



Baker Bednar & ASSOCIATES INC

628 Niles Cortland Road SE Warren Ohio 44484 Phone 330 856 7222 Fax 330 856 7226

**PHOENIX DESIGN & ENGINEERING** MECHANICAL, ELECTRICAL &



EXPIRATION DATE: 12/31/2018

0 Children's

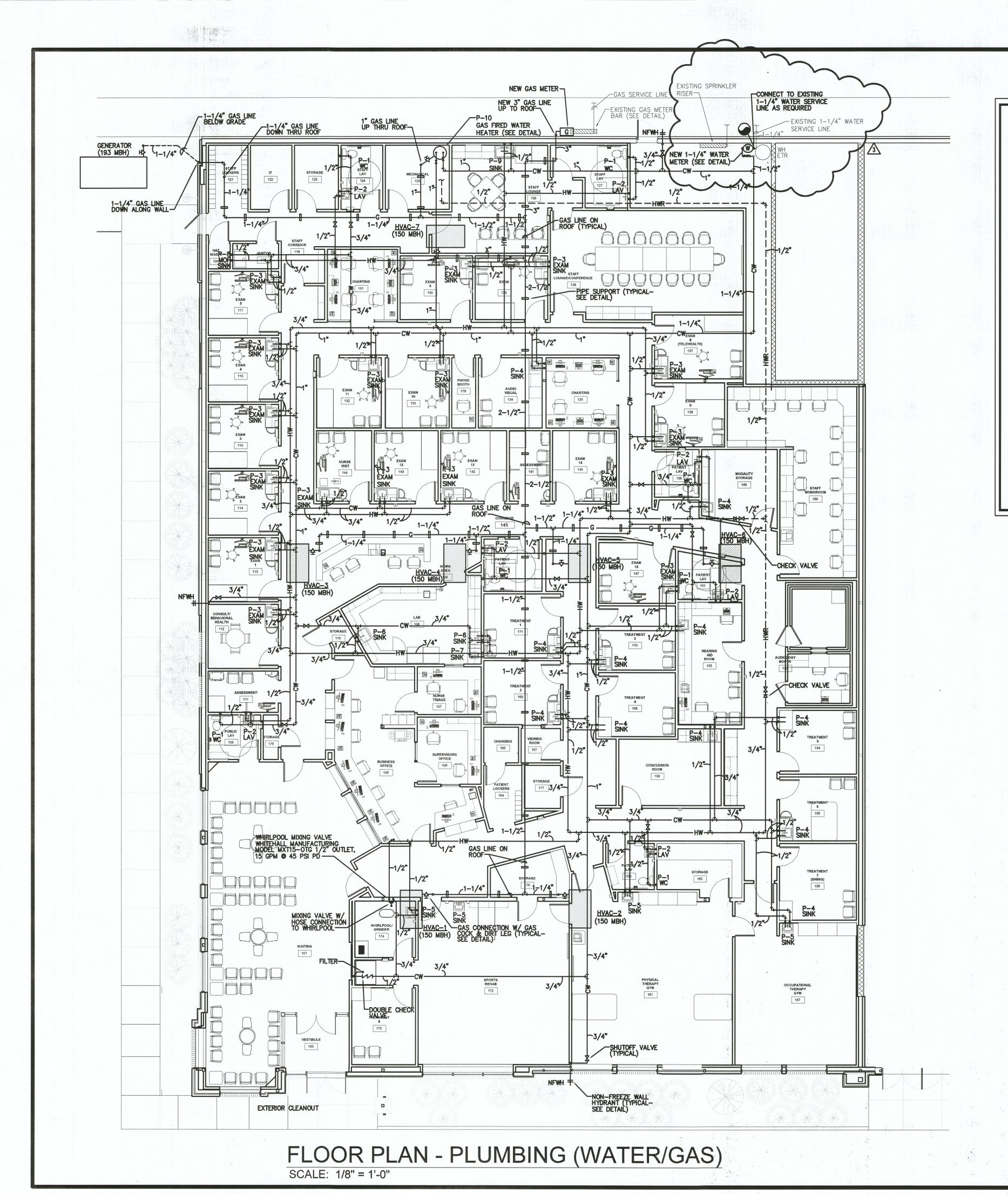
CONSTRUCTION DOCUMENTS

FLOOR PLAN -PLUMBING (SANITARY/STORM)

