



<Addendum #6>

NJSDA
1 West State Street
Trenton, NJ 08625
Phone: 609-292-8775
Fax: 609-656-4642

Date: September 20, 2012

PROJECT #: EL-0006-C01

DESCRIPTION: Elizabeth Academic High School

This addendum shall be considered part of the Bid Documents issued in connection with the referenced project. Should information conflict with the Bid Documents, this Addendum shall supercede the relevant information in the Bid Documents.

A. EXTENSION

The following dates and times replace the dates and times set forth in the Request for Proposal issued on July 12, 2012, conveyed at the Pre-Bid Meeting conducted on July 18, 2012 and set forth in Addendum #1 issued on August 24, 2012:

- **Thursday, October 4, 2012 by 5:00 PM** - Technical Proposal and Price Proposal due at NJSDA, 1 West State Street, Trenton, NJ 08625-0991. Faxed or e-mailed submittals shall not be accepted.
- **Thursday, October 18, 2012 at 2:00 PM** - Price Proposals publicly opened and read aloud at NJSDA, 1 West State Street, Trenton, NJ 08625-0991.

B. CLARIFICATIONS

B.1 Question: In Addendum #4, there are several references (A.6, A.7, A.9, A.11 & A.12) in the RFI Answers indicating that the Door Schedule will be revised in the next addendum. Addendum #5 that was issued on 9/18/12 does not include a revised Door Schedule. Will another Addendum be issued? Please advise.

Answer: The Door Schedule will not be revised at this time. The RFI responses given to these references (A.6, A.7, A.9, A.11 & A.12) in Addendum #4, issued on 9/14/12 is all the information needed to prepare the Price Proposals. Addendum #5 was issued electronically on 9/17/12.

C ADDENDUM TO DRAWINGS

C.1 Drawing P-001

Revised Drawing P-001:
Attachment #1 – Revised Drawing P-001, dated 9-17-12.

C.2 Drawing P-104A

Revised Drawing A-104A:
Attachment #2 – Revised Drawing P-104A, dated 9-17-12.

C.3 Drawing P-104B

Revised Drawing P-104B:
Attachment #3 – Revised Drawing P-104B, dated 9-17-12.

C.4 Drawing P-105A

Revised Drawing P-105A:
Attachment #4 – Revised Drawing P-105A, dated 9-17-12.

C.5 Drawing P-201

Revised Drawing P-201:
Attachment #5 – Revised Drawing P-201, dated 9-17-12.

C.6 Drawing P-202

Revised Drawing P-202:
Attachment #6 – Revised Drawing P-202, dated 9-17-12.

C.7 Drawing P-203

Revised Drawing P-203:
Attachment #7 – Revised Drawing P-203, dated 9-17-12.

C.8 Drawing P-204

Revised Drawing P-204:
Attachment #8 – Revised Drawing P-204, dated 9-17-12.

C.9 Drawing P-501

Revised Drawing P-501:
Attachment #9 – Revised Drawing P-501, dated 9-17-12.

C.10 Drawing P-502

Revised Drawing P-502:
Attachment #10 – Revised Drawing P-502, dated 9-17-12.

C.11 Drawing M-101B

Revised Drawing M-101B:
Attachment #11 – Revised Drawing M-101B, dated 9-17-12.

C.12 Drawing M-102A

Revised Drawing M-102A:
Attachment #12 – Revised Drawing M-102A, dated 9-17-12.

C.13 Drawing MP-101A

Revised Drawing MP-101A:
Attachment #13 – Revised Drawing MP-101A, dated 9-17-12.

C.14 Drawing MP-101B

Revised Drawing MP-101B:
Attachment #14 – Revised Drawing MP-101B, dated 9-17-12.

C.15 Drawing MP-102A

Revised Drawing MP-102A:
Attachment #15 – Revised Drawing MP-102A, dated 9-17-12.

C.16 Drawing MP-102B

Revised Drawing MP-102B:
Attachment #16 – Revised Drawing MP-102B, dated 9-17-12.

C.17 Drawing MP-103A

Revised Drawing MP-103A:
Attachment #17 – Revised Drawing MP-103A, dated 9-17-12.

C.18 Drawing MP-103B

Revised Drawing MP-103B:
Attachment #18 – Revised Drawing MP-103B, dated 9-17-12.

C.19 Drawing MP-104A

Revised Drawing MP-104A:
Attachment #19 – Revised Drawing MP-104A, dated 9-17-12.

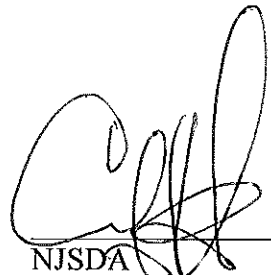
C.20 Drawing MP-104B

Revised Drawing MP-104B:

Attachment #20 – Revised Drawing MP-104B, dated 9-17-12.

End of Addendum No. #6

Any bidder attempting to contact government officials (elected or appointed), including NJSDA Board members, NJSDA Staff, and Selection Committee members in an effort to influence the selection process may be immediately disqualified.


NJSDA _____ Date 9.20.12
Carl Valenti

<Addendum #6>

NJSDA
1 West State Street
Trenton, NJ 08625
Phone: 609-292-8775
Fax: 609-656-4642

Date: September 20, 2012

PROJECT #: EL-0006-C01

DESCRIPTION: Elizabeth Academic High School

Addendum No. 6

Acknowledgement of Receipt of Addendum

Contractor must acknowledge the receipt of the Addendum by signing in the space provided below and returning via fax to 609-656-4642, or in an attachment via E-mail to djohnson@njsda.gov. Signed acknowledgement must be received prior to the Technical Proposal and Price Proposal Due Date. Acknowledgement of the Addendum must also be made in the Technical Proposal Submission.

Signature

Print Name

Company Name

Date



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #1 – Revised Drawing P-001

9/17/12

PLUMBING LEGEND AND SYMBOLS LIST

----- VENT LINE		GAS COOK		GAUSE WITH GAUSE COOK 1/2 SHOWER (WATER)
--- WASTE LINE		TEMPERATURE MIXING VALVE (3WAY)		WATER HAMMER ARRESTOR
--- NATURAL GAS LINE		AUTOMATIC CONTROL VALVE		WALL HYDRANT (NON-FREEZE)
--- DOMESTIC COLD WATER		TEMPERATURE & PRESSURE RELIEF VALVE		ROOF DRAIN
--- DOMESTIC HOT WATER		RELIEF / SAFETY VALVE		DECK DRAIN
--- DOMESTIC HOT WATER REGULATOR		STRAINER		FLOOR SINK
--- ST --- STORM DRAIN		PIPE RISING UP		FLOOR DRAIN
--- SAN --- SANITARY LINE		PIPE DROPPING DOWN		FLOOR SINK FLOOR DRAIN
--- ST --- UNDERGROUND STORM DRAIN		CONCENTRIC REDUCER		FLOOR SINK FLOOR DRAIN
--- SAN --- UNDERGROUND SANITARY LINE		ECCENTRIC REDUCER		FLOOR SINK FLOOR DRAIN
--- C --- CONDENSATE LINE (AIR CONDITIONING)		UNION		FLOOR SINK FLOOR DRAIN
--- DIRECTION OF FLOW ARROW		ANCHOR		FLOOR SINK FLOOR DRAIN
		GUIDE		FLOOR SINK FLOOR DRAIN
		FLEXIBLE CONNECTION		FLOOR SINK FLOOR DRAIN
		THERMOSTATIC		FLOOR SINK FLOOR DRAIN
		NON FREEZE WALL HYDRANT		FLOOR SINK FLOOR DRAIN
		ELECTRICAL HEAT TRACING W/INSULATION		FLOOR SINK FLOOR DRAIN
				FLOOR SINK FLOOR DRAIN
				FLOOR SINK FLOOR DRAIN

ABBREVIATIONS

AVY AUTOMATIC AIR VENT	ELEV ELECTRIC	SAN SANITARY
ABV ABOVE	ELEV ELEVATOR	SGH SCHEDULE
AD ACCESS DOOR	ENT ENTERING	LV6 LEAVING
AF ABOVE FINISHED FLOOR	EQ EQUAL	MAX MAXIMUM
ALT ALTERNATE	EQJP EQUIPMENT	MBH THOUSANDS OF BTU PER HOUR
AP ACCESS PANEL	EXIST EXISTING	MC MECHANICAL CONTRACTOR
APPROX APPROXIMATE	EXST EXISTING	MD MEDIUM
ATP AUTOMATIC TRAP PRIMER	°F DEGREES FAHRENHEIT	MFR MANUFACTURER
AVR AVERAGE	FA FRESH AIR	MIN MINIMUM
BLDG BUILDING	FAI FRESH AIR INLET	MISC MISCELLANEOUS
BLM BELOW	FD FLOOR DRAIN	MTD MOUNTED
BTU BRITISH THERMAL UNIT	FIN FINISHED	NC NORMALLY CLOSED
CAB CABINET	FLEX FLEXIBLE	NEG NEGATIVE
CAP CAPACITY	FLR FLOOR	NG NOT IN CONTRACT
CFM CUBIC FEET PER HOUR	FP FIRE PROTECTION	NO NUMBER
CFH CUBIC FEET PER HOUR	FM FEET PER MINUTE	NO NORMALLY OPEN
CFM CUBIC FEET PER MINUTE	FPS FEET PER SECOND	NOM NOMINAL
C1 CAST IRON	FT FEET	NTS NOT TO SCALE
C2 CENTER LINE	GA GAUGE	OC OCCUPIED
C6 CEILING	GAL GALLON	OD OVERFLOW DRAIN
COL COLUMN	GALV GALVANIZED	PART PARTIAL
CONC CONCRETE	GC GENERAL CONTRACTOR	PD PRESSURE DROP
COND CONDENSATE	GD GARAGE DRAIN	PC PLUMBING CONTRACTOR
CONN CONNECTION	GPD GALLONS PER DAY	PERF PERFORATED
CONT CONTINUATION	GCO GRADE CLEANOUT	PH PHASE
CONTR CONTRACTOR	GM GALLONS PER HOUR	POS POSITIVE
CP CONCRETE PIPE	GN GALLONS PER MINUTE	PRESS PRESSURE
CU CUBIC	H HEIGHT	PSI POUNDS PER SQUARE INCH
DEPT DEPARTMENT	HD HEAD	QUAN QUANTITY
DET DETAIL	HP HORSEPOWER	QUAN QUANTITY
DIA DIAMETER	HR HOUR	RCP REINFORCED CONCRETE PIPE
D148 DIAPHRM	HZ HERTZ	RD ROOF DRAIN
DN DOWN	ID INTERNAL DIAMETER	RSO REQUIRED
DN6 DRAWING	IDM INDIRECT NASTE	RET RETURN
EA EACH	IN INCHES	RM ROOM
EG ELECTRICAL CONTRACTOR	INV INVERT	RPM REVOLUTIONS PER MINUTE
EL ELEVATION	KN KILOWATT	RVC RAINWATER CONDUCTOR
	L LENGTH	
	Lb/M POUND(S)	
	LBS/HR POUNDS PER HOUR	

DRAINAGE SPECIALTIES LIST

- NOTE: REFER TO PLANS AND RISER DIAGRAMS FOR LINE SIZES
- FD-1 (FINISHED SPACES)
CAST-IRON DRAIN BODY WITH FLASHING COLLAR AND ADJUSTABLE SQUARE NICKEL BRONZE TOP, TRAP PRIMER CONNECTION.
J.R. SMITH FIGURE 2010G-B04N-BP00
- FD-2 (SHOWER DRAINS)
CAST-IRON DRAIN BODY WITH FLASHING COLLAR AND ADJUSTABLE ROUND NICKEL BRONZE TOP
J.R. SMITH FIGURE 2010G-A04N
- FD-3 (UNFINISHED SPACES)
CAST-IRON DRAIN BODY WITH FLASHING COLLAR WITH 12" ROUND CAST-IRON TRACTOR GRATE AND SOLID PRE-CASTING SEDIMENT BUCKET.
J.R. SMITH FIGURE 2142C
NOTE: PROVIDE DEEP SEAL TRAP
- FD-4 (FINISHED SPACES, HIGH SOLIDS AREAS)
CAST-IRON DRAIN BODY WITH FLASHING COLLAR AND ADJUSTABLE SQUARE TOP NICKEL BRONZE TOP, TRAP PRIMER CONNECTION, SEDIMENT BUCKET.
J.R. SMITH FIGURE 2010G-B04N-BP00
- FD-5 8" ROUND GRATE FIXED HEIGHT ACID RESISTANT POLYPROPYLENE PLASTIC FLOOR DRAIN, 3" DIAMETER "FUSEAL" OUTLET. GEORGE FISCHER SLOANE, INC. MODEL # 751
NOTE: PROVIDE DEEP SEAL TRAP
- FS (KITCHEN-INDIRECT WASTE/FLOOR DRAIN)
CAST-IRON FLANGED RECEPTOR WITH ACID RESISTANT COATED INTERIOR AND HALF GRATE NICKEL BRONZE TOP AND RIM, DOME BOTTOM STRAINER.
J.R. SMITH FIGURE 3100-12
NOTE: PROVIDE DEEP SEAL TRAP
- SD CAST-IRON BODY ROOF DRAIN WITH ADJUSTABLE EXTENSION SLEEVE, REVERSIBLE COLLAR, COMBINED FLASHING CLAMP AND GRAVEL STOP, POLYETHYLENE DOME, NO-HUB OUTLET, SUMP RECEIVER AND UNDER DECK CLAMP. J.R. SMITH FIGURE 10191-R-6
- SD CAST-IRON BODY STANDPIPE TYPE ROOF OVERFLOW DRAIN WITH ADJUSTABLE EXTENSION SLEEVE, COMBINED FLASHING CLAMP AND GRAVEL STOP, POLYETHYLENE DOME, PVC STANDPIPE, NO-HUB OUTLET, SUMP RECEIVER AND UNDER DECK CLAMP. J.R. SMITH FIGURE 10147-R-2
- SD CAST IRON BODY DECK DRAIN, PERFORATED STAINLESS STEEL EXTENSION WITH SECONDARY FLASHING CLAMP, POLISHED BRONZE TOP AND HEAVY DUTY SECURED GRATE. J.R. SMITH FIGURE 1419.
- SI-1 GREASE INTERCEPTOR JR SMITH MANUAL CLEANING ENCLOSED TYPE MODEL 8000 SERIES. 50 GPM FLOW RATE, 100 LB GREASE CAPACITY.
- AMT-1 ACID WASTE TANK ORION MODEL STYLE A 150 GALLONS 31X48 FOR USE UP TO 42 STINKS.
- AMT-2 ACID WASTE TANK ORION MODEL STYLE A 150 GALLONS 31X48 FOR USE UP TO 42 STINKS.

