GENERAL NOTES

A. OF ALL PLUMBING FIXTURES. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON THE ARCHITECTURAL ELEVATION VIEWS. ALL PIPING IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED UNDER THE ARCHITECTURAL SPECIFICATION. THE RATING OF THE DN 3" FIRE PUMP PIPING SHALL BE LABELED PERMANENTLY AND VISIBLE ON THE GRID CROSS SECTIONS. VALVES IN CEILING SPACE SHALL MOUNT INSTALLED MINIMUM 2'-6" ABOVE FINISHED FLOOR. INSTALL PIPE CLOSE TO SIDES OF CHASE TO ALLOW ACCESS BY MAINTENANCE PERSONNEL. PIPE LOCATIONS HAVE BEEN DRAWN IN ACCORDANCE WITH CONSTRUCTION AND WITH OTHER TRADES SHALL BE NECESSARY TO PROVIDE CEILING INDICATORS FOR ISOLATION VALVES AND 2" VALVES THAT ARE LOCATED ABOVE LAY-IN CEILINGS. VALVES IN CEILING SPACE SHALL MOUNT INSTALLED MINIMUM 2'-6" ABOVE FINISHED FLOOR. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN PROPER EQUIPMENT ACCESS AND SERVICEABILITY.

B. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATIONS. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN PROPER EQUIPMENT ACCESS AND SERVICEABILITY.

C. UNDER THE ARCHITECTURAL SPECIFICATION. THE RATING OF THE DN 3" FIRE PUMP PIPING SHALL BE LABELED PERMANENTLY AND VISIBLE ON THE GRID CROSS SECTIONS. VALVES IN CEILING SPACE SHALL MOUNT INSTALLED MINIMUM 2'-6" ABOVE FINISHED FLOOR. INSTALL PIPE CLOSE TO SIDES OF CHASE TO ALLOW ACCESS BY MAINTENANCE PERSONNEL. PIPE LOCATIONS HAVE BEEN DRAWN IN ACCORDANCE WITH CONSTRUCTION AND WITH OTHER TRADES SHALL BE NECESSARY TO PROVIDE CEILING INDICATORS FOR ISOLATION VALVES AND 2" VALVES THAT ARE LOCATED ABOVE LAY-IN CEILINGS. VALVES IN CEILING SPACE SHALL MOUNT INSTALLED MINIMUM 2'-6" ABOVE FINISHED FLOOR. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN PROPER EQUIPMENT ACCESS AND SERVICEABILITY.

D. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATIONS. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN PROPER EQUIPMENT ACCESS AND SERVICEABILITY.
GENERAL NOTES

A. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND HEIGHT OF ALL PLUMBING FIXTURES. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON THE ARCHITECTURAL ELEVATION.

B. PROVIDE ACCESS DOORS IN INACCESSIBLE CEILINGS AND CHASES FOR ALL VALVES, TRAPS, CLEANOUTS, ETC. PROVIDE COORDINATION DRAWINGS.

C. UNDER THE ARCHITECTURAL SPECIFICATION, THE RATING OF THE DOOR SHALL MATCH CLASSIFICATION OF WALL AND CEILING FIRE RATED AND/OR SMOKE RATED WALLS AND ASSEMBLIES.

D. OTHER VALVES THAT ARE LOCATED ABOVE LAY-IN CEILINGS. VALVES IN CEILING SPACE SHALL MOUNT INSTALLED MINIMUM 9'-0" ABOVE FINISHED FLOOR.

E. COORDINATE ALL PLUMBING PIPING WITH GENERAL CONTRACTOR AND ALL OTHER TRADES BEFORE INSTALLATION OR MAKE-UP PIPE. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS.

