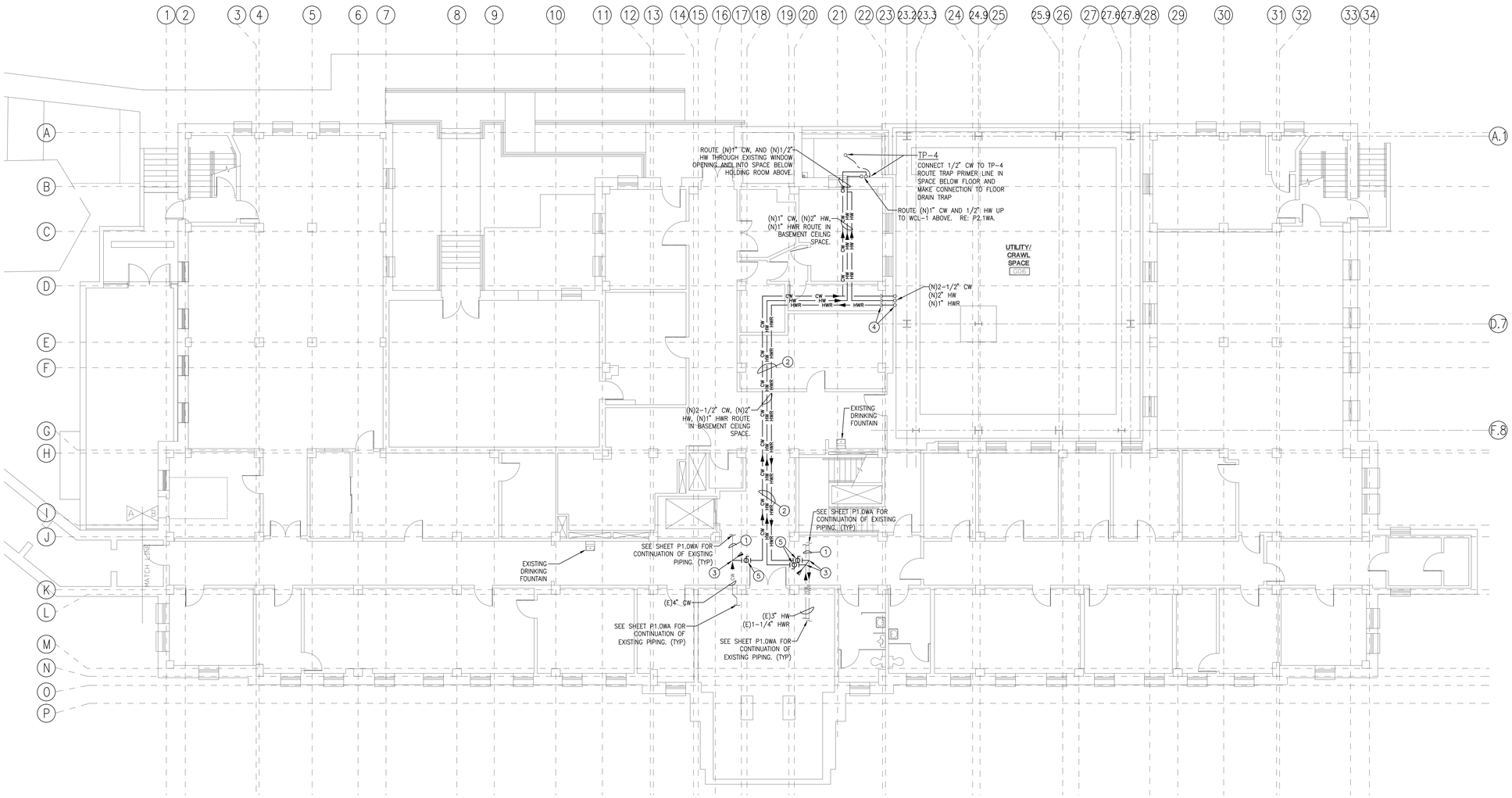
METRIC CONVERSION			
inch x 25.4 = mm			
INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
3/4	19.1	2-1/2	63.5
1	25.4	3	76.2
1-1/4"	31.8	4	101.6
1-1/2"	38.1	6	152.4



TRUE PLAN

BASEMENT FLOOR PLAN – 1 WATER

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. ALL DEMOLITION OF PLUMBING SYSTEMS SHALL BE CLOSELY COORDINATED WITH THE CONTRACTORS PHASING OF THE PROJECT. VERIFY DEMOLITION OF PLUMBING PIPING WITH ALL TRADES PRIOR TO START OF DEMOLITION.

B. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

C. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING UBC, UPC, NFPA. PROVIDE PIPING EQUIPMENT AND MATERIALS IN ACCORDANCE WITH APPLICABLE PLUMBING CODE REGULATIONS AND STANDARDS, AUTHORITIES HAVING JURISDICTION, OR AS OTHERWISE RECOMMENDED OR DIRECTED BY MANUFACTURERS.

D. PROVIDE SEAL BETWEEN WALLS AND PLUMBING FIXTURES PER HEALTH DISTRICT REQUIREMENTS

E. COLD AND HOT WATER SUPPLY PIPING SIZES FOR FIXTURE CONNECTIONS ARE NOT SHOWN ON PLANS. SEE FIXTURE SCHEDULE FOR CONNECTION SIZES.

F. INSTALL ALL OVERHEAD PIPING AS CLOSE TO STRUCTURE AS POSSIBLE, OR AS DETAILED OTHERWISE.

G. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

H. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO STARTING. IN THE EVENT THAT CONFLICTS ARE FOUND WITH THE WORK OF THE OTHER TRADES, BRING ALL SUCH CONFLICTS TO THE ARCHITECT'S ATTENTION FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA. DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITIONS IN CONFLICT WITH THE PLANS.

I. COORDINATE INSTALLATION OF PIPING WITH STRUCTURAL COMPONENTS AND OTHER SYSTEM INSTALLATIONS.

J. COORDINATE ALL FIXTURES, EQUIPMENT AND ROUGH-IN CONNECTION LOCATIONS AND SIZES WITH ARCHITECTURAL DRAWINGS, OWNER AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.

K. PROVIDE SEISMIC RESTRAINTS FOR ALL PIPE AND EQUIPMENT AS RECOMMENDED IN SMACNA "SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL EQUIPMENT", LATEST EDITION.

L. ALL PIPING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. ALL WALLS IN WHICH WATER OR WASTE LINES ARE INSTALLED MUST BE PATCHED TO MATCH EXISTING AFTER LINES ARE INSTALLED.

M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

SHEET NOTES:

1. EXISTING WATER PIPING IN CEILING SPACE TO REMAIN. VERIFY EXACT LOCATION AND ROUTING OF EXISTING PIPING IN FIELD PRIOR TO START OF WORK.
2. ROUTE NEW PIPING IN CEILING SPACE.
3. CONNECT NEW WATER PIPING TO EXISTING WATER PIPING IN CEILING SPACE. VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
4. ROUTE NEW WATER PIPING UP IN PIPE CHASE FROM BELOW TO ABOVE CEILING. RE: P2.1WA.
5. NEW SHUT-OFF VALVES.

LEGEND:

CW (N)COLD WATER	PIPE ELBOW UP
HW (N)HOT WATER	PIPE ELBOW DOWN
HWR (N)HOT WATER RETURN	PIPE TEE BRANCH UP WITH ELBOW)
CW (E)COLD WATER	PIPE TEE DOWN
HW (E)HOT WATER	CAP
HWR (E)HOT WATER RETURN	BALL VALVE
(E) (N) CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK	GATE VALVE

REVISIONS | DATE

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CAD FILE NAME: 531-320_P2.0WA.DWG

XREF FILE NAME: 531-320_30X42TLBK.DWG 531-320_67A0.DWG 531-320_67GRID.DWG

DRAWING TITLE: BASEMENT FLOOR PLAN WATER

PROJECT TITLE: BOISE VAMC BUILDING 67 EXPANSION

DATE: 07/12/2013

PROJECT NO. 531-320

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

BUILDING NUMBER 67 | CHECKED SCH | DRAWN KMH

DRAWING NO. P2.0WA

APPROVED: MEDICAL CENTER DIRECTOR

LOCATION VAMC BOISE, IDAHO

DWG 109 OF 191

DEPARTMENT OF VETERANS AFFAIRS

METRIC CONVERSION			
inch x 25.4 = mm			
INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
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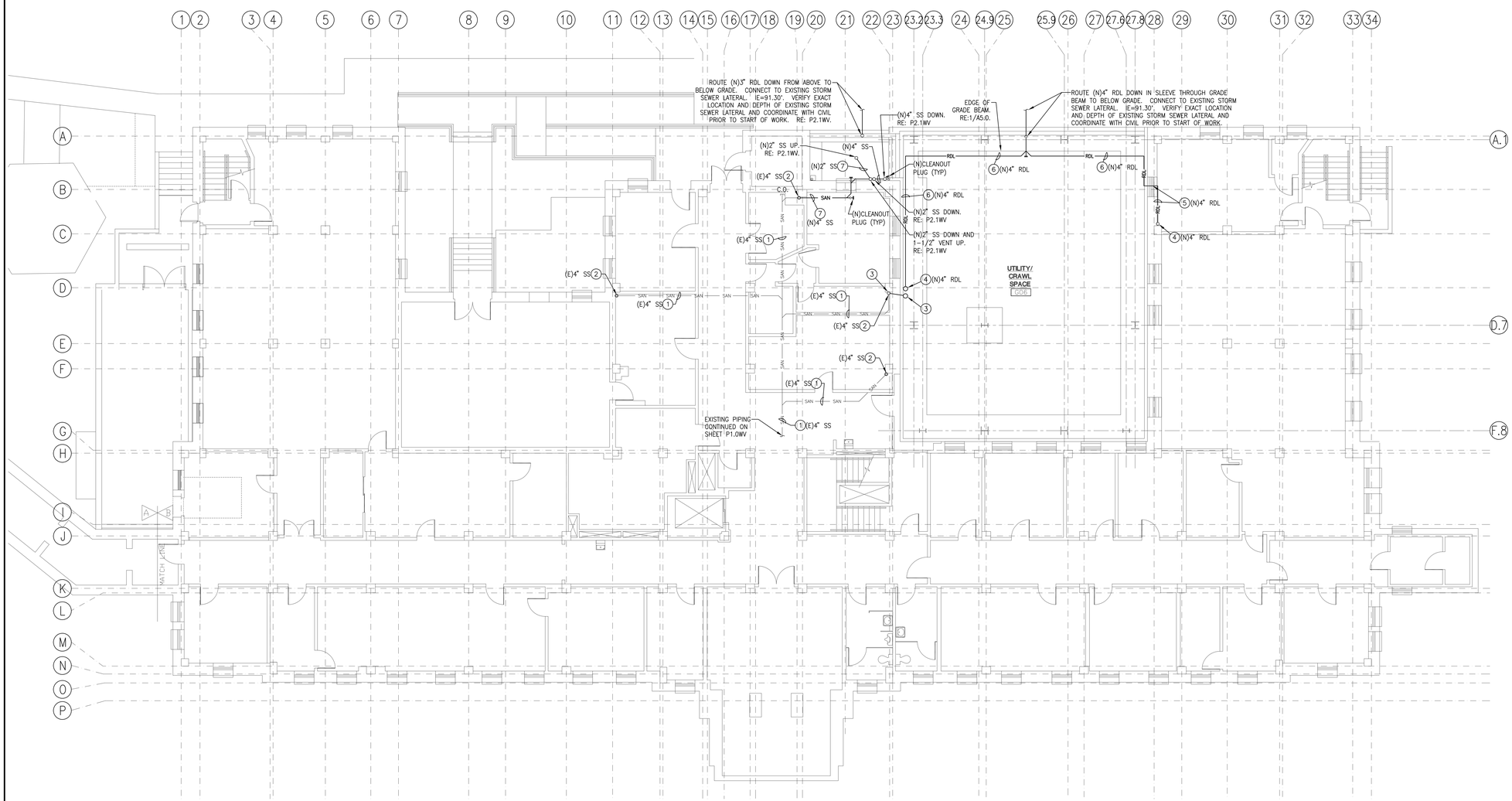

BASEMENT FLOOR PLAN – 1 WASTE AND VENT

TRUE PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. ALL DEMOLITION OF PLUMBING SYSTEMS SHALL BE CLOSELY COORDINATED WITH THE CONTRACTORS PHASING OF THE PROJECT. VERIFY DEMOLITION OF PLUMBING PIPING WITH ALL TRADES PRIOR TO START OF DEMOLITION.

B. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

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K. PROVIDE SEISMIC RESTRAINTS FOR ALL PIPE AND EQUIPMENT AS RECOMMENDED IN SMACNA "SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL EQUIPMENT", LATEST EDITION.

L. ALL PIPING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. ALL WALLS IN WHICH WATER OR WASTE LINES ARE INSTALLED MUST BE PATCHED TO MATCH EXISTING AFTER LINES ARE INSTALLED.

M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

SHEET NOTES:

1. EXISTING SANITARY SEWER PIPING BELOW FLOOR TO REMAIN.
2. EXISTING SANITARY RISER UP FROM BELOW FLOOR TO ABOVE. VERIFY EXACT SIZE AND LOCATION OF RISER IN FIELD PRIOR TO START OF WORK.
3. NEW 4" SANITARY SEWER DOWN FROM ABOVE. ROUTE THROUGH WALL AND MAKE CONNECTION TO EXISTING 4" RISER. VERIFY EXACT LOCATION OF RISER AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
4. ROUTE NEW 4" RDL DOWN IN PIPE CHASE FROM ABOVE. RE: P2.1WV.
5. ROUTE NEW ROOFDRAIN LEADER AS HIGH AS POSSIBLE IN CEILING SPACE AT 1/4"/FT. SLOPE. ROUTE THROUGH EXISTING WINDOW OPENING TO BE INFILLED, INTO UTILITY CRAWLSPACE OF NEW INFILL BUILDING.
6. ROUTE NEW ROOF DRAIN LEADER ON WALL AT 1/4"/FT SLOPE.
7. ROUTE NEW SANITARY SEWER FROM FIXTURES ABOVE DOWN AND ROUTE BELOW CEILING AS HIGH AS POSSIBLE.

LEGEND:

- SAN — (E)SANITARY SEWER
- V — (E)VENT
- SAN — (N)SANITARY SEWER
- V — (N)VENT
- SAN — CLEAN OUT OR WALL CLEAN OUT
- SAN — FLOOR DRAIN, ROUND
- SAN — FLOOR SINK
- (E) (N) — CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK
- PIPE ELBOW UP
- PIPE ELBOW DOWN
- PIPE TEE BRANCH UP (WITH ELBOW)
- PIPE TEE DOWN
- CAP

REVISIONS	DATE

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CAD FILE NAME: 531–320_P2.0WV.DWG

XREF FILE NAME: 531–320_30X42TLBK.DWG 531–320_67A0.DWG 531–320_67GRID.DWG

DRAWING TITLE: BASEMENT FLOOR PLAN WASTE AND VENT

PROJECT TITLE: BOISE VAMC BUILDING 67 EXPANSION

DATE: 07/12/2013

PROJECT NO.: 531–320

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

BUILDING NUMBER: 67 | CHECKED: SCH | DRAWN: KMH

DRAWING NO.: P2.0WV

APPROVED: MEDICAL CENTER DIRECTOR

LOCATION: VAMC BOISE, IDAHO

DWG 110 OF 191

DEPARTMENT OF VETERANS AFFAIRS

METRIC CONVERSION			
inch x 25.4 = mm			
INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
3/4	19.1	2-1/2	63.5
1	25.4	3	76.2
1-1/4"	31.8	4	101.6
1-1/2"	38.1	6	152.4

GENERAL NOTES:

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B. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

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G. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

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K. PROVIDE SEISMIC RESTRAINTS FOR ALL PIPE AND EQUIPMENT AS RECOMMENDED IN SMACNA "SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL EQUIPMENT", LATEST EDITION.

L. ALL PIPING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. ALL WALLS IN WHICH WATER OR WASTE LINES ARE INSTALLED MUST BE PATCHED TO MATCH EXISTING AFTER LINES ARE INSTALLED.

