ABBREVIATIONS

@	AT	EWC	ELECTRIC WATER COOLER	OSD	OPEN SITE DRAIN
AAV	AIR ADMITTANCE VALVE	EWH	ELECTRIC WATER HEATER	PC	PRECAST
ABV	ABOVE	EX	EXISTING	PCF	POUNDS PER CUBIC FOOT
AC-X	AIR COMPRESSOR DESIGNATION	EXP	EXPANSION	PD	PUMP DISCHARGE
ADJ	ADJUSTABLE	FCO	FLOOR CLEANOUT	PLUMB	PLUMBING
ADNL	ADDITIONAL	FD	FLOOR DRAIN	PLYWD	PLYWOOD
AFF	ABOVE FINISHED FLOOR	FDC	FIRE DEPARTMENT CONNECTION	POLY	POLYETHYLENE
AFG	ABOVE FINISHED GRADE	FF	FINISHED FLOOR	PPT	PRESSURE PRESERVATIVE TREATED
AHU	AIR HANDLING UNIT	FFE	FINISHED FLOOR ELEVATION	PREFAB	PREFABRICATE(D)
ALT	ALTERNATE	FG	FINISHED GRADE	PROJ	PROJECT
ALUM	ALUMINUM	FH	FIRE HYDRANT	PSF	POUNDS PER SQUARE FOOT
AP	ACCESS PANEL	FHC	FIRE HOSE CABINET	PSI	POUNDS PER SQUARE INCH
APPR	APPROXIMATE	FHS	FIRE HOSE STATION	PV	PROPANE VENT
ARCH	ARCHITECTURAL	FHVC	FIRE HOSE VALVE CABINET	PVC	POLYVINYL CHLORIDE
AUTO	AUTOMATIC	FIX	FIXTURE	PVMT	PAVEMENT
AVG	AVERAGE	FLR	FLOOR	R	RISER
BFF	BELOW FINISHED FLOOR	FLSHG	FLASHING	RAD	RADIUS
BFG	BELOW FINISHED GRADE	FOR	FUEL OIL RETURN	RCP-X	RECIRCULATION PUMP DESIGNATION
BLDG	BUILDING	FOS	FUEL OIL SUPPLY	RD	ROOF DRAIN (BOTTOM OUTLET)
BO	BOTTOM OF	FOV	FUEL OIL VENT	RDS	ROOF DRAIN (SIDE OUTLET)
BOT	BOTTOM	FS	FLOOR SINK	REF	REFERENCE
BSMT	BASEMENT	FSD	FOUNDATION SUB-DRAIN	REQD	REQUIRED
BTWN	BETWEEN	FT	FOOT OR FEET	REQMT	REQUIREMENTS
CA	COMPRESSED AIR	FVC	FIRE VALVE CABINET	RL	RAIN LEADER
CI	CAST IRON	G	GAS	RM	ROOM
CIP	CAST-IN-PLACE CONCRETE	GCO	GRADE CLEANOUT	RO	ROUGH OPENING
CL	CENTERLINE	GWH	GAS WATER HEATER	RV	RADON VENT
CLG	CEILING	HB	HOSE BIBB	S	SOUTH
CLR	CLEAR	HORIZ	HORIZONTAL	SAN	SANITARY
CMP	CORRUGATED METAL PIPE	HP	HORSEPOWER	SCH	SCHEDULE
CNTR	COUNTER	HR-X	HOSE REEL DESIGNATION	SD	STORM DRAINAGE PIPING
CO	CLEANOUT	HTG	HEATING	SDN	STORM DRAIN NOZZLE
COL	COLUMN	HW	HOT WATER	SF	SQUARE FOOT/FEET
CONC	CONCRETE	HWR	HOT WATER RETURN	SHT	SHEET
CONDS	CONDENSATE	HWS	HOT WATER SUPPLY	SIM	SIMILAR
CONSTR	CONSTRUCT(ION)	ID	INSIDE DIAMETER	SLT	SEALANT
CONT	CONTINUATION	IN	INCH	SOG	SLAB ON GRADE
CONTR	CONTRACT(-OR)	INSUL	INSULATE OR INSULATION	SP	SUMP PUMP
CORR	CORRIDOR	INV	INVERT	SPEC	SPECIFICATION
CP	CIRCULATING PUMP	JAN	JANITOR	SPR	SPRINKLER
CR	CLASSROOM	KIT	KITCHEN	SQ	SQUARE
CT	COOLING TOWER	KW	KITCHEN WASTE	SRD	SECONDARY ROOF DRAIN
CU	COPPER	LAB	LABORATORY	SS	STAINLESS STEEL
CU FT	CUBIC FEET	LAV	LAVATORY	SSD	SECONDARY STORM DRAINAGE PIPING
CU YD	CUBIC YARD	LBS	POUNDS	STD	STANDARD
CW	COLD WATER	LF	LINEAR FOOT (FEET)	STL	STEEL
DB	DRY BULB	LP	PROPANE	STOR	STORAGE
DCW	DOMESTIC COLD WATER	LPV	PROPANE VENT	STRUCT	STRUCTURAL
DEMO	DEMOLISH OR DEMOLITION	MATL	MATERIAL	SUSP	SUSPENDED
DF	DRINKING FOUNTAIN	MAX	MAXIMUM	TD	TRENCH DRAIN
DHR	DOMESTIC HOT WATER RETURN	MECH	MECHANICAL	THK	THICK(-NESS)
DHR(140)	DOMESTIC HOT WATER RETURN (140°)	MED	MEDIUM	TLT	TOILET
DHW	DOMESTIC HOT WATER	MFR	MANUFACTURER	TMV	THERMOSTATIC MIXING VALVE
DHW(140)	DOMESTIC HOT WATER (140°)	MH	MANHOLE	TOSL	TOP OF SLAB
DI	DROP INLET	MIN	MINIMUM	TW	DOMESTIC TEMPERED WATER (90° F)
DIA	DIAMETER	MISC	MISCELLANEOUS	TYP	TYPICAL
DIP	DUCTILE IRON PIPE	MTD	MOUNTED	UG	UNDERGROUND
DN	DOWN	N	NORTH	UNO	UNLESS NOTED (INDICATED) OTHERWISE
DR-X	COMPRESSED AIR DRYER DESIGNATION	N/A	NOT APPLICABLE/AVAILABLE	V	VENT
DS	DOWNSPOUT	NC	NORMALLY CLOSED	VAC	VACUUM
DT	DRAIN TILE	NG	NATURAL GAS	VB	VACUUM BREAKER
DTL	DETAIL	NGV	NATURAL GAS VENT	VERT	VERTICAL
DTW	DOMESTIC TEMPERED WATER	NIC	NOT IN CONTRACT	VIF	VERIFY IN FIELD
DWG	DRAWING	NO	NORMALLY OPEN	VTR	VENT THROUGH ROOF
DWP	DOMESTIC WATER BOOSTER PUMP	NO., (#)	NUMBER	W	WEST
E	EAST	NOM	NOMINAL	W/	WITH
ED	EMERGENCY SECONDARY ROOF DRAIN	OC	ON CENTER	W/O	WITHOUT
ELEC	ELECTRICAL	OD	OUTSIDE DIAMETER	WB	WATER HAMMER ARRESTER
ELEV	ELEVATION	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	WC	WATER CLOSET
EPBD	ELECTRICAL PANELBOARD	OFF	OFFICE	WCO	WALL CLEANOUT
EQ	EQUAL	OH	OVERHEAD	WSHP	WATER SOURCE HEAT PUMP
EQUIP	EQUIPMENT	OPNG	OPENING	WWF	WELDED WIRE FABRIC
ETR	EXISTING TO REMAIN	OPP	OPPOSITE	WWM	WELDED WIRE MESH
				XFMR	TRANSFORMER

GRAPHICS SYMBOLS LEGEND

- X" XXX — PIPE WITH SIZE AND SERVICE
- FLOW IN DIRECTION OF ARROW
- 1/8" FT — PITCH DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE
- PIPE CAP
- PIPE TURNED DOWN
- PIPE TURNED UP
- PIPE TEE UP
- PIPE TEE DOWN
- UNION
- CONCENTRIC PIPE REDUCTION
- CO — END OF LINE CLEANOUT PLUG
- CO — FLOOR CLEANOUT
- WCO — WALL CLEANOUT
- CO (GCO) — YARD CLEANOUT (CLEANOUT TO GRADE)
- FD-1 — FLOOR DRAIN WITH TAG
- FS-1 — FLOOR SINK WITH TAG
- PRESSURE GAUGE WITH GAUGE COCK
- LIQUID FILLED THERMOMETER
- A — WATER HAMMER ARRESTOR (PLUMBING & DRAINAGE INSTITUTE SIZE INDICATED)
- FS — FLOW SWITCH
- TEMPERATURE/PRESSURE PLUG
- VALVE
- VALVE IN RISER
- GAS COCK
- VENTURI FLOW METER
- MANUAL BALANCING VALVE
- AUTOMATIC BALANCING VALVE WITH FLOW TAPS
- SWING CHECK VALVE
- PRESSURE REDUCING VALVE
- S — SOLENOID OPERATED VALVE
- T&P — TEMPERATURE AND PRESSURE RELIEF VALVE
- BACKWATER VALVE
- HOSE BIBB OR WALL HYDRANT
- REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
- DOUBLE CHECK BACKFLOW PREVENTER
- PUMP

- POINT OF CONNECTION TO EXISTING
- LIMIT OF DEMOLITION
- 30 — KEYNOTE
- 8 — STRUCTURAL GRID LINE WITH DESIGNATION
- A123 — **SPACE IDENTIFICATION TAG**: SPACE NUMBER; BUILDING AREA (WHEN USED)
- AHU-02 — **EQUIPMENT IDENTIFICATION TAG**: EQUIPMENT NUMBER; UNIT DESIGNATION
- **SECTION WHERE CUT**: A / P6.1 — SECTION LETTER; DRAWING WHERE SECTION IS INDICATED
- **ENLARGED PLAN WHERE CUT**: 1 / P6.1 — ENLARGED PLAN NUMBER; DRAWING WHERE ENALRGED PLAN IS INDICATED
- **DETAIL TAG**: 1 / P6.1 — DETAIL NUMBER; DRAWING WHERE DETAIL IS INDICATED
- **SANITARY RISER TAG**: S1 / P6.1 — SANITARY RISER IDENTIFIER; DRAWING WHERE SANITARY RISER IS TAGGED
- **DOMESTIC RISER TAG**: D1 / P6.1 — DOMESTIC RISER IDENTIFIER; DRAWING WHERE DOMESTIC RISER IS TAGGED

1 DETAIL TITLE — 1/4"=1'-0" (P2.2, P2.3, P2.4, P6.2)
- DETAIL NUMBER
- DRAWING WHERE DETAIL IS INDICATED
- DRAWING WHERE DETAIL IS CUT
- ADDITIONAL DRAWING REFERENCES

S1 SANITARY RISER DIAGRAM — 1/4"=1'-0" (P2.2, P2.3, P2.4, P4.2)
- SANITARY RISER DIAGRAM IDENTIFIER
- DRAWING WHERE SANITARY RISER IS INDICATED
- DRAWING WHERE SANITARY RISER IS TAGGED
- ADDITIONAL DRAWING REFERENCES

D1 DOMESTIC RISER DIAGRAM — 1/4"=1'-0" (P2.2, P2.3, P2.4, P5.2)
- DOMESTIC RISER DIAGRAM IDENTIFIER
- DRAWING WHERE DOMESTIC RISER IS INDICATED
- DRAWING WHERE DOMESTIC RISER IS TAGGED
- ADDITIONAL DRAWING REFERENCES

G1 FUEL GAS RISER DIAGRAM — 1/4"=1'-0" (P2.2, P2.3, P2.4, P5.2)
- FUEL GAS RISER DIAGRAM IDENTIFIER
- DRAWING WHERE FUEL GAS RISER IS INDICATED
- DRAWING WHERE FUEL GAS RISER IS TAGGED
- ADDITIONAL DRAWING REFERENCES

GENERAL DATA

PLUMBING GENERAL DATA

Item	Value
SERVICE SIZING	
INSTANTANEOUS DEMAND (GPM)	327
SUPPLY FIXTURE UNITS (SFU)	1430
DRAINAGE FIXTURE UNITS (DFU)	970
STORM DRAINAGE	
AREA OF ROOF (SQUARE FEET)	
AREA OF WALL ABOVE/ADJACENT TO ROOF (SQUARE FEET)	
TOTAL ROOF DRAINAGE (SQUARE FEET)	163,450
WATER HEATERS	
NUMBER	3
HOT WATER REQUIRED	110GPM
FUEL USED	NATURAL GAS

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. COORDINATE PIPING LOCATIONS AND INSTALLATION WITH EACH TRADE TO AVOID CONFLICTS WITH OTHER TRADES.

C. PROVIDE FLOOR CLEANOUTS INDICATED FLUSH WITH FLOOR FINISHES.

D. PROVIDE CLEANOUTS WHERE INDICATED AND ADDITIONAL CLEANOUTS AS REQUIRED BY LOCAL CODE.

E. REFER TO DRAWINGS FROM EACH DISCIPLINE BEFORE ROUGHING-IN PLUMBING FIXTURES.

F. OBTAIN DIMENSIONS AND ROUTING IN FIELD BEFORE INSTALLATION OF PLUMBING AND FIXTURES.

G. INSTALL ALL DRAINAGE PATTERN FITTINGS AND PIPING IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES.

H. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

I. PROVIDE ISOLATION VALVES IN ACCORDANCE WITH DIAGRAMS, DETAILS, AND DIVISION 22 SPECIFICATIONS.

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043951 8/2/24 SCOTT T WHEELER

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS

DATE	DESCRIPTION

LEGENDS, ABBREVIATIONS AND GENERAL NOTES

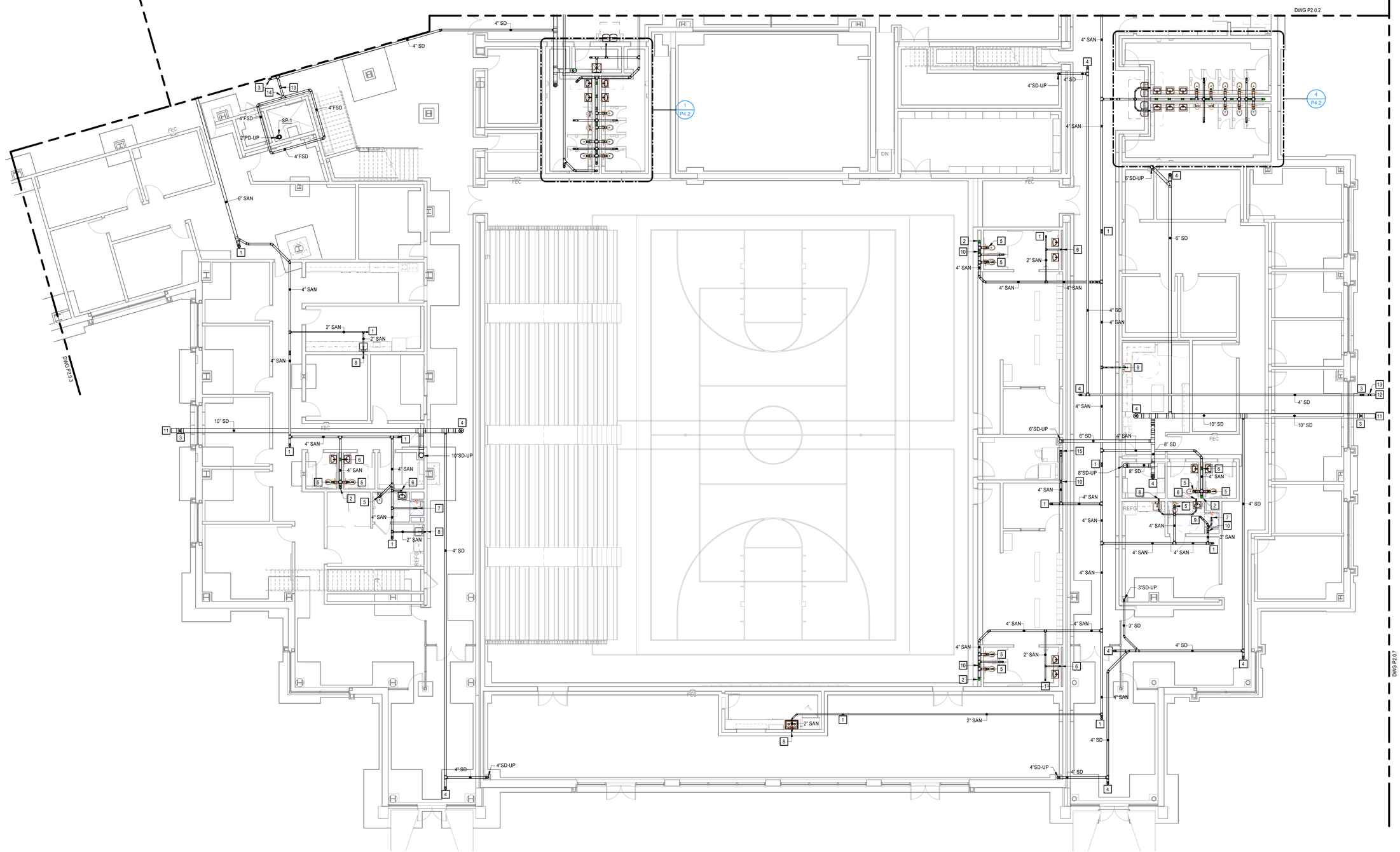
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KEYNOTES

APPLIES TO DRAWINGS P2.0.1
REPRESENTED BY n

1. SANITARY UP TO FLOOR CLEANOUT.
2. SANITARY UP TO WALL CLEANOUT.
3. STORM DRAINAGE UP TO GROUND CLEANOUT.
4. STORM DRAINAGE UP TO FLOOR CLEANOUT.
5. 4"SAN-UP TO WATER CLOSET.
6. 2"SAN-UP TO LAVATORY.
7. 2"SAN PTRAP-UP TO SHOWER DRAIN.
8. 2"SAN-UP TO SINK.
9. 3"SAN PTRAP-UP TO FLOOR DRAIN.
10. 2"V-UP.
11. 10"SD INVERT ELEVATION AT -4'-0" BFF. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
12. 4"SD INVERT ELEVATION AT -4'-8" BFF. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
13. BACKWATER VALVE LOCATED BELOW GRADE. REFER TO DETAIL ON P5.3.
14. TRANSFER FROM PERFORATED FOUNDATION DRAIN PIPE TO SOLID WALL PIPE AT THIS POINT.
15. 4"SAN PTRAP-UP TO LAUNDRY TRENCH FLOOR DRAIN.



FOUNDATION PLAN - PLUMBING - AREA A
1/8" = 1'-0"

8/2/2024 7:44:05 AM

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER PRINCE T WHITE

A

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

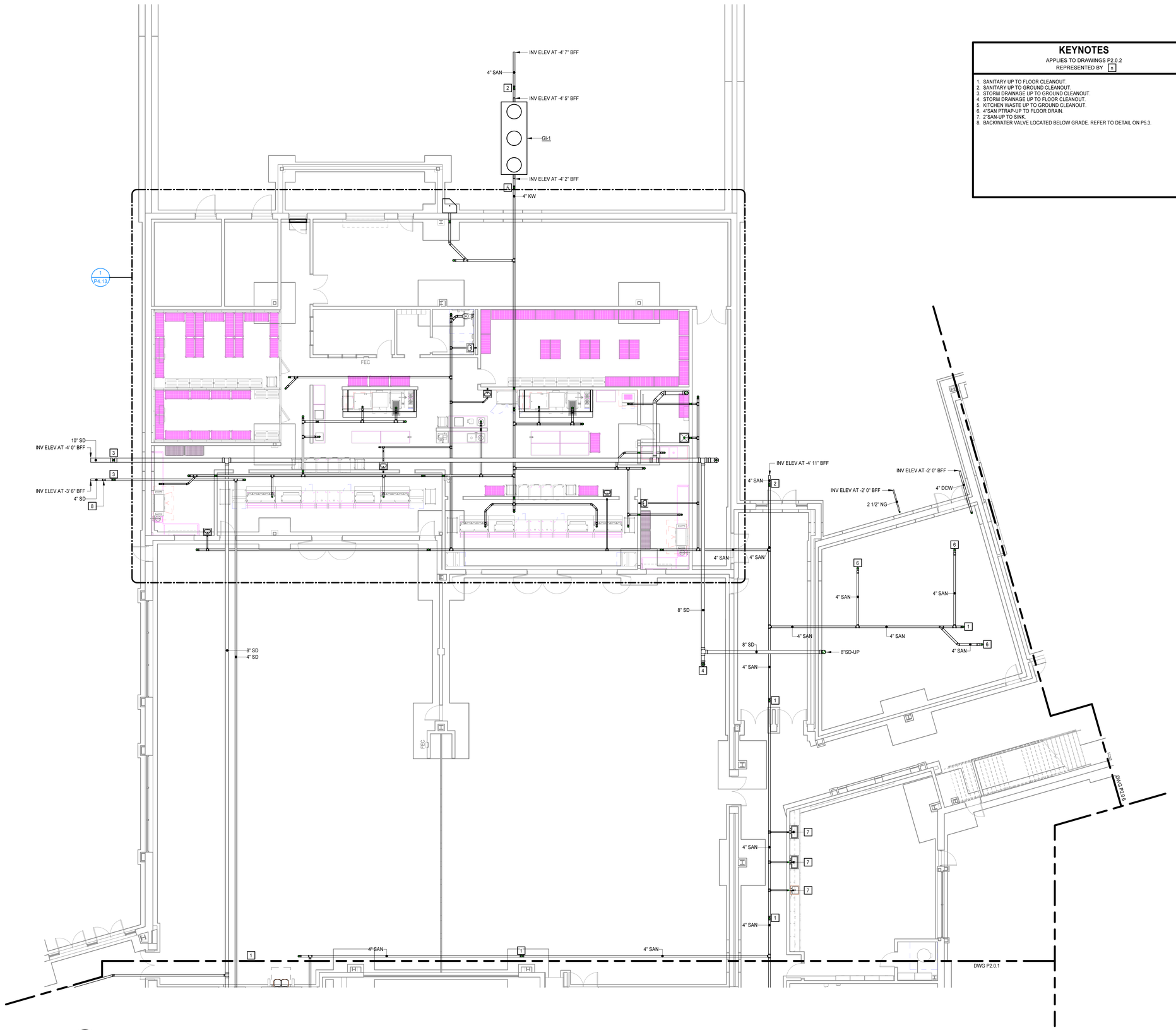
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Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
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FOUNDATION PLAN - PLUMBING - AREA A

P2.0.1



KEYNOTES

APPLIES TO DRAWINGS P2.0.2
REPRESENTED BY [n]

1. SANITARY UP TO FLOOR CLEANOUT.
2. SANITARY UP TO GROUND CLEANOUT.
3. STORM DRAINAGE UP TO GROUND CLEANOUT.
4. STORM DRAINAGE UP TO FLOOR CLEANOUT.
5. KITCHEN WASTE UP TO GROUND CLEANOUT.
6. 4"SAN PTRAP-UP TO FLOOR DRAIN.
7. 2"SAN-UP TO SINK.
8. BACKWATER VALVE LOCATED BELOW GRADE. REFER TO DETAIL ON P5.3.

FOUNDATION PLAN - PLUMBING - AREA B
1/8" = 1'-0"

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B

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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FOUNDATION PLAN - PLUMBING - AREA B

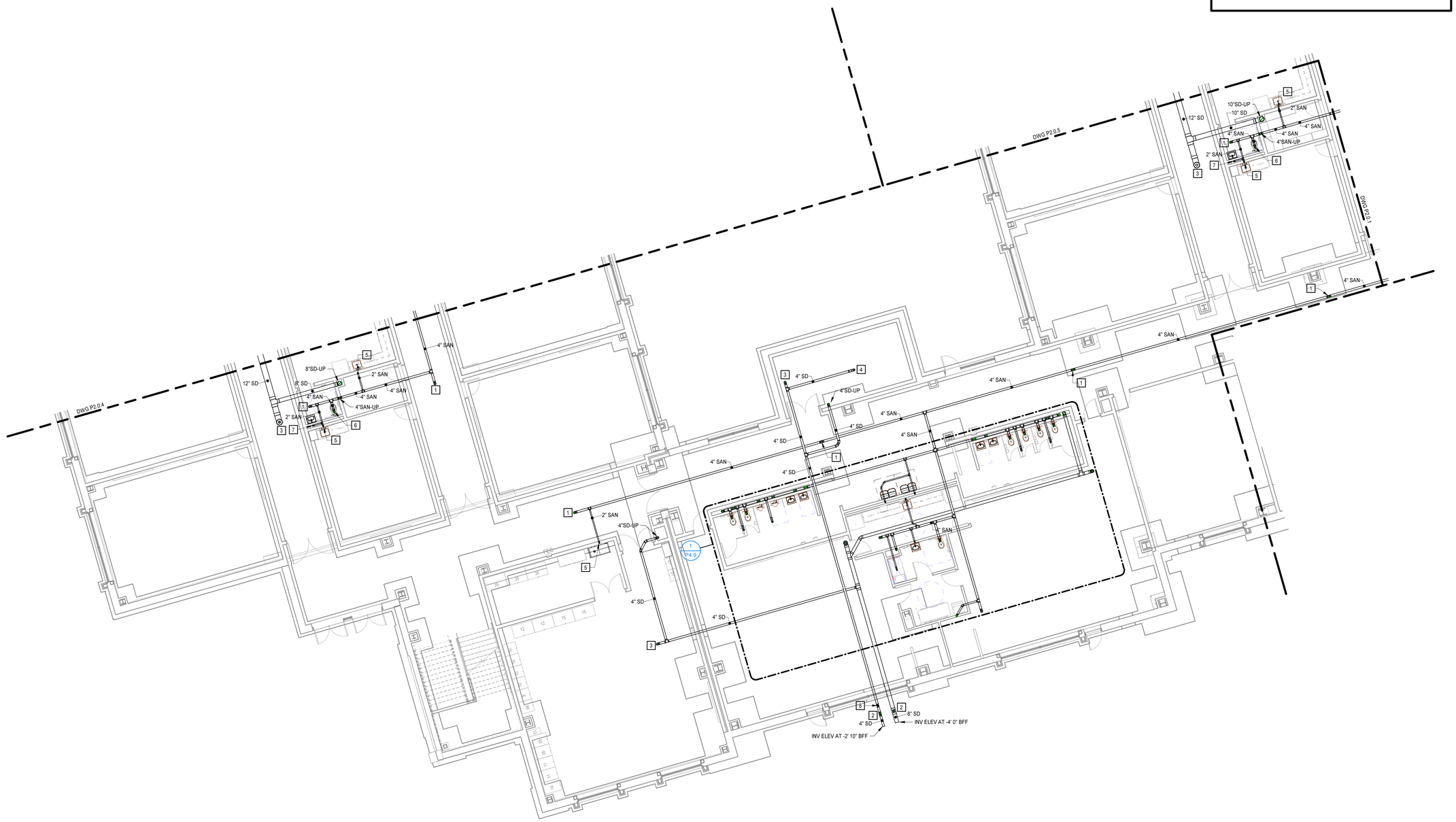
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KEYNOTES

APPLIES TO DRAWINGS P2.0.3
REPRESENTED BY n

1. SANITARY UP TO FLOOR CLEANOUT.
2. STORM DRAINAGE UP TO GROUND CLEANOUT.
3. STORM DRAINAGE UP TO FLOOR CLEANOUT.
4. 4"SD PTRAP-UP TO FLOOR DRAIN.
5. 2"SAN-UP TO SINK.
6. 4"SAN-UP TO WATER CLOSET.
7. 2"SAN-UP TO LAVATORY.
8. BACKWATER VALVE LOCATED BELOW GRADE. REFER TO DETAIL ON P5.3.



N

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

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C

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

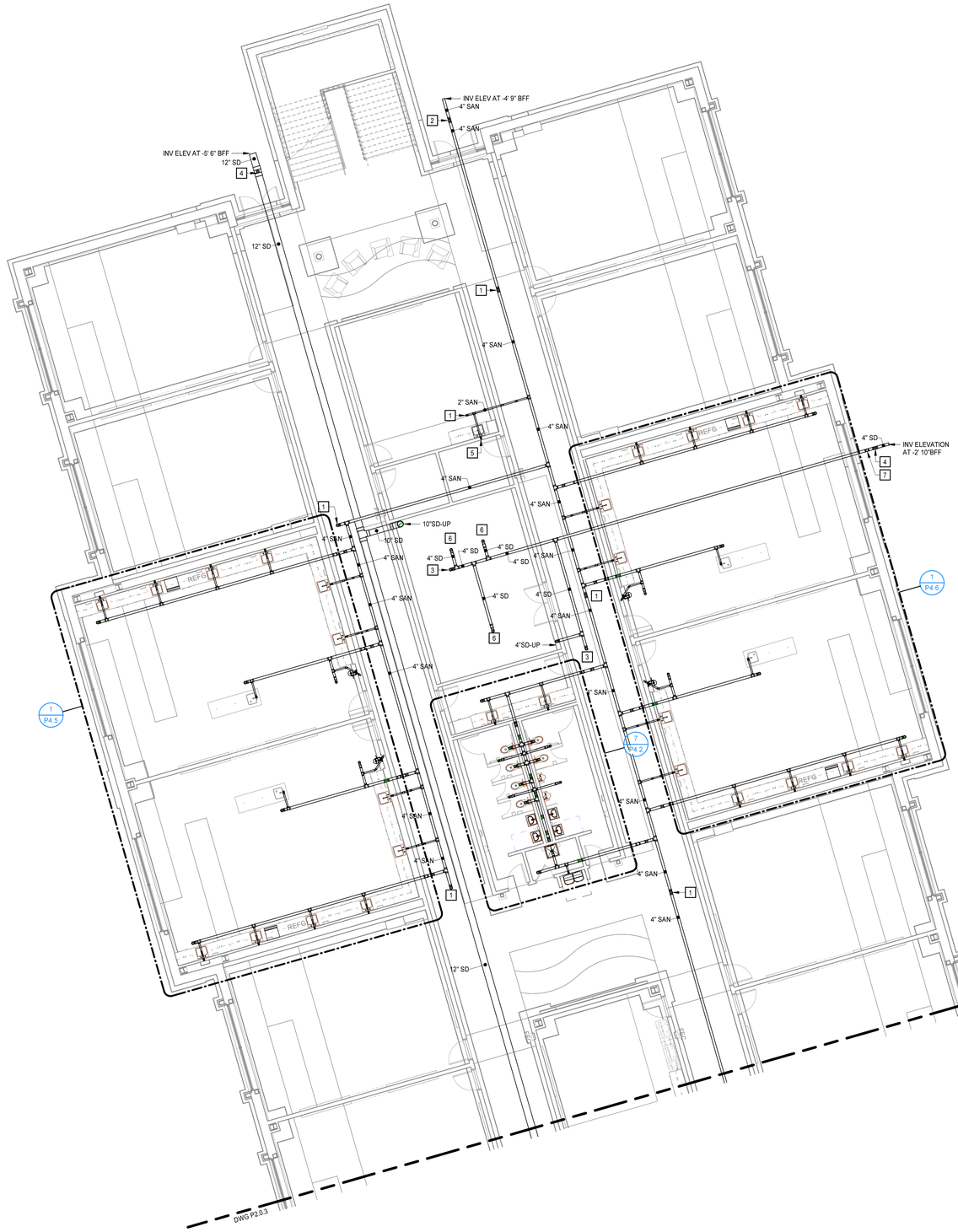
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FOUNDATION PLAN - PLUMBING - AREA C

P2.0.3

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KEYNOTES

APPLIES TO DRAWINGS P2.0.4
REPRESENTED BY n

1. SANITARY UP TO FLOOR CLEANOUT.
2. SANITARY UP TO GROUND CLEANOUT.
3. STORM DRAINAGE UP TO FLOOR CLEANOUT.
4. STORM DRAINAGE UP TO GROUND CLEANOUT.
5. 2"SAN-UP TO SINK.
6. 4"SD PTRAP-UP TO FLOOR DRAIN.
7. BACKWATER VALVE LOCATED BELOW GRADE. REFER TO DETAIL ON P5.3

N

FOUNDATION PLAN - PLUMBING - AREA D
1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

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Highway 210, Hampstead, NC 28443

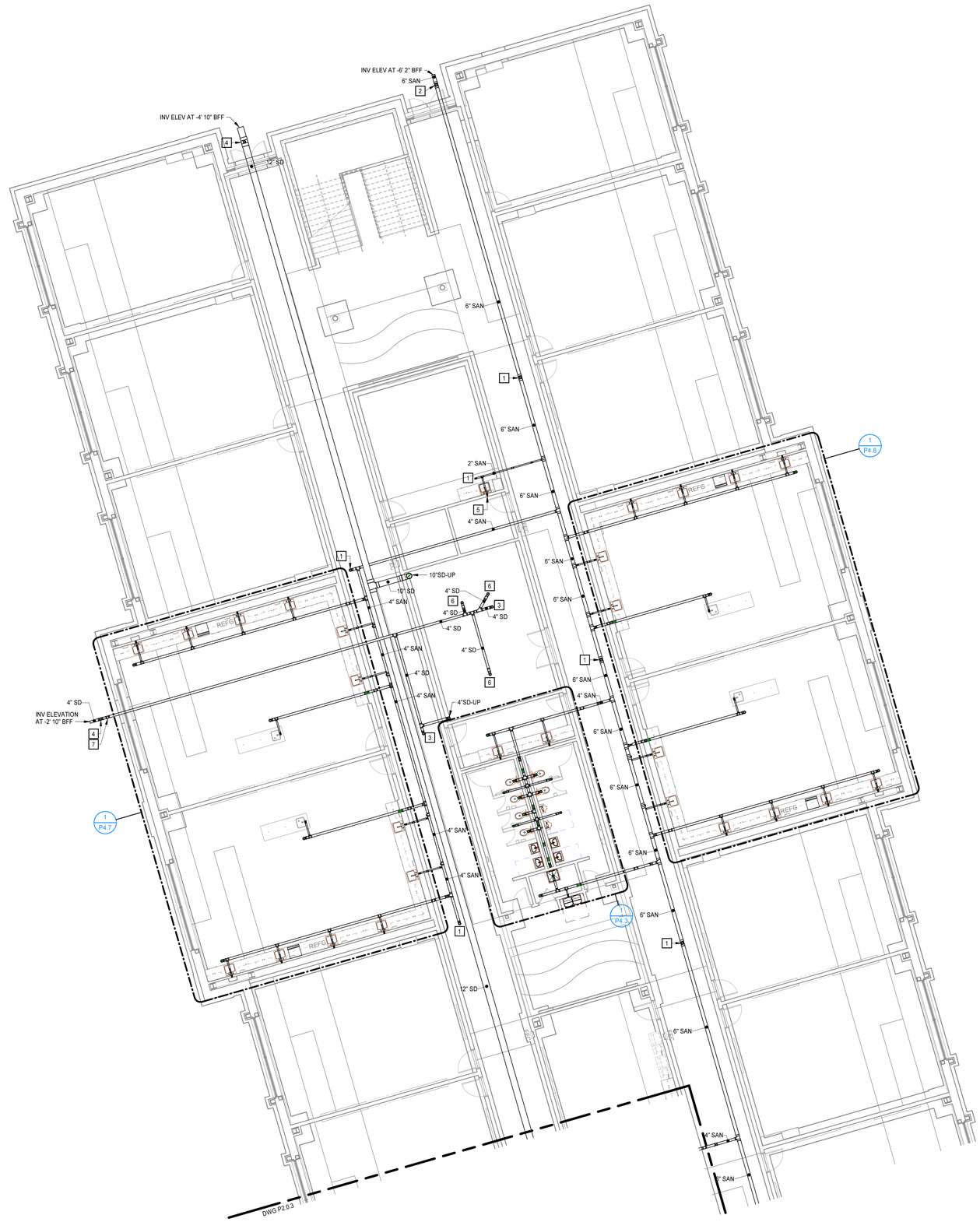
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DATE	DESCRIPTION

FOUNDATION PLAN - PLUMBING - AREA D

P2.0.4

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KEYNOTES

APPLIES TO DRAWINGS P2.0.5
REPRESENTED BY n

1. SANITARY UP TO FLOOR CLEANOUT.
2. SANITARY UP TO GROUND CLEANOUT.
3. STORM DRAINAGE UP TO FLOOR CLEANOUT.
4. STORM DRAINAGE UP TO GROUND CLEANOUT.
5. 2"SAN-UP TO SINK.
6. 4"SD PTRAP-UP TO FLOOR DRAIN.
7. BACKWATER VALVE LOCATED BELOW GRADE. REFER TO DETAIL ON P5.3.

N

FOUNDATION PLAN - PLUMBING - AREA E

1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
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FOUNDATION PLAN - PLUMBING - AREA E

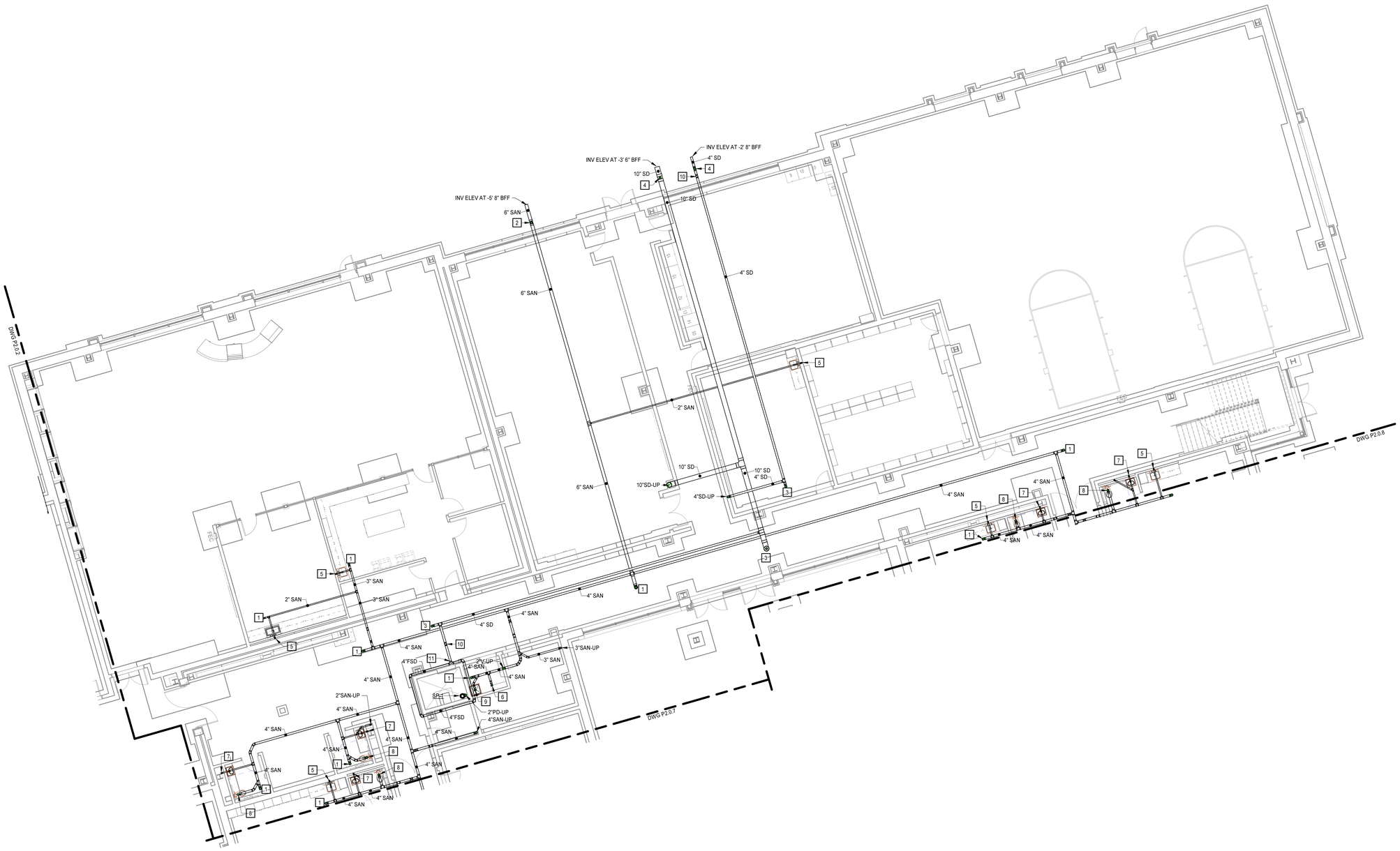
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KEYNOTES

APPLIES TO DRAWINGS P2.0.6
REPRESENTED BY n

1. SANITARY UP TO FLOOR CLEANOUT.
2. SANITARY UP TO GROUND CLEANOUT.
3. STORM DRAINAGE UP TO FLOOR CLEANOUT.
4. STORM DRAINAGE UP TO GROUND CLEANOUT.
5. 2"SAN-UP TO SINK.
6. 3"SAN PTRAP-UP TO FLOOR DRAIN.
7. 2"SAN-UP TO LAVATORY.
8. 4"SAN-UP TO WATER CLOSET.
9. 3"SAN PTRAP-UP TO MOP BASIN.
10. BACKWATER VALVE LOCATED BELOW GRADE. REFER TO DETAIL ON P5.3.
11. TRANSFER FROM PERFORATED FOUNDATION DRAIN PIPE TO SOLID WALL PIPE AT THIS POINT.



N

FOUNDATION PLAN - PLUMBING - AREA F
1/8" = 1'-0"

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F

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

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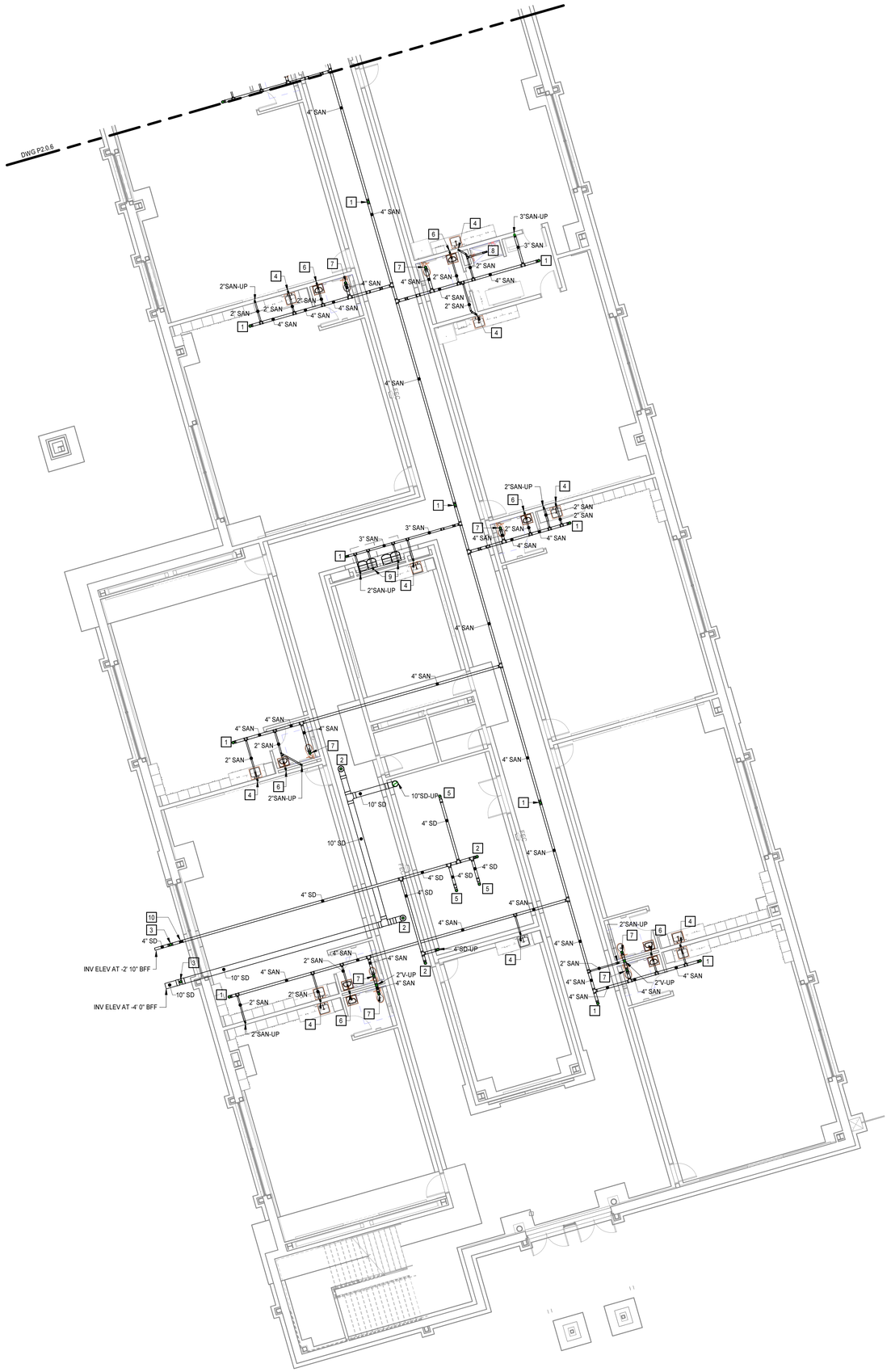
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FOUNDATION PLAN - PLUMBING - AREA F

P2.0.6

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KEYNOTES

APPLIES TO DRAWINGS P2.0.7
REPRESENTED BY n

1. SANITARY UP TO FLOOR CLEANOUT.
2. STORM DRAINAGE UP TO FLOOR CLEANOUT.
3. STORM DRAINAGE UP TO GROUND CLEANOUT.
4. 2"SAN-UP TO SINK.
5. 4"SD PTRAP-UP TO FLOOR DRAIN.
6. 2"SAN-UP TO LAVATORY.
7. 4"SAN-UP TO WATER CLOSET.
8. 2"SAN PTRAP-UP SHOWER DRAIN.
9. 2"SAN-UP TO DRINKING FOUNTAIN.
10. BACKWATER VALVE LOCATED BELOW GRADE. REFER TO DETAIL ON P5.3.

