



**WATER HEATER EQUIPMENT SCHEDULE**

MARK	MANUFACTURER	MODEL	DESCRIPTION	SIMULTANEOUS DUAL ELEMENT OPERATION				REMARKS	
				WATTAGE (KW)	FLA	V/PH/Hz	WIDTH		HEIGHT
WH-AN-1	AO SMITH	BTH-120(A)	GAS-FIRED WATER HEATER	35	5	120/1/60	27-3/4"	76"	SEE NOTES.
WH-AS-1	AO SMITH	DRE-120-24	ELECTRIC WATER HEATER	24	28.9	480/3/60	29 1/2"	62 1/4"	SEE NOTES.
WH-AS-2	AO SMITH	DEL-15	ELECTRIC WATER HEATER	6	28.8	208/1/60	18"	26"	SEE NOTES.
WH-AS-3	AO SMITH	BTH-120(A)	GAS-FIRED WATER HEATER	35	5	120/1/60	27-3/4"	76"	SEE NOTES.
WH-B-1	AO SMITH	BTH-150(A)	GAS-FIRED WATER HEATER	44	5	120/1/60	27-3/4"	76"	SEE NOTES.
WH-C-1	AO SMITH	BTH-250(A)	GAS-FIRED WATER HEATER	73	5	120/1/60	27-3/4"	76"	SEE NOTES.
WH-C-2	AO SMITH	BTH-250(A)	GAS-FIRED WATER HEATER	73	5	120/1/60	27-3/4"	76"	SEE NOTES.

- NOTES:  
 1. RECOVERY RATING OF 28 GALLONS PER HOUR AT 90°F RISE AND A MAXIMUM HYDROSTATIC WORKING PRESSURE OF 150 PSI. WATER  
 2. PROVIDE WITH VACUUM RELIEF VALVE EQUAL TO WATTS LFN36-A1  
 3. PROVIDE WITH SEISMIC SUPPORT STRAP EQUAL TO HOLDRITE QUICK STRAP #QS-50.  
 4. PROVIDE WITH AQUASTAT EQUAL TO HONEYWELL L4006A1959.  
 5. PROVIDE WITH GALVANIZED WATER HEATER DRAIN PAN.

**BACKFLOW PREVENTER SCHEDULE**

MARK	MANUFACTURER	MODEL	SIZE	MOUNTING	REMARKS
BFP-1	WATTS	LF007	4"	HORIZONTAL	SEE NOTES
BFP-2	WATTS	LF007	1-1/2"	HORIZONTAL	SEE NOTES
BFP-3	WATTS	LF007	1"	HORIZONTAL	SEE NOTES

- NOTES:  
 1. PIPED FULL SIZE TO FLOOR DRAIN.

**EXPANSION TANK SCHEDULE**

MARK	MANUF.	MODEL	CAPACITY	DIAMETER	HEIGHT	REMARKS
ET-AS-1	WATTS	PLT-12	4.5 GAL	10.5"	13.5"	-
ET-C-1	WATTS	PLT-12	4.5 GAL	10.5"	13.5"	-
ET-AN-1	WATTS	PLT-12	4.5 GAL	10.5"	13.5"	-
ET-AS-2	WATTS	PLT-12	4.5 GAL	10.5"	13.5"	-
ET-B-2	WATTS	PLT-12	4.5 GAL	10.5"	13.5"	-
ET-AS-3	WATTS	PLT-12	4.5 GAL	10.5"	13.5"	-

**CIRCULATING PUMP SCHEDULE**

MARK	MANUFACTURER	MODEL	DESCRIPTION	TOTAL FT HD	V/PH/Hz	HP	REMARKS
CP-AN-1	GRUNDFOS	UPS 15-55SFC	IN-LINE CIRCULATOR	8	115/1/60	1/12	-
CP-AS-1	GRUNDFOS	UPS 15-55SFC	IN-LINE CIRCULATOR	8	115/1/60	1/12	-
CP-AS-2	GRUNDFOS	UPS 15-55SFC	IN-LINE CIRCULATOR	8	115/1/60	1/12	-
CP-AS-3	GRUNDFOS	UPS 15-55SFC	IN-LINE CIRCULATOR	8	115/1/60	1/12	-
CP-B-2	GRUNDFOS	UPS 15-55SFC	IN-LINE CIRCULATOR	8	115/1/60	1/12	-
CP-C-2	GRUNDFOS	UPS 15-55SFC	IN-LINE CIRCULATOR	8	115/1/60	1/12	-

**ELEVATOR SUMP PUMP SCHEDULE**

MARK	MFR	MODEL	DISCHARGE	MAX GPM	TOTAL FT HD	AMPS	V/PH/Hz	MOTOR HP	REMARKS
SP-1	GOULDS	LSP07-11F	1-1/2"	50	17	7.1	115/1/60	3/4	SEE NOTES.

- NOTES:  
 1. COORDINATE SUMP PUMP INSTALLATION WITH GENERAL & ELECTRICAL CONTRACTORS.  
 2. PROVIDE FLOAT SWITCH, CHECK VALVE, AND GATE VALVE IN DISCHARGE PIPING. SEE DETAIL.  
 3. ELEVATOR AND AUDITORIUM SUMP PUMP DISCHARGE TO BE ROUTED TO PERFORATED DRAIN PIPE FOR STORM WATER DISCHARGE. SEE CIVIL.

**KITCHEN EQUIPMENT SCHEDULE**

MARK	DESCRIPTION	FIXTURE DATA				REMARKS
		WASTE	GAS	C.W.	H.W.	
KE-006	ICE MAKER WITH BIN			1/2"	-	SEE NOTES
KE-008	WORK TABLE W/ SINK AND DRAWER	FS	-	1/2"	1/2"	SEE NOTES
KE-009	PREPARATION SINKS	2"	-	1/2"	1/2"	SEE NOTES
KE-011	THROUGH DRAIN	3"	-	-	-	SEE NOTES
KE-028	3-COMPARTMNT SINK UNIT	FS	-	3/4"	3/4"	SEE NOTES
KE-035	WORK TABLE W/ SINK	FS	-	1/2"	1/2"	SEE NOTES
KE-040	DROP IN HOT WELLS	FS	-	-	1/2"	SEE NOTES
KE-041	DROP IN HOT WELLS	FS	-	-	1/2"	SEE NOTES
KE-047	DROP IN HOT WELLS	FS	-	-	1/2"	SEE NOTES
KE-048	DROP IN HOT WELLS	FS	-	-	1/2"	SEE NOTES
KE-054	DROP IN HOT WELLS	FS	-	-	1/2"	SEE NOTES
KE-079	ICE AND WATER DISPENSERS	FS	-	1/2"	-	SEE NOTES
KE-098	DEMONSTRATION WORK COUNTER	1-1/2"	-	1/2"	1/2"	SEE NOTES
KE-103	STUDENT SINK	1 1/2"	-	1/2"	1/2"	SEE NOTES
KE-104	PREPARATION SINKS	2"	-	1/2"	1/2"	SEE NOTES
KE-111	3-COMPARTMNT SINK UNIT	FS	-	1/2"	1/2"	SEE NOTES
KE-127	ICE AND WATER DISPENSERS	FS	-	1/2"	-	SEE NOTES

**PLUMBING FIXTURE SCHEDULE**

MARK	DESCRIPTION	FIXTURE DATA	WASTE	VENT	C.W.	H.W.	REMARKS
ANT-1	ACID NEUTRALIZATION TANK	*STRIEM #LB-50 LAB BASIN NEUTRALIZATION TANK. 57 GAL. CAPACITY.	4"	-	-	-	SEE NOTES
DF-1	ADA DRINKING FOUNTAIN	HIGH-LOW WALL MOUNTED ADA DRINKING FOUNTAIN WITH BOTTLE FILLER EQUAL TO ELKAY #LZSTL8WSPP. PROVIDE A CANE DETECTION APRON.	1-1/2"	2"	1/2"	-	SEE NOTES
DS-1	DOWNSPOUT	DOWNSPOUT NOZZLE, CAST NICKEL BRONZE WITH ANCHOR FLANGE, COUNTERSUNK MOUNTING HOLES AND THREADED CONNECTION. 6" OUTLET. EQUAL TO WATTS #RD-948.	6"	-	-	-	SEE NOTES
DS-2	DOWNSPOUT	DOWNSPOUT NOZZLE, CAST NICKEL BRONZE WITH ANCHOR FLANGE, COUNTERSUNK MOUNTING HOLES AND THREADED CONNECTION. 8" OUTLET. EQUAL TO WATTS #RD-948.	8"	-	-	-	SEE NOTES
EWS-1	ADA EYE WASH STATION	ADA DRENCH SHOWER AND EYEWASH STATION EQUAL TO BRADLEY CORP #S19314. HIGH VISIBILITY ABS PLASTIC, STAY-OPEN VALVE. ANSI Z358.1 COMPLIANT. PROVIDE MIXING VALVE EQUAL TO BRADLEY CORP #S1919-2150 (EPX20).	-	-	1 1/4"	-	SEE NOTES
FCO	CLEANOUT	FLOOR CLEAN OUT	-	-	-	-	SEE NOTES
FD-1	FLOOR DRAIN	FLOOR DRAIN EQUAL TO ZURN # Z4155	3"	2"	-	-	SEE NOTES
FS-1	FLOOR SINK	FLOOR SINK WITH FUNNEL, 8.5"x8.5"x6", NICKEL BRONZE RIM AND GRATE WITH 6" DIAMETER FUNNEL. 2" OUTLET. FLOOR SINK SHALL BE SET 1/2" TO 1" ABOVE THE FINISHED FLOOR AND SHALL BE LOCATED SO AS NOT TO CREATE A TRIPPING HAZARD. EQUAL TO JR SMITH #S100.	3"	2"	-	-	SEE NOTES
FS-2	FLOOR SINK	FLOOR SINK WITH HINGED COVER, 12"x12"x2", CAST IRON WITH ACID-RESISTING ENAMEL. EQUAL TO WADE #9140.	3"	2"	-	-	SEE NOTES
GCO	CLEANOUT	GRADE CLEAN OUT	-	-	-	-	SEE NOTES
GI-1	GREASE INTERCEPTOR	GREASE INTERCEPTOR EQUAL TO JENSEN PRECAST #JPJ-2000-EE-G, 2000 GALLON	4"	2"	-	-	SEE NOTES
HB-1	WALL HYDRANT	WALL HYDRANT EQUAL TO ZURN #Z1320XL. PROVIDE WITH LOCKABLE DOOR WITH KEY HANDLE ACCESS.	-	-	3/4"	-	SEE NOTES
HD-1	HUB DRAIN	HUB DRAIN. LACOQUERED 5" DIAMETER CAST IRON HUB DRAIN WITH ANCHOR FLANGE TO W/PH/Hz, STAINLESS STEEL STRAINER AND INDIRECT WASTE HUB. EQUAL TO MIFAB #F1100-DD.	3"	2"	-	-	SEE NOTES
HS-1	HAND SINK	HAND SINK EQUAL TO ADVANCE TABCO #7-PS-49, WITH GOOSENECK FAUCET.	1 1/2"	2"	1/2"	1/2"	SEE NOTES
IM-1	ICE MAKER	ICE MAKER OUTLET BOX WITH LEAD FREE HAMMER ARRESTER VALVE EQUAL TO GUY GRAY #MB1HAAB	-	-	1/2"	-	SEE NOTES
L-1	ADA RECTANGULAR LAVATORY	ADA 21" RECTANGULAR UNDERMOUNT SINK EQUAL TO KOHLER #K-2214. PROVIDE ADA COMPLIANT LAVATORY FAUCET EQUAL TO KOHLER #K-97093-4.	1 1/2"	2"	1/2"	1/2"	SEE NOTES
L-2	ADA CIRCULAR LAVATORY	19-1/4" x 16-1/4" ADA COMPLIANT OVAL VITREOUS CHINA LAVATORY EQUAL TO KOHLER K-2210-N. PROVIDE TWO HANDLE CENTERSET LAVATORY FAUCET EQUAL TO KOHLER #K-97093-4.	1 1/2"	2"	1/2"	1/2"	SEE NOTES
LS-1	LAB SINK	SCIENCE LAB STUDENT STATION	1 1/4"	2"	1/2"	1/2"	SEE NOTES
MS-1	MOP SINK	PROFLO #PFMB2424 HIGH DENSITY COMPOSITE FLOOR MOUNTED MOP SINK WITH STAINLESS STEEL GAP ON THRESHOLD. 24"x24"x12", HOSE AND WALL BRACKET, 3-STATION MOP HANGER AND STAINLESS STEEL FLAT STRAINER. FURNISH STAINLESS STEEL WALL PANELS ON BACK AND ADJACENT WALL. PROVIDE WALL HUNG SERVICE SINK FAUCET EQUAL TO ZURN #Z1998-5F.	3"	2"	1/2"	1/2"	SEE NOTES
MS-2	NON-FREEZE WALL HYDRANT	NON-FREEZE WALL HYDRANT EQUAL TO ZURN #Z1320XL	-	-	3/4"	-	SEE NOTES
NFWH-1	NON-FREEZE WALL HYDRANT	NON-FREEZE WALL HYDRANT EQUAL TO ZURN #Z1320XL	-	-	3/4"	-	SEE NOTES
RD-1	PRIMARY ROOF DRAIN	PRIMARY ROOF DRAIN. ZURN Z-100, DURA-COATED CAST IRON BODY W/ COMB. FLASHING CLAMP, GRAVEL STOP, AND POLYETHYLENE DOME	6"	-	-	-	SEE NOTES
RD-2	SECONDARY ROOF DRAIN	SECONDARY ROOF DRAIN. ZURN Z-100, DURA-COATED CAST IRON BODY W/ COMB. FLASHING CLAMP, GRAVEL STOP, AND POLYETHYLENE DOME	6"	-	-	-	SEE NOTES
RD-3	PRIMARY ROOF DRAIN	PRIMARY ROOF DRAIN. ZURN Z-100, DURA-COATED CAST IRON BODY W/ COMB. FLASHING CLAMP, GRAVEL STOP, AND POLYETHYLENE DOME	4"	-	-	-	SEE NOTES
RD-4	SECONDARY ROOF DRAIN	SECONDARY ROOF DRAIN. ZURN Z-100, DURA-COATED CAST IRON BODY W/ COMB. FLASHING CLAMP, GRAVEL STOP, AND POLYETHYLENE DOME	4"	-	-	-	SEE NOTES
S-1	ADA SINK	ADA 21" RECTANGULAR UNDERMOUNT SINK EQUAL TO KOHLER #K-2214. PROVIDE ADA COMPLIANT LAVATORY FAUCET EQUAL TO AMERICAN STANDARD #7545.170	1 1/2"	2"	1/2"	1/2"	SEE NOTES
S-2	ADA SINK	ADA 18" x 15" SINGLE BOWL DROP IN SINK EQUAL TO ELKAY #LRAD151785P-D. PROVIDE ADA COMPLIANT LAVATORY FAUCET EQUAL TO AMERICAN STANDARD #7545.170	1 1/2"	2"	1/2"	1/2"	SEE NOTES
S-3	ADA SINK	ADA 37" x 22" DOUBLE BOWL DROP IN SINK EQUAL TO ELKAY #LRAD372260. PROVIDE ADA COMPLIANT LAVATORY FAUCET EQUAL TO AMERICAN STANDARD #7545.170	1 1/2"	2"	1/2"	1/2"	SEE NOTES
S-4	SINK	STAINLESS STEEL SINK. 36"x18". ONE COMPARTMENT, ADA COMPLIANT. PROVIDE FAUCET WITH PULL DOWN HANDLE.	3"	2"	1/2"	1/2"	SEE NOTES
SH-1	SHOWER ENCLOSURE	SHOWER PAN EQUAL TO PROFLO #PFSB3636WH. PROVIDE TRIM EQUAL TO KOHLER #K-TS15621-4. PROVIDE VALVE EQUAL TO KOHLER #K-8300-K. PROVIDE 1.5 GPM SHOWER HEAD EQUAL TO KOHLER #K-72416.	2"	2"	1/2"	1/2"	SEE NOTES
SH-2	ADA SHOWER ENCLOSURE	ADA SHOWER PAN EQUAL TO FREEDOM SHOWERS #AFP6060FPANDE. PROVIDE VALVE EQUAL TO DELTA R-10000-UN. PROVIDE ADA TRIM EQUAL TO DELTA #131H152-25.	2"	2"	1/2"	1/2"	SEE NOTES
U-1	ADA URINAL	WALL MOUNTED ADA COMPLIANT TOP SPUD VITREOUS CHINA URINAL EQUAL TO AMERICAN STANDARD #590.001. PROVIDE 0.5 GPM MANUAL FLUSH VALVE EQUAL TO AMERICAN STANDARD #6045051.002	2"	2"	3/4"	-	SEE NOTES
US-1	UTILITY SINK	24" X 18" UTILITY SINK EQUAL TO GRIFFIN MEDINA MODEL #LT-148-228. INCLUDE FAUCET, DRAIN, AND INSTALL KIT.	2"	2"	1/2"	1/2"	SEE NOTES
W-1	ADA WATER CLOSET	ADA COMPLIANT VITREOUS CHINA FLOOR MOUNTED 1.28 GPF FLUSH VALVE WATER CLOSET EQUAL TO AMERICAN STANDARD #2857.128. PROVIDE ELONGATED TOILET SEAT EQUAL TO AMERICAN STANDARD #5901.100.	4"	2"	1"	-	SEE NOTES
WB-1	WASHER BOX	CENTER DRAIN GALVANIZED WASHING MACHINE OUTLET BOX EQUAL TO GUY GRAY #B200	2"	2"	1/2"	1/2"	SEE NOTES
WCO	CLEANOUT	FULL SIZE WALL CLEANOUT	-	-	-	-	SEE NOTES

- NOTES:  
 1. PROVIDE LAVATORIES WITH TEMPERATURE LIMITING DEVICE EQUAL TO WATTS USG-B THERMOSTATIC MIXING VALVES WITH **ASSE 1070** APPROVAL. SEE DETAIL.  
 2. PROVIDE TRAP SEAL EQUAL TO ZURN Z1072 FOR TRAPS SUBJECT TO EVAPORATION AS REQUIRED BY SECTION 1002.4 OF THE IPC 2021.  
 3. PROVIDE FULL SIZE CLEANOUTS.  
 4. ITEMS SPECIFIED IN THIS SCHEDULE ARE LISTED AS STANDARD. COMPARABLE ITEMS MAY BE SUBMITTED FOR APPROVAL MEETING THIS STANDARD.

**INSTANTANEOUS WATER HEATER**

MARK	MFR	MODEL	DESCRIPTION	TEMPERATURE RISE	ELEMENT WATTAGE (KW)	AMPS	V/PH/Hz	WIDTH	HEIGHT	REMARKS
IWH-1	EEMAX	AM005240T	INSTANTANEOUS WATER HEATER	49°F @ 1.0 GPM	3.6	17	208/1/60	5.23"	13.72"	1,2,3,4
IWH-2	EEMAX	AM010240T	INSTANTANEOUS WATER HEATER	51°F @ 1.0 GPM	7.5	36	208/1/60	5.23"	13.72"	1,2,3,5

- NOTES:  
 1. LAVATORY WATER HEATERS SHALL BE FACTORY PRESET TO 105 °F  
 2. MINIMUM OPERATING PRESSURE: 30 PSI  
 3. MAXIMUM OPERATING PRESSURE: 150 PSI  
 4. PROVIDE IWH-1 WITH 0.5 GPM FLOW CONTROL  
 5. PROVIDE IWH-2 WITH 1.0 GPM FLOW CONTROL

**GENERAL NOTES**

- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS (DO NOT SCALE FOR LOCATIONS). THE CONTRACTOR SHALL PROVIDE A COMPLETE AND FUNCTIONAL HEATING, VENTILATING, AND AIR CONDITIONING SYSTEM (HVAC) AS INDICATED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS AS INDICATED.
- REMOVE CONNECTING UTILITIES (WATER, DRAINAGE, POWER, GAS, ETC.) AS INDICATED OR NECESSARY FOR FUTURE RECONNECTION IF REQUIRED.
- CONTRACTOR SHALL EMPLOY WORKMEN WHO ARE TRAINED AND EXPERIENCED IN NECESSARY SKILLS TO PERFORM DEMOLITION WORK.
- CONTRACTOR SHALL USE APPROPRIATE TOOLS AND SHALL NOT IMPART EXCESSIVE VIBRATIONS TO THE EXISTING STRUCTURE OR OTHER BUILDING COMPONENTS.
- COORDINATE PIPING WITH EXISTING STRUCTURAL, ELECTRICAL, HVAC, COMMUNICATION, AND FIRE PROTECTION. MAKE OFFSETS AND TRANSITIONS TO COORDINATE WITH OTHER TRADES WITHOUT ANY ADDITIONAL EXPENSE TO THE OWNER. CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS OF TRADES.
- ALL NEW & DEMOLISHED PIPING PENETRATIONS SHALL BE FULLY SEALED WATERTIGHT.
- EQUIPMENT AND MATERIALS SHALL CONFORM WITH APPROPRIATE PROVISIONS OF ASME, ASTM, UL, NEMA, ANSI, ASHRAE, NFPA, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.
- ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHEST STANDARD SHALL APPLY. THE CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD.
- PROVIDE AND INSTALL ALL "P" TRAPS, MANIFOLDS, DRAIN LINES, SHUT-OFFS, GREASE TRAPS & BACKFLOW PREVENTORS AS REQUIRED BY EQUIPMENT AND/OR LOCAL CODES.
- IF WATER PRESSURE AT EQUIPMENT AREA EXCEEDS 40 P.S.I. FLOW PRESSURE, INSTALL A PRESSURE REDUCING VALVE ON BOTH THE MAIN HOT AND COLD WATER SUPPLY LINES.
- LOCATE AND FURNISH ALL AREA FLOOR DRAINS UNLESS OTHERWISE SPECIFIED.
- ALL INDIRECT WASTES EXCEEDING 24" IN LENGTH SHALL BE TRAPPED.
- PROVIDE CLEANOUTS REQUIRED, & AT THE BASE OF ALL STACKS.
- PROVIDE FIXTURE STOPS AT ALL PLUMBING FIXTURES.
- PROVIDE ALL FITTING & ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.
- PROVIDE AUTOMATIC BALANCING VALVES IN ALL HWR CIRCUITS.
- INSULATE ALL PIPING USING FIBERGLASS INSULATION TO MEET THE MINIMUM REQUIREMENTS OF THE ARKANSAS ENERGY CODE. VAPOR BARRIER SHALL BE MAINTAINED THROUGHOUT PIPING SYSTEM. SEE SPECIFICATIONS.
- INSULATE BOTTOM OF ROOF DRAINS AND BRANCH LINES FROM DRAIN TO DOWNSPOUT. SEE SPECIFICATIONS.

**BID DRAWINGS**

- THESE DRAWINGS ARE FOR BIDDING PURPOSES ONLY. THESE ARE NOT CONSTRUCTION DRAWINGS.
- REVISIONS DUE TO COMMENTS RECEIVED FROM STATE REVIEW AGENCIES, OWNER PROVIDED EQUIPMENT, AND COORDINATION BETWEEN ALL TRADES WILL BE INCORPORATED INTO THE FINAL CONSTRUCTION DRAWINGS SET.
- PROVIDE ALL NECESSARY UTILITIES, ACCESSORIES AND APPURTENANCES REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM AT ALL OWNER FURNISHED EQUIPMENT. COORDINATE REQUIREMENTS WITH ACTUAL EQUIPMENT TO BE INSTALLED.

**PLUMBING LEGEND**

\*\*NOT ALL SYMBOLS MAY BE USED\*\*

SYMBOL	ABB.	DESCRIPTION
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HWR	DOMESTIC HOT WATER RECIRC.
	S	SANITARY
	CD	CONDENSATE DRAIN
	SD	STORM DRAIN
	V	SANITARY VENT
		UNDERGROUND PIPING
	ID	PIPE TURN DOWN
	IU	PIPE TURN UP
	BV	BALL VALVE
	GV	GATE VALVE
	CV	CHECK VALVE
	BV	BALANCING VALVE
	BV	BUTTERFLY VALVE

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - L489, L905
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - L497, U905, U916
  - SMOKE PARTITION

ARCH 1010

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**PROJECT NAME**  
 WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**  
 800 E JACKSON AVE  
 WYNNE AR 72396

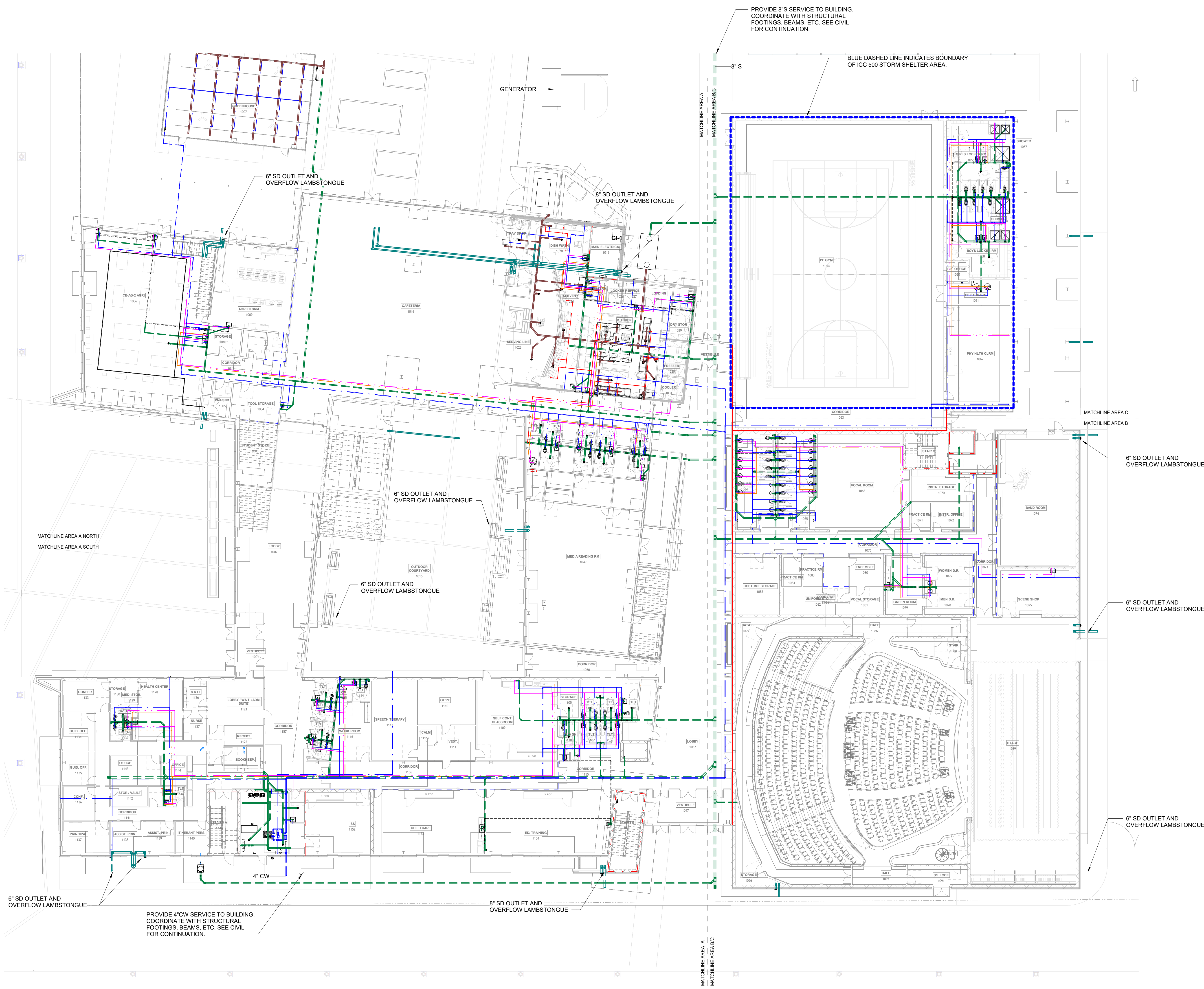
**PROJECT NUMBER**  
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**DEVELOPER/OWNER**  
 WYNNE SCHOOL DISTRICT

**INFORMATION**

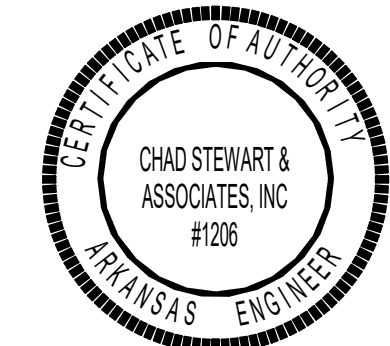


Revision Description Date



**1 FIRST FLOOR PLAN - PLUMBING**  
 1/16" = 1'-0"

SCALE: 1/16" = 1'-0"  
 0' 8' 16' 32'



**SHEET TITLE**  
 FIRST FLOOR PLAN - PLUMBING

**DATE**  
 17.10.24

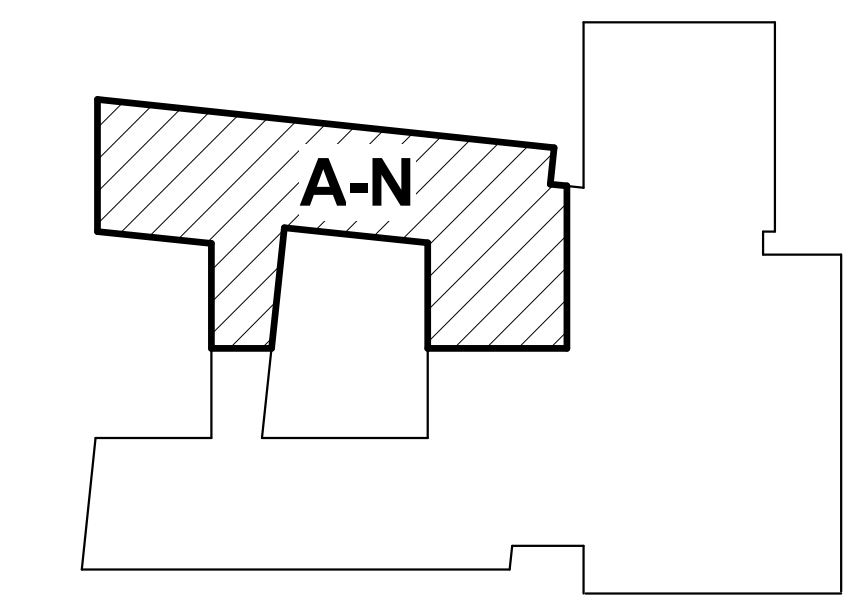
**SHEET NUMBER**

**P101**

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U995
  - 2 HR FIRE WALL (BUILDING SEPARATION WALLS)
  - UL DESIGN NUMBERS - U487, U995, U916
  - SMOKE PARTITION

**KEYPLAN**



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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

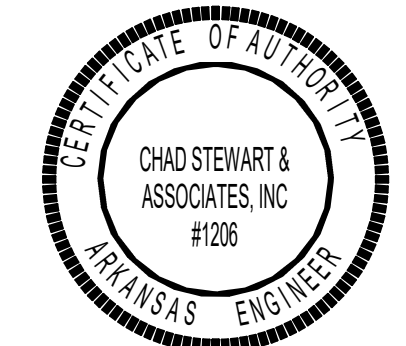
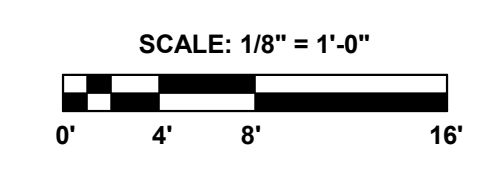
**INFORMATION**



Revision: 4 Description: AEC (A) Comments: Date: 10/20/24



**1 FIRST FLOOR PLAN - AREA A NORTH - DWV**  
1/8" = 1'-0"



**SHEET TITLE**  
FIRST FLOOR PLAN - AREA A NORTH - DWV

**DATE**  
17.10.24

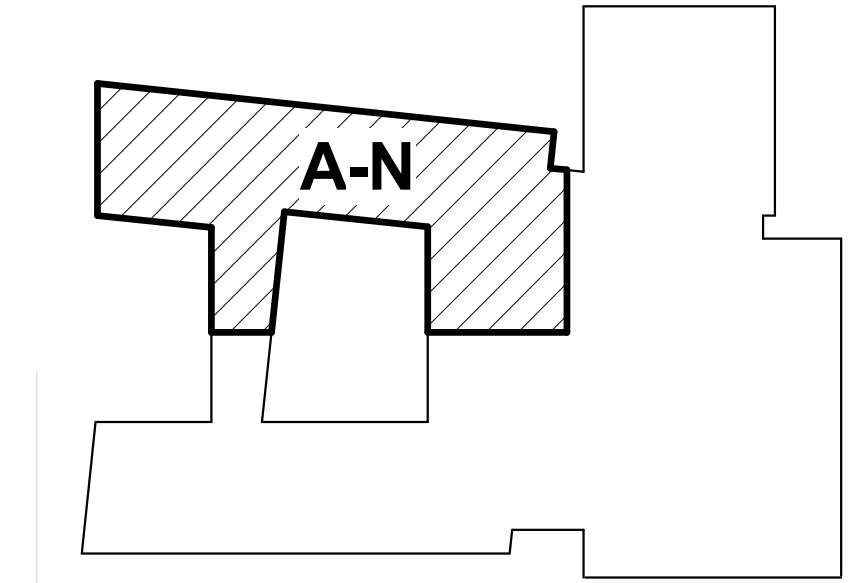
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**P101.1**

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U995
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

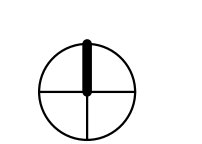
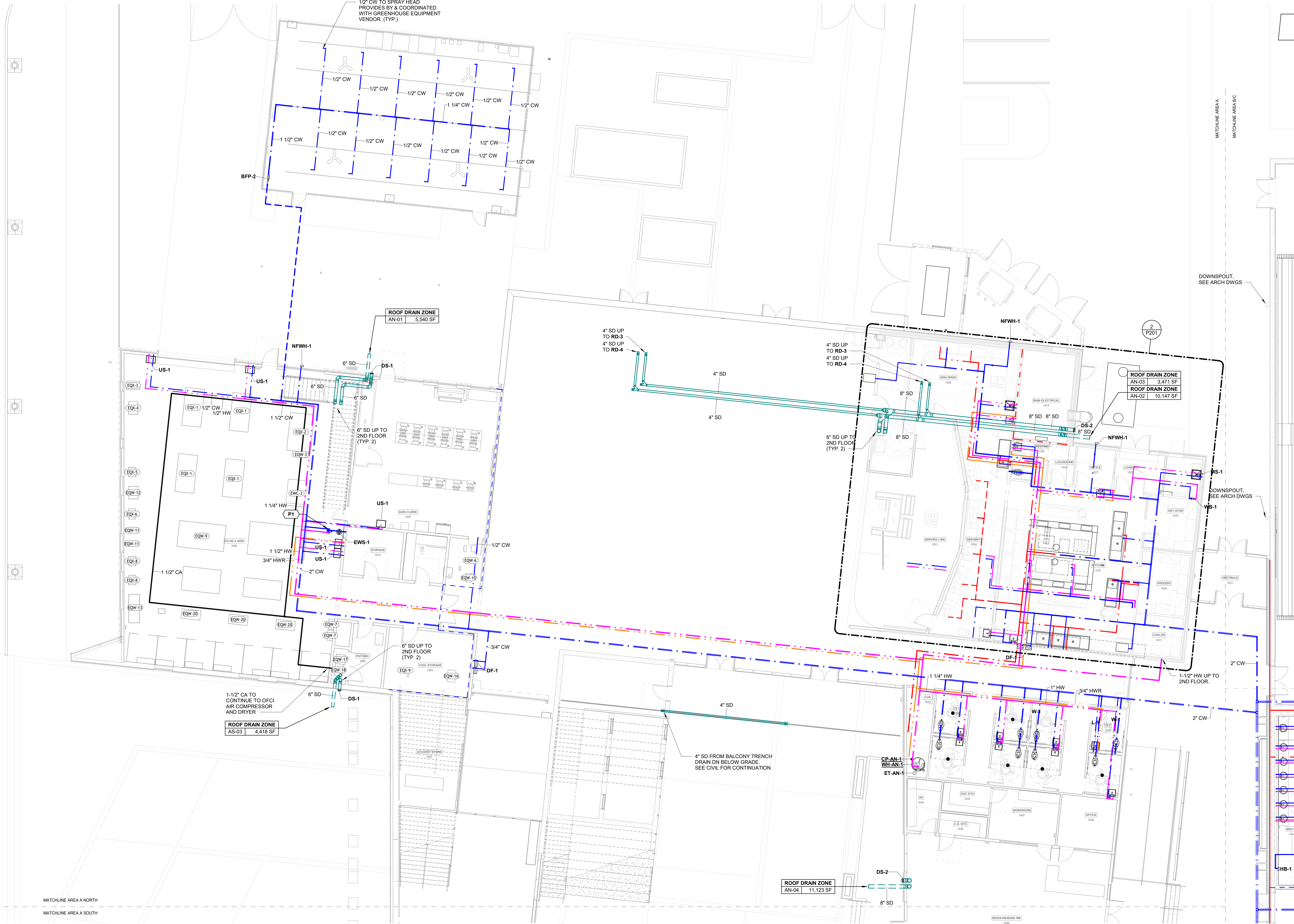
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