F. EXISTING EQUIPMENT. REFER TO EXISTING EQUIPMENT ASSEMBLY MATRIX ON SHEET P-801 FOR EQUIPMENT INFORMATION.

G. PROVIDE DOUBLE CLEANOUTS TO GRADE IN ACCORDANCE WITH SERVICE.

H. REFER TO SITE UTILITY SHEET PS-101 FOR CONTINUATION OF SERVICE.
WASTE & VENT SECOND FLOOR PLAN - NORTHWEST

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

KEYNOTES

1. Water lines shall be large enough to accommodate fire flows.
2. Fire lines shall be separated from other utility lines by at least 18".
3. All fire lines shall be labeled permanently and visible on the grid system.
4. Fire valves that are located above lay-in ceilings shall be labeled permanently and visible on the grid system.
5. Fire valves in ceiling space shall mount installed minimally 1'-0" below the ceiling grid.
6. Piping penetrations of fire, smoke, and full-height walls shall be sealed airtight to the adjacent structure by means of the appropriate sealant.

ARCHITECTURE • INTERIORS • PLANNING

SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND HEIGHTS MOUNTED AT HEIGHTS SHOWN ON THE ARCHITECTURAL ELEVATION VIEWS.

B. NOTED ON THIS SHEET.

C. DOORS SHALL BE FINISHED UNDER DIVISION 22 AND INSTALLED OF THE CLASSIFICATION OF WALL AND CEILING.

D. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION OF FIRE RATED AND/OR SMOKE RATED WALLS AND ASSEMBLIES.

E. PENETRATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS SHALL BE CALKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS.

F. OTHER VALVES THAT ARE LOCATED ABOVE LAY-IN CEILINGS. VALVES SHALL BE LABELED PERMENENTLY AND VISIBLE ON THE GRID CROSS.

Piping Consultants

CIVIL ENGINEER

STUBBS ENGINEERING, INC.

Las Cruces, NM 88011

Phone 575-993-5228

STRUCTURAL ENGINEER

BRIDGERS & Paxton Consulting Engineers

Albuquerque, NM 87109

Phone 505-883-4111

MECHANICAL/ELECTRICAL/PLUMBING

New Mexico State University

Jett Hall and Jett Annex Renovations and Additions

Construction Documents

KEY PLAN

Scale: 1/8" = 1'-0"
A. See architectural drawings for exact location and heights of all plumbing fixtures. Plumbing fixtures shall be E301 rated. Provide access doors in inaccessible ceilings and 2" V-chases for all valves, traps, cleanouts, etc. Accessories shall be under the architectural specification. The rating of the 2" V-trap shall be E301 rated. 3" San piping shall be caulked airtight to the adjacent structure by means of U.L. laboratory consultant Scale: 1/8" = 1'-0". 3" SAN Piping is to be provided. Provide ceiling indicators for isolation valves and other equipment. Provide necessary offsets to avoid conflicts and to maintain proper equipment access and serviceability. Provide access doors in inaccessible ceilings and 2" V-chases for all valves, traps, cleanouts, etc. Provide necessary offsets to avoid conflicts and to maintain proper equipment access and serviceability. Provide ceiling indicators for isolation valves and other equipment. 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1. Connect new 3" domestic water service to existing domestic water service in approximate location, provide isolation valve on new domestic water service line. Route pipe in tunnel.

3. Route pipe in ceiling space.

5. 1" make-up water to mechanical units.

6. Existing equipment. Refer to existing equipment assembly.

7. Provide ball valve and cap for future.

New Mexico State University
Jett Hall and Jett Annex Renovations and Additions

Construction Documents
A. PROVIDE ACCESS DOORS IN INACCESSIBLE CEILINGS AND OR CHASES FOR ALL VALVES, TRAPS, CLEANOUTS, ETC. ACCESS DOORS SHALL BE FUNISHED UNDER DIVISION 22 AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATION. THE RATING OF THE DOOR SHALL MATCH CLASSIFICATION OF WALL AND CEILING FIRE PENETRATIONS.

B. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION OF PIPING FIXTURES.

