PLUMBING SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

(A)	ABANDON IN PLACE
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
AR	ACID-RESISTANT
&	AND
A	AQUASTAT, ARCHITECT, ANCHOR, AMPHERE
@	AT
BFP	BACKFLOW PREVENTER
BV	BALANCING VALVE
BFF	BELOW FINISHED FLOOR
BF	BLIND FLANGE
BTUH	BRITISH THERMAL UNITS PER HOUR
BLDG	BUILDING
CV	CHECK VALVE
CO	CLEANOUT
CW	COLD WATER
CD	CONDENSATE DRAIN
CONT.	CONTINUATION
CFH	CUBIC FEET PER HOUR
CFS	CUBIC FEET PER SECOND
(X)	DEMOLISH
DW	DISHWASHER, DOMESTIC WATER
DET	DOMESTIC EXPANSION TANK
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DN	DOWN
DS	DOWNSPOUT
DSN	DOWNSPOUT NOZZLE
D	DRAIN
DFU	DRAINAGE FIXTURE UNIT
DWV	DRAINAGE, WASTE AND VENT
DF	DRINKING FOUNTAIN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
ELECT	ELECTRICAL
ESV	ELECTRONIC SOLENOID VALVE
EEW	EMERGENCY EYE WASH
ESH	EMERGENCY SHOWER
(E)	EXISTING
EJ	EXPANSION JOINT
FT	FEET
FPS	FEET PER SECOND
FFE	FINISHED FLOOR ELEVATION
F	FIRE, FAHRENHEIT
FC	FLEXIBLE CONNECTOR
FL	FLOOR
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK, FLOW SWITCH
FV	FLUSH VALVE
'	FOOT, FEET
(F)	FUTURE
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GD	GARBAGE DISPOSER, GARAGE DRAIN
GWH	GAS WATER HEATER
GW	GREASE WASTE
HD	HEAD, HUB DRAIN
HP	HEAT PUMP, HORSE POWER, HOUSEKEEPING PAD
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HZ	HERTZ
HB	HOSE BIBB
HW	HOT WATER
HWFU	HOT WATER FIXTURE UNIT
HWR	HOT WATER RETURN
IN. "	INCHES
IW	INDIRECT WASTE
INV	INVERT ELEVATION
KW	KILOWATT
L	LAVATORY
MW	MAKE-UP WATER
MAX	MAXIMUM
HG	MERCURY
MIN	MINIMUM
MX	MIXING VALVE
MS	MOP SINK
MH	MOUNTING HEIGHT, MANHOLE
(N)	NEW
NPCW	NON-POTABLE COLD WATER
NOP	NORMALLY OPEN
N	NORTH
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
#	NUMBER
NO.	NUMBER
OD	OVERFLOW DRAIN, OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PH	PHASE
PLBG	PLUMBING
P	PLUMBING, PUMP
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
PD	PRESSURE DROP, PLUMBING DEMOLITION, PUMPED DISCHARGE
PG	PRESSURE GAUGE
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
QTY	QUANTITY
RWL	RAINWATER LEADER
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RV	RELIEF VENT, RELIEF VALVE
(R)	RELOCATE / RELOCATED LOCATION
RPM	REVOLUTIONS PER MINUTE
RD	ROOF DRAIN
SAN	SANITARY
SJ	SEISMIC JOINT
SB	SERVICE BOX
SS	SERVICE SINK
SHT	SHEET
SA	SHOCK ARRESTOR
SH	SHOWER
SOV	SHUT OFF VALVE
S, SK	SINK
SF	SQUARE FEET
SD	STORM DRAIN
SP	SUMP PUMP, STATIC PRESSURE
TEMP	TEMPERATURE
T&P	TEMPERATURE AND PRESSURE
T	TEMPERATURE, THERMOMETER
TP	TRAP PRIMER, TOTAL PRESSURE
TD	TRENCH DRAIN
TYP	TYPICAL
U, UR	URINAL
V	VACUUM, VENT, VOLT
VFD	VARIABLE FREQUENCY DRIVE
VS	VENT STACK
VTR	VENT THRU ROOF
WCO	WALL CLEANOUT
WB	WASHER BOX
W	WASTE
WS	WASTE STACK
WC	WATER COLUMN
WC	WATER COLUMN, WATER CLOSET
WHA	WATER HAMMER ARRESTOR
WH	WATER HEATER, WALL HYDRANT
WSFU	WATER SUPPLY FIXTURE UNIT
W/	WITH

Control Symbols

- AI — ANALOG INPUT TO DDC PANEL
- AO — ANALOG OUTPUT FROM DDC PANEL
- DP — DIFFERENTIAL PRESSURE SENSOR
- DI CT — DIGITAL INPUT CURRENT TRANSFORMER
- DI — DIGITAL INPUT TO DDC PANEL
- DO — DIGITAL OUTPUT FROM DDC PANEL
- DO S/S — DIGITAL OUTPUT START/STOP SIGNAL
- FM — FLOW METER
- T E — LINE VOLTAGE THERMOSTAT

General

- CONTINUATION
- X / X — DETAIL NUMBER AND SHEET LOCATION
- XX-X / LOCATION — EQUIPMENT IDENTIFICATION
- EXTENT OF DEMOLITION
- X — FIXTURE TAG (LEVEL BELOW FIXTURE)
- XX — FOOD SERVICE EQUIPMENT / CALCULATION TAG
- X — KEYED NOTE
- PIPE BELOW GRADE
- POINT OF CONNECTION
- XX / XXX — SECTION NUMBER AND SHEET LOCATION
- DEMOLISH
- EXISTING WORK
- NEW WORK
- PIPE OR CONDUIT BELOW GRADE

