

GENERAL PLUMBING NOTES:

- A. ALL PLUMBING WORK SHALL BE INSTALLED PER THE 2015 INTERNATIONAL MECHANICAL, PLUMBING, AND FUEL GAS CODES, AMERICAN WITH DISABILITIES ACT (ADA), AND ALL LOCAL CODES, AND AUTHORITY HAVING JURISDICTION.
- B. ALL PIPING PENETRATIONS THROUGH FIRE RATED WALLS TO BE SEALED "AIR TIGHT" WITH SEALANT APPLIED ALL AROUND PENETRATION.
- C. MINIMUM SIZE OF WASTE PIPE UNDER SLAB ON GRADE SHALL BE 2".
- D. ROUTING OF UNDER FLOOR WASTE PIPING TO BE CAREFULLY COORDINATED WITH STRUCTURAL DRAWINGS FOUNDATION PLAN.
- E. REFER TO THE PLUMBING FIXTURE ROUGH—IN SCHEDULE FOR TYPICAL SIZES OF WATER, WASTE, AND VENT RUN—OUTS. ALL ADA WATER CLOSETS TO BE 18" ON CENTER FROM THE WALL.
- F. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING PIPING AND EQUIPMENT WITH ALL OTHER CONTRACTORS, SUBCONTRACTORS AND TRADES AT THOSE AREAS WITH LIMITED CLEARANCES DUE TO STRUCTURAL, MECHANICAL, CEILING AND ELECTRICAL ELEMENTS. ALL CODE REQUIRED CLEARANCES FOR ALL SYSTEMS MUST BE PROVIDED.
- G. INSTALL TRAP PRIMERS FOR ALL FLOOR DRAINS SUBJECT TO LOSS OF SEAL. LOCATE PRIMERS IN AN ACCESSIBLE AREA AND ROUTE PIPING UNDERFLOOR AS REQUIRED. WATERLESS TRAP PRIMERS SHALL BE EQUAL TO SURESEAL IF APPROVED BY CODE AUTHORITY.
- H. COORDINATE LOCATIONS OF ALL FLOOR DRAINS IN MECHANICAL ROOMS AND WITH ACTUAL PLACEMENT OF WATER HEATERS, PUMPS, TANKS AND ALL OTHER EQUIPMENT.
- I. FLOOR/WALL CLEANOUTS SHALL BE PROVIDED WITH SUITABLE COVER TO SUIT FLOOR/WALL FINISH, REFER TO ARCHITECTURAL. INSTALL WALL CLEANOUT USED IN WALL—HUNG TOILET APPLICATION ABOVE FLOOD RIM OF WATER
- J. OVERFLOW DRAINS SHALL "DAY-LIGHT" DISCHARGE THRU DOWNSPOUT W/SPLASHBLOCK.
- K. PROVIDE AND INSTALL ACCESSIBLE BACKWATER VALVES IN ALL SANITARY SEWERS EXITING THE BUILDING, IF REQUIRED.
- L. CONTRACTOR SHALL COORDINATE PIPING PENETRATION IN SHELTER WALLS WITH STRUCTURAL. PIPING WITH OVERALL OUTSIDE DIAMETER IN EXCESS OF 2 INCHES SHALL BE PROTECTED PER STRUCTURAL DETAILS.
- M. REFER TO STRUCTURAL PLANS/DETAILS FOR ADDITIONAL INFORMATION REGARDING LOCATION AND ELEVATION OF 4—INCH FOUNDATION DRAIN. REFER DIVISION 33 SPEC FOR MATERIAL AND INSTALLATION REQUIREMENTS.

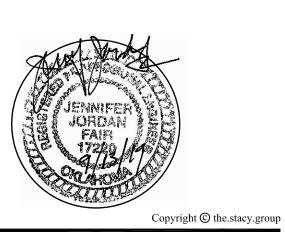
SPECIFIC PLUMBING NOTES (O):

- 1. SEE A/P103 ENLARGED PLUMBING PLAN FOR PIPING THIS AREA.
- 2. SEE B/P103 ENLARGED PLUMBING PLAN FOR PIPING THIS AREA.
- 3. SEE C/P103 ENLARGED PLUMBING PLAN FOR PIPING THIS AREA.
- 4. 6" RD & 8" OD UP, SEE P201 FOR CONTINUATION.
- 5. ROUTE 6" SD & 8" OD THRU EXTERIOR WALL. DISCHARGE AT GRADE THRU DOWNSPOUT W/ SPLASHBLOCK.
- 6. 6" SD & 8" OD DOWN FROM ABOVE. SEE P201 FOR CONTINUATION.
- 7. ROUTE 12" OD & 10" SD THRU EXTERIOR WALL. DISCHARGE AT GRADE THRU DOWNSPOUT W/ SPLASHBLOCK.
- 8. GREASE INTERCEPTOR (GI-1), SEE DETAILS "C" & "D"/P301.
- 9. PROVIDE 1-1/2" WASTE CONNECTIONS AT EACH DRAIN AND EXTEND 2" WASTE TO $\underline{\text{GI-1}}$. SEE DETAIL D/P301.
- 10. CONNECT 4" FOUNDATION DRAIN TO NEW SUMP PUMP AND EXTEND 2" SD TO DISCHARGE THRU CURB. LOCATE CONTROL PANEL ADJACENT TO GYM MOP BASIN.



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OKLAHOMA CITY, OKLAHOMA 73116 (405) 840-1901 FAX (405) 840-1916 COA # 390 - RENEWAL DATE 6/30/2021

JUNIOR HIGH SHELTER ADDITION

PRYOR PUBLIC SCHOOLS

PRYOR, OK 2019

09.17.19

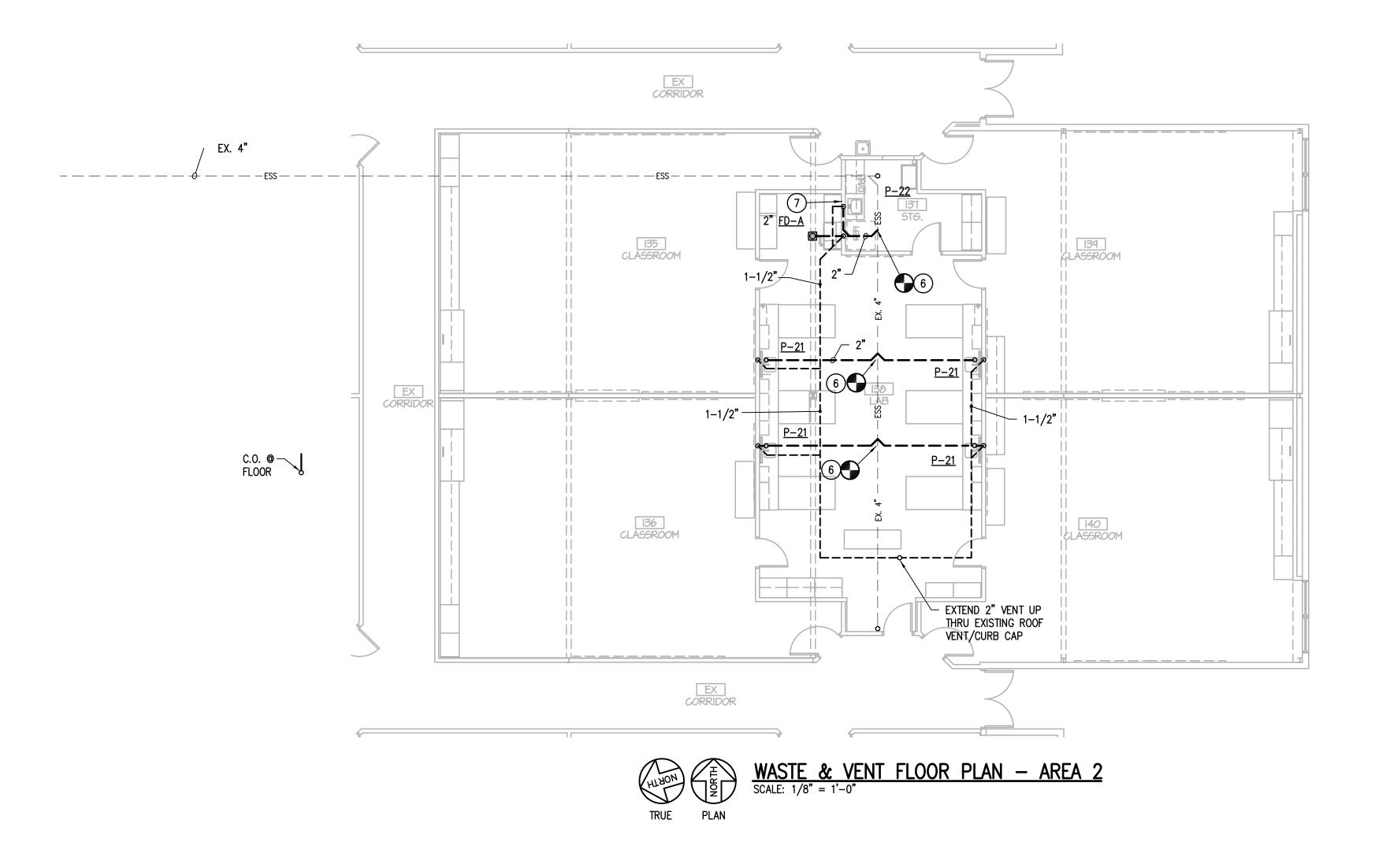
1803 | PROJECT NO NES | DRAWN BY JJF | CHK'D BY