REVIS	IONS
#	DATE
1	06/22/18
2	07/12/18
3	08/10/18

DRAWN BY KAN PROJECT NUMBER

SHEET NUMBER



## **GENERAL NOTES:**

- PLUMBING CONTRACTOR IS TO COORDINATE ALL SCOPES OF WORK WITH SITE UTILITY PLAN AS REQUIRED. CONTRACTOR TO ADJUST ROUTING OF SANITARY LINES AND LOCATION/ROUTING OF WATER METER AND DISTRIBUTION AS REQUIRED BY SITE CONDITIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION RELATED TO STORM DRAINAGE SYSTEMS.
- 3. ROUTING OF EXISTING SANITARY AND WATER LINES IS UNKNOWN. CONTRACTOR IS TO VERIFY ROUTING OF LINES DURING DEMOLITION AND ADJUST SCOPE OF WORK (DEMOLITION AND NEW INSTALLATION) AS DICTATED BY EXISTING CONDITIONS.
- 4. BUILDING OWNER IS TO GET A FIELD SURVEY PERFORMED. LOCATION/ROUTING OF EXISTING SANITARY LINES ARE TO BE MARKED BY COMPANY PERFORMING SURVEY.
- 5. EXISTING SANITARY LINES TO BE REMOVED AND CAPPED FOR USE AS INDICATED ON DRAWINGS. REMOVE AND CAP SANITARY LINES AS REQUIRED BY CODE.
- 6. PLUMBING CONTRACTOR IS TO MODIFY ROUTING AND TIE-IN LOCATIONS OF NEW SANITARY LINES PER SURVEY OF EXISTING SANITARY LINES TO MINIMIZE CUTTING

8. ALL EXISTING WATER DISTRIBUTION LINES (COLD WATER AND HOT WATER) ARE TO

- EXISTING STORM DRAINAGE SYSTEMS (ROOF DRAINS, DOWNSPOUTS, STORM LINES, ETC.) ARE TO REMAIN ACTIVE AND AS EXISTING UNLESS NOTED OTHERWISE. REPORT ANY STORM LINES UNCOVERED DURING DEMOLITION REQUIRING RELOCATION.
- INDICATED ON THIS DRAWING). EXISTING WATER HEATERS TO REMAIN ACTIVE IN PLACE UNLESS NOTED OTHERWISE. 9. PLUMBING CONTRACTOR TO TEST AND LOCATE EXISTING SANITARY AND STORM

REMAIN ACTIVE UNLESS NOTED OTHERWISE (INCLUDING EXTERIOR HOSE BIBBS NOT

- LINES REMAINING ACTIVE. TEST LINES FOR PROPER DRAINAGE AND REPAIR/REPLACE ANY SECTIONS OF LINES AS REQUIRED FOR PROPER DRAINAGE. 10. PLUMBING CONTRACTOR IS TO VERIFY PROPER DRAINAGE OF EXISTING SANITARY/
- PERFORM ANY REPAIRS AND/OR FLUSHING OF EXISTING LINES AS REQUIRED. VERIFY SCOPE OF WORK IN FIELD. 11. PLUMBING CONTRACTOR TO INSTALL A ASSE 1070 COMPLIANT MANUAL MIXING VALVE