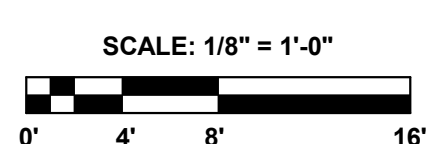
**INFORMATION**



Revision: 1 Description: AEC (A/C) Comments: Date: 10/10/2024



**1 FIRST FLOOR PLAN - AREA A NORTH - PLUMBING**  
1/8" = 1'-0"



**CSA** PROJECT NO: 24122  
Chad Stewart & Associates, Inc.  
9720 Village Circle Lakeland, TN 38002  
Phone 901-260-7850 CSAEngineeringInc.com

**SHEET TITLE**

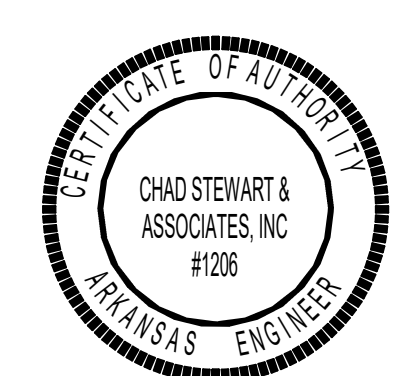
FIRST FLOOR PLAN - AREA A NORTH - PLUMBING

**DATE**

17.10.24

**SHEET NUMBER**

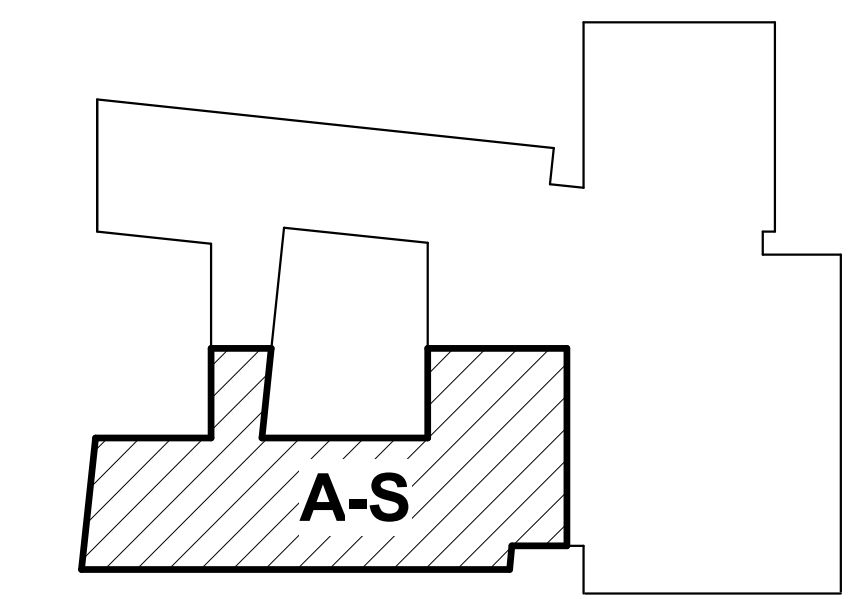
**P101.2**



**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U985
  - 2 HR FIRE WALL (BUILDING SEPARATION WALLS)
  - UL DESIGN NUMBERS - U487, U985, U916
  - SMOKE PARTITION

**KEYPLAN**



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**POLK  
STANLEY  
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801 South Spring Street  
Little Rock, AR 72201  
501.378.0878 office  
www.polkstanleywilcox.com



**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

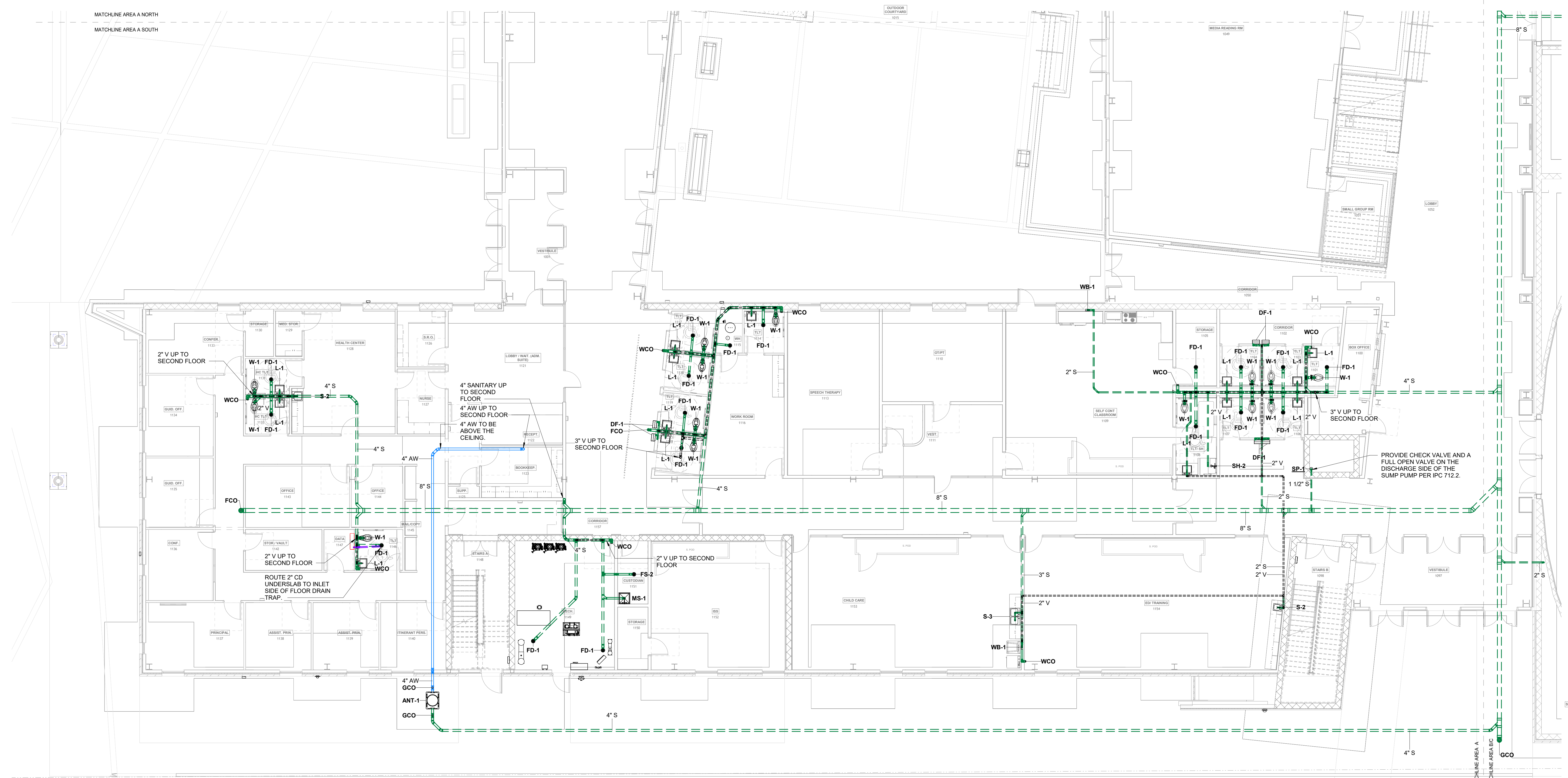
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

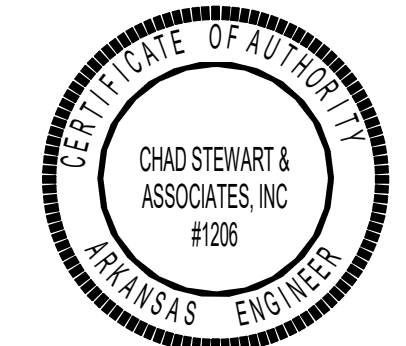
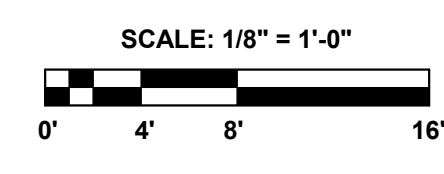
**INFORMATION**



Revision: 1 Description: AEC/ACI Comments Date: 10/10/2024



**1 FIRST FLOOR PLAN - AREA A SOUTH - DWV**  
1/8" = 1'-0"



**SHEET TITLE**

FIRST FLOOR PLAN - AREA A SOUTH - DWV

**DATE**

17.10.24

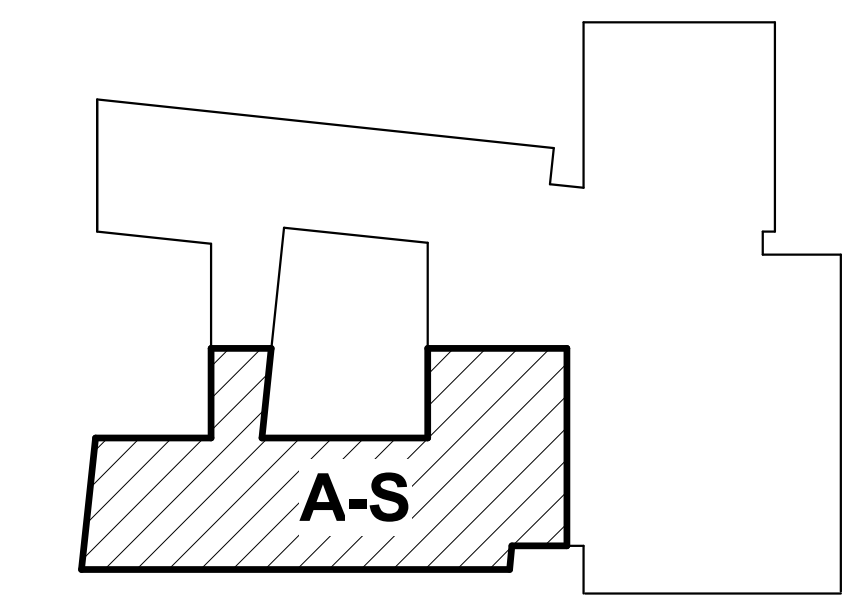
**SHEET NUMBER**

**P101.3**

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U995
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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**POLK  
STANLEY  
WILCOX**

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www.polkstanleywilcox.com



**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

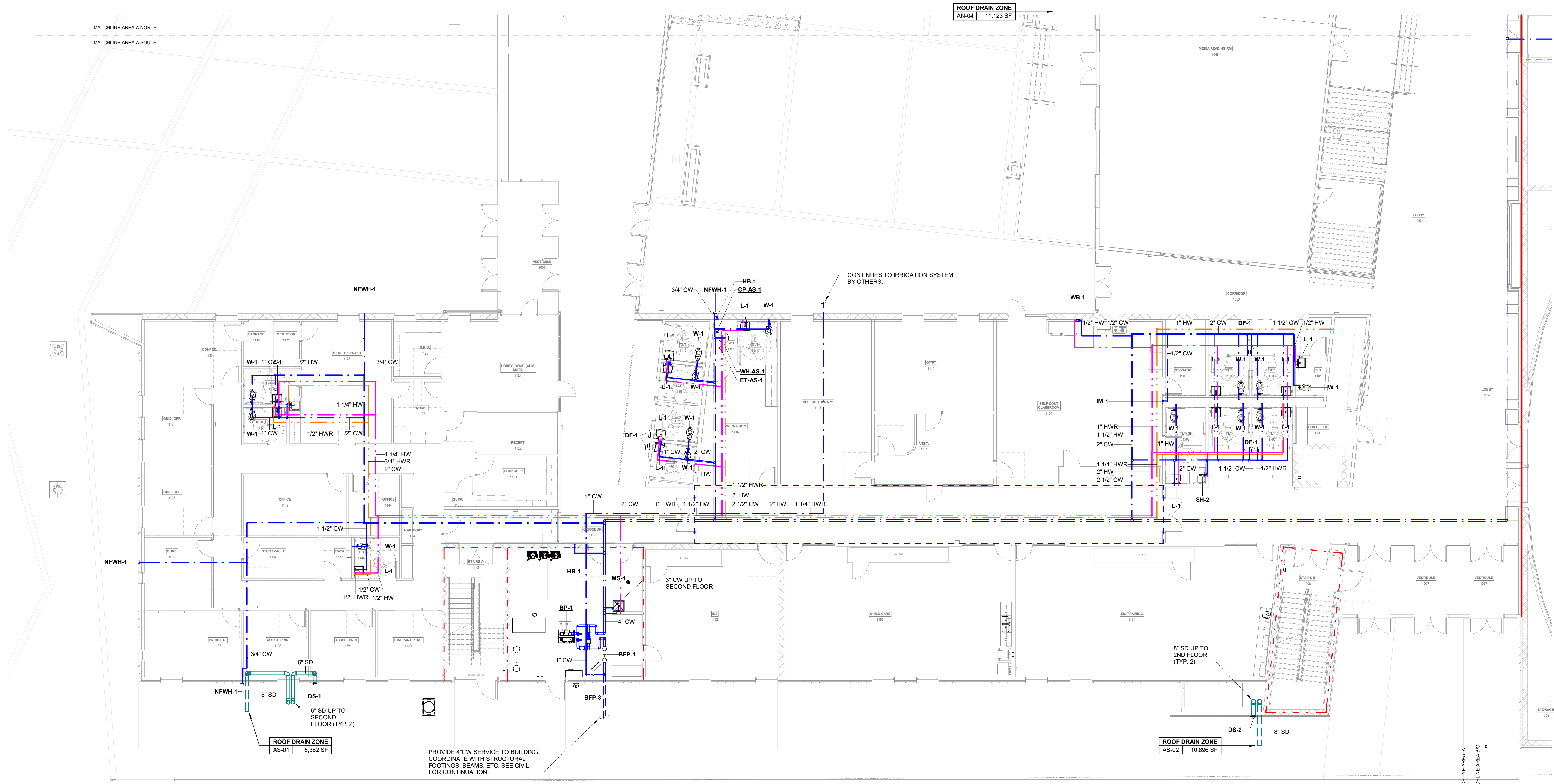
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

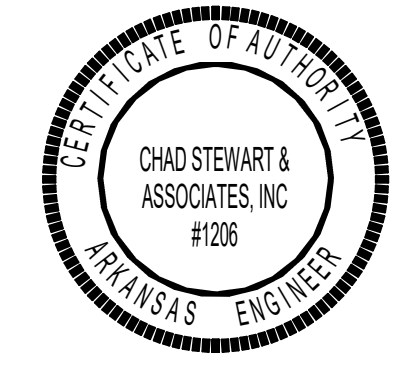
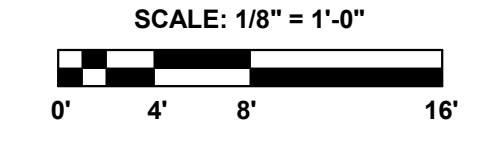
**INFORMATION**



Revision: 4 Description: AEC (A) Comments: Date: 10/10/2024



**1 FIRST FLOOR PLAN - AREA A SOUTH - PLUMBING**  
1/8" = 1'-0"



**SHEET TITLE**  
FIRST FLOOR PLAN -  
AREA A SOUTH -  
PLUMBING

**DATE**  
17.10.24

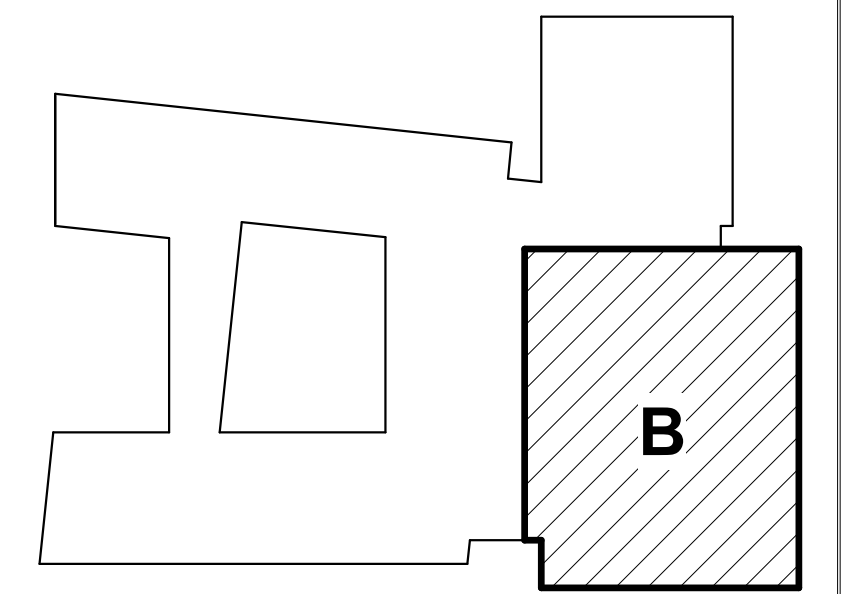
**SHEET NUMBER**

**P101.4**

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U995
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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 501-378-0878 office  
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CONSULTANT / SEAL



**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
 WYNNE AR 72396

**PROJECT NUMBER**

-

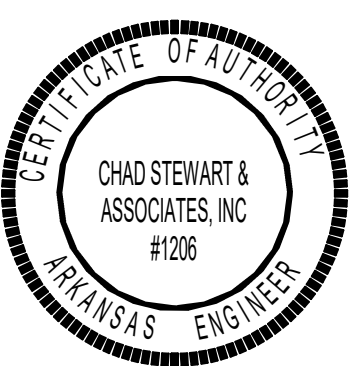
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

**INFORMATION**



Revision Description Date



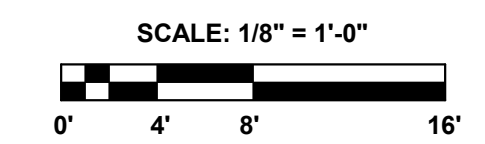
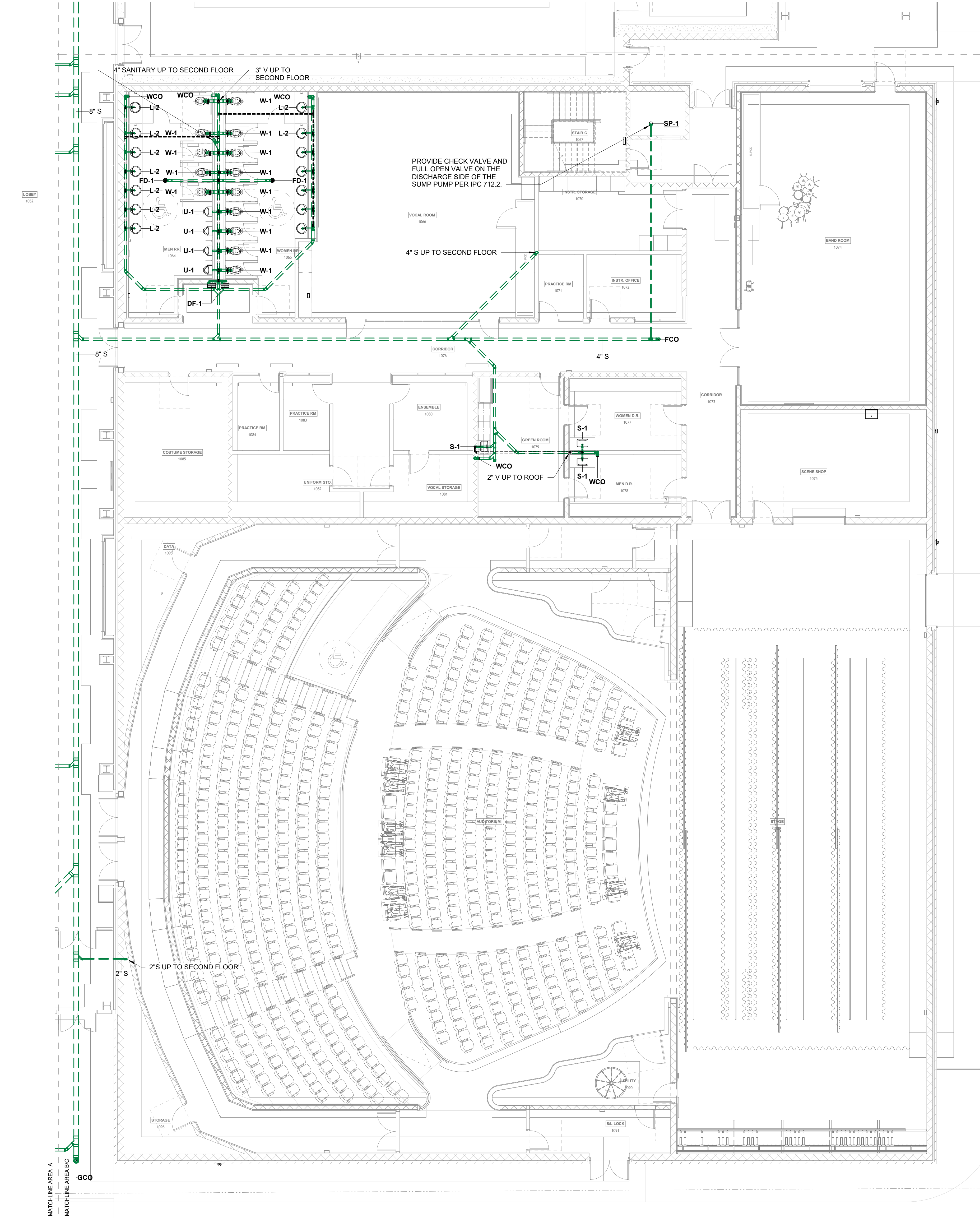
**SHEET TITLE**  
 FIRST FLOOR PLAN - AREA B - DWV

**DATE**  
 17.10.24

**SHEET NUMBER**

**P101.5**

**CSA** PRODUCT NO. 24122  
 Chad Stewart & Associates, Inc.  
 9720 Village Circle Lakeland, TN 38002  
 Phone 901-260-7850 CSAengineeringinc.com

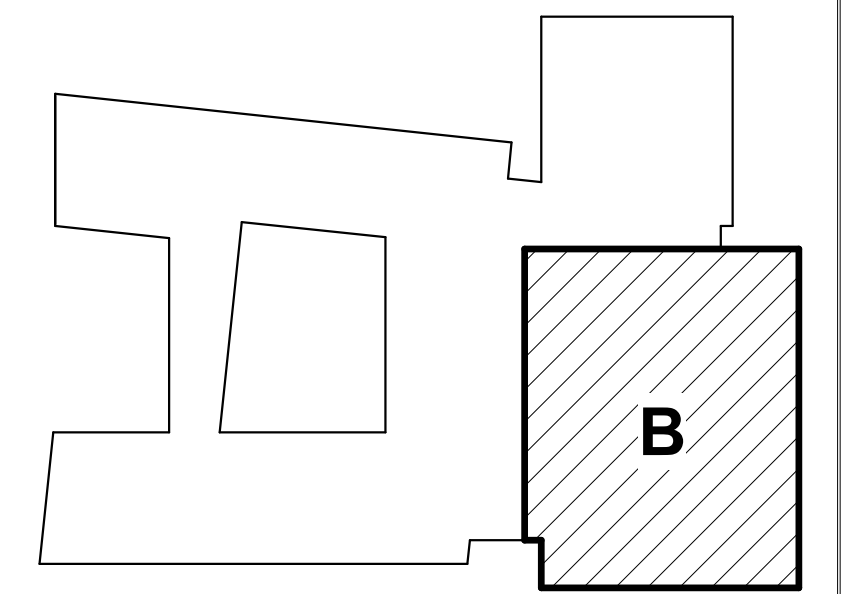


**1 FIRST FLOOR PLAN - AREA B - DWV**  
 1/8" = 1'-0"

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U995
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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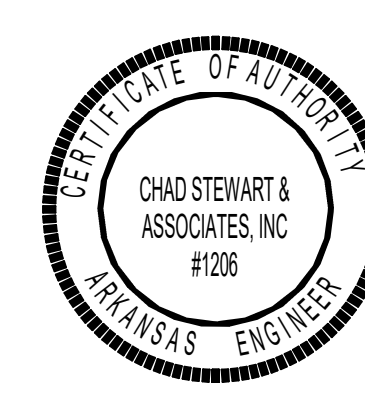


**PROJECT NAME**  
 WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**  
 800 E JACKSON AVE  
 WYNNE AR 72396

**PROJECT NUMBER**  
 -

**DEVELOPER/OWNER**  
 WYNNE SCHOOL DISTRICT

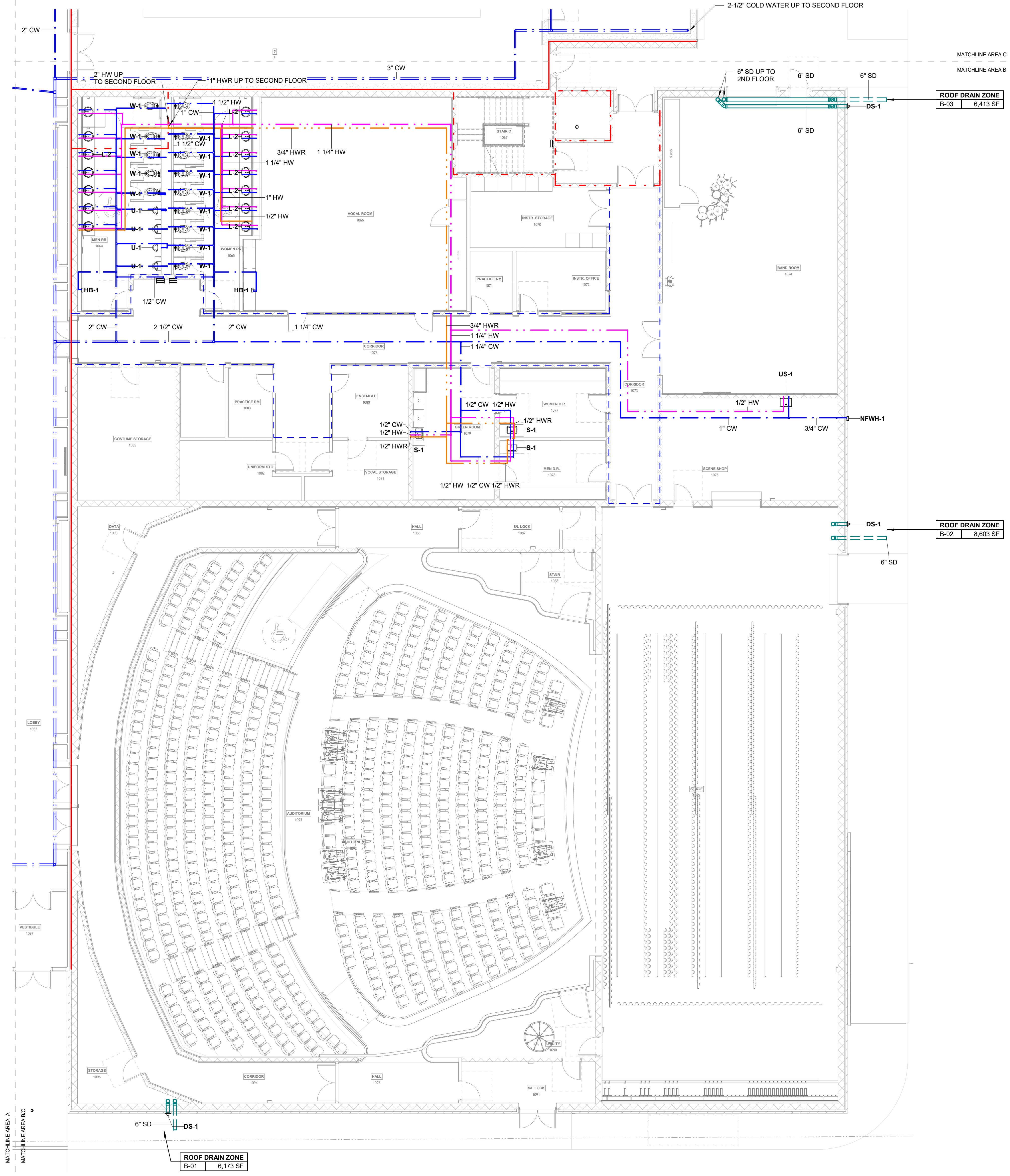


**SHEET TITLE**  
 FIRST FLOOR PLAN - AREA B - PLUMBING

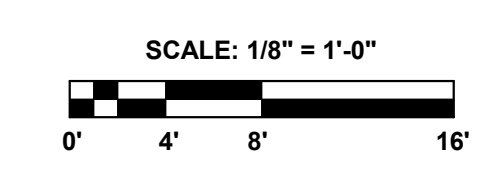
**DATE**  
 17.10.24

**SHEET NUMBER**  
 P101.6

**CSA** PRODUCT NO. 24122  
 Chad Stewart & Associates, Inc.  
 9720 Village Circle Lakeland, TN 38002  
 Phone 901-260-7850 CSAengineeringinc.com



**1 FIRST FLOOR PLAN - AREA B - PLUMBING**  
 1/8" = 1'-0"

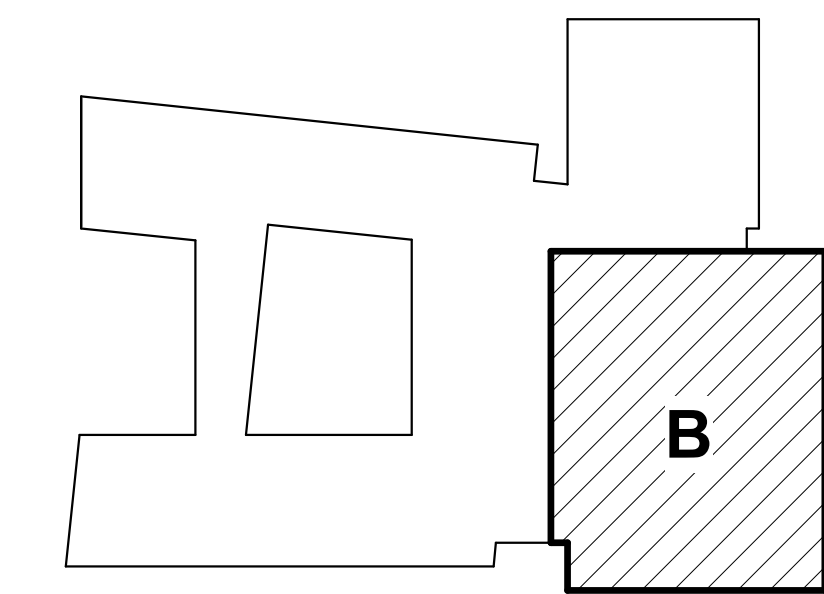




**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U905
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U487, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
 WYNNE AR 72396

**PROJECT NUMBER**

-

**DEVELOPER/OWNER**

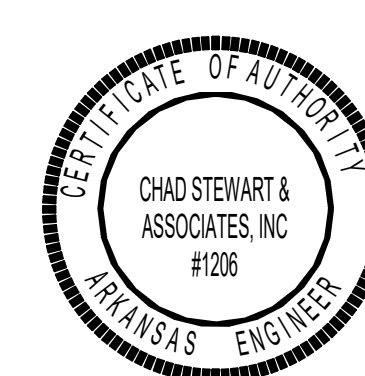
WYNNE SCHOOL DISTRICT

**INFORMATION**



Revision Description Date

1 AEC IGH Comments 10/20/24

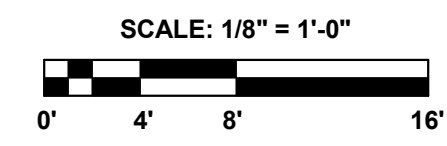
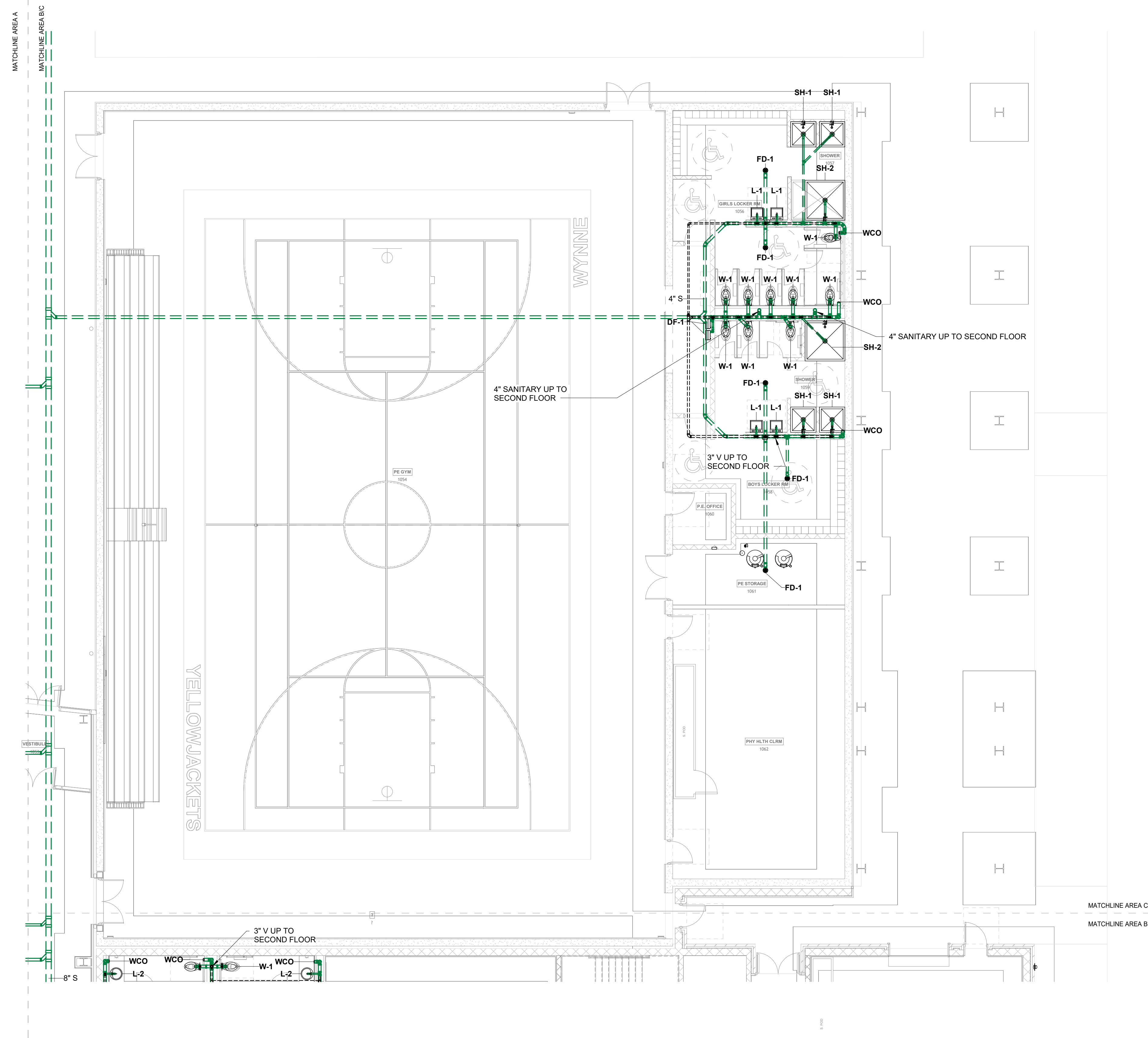


**SHEET TITLE**  
 FIRST FLOOR PLAN - AREA C - DWV

**DATE**  
 17.10.24

**SHEET NUMBER**

**P101.7**

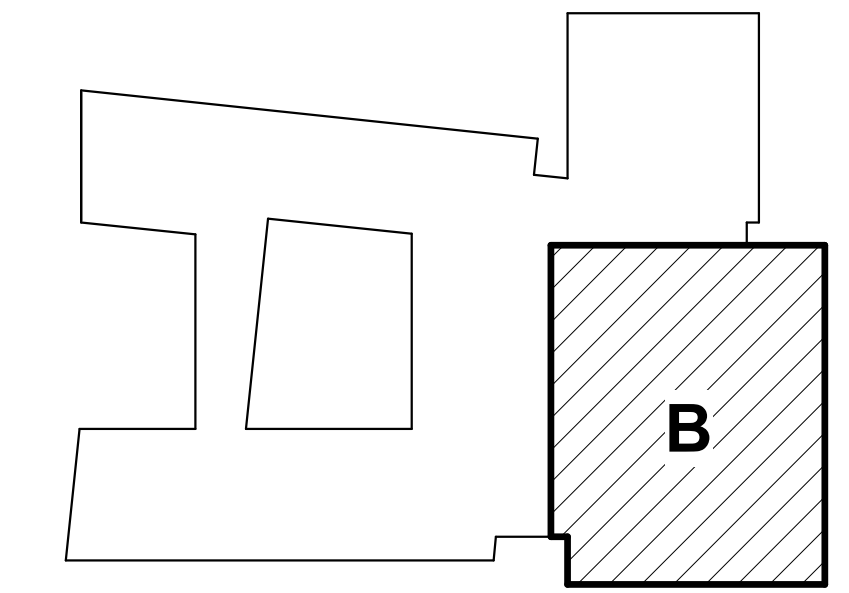


**1 FIRST FLOOR PLAN - AREA C - DWV**  
 1/8" = 1'-0"

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U995
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U487, U995, U916
  - SMOKE PARTITION