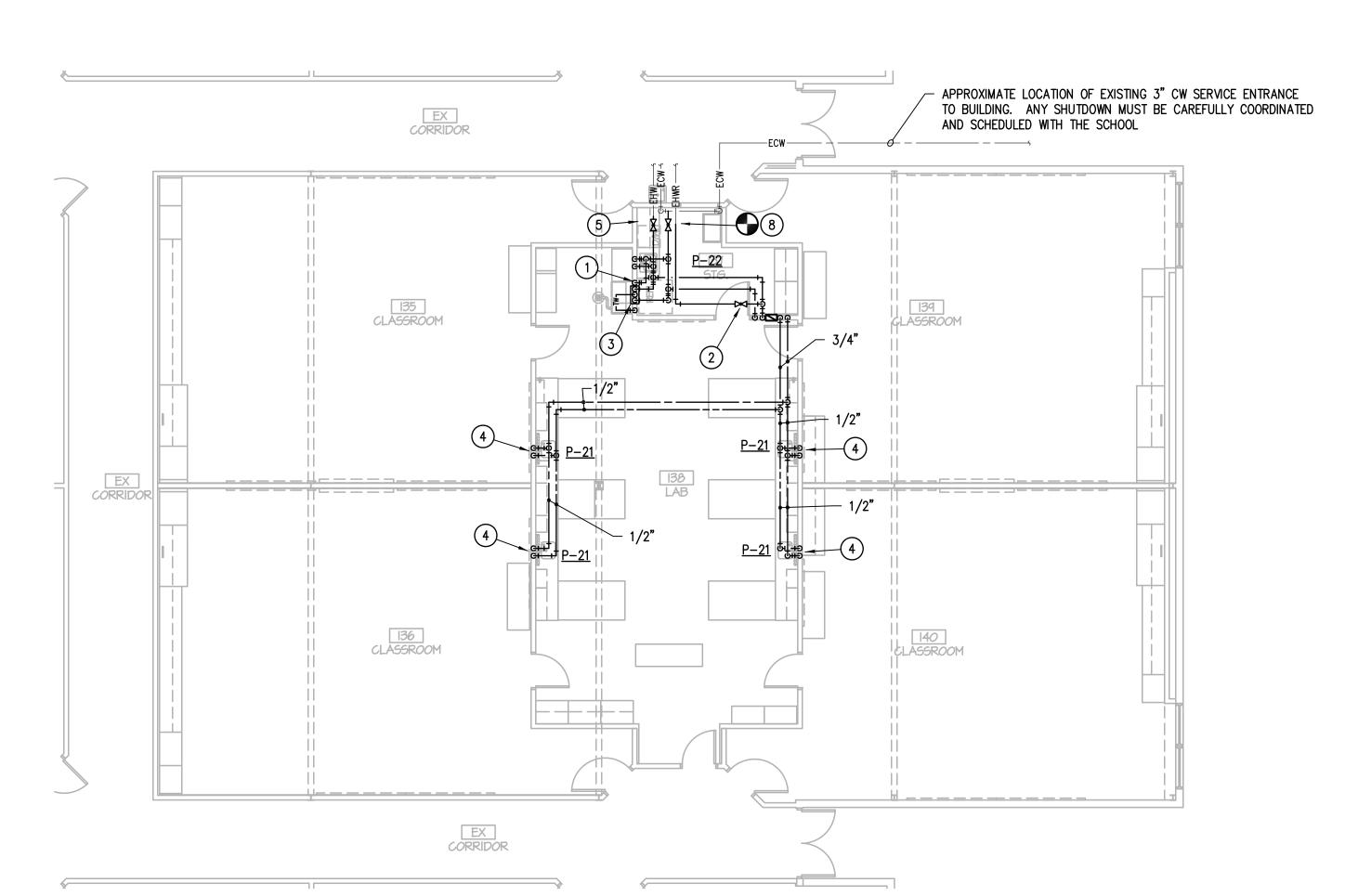
ISSUE DATE

WASTE & VENT FLOOR PLAN -AREA 1

P101

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DOMESTIC WATER FLOOR PLAN - AREA 2

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

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- B. ALL PIPING PENETRATIONS THROUGH FIRE RATED WALLS TO BE SEALED "AIR TIGHT" WITH SEALANT APPLIED ALL AROUND PENETRATION.
- C. MINIMUM SIZE OF WASTE PIPE UNDER SLAB ON GRADE SHALL BE 2".
- D. ROUTING OF UNDER FLOOR WASTE PIPING TO BE CAREFULLY COORDINATED WITH STRUCTURAL DRAWINGS FOUNDATION PLAN.
- E. REFER TO THE PLUMBING FIXTURE ROUGH—IN SCHEDULE FOR TYPICAL SIZES OF WATER, WASTE, AND VENT RUN—OUTS. ALL ADA WATER CLOSETS TO BE 18" ON CENTER FROM THE WALL.
- F. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING PIPING AND EQUIPMENT WITH ALL OTHER CONTRACTORS, SUBCONTRACTORS AND TRADES AT THOSE AREAS WITH LIMITED CLEARANCES DUE TO STRUCTURAL, MECHANICAL, CEILING AND ELECTRICAL ELEMENTS. ALL CODE REQUIRED CLEARANCES FOR ALL SYSTEMS MUST BE PROVIDED.
- G. INSTALL TRAP PRIMERS FOR ALL FLOOR DRAINS SUBJECT TO LOSS OF SEAL. LOCATE PRIMERS IN AN ACCESSIBLE AREA AND ROUTE PIPING UNDERFLOOR AS REQUIRED. WATERLESS TRAP PRIMERS SHALL BE EQUAL TO SURESEAL IF APPROVED BY CODE AUTHORITY.
- H. COORDINATE LOCATIONS OF ALL FLOOR DRAINS IN MECHANICAL ROOMS AND WITH ACTUAL PLACEMENT OF WATER HEATERS, PUMPS, TANKS AND ALL OTHER EQUIPMENT.
- I. FLOOR/WALL CLEANOUTS SHALL BE PROVIDED WITH SUITABLE COVER TO SUIT FLOOR/WALL FINISH, REFER TO ARCHITECTURAL. INSTALL WALL CLEANOUT USED IN WALL—HUNG TOILET APPLICATION ABOVE FLOOD RIM OF WATER CLOSET.
- J. CUT, TRENCH AND PATCH EXISTING FLOOR AS REUIRED FORINSTALATION

SPECIFIC PLUMBING NOTES (O):

- DROP 1/2" CW DOWN TO REFRIGERATOR ICE MAKER THRU S.O. VALVE.
- 2. CONNECT 3/4" HWR TO HW THRU BALANCING VALVE WITH MEMORY STOP.
- 3. ROUTE 3/4" HW/CW TO MIXING VALVE EQUAL TO LEONARD MODEL TM-600-LF AND PROVIDE 2" FD AND 1" TEMPERED WATER TO SAFETY CENTER COORDINATE AND CONNECT PER MANUFACTURER'S INSTRUCTIONS. LOCATE MIXING VALVE IN ACCESSIBLE LOCATION.
- 4. DROP 1/2" CW/HW DOWN AND TO EACHP-21 FIXTURE.
- 5. ROUTE 1/2" HW TO DISHWASHER.
- 6. CONNECT 2" SS TO EXISTING 4" SS, CONTRACTOR TO VERIFY EXACT LOCATION AND FLOWLINE.
- 7. PROVIDE WYE-FITTING FOR DISHWASHER CONNECTION DOWN STREAM OF DILUTION TRAP AT SINK.
- 8. CONNECT 1" CW/HW TO EXISTING 3" CW AND 2" HW THRU S.O. VALVES.
 CONNECT 3/4" HWR TO EXISTING HWR. VERIFY EXACT LOCATION OF EXISTING