M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

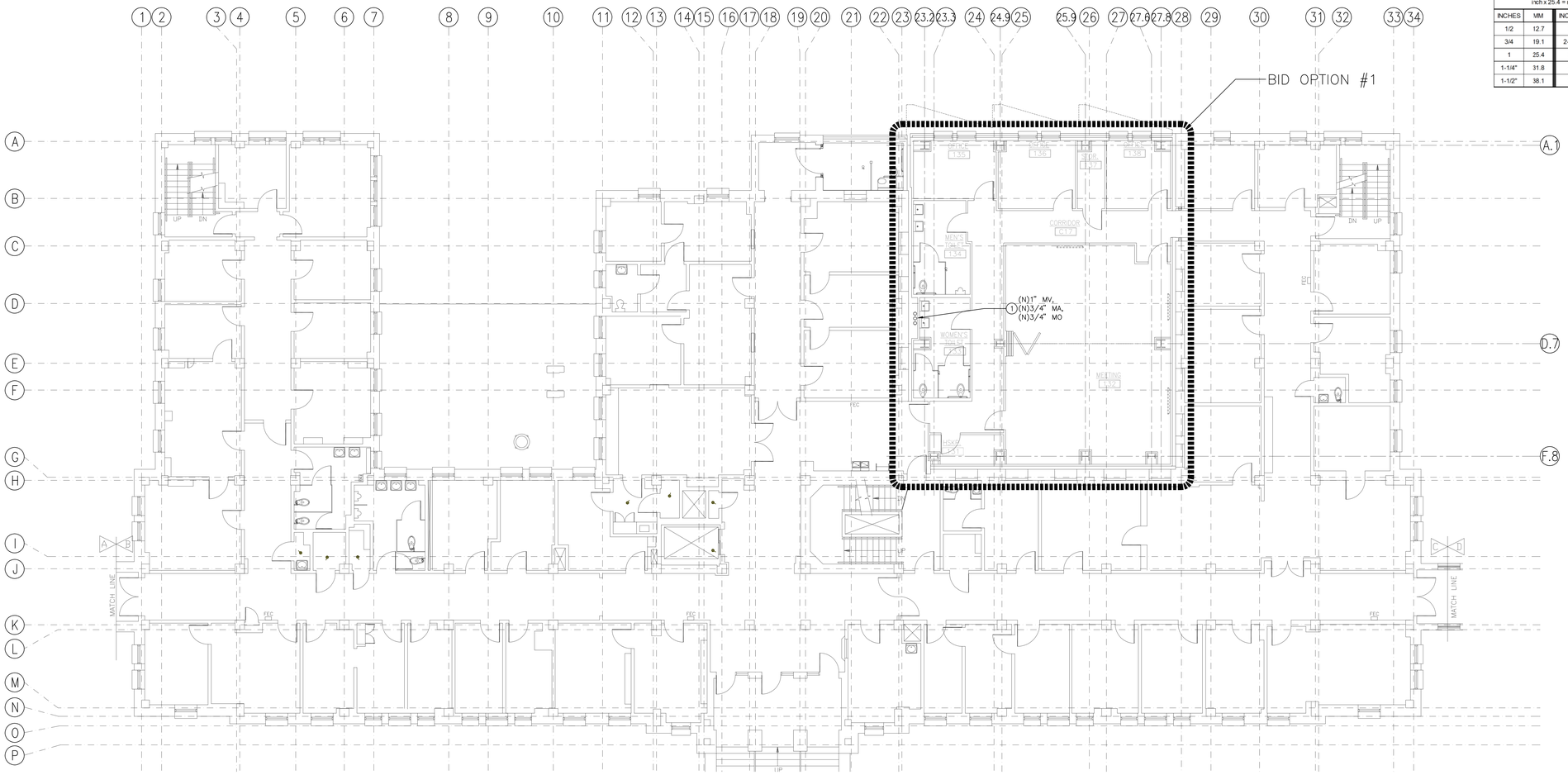
N. ALL NEW GAS VALVES SHALL BE LOCKED AND LABELED.

SHEET NOTES:

1. ROUTE NEW MEDICAL GAS PIPING IN CHASE UP FROM BELOW TO FLOOR ABOVE. RE: P2.0MG AND P2.2MG.

LEGEND:

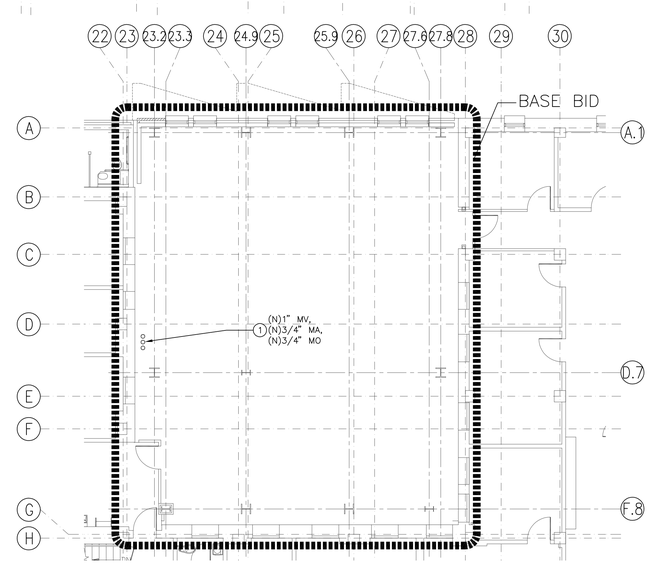
- MA — (N)MEDICAL AIR
- MO — (N)MEDICAL OXYGEN
- MV — (N)MEDICAL VACUUM
- PIPE ELBOW UP
- PIPE ELBOW DOWN
- PIPE TEE BRANCH UP (W/ ELBOW)
- PIPE TEE DOWN
- CAP
- BALL VALVE
- GATE VALVE
- CAP



TRUE PLAN

1 FIRST FLOOR PLAN – MEDICAL GAS

SCALE: 1/8" = 1'-0"



TRUE PLAN

1 FIRST FLOOR PLAN – MEDICAL GAS–BASE BID

SCALE: 1/8" = 1'-0"

REVISIONS	DATE

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CAD FILE NAME:
531-320_P2.1MG.DWG

XREF FILE NAME:
531-320_30X42TLBK.DWG
531-320_67A1.DWG
531-320_67GRID.DWG

DRAWING TITLE
FIRST FLOOR PLAN
PLUMBING
MEDICAL GAS

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

APPROVED: MEDICAL CENTER DIRECTOR

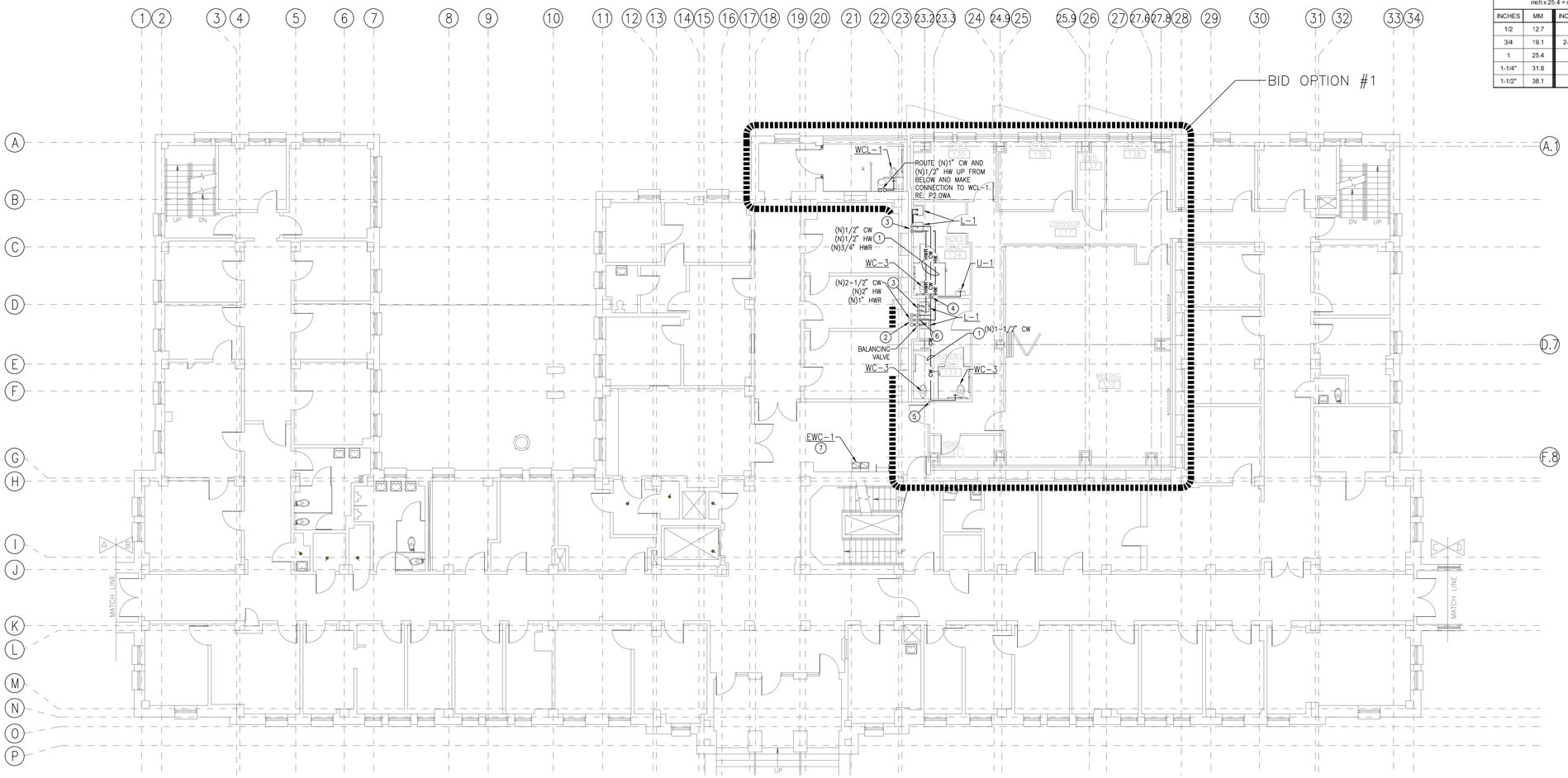
PROJECT TITLE
BOISE VAMC
BUILDING 67 EXPANSION

BUILDING NUMBER: 67
CHECKED: SCH
DRAWN: KMH

LOCATION: VAMC BOISE, IDAHO

DATE: 07/12/2013
PROJECT NO. 531-320
DRAWING NO. P2.1MG
DWG 111 OF 191

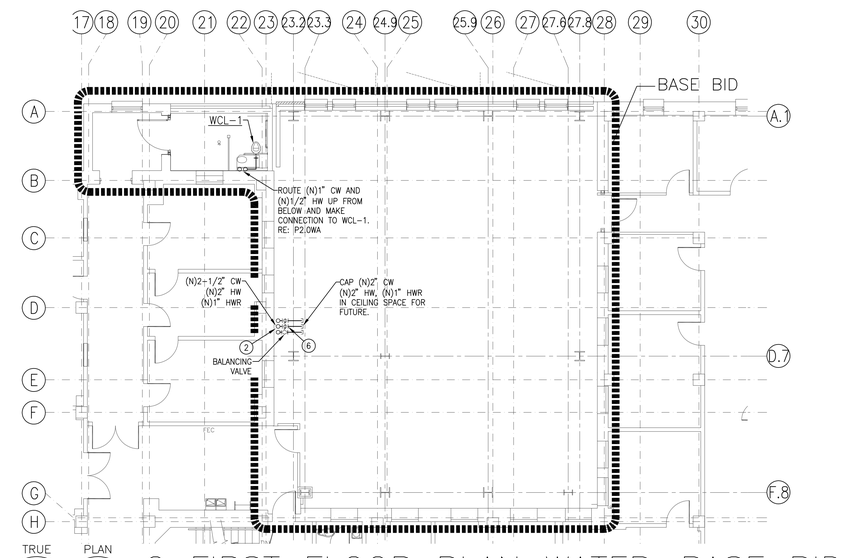
DEPARTMENT OF VETERANS AFFAIRS



TRUE PLAN

1 FIRST FLOOR PLAN WATER

SCALE: 1/8" = 1'-0"



TRUE PLAN

2 FIRST FLOOR PLAN WATER–BASE BID

SCALE: 1/8" = 1'-0"

METRIC CONVERSION

inch x 25.4 = mm

INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
3/4	19.1	2-1/2	63.5
1	25.4	3	76.2
1-1/4"	31.8	4	101.6
1-1/2"	38.1	6	152.4

GENERAL NOTES:

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F. INSTALL ALL OVERHEAD PIPING AS CLOSE TO STRUCTURE AS POSSIBLE, OR AS DETAILED OTHERWISE.

G. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

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M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

SHEET NOTES:

1. ROUTE NEW PIPING IN CEILING SPACE.
2. ROUTE NEW WATER PIPING UP IN PIPE CHASE FROM BELOW TO ABOVE CEILING. RE: P2.3WA.
3. NEW 1/2" HW–CW DOWN AND RUN IN WALL. CONNECT 1/2" HW–CW TO EACH L–1.
4. NEW 1 1/4" CW DOWN AND RUN IN WALL. CONNECT 1" CW TO WC–3 AND 3/4" CW TO U–1.
5. NEW 1 1/2" CW DOWN AND RUN IN WALL. CONNECT 1" CW TO EACH WC–3.
6. INSTALL NEW ISOLATION (BALL) VALVES IN NEW SUPPLY PIPING IN CEILING SPACE. PROVIDE ACCESS PANEL WITH VALVE NUMBER LABEL.
7. REMOVE EXISTING DRINKING FOUNTAIN AND REPLACE WITH NEW EWC–1. CONNECT EXISTING CW PIPING. VERIFY EXACT SIZE, LOCATION AND CONNECTION REQUIREMENTS TO EXISTING PIPING IN FIELD PRIOR TO START OF WORK.

LEGEND:

CW (N)COLD WATER	PIPE ELBOW UP
HW (N)HOT WATER	PIPE ELBOW DOWN
HWR (N)HOT WATER RETURN	PIPE TEE BRANCH UP WITH ELBOW)
CW (E)COLD WATER	PIPE TEE DOWN
HW (E)HOT WATER	CAP
HWR (E)HOT WATER RETURN	BALL VALVE
(E) (N) CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK	GATE VALVE

REVISIONS | DATE

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CAD FILE NAME: 531–320_P2.1WA.DWG

XREF FILE NAME: 531–320_30X42TLBK.DWG, 531–320_67A1.DWG, 531–320_67GRID.DWG

DRAWING TITLE: FIRST FLOOR PLAN WATER

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

APPROVED: MEDICAL CENTER DIRECTOR

PROJECT TITLE: BOISE VAMC BUILDING 67 EXPANSION

BUILDING NUMBER: 67 | CHECKED: SCH | DRAWN: KMH

LOCATION: VAMC BOISE, IDAHO

DATE: 07/12/2013

PROJECT NO.: 531–320

DRAWING NO.: P2.1WA

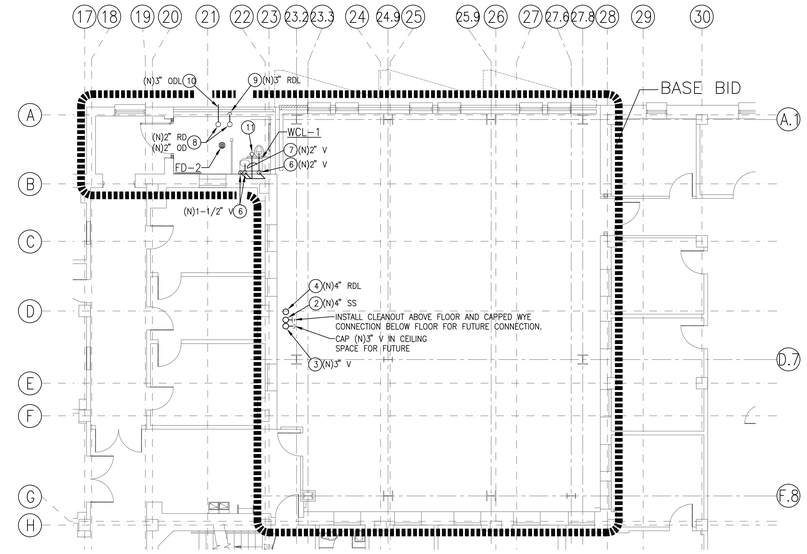
DWG 112 OF 191

DEPARTMENT OF VETERANS AFFAIRS

1 FIRST FLOOR PLAN – WASTE AND VENT

TRUE PLAN

SCALE: 1/8" = 1'-0"



2 FIRST FLOOR PLAN – WASTE AND VENT–BASE BID

TRUE PLAN

SCALE: 1/8" = 1'-0"

METRIC CONVERSION

inch x 25.4 = mm

INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
3/4	19.1	2-1/2	63.5
1	25.4	3	76.2
1-1/4"	31.8	4	101.6
1-1/2"	38.1	6	152.4

GENERAL NOTES:

A. ALL DEMOLITION OF PLUMBING SYSTEMS SHALL BE CLOSELY COORDINATED WITH THE CONTRACTORS PHASING OF THE PROJECT. VERIFY DEMOLITION OF PLUMBING PIPING WITH ALL TRADES PRIOR TO START OF DEMOLITION.

B. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

C. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING UBC, UPC, NFPA. PROVIDE PIPING EQUIPMENT AND MATERIALS IN ACCORDANCE WITH APPLICABLE PLUMBING CODE REGULATIONS AND STANDARDS, AUTHORITIES HAVING JURISDICTION, OR AS OTHERWISE RECOMMENDED OR DIRECTED BY MANUFACTURERS.

D. PROVIDE SEAL BETWEEN WALLS AND PLUMBING FIXTURES PER HEALTH DISTRICT REQUIREMENTS

E. COLD AND HOT WATER SUPPLY PIPING SIZES FOR FIXTURE CONNECTIONS ARE NOT SHOWN ON PLANS. SEE FIXTURE SCHEDULE FOR CONNECTION SIZES.

F. INSTALL ALL OVERHEAD PIPING AS CLOSE TO STRUCTURE AS POSSIBLE, OR AS DETAILED OTHERWISE.

G. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

H. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO STARTING. IN THE EVENT THAT CONFLICTS ARE FOUND WITH THE WORK OF THE OTHER TRADES, BRING ALL SUCH CONFLICTS TO THE ARCHITECT'S ATTENTION FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA. DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITIONS IN CONFLICT WITH THE PLANS.

I. COORDINATE INSTALLATION OF PIPING WITH STRUCTURAL COMPONENTS AND OTHER SYSTEM INSTALLATIONS.

J. COORDINATE ALL FIXTURES, EQUIPMENT AND ROUGH–IN CONNECTION LOCATIONS AND SIZES WITH ARCHITECTURAL DRAWINGS, OWNER AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.

K. PROVIDE SEISMIC RESTRAINTS FOR ALL PIPE AND EQUIPMENT AS RECOMMENDED IN SMACNA "SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL EQUIPMENT", LATEST EDITION.

L. ALL PIPING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. ALL WALLS IN WHICH WATER OR WASTE LINES ARE INSTALLED MUST BE PATCHED TO MATCH EXISTING AFTER LINES ARE INSTALLED.

M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

SHEET NOTES:

1. NEW SANITARY SEWER PIPING BELOW FLOOR TO REMAIN.
2. NEW 4" SANITARY RISER UP FROM BELOW FLOOR TO ABOVE.
3. NEW 3" VENT RISER UP FROM BELOW FLOOR TO ABOVE.
4. ROUTE NEW 4" RDL DOWN IN PIPE CHASE FROM ABOVE TO BELOW. RE: P2.0WV AND P2.2WV.
5. REMOVE EXISTING DRINKING FOUNTAIN AND REPLACE WITH NEW EWC–1. CONNECT EXISTING WASTE AND VENT PIPING. VERIFY EXACT SIZE, LOCATION AND CONNECTION REQUIREMENTS TO EXISTING PIPING IN FIELD PRIOR TO START OF WORK.
6. NEW VENT PIPING UP IN WALL TO ABOVE CEILING.
7. ROUTE NEW VENT PIPING ABOVE CEILING.
8. NEW 3" RDL AND 3" ODL UP TO 3" RD–1 AND 3" OD–1. RE: P2.1WV.
9. ROUTE NEW ROOF DRAIN LEADER LINE HORIZONTALLY IN CEILING SPACE AND DROP DOWN TO BELOW. RE: P2.2WV.
10. ROUTE NEW OVERFLOW DRAIN LEADER HORIZONTALLY IN CEILING SPACE TO EXTERIOR WALL. DAYLIGHT THRU WALL.
11. ROUTE NEW 2" VENT UP THROUGH ROOF. RE: P2.2WV.

LEGEND:

SAN	(E)SANITARY SEWER
V	(E)VENT
SAN	(N)SANITARY SEWER
V	(N)VENT
SAN	CLEAN OUT OR WALL CLEAN OUT
SAN	FLOOR DRAIN, ROUND
SAN	FLOOR SINK
(E) (N)	CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK
	PIPE ELBOW UP
	PIPE ELBOW DOWN
	PIPE TEE BRANCH UP WITH ELBOW)
	PIPE TEE DOWN
	CAP

REVISIONS	DATE

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CAD FILE NAME: 531–320_P2.1WV.DWG

XREF FILE NAME: 531–320_30X42TLBK.DWG 531–320_67A1.DWG 531–320_67GRID.DWG

DRAWING TITLE: FIRST FLOOR PLAN WASTE AND VENT

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

APPROVED: MEDICAL CENTER DIRECTOR

PROJECT TITLE: BOISE VAMC BUILDING 67 EXPANSION

BUILDING NUMBER: 67

CHECKED: SCH

DRAWN: KMH

LOCATION: VAMC BOISE, IDAHO

DATE: 07/12/2013

PROJECT NO.: 531–320

DRAWING NO.: P2.1WV

DWG 113 OF 191

DEPARTMENT OF VETERANS AFFAIRS

METRIC CONVERSION			
inch x 25.4 = mm			
INCHES	MM	INCHES	MM
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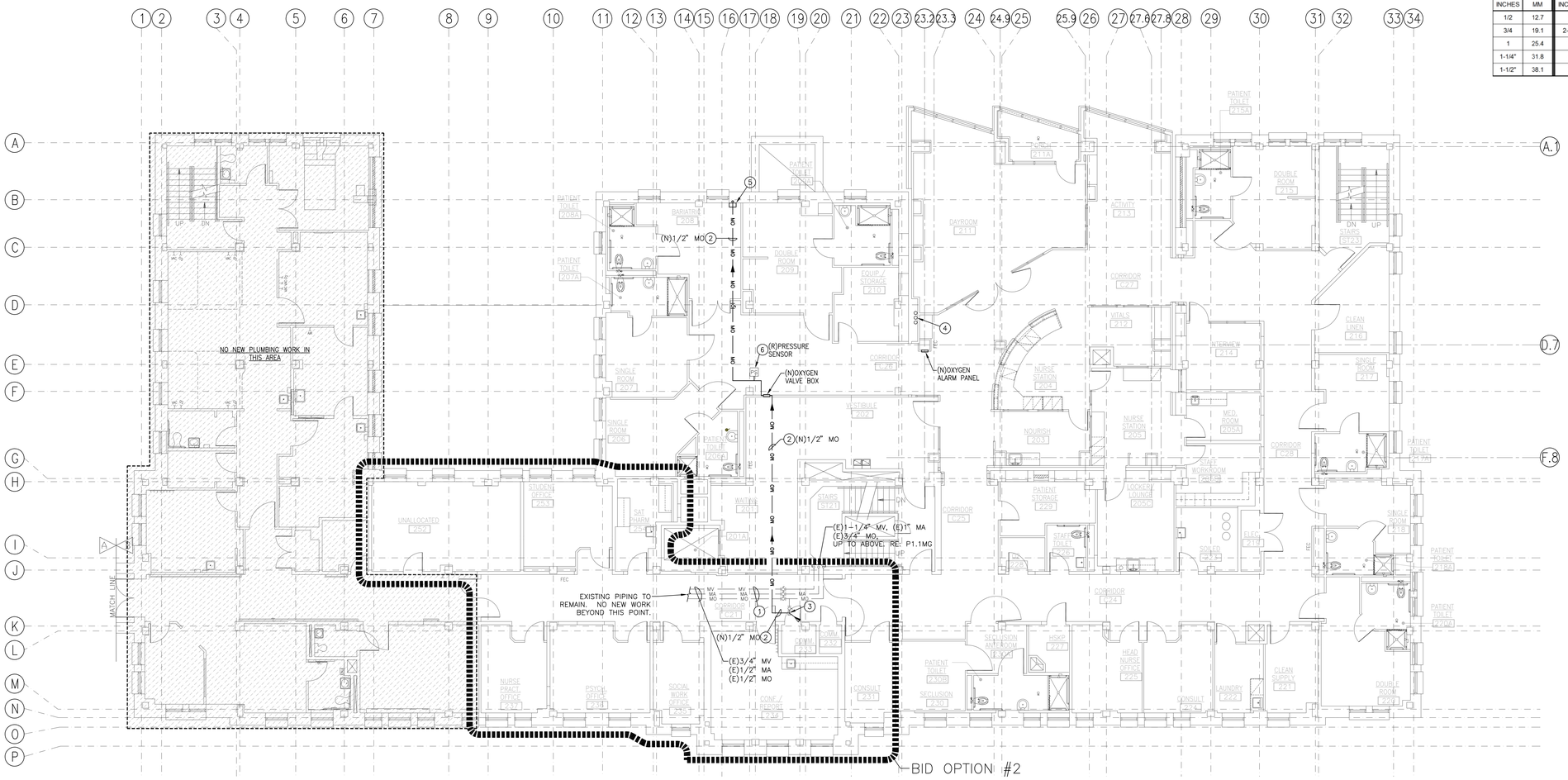
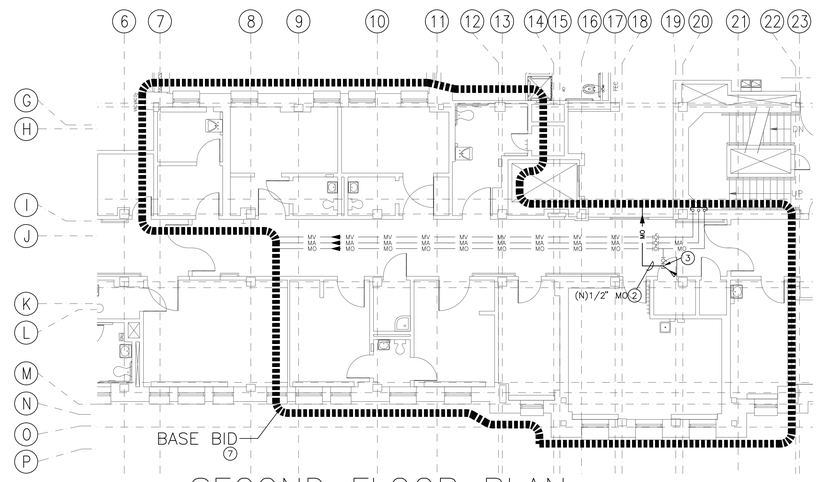


TRUE PLAN

SECOND FLOOR PLAN – 1 MEDICAL GAS

SCALE: 1/8" = 1'-0"



TRUE PLAN

SECOND FLOOR PLAN – 2 MEDICAL GAS – BASE BID

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. ALL DEMOLITION OF PLUMBING SYSTEMS SHALL BE CLOSELY COORDINATED WITH THE CONTRACTOR'S PHASING OF THE PROJECT. VERIFY DEMOLITION OF PLUMBING PIPING WITH ALL TRADES PRIOR TO START OF DEMOLITION.

B. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

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D. PROVIDE SEAL BETWEEN WALLS AND PLUMBING FIXTURES PER HEALTH DISTRICT REQUIREMENTS

E. COLD AND HOT WATER SUPPLY PIPING SIZES FOR FIXTURE CONNECTIONS ARE NOT SHOWN ON PLANS. SEE FIXTURE SCHEDULE FOR CONNECTION SIZES.

F. INSTALL ALL OVERHEAD PIPING AS CLOSE TO STRUCTURE AS POSSIBLE, OR AS DETAILED OTHERWISE.

G. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

H. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO STARTING. IN THE EVENT THAT CONFLICTS ARE FOUND WITH THE WORK OF THE OTHER TRADES, BRING ALL SUCH CONFLICTS TO THE ARCHITECT'S ATTENTION FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA. DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITIONS IN CONFLICT WITH THE PLANS.

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M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

N. ALL NEW GAS VALVES SHALL BE LOCKED AND LABELED.

SHEET NOTES:

1. EXISTING PIPING IN CEILING SPACE TO REMAIN. VERIFY EXACT LOCATION AND ROUTING OF EXISTING PIPING IN FIELD PRIOR TO START OF WORK.
2. ROUTE NEW PIPING IN CEILING SPACE.
3. CONNECT NEW MEDICAL GAS PIPING TO EXISTING MEDICAL GAS PIPING IN CEILING SPACE. VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
4. ROUTE NEW MEDICAL GAS PIPING THROUGH EXTERIOR WALL, INTO NEW UTILITY CRAWL SPACE. RISE UP IN PIPE CHASE TO FLOOR ABOVE. RE: P2.1MG.
5. ROUTE NEW MEDICAL GAS PIPING DOWN IN WALL AND MAKE CONNECTION TO HEADWALL.
6. NEW LOCATION OF EXISTING PRESSURE SENSOR. RE:P1.2MG.
7. EXISTING TO REMAIN. NO NEW PLUMBING WORK IN THIS AREA.

LEGEND:

MA	(N)MEDICAL AIR
MO	(N)MEDICAL OXYGEN
MV	(N)MEDICAL VACUUM
MA	(E)MEDICAL AIR
MO	(E)MEDICAL OXYGEN
MV	(E)MEDICAL VACUUM
(E) (N)	CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK
	PIPE ELBOW UP
	PIPE ELBOW DOWN
	PIPE TEE BRANCH UP WITH ELBOW)
	PIPE TEE DOWN
	CAP
	BALL VALVE
	GATE VALVE

REVISIONS | DATE

CSHQA

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CAD FILE NAME: 531–320_P2.2MG.DWG

XREF FILE NAME: 531–320_30X42TLBK.DWG, 531–320_67A2.DWG, 531–320_67GRID.DWG

DRAWING TITLE: SECOND FLOOR PLAN MEDICAL GAS

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

APPROVED: MEDICAL CENTER DIRECTOR

PROJECT TITLE: BOISE VAMC BUILDING 67 EXPANSION

BUILDING NUMBER: 67 | CHECKED: SCH | DRAWN: KMH

LOCATION: VAMC BOISE, IDAHO

DATE: 07/12/2013

PROJECT NO.: 531–320

DRAWING NO.: P2.2MG

DWG 114 OF 191

DEPARTMENT OF VETERANS AFFAIRS

METRIC CONVERSION			
inch x 25.4 = mm			
INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
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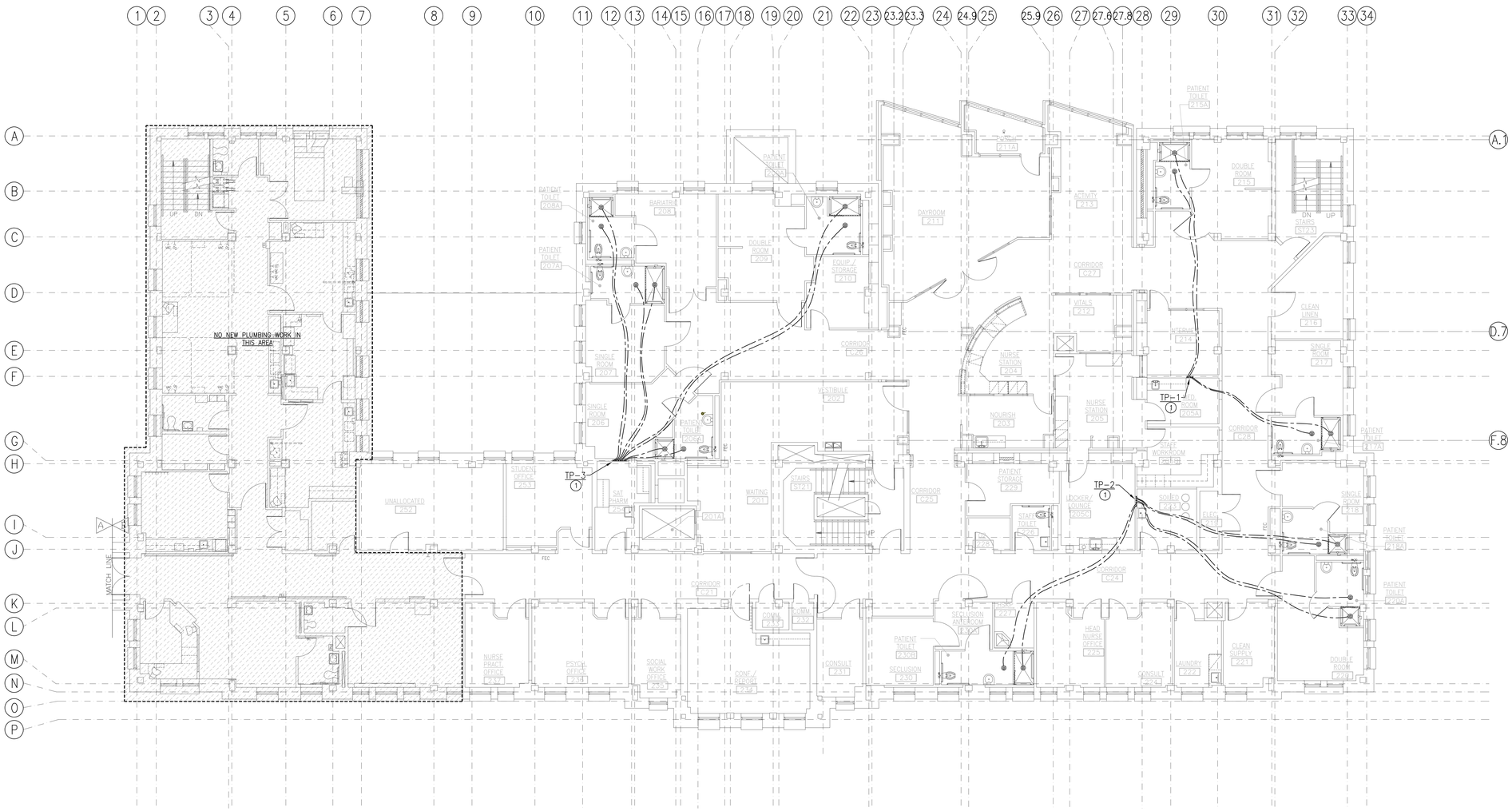
M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

SHEET NOTES:

1. EXTEND NEW 3/8" PEX TUBING INDEPENDENTLY FROM TRAP PRIMER MANIFOLD TO DRAIN TRAP. ROUTE PIPING BELOW FLOOR. COORDINATE ROUTING WITH ALL OTHER DISCIPLINES, NEW AND EXISTING PIPING AND DUCTWORK.