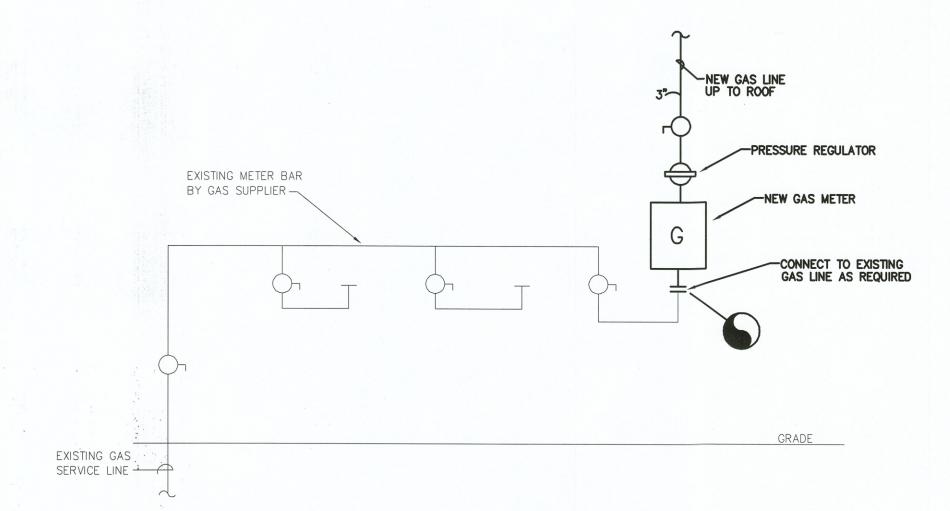
DRAINAGE LINES TO REMAIN ACTIVE POST CONSTRUCTION. CONTRACTOR IS TO

- IN THE WATER LINES BELOW ALL PUBLIC LAVATORIES AND SINKS WITH A MAXIMUM DISCHARGE TEMPERATURE OF 110F.
- 12. CONTRACTOR TO FIRESTOP PENETRATIONS THRU FIRE—RATED DEMISING WALL AS REQUIRED TO MAINTAIN RATING.
- 13. NEW EXTERIOR GAS LINES ARE TO BE PAINTED WITH (2) COATS OF RUST PREVENTIVE

14. ALL NEW WATER LINES ARE TO BE INSULATED WITH 1/2" FIBERGLASS PIPE INSULATION.

(AKRON CHILDREN'S HOSPITAL)	
TAG	МВН
HVAC -I	150
HVAC -2	150
HVAC -3	150
HVAC-4	150
HVAC -5	150
HVAC -6	150
HVAC -7	150
WATER HEATER	75
GENERATOR	193
TOTAL	1318 MBH

GAS LOAD SUMMARY (AKRON CHILDREN'S HOSPITAL)		
TAG	МВН	
HVAC -I	150	
HVAC -2	150	
HVAC -3	150	
HVAC-4	150	
HVAC -5	150	
HVAC -6	150	
HVAC -7	150	
WATER HEATER	75	
GENERATOR	193	
TOTAL	1318 MBH	
GAS PIPING SIZED PER TABLE 402.4 (2) OF THE INTERNATIONAL FUEL GAS CODE		



GAS METER BANK DETAIL SCALE: NO SCALE

- CONNECT TO EXISTING

**REVISIONS** 

06/22/18

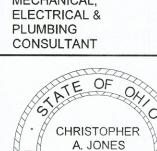
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**PHOENIX DESIGN & ENGINEERING** MECHANICAL,