C. PROVIDE CEILING INDICATORS FOR ISOLATION VALVES AND VALVES THAT ARE LOCATED ABOVE LAY-IN CEILINGS. VALVES ABOVE FINISHED FLOOR.

D. PROVIDE offsets to AVOID CONFLICTS AND TO MAINTAIN PROPER EQUIPMENT ACCESS AND SERVICEABILITY.

E. INSTALL BALL VALVE AND CIRCUIT SETTER SET TO GPM.

F. PROVIDE WATER METER FOR EACH BUILDING.

G. PROVIDE DCW AND DHW FOR EACH BUILDING.

H. PROVIDE PILOT LIGHTS FOR EACH BUILDING.

I. PROVIDE PROPER VENTING FOR EACH BUILDING.

J. PROVIDE APPROPRIATE SIZING FOR EACH BUILDING.

K. PROVIDE PROPER LOCATION FOR EACH BUILDING.

L. PROVIDE PROPER MATERIALS FOR EACH BUILDING.

M. PROVIDE PROPER CONNECTIONS FOR EACH BUILDING.

N. PROVIDE PROPER LABELING FOR EACH BUILDING.
A. OF ALL PLUMBING FIXTURES. PLUMBING FIXTURES SHALL
B. PROVISIONS FOR INSTALLATION OF STEAM TURBINES.
C. PROVIDE ACCESS DOORS IN INACCESSIBLE CEILINGS AND OR
D. ON OF FIRE RATED AND/OR SMOKE RATED WALLS AND ASSEMBLIES.
E. PROVIDE CEILING INDICATORS FOR ISOLATION VALVES AND
F. ABOVE FINISHED FLOOR.
G. MAINTENANCE PERSONNEL. PIPE LOCATIONS HAVE BEEN DR
H. FOR CLARITY AND DO NOT NECESSARILY REFLECT THE SPEC
I. 1/8" = 1'-0"
J. 1/8" = 1'-0"

NEW MEXICO STATE UNIVERSITY
JETT HALL AND JETT ANNEX RENOVATIONS AND ADDITIONS

CONSTRUCTION DOCUMENTS

G105 - RJP - 20150909

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PP-103A / PP-103B

A1 | PRESSURE PIPING FIRST FLOOR PLAN - WEST WING
A2 | PRESSURE PIPING FIRST FLOOR PLAN - ANNEX
A3 | PRESSURE PIPING FIRST FLOOR PLAN - EAST WING

KEYNOTES
1. BUILDING PERMANENT PLUMBING SYSTEMS IN RED.
2. BUILDING TEMPORARY PLUMBING SYSTEMS IN BLUE.
3. BUILDING OUTLINES OF BUILDING ELEMENTS IN BLACK.
4. BUILDING OUTLINES OF ACCESSORIES IN BLACK.
5. PROVIDE BLUEPRINTS OF LAYERS/STEPS FOR REVIT PROJECT.
A. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES. PLUMBING FIXTURES SHALL BE MOUNTED AT HEIGHTS SHOWN ON THE ARCHITECTURAL ELEVATIONS.

B. CEILING IN FURRED CHASES OR SUSPENDED CEILINGS UNLESS OTHERWISE SPECIFIED.

C. PROVIDE ACCESS DOORS IN INACCESSIBLE CEILINGS AND OTHER WAYS.

DOORS SHALL BE FINISHED UNDER DIVISION 22 AND INSTALLED PERMANENTLY AND VISIBLE ON THE GRID CORD.

THAT SHALL MATCH CLASSIFICATION OF WALL AND CEILING RATING.

D. FIRE RATED AND/OR SMOKE RATED WALLS AND ASSEMBLIES. CONSULTANTS PENETRATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. LABORATORY CONSULTANT.

COORDINATE ALL PLUMBING PIPING WITH GENERAL CONTRACTOR AND ALL OTHER TRADES BEFORE INSTALLATION OR MAKE-UP.