PLUMBING FIXTURE SCHEDULE

1. MANUFACTURERS NOTED ARE NOTED FOR BASIS OF DESIGN. ALTERNATIVE MANUFACTURERS OR APPROVED EQUAL IN SPECIFICATIONS.
2. REFER TO ARCHITECTURAL, ROOF ELEVATIONS FOR FIXTURE HEIGHTS AND ANSI 117.1-2009 REQUIRED FIXTURE HEIGHTS.
- E1-1 (ANSI 117.1 - 2009 HEIGHT REQUIREMENTS)
WHITE VITREOUS CHINA, WALL MOUNTED, TOP SPRAY, BACK OUTLET, ELONGATED BOWL SIFON, JET ACTION WATER CLOSET W/ BOLT CAPS, 1-20 GALLONS/FLUSH, "AMERICAN STANDARD" APVAL, FLUSHING MODEL 350, 120 IN. SLOAN "OPTIMA" BATTERY OPERATED SENSOR FLUSH VALVE, MODEL 3111-1, 20. GLSENITE #45 WHITE PLASTIC OPEN FRONT SEAT, LESS COVER.
DPU# 6 RPU# 8 MIN. CONN. SIZES: SAN# 4" VENT# 2" CWP 1" HWH NA
- E1-2
WHITE VITREOUS CHINA, WALL MOUNTED, TOP SPRAY, BACK OUTLET, ELONGATED BOWL SIFON, JET ACTION WATER CLOSET W/ BOLT CAPS, 1-20 GALLONS/FLUSH, "AMERICAN STANDARD" APVAL, FLUSHING MODEL 350, 120 IN. SLOAN "OPTIMA" BATTERY OPERATED SENSOR FLUSH VALVE, MODEL 3111-1, 20. GLSENITE #45 WHITE PLASTIC OPEN FRONT SEAT, LESS COVER.
DPU# 6 RPU# 8 MIN. CONN. SIZES: SAN# 4" VENT# 2" CWP 1" HWH NA
- E1-3
WHITE VITREOUS CHINA LAVATORY WITH OVERFLOW, 4 INCH FAUCET CENTERS, AND DRILLED FOR CONCEALED ARN CARRIERS. PROVIDE LAVATORY COMPLETE WITH WALL MOUNTED CARRIER, CENTER SET FAUCET WITH METAL LEVER HANDLES, 0.5 GPM FLOW CONTROL, CHROME PLATED SEMI-CAST BRASS P-T-RAP, CHROME PLATED SUPPLIES WITH LOOSE KEY STOPS, AND CHROME PLATED BRASS GRID STRAINER WITH TALLPIECE. PROVIDE THERMOSTATIC MIXING VALVE FORKS MODEL LFD40MS. PROVIDE INSULATION KIT FOR P-T-RAP AND SUPPLIES AND FAUCET SHALL BE PROVIDED WITH 4-INCH MIST OPERATING HANDLES, "AMERICAN STANDARD" LUCERNE MODEL 0559, 012; FAUCET "CHICAGO" 802A-V317X; PROVIDE INSULATION KIT FOR LAVATORIES COMPLIANT WITH BARRIER FREE HEIGHT REQUIREMENTS.
- DPU# 1 RPU# 1 MIN. CONN. SIZES: SAN# 1-1/4" VENT# 1-1/4" CWP 1/2" HWH 1/2"
- E1-4
WHITE VITREOUS CHINA, WALL HANG, BACK SPID, BACK OUTLET, SIFON WASHOUT FLUSH ACTION URINAL, 5 GALLONS/FLUSH "AMERICAN STANDARD" OR EQUAL MODEL #690.001 W/ SLOAN "OPTIMA" 186 SENSOR OPERATED FLUSH VALVE W/ WALL BOX, J.R. SMITH FIGURE 8568 OFF FLOOR SUPPORT, TRANSFORMER WHERE INDICATED ON PLANS.
- DPU# 5 RPU# 5 MIN. CONN. SIZES: SAN# 2" VENT# 1-1/4" CWP 3/4" HWH NA
- E1-5
25" L X 22" W X 10" D X 18 GAUGE TYPE 302 STAINLESS STEEL SINGLE COMPARTMENT SELF RIMMING COUNTER SINK WITH 3 HOLE REAR FAUCET DECK, ELKAY "LUSTERTONE" MODEL # PLR2022-10, SIFONS "SYMMETRI" MODEL # S-240-LNG FAUCET W/ MIST BLADE HANDLES. PROVIDE GRID STRAINER, J. R. SMITH FIGURE 8730 SUSPENDED TYPE SOLIDS INTERCEPTORS, FLEXIBLE SUPPLIES AND LOOSE-KEY ANGLE STOPS OR EQUAL.
- DPU# 1 RPU# 1 MIN. CONN. SIZES: SAN# 1-1/2" VENT# 1-1/4" CWP 1/2" HWH 1/2"
- E1-6
25" L X 22" W X 8-1/2" D X 18 GAUGE TYPE 302 STAINLESS STEEL SINGLE COMPARTMENT SELF RIMMING "BARRIER FREE" COMPLIANT COUNTER SINK WITH 3 HOLE REAR FAUCET DECK, ELKAY "LUSTERTONE" MODEL # LR2022-22, *LK-48 BASKET STRAINER AND TALLPIECE, ELKAY BRIVEL 600562X MODEL LR2424RHM MIST BLADE HANDLES. PROVIDE, 11 GAUGE MIN. CHROME PLATED TUBULAR BRASS TRAP, FLEXIBLE SUPPLIES AND LOOSE-KEY ANGLE STOPS OR EQUAL.
- DPU# 1 RPU# 1 MIN. CONN. SIZES: SAN# 1-1/2" VENT# 1-1/4" CWP 1/2" HWH 1/2"
- E1-7
SCIENCE LAB SINK (REFER TO ARCH.) PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR COLD AND HOT WATER, GAS AND WASTE. PROVIDE ACID RESISTANT TRAP, FLEXIBLE SUPPLIES AND LOOSE-KEY ANGLE STOPS.
- DPU# 1 RPU# 1 MIN. CONN. SIZES: SAN# 1-1/2" VENT# 1-1/4" CWP 1/2" HWH 1/2"
- E1-8
SCIENCE LAB SINK (REFER TO ARCH.) PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR COLD AND HOT WATER, GAS AND WASTE. PROVIDE ACID RESISTANT TRAP, FLEXIBLE SUPPLIES AND LOOSE-KEY ANGLE STOPS.
- DPU# 1 RPU# 1 MIN. CONN. SIZES: SAN# 1-1/2" VENT# 1-1/4" CWP 1/2" HWH 1/2"
- E1-9
SCIENCE LAB SINK (REFER TO ARCH.) PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR COLD AND HOT WATER, GAS AND WASTE. PROVIDE ACID RESISTANT TRAP, FLEXIBLE SUPPLIES AND LOOSE-KEY ANGLE STOPS.
- DPU# 1 RPU# 1 MIN. CONN. SIZES: SAN# 1-1/2" VENT# 1-1/4" CWP 1/2" HWH 1/2"
- E1-10
EMERGENCY EYEWASH/SHOWER UNIT BRADLEY MODEL #5-19 310P WITH 519-2100 EPX 25 THERMOSTATIC MIXING VALVE
- DPU# 0 RPU# 1 MIN. CONN. SIZES: SAN# NA VENT# NA CWP 1/2" HWH 1/2"
- E1-11
26" L X 24" X 12" HIGH TERRAZZO TOP BASIN W/ 6" DROP FRONT, STAINLESS STEEL CAPS ON ALL CURBS, FIAT MODEL #TB-3003 W/ #850-AA SERVICE FAUCET, #850-AA HOSE AND BRACKET, #850-CG HOE BRACKET, #850-3624 STAINLESS STEEL WALL GUARD PANELS OR EQUAL.
- DPU# 3 RPU# 3 MIN. CONN. SIZES: SAN# 3" VENT# 1-1/2" CWP 1/2" HWH 1/2"
- E1-12
PRESSURE BALANCING SHOWER MIXING VALVE W/ LEVER HANDLE, INTEGRAL SERVICE STOPS, ADJUSTABLE HIGH LIMIT (FIELD SET TO 110 DEGREES), INSTITUTIONAL SHOWER HEAD W/ ADJUSTABLE SPRAY, WANDL INSTANT HEX-HEAD FASTENERS, SYMONS THERMAL MODEL # C-6-1-285-X OR EQUAL, (SHOWER ENCLOSURE BY ARCHITECT)
- DPU# 1 RPU# 2# MIN. CONN. SIZES: SAN = 2" VENT = 1-1/2" CWP = 1/2" HWH = 1/2"
- E1-13
25" L X 22" W X 5-1/2" D X 18 GAUGE TYPE 302 STAINLESS STEEL SINGLE COMPARTMENT SELF RIMMING "BARRIER FREE" COMPLIANT COUNTER SINK WITH 3 HOLE REAR FAUCET DECK, ELKAY "LUSTERTONE" MODEL # LR2022-22, *LK-48 BASKET STRAINER AND TALLPIECE, ELKAY KITCHEN FAUCET, MODEL LR2424RHM MIST BLADE HANDLES. PROVIDE, 11 GAUGE MIN. CHROME PLATED TUBULAR BRASS TRAP, FLEXIBLE SUPPLIES AND LOOSE-KEY ANGLE STOPS OR EQUAL.
- DPU# 1 RPU# 1 MIN. CONN. SIZES: SAN# 1-1/2" VENT# 1-1/4" CWP 1/2" HWH 1/2"
- E1-14
DUAL LEVEL WALL MOUNTED ACCESS BARREIR FREE MODEL LEAD FREE DESIGN ELECTRIC WATER COOLER 7.5 GPM RATED CAPACITY WALL MOUNTED ALL STAINLESS STEEL CONSTRUCTION, 1/5 HP COMPRESSOR 115 V 570 RATED MATTS, 4.0 FULL LOAD AMPS "HALSEY TAYLOR" MODEL HYRND-ADA OR EQUAL, STANDARD STAINLESS STEEL FINISH.
- DPU# 0.5 RPU# .75 MIN. CONN. SIZES: SAN# 1-1/4" VENT# 1-1/4" CWP 1/2" HWH NA
- E1-15
18" L X 22" W X 5-1/2" D X 18 GAUGE TYPE 304 STAINLESS STEEL SINGLE COMPARTMENT "BARRIER FREE" COMPLIANT COUNTER SINK WITH 3 HOLE REAR WITH 1/4" OFFSET DRAIN ASSEMBLY, ELKAY MODEL # LR2022-150; PROVIDE WITH GRID DRAIN, ELKAY MODEL LK2424RHM 600562X FAUCET AND 4" MIST BLADE HANDLES PROVIDE, 11 GAUGE MIN. CHROME PLATED TUBULAR BRASS TRAP, FLEXIBLE SUPPLIES AND LOOSE-KEY ANGLE STOPS OR EQUAL.
- DPU# 1 RPU# 1 MIN. CONN. SIZES: SAN# 1-1/2" VENT# 1-1/4" CWP 1/2" HWH 1/2"
- E1-16
EYEWASH UNIT DECK MOUNT "SHIM" EYE WASH RIGHT OR LEFT HAND MOUNT, BRADLEY MODEL #519-2100 OR EL WITH 519-2100 MIXING VALVE.

PLUMBING EQUIPMENT LIST

1. MANUFACTURERS NOTED ARE NOTED FOR BASIS OF DESIGN. ALTERNATIVE MANUFACTURERS OR APPROVED EQUAL IN SPECIFICATIONS.
- HH-1 (BUILDING DISTRIBUTION)
A.O. SMITH POWER BURNER MODEL BTP-200-1250, 1,250,000 BTUH INPUT, 1212 GPM RECOVERY #100 DEG. RISE, 650 LBS 120V/1 PH, GAS BURNER WITH ELECTRIC FLAME GAUGE, VERTICAL TYPE, 12" DIA. VENT COLLAR, ASME CONSTRUCTION PRE-INSULATED ENAMELED STEEL JACKETED VERTICAL STORAGE TANK, A.O. SMITH MODEL T-750 ASME, 7500 GALLONS NOMINAL STORAGE CAPACITY.
- ET-1
BLAZER TYPE THERMO EXPANSION TANK ASME CONSTRUCTION 10-30 GAL. USUAL WORKING PRESSURE 0-80 PSIA. VALVE "HOSAL" MODEL ST-3010
- IN-1
IN-LINE CENTRIFUGAL CIRCULATOR, ALL BRONZE CONSTRUCTION 15 GPM @ 15' HD, 1/4 HP MOTOR, 115V-1 PH -60HZ WITH BUILT-IN OVERLOAD PROTECTION, B & B SERIES 60 OR EQUAL BY TAGO OR ARMSTRONG
- HH-2 (ELECTRIC)
STATE ULTRA FORCE MODEL SUP-100/150 NE, 150,000 BTUH INPUT, 455 EFF, 100 GALLONS, 175 GPM RECOVERY #100 DEG. RISE, 480 LBS 120V/1 PH, GAS BURNER WITH POWER VENTING USING 4" DIAMETER PVC PIPE FOR A TOTAL DISTANCE OF 120 EQUIVALENT FEET OF VENT PIPING.
- IN-2
IN-LINE CENTRIFUGAL CIRCULATOR, ALL BRONZE CONSTRUCTION 20 GPM @ 11' HD, 1/8 HP MOTOR, 115V-1 PH -60HZ WITH BUILT-IN OVERLOAD PROTECTION, B & B SERIES PR-1 OR EQUAL BY TAGO OR ARMSTRONG
- DPB-1
PACKAGED DUPLEX SCID MOUNTED VARIABLE SPEED THERMOLON DOMESTIC WATER BOOSTER SYSTEM WITH 55 GALLON ASME HYDRO-PNEUMATIC TANK 125 PSIG HP MOUNTED ADJACENT TO THE UNIT BY CONTRACTOR. THE SYSTEM DESIGN CAPACITY SHALL BE 220 GPM WHILE MAINTAINING 55 PSIG WITH A MINIMUM SUCTION PRESSURE OF 20 PSIG. EACH PUMP SHALL BE 15 HP @ 3500 RPM, 208 VOLTS 3 PHASE, 47 TYPICAL 120V ANSI PLANNED SUCTION AND DISCHARGE HEADERS MOUNTED ON COMMON STEEL BASE WITH ALL NECESSARY PIPING AND P.L.C. BASED CONTROLS FOR A COMPLETE INTEGRATED SYSTEM. PRESSURE SENSOR SENSING, NO-FLOW SHUTDOWN PROTECTION AND INDIVIDUAL PUMP THERMAL FUSE PROTECTION SYSTEM, UL-500A LISTED & LABELED NEMA 1 CONTROL PANEL WITH TWO EXTERNAL FUSED DISCONNECT SWITCHES WITH SINGLE POWER FEED CONNECTION SHORT CIRCUIT AND OVERLOAD PROTECTION FOR EACH VFD MOTOR CIRCUIT, 110 VOLT CONTROL TRANSFORMER, (2)-HWA SELECTORS & PI-ALT-P2 SYSTEM SELECTOR SWITCH, LED PILOT LIGHTS, LOW SUCTION PRESSURE FAIL-SAFE WITH ALARM LIGHT WITH AUTO RESTART FEATURES, REMOTE ALARM SIGNALS, PROVIDE WITH MANUFACTURER STARTER.
- ESP-1
ELEVATOR SUMP PUMP: PACKAGED PIT-CUT FREE DISCHARGE SYSTEM, 20 GPM @ 30 FT, 1/2 HP 115V/1PH MOTOR, OIL SENSOR FUSE CONTROL, ALARM, LIGHT & REMOTE ALARM CIRCUIT, SINGLE DIRECT FLUG IN POWER SOURCE STANOR, INC., ELEVATOR FIT OIL HANGER MODEL 550 PUMP.

GENERAL NOTES

- 1) ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL STANDARD PLUMBING CODE "2008" EDITION, HEALTH CODE FIRE CODE, INTERNATIONAL BUILDING CODE, NJ UNIFORM CONSTRUCTION CODE & ALL AMENDMENTS, AND THE ELIZABETH TOWNSHIP CODES.
- 2) PRIOR TO STARTING CONSTRUCTION, DETERMINE EXACT INVERT ELEVATION, SITE, SLOPE AND LOCATION OF NEW UTILITIES WHERE CONNECTIONS ARE TO BE MADE OR INTERFERE WITH EXISTING UTILITIES. VERIFY EXISTING AND PROPOSED UTILITIES, WORK BACK TOWARD AND FROM UTILITY CONNECTION FOR ALL PIPING SYSTEMS.
- 3) VERIFY WITH OWNER, PRIOR TO STARTING CONSTRUCTION, ALL UTILITIES THAT WILL BE AFFECTED BY THIS WORK.
- 4) EXCEPT WHERE OTHERWISE NOTED, TERMINATE ALL PIPING SYSTEMS WITH A 1/2" FROM BUILDING LINE.
- 5) INSTALL ALL NON-FREEZE WALL HYDRANTS ABOVE GRADE AT A DIMENSION OF 12" ABOVE FINAL GRADE.
- 6) INSTALL ALL WATER HAMMER ARRESTORS IN ACCORDANCE WITH THE LATEST PLUMBING AND DRAINAGE INSTITUTE STANDARDS FOR WATER HAMMER ARRESTORS.
- 7) RUN ALL EXTERIOR PIPING WITH THE FOLLOWING MINIMUM DEPTH OF COVER: (A) WATER = 3' - 6'; (B) WATER = 3' - 6'; (C) WATER = 3' - 6'; (D) WATER = 3' - 6';
- 8) PROVIDE AND LOCATE ACCESS PANELS IN NON ACCESSIBLE CEILINGS AND WALLS FOR ALL VALVES, WATER HAMMER ARRESTORS TO PROVIDE MAINTENANCE OR SERVICE. ELEVATION = 2550 TO PROVIDE MAINTENANCE OR SERVICE. ELEVATION = 2550 TO PROVIDE MAINTENANCE OR SERVICE.
- 9) COORDINATE PLUMBING WORK WITH ALL OTHER TRADES AND TRADES PRIOR TO INSTALLATION OF ANY UTILITIES.
- 10) ALL VENT PIPING TO BE SLOPED BACK TO THE FITURES TO BE SLOPED BACK TO THE FITURES.
- 11) ALL DRAINAGE PIPING SHALL BE SLOPED MIN. 1/4" PER FOOT FOR 2" AND LARGER PIPING A MIN. OF 1/8" PER FOOT FOR 1" AND LARGER PIPING.
- 12) THE LOCATION AND ELEVATION OF ALL UNDERGROUND PIPING SHALL BE PROPERLY COORDINATED WITH STRUCTURAL, ROOFING AND FOUNDATION DRAWINGS. SUITABLE OFFSETS IN UNDERGROUND PIPING SHALL BE PROVIDED TO CLEAR ALL STRUCTURAL, ROOFING AND FOUNDATION DRAWINGS. PROVIDE WITH THE ELEVATIONS NOTED ON PLANS AND SITE/SITE CONTRACTOR.
- 13) ALL DIMENSIONS AND SITE CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH ANY WORK.
- 14) PIPING AND EQUIPMENT SHOWN AS WORK BY PLUMBING CONTRACTOR BEYOND 5'-0" FROM EXTERIOR OF THE BUILDING SHALL BE EXCAVATED AND BACKFILLED BY THE GENERAL CONTRACTOR. FIRE PROTECTION SHALL BE BY THE PLUMBING CONTRACTOR.
- 15) DRAWINGS ARE DIAGNOSTIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. LOCATION PLUMBING OR ROUTING IS DIAGNOSTIC AND APPROXIMATE. ALL REQUIRED PIPING AND EQUIPMENT SHALL BE SPECIFICALLY SHOWN. SUBMIT FOR BID BY THE PLUMBING CONTRACTOR SHALL BE CONSIDERED AS EVIDENCE THAT THE CONTRACTOR HAS REVIEWED AND ACCEPTED THE INSTALLATION OF ALL PLUMBING WORK. OBTAIN AND COORDINATE WITH ALL TRADES AND S.C. RESPONSIBLE FOR THE MECHANICAL, HVAC, ELECTRICAL, FIRE PROTECTION, STRUCTURAL, ARCHITECTURAL AND CIVIL/SITE WORK FOR THE PROJECT. SUBMIT SHOP DRAWING SHOWING COORDINATION WITH ALL TRADES.
- 16) THE PLUMBING CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL, DWG. # 6-C FOR EXACT LOCATION OF ALL PROPOSED PLUMBING FIXTURES, ROOF AND OVERFLOW DRAINAGE, GLASSROOM LABORATORY, ART FIXTURES AND KITCHEN. EQUIPMENT LOCATIONS, PRIOR TO ALL FINAL ROUGH-INS AND CONNECTIONS.
- 17) ALL PLUMBING PIPING AND EQUIPMENT SHALL BE SPECIFICALLY SUPPORTED AND COMPLY WITH THE NEW JERSEY INTERNATIONAL BUILDING CODE SETBACK FACTORS FOR THE BUILDING'S LOCATION.
- 18) EXTEND 4 INCH RADON VENT PIPING FROM ABOVE FLOOR SLAB UP THROUGH EACH FLOOR TO ROOF. OFFSET LINE BELOW ROOF. TO ACCOMMODATE FUTURE FAN INSTALLATION ABOVE FINISH CEILING. RISER SHALL OFFSET AS REQUIRED TO PASS STEEL WEDGE LINE TIGHT TO COLUMN FOR SUPPORT. PROVIDE FLASHING AND GOUNTERFLASHING AT ROOF PENETRATION AND EXTEND 18 INCHES ABOVE ROOF LINE. COORDINATE IN FOUNDATION PLAN DWG. RADON VENT PIPING EXPOSED IN CEILING PLUMBING SHALL BE NO HUB CAST IRON DRY PIPE & FITTINGS.
- 19) PROVIDE BALL VALVES FOR EACH BRANCH ON AND/OR HH LINES FROM MAINS IN CORRIDORS SERVING TOILET ROOMS OR CLASSROOMS.
- 20) THE CONTRACTOR SHALL REFER TO PLANS FOR TAKE-OFFS FOR PIPING LENGTH OF DOMESTIC WATER PIPING TO ALL PLUMBING FIXTURES FROM CORRIDOR AND RISER MAINS. REFER TO DOMESTIC WATER RISER DIAGRAMS FOR BRANCH PIPING TO FIXTURES AND MAINS SHOWN ON PLANS.
- 21) REFER TO ARCHITECTURAL DRAWINGS 1/A-753 & 1/A-754 FOR DIMENSIONAL DETAILS FOR ALL ACCESSIBLE PLUMBING FIXTURES.
- 22) ACID WASTE DRAINAGE & VENT PIPING LOCATED IN CEILING PLUMBING SHALL BE PROOF WITH MAXIMUM FLAME SPREAD INDEX OF 25 AND SMOKE DEVELOPED INDEX OF 50 IN ACCORDANCE WITH ASTM-E84/UL 723 TESTING, ORION "FUSEAL PLUS" P/OF SCHEDULE 40 OR EQUAL.