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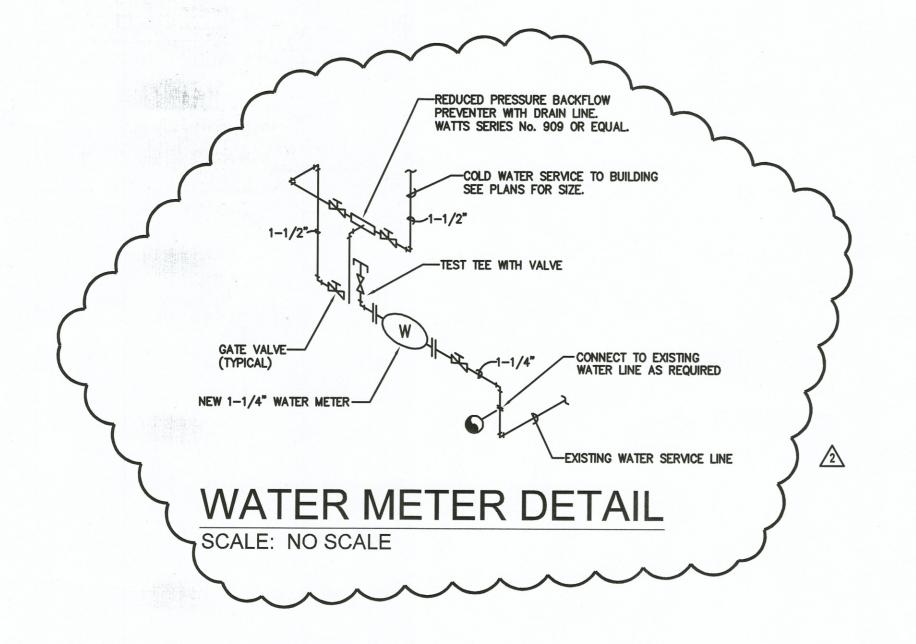
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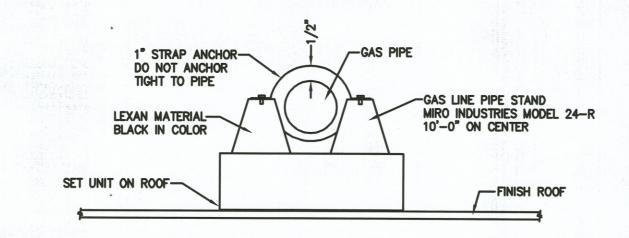
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CONSTRUCTION DOCUMENTS

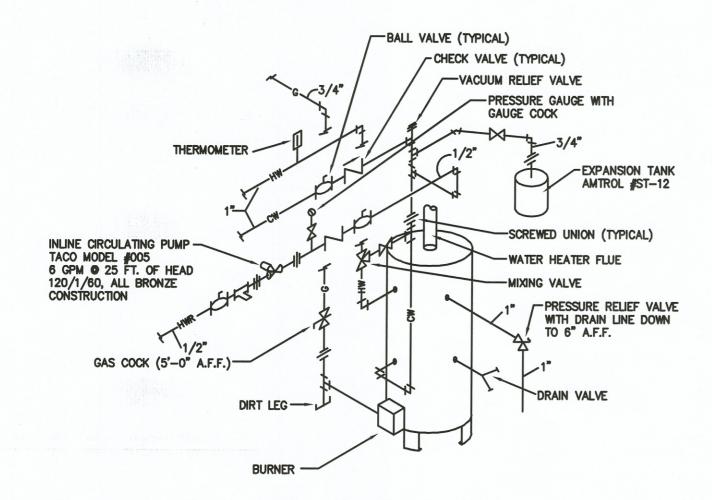
FLOOR PLAN -**PLUMBING** (WATER/GAS)

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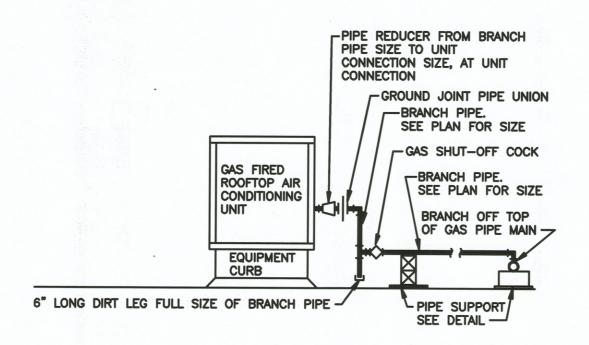