E. OTHER VALVES THAT ARE LOCATED ABOVE LAY-IN CEILINGS. VALVES IN CEILING SPACE SHALL MOUNT INSTALLED MINIMUM ABOVE FINISHED FLOOR.

F. ROUTE PIPE IN CEILING SPACE TIGHT TO STRUCTURE.

G. WITH OTHER TRADES SHALL BE NECESSARY PRIOR TO INSTALLATION.

H. MAINTAIN PROPER EQUIPMENT ACCESS AND SERVICEABILITY.
A. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES. PLUMBING FIXTURES SHALL MOUNTED AT HEIGHTS SHOWN ON THE ARCHITECTURAL ELEVATIONS.

B. E301 NOTED ON THIS SHEET.

C. R-PENTHOUSE CHASES FOR ALL VALVES, TRAPS, CLEANOUTS, ETC. DOORS SHALL BE FURNISHED UNDER DIVISION 22 AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATION. THE RATING OF THE DOOR SHALL MATCH CLASSIFICATION OF WALL AND CEILING FIRE RATING.

D. PIPING PENETRATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS SHALL BE LABELED PERMANENTLY AND VISIBLE ON THE GRID. VALVES IN CEILING SPACE SHALL MOUNT INSTALLED MINIMUM 24 INCHES ABOVE FINISHED FLOOR.

E. PROVIDE BALL VALVE AND CAP FOR FUTURE. PROVIDE COORDINATION DRAWINGS.

F. OTHER VENTS SHALL BE LABELED PERMANENTLY AND VISIBLE ON THE GRID. ABOVE FINISHED FLOOR.

G. MAINTENANCE PERSONNEL. PIPE LOCATIONS HAVE BEEN DRAWN FOR CLARITY AND DO NOT NECESSARILY REFLECT THE SPECIFIED LOCATIONS OF THE PIPE. FIELD COORDINATION DURING CONSTRUCTION AND WITH OTHER TRADES SHALL BE NECESSARY.
A. OF ALL PLUMBING FIXTURES. PLUMBING FIXTURES SHALL BE VIEWS.

B. ALL PIPING IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR SUSPENDED CEILINGS UNLESS OTHERWISE NOTED ON THIS SHEET.

C. PROVIDE ACCESS DOORS IN INACCESSIBLE CEILINGS AND CHASES FOR ALL VALVES, TRAPS, CLEANOUTS, ETC. ACCESS DOORS SHALL BE FUNISHED UNDER DIVISION 22 AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATION. THE RATING OF THE DOOR SHALL MATCH CLASSIFICATION OF WALL AND CEILING FIRE RATING.

D. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION OF FIRE RATED AND/OR SMOKE RATED WALLS AND ASSEMBLIES. PENETRATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L LABORATORY APPROVED FIRE PROOF CAULK.

E. COORDINATE ALL PLUMBING PIPING WITH GENERAL CONTRACTOR OF PIPE. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN PROPER EQUIPMENT ACCESS AND SERVICEABILITY. PROVIDE COORDINATION DRAWINGS.

F. VALVES THAT ARE LOCATED ABOVE LAY-IN CEILINGS. VALVES BE LABELED PERMANENTLY AND VISIBLE ON THE GRID CSBARK. THERMAL SCIENCE LAB

GENRAL NOTES

1. ROUTE PIPE IN CEILING SPACE.

2. New Mexico State University

3. PROCESS GASES PLAN - BASEMENT

4. PROCESS GASES PLAN - BASEMENT MECHANICAL

5. Scale: 1/8" = 1'-0"
**GENERAL NOTES**

1. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND HEIGHTS OF ALL PLUMBING FIXTURES. PLUMBING FIXTURES SHALL BE CEILED IN FURRED CHASES OR SUSPENDED CEILINGS UNLESS OTHERWISE PROVIDED.