**KEYPLAN**



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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

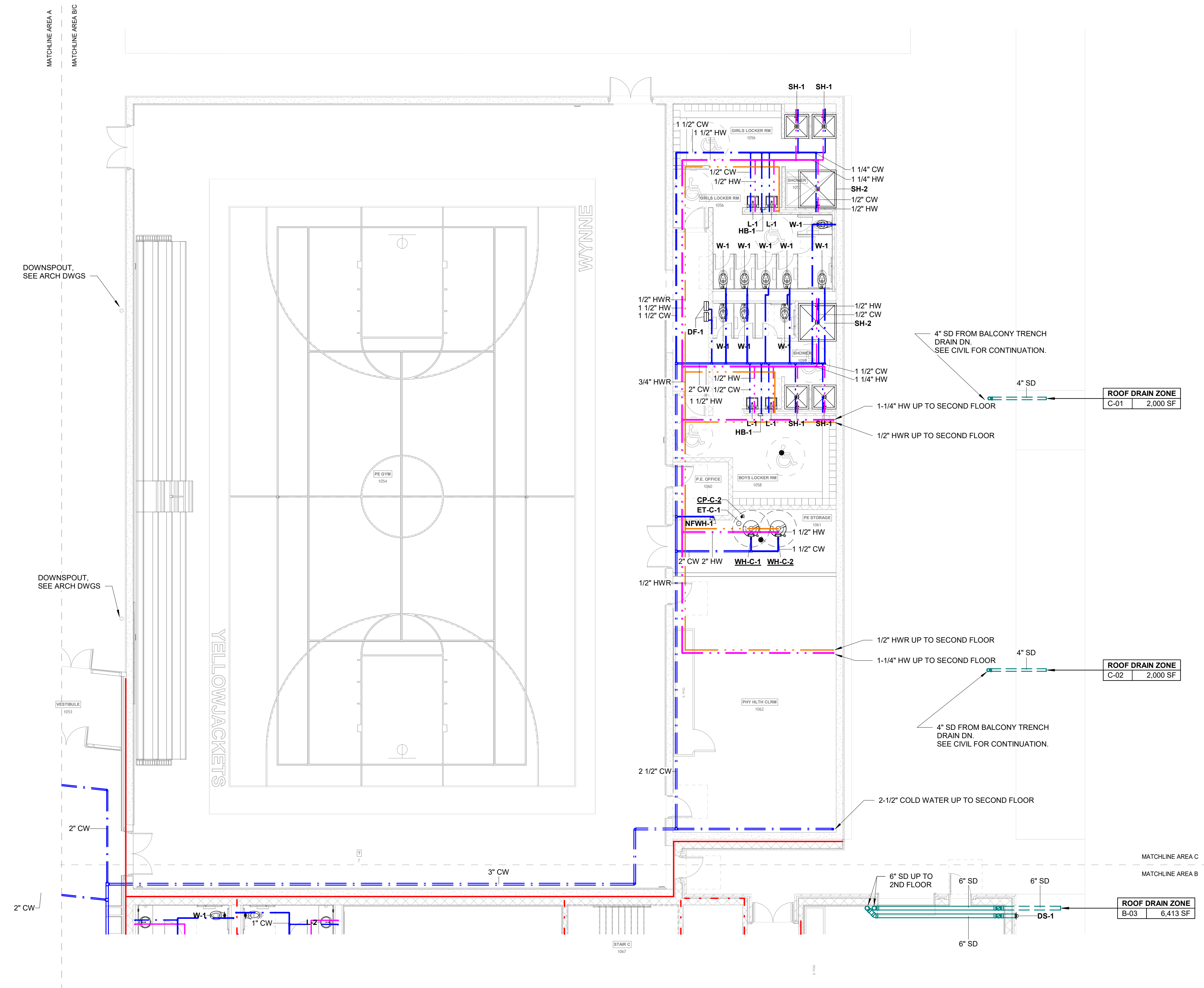
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

**INFORMATION**



Revision: 1 Description: AEC IFC Comments Date: 10/20/24



**1 FIRST FLOOR PLAN - AREA C - PLUMBING**

SCALE: 1/8" = 1'-0"  
0' 4' 8' 16'

**SHEET TITLE**  
FIRST FLOOR PLAN - AREA C - PLUMBING

**DATE**  
17.10.24

**SHEET NUMBER**

**P101.8**

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - SMOKE PARTITION

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 Little Rock, AR 72201  
 501.378.0878 office  
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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
 WYNNE AR 72396

**PROJECT NUMBER**

-

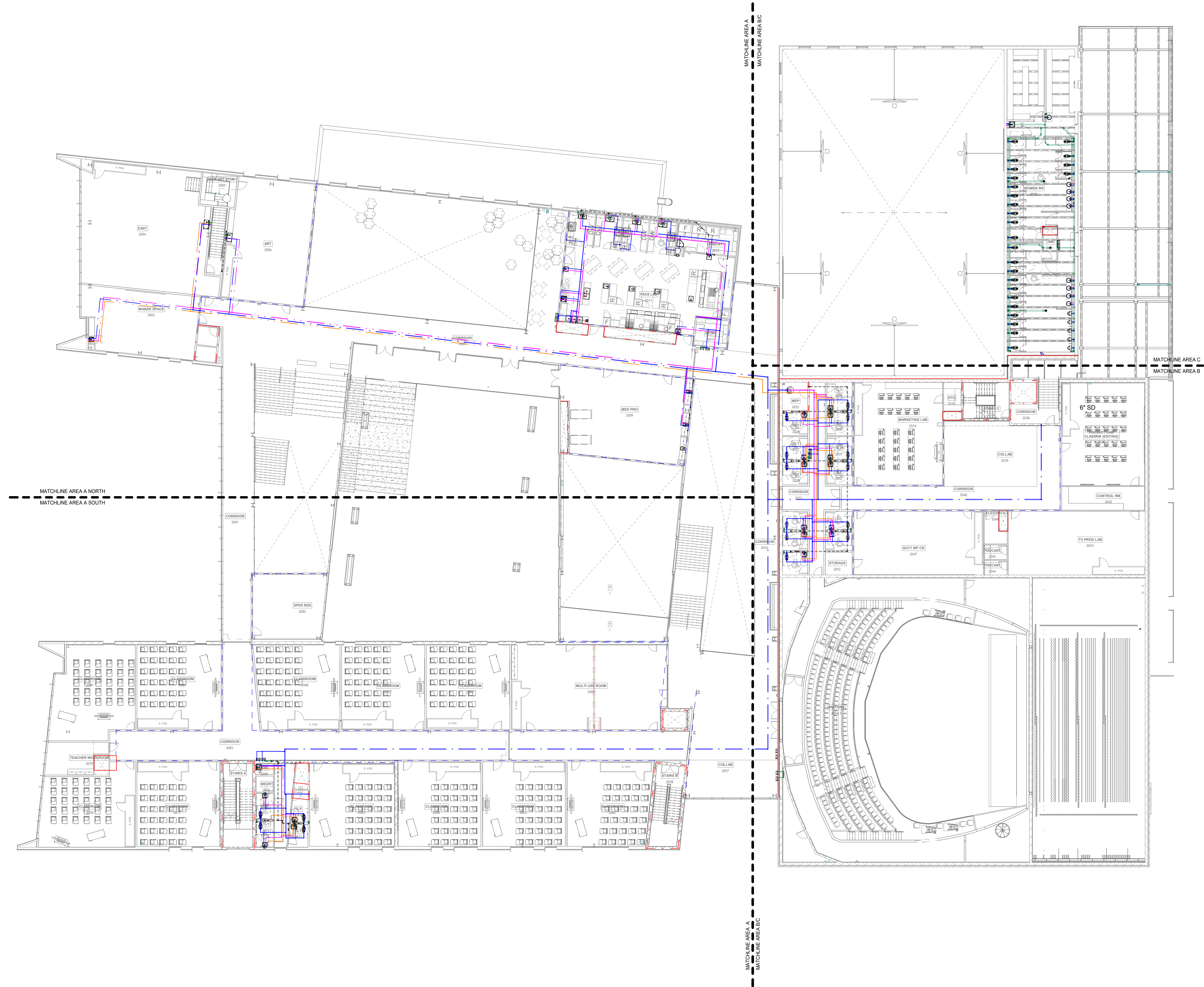
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

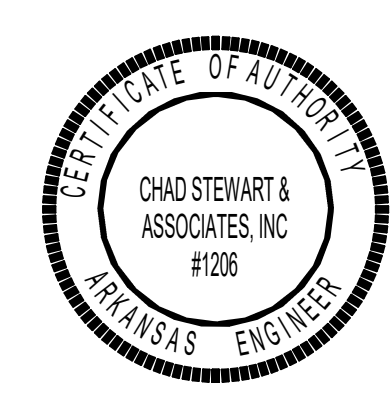
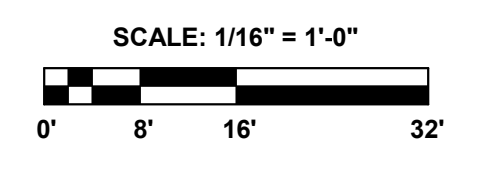
**INFORMATION**



Revision Description Date



**1 SECOND FLOOR PLAN - PLUMBING**  
 1/16" = 1'-0"



**SHEET TITLE**  
 SECOND FLOOR PLAN - PLUMBING

**DATE**  
 17.10.24

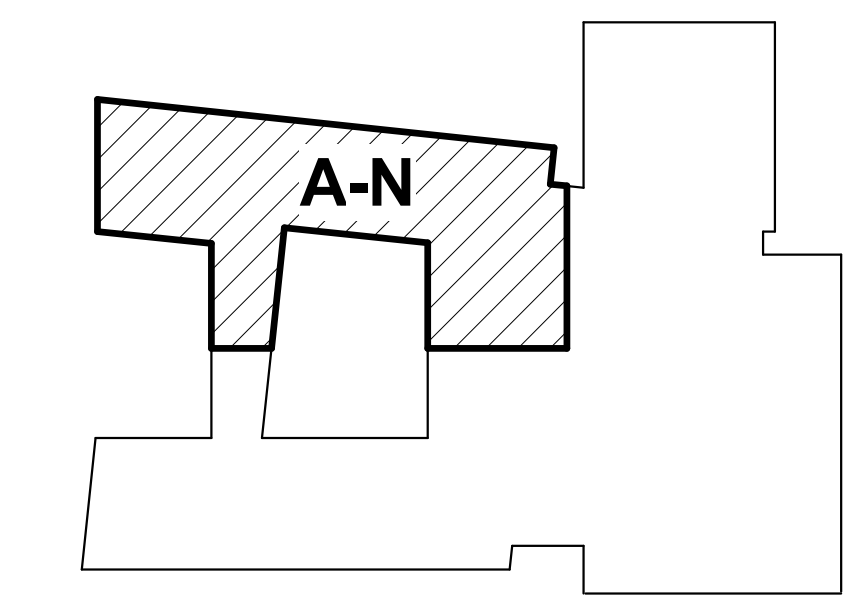
**SHEET NUMBER**

**P102**

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U905
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**

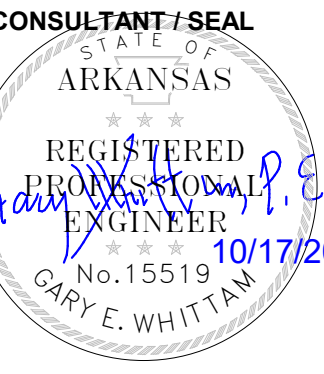


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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

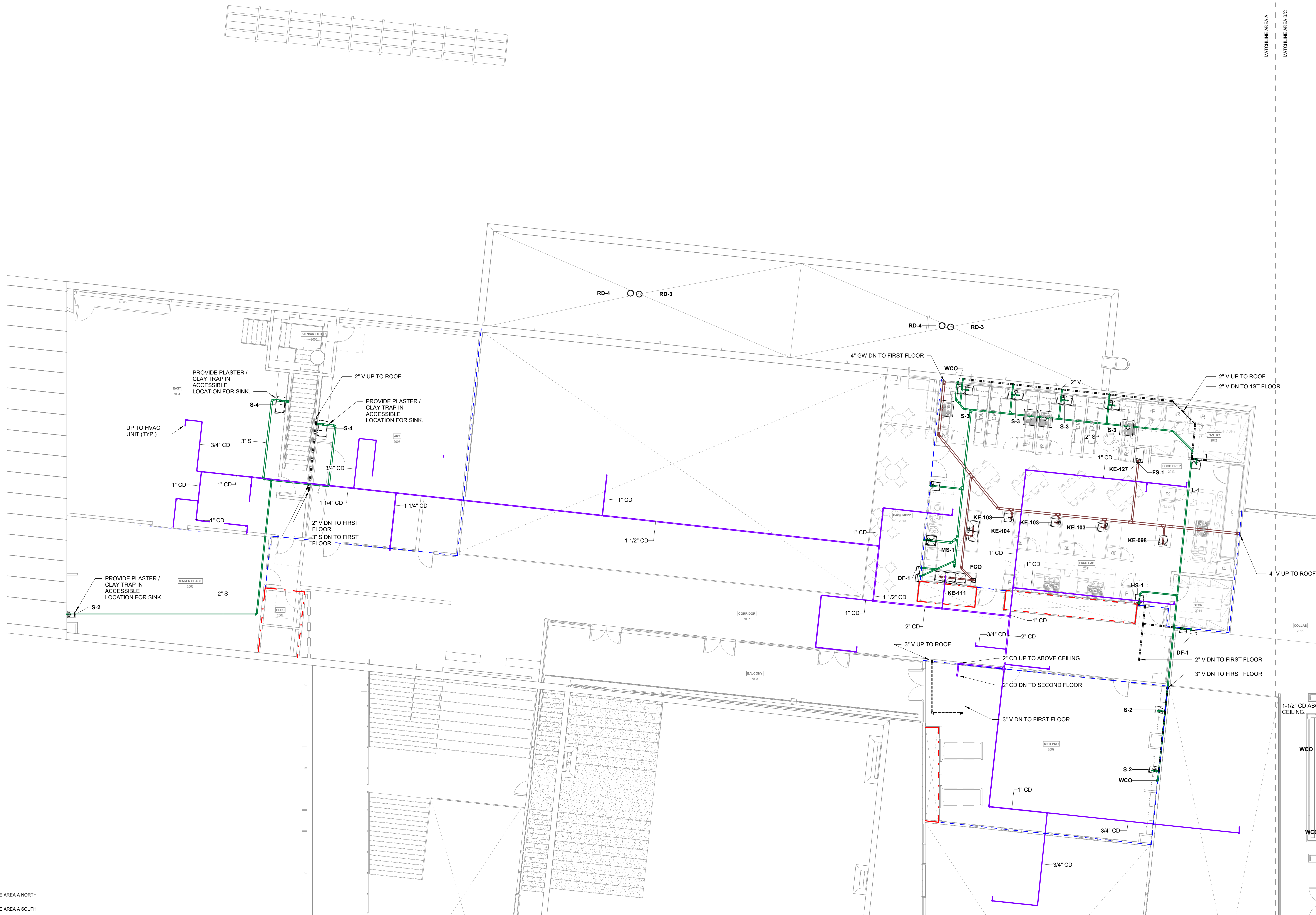
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

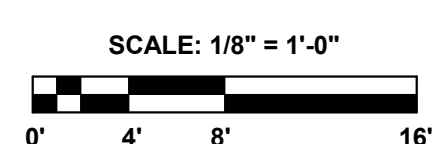
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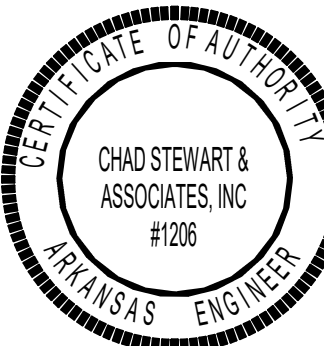
Revision: Description: Date:



**1 SECOND FLOOR PLAN - AREA A NORTH - DWV**  
1/8" = 1'-0"



**CSA** PROJECT NO. 24122  
Chad Stewart & Associates, Inc.  
9720 Village Circle Lakeland, TN 38002  
Phone 901-260-7850 CSAEngineeringinc.com



**SHEET TITLE**

SECOND FLOOR PLAN - AREA A NORTH - DWV

**DATE**

17.10.24

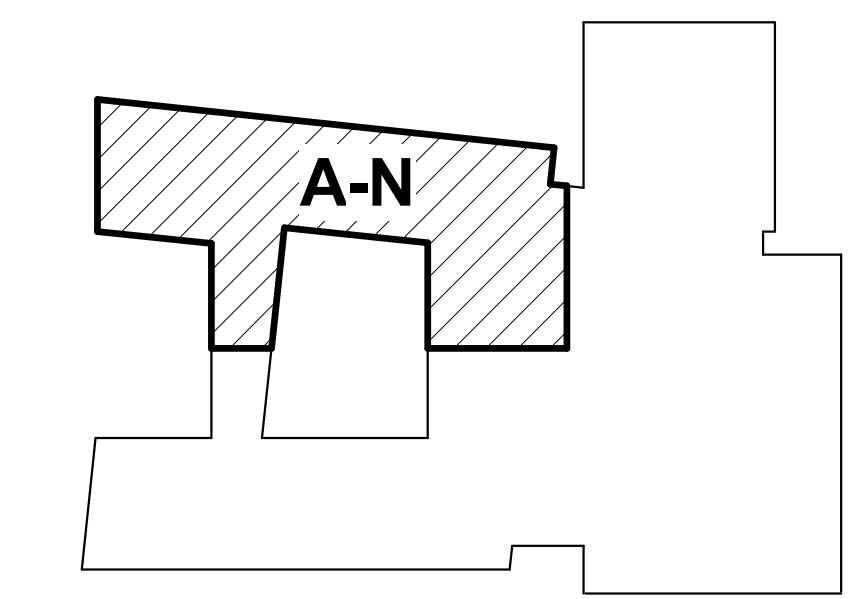
**SHEET NUMBER**

P102.1

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U955
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

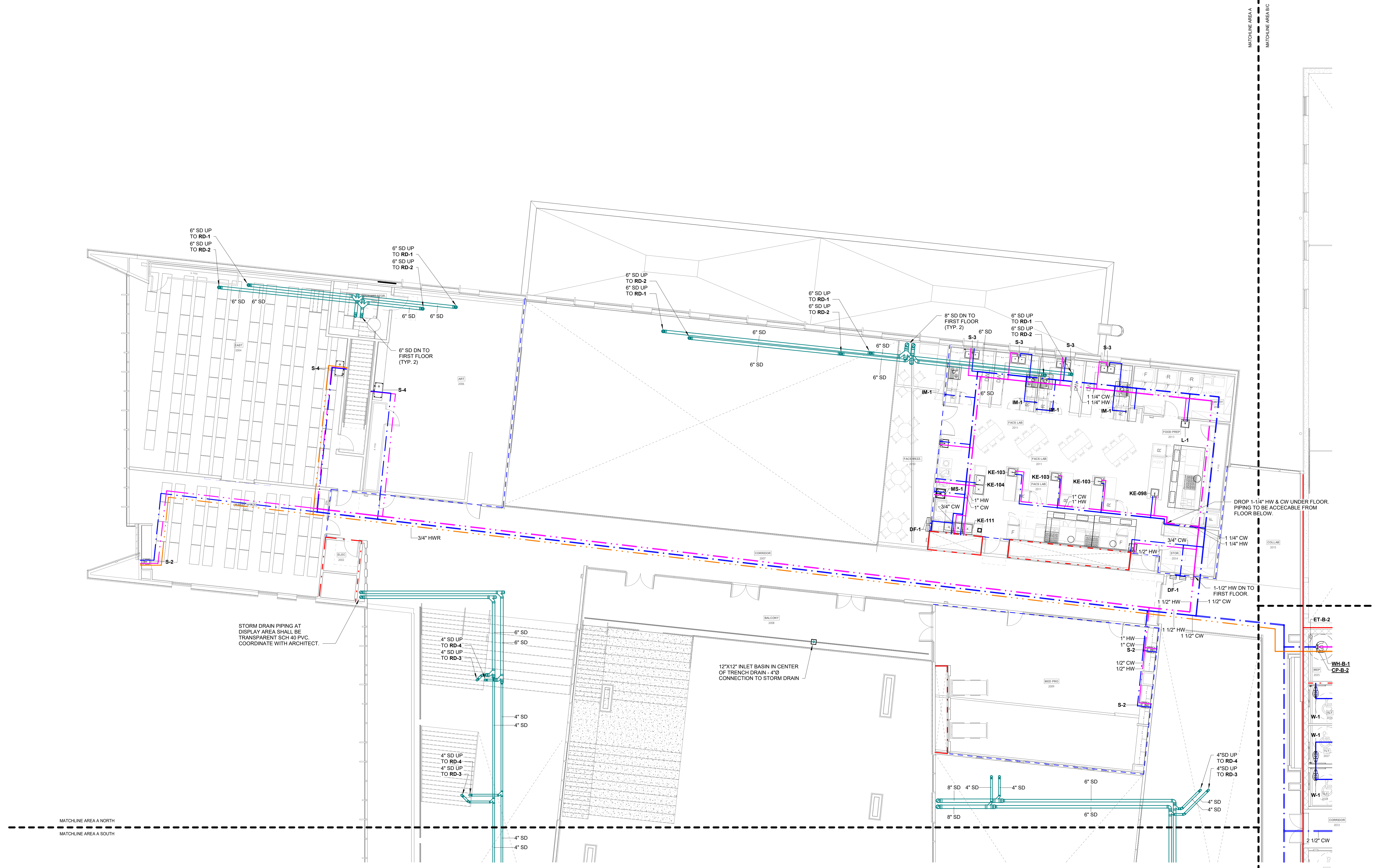
**PROJECT NUMBER**

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**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

**INFORMATION**

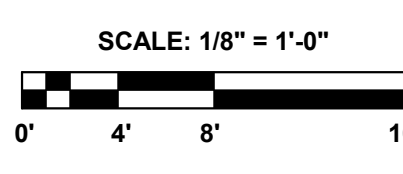


STORM DRAIN PIPING AT DISPLAY AREA SHALL BE TRANSPARENT SCH 40 PVC. COORDINATE WITH ARCHITECT.

12'X12" INLET BASIN IN CENTER OF TRENCH DRAIN - 4" CONNECTION TO STORM DRAIN

DROP 1-1/4" HW & CW UNDER FLOOR. PIPING TO BE ACCESSIBLE FROM FLOOR BELOW.

**1 SECOND FLOOR PLAN - AREA A NORTH - PLUMBING**  
1/8" = 1'-0"



**CSA** PRODUCT NO. 24122  
Chad Stewart & Associates, Inc.  
9720 Village Circle Lakeland, TN 38002  
Phone 901-260-7850 CSAEngineeringinc.com

**SHEET TITLE**  
SECOND FLOOR PLAN - AREA A NORTH - PLUMBING

**DATE**  
17.10.24

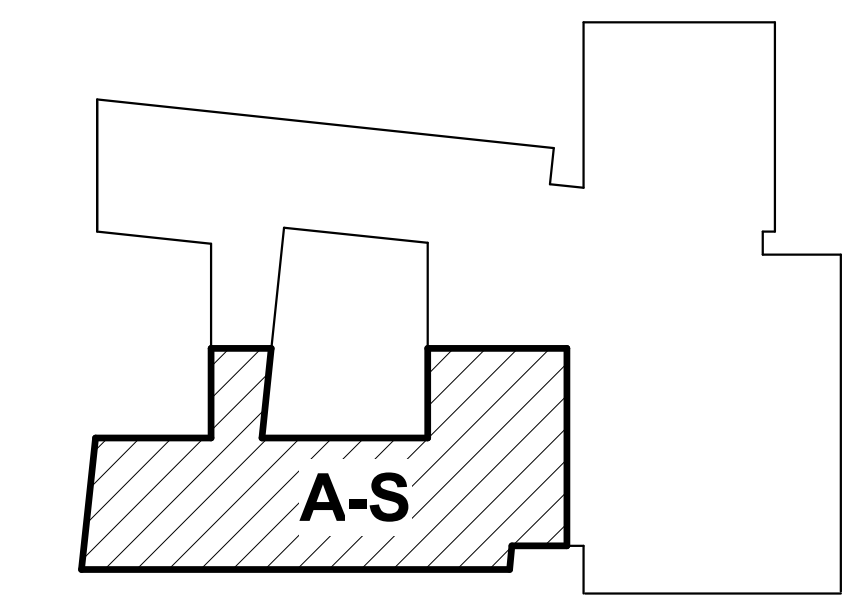
**SHEET NUMBER**  
P102.2



**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U905
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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STANLEY  
WILCOX**

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Little Rock, AR 72201  
501.378.0878 office  
www.polkstanleywilcox.com



**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

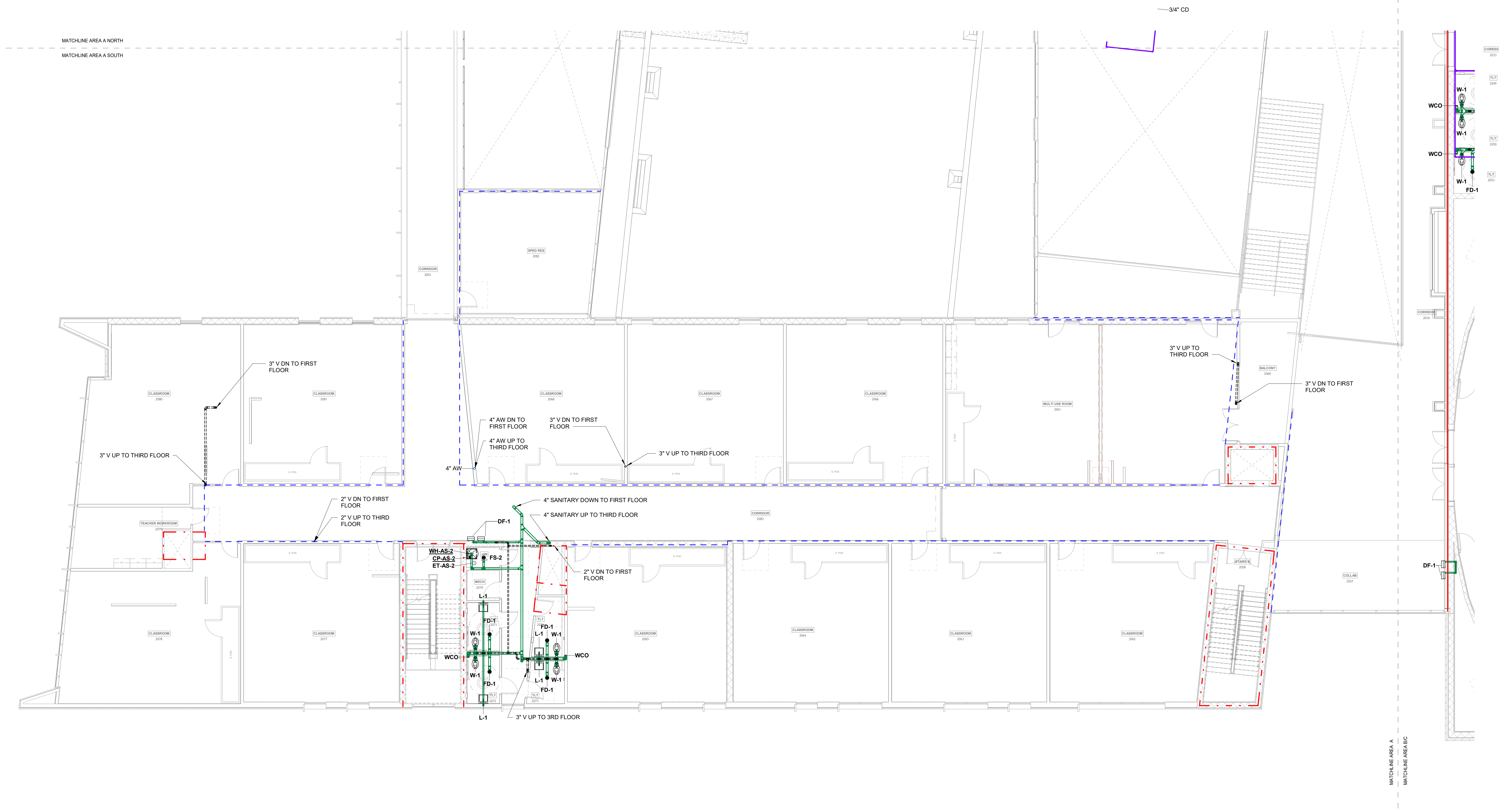
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

**INFORMATION**



Revision: 1 Description: AEC/ARCH Comments: Date: 10/10/2024



**1 SECOND FLOOR PLAN - AREA A SOUTH - DWV**  
1/8" = 1'-0"  
SCALE: 1/8" = 1'-0"  
0' 4' 8' 16'



**SHEET TITLE**  
SECOND FLOOR PLAN - AREA A SOUTH - DWV

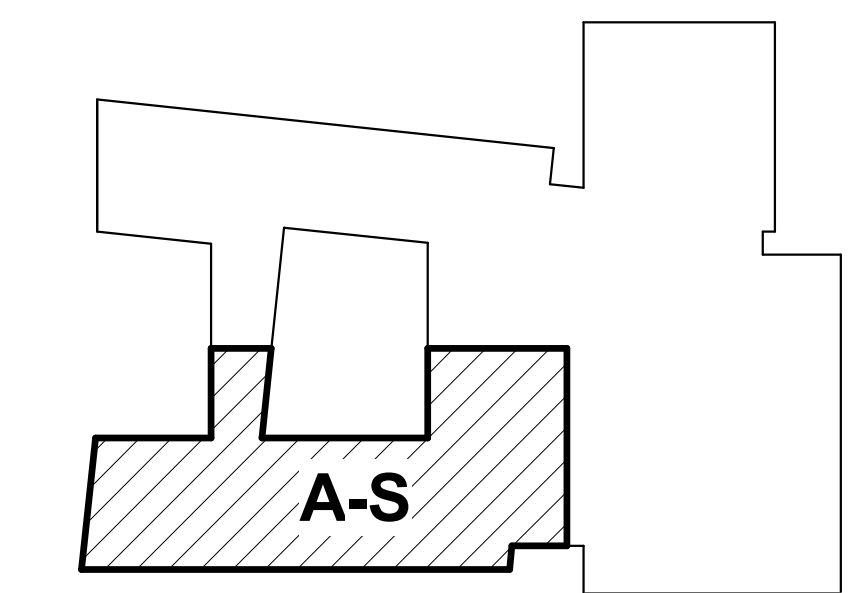
**DATE**  
17.10.24

**SHEET NUMBER**  
P102.3

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U469, U995
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U995, U916
  - SMOKE PARTITION

**KEYPLAN**



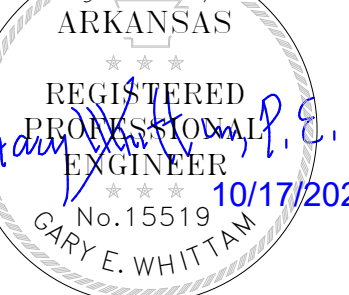
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501.378.0878 office  
www.polkstanleywilcox.com

CONSULTANT / SEAL



**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

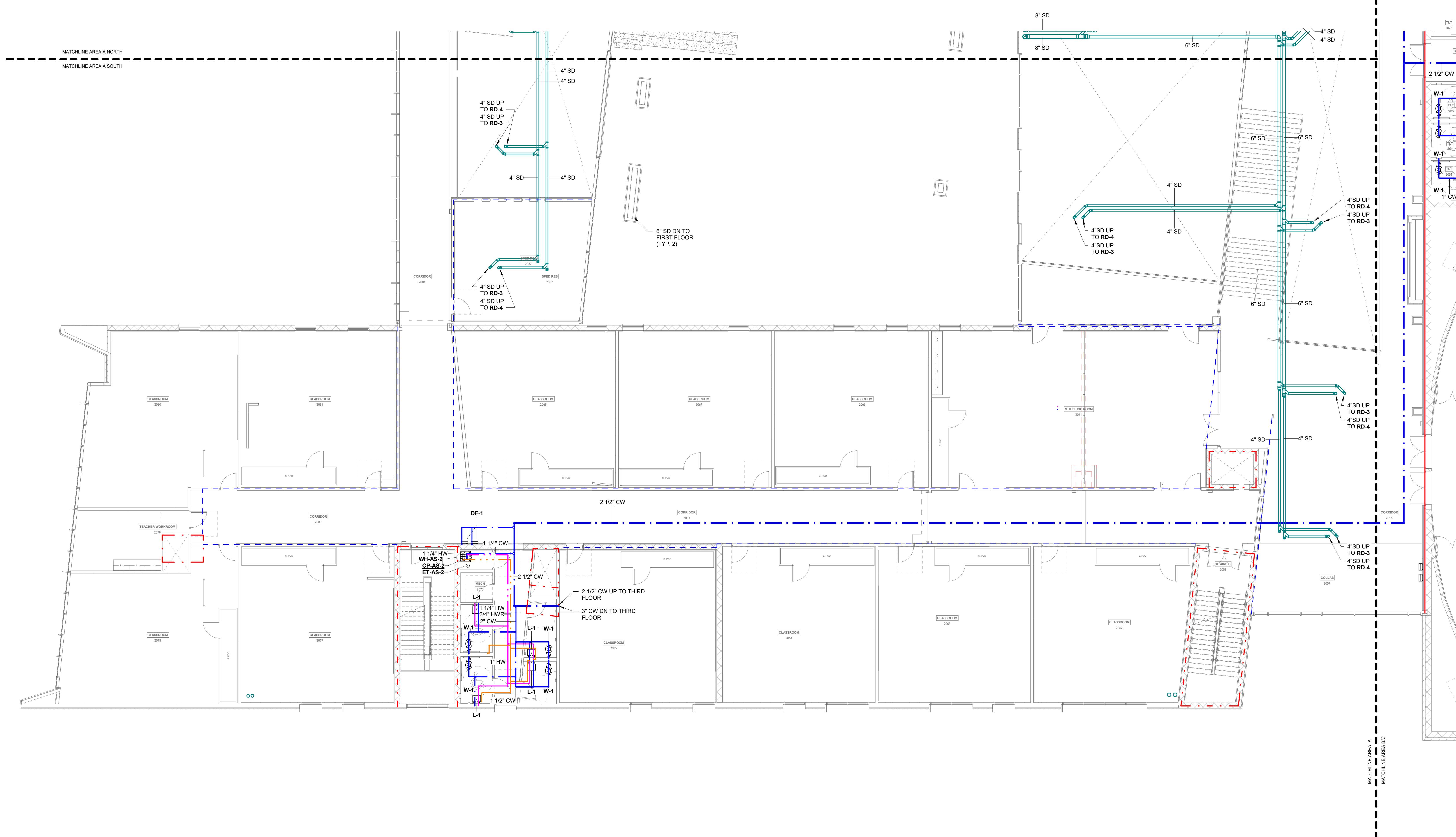
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

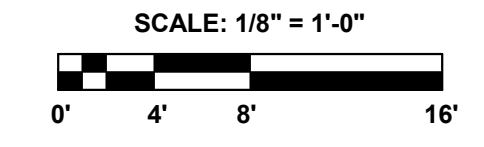
**INFORMATION**



Revision Description Date



**1 SECOND FLOOR PLAN - AREA A SOUTH - PLUMBING**  
1/8" = 1'-0"



**SHEET TITLE**  
SECOND FLOOR PLAN -  
AREA A SOUTH -  
PLUMBING

**DATE**  
17.10.24

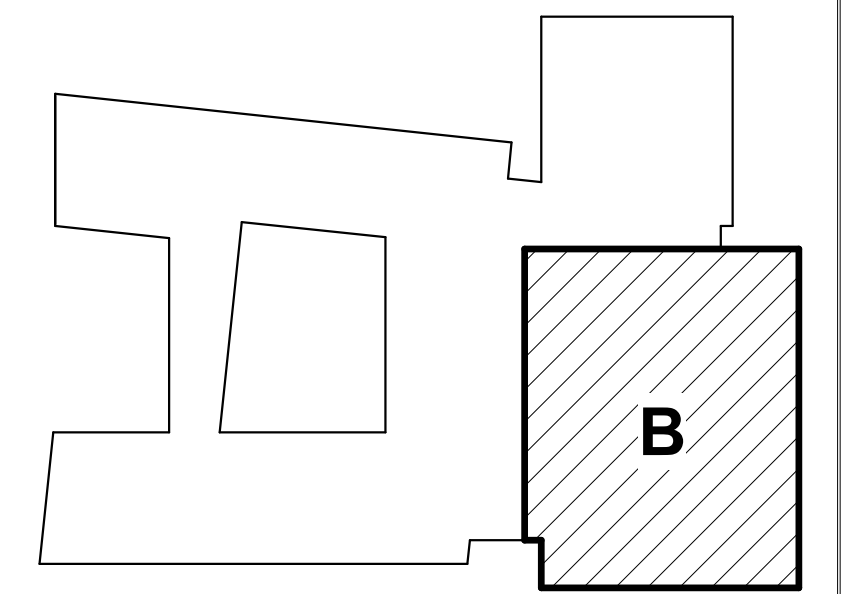
**SHEET NUMBER**

**P102.4**

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U995
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
 WYNNE AR 72396