GAS PIPE SUPPORT DETAIL
SCALE: NO SCALE



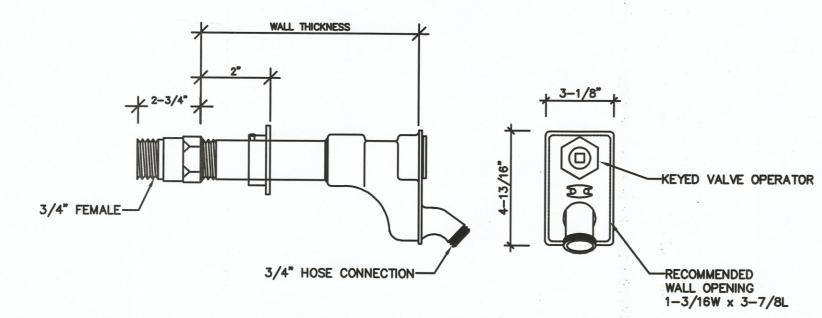
SCALE: NO SCALE

WATER HEATER DETAIL



GAS CONNECTION DETAIL

SCALE: NO SCALE



NON-FREEZE WALL HYDRANT DETAIL
SCALE: NO SCALE

## PLUMBING FIXTURE SPECIFICATIONS

ALL PLUMBING FIXTURE SPECIFICATIONS INDICATED BELOW ARE FOR INFORMATIONAL PURPOSES AND ARE INDICATIVE OF FIXTURE TYPES AND PERFORMANCE CHARACTERISTICS/REQUIREMENTS. ALL FIXTURES ARE TO BE APPROVED BY OWNER PRIOR TO ORDERING. PLUMBING CONTRACTOR IS TO COORDINATE ALL FIXTURES WITH OWNER, ARCHITECT AND CASEWORK AS REQUIRED TO COORDINATE ALL SIZES AND DIMNESIONS WITH CASEWORK AND COUTERS AS NECESSARY