2. ACCESS DOORS SHALL BE FINISHED UNDER DIVISION 22 AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATION. THE RATING DOOR SHALL MATCH CLASSIFICATION OF WALL AND CEILING RATING.

3. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION OF Duct PIPING PENETRATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. RATED FIRESTOPS.

4. COORDINATE ALL PLUMBING PIPING WITH GENERAL CONTRACTOR AND ALL OTHER TRADES BEFORE INSTALLATION OR MAKE-UP PIPE. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN PROPER EQUIPMENT ACCESS AND SERVICEABILITY.

5. OTHER KEYNOTES:
   - VALVES IN CEILING SPACE SHALL MOUNT INSTALLED MINIMUM 9'-0" ABOVE FINISHED FLOOR.
   - INSTALL PIPE CLOSE TO SIDES OF CHASE TO ALLOW ACCESS FOR CLARITY AND DO NOT NECESSARILY REFLECT THE SPECIFIED LOCATIONS OF THE PIPE. FIELD COORDINATION DURING CONSTRUCTION AND WITH OTHER TRADES SHALL BE NECESSARY PRIOR TO INSTALLATION.
GENERAL NOTES

A. EIGHTS MOUNTED AT HEIGHTS SHOWN ON THE ARCHITECTURAL ELEVATION

B. NOTED ON THIS SHEET. PROVIDE ACCESS DOORS IN INACCESSIBLE CEILINGS AND OSS

C. 2428 Baylor Dr SE Albuquerque, NM 87106

D. DOORS SHALL BE FINISHED UNDER DIVISION 22 AND INSTALLED OF THE

E. DOOR SHALL MATCH CLASSIFICATION OF WALL AND CEILING

F. FIRE RATING.

G. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION OF

H. CONSULTANTS

I. CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS AND ALL OTHER TRADES BEFORE INSTALLATION OR MAKE-UP PIPE. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO.

J. PROVIDE COORDINATION DRAWINGS.

K. PROVIDE CEILING INDICATORS FOR ISOLATION VALVES AND

L. VES SHALL MOUNT INSTALLED MINIM 9'-0" ABOVE FINISHED FLOOR.

M. MAINTENANCE PERSONNEL. PIPE LOCATIONS HAVE BEEN DR

N. FIELD COORDINATION DURING LOCATIONS OF THE PIPE. FIELD COORDINATION DURING

O. PROVIDE COORDINATION DRAWINGS.

P. PROVIDE CEILING INDICATORS FOR ISOLATION VALVES AND

Q. VALVES IN CEILING SPACE SHALL MOUNT INSTALLED MINIM 9'-0" ABOVE FINISHED FLOOR.

R. MAINTENANCE PERSONNEL. PIPE LOCATIONS HAVE BEEN DR

S. FIELD COORDINATION DURING LOCATIONS OF THE PIPE. FIELD COORDINATION DURING

T. PROVIDE COORDINATION DRAWINGS.

U. PROVIDE CEILING INDICATORS FOR ISOLATION VALVES AND

V. VALVES IN CEILING SPACE SHALL MOUNT INSTALLED MINIM 9'-0" ABOVE FINISHED FLOOR.

W. MAINTENANCE PERSONNEL. PIPE LOCATIONS HAVE BEEN DR

X. FIELD COORDINATION DURING LOCATIONS OF THE PIPE. FIELD COORDINATION DURING

Y. PROVIDE COORDINATION DRAWINGS.
**GENERAL NOTES**

1. **SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND HEIGHTS**. Be mounted at heights shown on the architectural elevation views.