FOUNDATION PLAN - PLUMBING - AREA G
1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

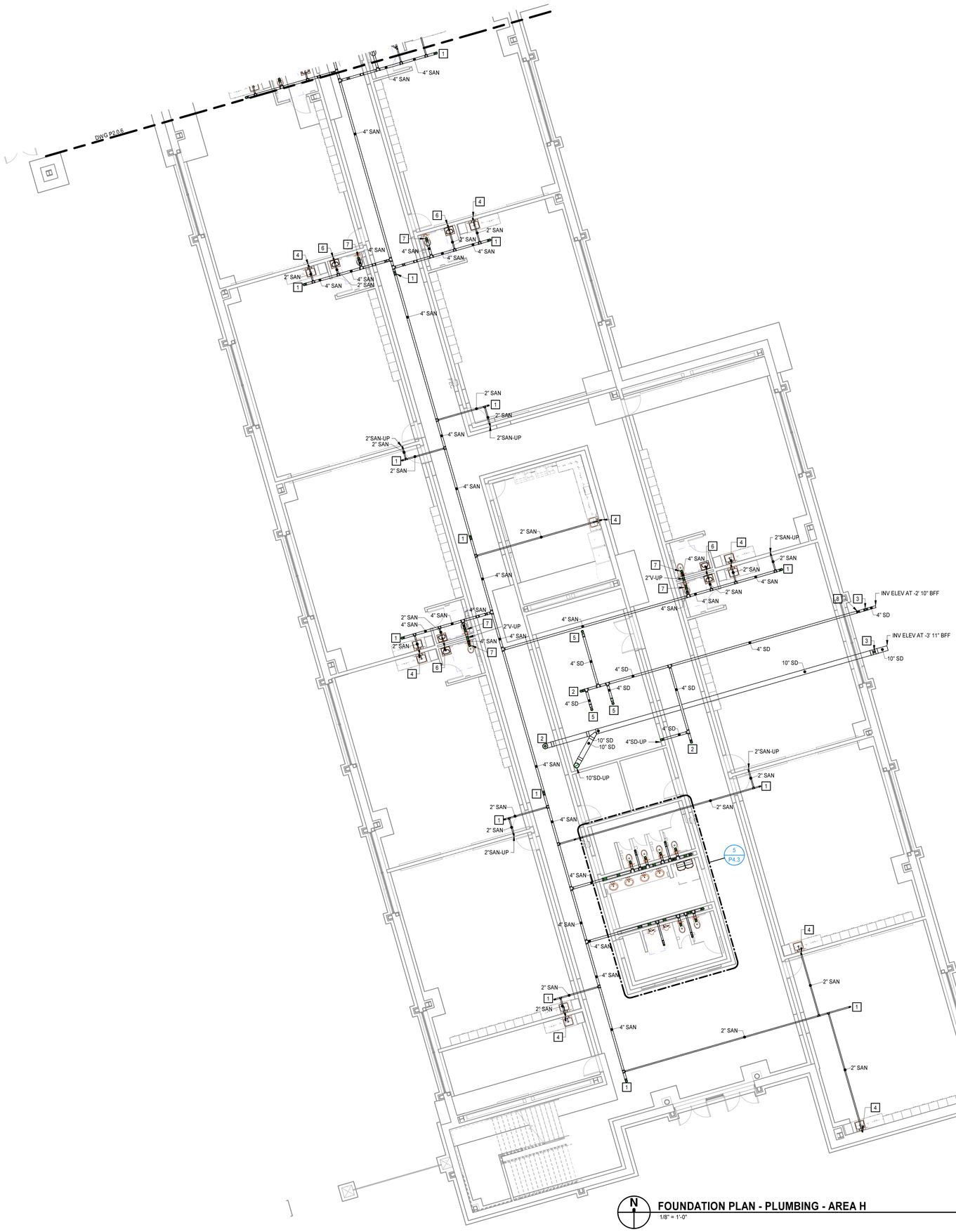
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FOUNDATION PLAN - PLUMBING - AREA G

P2.0.7

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KEYNOTES

APPLIES TO DRAWINGS P2.0.8
REPRESENTED BY n

1. SANITARY UP TO FLOOR CLEANOUT.
2. STORM DRAINAGE UP TO FLOOR CLEANOUT.
3. STORM DRAINAGE UP TO GROUND CLEANOUT.
4. 2"SAN-UP TO SINK.
5. 4"SD PTRAP-UP TO FLOOR DRAIN.
6. 2"SAN-UP TO LAVATORY.
7. 4"SAN-UP TO WATER CLOSET.
8. BACKWATER VALVE LOCATED BELOW GRADE. REFER TO DETAIL ON P5.3.

FOUNDATION PLAN - PLUMBING - AREA H
1/8" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER BRITTON T WHITFIELD

H

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

FOUNDATION PLAN - PLUMBING - AREA H

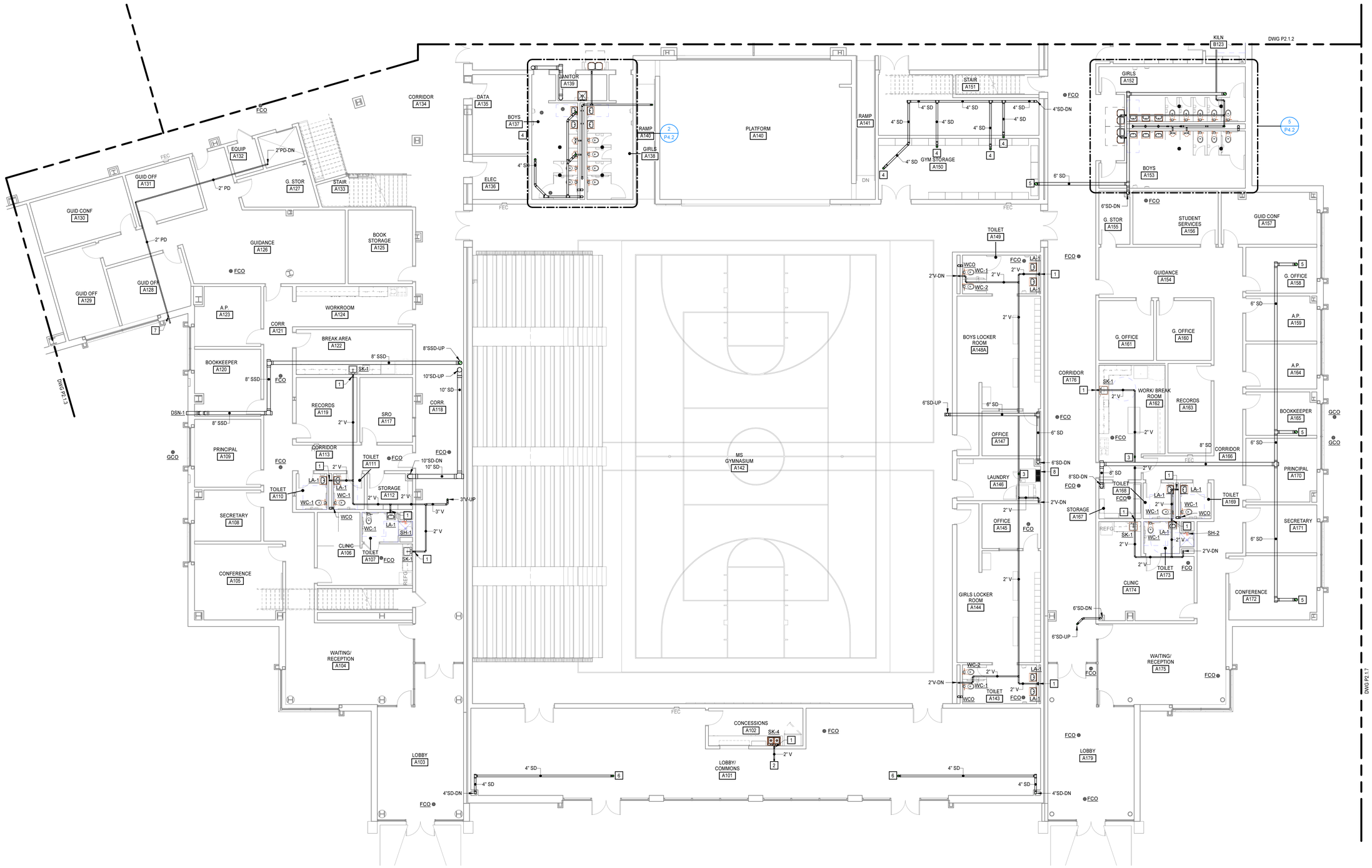
P2.0.8

8/2/2024 7:44:34 AM

KEYNOTES

APPLIES TO DRAWINGS P2.1.1
REPRESENTED BY n

1. 2"V-DN TO 2"SAN-DN.
2. 2"V-UP TO 2"VTR.
3. 3"V-UP TO 3"VTR.
4. 4"SD-UP TO FLOOR DRAIN.
5. 6"SD-UP TO ROOF DRAIN.
6. 4"SD-UP TO ROOF DRAIN.
7. 2"PD-DN TO SPLASHBLOCK.
8. REFER TO LAUNDRY TRENCH DETAIL ON P5.2.



FIRST FLOOR PLAN - SANITARY - AREA A

1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

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FIRST FLOOR PLAN - SANITARY - AREA A

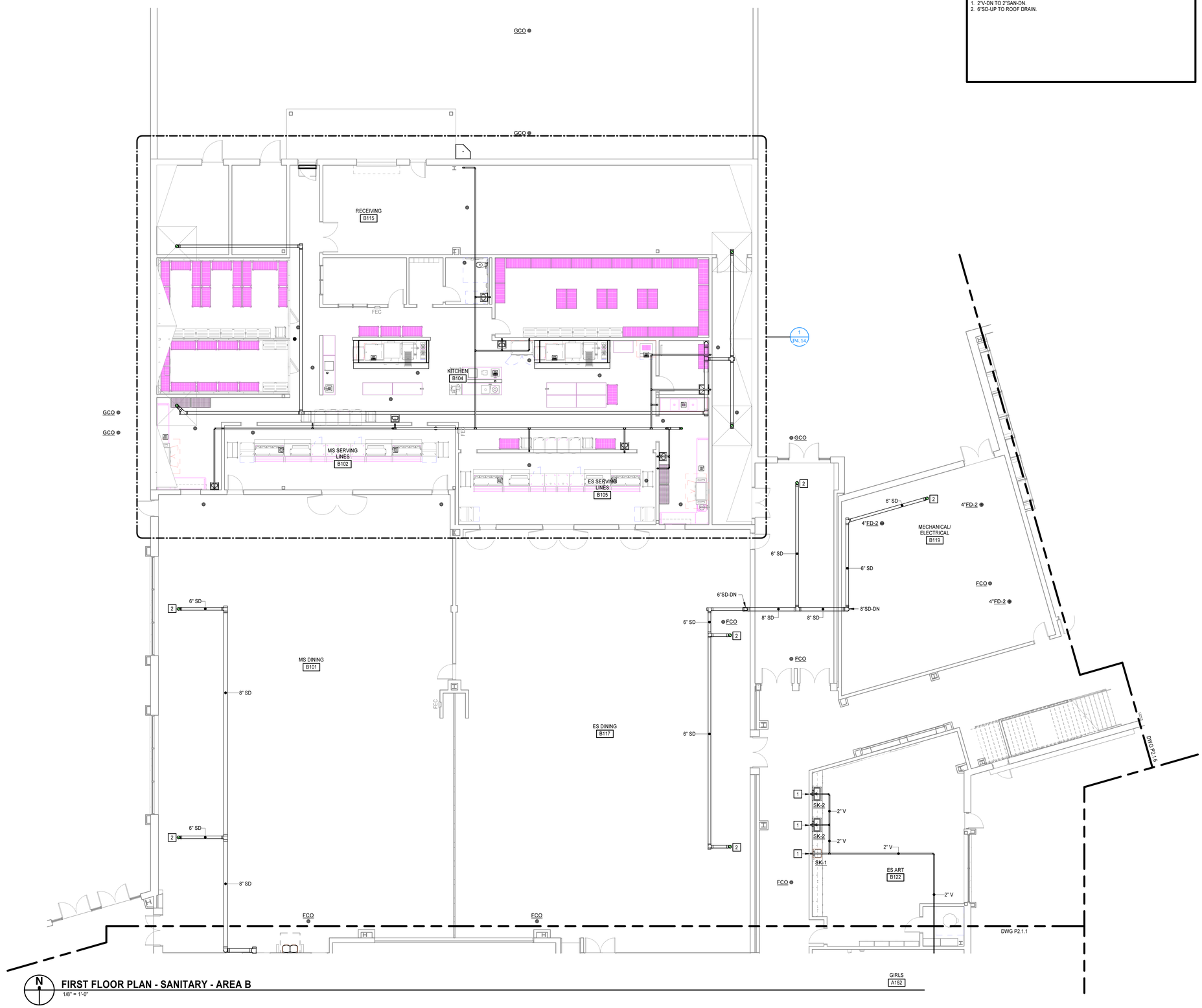
P2.1.1

8/2/2024 7:44:39 AM

KEYNOTES

APPLIES TO DRAWINGS P2.1.2
REPRESENTED BY n

1. 2"V-DN TO 2"SAN-DN.
2. 6"SD-UP TO ROOF DRAIN.



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

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B

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 831310
DATE: AUGUST 2, 2024

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FIRST FLOOR PLAN - SANITARY - AREA B

P2.1.2

8/2/2024 7:44:43 AM

KEYNOTES

APPLIES TO DRAWINGS P2.1.3
REPRESENTED BY n

1. 2"SAN-UP AND DN.
2. 4"SD PTRAP-UP TO FLOOR DRAIN.
3. 2"V-DN TO 4"SAN-DN.
4. 4"SAN-UP TO WATER CLOSET.
5. 2"V-DN TO 2"SAN-DN.



FIRST FLOOR PLAN - SANITARY - AREA C

1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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DATE: AUGUST 2, 2024

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FIRST FLOOR PLAN - SANITARY - AREA C

P2.1.3

8/2/2024 7:44:46 AM



FIRST FLOOR PLAN - SANITARY - AREA D

1/8" = 1'-0"

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D

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

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FIRST FLOOR PLAN - SANITARY - AREA D

P2.1.4

8/2/2024 7:44:48 AM



N

FIRST FLOOR PLAN - SANITARY - AREA E

1/8" = 1'-0"

8/2/2024 7:44:50 AM

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E

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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DATE	DESCRIPTION

FIRST FLOOR PLAN - SANITARY - AREA E

P2.1.5

KEYNOTES

APPLIES TO DRAWINGS P2.1.6
REPRESENTED BY n

1. 2"SAN-UP AND DN.
2. 2"V-DN TO 4"SAN-DN.
3. 4"SD PTRAP-UP TO FLOOR DRAIN.
4. 3"SAN PTRAP-UP TO FLOOR DRAIN.
5. 3"SAN PTRAP-UP TO MOP BASIN.
6. 2"SAN-UP TO SINK.
7. 2"SAN-UP TO LAVAOTRY.
8. 2"SAN-UP TO URINAL.
9. 4"SAN-UP TO WATER CLOSET.
10. 2"PD-DN TO SPLASHBLOCK.



N

FIRST FLOOR PLAN - SANITARY - AREA F

1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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DATE: AUGUST 2, 2024

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FIRST FLOOR PLAN - SANITARY - AREA F

P2.1.6

8/2/2024 7:44:54 AM

KEYNOTES

APPLIES TO DRAWINGS P2.1.7
REPRESENTED BY n

1. 2"SAN-UP AND DN.
2. 2"SAN-UP TO SINK.
3. 2"V-DN TO 2"SAN-DN.
4. 2"V-DN TO 3"SAN-DN.
5. 4"SD PTRAP-UP TO FLOOR DRAIN.



N

FIRST FLOOR PLAN - SANITARY - AREA G

1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
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PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - SANITARY - AREA G

P2.1.7

8/2/2024 7:44:57 AM

KEYNOTES

APPLIES TO DRAWINGS P2.1.8
REPRESENTED BY n

1. 2"SAN-UP AND DN.
2. 2"SAN-UP TO SINK.
3. 2"V-DN TO 2"SAN-DN.
4. 4"SD PTRAP-UP TO FLOOR DRAIN.



FIRST FLOOR PLAN - SANITARY - AREA H

1/8" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

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PROJECT NO: 631310
DATE: AUGUST 2, 2024

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DATE	DESCRIPTION

FIRST FLOOR PLAN - SANITARY - AREA H

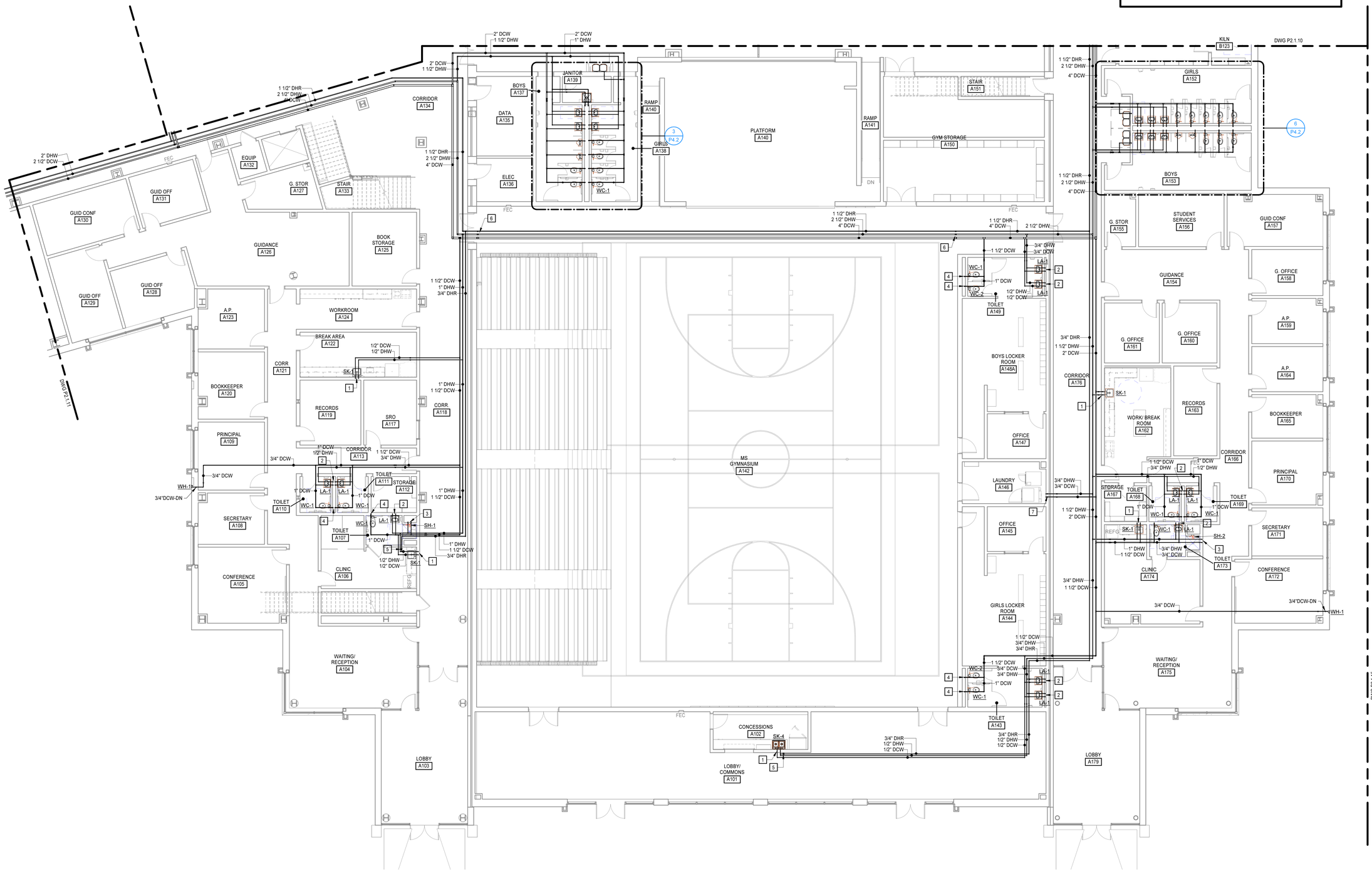
P2.1.8

8/2/2024 7:45:00 AM

KEYNOTES

APPLIES TO DRAWINGS P2.1.9
REPRESENTED BY [n]

1. 1/2"DCW AND 1/2"DHW-DN TO SINK.
2. 1/2"DCW AND 1/2"DHW-DN TO LAVATORY.
3. 1/2"DCW AND 1/2"DHW-DN TO SHOWER.
4. 1"DCW-DN TO WATER CLOSET.
5. CALIBRATED BALANCING VALVE SET AT 1.00GPM.
6. 4"DCW, 2 1/2"DHW, AND 1 1/2"DHR-UP TO RUN BELOW RAISED CEILING AREA.
7. 3/4"DCW AND 3/4"DHW-DN TO WASHER BOX.



FIRST FLOOR PLAN - DOMESTIC - AREA A

1/8" = 1'-0"

8/2/2024 7:45:06 AM

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A

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

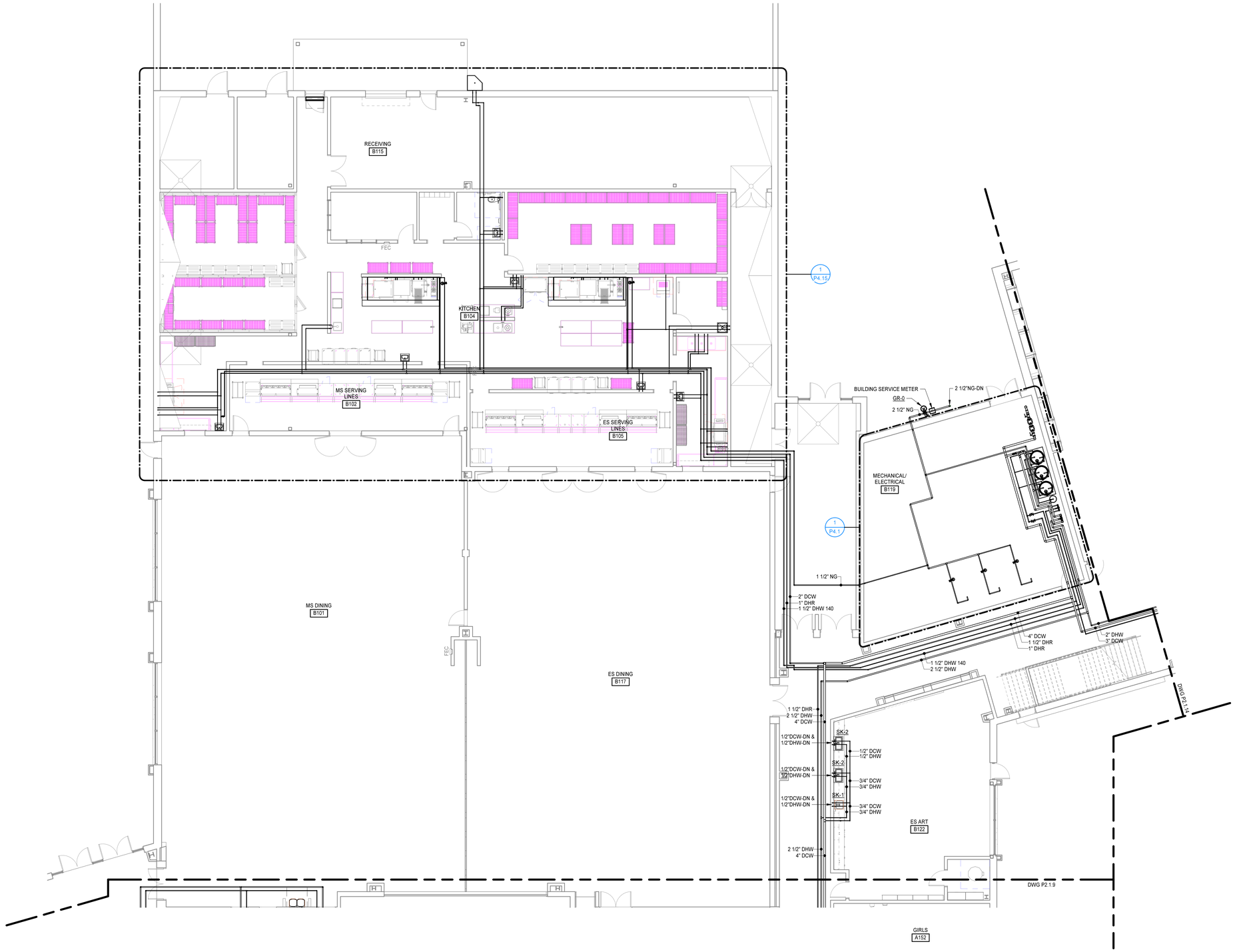
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PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - DOMESTIC - AREA A

P2.1.9



FIRST FLOOR PLAN - DOMESTIC - AREA B

1/8" = 1'-0"

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B

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
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DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - DOMESTIC - AREA B

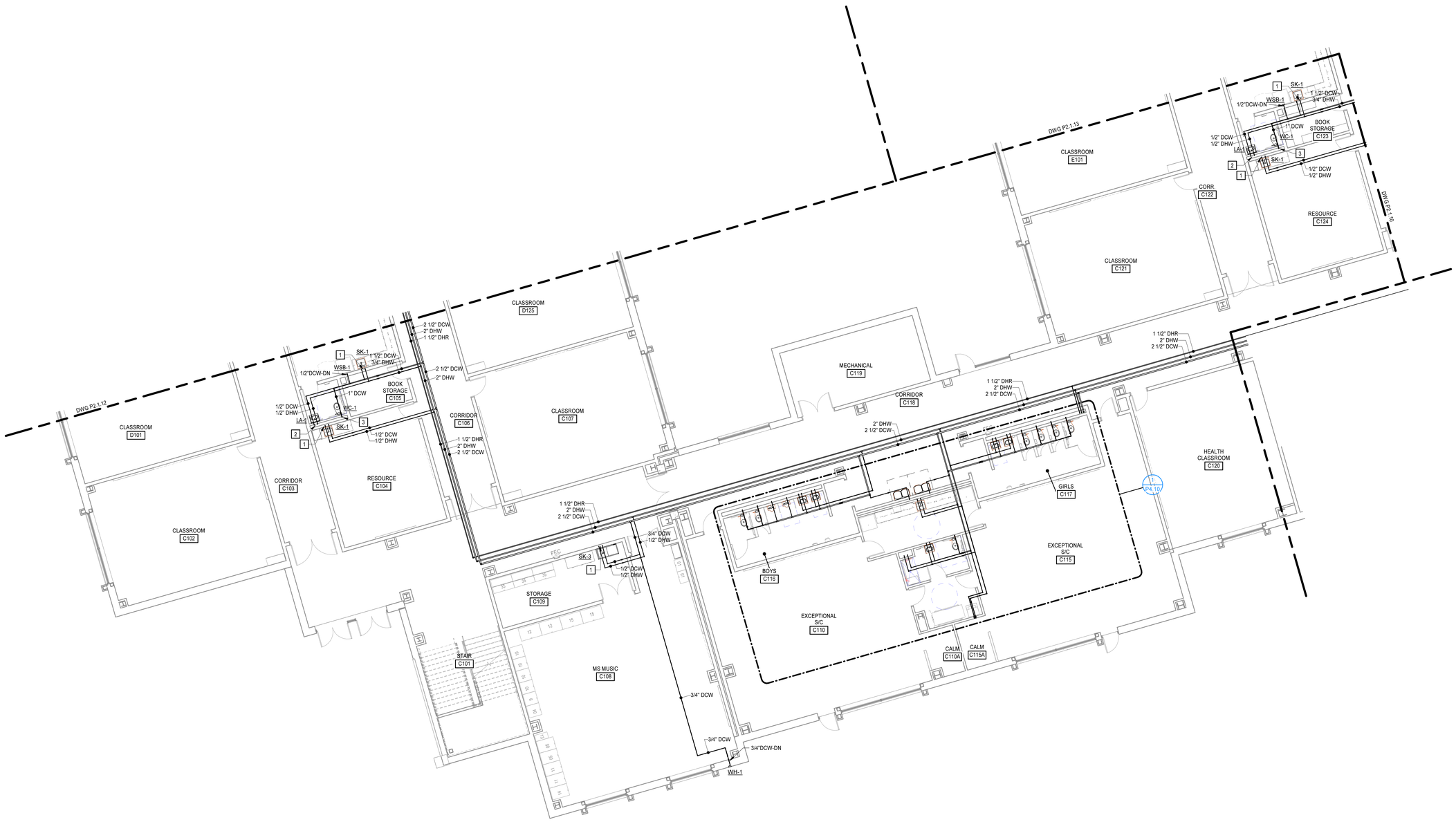
P2.1.10

8/2/2024 7:45:10 AM

KEYNOTES

APPLIES TO DRAWINGS P2.1.11
REPRESENTED BY n

1. 1/2"DCW AND 1/2"DHW-DN TO SINK.
2. 1/2"DCW AND 1/2"DHW-DN TO LAVATORY.
3. 1"DCW-DN TO WATER CLOSET.



N

FIRST FLOOR PLAN - DOMESTIC - AREA C

1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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FIRST FLOOR PLAN - DOMESTIC - AREA C

P2.1.11

8/2/2024 7:45:14 AM



FIRST FLOOR PLAN - DOMESTIC - AREA D

1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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FIRST FLOOR PLAN - DOMESTIC - AREA D

P2.1.12

8/2/2024 7:45:16 AM



FIRST FLOOR PLAN - DOMESTIC - AREA E

1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

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FIRST FLOOR PLAN - DOMESTIC - AREA E

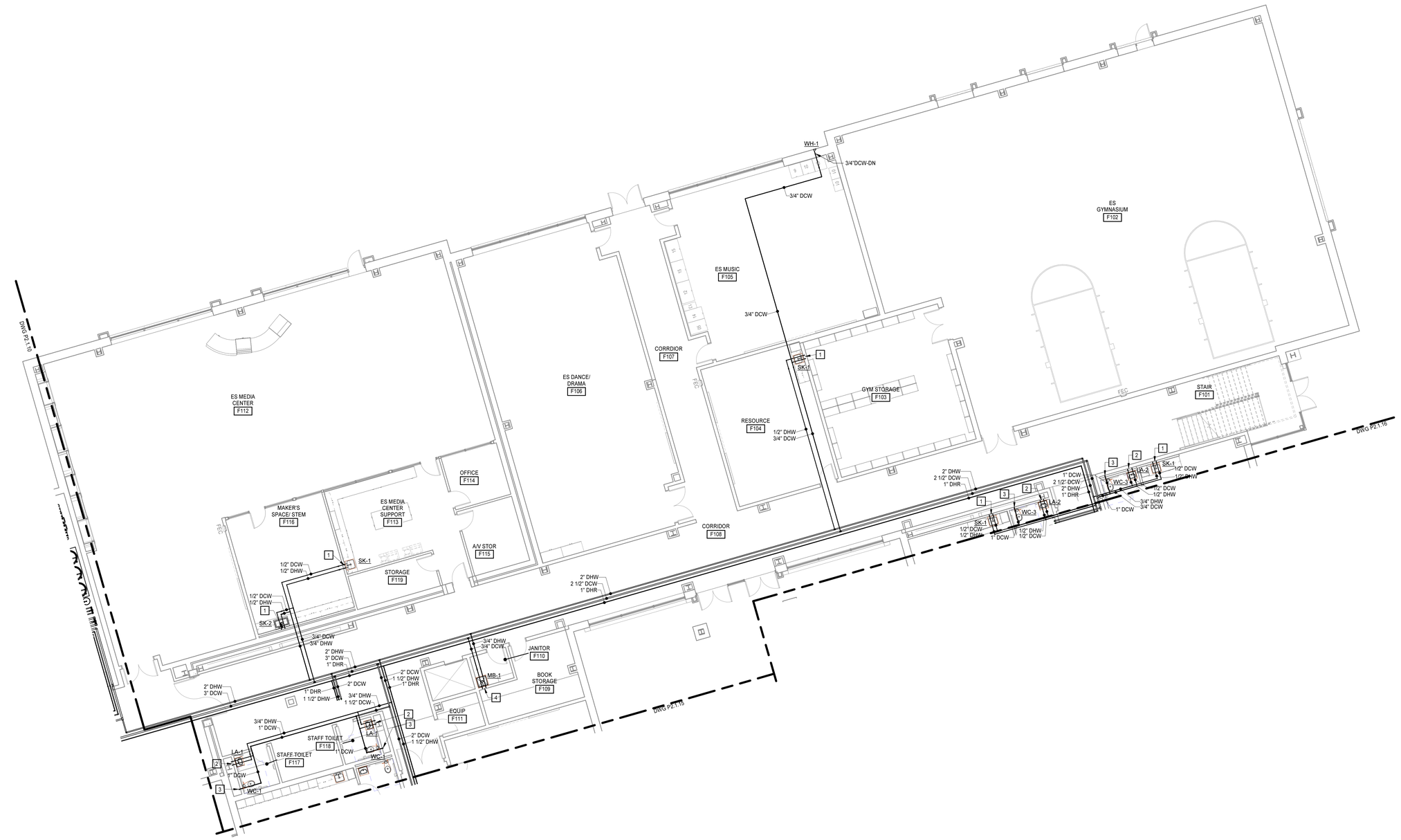
P2.1.13

8/2/2024 7:45:19 AM

KEYNOTES

APPLIES TO DRAWINGS P2.1.14
REPRESENTED BY n

1. 1/2"DCW & 1/2"DHW-DN TO SINK.
2. 1/2"DCW & 1/2"DHW-DN TO LAVATORY.
3. 1"DCW-DN TO WATER CLOSET.
4. 3/4"DCW & 3/4"DHW-DN TO MOP BASIN.



N

FIRST FLOOR PLAN - DOMESTIC - AREA F

1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

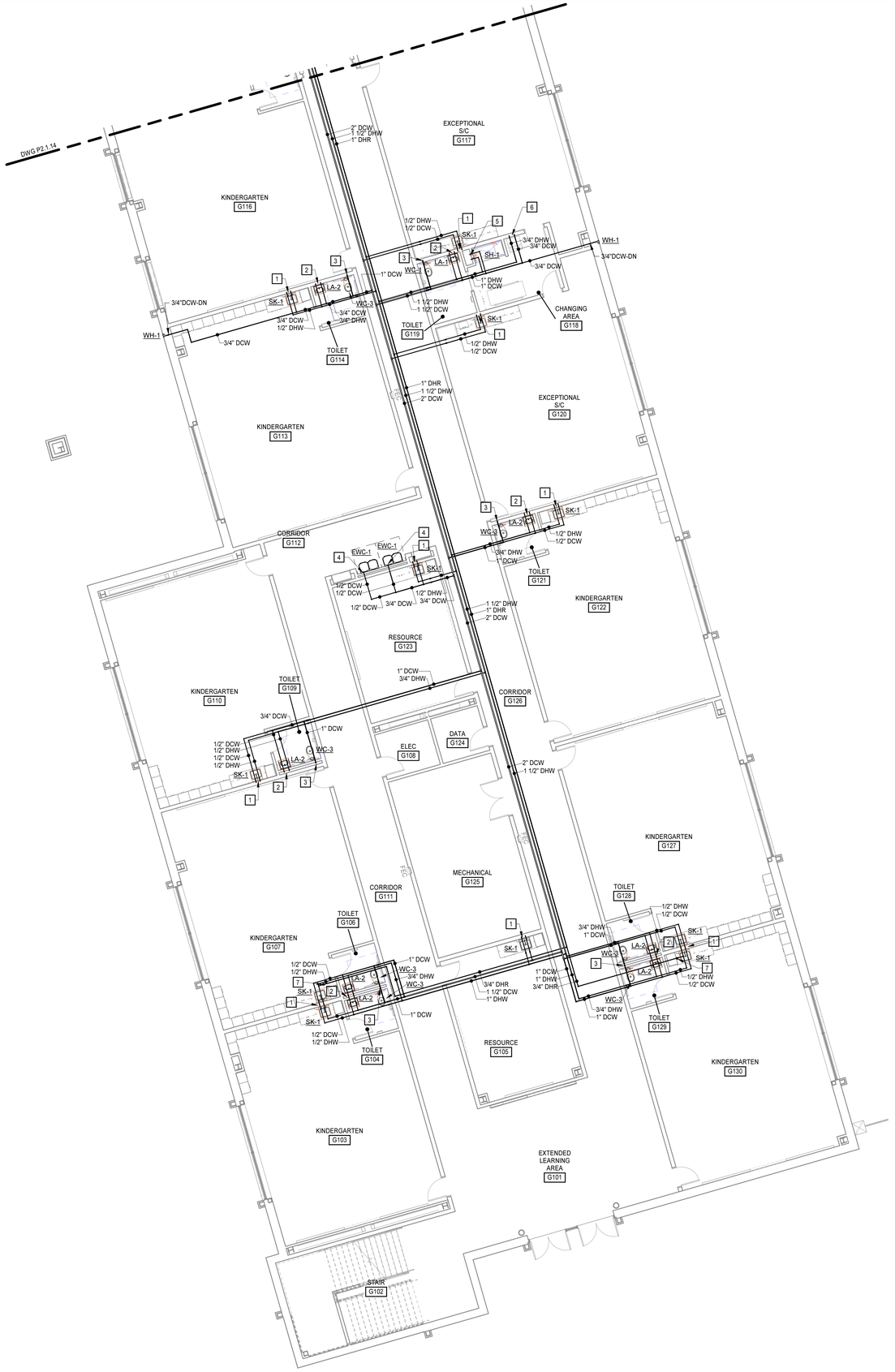
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DATE	DESCRIPTION

FIRST FLOOR PLAN - DOMESTIC - AREA F

P2.1.14

8/2/2024 7:45:23 AM



KEYNOTES

APPLIES TO DRAWINGS P2.1.15
REPRESENTED BY n

1. 1/2"DCW & 1/2"DHW-DN TO SINK.
2. 1/2"DCW & 1/2"DHW-DN TO LAVATORY.
3. 1"DCW-DN TO WATER CLOSET.
4. 1/2"DCW-DN TO DRINKING FOUNTAIN.
5. 1/2"DCW & 1/2"DHW-DN TO SHOWER.
6. 3/4"DCW & 3/4"DHW-DN TO WASHER BOX.
7. CALIBRATED BALANCING VALVE SET AT 1.00GPM.

FIRST FLOOR PLAN - DOMESTIC - AREA G
1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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DATE: AUGUST 2, 2024

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FIRST FLOOR PLAN - DOMESTIC - AREA G

P2.1.15

8/2/2024 7:45:26 AM

KEYNOTES

APPLIES TO DRAWINGS P2.1.16
REPRESENTED BY n

1. 1/2"DCW & 1/2"DHW-DN TO SINK.
2. 1/2"DCW & 1/2"DHW-DN TO LAVATORY.
3. 1"DCW-DN TO WATER CLOSET.
4. CALIBRATED BALANCING VALVE SET AT 1.50GPM.
5. 1/2"DCW-DN TO ICE MAKER.
6. 2"DCW, 1 1/2"DHW, AND 1"DHR-UP.



FIRST FLOOR PLAN - DOMESTIC - AREA H
1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

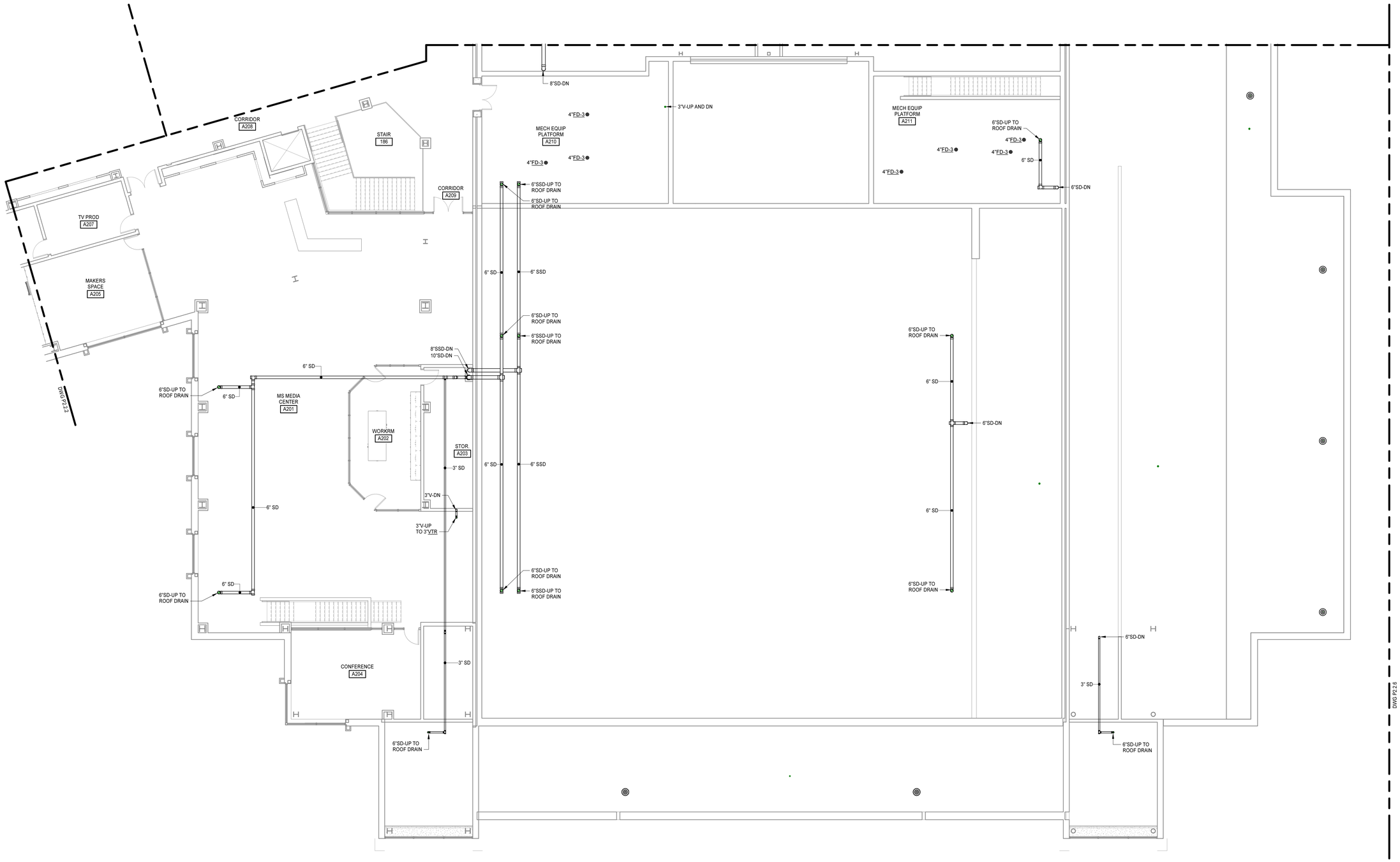
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FIRST FLOOR PLAN - DOMESTIC - AREA H

P2.1.16

8/2/2024 7:45:30 AM



N

SECOND FLOOR PLAN - SANITARY - AREA A

1/8" = 1'-0"

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A

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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SECOND FLOOR PLAN - SANITARY - AREA A

P2.2.1

8/2/2024 9:00:30 AM

KEYNOTES

APPLIES TO DRAWINGS P2.2.2
REPRESENTED BY n

1. 2"V-DN TO 2"SAN-DN.
2. 3"V-UP TO 3"VTR.
3. 6"SD-UP TO ROOF DRAIN.
4. 4"SD-UP TO ROOF DRAIN.