LEGEND:

SAN (E)SANITARY SEWER	PIPE ELBOW UP
V (E)VENT	PIPE ELBOW DOWN
SAN (N)SANITARY SEWER	PIPE TEE BRANCH UP WITH ELBOW)
V (N)VENT	PIPE TEE DOWN
SAN CLEAN OUT OR WALL CLEAN OUT	CAP
SAN FLOOR DRAIN, ROUND	
SAN FLOOR SINK	
(E) (N) CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK	



TRUE PLAN

SECOND FLOOR PLAN – 1 TRAP PRIMER PIPING

SCALE: 1/8" = 1'-0"

REVISIONS	DATE

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CAD FILE NAME: 531-320_P2.2TP.DWG

XREF FILE NAME: 531-320_30X42TLBK.DWG
531-320_67A2.DWG
531-320_67GRID.DWG

DRAWING TITLE: SECOND FLOOR PLAN TRAP PRIMER PIPING

PROJECT TITLE: BOISE VAMC BUILDING 67 EXPANSION

DATE: 07/12/2013

PROJECT NO. 531-320

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

BUILDING NUMBER 67 | CHECKED SCH | DRAWN KMH

DRAWING NO. P2.2TP

APPROVED: MEDICAL CENTER DIRECTOR

LOCATION VAMC BOISE, IDAHO

DWG 115 OF 191

DEPARTMENT OF VETERANS AFFAIRS

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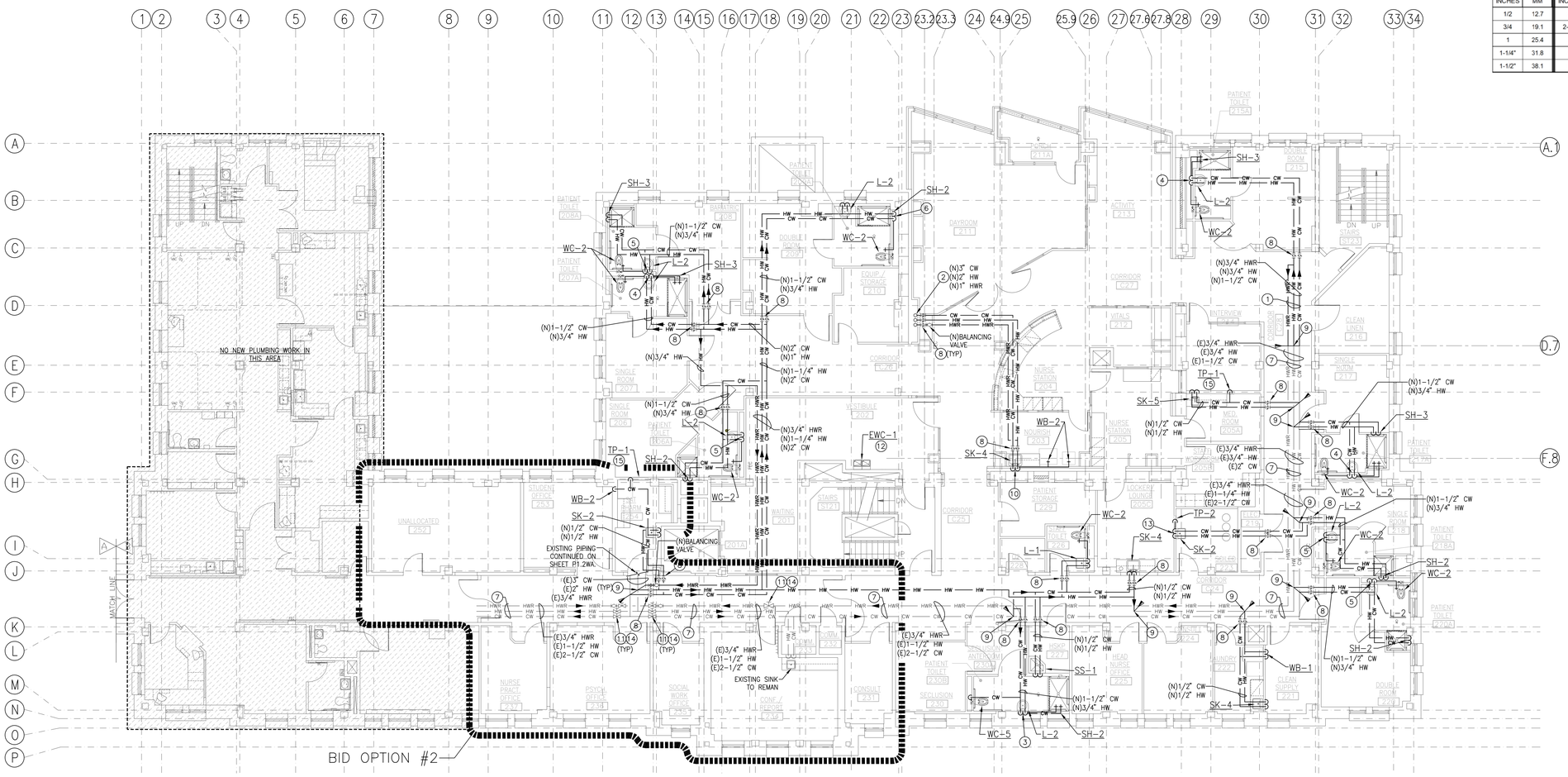
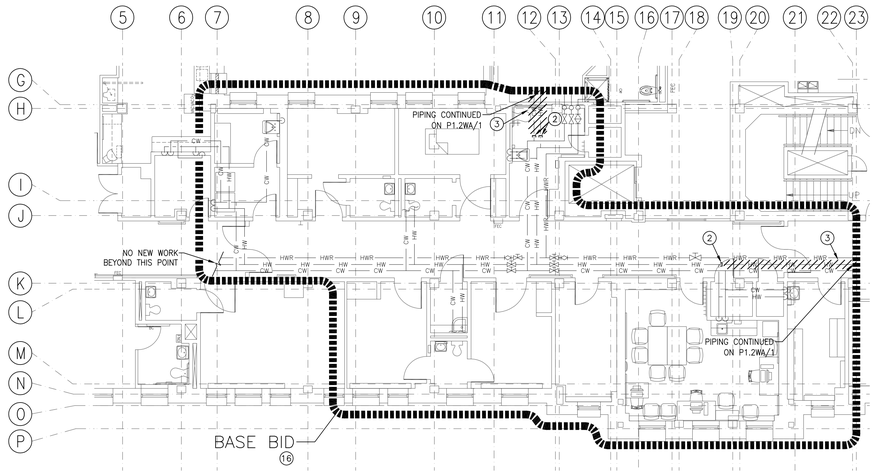


SECOND FLOOR PLAN – 1 WATER

SCALE: 1/8" = 1'-0"



SECOND FLOOR PLAN – 2 WATER – BASE BID

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

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M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

N. PLUMBER SHALL VERIFY CONDITION OF ALL EXISTING SHUT-OFF AND BALANCING VALVES AND REPLACE WITH NEW AS NECESSARY. GATE VALVES SHALL BE REPLACED WITH BALL VALVES. INSTALL NEW BALL VALVE UPSTREAM OF BALANCING VALVE IF NONE EXISTS. ALL NEW AND EXISTING VALVES SHALL BE LABELED IN ACCORDANCE WITH VAMC STANDARDS.

SHEET NOTES:

1. ROUTE NEW PIPING IN CEILING SPACE.
2. ROUTE NEW WATER PIPING UP IN PIPE CHASE FROM BELOW FLOOR TO ABOVE. RE: P2.3WA.
3. NEW 3/4" HW-CW DOWN AND RUN IN WALL. CONNECT 1/2" HW-CW TO L-2 AND SH-2.
4. NEW 3/4" HW AND 1-1/2" CW DOWN AND RUN IN WALL. CONNECT 1/2" HW-CW TO L-2 AND SH-3, AND 1" CW TO WC-2.
5. NEW 1/2" HW AND 1" CW DOWN AND RUN IN WALL. CONNECT 1/2" HW-CW TO L-2 AND 1" CW TO WC-2.
6. NEW 1/2" HW AND 1" CW DOWN AND RUN IN WALL. CONNECT 1/2" HW-CW TO SH-2 AND 1" CW TO WC-2.
7. EXISTING PIPING IN CEILING SPACE TO REMAIN.
8. INSTALL NEW ISOLATION (BALL) VALVES IN NEW SUPPLY PIPING IN CEILING SPACE. PROVIDE ACCESS PANEL WITH VALVE NUMBER LABEL. ACCESS PANEL SHALL BE IN ACCORDANCE WITH VA STANDARDS FOR MENTAL HEALTH FACILITIES.
9. CONNECT NEW WATER PIPING TO EXISTING WATER PIPING IN CEILING, AT MAIN. VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING IN FIELD PRIOR TO START OF WORK.
10. NEW 1/2" HW AND 3/4" CW DOWN AND RUN IN WALL. CONNECT 1/2" HW-CW TO SK-4 AND 1/2" CW TO EACH WB-2.
11. EXISTING VALVES TO REMAIN. VERIFY EXACT LOCATION IN FIELD PRIOR TO START OF WORK.
12. REMOVE EXISTING DRINKING FOUNTAIN AND REPLACE WITH NEW EWC-1. CONNECT TO EXISTING CW PIPING. VERIFY EXACT SIZE, LOCATION AND CONNECTION REQUIREMENTS TO EXISTING PIPING IN FIELD PRIOR TO START OF WORK.
13. NEW 1/2" HW AND 3/4" CW DOWN AND RUN IN WALL. CONNECT 1/2" HW-CW TO SK-2 AND 3/4" CW TO TP-2 WITH SHUT-OFF VALVE.
14. PLUMBER SHALL VERIFY CONDITION OF ALL EXISTING SHUT-OFF AND BALANCING VALVES AND REPLACE WITH NEW AS NECESSARY. GATE VALVES SHALL BE REPLACED WITH BALL VALVES.
15. NEW 3/4" CW DOWN IN WALL AND MAKE CONNECTION TO TRAP PRIMER MANIFOLD WITH SHUT-OFF VALVE. SEE SHEET P2.2TP FOR TRAP PRIMER LINE ROUTING.
16. EXISTING TO REMAIN. NO NEW PLUMBING WORK EXCEPT AS NOTED.

LEGEND:

CW	(N)COLD WATER		PIPE ELBOW UP
HW	(N)HOT WATER		PIPE ELBOW DOWN
HWR	(N)HOT WATER RETURN		PIPE TEE BRANCH UP WITH ELBOW)
CW	(E)COLD WATER		PIPE TEE DOWN
HW	(E)HOT WATER		CAP
HWR	(E)HOT WATER RETURN		BALL VALVE
(E) (N)	CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK		GATE VALVE

REVISIONS | DATE

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CAD FILE NAME: 531-320_P2.2WA.DWG

XREF FILE NAME: 531-320_30X42TLBK.DWG, 531-320_67A2.DWG, 531-320_67GRID.DWG

DRAWING TITLE: SECOND FLOOR PLAN WATER

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

APPROVED: MEDICAL CENTER DIRECTOR

PROJECT TITLE: BOISE VAMC BUILDING 67 EXPANSION

BUILDING NUMBER: 67 | CHECKED: SCH | DRAWN: KMH

LOCATION: VAMC BOISE, IDAHO

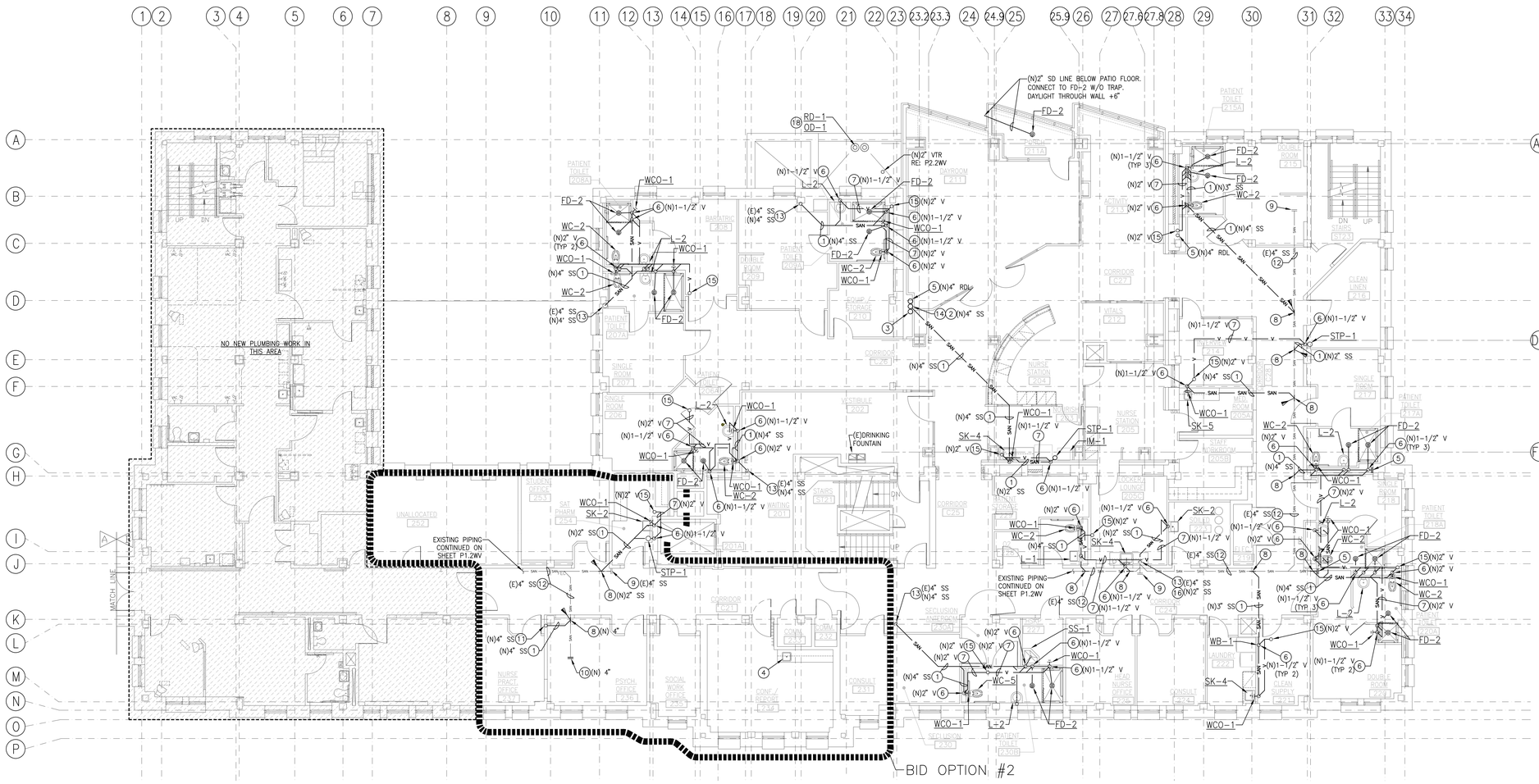
DATE: 07/12/2013

PROJECT NO.: 531-320

DRAWING NO.: P2.2WA

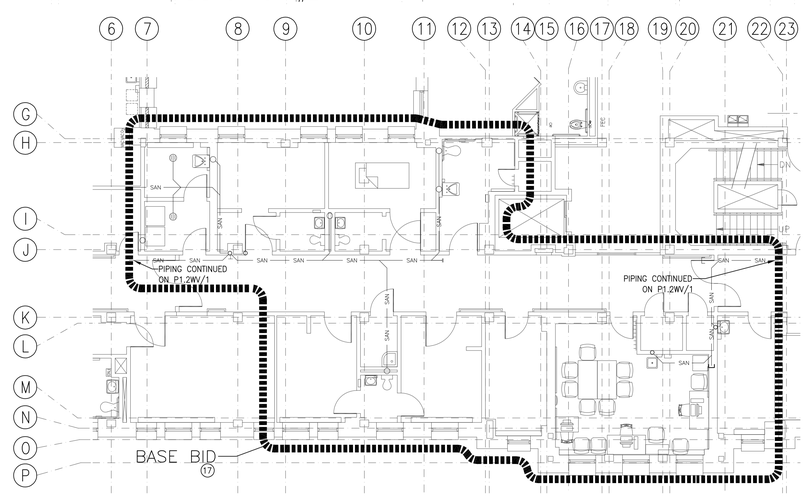
DWG 116 OF 191

DEPARTMENT OF VETERANS AFFAIRS



SECOND FLOOR PLAN – 1 WASTE AND VENT

SCALE: 1/8" = 1'-0"



SECOND FLOOR PLAN – 2 WASTE AND VENT – BASE BID

SCALE: 1/8" = 1'-0"

METRIC CONVERSION

inch x 25.4 = mm

INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
3/4	19.1	2-1/2	63.5
1	25.4	3	76.2
1-1/4"	31.8	4	101.6
1-1/2"	38.1	6	152.4

GENERAL NOTES:

A. ALL DEMOLITION OF PLUMBING SYSTEMS SHALL BE CLOSELY COORDINATED WITH THE CONTRACTOR'S PHASING OF THE PROJECT. VERIFY DEMOLITION OF PLUMBING PIPING WITH ALL TRADES PRIOR TO START OF DEMOLITION.

B. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

C. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING UBC, UPC, NFPA. PROVIDE PIPING EQUIPMENT AND MATERIALS IN ACCORDANCE WITH APPLICABLE PLUMBING CODE REGULATIONS AND STANDARDS, AUTHORITIES HAVING JURISDICTION, OR AS OTHERWISE RECOMMENDED OR DIRECTED BY MANUFACTURERS.

D. PROVIDE SEAL BETWEEN WALLS AND PLUMBING FIXTURES PER HEALTH DISTRICT REQUIREMENTS

E. COLD AND HOT WATER SUPPLY PIPING SIZES FOR FIXTURE CONNECTIONS ARE NOT SHOWN ON PLANS. SEE FIXTURE SCHEDULE FOR CONNECTION SIZES.

F. INSTALL ALL OVERHEAD PIPING AS CLOSE TO STRUCTURE AS POSSIBLE, OR AS DETAILED OTHERWISE.

G. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

H. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO STARTING. IN THE EVENT THAT CONFLICTS ARE FOUND WITH THE WORK OF THE OTHER TRADES, BRING ALL SUCH CONFLICTS TO THE ARCHITECT'S ATTENTION FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA. DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITIONS IN CONFLICT WITH THE PLANS.

I. COORDINATE INSTALLATION OF PIPING WITH STRUCTURAL COMPONENTS AND OTHER SYSTEM INSTALLATIONS.

J. COORDINATE ALL FIXTURES, EQUIPMENT AND ROUGH–IN CONNECTION LOCATIONS AND SIZES WITH ARCHITECTURAL DRAWINGS, OWNER AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.

K. PROVIDE SEISMIC RESTRAINTS FOR ALL PIPE AND EQUIPMENT AS RECOMMENDED IN SMACNA "SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL EQUIPMENT", LATEST EDITION.

L. ALL PIPING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. ALL WALLS IN WHICH WATER OR WASTE LINES ARE INSTALLED MUST BE PATCHED TO MATCH EXISTING AFTER LINES ARE INSTALLED.

M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

SHEET NOTES:

1. NEW SANITARY SEWER PIPING BELOW FLOOR.
2. NEW 4" SANITARY RISER UP FROM BELOW FLOOR TO ABOVE.
3. NEW 3" VENT RISER UP FROM BELOW FLOOR TO ABOVE.
4. EXISTING FIXTURE TO REMAIN.
5. ROUTE NEW 4" RDL DOWN FROM ABOVE TO BELOW. RE: P2.1WV AND P2.3WV.
6. NEW VENT PIPING UP IN WALL TO ABOVE CEILING.
7. ROUTE NEW VENT PIPING ABOVE CEILING. VERIFY LOCATION OF EXISTING VENT SYSTEM AND VTR AND MAKE CONNECTION.
8. CONNECT NEW SANITARY LINE TO EXISTING SANITARY LINE BELOW FLOOR. VERIFY EXACT LOCATION OF EXISTING PIPING AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
9. EXISTING CLEANOUT PLUG TO REMAIN.
10. INSTALL NEW CLEANOUT PLUG ON EXISTING SANITARY PIPING BELOW FLOOR.
11. ROUTE NEW SANITARY SEWER IN WALL FROM ABOVE TO BELOW FLOOR.
12. EXISTING SANITARY PIPING BELOW FLOOR TO REMAIN.
13. CONNECT NEW SANITARY LINE TO EXISTING SANITARY RISER UP FROM BELOW TO ABOVE. VERIFY EXACT LOCATION OF EXISTING RISER AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
14. CONNECT NEW SANITARY LINE TO NEW SANITARY RISER UP FROM BELOW TO ABOVE.
15. ROUTE NEW VENT LINE UP TO ABOVE. SEE SHEET P2.3WV.
16. EXISTING SANITARY SEWER LINE DOWN TO BELOW.
17. EXISTING TO REMAIN. NO NEW PLUMBING WORK IN THIS AREA.
18. NEW 2" RDL AND 2" ODL UP FROM BELOW TO RD–1 AND OD–1 ON ROOF. RE: P2.2WV

LEGEND:

SAN	(E)SANITARY SEWER
V	(E)VENT
SAN	(N)SANITARY SEWER
V	(N)VENT
SAN	CLEAN OUT OR WALL CLEAN OUT
SAN	FLOOR DRAIN, ROUND
SAN	FLOOR SINK
(E) (N)	CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK
	PIPE ELBOW UP
	PIPE ELBOW DOWN
	PIPE TEE BRANCH UP WITH ELBOW)
	PIPE TEE DOWN
	CAP

REVISIONS	DATE

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CAD FILE NAME: 531–320_P2.2WV.DWG

XREF FILE NAME: 531–320_30X42TLBK.DWG 531–320_67A2.DWG 531–320_67GRID.DWG

DRAWING TITLE: SECOND FLOOR PLAN WASTE AND VENT

PROJECT TITLE: BOISE VAMC BUILDING 67 EXPANSION

DATE: 07/12/2013

PROJECT NO. 531–320

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

BUILDING NUMBER 67 | CHECKED SCH | DRAWN KMH

DRAWING NO. P2.2WV

APPROVED: MEDICAL CENTER DIRECTOR

LOCATION VAMC BOISE, IDAHO

DWG 117 OF 191

DEPARTMENT OF VETERANS AFFAIRS

METRIC CONVERSION			
inch x 25.4 = mm			
INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
3/4	19.1	2-1/2	63.5
1	25.4	3	76.2
1-1/4"	31.8	4	101.6
1-1/2"	38.1	6	152.4

GENERAL NOTES:

A. ALL DEMOLITION OF PLUMBING SYSTEMS SHALL BE CLOSELY COORDINATED WITH THE CONTRACTORS PHASING OF THE PROJECT. VERIFY DEMOLITION OF PLUMBING PIPING WITH ALL TRADES PRIOR TO START OF DEMOLITION.

B. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

C. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING UBC, UPC, NFPA. PROVIDE PIPING EQUIPMENT AND MATERIALS IN ACCORDANCE WITH APPLICABLE PLUMBING CODE REGULATIONS AND STANDARDS, AUTHORITIES HAVING JURISDICTION, OR AS OTHERWISE RECOMMENDED OR DIRECTED BY MANUFACTURERS.

D. PROVIDE SEAL BETWEEN WALLS AND PLUMBING FIXTURES PER HEALTH DISTRICT REQUIREMENTS

E. COLD AND HOT WATER SUPPLY PIPING SIZES FOR FIXTURE CONNECTIONS ARE NOT SHOWN ON PLANS. SEE FIXTURE SCHEDULE FOR CONNECTION SIZES.

F. INSTALL ALL OVERHEAD PIPING AS CLOSE TO STRUCTURE AS POSSIBLE, OR AS DETAILED OTHERWISE.

G. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

H. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO STARTING. IN THE EVENT THAT CONFLICTS ARE FOUND WITH THE WORK OF THE OTHER TRADES, BRING ALL SUCH CONFLICTS TO THE ARCHITECT'S ATTENTION FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA. DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITIONS IN CONFLICT WITH THE PLANS.

I. COORDINATE INSTALLATION OF PIPING WITH STRUCTURAL COMPONENTS AND OTHER SYSTEM INSTALLATIONS.

J. COORDINATE ALL FIXTURES, EQUIPMENT AND ROUGH-IN CONNECTION LOCATIONS AND SIZES WITH ARCHITECTURAL DRAWINGS, OWNER AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.

K. PROVIDE SEISMIC RESTRAINTS FOR ALL PIPE AND EQUIPMENT AS RECOMMENDED IN SMACNA "SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL EQUIPMENT", LATEST EDITION.

L. ALL PIPING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. ALL WALLS IN WHICH WATER OR WASTE LINES ARE INSTALLED MUST BE PATCHED TO MATCH EXISTING AFTER LINES ARE INSTALLED.

M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

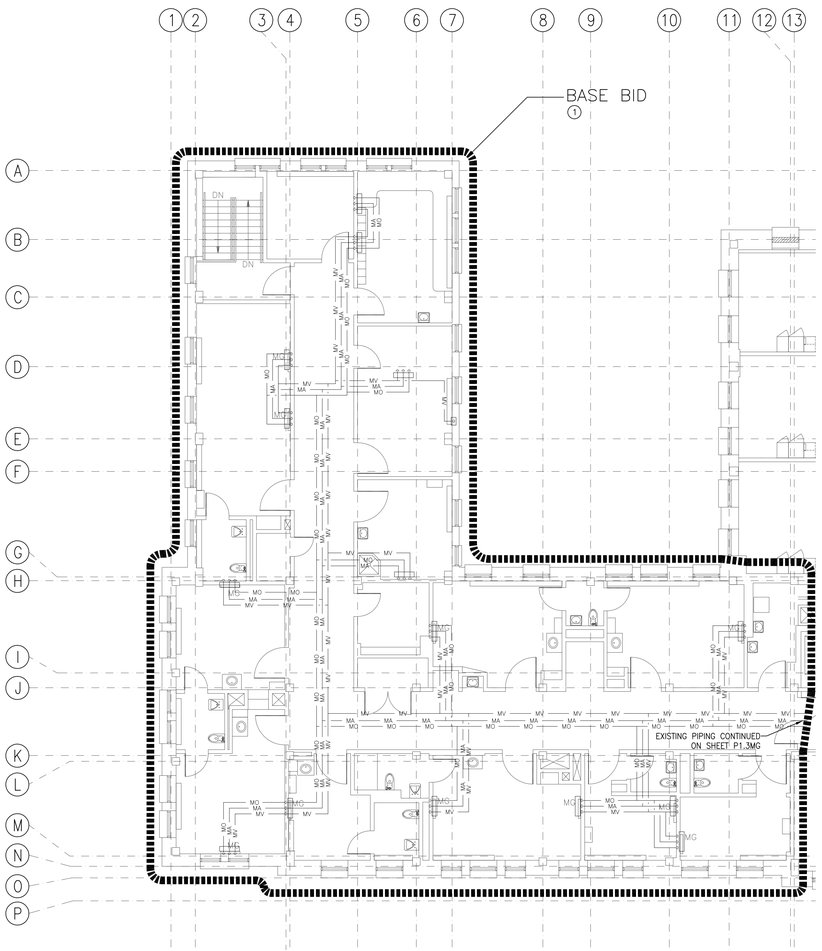
N. ALL NEW GAS VALVES SHALL BE LOCKED AND LABELED.

SHEET NOTES:

1. EXISTING TO REMAIN. NO NEW PLUMBING WORK IN THIS AREA.

LEGEND:

MA	(N)MEDICAL AIR		PIPE ELBOW UP
MO	(N)MEDICAL OXYGEN		PIPE ELBOW DOWN
MV	(N)MEDICAL VACUUM		PIPE TEE BRANCH UP WITH ELBOW)
MA	(E)MEDICAL AIR		PIPE TEE DOWN
MO	(E)MEDICAL OXYGEN		CAP
MV	(E)MEDICAL VACUUM		BALL VALVE
(E) (N)	CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK		GATE VALVE



THIRD FLOOR PLAN – 1 MEDICAL GAS – BASE BID

TRUE PLAN

SCALE: 1/8" = 1'-0"

RE: P2.3MG FOR ADDITIONAL BASE BID WORK

REVISIONS	DATE

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CAD FILE NAME:
531–320_P2.3AMG.DWG

XREF FILE NAME:
531–320_30X42TLBK.DWG
531–320_67A3.DWG
531–320_67GRID.DWG

DRAWING TITLE
THIRD FLOOR PLAN
MEDICAL GAS–BASE BID

PROJECT TITLE
BOISE VAMC
BUILDING 67 EXPANSION

DATE 07/12/2013

PROJECT NO. 531–320

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

BUILDING NUMBER 67 | CHECKED SCH | DRAWN KMH

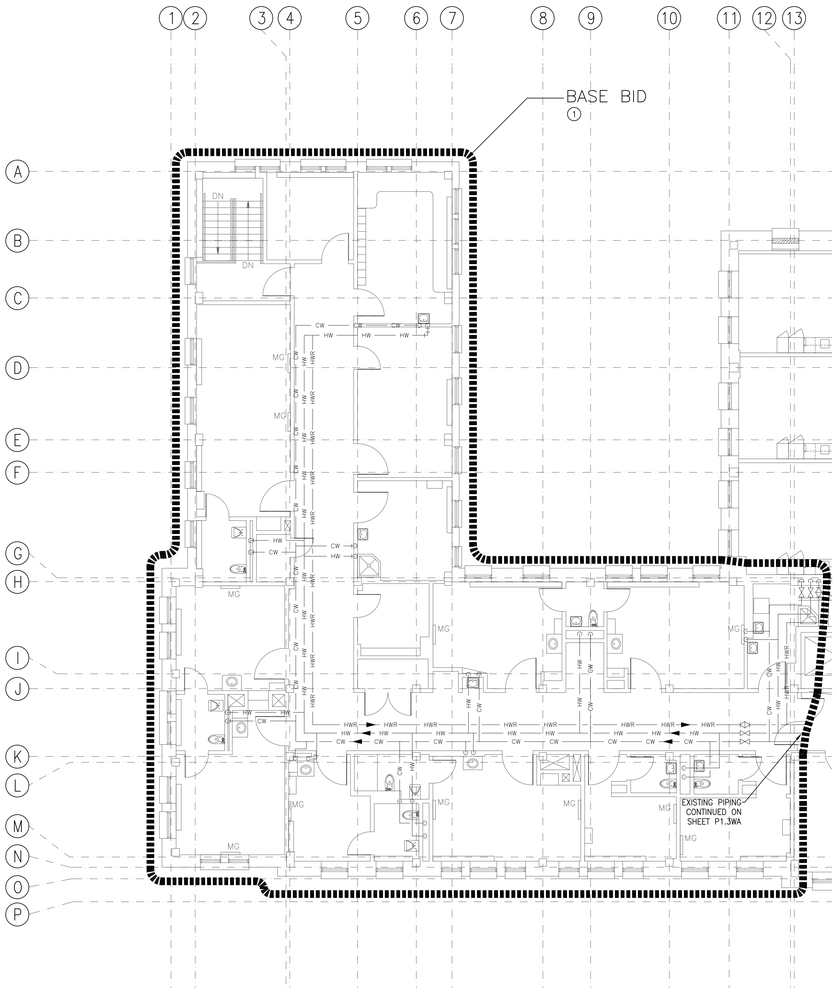
DRAWING NO. P2.3AMG

APPROVED: MEDICAL CENTER DIRECTOR

LOCATION VAMC BOISE, IDAHO

DWG 118 OF 191

DEPARTMENT OF VETERANS AFFAIRS



TRUE PLAN

THIRD FLOOR PLAN – 1 WATER – BASE BID

SCALE: 1/8" = 1'-0"

RE: P2.3WA FOR ADDITIONAL BASE BID WORK

METRIC CONVERSION

inch x 25.4 = mm

INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
3/4	19.1	2-1/2	63.5
1	25.4	3	76.2
1-1/4"	31.8	4	101.6
1-1/2"	38.1	6	152.4

GENERAL NOTES:

A. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

B. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING UBC, UPC, NFPA. PROVIDE PIPING EQUIPMENTAND MATERIALS IN ACCORDANCE WITH APPLICABLE PLUMBING CODE REGULATIONS AND STANDARDS, AUTHORITIES HAVING JURISDICTION, OR AS OTHERWISE RECOMMENDED OR DIRECTED BY MANUFACTURERS.