Piping Fittings

- AP — ACCESS PANEL
- AQUASTAT
- AD — AREA DRAIN
- BLIND FLANGE
- CAP
- COTG — CLEANOUT TO GRADE
- CONCENTRIC REDUCER
- DSN — DOWNSPOUT NOZZLE
- ECCENTRIC REDUCER
- EXPANSION JOINT
- FLEXIBLE CONNECTION
- FCO — FLOOR CLEANOUT
- FD — FLOOR DRAIN
- FS — FLOOR SINK
- FLOW DIRECTION
- FLOW SWITCH
- HOSE BIBB / WALL HYDRANT
- HD — HUB DRAIN
- METER
- OD — OVERFLOW ROOF DRAIN
- PEX — PEX MANIFOLD
- PIPE DROP
- PIPE RISE
- PRESSURE GAUGE WITH COCK
- PUMP
- RD — ROOF DRAIN
- SHOCK ABSORBER / WATER HAMMER ARRESTOR
- STRAINER
- T&P RELIEF VALVE WITH PIPE TO DRAIN
- TEE DOWN ON PIPE
- TEE UP ON PIPE
- TEMPERATURE SENSOR
- TEST PORT
- THERMOMETER
- TP — TRAP PRIMER MANIFOLD
- TRENCH DRAIN
- UNION
- VACUUM RELIEF
- VTR — VENT THROUGH ROOF
- WCO — WALL CLEANOUT

Piping Systems

- 140°HW — 140%%d HOT WATER PIPING
- 140°HWR — 140%%d HOT WATER RETURN PIPING
- AV — ACID RESISTANT VENT PIPING
- AW — ACID RESISTANT WASTE ABOVE GRADE
- AW — ACID RESISTANT WASTE BELOW GRADE
- COLD WATER PIPING
- CA — COMPRESSED AIR PIPING
- D — CONDENSATE / INDIRECT DRAIN PIPING
- DIR — DE-IONIZED WATER RETURN
- DIS — DE-IONIZED WATER SUPPLY
- DI — DISTILLED WATER
- F — FIRE PROTECTION PIPING
- GV — GAS VENT PIPING
- GW — GREASE WASTE ABOVE GRADE OR FINISHED FLOOR
- GW — GREASE WASTE BELOW GRADE OR FINISHED FLOOR
- HOT WATER PIPING
- HOT WATER RETURN PIPING
- IR — IRRIGATION
- 2#G — NATURAL GAS PIPING, 2 LB
- G — NATURAL GAS PIPING, 7" WC PRESSURE
- NP — NON-POTABLE COLD WATER PIPING
- NP — NON-POTABLE HOT WATER PIPING
- OD — OVERFLOW DRAIN PIPING ABOVE GRADE OR FINISHED FLOOR
- PD — PUMPED DISCHARGE
- R/O — REVERSE OSMOSIS WATER
- SANITARY VENT PIPING
- SANITARY WASTE OR SOIL PIPING ABOVE GRADE OR FINISHED FLOOR
- SANITARY WASTE OR SOIL PIPING BELOW GRADE OR FINISHED FLOOR
- SHW — SOLAR HOT WATER
- SHWR — SOLAR HOT WATER RETURN
- SD — STORM DRAIN PIPING ABOVE GRADE OR FINISHED FLOOR
- SD — STORM DRAIN PIPING BELOW GRADE OR FINISHED FLOOR
- TW — TEMPERED WATER PIPING
- TP — TRAP PRIMER PIPING

Valves

- BFP — BACKFLOW PREVENTER
- BACKWATER VALVE
- X GPM — BALANCING VALVE
- CHECK VALVE
- EARTHQUAKE GAS VALVE
- ELECTRONIC SOLENOID VALVE
- GLOBE VALVE
- HOSE END DRAIN VALVE
- NATURAL GAS PIPING CONNECTION ASSEMBLY
- PRESSURE REDUCING VALVE
- SHUTOFF VALVE, GENERAL

GENERAL PLUMBING NOTES

A. CONDITIONS SHOWN ON PLANS RELATIVE TO THE WORK TO BE PERFORMED ARE BASED ON THE BEST INFORMATION AVAILABLE AND ARE SUBJECT TO CONTRACTOR TO FIELD VERIFICATION. VERFIY LOCATIONS AND ELEVATIONS OF UTILITIES TO BE CROSSED OR CONNECTED. CORRECT DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS AT NOT EXPENSE TO THE OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITION IN CONFLICT WITH THE DETAIL /PLANS.

B. PRIOR TO START OF WORK, THE GENERAL AND PLUMBING CONTRACTOR SHALL PERFORM SCOPING AND THOROUGH INVESTIGATION OF EXISTING SANITARY SEWER SYSTEM TO DETERMINE THE EXACT CONDITION IF PIPING, INVERT ELEVATION AND ROUTING.

C. COORDINATE INSTALLATION OF PIPING BELOW AND ABOVE GRADE WITH STRUCTURAL COMPONENTS AND OTHER SYSTEMS INSTALLATION.

D. COORDINATE FIXUTRES, EQUIPMENT, PIPE ROUGH-IN / CONNECTION LOCATIONS AND DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS.

E. LOCATE SHUT-OFF VALVES FOR SERVICE ACCESSIBLITY. VALVES INSTALLED ABOVE CEILING SHALL BE WITHIN 18" OF CEILING.

F. BECAUSE OF THE NATURE AND SCALE OF THE DRAWINGS, CERTAIN BASIC PLUMBING ITEMS SUCH AS UNIONS, FITTINGS, ELBOWS, ETC., MAY NOT BE SHOWN. WHERE SUCH ITEMS ARE REQUIRED BY THE NATURE OF THE WORK, OR BY CODES AND REGULATIONS, THEY SHALL BE FURNISHED AND INSTALLED AT NO ADDITIONAL COST TO THE OWNER. THE DRAWINGS INDICATE GENERAL LOCATIONS OF PIPING, THE EXACT LOCATION TO BE DETERMINED BY THE CONTRACTOR TO BEST FIT THE LAYOUT OF THE PROJECT.