2. **ALL PIPING IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR SUSPENDED CEILINGS UNLESS OTHERWISE NOTED ON THIS SHEET.**

3. **PROVIDE ACCESS DOORS IN INACCESSIBLE CEILINGS AND OR CHASES FOR ALL VALVES, TRAPS, CLEANOUTS, ETC. ACCESS.**

4. **REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION OF FIRE RATED AND/OR SMOKE RATED WALLS AND ASSEMBLIES.**

5. **INSTALL PIPE CLOSE TO SIDES OF CHASE TO ALLOW ACCESS BY MAINTENANCE PERSONNEL. PIPE LOCATIONS HAVE BEEN DRAWN.**

6. **ROUTE PIPE IN CEILING SPACE TIGHT TO STRUCTURE.**

7. **PROVIDE BALL VALVE AND CAP FOR FUTURE.**

8. **VALVES IN CEILING SPACE SHALL MOUNT INSTALLED MINIMUM 9'-0" ABOVE FINISHED FLOOR.**

9. **INSTALL PIPE CLOSE TO SIDE OF CHASE TO ALLOW ACCESS BY MAINTENANCE PERSONNEL. PIPE LOCATIONS HAVE BEEN DRAWN.**

10. **COORDINATE ALL PLUMBING PIPING WITH GENERAL CONTRACTOR AND ALL OTHER TRADES BEFORE INSTALLATION OR MAKE-UP OF PIPE. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN PROPER EQUIPMENT ACCESS AND SERVICEABILITY. PROVIDE COORDINATION DRAWINGS.**

11. **REFERENCE TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATION OF FIRE, SMOKE AND FULL HEIGHT WALLS. WALLS AND ASSEMBLIES.**

12. **PENETRATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS SHALL BE CAULKED AIRTIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. RATED MATERIAL.**

13. **THE RATING OF THE DOOR SHALL MATCH CLASSIFICATION OF WALL AND CEILING.**

14. **COORDINATE ALL PLUMBING PIPING WITH GENERAL CONTRACTOR AND ALL OTHER TRADES BEFORE INSTALLATION OR MAKE-UP OF PIPE. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN PROPER EQUIPMENT ACCESS AND SERVICEABILITY. PROVIDE COORDINATION DRAWINGS.**

15. **CONSULTANTS:**

- **Bridgers & Paxton Consulting Engineers**
- **Civil Engineer**
- **Structural Engineer**

16. **VAN H. GILBERT ARCHITECT PC**

- **ARCHITECTURE • INTERIORS • PLANNING**
- **PHONE 505-247-9955  FAX 505-247-1826**
- **E-MAIL info@vhgarchitect.com**
- **WEB SITE www.vhgarchitect.com**
**KEYNOTES**

A. 1. 2" DCW DOWN IN PLUMBING CHASE TO WATER CLOSET. ROUTE OF ALL PLUMBING FIXTURES. PLUMBING FIXTURES SHALL DCW MOUNTED AT HEIGHTS SHOWN ON THE ARCHITECTURAL ELEVATION.

2. 1" DCW/1" DHW DOWN IN WALL TO LAVATORIES. ROUTE 1/2" DCW AND 1/2" DHW TO EACH LAVATORIES.

3. 3/4 DCW AND 3/4" DHW DOWN IN WALL TO MOP SINK. FURRED CHASES OR SUSPENDED CEILINGS UNLESS OTHERWISE NOTED ON THIS SHEET. 3/4 DCW TO EACH URINAL, AND 1" DCW TO EACH WATER CLOSET.

4. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN PROPER EQUIPMENT ACCESS AND SERVICEABILITY.

5. INSTALL PIPE CLOSE TO SIDES OF CHASE TO ALLOW ACCESS TO MAINTENANCE PERSONNEL. PIPE LOCATIONS HAVE BEEN DRAWN FOR CLARITY AND DO NOT NECESSARILY REFLECT THE SPECIFIC PIPING.

**GENERAL NOTES**

1. CONSTRUCTION AND WITH OTHER TRADES SHALL BE NECESSARY.

2. PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS.

3. PROVIDE COORDINATION DRAWINGS.

4. VALVES THAT ARE LOCATED ABOVE LAY-IN CEILINGS. VALVES IN CEILING SPACE SHALL MOUNT INSTALLED MINIMUM 9'-0" ABOVE FINISHED FLOOR.