C. PROVIDE SEAL BETWEEN WALLS AND PLUMBING FIXTURES AS PER GENERAL NOTE C.

D. COLD AND HOT WATER SUPPLY PIPING SIZES FOR FIXTURE CONNECTIONS ARE NOT SHOWN ON PLANS. SEE FIXTURE SCHEDULE FOR CONNECTION SIZES.

E. INSTALL ALL OVERHEAD PIPING AS CLOSE TO STRUCTURE AS POSSIBLE, OR AS DETAILED OTHERWISE.

F. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

G. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO STARTING. IN THE EVENT THAT CONFLICTS ARE FOUND WITH THE WORK OF THE OTHER TRADES, BRING ALL SUCH CONFLICTS TO THE ARCHITECT'S ATTENTION FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA. DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT CONDITIONS IN CONFLICT WITH THE PLANS.

H. COORDINATE INSTALLATION OF PIPING WITH STRUCTURAL COMPONENTS AND OTHER SYSTEM INSTALLATIONS.

I. COORDINATE ALL FIXTURES, EQUIPMENT AND ROUGH-IN CONNECTION LOCATIONS AND SIZES WITH ARCHITECTURAL DRAWINGS, OWNER AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.

J. PROVIDE SEISMIC RESTRAINTS FOR ALL PIPE AND EQUIPMENT AS RECOMMENDED IN SMACNA "SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL EQUIPMENT", LATEST EDITION.

K. ALL PIPING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. ALL WALLS WHERE IN WHICH WATER OR WASTE LINES ARE INSTALLED MUST BE PATCHED TO MATCH EXISTING AFTER LINES ARE INSTALLED.

L. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

M. PLUMBER SHALL VERIFY CONDITION OF ALL EXISTING SHUT-OFF AND BALANCING VALVES AND REPLACE WITH NEW AS NECESSARY. GATE VALVES SHALL BE REPLACED WITH BALL VALVES. INSTALL NEW BALL VALVE UPSTREAM OF BALANCING VALVE IF NONE EXISTS. ALL NEW AND EXISTING VALVES SHALL BE LABELED IN ACCORDANCE WITH VAMC STANDARDS.

SHEET NOTES:

1. EXISTING TO REMAIN. NO NEW PLUMBING WORK IN THIS AREA.

LEGEND:

CW	(N)COLD WATER		PIPE ELBOW UP
HW	(N)HOT WATER		PIPE ELBOW DOWN
HWR	(N)HOT WATER RETURN		PIPE TEE BRANCH UP WITH ELBOW)
CW	(E)COLD WATER		PIPE TEE DOWN
HW	(E)HOT WATER		CAP
HWR	(E)HOT WATER RETURN		BALL VALVE
(E) (N)	CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK		GATE VALVE

REVISIONS | DATE

CSHQA

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DRAWING TITLE
THIRD FLOOR PLAN
WATER-BASE BID

PROJECT TITLE
BOISE VAMC
BUILDING 67 EXPANSION

DATE 07/12/2013

PROJECT NO. 531-320

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

BUILDING NUMBER 67 | CHECKED SCH | DRAWN KMH

DRAWING NO. P2.3AWA

APPROVED: MEDICAL CENTER DIRECTOR

LOCATION VAMC BOISE, IDAHO

DEPARTMENT OF VETERANS AFFAIRS

METRIC CONVERSION			
inch x 25.4 = mm			
INCHES	MM	INCHES	MM
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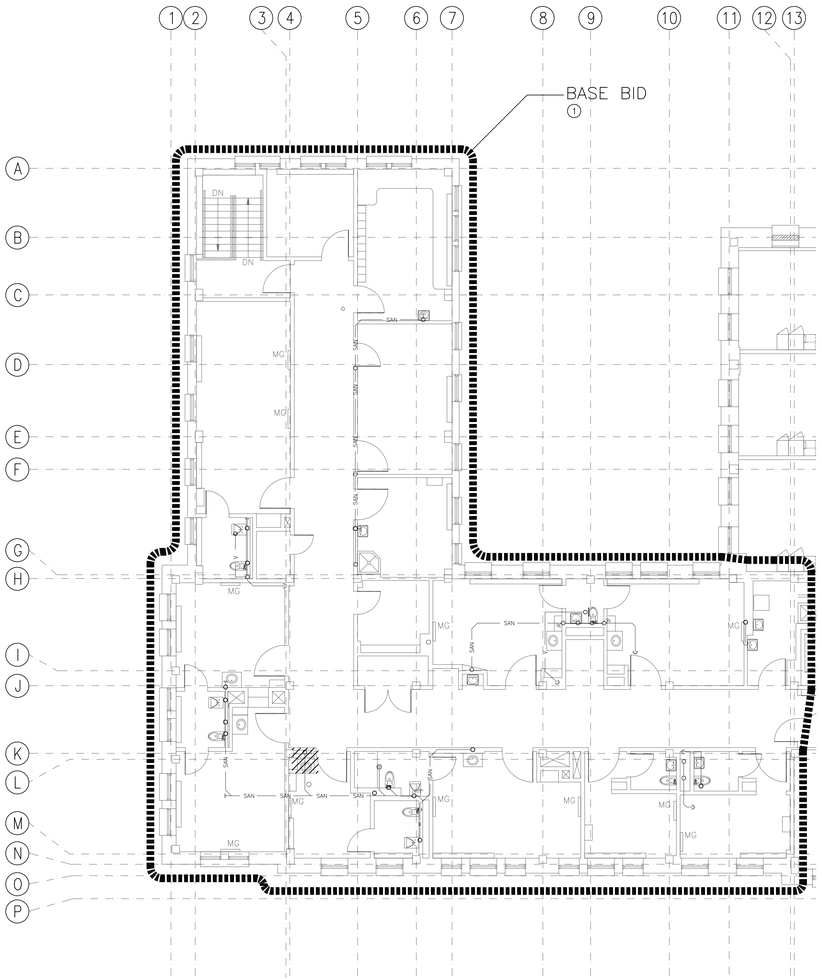
1-1/2"	38.1	6	152.4



TRUE PLAN

THIRD FLOOR PLAN – 1 WASTE AND VENT – BASE BID

SCALE: 1/8" = 1'–0"

RE: P2.3WV FOR ADDITIONAL BASE BID WORK

GENERAL NOTES:

A. ALL DEMOLITION OF PLUMBING SYSTEMS SHALL BE CLOSELY COORDINATED WITH THE CONTRACTORS PHASING OF THE PROJECT. VERIFY DEMOLITION OF PLUMBING PIPING WITH ALL TRADES PRIOR TO START OF DEMOLITION.

B. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

C. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING UBC, UPC, NFPA. PROVIDE PIPING EQUIPMENT AND MATERIALS IN ACCORDANCE WITH APPLICABLE PLUMBING CODE REGULATIONS AND STANDARDS, AUTHORITIES HAVING JURISDICTION, OR AS OTHERWISE RECOMMENDED OR DIRECTED BY MANUFACTURERS.

D. PROVIDE SEAL BETWEEN WALLS AND PLUMBING FIXTURES PER HEALTH DISTRICT REQUIREMENTS

E. COLD AND HOT WATER SUPPLY PIPING SIZES FOR FIXTURE CONNECTIONS ARE NOT SHOWN ON PLANS. SEE FIXTURE SCHEDULE FOR CONNECTION SIZES.

F. INSTALL ALL OVERHEAD PIPING AS CLOSE TO STRUCTURE AS POSSIBLE, OR AS DETAILED OTHERWISE.

G. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

H. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO STARTING. IN THE EVENT THAT CONFLICTS ARE FOUND WITH THE WORK OF THE OTHER TRADES, BRING ALL SUCH CONFLICTS TO THE ARCHITECT'S ATTENTION FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA. DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITIONS IN CONFLICT WITH THE PLANS.

I. COORDINATE INSTALLATION OF PIPING WITH STRUCTURAL COMPONENTS AND OTHER SYSTEM INSTALLATIONS.

J. COORDINATE ALL FIXTURES, EQUIPMENT AND ROUGH–IN CONNECTION LOCATIONS AND SIZES WITH ARCHITECTURAL DRAWINGS, OWNER AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.

K. PROVIDE SEISMIC RESTRAINTS FOR ALL PIPE AND EQUIPMENT AS RECOMMENDED IN SMACNA "SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL EQUIPMENT", LATEST EDITION.

L. ALL PIPING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. ALL WALLS IN WHICH WATER OR WASTE LINES ARE INSTALLED MUST BE PATCHED TO MATCH EXISTING AFTER LINES ARE INSTALLED.

M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

SHEET NOTES:

1. EXISTING TO REMAIN. NO NEW PLUMBING WORK IN THIS AREA.

LEGEND:

SAN	(E)SANITARY SEWER		PIPE ELBOW UP
V	(E)VENT		PIPE ELBOW DOWN
SAN	(N)SANITARY SEWER		PIPE TEE BRANCH UP WITH ELBOW)
V	(N)VENT		PIPE TEE DOWN
SAN	CLEAN OUT OR WALL CLEAN OUT		CAP
SAN	FLOOR DRAIN, ROUND		
SAN	FLOOR SINK		
RDL	(N)ROOF DRAIN LEADER		
ODL	(N)OVERFLOW DRAIN LEADER		
(E) (N)	CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK		

REVISIONS	DATE

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CAD FILE NAME:
531–320_P2.3AWV.DWG

XREF FILE NAME:
531–320_30X42TLBK.DWG
531–320_67A3.DWG
531–320_67GRID.DWG

DRAWING TITLE
THIRD FLOOR PLAN
WASTE AND VENT
BASE BID

PROJECT TITLE
BOISE VAMC
BUILDING 67 EXPANSION

DATE 07/12/2013

PROJECT NO. 531–320

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

APPROVED: MEDICAL CENTER DIRECTOR

BUILDING NUMBER 67 | CHECKED SCH | DRAWN KMH

LOCATION VAMC BOISE, IDAHO

DRAWING NO. P2.3AWV

DWG 120 OF 191

DEPARTMENT OF VETERANS AFFAIRS

METRIC CONVERSION			
inch x 25.4 = mm			
INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
3/4	19.1	2-1/2	63.5
1	25.4	3	76.2
1-1/4"	31.8	4	101.6
1-1/2"	38.1	6	152.4

GENERAL NOTES:

A. ALL DEMOLITION OF PLUMBING SYSTEMS SHALL BE CLOSELY COORDINATED WITH THE CONTRACTORS PHASING OF THE PROJECT. VERIFY DEMOLITION OF PLUMBING PIPING WITH ALL TRADES PRIOR TO START OF DEMOLITION.

B. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

C. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING UBC, UPC, NFPA. PROVIDE PIPING EQUIPMENT AND MATERIALS IN ACCORDANCE WITH APPLICABLE PLUMBING CODE REGULATIONS AND STANDARDS, AUTHORITIES HAVING JURISDICTION, OR AS OTHERWISE RECOMMENDED OR DIRECTED BY MANUFACTURERS.

D. PROVIDE SEAL BETWEEN WALLS AND PLUMBING FIXTURES PER HEALTH DISTRICT REQUIREMENTS

E. COLD AND HOT WATER SUPPLY PIPING SIZES FOR FIXTURE CONNECTIONS ARE NOT SHOWN ON PLANS. SEE FIXTURE SCHEDULE FOR CONNECTION SIZES.

F. INSTALL ALL OVERHEAD PIPING AS CLOSE TO STRUCTURE AS POSSIBLE, OR AS DETAILED OTHERWISE.

G. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

H. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO STARTING. IN THE EVENT THAT CONFLICTS ARE FOUND WITH THE WORK OF THE OTHER TRADES, BRING ALL SUCH CONFLICTS TO THE ARCHITECT'S ATTENTION FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA. DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITIONS IN CONFLICT WITH THE PLANS.

I. COORDINATE INSTALLATION OF PIPING WITH STRUCTURAL COMPONENTS AND OTHER SYSTEM INSTALLATIONS.

J. COORDINATE ALL FIXTURES, EQUIPMENT AND ROUGH-IN CONNECTION LOCATIONS AND SIZES WITH ARCHITECTURAL DRAWINGS, OWNER AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.

K. PROVIDE SEISMIC RESTRAINTS FOR ALL PIPE AND EQUIPMENT AS RECOMMENDED IN SMACNA "SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL EQUIPMENT", LATEST EDITION.

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M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

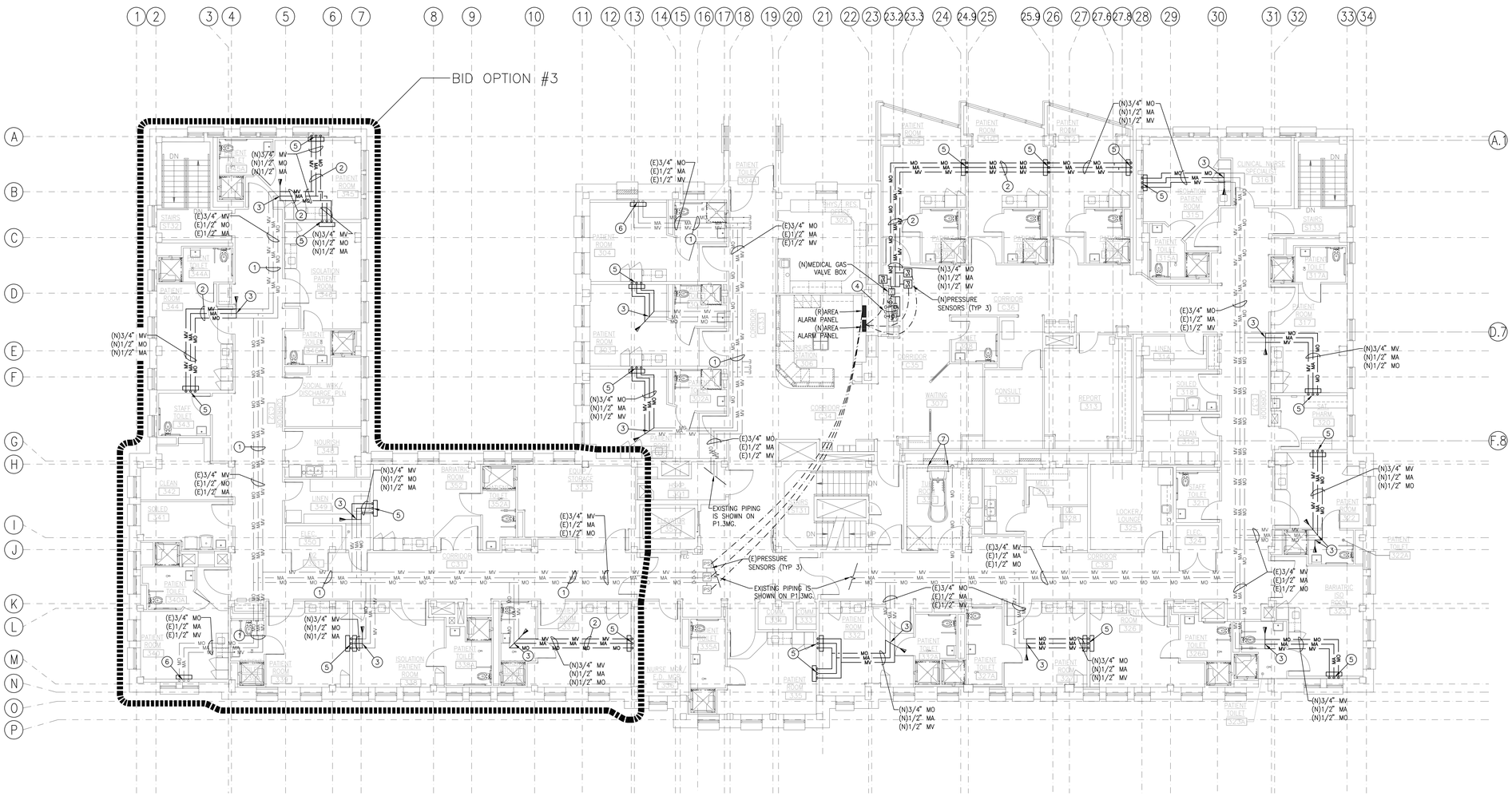
N. ALL NEW GAS VALVES SHALL BE LOCKED AND LABELED.