G. THE CONTRACTOR SHALL SEE THAT ALL MATERIALS, INSTALLATION AND WORKMANSHIP IS PERFORMED IN ACCORDANCE WITH THE LASTEST EDITION OF ALL APPLICABLE CODES, LAWS, OR ORDINANCES AND LOCAL CODES, INCLUDING ALL STATE OR LOCAL BOARD OF HEALTH FEDERAL AND STATE ENVIRONMENTAL PROTECTION REGULATION, STATE ENERGY CODES.

H. CONTRACTOR TO FIELD VERIFY ALL GAS FIRED EQUIPMENT AND COORDINATE WITH THE LOCAL GAS COMPANY FOR SIZE OF NEW METERS.

I. CONTRACTOR TO COODINATE WITH ARCHITECT/ OWNER FOR ALL NEW PLUMBING FIXTURES, SEE SCHDULE CUT SHEET ON SHEET P0.2.

J. CONTRACTOR TO FIELD VERIFY ALL DOMESTIC WATER PIPING THAT HAS BEEN REMOVED DUE TO VANDALISM THROUGH OUT THE BUILDING SHALL BE REPLACED WITH PEX TUBING WITH THE CORRECT PIPE SIZES. THE HOT, COLD & RETURN SHALL BE A COMPLETE WORKING ORDER SYSTEM WHEN DONE.

Mechanical approved by James Darnold
Exceptions has noted
Checking is only general conformance with the design concept of this project and general compliance with the information given in the contract documents. Any correction or comment are subject to the requirements of the plans and specifications. Contractor is responsible for dimensions which shall conform and correlated all of the job site, fabrication process and techniques of construction, coordination of work preformed with that of all trades and the satisfactory performance of work preformed and all codes requirements. All sections shall conform with all current adopted national and state mechanical codes

PLANS APPROVED
BY CITY OF GALLUP, N.M.
BUILDING DEPARTMENT
☒ APPROVED
☐ APPROVED AS NOTED
By John Mangis
Permit 23-054 Date: 9-19-2023
Does Not Include Mechanical, Electrical or Plumbing

SHEET INDEX

REVIEWED and APPROVED with no exceptions
Review and approval of the Submitted plans by this office does not relieve the applicant of the responsibility of compliance with all applicable codes and standards.
Fire Marshal — Date: 9-20-23
505-726-5449

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BY: ___ TIME: 3:24PM

INTERFACE ENGINEERING
PROJECT 2022-1135
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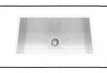
SHEET TITLE
SYMBOL LIST AND GENERAL NOTES - PLUMBING

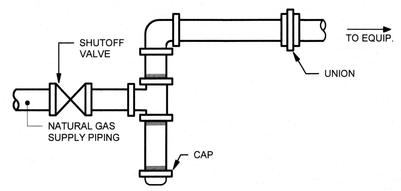
REVISIONS

DRAWN BY: TK
CHECKED BY: JMM
JOB NO.: 2022-1372
DATE: 03/31/2023
SHEET NUMBER: P0.1

Item	certificate item	Picture	DESCRIPTION	Finish	QTY	
ADL-HE2818S	HE2818S		Size:28*18*9" Material:SUS304 Thickness:18Gauge R0 corner,Bottom with silencing pad and spray coating With drainer accessories	Brushed	133	File No. 10966
ADL-6040	HE2318S		Material:SUS304 With drainer accessories	PVD BLACK	133	
6555-KS-03	6555-KS-03		(1) 16" Faucet Height, 8" Spout Height and 9" Spout Reach (2) Ceramic cartridge, 500,000 times for open and close (3) Rotating 360° Bent Pipe (4) 60mm Bottom Sleeve, Faucet mounting hole Φ32mm (5) Suitable for all countertop installation (6) 1 Set flexible hose 3/8" female comp, 800mm Including (7) US Patent Nut locking assembly, Easy and simple installation, More stable faucet With cUPC Certificate	Brushed	133	File No. 4974
6902	6902		(1) 12" Faucet Height, 9" Spout Height and 6" Spout Reach (2) Ceramic cartridge, 500,000 times for open and close (3) 60mm Bottom Sleeve, Faucet mounting hole Φ32mm (4) Suitable for all countertop installation (5) 1 Set flexible hose 3/8" female comp, 900mm Including (6) Outlet with copper tube, (7) US Patent Nut locking assembly, Easy and simple installation, More stable faucet With cUPC Certificate	PVD BLACK	133	
6563A-05	6563A-05		(1) 14" NPT pipe thread Shower Arm (2) 304 stainless steel single function Square 12" Shower head (3) 90°rotation of transfer valve handle with stops (4) Pressure−balancing control valve, 500,000 times for open and close (5) Square panel, 150CM shower hose (6) 304 stainless steel single function handheld shower (7) including Tub Spout (8) Shower Head flow is limited to 1.5-2.5gpm at 80 psi (9) Handheld Shower flow is limited to 1.5-2.5gpm at 80 psi (10) Tub Spout flow is limited to 2.4gpm at 20 psi With cUPC Certificate	BLACK	133	

PLUMBING FIXTURE SCHEDULE-MODEL

SYMBOL	FIXTURE TYPE	DESCRIPTION	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	ACCESSORIES	CONNECTION W	CONNECTION V	CONNECTION CW	CONNECTION HW	COMMENT
WM-1	OUTLET BOX	WASHING MACHINE OUTLET BOX (FIRE RATED) - NSF-372 COMPLIANT, ABS BOX/FRAME, NO-LEAD BRASS VALVES, ASSE 1010 WATER HAMMER ARRESTORS, 3/4" OUTLET CONNECTIONS, 2" DRAIN CONNECTION, INDIVIDUAL DRAIN AND SUPPLY BOXES	SIOUX CHIEF	696RG2313		2"	1-1/2"	1/2"	1/2"	