- P-1 WATER CLOSET. (ANSI APPROVED) AMERICAN STANDARD "CADET" MODEL #2998.012, VITREOUS CHINA, ELONGATED SIPHON-JET ACTION, 16-1/2" HIGH BOWL CLOSE-COUPLED TANK, WITH WATER-SAVING TRIM, TWO BOLT CAPS, AMERICAN STANDARD #5311.012 CLOSED FRONT SEAT WITH COVER. PROVIDE ANGLE SUPPLY WITH HANDLE STOP, FLEXIBLE TUBE RISER. PLUMBING CONTRACTOR TO PROVIDE 1/2" COLD WATER WITH 4" WASTE VENTED.
- P-2 LAVATORY. (WALL MOUNTED, ANSI APPROVED), AMERICAN STANDARD "LUCERNE" MODEL #0355.012, VITREOUS CHINA, FRONT OVERFLOW, D-SHAPED BOWL, SELF-DRAINING DECK AREA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, FAUCET LEDGE, CONCEALED WALL HANGER, HERITAGE CENTERSET FAUCET MODEL 2103.620 WITH 4" WRIST HANDLES #7723.018 GRID DRAIN WITH OFFSET WASTE. PLUMBING CONTRACTOR TO PROVIDE 1/2" COLD WATER, 1/2" HOT WATER AND 1-1/2" VENTED WASTE PLUMBING CONTRACTOR TO INSULATE EXPOSED WATER AND DRAIN LINES BELOW LAVATORY
- P-3 EXAM SINK, ELKAY MODEL LRAD-191950, SIZE 19 1/2"X19"X5" DEEP, 18 GA. TYPE 304 STAINLESS STEEL SINGLE COMPARTMENT, MODEL LK-2432 TWO HANDLE CENTERSET FAUCET WITH SWING SPOUT AND AERATOR, MODEL LK-18 PERFORATED GRID DRAIN. PLUMBING CONTRACTOR TO PROVIDE 1/2" COLD WATER, 1/2" HOT WATER, AND 1 1/2" WASTE VENTED.
- SINK, ELKAY MODEL LR1919 SINGLE BOWL SINK, SIZE 19"x19"x7-1/2" DEEP, 18 GA. TYPE 302 STAINLESS STEEL, ELKAY MODEL LKD2432 DUAL HANDLE FAUCET. PLUMBING CONTRACTOR TO PROVIDE 1/2" CW, 1/2" HW & 1-1/2" VENTED WASTE.
- P-5 SINK. (WALL MOUNTED, "ADA" APPROVED), AMERICAN STANDARD "LUCERNE" MODEL #0355.012, VITREOUS CHINA, FRONT OVERFLOW, D-SHAPED BOWL, SELF-DRAINING DECK AREA WITH CONTOURED BÄCK AND SIDE SPLASH SHIELDS, FAUCET LEDGE, CONCEALED WALL HANGAR, AMERICAN STANDARD HERITAGE CENTERSET FAUCET MODEL 5400.172H WITH WRIST BLADE HANDLES. PLUMBING CONTRACTOR TO PROVIDE 1/2" COLD WATER, 1/2" HOT WATER AND 1-1/2" WASTE VENTED. PLUMBING CONTRACTOR TO INSULATE ALL EXPOSED WATER & DRAIN LINES BELOW LAVATORY.
- P-6 SINK, ELKAY, DAYTON MODEL DXR2522 SINGLE BOWL TOP MOUNT SINK, SIZE 25"x22"x8-3/16" DEEP, 18 GA. TYPE 300 STAINLESS STEEL, MOEN MODEL 8226 DUAL HANDLE FAUCET WITH MODEL S002 SPOUT. PLUMBING CONTRACTOR TO PROVIDE 1/2" COLD WATER, 1/2" HOT WATER, AND 1 1/2" WASTE VENTED.
- P-7 SINK, ELKAY MODEL LRAD-191950, SIZE 19 1/2"X19"X5" DEEP, 18 GA. TYPE 304 STAINLESS STEEL SINGLE COMPARTMENT, MODEL LK-2432 TWO HANDLE CENTERSET FAUCET WITH SWING SPOUT AND AERATOR, MODEL LK-18 PERFORATED GRID DRAIN. PLUMBING CONTRACTOR TO PROVIDE 1/2" COLD WATER, 1/2" HOT WATER, AND 1 1/2" WASTE VENTED.
- P-8 MOP SINK. FIAT MODEL No. MSB-2424, SIZE 24"x24", SERVICE SINK FAUCET No. 830-AA CHROME PLATED WITH VACUUM BREAKER, INTEGRAL STOPS. ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT. PLUMBING CONTRACTOR TO PROVIDE 3/4" COLD WATER, 3/4" HOT WATER AND VENTED WASTE.
- SINK, ELKAY, "LUSTERTONE" MODEL DLR-2222.12, SIZE 22"x22"x12" DEEP, 18 GA. TYPE
  302 STAINLESS STEEL, SINGLE COMPARTMENT, MODEL LK-2432, TWO HANDLE CONCEALED UNDERMOUNT
  FAUCET WITH SWING SPOUT AND AERATOR, MODEL LK-18 PERFORATED GRID DRAIN. PLUMBING CONTRACTOR
  TO PROVIDE 1/2" COLD WATER, 1/2" HOT WATER, AND 1 1/2" WASTE VENTED.
- -10 GAS WATER HEATER. A.O. SMITH MODEL BTX-80, 50 GALLON CAPACITY, 76,000 BTUH INPUT, POWER VENT, 22" x 66-5/8"H, 3" FLUE. 92 GPH 100 TEMPERATURE RISE (SEE DETAIL).