SDA

NJ Schools Development Authority

ELIZABETH ACADEMIC HIGH SCHOOL

Owner
State of New Jersey Schools Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-9955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers Collaborative, Inc.
730 Boulevard
Kew-Forest, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burt Mill Road
Voorhees, NJ 08043
(856) 427-0200

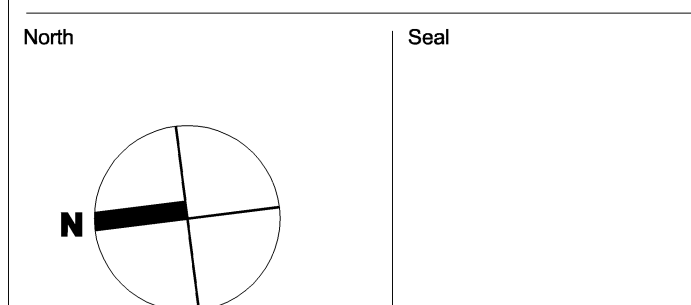
Surveying and Civil Engineering
Langan Engineering
Rivers Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(973) 933-7809

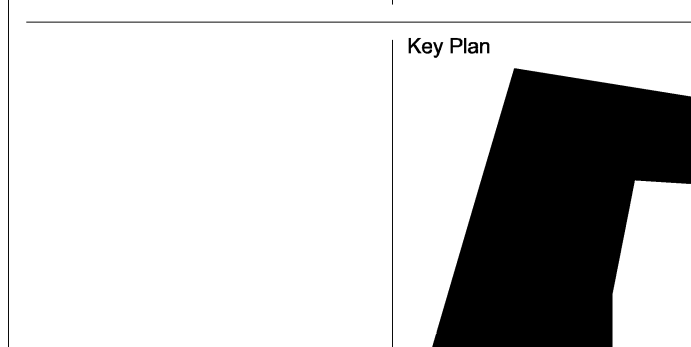
Information Technology
Intertech Associates, Inc.
77-55 Schanck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-6200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 218-5566



Key Plan



District Superintendent Signature
PAUL B. MAROZZI

District Board President Signature
FRANCESCO COZZALUCCI

2	09/17/2012	ISSUED FOR ADDENDUM 5
1	JULY 23, 12	ISSUED FOR BID
No.	Date	Issue
Sheet Name		

PLUMBING GENERAL NOTES, SYMBOLS, & LEGENDS

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009
Scale: NONE
SOM Job No: 209055
File Name: P-001



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #2 – Revised Drawing P-104A

9/17/12



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #3 – Revised Drawing P-104B

9/17/12

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-5955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kensington, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

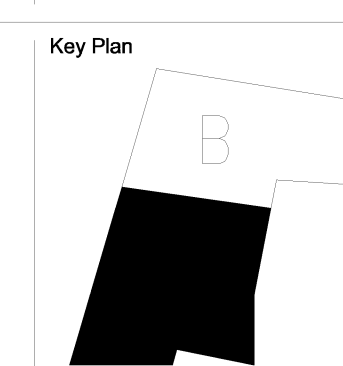
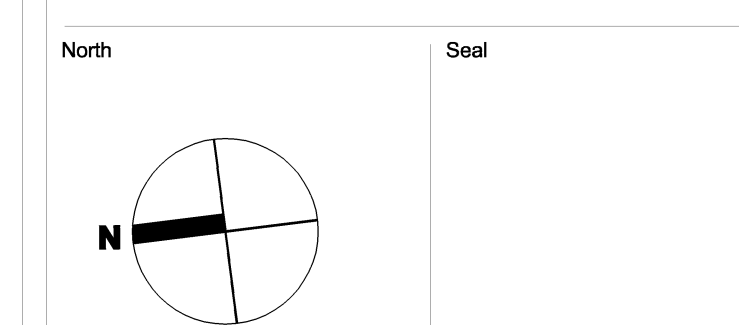
Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schenck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-8200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 218-5556



District Superintendent Signature
FRANCISCO MONZALIZ

District Board President Signature
FRANCISCO MONZALIZ

2 09/17/2012 ISSUED FOR ADDENDUM 5
1 JULY 13, 12 ISSUED FOR BID

No. Date Issue
Sheet Name

PLUMBING
FOURTH FLOOR
PLAN - PART B

Copyright, Skidmore, Owings & Merrill Architects, LLP, 2009

Date: Sheet No.:

Scale:
1/8" = 1'-0"
SOM Job No.
209065
File name:

P-104B



- PLUMBING NOTES:**
- SEE 6-025 FOR PLUMBING FIXTURE MOUNTING HEIGHTS.
 - REFER TO A-101A THROUGH A-104B FOR PLAN DIMENSIONS FOR PLUMBING FIXTURES.



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #4 – Revised Drawing P-105A

9/17/12



SDA
 NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
 State of New Jersey Schools
 Development Corporation
 1 West State Street
 Trenton, NJ 08625
 (609) 943-6955

Project Management
 Bovis Lend Lease
 512 Morris Avenue, Suite 2B
 Elizabeth, NJ 07208
 (908) 354-3600

Architect
SOM
 SKIDMORE, OWINGS & MERRILL PA
 14 Wall Street
 New York, NY 10005
 (212) 298-9300

Structural Engineering
 Consulting Engineers
 Collaborative, Inc.
 730 Boulevard
 Kentworth, NJ 07033
 (908) 298-1600

Mechanical & Electrical Engineering
 Plumbing and Fire Protection
 Concord Engineering Group, Inc.
 520 South Burnt Mill Road
 Voorhees, NJ 08043
 (856) 427-0200

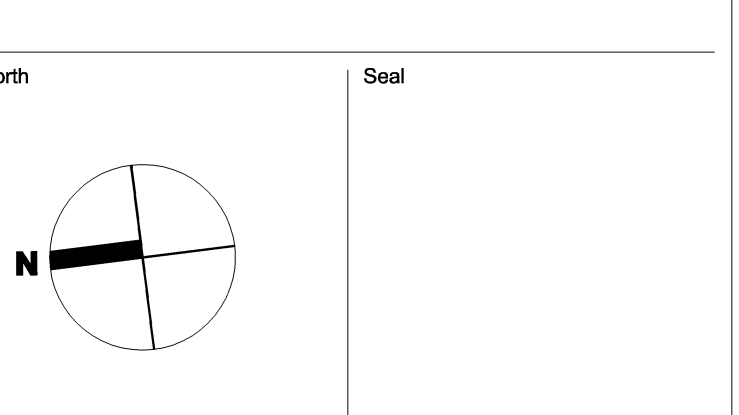
Surveying and Civil Engineering
 Langan Engineering
 River Drive Center 1
 Elmwood Park, NJ 07407
 (201) 794-6900

Landscape Design
 MKW & Associates
 39 Park Avenue
 Rutherford, NJ 07070
 (201) 933-7809

Information Technology
 Intertech Associates, Inc.
 77-56 Schenck Road
 Suite A-14
 Freehold, NJ 07728
 (732) 431-4236

Food Service Consultants
 Hopkins Food Service
 Specialists, Inc.
 27 West 24th Street
 New York, NY 10010
 (301) 320-6200

Fire Protection and Life Safety
 Code Consultants, Inc.
 330 West 38th Street
 New York, NY 10018
 (212) 218-6666



District Superintendent Signature
 FRANCISCO MORALES

District Board President Signature
 FRANCISCO MORALES

No.	Date	Issue
1	07/13/12	ISSUED FOR BID
2	09/17/12	ISSUED FOR ADDENDUM 5

PLUMBING
ROOF PLAN
PART A

Date: _____ Sheet No: _____

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

SOM Job No: 209065

File name: _____

P-105A

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #5 – Revised Drawing P-201

9/17/12

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-5955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kenshworth, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

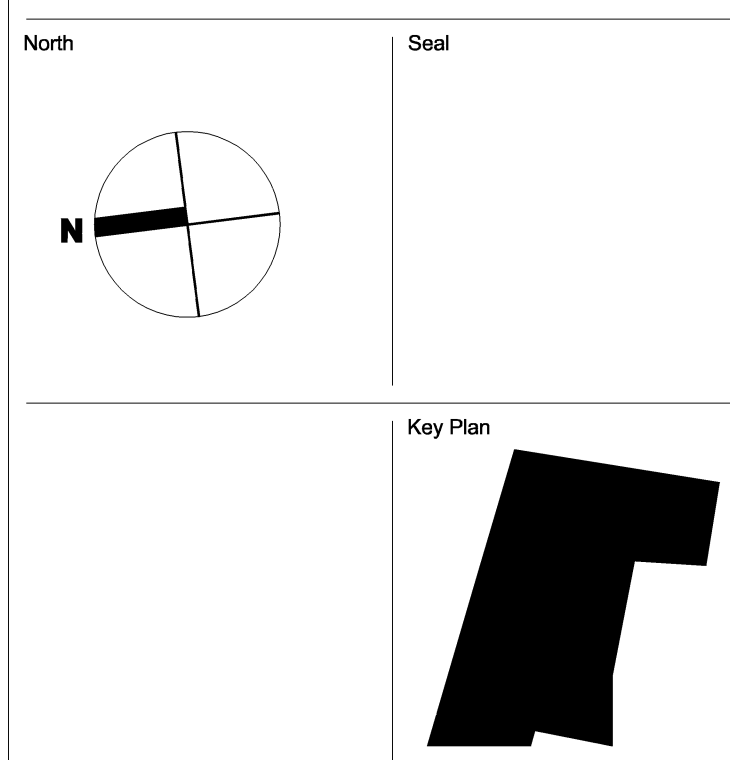
Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schenck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-8200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 218-8888



District Superintendent Signature
FRANCISCO MONZALEZ

District Board President Signature
FRANCISCO MONZALEZ

1	09/17/2012	ISSUED FOR ADDENDUM 5
2	JULY 13, 12	ISSUED FOR BID
No.	Date	Notes
Sheet Name		

PLUMBING
SANITARY
RISER DIAGRAM
AREA B

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009

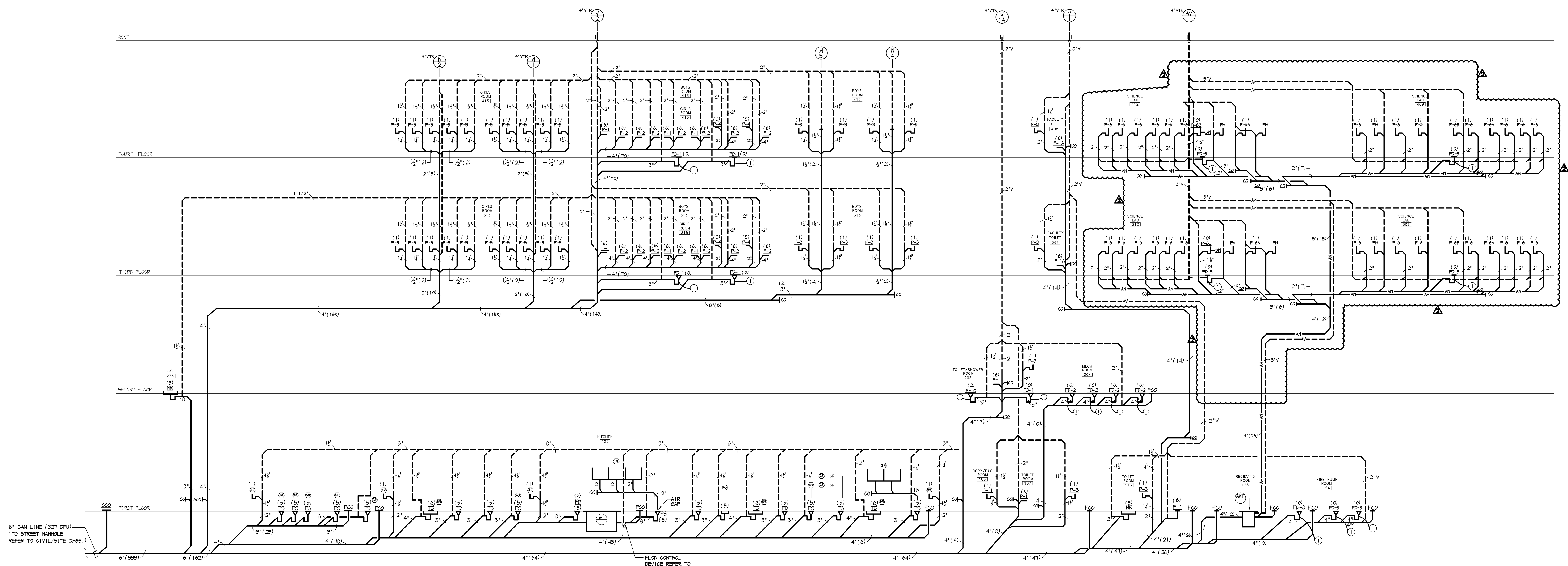
Date: _____ Sheet No: _____

Scale: **NONE**

SOM Job No: **209065**

File name: _____

P-201





Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #6 – Revised Drawing P-202

9/17/12

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-5955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kensington, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

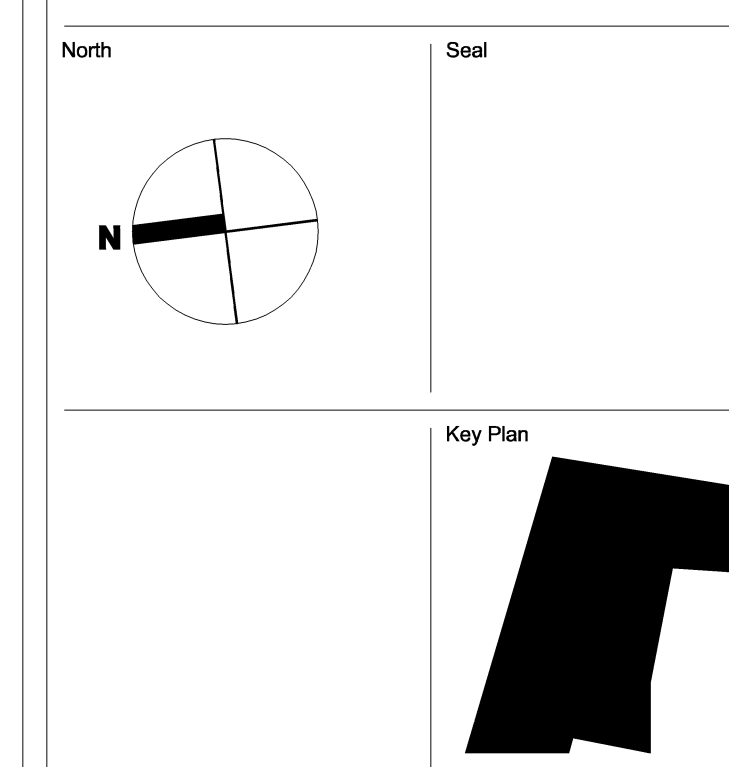
Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schank Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-8200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 218-8586



District Superintendent Signature
FRANCIS MURPHY

District Board President Signature
FRANCESCO GONZALEZ

Date: 09/17/2012
Issued for Addendum 5

Date: JULY 13, 12
Issued for BD

No. _____ Date _____ Name _____

Sheet Name _____

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009

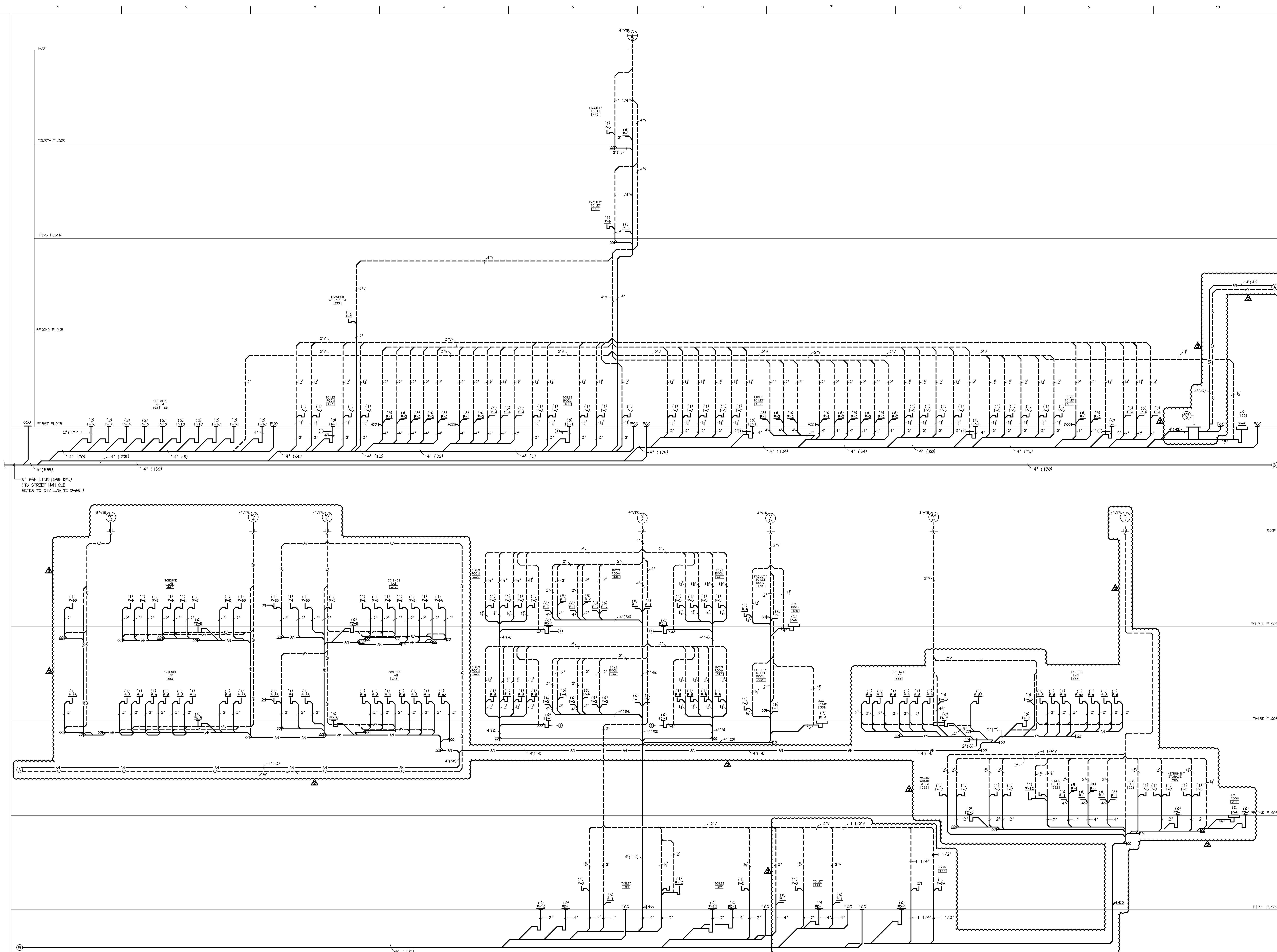
Scale: NONE

SOM Job No: 209065

FR name: P-202

PLUMBING
SANITARY
RISER DIAGRAM
AREA A

Sheet No: P-202



1 SANITARY RISER DIAGRAM - PART A
P-202 SCALE: NONE
NOTE:
1 PROVIDE TRAP PRIMER AND LINE FOR EACH FLOOR DRAIN.
REFERENCE DRAWINGS: P105A, P104A, P103A, P102A, P101A



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #7 – Revised Drawing P-203

9/17/12

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-5955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kensilworth, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

