

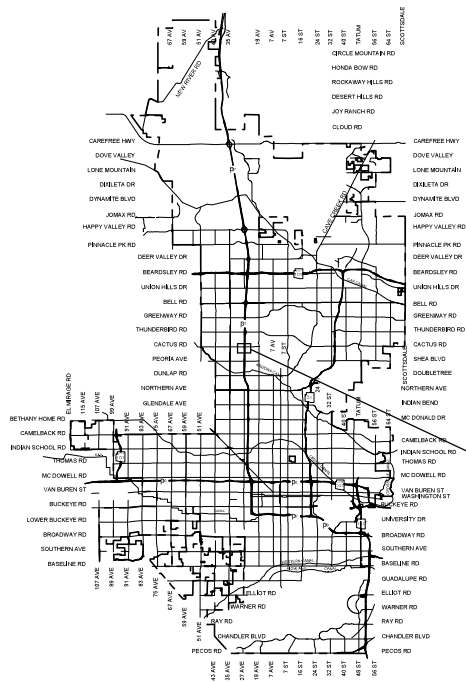
CITY OF PHOENIX

OFFICE OF THE CITY ENGINEER

Project: US VETS WASTE AND VENT UPGRADES
12027 North 28th Drive Phoenix AZ 85029
AH10010002



2024



VICINITY MAP
NTS



ENLARGED VICINITY MAP
NTS

MAYOR
KATE GALLEGO

CITY COUNCIL

- DISTRICT NO. 1 - ANN O'BRIEN
- DISTRICT NO. 2 - JIM WARING
- DISTRICT NO. 3 - DEBRA STARK
- DISTRICT NO. 4 - LAURA PASTOR
- DISTRICT NO. 5 - BETTY GUARDADO
- DISTRICT NO. 6 - KEVIN ROBINSON
- DISTRICT NO. 7 - CARLOS GALINDO-ELVIRA
- DISTRICT NO. 8 - KESHA HODGE WASHINGTON

CITY MANAGER
JEFF BARTON

CITY ENGINEER
ERIC J. FROBERG, PE

APPROVALS

DATE: _____
Eric J. Froberg
 ENGINEER SUPERVISOR



VERTICAL PROJECT MANAGEMENT SECTION

KVA # _____
 SDEV # _____

Note:
 Per City of Phoenix City Code Chapter 2, section 2-28, these plans are for official use only and may not be shared with others except as required to fulfill the obligations of your contract with the City of Phoenix.

VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT CIVIL
[Symbol] — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL.

INDICATES DIRECTION OF TRUE NORTH
PLAN OR DETAIL NUMBER
PLAN OR DETAIL NAME
1 — VIEW NAME
1/8" = 1'-0" — PLAN OR DETAIL SCALE

INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS
DETAIL REFERRED TO BY SECTION CUT
SHEET DETAIL IS LOCATED ON

LINE TYPE AND TAG KEY

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
—— NEW
----- EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
----- NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
----- EXISTING
----- EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
----- EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

*TAG-E TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

*TAG-1 UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

◆ INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

PLUMBING SYMBOL LIST	
NOT ALL SYMBOLS MAY APPLY.	
SYMBOL:	DESCRIPTION:
[Symbol]	SANITARY DRAINAGE
[Symbol]	SANITARY VENT
[Symbol]	POINT OF CONNECTION TO DEMO BACK TO
[Symbol]	POINT OF CONNECTION OF NEW TO EXISTING
[Symbol]	PIPE CONTINUATION
[Symbol]	PIPE DOWN
[Symbol]	PIPE UP OR UPDOWN
[Symbol]	PIPE SERVING FIXTURE ON FLOOR ABOVE (EXAMPLE: FD = FLOOR DRAIN)

PLUMBING ABBREVIATION KEY	
ABBR:	DESCRIPTION:
CO	CLEANOUT
E	EXISTING
FCO	FLOOR CLEANOUT
LAV	LAVATORY
SH	SHOWER
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT

PLUMBING SHEET INDEX	
P.0.01	PLUMBING COVERSHEET.
C.0.00	COVER SHEET.
P.1.01	PLUMBING SITE PLAN.
P.2.01	OVERALL PLUMBING PLAN - LEVEL 01 & 02.
P.2.02	OVERALL PLUMBING PLAN - LEVEL 03 & 04.
P.3.01	ENLARGED WASTE PIPING PLAN - UNDERSLAB - LEVEL 01
P.4.01	ENLARGED PLUMBING PLAN - TYPE A, B, C, D, E, H.
P.4.02	ENLARGED PLUMBING PLAN - TYPE D & D.1.
P.4.03	ENLARGED PLUMBING PLAN - TYPE D.2, 3, & LAUNDRY ROOM.
P.5.01	PLUMBING DETAILS.
P.5.02	PLUMBING ISOMETRIC DIAGRAMS.
GRAND TOTAL:	11

PLUMBING PHASING NOTES:

PHASE 1: SITE SANITARY SEWER MAIN, BUILDING UNDERSLAB WASTE MAIN AND UNDERSLAB WASTE STACK LATERALS

PHASE 2: WASTE AND VENT STACKS SERVING LEVEL 01 THROUGH LEVEL 04 AND VENT STACKS UP THROUGH ROOF.

PHASE 3: LEVEL 04 RESIDENT ROOMS WASTE AND VENT REPLACEMENT, RESIDENT ROOM ON LEVEL 04 MADE READY FOR MOVE-IN.

PHASE 4: LEVEL 03 RESIDENT ROOMS WASTE AND VENT REPLACEMENT, RESIDENT ROOM ON LEVEL 03 MADE READY FOR MOVE-IN.

PHASE 5: LEVEL 02 RESIDENT ROOMS WASTE AND VENT REPLACEMENT, RESIDENT ROOM ON LEVEL 02 MADE READY FOR MOVE-IN.

PHASE 6: LEVEL 01 RESIDENT ROOMS WASTE AND VENT REPLACEMENT, RESIDENT ROOM ON LEVEL 01 MADE READY FOR MOVE-IN.

PLUMBING FIXTURE ROUGH-IN SCHEDULE (WASTE AND VENT)

TAG NAME	DESCRIPTION	SANITARY	VENT
BT/SH	BATHTUB / SHOWER	2"	1 1/2"
FD	SHOWER FLOOR DRAIN	2"	1 1/2"
FD	FLOOR DRAIN	2"	1 1/2"
LAV	LAVATORY	2"	1 1/2"
SK	SKIB (BASK)	2"	1 1/2"
WB	UTILITY BOX (WASHING MACHINE)	2"	1 1/4"
WC	WATER CLOSET	4"	2"

NOTES

- PROVIDE MISSING PLUMBING FIXTURES AT THE FOLLOWING RESIDENT ROOM LOCATIONS. COORDINATE WITH OWNER FOR MFR. AND MODEL NUMBER IN ORDER TO MATCH EXISTING.

FLOOR 1	WC UNIT # 117, 118, 119, 120 & 124
	LAV WITH TRM AND VANITY, UNIT # 117, 118, 119, & 124
	SH TRM, UNIT # 117, 119, 120, & 124
	SK WITH TRM, UNIT # 117, 118, 119, 120, & 124

FLOOR 2	WC UNIT # 217
	LAV WITH TRM AND VANITY, UNIT # 223 & 228
	SH TRM, UNIT # 223 & 228
	SK WITH TRM, UNIT # 223 & 228

FLOOR 3	WC UNIT # 323
	LAV WITH TRM AND VANITY, UNIT # 323 & 325
	SH TRM, UNIT # 323
	SK WITH TRM, UNIT # 323, 325 & 325

FLOOR 4	WC UNIT #423
	LAV WITH TRM AND VANITY, UNIT # N/A
	SH TRM, UNIT # N/A
	SK WITH TRM, UNIT # 425
- REMOVE AND REPLACE ALL ANGLE STOPS AT RESIDENT ROOM WATER CLOSETS, LAVATORIES AND SHWS. PROVIDE NEW ANGLE STOP AS ALL BRASS, 1/4 TURN, CHROME PLATED, APOLLO, MCGUIRE, CHICAGO OR EQUAL.