SHEET NOTES:

1. EXISTING PIPING IN CEILING SPACE TO REMAIN. VERIFY EXACT LOCATION AND ROUTING OF EXISTING PIPING IN FIELD PRIOR TO START OF WORK.
2. ROUTE NEW PIPING IN CEILING SPACE.
3. CONNECT NEW MEDICAL GAS PIPING TO EXISTING MEDICAL GAS PIPING IN CEILING SPACE. VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
4. ROUTE NEW MEDICAL GAS PIPING UP IN PIPE CHASE FROM BELOW TO ABOVE CEILING. RE: P2.1MG.
5. ROUTE NEW MEDICAL GAS PIPING DOWN IN WALL AND MAKE CONNECTION TO HEADWALL UNIT.
6. CONNECT EXISTING MEDICAL GAS PIPING TO NEW HEADWALL UNIT. VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
7. DROP MO PIPING DOWN AND MAKE CONNECTION TO OXYGEN OUTLETS.

LEGEND:

MA	(N)MEDICAL AIR		PIPE ELBOW UP
MO	(N)MEDICAL OXYGEN		PIPE ELBOW DOWN
MV	(N)MEDICAL VACUUM		PIPE TEE BRANCH UP WITH ELBOW)
MA	(E)MEDICAL AIR		PIPE TEE DOWN
MO	(E)MEDICAL OXYGEN		CAP
MV	(E)MEDICAL VACUUM		BALL VALVE
(E) (N)	CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK		GATE VALVE



THIRD FLOOR PLAN – 1 MEDICAL GAS

SCALE: 1/8" = 1'-0"

TRUE PLAN

REVISIONS	DATE

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CAD FILE NAME: 531-320_P2.3MG.DWG

XREF FILE NAME: 531-320_30X42TLBK.DWG 531-320_67A3.DWG 531-320_67GRID.DWG

DRAWING TITLE: THIRD FLOOR PLAN MEDICAL GAS	PROJECT TITLE: BOISE VAMC BUILDING 67 EXPANSION		DATE: 07/12/2013
			PROJECT NO.: 531-320
APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE	BUILDING NUMBER: 67	CHECKED: SCH / DRAWN: KMH	DRAWING NO.: P2.3MG
APPROVED: MEDICAL CENTER DIRECTOR	LOCATION: VAMC BOISE, IDAHO		DWG 121 OF 191

DEPARTMENT OF VETERANS AFFAIRS

METRIC CONVERSION			
inch x 25.4 = mm			
INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
3/4	19.1	2-1/2	63.5
1	25.4	3	76.2
1-1/4"	31.8	4	101.6
1-1/2"	38.1	6	152.4

GENERAL NOTES:

A. ALL DEMOLITION OF PLUMBING SYSTEMS SHALL BE CLOSELY COORDINATED WITH THE CONTRACTORS PHASING OF THE PROJECT. VERIFY DEMOLITION OF PLUMBING PIPING WITH ALL TRADES PRIOR TO START OF DEMOLITION.

B. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

C. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING UBC, UPC, NFPA. PROVIDE PIPING EQUIPMENT AND MATERIALS IN ACCORDANCE WITH APPLICABLE PLUMBING CODE REGULATIONS AND STANDARDS, AUTHORITIES HAVING JURISDICTION, OR AS OTHERWISE RECOMMENDED OR DIRECTED BY MANUFACTURERS.

D. PROVIDE SEAL BETWEEN WALLS AND PLUMBING FIXTURES PER HEALTH DISTRICT REQUIREMENTS

E. COLD AND HOT WATER SUPPLY PIPING SIZES FOR FIXTURE CONNECTIONS ARE NOT SHOWN ON PLANS. SEE FIXTURE SCHEDULE FOR CONNECTION SIZES.

F. INSTALL ALL OVERHEAD PIPING AS CLOSE TO STRUCTURE AS POSSIBLE, OR AS DETAILED OTHERWISE.

G. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

H. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO STARTING. IN THE EVENT THAT CONFLICTS ARE FOUND WITH THE WORK OF THE OTHER TRADES, BRING ALL SUCH CONFLICTS TO THE ARCHITECT'S ATTENTION FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA. DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITIONS IN CONFLICT WITH THE PLANS.

I. COORDINATE INSTALLATION OF PIPING WITH STRUCTURAL COMPONENTS AND OTHER SYSTEM INSTALLATIONS.

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L. ALL PIPING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. ALL WALLS IN WHICH WATER OR WASTE LINES ARE INSTALLED MUST BE PATCHED TO MATCH EXISTING AFTER LINES ARE INSTALLED.

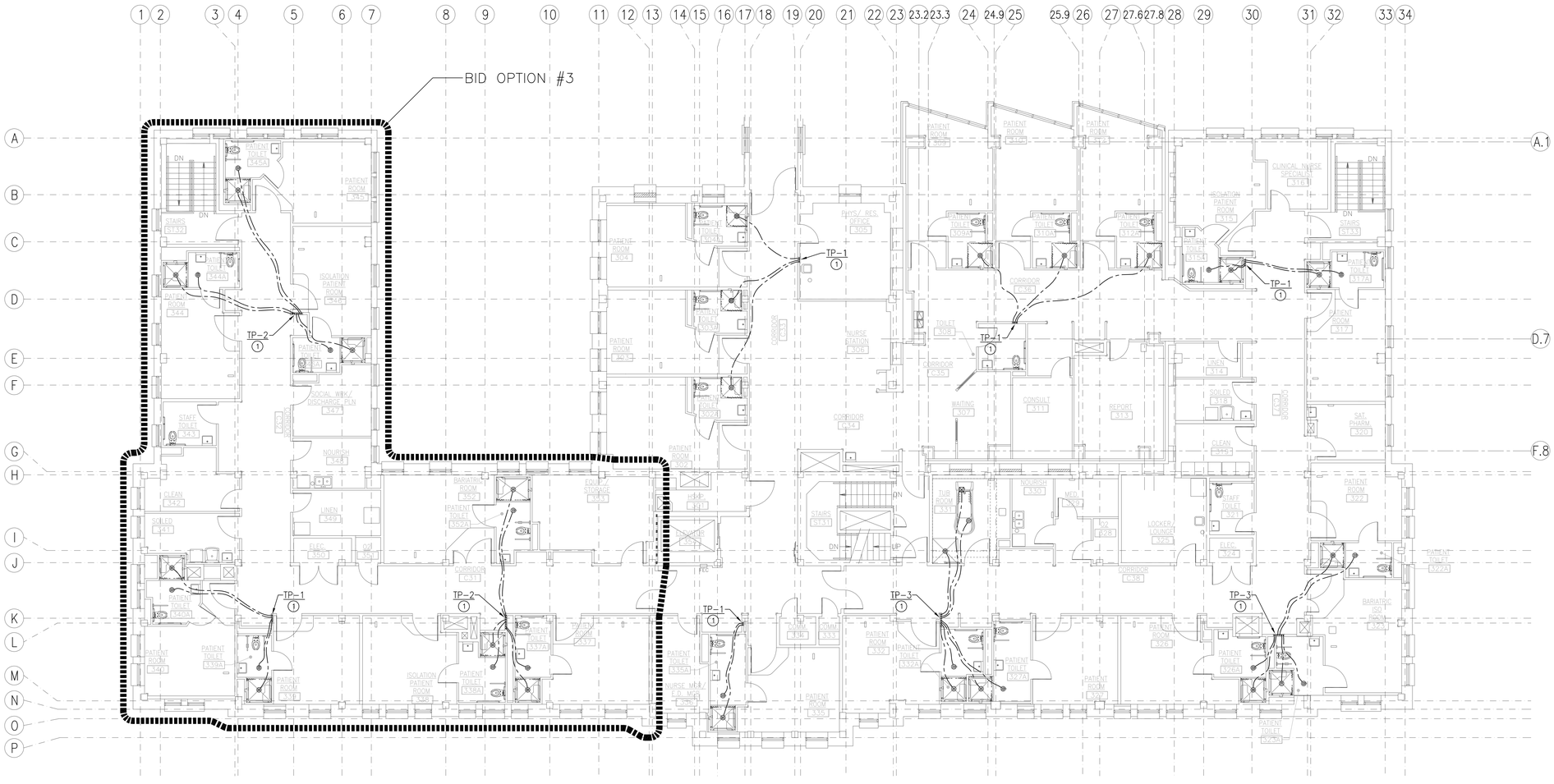
M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

SHEET NOTES:

1. EXTEND NEW 3/8" PEX TUBING INDEPENDENTLY FROM TRAP PRIMER MANIFOLD TO DRAIN TRAP. ROUTE PIPING BELOW FLOOR. COORDINATE ROUTING WITH ALL OTHER DISCPLINES, NEW AND EXISTING PIPING AND DUCTWORK.

LEGEND:

- SAN — (E)SANITARY SEWER
- V — (E)VENT
- SAN — (N)SANITARY SEWER
- V — (N)VENT
- SAN — CLEAN OUT OR WALL CLEAN OUT
- SAN — FLOOR DRAIN, ROUND
- SAN — FLOOR SINK
- (E) (N) — CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK
- PIPE ELBOW UP
- PIPE ELBOW DOWN
- PIPE TEE BRANCH UP WITH ELBOW)
- PIPE TEE DOWN
- CAP



TRUE PLAN

THIRD FLOOR PLAN – TRAP PRIMER PIPING

SCALE: 1/8" = 1'-0"

REVISIONS | DATE

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CAD FILE NAME: 531-320_P2.3TP.DWG

XREF FILE NAME: 531-320_30X42TLBK.DWG, 531-320_67A3.DWG, 531-320-67GRID.DWG

DRAWING TITLE: THIRD FLOOR PLAN TRAP PRIMER PIPING

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

APPROVED: MEDICAL CENTER DIRECTOR

PROJECT TITLE: BOISE VAMC BUILDING 67 EXPANSION

BUILDING NUMBER: 67 | CHECKED: SCH | DRAWN: KMH

LOCATION: VAMC BOISE, IDAHO

DATE: 07/12/2013

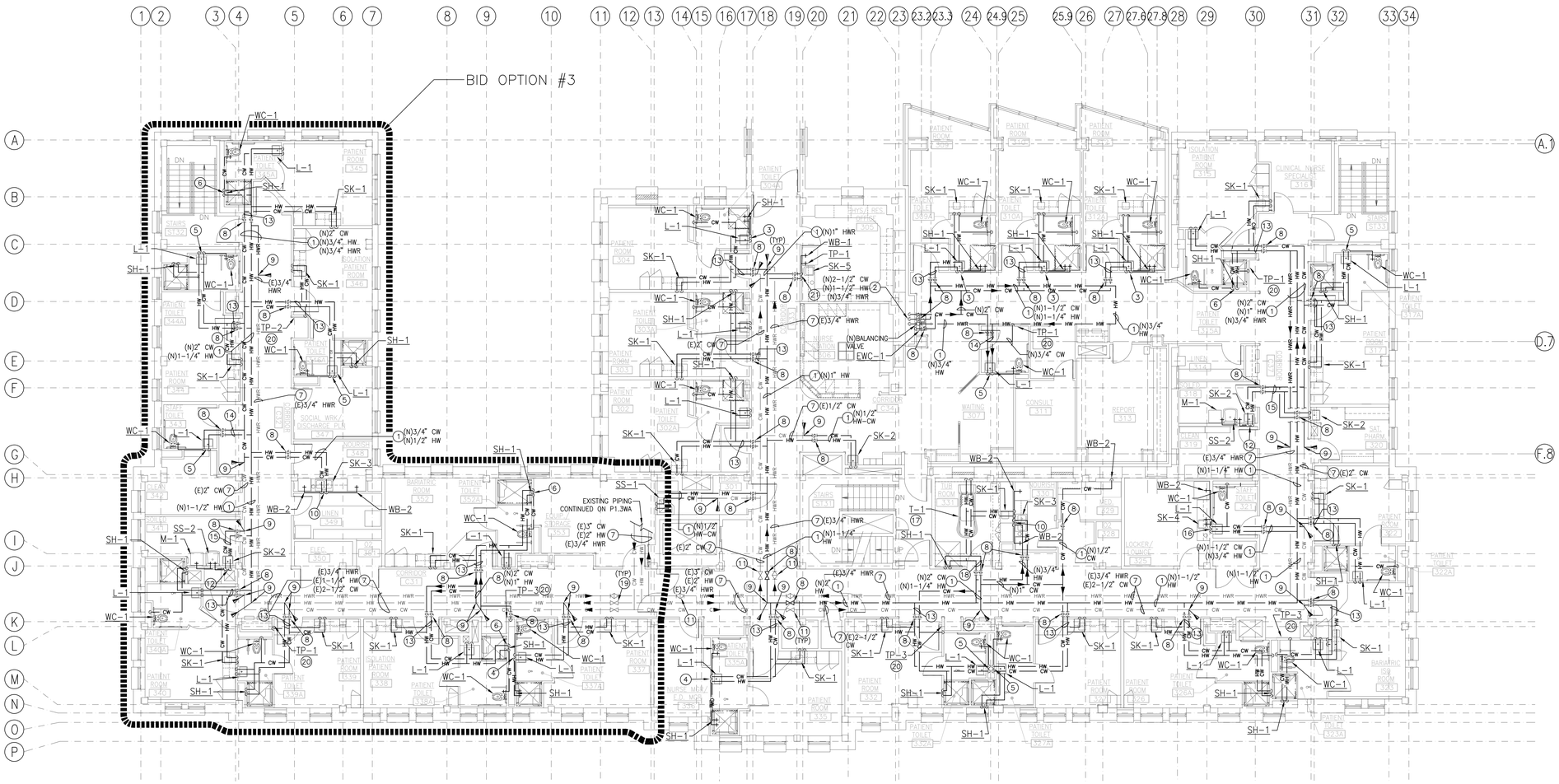
PROJECT NO.: 531-320

DRAWING NO.: P2.3TP

DWG 122 OF 191

DEPARTMENT OF VETERANS AFFAIRS

METRIC CONVERSION			
inch x 25.4 = mm			
INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
3/4	19.1	2-1/2	63.5
1	25.4	3	76.2
1-1/4"	31.8	4	101.6
1-1/2"	38.1	6	152.4



THIRD FLOOR PLAN – WATER

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. ALL DEMOLITION OF PLUMBING SYSTEMS SHALL BE CLOSELY COORDINATED WITH THE CONTRACTORS PHASING OF THE PROJECT. VERIFY DEMOLITION OF PLUMBING PIPING WITH ALL TRADES PRIOR TO START OF DEMOLITION.

B. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

C. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING UBC, UPC, NFPA. PROVIDE PIPING EQUIPMENT AND MATERIALS IN ACCORDANCE WITH APPLICABLE PLUMBING CODE REGULATIONS AND STANDARDS, AUTHORITIES HAVING JURISDICTION, OR AS OTHERWISE RECOMMENDED OR DIRECTED BY MANUFACTURERS.

D. PROVIDE SEAL BETWEEN WALLS AND PLUMBING FIXTURES PER HEALTH DISTRICT REQUIREMENTS

E. COLD AND HOT WATER SUPPLY PIPING SIZES FOR FIXTURE CONNECTIONS ARE NOT SHOWN ON PLANS. SEE FIXTURE SCHEDULE FOR CONNECTION SIZES.

F. INSTALL ALL OVERHEAD PIPING AS CLOSE TO STRUCTURE AS POSSIBLE, OR AS DETAILED OTHERWISE.

G. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

H. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO STARTING. IN THE EVENT THAT CONFLICTS ARE FOUND WITH THE WORK OF THE OTHER TRADES, BRING ALL SUCH CONFLICTS TO THE ARCHITECT'S ATTENTION FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA. DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITIONS IN CONFLICT WITH THE PLANS.

I. COORDINATE INSTALLATION OF PIPING WITH STRUCTURAL COMPONENTS AND OTHER SYSTEM INSTALLATIONS.

J. COORDINATE ALL FIXTURES, EQUIPMENT AND ROUGH–IN CONNECTION LOCATIONS AND SIZES WITH ARCHITECTURAL DRAWINGS, OWNER AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.

K. PROVIDE SEISMIC RESTRAINTS FOR ALL PIPE AND EQUIPMENT AS RECOMMENDED IN SMACNA "SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL EQUIPMENT", LATEST EDITION.

L. ALL PIPING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. ALL WALLS IN WHICH WATER OR WASTE LINES ARE INSTALLED MUST BE PATCHED TO MATCH EXISTING AFTER LINES ARE INSTALLED.