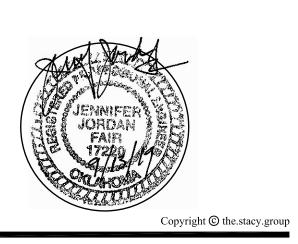
FIRE PROTECTION NOTES:

GENERAL:

- A. THE EXISTING AUTOMATIC WET PIPE SPRINKLER SYSTEM SHALL BE MODIFIED AS REQUIRED WITHIN THE RENOVATION AREAS IN COMPLIANCE WITH NFPA-13 AND ALL OTHER APPLICABLE CITY AND STATE CODE REQUIREMENTS.
- B. BUILDING IS CLASSIFIED AS LIGHT HAZARD OCCUPANCY. REFER TO ARCHITECTURAL CODE PLAN FOR TOTAL SQUARE FOOTAGE OF BUILDING. SCIENCE LABS AS ORDINARY HAZARD OCCUPANCY. REFER SPECS FOR SPRINKLER TYPES.
- C. CONCEALED HEAD ESCUTCHEONS SHALL BE WHITE IN LAY—IN CEILINGS. CONCEALED HEAD ESCUTCHEONS IN ALL OTHER CEILING & DECORATIVE CEILING ELEMENTS SHALL BE BRUSHED CHROME.
- D. CONTRACTOR SHALL CLOSELY COORDINATE THE FIRE SYSTEM INSTALLATION WITH ALL OTHER CONTRACTORS, SUB-CONTRACTORS AND TRADES AT THOSE AREAS WITH LIMITED CLEARANCES DUE TO STRUCTURAL ELEMENTS, DUCTWORK, PIPING, LIGHTS, ETC.
- E. PROVIDE CONCEALED SPRINKLERS & LOCATE SPRINKLERS CENTER OF TILE AT ALL LAY—IN CEILING GRID. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ARCHITECTURAL INTERIORS PLAN FOR CEILING TYPES, DIFFUSER AND LIGHT LOCATIONS. VERIFY CEILING HEIGHTS AND VARYING ELEVATIONS WITH ARCHITECTURAL DRAWINGS TO PROVIDE PROPER PROTECTION.
- F. COORDINATE VARYING ROOF HEIGHTS & STRUCTURE WITH PIPE ROUTING & OFFSET AS REQUIRED.
- G. CEILING HEIGHTS INDICATED WITHOUT GRID SHOWN ARE TYPICALLY LAY—IN CEILING TYPES. CONFIRM TYPE WITH ARCHITECTURAL FINISH PLANS.
- H. SLOPE ALL PIPING TO ALLOW FOR DRAINAGE OF SYSTEM.

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JUNIOR HIGH SHELTER ADDITION

PRYOR PUBLIC SCHOOLS

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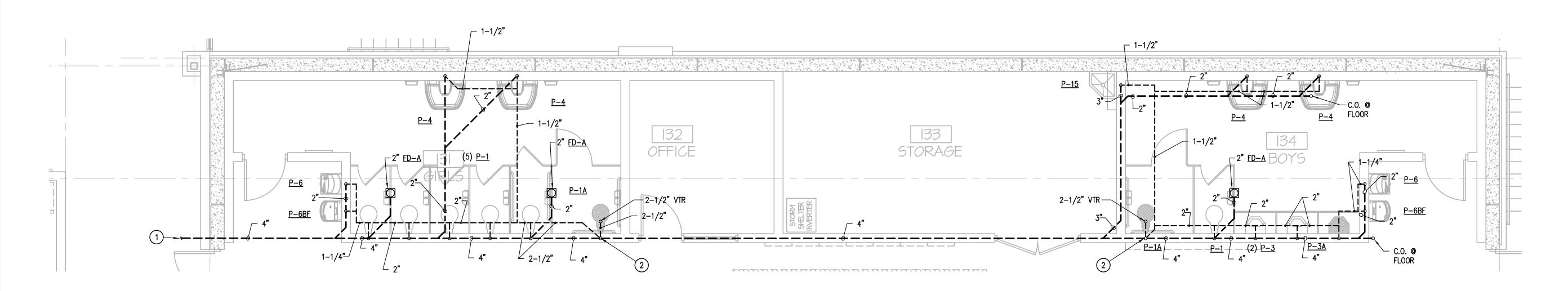
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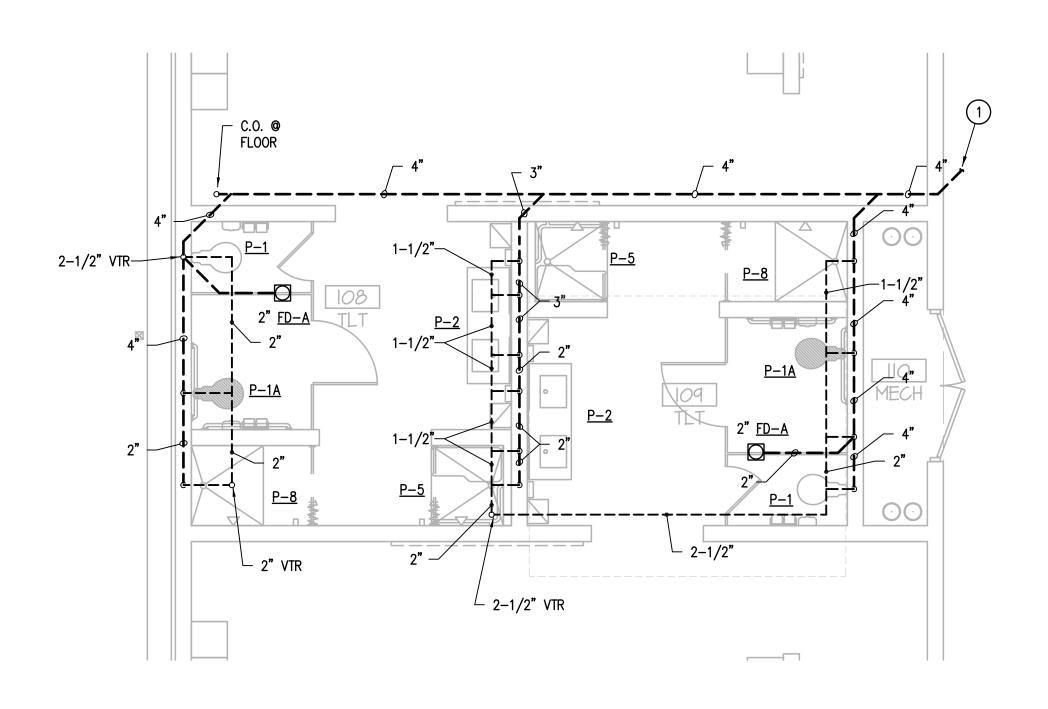
WASTE/VENT &
DOMESTIC
WATER FLOOR
PLANS - AREA 2

P102
SHEET TITLE

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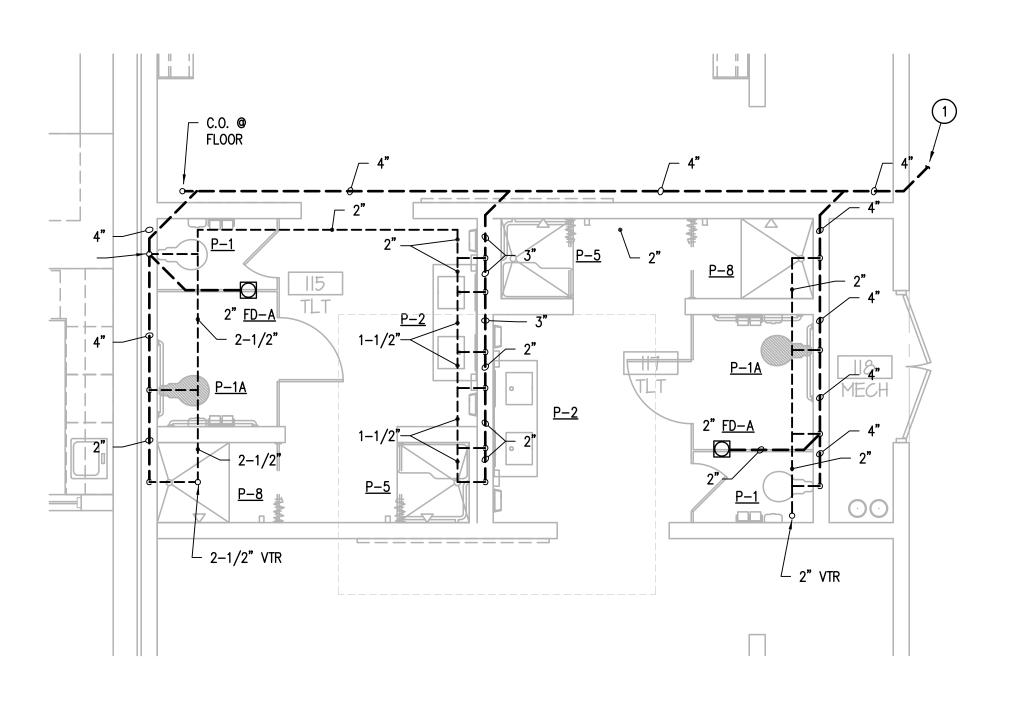