**PROJECT NUMBER**

-

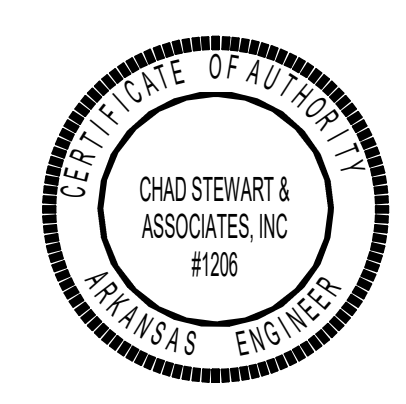
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

**INFORMATION**



Revision	Description	Date
1	ADD IFC Comments	10/20/24

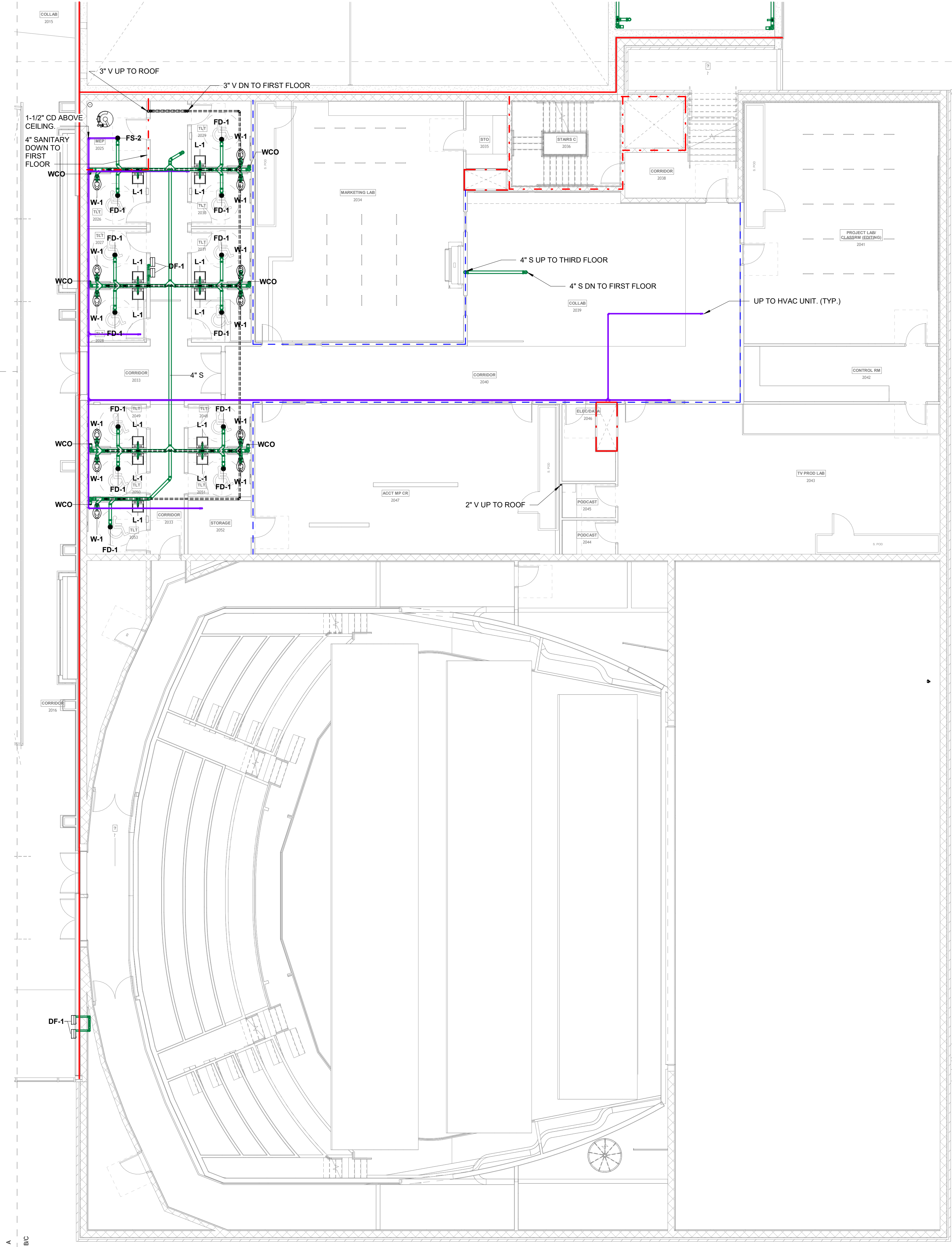


**SHEET TITLE**  
 SECOND FLOOR PLAN - AREA B - DWV

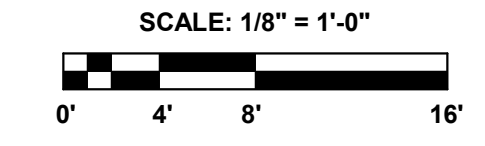
**DATE**  
 17.10.24

**SHEET NUMBER**

**P102.5**



**1 SECOND FLOOR PLAN - AREA B - DWV**  
 1/8" = 1'-0"

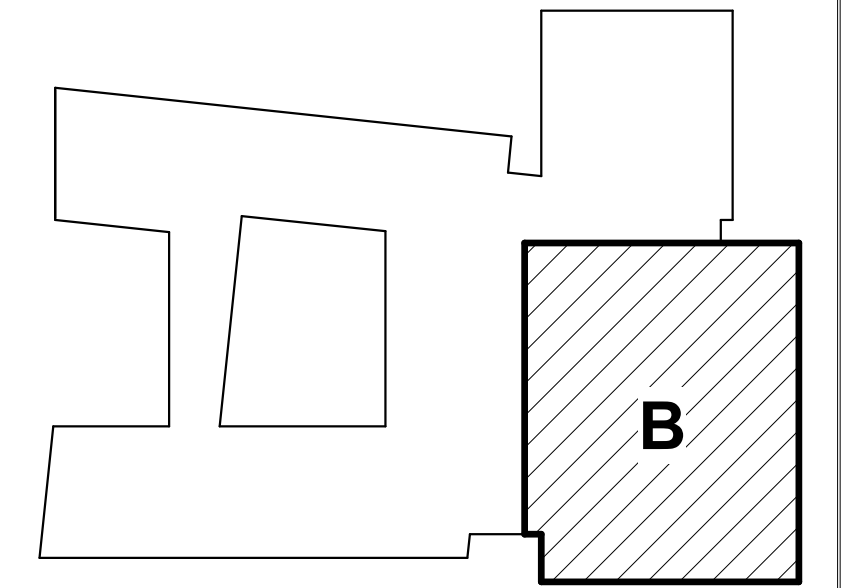




**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U995
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

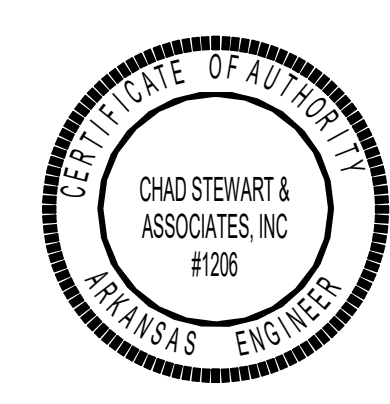
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

**INFORMATION**



Revision Description Date

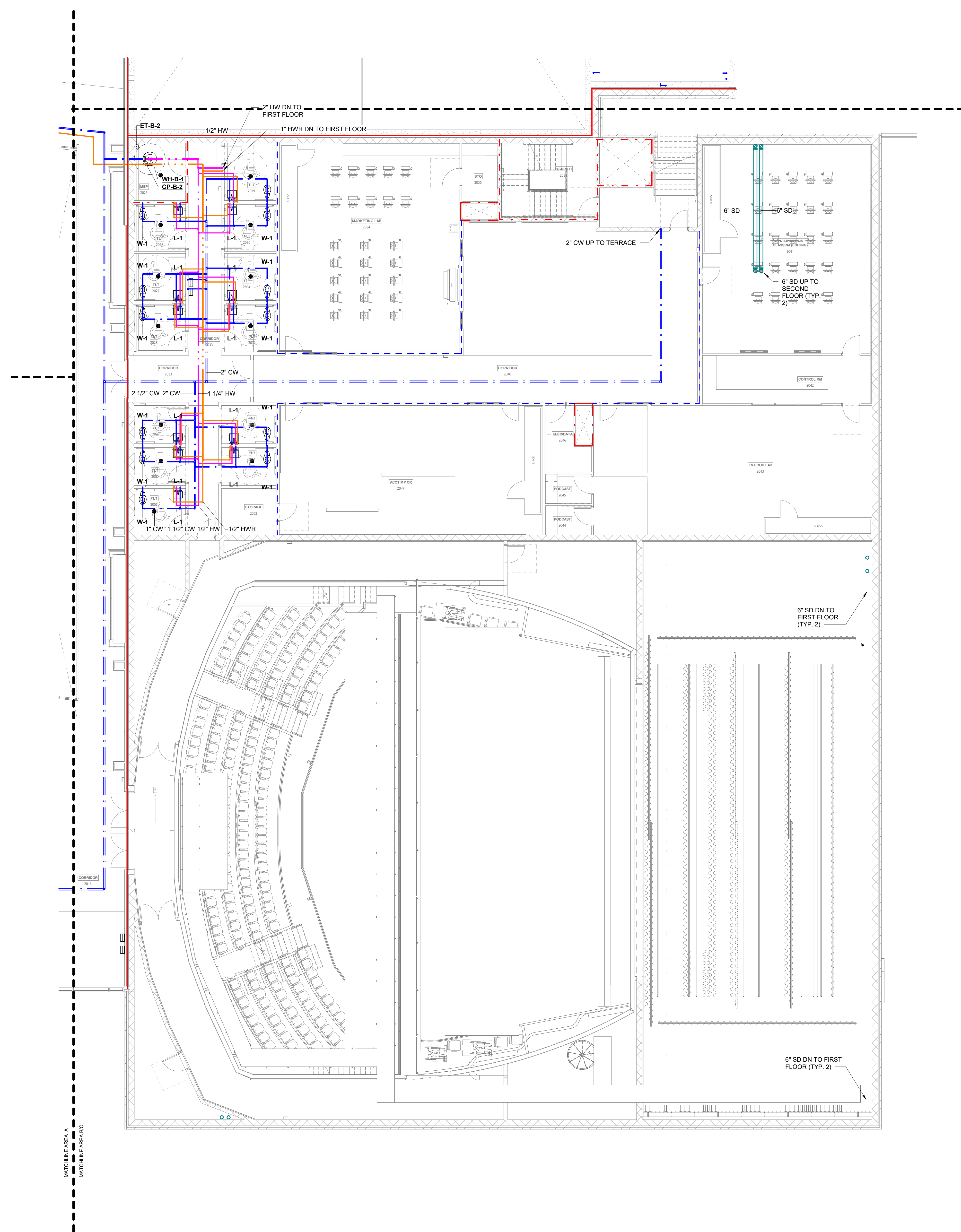


**SHEET TITLE**  
SECOND FLOOR PLAN -  
AREA B - PLUMBING

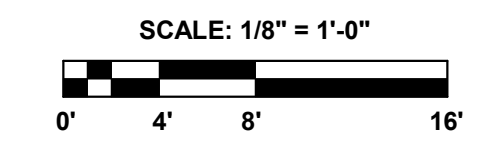
**DATE**  
17.10.24

**SHEET NUMBER**

**P102.6**



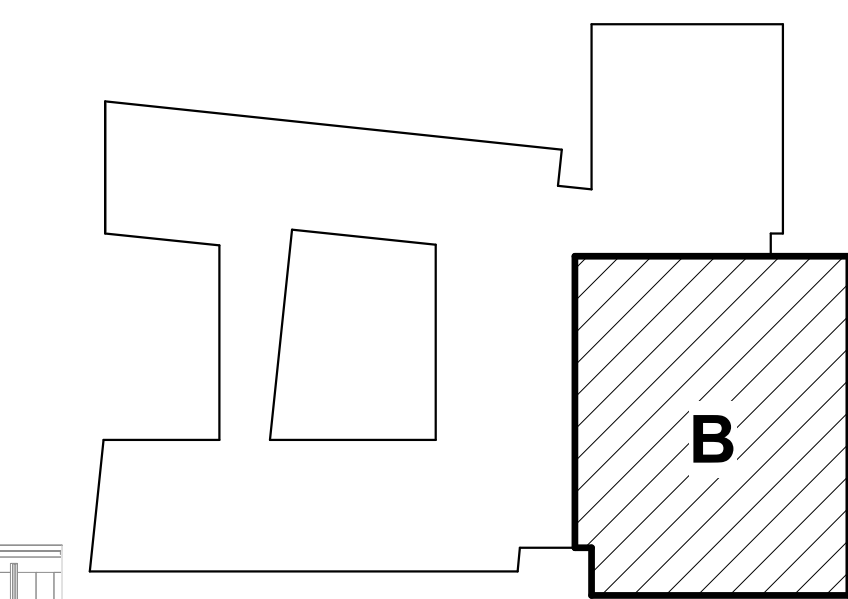
**1 SECOND FLOOR PLAN - AREA B - PLUMBING**  
1/8" = 1'-0"



**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U995
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U995, U916
  - SMOKE PARTITION

**KEYPLAN**

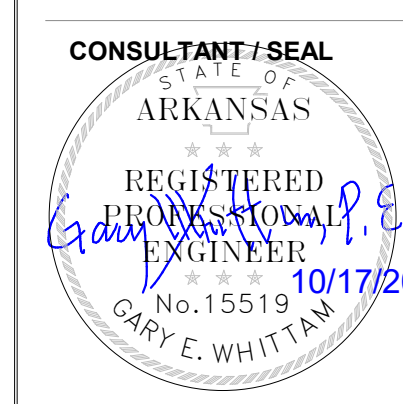


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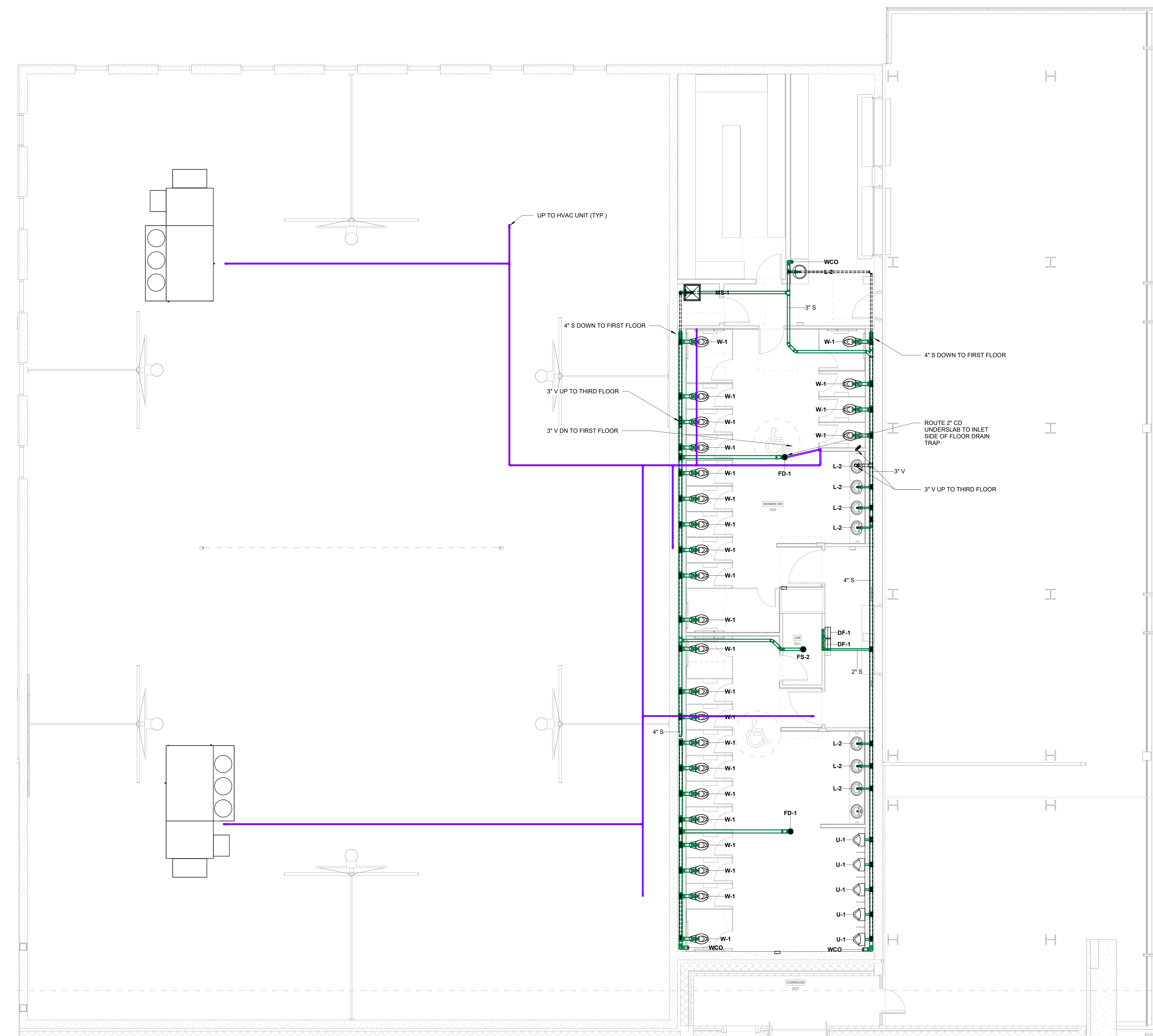


**PROJECT NAME**  
 WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**  
 800 E JACKSON AVE  
 WYNNE AR 72396

**PROJECT NUMBER**  
 -

**DEVELOPER/OWNER**  
 WYNNE SCHOOL DISTRICT



**1 TERRACE FLOOR PLAN - AREA C - DWV**  
 3/16" = 1'-0"



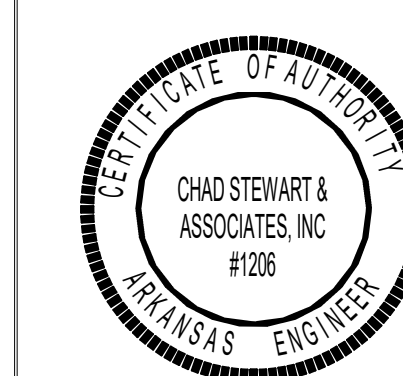
4" SANITARY UP TO THIRD FLOOR

**SHEET TITLE**  
 SECOND FLOOR PLAN - AREA C - DWV

**DATE**  
 17.10.24

**SHEET NUMBER**

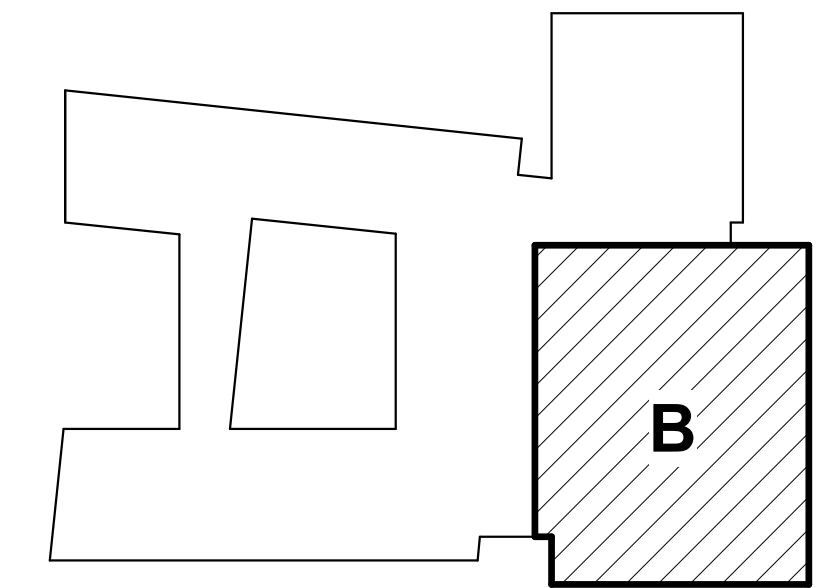
**P102.7**



**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U905
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U487, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

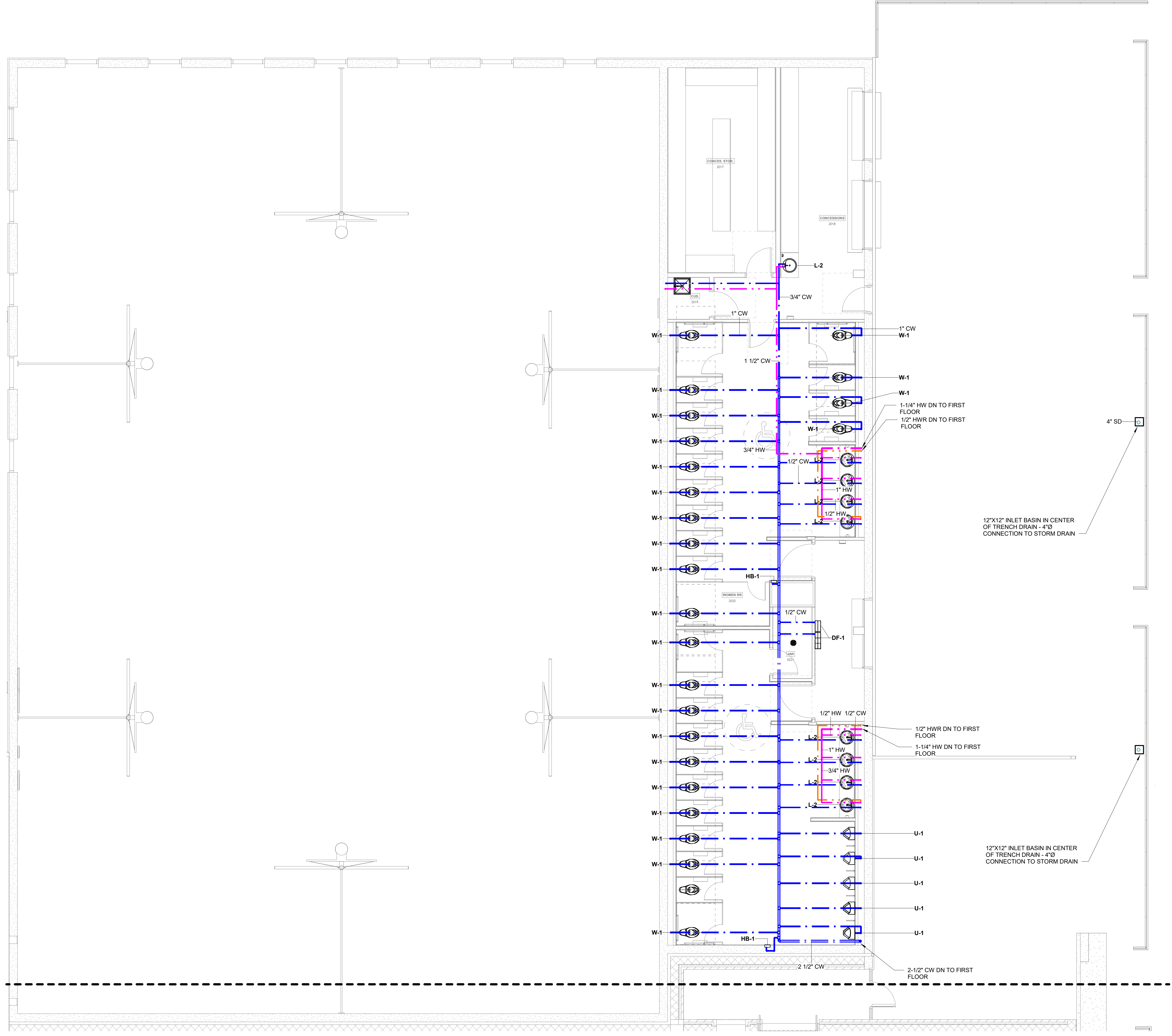
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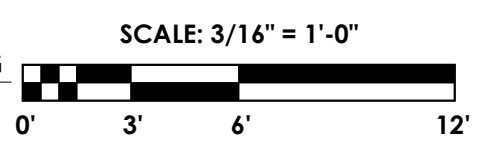
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

**INFORMATION**



1 TERRACE FLOOR PLAN - AREA C - PLUMBING  
3/16" = 1'-0"



**SHEET TITLE**  
SECOND FLOOR PLAN -  
AREA C - PLUMBING

**DATE**  
17.10.24

**SHEET NUMBER**  
P102.8



**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U469, U605
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U805, U816
  - SMOKE PARTITION

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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
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**PROJECT NUMBER**

-

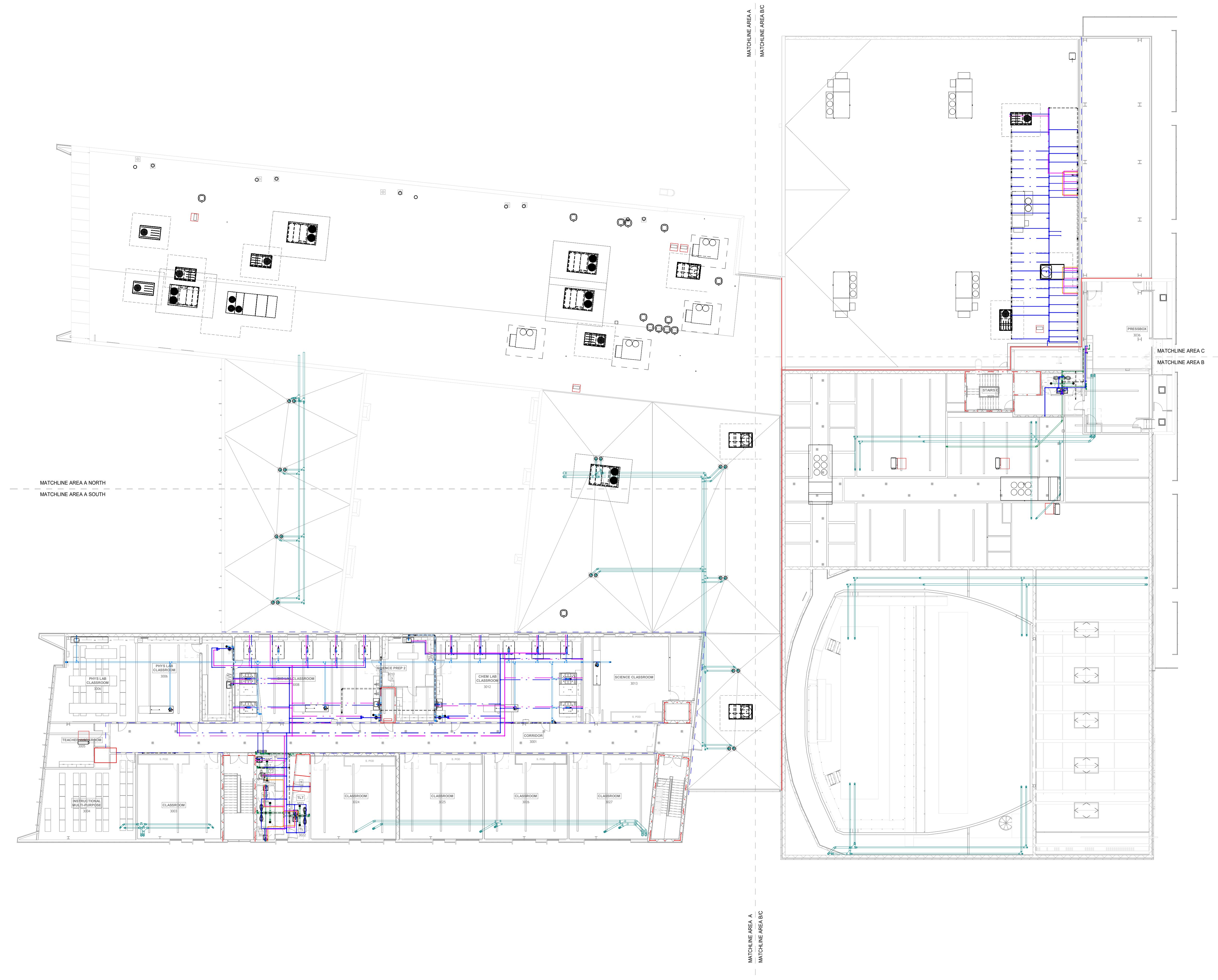
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

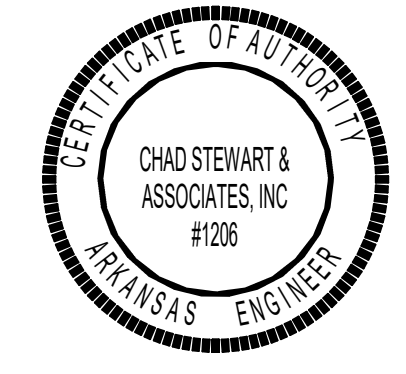
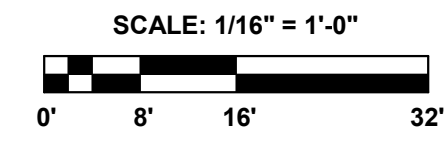
**INFORMATION**



Revision Description Date



**1 THIRD FLOOR PLAN - PLUMBING**



**SHEET TITLE**  
THIRD FLOOR PLAN - PLUMBING

**DATE**  
17.10.24

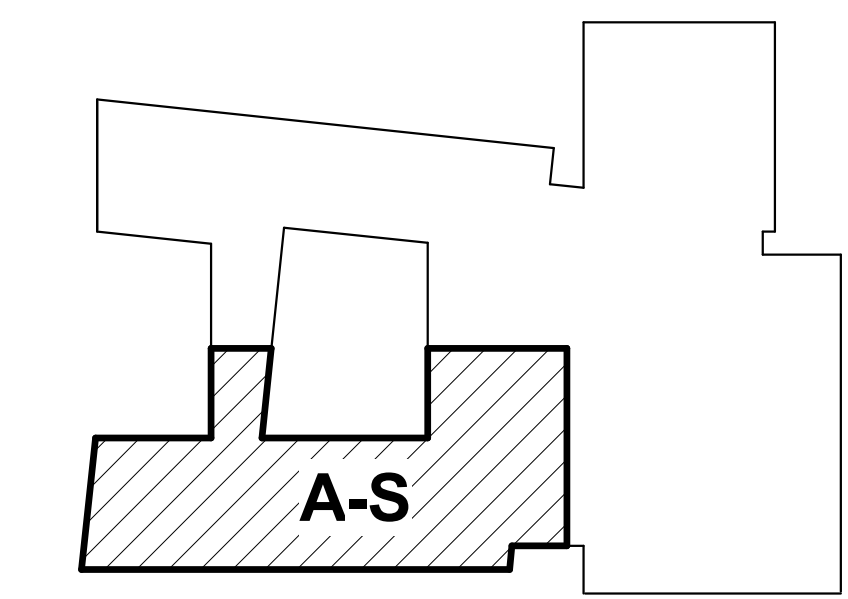
**SHEET NUMBER**

**P103**

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U905
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

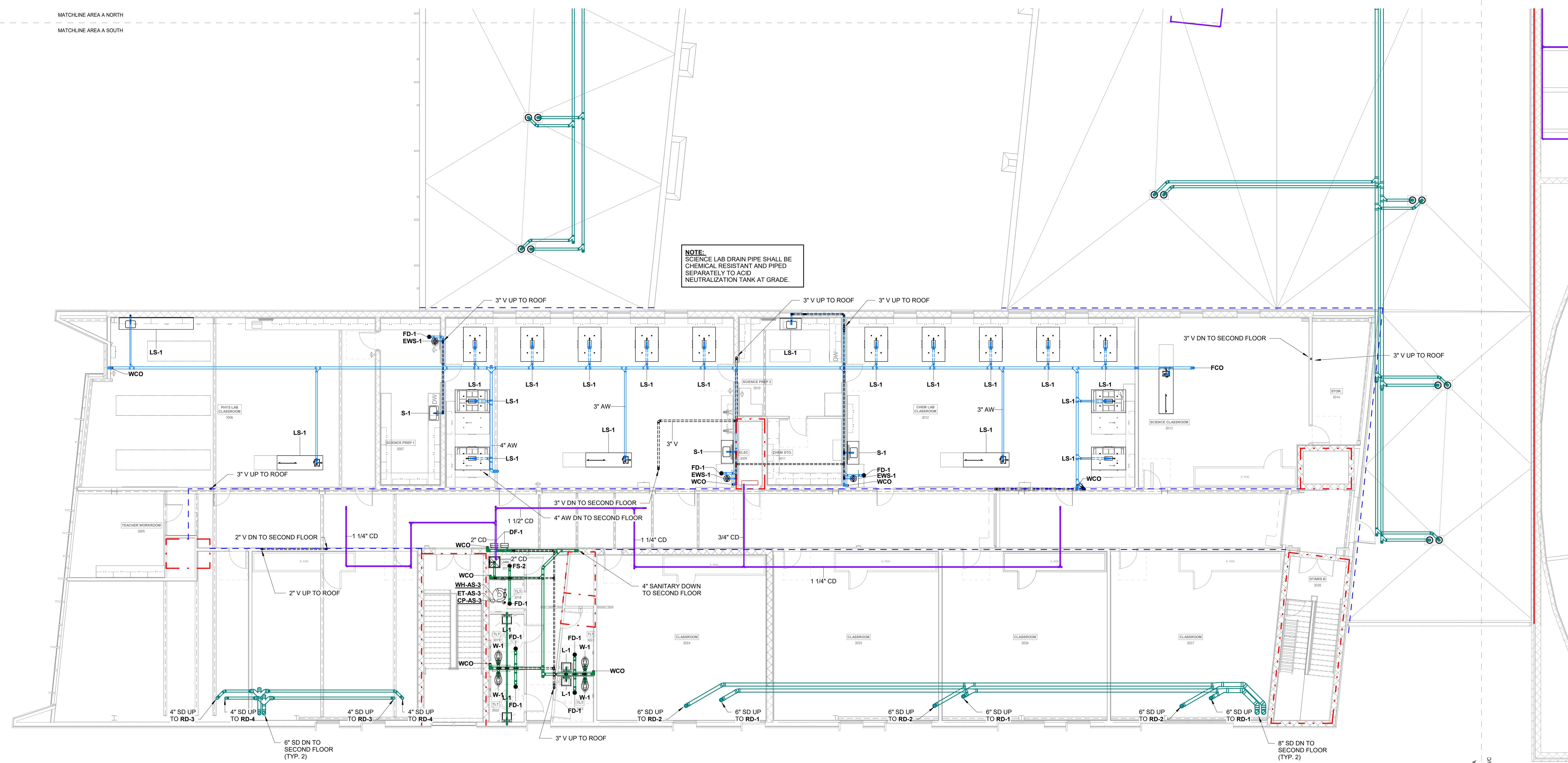
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

**INFORMATION**

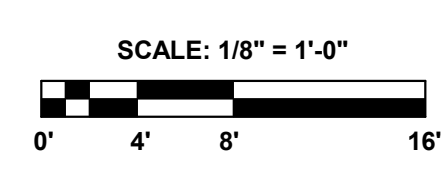


MATCHLINE AREA A NORTH  
MATCHLINE AREA A SOUTH



**NOTE:**  
SCIENCE LAB DRAIN PIPE SHALL BE CHEMICAL RESISTANT AND PIPED SEPARATELY TO ACID NEUTRALIZATION TANK AT GRADE.

**1 THIRD FLOOR PLAN - AREA A SOUTH - DWV**  
1/8" = 1'-0"



**SHEET TITLE**

THIRD FLOOR PLAN - AREA A SOUTH - DWV

**DATE**  
17.10.24

**SHEET NUMBER**

**P103.1**

PLUMBING KEYNOTE LEGEND	
P1	PROVIDE THERMOSTATIC MIXING VALVE (BRADLEY S19-2150 (EFX20)) FOR 1-1/4" TEMPERED WATER SUPPLY TO EMERGENCY STATION. (TYP.)
P4	CW & HW CONNECTION TO BE ACCESSIBLE FROM FLOOR BELOW. (TYP.)