1 GAS CONNECTION DETAIL

NO SCALE

GAS CALCULATIONS

FIXTURE	DESCRIPTION	NO. OF FIXT.	BTU/HR INPUT	TOTAL BTU/HR
MECHANICAL EQUIPMENT				
RTU-1	ROOF TOP UNIT	1	150,000	150,000
RTU-2	ROOF TOP UNIT	1	120,000	120,000
RTU-3	ROOF TOP UNIT	1	250,000	250,000
RTU-4	ROOF TOP UNIT	1	150,000	150,000
RTU-5	ROOF TOP UNIT	1	150,000	150,000
DOAS-01	DEDICATED OUTSIDE AIR UNITS	1	154,000	154,000
DOAS-02	DEDICATED OUTSIDE AIR UNITS	1	154,000	154,000
PLUMBING EQUIPMENT				
[ ]	DOMESTIC WATER HEATER	0	0	0
[ ]	DOMESTIC WATER HEATER	0	0	
	TOTAL DEMAND (BTU)			1,128,000
	TOTAL DEMAND (CFH)			1,128

GAS: NATURAL GAS
PIPING: SCH 40 STEEL
SIZING BASED ON:
7" W.C. STD SUPPLY PRESSURE WITH 0.5 PSI PRESSURE DROP
250 FEET DEVELOPED LENGTH

4"	4,560 CFH
3"	1,980 CFH
2-1/2"	1,120 CFH
2"	704 CFH
1 1/2"	366 CFH
1 1/4"	244 CFH
1"	119 CFH
3/4"	63 CFH
1/2"	30 CFH

WATER SERVICE CALCULATIONS

PRIVATE INDIVID. DWELLING	PRIVATE 3 OR MORE DWELLINGS	PUBLIC GENERAL USE	PUBLIC HEAVY USE ASSEMBLY	DESCRIPTION	PRIVATE INDIVIDUAL DWELLING	PRIVATE 3 OR MORE DWELLINGS	PUBLIC GENERAL USE	PUBLIC HEAVY-USE ASSEMBLY	TOTAL UNITS	(.75) HOT WATER	WASTE FIXTURE PRIVATE	WASTE FIXTURE PUBLIC	TOTAL UNITS
				RETAIL SPACE	0.00	0.00	0.00	40.00	0.00	0.00	40.00	0.00	0.00
				SINK	1.00	1.00	2.00	2.00	0.00	0.00	2.00	2.00	0.00
	126			BATHTUB OR COMB. BATH/SHOWER	4.00	3.50	0.00	4.00	441.00	330.75	3.00	3.00	378.00
		1		HOSE BIBB	2.50	2.50	2.50	2.50	2.50	0.00	0.00	0.00	0.00
				HOSE BIBB (HW/CW)	2.50	2.50	2.50	2.50	0.00	0.00	0.00	0.00	0.00
		8		HOSE BIBB, EACH ADDITIONAL	1.00	1.00	1.00	1.00	8.00	0.00	0.00	0.00	0.00
	126			KITCHEN SINK, DOMESTIC	1.50	1.00	1.50	2.00	126.00	94.50	2.00	2.00	252.00
				LAUNDRY SINK	1.50	1.00	2.00	0.00	0.00	0.00	2.00	2.00	0.00
	126	7		LAVATORY	1.00	0.50	1.00	1.00	70.00	52.50	2.00	2.00	266.00
				SERVICE SINK OR MOP BASIN (2" TRAP)	0.00	0.00	3.00	3.00	0.00	0.00	3.00	3.00	0.00
		4		SERVICE SINK OR MOP BASIN (3" TRAP)	0.00	0.00	3.00	3.00	12.00	9.00	3.00	3.00	12.00
				SHOWER, EACH HEAD	2.00	2.00	2.00	2.00	0.00	0.00	2.00	2.00	0.00
		4		URINAL, 1.0 GPF	0.00	0.00	4.00	5.00	16.00	0.00	5.00	5.00	20.00
				WASHUP SINK, EACH SET OF FAUCETS	0.00	0.00	2.00	0.00	0.00	0.00	2.00	2.00	0.00
	126			WATER CLOSET, 1.6 GPF, GRAVITY TANK	2.50	2.50	2.50	4.00	315.00	236.25	3.00	6.00	378.00
				WATER CLOSET, 1.6 GPF, FLUSHOMETER TANK	2.50	2.50	2.50	3.50	0.00	0.00	3.50	8.00	0.00
		12		WATER CLOSET, 1.6 GPF, FLUSHOMETER VALVE	5.00	5.00	5.00	8.00	60.00	0.00	3.00	6.00	72.00
				FLOOR DRAIN - EMERGENCY -					0.00		0.00	0.00	0.00
	6			FLOOR DRAIN - FD-1 3"					0.00		6.00	6.00	36.00
				FLOOR DRAIN - FD-2 4"					0.00		8.00	8.00	0.00
				FLOOR DRAIN - FD-3 3"					0.00		6.00	6.00	0.00
	4			FLOOR SINK - FS-1 4"					0.00		6.00	6.00	24.00
				TOTAL FIXTURE UNITS					**1050.50**	**723.00**			**1438.00**
				FLOW IN GPM					220.000	13.000	gpm		
				EMERGENCY SAFETY EQUIPMENT 30	GPM				0.000				
				COOLING TOWER MAKE-UP 30	GPM				0.000				
				HVAC MAKE-UP 30	GPM				0.000				
				IRRIGATION FLOW 20	GPM				0.000				
				TOTAL GPM REQUIRED					**220.000**	gpm			
		a.		MINIMUM DAILY SERVICE PRESSURE					84.000	(Water Service Room near Elevators))			
		b.		STATIC HEAD LOSS .434 #/FT X	FT HGT.				30.000				
		c.		WATER METER PRESSURE DROP 0	METER SIZE				5.000				
		d.	2	BACKFLOW PREVENTER 0					8.000				
		e.		PRESSURE REQUIRED AT FIXTURE					35.000				
				PRESSURE AVAILABLE FOR									
				FRICTION LOSS, a - b - c - d - e					**6.000**				
				TOTAL EQUIVALENT PIPE LENGTH									
		450	FT	LENGTH X 1.25					562.500				
				MAXIMUM FRICTION LOSS									
				PRESS. AVAIL. X 100/EQUIV. LENGTH					**1.067**				
				SYSTEM SIZED FOR 1.2 PSIG LOSS PER 100'									
				SERVICE SIZE FROM BUILDING PIPING					**4"**				
				SEWER LATERAL SIZE									**8"**