Revisions	Date



Designed By: IMEG

Drawn By:

Checked By: IMEG

Date: 04/29/2024

SCALE: As indicated

Tab: PLUMBING COVERSHEET.

Index No:

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PHOENIX, AZ 85028
PH: 602.428.0100

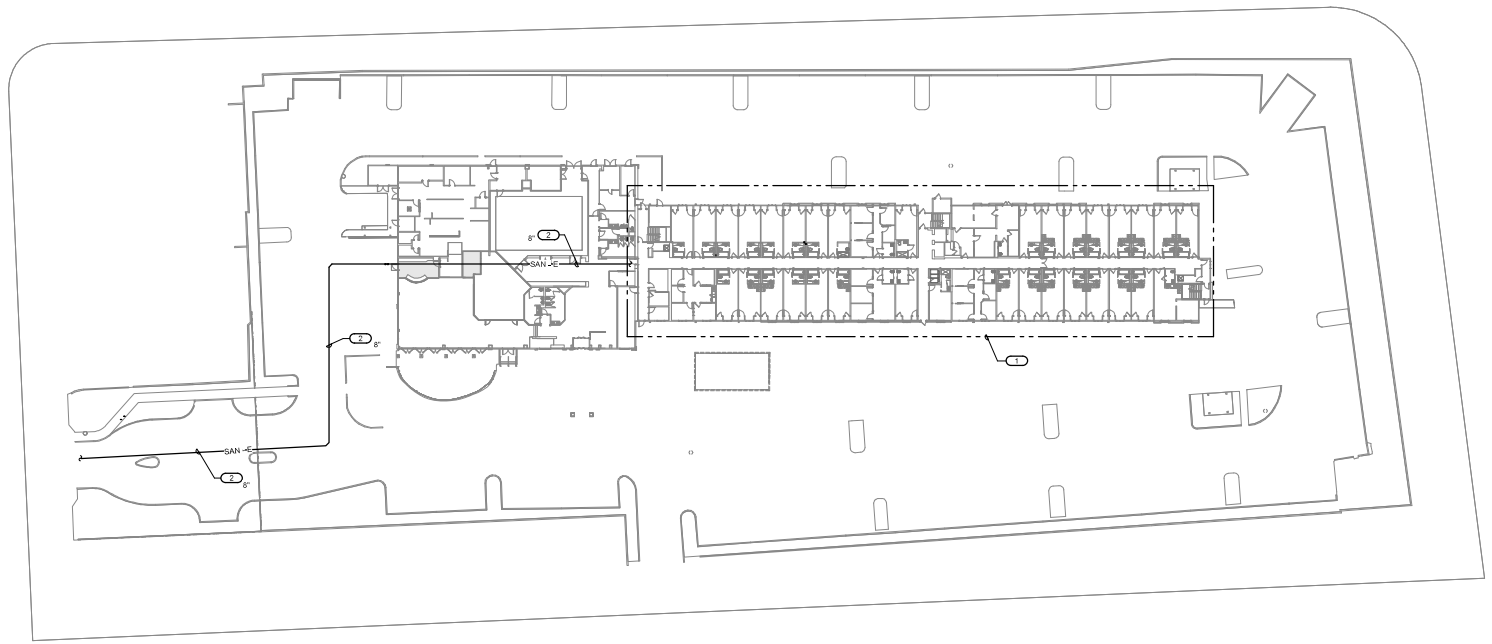
IM SCALE IN CHANGES PROJECT # 24022328.00

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KVA # _____

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P.01
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SHEET NUMBER



1 PLUMBING SITE PLAN - OVERALL.
1/32" = 1'-0"

PLUMBING GENERAL NOTES:

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3. ALL PLUMBING FIXTURES CURRENTLY NOT INSTALLED SHALL BE INSTALLED AS A PART OF THE PROJECT SCOPE AND MADE OPERATIONAL.
4. IN THE EVENT PLUMBING FIXTURE IS DAMAGED AND IN NEED OF REPLACEMENT, NOTIFY OWNER OF COST AND SUBMIT DOCUMENTATION IN WRITING AND ANY SUPPORTING PHOTOGRAPHS. OWNER SHALL PROVIDE MANUFACTURER AND MODEL NUMBER OF REPLACEMENT FIXTURE TO MATCH EXISTING.
5. VERIFY PIPE SIZES. REPLACEMENT SIZE SHALL MATCH EXISTING.
6. EXISTING CONDITIONS ON PLANS ARE PROVIDED TO INDICATE THE GENERAL SCOPE OF ITEMS TO BE REMOVED AND NEW WORK TO BE INSTALLED. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. PLUMBING CONTRACTOR SHALL CUT AND PATCH EXISTING AS REQUIRED FOR NEW OR DEMOLITION WORK.
8. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
9. NOT ALL EXISTING PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
10. CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE OWNER IF OBSTRUCTIONS ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO AREA OF WORK.
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12. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK AND REPLACE DAMAGED TO MATCH EXISTING CONDITIONS.

REVISIONS:

1. SCOPE OF WORK AREA FOR RAMP AND LINED WASTE AND VENT SYSTEM. REFER TO ENLARGED SCALE PLANS FOR ADDITIONAL INFORMATION.
2. WATER JET FLUSH EXISTING SANITARY WASTE MAIN IN BUILDING AND SEWER MAIN OUTSIDE OF BUILDING CLEAN OF SCUM UP TO PROPERTY LINE AT POINT OF CONNECTION TO CITY MAIN, CAMERA VIDEO TAPE MAIN PRIOR TO TURN-OVER OF PROJECT AND SUBMIT TO OWNER FOR REVIEW AND SIGNATURE OF ACCEPTANCE OF WORK AS COMPLETE.

Revisions	Date



Seal
Designed By:
IMEG
Drawn By:
IMEG
Checked By:
IMEG
Date:
04/29/2024
SCALE:
As indicated

Title: PLUMBING SITE PLAN.

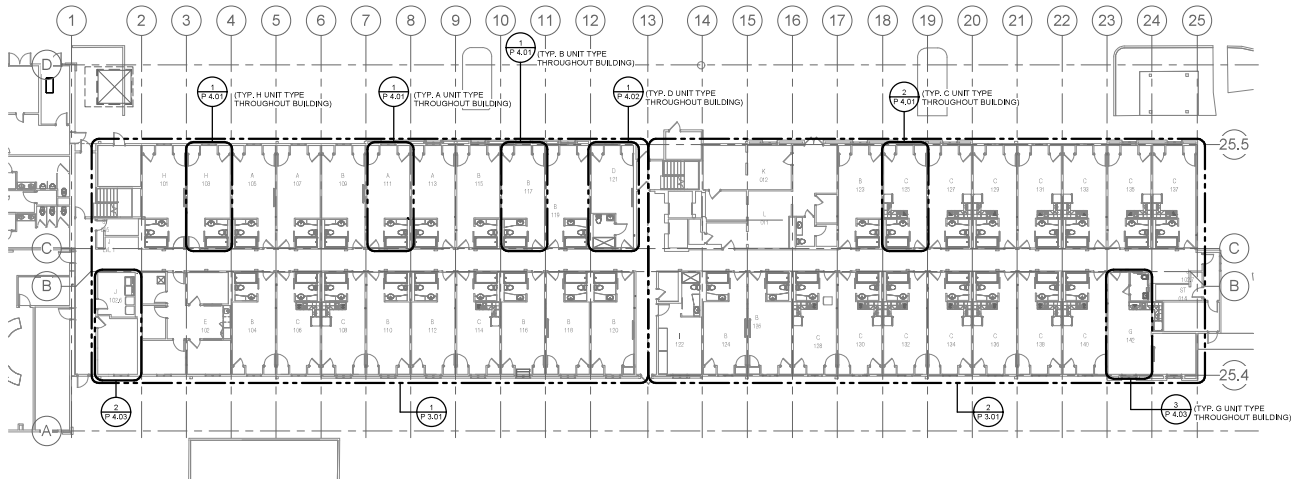
CITY OF PHOENIX OFFICE OF THE CITY ENGINEER PROJECT: US VETS WASTE AND VENT UPGRADES