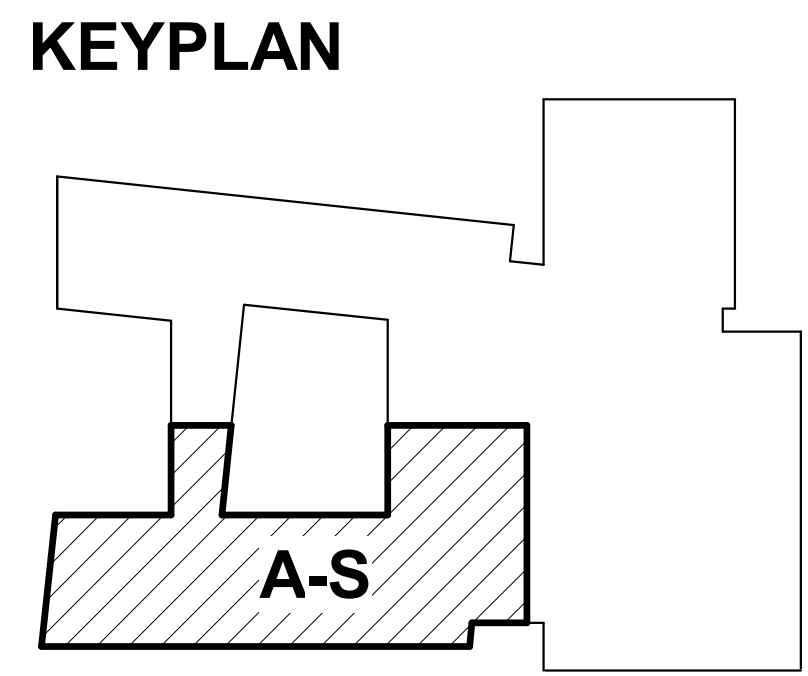
**GENERAL LIFE SAFETY NOTES**

**WALL RATINGS**

UL DESIGN NUMBERS - U485, U995  
 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)

UL DESIGN NUMBERS - U497, U995, U916  
 2 HR FIRE WALL (BUILDING SEPARATION WALL)

UL DESIGN NUMBERS - U497, U995, U916  
 SMOKE PARTITION



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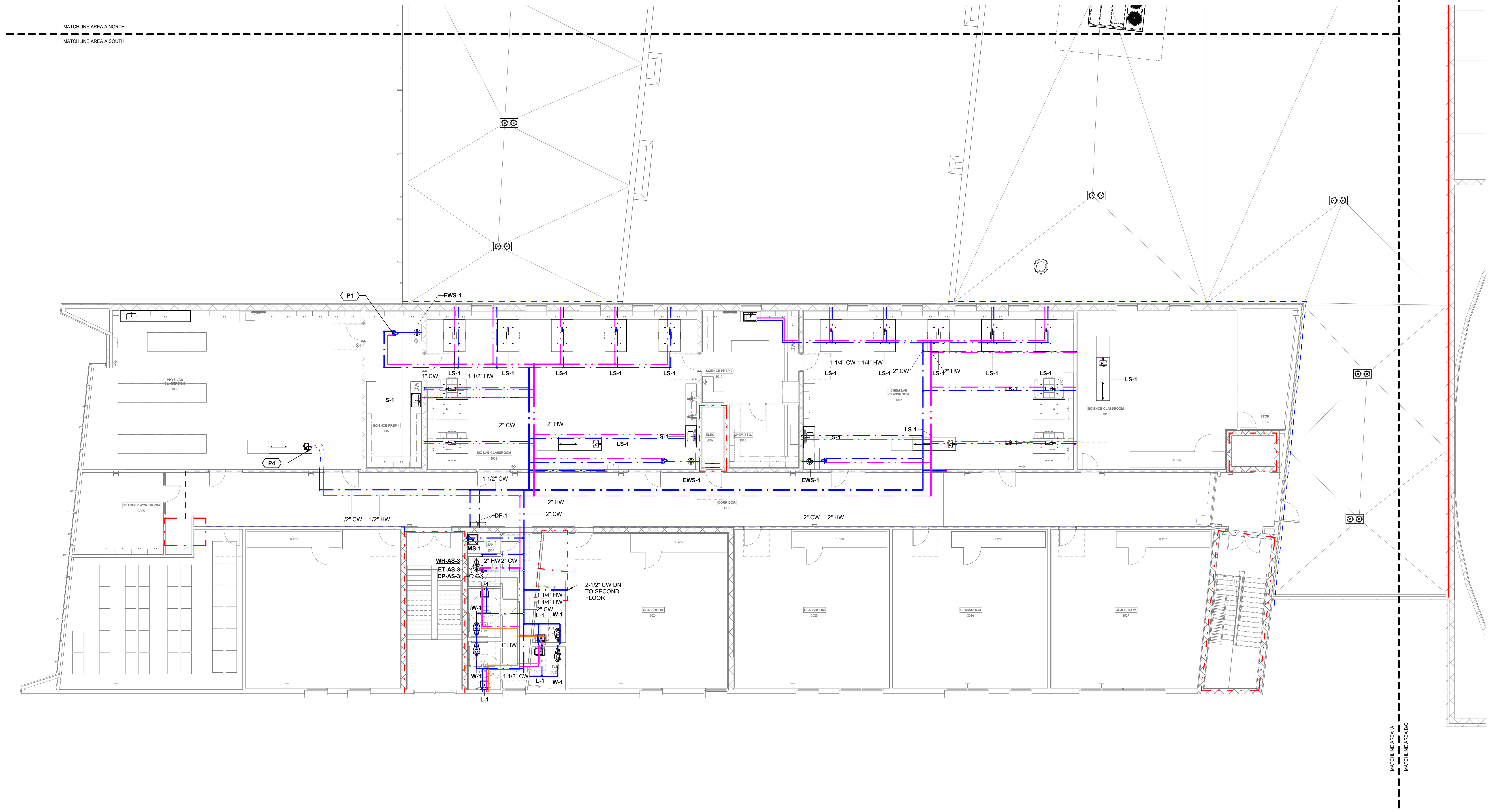
**POLK STANLEY WILCOX**

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**CONSULTANT / SEAL**

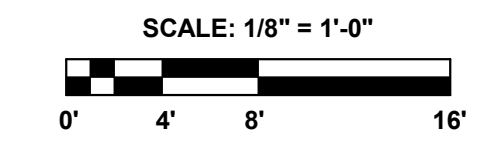
STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 GARY E. WHITTEN  
 No. 15519  
 10/17/2024

MATCHLINE AREA A NORTH  
 MATCHLINE AREA A SOUTH



MATCHLINE AREA A  
 MATCHLINE AREA B/C

**1 THIRD FLOOR PLAN - AREA A SOUTH - PLUMBING**  
 1/8" = 1'-0"



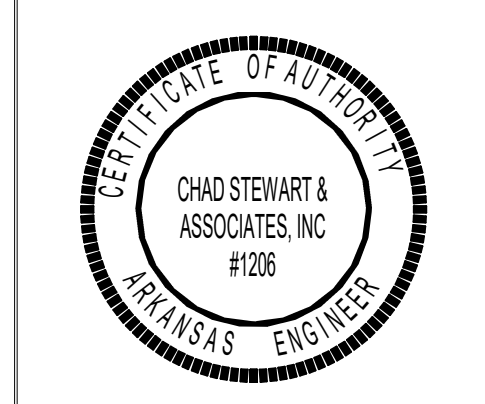
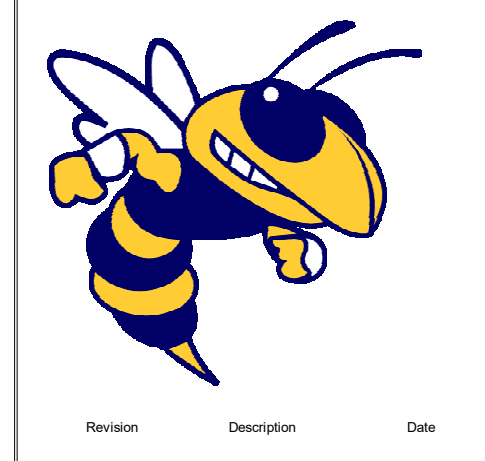
**PROJECT NAME**  
 WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**  
 800 E JACKSON AVE  
 WYNNE AR 72396

**PROJECT NUMBER**  
 -

**DEVELOPER/OWNER**  
 WYNNE SCHOOL DISTRICT

**INFORMATION**



**SHEET TITLE**  
 THIRD FLOOR PLAN - AREA A SOUTH - PLUMBING

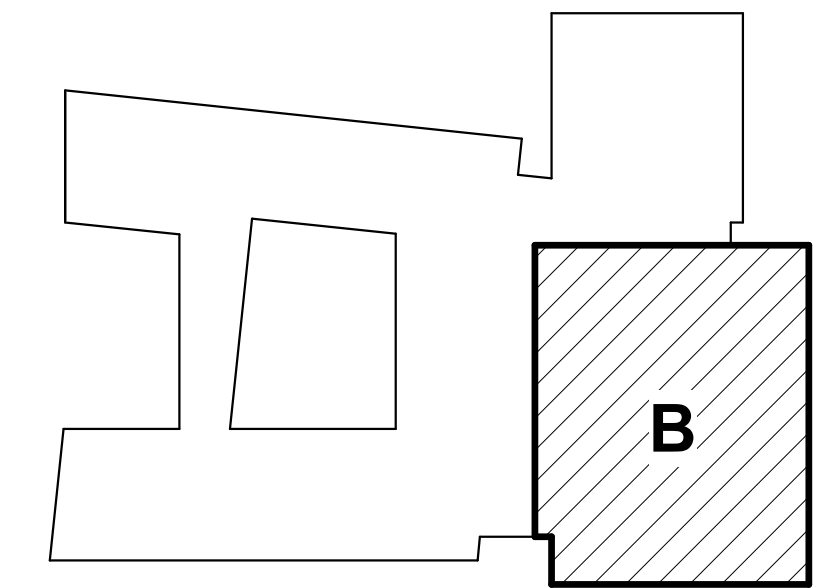
**DATE**  
 17.10.24

**SHEET NUMBER**

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U995
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

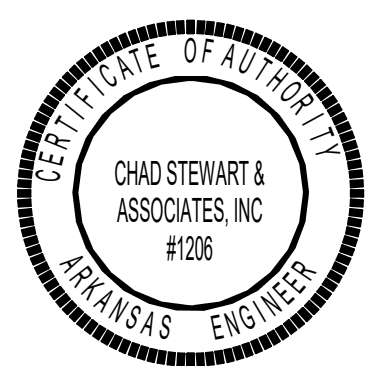
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

**INFORMATION**



Revision Description Date



**SHEET TITLE**

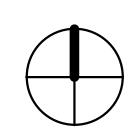
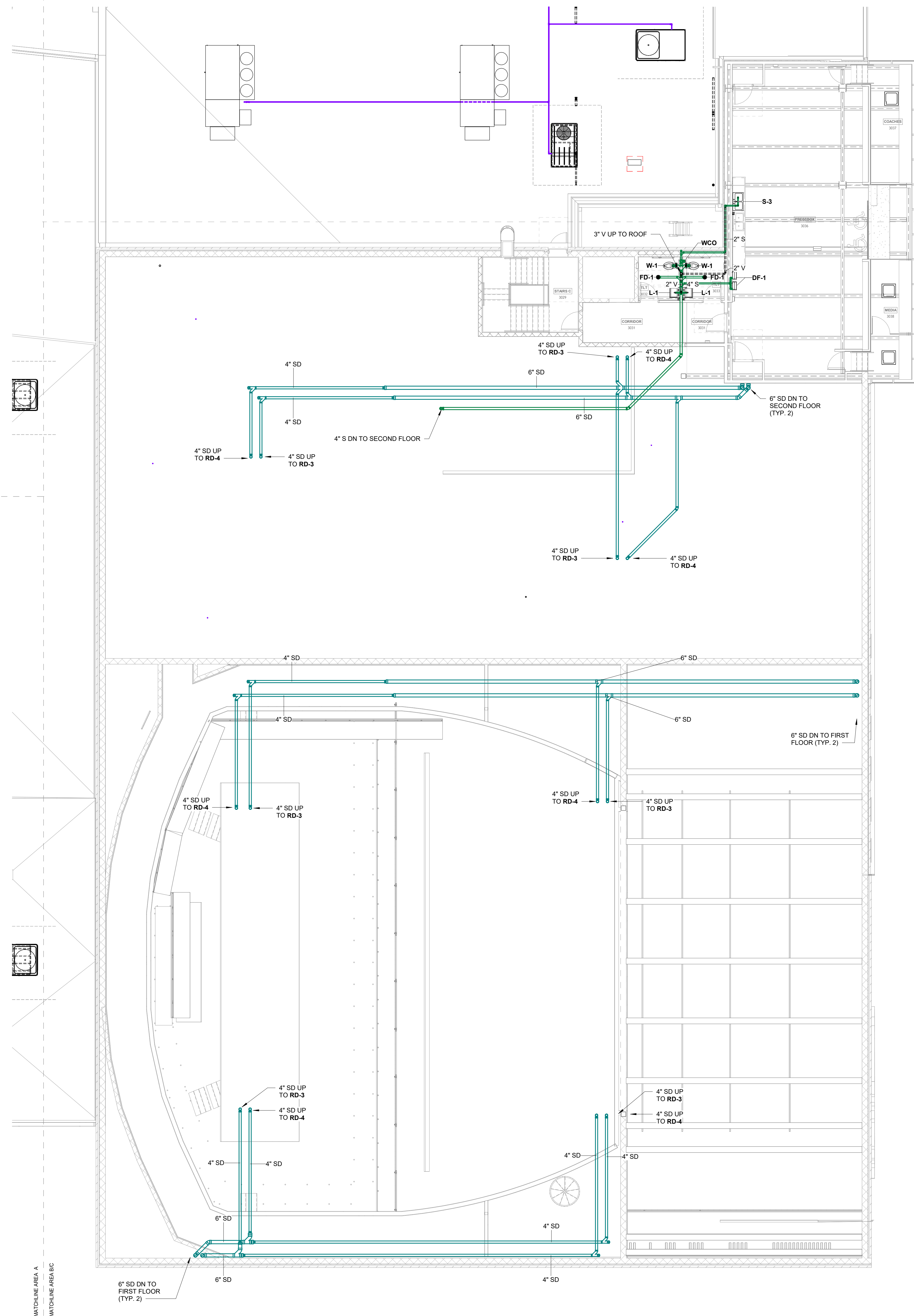
THIRD FLOOR PLAN - AREA B - DWV

**DATE**

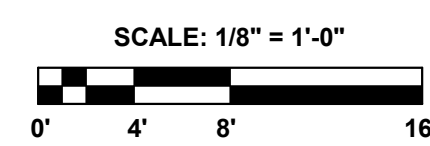
17.10.24

**SHEET NUMBER**

P103.3



**1 THIRD FLOOR PLAN - AREA B - DWV**  
1/8" = 1'-0"

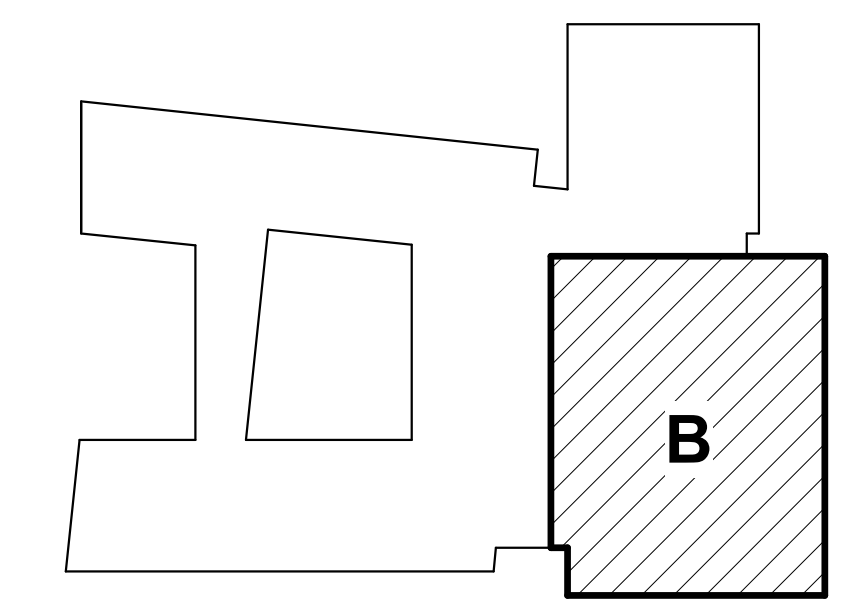


Chad Stewart & Associates, Inc.  
8720 Village Circle  
Phone 901-260-7850  
Lakeland, TN 38002  
CSAengineeringinc.com

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U485, U905
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**

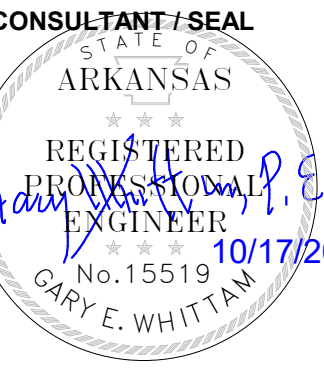


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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

**INFORMATION**



Revision Description Date



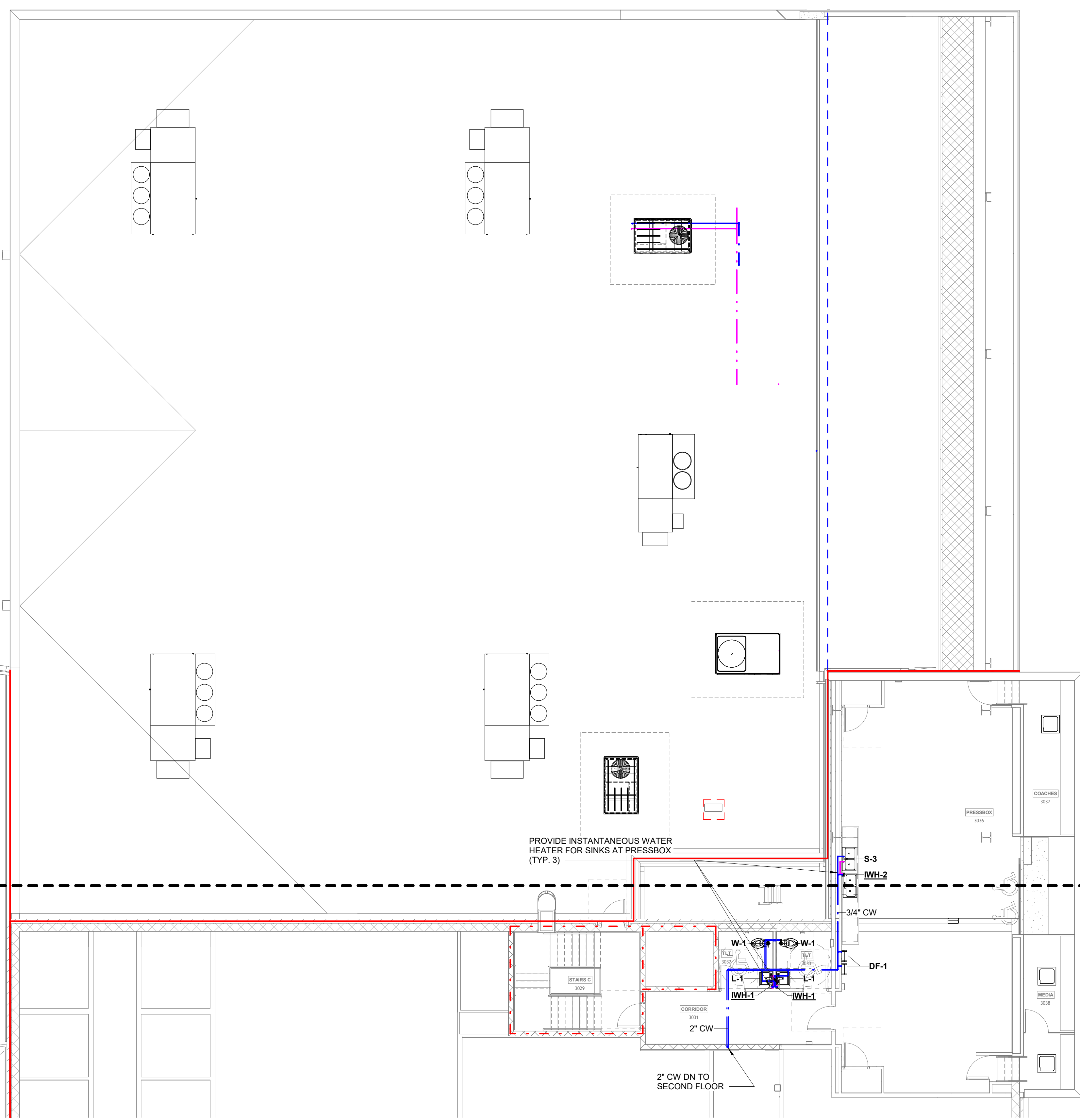
**SHEET TITLE**  
THIRD FLOOR PLAN - AREA C - PLUMBING

**DATE**  
17.10.24

**SHEET NUMBER**

**P103.4**

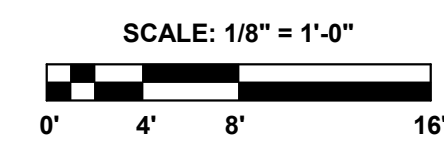
MATCHLINE AREA A  
MATCHLINE AREA B/C



PROVIDE INSTANTANEOUS WATER HEATER FOR SINKS AT PRESSBOX (TYP. 3)

2\"/>

**1 THIRD FLOOR PLAN - AREA B - PLUMBING**  
1/8" = 1'-0"





**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - SMOKE PARTITION

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**PROJECT NAME**  
 WSD - NEW SENIOR HIGH SCHOOL

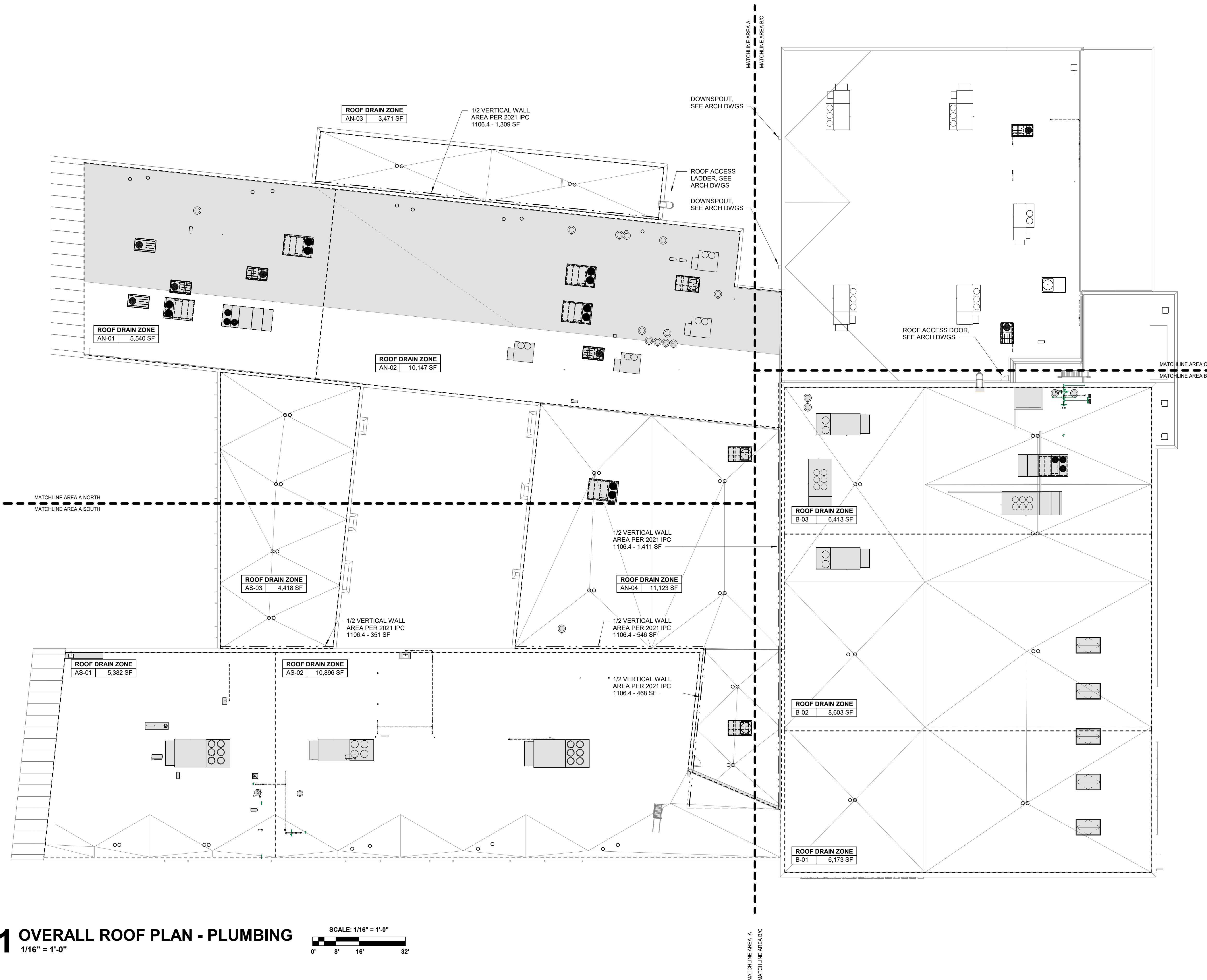
**LOCATION**  
 800 E JACKSON AVE  
 WYNNE AR 72396

**PROJECT NUMBER**  
 -

**DEVELOPER/OWNER**  
 WYNNE SCHOOL DISTRICT

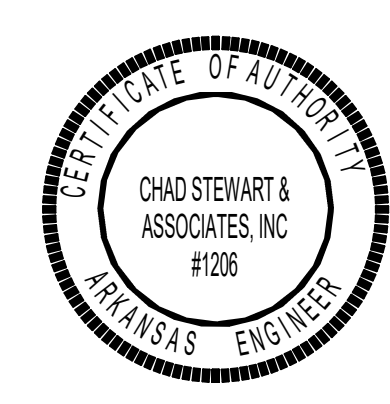


Revision Description Date



**1 OVERALL ROOF PLAN - PLUMBING**  
 1/16" = 1'-0"

SCALE: 1/16" = 1'-0"  
 0' 8' 16' 32'



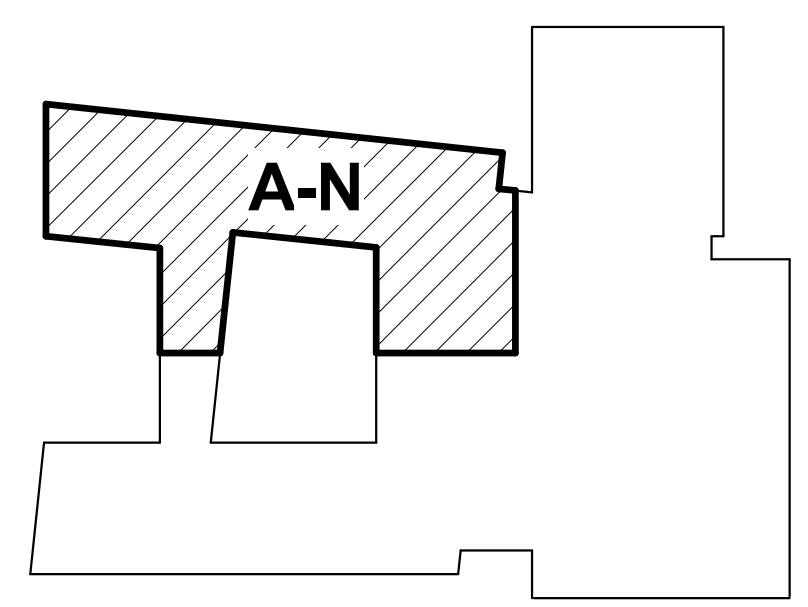
**SHEET TITLE**  
 OVERALL ROOF PLAN - PLUMBING

**DATE**  
 17.10.24

**SHEET NUMBER**

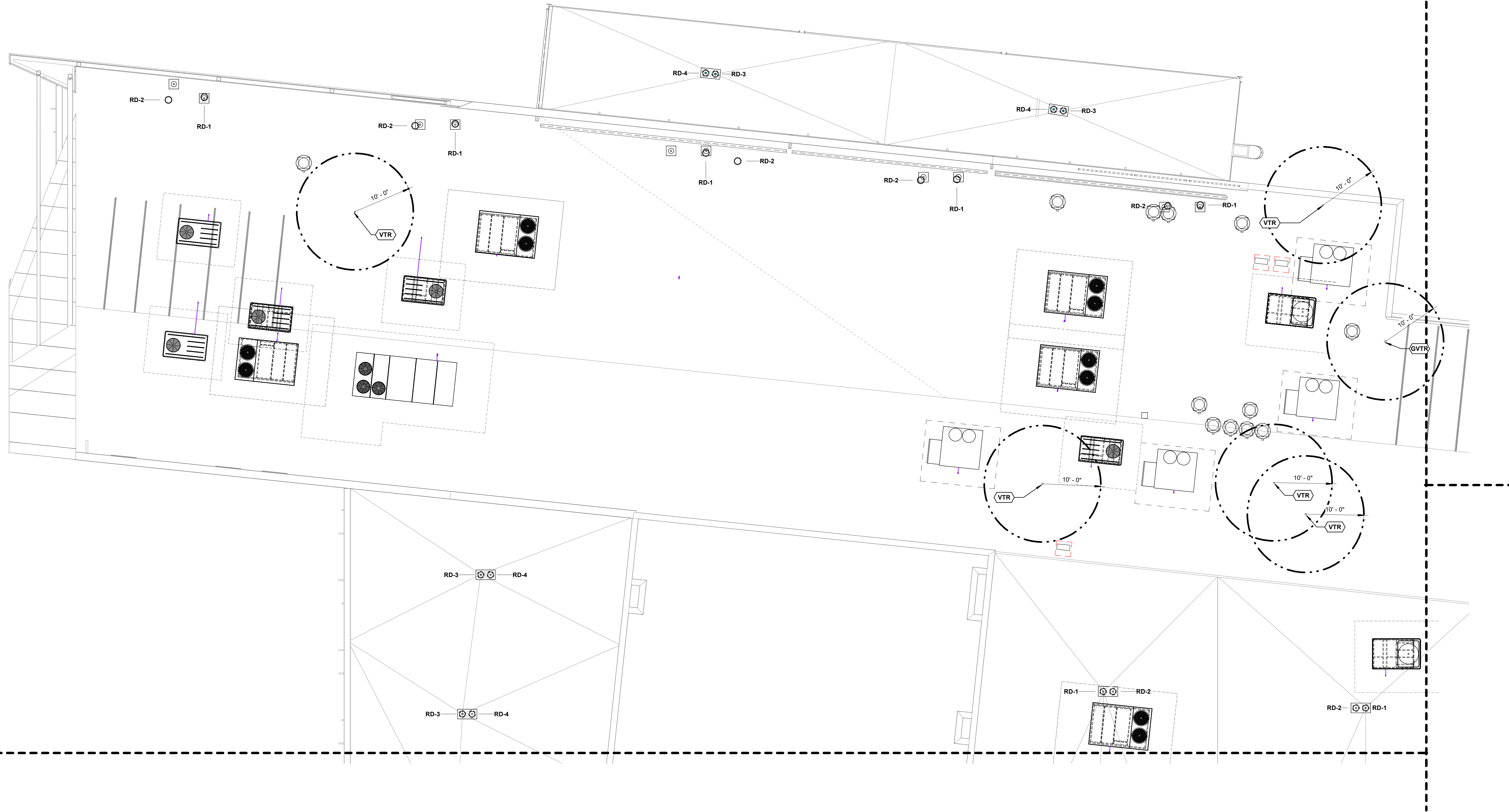
**P104**

KEYPLAN



GENERAL LIFE SAFETY NOTES

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U468, U905
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION



ARCH 1010

676 Marshall Ave., Suite 101  
 Memphis, TN 38103  
 901.497.6663  
 www.arch1010.com

**POLK  
 STANLEY  
 WILCOX**

801 South Spring Street  
 Little Rock, AR 72201  
 501.378.0878 office  
 www.polkstanleywilcox.com



PROJECT NAME

WSD - NEW SENIOR HIGH SCHOOL

LOCATION

800 E JACKSON AVE  
 WYNNE AR 72396

PROJECT NUMBER

-

DEVELOPER/OWNER

WYNNE SCHOOL DISTRICT

INFORMATION



Revision Description Date



SHEET TITLE  
 ROOF PLAN - AREA A  
 NORTH - PLUMBING

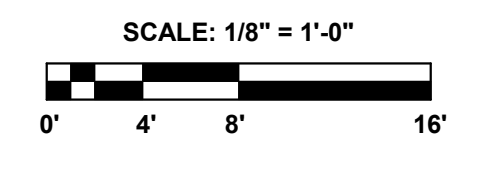
DATE  
 17.10.24

SHEET NUMBER

P104.1



**1 ROOF PLAN - AREA A NORTH - PLUMBING**  
 1/8" = 1'-0"

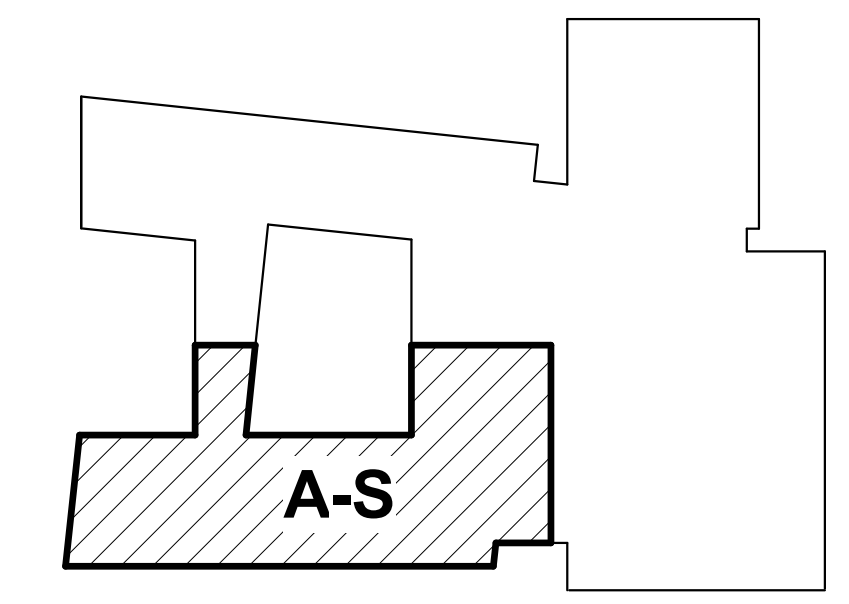


**CSA** PROJECT NO. 24122  
 Chad Stewart & Associates, Inc.  
 9720 Village Circle Lakeland, TN 38002  
 Phone 901-260-7850 CSAengineeringinc.com

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U469, U905
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



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Memphis, TN 38103  
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STANLEY  
WILCOX**

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Little Rock, AR 72201  
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CONSULTANT / SEAL



**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
WYNNE AR 72396

**PROJECT NUMBER**

-

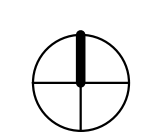
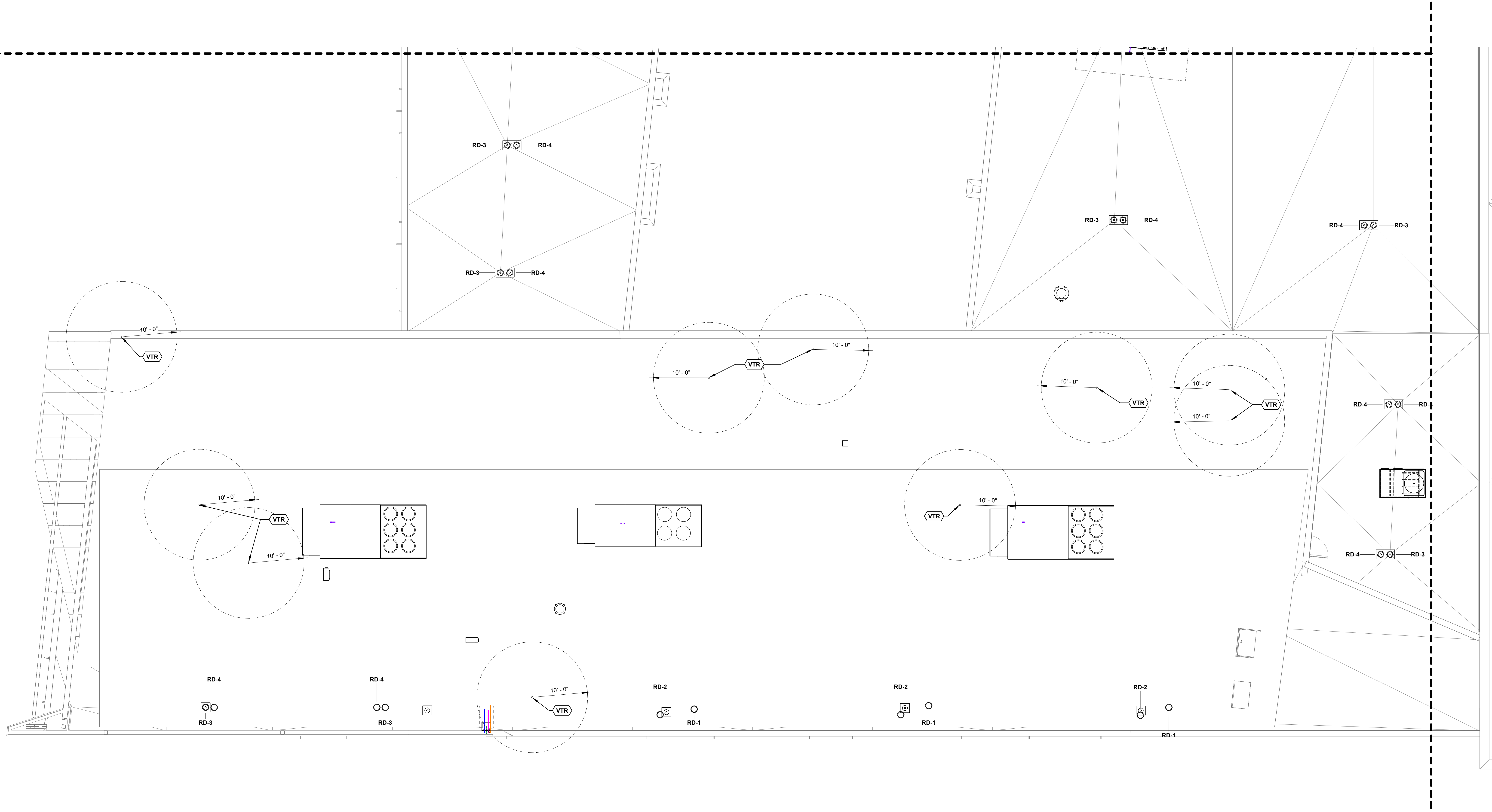
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