ENLARGED WASTE & VENT PLAN @ GIRLS 131/BOYS 134 SCALE: 1/4" = 1'-0"



B ENLARGED WASTE & VENT PLAN @ TLTS 108/109

SCALE: 1/4" = 1'-0"



ENLARGED WASTE & VENT PLAN @ TLTS 115/117

SCALE: 1/4" = 1'-0"

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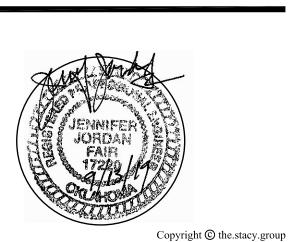
SPECIFIC PLUMBING NOTES (O):

- 1. SEE P101 FOR CONTINUATION.
- 2. OFFSET 2-1/2" VENT WITHIN STRUCTURAL SHROUD PRIOR TO PENETRATING ROOF.

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JUNIOR HIGH SHELTER ADDITION

PRYOR PUBLIC SCHOOLS

PRYOR, OK 2019

KEY F

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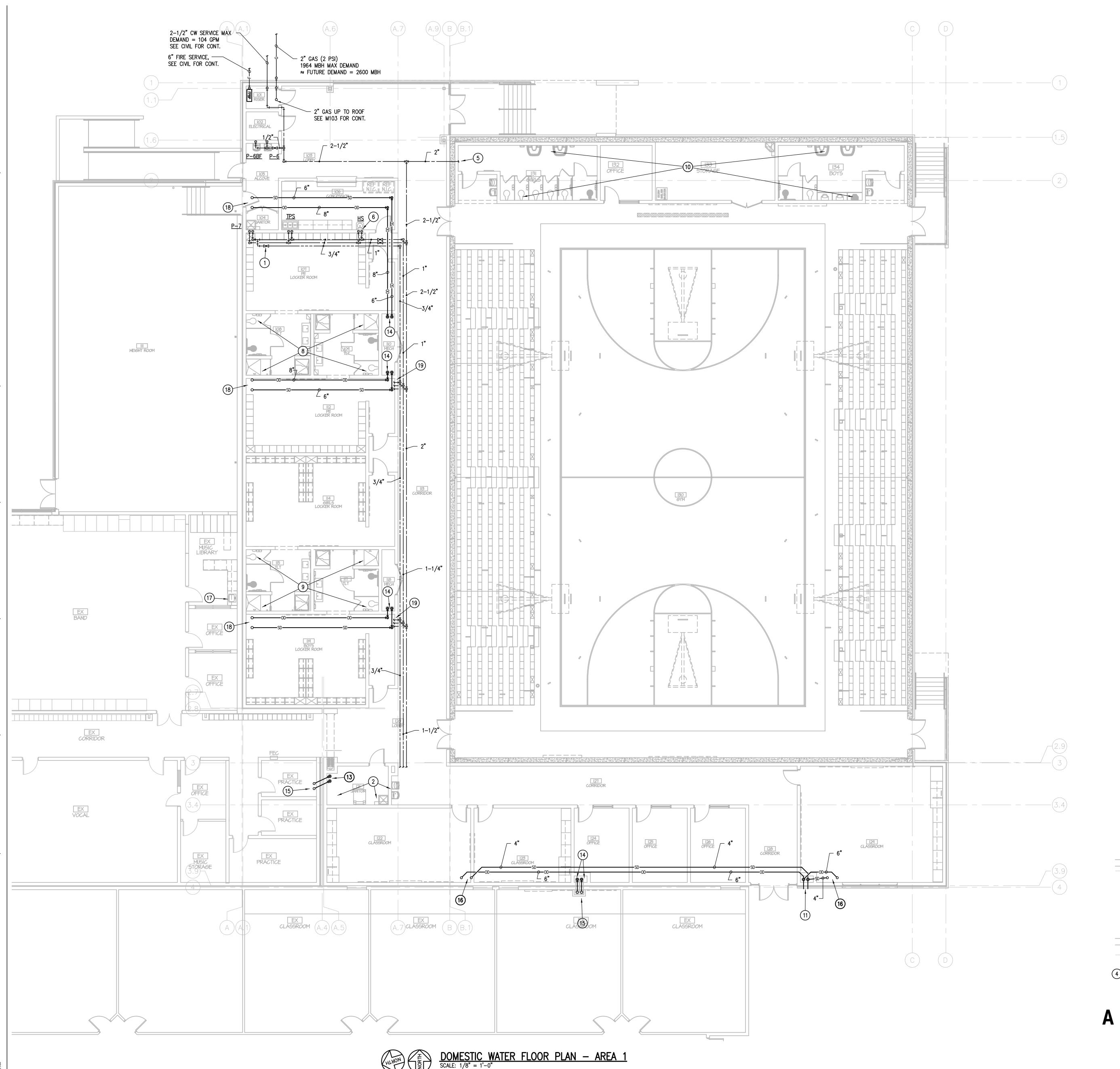
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1803 PROJECT NO NES DRAWN BY JJF CHK'D BY

ENLARGED WASTE & VENT PLANS

P103

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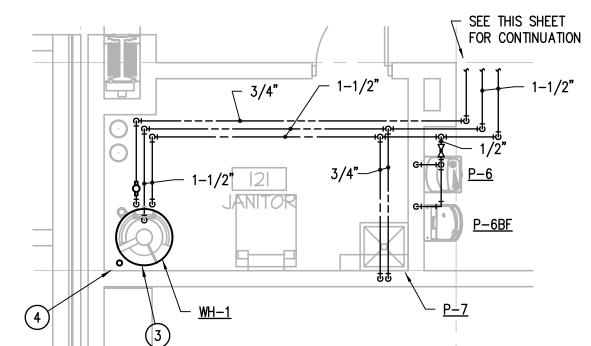
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SPECIFIC PLUMBING NOTES (O):

APPROVED BY CODE AUTHORITY.

EQUIPMENT.

- 1. CONNECT 3/4" HWR TO HW THRU BALANCING VALVE WITH MEMORY STOP.
- 2. SEE ENLARGED JANITOR 121, THIS SHEET, FOR PIPING THIS AREA.
- 3. DROP 1-1/2" CW/HW & 3/4" HWR DOWN TO WH-1. SEE DETAIL A/P301 FOR PIPING REQUIREMENTS.
- 4. 1-1/4" GAS DOWN FROM ROOF, SEE M103 FOR CONTINUATION.
- 5. EXTEND 2" CW SERVICE THRU WALL, PROVIDE STRUCTURAL PROTECTION RE: STRUCTURAL. SEE P202 FOR CONTINUATION.
- 6. PROVIDE WITH <u>TLV</u> IN ACCESSIBLE LOCATION.
- 7. 3/4" CW THRU S.O. VALVE UP TO RH-A.
- 7. 3/4 CW INRO S.O. VALVE UP 10 KH-A.
- 8. SEE B/202, ENLARGED GIRLS 108/BOYS 109 PLAN, FOR PIPING THIS AREA.
- 9. SEE C/202, ENLARGED GIRLS 115/BOYS 117 PLAN, FOR PIPING THIS AREA.
- 10. SEE A/202, ENLARGED GIRLS 131/BOYS 134 PLAN, FOR PIPING THIS AREA.
- 11. DROP 6" SD & 8" OD DOWN & SPILL THRU DOWNSPOUTS W/SPLASHBLOCK.
- 12. DROP 4" SD DOWN. REFER TO CIVIL FOR CONTINUATION.
- 13. EXTEND 6" SD & 8" OD THRU EXISTING WALL TO DROP DOWN IN JANITOR ROOM. SEE P101 FOR CONTINUATION.
- 14. DROP 6" SD & 8" OD DOWN. SEE P101 FOR CONTINUATION.
- 15. 6" SD & 8" OD UP TO ROOF DRAINS AT EXISTING ROOF. CONTRACTOR TO UTILIZE COMBI-DRAIN AND COORDINATE INSTALLATION WITH STRUCTURAL REQUIREMENTS
- 16. 4" SD & 6" OD UP TO ROOF DRAINS.
- 17. RE-INSTALL EXISTING SINK AND FAUCET. CONNECT NEW 1/2" CW/HW PIPING, SEE P202 FOR PIPING. REPAIR/REPLACE DAMAGED OR DEFECTIVE PARTS.
- 18. 6" SD & 8" OD UP TO ROOF DRAINS.
- 19. 3/4" HWR, 1–1/4" HW AND 2" CW, REFER TO ENLARGED PLANS P202 FOR CONTINUATION.