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HAVEN LIVING

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SHEET TITLE
SCHEDULES - PLUMBING

REVISIONS

DRAWN BY TK

CHECKED BY JMM

JOB NO. 2022-1372

DATE 03/31/2023

SHEET NUMBER
P0.2

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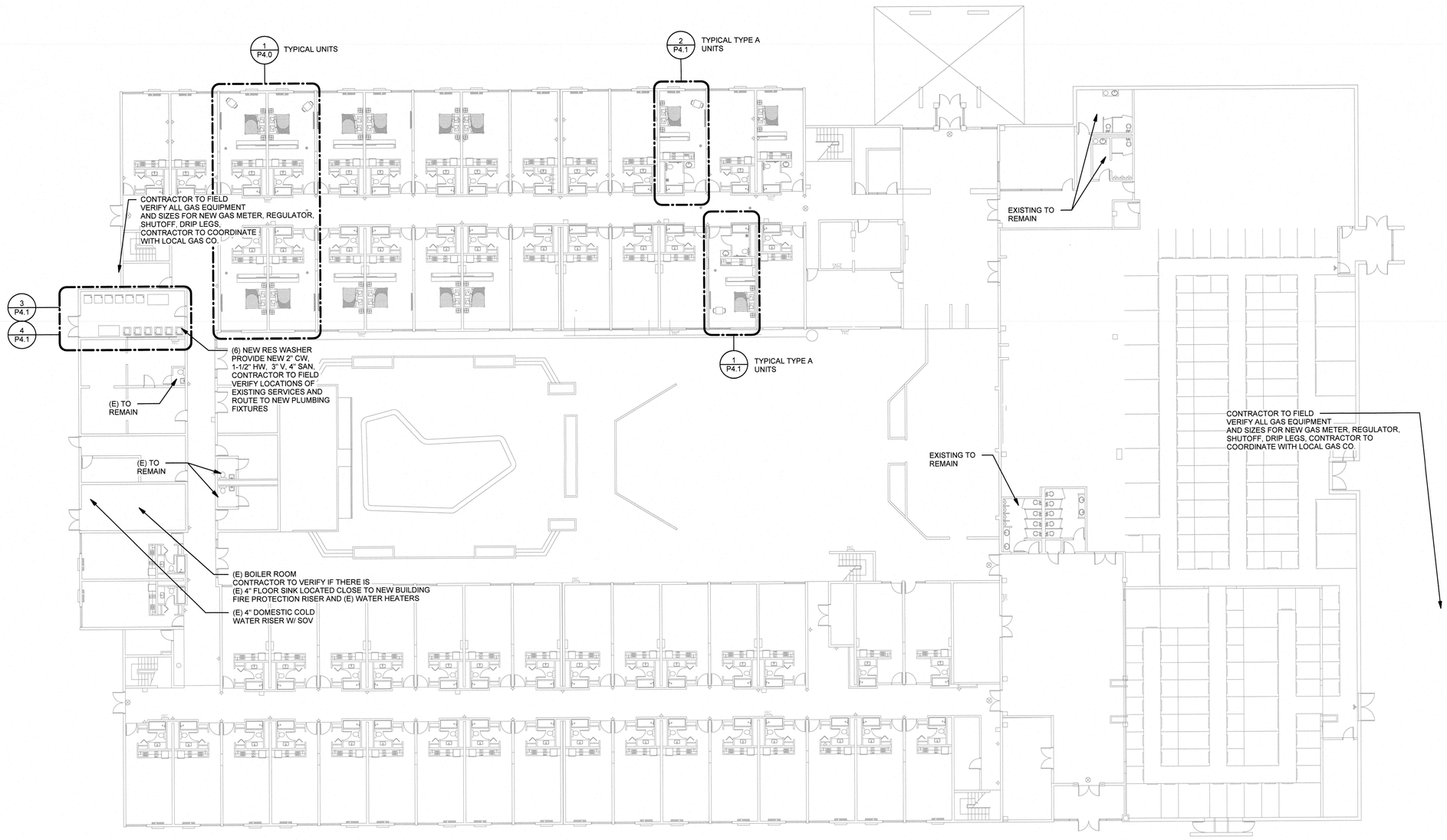

1 FIRST FLOOR PLAN - PLUMBING

0' 8' 16' 32'

1/16" = 1'-0"

Must comply with all national and state adopted codes

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PROFESSIONAL ENGINEER

Andrew W. Frichtl
2023.05.11
10:51:56-07'00'