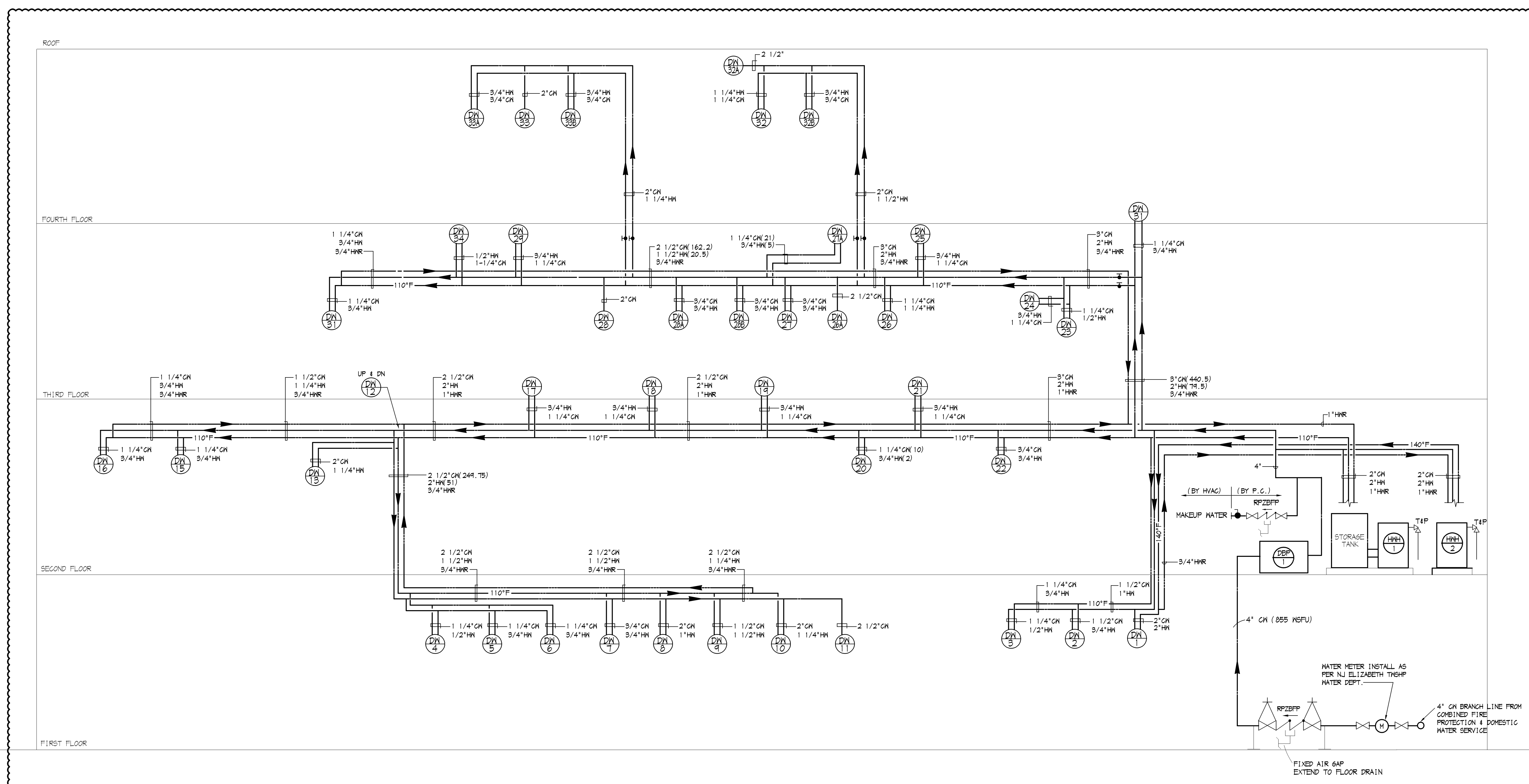
Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

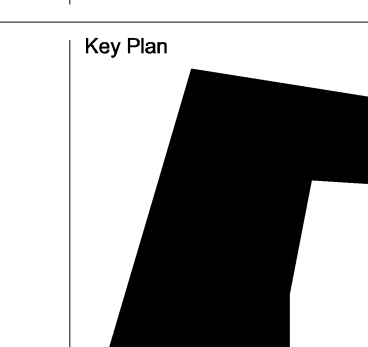
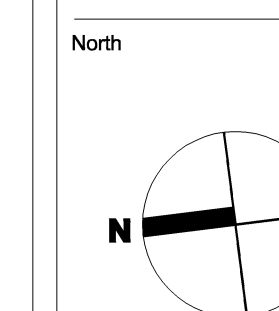
Information Technology
Intertech Associates, Inc.
77-56 Schenck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-8200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 218-5556



1 DOMESTIC WATER RISER DIAGRAM - DISTRIBUTION MAIN
P-203 SCALE: NONE



District Superintendent Signature
FRANCISCO MORALES
District Board President Signature
FRANCISCO MORALES

2	09/17/2012	ISSUED FOR ADDENDUM 5
1	JULY 13, 12	ISSUED FOR BID

PLUMBING
DOMESTIC WATER
RISER DIAGRAM

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009
Date: _____ Sheet No: _____
Scale: 1/8" = 1'-0"
SOM Job No: 209065
File name: _____

P-203



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #8 – Revised Drawing P-204

9/17/12

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-5955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kearnswood, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

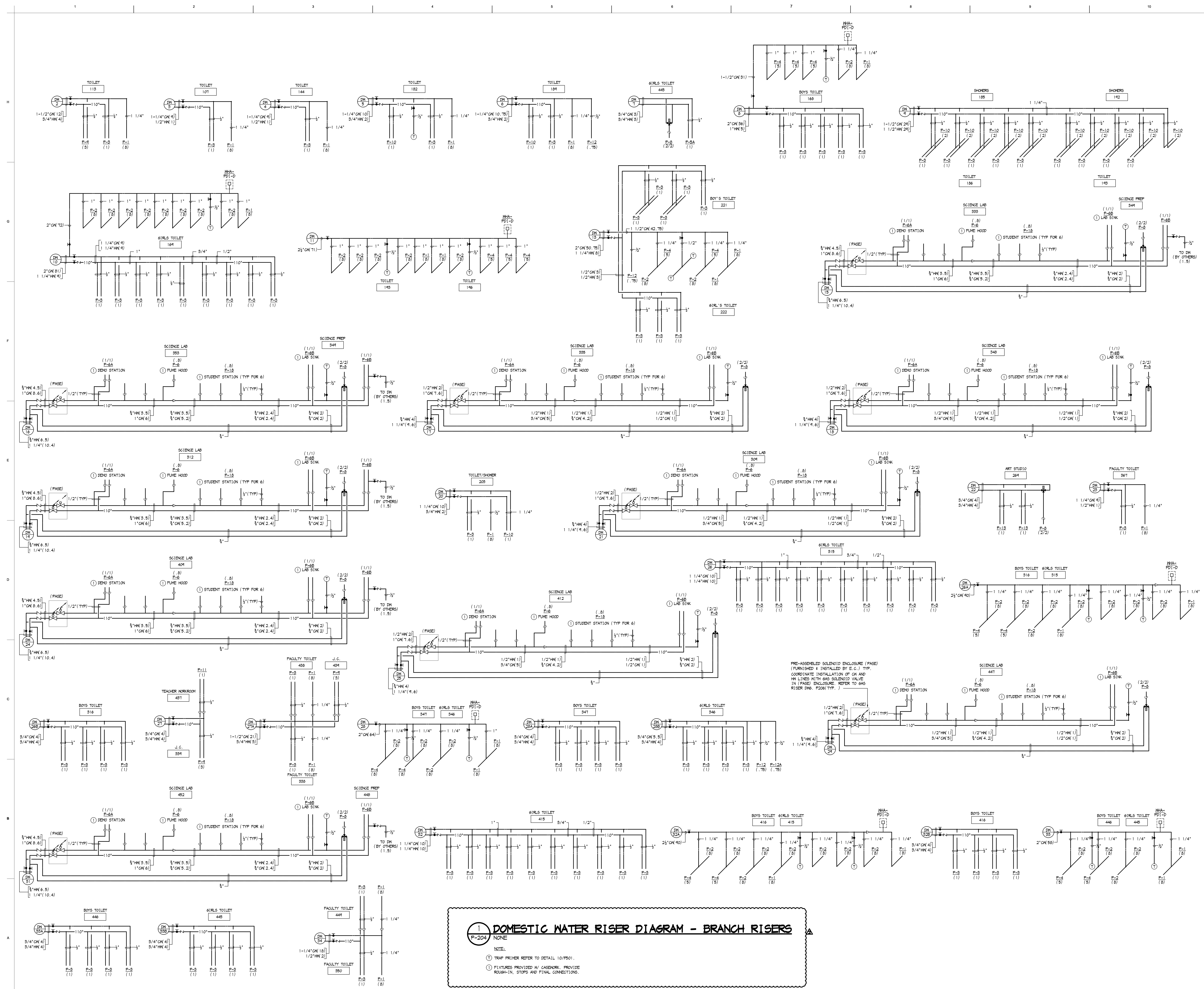
Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schanck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-6200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 218-5566

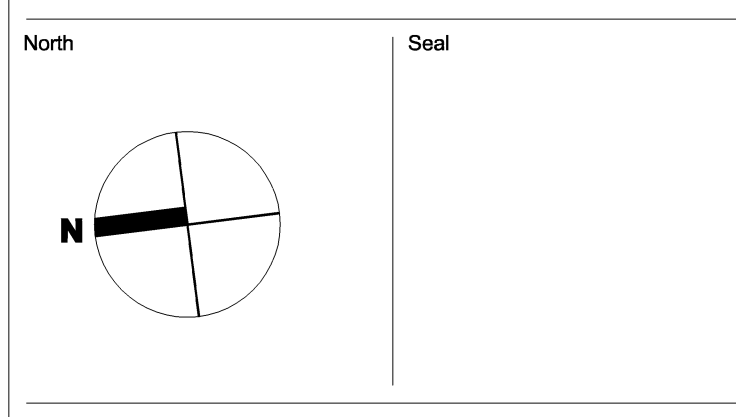


DOMESTIC WATER RISER DIAGRAM - BRANCH RISERS

P-204 NONE

NOTE:

- ① TRAP PRIMER REFER TO DETAIL 10/PS01.
- ② FIXTURES PROVIDED BY GASBORNS. PROVIDE ROUGH-IN, STOPS AND FINAL CONNECTIONS.



District Superintendent Signature
FRANCESCO GONZALEZ

District Board President Signature
FRANCESCO GONZALEZ

No.	Date	Issue
2	09/17/2012	ISSUED FOR ADDENDUM 5
1	JULY 23, 12	ISSUED FOR BID

PLUMBING
DOMESTIC WATER
RISER DIAGRAM
BRANCH RISERS

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009

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

SOM Job No.: 209055

Sheet No.: **P-204**



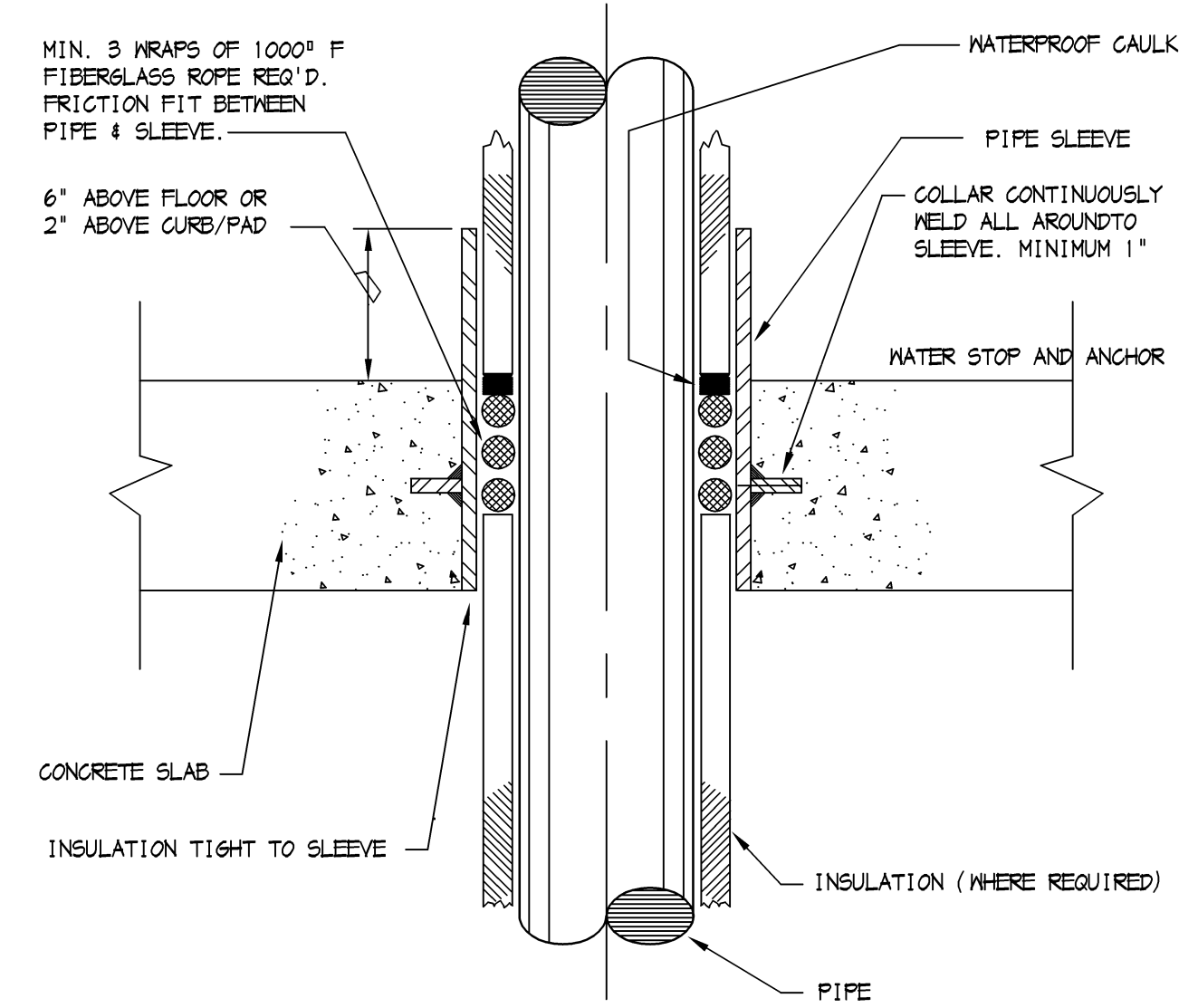
Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

