

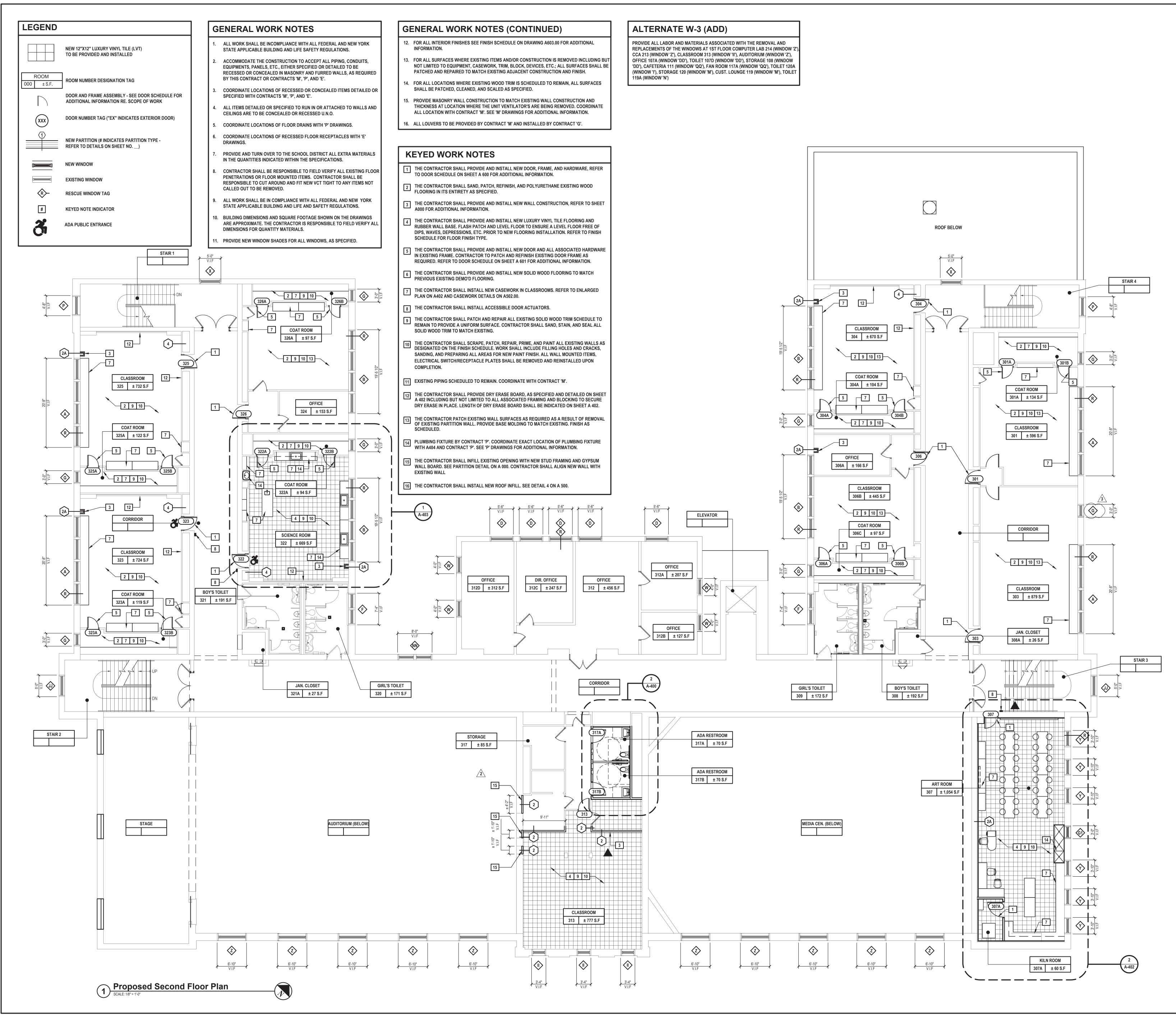
MARK	DATE	DESCRIPTION
0	09-11-24	SED SUBMISSION
1	02-25-25	SED ADDENDUM 1
2	05-28-25	FINAL BID SET
2	06-09-25	FINAL BID SET - ADDENDUM #2
3	06-13-25	FINAL BID SET - ADDENDUM #3

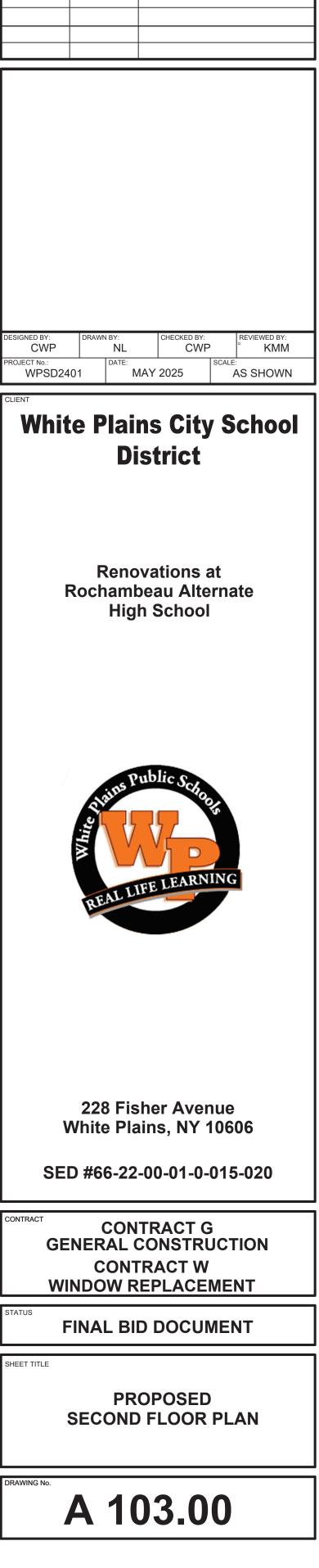
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SULTANTS:



architects + engineers



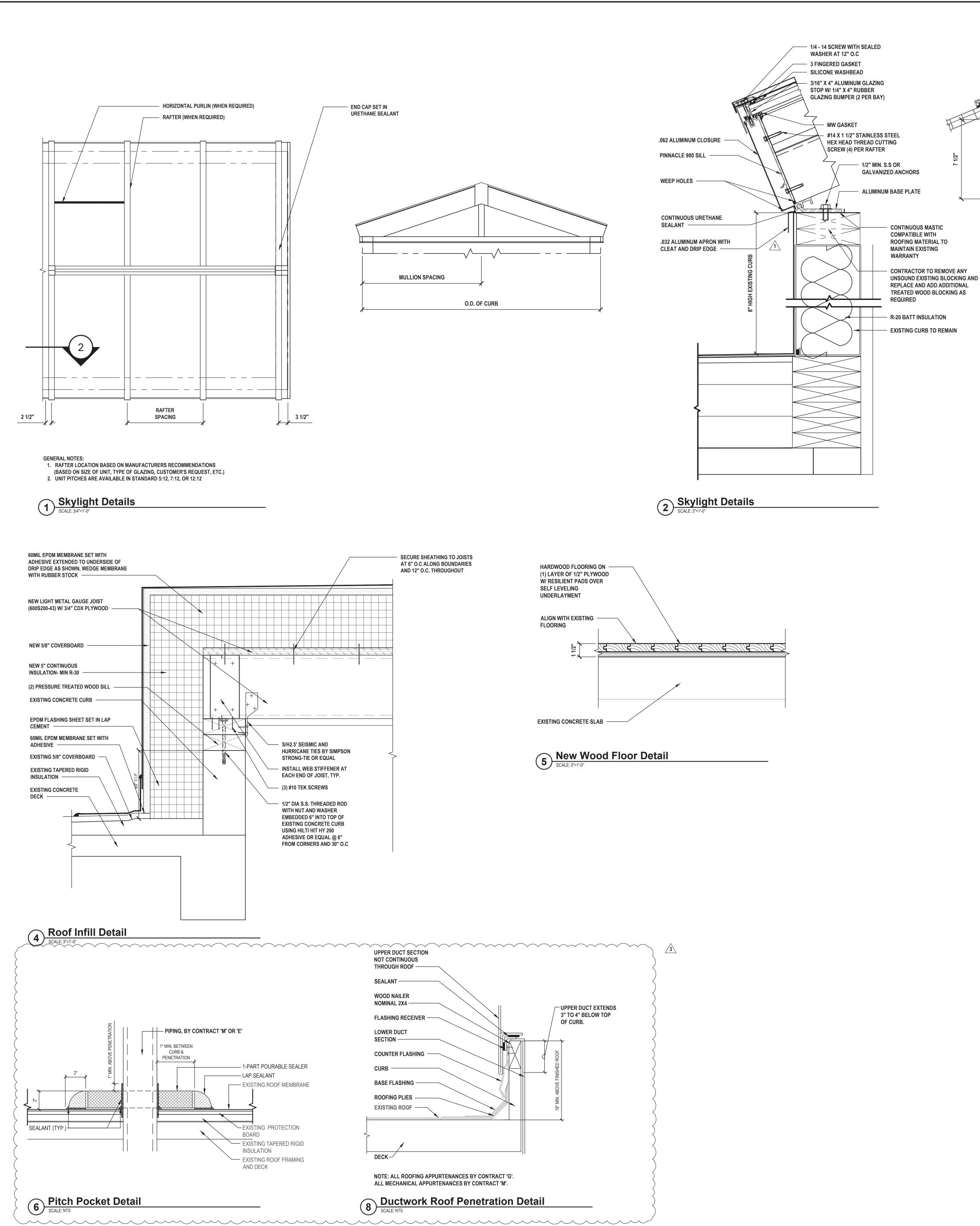


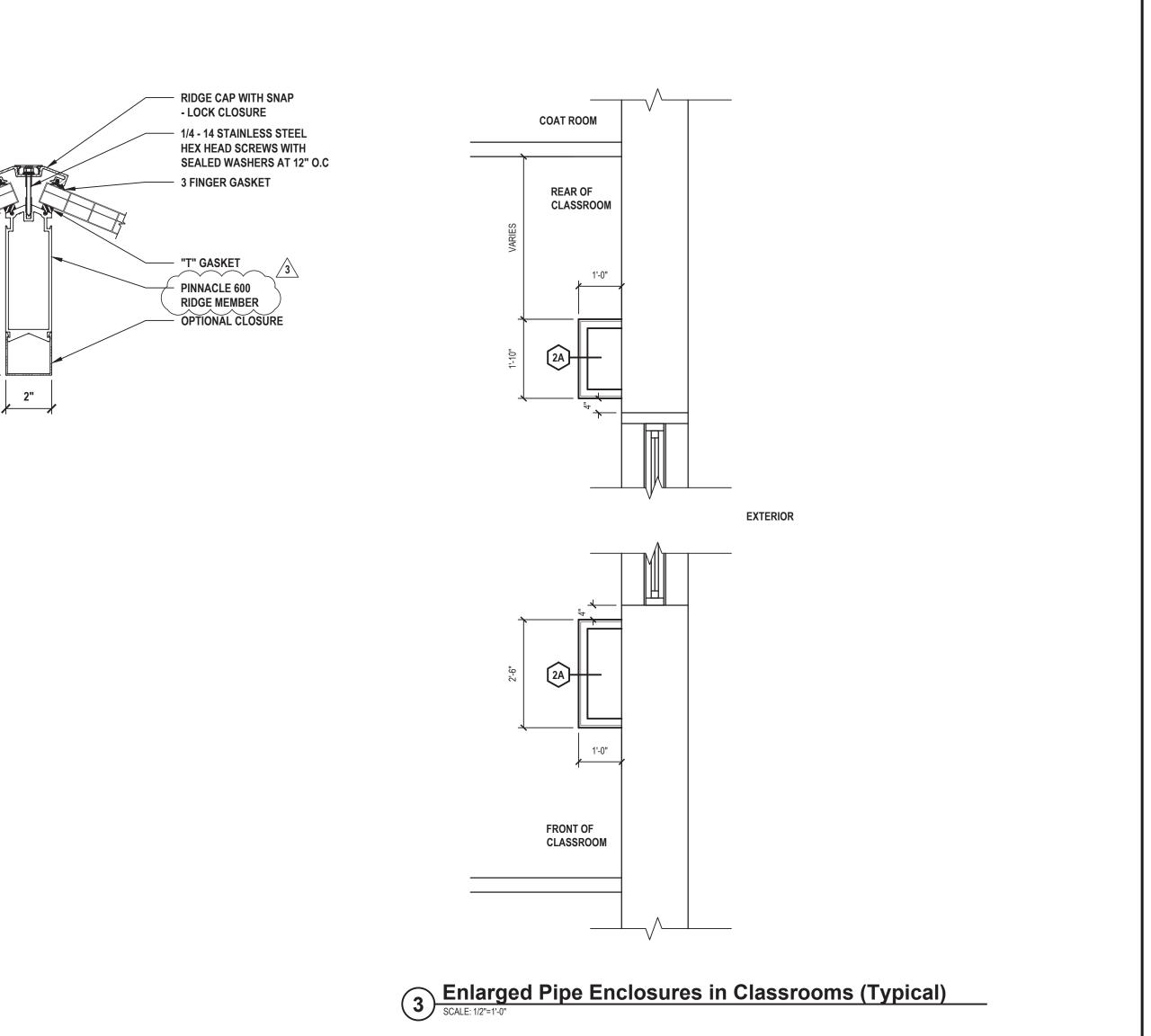
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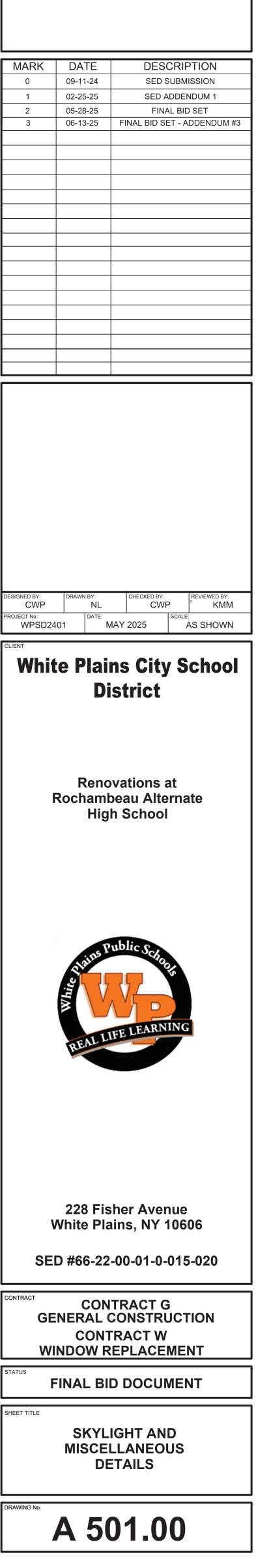
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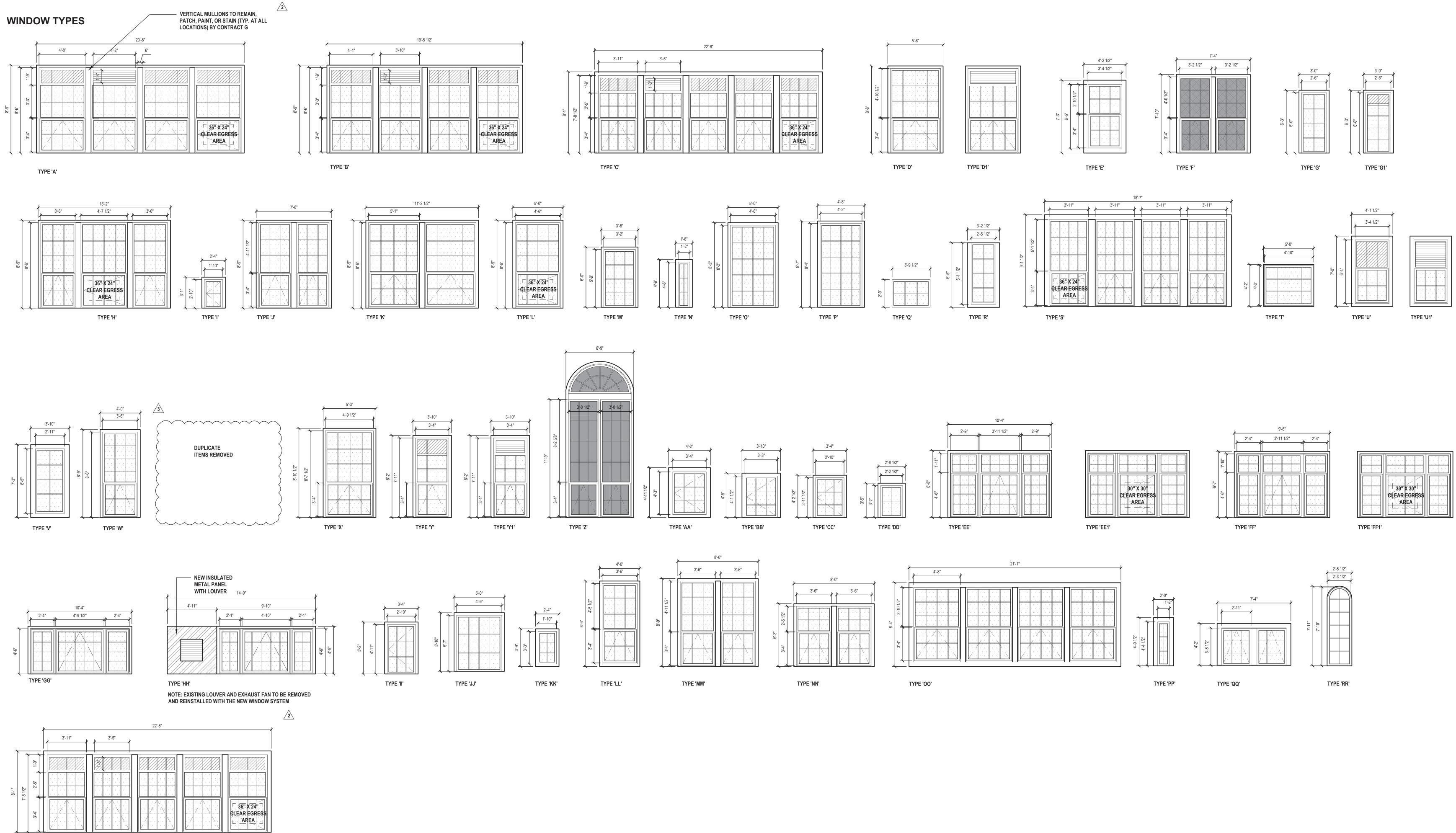




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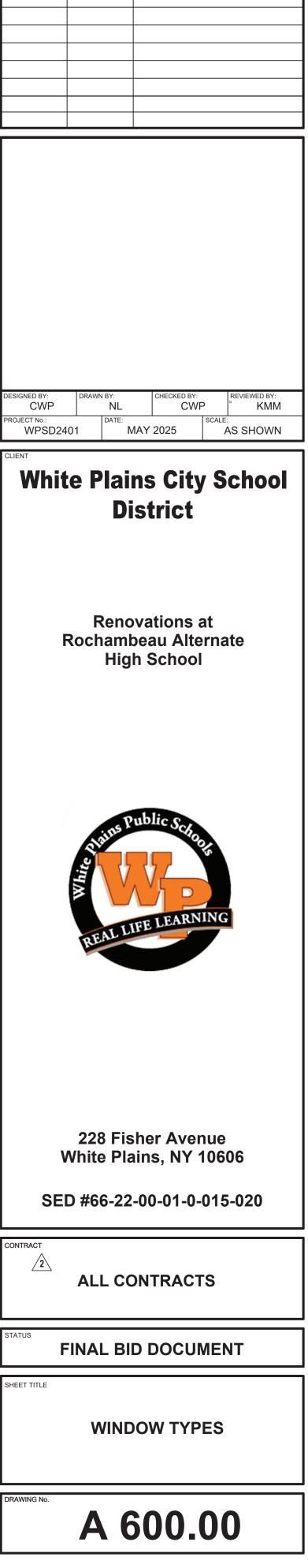




TYPE 'C1'

GENERAL WINDOW NOTES 1. THE CONTRACTOR SHALL PROVIDE CASEMENT WINDOW WITH FIXED MULLION WHERE EGRESS WINDOW IS REQUIRED. MULLION TO ALIGN WITH ADJACENT AWNING WINDOW TOP RAILS - REFER TO PLANS AND ELEVATIONS FOR LOCATION OF EGRESS WINDOWS. _____ 2. WHERE LOUVERS ARE SHOWN, PROVIDE INSULATED SHEET METAL PANEL ON ALL UNUSED PORTIONS OF NEW LOUVER AND FABRICATE NEW SHEET METAL PLENUM ON REAR OF NEW LOUVER FOR CONNECTION TO EXISTING DUCT - PROVIDED BY CONTRACT 'M' AND INSTALLED BY CONTRACT 'G'. 3. CONTRACTOR SHALL VERIFY IN FIELD ALL EXISTING WINDOW OPENINGS PRIOR TO SHOP DRAWING SUBMISSION.