HAVEN LIVING

3009 W HISTORIC HWY 66
GALLUP, NM 87301

SHEET TITLE
FIRST FLOOR PLAN - PLUMBING

REVISIONS

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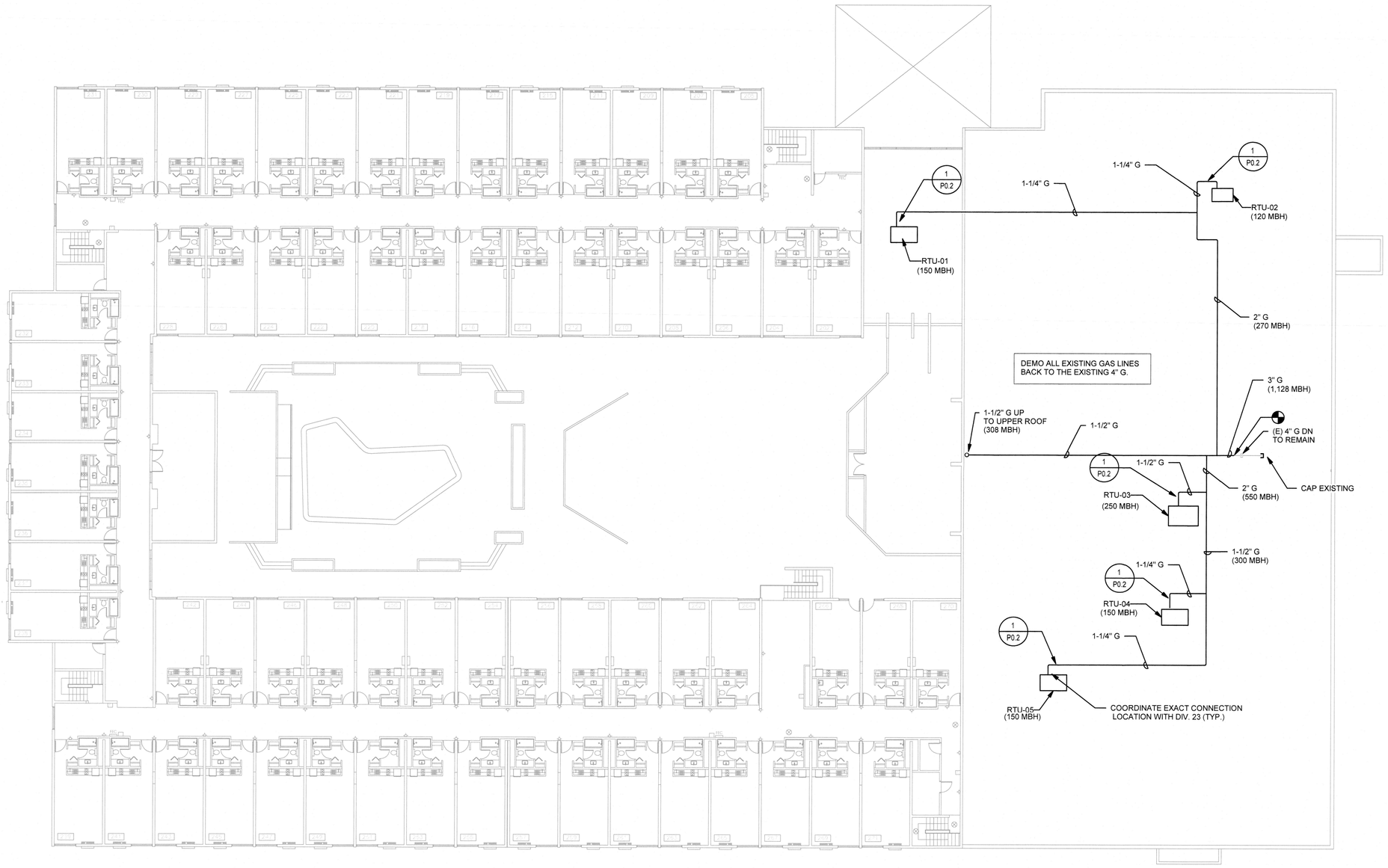
CHECKED BY JMM
JOB NO. 2022-1372
DATE 03/31/2023
SHEET NUMBER P1.0



1 SECOND FLOOR PLAN - PLUMBING

0' 8' 16' 32'

1/16" = 1'-0"

Gas test pressure 1213.3

Hangers and supports 313.2

Must comply with all national and state adopted codes

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CITY OF GALLUP
PLANNING & DEVELOPMENT
BY: MT TIME 2:26pm

INTERFACE ENGINEERING

PROJECT 2022-1135
CONTACT TODD KOLIBABA

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Portland, OR 97204
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ANDREW W. FRICHTL
NEW MEXICO
16110
PROFESSIONAL ENGINEER

Andrew W. Frichtl
2023.05.11
10:51:56-07'00'