**INFORMATION**



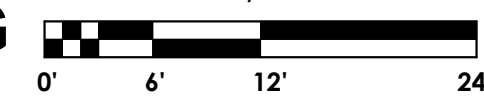
Revision Description Date



**1 ROOF PLAN - AREA A SOUTH - PLUMBING**

1/8" = 1'-0"

SCALE: 3/32" = 1'-0"



**SHEET TITLE**

ROOF PLAN - AREA A SOUTH - PLUMBING

**DATE**

17.10.24

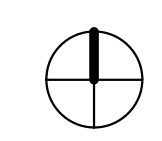
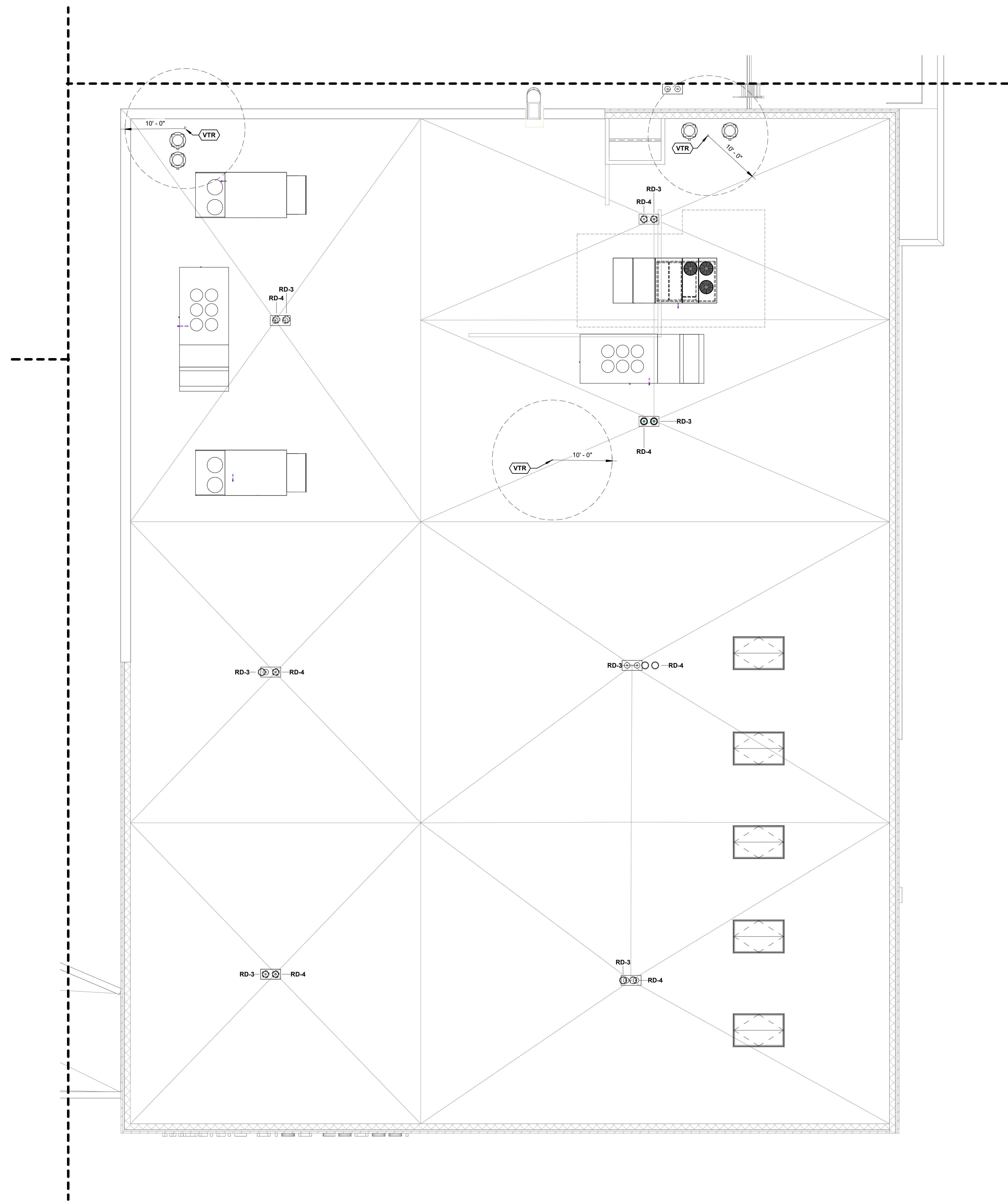
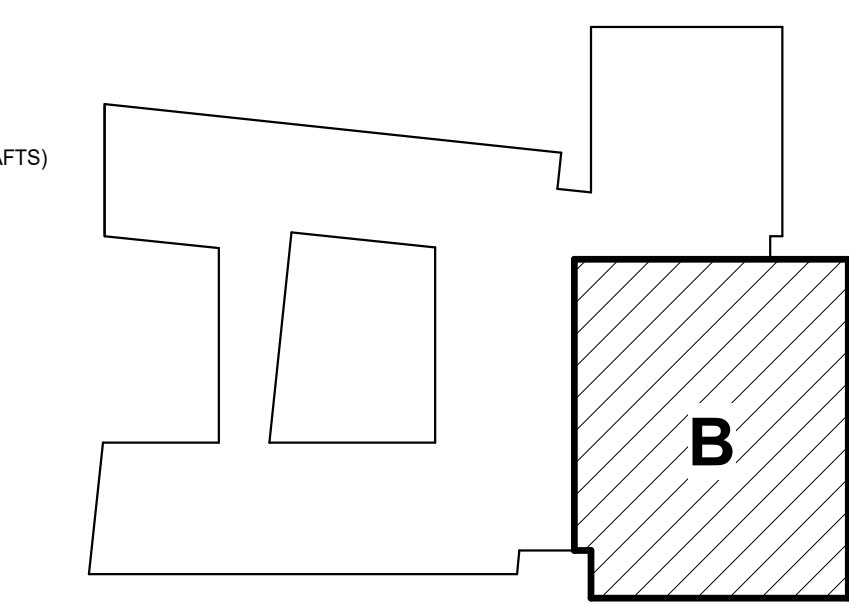
**SHEET NUMBER**

P104.2

**GENERAL LIFE SAFETY NOTES**

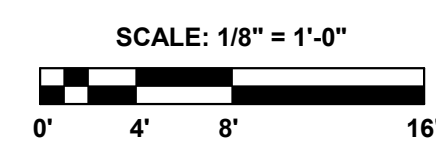
- WALL RATINGS**
- 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U469, U905
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - SMOKE PARTITION

**KEYPLAN**



**1 ROOF PLAN - AREA B - PLUMBING**

1/8" = 1'-0"



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 501.378.0878 office  
 www.polkstanleywilcox.com



**CONSULTANT / SEAL**

REGISTERED PROFESSIONAL ENGINEER  
 GARY E. WHITTEN  
 No. 15519  
 10/17/2024

**PROJECT NAME**  
 WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**  
 800 E JACKSON AVE  
 WYNNE AR 72396

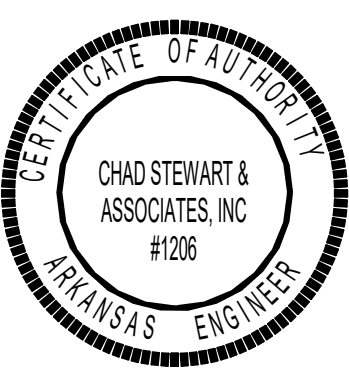
**PROJECT NUMBER**  
 -

**DEVELOPER/OWNER**  
 WYNNE SCHOOL DISTRICT

**INFORMATION**



Revision Description Date



**SHEET TITLE**  
 ROOF PLAN - AREA B - PLUMBING

**DATE**  
 17.10.24

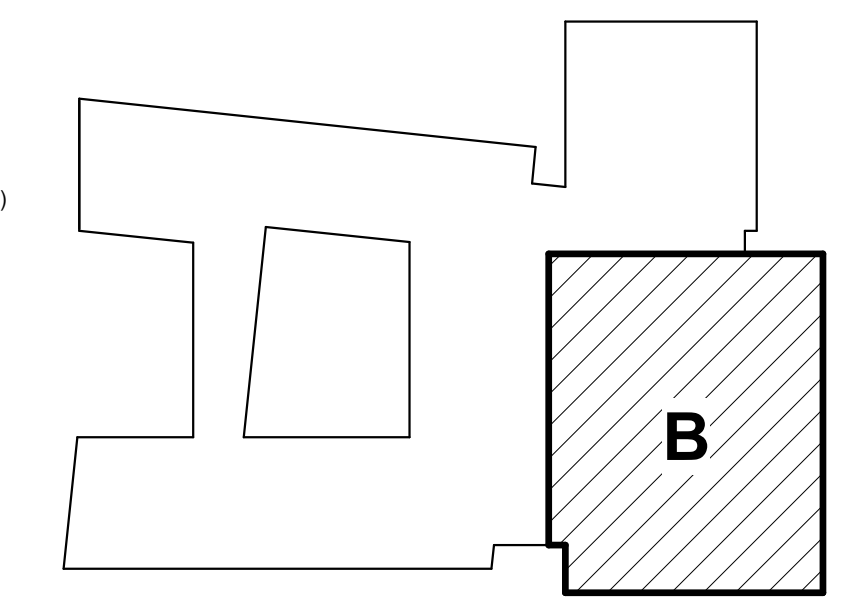
**SHEET NUMBER**

**P104.3**

**GENERAL LIFE SAFETY NOTES**

- WALL RATINGS**
- - - - - 1 HR FIRE BARRIER (FIRE STAIRS, ELEVATOR SHAFTS, MECH. SHAFTS, SHAFTS)
  - UL DESIGN NUMBERS - U469, U905
  - 2 HR FIRE WALL (BUILDING SEPARATION WALL)
  - UL DESIGN NUMBERS - U497, U905, U916
  - - - - - SMOKE PARTITION

**KEYPLAN**



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**POLK  
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**PROJECT NAME**

WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**

800 E JACKSON AVE  
 WYNNE AR 72396

**PROJECT NUMBER**

-

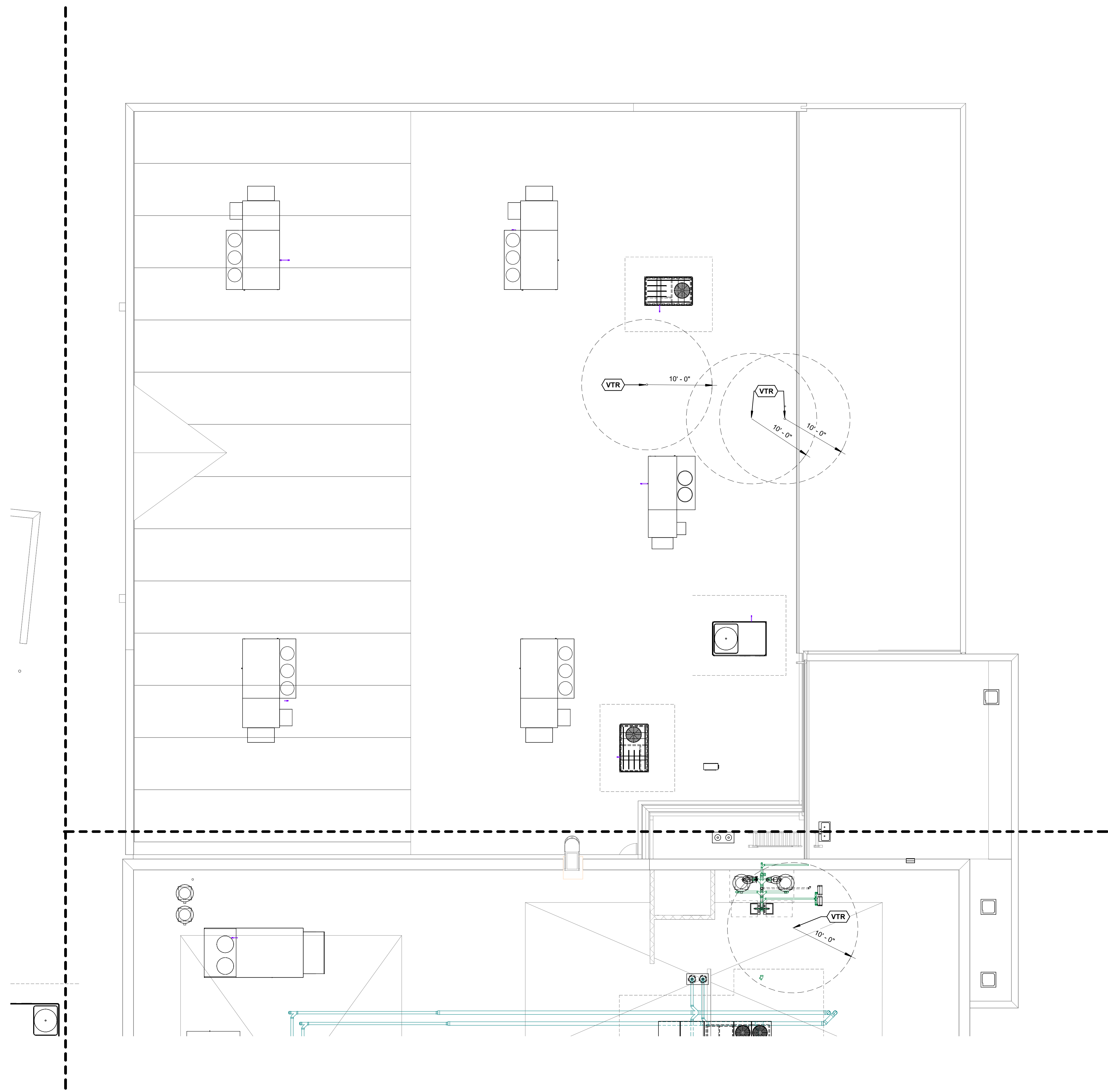
**DEVELOPER/OWNER**

WYNNE SCHOOL DISTRICT

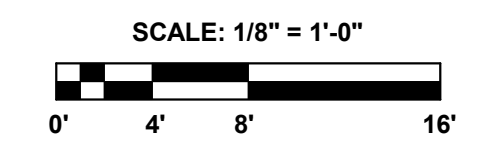
**INFORMATION**



Revision Description Date



**1 ROOF PLAN - AREA C - PLUMBING**  
 1/8" = 1'-0"



**SHEET TITLE**  
 ROOF PLAN - AREA C - PLUMBING

**DATE**  
 17.10.24

**SHEET NUMBER**

**P104.4**



PLUMBING KEYNOTE LEGEND	
P2	3/4" CD TO RTU
P3	2" V DOWN TO 1ST FLOOR KITCHEN
VTR	VENT THRU ROOF



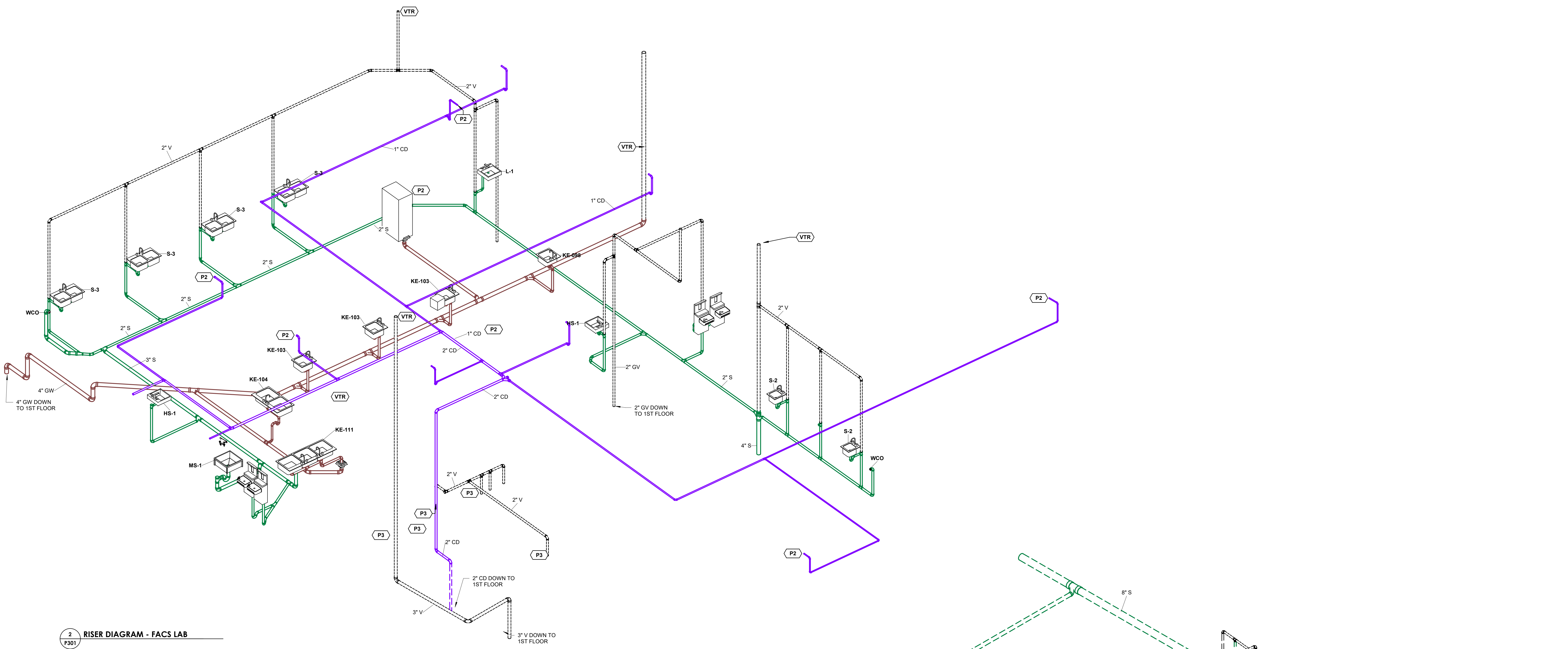
**PROJECT NAME**  
 WSD - NEW SENIOR HIGH SCHOOL

**LOCATION**  
 800 E JACKSON AVE  
 WYNNE AR 72396

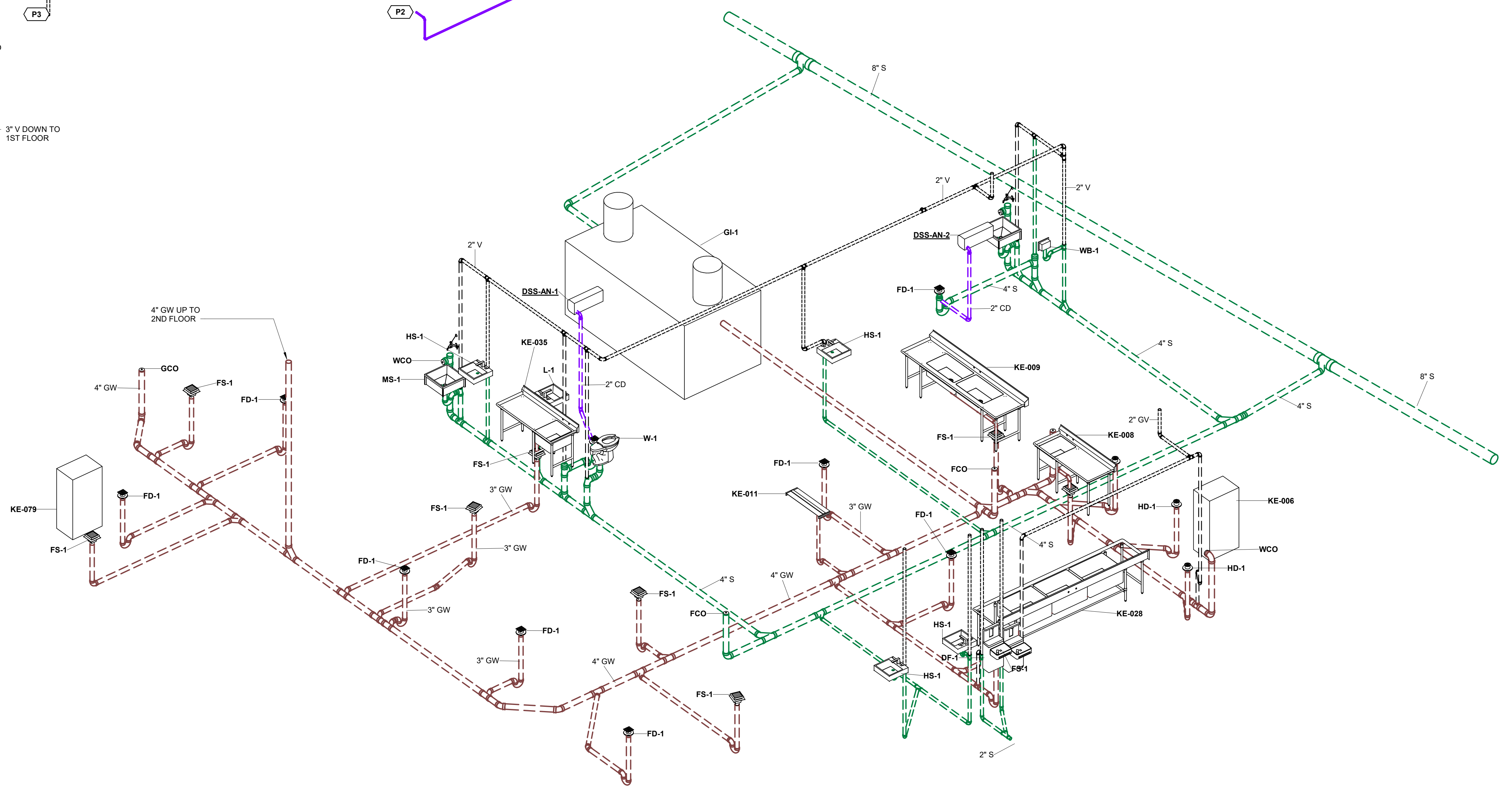
**PROJECT NUMBER**  
 -

**DEVELOPER/OWNER**  
 WYNNE SCHOOL DISTRICT

**INFORMATION**



2 RISER DIAGRAM - FACs LAB  
 P301



1 RISER DIAGRAM - KITCHEN  
 P301

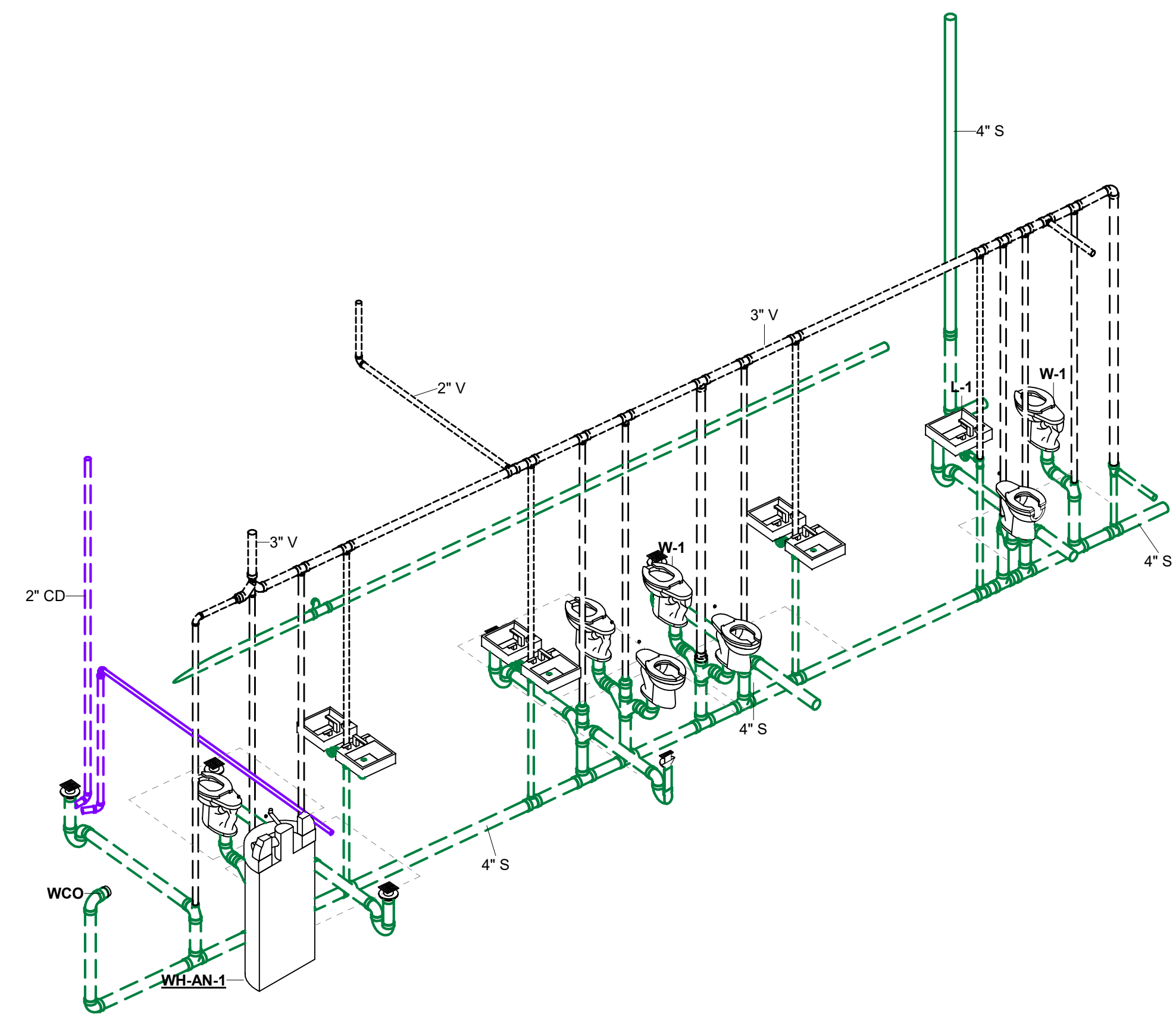


**SHEET TITLE**  
 RISER DIAGRAMS

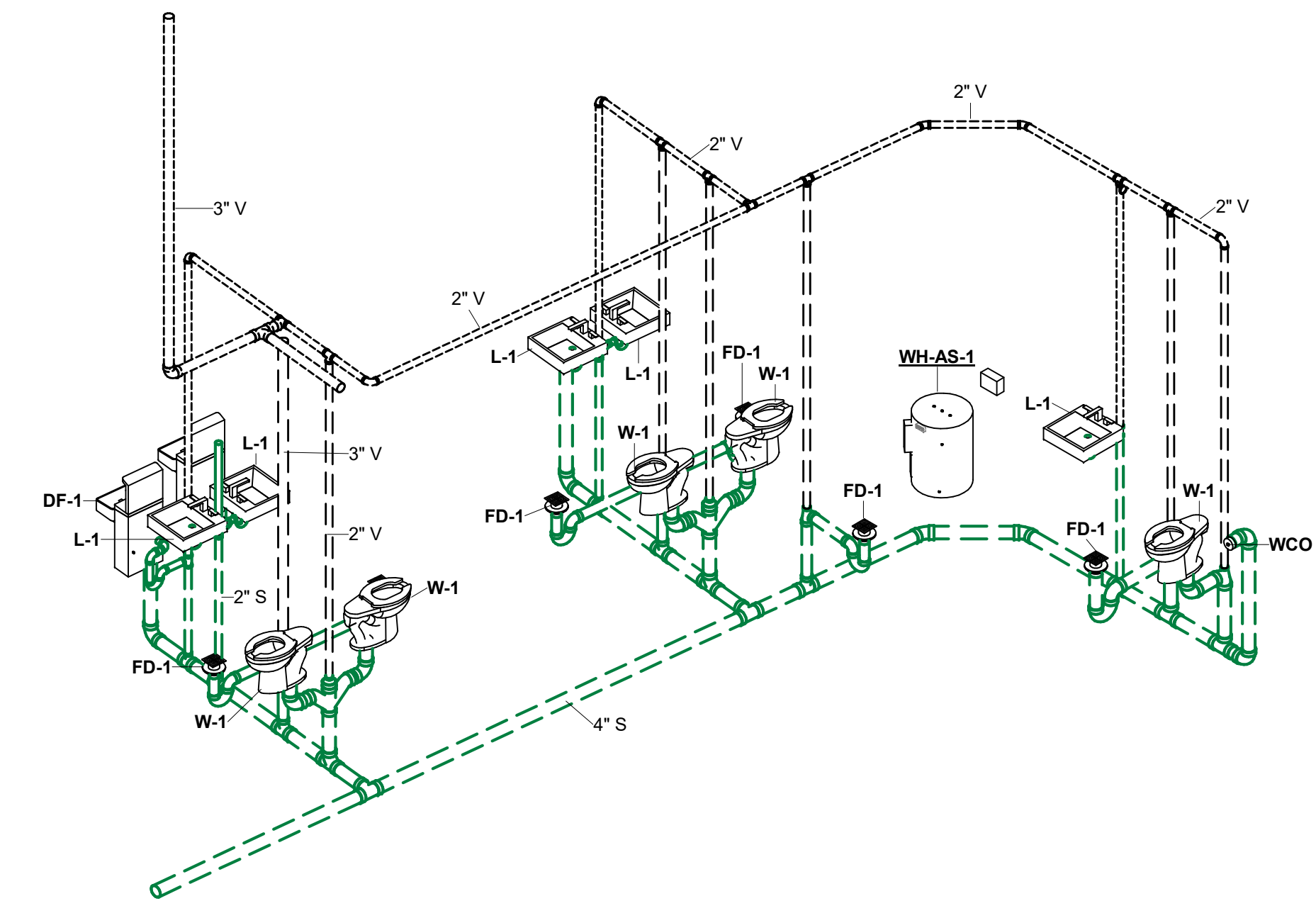
**DATE**  
 17.10.24

**SHEET NUMBER**

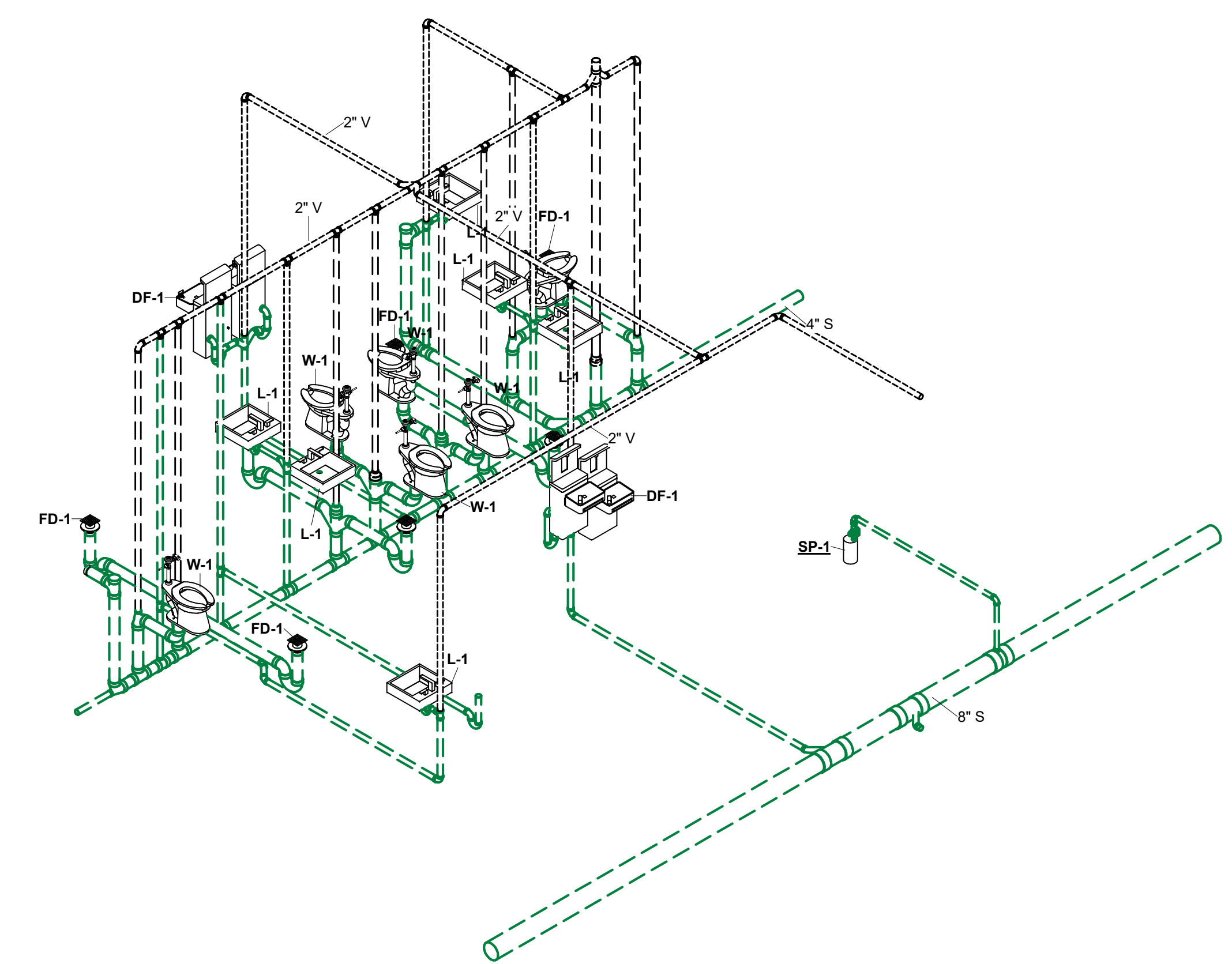
**P301**



1 RISER DIAGRAM - AREA A NORTH - BATHROOM  
 F302



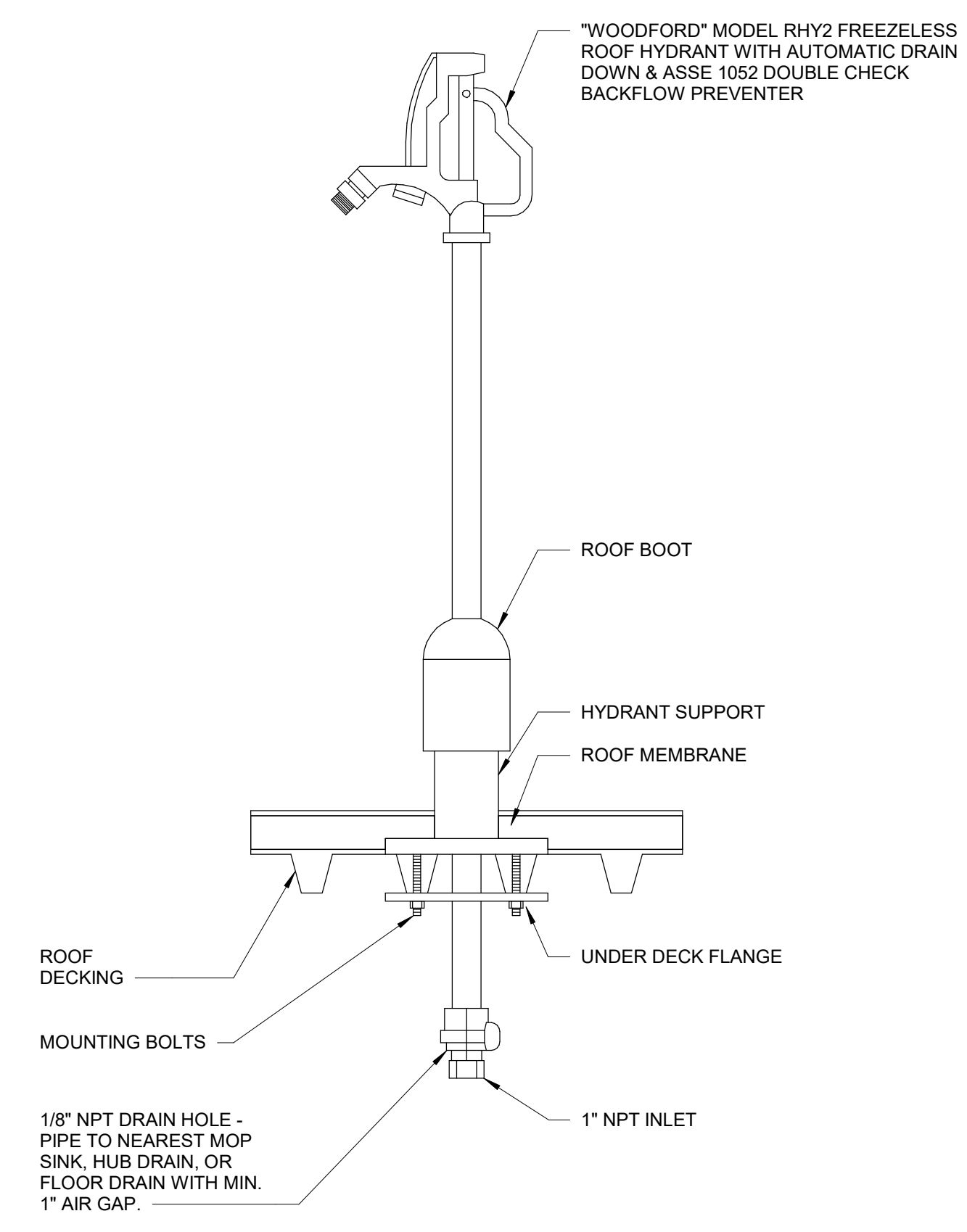
2 RISER DIAGRAM - AREA A SOUTH - BATHROOMS  
 F302