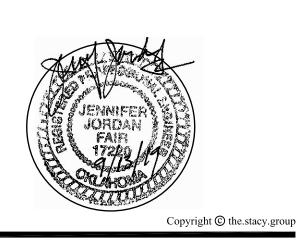


ENLARGED DOMESTIC WATER PLAN @ JANITOR 121

SCALE: 1/4" = 1'-0"

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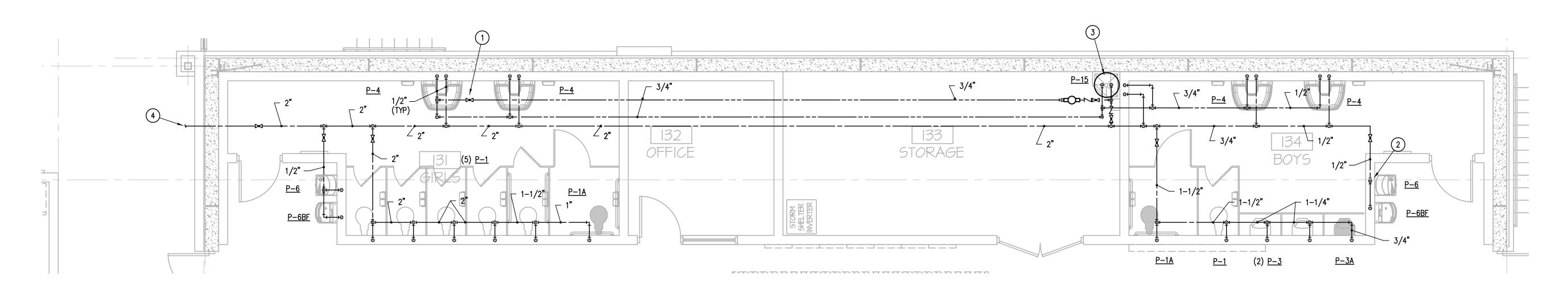
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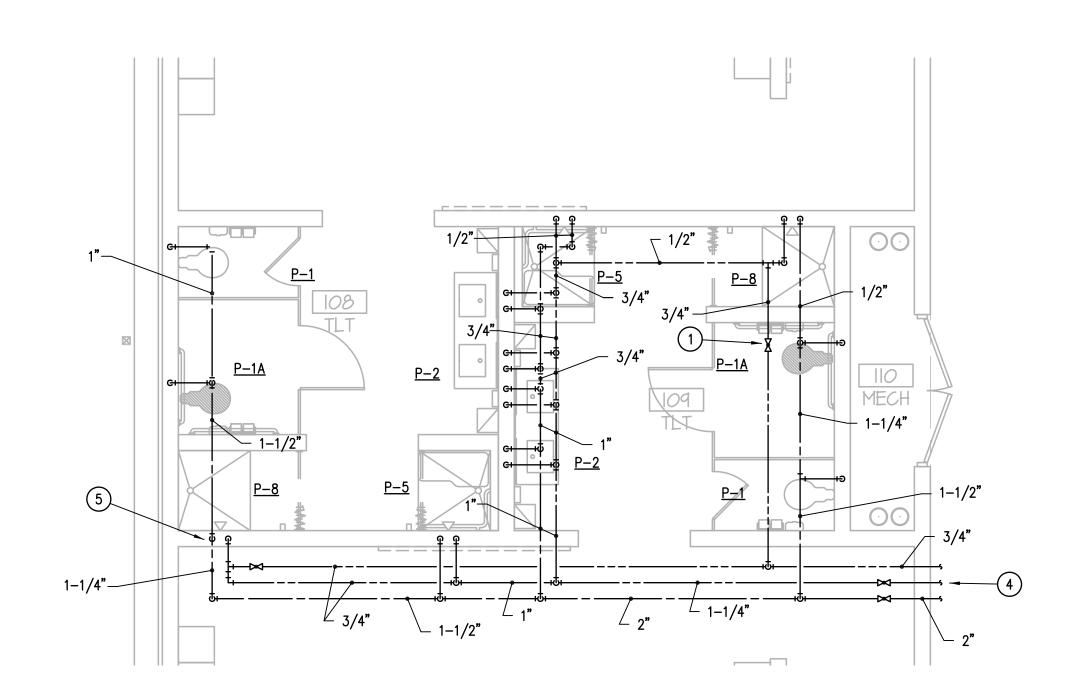
DOMESTIC WATER FLOOR PLAN -AREA 1

P201

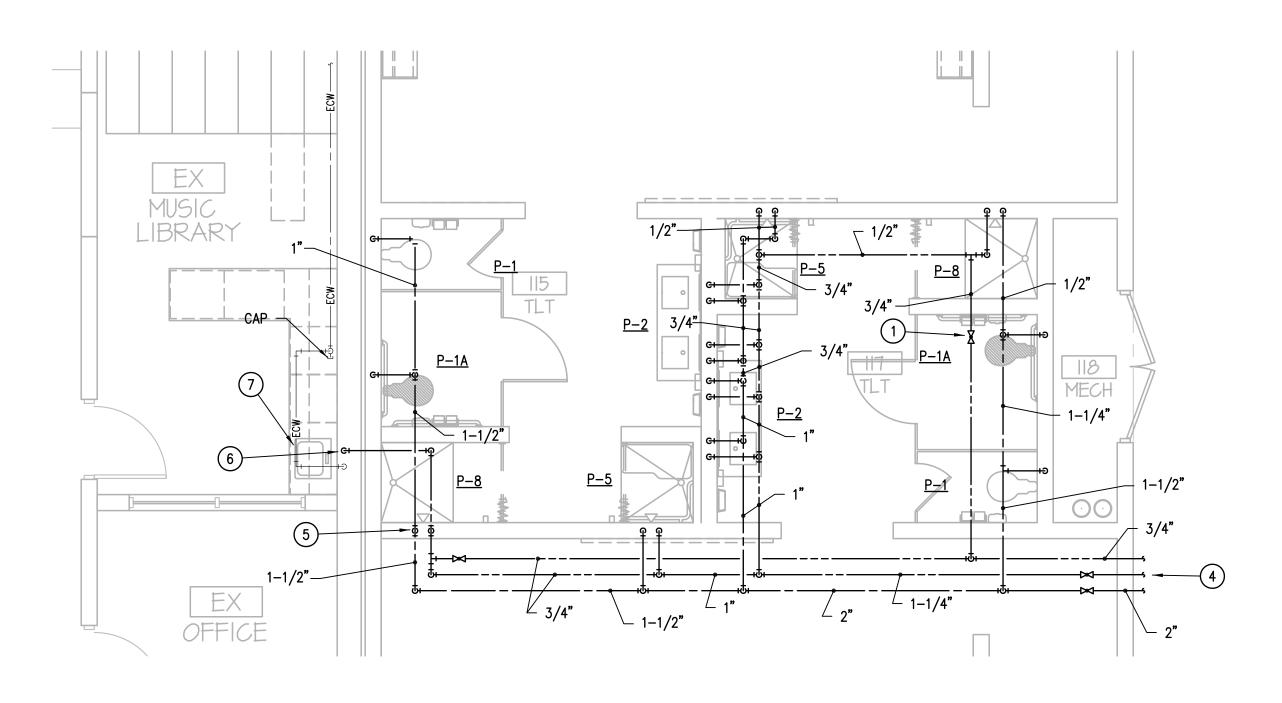
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A ENLARGED DOMESTIC WATER PLAN @ GIRLS 131/BOYS 134 SCALE: 1/4" = 1'-0"