HAVEN LIVING

3009 W HISTORIC HWY 66
GALLUP, NM 87301

SHEET TITLE
SECOND FLOOR PLAN - PLUMBING

REVISIONS

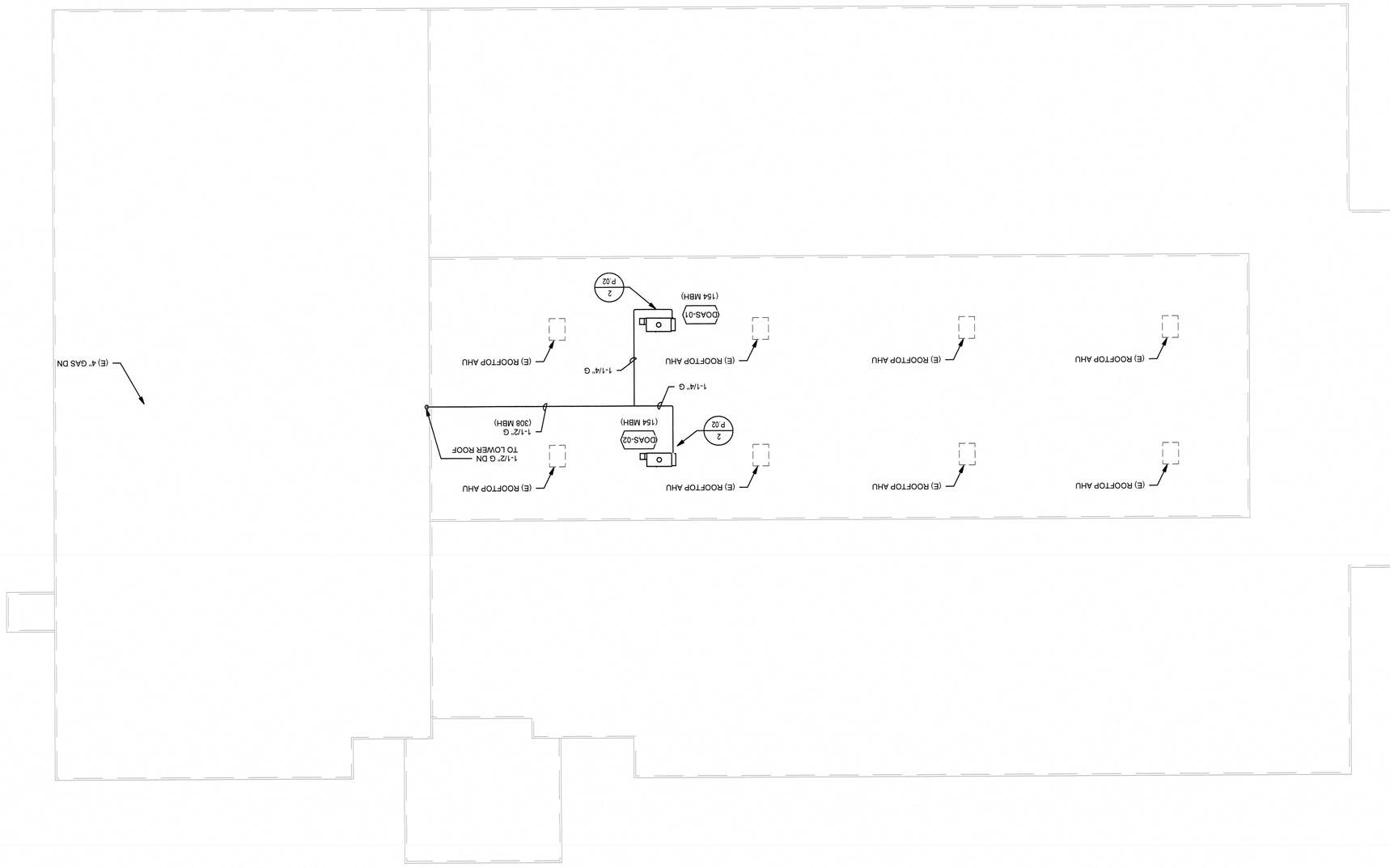
DRAWN BY TK

CHECKED BY JMM

JOB NO. 2022-1372

DATE 03/31/2023

SHEET NUMBER
P1.1



1 ROOF PLAN - PLUMBING

1/16" = 1'-0"

0' 8' 16' 32'

Must comply with all national and state adopted codes

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CITY OF GALLUP
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P1.2

SHEET NUMBER

03/31/2023

DATE

2022-1372

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Author

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ROOF PLAN - PLUMBING

SHEET TITLE

HAVEN LIVING

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GALLUP, NM 87301

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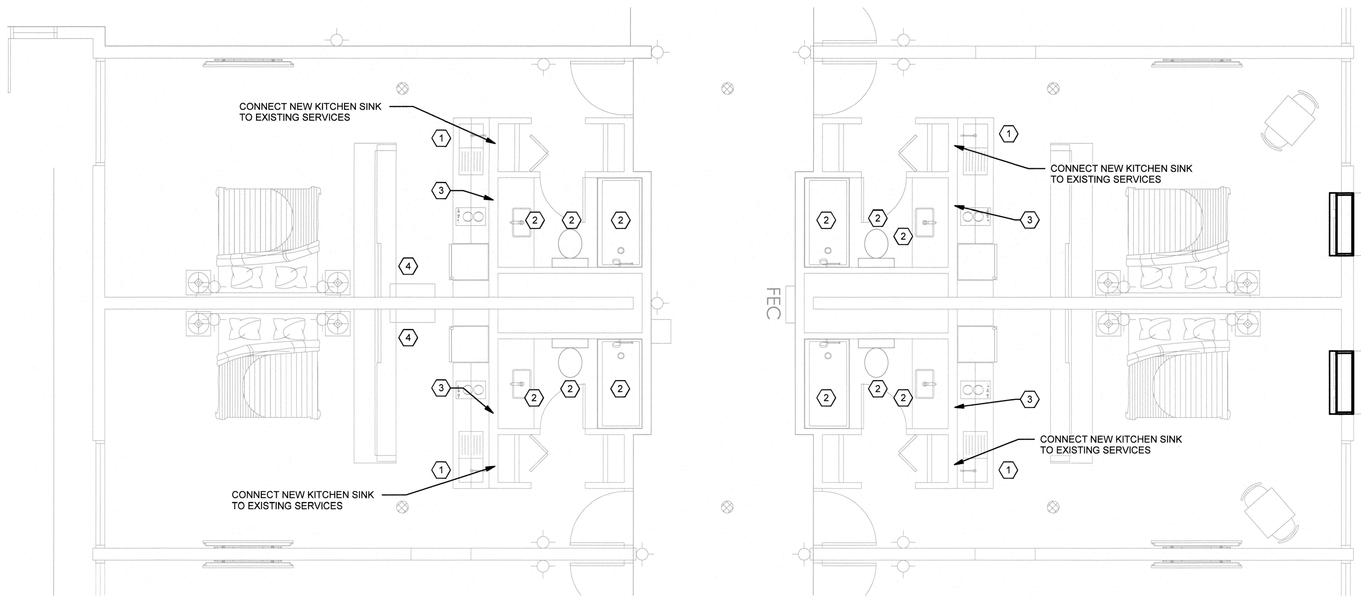
2023.05.11
10:51:56-07'00'

SHEET KEYNOTES

1. NEW KITCHEN SINK COORDINATE WITH OWNER , SEE SCHEDULE ON SHT. P0.2.
2. EXISTING FIXTURES TO REMAIN.
3. EXTEND 1/2" HW, 1/2" CW TO NEW KITCHEN SINK, ROUTE 2" SAN , 1-1/2" VENT IN WALL AND CONNECT TO EXISTING SERVICES.
4. ROUTE 3/4" CONDENSATE TO THE NEAREST SINK OR LAVATORY TAILPIECE.