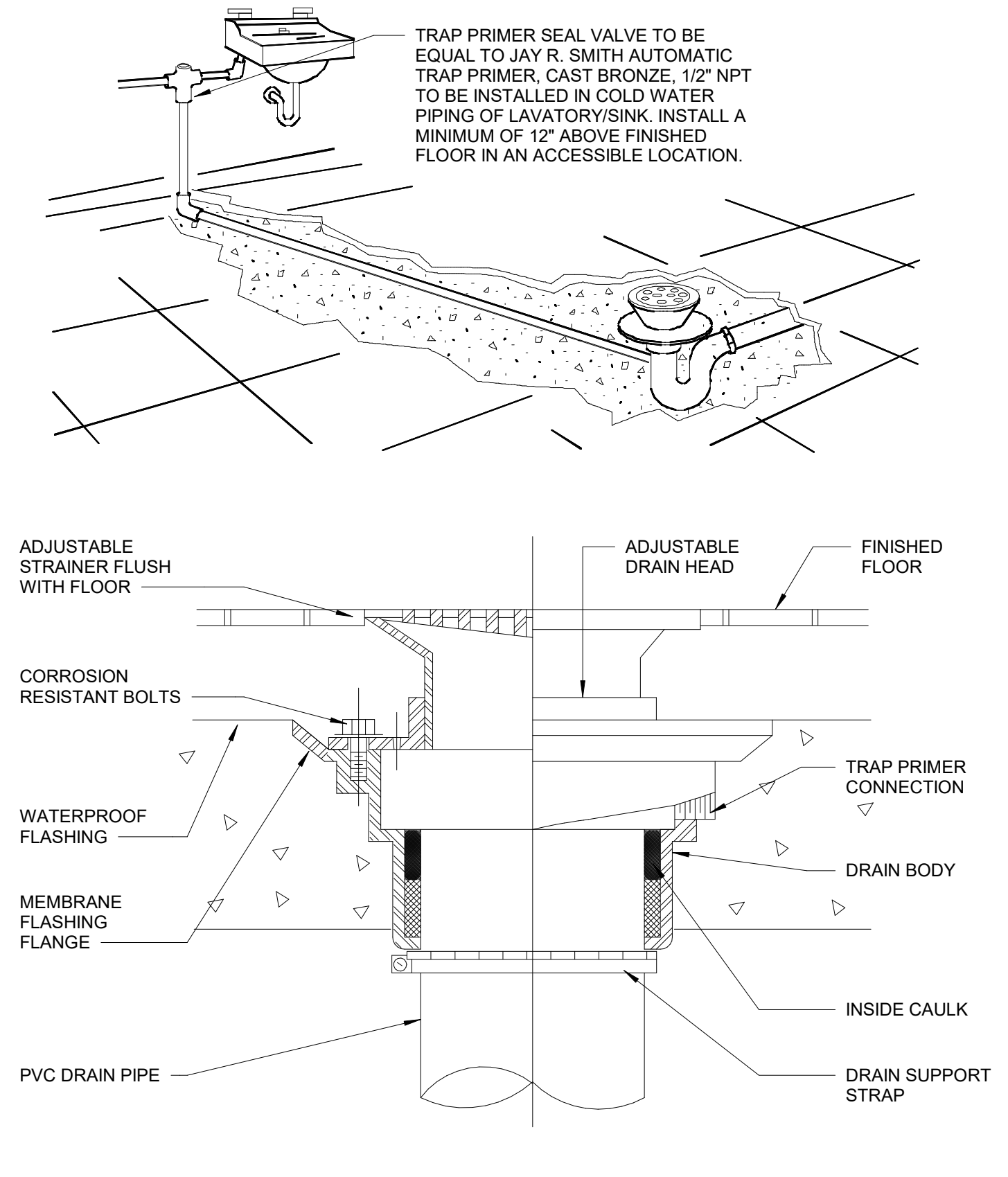
3 RISER DIAGRAM - AREA A SOUTH - BATHROOM  
 F302



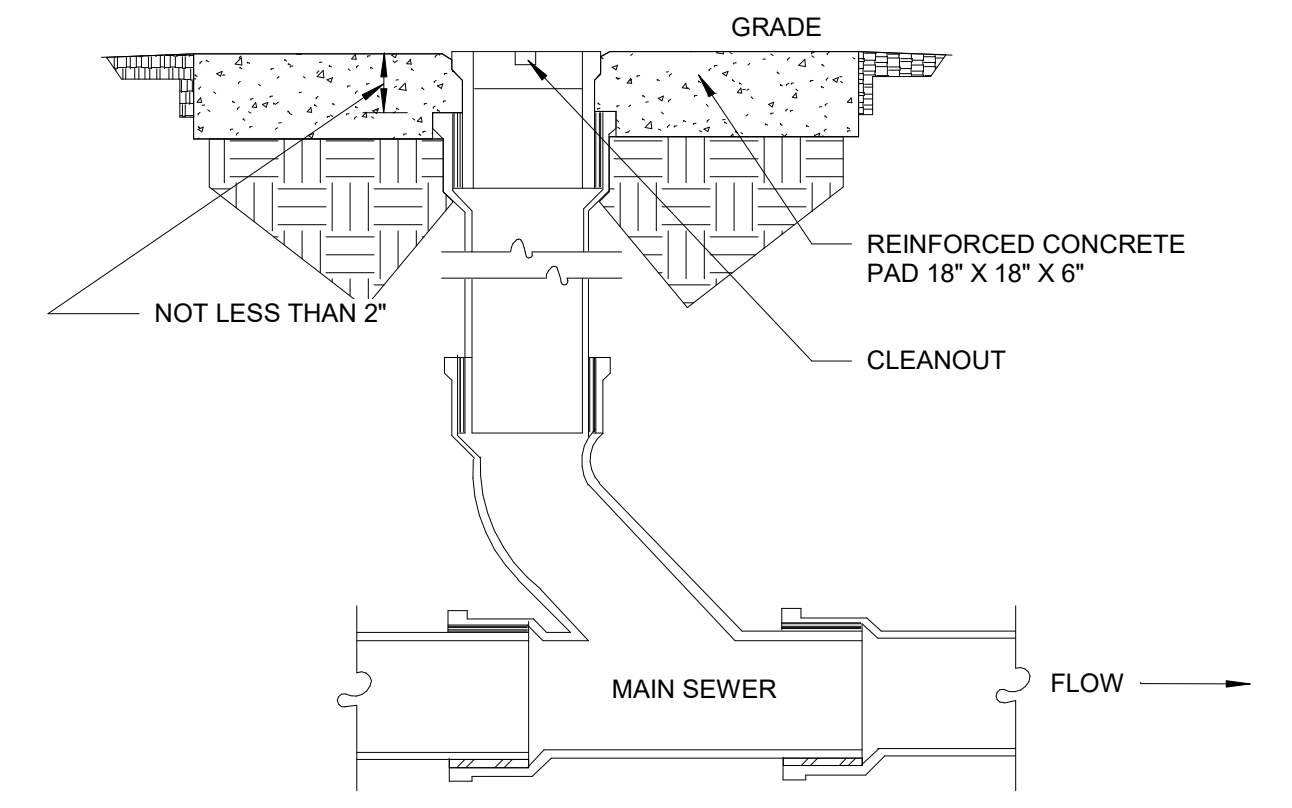




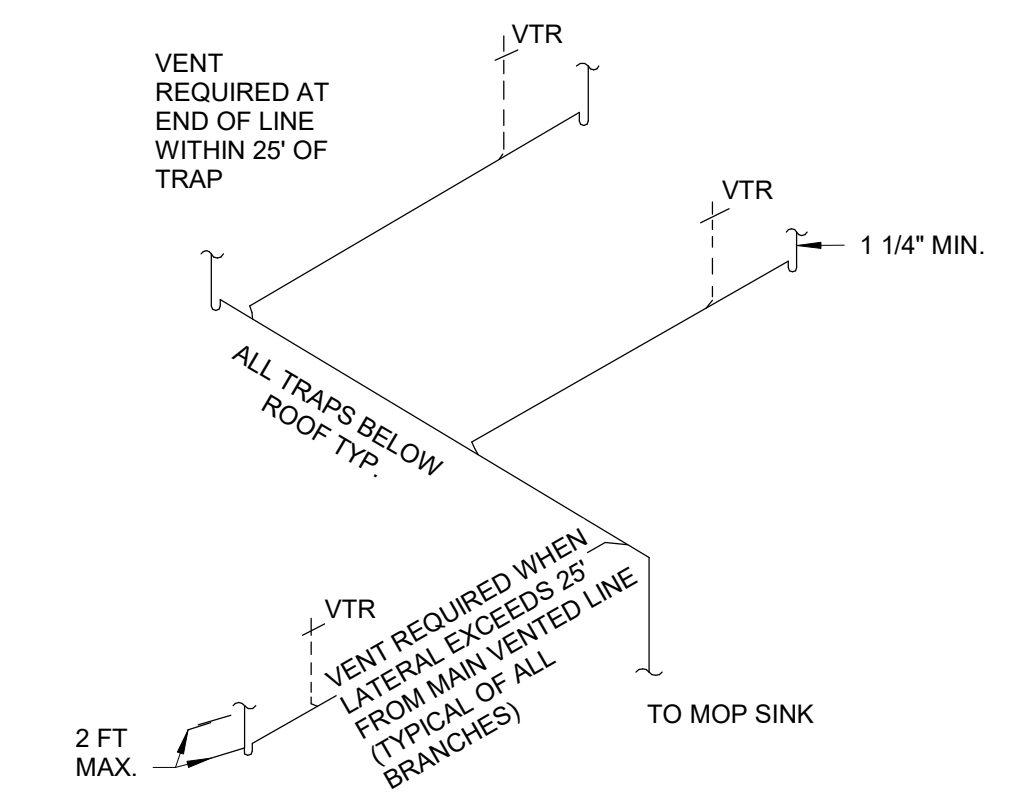
**1 ROOFTOP HOSE BIBB DETAIL**  
 N.T.S.



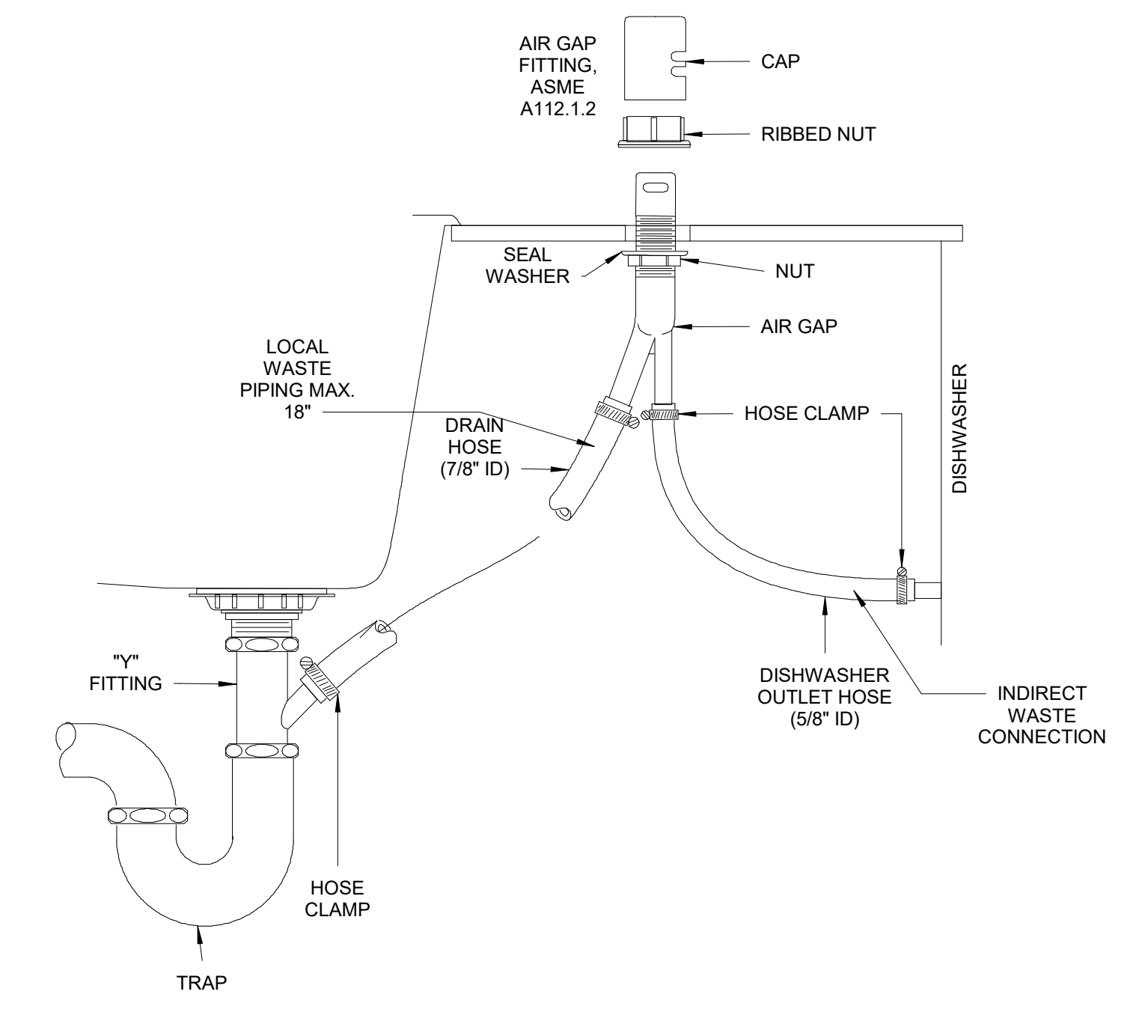
**2 FLOOR DRAIN WITH TRAP PRIMER DETAIL**  
 N.T.S.



**3 EXTERIOR CLEANOUT DETAIL**  
 N.T.S.



**4 CONDENSATE PIPING DETAIL**  
 N.T.S.

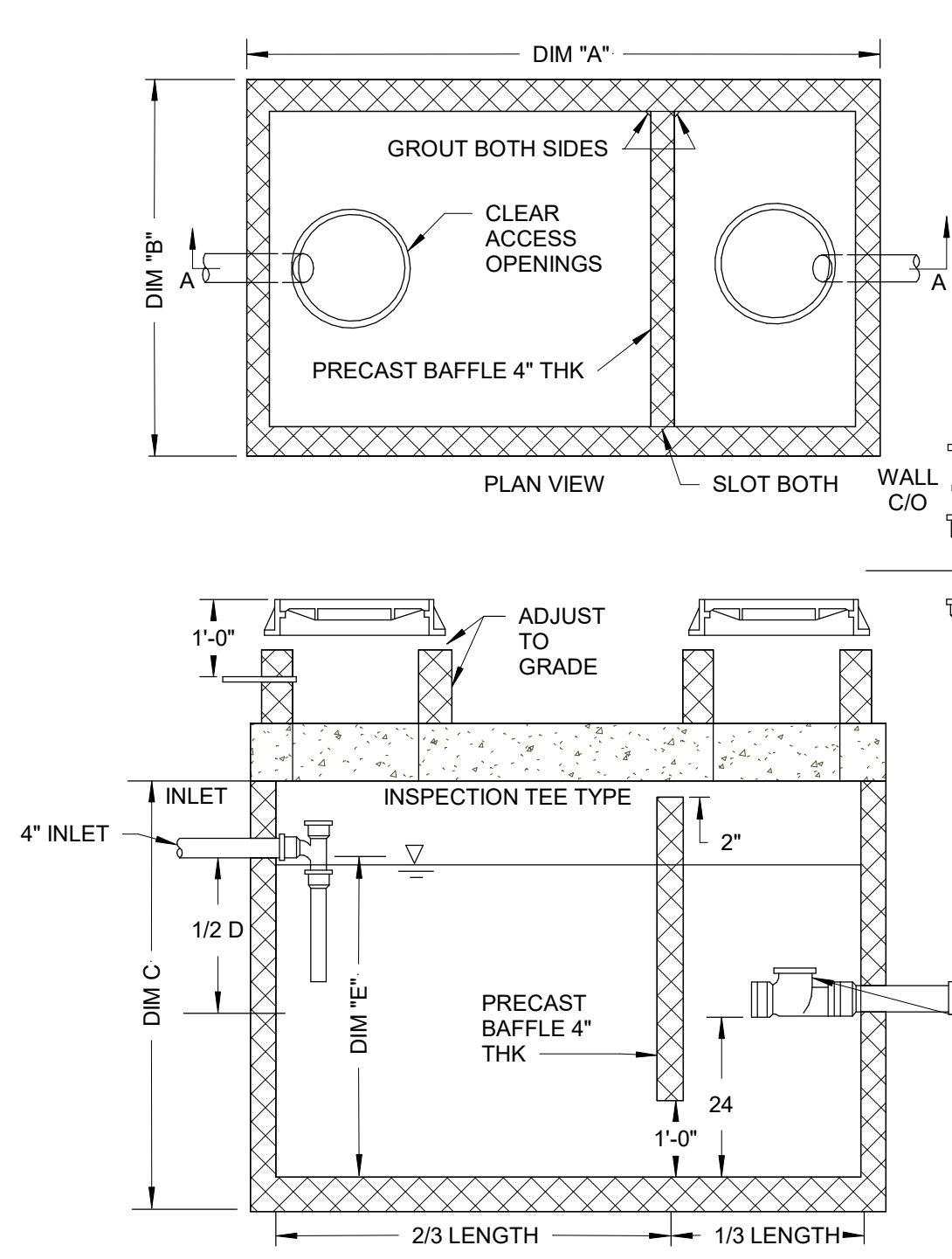


**5 UNDERCOUNTER DISHWASHER PIPING DETAIL**  
 N.T.S.

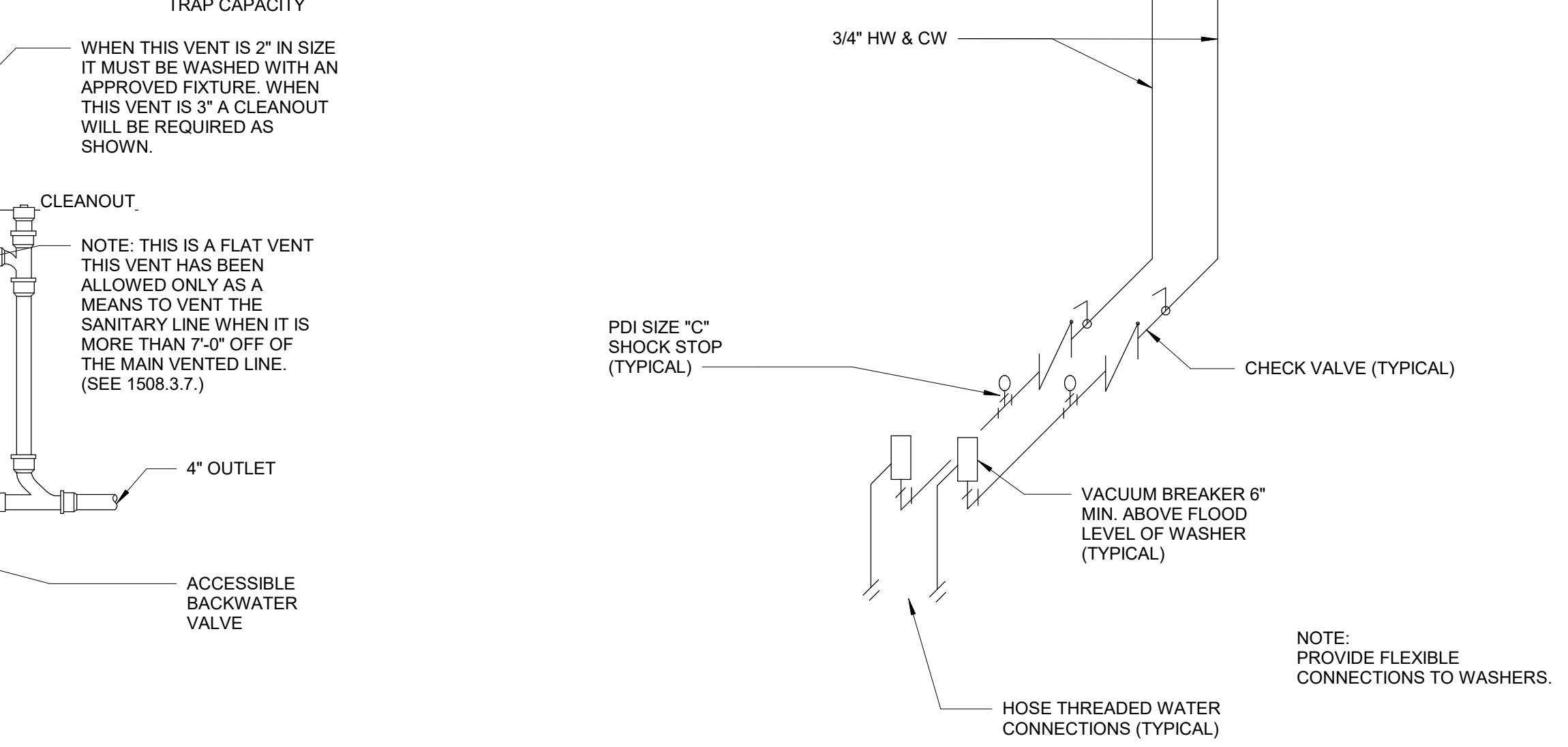
SIZING CHART

GALLON CAPACIT	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"
600	7'-0"	4'-8"	7'-0"	3'-6"	3'-2"
750	7'-0"	4'-8"	7'-0"	4'-3"	3'-11"
1000	7'-0"	5'-0"	7'-2"	4'-2"	3'-10"
1250	9'-0"	5'-0"	7'-2"	5'-2"	4'-10"
1500	9'-0"	5'-8"	7'-2"	4'-4"	4'-0"
1750	11'-2"	5'-8"	7'-2"	4'-11"	4'-7"
2000	11'-2"	6'-8"	8'-0"	4'-7"	3'-10"
2500	12'-8"	6'-8"	8'-0"	5'-6"	4'-9"
2750	12'-8"	6'-8"	8'-0"	6'-0"	5'-3"
3000	15'-7"	9'-7"	8'-6.5"	5'-0"	3'-9"
4000	15'-7"	9'-7"	8'-6.5"	6'-3"	5'-0"
5000	19'-11"	9'-11"	8'-11"	6'-2"	4'-9"
6000	19'-11"	9'-11"	10'-5"	7'-2"	5'-9"

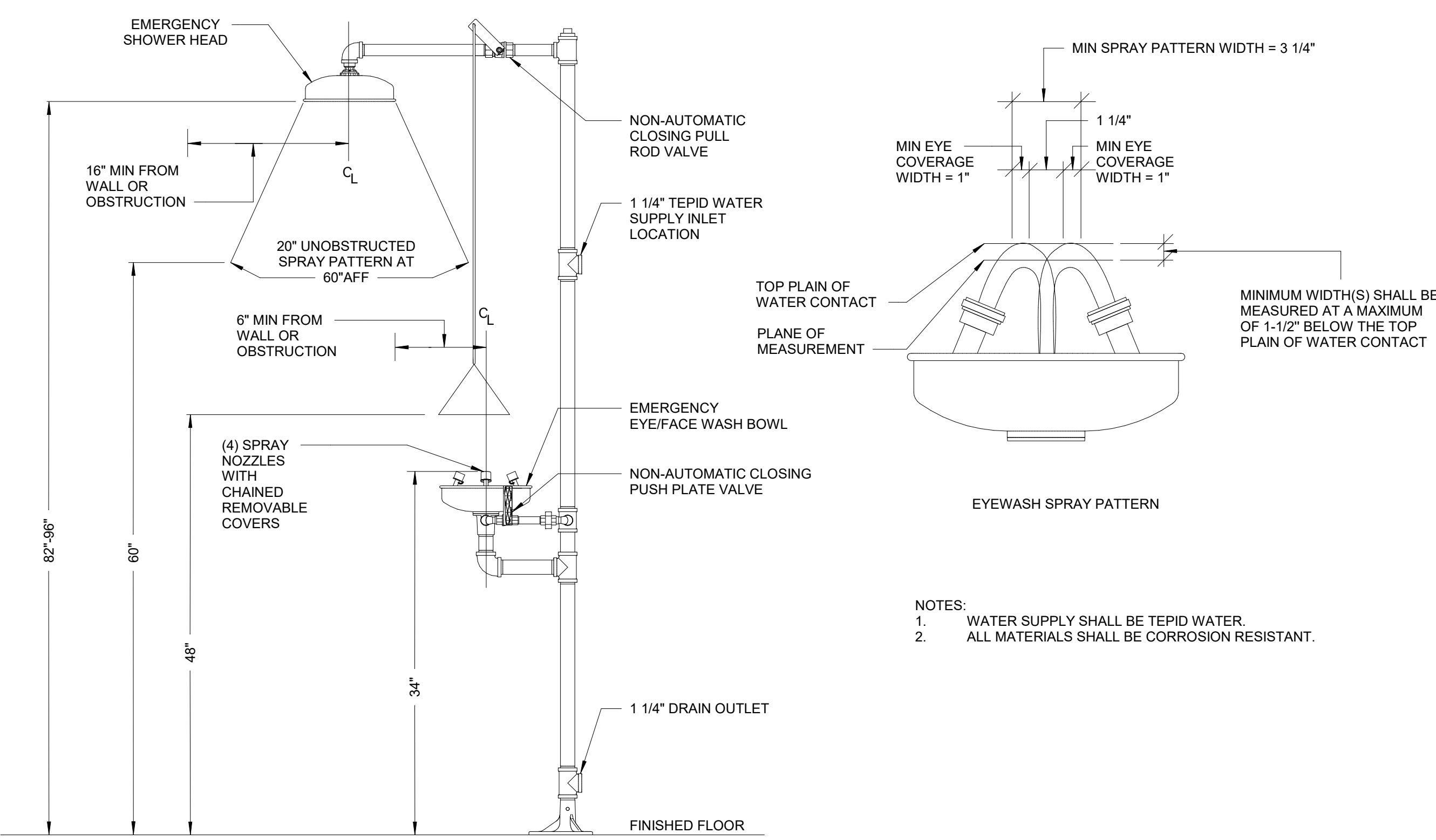
\*BOTTOM SLAB THICKNESS INCREASES WITH TRAP CAPACITY



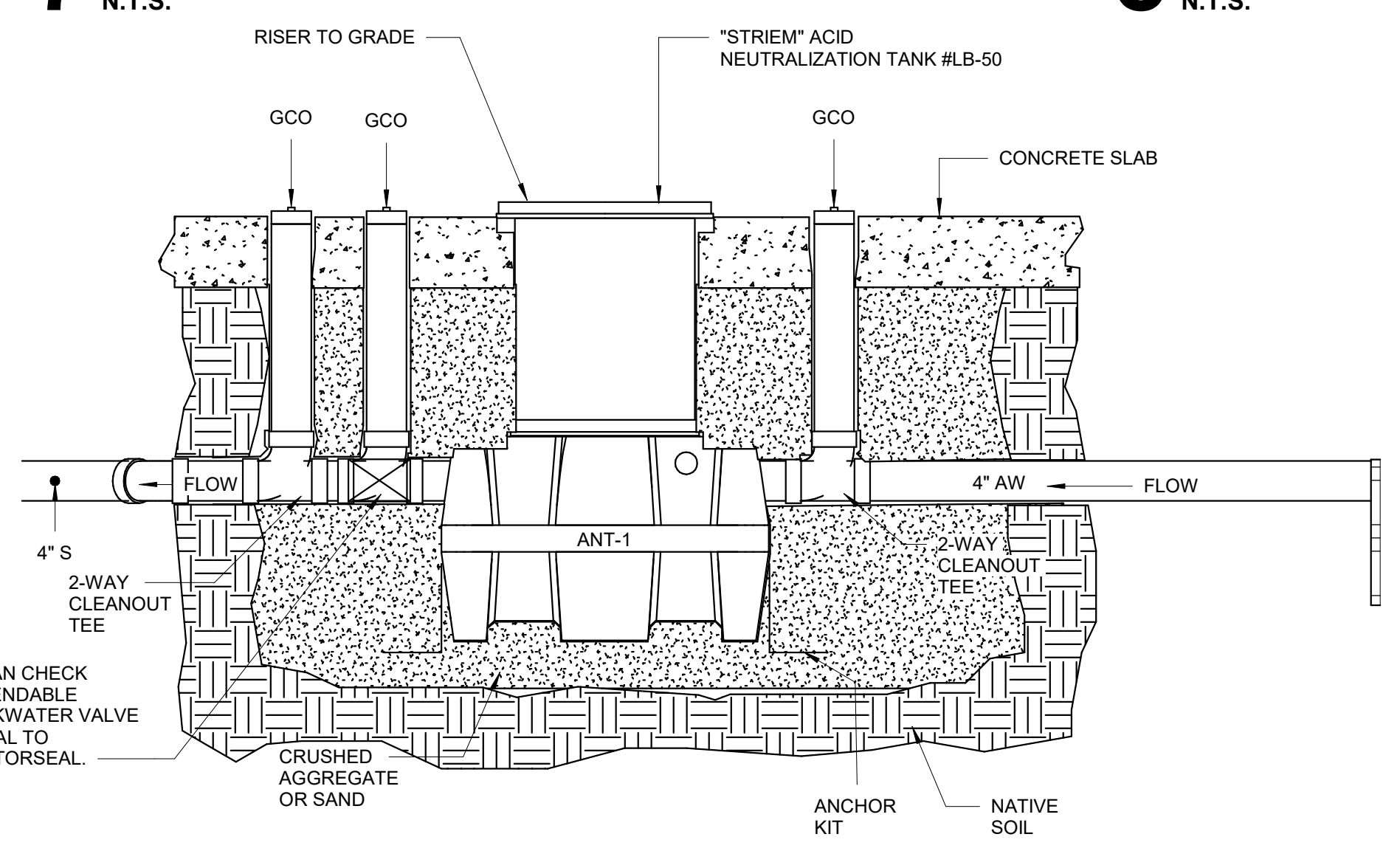
**6 GREASE INTERCEPTOR DETAIL**  
 N.T.S.



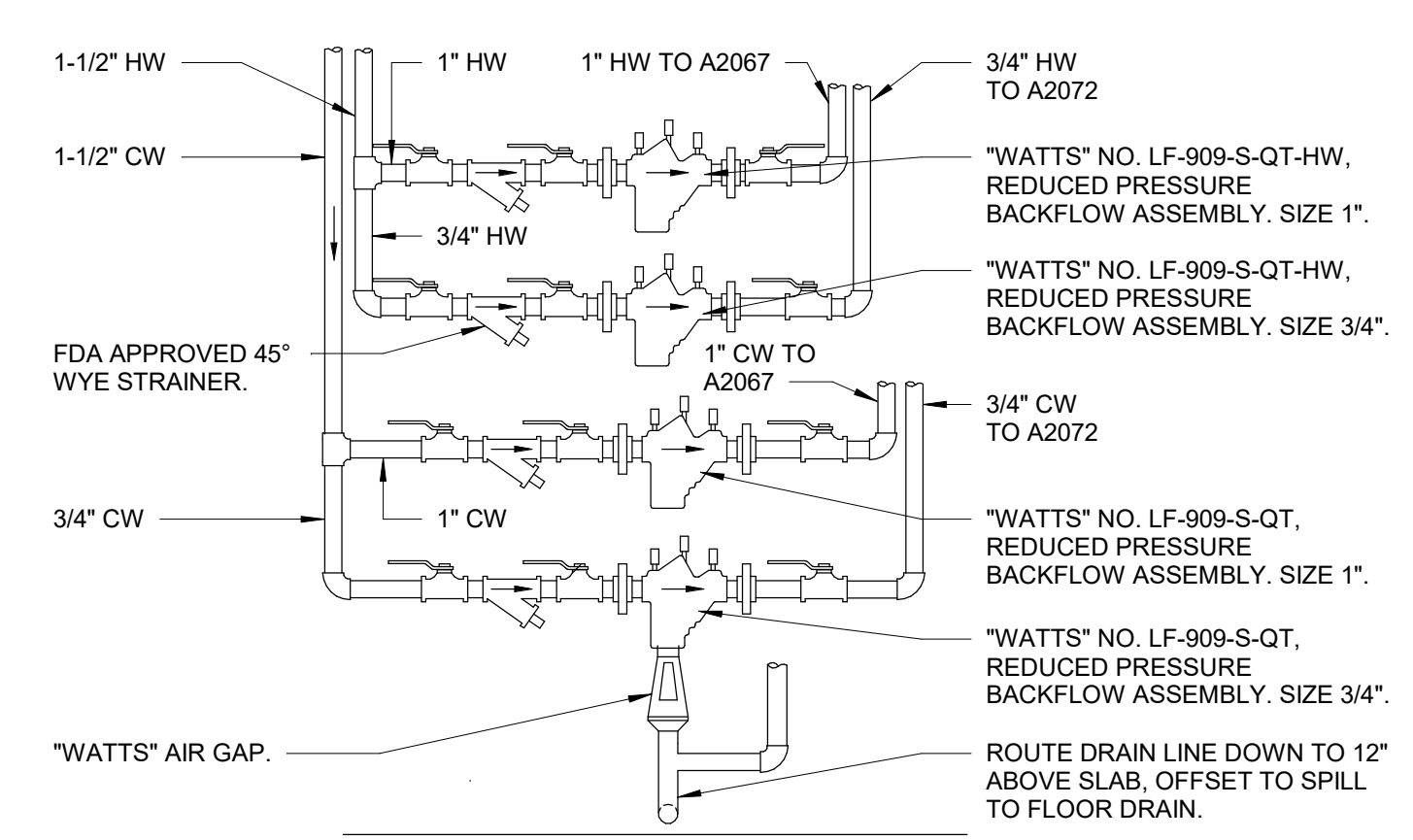
**7 MULTIPLE WASHER CONN. DETAIL**  
 N.T.S.



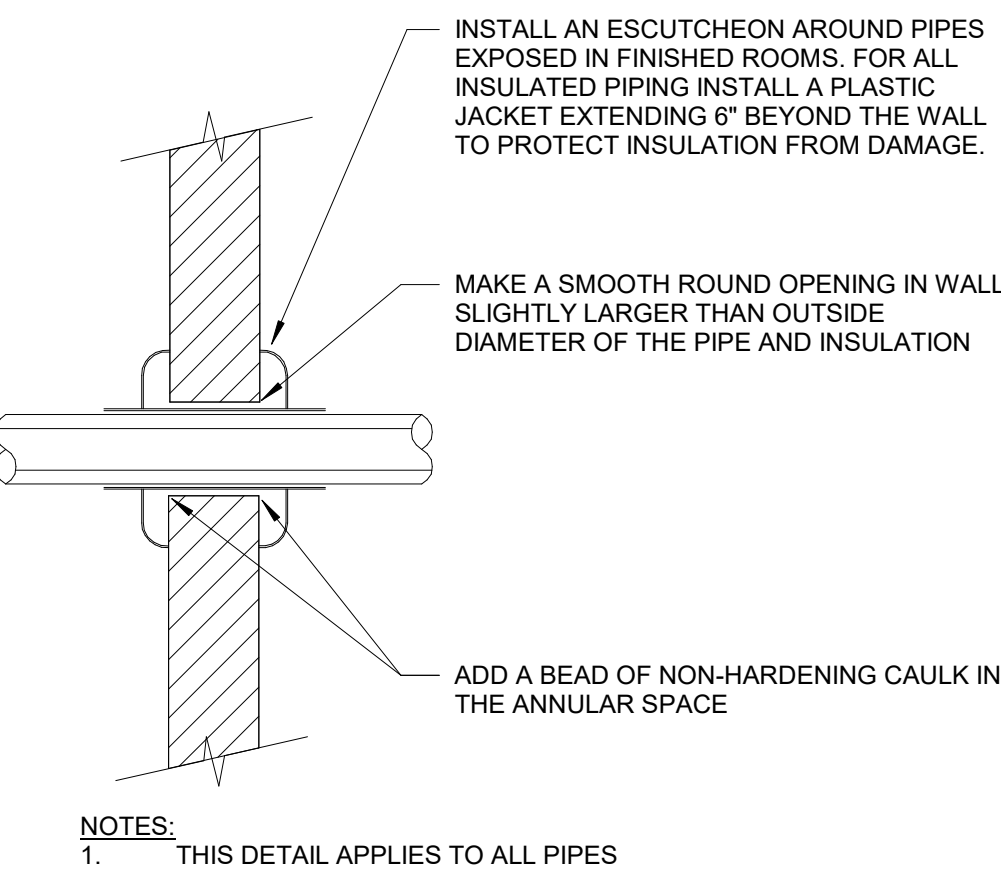
**8 COMBINATION ADA EMERGENCY SHOWER AND EYE/FACEWASH STATION DETAIL**  
 N.T.S.