SECOND FLOOR PLAN - SANITARY - AREA C

1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

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SECOND FLOOR PLAN - SANITARY - AREA C

P2.2.2

8/2/2024 7:45:35 AM



SECOND FLOOR PLAN - SANITARY - AREA D

1/8" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER KEITH T WHITE

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

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SECOND FLOOR PLAN - SANITARY - AREA D

P2.2.3

8/2/2024 7:45:37 AM



N

SECOND FLOOR PLAN - SANITARY - AREA E

1/8" = 1'-0"

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E

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

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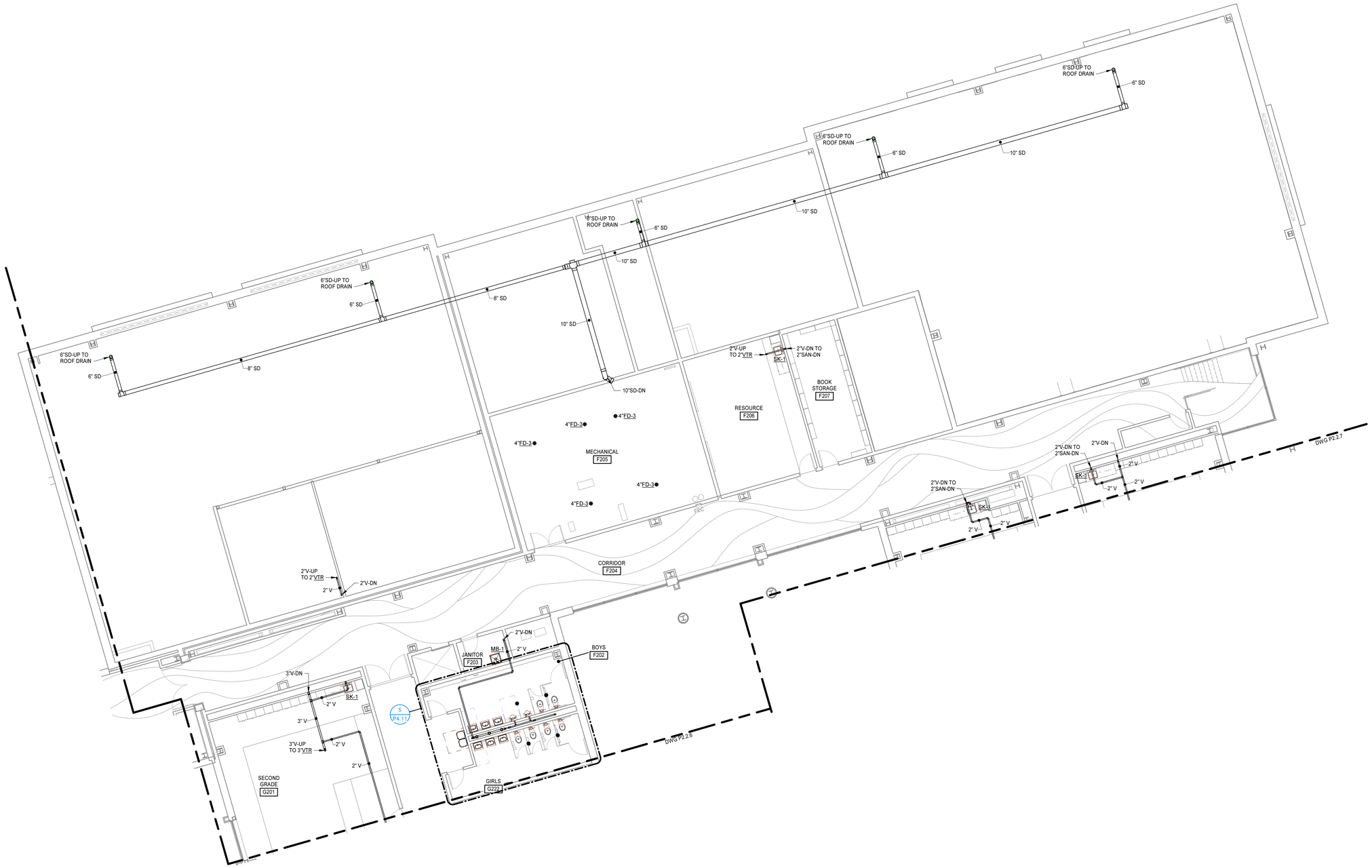
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SECOND FLOOR PLAN - SANITARY - AREA E

P2.2.4

8/2/2024 7:45:39 AM



N

SECOND FLOOR PLAN - SANITARY - AREA F

1/8" = 1'-0"

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F

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
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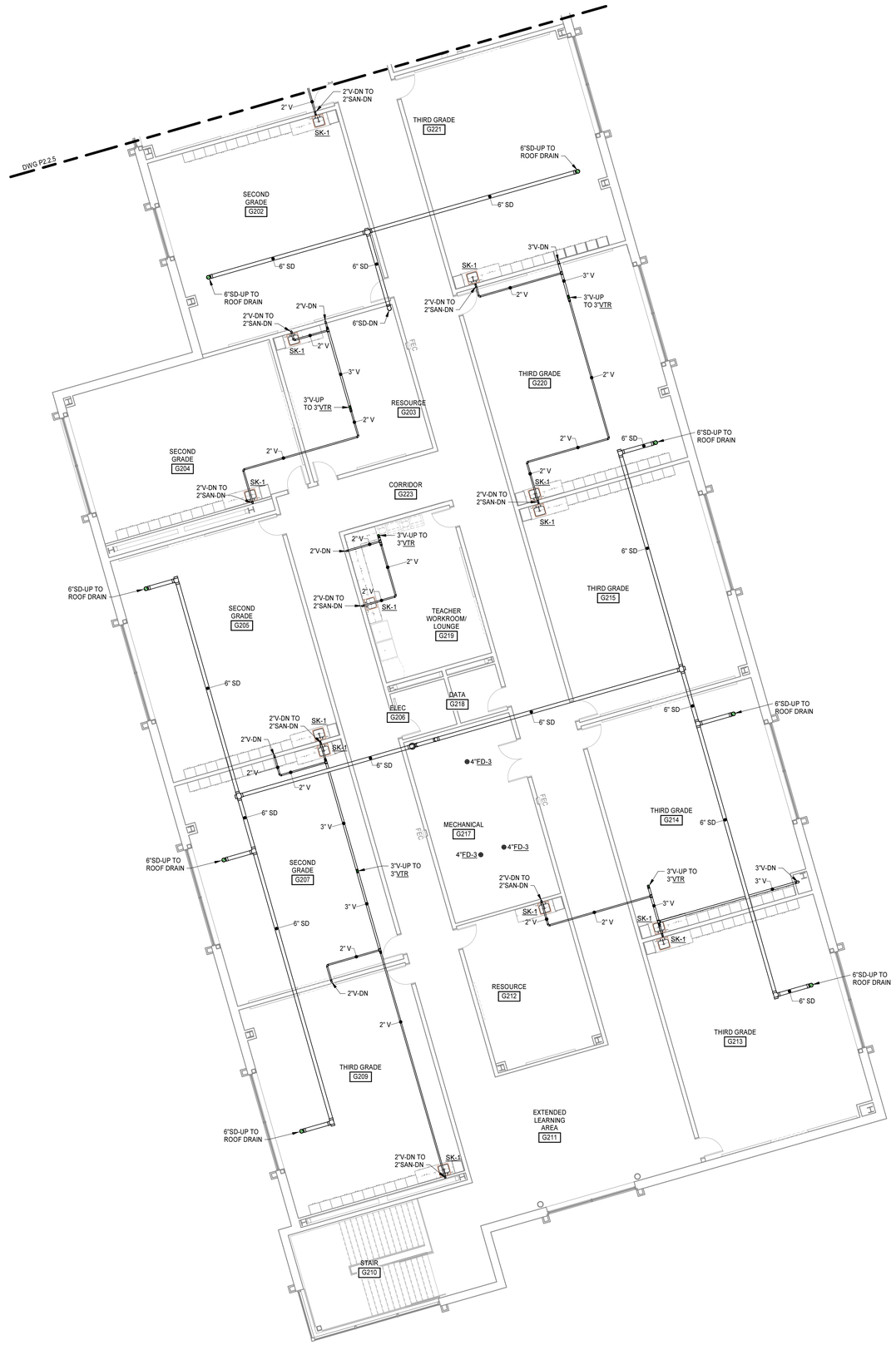
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SECOND FLOOR PLAN - SANITARY - AREA F

P2.2.5

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SECOND FLOOR PLAN - SANITARY - AREA G

1/8" = 1'-0"

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Pender County Schools
Highway 210, Hampstead, NC 28443

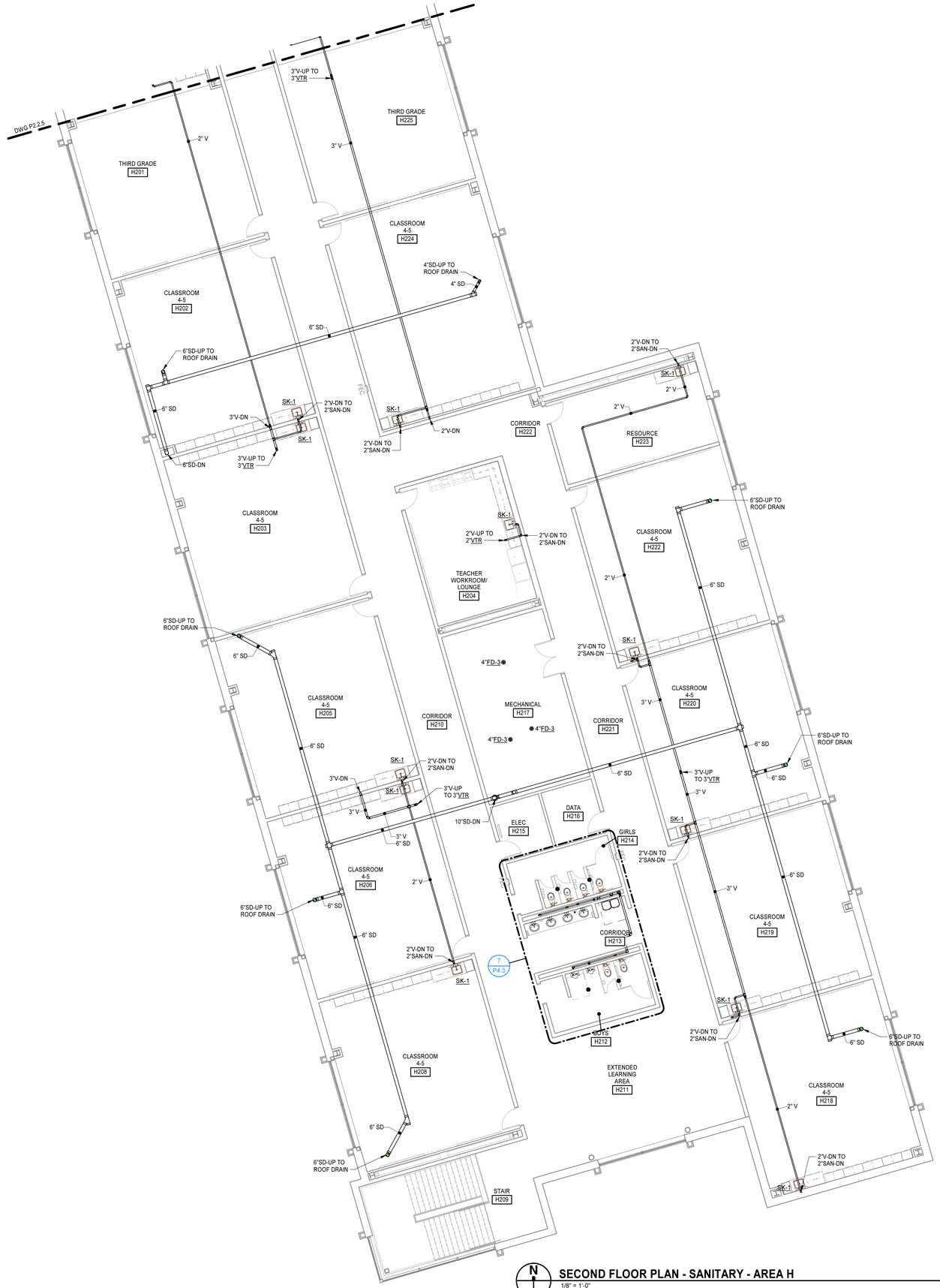
PROJECT NO: 831310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - SANITARY - AREA G

P2.2.6

8/2/2024 7:45:43 AM



N

SECOND FLOOR PLAN - SANITARY - AREA H

1/8" = 1'-0"

MOSELEYARCHITECTS
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PHONE (919) 840-0091
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER PATRICK T WHITE

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - SANITARY - AREA H

P2.2.7

8/2/2024 7:45:45 AM

KEYNOTES

APPLIES TO DRAWINGS P2.2.9
REPRESENTED BY [n]

1. 1/2"DCW AND 1/2"DHW-DN TO SINK.
2. 1/2"DCW AND 1/2"DHW-DN TO LAVATORY.
3. 1"DCW-DN TO WATER CLOSET.
4. 1/2"CW-DN TO ICE MAKER.
5. CALIBRATED BALANCING VALVE SET AT 1.00GPM.



N

SECOND FLOOR PLAN - DOMESTIC - AREA C

1/8" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER BRITTON T WHITE

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - DOMESTIC - AREA C

P2.2.8

8/2/2024 7:45:48 AM



N

SECOND FLOOR PLAN - DOMESTIC - AREA D

1/8" = 1'-0"

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D

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - DOMESTIC - AREA D

P2.2.9

8/2/2024 7:45:51 AM



N

SECOND FLOOR PLAN - DOMESTIC - AREA E

1/8" = 1'-0"

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PHONE (919) 840-0091
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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER BRITTON T WHITFIELD

E

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 831310
DATE: AUGUST 2, 2024

REVISIONS

DATE	DESCRIPTION

SECOND FLOOR PLAN - DOMESTIC - AREA E

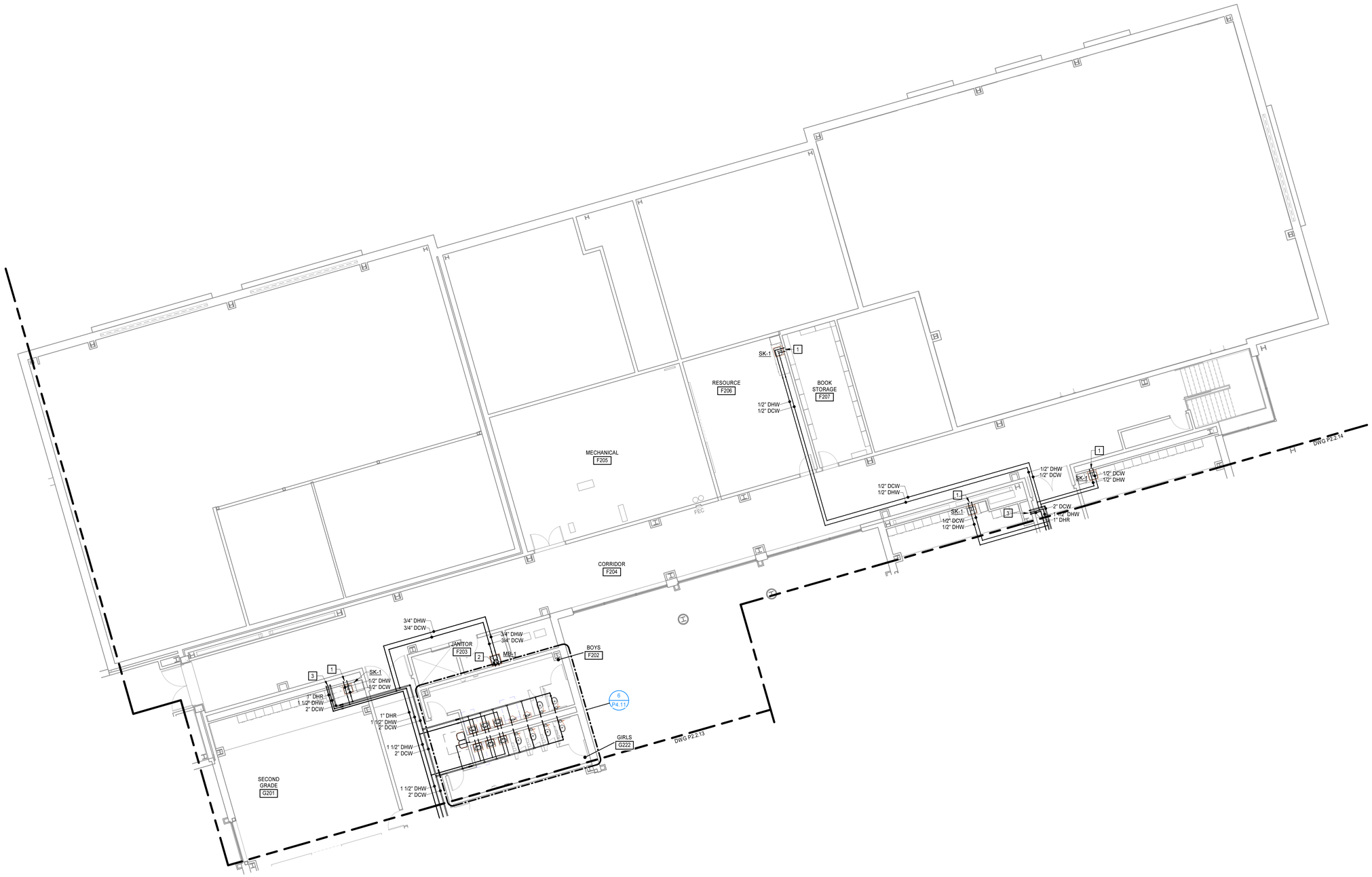
P2.2.10

8/2/2024 7:45:53 AM

KEYNOTES

APPLIES TO DRAWINGS P2.2.12
REPRESENTED BY [n]

1. 1/2"DCW AND 1/2"DHW-DN TO SINK.
2. 3/4"DCW AND 3/4"DHW-DN TO MOP BASIN.
3. 2"DCW, 1 1/2"DHW, AND 1"DHR-DN.



N

SECOND FLOOR PLAN - DOMESTIC - AREA F
1/8" = 1'-0"

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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

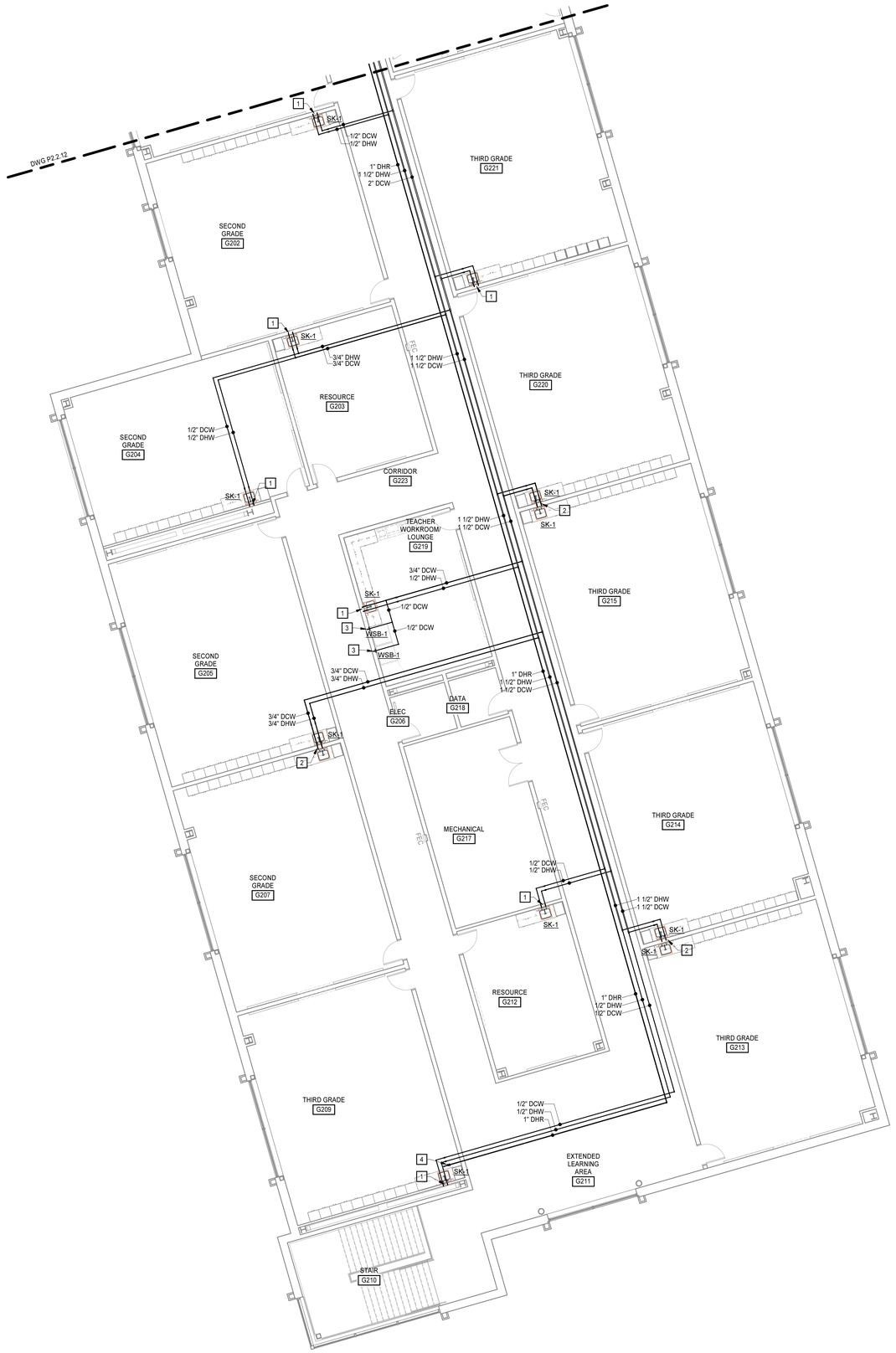
PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - DOMESTIC - AREA F

P2.2.11

8/2/2024 7:45:55 AM



KEYNOTES

APPLIES TO DRAWINGS P2.2.13
REPRESENTED BY [n]

1. 1/2"DCW AND 1/2"DHW-DN TO SINK.
2. 3/4"DCW AND 3/4"DHW-DN TO SINKS.
3. 1/2"DCW-DN TO ICE MAKER.
4. CALIBRATED BALANCING VALVE SET AT 1.50GPM.

SECOND FLOOR PLAN - DOMESTIC - AREA G
1/8" = 1'-0"

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PHONE (919) 840-0091
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KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - DOMESTIC - AREA G

P2.2.12

8/2/2024 7:45:57 AM



KEYNOTES

APPLIES TO DRAWINGS P2.2.14
REPRESENTED BY [n]

1. 1/2"DCW AND 1/2"DHW-DN TO SINK.
2. 3/4"DCW AND 3/4"DHW-DN TO SINKS.
3. 1/2"DCW-DN TO ICE MAKER.
4. CALIBRATED BALANCING VALVE SET AT 1.50GPM.

SECOND FLOOR PLAN - DOMESTIC - AREA H
1/8" = 1'-0"

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PHONE (919) 840-0091
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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER KEITH T WHITE

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

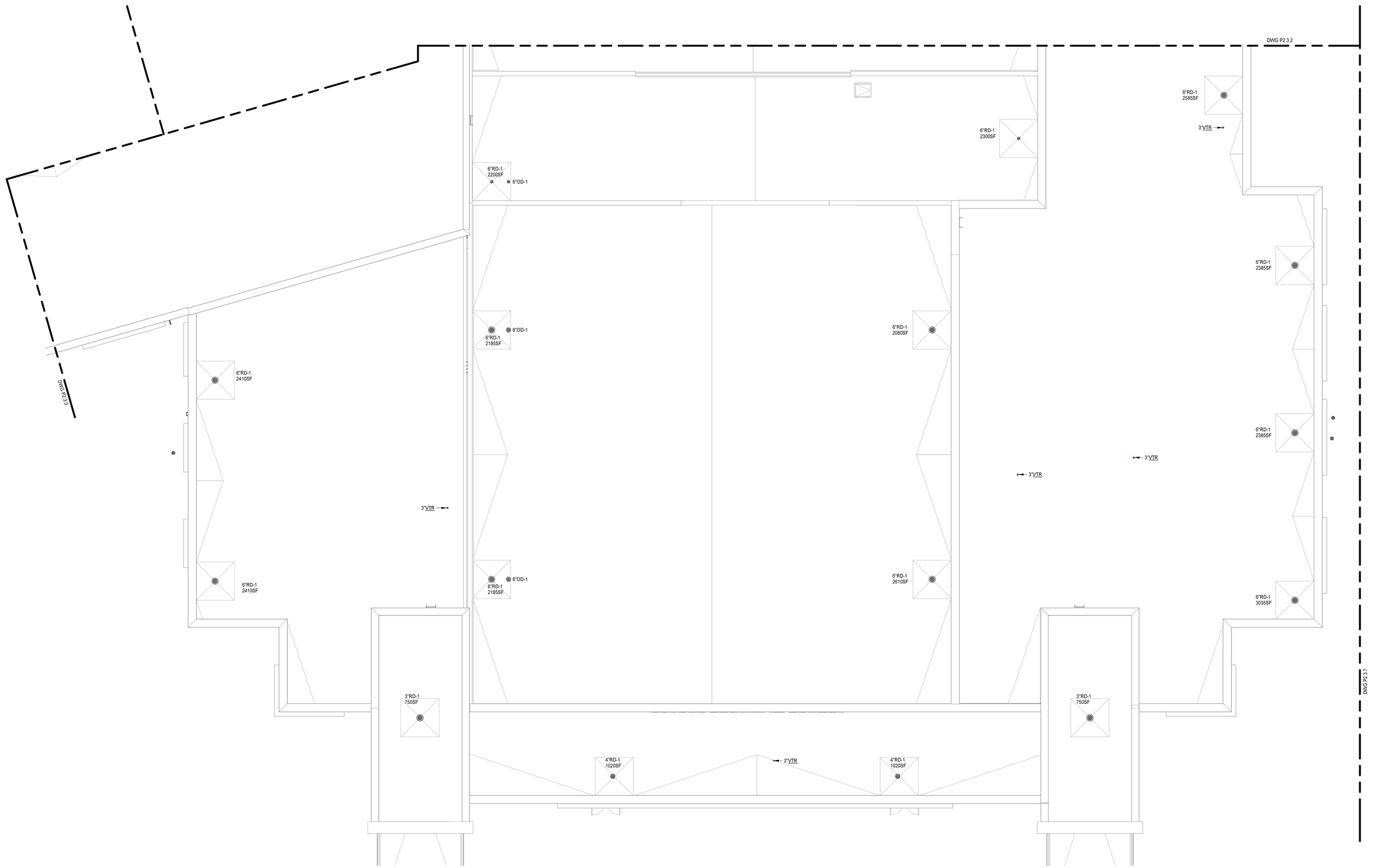
PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - DOMESTIC - AREA H

P2.2.13

8/2/2024 7:46:00 AM



N

ROOF PLAN - PLUMBING - AREA A

1/8" = 1'-0"

8/2/2024 7:46:14 AM

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER MATTHEW T WHITFIELD

A

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

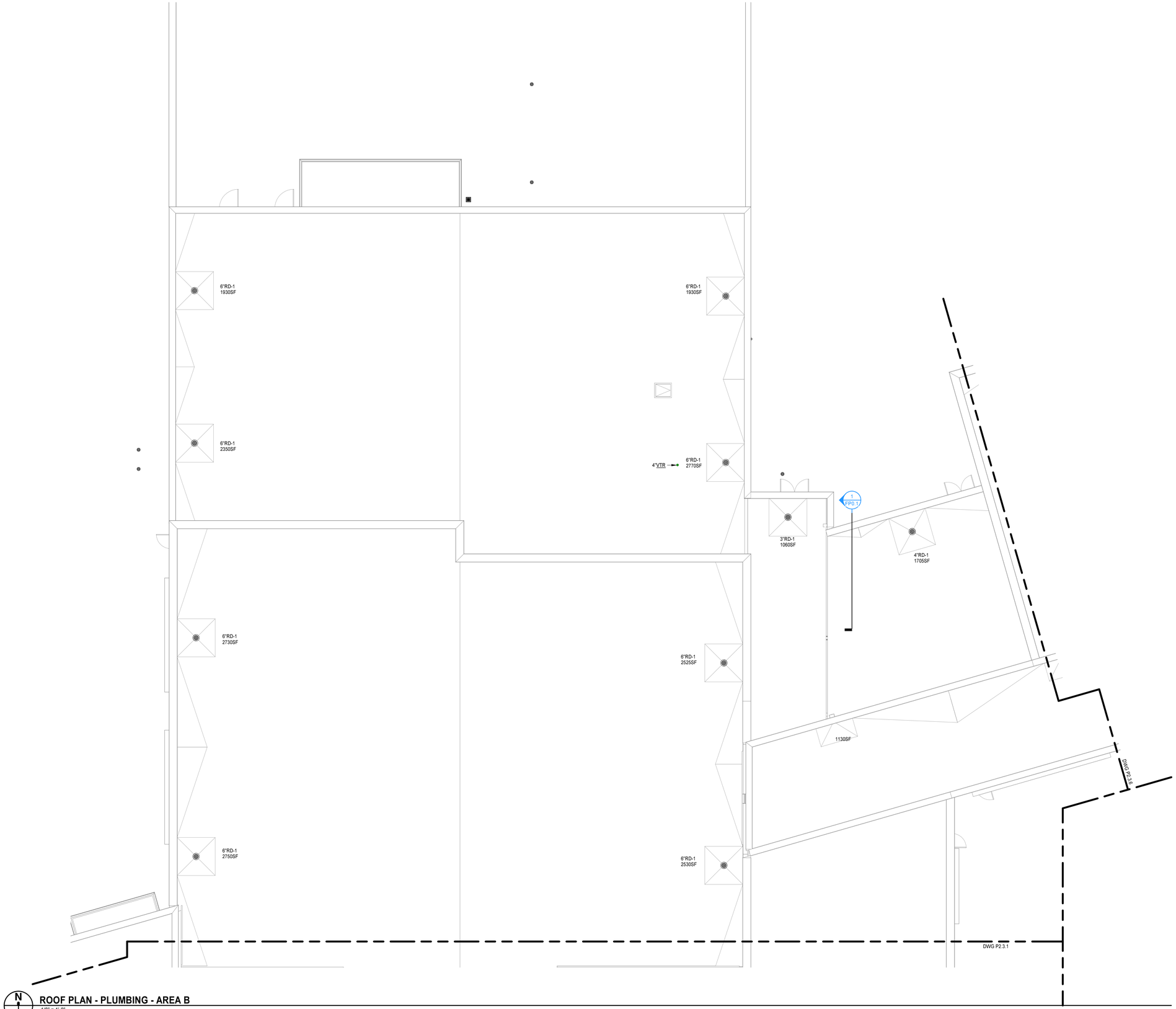
Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

ROOF PLAN - PLUMBING - AREA A

P2.3.1



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

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER MATTHEW T WHITE

B

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

ROOF PLAN - PLUMBING - AREA B

P2.3.2

8/2/2024 7:46:20 AM



ROOF PLAN - PLUMBING - AREA C

1/8" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER BRITTON T WHITFIELD

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

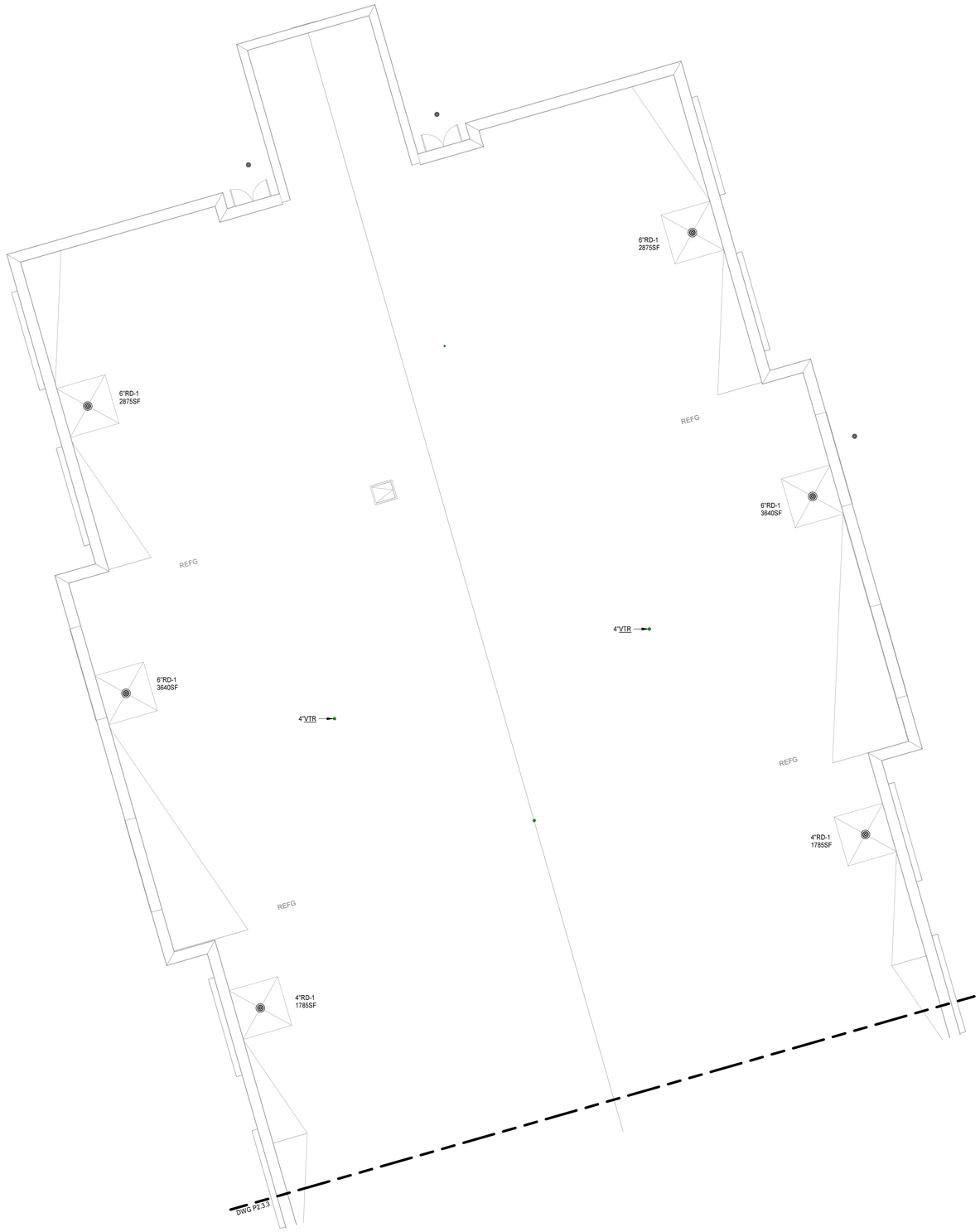
PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

ROOF PLAN - PLUMBING - AREA C

P2.3.3

8/2/2024 7:46:31 AM



N

ROOF PLAN - PLUMBING - AREA D

1/8" = 1'-0"

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PHONE (919) 840-0091
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER KEITH T WHITFIELD

D

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

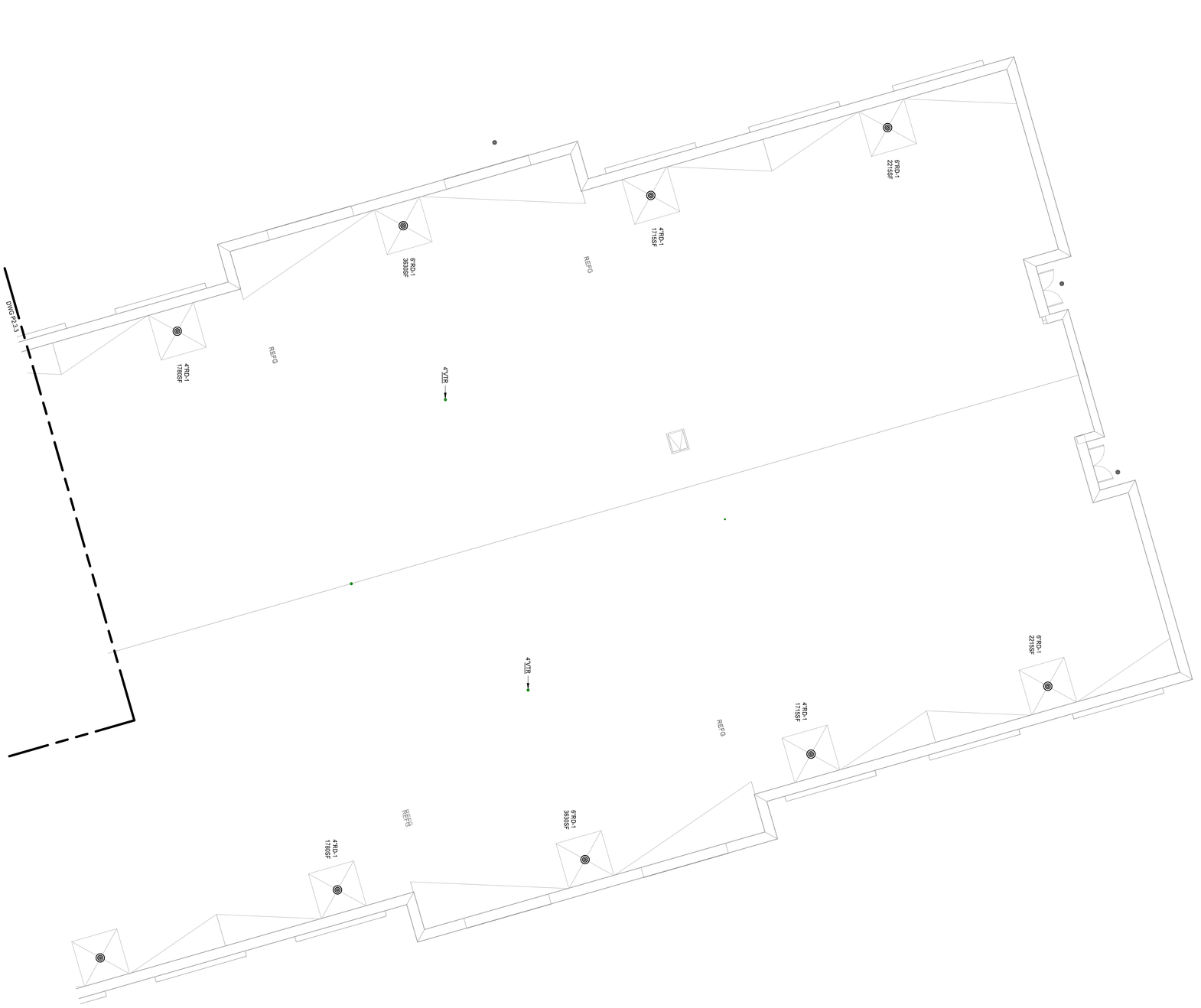
PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

ROOF PLAN - PLUMBING - AREA D

P2.3.4

8/2/2024 7:46:40 AM



ROOF PLAN - PLUMBING - AREA E

P2.3.5

PROJECT NO 831610
DATE AUGUST 2, 2024

DATE	REVISIONS DESCRIPTION

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

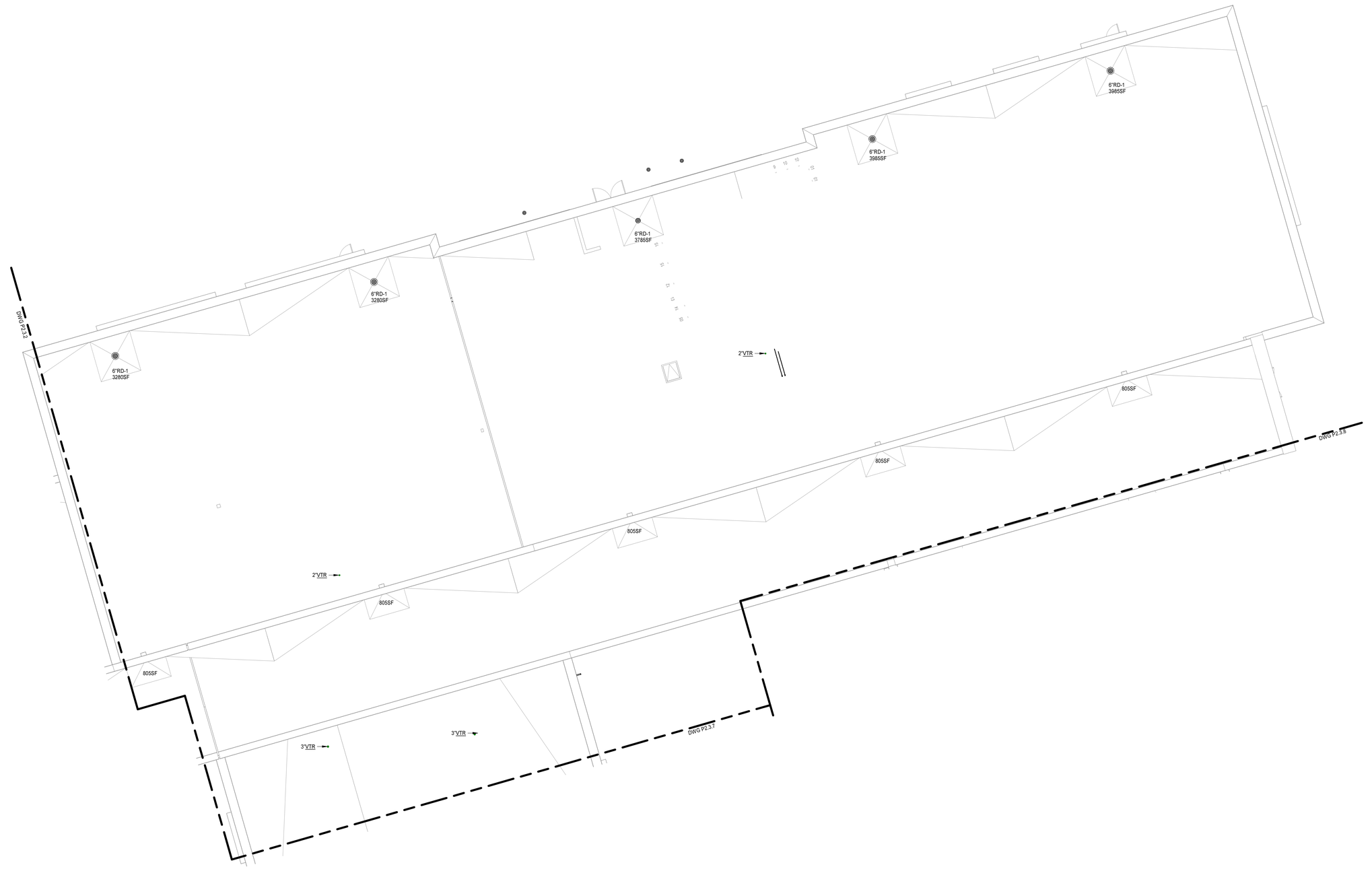
KEY PLAN

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 043951 DAVID L. THAXTON

MOSELEYARCHITECTS

911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0091

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ROOF PLAN - PLUMBING - AREA F

1/8" = 1'-0"

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PHONE (919) 840-0091
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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER BRITTON T WHITFIELD