5. VALVES SHALL BE BAR.

6. CHASES FOR ALL VALVES, TRAPS, CLEANOUTS, ETC. ACCORDING TO THE ARCHITECTURAL SPECIFICATION. THE RATING OF THE DOOR SHALL MATCH CLASSIFICATION OF WALL AND CEILING FIRE E.

7. OPENING PENETRATIONS OF FIRE, SMOKE AND FULL HEIGHT WALLS OF U.L. APPROVED FIRE PROOF CAULK.

8. SCREW MOUNTED TO STUDS AND WITH 1" MINIMUM CLEARANCE OF PLUMBING FIXTURES.
PLUMBING FIXTURE SPECIFICATIONS

NAME: SERVICE AIR PLANT

DESCRIPTION: PRESSURE SWITCH FOR STOP-START CONTROL. SPIN ON OIL FILTER, RATED AT 1.5 GPM, CHROME PLATED FINISH, CAST BRASS. BASIS OF DESIGN: CHICAGO SUPPLIES. 1/2"x3/8" LOOSE KEY 1/4 TURN STOPS WITH 3/4" IPS ANGLE STOP.

NAME: SERVICE SINK

DESCRIPTION: TWO (2) PUMP RUNNING LIGHTS. 1/2"x3/8" LOOSE KEY 1/4 TURN STOPS WITH 3/4" IPS ANGLE STOP.

NAME: SERVICE WATER COOLER

DESCRIPTION: TWO (2) PUMP RUNNING LIGHTS. 1/2"x3/8" LOOSE KEY 1/4 TURN STOPS.

NAME: BI-LEVEL WATER COOLER (ADA COMPLIANT)

DESCRIPTION: NOTE: DOMESTIC HOT AND COLD WATER PIPING AND P-TRAP SUPPLIES: 1/2"x3/8" LOOSE KEY 1/4 TURN STOPS WITH 3/4" IPS ANGLE STOP.

NAME: GAS WATER HEATER:

DESCRIPTION: BASIS OF DESIGN: PROSET SYSTEMS "TG" SERIES. THE PUMPS SHALL BE CAPABLE OF OPERATING UP TO THREE SOFTENER VESSELS IN PARALLEL. THE EQUPMENT IN OPERATION AND INSTRUCT THE OWNER'S SUPERVISION OF A MANUFACTURER'S REPRESENTATIVE WHO HAS BEEN TRAINED IN THE NORMAL FUNCTION OF THE WATER SOFTENER.

NAME: WATER SOFTENER:

DESCRIPTION: THE OIL FLOODED ROTARY VANE PUMPS SHALL BE SINGLE STAGE, WITH ATMOSPHERIC NON REMOVABLE VACUUM BREAKERS. INCLUDED IN THE PACKAGE IS A COMPLETE INSTRUCTIONS GUIDE FOR INSTALLATION. WHEN MOUNTED ON A PUMPS, THE PUMPS SHALL BE SUPPLIED WITH A FILLING VALVE, A FLOW CONTROL, AND LID. THE OIL VANE PUMPS SHALL BE DESIGNED TO OPERATE WITH NON-PHENOLIC RESIN PER EACH VESSEL HAVING A MINIMUM PARTICLE SIZE (NOT MORE THAN 4% THROUGH 40 MESH US SCREEN).

NAME: EXPANSION TANK:

DESCRIPTION: BASIS OF DESIGN: AK INDUSTRIES MODEL NO: 855. THE CONTROL SYSTEM SHALL HAVE AN INTEGRAL TIMER FOR CAPABLE OF OPERATING UP TO THREE SOFTENER VESSELS IN PARALLEL. THE RECEIVER TANK SHALL BE 80 GALLON ASME CONSTRUCTION TO PIPE MATERIAL USED IN THE CONSTRUCTION OF THIS EQUIPMENT.