LEGEND WINDOW TINT TYPE - E1 WINDOW TINT- E2 OPAQUE WINDOW TINT - E3 SPANDREL TINT- E4 INSULATED METAL PANEL



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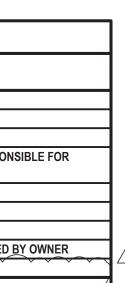
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.	WXDXH	MATERIAL	COUNTER TOP	LOCKING HARDWARE	BACK SPLASH	SINK
C01	BASE CABINET WITH OPEN SHELVING	FLEETWOOD	GSS1362029LN	36" x 20" x 29"		•	-		-
C02	BASE DRAWER	FLEETWOOD	GDB1302037LD	30" x 20" x 37"		•	•		-
C03	BASE CABINET	FLEETWOOD	GSS1362037LD	36" x 20" x 37"					
C04	BASE TRAY	FLEETWOOD	GTR1422037LN	42" x 20" x 37"		•	-		-
C05	BASE TRAY	FLEETWOOD	GTR1422037LN	42" x 20" x 37"		•	-		-
C06	BASE CABINET	FLEETWOOD	GAD1482037LD	48" x 20" x 37"		•		•	-
C07	TALL SHELF	FLEETWOOD	GSS1482084LN	48" x 20" x 84"		-	-	•	-
C08	MONITOR HUTCH	FLEETWOOD	GHH1962047TN	96" x 20" x 47"					
C09	WALL HUNG SHELF W/ GLASS DOORS	LP WOOD LABORATORY FURNITURE	HG361230	36" x 12" x 30"		-	•	•	-
C10	WALL HUNG SHELF W/ DOORS	FLEETWOOD	GSS1241429WD	24" x 14" x 29"					
C11	WALL HUNG SHELF W/ DOORS	FLEETWOOD	GSS1181429WD	18" x 14" x 29"					
C12	BASE CABINET	LP WOOD LABORATORY FURNITURE	B362134	36" x 21" x 34"		•	•		-
C13	BOOKCASE	FLEETWOOD	GBK1301476LN	30" x 14" x 76"		-	-	•	-
C14	ADA BASE SINK	LP WOOD LABORATORY FURNITURE	P362434-HC	36" x 24" x 34"		•	-		•
C15	BASE SINK	LP WOOD LABORATORY FURNITURE	E363034	36" x 30" x 34"		•			•
C16	WALL HUNG SHELF W/ DOORS	FLEETWOOD	GSS1301429WD	30" x 14" x 29"		-			-
C17	BASE CABINET	LP WOOD LABORATORY FURNITURE	B363034	36" x 30" x 34"					
C18	BOOKCASE	FLEETWOOD	GBK1241476LN	24" x 14" x 76"		-	-	•	-
C19	WARDROBE	FLEETWOOD	GWF1422084LN	42" x 20" x 84"		-		•	-
C20	CUBBIES	FLEETWOOD	GL31422084LN	42" x 20" x 84"		-	-	•	-
C21	BASE CABINET	FLEETWOOD	GSS1422037LD	42" x 20" x 37"		-	-	•	-
C22	TALL SHELF	FLEETWOOD	GSS1422084LN	42" x 20" x 37"			-	•	-
C23	WALL HUNG SHELF	FLEETWOOD	GSS1421429WN	42" x 14" x 29"		-	-	•	-
C23	WALL HUNG SHELF	FLEETWOOD	GSS1361429WN	36" x 14" x 29"	1				

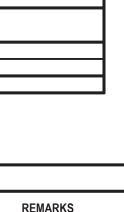
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.	COMMENTS
F01	WORKSTATION	FLEETWOOD	TWKR6030	TO BE PROVIDED BY OWNER
F02	TEACHER'S DESK	FLEETWOOD	TWC24824374N	TO BE PROVIDED BY OWNER
F03	CORK BOARD			
F04	WHITE BOARD LAMINATE			LAMINATE TO BE ADHERED TO EXISTING CHALKBOARD. CONTRACTOR TO BE RESPONS PREPPING EXISTING SURFACE
F05	WORKSTATION	FLEETWOOD		TO BE PROVIDED BY OWNER
F06	STOOLS	FLEETWOOD	ST1829	TO BE PROVIDED BY OWNER
F07	COMPUTER CHAIRS	FLEETWOOD	ETSKM21	TO BE PROVIDED BY OWNER
F08	COMPUTER TABLE	FLEETWOOD	21RS720	INSTALL WITH BURELE POWER UNIT TO BE PROVIDED B
F09	INSTRUCTOR'S DESK	LP WOOD LABORATORY FURNITURE	B1003	

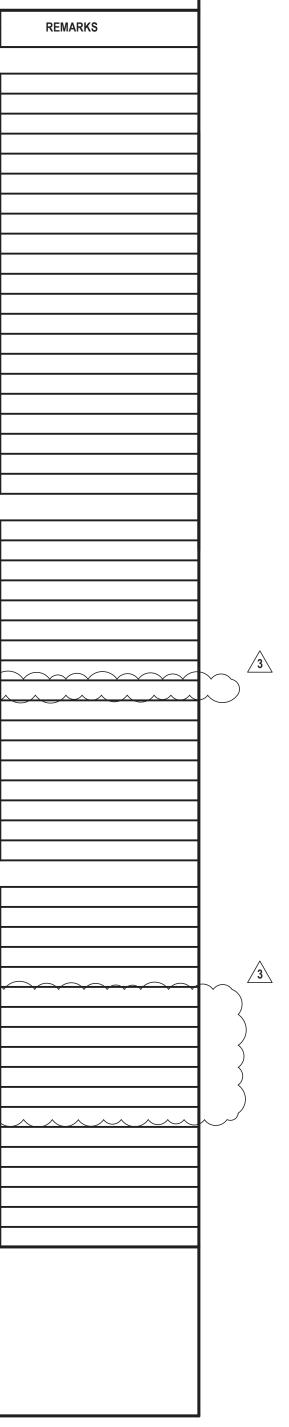
EQUIPMENT SCHEDULE							
DESCRIPTION	MANUFACTURER	MODEL NO.	COMMENTS				
TROUGH SINK			TO BE PROVIDED AND INSTALLED BY CONTRACT P				
CLASSROOM MONITOR	BENQ	RM7503	TO BE PROVIDED BY DISTRICT AND INSTALLED BY CONTRACT G				
	DESCRIPTION TROUGH SINK	DESCRIPTION MANUFACTURER TROUGH SINK	DESCRIPTION MANUFACTURER MODEL NO. TROUGH SINK				

RUU	M NO. / NAME	FLOOR	FLOOR	BASE	NORTH			WALL	SOUTH		WEST			CEILING		1
		TEOOR	FINISH		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	
GROU	ND FLOOR															
101	CLASSROOM	EX	SS	EX	EX	PT	EX	РТ	EX	PT	EX	PT	ACT 1		10'-0"	
102	CLASSROOM	EX	SS	EX	EX	PT	EX	РТ	EX	PT	EX	PT	ACT 1		10'-0"	<u> </u>
103	CLASSROOM	EX	SS	EX	EX	PT	EX	PT	EX EX	PT PT	EX	PT	ACT 1		10'-0"	─
103A	COAT ROOM CLASSROOM	EX EX	SS	EX	EX	PT PT	EX EX	PT	EX	PT PT	EX EX	PT PT	ACT 1 ACT 1		10'-0"	–
104 104A	CLASSROOM COAT ROOM		SS	EX	EX			PT		PT			ACT 1		10'-0"	┣──
105	CLASSROOM	EX EX	SS SS	EX EX	EX EX	PT PT	EX EX	PT PT	EX EX	PT	EX EX	PT PT	ACT 1		10'-0" 10'-0"	├──
105A	COAT ROOM	EX	SS SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	┢──
106	CLASSROOM	EX	SS	EX	EX	PT	EX	PT	EX	РТ	EX	PT	ACT 1		10'-0"	┢──
106A	COAT ROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	┢──
114	CLASSROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	<u> </u>
114A	COAT ROOM	EX	SS	EX	EX	PT	EX	PT	EX	РТ	EX	PT	ACT 1		10'-0"	
121	CLASSROOM	EX	SS	EX	EX	PT	EX	РТ	EX	PT	EX	PT	ACT 1		10'-0"	
121A	COAT ROOM	EX	SS	EX	EX	PT	EX	PT	EX	РТ	EX	PT	ACT 1		10'-0"	
122	CLASSROOM	EX	SS	EX	EX	PT	EX	РТ	EX	PT	EX	PT	ACT 1		10'-0"	
122A	COAT ROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	
123	THERAPY ROOM	WD	SS	EX	EX	PT	EX	PT	EX	РТ	EX	PT	ACT 1		10'-0"	
	WOMEN'S TOILET	EX	PC	PC	GYP.	PC	EX	PC	EX	PC	EX	PC	ACT 1		10'-0"	
123B	MEN'S TOILET	EX	PC	PC	GYP.	PC	EX	PC	EX	PC	EX	PT	ACT 1		10'-0"	<u> </u>
124	CLASSROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	\square
124A	COAT ROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	
FIRST	T FLOOR															
201	CLASSROOM	EX	SS	EX	EX	РТ	EX	РТ	EX	PT	EX	PT	ACT 1		10'-0''	
202	CLASSROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0''	
203	CLASSROOM	EX	SS	EX	EX	PT	EX	РТ	EX	PT	EX	PT	ACT 1		10'-0"	<u> </u>
203A	COAT ROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	_
204	CLASSROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	_
204A 206	COAT ROOM	EX	SS SS	EX	EX	PT	EX	PT	EX	PT PT	EX	PT PT	ACT 1 ACT 1		10'-0"	┣──
	CLASSROOM COAT ROOM	EX		EX	EX	PT	EX	PT	EX		EX	म र्म			10'-0"	├──
206A	CUALAUUM	EX		<u> </u>	EX_	PT	EX	-FI-	<u> </u>		EX			$\sim\sim$	10'-0"	\frown
223		EX	SS	EX	<u> </u>	PT	EX	PT	EX	PT	EX	PT	ACT 1	^^_	10'-0"	┢──
223A	COAT ROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	┢──
224	CLASSROOM	EX	SS	EX	EX	РТ	EX	РТ	EX	РТ	EX	РТ	ACT 1		10'-0"	
224A	COAT ROOM	EX	SS	EX	EX	РТ	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	
225	CLASSROOM	EX	SS	EX	EX	РТ	EX	PT	EX	PT	EX	PT	ACT 1		10'-0''	
225A	COAT ROOM	EX	SS	EX	EX	PT	EX	РТ	EX	PT	EX	PT	ACT 1		10'-0"	
226	CLASSROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0''	
226A	COAT ROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	
SECON	ND FLOOR															
301	CLASSROOM	EX	SS	EX	EX	РТ	EX	PT	EX	РТ	EX	РТ	ACT 1		10'-0''	
301A	COAT ROOM	EX	SS	EX	EX	РТ	EX	PT	EX	PT	EX	РТ	ACT 1		10'-0''	
303	CLASSROOM	EX	SS	EX	EX	РТ	EX	PT	EX	РТ	EX	РТ	ACT 1		10'-0''	
304	CLASSROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0''	
304A	COAT ROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1	,	10'-0"	
307	ARŤ ROŎM	EX	LVT	VINYL	GYP	°PT	GYP	PT	GYP	РТ`	GYP	РŤ	ACT 3	ļ	9'-6"	
307A	KILN ROOM	EX	LVT	VINYL	GYP	PT	GYP	PT	GYP	PT	GYP	PT	ACT 1		10'-0''	
313		EX	LVT	VINYL	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		8'-0"	┣—
317A	ADA RESTROOM	EX	PC	PC	CB	PC PC	CB	PC	CB	PC PC	CB	PC PC	ACT 2	ļ	8'-0"	┣──
317B 322	SCIENCE ROOM	EX	PC	PC	CB	PC PT	CB EX	PC PT	CB EX	PC PT	CB EX	PC PT	ACT 2 ACT 1		8'-0" 10'-0"	
322 322A		EX			EX			۲۱ ۲۰ ۲۰		PT	EX EX	PT			10'-0" 10'-0"	┣──
323	CLASSROOM	EX	SS	EX	EX	PT	EX		EX		EX	PT	ACT 1		10'-0"	┝╱
323A		EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	
325	COAT ROOM CLASSROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	├──
325A	COAT ROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	├──
326	CLASSROOM	EX	SS	EX	EX	PT	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	<u> </u>
326A	COAT ROOM	EX	SS	EX	EX	РТ	EX	PT	EX	PT	EX	PT	ACT 1		10'-0"	<u> </u>
<u>FINISH</u>	ABBREVIATIONS: ACT = BR = CB = CMU = CONC = EX =	ACOUSTIC BRICK CEMENT E	AL CEILING BACKER BOA E MASONRY E	RD	MR = PC = PLAS = PT = SS = TERR =	Porci Venee Paint	ED & STAINEI	FINISH	M BOARD							_