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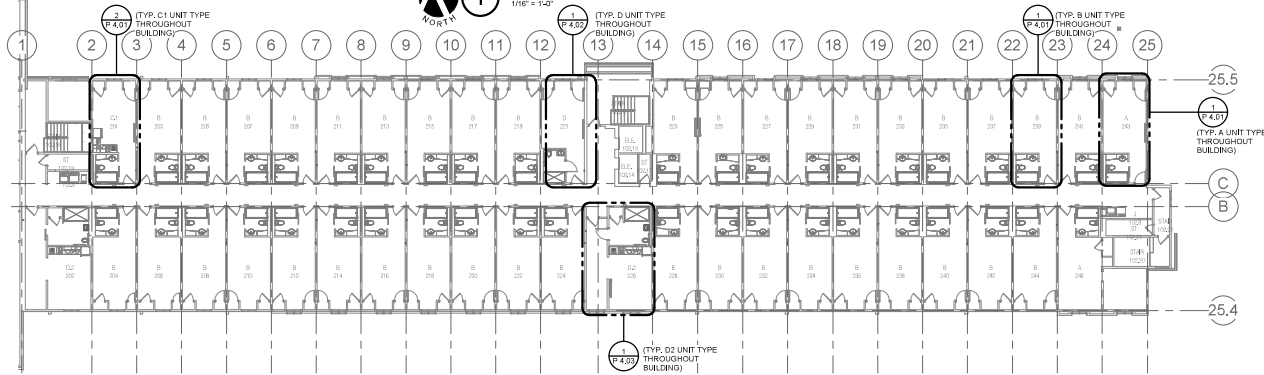
IND. SCALE INCHES PROJECT # 240022828

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1 PLUMBING PLAN - LEVEL 01.



2 PLUMBING PLAN - LEVEL 02.

PLUMBING GENERAL NOTES:

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5. VERIFY PIPE SIZES. REPLACEMENT SIZE SHALL MATCH EXISTING.
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8. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
9. NOT ALL EXISTING SPRING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
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12. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK AND REPLACE DAMAGED TO MATCH EXISTING CONDITIONS.

Revisions	Date



Seal EXP. 03-31-2026
Designed By: IMEG
Drawn By: IMEG
Checked By:
Date: 04/29/2024
SCALE: As indicated

Title: OVERALL PLUMBING PLAN - LEVEL 01 & 02.

Index No.



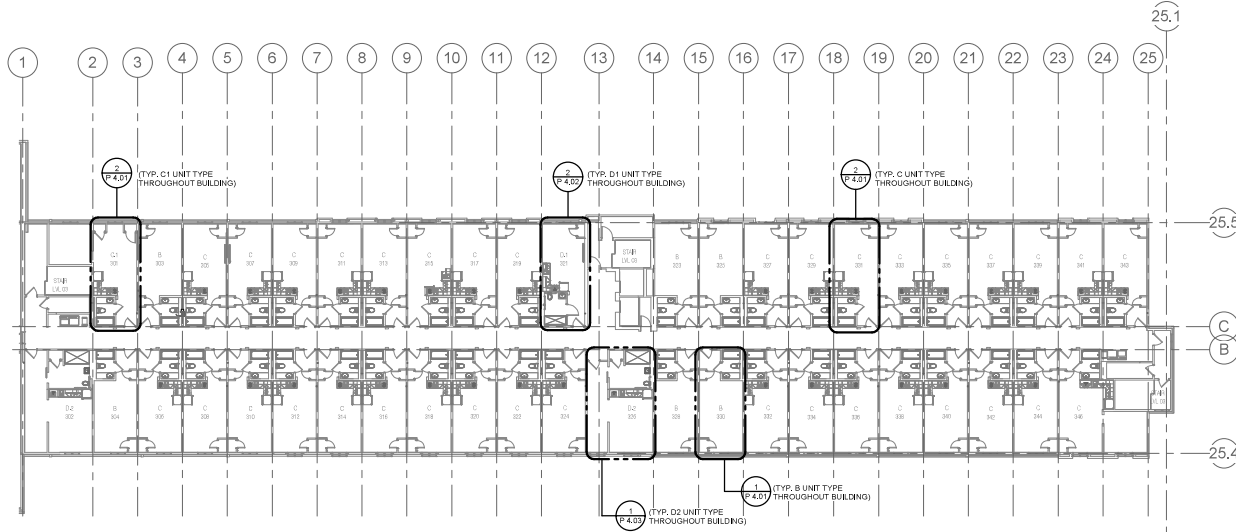
City of Phoenix
OFFICE OF THE CITY ENGINEER
PROJECT: US VETS WASTE AND VENT UPGRADES
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KVA # _____
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P 2.01
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SHEET NUMBER

IMEG 6012 N. MILA CENTER PARKWAY
SUITE 100
SCOTTSDALE, AZ 85258
PH: 480.949.4414

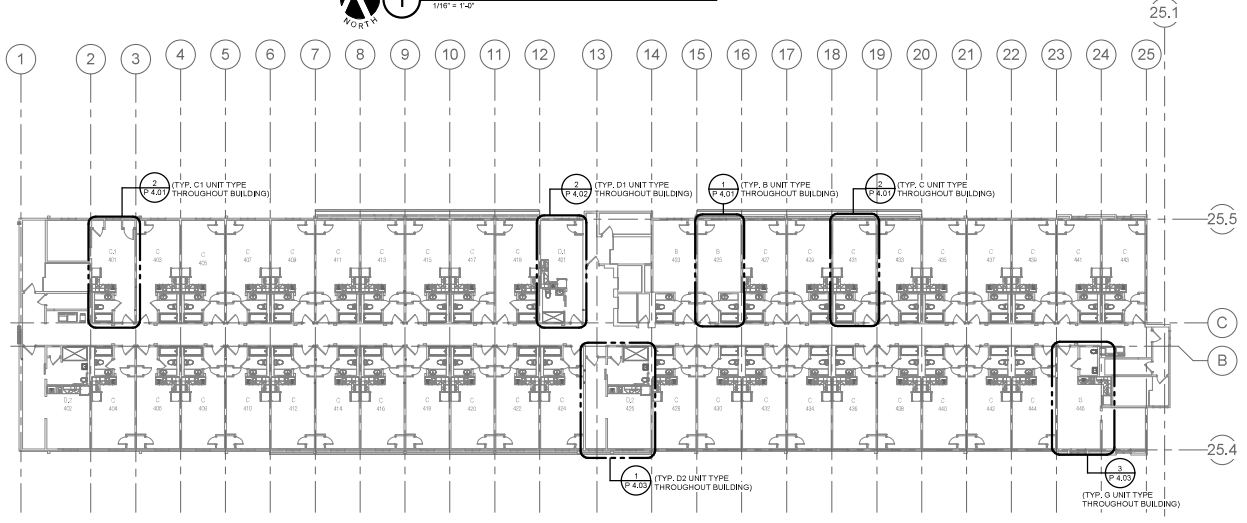
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DATE: 04/29/24
PROJECT # 24002282.00