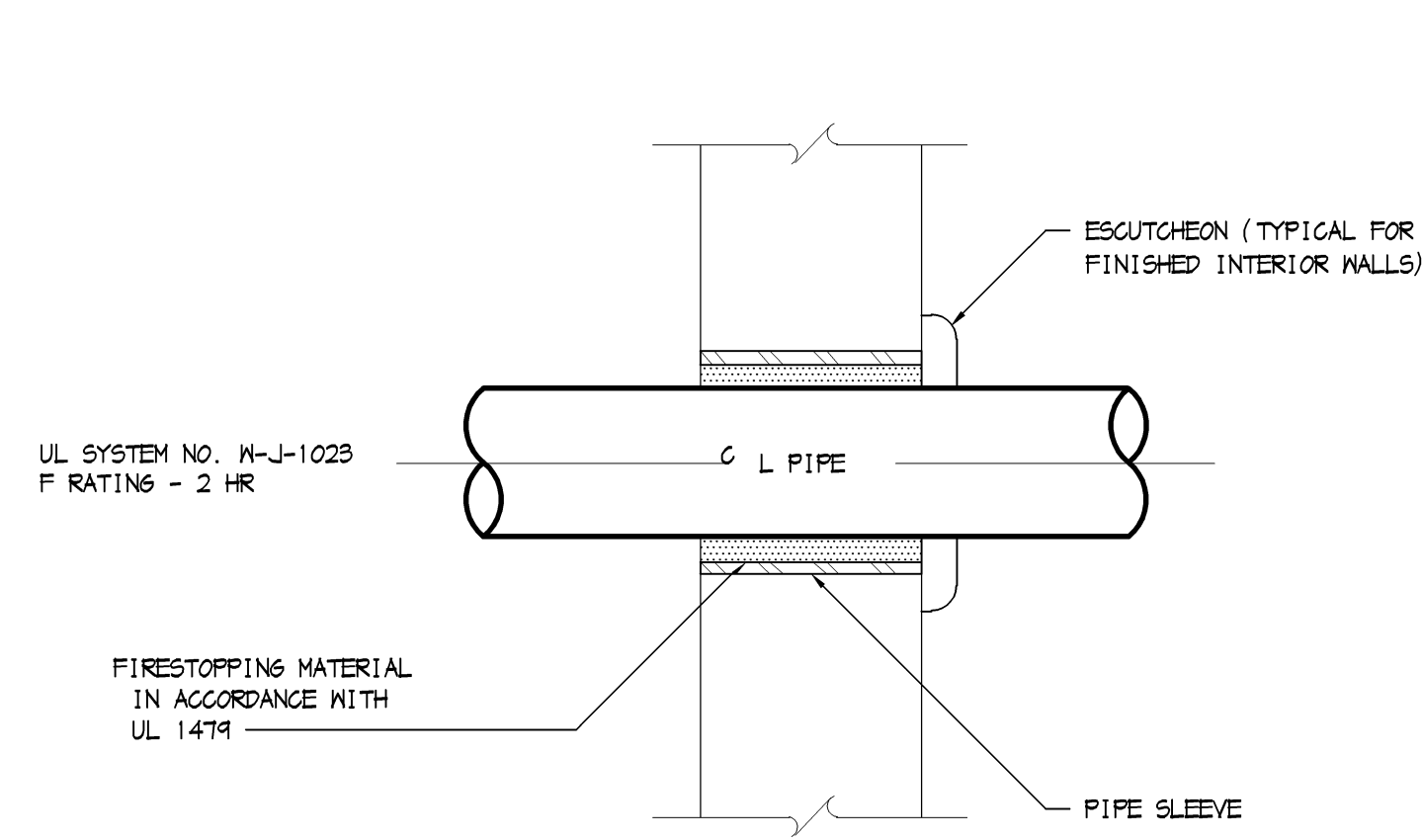
Addendum #6

Attachment #9 – Revised Drawing P-501

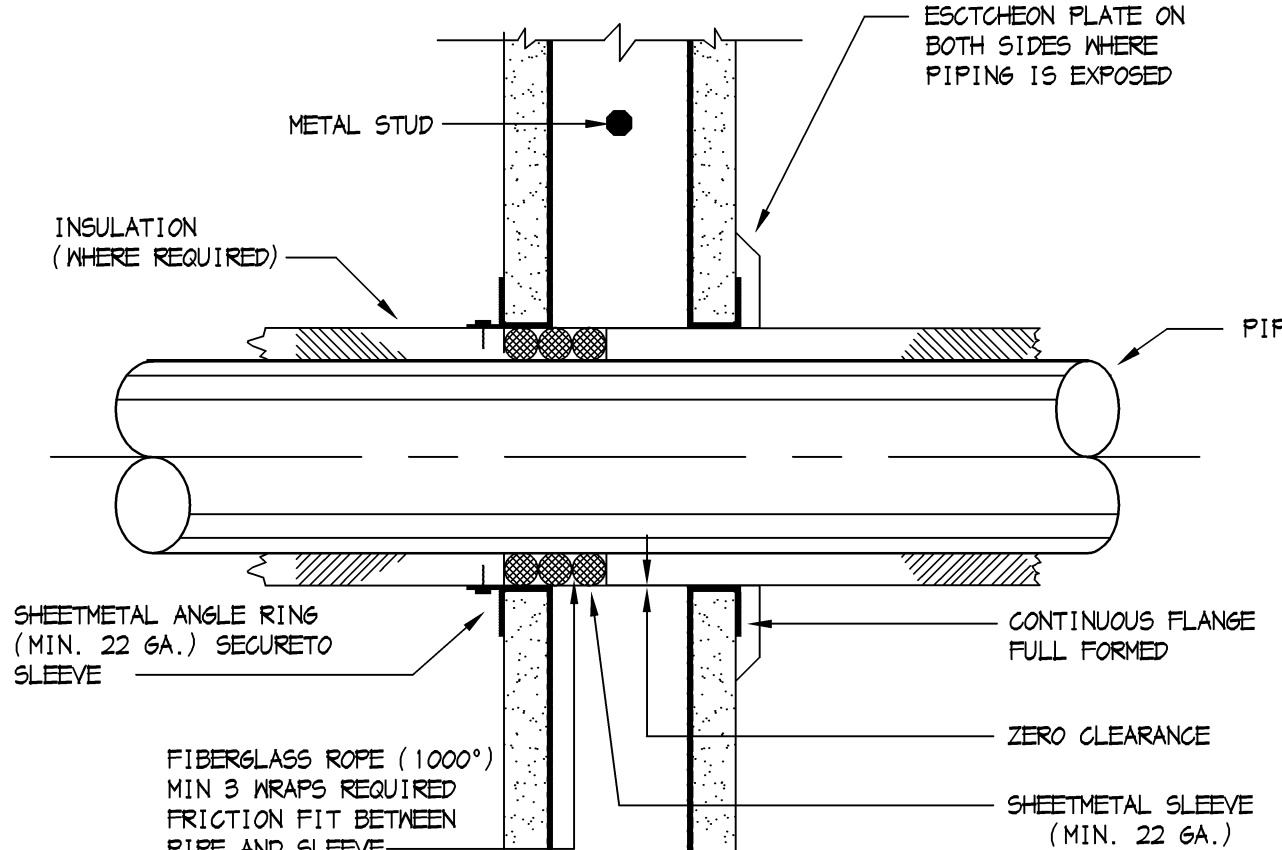
9/17/12



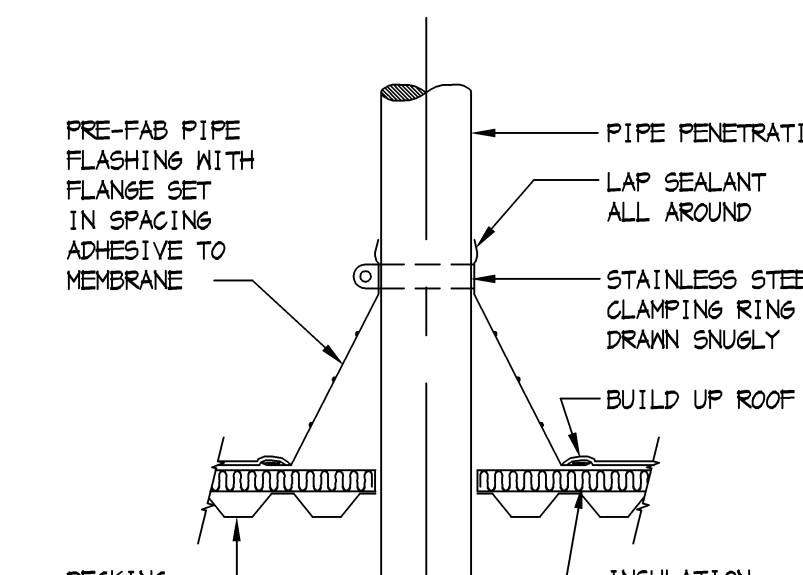
1 PIPE SLEEVE DETAIL
P-501 SCALE: NONE



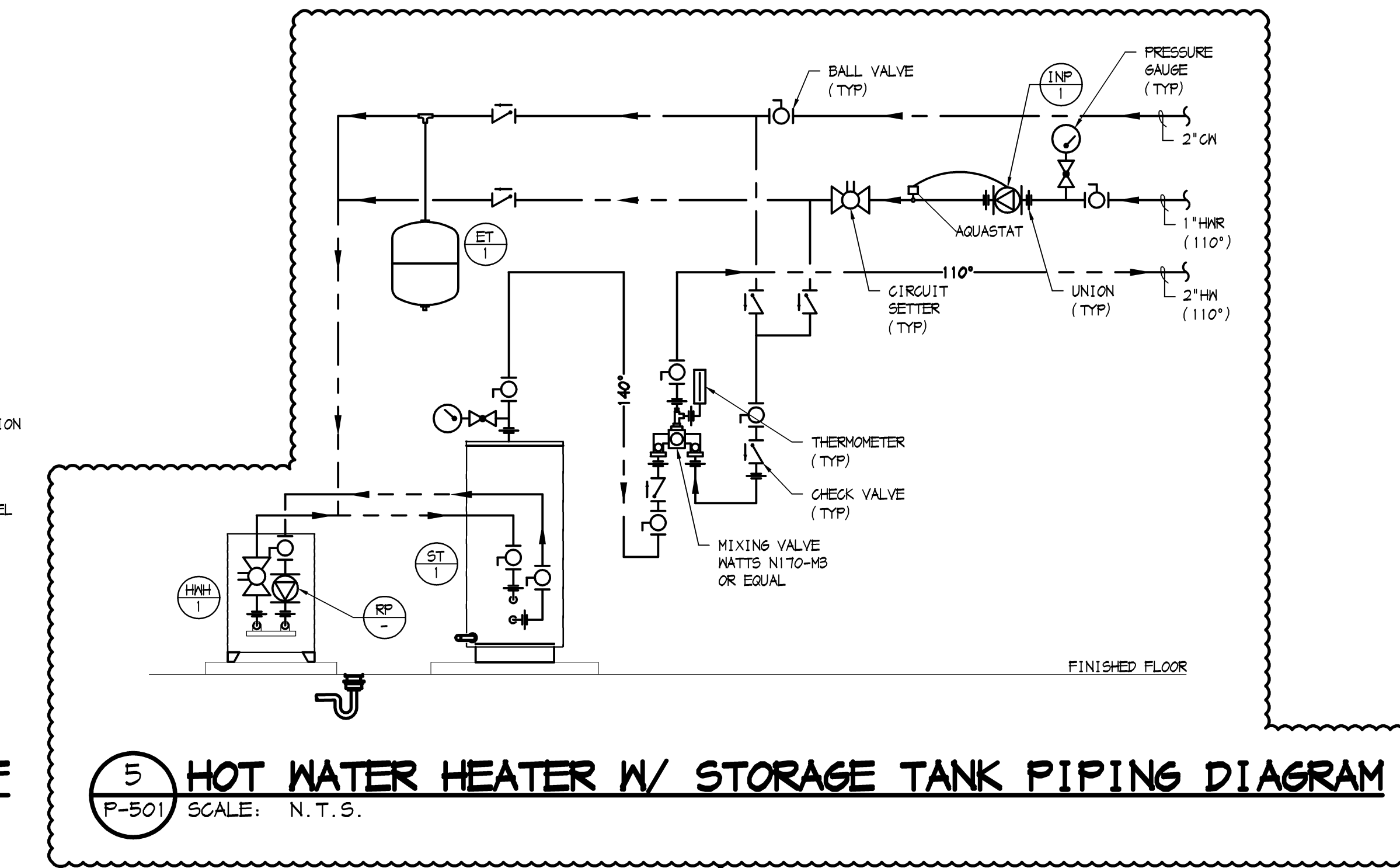
2 TYPICAL FIRE WALL PENETRATION DETAIL
P-501 SCALE: NONE



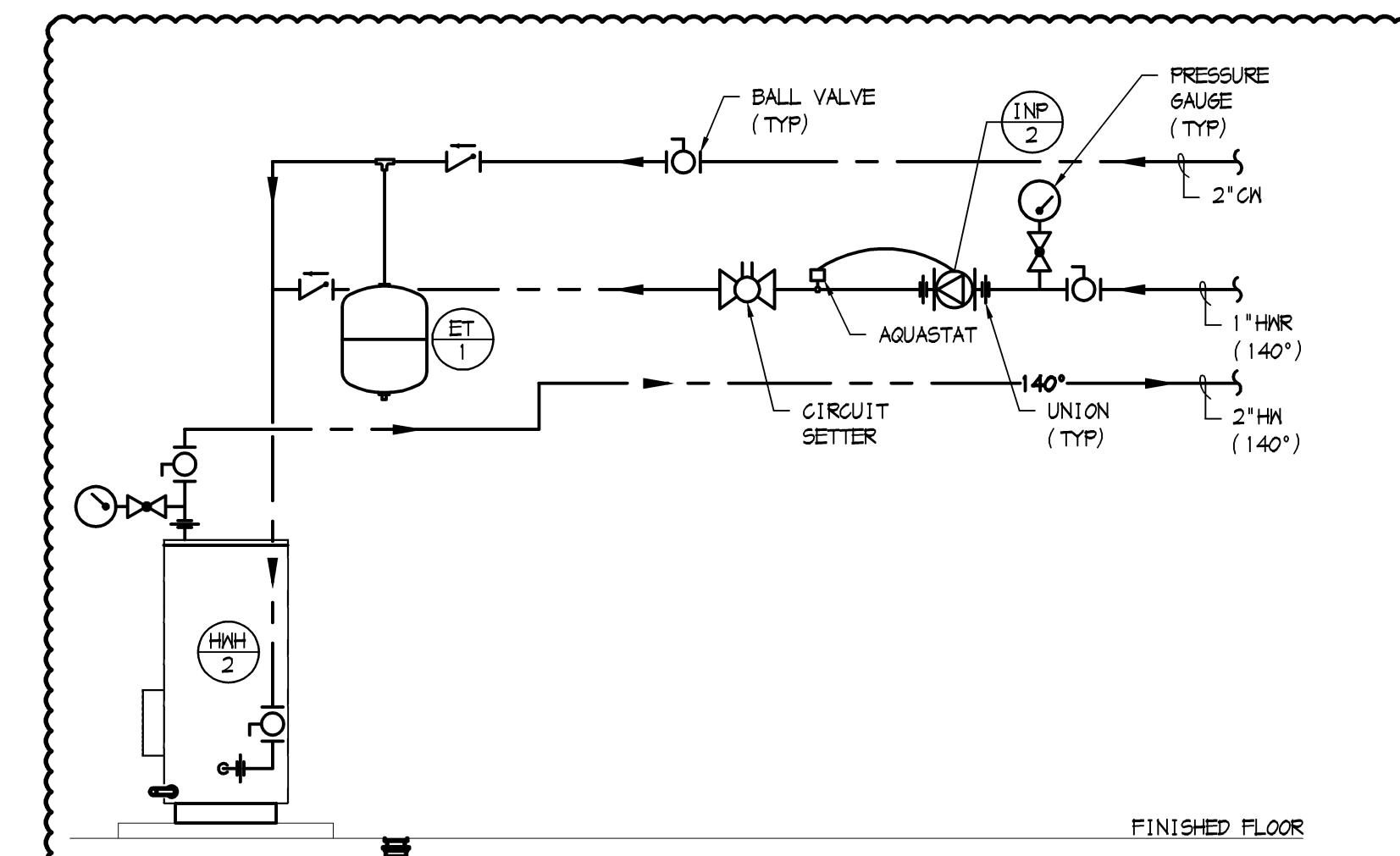
3 PIPE SLEEVE DETAIL
P-501 SCALE: NONE



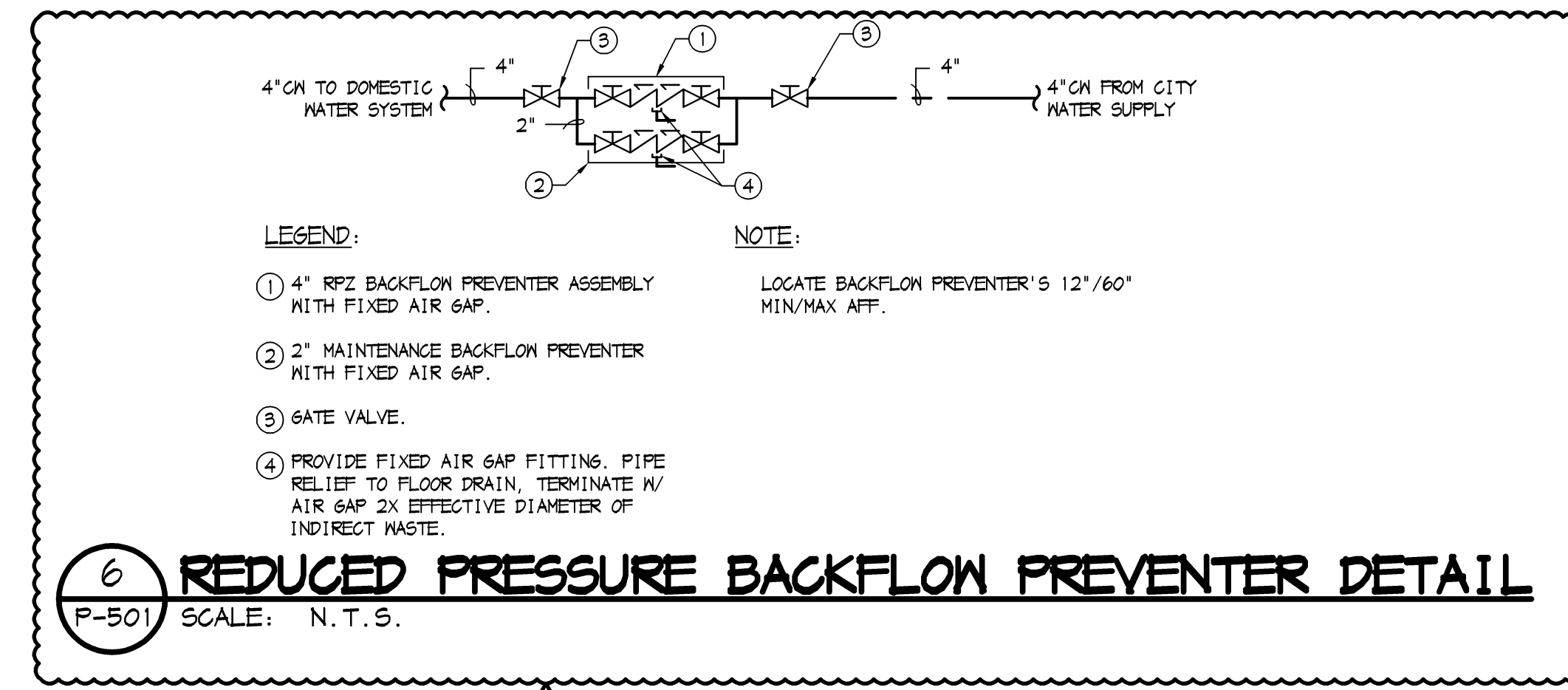
4 VENT THRU ROOF DETAIL
P-501 SCALE: NONE



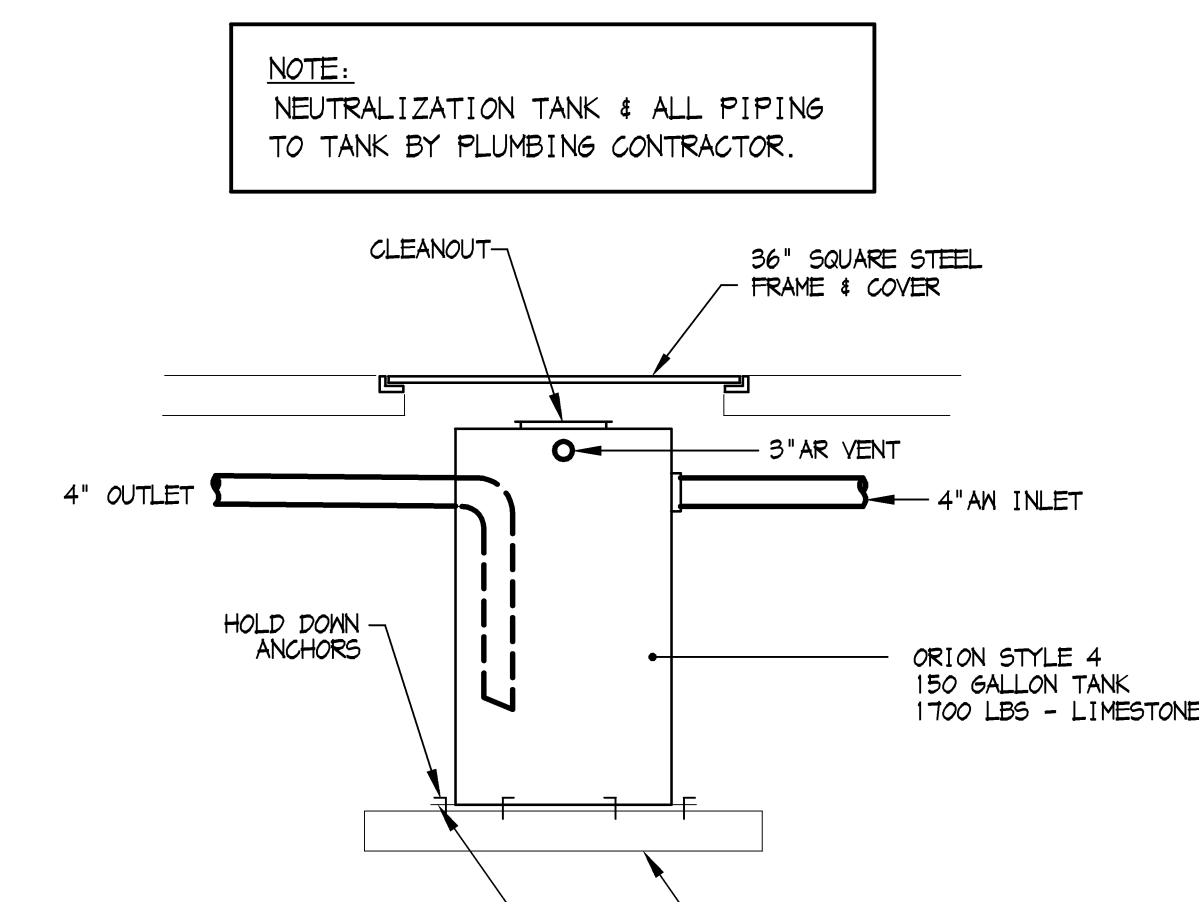
5 HOT WATER HEATER W/ STORAGE TANK PIPING DIAGRAM
P-501 SCALE: N.T.S.