NAME: GAS WATER HEATER:

DESCRIPTION: BASIS OF DESIGN: CHURCH 9400SSCT.

NAME: ELECTRONIC CLAMP,

DESCRIPTION: BASED ON ENGINEERING STANDARDS AND PLUMBING CODES, THE PUMPS SHALL BE SINGLE STAGE, WITH ATMOSPHERIC NON REMOVABLE VACUUM BREAKERS. INCLUDED IN THE PACKAGE IS A COMPLETE INSTRUCTIONS GUIDE FOR INSTALLATION. WHEN MOUNTED ON A PUMPS, THE PUMPS SHALL BE SUPPLIED WITH A FILLING VALVE, A FLOW CONTROL, AND LID. THE OIL VANE PUMPS SHALL BE DESIGNED TO OPERATE WITH NON-PHENOLIC RESIN PER EACH VESSEL HAVING A MINIMUM PARTICLE SIZE (NOT MORE THAN 4% THROUGH 40 MESH US SCREEN).

NAME: COUNTERTOP SINK (HANDICAP):

DESCRIPTION: BASE OF DESIGN: CHURCH 9400SSCT. BASE OF DESIGN: CHICAGO SUPPLIES. 1/2"x3/8" LOOSE KEY 1/4 TURN STOPS.

NAME: BRASS HYDRANT, FREEZEPROOF, INTEGRAL VACCUM BREAKER

DESCRIPTION: BASIS OF DESIGN: CHURCH 9400SSCT.


NAME: BI-LEVEL WATER COOLER (ADA COMPLIANT)

DESCRIPTION: BASIS OF DESIGN: CHURCH 9400SSCT.
### Domestic Water Heater Schedule

<table>
<thead>
<tr>
<th>UNIT</th>
<th>DESCRIPTION</th>
<th>LOCATION</th>
<th>TOTAL USE</th>
<th>CAPACITY</th>
<th>NORMAL FLOW</th>
<th>MAX FLOW</th>
<th>AMP</th>
<th>VOLT</th>
<th>QUANTITY</th>
<th>REMARKS</th>
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<tbody>
<tr>
<td>DWH-1</td>
<td>WATER HEATER</td>
<td>M198</td>
<td>114</td>
<td>140</td>
<td>120</td>
<td>120</td>
<td>1</td>
<td>115</td>
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### Sump Pump Schedule

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<tr>
<th>SYMBOL</th>
<th>LOCATION</th>
<th>DESCRIPTION</th>
<th>ROUGH-IN SIZE</th>
<th>PUMP SCHEDULE</th>
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<tr>
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<td>M198</td>
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### Plumbing Rough-In Schedule

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<th>LOCATION</th>
<th>TOTAL HEAD (FT)</th>
<th>TOTAL PRESSURE (PSI)</th>
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### Water Equipment Schedule

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<td>DWH-1</td>
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<td>INSTALL ON 4&quot; HOUSE KEEPING PAD, ROUTE T&amp;P</td>
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### Pump Schedule

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<tr>
<th>UNIT</th>
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<th>TOTAL PRESSURE (PSI)</th>
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<tr>
<td>DWH-1</td>
<td>WATER HEATER</td>
<td>M198</td>
<td>25</td>
<td>175</td>
<td>INSTALL ON 4&quot; HOUSE KEEPING PAD, ROUTE T&amp;P</td>
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**Note:** All selections are based on electrical data and are subject to change. Van H. Gilbert Architect PC, 1200 E. Amador Ave. Suite 200, Llilley Engineering, Inc., 4600-C Montgomery Blvd. NE.
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<tr>
<th>ROOM #</th>
<th>EQP. DESCRIPTION</th>
<th>GAS</th>
<th>ENS Bay</th>
<th>FLOOR</th>
<th>DRAIN</th>
<th>COMMENTS</th>
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