B ENLARGED DOMESTIC WATER PLAN @ TLTS 108/109
SCALE: 1/4" = 1'-0"



ENLARGED DOMESTIC WATER PLAN @ TLTS 115/117

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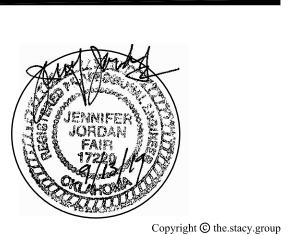
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- 1. CONNECT 3/4" HWR TO HW THRU BALANCING VALVE WITH MEMORY STOP.
- 2. DROP 1/2" CW DOWN TO <u>P-6A</u>.
- 3. PROVIDE AND INSTALL WATER HEATER $\underline{\text{WH}}-2$ ON PLATFORM ABOVE MOP BASIN $\underline{\text{P}}-15$. REFER TO DETAIL B/P301 FOR ADDITIONAL REQUIREMENTS.
- 4. SEE P201 FOR CONTINUATION.
- 5. DROP 1/2" HW/CH DOWN TO P-8 FIXTURE.
- 6. ROUTE 1/2" HW & CONNECT TO EXISTING FIXTURE. PROVIDE NEW SUPPLY STOP.
- 7. RE-INSTALL EXISTING SINK AND RECONNECT 1/2" CW SERVICE. REPAIR/REPLACE DAMAGED OR DEFECTIVE PARTS.

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JUNIOR HIGH SHELTER ADDITION

PRYOR PUBLIC SCHOOLS

PRYOR, OK 2019

KE

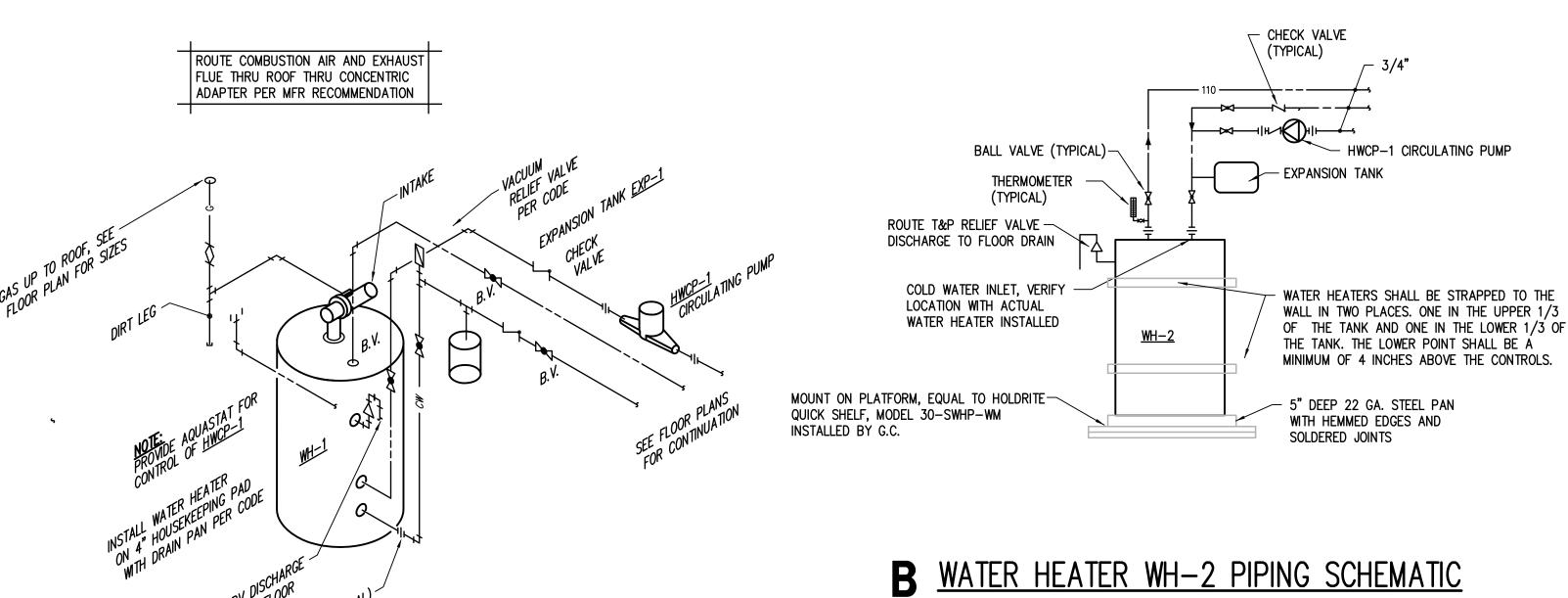
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1803 | PROJECT NO NES | DRAWN BY JJF | CHK'D BY

ENLARGED DOMESTIC WATER PLANS

P202

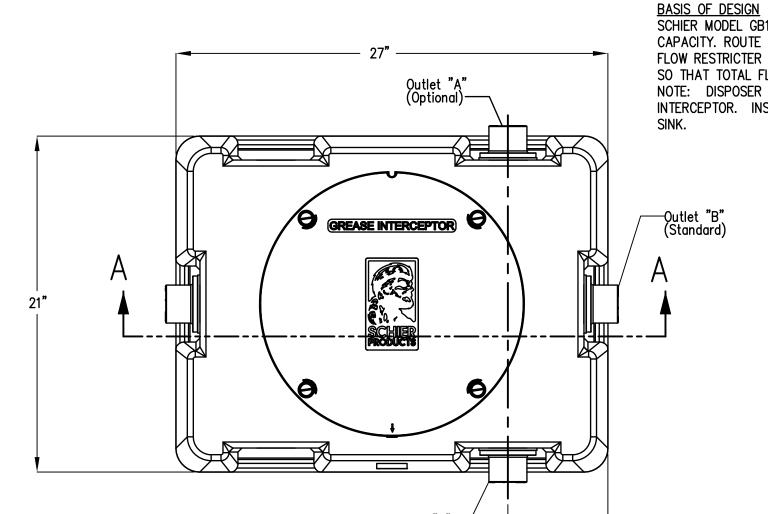
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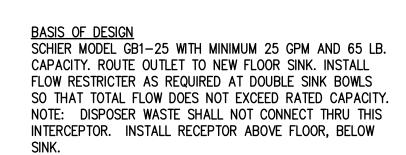
MOUNT FIXTURE PER ARCHITECT'S ELEVATIONS.
 PROVIDE WITH BOTTLE FILLER.
 PROVIDE <u>TLV</u> TO TEMPER WATER TO 110°F.
 POLYPROPYLENE ACID WASTE AND VENT TO POINT OF USE DILUTION TANK RE: SPECS.
 PROVIDE POINT OF USE DILUTION TANK W/ WYE FITTING FOR DISHWASHER CONNECTION DOWNSTREAM FROM DILUTION TANK.