F

KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

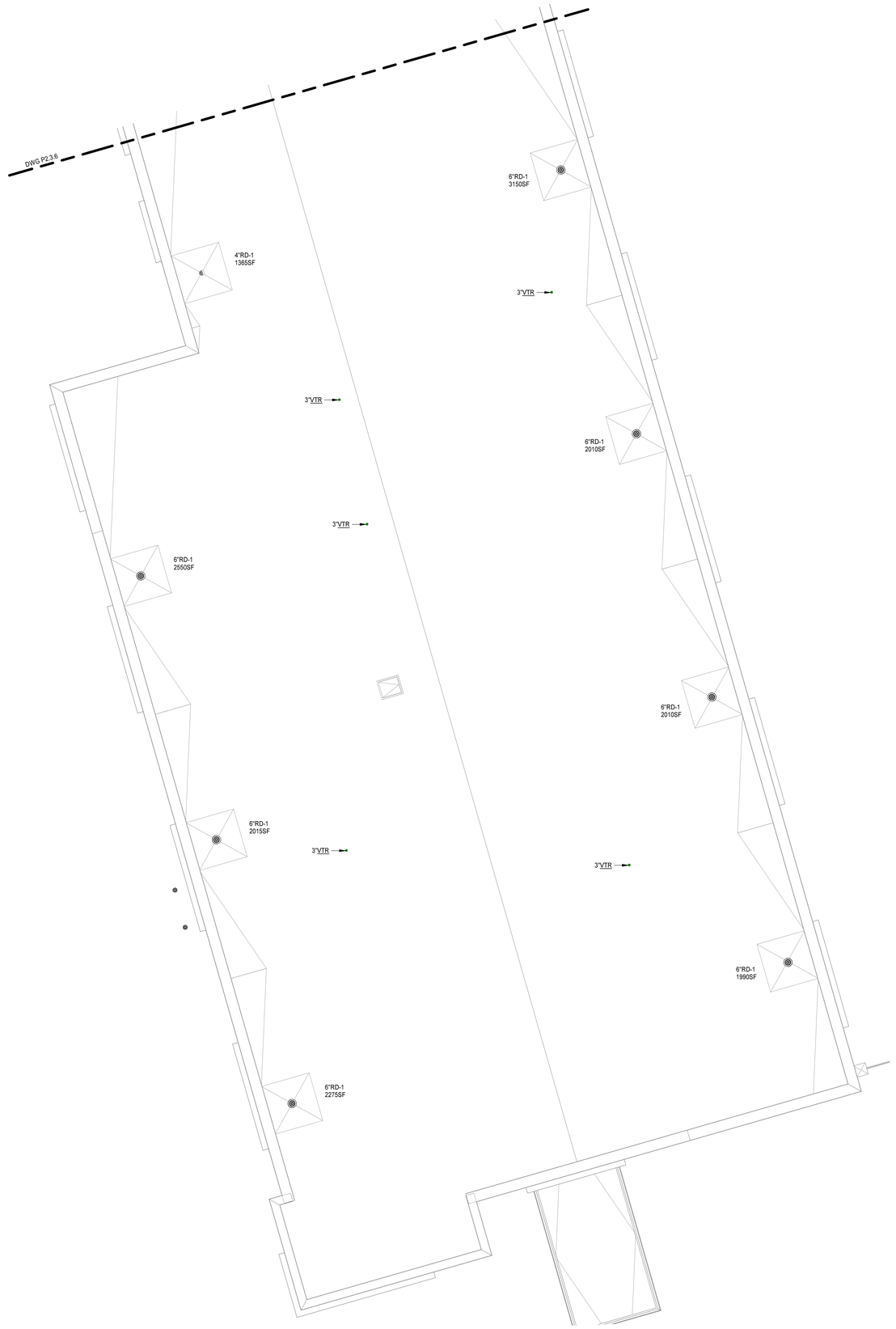
PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

ROOF PLAN - PLUMBING - AREA F

P2.3.6

8/2/2024 7:46:59 AM



N

ROOF PLAN - PLUMBING - AREA G

1/8" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER PATRICK T WHITFIELD



KEY PLAN

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

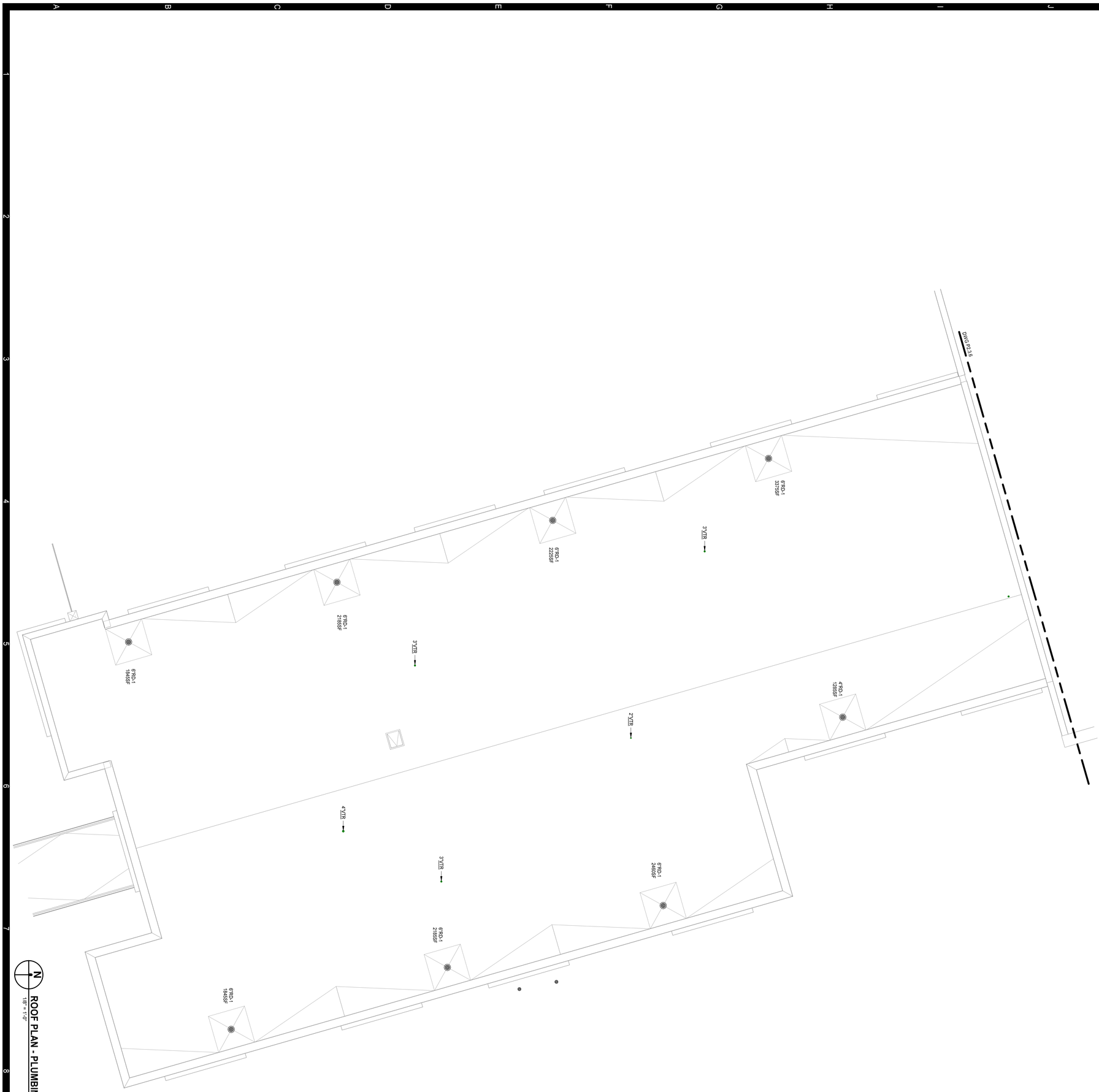
REVISIONS	
DATE	DESCRIPTION

ROOF PLAN - PLUMBING - AREA G

P2.3.7

8/2/2024 7:47:04 AM

8/2/2024 7:47:09 AM



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
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KEY PLAN



NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043951 DANIEL J. WHITLEY

MOSELEYARCHITECTS

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PHONE (919) 840-0091

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PROJECT NO. 6313131
DATE AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

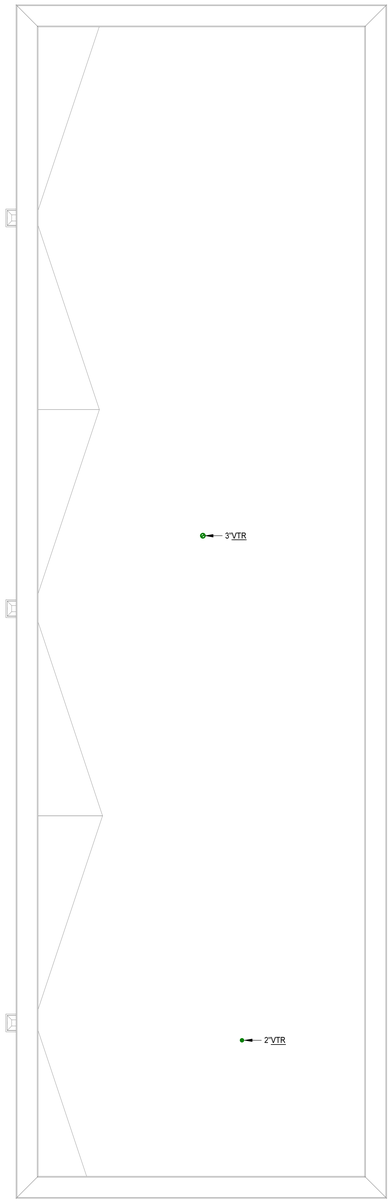
ROOF PLAN - PLUMBING - AREA H

P2.3.8

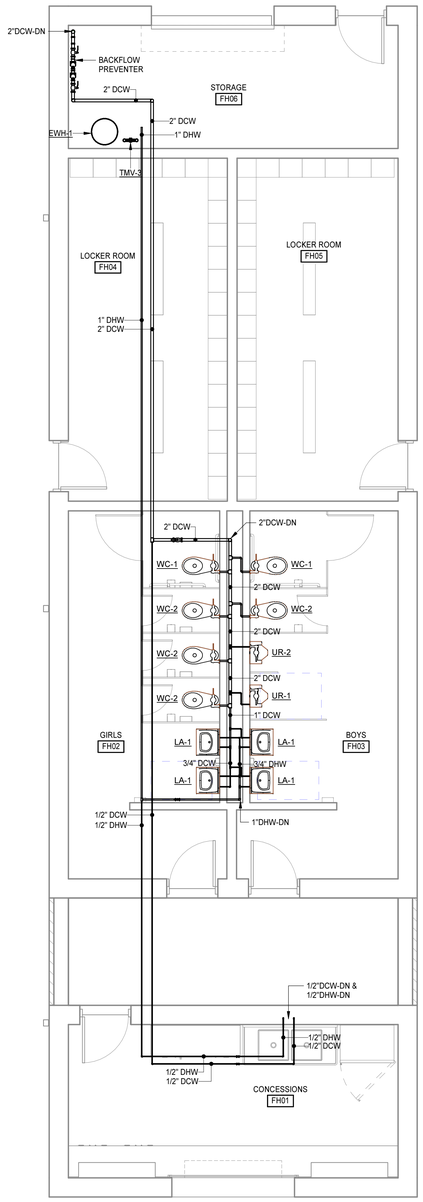
KEYNOTES

APPLIES TO DRAWINGS P2.4
REPRESENTED BY: n

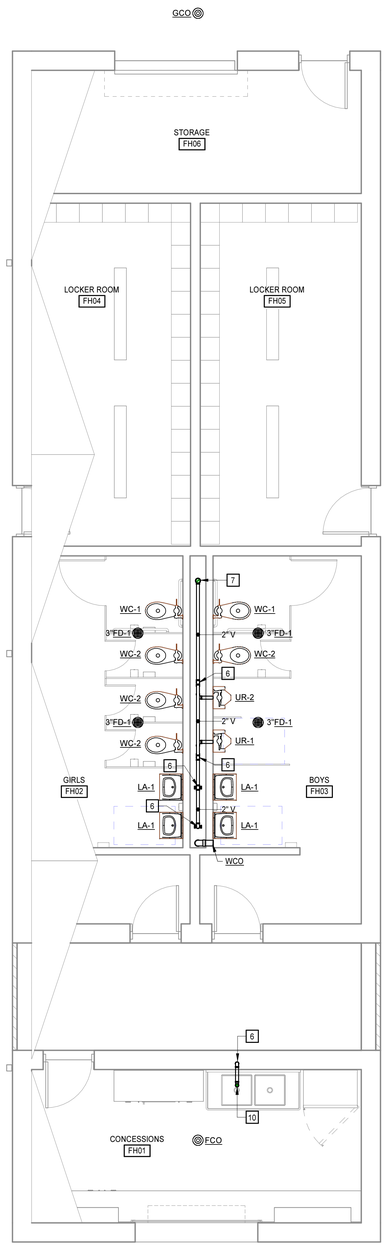
1. 4"SAN-UP TO WATER CLOSET.
2. 2"SAN-UP TO LAVATORY.
3. 2"SAN-UP TO URINAL.
4. 2"SAN-UP TO SINK.
5. 3"SAN PTRAP-UP TO FLOOR DRAIN.
6. 2"V-DN TO 2"SAN-DN.
7. 3"V-UP TO 3"VTR.
8. SANITARY UP TO FLOOR CLEANOUT.
9. SANITARY UP TO WALL CLEANOUT.
10. 2"V-UP TO 2"VTR.



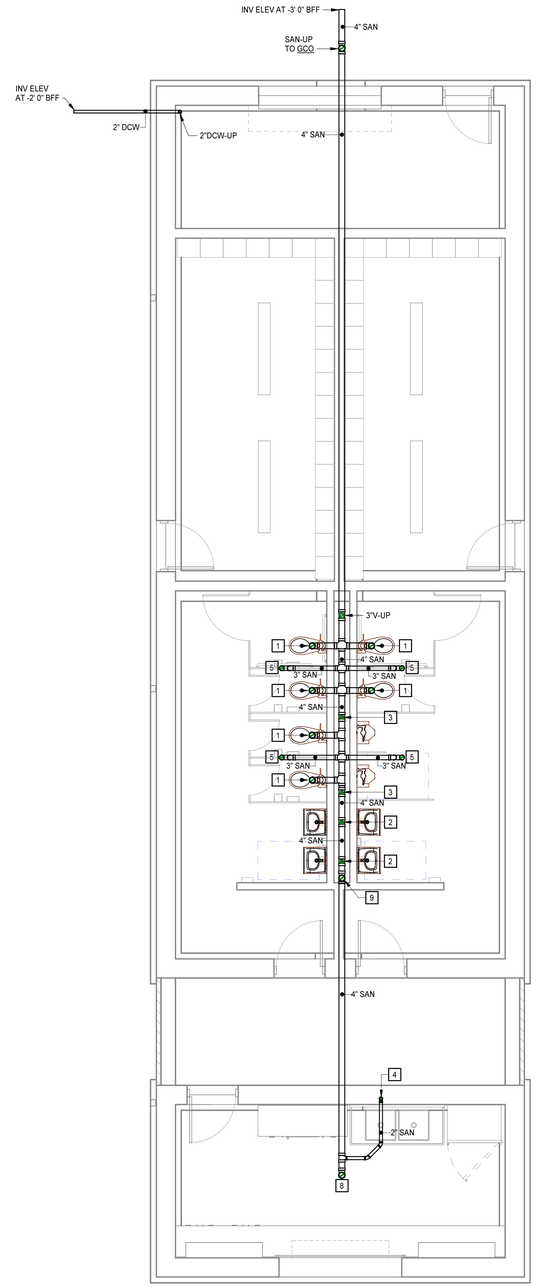
N
FIELD HOUSE ROOF PLAN
1/4" = 1'-0"



N
FIELD HOUSE FLOOR PLAN - DOMESTIC
1/4" = 1'-0"



N
FIELD HOUSE FLOOR PLAN - SANITARY
1/4" = 1'-0"



N
FOUNDATION FIELD HOUSE PLAN - PLUMBING
1/4" = 1'-0"

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PHONE (919) 840-0091
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER MATTHEW T WHITE

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

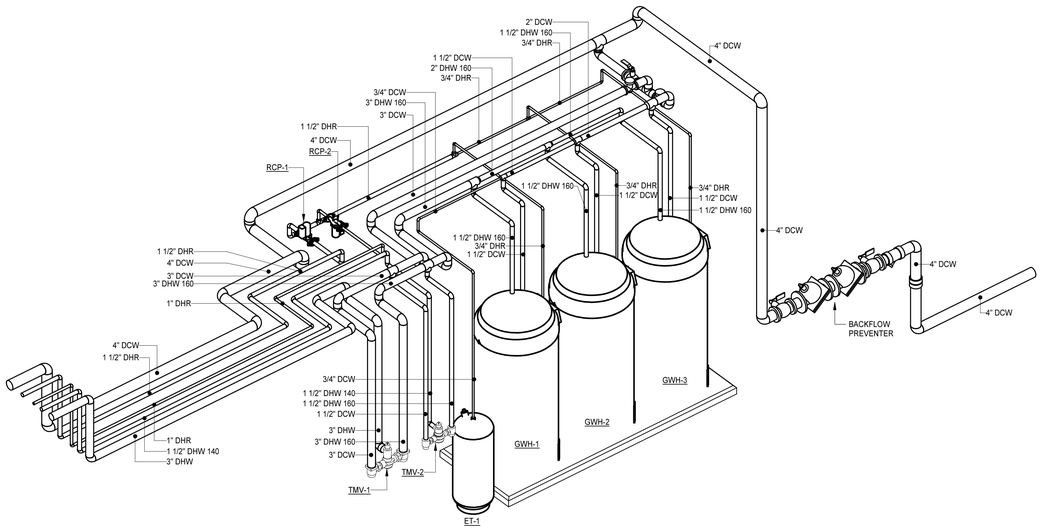
PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

FIELD HOUSE PLANS - PLUMBING

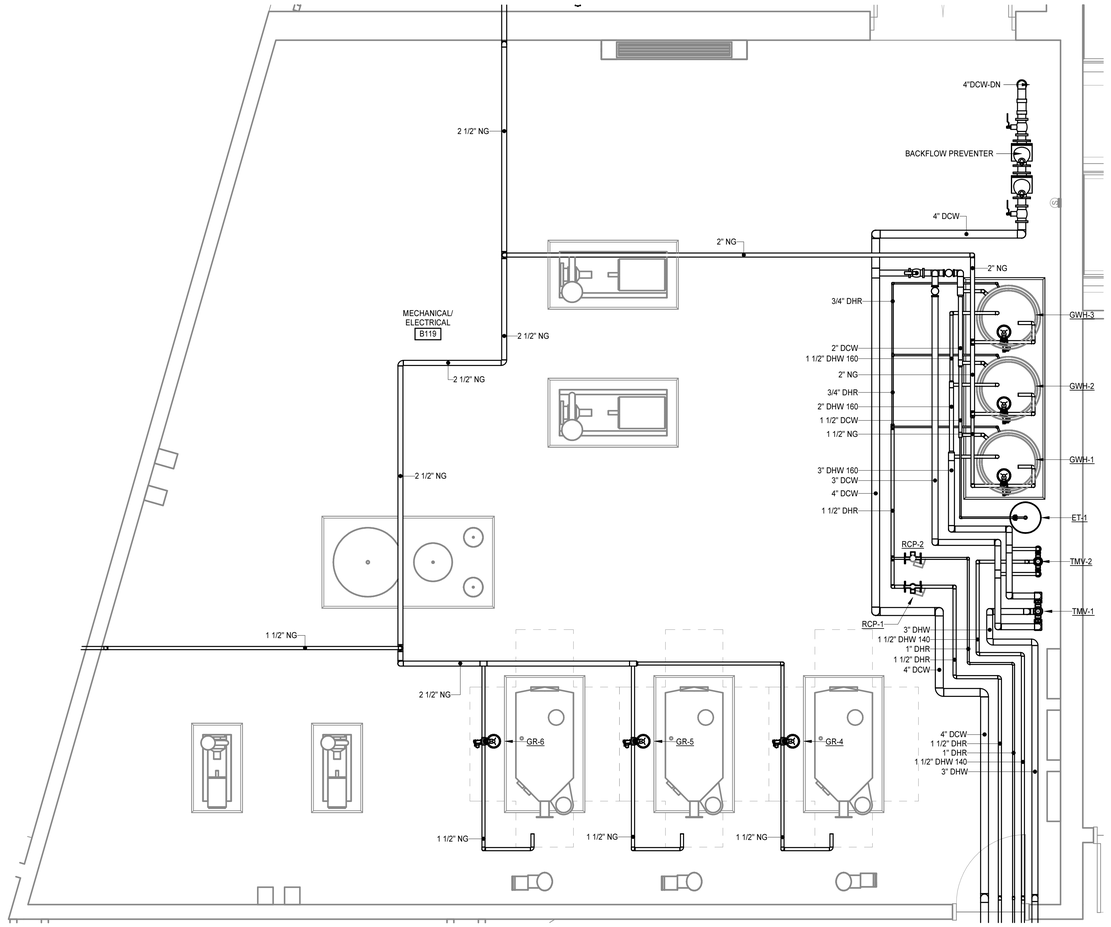
P2.4

8/2/2024 7:47:12 AM



DOMESTIC RISER DIAGRAM - MECHANICAL ROOM

NO SCALE



1 P2.1.10 P4.1 **ENLARGED PLAN - MECHANICAL ROOM - DOMESTIC**

3/8" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

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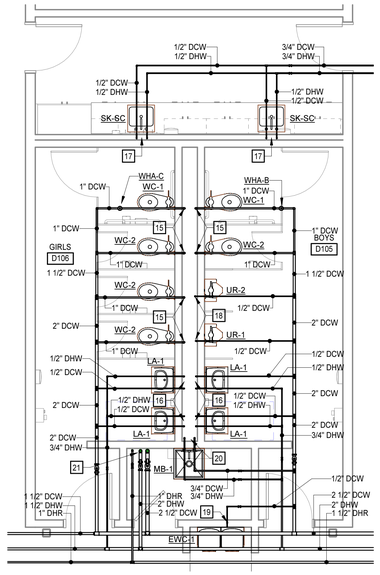
PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

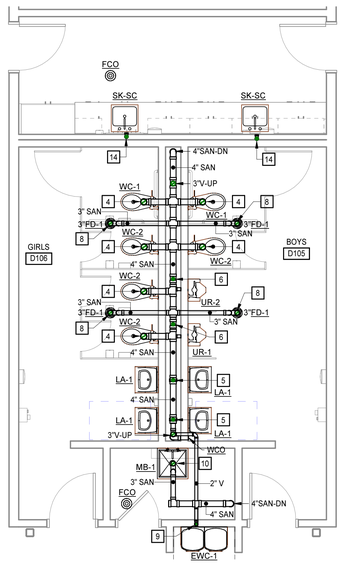
ENLARGED MECHANICAL ROOM PLAN

P4.1

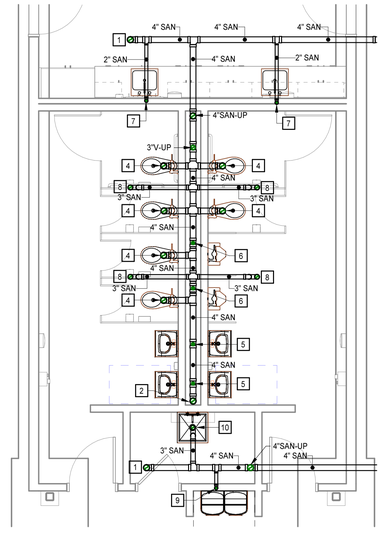
8/2/2024 7:47:15 AM



9 P2.1.12 | P4.2 **ENLARGED DOMESTIC PLAN - D105 & D106**
1/4" = 1'-0"



8 P2.1.4 | P4.2 **ENLARGED SANITARY PLAN - D105 & D106**
1/4" = 1'-0"

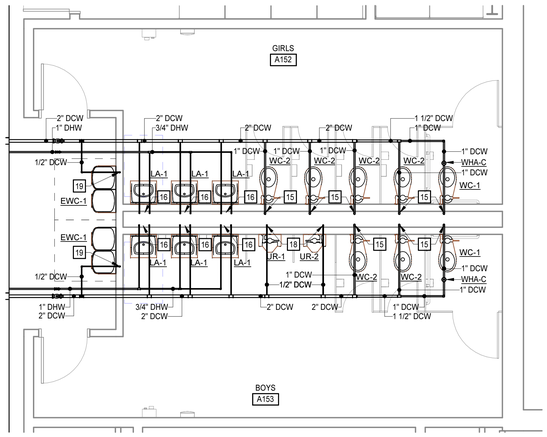


7 P2.0.4 | P4.2 **ENLARGED FOUNDATION PLAN - D105 & D106**
1/4" = 1'-0"

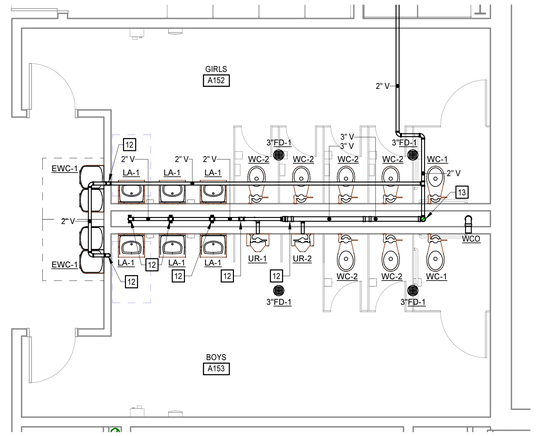
KEYNOTES

APPLIES TO DRAWINGS P4.2
REPRESENTED BY n

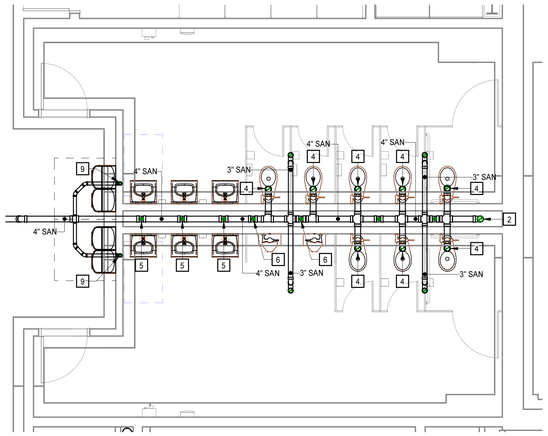
1. SANITARY UP TO FLOOR CLEANOUT.
2. SANITARY UP TO WALL CLEANOUT.
3. STORM DRAINGE UP TO FLOOR CLEANOUT.
4. 4"SAN-UP TO WATER CLOSET.
5. 2"SAN-UP TO LAVATORY.
6. 2"SAN-UP TO URINAL.
7. 2"SAN-UP TO SINK.
8. 3"SAN PTRAP-UP TO FLOOR DRAIN.
9. 2"SAN-UP TO DRINKING FOUNTAIN.
10. 3"SAN PTRAP-UP TO MOP BASIN.
11. 4"SD PTRAP-UP TO FLOOR DRAIN.
12. 2"V-DN TO 2"SAN-DN.
13. 3"V-UP TO 3"VTR.
14. 2"SAN-UP AND DN.
15. 1"DCW-DN TO WATER CLOSET.
16. 1/2"DCW AND 1/2"DHW-DN TO LAVATORY.
17. 1/2"DCW AND 1/2"DHW-DN TO SINK.
18. 1/2"DCW-DN TO URINAL.
19. 1/2"DCW-DN TO DRINKING FOUNTAIN.
20. 3/4"DCW AND 3/4"DHW-DN TO MOP BASIN.
21. 2 1/2"DCW, 2"DHW, AND 1"DHR-UP.



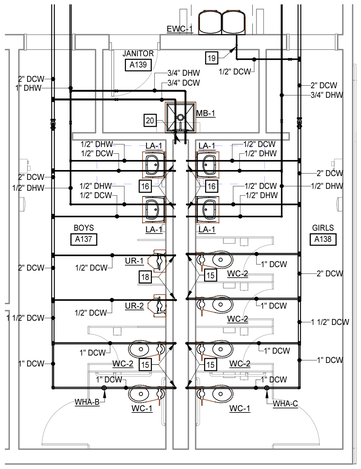
6 P2.1.9 | P4.2 **ENLARGED DOMESTIC PLAN - A152 & A153**
1/4" = 1'-0"



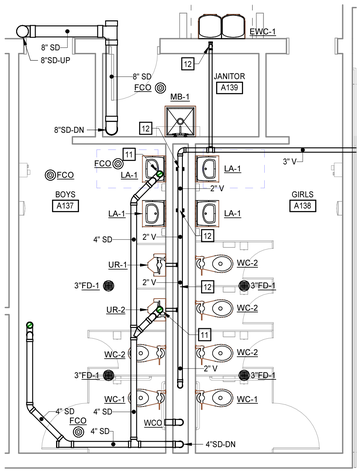
5 P2.1.1 | P4.2 **ENLARGED SANITARY PLAN - A152 & A153**
1/4" = 1'-0"



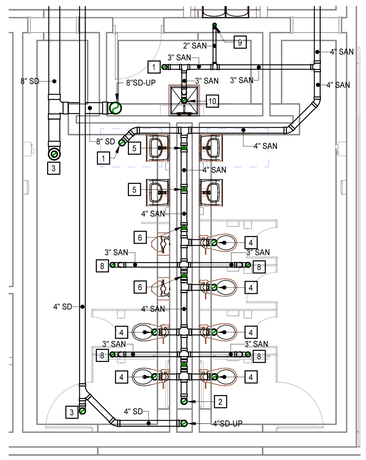
4 P2.0.1 | P4.2 **ENLARGED FOUNDATION PLAN - A152 & A153**
1/4" = 1'-0"



3 P2.1.9 | P4.2 **ENLARGED DOMESTIC PLAN - A137 & A138**
1/4" = 1'-0"



2 P2.1.1 | P4.2 **ENLARGED SANITARY PLAN - A137 & A138**
1/4" = 1'-0"



1 P2.0.1 | P4.2 **ENLARGED FOUNDATION PLAN - A137 & A138**
1/4" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

ENLARGED PLANS

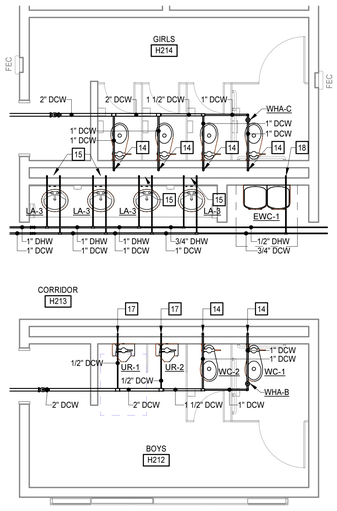
P4.2

8/2/2024 7:47:24 AM

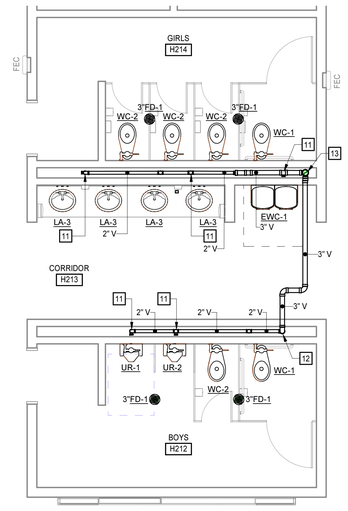
KEYNOTES

APPLIES TO DRAWINGS P4.3
REPRESENTED BY [n]

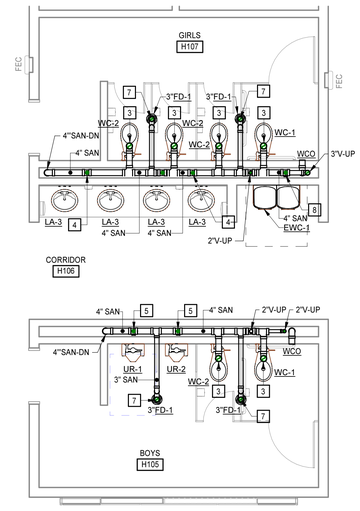
1. SANITARY UP TO FLOOR CLEANOUT.
2. SANITARY UP TO WALL CLEANOUT.
3. 4"SAN-UP TO WATER CLOSET.
4. 2"SAN-UP TO LAVATORY.
5. 2"SAN-UP TO URINAL.
6. 2"SAN-UP TO SINK.
7. 3"SAN PTRAP-UP TO FLOOR DRAIN.
8. 2"SAN-UP TO DRINKING FOUNTAIN.
9. 3"SAN PTRAP-UP TO MOP BASIN.
10. 2"SAN-UP AND DN.
11. 2"V-DN TO 2"SAN-DN.
12. 3"V-DN TO 2"V-DN.
13. 3"V-UP TO 3"VTR.
14. 1"DCW-DN TO WATER CLOSET.
15. 1/2"DCW AND 1/2"DHW-DN TO LAVATORY.
16. 1/2"DCW AND 1/2"DHW-DN TO SINK.
17. 1/2"DCW-DN TO URINAL.
18. 1/2"DCW-DN TO DRINKING FOUNTAIN.
19. 3/4"DCW AND 3/4"DHW-DN TO MOP BASIN.
20. 2 1/2"DCW, 2"DHW, AND 1"DHR-UP.



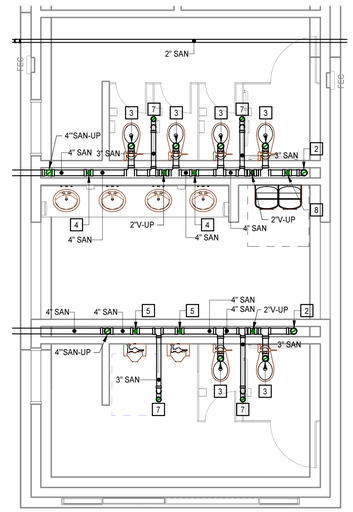
8 P2.2.13 P4.3 **ENLARGED DOMESTIC PLAN - AREA H SECOND FLOOR BATHROOM GROUP**
1/4" = 1'-0"



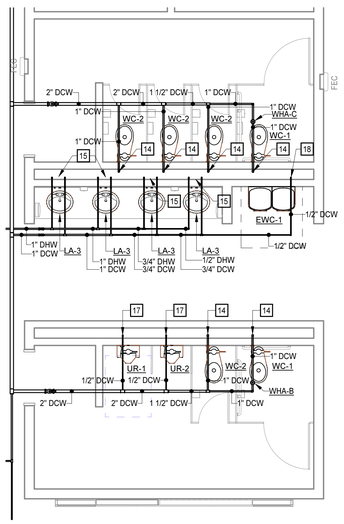
7 P2.2.7 P4.3 **ENLARGED SANITARY PLAN - AREA H SECOND FLOOR BATHROOM GROUP**
1/4" = 1'-0"



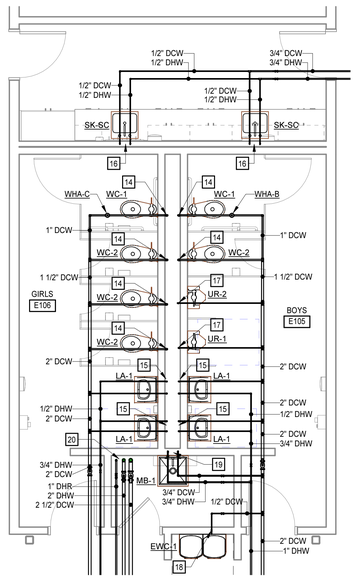
6 P2.1.8 P4.3 **ENLARGED SANITARY PLAN - AREA H BATHROOM GROUP**
1/4" = 1'-0"



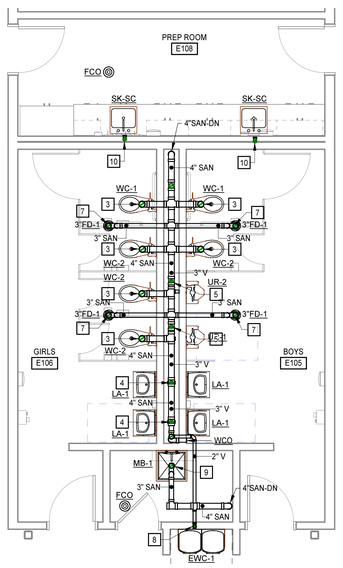
5 P2.0.8 P4.3 **ENLARGED FOUNDATION PLAN - AREA H BATHROOM GROUP**
1/4" = 1'-0"



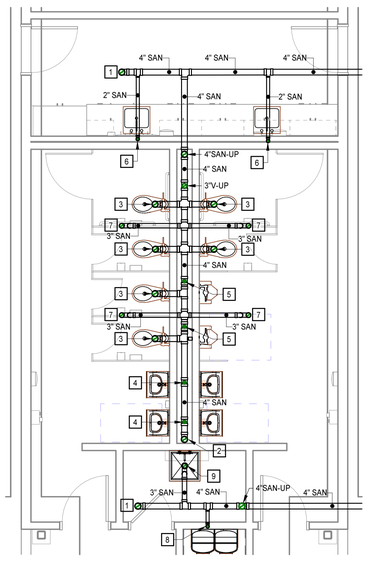
4 P2.1.16 P4.3 **ENLARGED DOMESTIC PLAN - AREA H BATHROOM GROUP**
1/4" = 1'-0"



3 P2.1.13 P4.3 **ENLARGED DOMESTIC PLAN - E105 & E106**
1/4" = 1'-0"



2 P2.1.5 P4.3 **ENLARGED SANITARY PLAN - E105 & E106**
1/4" = 1'-0"



1 P2.0.5 P4.3 **ENLARGED FOUNDATION PLAN - E105 & E106**
1/4" = 1'-0"

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Pender County Schools
Highway 210, Hampstead, NC 28443

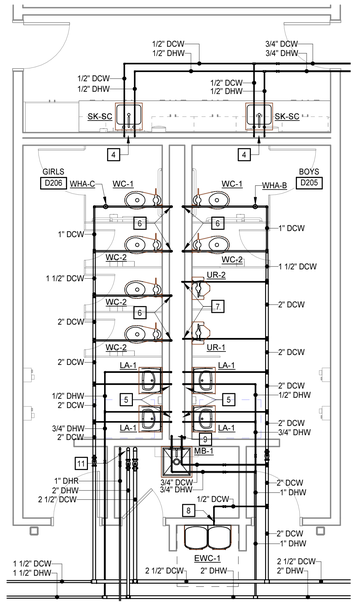
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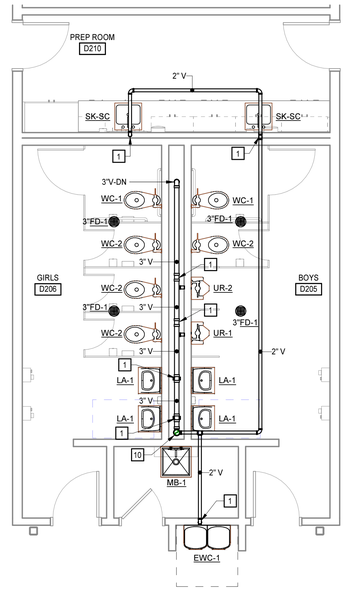
ENLARGED PLANS

P4.3

8/2/2024 7:47:32 AM



4 P2.2.9 P4.4 **ENLARGED DOMESTIC PLAN - D205 & D206**
1/4" = 1'-0"

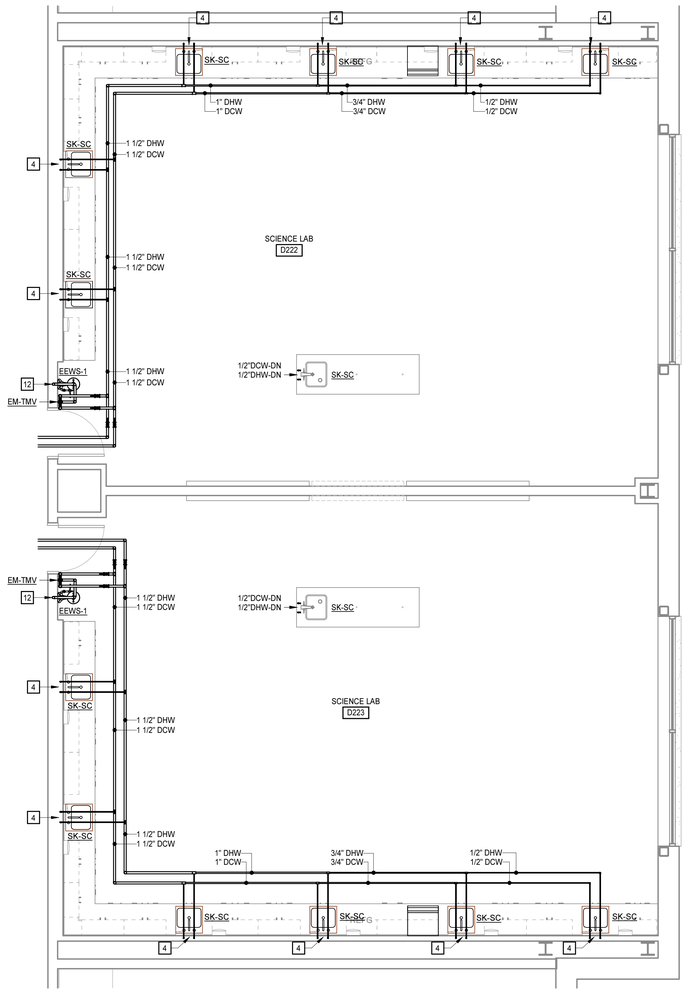


3 P2.2.3 P4.4 **ENLARGED SANITARY PLAN - D205 & D206**
1/4" = 1'-0"

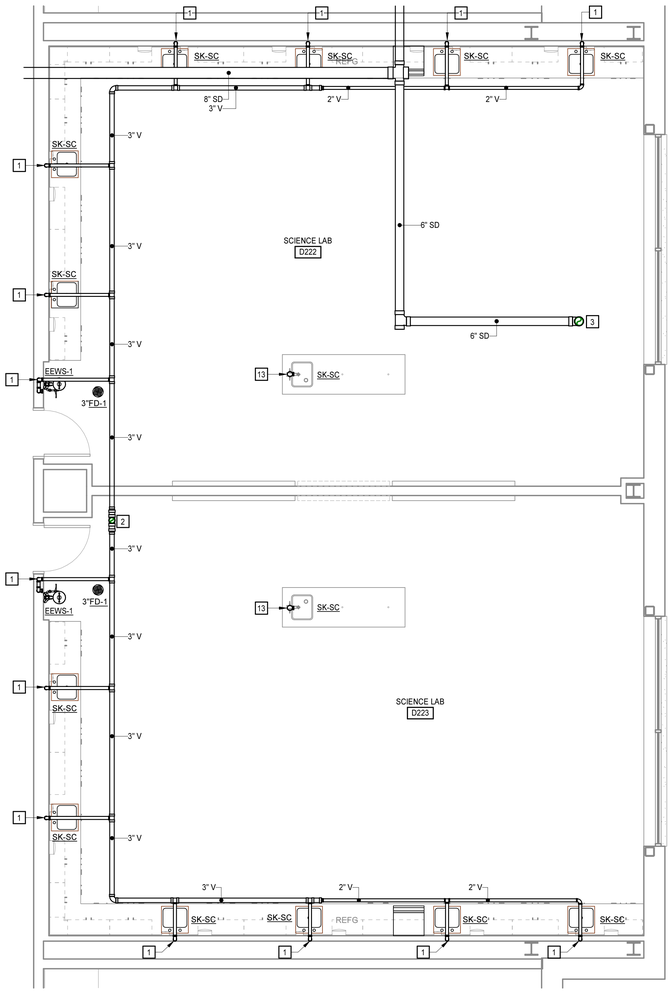
KEYNOTES

APPLIES TO DRAWINGS P4.4
REPRESENTED BY n

1. 2"V-DN TO 2"SAN-DN.
2. 3"V-UP TO 3"VTR.
3. 6"SD-UP TO ROOF DRAIN.
4. 1/2"DCW AND 1/2"DHW-DN TO SINK.
5. 1/2"DCW AND 1/2"DHW-DN TO LAVATORY.
6. 1"DCW-DN TO WATER CLOSET.
7. 1/2"DCW-DN TO URINAL.
8. 1/2"DCW-DN TO DRINKING FOUNTAIN.
9. 3/4"DCW AND 3/4"DHW-DN TO MOP BASIN.
10. 4"V-UP TO 4"VTR.
11. 2 1/2"DCW, 2"DHW, AND 1"DHR-DN.
12. 1 1/2"TEPID WATER DOWN TO EMERGENCY EYE WASH.
13. 2"AIR ADMITTANCE VALVE-DN TO 2"SAN-DN.