M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

N. PLUMBER SHALL VERIFY CONDITION OF ALL EXISTING SHUT–OFF AND BALANCING VALVES AND REPLACE WITH NEW AS NECESSARY. GATE VALVES SHALL BE REPLACED WITH BALL VALVES. INSTALL NEW BALL VALVE UPSTREAM OF BALANCING VALVE IF NONE EXISTS. ALL NEW AND EXISTING VALVES SHALL BE LABELED IN ACCORDANCE WITH VAMC STANDARDS.

SHEET NOTES:

1. ROUTE NEW PIPING IN CEILING SPACE.
2. ROUTE NEW WATER PIPING UP IN PIPE CHASE FROM BELOW FLOOR ABOVE. RE: P2.3WA.
3. NEW 3/4" HW–CW DOWN AND RUN IN WALL. CONNECT 1/2" HW–CW TO L–1 AND SH–1.
4. NEW 3/4" HW AND 1–1/2" CW DOWN AND RUN IN WALL. CONNECT 1/2" HW–CW TO L–1 AND SH–1, AND 1" CW TO WC–1.
5. NEW 1/2" HW AND 1" CW DOWN AND RUN IN WALL. CONNECT 1/2" HW–CW TO L–1 AND 1" CW TO WC–1.
6. NEW 1/2" HW AND 1" CW DOWN AND RUN IN WALL. CONNECT 1/2" HW–CW TO SH–1 AND 1" CW TO WC–1.
7. EXISTING PIPING IN CEILING SPACE TO REMAIN.
8. INSTALL NEW ISOLATION (BALL) VALVES IN NEW SUPPLY PIPING IN CEILING SPACE. PROVIDE ACCESS PANEL WITH VALVE NUMBER LABEL. ACCESS PANEL SHALL BE IN ACCORDANCE WITH VA STANDARDS FOR MENTAL HEALTH FACILITIES.
9. CONNECT NEW WATER PIPING TO EXISTING WATER PIPING IN CEILING, AT MAIN. CERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING IN FIELD PRIOR TO START OF WORK.
10. NEW 1/2" HW AND 3/4" CW DOWN AND RUN IN WALL. CONNECT 1/2" HW–CW TO SK–3 AND 1/2" CW TO EACH WB–2.
11. EXISTING VALVES TO REMAIN. VERIFY EXACT LOCATION IN FIELD PRIOR TO START OF WORK.
12. NEW 3/4" HW AND 1–1/2" CW DOWN AND RUN IN WALL. CONNECT 1/2" HW–CW TO SS–2 AND SK–2, AND 3/4" CW TO M–1.
13. ROUTE NEW 3/4" HW AND 1–1/2" CW SUPPLY LINES IN CEILING SPACE TO PATIENT TOILET ROOM AND EXAM SINK.
14. ROUTE NEW 1/2" HW AND 1" CW SUPPLY LINES IN CEILING SPACE TO TOILET ROOM.
15. ROUTE NEW 3/4" HW AND 1–1/2" CW SUPPLY LINES IN CEILING SPACE TO SOILED ROOM.
16. NEW 1/2" HW AND 3/4" CW DOWN AND RUN IN WALL. CONNECT 1/2" HW–CW TO L–1 AND SK–4, AND 1/2" CW TO WB–2.
17. NEW LOCATION OF EXISTING TUB.
18. ROUTE NEW 1–1/4" HW AND 2" CW SUPPLY LINES IN CEILING SPACE TO TUB ROOM.
19. PLUMBER SHALL VERIFY CONDITION OF ALL EXISTING SHUT–OFF AND BALANCING VALVES AND REPLACE WITH NEW AS NECESSARY. GATE VALVES SHALL BE REPLACED WITH BALL VALVES.
20. NEW 3/4" CW DOWN IN WALL AND MAKE CONNECTION TO TRAP PRIMER MANIFOLD WITH SHUT–OFF VALVE. SEE SHEET P2.3TP FOR TRAP PRIMER LINE ROUTING.
21. NEW 1/2" HW AND 3/4" CW DOWN AND RUN IN IN WALL. CONNECT 1/2" HW–CW TO SK–5, 1/2" CW TO WB–1 AND 3/4" CW TO TP–2 WITH SHUT–OFF VALVE. SEE SHEET P2.3TP FOR TRAP PRIMER LINE ROUTING.

LEGEND:

CW	(N)COLD WATER		PIPE ELBOW UP
HW	(N)HOT WATER		PIPE ELBOW DOWN
HWR	(N)HOT WATER RETURN		PIPE TEE BRANCH UP WITH ELBOW)
CW	(E)COLD WATER		PIPE TEE DOWN
HW	(E)HOT WATER		CAP
HWR	(E)HOT WATER RETURN		BALL VALVE
(E) (N)	CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK		GATE VALVE

REVISIONS | DATE

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CAD FILE NAME: 531–320_P2.3WA.DWG

XREF FILE NAME: 531–320_30X42TLBK.DWG, 531–320_67A3.DWG, 531–320_67GRID.DWG

DRAWING TITLE: THIRD FLOOR PLAN WATER

PROJECT TITLE: BOISE VAMC BUILDING 67 EXPANSION

DATE: 07/12/2013

PROJECT NO.: 531–320

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

APPROVED: MEDICAL CENTER DIRECTOR

BUILDING NUMBER: 67 | CHECKED: SCH | DRAWN: KMH

LOCATION: VAMC BOISE, IDAHO

DRAWING NO.: P2.3WA

DWG 123 OF 191

DEPARTMENT OF VETERANS AFFAIRS

METRIC CONVERSION			
inch x 25.4 = mm			
INCHES	MM	INCHES	MM
1/2	12.7	2	50.8
3/4	19.1	2-1/2	63.5
1	25.4	3	76.2
1-1/4"	31.8	4	101.6
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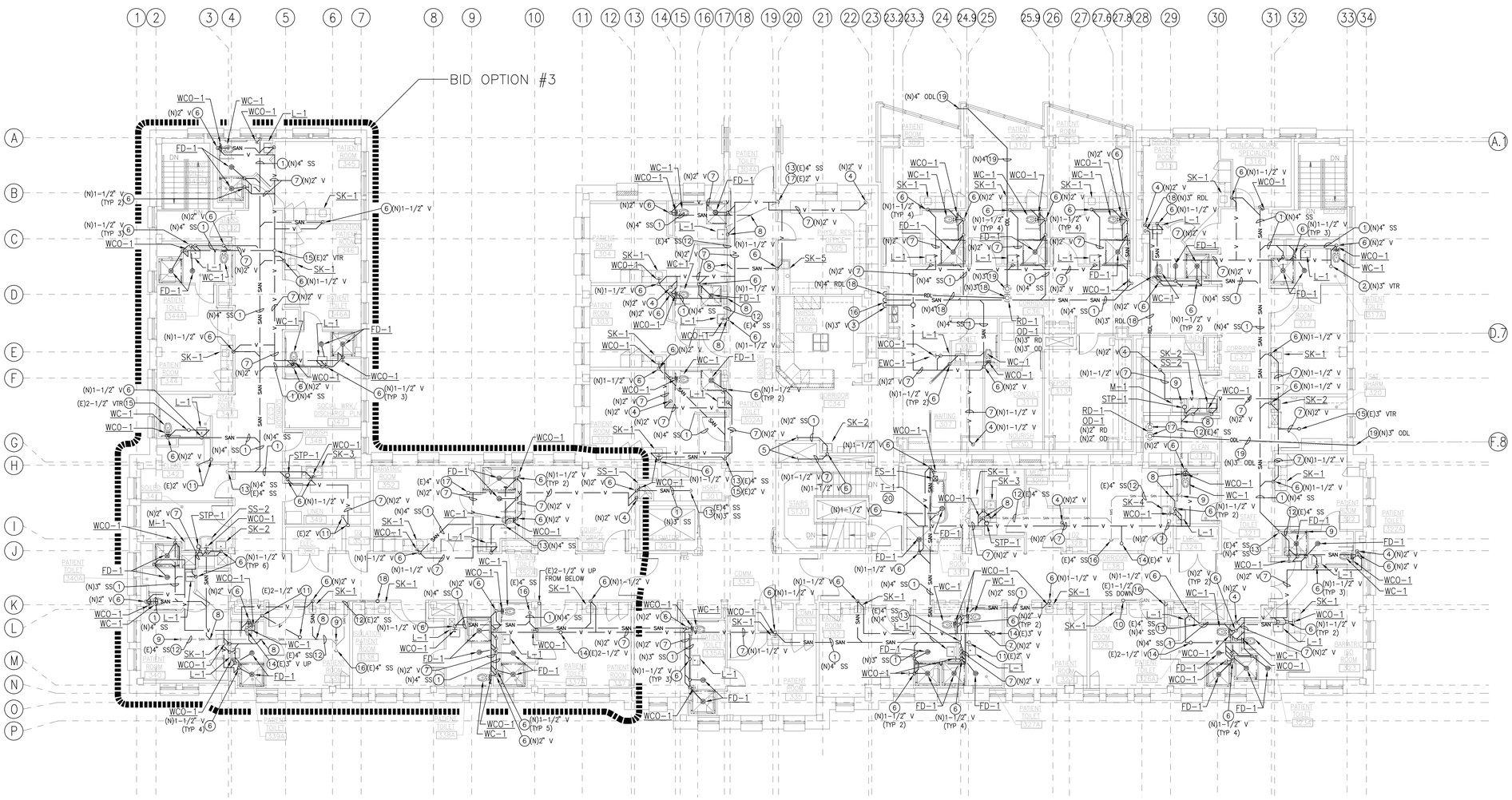

THIRD FLOOR PLAN – 1 WASTE AND VENT

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. ALL DEMOLITION OF PLUMBING SYSTEMS SHALL BE CLOSELY COORDINATED WITH THE CONTRACTORS PHASING OF THE PROJECT. VERIFY DEMOLITION OF PLUMBING PIPING WITH ALL TRADES PRIOR TO START OF DEMOLITION.

B. PRIOR TO BIDDING, OBTAIN A COPY OF THE SPECIFICATIONS AND PLANS, VISIT THE JOB SITE, TAKE NECESSARY MEASUREMENTS, NOTE EXISTING CONDITIONS, AND GATHER ALL OTHER INFORMATION NEEDED FOR AN ACCURATE BID. NO ALLOWANCES WILL BE MADE FOR EXTRA COSTS RESULTING FROM FAILURE TO NOTE EXISTING CONDITIONS.

C. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING UBC, UPC, NFPA. PROVIDE PIPING EQUIPMENT AND MATERIALS IN ACCORDANCE WITH APPLICABLE PLUMBING CODE REGULATIONS AND STANDARDS, AUTHORITIES HAVING JURISDICTION, OR AS OTHERWISE RECOMMENDED OR DIRECTED BY MANUFACTURERS.

D. PROVIDE SEAL BETWEEN WALLS AND PLUMBING FIXTURES PER HEALTH DISTRICT REQUIREMENTS

E. COLD AND HOT WATER SUPPLY PIPING SIZES FOR FIXTURE CONNECTIONS ARE NOT SHOWN ON PLANS. SEE FIXTURE SCHEDULE FOR CONNECTION SIZES.

F. INSTALL ALL OVERHEAD PIPING AS CLOSE TO STRUCTURE AS POSSIBLE, OR AS DETAILED OTHERWISE.

G. LOCATE AND LABEL ALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILINGS SHALL BE ACCESSIBLE THRU CEILING. SEE DRAWINGS FOR VALVE LOCATIONS.

H. COORDINATE INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO STARTING. IN THE EVENT THAT CONFLICTS ARE FOUND WITH THE WORK OF THE OTHER TRADES, BRING ALL SUCH CONFLICTS TO THE ARCHITECT'S ATTENTION FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA. DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS SHALL BE CORRECTED AT NO ADDITIONAL EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT OF CONDITIONS IN CONFLICT WITH THE PLANS.

I. COORDINATE INSTALLATION OF PIPING WITH STRUCTURAL COMPONENTS AND OTHER SYSTEM INSTALLATIONS.

J. COORDINATE ALL FIXTURES, EQUIPMENT AND ROUGH-IN CONNECTION LOCATIONS AND SIZES WITH ARCHITECTURAL DRAWINGS, OWNER AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.

K. PROVIDE SEISMIC RESTRAINTS FOR ALL PIPE AND EQUIPMENT AS RECOMMENDED IN SMACNA "SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL EQUIPMENT", LATEST EDITION.

L. ALL PIPING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. ALL WALLS IN WHICH WATER OR WASTE LINES ARE INSTALLED MUST BE PATCHED TO MATCH EXISTING AFTER LINES ARE INSTALLED.

M. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS.

SHEET NOTES:

1. NEW SANITARY SEWER PIPING BELOW FLOOR.
2. NEW VENT THROUGH ROOF WITH PRE-FABRICATED PENETRATION BOOT ASSEMBLY. LOCATE 10'-0" MINIMUM FROM ANY AIR INTAKE.
3. NEW 3" VENT RISER UP FROM BELOW FLOOR TO ABOVE.
4. NEW VENT LINE UP IN WALL FROM BELOW. RISE UP IN WALL TO ABOVE CEILING.
5. CONNECT NEW SANITARY AND VENT PIPING TO EXISTING LINE SERVING DRINKING FOUNTAIN BEING REMOVED. VERIFY EXACT LOCATION OF EXISTING PIPING AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
6. NEW VENT PIPING UP IN WALL TO ABOVE CEILING.
7. ROUTE NEW VENT PIPING ABOVE CEILING. VERIFY LOCATION OF EXISTING VENT SYSTEM AND VTR AND MAKE CONNECTION.
8. CONNECT NEW SANITARY LINE TO EXISTING SANITARY LINE BELOW FLOOR. VERIFY EXACT LOCATION OF EXISTING PIPING AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
9. EXISTING CLEANOUT PLUG TO REMAIN.
10. CONNECT NEW SINK TO EXISTING SANITARY SEWER AND VENT PIPING FROM DEMO'D SINK. VERIFY EXACT LOCATION OF EXISTING PIPING AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
11. RE-ROUTE EXISTING VENT PIPING BELOW FLOOR TO NEW WALL AND RISE UP TO ABOVE CEILING. ROUTE PIPING ABOVE CEILING AND CONNECT TO EXISTING VENT SYSTEM. VERIFY EXACT LOCATION OF EXISTING PIPING AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
12. EXISTING SANITARY PIPING BELOW FLOOR TO REMAIN.
13. CONNECT NEW SANITARY LINE TO EXISTING SANITARY LINE DOWN TO BELOW. VERIFY EXACT LOCATIION OF EXISTING RISER AND CONNECTION REQUIREMENTS IN FIELD PRIOR TO START OF WORK.
14. ROUTE NEW VENT PIPING ABOVE CEILING AND MAKE CONNECTION TO EXISTING VENT UP INTO ATTIC SPACE.
15. ROUTE NEW VENT PIPING ABOVE CEILING AND MAKE CONNECTION TO EXISTING VENT THROUGH ROOF.
16. NEW 4" SANITARY SEWER UP FROM BELOW.
17. NEW 3" RDL AND 3" ODL UP TO 3" RD-1 AND 3" OD-1 ON ROOF.
18. ROUTE NEW ROOF DRAIN LEADER LINE HORIZONTALLY IN CEILING SPACE AND DROP DOWN TO BELOW. RE: P2.2WV.
19. ROUTE NEW OVERFLOW DRAIN LEADER HORIZONTALLY IN CEILING SPACE TO EXTERIOR WALL. DAYLIGHT THRU WALL.
20. NEW LOCATION OF EXISTING HYDRO-TUB. VERIFY CONNECTION REQUIREMENTS IN FIELD.

LEGEND:

- SAN — (E)SANITARY SEWER
- V — (E)VENT
- SAN — (N)SANITARY SEWER
- V — (N)VENT
- SAN — CLEAN OUT OR WALL CLEAN OUT
- SAN — FLOOR DRAIN, ROUND
- SAN — FLOOR SINK
- RDL — (N)ROOF DRAIN LEADER
- ODL — (N)OVERFLOW DRAIN LEADER
- (E) (N) — CONNECT NEW TO EXISTING SHADED SIDE IS NEW WORK
- PIPE ELBOW UP
- PIPE ELBOW DOWN
- PIPE TEE BRANCH UP WITH ELBOW)
- PIPE TEE DOWN
- CAP

REVISIONS	DATE

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DRAWING TITLE: THIRD FLOOR PLAN WASTE AND VENT

PROJECT TITLE: BOISE VAMC BUILDING 67 EXPANSION

DATE: 07/12/2013

PROJECT NO. 531-320

APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE

APPROVED: MEDICAL CENTER DIRECTOR

BUILDING NUMBER	CHECKED	DRAWN
67	SCH	KMH

LOCATION: VAMC BOISE, IDAHO

DRAWING NO. P2.3WV

DWG 124 OF 191

DEPARTMENT OF VETERANS AFFAIRS