIPPLES	
2x STUD CONTINUOUS TO TOP PLATE HEADER - CONTINUOUS 2 x 2x STUDS UNDER LINTELS WITH OPENINGS LARGER THEN 5'-0"		MAXIMUM HEADER SPAN 3' 6' 9' 12' 15' 18'	
NUMBER OF HEADER STUDS (JACKS) SUPPORTING END OF HEADER 1 1 2 2 2 2		NUMBER OF FULL LENGTH STUDS (KINGS) AT END OF HEADER 2	
OPENING WIDTH	BEARING OR SHEAR WALL	NON-BEARING WALLS	
0'-0" TO 3'-0"	2 - 2 x 6's	2 - 2 x 4's	
3'-0" TO 5'-0"	2 - 2 x 10's	2 - 2 x 6's	
5'-0" TO 7'-0"	2 - 2 x 10's	2 - 2 x 8's	
7'-0" TO 10'-0"	2 - 2 x 10's	2 - 2 x 10's	



Digitally signed by Carol Chadwick
 DN: c=US, o=Florida,
 dnQualifier=A01410D0000017EB6
 D924CE0005954C, cn=Carol
 Chadwick
 Date: 2023.03.16 20:42:28 -04'00'



TYPICAL WALL FRAMING

IMPORTANT NOTE:
 Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

GRACE MEDICAL PRACTICE

LAKE CITY, FLORIDA

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PRINTED DATE:
 Thursday, March 16, 2023

DRAWN BY: CHECKED BY:
 Teresa M. Ruffo

BUILDING CONTRACTOR:
 PLUMB LEVEL CONSTRUCTION

FINAL DATE:

JOB NUMBER:

DRAWING NUMBER

S-2

OF 14 SHEETS