**9 LAB FP ASSEMBLIES DETAIL**  
 N.T.S.

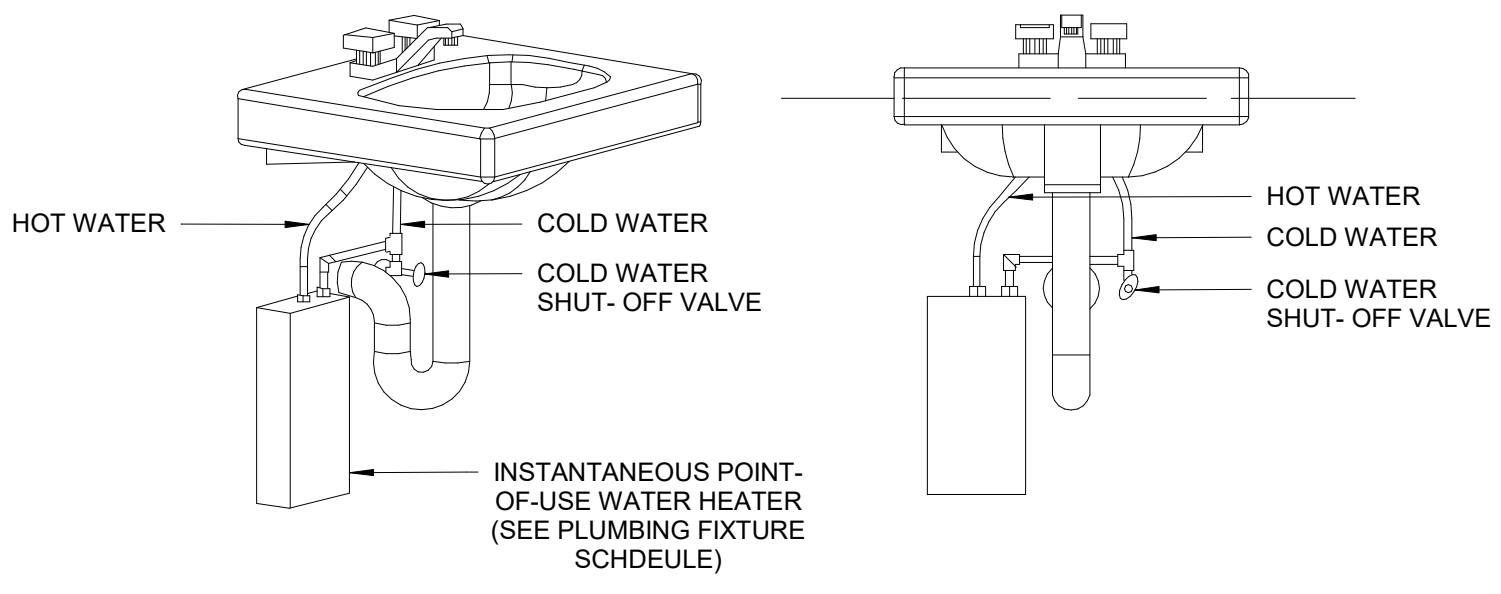


**10 LAB BASIN DETAIL**  
 N.T.S.



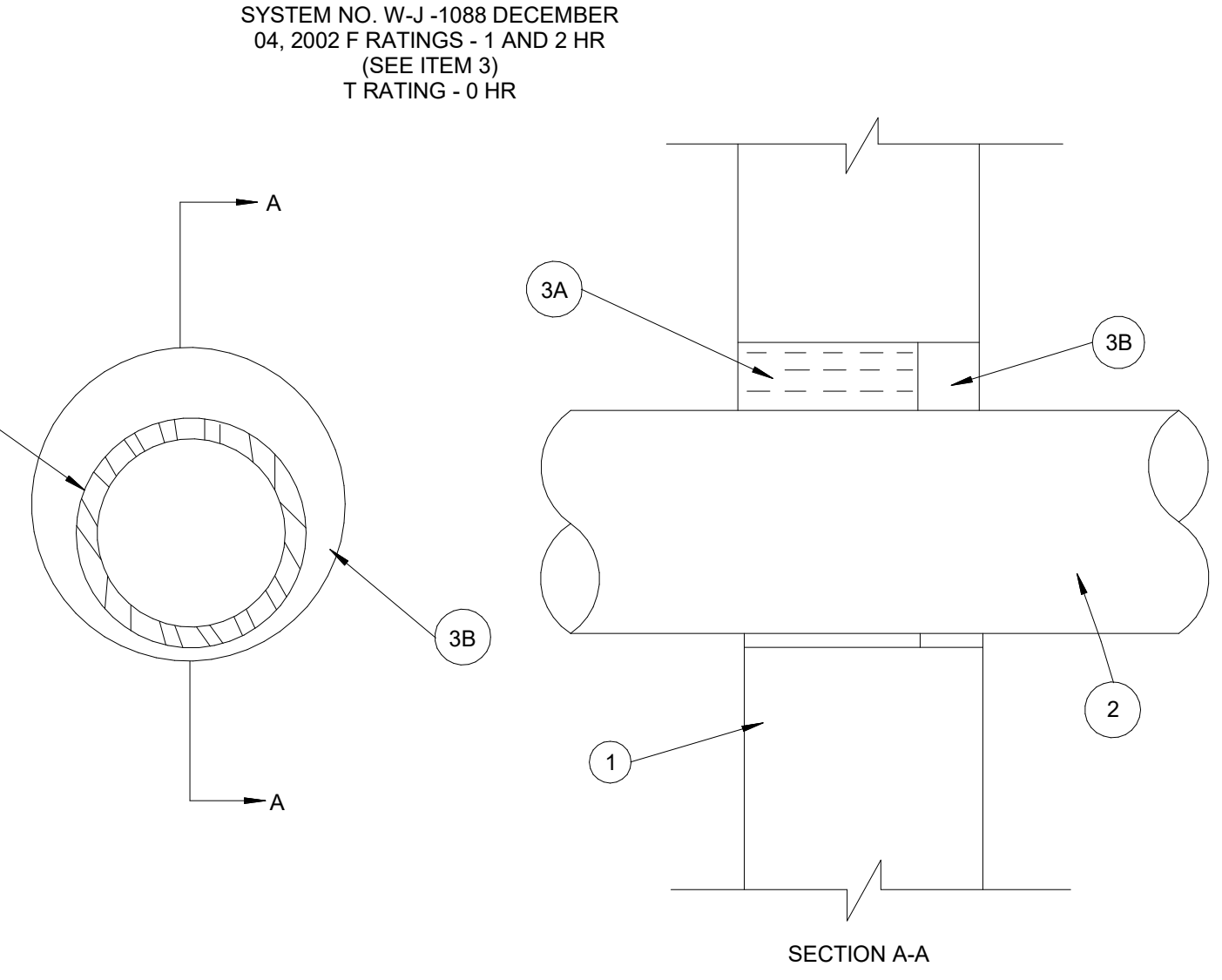
# 1 INTERIOR WALL PENETRATION DETAIL

N.T.S.



# 8 INSTANTANEOUS WATER HEATER DETAIL

N.T.S.



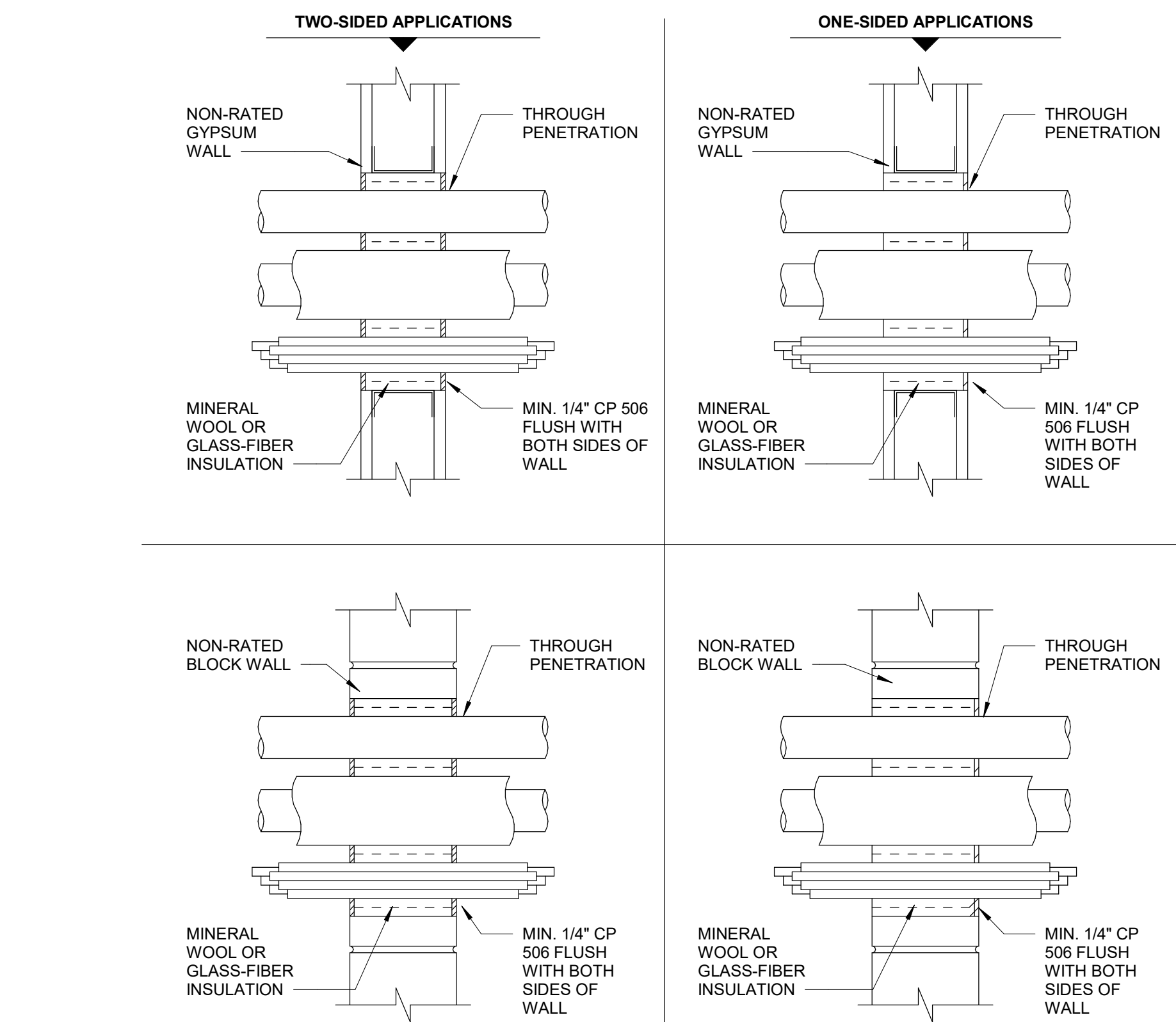
1. WALL ASSEMBLY - MIN 3/4 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE, WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS\*. MAX DIAMETER OF OPENING 10-1/2 IN. SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
2. THROUGH-PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE OF MIN 1/4 IN. TO MAX 1-5/8 IN. IS REQUIRED WITHIN FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDERS OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
- A. STEEL PIPE - NOM 8 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
  - B. IRON PIPE - NOM 8 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
  - C. CONDUIT - NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT) OR 6 IN. DIAM STEEL CONDUIT.
  - D. COPPER TUBING - NOM 4 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
  - E. COPPER PIPE - NOM 4 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
  - F. FLEXIBLE STEEL CONDUIT - NOM 2 IN. DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT. SEE FLEXIBLE METAL CONDUIT (DXJZ) CATEGORY IN THE ELECTRICAL CONSTRUCTION EQUIPMENT DIRECTORY FOR NAMES OF MANUFACTURERS.
3. FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
- A. PACKING MATERIAL - MIN 2-1/8 IN. OR 2-3/4 IN. THICKNESS OF MIN 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING ON ONE SIDE OF THE WALL AS PERMANENT FORM FOR 1 AND 2 HR WALLS, RESPECTIVELY. PACKING MATERIAL TO BE RECESSED FROM ONE SIDE OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
  - B. FILL, VOID OR CAVITY MATERIAL - SEALANT - MIN 1 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN OPENING, FLUSH WITH ONE SURFACE OF WALL.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. - FS-ONE SEALANT  
 \*BEARING THE UL CLASSIFICATION MARK  
 \*BEARING THE UL LISTING MARK

PENETRATION THRU 1-2 HOUR FIRE RATED WALL OR FLOOR

# 2 UL SYSTEM NO W-J-1088 DETAIL

N.T.S.



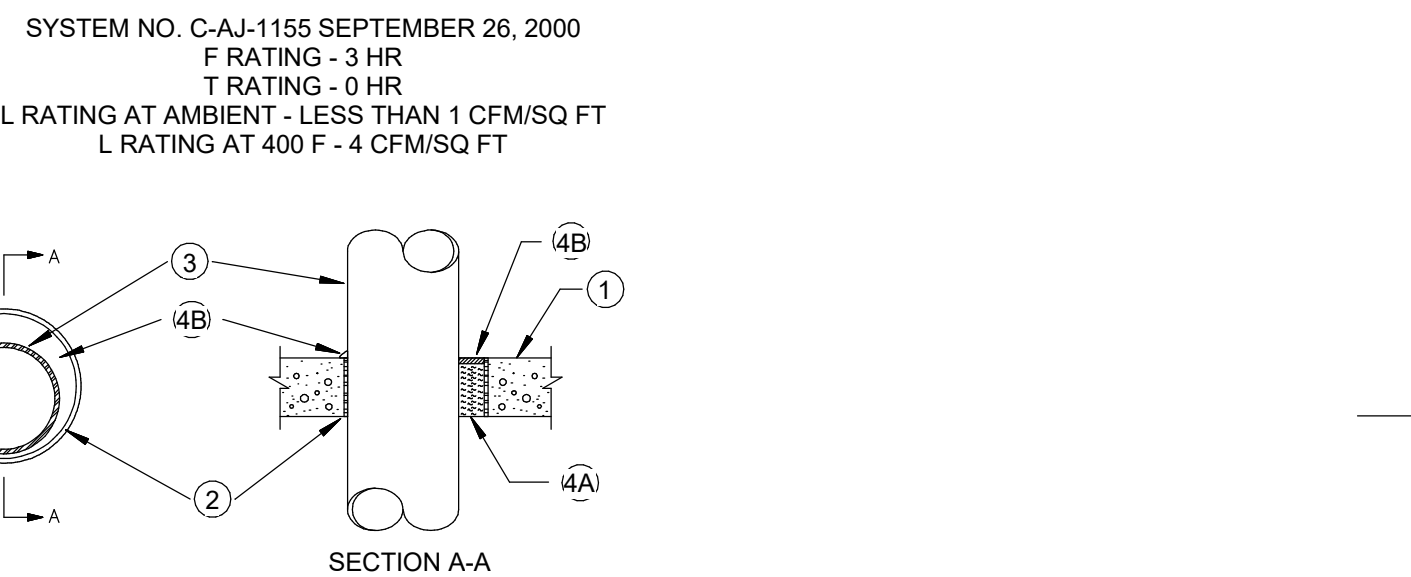
- LIMITATIONS:
- HILTI CP 506 SMOKE AND ACOUSTIC SEALANT MAY BE INSTALLED WHERE IT IS NECESSARY TO RESTRICT SMOKE MIGRATION
  - THROUGH NON-FIRE RATED ASSEMBLIES.
  - NOT FOR FIRE-RATED ASSEMBLIES.
  - NOT FOR USE WITH CPVC PIPING.
  - REFER TO PRODUCT LITERATURE FOR COMPLETE DETAILS ON INSTALLATION, SUITABLE APPLICATIONS, AND LIMITATIONS.
  - THESE DETAILS REPRESENT GENERAL INSTALLATION GUIDELINES TO SATISFY SMOKE PARTITION SEALING REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (2003, 2006, 2009, 2012, 2015, OR 2018). OBTAIN AUTHORITY HAVING JURISDICTION APPROVAL PRIOR TO INSTALLATION.

# 5 SMOKE PARTITION DETAIL 2

N.T.S.

# 6 NONMETALLIC PIPE THROUGH RATED WALL

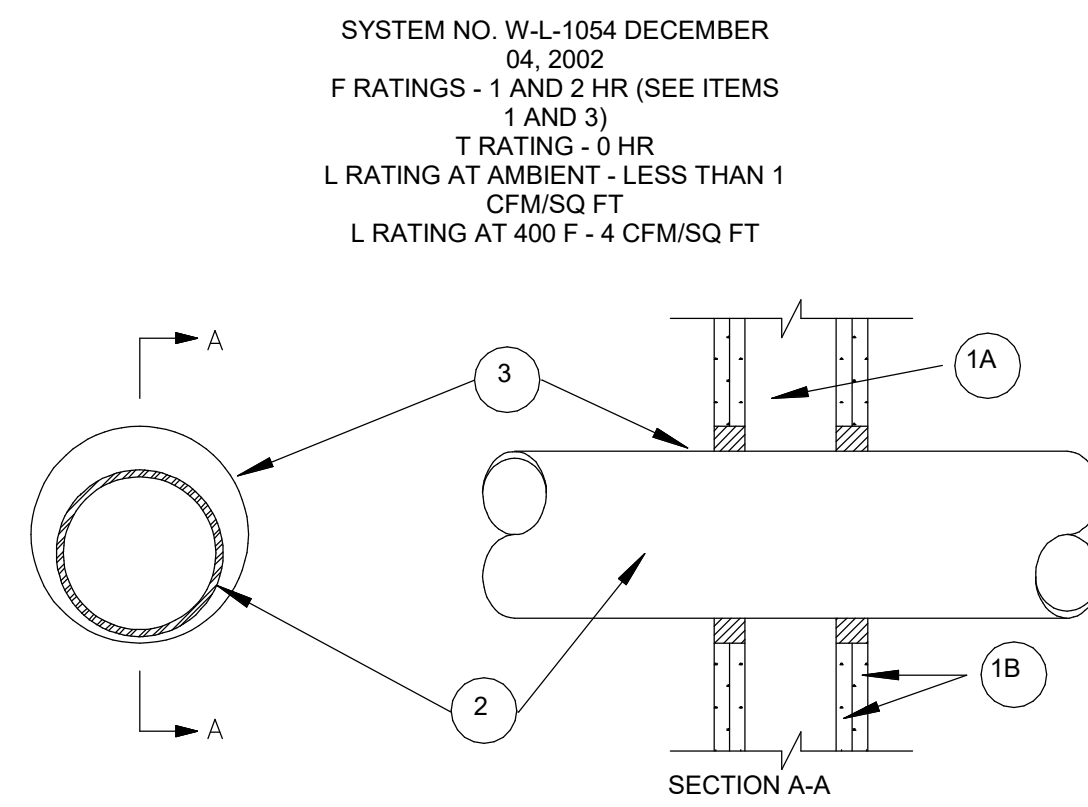
N.T.S.



- SYSTEM NO. C-AJ-1155 SEPTEMBER 26, 2000  
 F RATINGS - 3 HR  
 T RATING - 0 HR  
 L RATINGS AT AMBIENT - LESS THAN 1 CFMSQ FT  
 L RATING AT 400 F - 4 CFMSQ FT
1. FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS\*. MAX DIAM OF OPENING IS 26 IN. SEE CONCRETE BLOCKS (CAZT) CATEGORY IN FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
2. METALLIC SLEEVE (OPTIONAL) - NOM 24 IN. DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY. FLUSH WITH FLOOR OR WALL ASSEMBLY.
3. THROUGH-PENETRANTS - ONE METALLIC PIPE OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDERS OF FLOOR OR WALL ASSEMBLY. THE ANNULAR SPACE SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 2-1/4 IN. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBING MAY BE USED:
- A. STEEL PIPE - NOM 20 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
  - B. IRON PIPE - NOM 20 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
  - C. CONDUIT - NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT.
  - D. COPPER TUBING - NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
  - E. COPPER PIPE - NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
4. FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
- A. PACKING MATERIAL - MIN 4 IN. THICKNESS OF MIN 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM PACKING MATERIAL TO BE RECESSED FROM TOP END OF SLEEVE FOR FLOORS OR FROM BOTH ENDS OF SLEEVE FOR WALLS AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
  - B. FILL, VOID OR CAVITY MATERIAL - SEALANT - MIN 1/2 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH THE TOP END OF THE SLEEVE FOR FLOORS, OR WITH BOTH ENDS OF THE SLEEVE FOR WALLS. MIN 1/2 IN. THICK BEAD OF ALL MATERIAL TO BE INSTALLED AROUND PIPE AT INTERFACE OF SLEEVE FOR POINT CONTACT INSTALLATIONS.
- HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. - FS-ONE SEALANT \*BEARING THE UL CLASSIFICATION MARK

# 3 UL SYSTEM NO. C-AJ-1155 DETAIL

N.T.S.

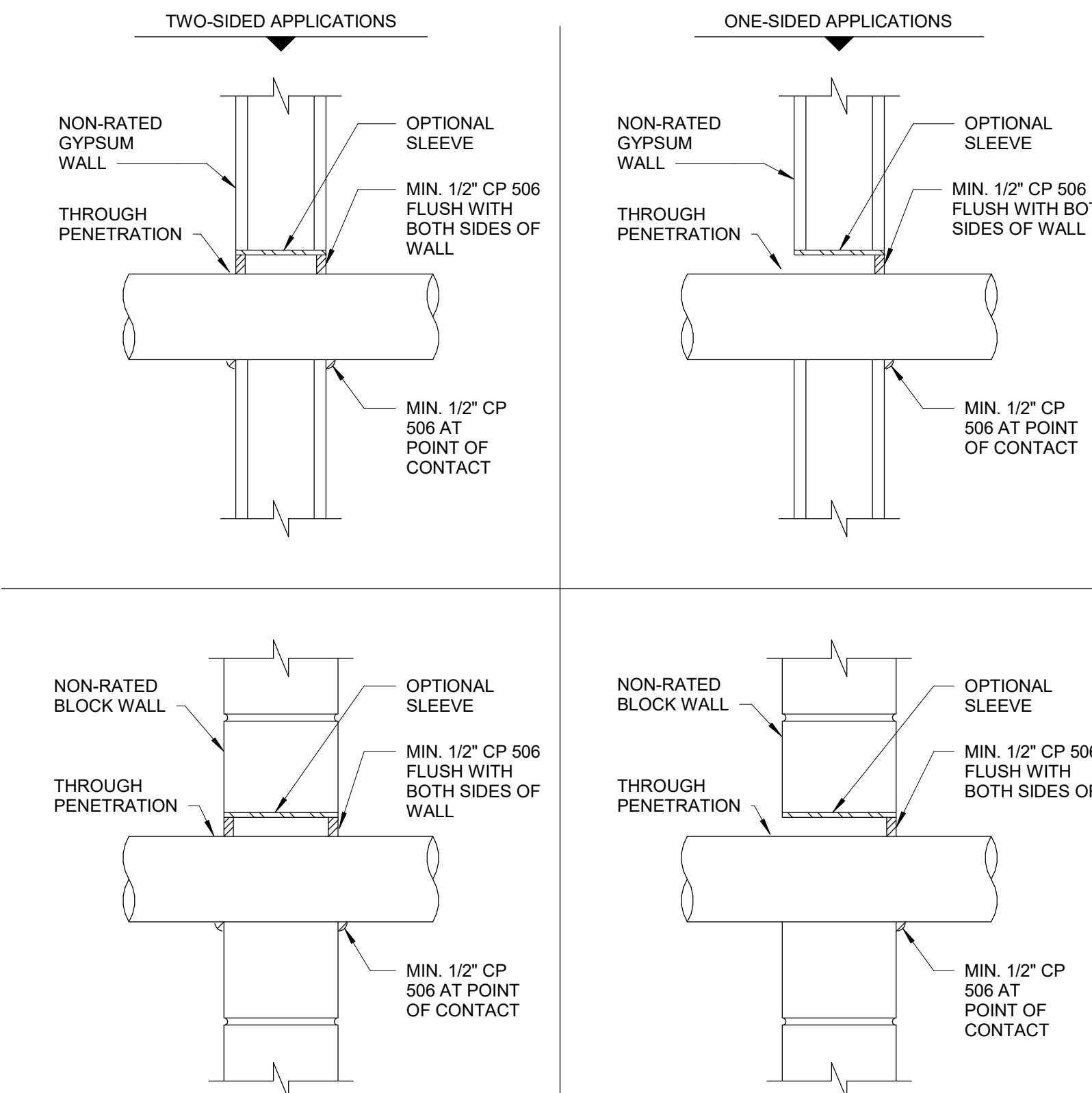


- SYSTEM NO. W-L-1054 DECEMBER 04, 2002  
 F RATINGS - 1 AND 2 HR (SEE ITEM 1)  
 T RATING - 0 HR  
 L RATINGS AT AMBIENT - LESS THAN 1  
 L RATING AT 400 F - 4 CFMSQ FT
1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400, U400, U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
- A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 3-1/2 IN. WIDE AND SPACED MAX 24 IN. OC.
  - B. GYPSUM WALLBOARD - THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS AND ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 14-1/2 IN. FOR WOOD STUD WALLS.
- THE HOURLY F AND T RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. THROUGH PENETRANTS - ONE NONMETALLIC PIPE OR CONDUIT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN THE PIPE OR CONDUIT AND THE PERIPHERY OF THE OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO A MAX 1/2 IN. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDERS OF WALL. THE FOLLOWING TYPES AND SIZES OF PIPES OR CONDUITS MAY BE USED:
- A. POLYVINYL CHLORIDE (PVC) PIPE - NOM 4 IN. DIAM OR SMALLER SCHEDULE 40 CELLULAR OR SOLID CORE PVC PIPE FOR USE IN (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE, OR VENT) PIPING SYSTEMS.
  - B. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE - NOM 4 IN. DIAM OR SMALLER SDR13.5 CPVC PIPE FOR USE IN (PROCESS OR SUPPLY) PIPING SYSTEMS.
  - C. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE - NOM 2 IN. DIAM OR SMALLER FLOWGUARD COLD SDR11 CPVC PIPE FOR USE IN (PROCESS OR SUPPLY) PIPING SYSTEMS.
  - D. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE - NOM 2 IN. DIAM OR SMALLER BLAZEMASTER SDR13.5 CPVC PIPE FOR USE IN (PROCESS OR SUPPLY) PIPING SYSTEMS.
  - E. ACRYLONITRILE BUTADIENE STYRENE (ABS) PIPE - NOM 4 IN. DIAM OR SMALLER SCHEDULE 40 CELLULAR CORE OR SOLID CORE ABS PIPE FOR USE IN (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE, OR VENT) PIPING SYSTEMS.
  - F. RIGID NONMETALLIC CONDUIT - NOM 2 IN. DIAM OR SMALLER SCHEDULE 40 PVC CONDUIT INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA NO. 70).
3. FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
- A. FILL, VOID, OR CAVITY MATERIAL - SEALANT - MIN 1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL.
  - B. FILL, VOID, OR CAVITY MATERIAL - WRAP STRIP - NOM 3/16 IN. THICK BY 1-3/4 IN. WIDE INTUMESCENT WRAP STRIP FOR NOM 2 IN. DIAM OR SMALLER PIPES/CONDUITS, A MIN OF TWO LAYERS OF WRAP STRIP ARE REQUIRED. FOR NOM 2-1/2 IN. TO 4 IN. DIAM PIPES/CONDUITS, A MIN OF THREE LAYERS OF WRAP STRIP ARE REQUIRED. THE LAYERS OF WRAP STRIP ARE INDIVIDUALLY WRAPPED AROUND THE PIPE TO THE FULLEST EXTENT POSSIBLE WHILE ALLOWING THE PENETRANT TO REMAIN AT POINT CONTACT WITHIN THE OPENING AND IN THE COLLAR. WRAP STRIP BUTTED TIGHTLY AGAINST BOTH SURFACES OF WALL.
  - C. STEEL COLLAR - STEEL COLLAR FABRICATED FROM COILS OF PRECUT MIN 0.016 IN. THICK GALV STEEL AVAILABLE FROM FILL MATERIAL MANUFACTURER. COLLAR SHALL BE NOM 1-3/4 IN. DEEP WITH 1 IN. WIDE BY 2 IN. LONG ANCHOR TABS ON 1-3/4 IN. CENTERS FOR ATTACHMENT TO BOTH SURFACES OF WALL. IN ADDITION, COLLARS CONTAIN RETAINER TABS 1/2 IN. WIDE BY 3/16 IN. LONG, LOCATED OPPOSITE THE ANCHOR TABS. COLLAR SHALL BE TIGHTLY WRAPPED OVER THE WRAP STRIP, OVERLAPPING MIN 1 IN. AT SEAM AND COMPRESSED WITH A MIN 0.028 IN. THICK STAINLESS STEEL BAND AT COLLAR MIDHEIGHT. OPTIONAL SECUREMENT OF THE COLLAR MAY BE ACCOMPLISHED WITH TWO SHEET METAL SCREWS SCREWED THROUGH THE OVERLAPPING PORTION OF THE COLLAR. THE RETAINER TABS ARE FOLDED 90 DEG TOWARDS THE PIPE TO MAINTAIN THE ANNULAR SPACE AROUND THE PIPE AND TO RETAIN THE WRAP STRIP. COLLAR SECURED TO BOTH SURFACES OF WALL WITH MIN 1-1/2 IN. LONG DRYWALL OR LAMINATE SCREWS WITH MIN 3/4 IN. STEEL WASHERS COLLAR FASTENED TO WALL AT EVERY OTHER TAB. NO ANCHOR TAB IS REQUIRED AT POINT CONTACT LOCATION OF COLLAR TO PENETRATE.
- THE F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY.
2. THROUGH-PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 2-1/4 IN. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES FROM PERPENDICULAR. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDERS OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
- A. STEEL PIPE - NOM 30 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
  - B. IRON PIPE - NOM 30 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
  - C. CONDUIT - NOM 4 IN. DIAM (OR SMALLER) ELECTRICAL METALLIC TUBING OR 6 IN. DIAM STEEL CONDUIT.
  - D. COPPER TUBING - NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
  - E. COPPER PIPE - NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
3. FILL, VOID OR CAVITY MATERIAL - SEALANT - MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OF CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2 IN. DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL.
- HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. - FS-ONE SEALANT  
 \*BEARING THE UL CLASSIFICATION MARK

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. - FS-ONE SEALANT  
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# 7 METALLIC PIPE THROUGH RATED WALL

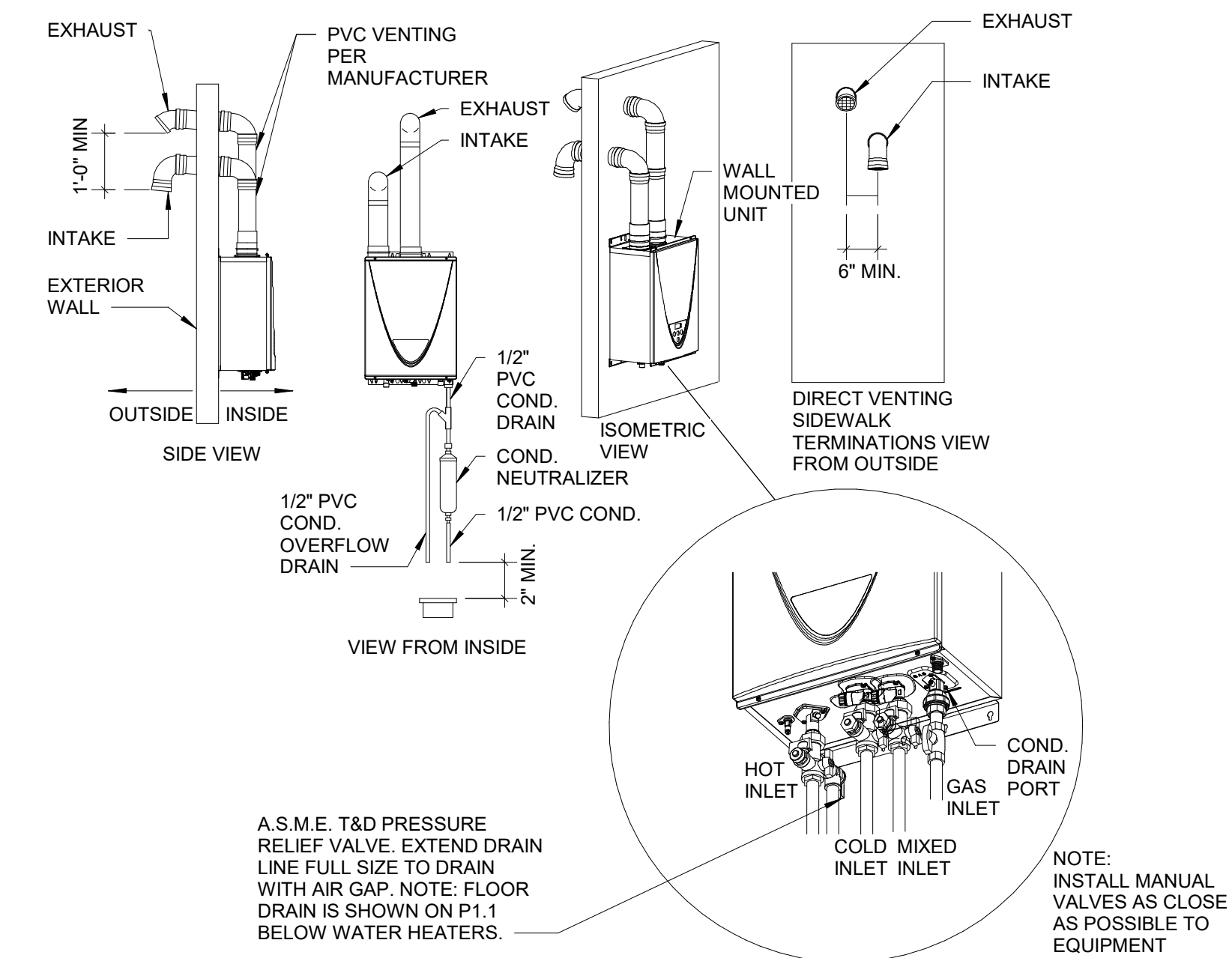
N.T.S.



- LIMITATIONS:
- HILTI CP 506 SMOKE AND ACOUSTIC SEALANT MAY BE INSTALLED WHERE IT IS NECESSARY TO RESTRICT SMOKE MIGRATION THROUGH NON-FIRE RATED ASSEMBLIES.
  - NOT FOR FIRE-RATED ASSEMBLIES.
  - NOT FOR USE WITH CPVC PIPING.
  - REFER TO PRODUCT LITERATURE FOR COMPLETE DETAILS ON INSTALLATION, SUITABLE APPLICATIONS, AND LIMITATIONS. THESE DETAILS REPRESENT GENERAL INSTALLATION GUIDELINES TO SATISFY SMOKE PARTITION SEALING REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (2003, 2006, 2009, 2012, 2015, OR 2018). OBTAIN AUTHORITY HAVING JURISDICTION APPROVAL PRIOR TO INSTALLATION.

# 4 SMOKE PARTITION DETAIL

N.T.S.



# 9 INSTANTANEOUS WATER HEATER INSTALLATION DETAIL

N.T.S.

- A.S.M.E. T&D PRESSURE RELIEF VALVE, EXTEND DRAIN LINE FULL SIZE TO DRAIN WITH AIR GAP. NOTE: FLOOR DRAIN IS SHOWN ON P.11 BELOW WATER HEATERS.
- NOTE: INSTALL MANUAL VALVES AS CLOSE AS POSSIBLE TO EQUIPMENT

# 6 NONMETALLIC PIPE THROUGH RATED WALL

N.T.S.

# 7 METALLIC PIPE THROUGH RATED WALL

N.T.S.