1 FLOOR PLAN TYPICAL UNITS - PLUMBING

0' 2' 4' 8'
1/4" = 1'-0"

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ANDREW W. FRICHTL NEW MEXICO 16110 PROFESSIONAL ENGINEER
Andrew W. Frichtl 2023.05.11 10:51:56-07'00'

HAVEN LIVING
3009 W HISTORIC HWY 66
GALLUP, NM 87301

SHEET TITLE
ENLARGED UNIT PLANS - PLUMBING

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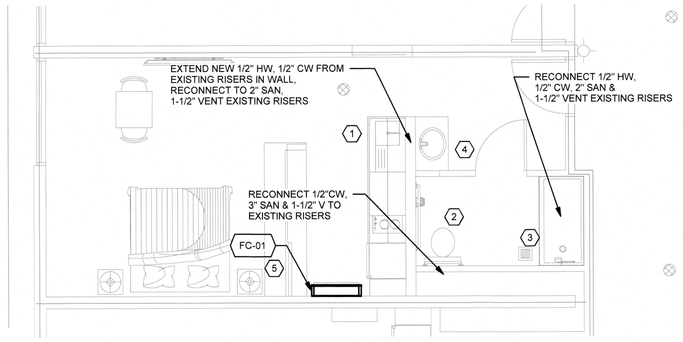
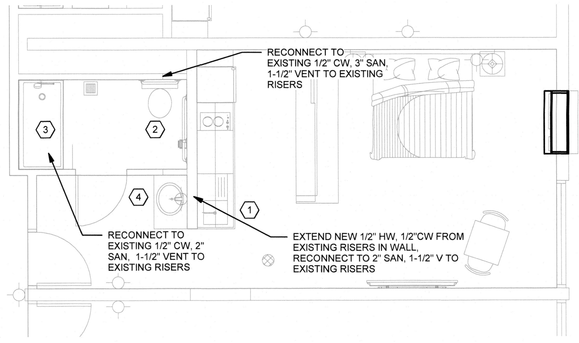


1 ENLARGED FLOOR PLAN TYPE A UNIT - PLUMBING

0' 2' 4' 8'

1/4" = 1'-0"



2 ENLARGED FLOOR PLAN TYPE A UNIT - PLUMBING

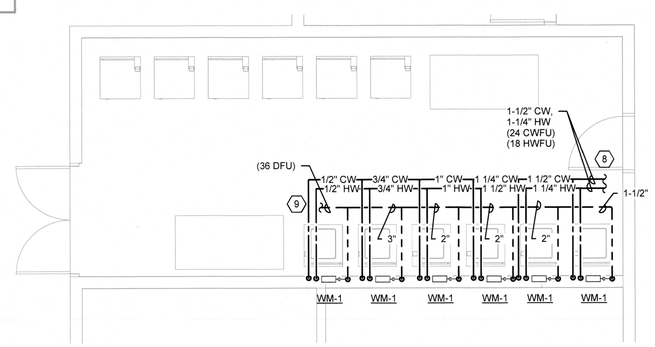
0' 2' 4' 8'

1/4" = 1'-0"

SHEET KEYNOTES

1. KITCHEN SINK COORDINATE WITH OWNER, SEE SCHEDULE ON SHT. P0.2.
2. NEW ADA WATER CLOSET COORDINATE WITH OWNER FOR MAKE AND MODEL.
3. NEW ADA SHOWER AND SHOWER VALVE. COORDINATE WITH OWNER, SEE SCHEDULE ON SHT. P0.2.
4. EXISTING FIXTURE TO BE REUSED.
5. ROUTE CONDENSATE TO THE NEAREST TAILPIECE.
6. ROUTE NEW 4" SANITARY SEWER TO THE NEAREST EXISTING, CONTRACTOR TO FIELD VERIFY EXISTING LOCATION.
7. CONTRACTOR TO VERIFY THERE IS A FLOOR DRAIN IN THE SPACE, IF NO FLOOR DRAIN A 3" FLOOR DRAIN WILL NEED TO BE ADDED. VENT AND TRAP PRIME PER CODE.
8. ROUTE NEW 1-1/2" COLD, 1-1/4" HOT WATER TO THE NEAREST SERVICES, CONTRACTOR TO FIELD VERIFY EXISTING LOCATION.
9. ROUTE NEW 3" VENT TO THE NEAREST SERVICES, CONTRACTOR TO FIELD VERIFY EXISTING LOCATION.

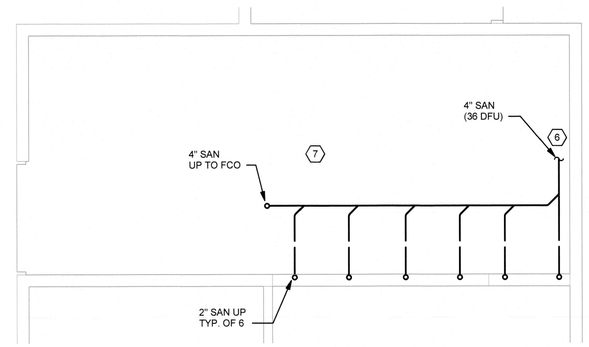
Water hammer 609.11



3 ENLARGED PLAN - LAUNDRY ROOM - PLUMBING

0' 4' 8' 16'

1/4" = 1'-0"



4 ENLARGED PLAN - LAUNDRY ROOM - UNDERGROUND - PLUMBING

0' 4' 8' 16'

1/4" = 1'-0"

Must comply with all national and state adopted codes

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SHEET TITLE
ENLARGED ACCESSIBLE UNIT PLANS - PLUMBING

REVISIONS

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SHEET NUMBER P4.1