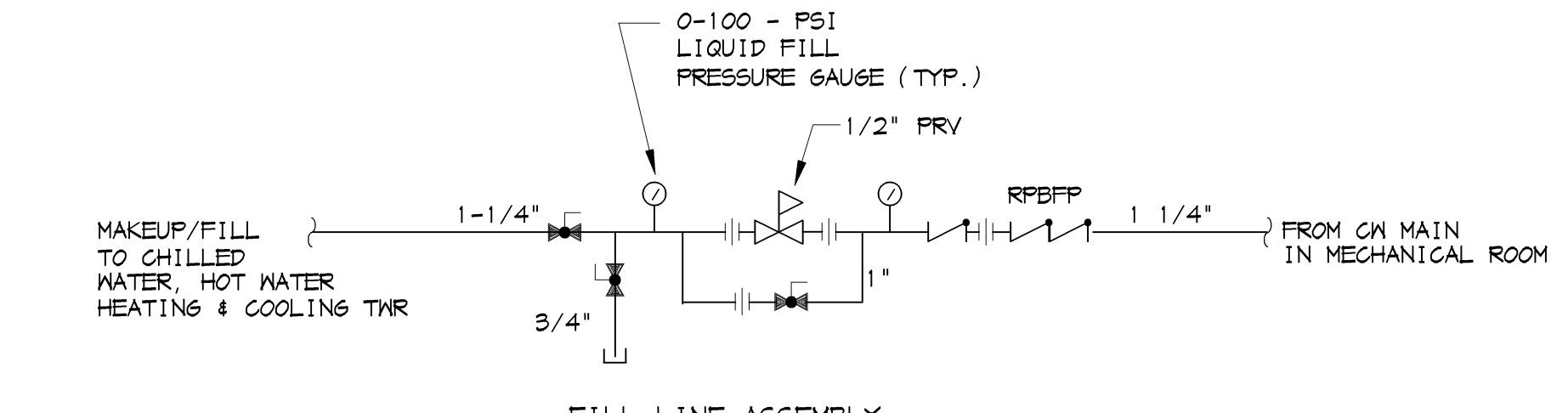
5A KITCHEN WATER HEATER PIPING DIAGRAM
P-501 SCALE: N.T.S.



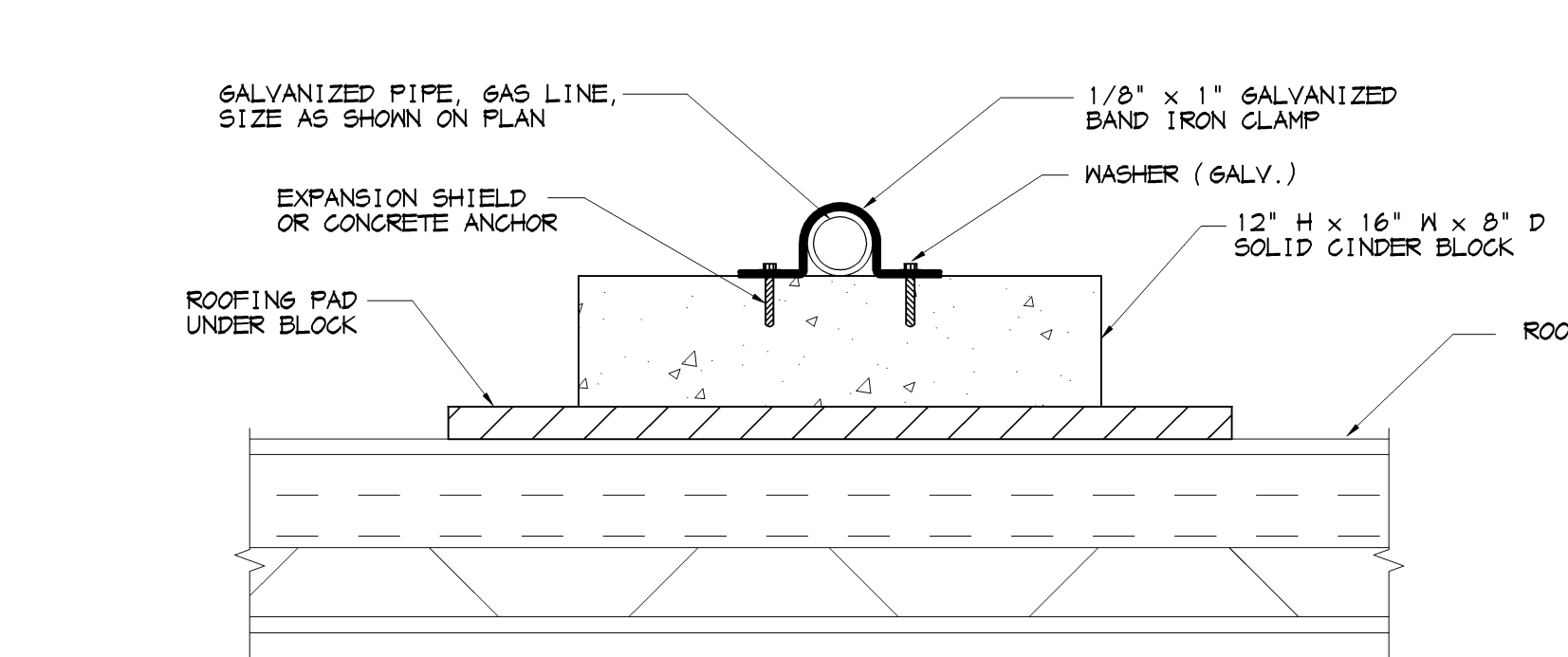
6 REDUCED PRESSURE BACKFLOW PREVENTER DETAIL
P-501 SCALE: N.T.S.



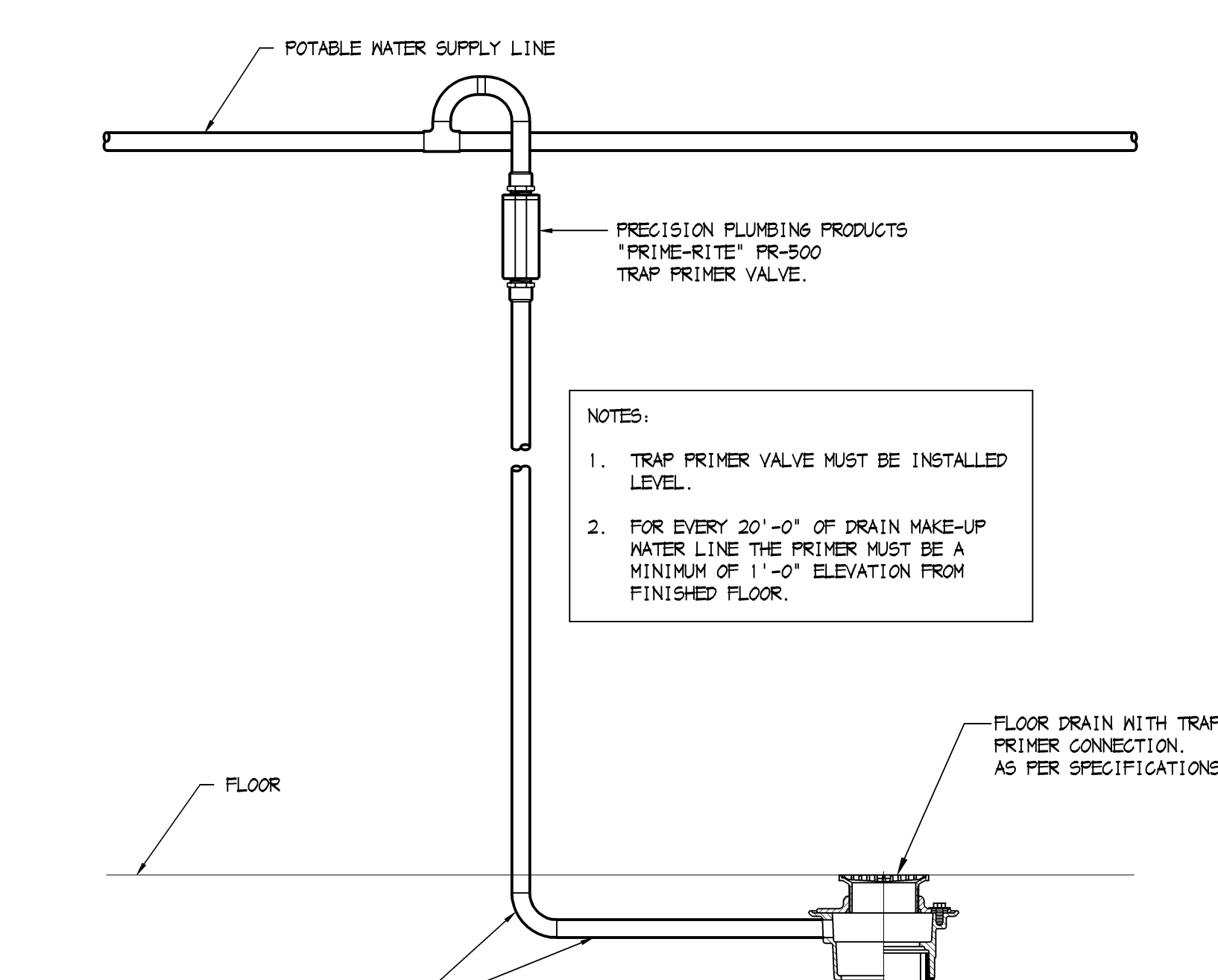
7 ACID NEUTRALIZING TANK
P-501 SCALE: NONE



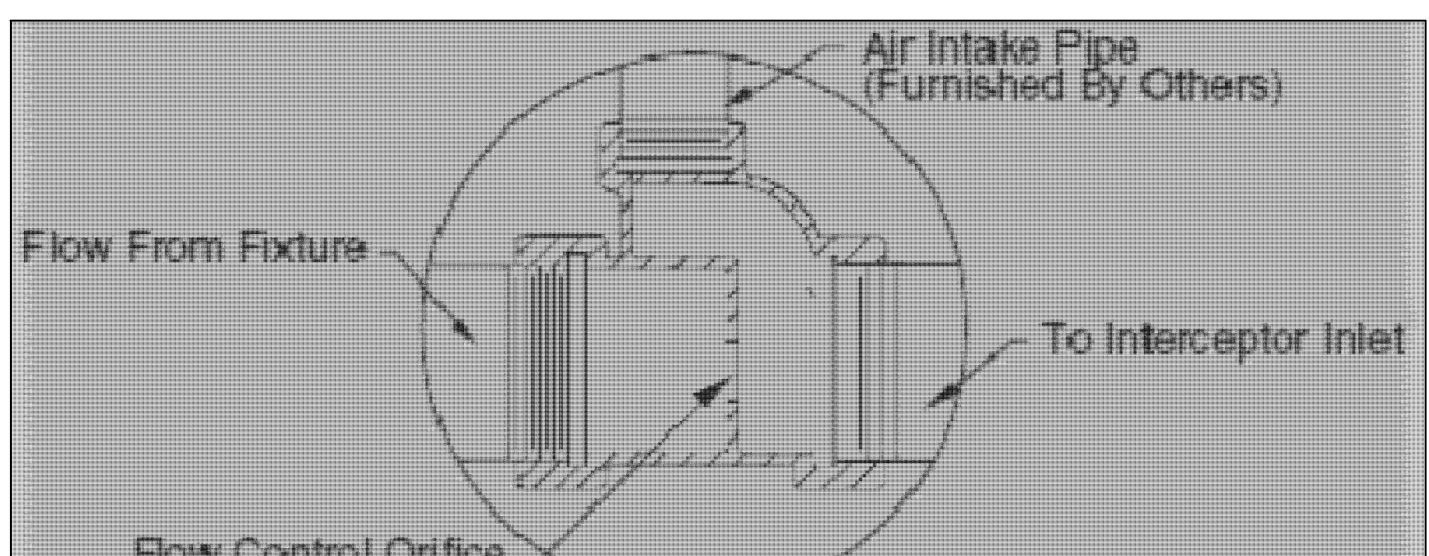
8 MAKEUP WATER/FILL LINE ASSEMBLY
P-501 SCALE: NONE



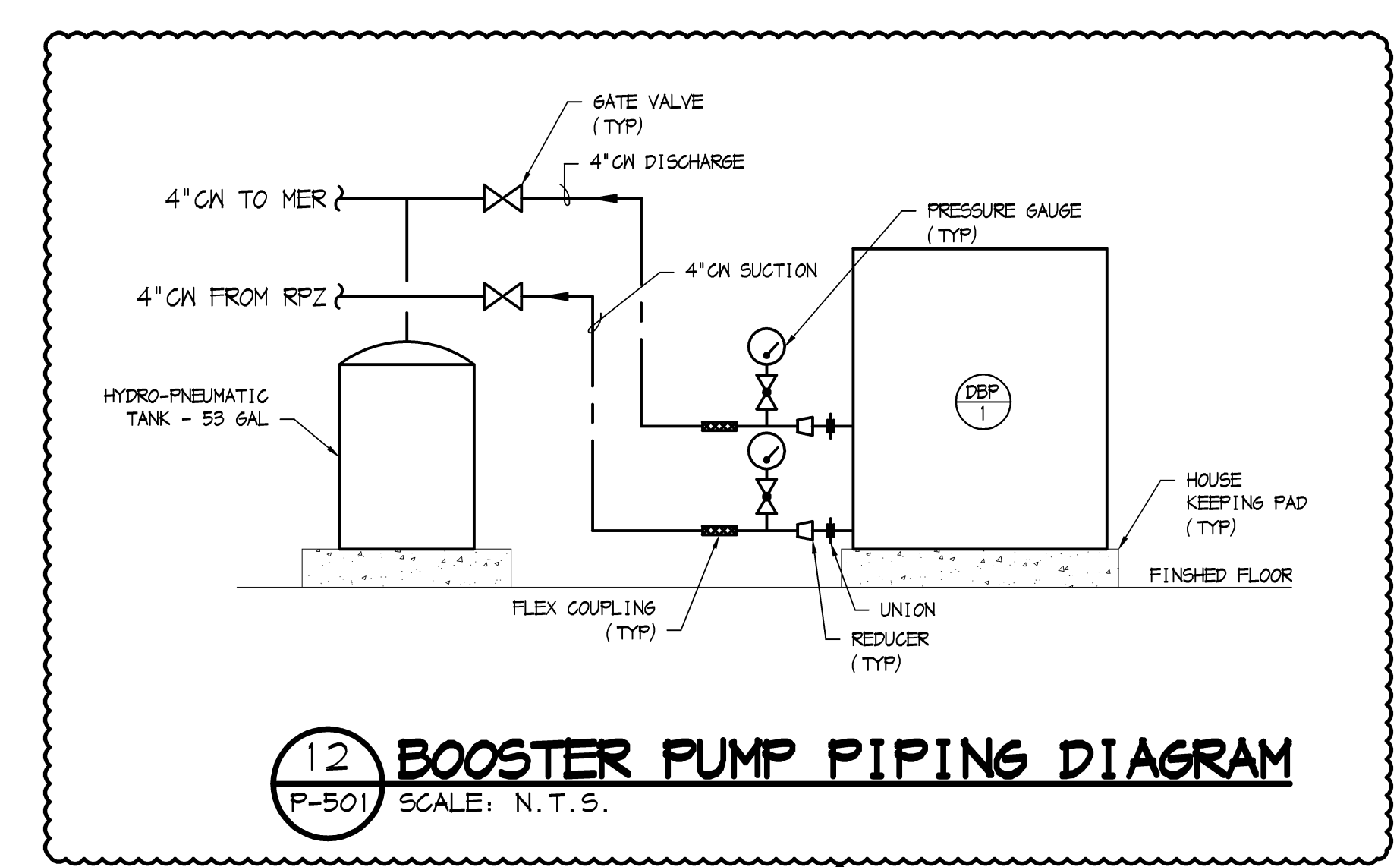
9 ROOF GAS PIPING SUPPORT
P-501 SCALE: NONE



10 TRAP PRIMER DETAIL
P-501 SCALE: NONE



11 FLOW CONTROL DEVICE - DETAIL
P-501 SCALE: NONE



12 BOOSTER PUMP PIPING DIAGRAM
P-501 SCALE: N.T.S.

SDA
NJ Schools Development Authority

ELIZABETH ACADEMIC HIGH SCHOOL

Owner
State of New Jersey Schools Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-6955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers Collaborative, Inc.
730 Boulevard
Kenshwood, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schanck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-6200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 218-6666

North

Key Plan

District Superintendent Signature
FRANCISCO GONZALEZ

District Board President Signature
FRANCISCO GONZALEZ

2	09/17/2012	ISSUED FOR ADDENDUM 5
1	JULY 13, 12	ISSUED FOR BID
No.	Date	Notes
Sheet Name		

PLUMBING DETAILS

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009

Date: _____ Sheet No: _____

Scale: AS SHOWN

SDW 209055

FR name: _____

P-501



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #10 – Revised Drawing P-502

9/17/12



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #11 – Revised Drawing M-101B

9/17/12



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #12 – Revised Drawing M-102A

9/17/12

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-5955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kensington, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-55 Schenck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-8200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 218-8888



7
8
9
9.7
10
11
12
13

5.7
5.9
7.1
8.1
9.5
11.1
13

A B C D E E1 F G H K

MECHANICAL 2ND FLOOR PLAN - PART A

1/8" = 1'-0"

North
Seal
Key Plan
District Superintendent Signature
PABLO MORALES
District Board President Signature
FRANCISCO GONZALEZ

2	SEPT 13, 12	ADDENDUM
1	JULY 13, 12	ISSUED FOR BID
No.	Date	Issue
Sheet Name		

MECHANICAL
2ND FLOOR PLAN
PART A

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009
Scale:
1/8" = 1'-0"
SOM No.:
209065
File name:
M102A



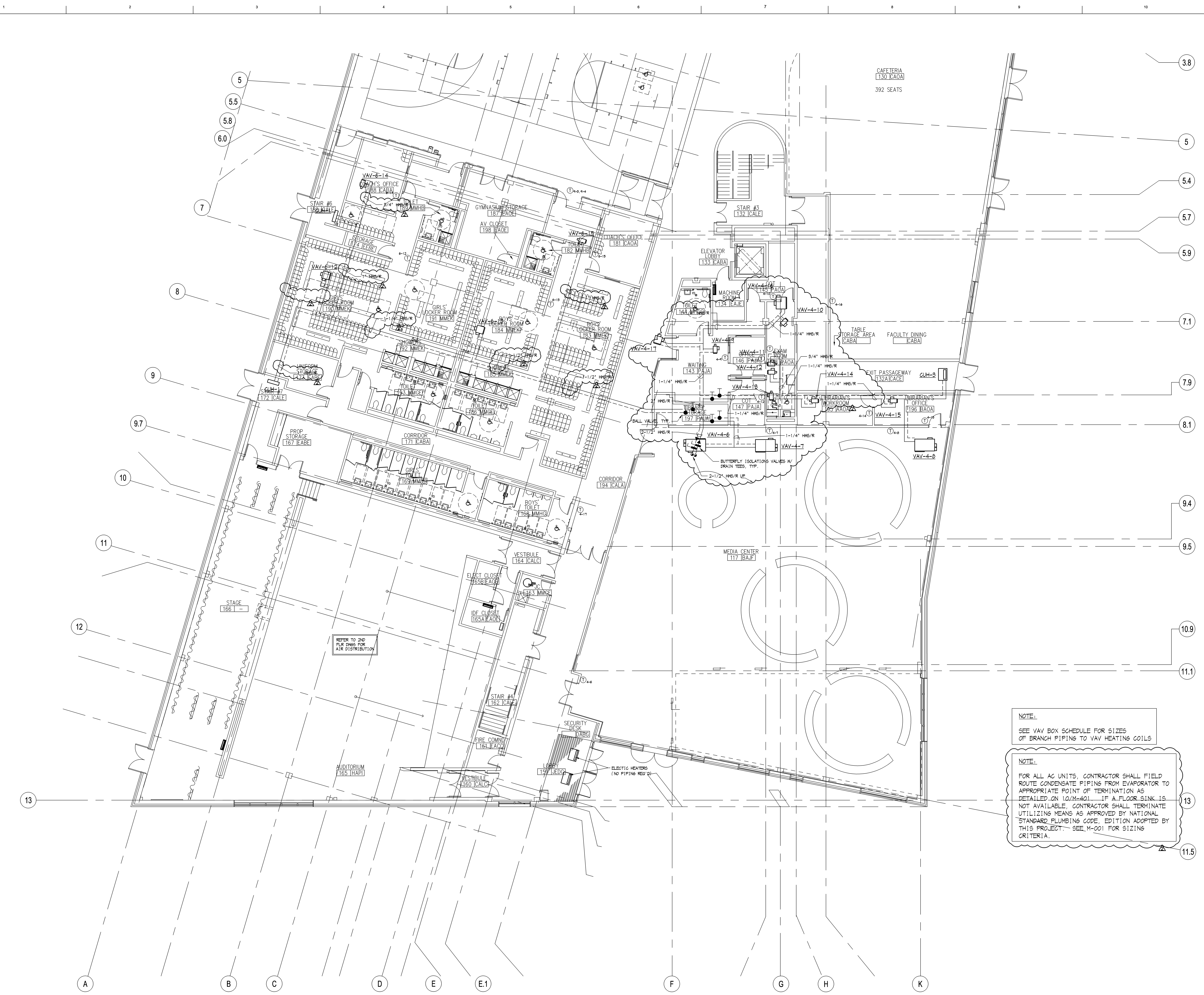
Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #13 – Revised Drawing MP-101A

9/17/12



NOTE:
SEE VAV BOX SCHEDULE FOR SIZES OF BRANCH PIPING TO VAV HEATING COILS

NOTE:
FOR ALL AC UNITS, CONTRACTOR SHALL FIELD ROUTE CONDENSATE PIPING FROM EVAPORATOR TO APPROPRIATE POINT OF TERMINATION AS DETAILED ON I2/M-401. IF A FLOOR SINK IS NOT AVAILABLE, CONTRACTOR SHALL TERMINATE UTILIZING MEANS AS APPROVED BY NATIONAL STANDARD PLUMBING CODE, EDITION ADOPTED BY THIS PROJECT. - SEE M-001 FOR SIZING CRITERIA.