COMMENTS
TRAY OPTION D
TRAY OPTION E
┼────┨
<u> </u>



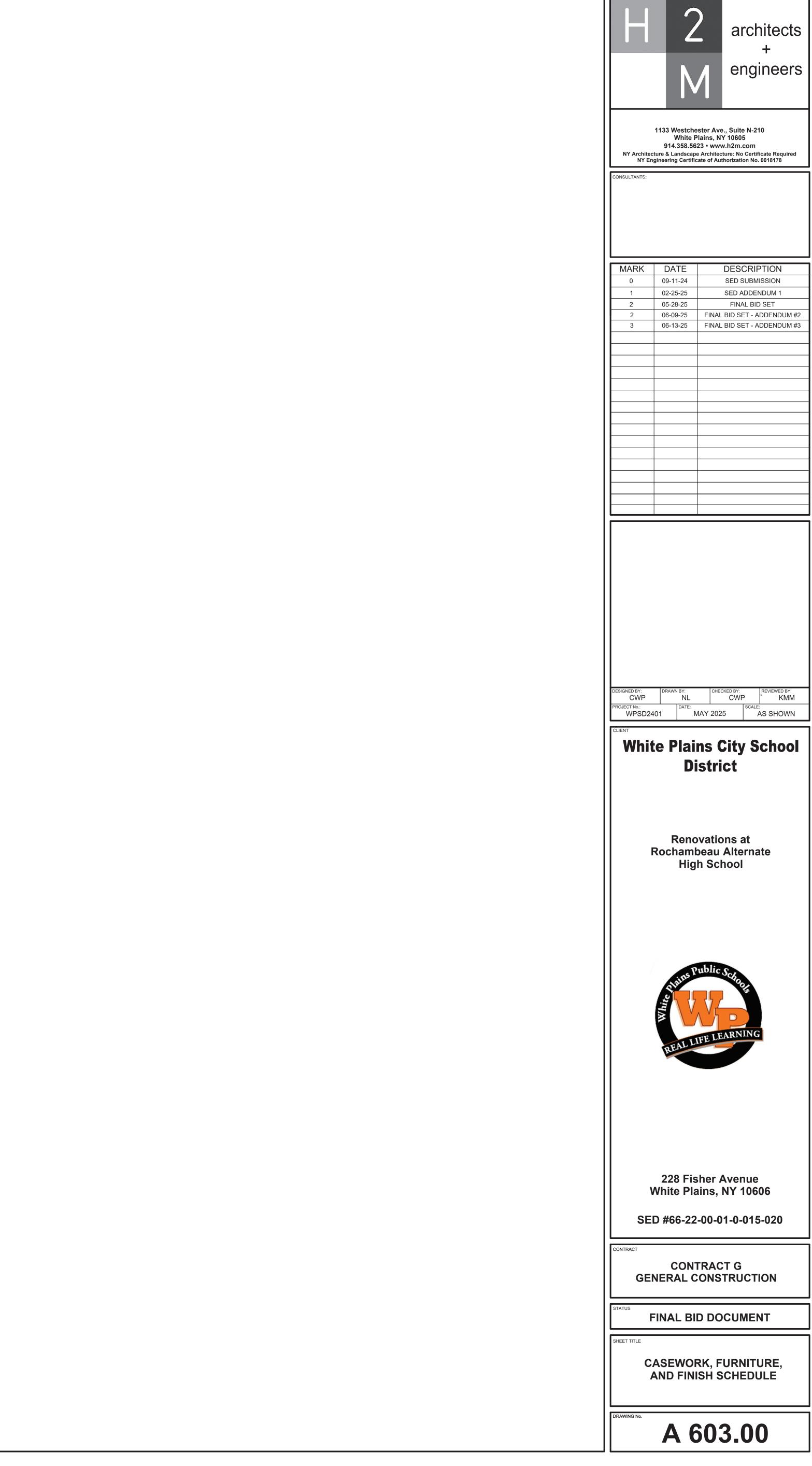




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ONSIBLE FOR



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	GEND
SYMBOL	DESCRIPTION
0	PIPING UP
<u>(</u>	PIPING DOWN
	PIPING RISE OR DROP
	- BRANCH-TOP CONNECTION
<u>Ļ</u>	BRANCH-BOTTOM CONNECTION
	- REDUCER
+CO ⊂O >>	CLEANOUT
ullet	FLOOR CLEANOUT
]	CAPPED PIPE
M	METER
\bigcirc	FLOOR DRAIN
\Diamond	AQUASTAT
	PUMP
	- STRAINER
/	- UNION
 	_ THERMOSTATIC MIXING VALVE
<u>۲۲۲</u>	- BALANCING VALVE (BLV)
	- GLOBE VALVE (GLV)
	- CHECK VALVE (CV)
	- GAS COCK, GAS STOP
6	- BALL VALVE (BV)
	- BUTTERFLY VALVE (BFV)
<u>، ۲</u>	_ SOLENOID VALVE
	PRESSURE-REDUCING VALVE (PRV)
	- GATE VALVE (GV)
	PRESSURE-RELIEF VALVE (RV)
	BACKFLOW PREVENTER
*+	_ FROST FREE HOSE BIBB
+	HOSE BIBB
××	HYDRANT
	- EXPANSION JOINT
•	WATER HAMMER ARRESTER
HDO 	
₹ <u> </u>	WALL CLEANOUT (WCO)
·	OF ARROW
	- COLD WATER (CW)
	- TEMPERED WATER (TW)
	- HOT WATER (HW)
	- TEMPERED WATER RETURN (TWR)
	- HOT WATER RETURN (HWR)
	WASTE PIPING (W,S,OW)
	BELOW SLAB WASTE PIPING
	VENT PIPING (V)
	GAS PIPING (G)
· <u></u>	TO BE REMOVED
	POINT OF CONNECTION

	ABBREVIATIONS
AFF	ABOVE FINISHED FLOOR
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CLG	CEILING
CO	CLEAN OUT
CODP	CLEAN OUT DECK PLATE
COWP	CLEAN OUT WALL PLATE
CW	COLD WATER
(D)	DEMOLISH
DCV	DOUBLE CHECK VALVE DEVICE
DEG. F	° FAHRENHEIT
DIA	DIAMETER
DN	DOWN
(E)	EXISTING
EA	EACH
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
G	GAS
'GC'	GENERAL CONSTRUCTION CONTRACTOR
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
'H'	HVAC CONTRACTOR
HP	HORSEPOWER
HW	HOT WATER
HWR	HOT WATER RETURN
IN.	INCHES
IN. W.C.	INCHES WATER COLUMN (WATER GAUGE)
(W.G.) KW	KILOWATTS
LBS	POUNDS
М	METER
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
OD	OUTER DIAMETER
(P)	PROPOSED
(') 'P'	PLUMBING CONTRACTOR
PD	
RD	
RPM	
RPZ	
SAN / S	SANITARY
ST	
TEMP	
TYP	
TW	TEMPERED WATER (110°F)
TWR	TEMPERED WATER RETURN
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE

DEMOLITION NOTES

GENERAL

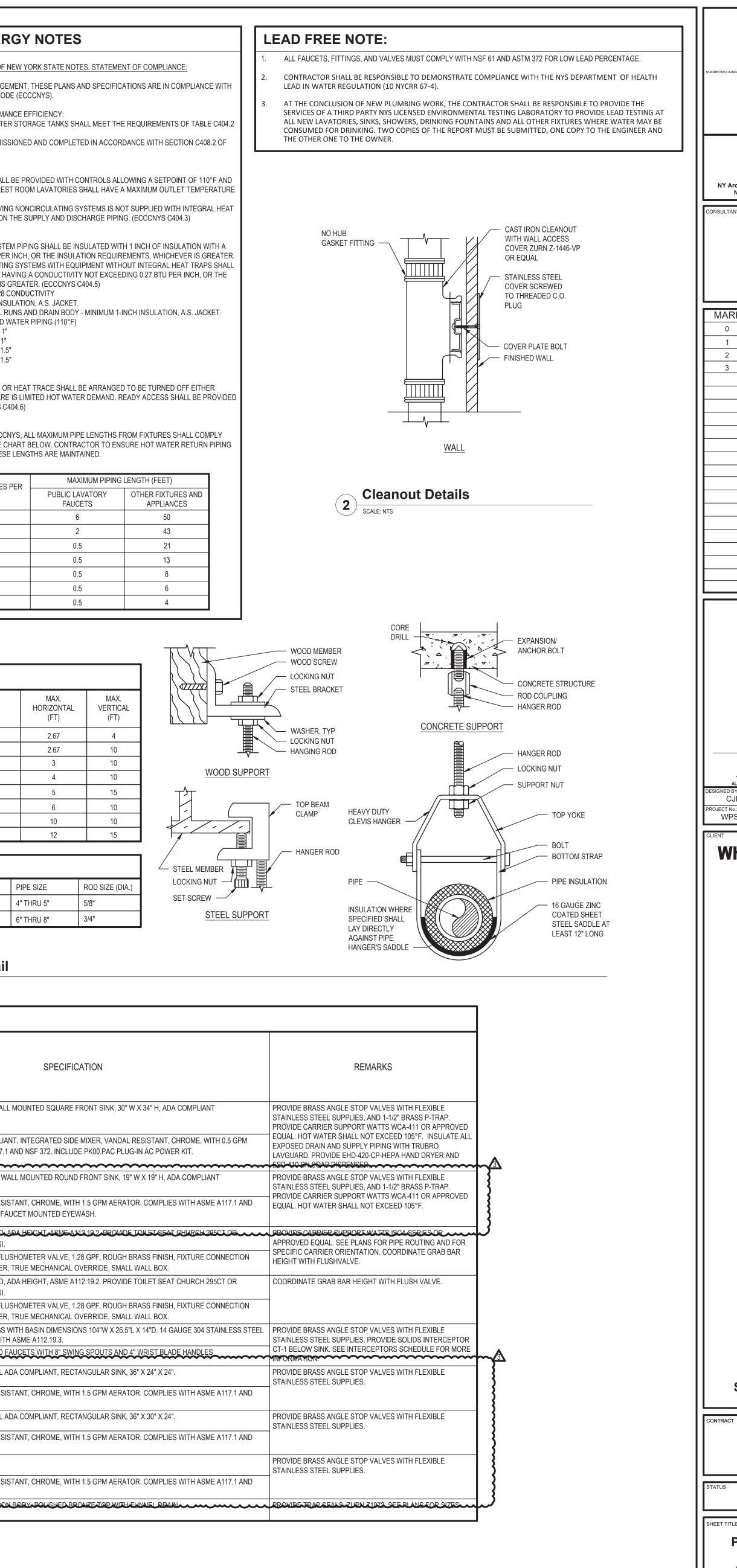
		PLUMBI	NG	FIXTURE SC
THROUGH ROOF				
-]	FIXTURE TAG		DESCRIPTION
THE EXISTING CONDITIONS AFFECT THE EXECUTION OF THE		LAV-1	LAVA	ATORY - WALL MOUNT - SE
EXAMINATION HAS BEEN MADE			\sim	
ERIALS REQUIRED BECAUSE OF /INATION BEEN MADE. TATE APPLICABLE BUILDING AND	 	LAV-2	LAVA	ATORY - WALL MOUNT - SE
IS, CUTTING, REPAIRING, ADAPTING ATE THE EXTENT OF DEMOLITION	 {			
INWANTED MATERIAL OFF SITE IN EQUIPMENT OR FIXTURES TO BE		WC-1	W.	ATER CLOSET - WALL MOU SPUD
THE CONTRACT AREA. THE ES DAMAGED DURING SSARY BY THE ARCHITECT. UMBING (AS WELL AS ELECTRICAL, NECTED USING MATERIALS		WC-2		TER CLOSET - FLOOR MOU DUTLET - ADA COMPLIANT -
VET COLUMNS OR SHAFTS, OR AS		SK-1		ART ROOM TROUGH SIN
THE BUILDING OWNER ON TIMING	IF			
CTED BY DEMOLITION OF EXISTING	k	SK-2		SCIENCE ROOM - A
T SHALL BE COMPLETELY REMOVED UCETS, FLOOR DRAINS, STOP		SK-3		SCIENCE ROOM SINK - INS
(DISCONNECTS AND CAPPINGS ACTORS SHALL SHUT WATER OFF NREA. RIOR TO THE START OF THE WORK.		SK-4		SCIENCE ROOM SINK - INS
	ľ	FD-1	~~	FLOOR DRAIN
	1	INTERC	EP	TORS
		EQUIPMEN NO.	Т	LOCATION
		CT-1		ART ROOMS
		Al-1		SCIENCE ROOM

1. PRIOR TO PROPOSAL SUBMISSION, THE CONTRACTOR SHALL VISIT THE SITE TO REVIEW ASSOCIATED WITH THE SCOPE OF WORK TO ASCERTAIN THE DIFFICULTIES WHICH WILL A WORK INCLUDING PIPING ACCESS. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE ABOVE SITE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATER DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMI ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK ST LIFE AND SAFETY REGULATIONS. DEMOLITION WORK SHALL INCLUDE ALL MATERIALS, LABOR, EXTENSIONS, CONNECTIONS AND OTHER PLUMBING WORK REQUIRED TO MAINTAIN SERVICE IF REQUIRED. COORDINA WORK WITH THE ARCHITECT AND BUILDING OWNER. 5. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UP ACCORDANCE WITH CONTRACT SPECIFICATIONS. COORDINATE WITH OWNER FOR ANY E KEPT ON SITE. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ALL EXISTING CONDITION SURFACE CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECES ALL EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH PROPOSED NEW PLU MECHANICAL AND GENERAL CONSTRUCTION WORK) SHALL BE RELOCATED AND RECONN CONFORMING TO STANDARDS OF THIS CONTRACT. PIPING SCOPE OF WORK REMOVE ALL ABANDONED BASE BUILDING PIPING BACK AND CAPPED AT THE EXISTING W NOTED ON DRAWINGS. 2. IF THE BUILDING IS TO REMAIN OPERATIONAL, CONTRACTOR SHALL COORDINATE WITH T OF WORK AND TO PROVIDE A MINIMUM OF 48-HOURS IN ADVANCE. 3. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING PIPING TO REMAIN WHICH ARE AFFEC CEILING AND PARTITIONS. PLUMBING FIXTURE SCOPE OF WORK 1. ALL FIXTURES INDICATED ON THE PLANS DESIGNATED FOR REMOVAL OR REPLACEMENT AND DISPOSED OF. SCOPE TO INCLUDE ALL PLUMBING FIXTURES INCLUDING, SINKS, FAU VALVES AND ALL DEVICES USED TO SECURE THESE FIXTURES IN PLACE. PRIOR TO THE REMOVAL OF FIXTURES, THE CONTRACTOR SHALL MAKE ALL NECESSARY AND WORK REQUIRED TO ACCESS THE PIPING WITHIN CHASES AND WALLS. THE CONTRA TO THE FIXTURES AND REPLACE ANY DAMAGED VALVES WITHIN THE SCOPE OF WORK AR FLUSH AND SNAKE ALL SANITARY/WASTE LINES BACK TO THEIR ASSOCIATED RISERS PRIC

	GENERAL PLUMBING NOTES		ENER
1. PROVIDE ALL MA	ERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND	2020 ENERGY CONSERVATIO	N CONSTRUCTION CODE OF
2. THE CONTRACT CONDITIONS RE	R, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD ATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO THE SUBMISSION OF BIDS.	TO THE BEST OF MY KNOWLI THE 2020 NEW YORK STATE	ENERGY CONSERVATION COL
3. PERFORM ALL W	RK IN ACCORDANCE WITH THE 2020 PLUMBING CODE OF NEW YORK STATE (PCNYS), MECHANICAL (MCNYS), ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.	1.1. WATER HEATING IN THE 2020 ECC	TING EQUIPMENT PERFORMA EQUIPMENT AND HOT WATE CNYS. (ECCCNYS C404.2) R HEATING SHALL BE COMMIS
4. APPLY FOR AND	ECURE ALL REQUIRED PERMITS AND INSPECTIONS AND PAY ALL COSTS FOR THE SAME.	THE 2020 ECCCN	
	RAWINGS. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS RAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE.		ROL: R HEATING EQUIPMENT SHALL R OCCUPANCIES. PUBLIC RES
FOR INSTALLATI	ITRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS, MANUFACTURERS REQUIREMENTS N, OPERATION, AND MAINTENANCE, CONTRACTORS INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTORS FABRICATED ITEMS TO ENSURE A PROPER "FIT" AND RING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY EQUIPMENT.	TRAPS, HEAT TR	HEATING EQUIPMENT SERVIN APS SHALL BE PROVIDED ON
	COORDINATE ALL PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR CUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.	CONDUCTIVITY	CULATING HOT WATER SYSTE NOT EXCEEDING 0.27 BTU PER
8. PROVIDE PROD	CTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.	BE INSULATED V	OF PIPING IN NONCIRCULATIN VITH 0.5 INCH OF MATERIAL H
	PMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER ADDITIONAL PIPING AND EQUIPMENT INSTALLATION REQUIREMENTS.	3.2.ALL PIPING TO B3.3.COLD WATER PI	QUIREMENTS, WHICHEVER IS E INSULATED WITH 0.21-0.28 (PING - ALL SIZES - 1-INCH INS GE PIPING ALL HORIZONTAL R
	PERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE UP- AND DOWNSTREAM AS RECOMMENDED BY THE TO ENSURE MANUFACTURER CERTIFIED ACCURACY.	3.5. HOT WATER PIP 3.5.1. PIPE SIZE:	PING (140°F) AND TEMPERED \
1. COORDINATE AI EQUIPMENT.	EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO	3.5.3. PIPE SIZE:	1-1/2 TO < 4" INSULATION: 1. 1-1/2 TO < 4" INSULATION: 1.5 4" TO < 8" INSULATION: 1.5
2. COORDINATE LO GENERAL CONS	CATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH RUCTION WORK.		CONTROLS: OT WATER SYSTEM PUMPS O (OR MANUALLY WHEN THERE
3. COMPLETE ALL	RESSURE TESTS BEFORE ANY PLUMBING EQUIPMENT, OR PIPING INSULATION IS APPLIED.		ING CONTROLS. (ECCCNYS C
4. MAKE ALL ATTA	HMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.	5. PIPE VOLUME AND M/ 5.1. PER SECTION O	AXIMUM LENGTHS F C404.5.1 OF THE 2020 ECCC
5. PROVIDE CONC	ETE PADS A MINIMUM OF 4 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4 INCHES BEYOND THE EQUIPMENT ON ALL SIDES.	WITH THE MAXIN	I CAGE, S. I OF THE 2020 LOOG /UM PIPE LENGTHS ON THE C S PER PLANS AND THAT THESI
6. INSTALL PIPING	ND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.	15 INSTALLED AS	FER PLANS AND THAT THES
7. REFER TO ARCH HAVING JURISD	TECTURAL DRAWINGS FOR EXACT LOCATION OF ALL ACCESSIBLE FIXTURES. MOUNT ALL SUCH FIXTURES IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY TION.	NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES FOOT LENGTH)
8. PROVIDE ACCES	DOORS IN WALLS, PARTITIONS, AND CEILINGS AS REQUIRED TO MAKE VALVES, WATER HAMMER ARRESTERS, ETC. READILY ACCESSIBLE.	1/4"	0.33
	OORDINATE, AND MAKE CONNECTION TO ALL SERVICES PROVIDED BY OTHERS. CONFORM TO ALL REQUIREMENTS APPLICABLE TO CONNECTIONS IMPOSED BY UTILITY AUTHORITIES HAVING JURISDICTION.	1/2" 3/4"	1.5
0. INSTALL FIXTUR	S AND EQUIPMENT WITH VALVES, UNIONS, ETC. TO ALLOW FOR EASE OF SERVICE AND/OR REMOVAL.	1"	5
I. PROVIDE A CLE	NOUT AT THE BASE OF WASTE AND VENT STACKS WITH A FINISHED WALL PLATE IN FINISHED WALLS.	1-1/4"	8
	TALL WATER PRESSURE REDUCING VALVE AND PRESSURE RELIEF VALVE IN ACCORDANCE WITH THE PLUMBING CODE OF NEW YORK STATE ON ALL INCOMING DOMESTIC IN EXCESS OF 80 P.S.I.G.	1-1/2" 2" OR LARGER	11 18
.3. SLOPE ALL VEN	PIPING TO DRAIN BACK TO THE DRAINAGE SYSTEM.		
	FECT ALL DOMESTIC POTABLE WATER PIPING AND TEST THE WATER IN ACCORDANCE WITH THE PLUMBING CODE OF NEW YORK STATE. PROVIDE CERTIFICATE OF ND LABORATORY TEST REPORT TO LOCAL AUTHORITIES HAVING JURISDICTION AND OBTAIN THEIR APPROVAL.		
5. PROVIDE WATE	HAMMER ARRESTORS AT ALL QUICK CLOSING FIXTURE VALVE LOCATIONS.	HANGER SPAC	CING
6. ALL PIPING, VAL	ES AND FITTINGS USED FOR POTABLE WATER SHALL BE NSF 61/372 COMPLIANT AND BE TESTED FOR LOW LEAD.		
7. ANY PENETRAT	NS THROUGH AIR BARRIER SHALL BE SEALED AS PER 2020 BCNYS AND COMMERCIAL PROVISIONS .	PIP	ING MATERIAL
8. ALL PIPING IN P PLASTIC PIPING	ENUM SPACES SHALL BE CAST IRON FOR SANITARY, STORM, VENT SYSTEMS, AND COPPER PIPING FOR DOMESTIC SYSTEMS, AND STEEL PIPING FOR GAS SYSTEMS. NO LLOWED.	POLYETHYLENE	
29. HOT WATER TEI	PERATURE FOR ALL PUBLIC HAND WASHING FIXTURES SHALL BE TEMPERED TO A MAXIMUM TEMPERATURE OF 110 DEGREES F.	PEX CPVC 1" OR SMAL	
0. ALL FIXTURES S	ALL MEET THE WATER CONSERVATION REQUIREMENTS LISTED IN THE TABLE 604.4 OF THE 2020 PLUMBING CODE OF NEW YORK STATE.	ABS/PVC/CPVC (>	
	AT HAS THE ABILITY TO HAVE A HOSE CONNECTED TO IT, OR DIRECT CONNECTED FIXTURES, SHALL HAVE A BACKFLOW PREVENTION DEVICE ON THE FAUCET, VACUUM 052 AND ASME A112.21.3).	CAST-IRON COPPER (<1-1/2)	
2. ALL SANITARY F	TINGS SHALL BE 'WYE' TYPE AND SHALL FOLLOW THE DIRECTION OF FLOW.	COPPER (≥ 1-1/2")	/BRASS)
	AT THERE IS A DISCREPANCY BETWEEN DESIGN PLANS, RISER DIAGRAMS, AND/OR SPECIFICATIONS CONCERNING PIPE SIZES, FIXTURES, AND/OR EQUIPMENT, THE MOST JIREMENTS SHALL BE APPLIED TO THE PROJECT.	STEEL	
		HANGER ROD	SCHEDULE
	ENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, CONDUIT, ETC.	PIPE SIZE	ROD SIZE (DIA.)
	IN HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH	≤ 2"	3/8"
	INTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN	2 1/2" THRU 3 1/2"	
6. CORE DRILL ALL	ENETRATIONS THROUGH CONCRETE FLOORS, WALLS, AND FOOTINGS.		
7. INSTALL LINK SE	L TYPE PROTECTION FOR WATER RESISTANT SEALS AT ALL SLAB AND BELOW GROUND WALL FOOTING PENETRATIONS.		Hanger Detail
	ER PIPING BELOW SLAB WITH *ARMAFLEX* TYPE INSULATION.		•