2 P2.2.9 P4.4 **ENLARGED DOMESTIC PLAN - D222 & D223**
1/4" = 1'-0"



1 P2.2.3 P4.4 **ENLARGED SANITARY PLAN - D222 & D223**
1/4" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

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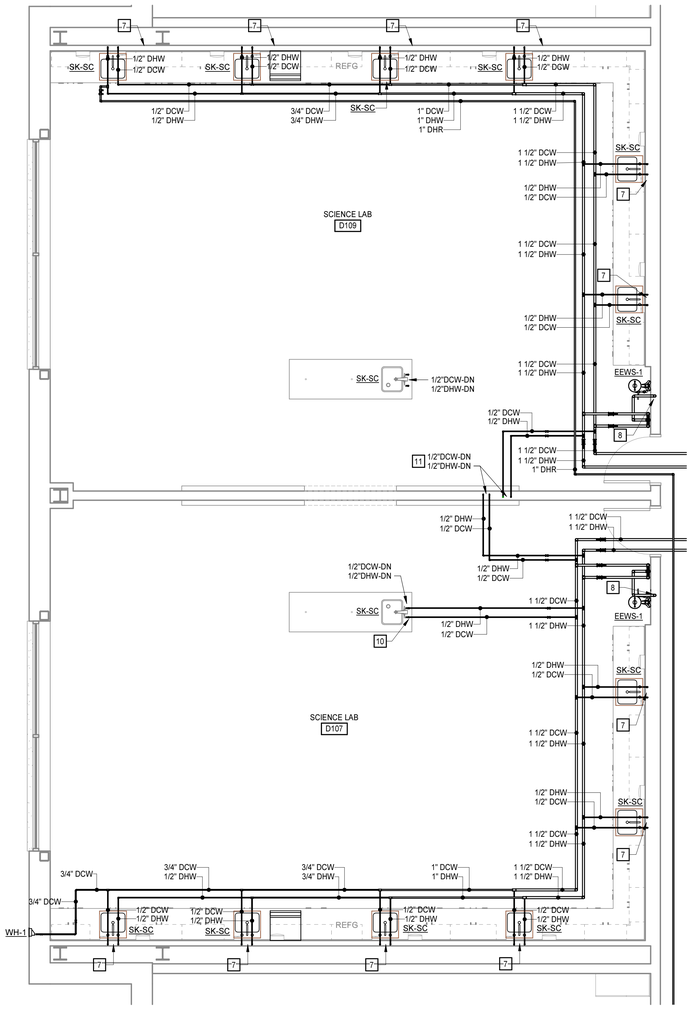
P4.4

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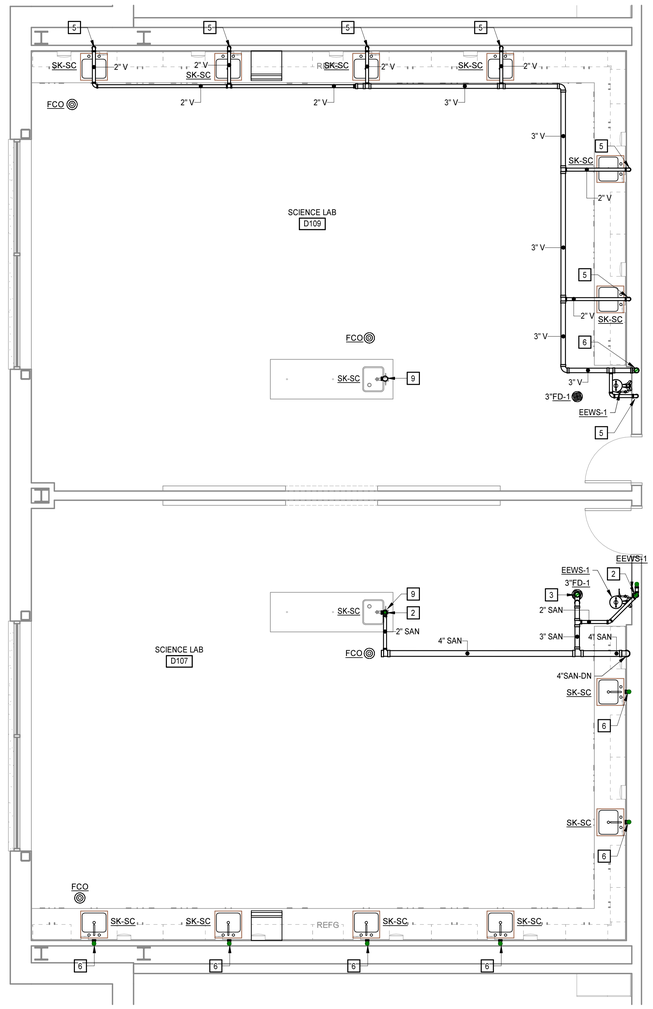
KEYNOTES

APPLIES TO DRAWINGS P4.5
REPRESENTED BY [n]

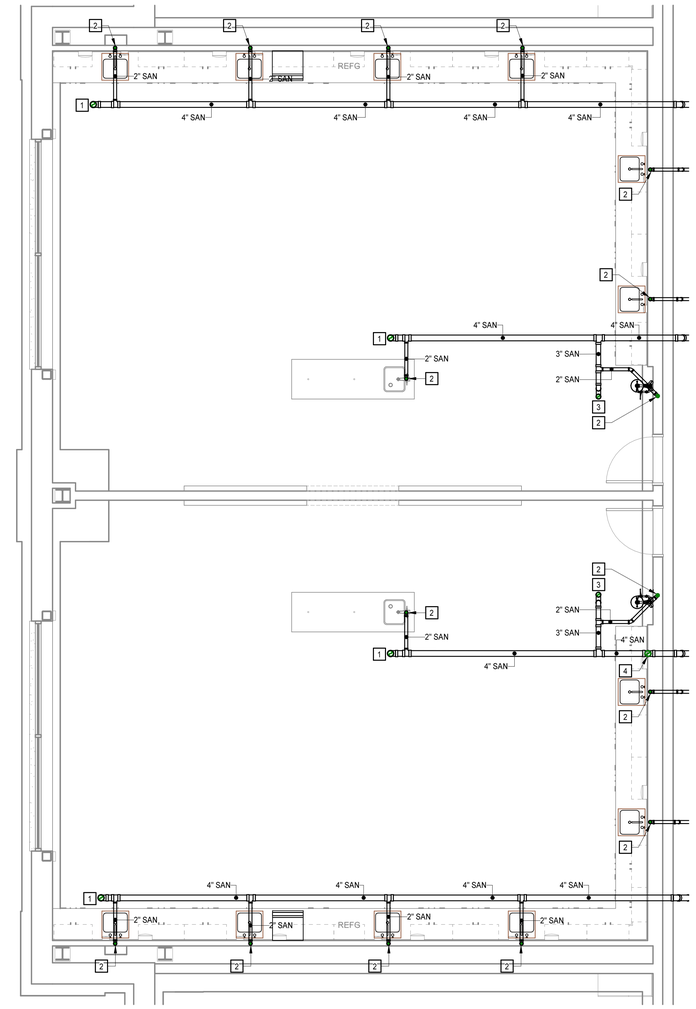
1. SANITARY UP TO FLOOR CLEANOUT.
2. 2"SAN-UP.
3. 3"SAN PTRAP-UP TO FLOOR DRAIN.
4. 4"SAN-UP.
5. 2"V-DN TO 2"SAN-DN.
6. 3"V-UP.
7. 1/2"DCW AND 1/2"DHW-DN TO SINK.
8. 1 1/2"TEPID WATER-DN.
9. 2"AIR ADMITTANCE VALVE-DN TO 2"SAN-DN.
10. 1/2"DCW AND 1/2"DHW-UP TO SINK.
11. DOMESTIC COLD AND HOT WATER PIPING TO BE ROUTED BELOW SLAB TO ISLAND SINK.



3 P2.1.12 P4.5 **ENLARGED DOMESTIC PLAN - D107 & D109**
1/4" = 1'-0"



2 P2.1.4 P4.5 **ENLARGED SANITARY PLAN - D107 & D109**
1/4" = 1'-0"



1 P2.0.4 P4.5 **ENLARGED FOUNDATION PLAN - D107 & D109**
1/4" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

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ENLARGED PLANS

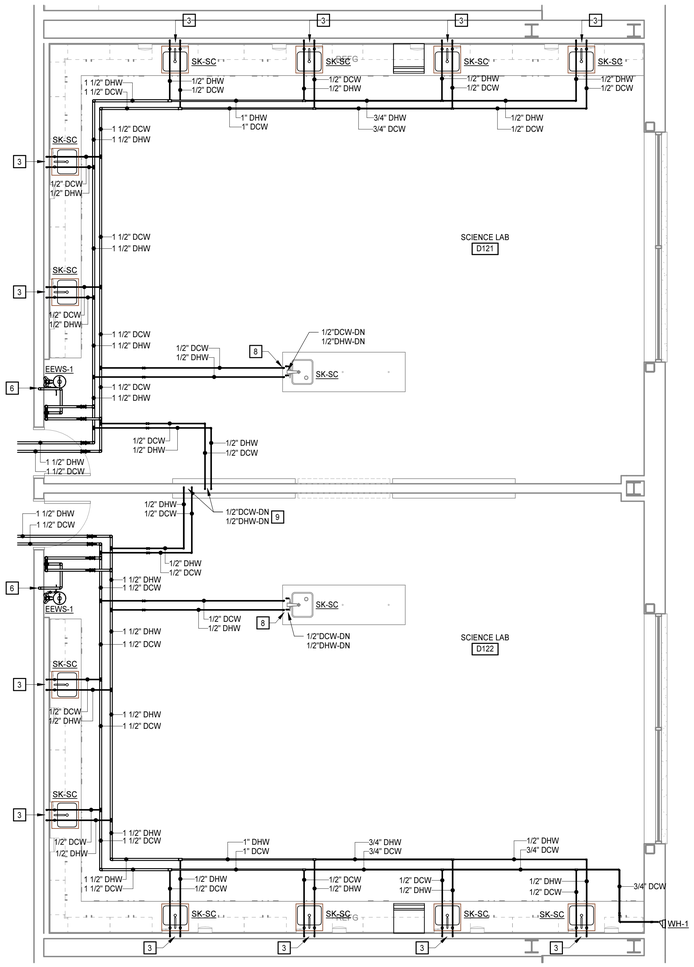
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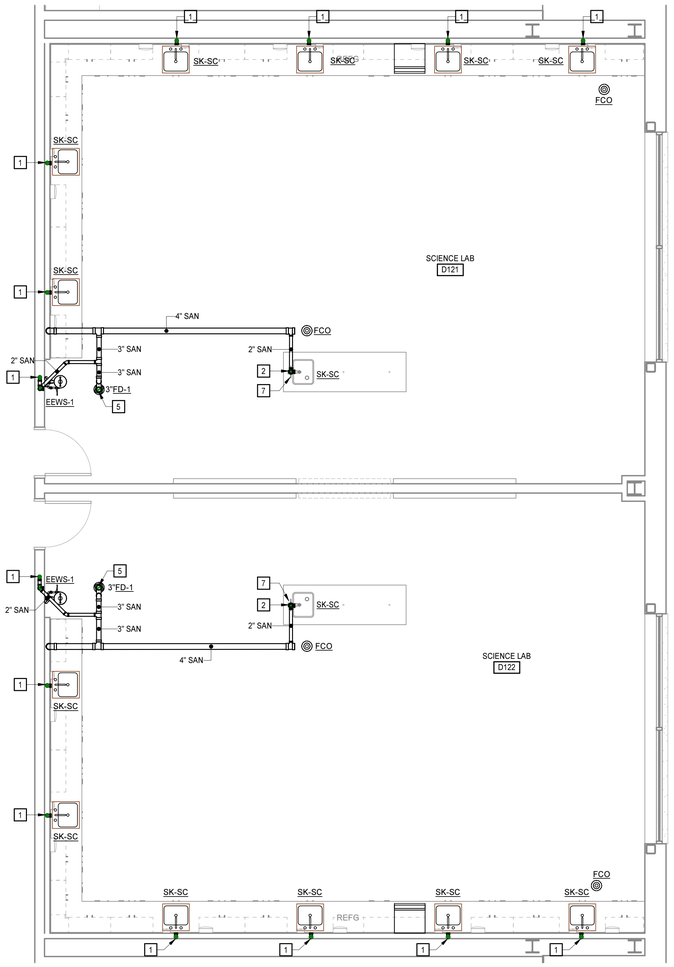
KEYNOTES

APPLIES TO DRAWINGS P4.6
REPRESENTED BY [n]

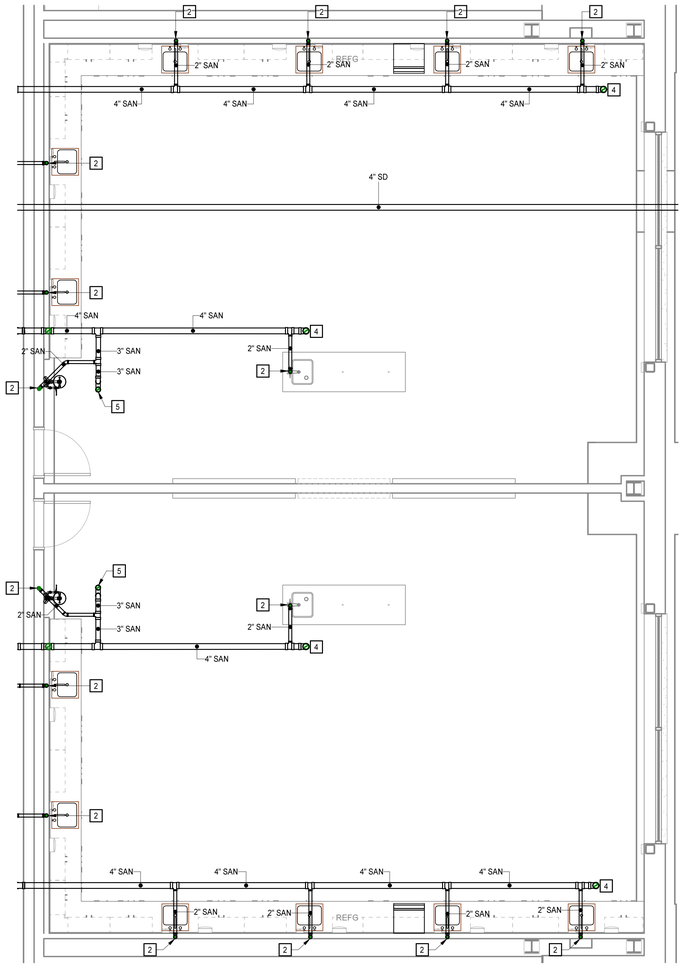
1. 2"SAN-UP AND DN.
2. 2"SAN-UP.
3. 1/2"DCW AND 1/2"DHW-DN TO SINK.
4. SANITARY UP TO FLOOR CLEANOUT.
5. 3"SAN PTRAP-UP TO FLOOR DRAIN.
6. 1 1/2"TEPID WATER-DN.
7. 2"AIR ADMITTANCE VALVE-DN TO 2"SAN-DN.
8. 1/2"DCW AND 1/2"DHW-UP TO SINK.
9. DOMESTIC HOT AND COLD WATER PIPING TO BE ROUTED BELOW SLAB TO ISLAND SINK.



3 P2.1.12 P4.6 **ENLARGED DOMESTIC PLAN - D121 & D122**
1/4" = 1'-0"



2 P2.1.4 P4.6 **ENLARGED SANITARY PLAN - D121 & D122**
1/4" = 1'-0"



1 P2.0.4 P4.6 **ENLARGED FOUNDATION PLAN - D121 & D122**
1/4" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
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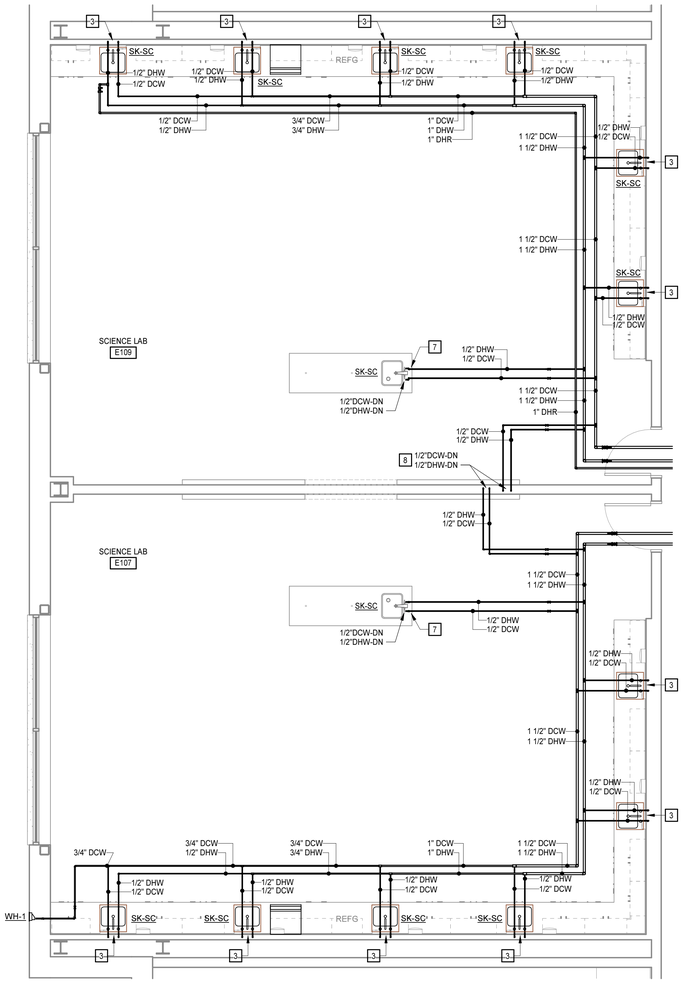
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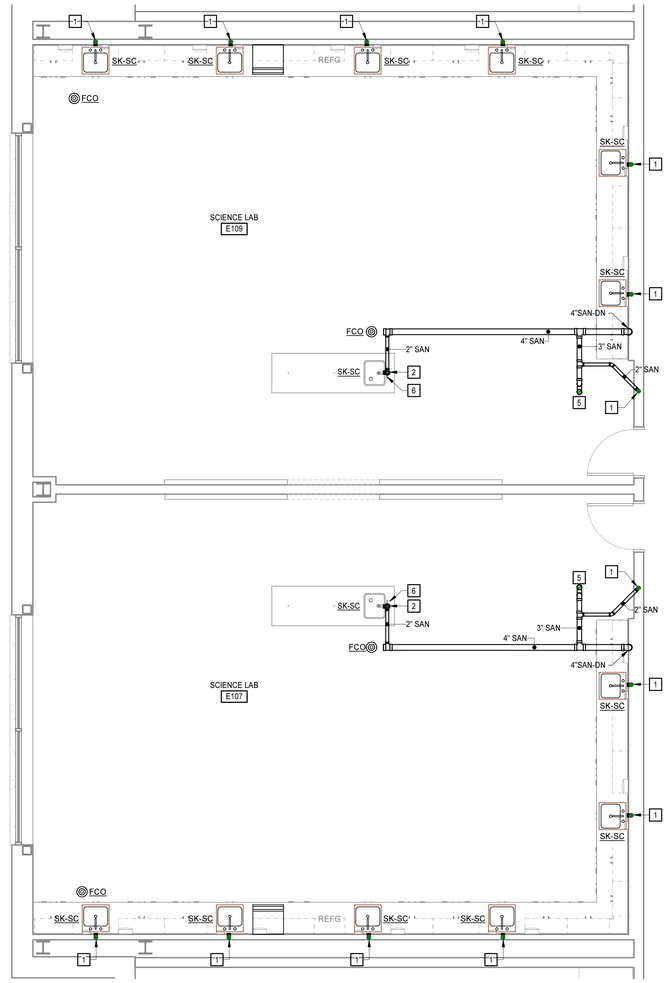
KEYNOTES

APPLIES TO DRAWINGS P4.6
REPRESENTED BY [n]

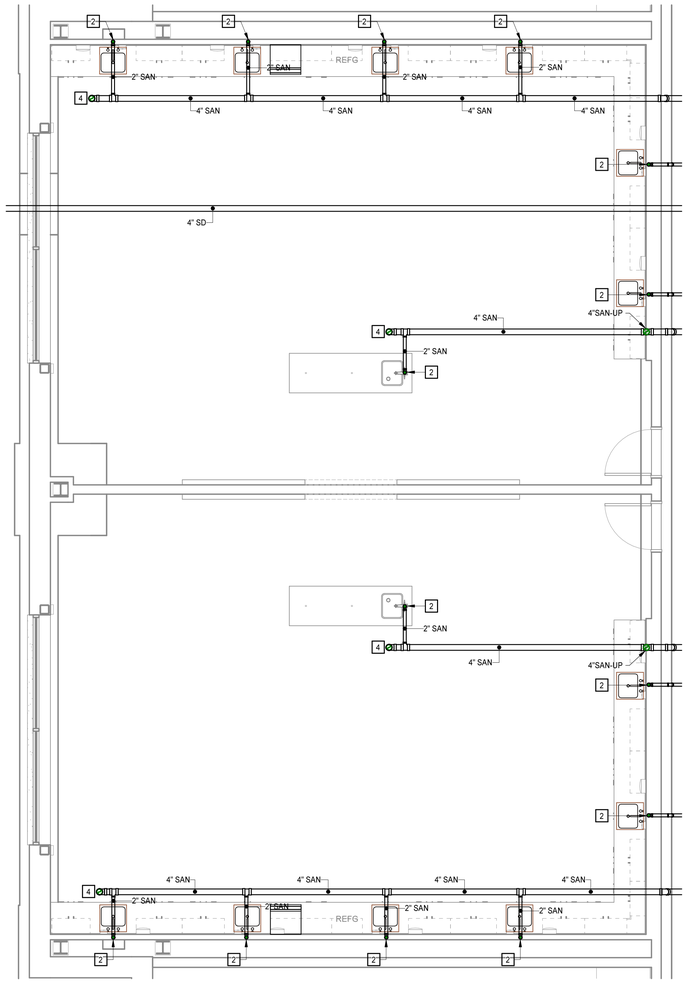
1. 2"SAN-UP AND DN.
2. 2"SAN-UP.
3. 1/2"DCW AND 1/2"DHW-DN TO SINK.
4. SANITARY UP TO FLOOR CLEANOUT.
5. 3"SAN PTRAP-UP TO FLOOR DRAIN.
6. 2"AIR ADMITTANCE VALVE-DN TO 2"SAN-DN.
7. 1/2"DCW AND 1/2"DHW-UP TO SINK.
8. DOMESTIC COLD AND HOT WATER PIPING TO BE ROUTED BELOW SLAB TO ISLAND SINK.



3 P2.1.13 P4.7 **ENLARGED DOMESTIC PLAN - E107 & E109**
1/4" = 1'-0"



2 P2.1.5 P4.7 **ENLARGED SANITARY PLAN - E107 & E109**
1/4" = 1'-0"



1 P2.0.5 P4.7 **ENLARGED FOUNDATION PLAN - E107 & E109**
1/4" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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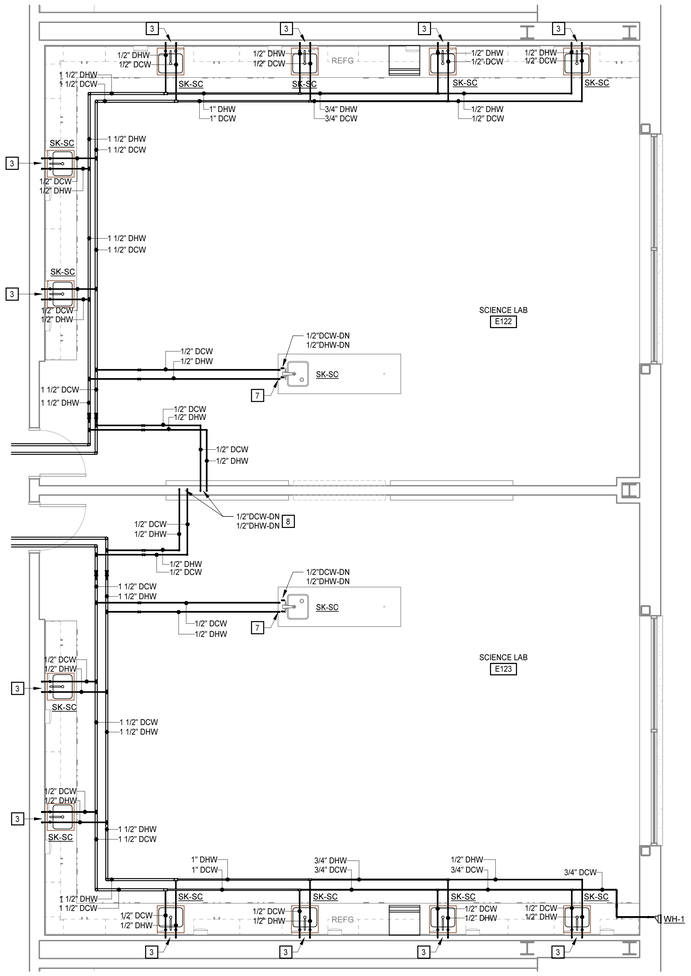
P4.7

8/2/2024 7:47:50 AM

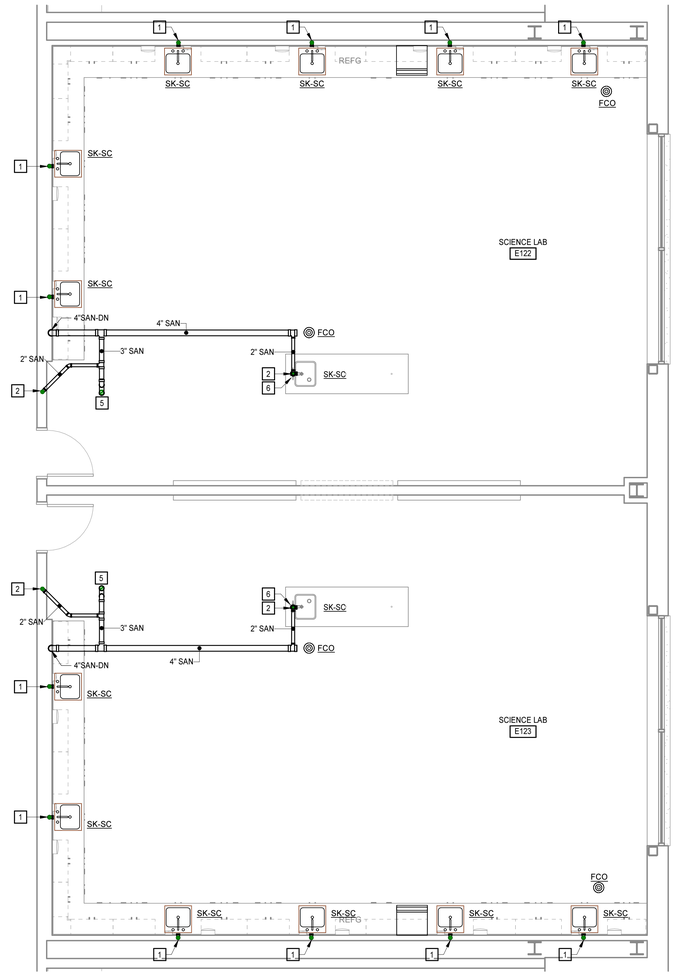
KEYNOTES

APPLIES TO DRAWINGS P4.6
REPRESENTED BY [n]

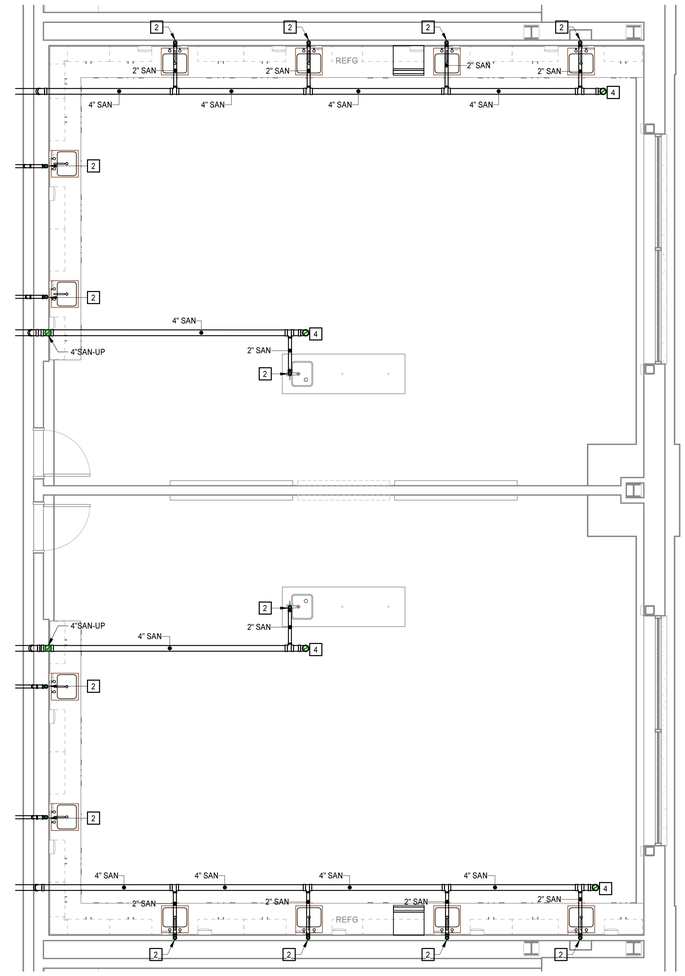
1. 2"SAN-UP AND DN.
2. 2"SAN-UP.
3. 1/2"DCW AND 1/2"DHW-DN TO SINK.
4. SANITARY UP TO FLOOR CLEANOUT.
5. 3"SAN PTRAP-UP TO FLOOR DRAIN.
6. 2"AIR ADMITTANCE VALVE-DN TO 2"SAN-DN.
7. 1/2"DCW AND 1/2"DHW-UP TO SINK.
8. DOMESTIC COLD AND HOT WATER PIPING TO BE ROUTED BELOW SLAB TO ISLAND SINK.



3 P2.1.13 P4.8 **ENLARGED DOMESTIC PLAN - E122 & E123**
1/4" = 1'-0"



2 P2.1.5 P4.8 **ENLARGED SANITARY PLAN - E122 & E123**
1/4" = 1'-0"



1 P2.0.5 P4.8 **ENLARGED FOUNDATION PLAN - E122 & E123**
1/4" = 1'-0"

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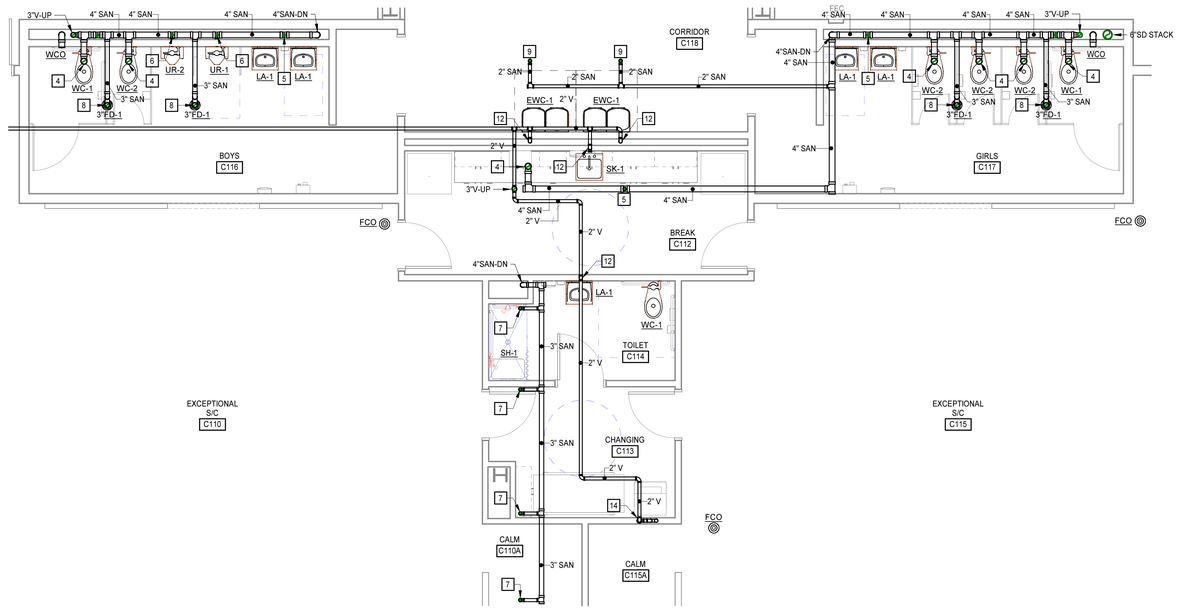
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P4.8

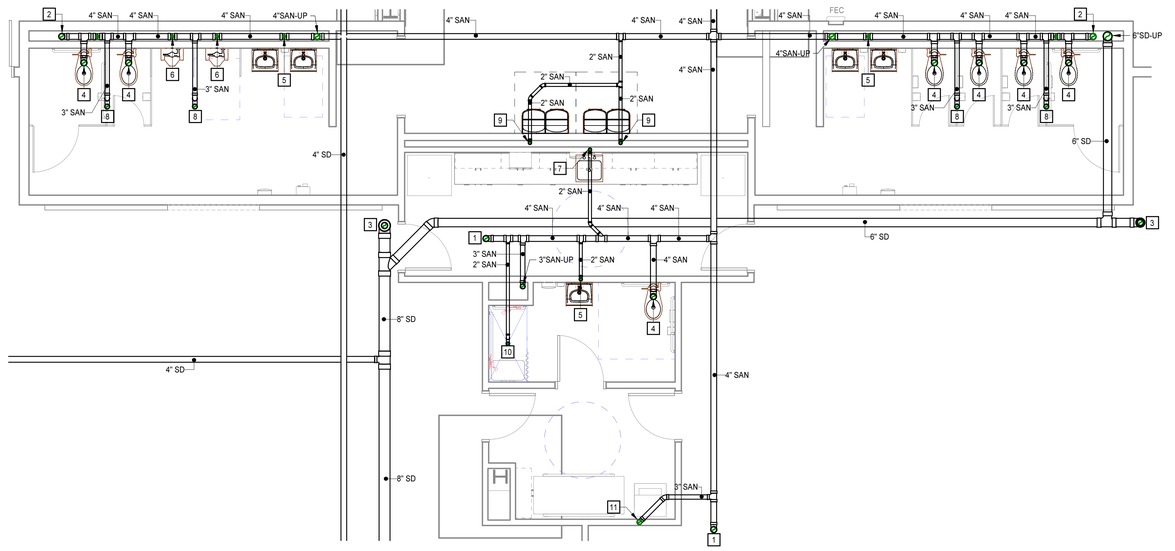
8/2/2024 7:47:54 AM



2 ENLARGED SANITARY PLAN - AREA C

P2.1.3 | P4.9

1/4" = 1'-0"



1 ENLARGED FOUNDATION PLAN - AREA C

P2.0.3 | P4.9

1/4" = 1'-0"

KEYNOTES

APPLIES TO DRAWINGS P4.9
REPRESENTED BY n

1. SANITARY UP TO FLOOR CLEANOUT.
2. SANITARY UP TO WALL CLEANOUT.
3. STORM DRAINAGE UP TO FLOOR CLEANOUT.
4. 4"SAN-UP TO WATER CLOSET.
5. 2"SAN-UP TO LAVATORY.
6. 2"SAN-UP TO URINAL.
7. 2"SAN-UP TO SINK.
8. 3"SAN PTRAP-UP TO FLOOR DRAIN.
9. 2"SAN-UP TO DRINKING FOUNTAIN.
10. 2"SAN PTRAP-UP TO SHOWER DRAIN.
11. 3"SAN-UP TO WASHER BOX.
12. 2"SAN-UP AND DN.
13. 2"V-DN TO 2"SAN-DN.
14. 3"V-DN TO 2"SAN-DN.

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER BRITTON T WHITE

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

ENLARGED PLANS

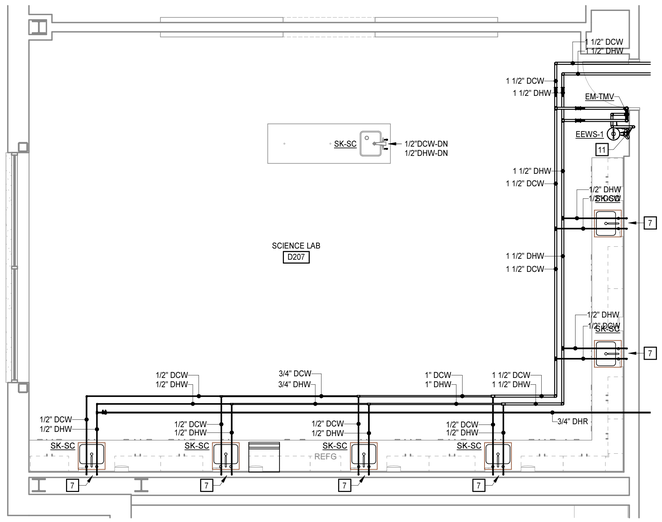
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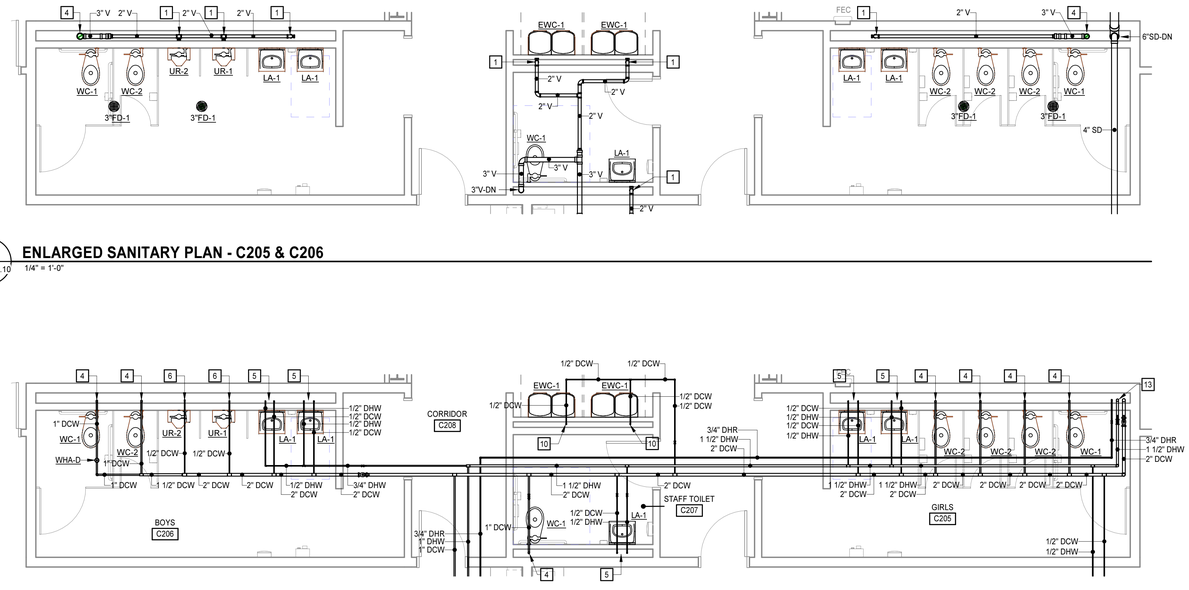
KEYNOTES

APPLIES TO DRAWINGS P4.10
REPRESENTED BY n

1. 2"V-DN TO 2"SAN-DN.
2. 4"V-UP TO 4"VTR.
3. 2"AIR ADMITTANCE VALVE-DN TO 2"SAN-DN.
4. 1"DCW-DN TO WATER CLOSET.
5. 1/2"DCW AND 1/2"DHW-DN TO LAVATORY.
6. 1/2"DCW-DN TO URINAL.
7. 1/2"DCW AND 1/2"DHW-DN TO SINK.
8. 1/2"DCW AND 1/2"DHW-DN TO SHOWER.
9. 3/4"DCW AND 3/4"DHW-DN TO WASHER BOX.
10. 1/2"DCW-DN TO DRINKING FOUNTAIN.
11. 1 1/2"TEPID WATER-DN.
12. 2"DCW, 1 1/2"DHW, AND 3/4"DHR-UP.
13. 2"DCW, 1 1/2"DHW, AND 3/4"DHR-DN.

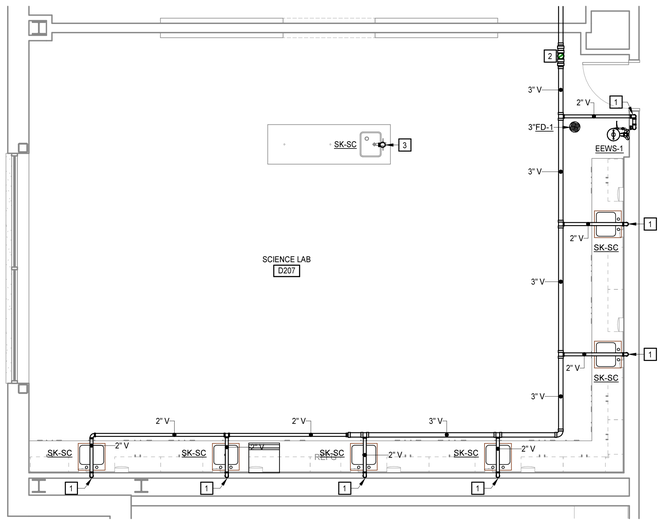


5 P2.2.9 P4.10 **ENLARGED DOMESTIC PLAN - D207**
1/4" = 1'-0"

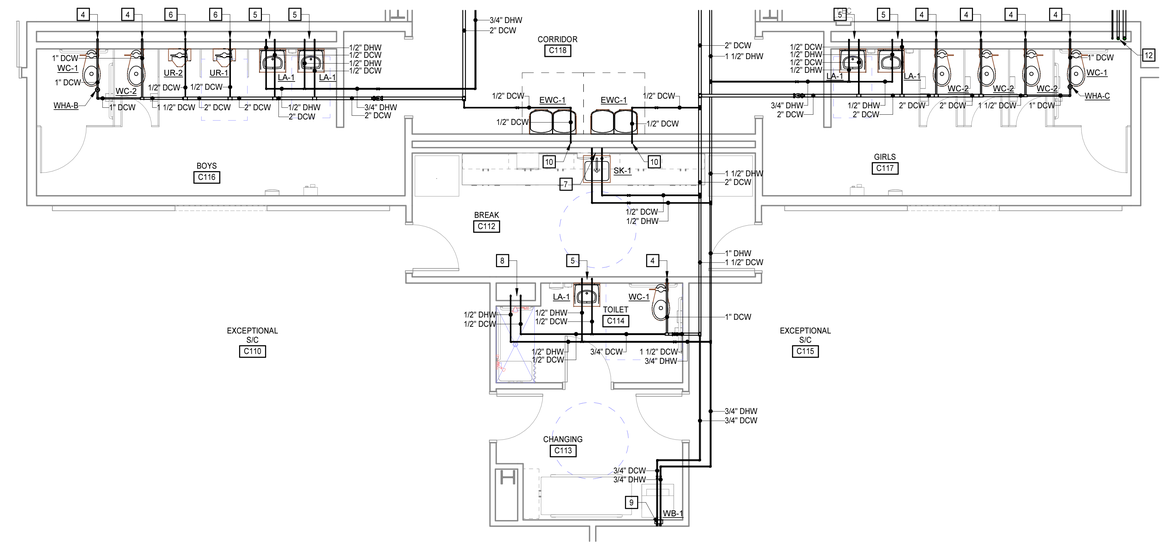


3 P2.2.2 P4.10 **ENLARGED SANITARY PLAN - C205 & C206**
1/4" = 1'-0"

2 P2.2.8 P4.10 **ENLARGED DOMESTIC PLAN - C205 & C206**
1/4" = 1'-0"



4 P2.2.3 P4.10 **ENLARGED SANITARY PLAN - D207**
1/4" = 1'-0"



1 P2.1.11 P4.10 **ENLARGED DOMESTIC PLAN - AREA C**
1/4" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
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ENLARGED PLANS

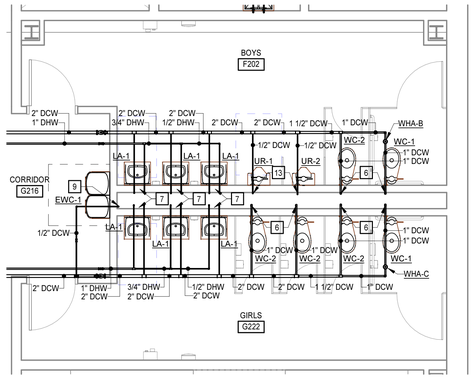
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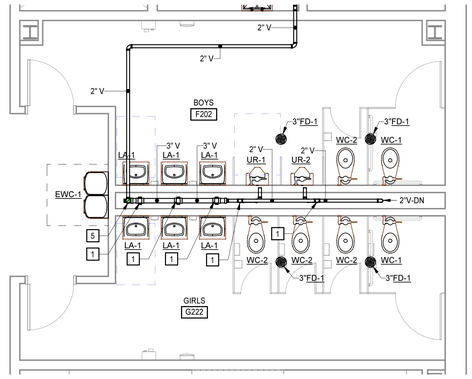
KEYNOTES

APPLIES TO DRAWINGS P4.11
REPRESENTED BY n

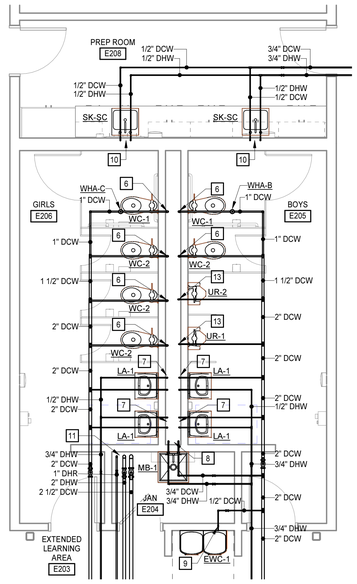
1. 2"V-DN TO 2"SAN-DN.
2. 4"V-UP TO 4"VTR
3. 6"SD-UP TO ROOF DRAIN.
4. 2"AIR ADMITTANCE VALVE-DN TO 2"SAN-DN.
5. 3"V-UP TO 3"VTR, AND 2"V-DN TO 2"SAN-DN.
6. 1"DCW-DN TO WATER CLOSET.
7. 1/2"DCW AND 1/2"DHW-DN TO LAVATORY.
8. 3/4"DCW AND 3/4"DHW-DN TO MOP BASIN.
9. 1/2"DCW-DN TO DRINKING FOUNTAIN.
10. 1/2"DCW AND 1/2"DHW-DN TO SINK.
11. 2 1/2"DCW, 2"DHW, AND 1"DHR-DN.
12. 1 1/2"TEPID WATER-DN.
13. 1/2"DCW-DN TO URINAL.