MECHANICAL PIPING GROUND FLOOR PLAN - PART A
1/8" = 1'-0"

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-6955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kensington, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

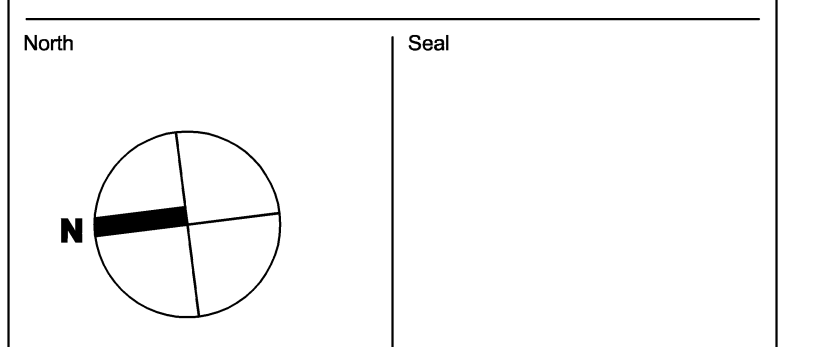
Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schanck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-8200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 218-9586



District Superintendent Signature
PABLO MATEOZ

District Board President Signature
FRANCISCO GONZALEZ

No.	Date	Issue
2	SEPT 13, 12	ISSUED FOR ADDENDUM 5
1	JULY 13, 12	ISSUED FOR BID

MECHANICAL PIPING
GROUND FLOOR PLAN
PART A

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009
Date: _____ Sheet No.: _____
Scale: 1/8" = 1'-0"
SPW:snw
209065
File name: **MP101A**



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #14 – Revised Drawing MP-101B

9/17/12

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-6955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kenswood, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

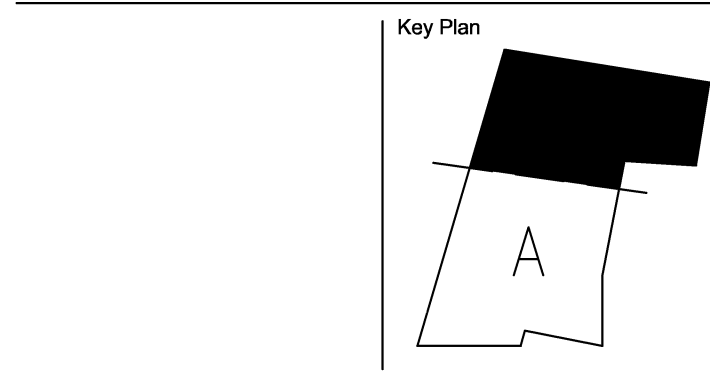
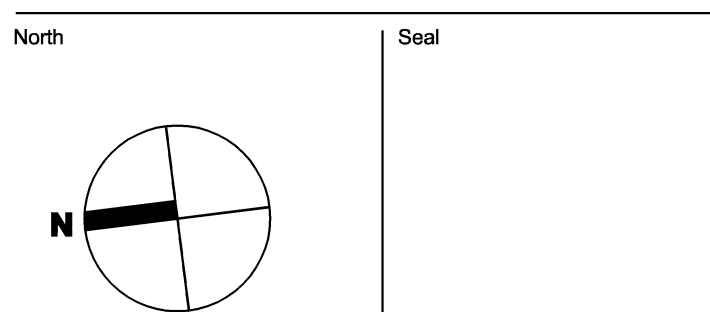
Surveying and Civil Engineering
Langan Engineering
Rivay Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schenck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-6200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 216-6666



District Superintendent Signature
PABLO MORALES

District Board President Signature
FRANCISCO GONZALEZ

2 SEPT 13, 12 ISSUED FOR ADDENDUM 5
1 JULY 13, 12 ISSUED FOR BID

MECHANICAL PIPING
GROUND FLOOR PLAN
PART B

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009
Date: _____ Sheet No: _____
Scale: 1/8" = 1'-0"
SPW: JMS/MS
209065
File name: _____

MP101B



NOTE:
SEE VAV BOX SCHEDULE FOR SIZES
OF BRANCH PIPING TO VAV HEATING COILS

NOTE:
FOR ALL AC UNITS, CONTRACTOR SHALL FIELD
ROUTE CONDENSATE PIPING FROM EVAPORATOR TO
APPROPRIATE POINT OF TERMINATION AS
DETAILED ON 10/M-401. IF A FLOOR SINK IS
NOT AVAILABLE, CONTRACTOR SHALL TERMINATE
UTILIZING MEANS AS APPROVED BY NATIONAL
STANDARD PLUMBING CODE, EDITION ADOPTED BY
THIS PROJECT. SEE M-001 FOR SIZING
CRITERIA.

MECHANICAL PIPING GROUND FLOOR PLAN – PART B

1/8"=1'-0"



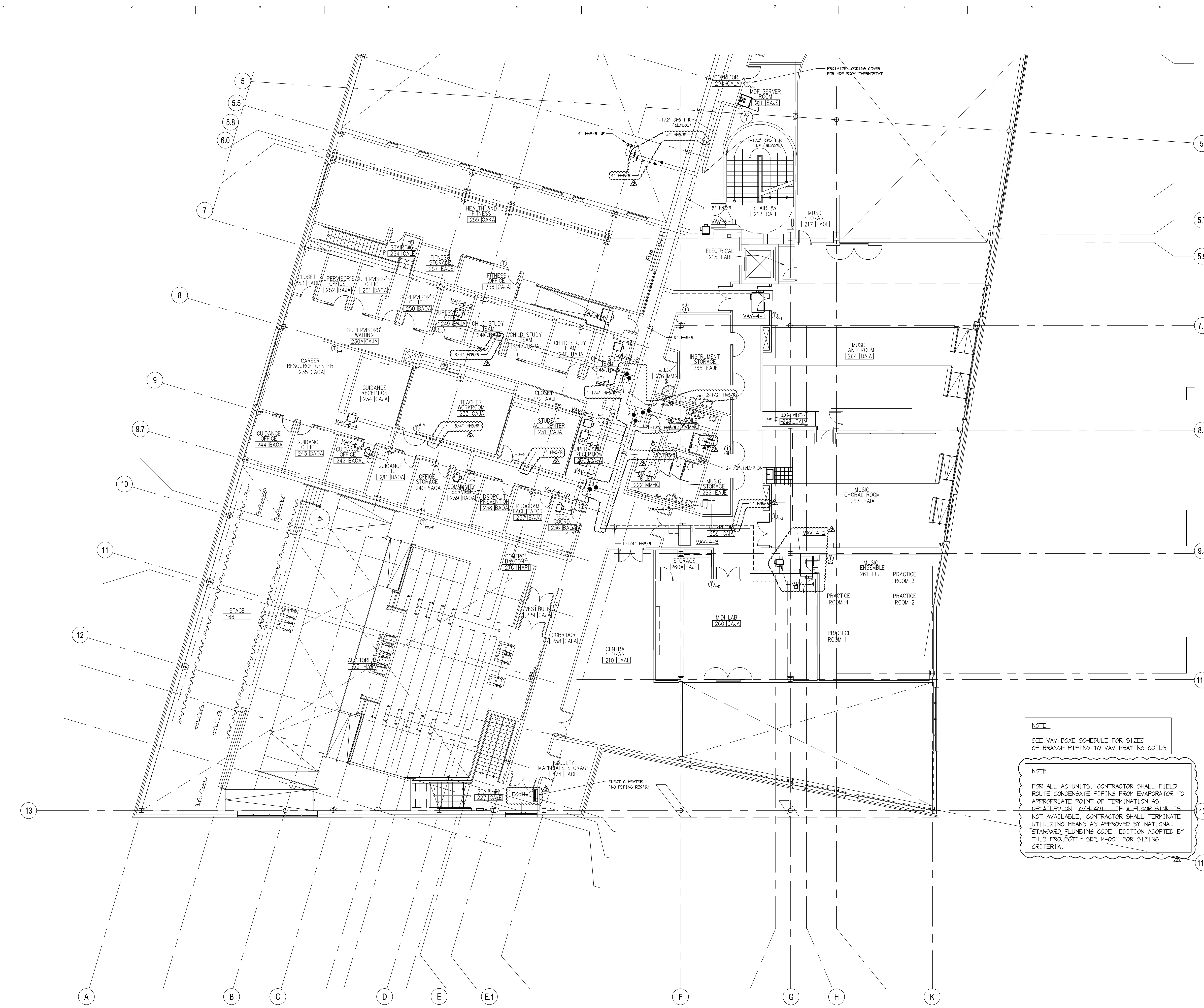
Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #15 – Revised Drawing MP-102A

9/17/12



NOTE:
SEE VAV BOXE SCHEDULE FOR SIZES OF BRANCH PIPING TO VAV HEATING COILS

NOTE:
FOR ALL AC UNITS, CONTRACTOR SHALL FIELD ROUTE CONDENSATE PIPING FROM EVAPORATOR TO APPROPRIATE POINT OF TERMINATION AS DETAILED ON I2/M-401. IF A FLOOR SINK IS NOT AVAILABLE, CONTRACTOR SHALL TERMINATE UTILIZING MEANS AS APPROVED BY NATIONAL STANDARD PLUMBING CODE, EDITION ADOPTED BY THIS PROJECT. - SEE M-001 FOR SIZING CRITERIA.

MECHANICAL PIPING 2ND FLOOR PLAN - PART A

1/8" = 1'-0"

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-6955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kensington, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

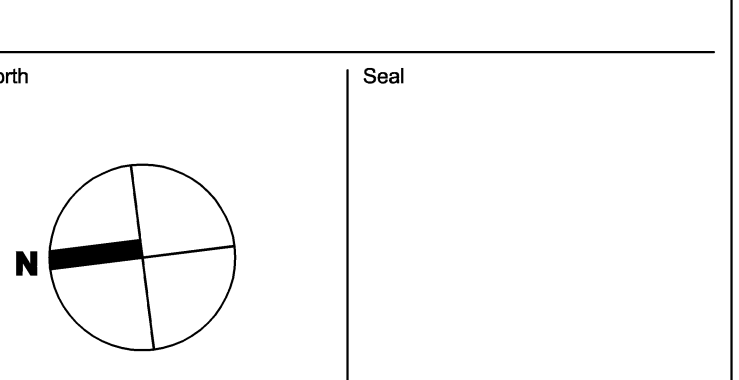
Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schanck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-6200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 216-6666



District Superintendent Signature
PAOLO MURROZ
District Board President Signature
FRANCISCO GONZALEZ

No.	Date	Issue
2	SEPT 13, 12	ADDENDUM
1	JULY 13, 12	ISSUED FOR BID

MECHANICAL PIPING
2ND FLOOR PLAN
PART A

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009
Date: _____ Sheet No: _____
Scale: 1/8" = 1'-0"
SPW:SKW: 209065
File name: MP102A



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #16 – Revised Drawing MP-102B

9/17/12

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-5955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kamforth, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

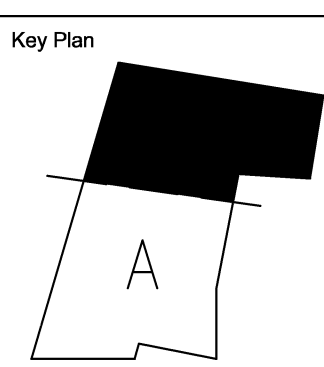
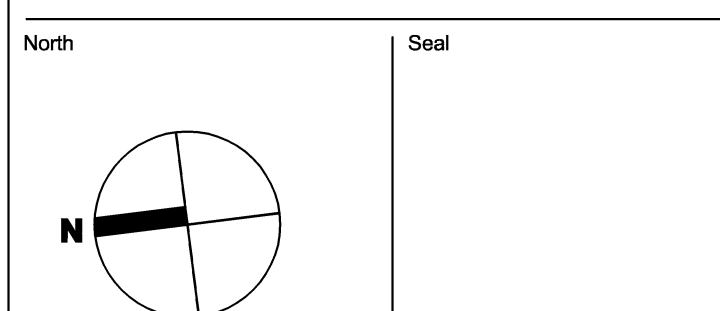
Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schanck Road
Suite K-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-8200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 215-9598



District Superintendent Signature
PABLO MORALES

District Board President Signature
FRANCISCO GONZALEZ

No.	Date	Issue
1	SEPT 13, 12	ADDENDUM
2	JULY 13, 12	ISSUED FOR BID

MECHANICAL PIPING
2ND FLOOR PLAN
PART B

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009

Date: _____ Sheet No: _____

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

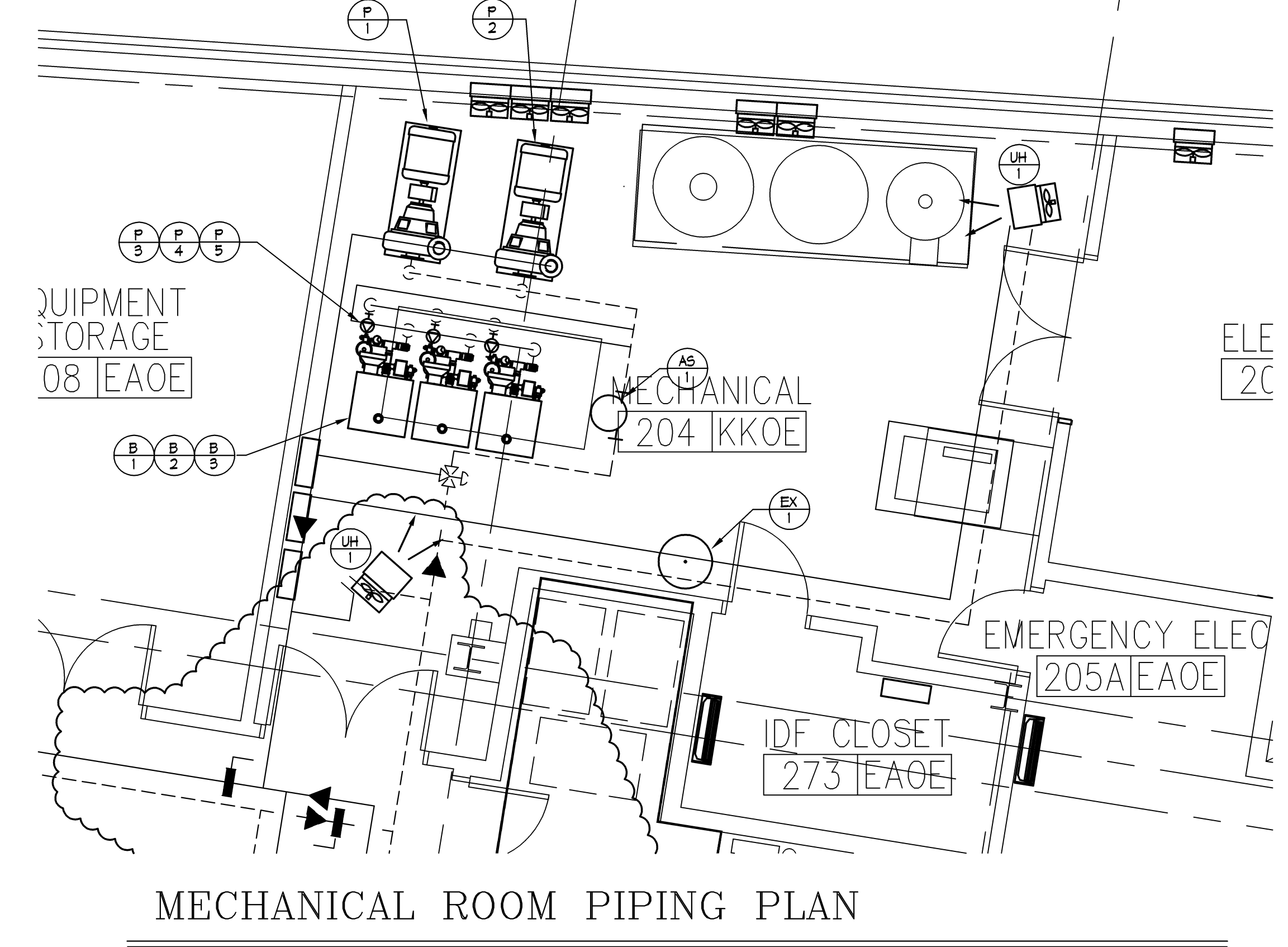
SPW: JMS
209065

File name: _____

MP102B



MECHANICAL PIPING 2ND FLOOR PLAN - PART B
1/8"=1'-0"



MECHANICAL ROOM PIPING PLAN
1/4"=1'-0"

NOTE: REFER TO 2/M001 FOR PIPING SIZES



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #17 – Revised Drawing MP-103A

9/17/12

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-6955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kensington, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