SCHEDUL	.E													
			BASIS OF	DESIGN				MIN	IMUM CC	NNECT	ION SIZ	ZES		
ON		MODEL		TRIM / F	FAUCET		COLD V	VATER	HOT W	ATER	DR/	AIN		
	MAKE	MODEL	MAKE	MODEL	OPERATION	MAX FLOW	SIZE	WFU	SIZE	WFU	SIZE	DFU	VENT	
SENSOR FAUCET	SLOAN	AD-81000 RUSH STREET	SLOAN	EBF-415	SENSOR BATTERY	0.5 GPM	1/2"	0.5	1/2"	0.5	1-1/2"	1	1-1/2"	SINK: SLOANSTONE RUSH STREET, WALL M
									~~~~~					AERATOR. COMPLIES WITH ASME A117.1 AM
														SINK: VITREOUS CHINA, ADA HEIGHT, WALI
SENSOR FAUCET	KOHLER	KINGSTON K-2005	AMERICAN STANDARD	7500.170	MANUAL	0.5 GPM	1/2"	0.5	1/2"	0.5	1-1/2"	1	1-1/2"	FAUCET: DECK MOUNTED, VANDAL RESISTA NSF 372. INCLUDE BRADLEY S19-200B FAUC
	m	······		·····	·····	mm	h	m	·····	m	m	m	un	JOUET WIREOUS CHINA, ELONGAIED, AD
IOUNTED - TOP	SLOAN	WETS-2450.1201	SLOAN	SOLIS 8111	SENSOR BATTERY	1.28 GPF	1"	10			3"	4	1-1/2"	APPROVED EQUAL. MINIMUM OF 25 PSI. FLUSH VALVE: CONCEALED SENSOR FLUSH REAR SPUD, SOLAR BATTERY CHARGER, TI
OUNTED - FLOOR														TOILET: VITREOUS CHINA, ELONGATED, AD. APPROVED EQUAL. MINIMUM OF 25 PSI.
NT - TOP SPUD	SLOAN	ST-2029	SLOAN	SOLIS 8111	SENSOR BATTERY	1.28 GPF	1"	10			3"	4	1-1/2"	FLUSH VALVE: CONCEALED SENSOR FLUSH REAR SPUD, SOLAR BATTERY CHARGER, TH
SINK - ADA	ELKAY	LK50-13037A	ADVANCE TABCO	ELKAY	LK940TS08T4S	1.5 GPM	3/4"	1	3/4"	1	1/2"	2	1-1/2"	SINK: 3-DRAIN THROUGH SINK ON LEGS WI
~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~												FAUCET: FOUR 8" O.C. BACK MOUNTED FAU
- ADA	LEONARD PETERSON	P362434-HC	ELKAY	LK406GN04T4	MANUAL	1.5 GPM	1/2"	0.5	1/2"	0.5	1-1/2"	1	1-1/2"	SINK: DROP IN SINK, STAINLESS STEEL ADA
- ADA	& COMPANY, INC	F 302434-NC	ELNAT		MANUAL	1.5 GFM	1/2	0.5	1/2	0.5	1-1/2	1	1-1/2	FAUCET: DECK MOUNTED, VANDAL RESIST/ NSF 372.
INSTRUCTOR	LEONARD PETERSON	E363034	ELKAY	LK406GN04T4	MANUAL	1.5 GPM	1/2"	0.5	1/2"	0.5	1-1/2"	1	1-1/2"	SINK: DROP IN SINK, STAINLESS STEEL ADA
	& COMPANY, INC						172	0.0	172	0.0	1 1/2		1 1/2	FAUCET: DECK MOUNTED, VANDAL RESIST/ NSF 372.
														SINK: PROVIDED BY OWNER
INSTRUCTOR	-	-	ELKAY	LK406GN04T4	MANUAL	1.5 GPM	1/2"	0.5	1/2"	0.5	1-1/2"	1	1-1/2"	FAUCET: DECK MOUNTED, VANDAL RESIST/ NSF 372.
N	ZURN	ZN-415-BE	سبس	سبس	h	سبسم	مبيم	مب	مبم	لمب	سبما	- <u></u> -	h-2	ELGOROBAIN BURA-GOATED CAST FROMB
													_	

			BASIS OF DES	IGN INFORMATION							
FLUID	FLOW (GPM)	CAPACITY (LBS)	INLET AND OUTLET SIZE	MANUFACTURER	MODEL	NOMINAL DIMENSIONS	REMARKS				
CLAY	35 GPM	-	2"	STRIEM	AA-2	24.5" DIA. X 23" H	UNIT TO BE FLOOR MOUNTED				
ACID		5	1-1/2"	ZURN	Z9A-PHIX	7" DIA. X 15" H	UNIT TO BE MOUNTED IN CASEWORK UNDER SINK				





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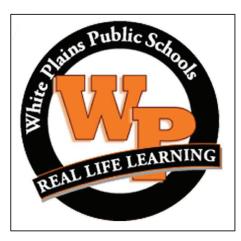
RK	DATE	DESCRIPTION
	09-11-24	SED SUBMISSION
	02-25-25	SED ADDENDUM 1
	05-28-25	FINAL BID SET
	06-13-25	FINAL BID SET - ADDENDUM #3
	1	
	1	



JONATHAN R. MURATORE, P.E. Exp. Date NY PROFESSIONAL ENGINEER Lic. No. 09644 "IN ACCORDANCE WITH ARTICLE 145, SECTION 7209 OF THE NYS EDUCATION LAW, ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL IS ILLE CJM CJM JRM JRM MAY 2025 AS SHOWN WPSD2401