6 P2.2.11 P4.11 **ENLARGED DOMESTIC PLAN - F202 & G222**
1/4" = 1'-0"



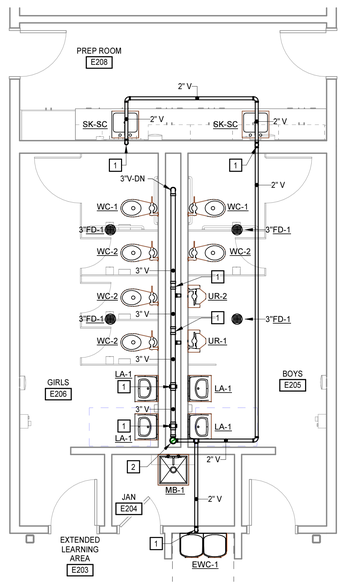
5 P2.2.5 P4.11 **ENLARGED SANITARY PLAN - F202 & G222**
1/4" = 1'-0"



2 P2.2.10 P4.11 **ENLARGED DOMESTIC PLAN - E205 & E206**
1/4" = 1'-0"

4 P2.2.10 P4.11 **ENLARGED DOMESTIC PLAN - E207 & E209**
1/4" = 1'-0"

3 P2.2.4 P4.11 **ENLARGED SANITARY PLAN - E207 & E209**
1/4" = 1'-0"



1 P2.2.4 P4.11 **ENLARGED SANITARY PLAN - E205 & E206**
1/4" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

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DATE	DESCRIPTION

ENLARGED PLANS

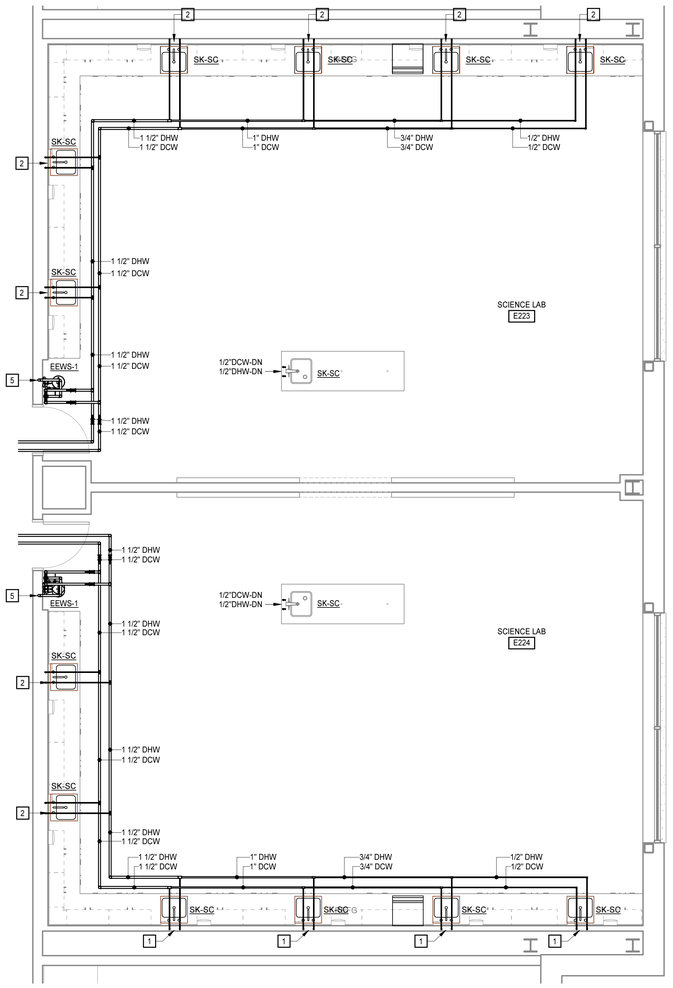
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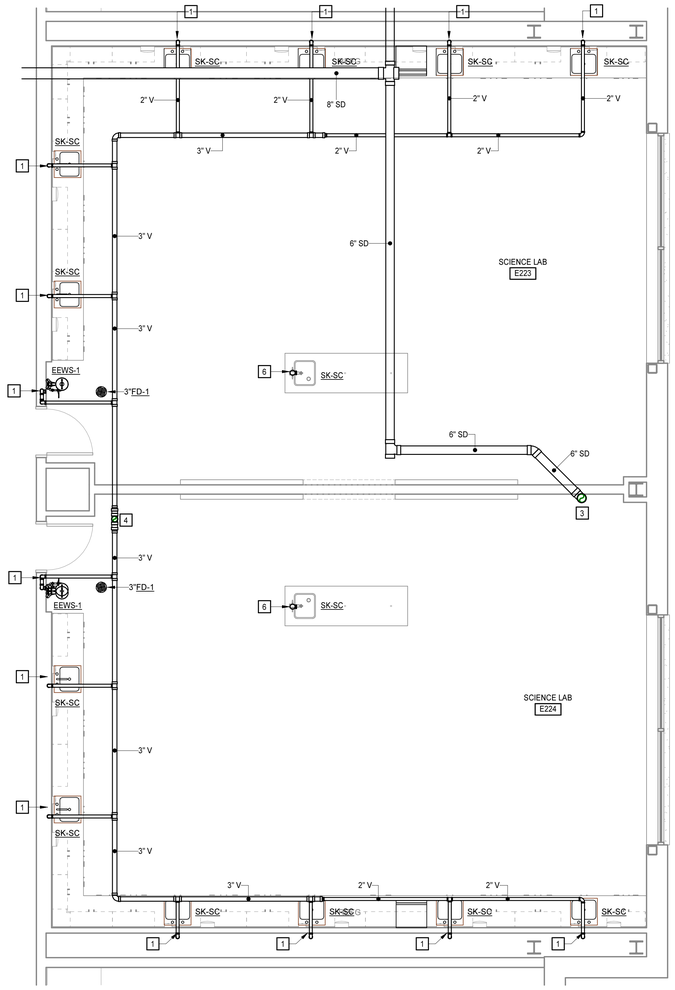
KEYNOTES

APPLIES TO DRAWINGS P4.12
REPRESENTED BY [n]

1. 2"V-DN TO 2"SAN-DN.
2. 1/2"DCW AND 1/2"DHW-DN TO SINK.
3. 6"SD-UP TO ROOF DRAIN.
4. 4"V-UP TO 4"VTR
5. 1 1/2"TEPID WATER DOWN TO EMERGENCY EYE WASH.
6. 2"AIR ADMITTANCE VALVE-DN TO 2"SAN-DN.



2 P2.2.10 P4.12 **ENLARGED DOMESTIC PLAN - E223 & E224**
1/4" = 1'-0"



1 P2.2.4 P4.12 **ENLARGED SANITARY PLAN - E223 & E224**
1/4" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

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DATE	DESCRIPTION

ENLARGED PLANS

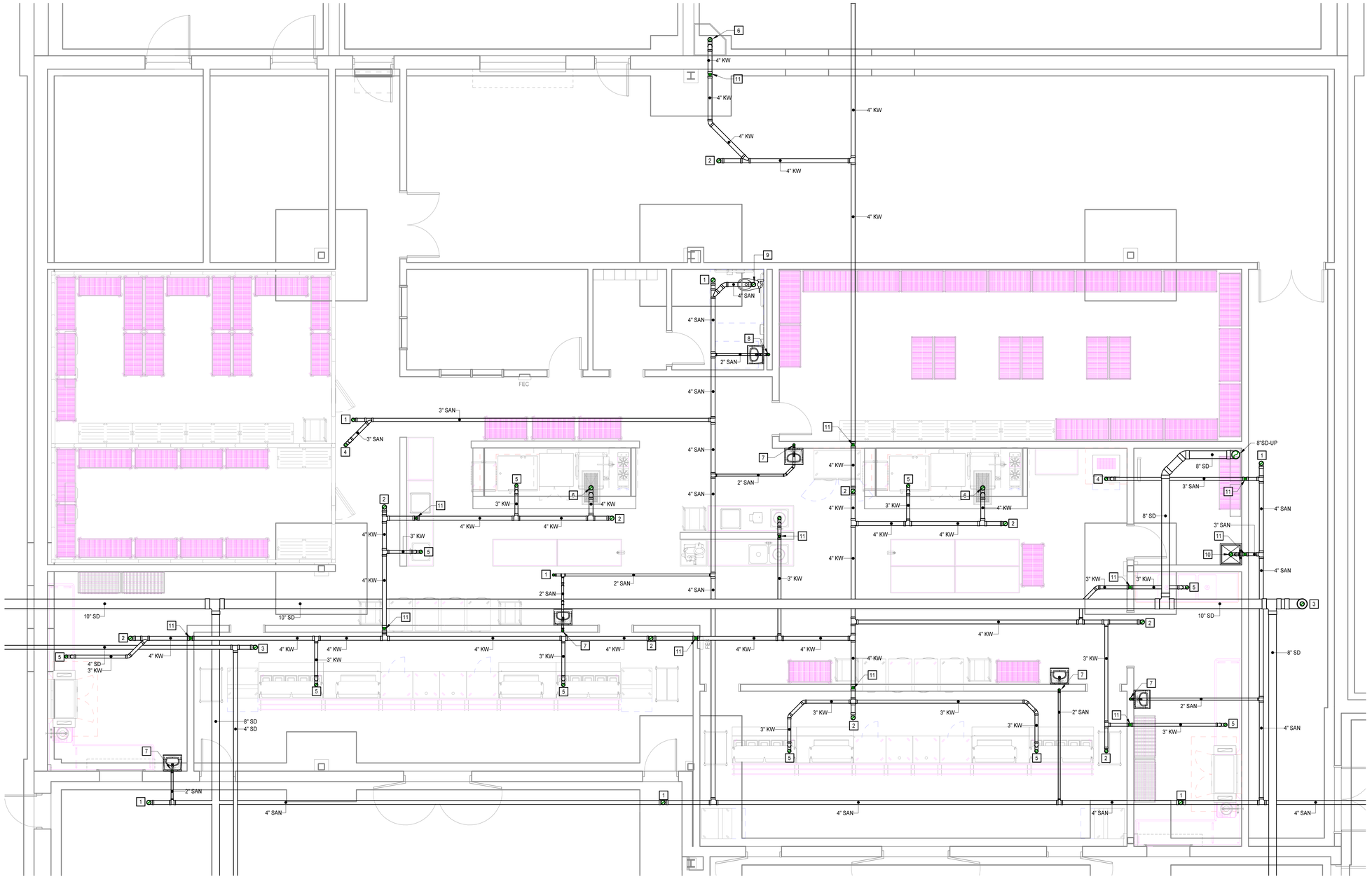
P4.12

8/2/2024 7:48:13 AM

KEYNOTES

APPLIES TO DRAWINGS P4.13
REPRESENTED BY: n

1. SANITARY UP TO FLOOR CLEANOUT.
2. KITCHEN WASTE UP TO FLOOR CLEANOUT.
3. STORM DRAINAGE UP TO FLOOR CLEANOUT.
4. 3"SAN PTRAP-UP.
5. 3"KW PTRAP-UP.
6. 4"KW PTRAP-UP.
7. 2"SAN-UP TO SINK.
8. 2"SAN-UP TO LAVATORY.
9. 4"SAN-UP TO WATER CLOSET.
10. 3"SAN PTRAP-UP TO MOP BASIN.
11. 2"V-UP.



1 P2.0.2 P4.13 **ENLARGED FOUNDATION PLAN - KITCHEN**
1/4" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
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ENLARGED PLANS

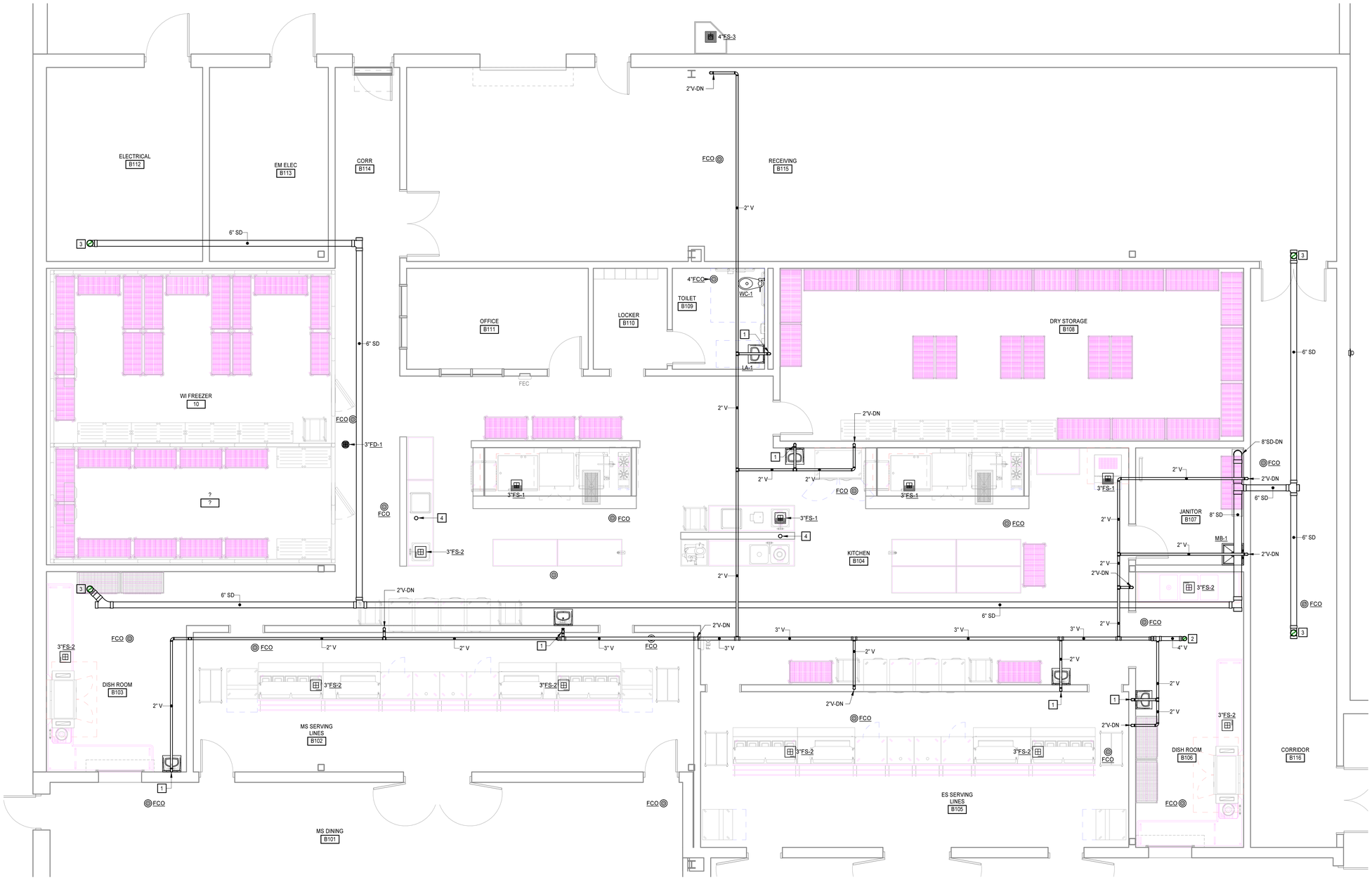
P4.13

8/2/2024 7:48:18 AM

KEYNOTES

APPLIES TO DRAWINGS P4.14
REPRESENTED BY n

1. 2"V-DN TO 2"SAN-DN.
2. 4"V-UP TO 4"VTR.
3. 6"SD-UP TO ROOF DRAIN.
4. 2"AIR ADMITTANCE VALVE-DN TO 2"SAN-DN.



1 P2.1.2 P4.14 **ENLARGED SANITARY PLAN - KITCHEN**
1/4" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER MATTHEW T WHITE

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

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ENLARGED PLANS

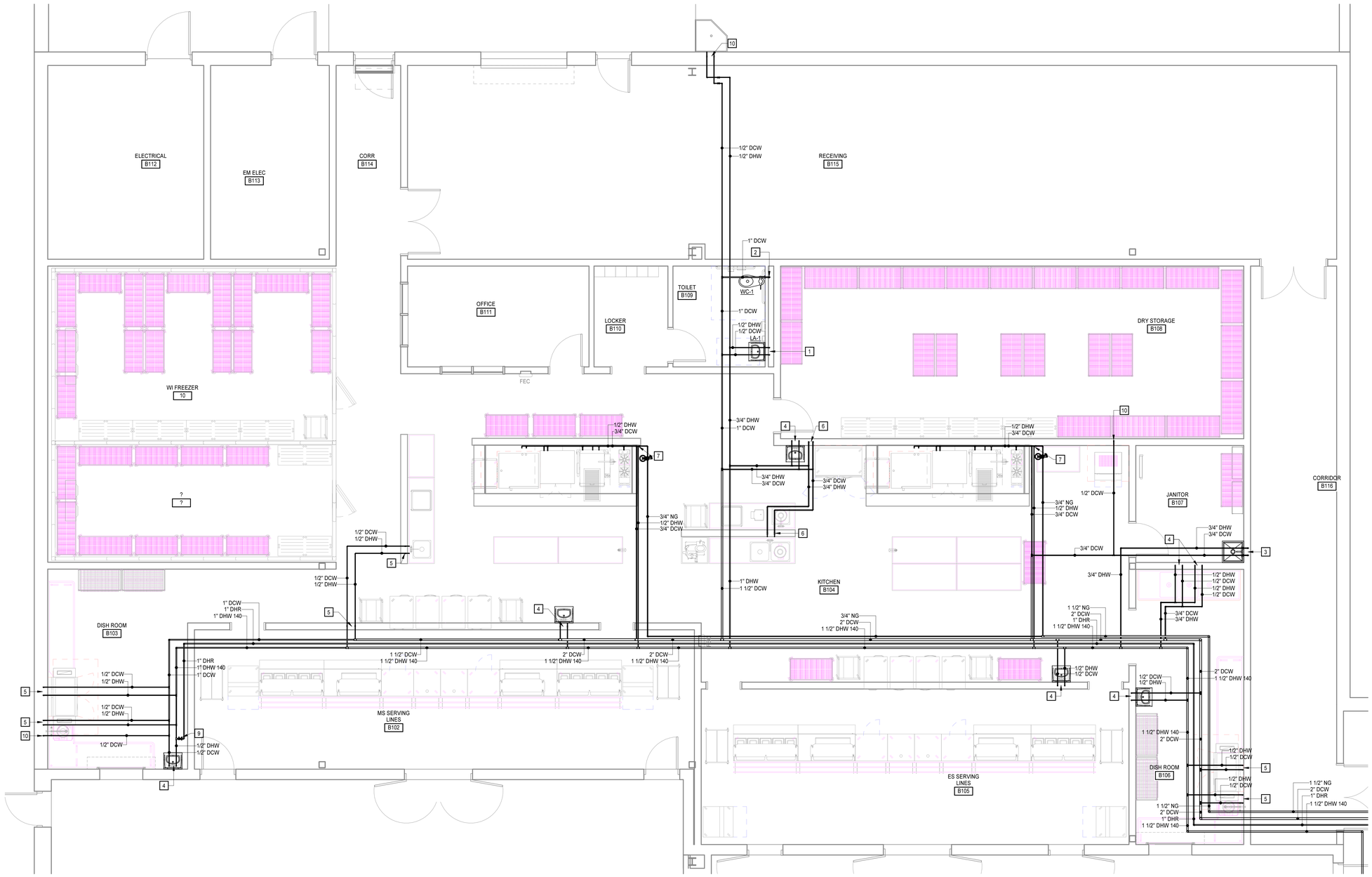
P4.14

8/2/2024 7:48:23 AM

KEYNOTES

APPLIES TO DRAWINGS P4.15
REPRESENTED BY [n]

1. 1/2"DCW AND 1/2"DHW-DN TO LAVATORY.
2. 1"DCW-DN TO WATER CLOSET.
3. 3/4"DCW AND 3/4"DHW-DN TO MOP BASIN.
4. 1/2"DCW AND 1/2"DHW-DN TO KITCHEN SINK.
5. 1/2"DCW AND 1/2"DHW-DN.
6. 3/4"DCW AND 3/4"DHW-DN.
7. 3/4"NG, 3/4"DCW, AND 1/2"DHW-DN.
8. DOMESTIC COLD AND HOT WATER PIPING TO BE ROUTED BELOW SLAB.
9. CALIBRATED BALANCING VALVE SET AT 0.75GPM.
10. 1/2"DCW AND 1/2"DHW-DN TO CAN WASH WATER CONTROL BOX.



1 P2.1.10 P4.15 **ENLARGED DOMESTIC PLAN - KITCHEN**
1/4" = 1'-0"

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PENDER COUNTY SCHOOLS K-8 SCHOOL

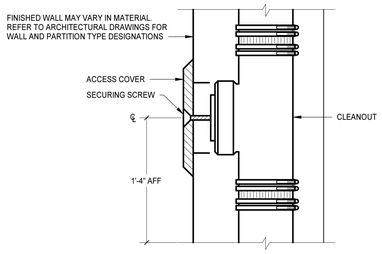
Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310	
DATE:	AUGUST 2, 2024
REVISIONS	
DATE	DESCRIPTION

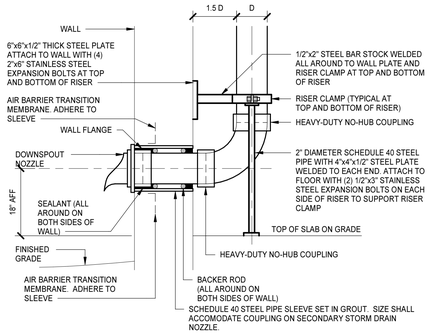
ENLARGED PLANS

P4.15

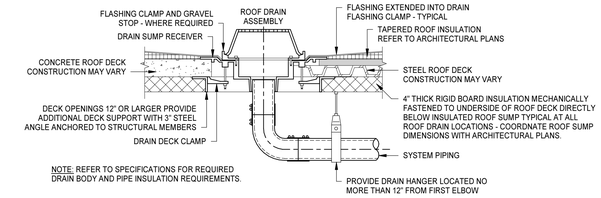
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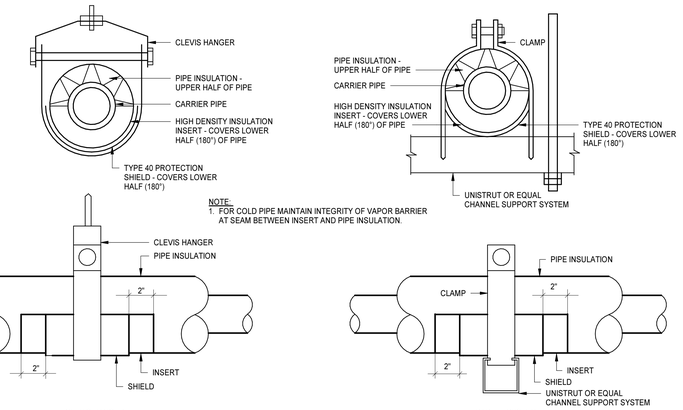
WALL CLEANOUT DETAIL
NO SCALE



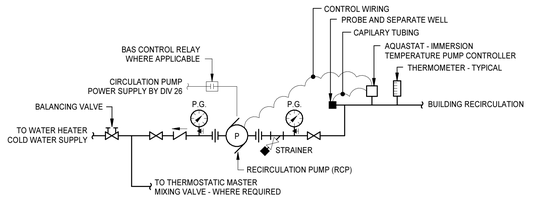
SECONDARY STORM DRAIN DISCHARGE NOZZLE DETAIL
NO SCALE



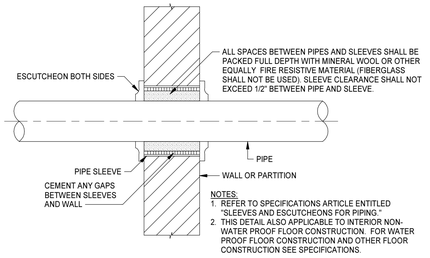
ROOF DRAIN INSULATION DETAIL
NO SCALE



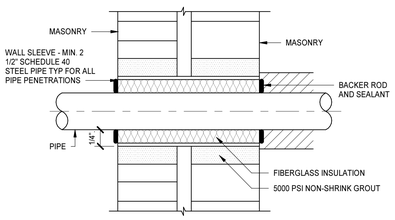
PIPE SUPPORT AND THERMAL SHIELD DETAILS
NO SCALE



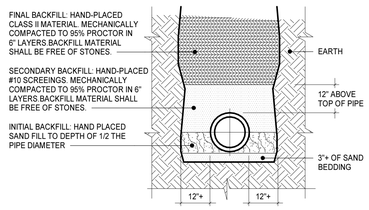
CIRCULATION PUMP DETAIL
NO SCALE



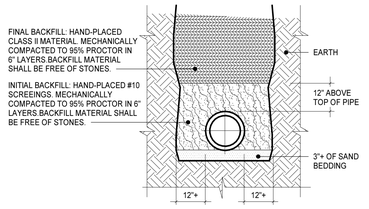
PIPE THRU FIRE RATED PARTITION & WALL DETAIL
NO SCALE



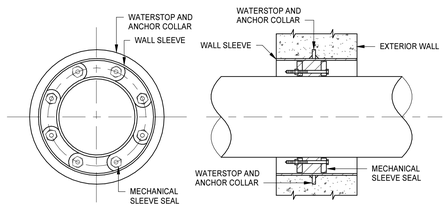
PIPE SLEEVE DETAIL
NO SCALE



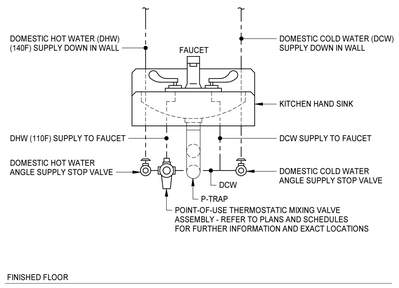
PVC PIPE BEDDING DETAIL
NO SCALE



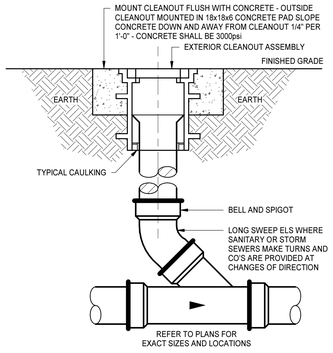
CAST IRON PIPE BEDDING DETAIL
NO SCALE



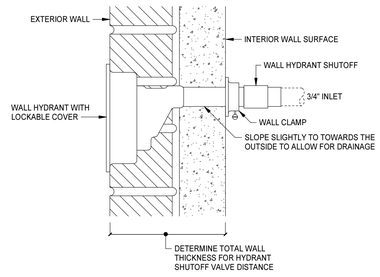
MECHANICAL SLEEVE SEAL DETAIL
NO SCALE



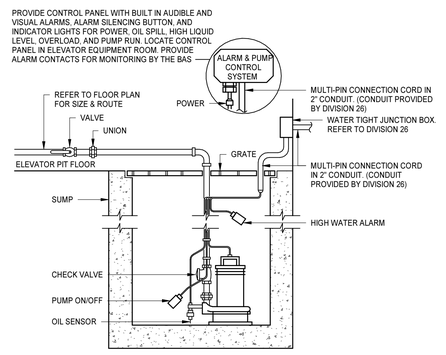
KITCHEN HAND SINK DETAIL
NO SCALE



EXTERIOR YARD CLEANOUT DETAIL
NO SCALE



EXTERIOR WALL HYDRANT DETAIL
NO SCALE



ELEVATOR SUMP PUMP DETAIL
NO SCALE

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER TIMOTHY T WHITLEY

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
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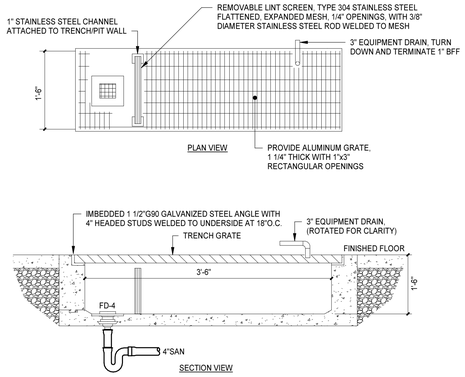
PROJECT NO: 631310
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DETAILS

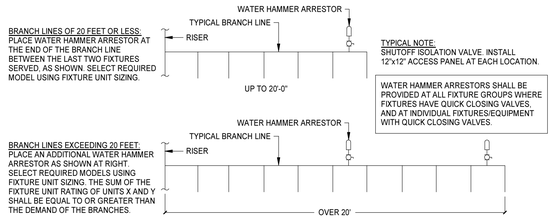
P5.1

8/2/2024 7:48:29 AM



LAUNDRY EXTRACTOR TRENCH DRAIN DETAIL

NO SCALE

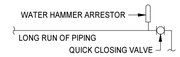


P.D.I. WATER HAMMER ARRESTORS

LENGTH OF PIPE	NOMINAL PIPE DIAMETERS					
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
25'	A	A	B	C	D	E
50'	A	B	C	D	E	F
75'	B	C	D	AE	F	EF
100'	C	D	E	F	CF	FF
125'	C	D	F	AF	EF	EFF
150'	D	E	F	DF	FF	FFF

WHEN LONG RUNS OF PIPING ARE EMPLOYED TO SERVE REMOTE EQUIPMENT, WATER HAMMER ARRESTOR SHOULD BE LOCATED AS CLOSE AS POSSIBLE TO THE POINT OF QUICK CLOSURE OR HAMMER SOURCE.

THE SIZE AND QUANTITY OF WATER HAMMER ARRESTORS TO BE INSTALLED IN BRANCH LINES IS SHOWN IN TABLE. WHEN FLOW PRESSURE OF 65 PSIG TO 85 PSIG ARE USED, THE NEXT LARGER SIZE SHOULD BE SELECTED.



WATER HAMMER ARRESTOR CAPACITIES

CONN. SIZE	PDI SIZE	FIXTURE UNIT CAPACITY	CUBIC INCH VOLUME
1/2"	A	1 TO 11	5
3/4"	B	12 TO 32	7
1"	C	33 TO 60	11
1"	D	61 TO 113	20
1"	E	114 TO 154	29
1"	F	155 TO 330	34

NOTE: MATCH TOTAL FIXTURE UNITS OF BRANCH LINE TO CORRECT SIZE OF WATER HAMMER ARRESTOR.

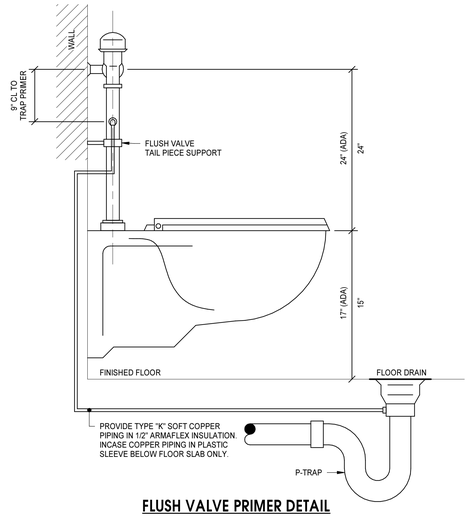
SHOCK ABSORBER SELECTION

CODE	PDI SIZE	FIXTURE UNITS
SA-1	A	1-11
SA-2	B	12-32
SA-3	C	33-60
SA-4	D	61-113
SA-5	E	114-154
SA-6	F	155-330

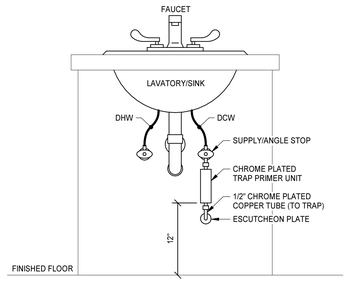
SHOCK ABSORBER SELECTION TABLE

WATER HAMMER ARRESTOR INSTALLATION & SIZING DETAIL

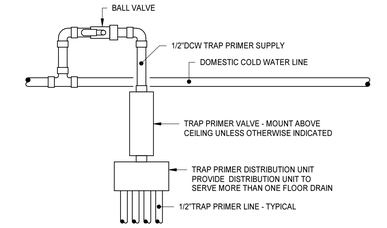
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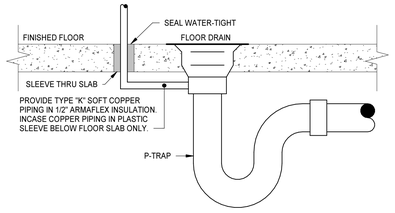
FLUSH VALVE PRIMER DETAIL



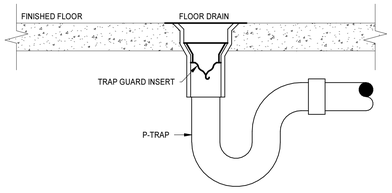
UNDER-LAV/SINK TRAP PRIMER DETAIL



NOTES:
1. PRIMERS, VALVES, AND ASSOCIATED PIPING SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
2. PROVIDE DISTRIBUTION UNIT SIZED FOR NUMBER OF DRAINS TO BE SERVED BY EACH INDIVIDUAL PRIMER.
3. DISTRIBUTION UNIT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.



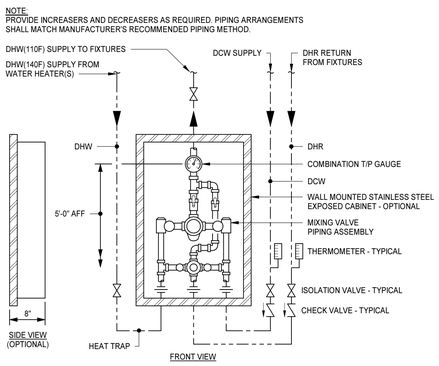
MECHANICAL PRIMER DETAIL



TRAP GUARD INSERT DETAIL

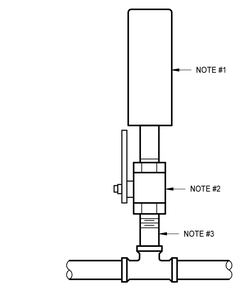
TRAP PRIMER ASSEMBLY DETAILS

NO SCALE



THERMOSTATIC MIXING VALVE DETAIL

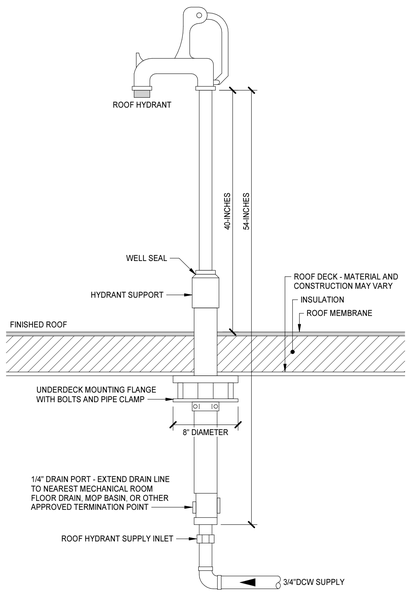
NO SCALE



NOTES:
1. WATER HAMMER ARRESTOR.
2. BALL VALVE. VALVE SIZE SHALL BE EQUAL TO NOMINAL SIZE OF ARRESTOR OUTLET (MINIMUM 1/2").
3. BRANCH PIPE EQUAL TO NOMINAL SIZE OF ARRESTOR OUTLET (MINIMUM 1/2").

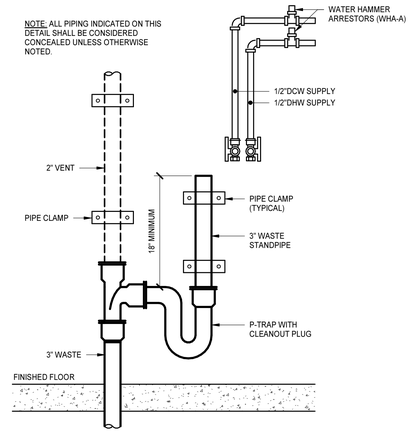
WATER HAMMER ARRESTOR DETAIL

NO SCALE



ROOF HYDRANT DETAIL

NO SCALE



WASHING MACHINE STANDPIPE DRAIN DETAIL

NO SCALE

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PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

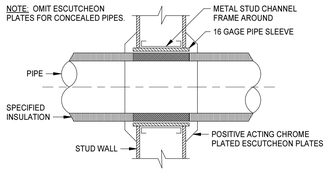
PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

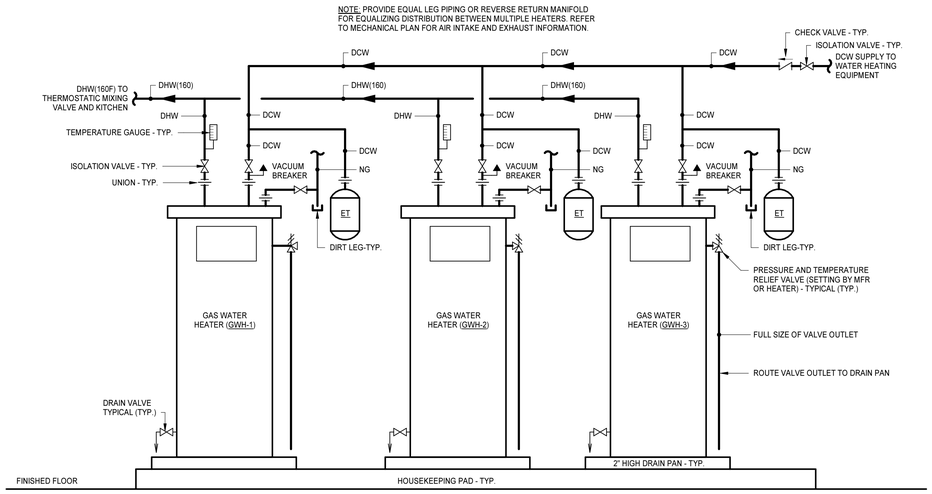
DETAILS

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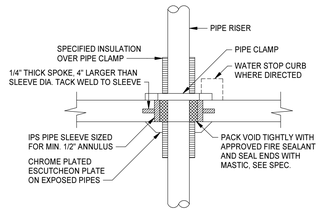


PIPE THRU STUD WALL DETAIL
NO SCALE

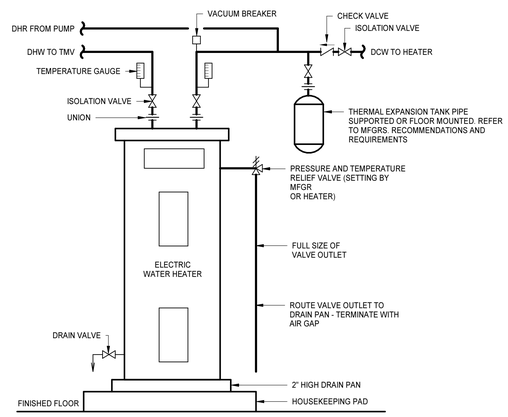


FLOOR MOUNTED GAS WATER HEATER DETAIL
NO SCALE

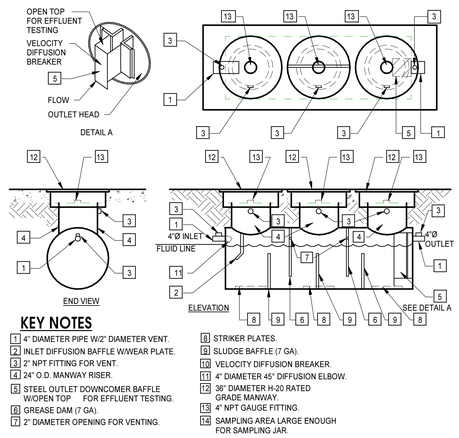
BACKWATER VALVE DETAIL
NO SCALE



PIPE THRU FLOOR SLAB DETAIL
NO SCALE

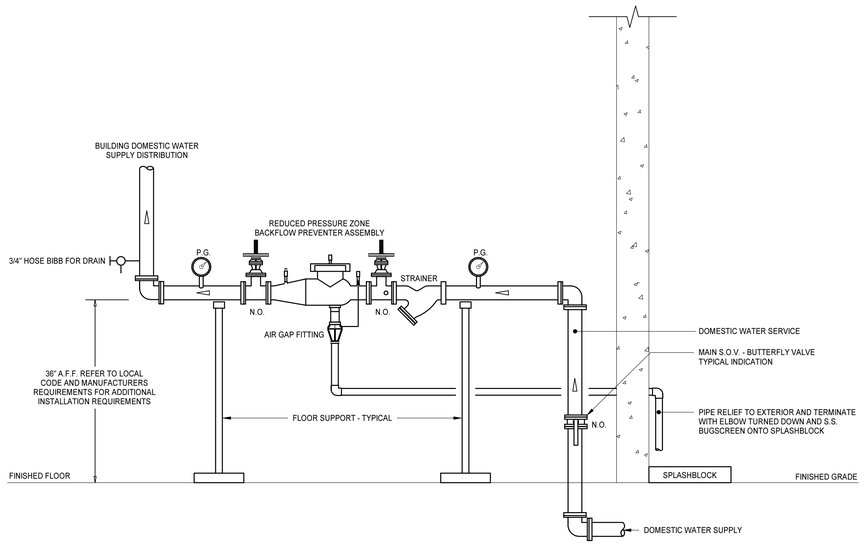


FLOOR MOUNTED ELECTRIC WATER HEATER DETAIL
NO SCALE



KEY NOTES
1. 4" DIAMETER PIPE W/2" DIAMETER VENT.
2. INLET DIFFUSION BAFFLE W/WEAR PLATE.
3. 2" NPT FITTING FOR VENT.
4. 24" O.D. MANWAY RISER.
5. STEEL OUTLET DOWNCOMER BAFFLE W/OPEN TOP FOR EFFLUENT TESTING.
6. GREASE DAM (7 GA).
7. 2" DIAMETER OPENING FOR VENTING.
8. STRIKER PLATES.
9. SLUDGE BAFFLE (7 GA).
10. VELOCITY DIFFUSION BREAKER.
11. 4" DIAMETER 45° DIFFUSION ELBOW.
12. 36" DIAMETER H-20 RATED GRADE MANWAY.
13. 4" NPT GAUGE FITTING.
14. SAMPLING AREA LARGE ENOUGH FOR SAMPLING JAR.