A WATER HEATER WH-1 PIPING DETAIL NO SCALE

्र of plain end inlet and outlet -



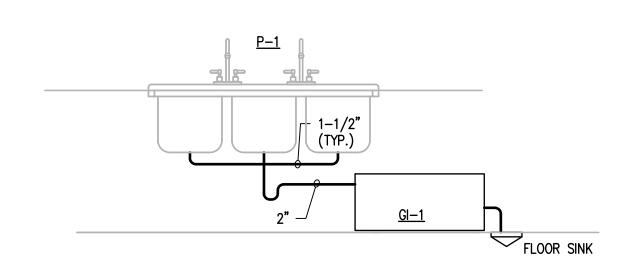
Static water



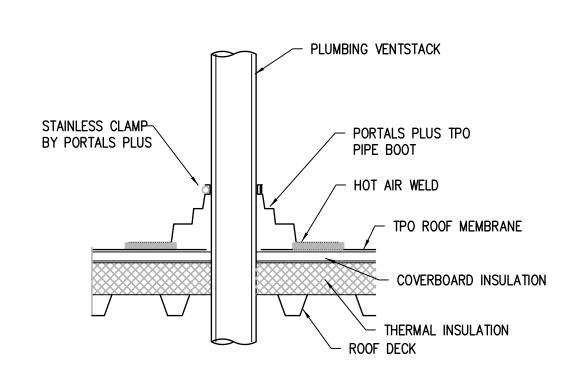
-Air relief/anti-siphon

9-1/2" invert

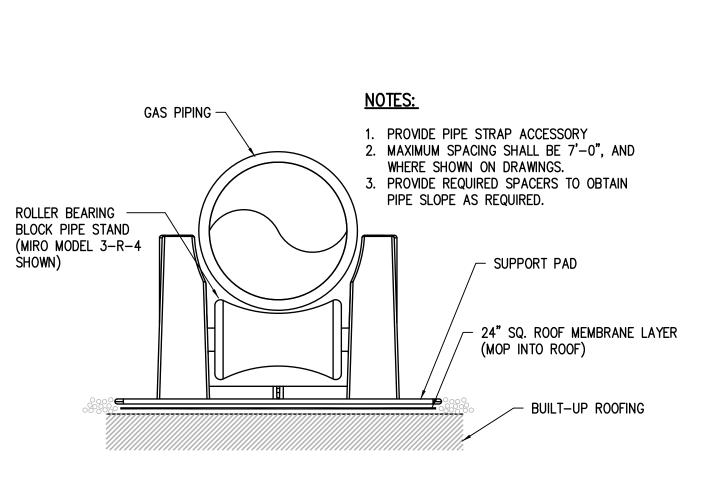
on outlet diffuser



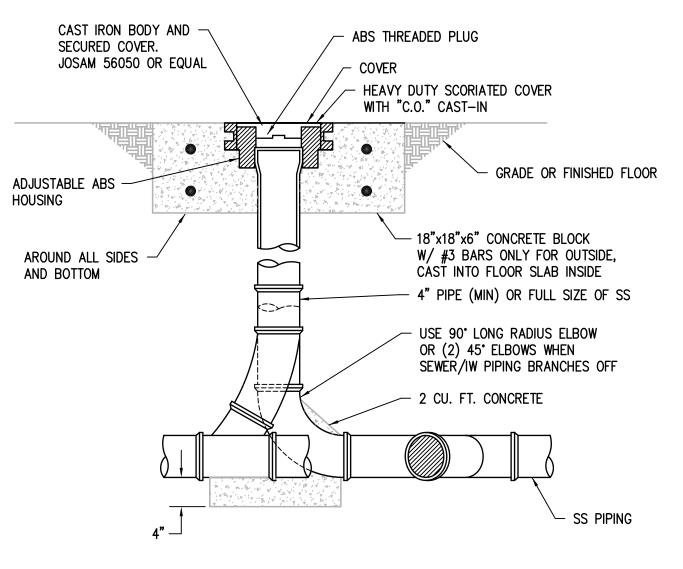
D ELEVATION @ 3-COMP SINK



E PIPE FLASHING DETAIL NO SCALE



F SUPPORT FOR ROOF MOUNTED PIPE

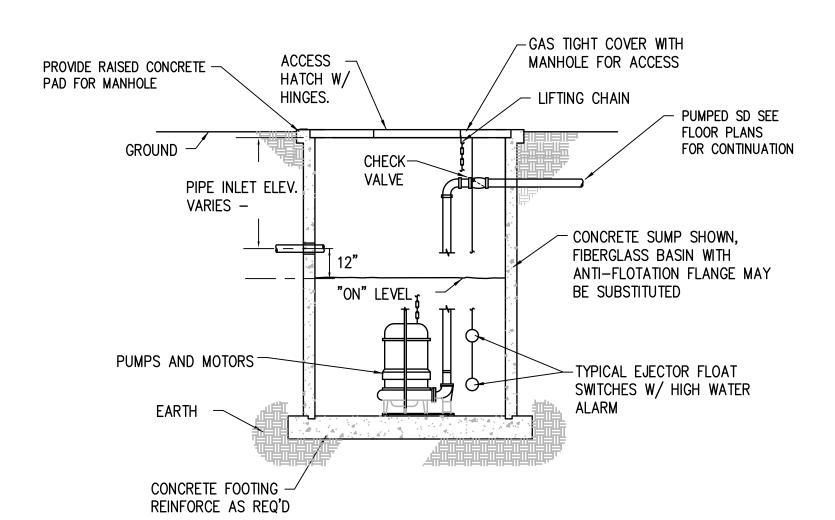


G TYPICAL SS CLEANOUT DETAIL

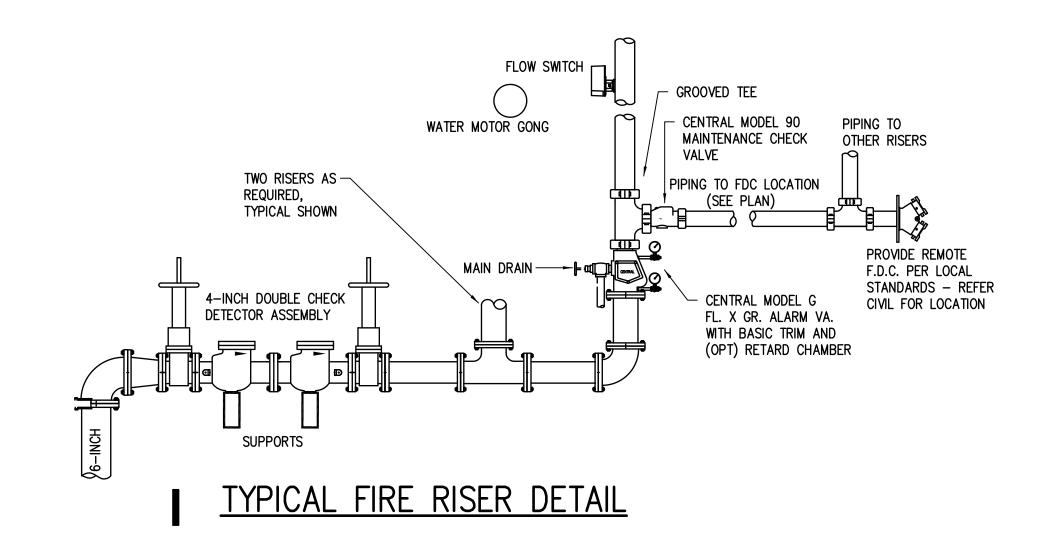
NO SCALE

C GREASE INTERCEPTOR (GI-1) NO SCALE

SECTION "A-A"



H SUB-SURFACE DRAIN SUMP DETAIL



NO SCALE

SYSTEMS MATERIALS SCHEDULE

SYSTEM	MATERIAL	INSULATION		
		THICKNESS	TYPE	JACKET
DOMESTIC CW	TYPE "L" HARD COPPER	REFER SPECS	FIBERGLASS	VAPOR BARRIER
DOMESTIC HW	TYPE "L" HARD COPPER	REFER SPECS	FIBERGLASS	VAPOR BARRIER
LABORATORY ACID WASTE/VENT	POLYPROPYLENE (REFER SPEC)			
SANITARY WASTE — BELOW GRADE	SCHEDULE 40 PVC			
SANITARY VENT	SCHEDULE 40 PVC			
SANITARY VENT (PLENUM SPACES) *1	SWCI HUBLESS			
SANITARY WASTE (PLENUM SPACES) *1	SWCI HUBLESS			
SANITARY WASTE (NON-PLENUM) *2	SCHEDULE 40 PVC			
ROOF DRAIN (VERTICAL) *4	SCHEDULE 40 PVC			
ROOF DRAIN (HORIZONTAL & BODIES)	SCHEDULE 40 PVC	1"	FIBERGLASS	VAPOR BARRIER
STORM DRAIN (BELOW GRADE <=12")	SCHEDULE 40 PVC			
CONDENSATE DRAIN, INSIDE BLDG	TYPE "M" COPPER	1/2"	FIBERGLASS	VAPOR BARRIER
CONDENSATE DRAIN, OUTSIDE BLDG	SCHEDULE 40 PVC			
	_	·		
NATURAL GAS *3	SCHEDULE 40 BLACK STEEL			

REFER SPECIFICATIONS AND M300 FOR ADDITIONAL REQUIREMENTS.

*1 PLENUM SPACES REFER TO ABOVE GRADE AREAS OPEN TO RETURN AIR PLENUMS, PLENUM SPACES INCLUDE CORRIDOR, COMMONS, MEDIA CENTER, ADMINISTRATION. CONTRACTOR TO VERIFY.