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1 PLUMBING PLAN - LEVEL 03.
1/16" = 1'-0"



2 PLUMBING PLAN - LEVEL 04.
1/16" = 1'-0"

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Revisions	Date



Seal
 Designated By: IMEG
 Drawn By: IMEG
 Checked By: IMEG
 Date: 04/29/2024
 SCALE: As Indicated

Title: OVERALL PLUMBING PLAN - LEVEL 03 & 04.
 Index No.:

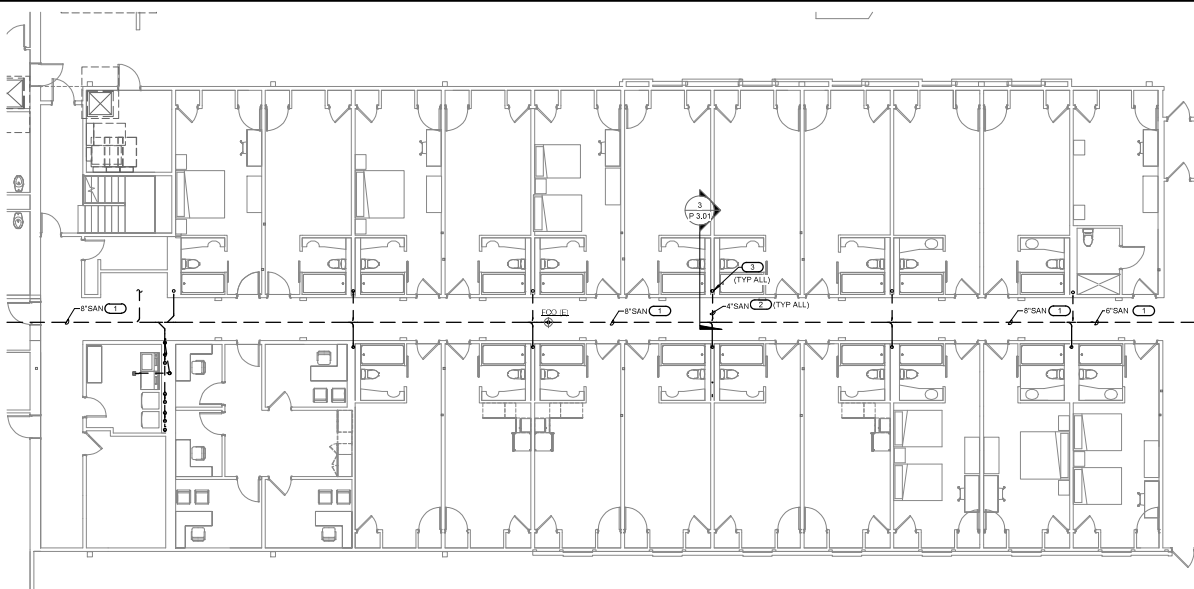


KIVA # _____
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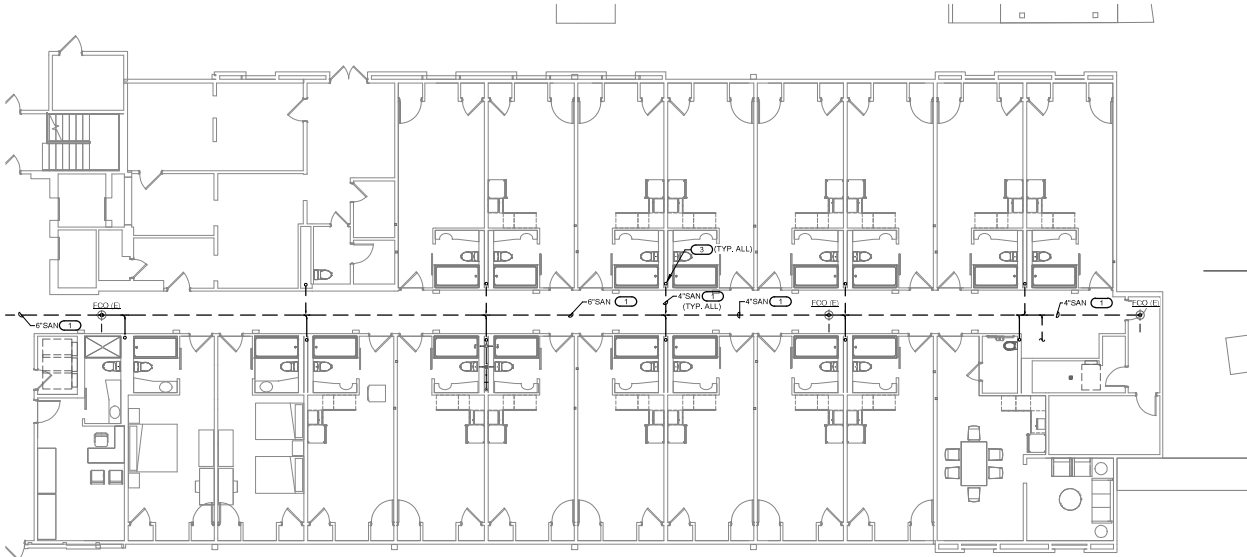
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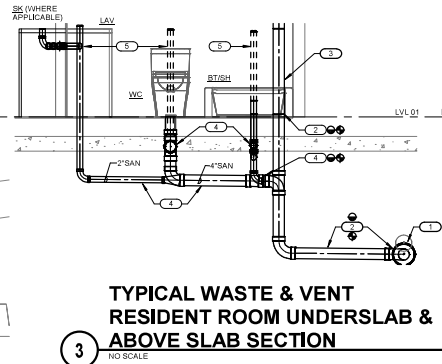
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1 WASTE PIPING PLAN - UNDERSLAB - AREA A
1/8\"/>



2 WASTE PIPING PLAN - UNDERSLAB - AREA B.
1/8\"/>



3 TYPICAL WASTE & VENT
RESIDENT ROOM UNDERSLAB &
ABOVE SLAB SECTION
NO SCALE

IMEG ENGINEERING INC.
 1010 E. BROADWAY PARKWAY
 1010 E. BROADWAY PARKWAY
 SUITE 1000, PHOENIX, AZ 85026
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 WWW.IMEG-ENR.COM
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P 3.01
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- REVISIONS:**
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- REVISIONS:**
 1. EXISTING BUILDING WASTE MAIN, WATER JET FLUSH PIPE CLEAN OF DEBRIS.
 2. EXISTING WASTE STACK LATERAL, WATER JET FLUSH PIPE CLEAN OF DEBRIS AND LINE PIPING INTERNAL. ADD ALTERNATE NO. 1, REMOVE LATERAL WASTE AND STACK RISE UP TO ABOVE SLAB AND REPLACE WITH NEW PIPING.
 3. EXISTING WASTE STACK TO REMAIN AND RECONDITION WITH NEW INTERNAL TO PIPE LIVING. ADD ALTERNATE 2. REMOVE WASTE STACK IN IT'S ENTIRETY AND REPLACE WITH NEW PIPING.
 4. REMOVE EXISTING UNDERSLAB WASTE PIPING SERVING RESIDENT ROOM PLUMBING FIXTURES AND REPLACE WITH NEW PIPING UP TO POINT OF CONNECTION TO EXISTING FUTURE.
 5. EXISTING WASTE AND VENT PIPING WITHIN WALLS TO BE REMOVED AND REPLACED WITH NEW PIPING, INCLUSIVE OF FIXTURE I-TRAPS AND WALL CLEANSOUTS.