GREASE INTERCEPTER DETAIL
NO SCALE



WATER SERVICE ENTRANCE DETAIL
NO SCALE

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Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

DETAILS

P5.3

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DRAIN AND CLEANOUT SCHEDULE

TAG	BASIS OF DESIGN		STRAINER/GRATE	NOTES
	MANUFACTURER	MODEL		
DSN-1	ZURN	ZF199-DSG	DOWNSPOUT NOZZLE	
FCO	JOSAM	55000-1	FLOOR CLEANOUT	1
FD-1	JOSAM	30000-6S-VP	6" x 6"	1, 2
FD-2	JOSAM	32100-50-81-VP	9" ROUND	1, 2
FD-3	MIFAB	F1100-C-DD	OPEN SIGHT HUB DRAIN	1, 2
FD-4	JOSAM	30004-S	6" x 6"	1, 3
FS-1	JOSAM	41630-VP-50-DSB-CF-HG	12" x 12", HALF GRATE	1, 2
FS-2	JOSAM	41630-VP-50-DSB-CF-NG	12" x 12", NO GRATE	1, 2
FS-3	JOSAM	41630-VP-50-DSB-CF	12" x 12", FULL GRATE	1, 4
GCO	JOSAM	58680-CO	GRADE CLEANOUT	2
OD-1	JOSAM	21500-AE-3-16-22-VP	13" ROUND	2
RD-1	JOSAM	21500-AE-3-22-VP	13" ROUND	2
WCO	JOSAM	58910-19	WALL CLEANOUT	

NOTES:
1. PROVIDE TRAP PRIMER CONNECTION AND EXTENSION, SEE DETAIL.
2. ALL ROOF DRAINS, SANITARY DRAINS AND CLEANOUTS TO HAVE ADJUSTABLE HEIGHT TOP.
3. LAUNDRY TRENCH PIT DRAIN.
4. PROVIDE CAN WASH WITH REMOVE WATER CONTROL BOX.

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	HEIGHT A.F.F.	BASIS OF DESIGN	PIPE SIZE					NOTES
				COLD WATER	TEPID WATER	HOT WATER	VENT	SOIL WASTE	
EEWS-1	COMBINATION EMERGENCY EYEWASH/SHOWER STATION	FLOOR MOUNTED	FIXTURE: BRADLEY S19314BFPB VALVE: BRADLEY S19-2100 EFX20	1/2"		1/2"	1 1/2"	1 1/2"	1, 5
EWC-1	BI-LEVEL WATER COOLER (ACCESSIBLE)	TOP OF BUBBLER AT 39", LOWER AT 34"	FIXTURE: ELKAY LZSTL8WSSP	1/2"			1 1/2"	1 1/2"	1
LA-1	WALL-HUNG LAVATORY (ACCESSIBLE) WITH MANUALLY-OPERATED FAUCET	RIM AT 34"	FIXTURE: ZURN Z5340 FAUCET: ZURN 81101XL-G-HCT-25M	1/2"		1/2"	1 1/2"	1 1/2"	1, 3
LA-2	WALL-HUNG LAVATORY (CHILD ACCESSIBLE) WITH MANUALLY-OPERATED FAUCET	RIM AT 31"	FIXTURE: ZURN Z5340 FAUCET: ZURN 81101XL-G-HCT-25M	1/2"		1/2"	1 1/2"	1 1/2"	1, 3
LA-3	COUNTER MOUNTED LAVATORY WITH MANUALLY-OPERATED FAUCET	COUNTER MOUNTED REFER TO ARCH DRAWINGS	FIXTURE: ZURN Z5110 FAUCET: ZURN 81101XL-G-HCT-25M	1/2"		1/2"	1 1/2"	1 1/2"	1, 3
MB-1	MOP BASIN (24" x 24")	RIM AT 12"	FIXTURE: FIAT TSB3000 FAUCET: ZURN Z843M1-XL-CS-HCT	3/4"		3/4"	2"	3"	
SH-1	INDIVIDUAL SHOWER (ACCESSIBLE)	CONTROLS AT 42", SHOWERHEAD AT 72"	VALVE: ZURN Z7301-SS-MT-S9	1/2"		1/2"	2"	2"	1, 4
SH-2	INDIVIDUAL SHOWER	CONTROLS AT 42", SHOWERHEAD AT 78"	VALVE: ZURN Z7301-SS-MT-S9	1/2"		1/2"	2"	2"	4
SK-1	SINK - SINGLE BASIN	COUNTER MOUNTED REFER TO ARCH DWGS	FIXTURE: ELKAY LRADQ221955 FAUCET: ZURN Z82300-XL-CP4-3M	1/2"		1/2"	1 1/2"	1 1/2"	1, 3, 6
SK-2	ART ROOM SINK - SINGLE BASIN	COUNTER MOUNTED REFER TO ARCH DWGS	FIXTURE: ELKAY LRAD3122255 FAUCET: ZURN Z812C1-XL-HCT-3F	1/2"		1/2"	1 1/2"	1 1/2"	1, 3, 6, 7
SK-3	MUSIC ROOM SINK	RIM AT 36"	FIXTURE: ELKAY EWMA60203 FAUCET: ZURN Z975U2	1/2"		1/2"	1 1/2"	1 1/2"	3
SK-4	SINK - DOUBLE BASIN	COUNTER MOUNTED REFER TO ARCH DWGS	FIXTURE: ELKAY LRADQ332255 FAUCET: ZURN Z82300-XL-CP8-7M-HS	1/2"		1/2"	1 1/2"	1 1/2"	3, 6
SK-SC	SCIENCE ROOM SINK (BY OTHERS) ROUGH-IN PIPING AND ACCESSORIES ONLY	COUNTER MOUNTED REFER TO ARCH DWGS	FIXTURE: BY OTHERS FAUCET: BY OTHERS	1/2"		1/2"	1 1/2"	1 1/2"	1, 3, 6
UR-1	URINAL (ACCESSIBLE)	RIM AT 17"	FIXTURE: ZURN Z5755 FLUSH VALVE: SLOAN ROYAL 186	3/4"			2"	2"	1, 2
UR-2	URINAL	RIM AT 24"	FIXTURE: ZURN Z5755 FLUSH VALVE: SLOAN ROYAL 186	3/4"			2"	2"	2
WB-1	WALL BOX - WASHER	CENTER AT 42"	FIXTURE: GUYGRAY WB200HATM	1/2"		1/2"	1 1/2"	2"	
WC-1	FLOOR MOUNTED WATER CLOSET (ACCESSIBLE)	TOP OF SEAT 17"	FIXTURE: ZURN Z5665-BWL-AM VALVE: SLOAN ROYAL 111	1"			2"	4"	1, 2
WC-2	FLOOR MOUNTED WATER CLOSET	TOP OF SEAT 15"	FIXTURE: ZURN Z5655-BWL-AM VALVE: SLOAN ROYAL 111	1"			2"	4"	2
WC-3	FLOOR MOUNTED WATER CLOSET (CHILD ACCESSIBLE)	TOP OF SEAT 15"	FIXTURE: ZURN Z5665-BWL-AM VALVE: SLOAN ROYAL 111	1"			2"	4"	1, 2
WH-1	WALL HYDRANT	CENTERLINE OF OUTLET AT 18"	FIXTURE: ZURN Z1320XL	3/4"					
WSB-1	ICE MAKER OUTLET BOX	BOTTOM AT 8"	FIXTURE: GUYGRAY BIM875QTSAB	1/2"					

NOTES:
1. THIS ACCESSIBLE FIXTURE, ACCESSORIES, AND INSTALLATION SHALL CONFORM TO THE USBC AND ASAD ADA STANDARDS FOR ACCESSIBLE DESIGN.
2. LOCATE FLUSH ACTUATORS ON WIDE SIDE OF STALLS OR APPROACH AREAS.
3. PROVIDE ASSE-1070 CERTIFIED MIXING VALVE IN STAINLESS STEEL WALL CABINET, ABOVE CEILING, OR BELOW FIXTURE ACCESSIBLE BUT CONCEALED FROM VIEW.
4. PROVIDE ASSE-1016 CERTIFIED MIXING VALVE.
5. PROVIDE ASSE-1071 CERTIFIED EMERGENCY MIXING VALVE IN STAINLESS STEEL WALL CABINET.
6. PROVIDE DISHWASHER HOOK-UP WHERE DISHWASHER IS PRESENT, CONNECT HW IN SINK BASE AND CONNECT SANITARY THRU AIR GAP FITTING OR HIGH LOOP HOSE DRAIN INTO DISHWASHER TAIL PIECE SINK DRAIN.
7. PROVIDE PLASER/SOLIDS INTERCEPTOR FOR ALL ART ROOMS. PROVIDE POP-UP DRIAN FOR ALL ART ROOMS.

ELECTRIC WATER HEATER SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	CAPACITY (GALLONS)	RECOVERY RATE (GPH)	TEMPERATURE RISE (°F)	TEMPERATURE SETTING (°F)	ELECTRICAL DATA				NOTES
	MANUFACTURER	MODEL						INPUT RATE (kW)	VOLTAGE	PHASE	HERTZ	
EWH-1	AO SMITH	DEN-30	STORAGE FH06	30	24	100	140	6	480	3	60	1, 2

NOTES:
1. kW INPUT RATE FOR ELECTRIC WATER HEATERS BASED ON FULL LOAD SIMULTANEOUS OPERATION.
2. PROVIDE PARALLEL INSTALLATIONS WITH PRECISION CUT EQUAL LEG PIPING, REVERSE-RETURN MANIFOLD PIPING, OR MANUFACTURER'S MANIFOLD INSTALLATION KIT. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS AND RECOMMENDATIONS.

GAS WATER HEATER SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	CAPACITY (GALLONS)	RECOVERY RATE (GPH)	TEMPERATURE RISE (°F)	TEMPERATURE SETTING (°F)	FUEL DATA			ELECTRICAL DATA			NOTES
	MANUFACTURER	MODEL						TYPE	INPUT RATE (BTUH)	MAX. INLET PRESSURE (INCHES W.C.)	VOLTAGE	PHASE	HERTZ	
GWH-1	AOSMITH	BTH-300A	MECHANICAL B119	220	342	100	140	NATURAL GAS	300000	14	120	1	60	1, 2
GWH-2	AOSMITH	BTH-300A	MECHANICAL B119	220	342	100	140	NATURAL GAS	300000	14	120	1	60	1, 2
GWH-3	AOSMITH	BTH-300A	MECHANICAL B119	220	342	100	140	NATURAL GAS	300000	14	120	1	60	1, 2

NOTES:
1. PROVIDE PARALLEL INSTALLATIONS WITH PRECISION CUT EQUAL LEG PIPING, REVERSE-RETURN MANIFOLD PIPING, OR MANUFACTURER'S MANIFOLD INSTALLATION KIT. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS AND RECOMMENDATIONS.
2. REFER TO ALL MANUFACTURER'S RECOMMENDATIONS, DIAGRAMS, AND INSTRUCTIONS FOR ADDITIONAL REQUIREMENTS. COORDINATE FINAL HEATER SELECTION'S INTEGRAL CIRCULATION PUMP WITH ELECTRICAL.

INTERCEPTOR AND SEPARATOR SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	OPERATING DATA			ELECTRICAL DATA			CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL		FLOW (GPM)	CAPACITY (GALLONS)	CONTAMINATE RETENTION VOLUME (GAL)	VOLTAGE	PHASE	HERTZ	INLET (IN)	OUTLET (IN)	
GI-1	HIGHLAND	PGI-2500-3	EXTERIOR BELOW GRADE	0	2515	643	120	1	60	4"	4"	1, 2, 3, 4, 5

NOTES:
1. PROVIDE GREASE INTERCEPTOR UNIT WITH FOGS MONITORING ALARM SYSTEM WITH REMOTE LOCATED PANEL.
2. PROVIDE INTERCEPTOR WITH CONCRETE ANCHORING PAD, DEADMAN ANCHORS, OR MANUFACTURER RECOMMENDED ANCHORING METHOD AND ALL ASSOCIATED INSTALLATION ACCESSORIES.
3. PROVIDE INTERCEPTOR WITH CONCRETE RELIEVING SLAB AND TRAFFIC-RATED COVERS AND ACCESSORIES FOR INSTALLATIONS SUBJECT TO VEHICULAR TRAFFIC.
4. PROVIDE INTERCEPTOR WITH PUMPED REMOTE DRAWOFF, VERIFY FINAL INSTALLATION DOES NOT EXCEED RISE AND RUN LIMITATIONS OF PUMPED REMOTE DRAWOFF SYSTEM.
5. PROVIDE VENT PER MANUFACTURER RECOMMENDATIONS.

PUMP SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	SYSTEM TYPE	PUMP TYPE	OPERATING DATA					ELECTRICAL DATA			CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL				FLOW (GPM)	PRESSURE (FT)	EFFICIENCY	POWER (HP)	SPEED (RPM)	VOLTS	PHASE	HERTZ	INLET (IN)	OUTLET (IN)	
RCP-1	GRUNDFOS	MAGNA3 32-100F	MECHANICAL B119	HOT WATER (110°F) RECIRCULATION	BUILDING CIRCULATION	0	25	85%	0.40	3450	120	1	60	1"	1"	1
RCP-2	GRUNDFOS	MAGNA3 32-100F	MECHANICAL B119	HOT WATER (140°) RECIRCULATION	BUILDING CIRCULATION	0	15	86%	0.40	3450	120	1	60	1"	1"	1
SP-1	ZOELLER	FLOW-MATE 163 SERIES	ELEVATOR SUMP PIT	FORCE MAIN	SUMP	50	30	NA	0.50	3450	120	1	60	2"	2"	2
SP-2	ZOELLER	FLOW-MATE 163 SERIES	ELEVATOR SUMP PIT	FORCE MAIN	SUMP	50	30	NA	0.50	3450	120	1	60	2"	2"	2

NOTES:
1. PROVIDE DUPLEX DOMESTIC HOT WATER RECIRCULATION PUMPS FOR EACH TEMPERATURE DELIVERED AND RETURNED WITH ALTERNATING LEAD/STANDBY.
2. PROVIDE FULLY-PACKAGED ELEVATOR SUMP PUMP ASSEMBLY WITH AUDIBLE AND VISUAL FLOW ALARM LINKED TO BAS. MINIMUM REQUIRED PUMP FLOW RATE SHALL BE 50GPM PER ELEVATOR CAR/CAB.

TANK SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	SYSTEM TYPE	TANK TYPE	OPERATING DATA			ASME CODE CONSTRUCTION (YES / NO)	CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL				CAPACITY (GAL)	ACCEPTANCE (GAL)	AIR PRE-CHARGE PRESSURE (PSI)		INLET (IN)	OUTLET (IN)	
ET-1	AMTROL	ST-70V-C	MECHANICAL B119	DHW	EXPANSION	34	11	55	YES	3/4"	3/4"	

THERMOSTATIC MIXING VALVE SCHEDULE

TAG	BASIS OF DESIGN		DESIGN FLOW (GPM)	FLOW RANGE (GPM)	MAX P.D. AT DESIGN FLOW (PSI)	HW SYSTEM TEMPERATURES		CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL				INLET (°F)	OUTLET (°F)	INLET (IN)	OUTLET (IN)	
EM-TMV	BRADLEY	S19-2250-EFX50-RBP	22	3-40	5	120	85	1 1/2"	1 1/2"	1, 2, 3
TMV-1	POWERS	LFSH1435-1	67	67-232	5	160	120	2"	2"	1
TMV-2	POWERS	LFSH1434-1	42	42-147	5	160	140	1 1/4"	1 1/2"	1
TMV-3	POWERS	LFMM432-1	19	19-66	5	160	120	3/4"	1"	1
TMV-4	POWERS	LFLM496-1	2	0.50-4.50	5	120	95	1/2"	1/2"	1, 4

NOTES:
1. PROVIDE THERMOSTATIC MIXING VALVE ASSMEBLY WITH STAINLESS STEEL WALL-MOUNTED CABINET AND T/P GAUGES ON INLETS AND OUTLET.
2. DESIGN FLOW AND PRESSURE DROP BASED ON 5.1GPM EYE/FACE WASH AND 22GPM SHOWER ASSEMBLY.
3. PROVIDE UNIT CONCEALED ABOVE CEILING FOR CASEWORK SAFETY CABINETS.
4. PROVIDE ASSE-1070 VALVE FOR ALL PUBLIC LAVATORIES AND SINKS. UNIT SHALL BE MOUNTED CONCEALED FROM VIEW BELOW FIXTURE.

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PHONE (919) 840-0091
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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER BRITTNEY WHITE

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS
DATE DESCRIPTION

SCHEDULES

P6.1

8/2/2024 7:48:39 AM

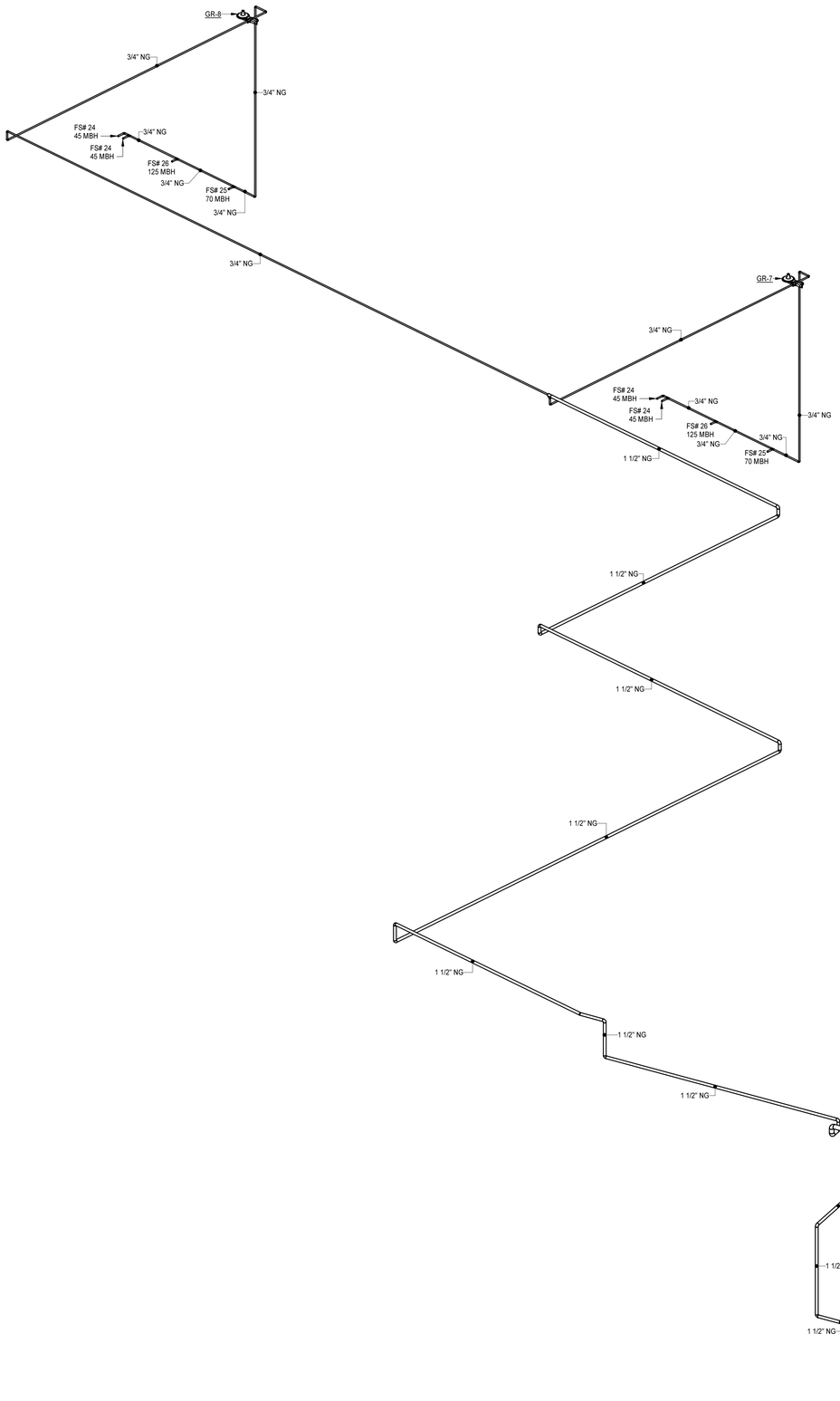
CONNECTED GAS LOAD SCHEDULE

TAG	DESCRIPTION	LOCATION	INPUT (BTUH)
GWH-1	DOMESTIC WATER HEATER	MECHANICAL B119	300,000
GWH-2	DOMESTIC WATER HEATER	MECHANICAL B119	300,000
GWH-3	DOMESTIC WATER HEATER	MECHANICAL B119	300,000
B-1	MECHANICAL BOILER	MECHANICAL B119	2,000,000
B-2	MECHANICAL BOILER	MECHANICAL B119	2,000,000
B-3	MECHANICAL BOILER	MECHANICAL B119	2,000,000
KITCHEN EQUIPMENT	KITCHEN EQUIPMENT	KITCHEN	520,000
TOTAL CONNECTED LOAD			7,420,000

GAS REGULATOR SCHEDULE

TAG	BASIS OF DESIGN			LOAD		PRESSURE		ORIFICE	ORIFICE ANGLE	CONNECTION SIZE			NOTES
	MANUFACTURER	MODEL	SPRING	SERVICE	MBH	INLET (PSI)	OUTLET (PSI)			VENT (IN)	INELT (IN)	OUTLET (IN)	
GR-0	SENSUS	243-12-2 2 1/2"	CADMIUM 143-16-021-08	BUILDING SERVICE REGULATOR	7420	10 PSI	2 PSI	3/4"	30°	1"	2 1/2"	2 1/2"	2, 3
GR-1	MAXITROL	325-7AL 1-1/2" x 1-1/2"	NA	GWH-1	300	2 PSI	7" w.c.	N/A	N/A	N/A	1 1/2"	1 1/2"	1, 2
GR-2	MAXITROL	325-7AL 1-1/2" x 1-1/2"	NA	GWH-2	300	2 PSI	7" w.c.	N/A	N/A	N/A	1 1/2"	1 1/2"	1, 2
GR-3	MAXITROL	325-7AL 1-1/2" x 1-1/2"	NA	GWH-3	300	2 PSI	7" w.c.	N/A	N/A	N/A	1 1/2"	1 1/2"	1, 2
GR-4	MAXITROL	325-7AL 1-1/2" x 1-1/2"	NA	B-1	2000	2 PSI	7" w.c.	N/A	N/A	N/A	1 1/2"	1 1/2"	1, 2
GR-5	MAXITROL	325-7AL 1-1/2" x 1-1/2"	NA	B-2	2000	2 PSI	7" w.c.	N/A	N/A	N/A	1 1/2"	1 1/2"	1, 2
GR-6	MAXITROL	325-7AL 1-1/2" x 1-1/2"	NA	B-3	2000	2 PSI	7" w.c.	N/A	N/A	N/A	1 1/2"	1 1/2"	1, 2
GR-7	MAXITROL	325-5L 3/4" x 3/4"	NA	KITCHEN EQUIPMENT	260	2 PSI	7" w.c.	N/A	N/A	N/A	3/4"	3/4"	1, 2
GR-8	MAXITROL	325-5L 3/4" x 3/4"	NA	KITCHEN EQUIPMENT	260	2 PSI	7" w.c.	N/A	N/A	N/A	3/4"	3/4"	1, 2

NOTES:
1. PROVIDE REGULATOR WITH VENT LIMITER DEVICE.
2. PROVIDE INCREASER AND DECREASER FITTINGS WHERE REQUIRED TO PROVIDE DESIRED INLET AND OUTLET CONNECTION SIZES TO VARYING REGULATOR BODY SIZES.
3. BUILDING SERVICE REGULATOR TYPICALLY SUPPLIED AND PROVIDED BY UTILITY SERVICE PROVIDER. INFORMATION INDICATED IS SHOWN FOR MINIMUM PERFORMANCE REQUIREMENT PURPOSES ONLY



NOTE: 2.00 PSI PIPE SIZE BASED ON 14.00" W.C. (0.50PSI) DROP AND A LONGEST RUN HAVING AN ESTIMATED EQUIVALENT LENGTH OF 250'. 7.00"-11.00" W.C. PIPE SIZING BASED ON A 0.30" W.C. DROP - REFER TO EACH REGULATOR OR LOCATION ON THIS DIAGRAM FOR INFORMATION REGARDING FURTHEST EQUIVALENT LENGTHS FOR 7.00"-11.00" W.C PIPING.

NATURAL GAS REGULATOR INFORMATION:
PROVIDE SERVICE AND LINE REGULATORS SIMILAR TO THOSE INDICATED. REFER TO, AND COORDINATE WITH, EQUIPMENT AND REGULATOR MANUFACTURER'S RECOMMENDATIONS AND LOCAL UTILITY SERVICE PROVIDER FOR FINAL SELECTIONS. ALL REGULATOR VENTS SHALL TERMINATE A MINIMUM OF 10' AWAY FROM ALL OUTSIDE AND FRESH AIR INTAKES.

NATURAL GAS RISER DIAGRAM
NO SCALE

MOSELEY ARCHITECTS
911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0091
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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER BRITTANY T WHITE

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

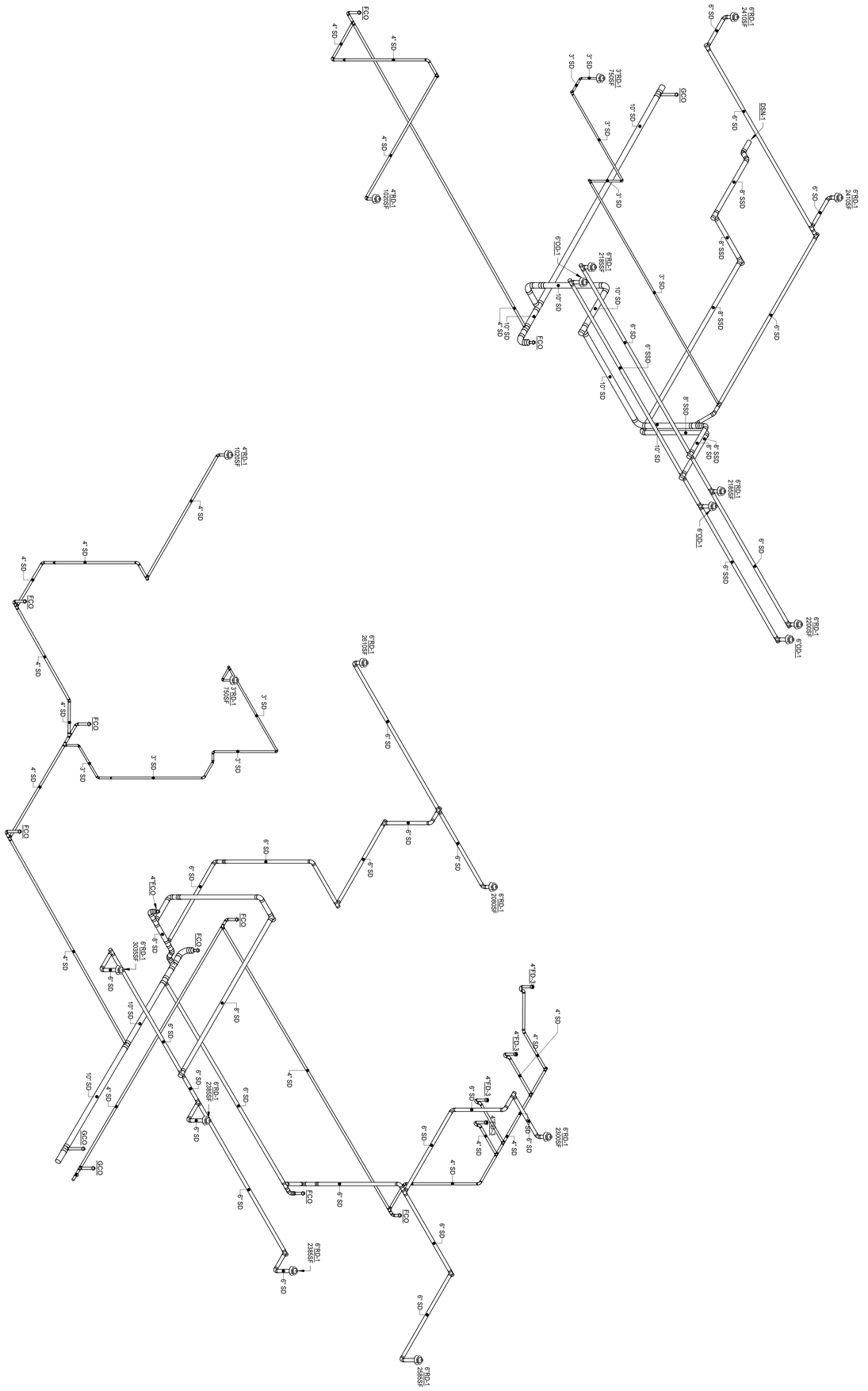
NATURAL GAS RISER DIAGRAM

P9.1

8/2/2024 7:48:42 AM

STORM RISER DIAGRAM - AREA A

NO SCALE



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO. 631610
DATE JANUARY 2, 2024

DATE	REVISIONS DESCRIPTION

STORM RISER DIAGRAM - AREA A

P9.2

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 043951 DAVID THOMAS TUNSTALL

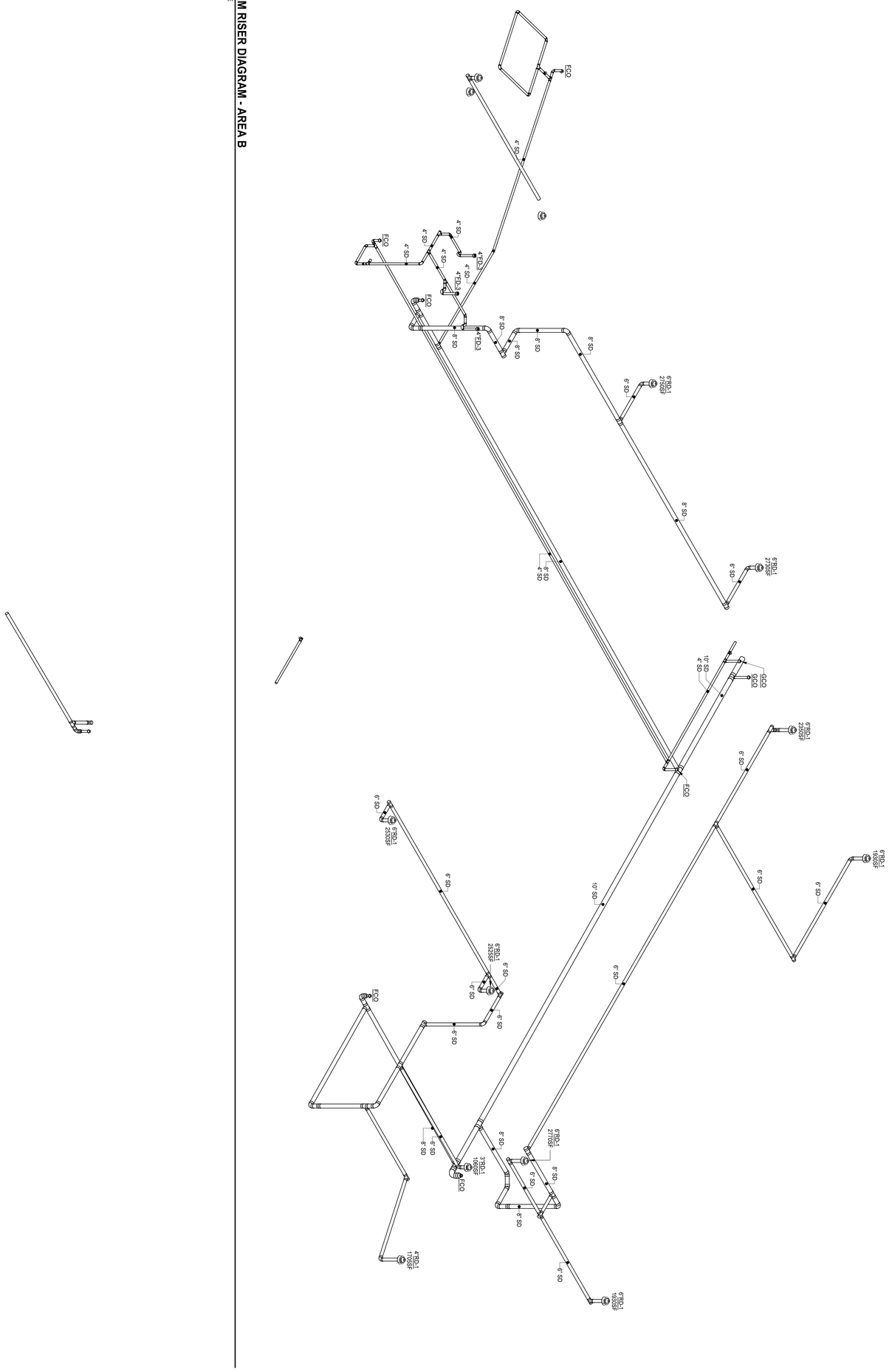
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STORM RISER DIAGRAM - AREA B

NO SCALE



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO 631618
DATE AUGUST 2, 2024

DATE	REVISIONS DESCRIPTION

STORM RISER DIAGRAM - AREA B

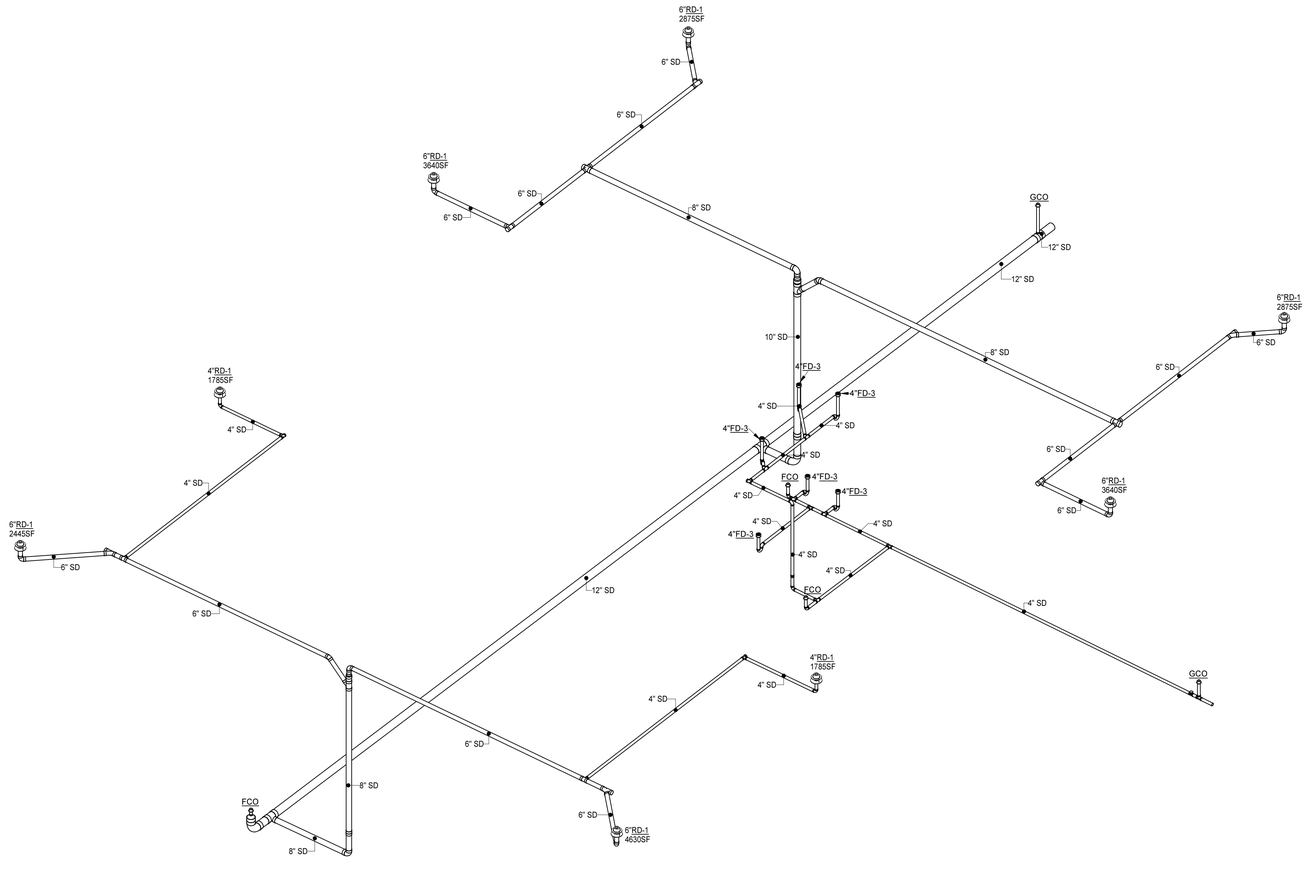
P9.3

NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER DAVID T. HUNTER

MOSELEYARCHITECTS

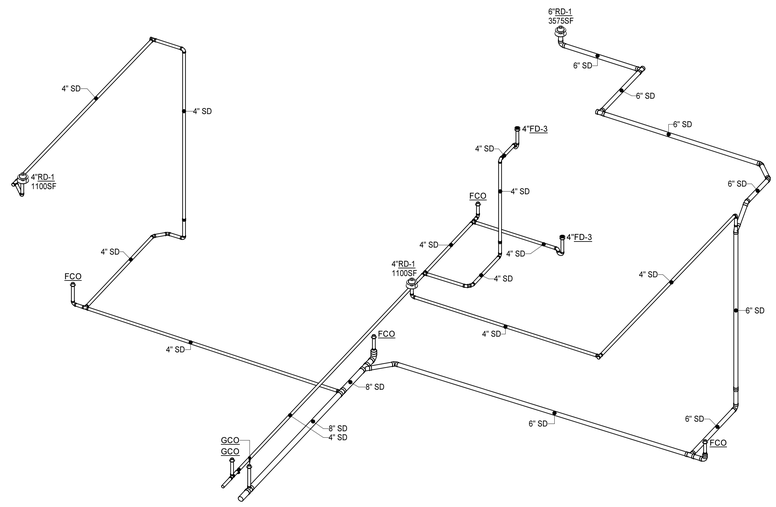
911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0091

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STORM RISER DIAGRAM - AREA D

NO SCALE



STORM RISER DIAGRAM - AREA C

NO SCALE

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER BRITTNEY WHITFIELD

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

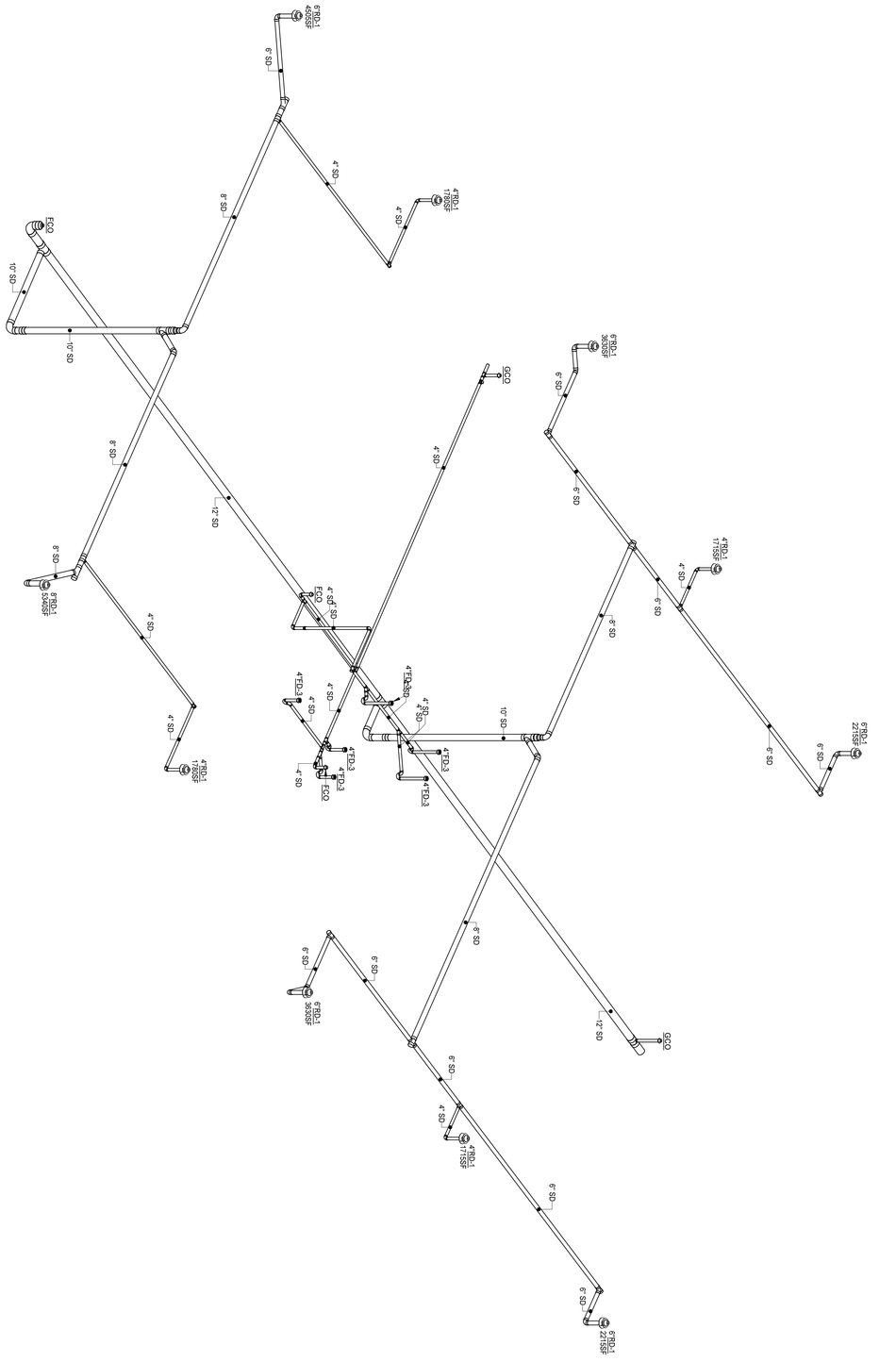
STORM RISER DIAGRAM - AREA C & D

P9.4

8/2/2024 7:48:47 AM

STORM RISER DIAGRAM - AREA E

NO SCALE



STORM RISER DIAGRAM - AREA E

PROJECT NO 6101619
DATE NOVEMBER 2, 2024

DATE	REVISIONS DESCRIPTION

PENDER COUNTY SCHOOLS K-8 SCHOOL

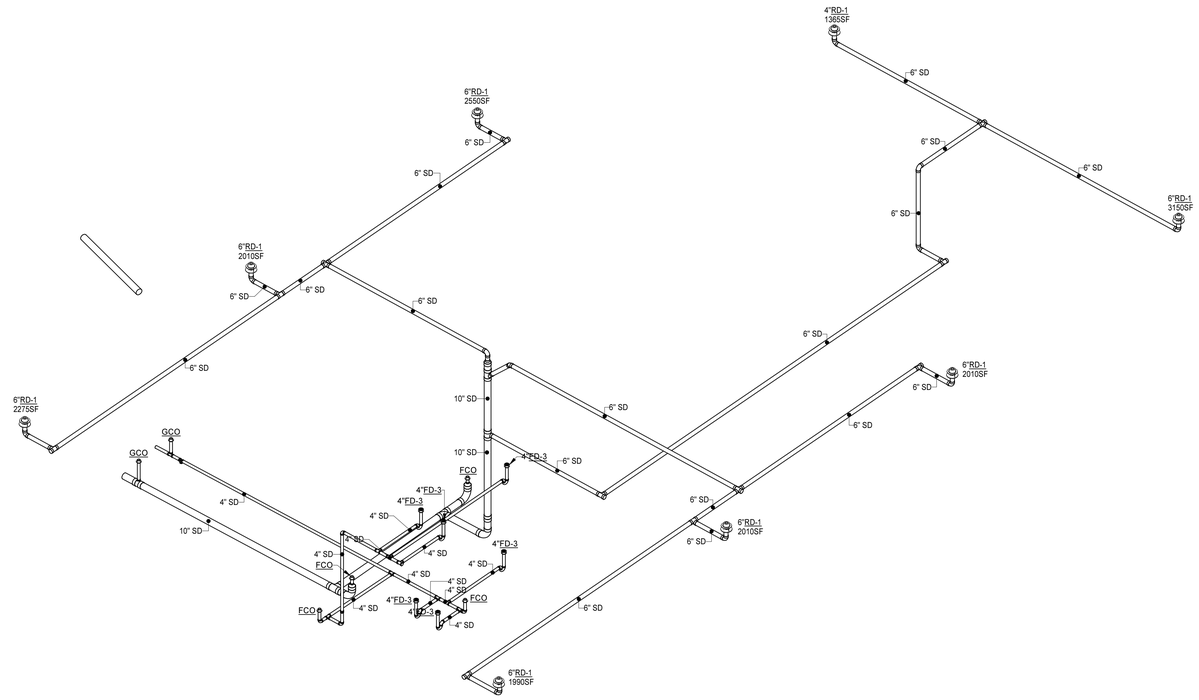
Pender County Schools
Highway 210, Hampstead, NC 28443

NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER TIMOTHY D. MOSELEY

MOSELEYARCHITECTS

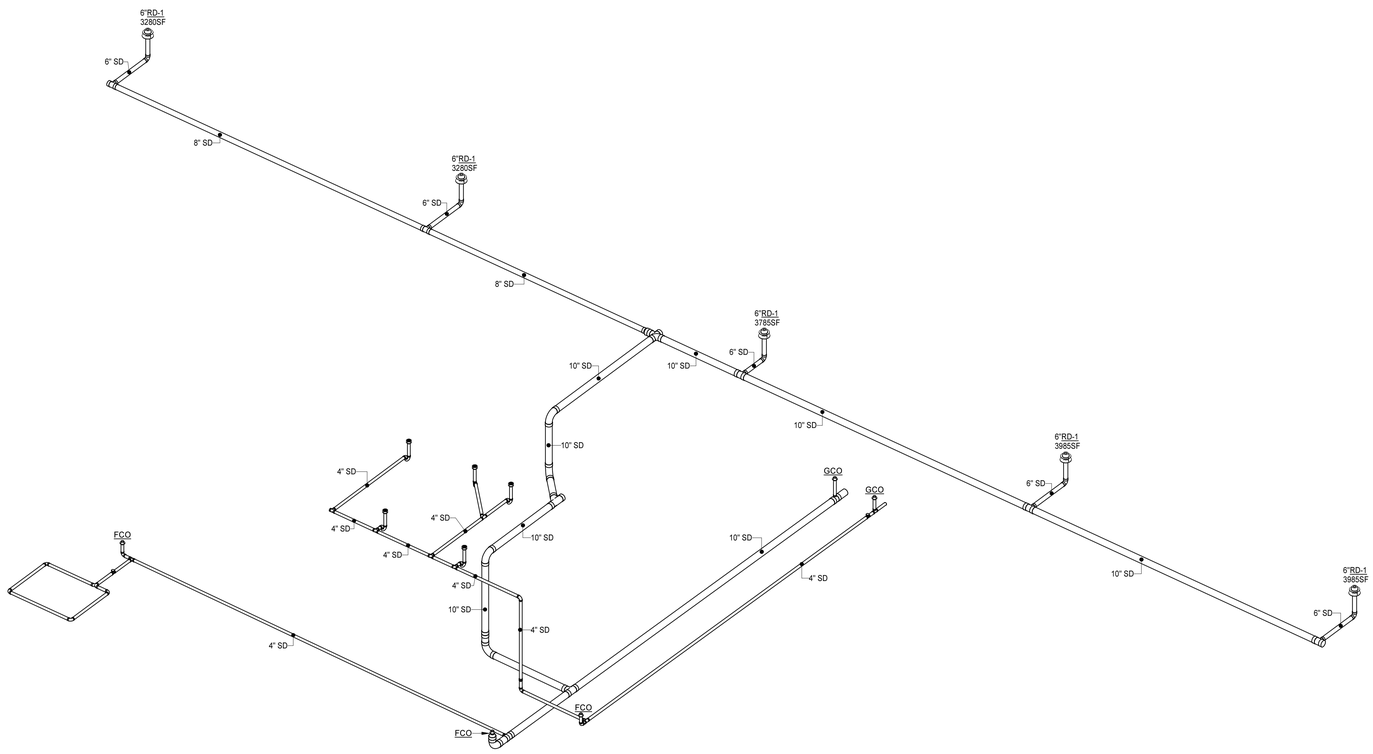
911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0091

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STORM RISER DIAGRAM - AREA G

NO SCALE



STORM RISER DIAGRAM - AREA F

NO SCALE

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER PATRICK T WHITE

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

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DATE	DESCRIPTION

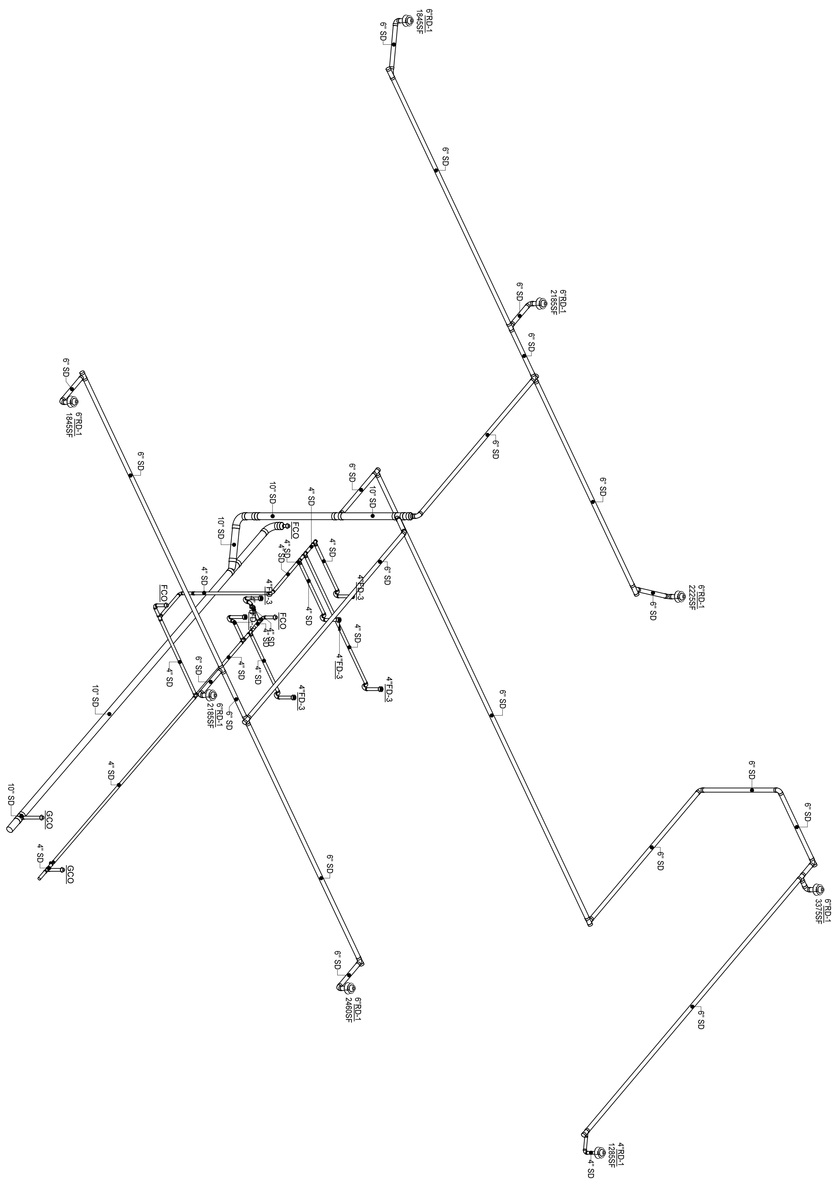
STORM RISER DIAGRAM - AREA F & G

P9.6

8/2/2024 7:48:50 AM

STORM RISER DIAGRAM - AREA H

NO SCALE



STORM RISER DIAGRAM - AREA H

PROJECT NO 631019
DATE AUGUST 2, 2024

DATE	REVISIONS DESCRIPTION

PENDER COUNTY SCHOOLS K-8 SCHOOL

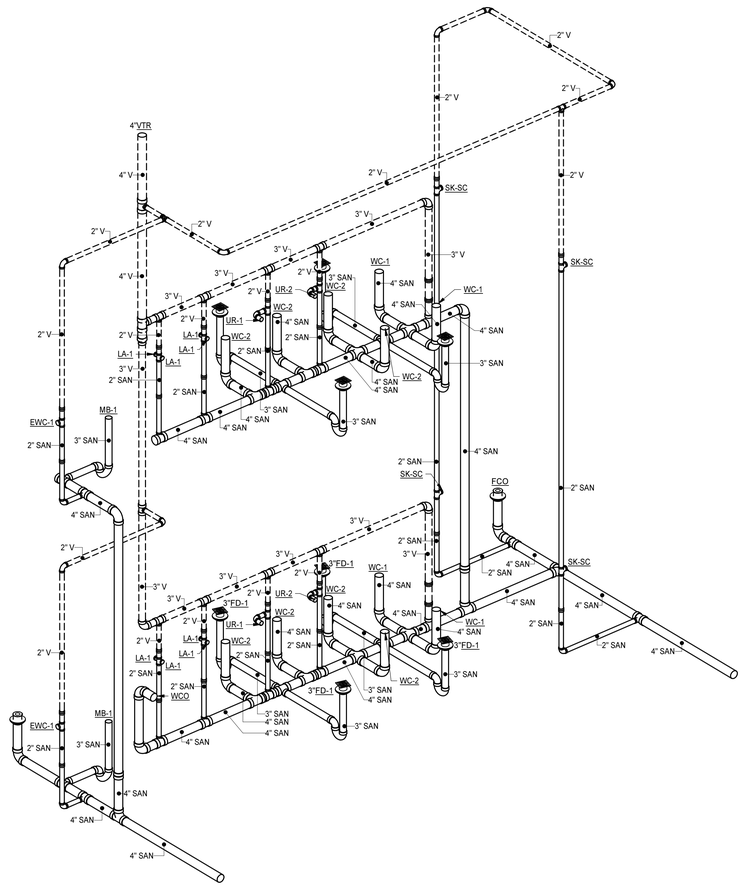
Pender County Schools
Highway 210, Hampstead, NC 28443

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043951 CHRISTOPHER T. WHITLEY

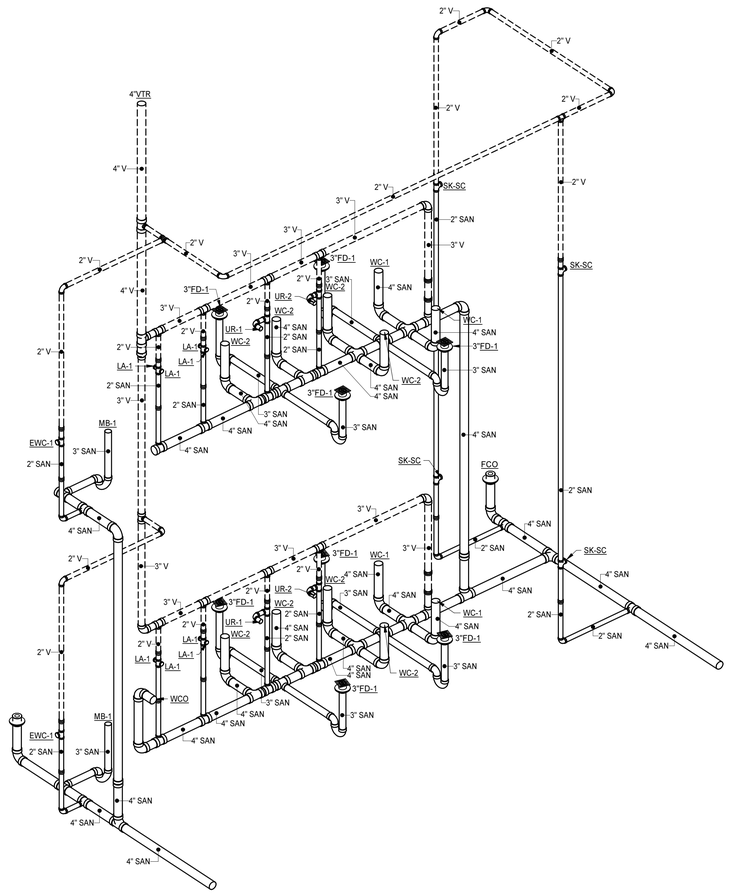
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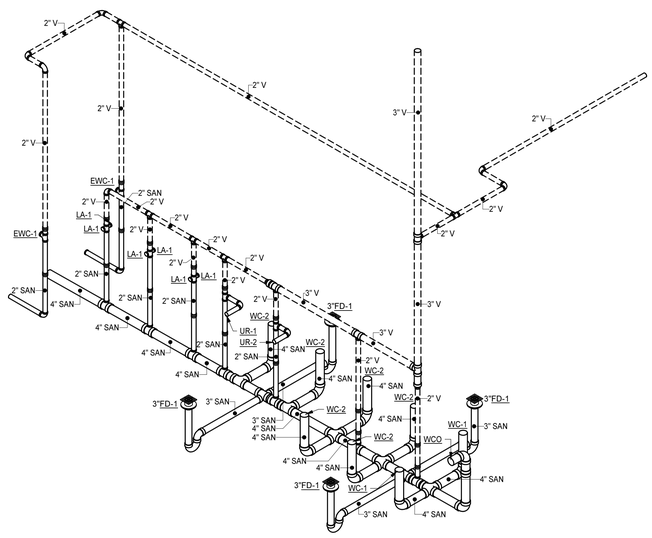
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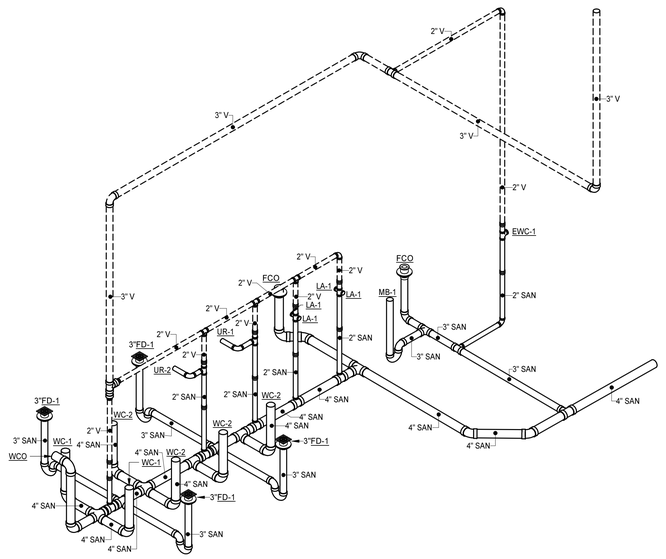
SANITARY RISER DIAGRAM - BATHROOM GROUP AREA E
NO SCALE



SANITARY RISER DIAGRAM - BATHROOM GROUP AREA D
NO SCALE



SANITARY RISER DIAGRAM - A152 & A153
NO SCALE



SANITARY RISER DIAGRAM - A137 & A138
NO SCALE

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER BRITT WHITE

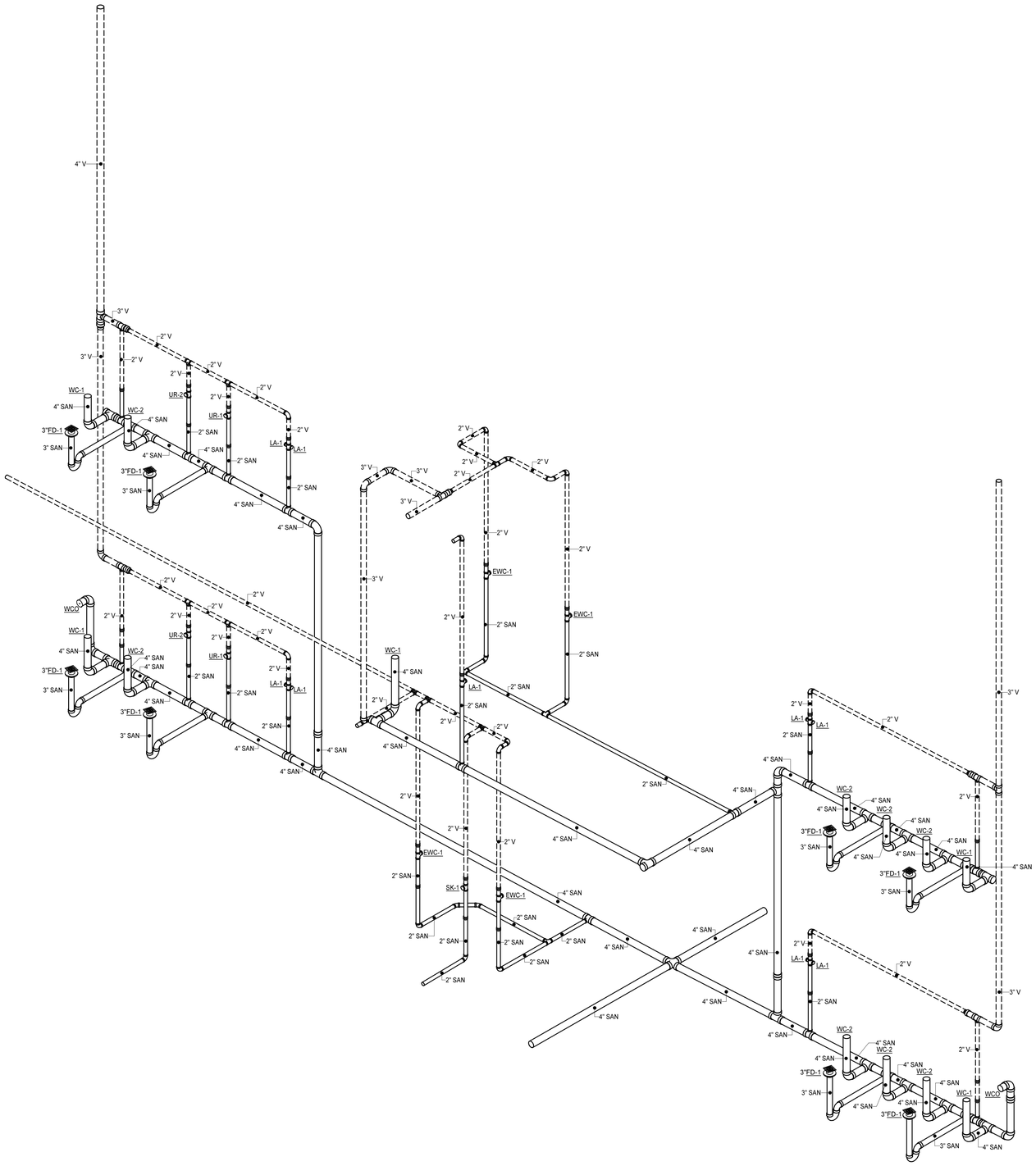
PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

SANITARY RISER DIAGRAMS

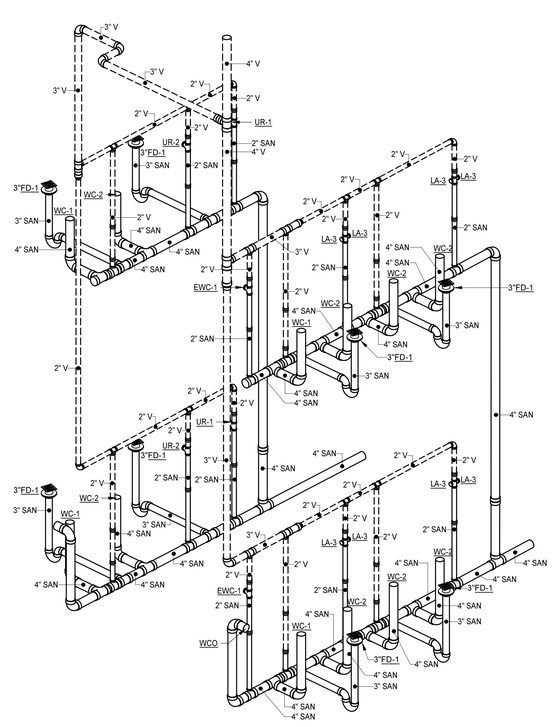
P9.8

8/2/2024 7:48:56 AM



SANITARY RISER DIAGRAM - BATHROOM GROUP AREA C

NO SCALE



SANITARY RISER DIAGRAM - BATHROOM GROUP AREA H

NO SCALE

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER PATRICK T WHITE

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

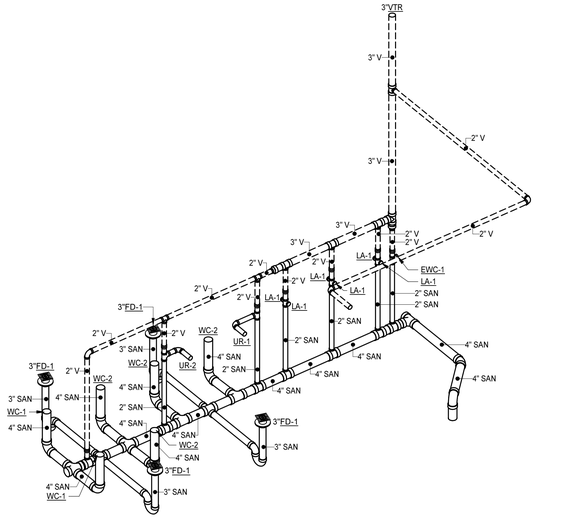
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REVISIONS	
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SANITARY RISER DIAGRAMS

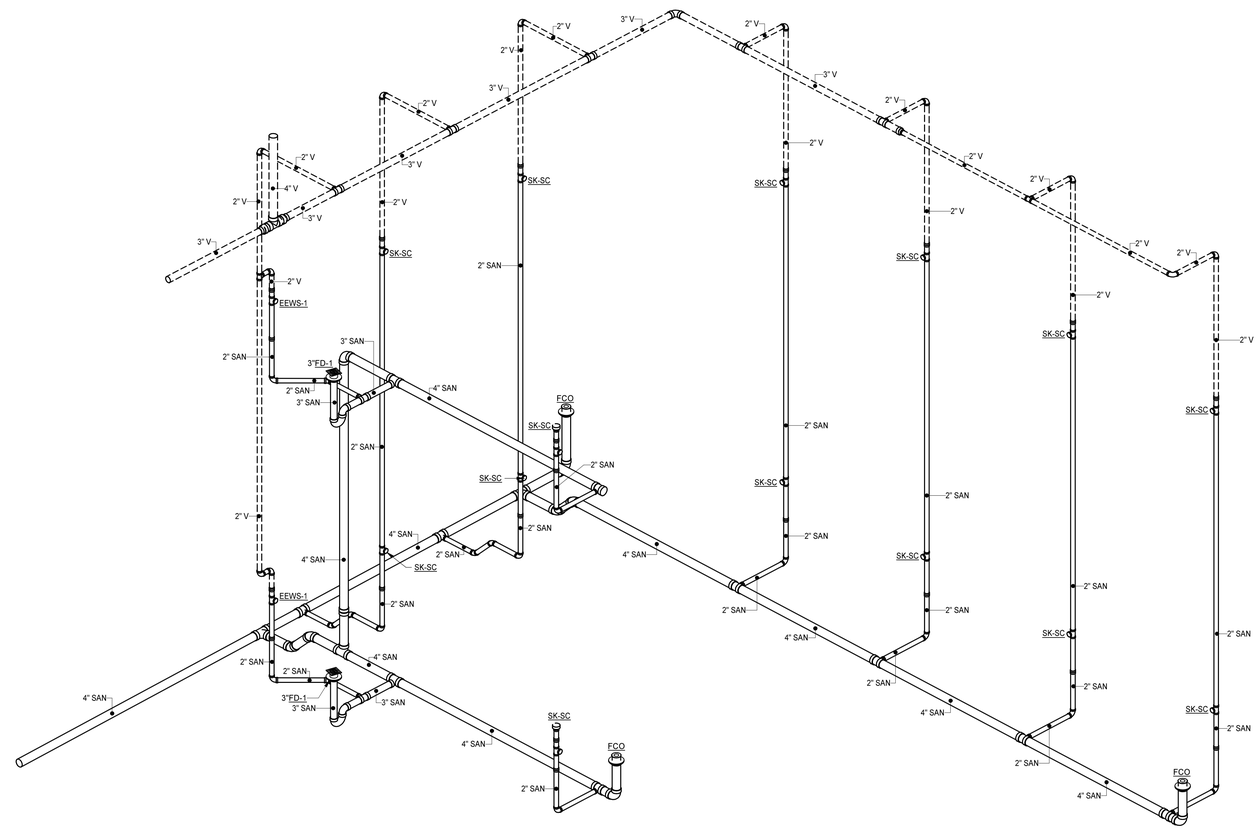
P9.9

8/2/2024 7:48:59 AM



SANITARY RISER DIAGRAM - F202 & G222

NO SCALE



SANITARY RISER DIAGRAM - TYP SCIENCE LAB

NO SCALE

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER SCOTT T WHITE

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
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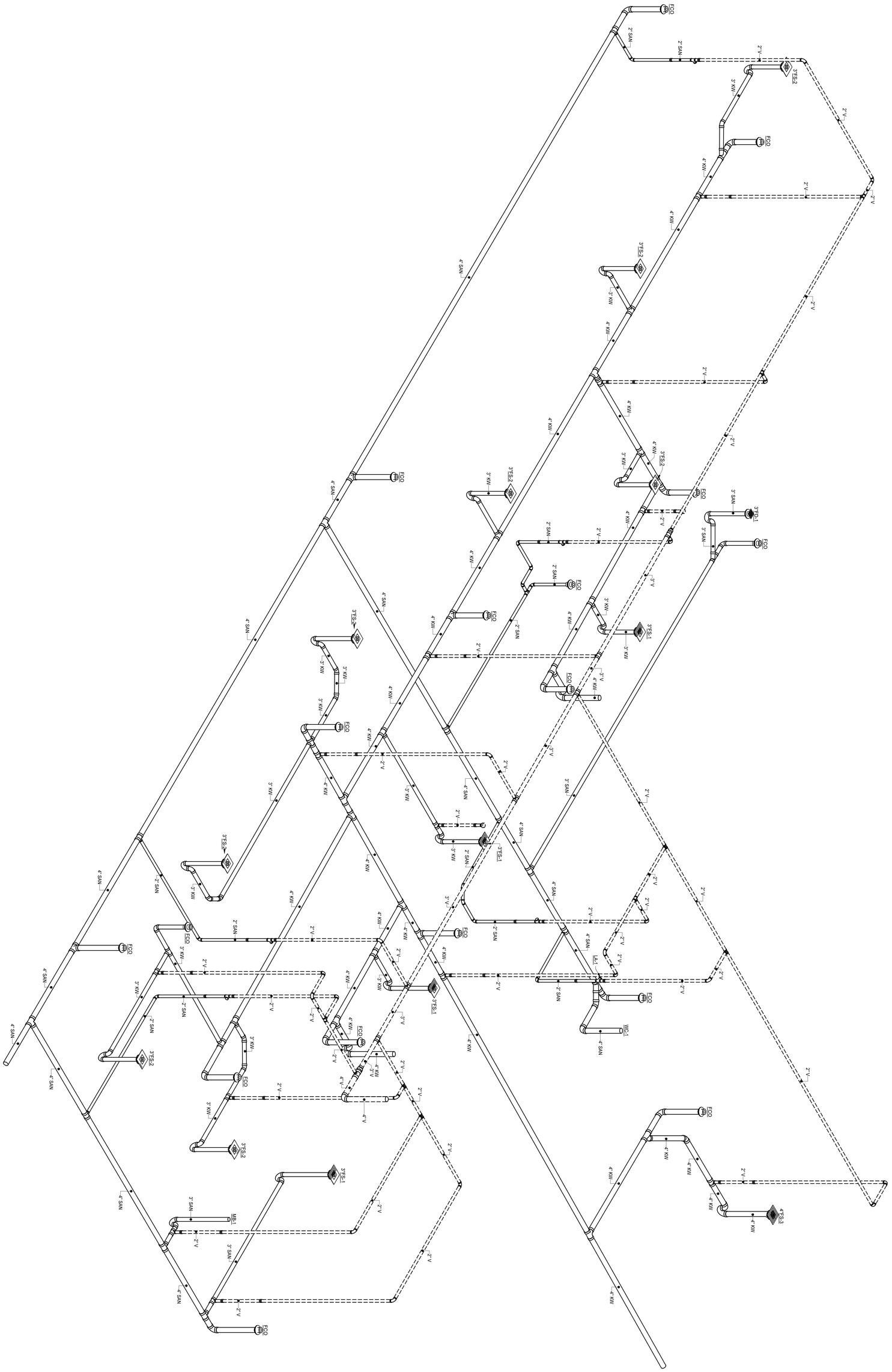
SANITARY RISER DIAGRAMS

P9.10

8/2/2024 7:49:01 AM

SANITARY RISER DIAGRAM - KITCHEN

NO SCALE



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO. 631316
DATE AUGUST 2, 2024

DATE	REVISIONS DESCRIPTION

SANITARY RISER DIAGRAMS

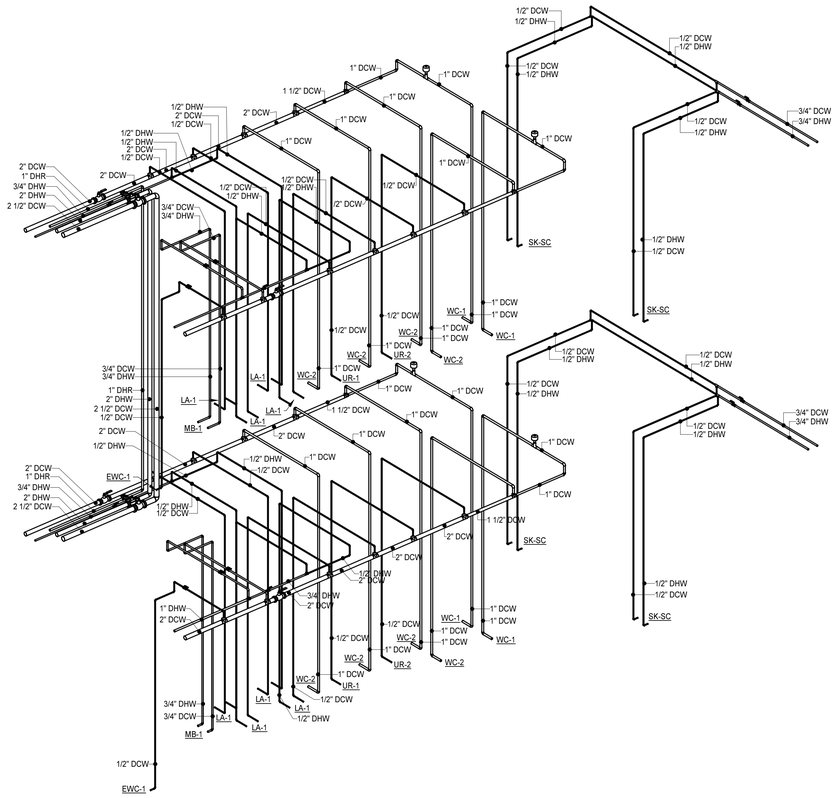
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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER CHRISTOPHER T. HUNTER

MOSELEYARCHITECTS

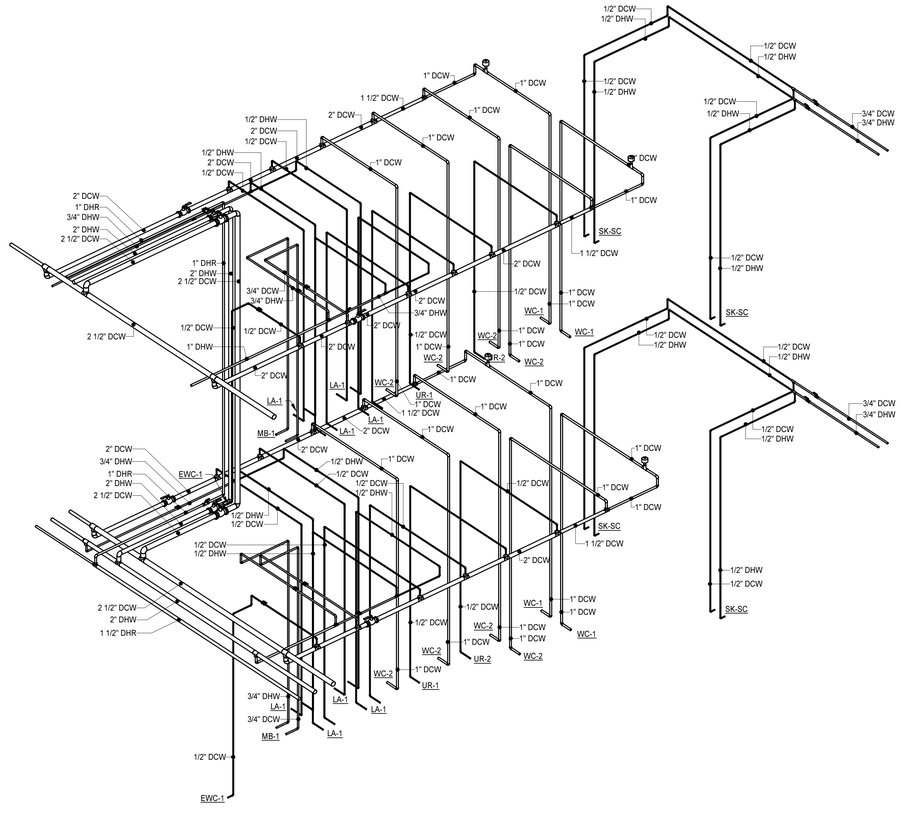
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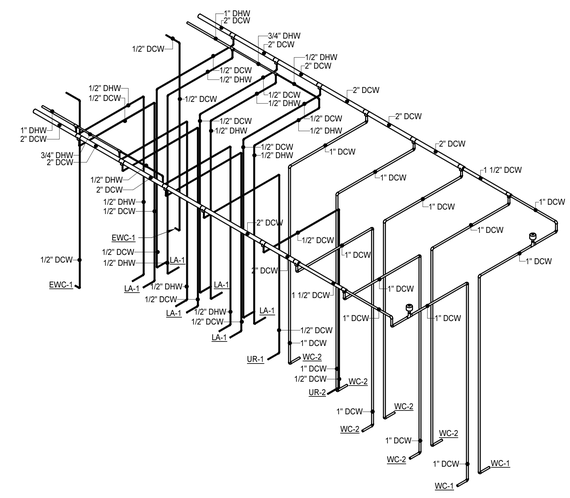
DOMESTIC RISER DIAGRAM - BATHROOM GROUP AREA E

NO SCALE



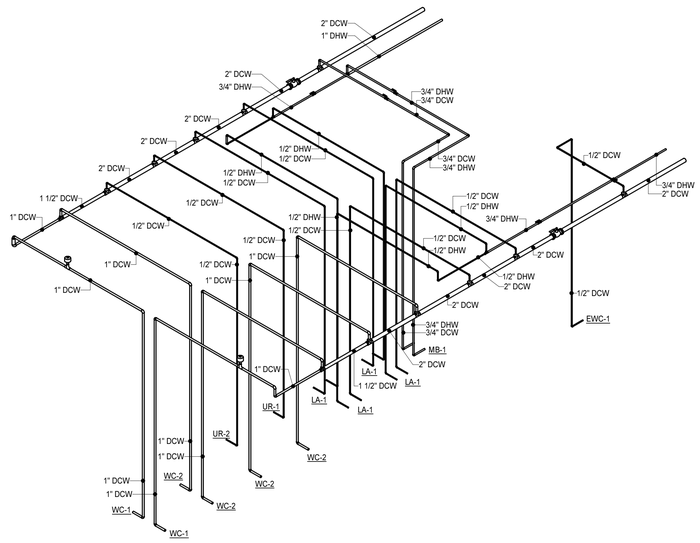
DOMESTIC RISER DIAGRAM - BATHROOM GROUP AREA D

NO SCALE



DOMESTIC RISER DIAGRAM - A152 & A153

NO SCALE



DOMESTIC RISER DIAGRAM - A137 & A138

NO SCALE

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER MATTHEW WHITE

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
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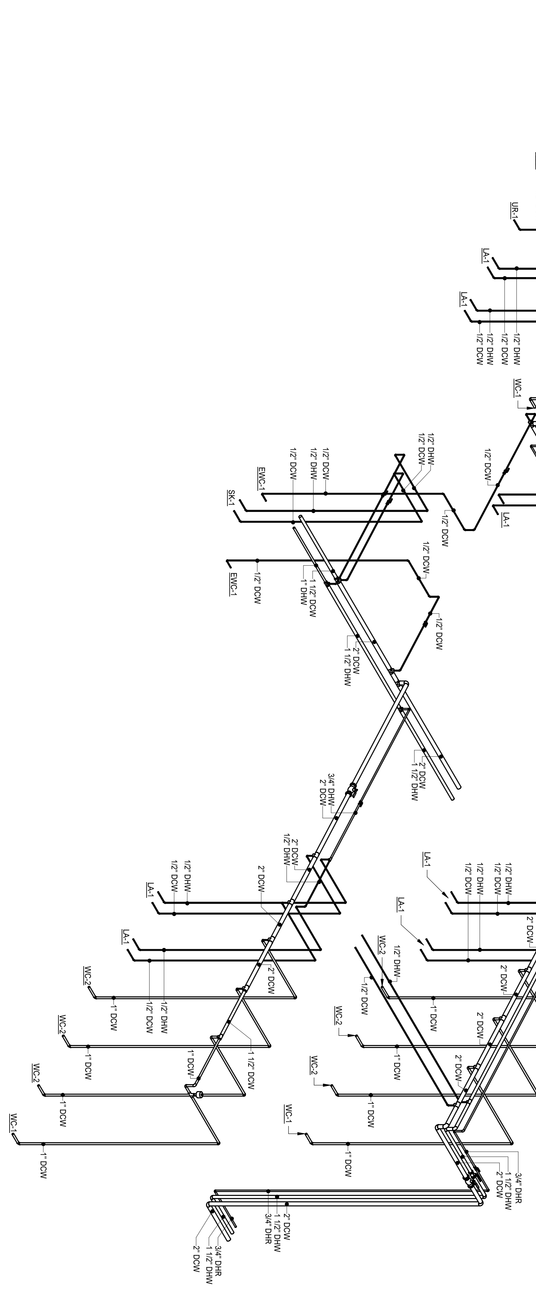
DOMESTIC RISER DIAGRAMS

P9.12

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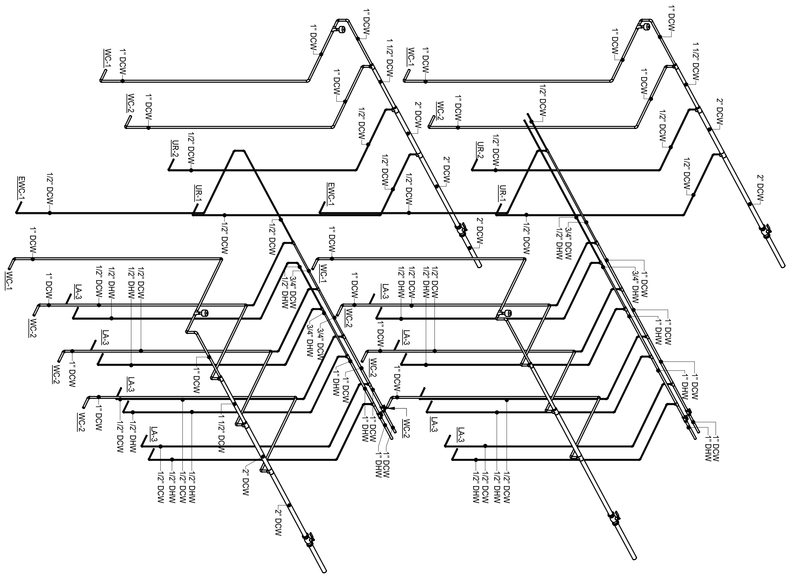
DOMESTIC RISER DIAGRAM - BATHROOM GROUP AREA C

NO SCALE



DOMESTIC RISER DIAGRAM - BATHROOM GORUP AREA H

NO SCALE



PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 6313101
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

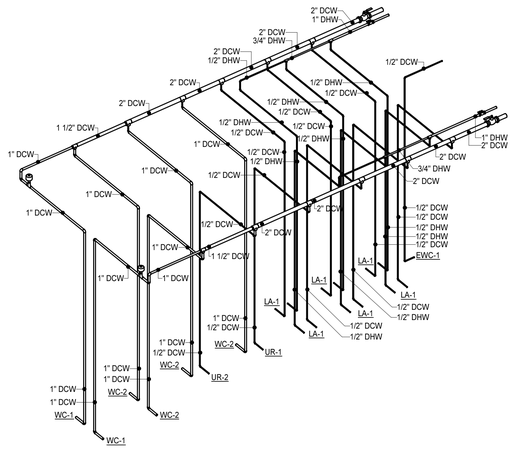
DOMESTIC RISER DIAGRAMS

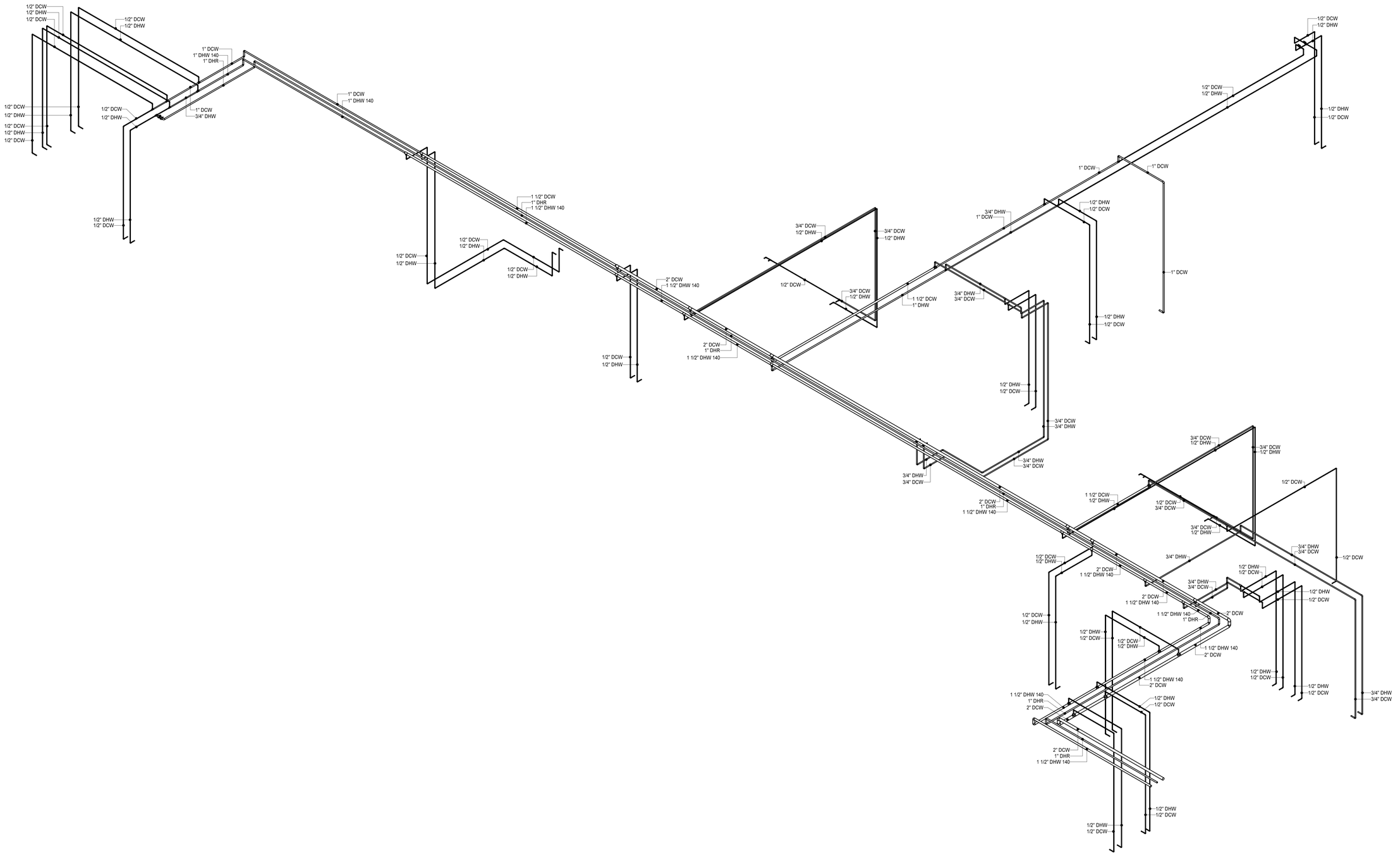
P9.13

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2" DCW
1" DHW
2" DCW
3/4" DHW
2" DCW
1/2" DHW
2" DCW
1 1/2" DCW
1" DCW
1" DCW
1



DOMESTIC RISER DIAGRAM - KITCHEN

NO SCALE

MOSELEYARCHITECTS

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NORTH CAROLINA PROFESSIONAL SEAL 043951 6/5/24 ENGINEER SCOTT T WHITE

PENDER COUNTY SCHOOLS K-8 SCHOOL

Pender County Schools
Highway 210, Hampstead, NC 28443

PROJECT NO: 631310
DATE: AUGUST 2, 2024

REVISIONS	
DATE	DESCRIPTION

DOMESTIC RISER DIAGRAMS

P9.15

8/2/2024 7:49:17 AM