Renovations at **Rochambeau Alternate** High School

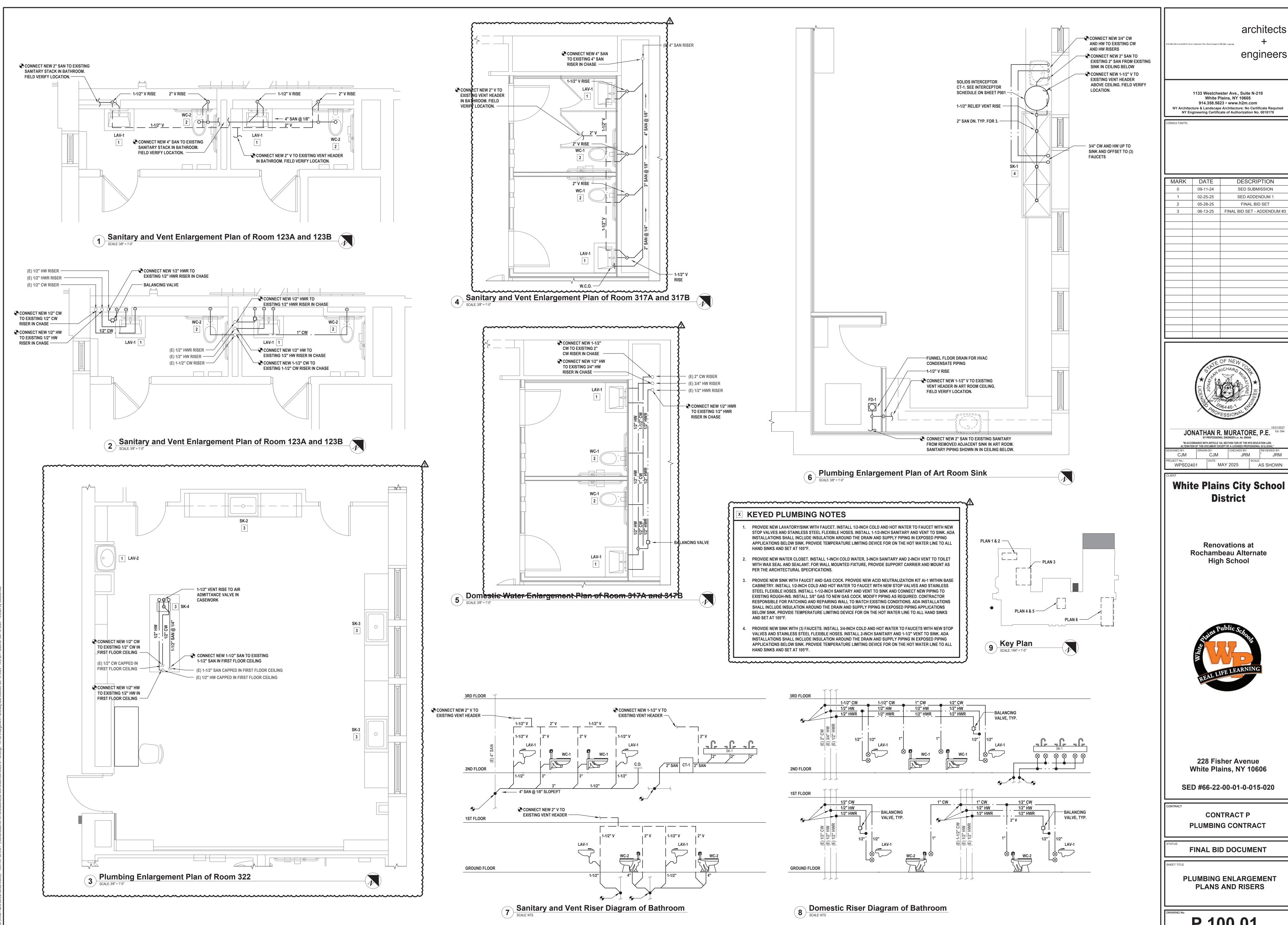


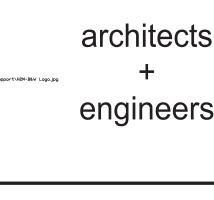
228 Fisher Avenue White Plains, NY 10606 SED #66-22-00-01-0-015-020 CONTRACT P PLUMBING CONTRACT

FINAL BID DOCUMENT

PLUMBING GENERAL NOTES. LEGEND, ABBREVIATIONS SCHEDULES, AND DETAILS

P 001.01

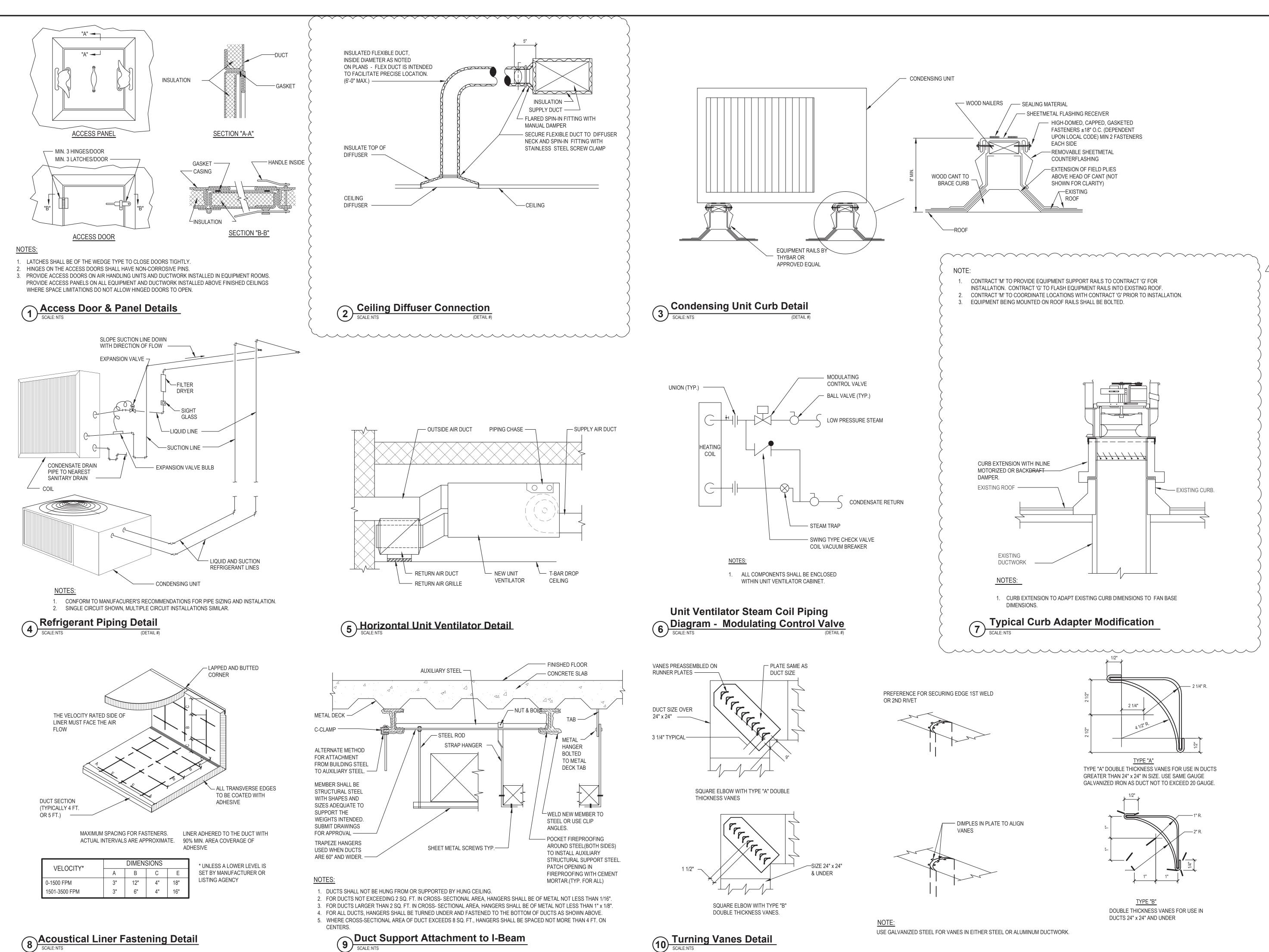


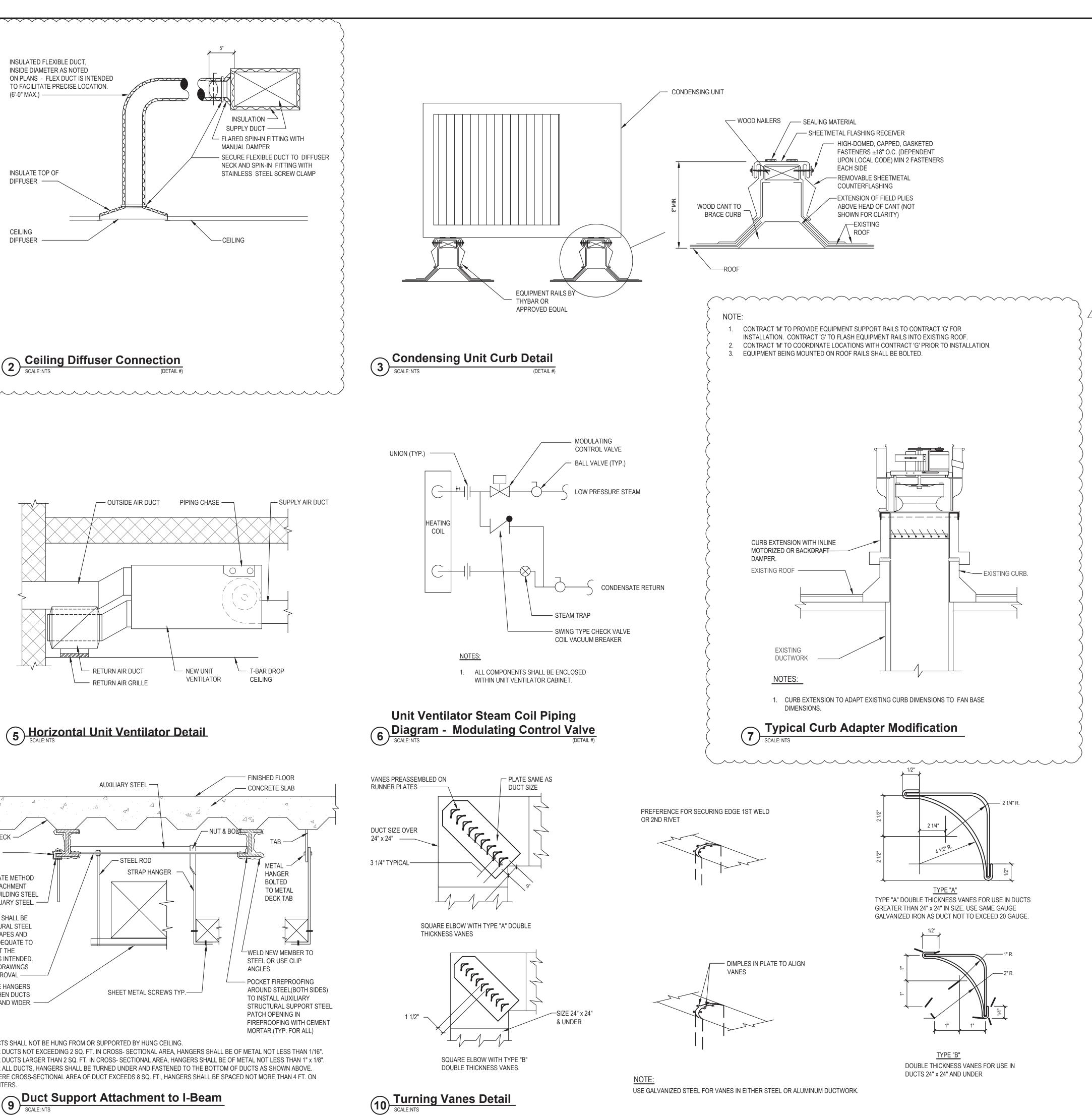


RK	DATE	DESCRIPTION
	09-11-24	SED SUBMISSION
	02-25-25	SED ADDENDUM 1
	05-28-25	FINAL BID SET
	06-13-25	FINAL BID SET - ADDENDUM #3