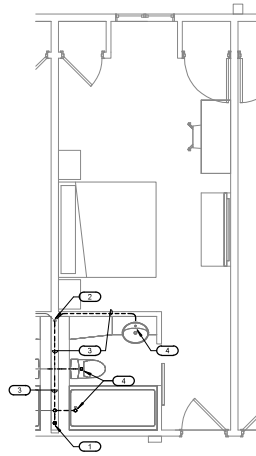
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Revisions
 Date

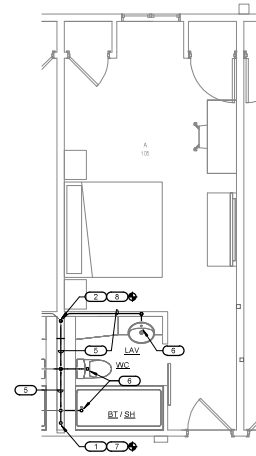
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 EXP. 03-31-2026
 Designed By: **MEG**
 Drawn By:
 Checked By:
 Date: 04/29/2024
 SCALE: As Indicated

Title: ENLARGED WASTE PIPING PLAN - UNDERSLAB - LEVEL 01
 Index No.

CITY OF PHOENIX
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 PROJECT: US VETS WASTE AND VENT UPGRADES

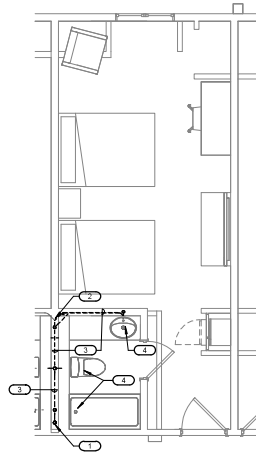


DEMOLITION PLAN - WASTE & VENT

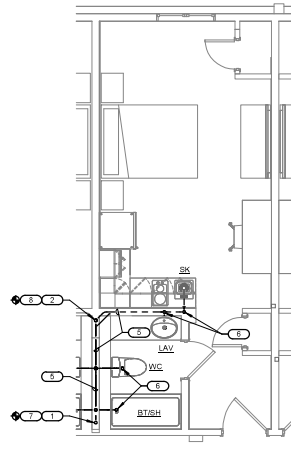


NEW WORK PLAN - WASTE & VENT

1 TYPICAL UNIT TYPE "A", "B", & "H"
1/4" = 1'-0" NOTE: UNIT TYPE SAME AS "A" & "B" EXCEPT NOT BACK TO BACK.



DEMOLITION PLAN - WASTE & VENT



NEW WORK PLAN - WASTE & VENT

2 TYPICAL UNIT "C" & "C1"
1/4" = 1'-0"

PLUMBING GENERAL NOTES:

1. THE SYMBOLS ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
2. CONTRACTOR SHALL VERIFY THAT ALL PLUMBING FIXTURES ARE OPERATIONAL AND NO LEAKS ARE EVIDENT PRIOR TO TURN-OVER OF PROJECT TO OWNER.
3. ALL PLUMBING FIXTURES CURRENTLY NOT INSTALLED SHALL BE INSTALLED AS A PART OF THE PROJECT SCOPE AND MADE OPERATIONAL.
4. IN THE EVENT PLUMBING FIXTURES DAMAGED AND IN NEED OF REPLACEMENT, NOTIFY OWNER OF COST AND SUBMIT DOCUMENTATION IN WRITING AND ANY SUPPORTING PHOTOGRAPHS. OWNER SHALL PROVIDE MANUFACTURER AND MODEL NUMBER OF REPLACEMENT FIXTURE TO MATCH EXISTING.
5. VERIFY PIPE SIZES, REPLACEMENT SIZE SHALL MATCH EXISTING.
6. EXISTING CONDITIONS ON PLANS ARE PROVIDED TO INDICATE THE GENERAL SCOPE OF ITEMS TO BE REMOVED AND NEW WORK TO BE INSTALLED. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. PLUMBING CONTRACTOR SHALL CUT AND PATCH EXISTING AS REQUIRED FOR NEW OR DEMOLITION WORK.
8. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
9. NOT ALL EXISTING PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
10. CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE OWNER IF OBSTRUCTIONS ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO AREA OF WORK.
11. CONTRACTOR SHALL CUT AND PATCH ROOFS, WALLS, AND FLOORS ASSOCIATED WITH THEIR WORK TO MATCH EXISTING CONDITIONS. COORDINATE WITH OWNER TO OBTAIN FINISHES STOCK/MANUFACTURER DATA IN ORDER TO MATCH EXISTING.
12. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK AND REPLACE DAMAGED TO MATCH EXISTING CONDITIONS.

REVNOTES: #

1. EXISTING WASTE STACK TO REMAIN AND RECONDITION WITH NEW INTERNAL TO PIPE LINING. **ADD** ALTERNATE NO. 2 REMOVE WASTE STACK IN ITS ENTIRETY AND REPLACE WITH NEW PIPING.
2. EXISTING VENT STACK TO REMAIN AND RECONDITION WITH NEW INTERNAL TO PIPE LINING. **ADD** ALTERNATE NO. 2 REMOVE VENT STACK IN ITS ENTIRETY AND REPLACE WITH NEW PIPING AND TERMINATE UP THROUGH ROOF. MODIFY ROOFING AS REQUIRED. PROVIDE NEW VENT FLASHING TERMINATION, AND WATER SEAL. ROOF PENETRATION.
3. EXISTING WASTE AND VENT PIPING WITHIN WALL, BELOW FLOOR AND ABOVE CEILING TO BE REMOVED.
4. EXISTING WASTE AND VENT PIPING SERVING PLUMBING FIXTURE ROUGH-IN TO BE REMOVED.
5. NEW WASTE AND VENT PIPING WITHIN WALL, BELOW FLOOR AND ABOVE CEILING.
6. NEW WASTE AND VENT PIPING ROUGH-IN TO EXISTING PLUMBING FIXTURE. PROVIDE NEW SHOWER FLOOR DRAIN. MATCH EXISTING STYLE AND FINISH.
7. CONNECT NEW WASTE PIPING TO EXISTING OR NEW WASTE STACK.
8. CONNECT NEW VENT PIPING TO EXISTING OR NEW VENT STACK.

Revisions	Date



Seal
Designed By: IMEG
Drawn By: IMEG
Checked By: IMEG
Date: 04/29/2024
SCALE: As indicated

Title: ENLARGED PLUMBING PLAN - TYPE A, B, C, & H.	
Index No: _____	



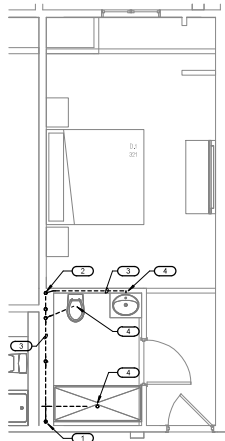
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SDEV #
Sheet
P 4.01
7 of 11
SHEET NUMBER

IMEG
600 E. HMA CENTER PARKWAY
 SUITE 100
 SCOTTSDALE, AZ 85258
 PHOENIX, AZ 0424

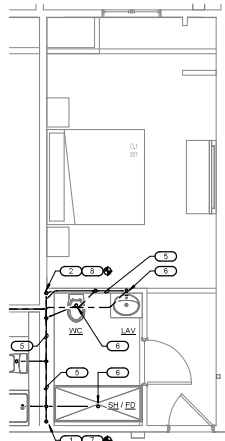
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REV. SCALE INCHES: _____ PROJECT # 24002228.00

Note: Per City of Phoenix City Code Chapter 2, section 3-26, these plans are for official use only and may not be shared with others except as required to fulfill the obligations of your contract with the City of Phoenix.