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INTERIOR FIT-OUT FOR:
Akron Children's Hospital Pediatrics

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LINC

CONSTRUCTION DOCUMENTS

PLUMBING DETAILS

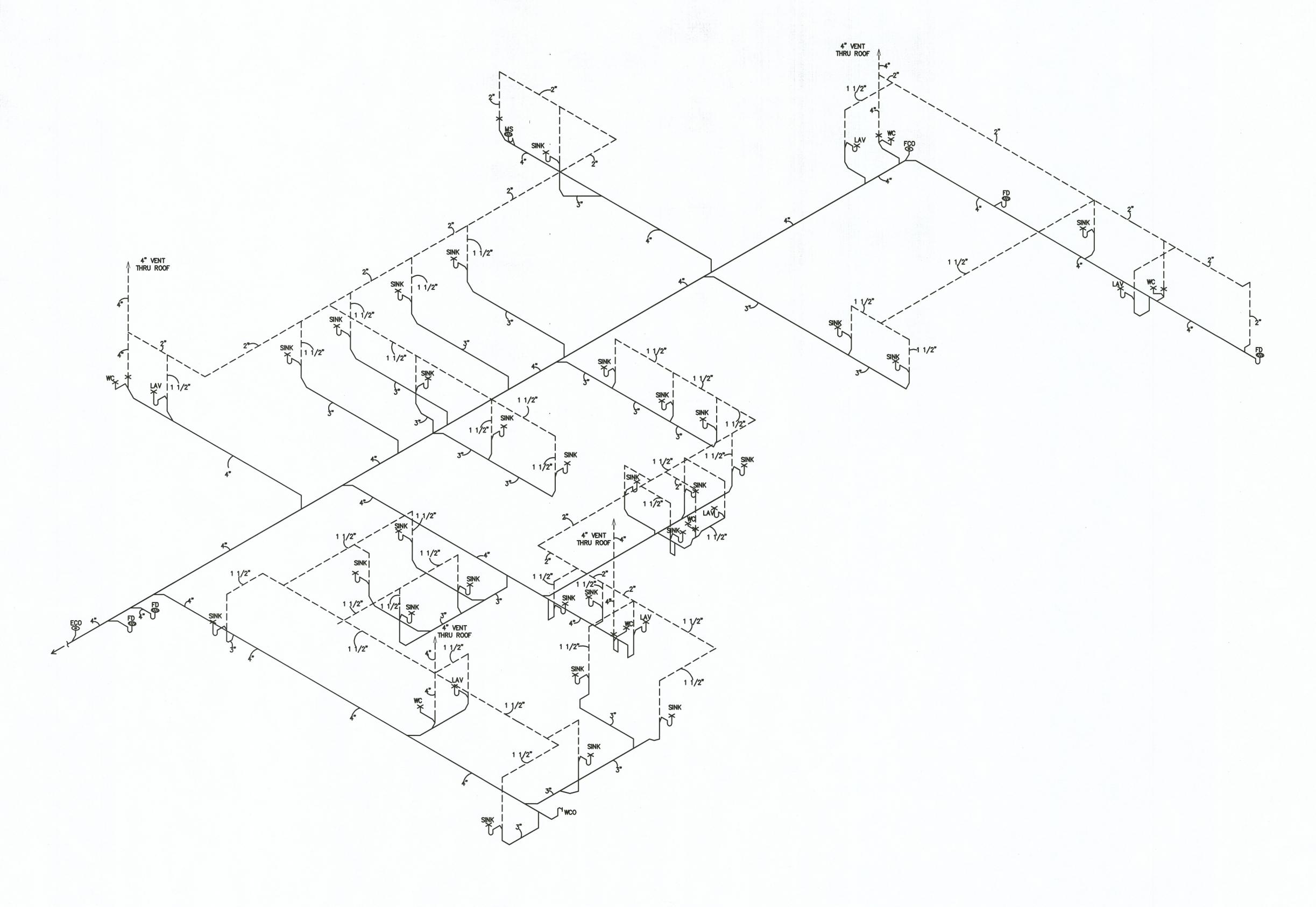
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DRAINAGE ISOMETRIC

SCALE: NO SCALE



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Akron Children's Hospital Pediatrics

MASSILLON,

CONSTRUCTION DOCUMENTS

DRAINAGE ISOMETRIC

REVISIONS D

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18005 SHEET NUMBER