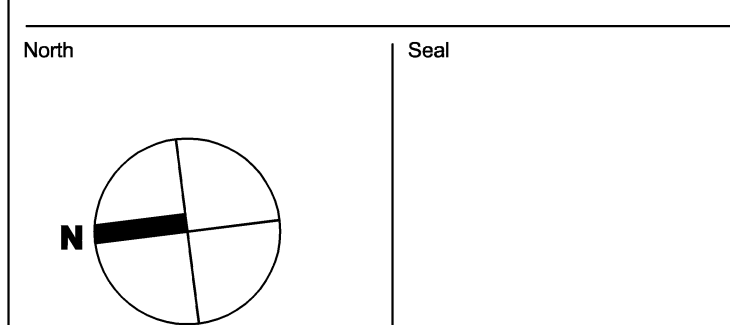
Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schenck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-6200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 215-9598

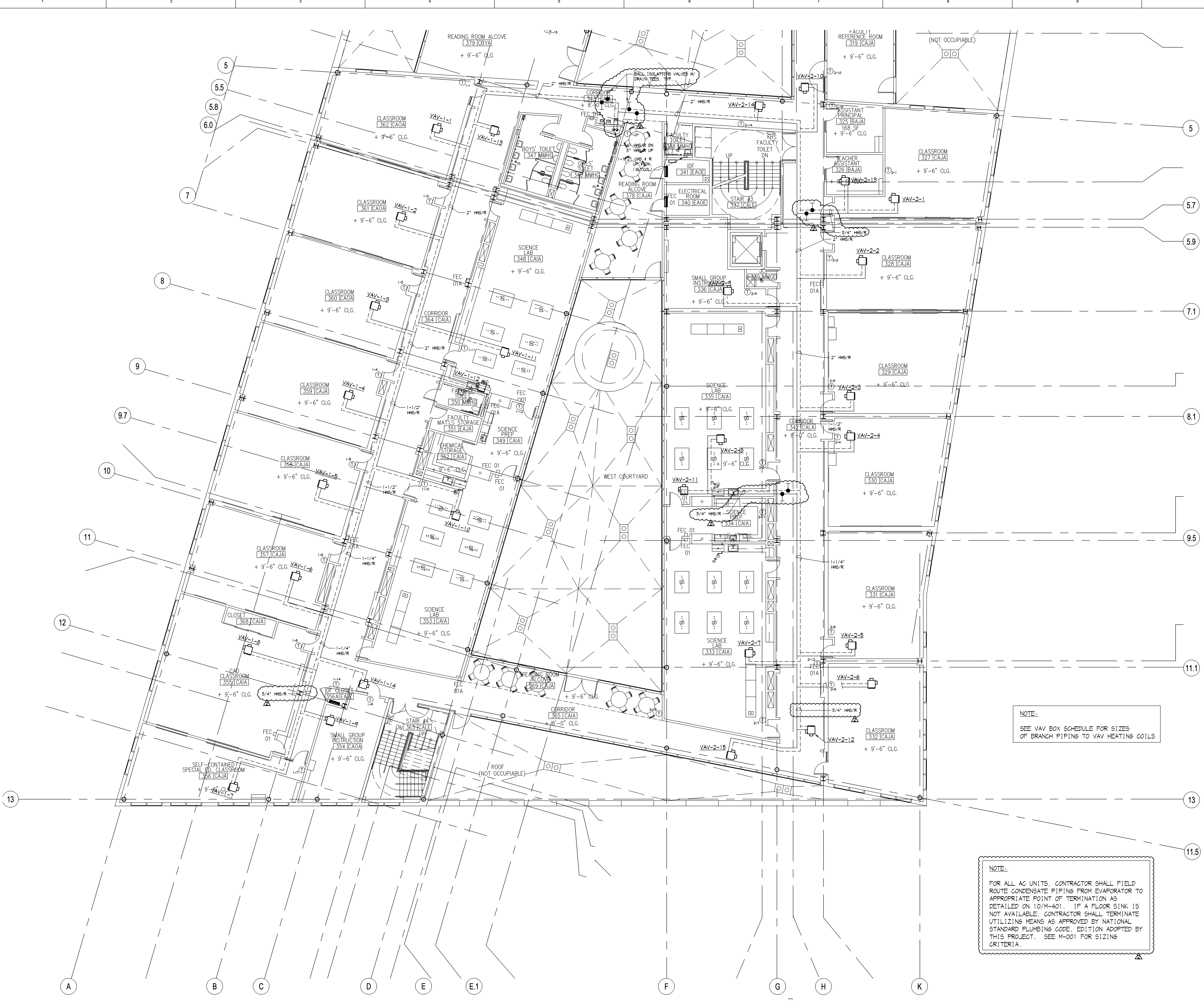


District Superintendent Signature
PABLO MUÑOZ
District Board President Signature
FRANCISCO GONZALEZ

2 SEPT 13, 12 ISSUED FOR ADDENDUM 5
1 JULY 13, 12 ISSUED FOR BID

MECHANICAL PIPING
3RD FLOOR PLAN
PART A

Scale:
1/8" = 1'-0"
SPW:JMS
209065
File name:
MP103A



NOTE:
SEE VAV BOX SCHEDULE FOR SIZES
OF BRANCH PIPING TO VAV HEATING COILS

NOTE:
FOR ALL AC UNITS, CONTRACTOR SHALL FIELD
ROUTE CONDENSATE PIPING FROM EVAPORATOR TO
APPROPRIATE POINT OF TERMINATION AS
DETAILED ON 10/M-401. IF A FLOOR SINK IS
NOT AVAILABLE, CONTRACTOR SHALL TERMINATE
UTILIZING MEANS AS APPROVED BY NATIONAL
STANDARD PLUMBING CODE, EDITION ADOPTED BY
THIS PROJECT. SEE M-001 FOR SIZING
CRITERIA.

MECHANICAL PIPING 3RD FLOOR PLAN – PART A

1/8"=1'-0"



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #18 – Revised Drawing MP-103B

9/17/12

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-6955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kensilworth, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

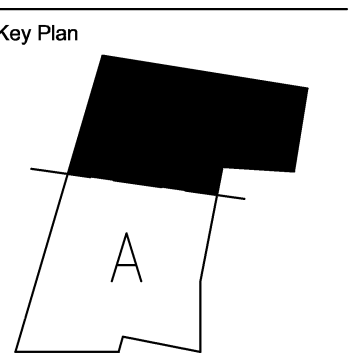
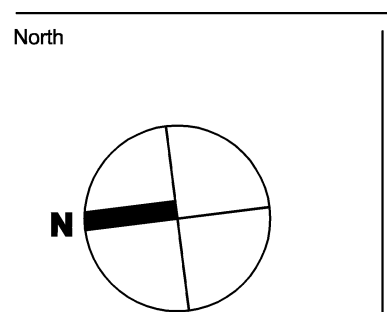
Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schanck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-6200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 216-6666



District Superintendent Signature
PABLO MUÑOZ

District Board President Signature
FRANCISCO GONZALEZ

2 SEPT 13, 12 ISSUED FOR ADDENDUM 5
1 JULY 13, 12 ISSUED FOR BID

No. Date Issue

Sheet Name

MECHANICAL PIPING
3RD FLOOR PLAN
PART B

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009

Date: Sheet No:

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

SPW: JMS: 209065

File name: MP103B



NOTE:
SEE VAV BOX SCHEDULE FOR SIZES
OF BRANCH PIPING TO VAV HEATING COILS

NOTE:
FOR ALL AC UNITS, CONTRACTOR SHALL PIPED
ROUTE CONDENSATE PIPING FROM EVAPORATOR TO
APPROPRIATE POINT OF TERMINATION AS
DETAILED ON 10/M-401. IF A FLOOR SINK IS
NOT AVAILABLE, CONTRACTOR SHALL TERMINATE
UTILIZING MEANS AS APPROVED BY NATIONAL
STANDARD PLUMBING CODE, EDITION ADOPTED BY
THIS PROJECT. SEE M-001 FOR SIZING
CRITERIA.

MECHANICAL PIPING 3RD FLOOR PLAN – PART B

1/8"=1'-0"



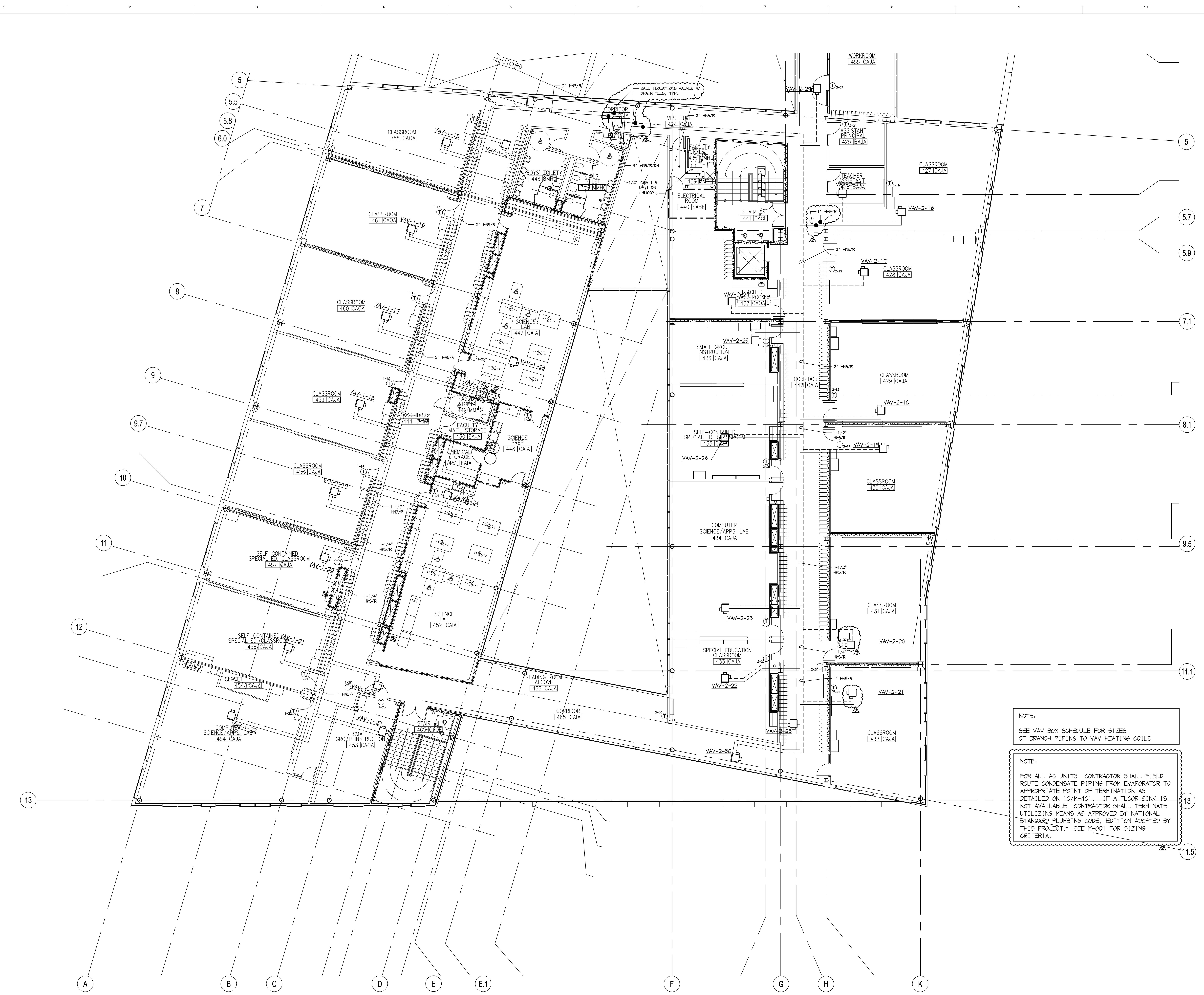
Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #19 – Revised Drawing M-104A

9/17/12



NOTE:
SEE VAV BOX SCHEDULE FOR SIZES OF BRANCH PIPING TO VAV HEATING COILS

NOTE:
FOR ALL AC UNITS, CONTRACTOR SHALL FIELD ROUTE CONDENSATE PIPING FROM EVAPORATOR TO APPROPRIATE POINT OF TERMINATION AS DETAILED ON 10/M-401. IF A FLOOR SINK IS NOT AVAILABLE, CONTRACTOR SHALL TERMINATE UTILIZING MEANS AS APPROVED BY NATIONAL STANDARD PLUMBING CODE, EDITION ADOPTED BY THIS PROJECT. SEE M-001 FOR SIZING CRITERIA.

SDA
NJ Schools Development Authority
ELIZABETH ACADEMIC HIGH SCHOOL

Owner
State of New Jersey Schools Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-6955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers Collaborative, Inc.
730 Boulevard
Kensington, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

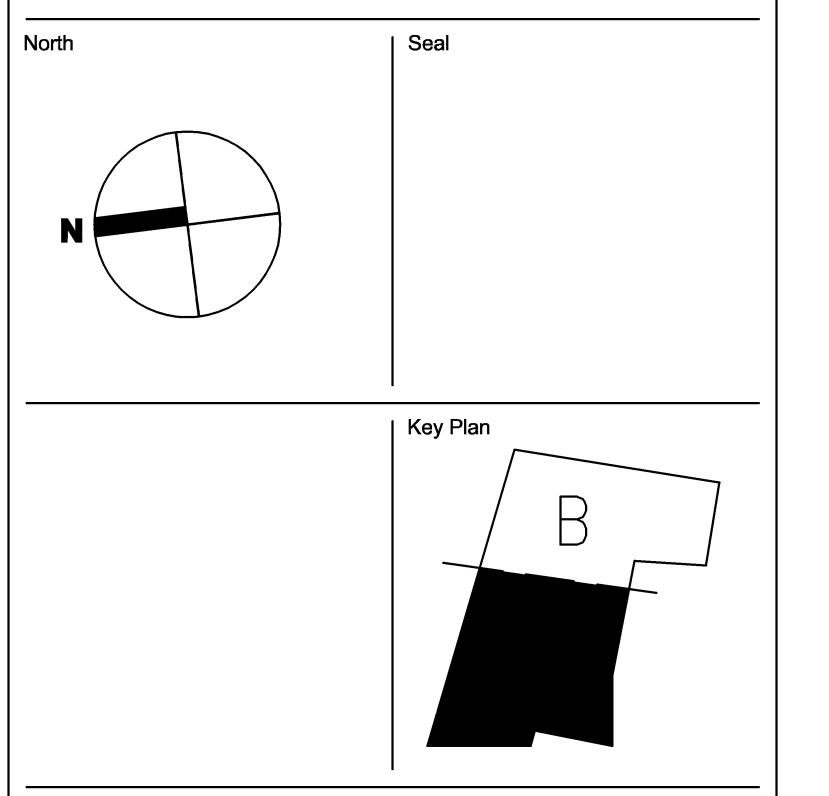
Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schenck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-6200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 218-6666



District Superintendent Signature
FRANCISCO GONZALEZ

District Board President Signature
FRANCISCO GONZALEZ

2	SEPT 13, 12	ISSUED FOR ADDENDUM 5
1	JULY 13, 12	ISSUED FOR BID
No.	Date	Issue
Sheet Name:		

MECHANICAL PIPING 4TH FLOOR PLAN PART A

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009
Date: _____ Sheet No.: _____
Scale: 1/8" = 1'-0"
SPW:SPW: 209065
File name: MP104A

MECHANICAL PIPING 4TH FLOOR PLAN - PART A
1/8"=1'-0"



Elizabeth Academic High School
Elizabeth School District

EL-0006-C01

Addendum #6

Attachment #20 – Revised Drawing MP-104B

9/17/12

SDA
NJ Schools Development Authority
ELIZABETH
ACADEMIC HIGH
SCHOOL

Owner
State of New Jersey Schools
Development Corporation
1 West State Street
Trenton, NJ 08625
(609) 943-5955

Project Management
Bovis Lend Lease
512 Morris Avenue, Suite 2B
Elizabeth, NJ 07208
(908) 354-3600

Architect
SOM
SKIDMORE, OWINGS & MERRILL PA
14 Wall Street
New York, NY 10005
(212) 298-9300

Structural Engineering
Consulting Engineers
Collaborative, Inc.
730 Boulevard
Kensington, NJ 07033
(908) 298-1600

Mechanical & Electrical Engineering
Plumbing and Fire Protection
Concord Engineering Group, Inc.
520 South Burnt Mill Road
Voorhees, NJ 08043
(856) 427-0200

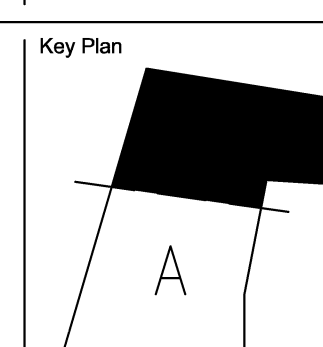
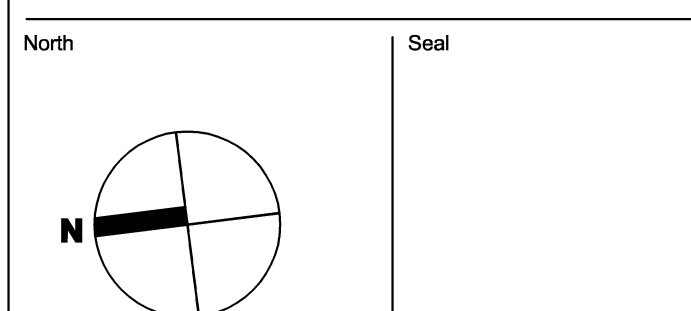
Surveying and Civil Engineering
Langan Engineering
River Drive Center 1
Elmwood Park, NJ 07407
(201) 794-6900

Landscape Design
MKW & Associates
39 Park Avenue
Rutherford, NJ 07070
(201) 933-7809

Information Technology
Intertech Associates, Inc.
77-56 Schenck Road
Suite A-14
Freehold, NJ 07728
(732) 431-4236

Food Service Consultants
Hopkins Food Service
Specialists, Inc.
27 West 24th Street
New York, NY 10010
(301) 320-8200

Fire Protection and Life Safety
Code Consultants, Inc.
330 West 38th Street
New York, NY 10018
(212) 218-8888



District Superintendent Signature
PABLO MUÑOZ

District Board President Signature
FRANCISCO GONZALEZ

2 SEPT 13, 12 ISSUED FOR ADDENDUM 5
1 JULY 13, 12 ISSUED FOR BID

MECHANICAL PIPING
4TH FLOOR PLAN
PART B

Copyright, Skidmore, Owings & Merrill Architects, LLP 2009

Date: _____ Sheet No: _____

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

SPW: JMS/2009055

File name: _____

MP104B



NOTE:
SEE VAV BOXE SCHEDULE FOR SIZES
OF BRANCH PIPING TO VAV HEATING COILS

NOTE:
FOR ALL AC UNITS, CONTRACTOR SHALL FIELD
ROUTE CONDENSATE PIPING FROM EVAPORATOR TO
APPROPRIATE POINT OF TERMINATION AS
DETAILED ON 10/M-401. IF A FLOOR SINK IS
NOT AVAILABLE, CONTRACTOR SHALL TERMINATE
UTILIZING MEANS AS APPROVED BY NATIONAL
STANDARD PLUMBING CODE, EDITION ADOPTED BY
THIS PROJECT. SEE M-001 FOR SIZING
CRITERIA.

MECHANICAL PIPING 4TH FLOOR PLAN – PART B
1/8"=1'-0"