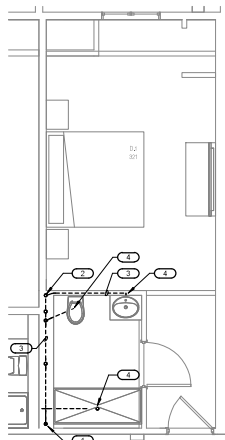


DEMOLITION PLAN - WASTE & VENT

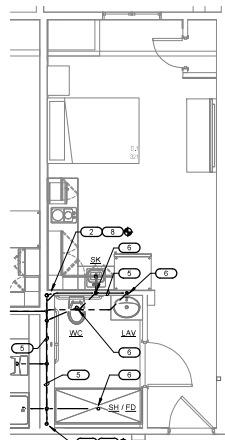


NEW WORK PLAN - WASTE & VENT

1 TYPICAL UNIT TYPE "D"
1/4" = 1'-0"



DEMOLITION PLAN - WASTE & VENT



NEW WORK PLAN - WASTE & VENT

2 TYPICAL UNIT TYPE "D.1"
1/4" = 1'-0"

PLUMBING GENERAL NOTES:

1. THE SYMBOLS ARE FOR THE CONVENIENCE OF THE CONTRACTOR, CONTRACTOR SHALL FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
2. CONTRACTOR SHALL VERIFY THAT ALL PLUMBING FIXTURES ARE OPERATIONAL AND NO LEAKS ARE EVIDENT PRIOR TO TURN-OVER OF PROJECT TO OWNER.
3. ALL PLUMBING FIXTURES CURRENTLY NOT INSTALLED SHALL BE INSTALLED AS A PART OF THE PROJECT SCOPE AND MADE OPERATIONAL.
4. IN THE EVENT PLUMBING FIXTURE IS DAMAGED AND IN NEED OF REPLACEMENT, NOTIFY OWNER OF COST AND SUBMIT DOCUMENTATION IN WRITING AND ANY SUPPORTING PHOTOGRAPHS, OWNER SHALL PROVIDE MANUFACTURER AND MODEL NUMBER OF REPLACEMENT FIXTURE TO MATCH EXISTING.
5. VERIFY PIPE SIZES, REPLACEMENT SIZE SHALL MATCH EXISTING.
6. EXISTING CONDITIONS ON PLANS ARE PROVIDED TO INDICATE THE GENERAL SCOPE OF ITEMS TO BE REMOVED AND NEW WORK TO BE INSTALLED, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. PLUMBING CONTRACTOR SHALL CUT AND PATCH EXISTING AS REQUIRED FOR NEW OR DEMOLITION WORK.
8. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF, VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
9. NOT ALL EXISTING PIPING IS SHOWN, VERIFY EXISTING CONDITIONS BEFORE STARTING WORK, NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
10. CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE OWNER IF OBSTRUCTIONS ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO AREA OF WORK.
11. CONTRACTOR SHALL CUT AND PATCH ROOFS, WALLS, AND FLOORS ASSOCIATED WITH THEIR WORK TO MATCH EXISTING CONDITIONS, COORDINATE WITH OWNER TO OBTAIN FINISHES STOCK/MANUFACTURER DATA IN ORDER TO MATCH EXISTING.
12. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING, CEILING TILES, AND CEILING GRID ASSOCIATED WITH AREAS OF WORK AND REPLACE DAMAGED TO MATCH EXISTING CONDITIONS.

KEYNOTES:

1. EXISTING WASTE STACK TO REMAIN AND RECONDITION WITH NEW INTERNAL TO PIPE LINING. **ADD ALTERNATE NO. 2.** REMOVE WASTE STACK IN ITS ENTIRETY AND REPLACE WITH NEW PIPING.
2. EXISTING VENT STACK TO REMAIN AND RECONDITIONED WITH NEW INTERNAL TO PIPE LINING. **ADD ALTERNATE NO. 3.** REMOVE VENT STACK IN ITS ENTIRETY AND REPLACE WITH NEW PIPING AND TERMINATE UP THROUGH ROOF. JOBBY ROOFING AS REQUIRED. PROVIDE NEW VENT FLASHING TERMINATION AND WATER SEAL, ROOF PENETRATION.
3. EXISTING WASTE AND VENT PIPING WITHIN WALL, BELOW FLOOR AND ABOVE CEILING TO BE REMOVED.
4. EXISTING WASTE AND VENT PIPING SERVING PLUMBING FIXTURE ROUGH-IN TO BE REMOVED.
5. NEW WASTE AND VENT PIPING WITHIN WALL, BELOW FLOOR AND ABOVE CEILING.
6. NEW WASTE AND VENT PIPING ROUGH-IN TO EXISTING PLUMBING FIXTURE, PROVIDE NEW SHOWER GRAB. MATCH EXISTING STYLE AND FINISH.
7. CONNECT NEW WASTE PIPING TO EXISTING OR NEW WASTE STACK.
8. CONNECT NEW VENT PIPING TO EXISTING OR NEW VENT STACK.

Revisions	Date



Seal

Exp. 05-31-2026

Designed By: MEG

Drawn By: MEG

Checked By: MEG

Date: 04/29/2024

SCALE: As indicated

Title: ENLARGED PLUMBING PLAN - TYPE D & D.1

Index No: _____

CITY OF PHOENIX

OFFICE OF THE CITY ENGINEER

PROJECT: US VETS WASTE AND VENT UPGRADES

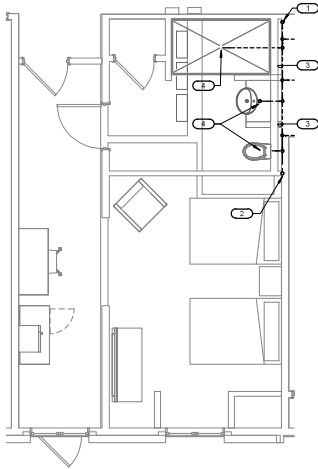
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SDEV # _____

Sheet
P 4.02
8 of 11
SHEET NUMBER

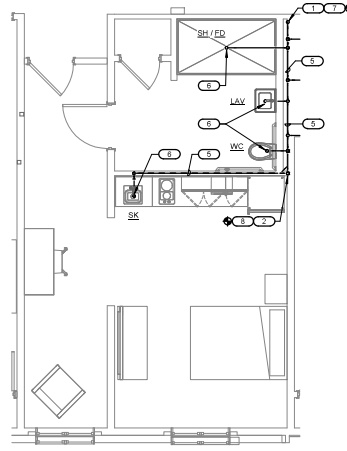


Note: Per City of Phoenix City Code Chapter 2 section 3-28, these plans are for official use only and may not be shared with others except as required to fulfill the obligations of your contract with the City of Phoenix.