*2 NON-PLENUM SPACES REFER TO ABOVE GRADE AREAS WITH DUCTED RETURN AND INCLUDE KITCHEN, CLASSROOMS

4 VERTICAL ROOF DRAIN PIPING EXPOSED TO PLENUM SPACES SHALL BE INSULATED THE SAME AS HORIZONTAL PIPING

CONTRACTOR TO VERIFY

*3 GAS PIPING ON ROOF TO BE PAINTED FOR CORROSION PROTECTION

PLUMBING SYMBOL LEGEND AND ABBREVATIONS

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	WASTE LINE (ABOVE FLOOR)	\rightarrow	BALL VALVE
	WASTE BELOW FLOOR SLAB (SS)		BALL VALVE W/ MEMORY STOP
—SD—	STORM DRAIN	7	CHECK VALVE
—OD—	OVERFLOW (STORM) DRAIN	\rightarrow	COCK
	PLUMBING VENT	₩ <u>Q</u>	MANUAL AIR VENT
	COLD WATER (CW)	AV Ø—	AUTOMATIC AIR VENT
	HOT WATER	————	EXPANSION JOINT
	HOT WATER CIRCULATING		DIRECTION OF PIPE PITCH DOWN
——ccw——	CHILLED COLD WATER (CCW)	——	DIRECTION OF FLUID FLOW
——FCW——	FILTERED COLD WATER (FCW)		THERMOMETER WELL
	CLEAN OUTS WALL / FLOOR		THERMOMETER
	WALL HYDRANT	PG 🕚	PRESSURE GAGE
HB	HOSE BIB	——————————————————————————————————————	PRESSURE GAGE TAPPING
——G——	GAS PIPING	[D A0 R0/00	FLOOR DRAIN / AREA DRAIN / ROOF DRAIN
	PIPE ANCHOR	elev	BOTTOM OF PIPE MARKER
——CD——	CONDENSATE DRAIN	•	POINT OF CONNECTION, NEW TO EXISTING
——G——	GAS PIPING		
CD	CONDENSATE DRAIN		
WC	WATER CLOSET	WC	WATER COOLER
LAV	LAVATORY	WH	WALL HYDRANT
TYP	TYPICAL	НВ	HOSE BIBB
CONT	CONTINUATION	RC	REMOTE CHILLER

MISCELLANEOUS PLUMBING EQUIPMENT SCHEDULE

WH−1: WATER HEATER
A.O. SMITH MODEL BTH 199A, 100 GALLON STORAGE, ASME CONSTRUCTION, 199 MBH INPUT, 230 GPH RECOV.

© 100°F RISE, DIRECT VENT AND SEALED COMBUSTION USING SCHEDULE 40 PVC, 120/1/60, 5 AMPS MAX.

<u>WH-2</u>: ELECTRIC HOT WATER HEATER
A.O. SMITH MODEL DEL-30, 72°F TEMPERATURE RISE AT 17 GPM, 3 kW HEATING ELEMENT, 208/1/60, 14.4 AMPS MAX, 30 GALLONS, WEIGHT 100 LBS. (WITH WATER = 350 LBS)

<u>HWCP-1 & 2</u>: HOT WATER CIRCULATING PUMPS
DOMESTIC HOT WATER CIRCULATING PUMP, 6 GPM, 18 FT HEAD, 3250 RPM, 1/8 HP, 115/1/60,
CONTROLLED BY AQUASTAT OR WATER HEATER CONTROLLER. REFERENCE WATER HEATER DETAILS FOR PIPING REQUIREMENTS AND LOCATIONS.

EXP-1: HOT WATER EXPANSION TANK.

10 GALLON DIAPHRAGM TYPE EXPANSION TANK WITH 4 GALLON ACCEPTANCE. SEE DETAIL D THIS SHEET.

EXP-2: HOT WATER EXPANSION TANK.
2 GALLON DIAPHRAGM TYPE EXPANSION TANK WITH 0.7 GALLON ACCEPTANCE. SEE DETAIL "C" THIS SHEET.

<u>FD-A</u>: FLOOR DRAIN ZURN MODEL 415 WITH TYPE S SQUARE NICKEL BRONZE STRAINER, SURESEAL TRAP GUARD, OR TRAP PRIMER

CONNECTION. SEE FLOOR PLAN FOR PIPE CONNECTION SIZES.

ZURN MODEL 415 WITH TYPE I NICKEL BRONZE STRAINER WITH RAISED FLANGE, SURESEAL TRAP GUARD, OR TRAP PRIMER CONNECTION. SEE FLOOR PLAN FOR PIPE CONNECTION SIZES.

<u>FS-A</u>: FLOOR SINK ZURN MODEL Z1900 12"x12"x6" DEEP, A.R.E. SANIFLOR CAST IRON BODY WITH FULL GRATE, ANCHOR

FLANGE WITH SEEPAGE HOLES AND CLAMP COLLAR, AND SEDIMENT BUCKET. REFER FLOOR PLAN FOR PIPE CONNECTION SIZES.

FS-B: FLOOR SINK
ZURN MODEL Z1910 8"x8"x6" DEEP, A.R.E. SANIFLOR CAST IRON BODY WITH 3/4 GRATE, ANCHOR
FLANGE WITH SEEPAGE HOLES AND CLAMP COLLAR, AND SEDIMENT BUCKET. REFER FLOOR PLAN FOR PIPE

WH: FREEZE-PROOF WALL HYDRANT

WOODFORD B65 FREEZELESS WALL HYDRANT WITH ANTI-SIPHON VACUUM BREAKER AND LOCKABLE CHROME-PLATED BOX & HINGED COVER. INSTALL 18" ABOVE FINISHED FLOOR.

TLV: TEMPERATURE LIMITING VALVE
SYMMONS MAXLINE 5-225-CK FOR 1/2" PIPING AND 5-230-CK FOR 3/4" PIPING, THERMOSTATIC MIXING
VALVE WITH INTEGRAL CHECKS

RD: PRIMARY ROOF DRAIN
ZURN Z121, 12" Ø ROOF DRAIN W/ LOW SILHOUETTE DOME, ASME A112.21.2M, CAST IRON BODY, CAST

IRON DOME, AND UNDER-DECK CLAMP.

ZURN Z121, 12" ROOF DRAIN W/ LOW SILHOUETTE DOME, ASME A112.21.2M, CAST IRON BODY, POLY DOME, 2" INTERNAL WATER DAM AND UNDER-DECK CLAMP.

OD: OVERFLOW ROOF DRAIN

RD/OD COMBINATION DRAIN:

ZURN Z164, 12"Ø MAIN AND OVERFLOW ROOF DRAIN W/ LOW SILHOUETTE DOMES, CAST IRON BODY,
CAST IRON DOMES, 2" INTERNAL WATER DAM. PROVIDE WITH STATIC EXTENSION WHERE REQUIRED.
PROVIDE REQUIRED STRUCTURAL SUPPORT ON ALL SIDES.

<u>DN</u>: DOWNSPOUT NOZZLE ZURN Z-199 BRONZE BODY DOWNSPOUT NOZZLE. PROVIDE REMOVABLE STAINLESS STEEL SCREEN FOR

FIBERGLASS BASIN WITH ANTI-FLOTATION FLANGE AND GAS TIGHT BASIN COVER.

DOWNSPOUTS 8-INCH AND LARGER.

<u>DT-1</u>: DILUTION TANK/TRAP

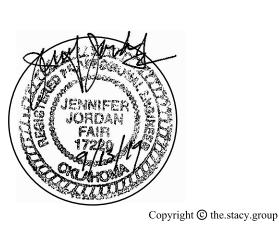
ZURN MODEL Z9A-PHIX, POINT-OF-USE CARTRIDGE ACID NEUTRALIZATION SYSTEM, POLYPROPYLENE BODY
WITH 1-1/2" COMPRESSION INLET AND 1-1/2" NO-HUB OUTLET, CARTRIDGE SUPPORT, REMOVABLE CHAMBER
FOR MAINTENANCE, MAX. FLOW RATE 8 GPM.

RH-A: ROOF HYDRANT WOODFORD SRH-MS, FREEZELESS SANITARY ROOF HYDRANT, DRAINLESS, WITH ASSE1052 LISTED HOSE CONNECTION BACKFLOW PREVENTER, DUAL CHECK, HYDRANT SUPPORT, UNDERDECK FLANGE, WELL SEAL, ADAPTABLE TO PITCHED ROOF.

SP-1: SUMP PUMP
HYDROMATIC MODEL W-A1 SUBMERSIBLE SUMP PUMP, CAST IRON CONSTRUCTION, 18 GPM @ 20' TDH, 1/2
HP, 115/1/60 , 8 FLA, FLOAT SWITCH, 10 FOOT POWER CORD, 24-INCH DIAMETER X 48-INCH DEEP

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PLUMBING DETAILS & SCHEDULES

P301

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