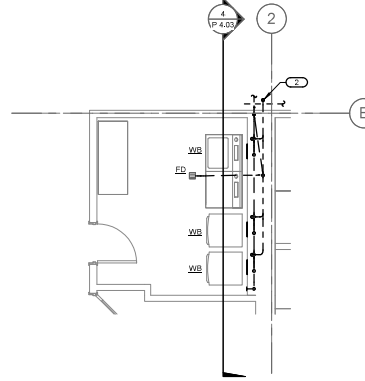


DEMOLITION PLAN - WASTE & VENT

1 TYPICAL UNIT TYPE "D.2"
1/4" = 1'-0"



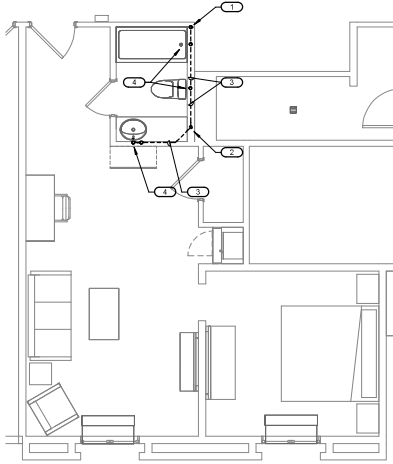
NEW WORK PLAN - WASTE & VENT



2 WASTE & VENT PLAN - LEVEL 01 - TYPE J1.
1/4" = 1'-0"

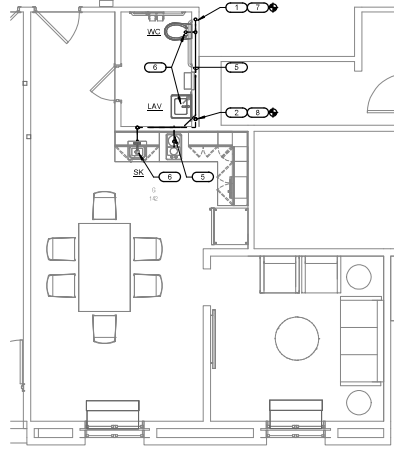
- PLUMBING GENERAL NOTES:**
1. THE SYMBOLS ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
 2. CONTRACTOR SHALL VERIFY THAT ALL PLUMBING FIXTURES ARE OPERATIONAL AND NO LEAKS ARE EVIDENT PRIOR TO TURNOVER OF PROJECT TO OWNER.
 3. ALL PLUMBING FIXTURES CURRENTLY NOT INSTALLED SHALL BE INSTALLED AS A PART OF THIS PROJECT SCOPE AND MADE OPERATIONAL.
 4. IN THE EVENT PLUMBING FIXTURE IS DAMAGED AND IN NEED OF REPLACEMENT, NOTIFY OWNER OF COST AND SUBMIT DOCUMENTATION IN WRITING AND ANY SUPPORTING PHOTOGRAPHS. OWNER SHALL PROVIDE MANUFACTURER AND MODEL NUMBER OF REPLACEMENT FIXTURE TO MATCH EXISTING.
 5. VERIFY FIVE (5) REPLACEMENT SIZES SHALL MATCH EXISTING.
 6. EXISTING CONDITIONS ON PLANS ARE PROVIDED TO INDICATE THE GENERAL SCOPE OF ITEMS TO BE REMOVED AND NEW WORK TO BE INSTALLED. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 7. PLUMBING CONTRACTOR SHALL CUT AND PATCH EXISTING AS REQUIRED FOR NEW OR DEMOLITION WORK.
 8. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS. EXISTING BUILDING DOCUMENTS AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
 9. NOT ALL EXISTING PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
 10. CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE OWNER IF OBSTRUCTIONS ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO AREA OF WORK.
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 12. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK AND REPLACE DAMAGED TO MATCH EXISTING CONDITIONS.

- REVISIONS:**
1. EXISTING WASTE STACK TO REMAIN AND RECONDITION WITH NEW INTERNAL TO PIPE USING ADD ALTERNATE (L22). REMOVE WASTE STACK IN ITS ENTIRETY AND REPLACE WITH NEW PIPING.
 2. EXISTING VENT STACK TO REMAIN AND RECONDITION WITH NEW INTERNAL TO PIPE LINO. ADD ALTERNATE NO. 3. REMOVE VENT STACK IN ITS ENTIRETY AND REPLACE WITH NEW PIPING AND TERMINATE UP THROUGH ROOF. MODIFY ROOFING AS REQUIRED. PROVIDE NEW VENT FLASHING TERMINATION, AND WATER SEAL ROOF PENETRATION.
 3. EXISTING WASTE AND VENT PIPING WITHIN WALL, BELOW FLOOR AND ABOVE CEILING TO BE REMOVED.
 4. EXISTING WASTE AND VENT PIPING SERVING PLUMBING FIXTURE ROUGH-IN TO BE REMOVED.
 5. NEW WASTE AND VENT PIPING WITHIN WALL, BELOW FLOOR AND ABOVE CEILING.
 6. NEW WASTE AND VENT PIPING ROUGH-IN TO EXISTING PLUMBING FIXTURE. PROVIDE NEW SHOWER FLOOR OR NEW STYLE AND FINISH.
 7. CONNECT NEW WASTE PIPING TO EXISTING OR NEW WASTE STACK.
 8. CONNECT NEW VENT PIPING TO EXISTING NEW VENT STACK.
 9. EXISTING WASTE MAIN ABOVE SLAB, INCLUSIVE PLUMBING FIXTURE BRANCH PIPING TO BE REMOVED AND REPLACED WITH NEW.
 10. EXISTING WALL CLEANOUT AND ASSOCIATED PIPING TO BE REMOVED AND REPLACED WITH NEW.
 11. REMOVE EXISTING UNDERSLAB WASTE PIPING SERVING LAUNDRY ROOM AND REPLACE WITH NEW UP TO POINT OF CONNECTION TO EXISTING BUILDING WASTE MAIN.
 12. EXISTING PVC PLUMBING FIXTURE WASTE AND VENT ROUGHINS TO REMAIN. MODIFY PIPING AS REQUIRED TO CONNECT TO NEW PIPING.
 13. REMOVE EXISTING VENT WITHIN WALL AND REPLACE WITH NEW UP TO POINT OF CONNECTION TO EXISTING PVC.
 14. EXISTING FLOOR DRAIN WASTE PIPING INCLUSIVE OF P-TRAP AND TRAP ARM TO BE REMOVED AND REPLACED WITH NEW. PROVIDE NEW FLOOR DRAIN AS REQUIRED.
 15. VENT PIPING UP TO LEVEL(S) ABOVE TO BE REMOVED AND REPLACED WITH NEW.

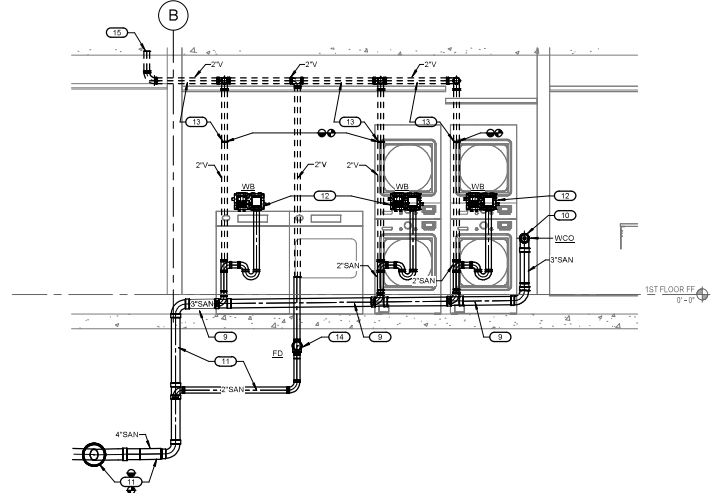


DEMOLITION PLAN - WASTE & VENT

3 TYPICAL UNIT TYPE "G"
1/4" = 1'-0"



NEW WORK PLAN - WASTE & VENT



4 WASTE AND VENT LAUNDRY ROOM - LVL 1 UNDERSLAB & ABOVE SLAB SECTION
NO SCALE

IMEG
11640 N. CENTRAL PARKWAY
SUITE 105
SCOTTSDALE, AZ 85258
PH: 480-440-1014

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PROJECT # 24002228.00

DATE: 05/17/2024

SCALE: 1" = 1'-0"

Per City of Phoenix City Code Chapter 2 section 2-08, these plans are for official use only and may not be shared with others except as required to fulfill the obligations of your contract with the City of Phoenix.

Revisions	Date

EXP. 03-31-2026

Seal

Designed By: MEG

Drawn By: MEG

Checked By: MEG

Date: 04/29/2024

SCALE: As indicated

Index No:

This ENLARGED PLUMBING PLAN - TYPE D.2, G, & LAUNDRY ROOM

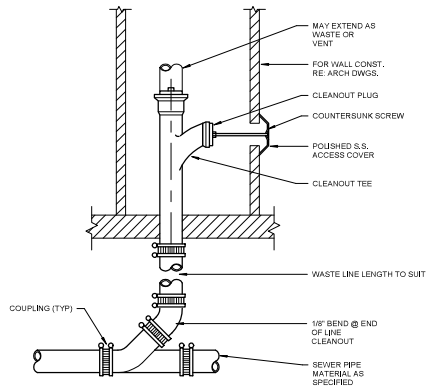
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SDEV # _____

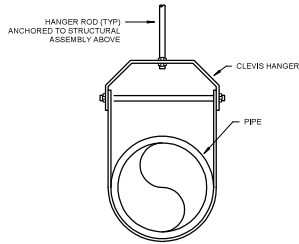
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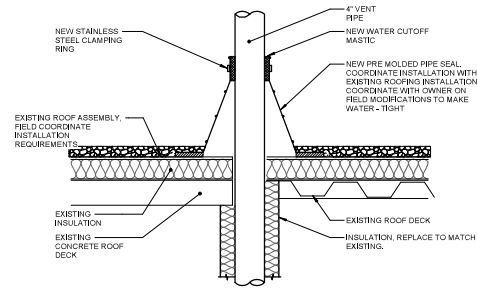
SHEET NUMBER



1 WALL CLEANOUT
NO SCALE

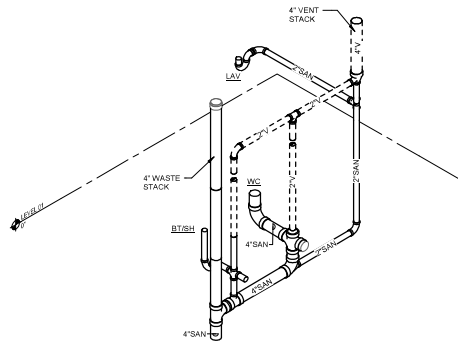


2 PIPE HANGER FOR WASTE PIPING
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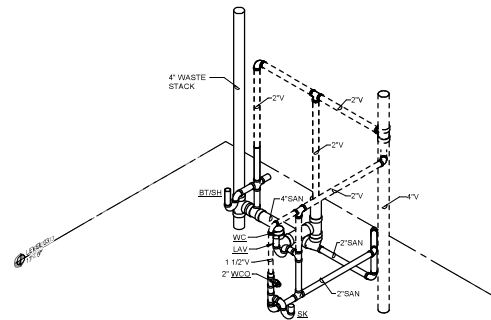


3 VENT PIPE FLASHING
NO SCALE

NOTES:
1. COORDINATE REPLACEMENT OF VENT PIPE WITH NEW UNDER ADD, ALT, NO.3



4 TYPICAL UNIT TYPE "A", "B" & "H" WASTE & VENT ISOMETRIC DIAGRAM
NO SCALE



5 TYPICAL UNIT TYPE C & C.1 - WASTE & VENT ISOMETRIC DIAGRAM
NO SCALE

Revisions	Date



Designed By:	IMEG
Drawn By:	IMEG
Checked By:	IMEG
Date:	04/29/2024
SCALE:	12" = 1'-0"

Tbl: PLUMBING DETAILS.
Index No:

CITY OF PHOENIX
OFFICE OF THE CITY ENGINEER
PROJECT: US VETS WASTE AND VENT UPGRADES

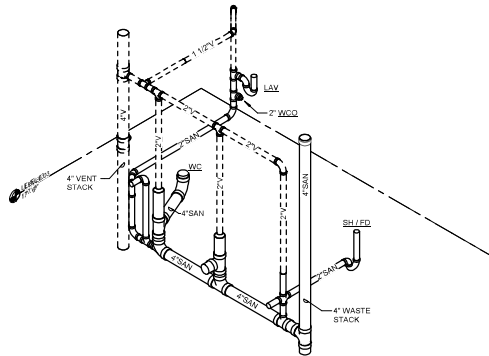
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SDEV # _____
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P 5.01
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SHEET NUMBER

IMEG
400 E BMA CENTER PARKWAY
SUITE 100
PHOENIX, AZ 85026
PH: 602.944.1414

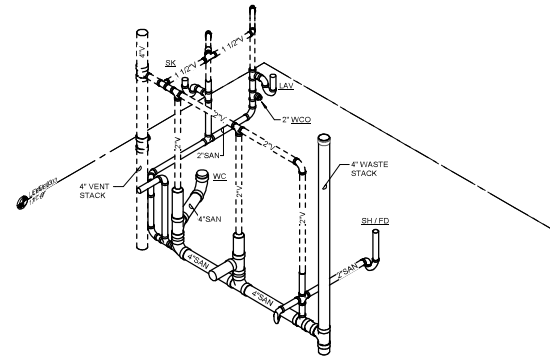
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FROM PREVIOUS EDITIONS.

1" = 12"
PROJECT # 24002228.00

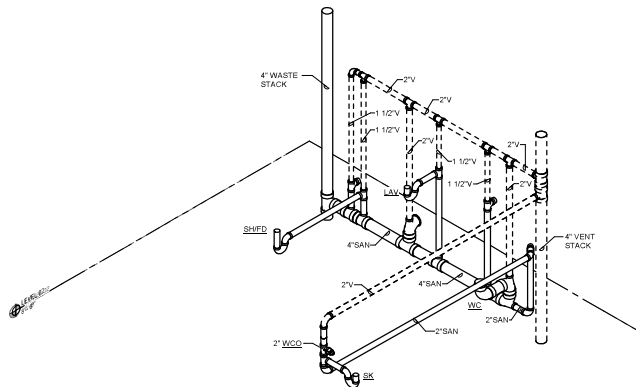
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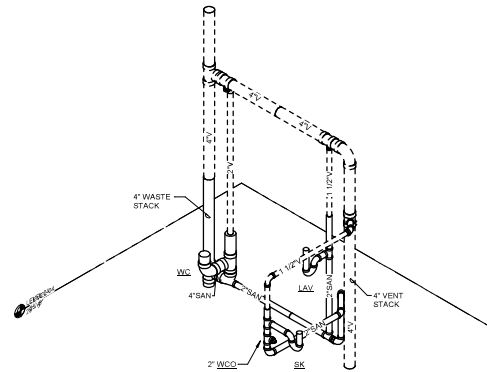
1 TYPICAL UNIT TYPE "D" - WASTE & VENT ISOMETRIC DIAGRAM
NO SCALE



2 TYPICAL UNIT TYPE "D1" - WASTE & VENT ISOMETRIC DIAGRAM
NO SCALE



3 TYPICAL UNIT TYPE "D.2" - WASTE & VENT ISOMETRIC DIAGRAM
NO SCALE



4 TYPICAL UNIT "G" - WASTE & VENT ISOMETRIC DIAGRAM
NO SCALE

Revisions	Date



Seal

Designed By:	IMEG
Drawn By:	IMEG
Checked By:	IMEG
Date:	04/29/2024
SCALE:	

Title: PLUMBING ISOMETRIC DIAGRAMS.
Index No.:



KVA #	
SDEV #	
Sheet	P 5.02
SHEET NUMBER	11 of 11

The logo for IMEG (Industrial Mechanical Engineering Group), featuring the letters 'IMEG' in a stylized font.

1001 E. MA CENTER PARKWAY
SUITE 100
PHOENIX, AZ 85026
PH: 602.954.8414

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A graphic scale bar showing 0, 1, 2, and 3 feet.

NO. SCALE IN INCHES PROJECT # 2402228.00

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CITY OF PHOENIX OFFICE OF THE CITY ENGINEER PROJECT: US VETS WASTE AND VENT UPGRADES