P 100.01







MECHANICAL DETAILS

HEET TITLE

FINAL BID DOCUMENT

CONTRACT M **HEATING VENTILATION AND AIR** CONDITIONING

SED #66-22-00-01-0-015-020

228 Fisher Avenue White Plains, NY 10606



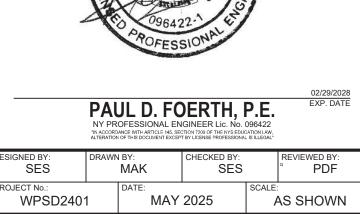






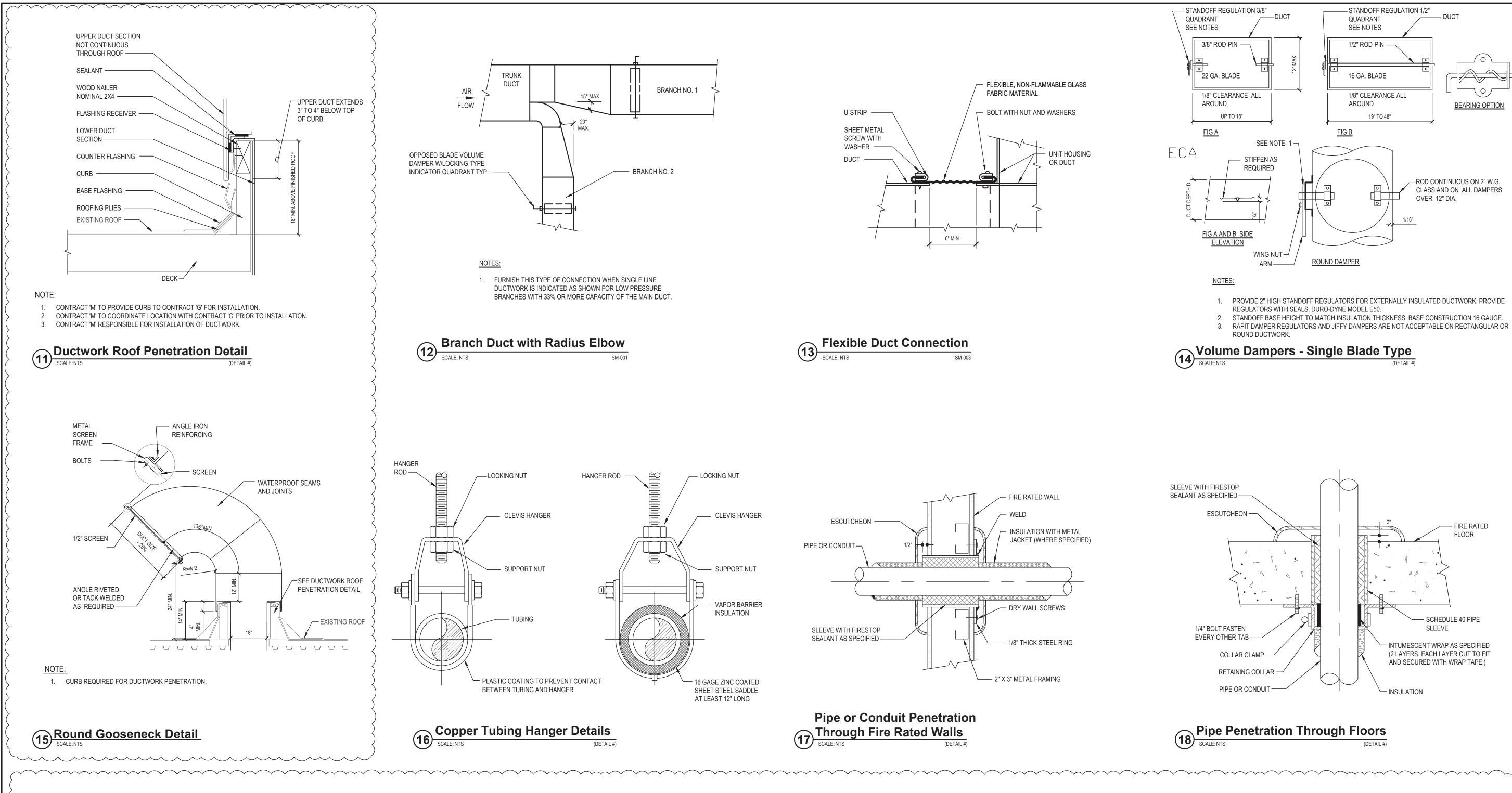
White Plains City School

District



MARK	DATE	DESCRIPTION
1	06/13/2025	BID ADDENDUM 3







DRAWING No.		
	M501.01	

MECHANICAL DETAILS

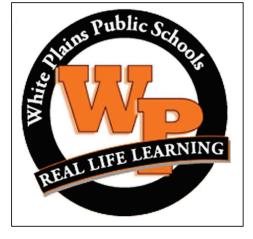
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FINAL BID DOCUMENT

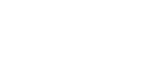
CONTRACT M HEATING VENTILATION AND AIR CONDITIONING

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228 Fisher Avenue White Plains, NY 10606



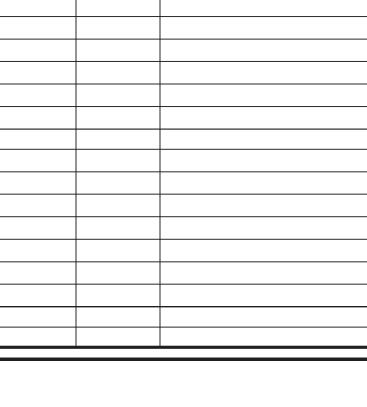






White Plains City School

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MARK	DATE	DESCRIPTION
1	06/13/2025	BID ADDENDUM 3



FINNED ⁻	TUBE RAD	IATION	/CONVEC	TORS									ENERGY	RECOVERY	VENTIL	ATOR	S													
				PERFORMANCI	E/CONSTRUCTION	REQUIREMENT	S		BASIS OF DESIG	ON INFORMATIC	N											PERF	ORMANCE/CONSTRUCTION	I REQUIREMENTS						
					AIR	DATA	STEAM DATA								SUPPL	(FAN	SUMMER	ENERGY	RECOVER	, w							EI	ECTRICA	L DATA	
EQUIPMENT NO.	AREA SERVED	QUANTITY	ACTIVE ELEMENT LENGTH (FT.)	FIN SPACING (FINS / FT.)		TOTAL CAPACITY (MBH)	PRESSURE (PSIG)	MNF	MODEL NO.	NO. OF ROWS HIGH		REMARKS	EQUIP. NO.	LOCATION	OUTSIDE AIR (CFM)	E.S.P. (IN W.G.)	TOTAL EFFECT. (%)			TOTAL EFFEC (%)			DB MANUFACTURER	MODEL NO.		NOMINAI S OPERATIN " WEIGHT (LE		HP FL (A	A MCA MOP A) (A) (A)	REMARKS
FT-1	ART ROOM 307, CLASSROOM 313	8	3	48	65	5.67	1	SLANT/FIN	355-14	2	36" x 3.25" x 3.25"	1-2	ERV-1	MAIN OFFICE 216	138	0.35	63.2	89.9/73.9	9 75.0/62.5	77.8	9.0	70.0	RENEWAIRE	EV PREMIUM LH	23.75 x 22.5 x 24	.25 52	120/ 1-PH	0.11 1.2	22 15 15	1-5
FT-2	CLASSROOMS 105 AND 203	4	5	48	65	9.45	1	SLANT/FIN	355-14	2	60" x 3.25" x 3.25"	1-2	NOTES: 1. HARD-WIRED UNIT							LOCK CONT										
FT-3	CLASSROOM 303	2	6	48	65	11.3	1	SLANT/FIN	355-14	2	72" x 3.25" x 3.25"	1-2	2. LOUVERED WALL 3. BACK DRAFT DAM	VENT						JSED DISCO										

NOTES:

	RUN ENCLOSURES CONTINUOUSLY FROM WALL TO WALL PROVIDE END CAPS, CORNER PIECES AND OTHER TRIM								AUST F	ANS											AIR OUTL	AIR OUTLETS						
CONDENSATE PUMPS								1				ANCE/CONS EQUIREMEN			В	ASIS OF DESIGN INFOR	RMATION				DESIGNATION	SYMBOL	BASIS OF DESIGN: MNF/ MODEL NO.	TYPE	NOM. FACE SIZE (IN)	AIR FLOW RANGE (CFM)	NECK SIZE DIAMETER (IN.)	
	BASIS OF DESIGN INFORMATION							EQUIPMEN NO.		N TYPE		XT S. P. F				NOMINAL DIMENSION	NOMINAL	ELECTRICAL	DATA REMARKS							0 200	6	
EQUIPMENT NO. LOCATION QTY.	DISCHARGE SIZE SHUTOFF	MO		NOMINAL OPERATING	ELEC	CTRICAL DATA	REMARKS					IN. W.C.)	AN/MOTOR RPM	MNF	MODEL NO.	L x W. x H (IN.)	OPERATING WEIGHT (LBS.) VOLTS/ MCA	MOCP						24 X 24 UNLESS	201 315	8	
		NANOFACTORER	L x W x H (IN.)		VOLTS HF	P AMPS	WATTS	EF-1	ROOF	DOWNBLAST	2620	0.35	483	GREENHECK	G-240-VG	42.8 x 42.8 x 43.5	239	208 / 1 16	25	1-6,8	A	R	NAILOR/UNI	SQUARE FACE CEILING DIFFUSER	OTHERWISE NOTED ON DRAWINGS	316 450	10 1-6	
CP-1 TO CP-32 REFER TO PLANS 32	3/8" O.D. BARBED 20 / 8.6	LITTLE GIANT VCCA	20-P 12 X 5 X 5.25	4.5	115 1/3	30 1.5	93 1-3	EF-2	ROOF	DOWNBLAST	2620	0.35	483	GREENHECK	G-240-VG	42.8 x 42.8 x 43.5	239	208 / 1 16	25	1-6,8		A (CFM)				451 650	12	
NOTES:	CP-32 REFER TO PLANS 32 3/0 0.D. BARDED 20/0.0 LITTLE GIANT VCCA-20-P 12 × 5 × 5.25 4.5 115 1/30 1.5 95							EF-5	ROOF	DOWNBLAST	2270	0.35	628	GREENHECK	G-200-VG	35.5 x 35.5 x 40.0	151	208 / 1 9	15	1-6,8						651 850	14	
1. PUMP TO BE POWERED BY SEPARATE POWER FEED)							EF-6	ROOF	DOWNBLAST	2270	0.35	628	GREENHECK	G-200-VG	35.5 x 35.5 x 40.0	151	208 / 1 9	15	1-6,8					24x24 UNLESS			
2. UNIT TO BE HARDWIRED 3. AUTOMATIC SAFETY CONDENSATE OVERFLOW SWIT	ТСН							EF-7	ROOF	DOWNBLAST	740	0.51	1140	GREENHECK	G-120-B	24.4 x 24.4 x 35.7	79	208 / 1 -	-	1-5,7-8	В		NAILOR/6145H	RETURN GRILLE	OTHERWISE NOTED ON	SEE SEE DRAWINGS DRAWINGS	NA 1-6	
				_				EF-8	ROOF	DOWNBLAST	2100	0.35	608	GREENHECK	G-200-VG	35.5 x 35.5 x 40.0	151	208 / 1 9	15	1-6,8		B (CFM)			DRAWINGS			
		ELECTRICAL	ATA	_				NOTES: 1. BACKDI	RAFT DAMPER					EMA-1 DISCONNE														
EQUIPMENT LOCATION MNF NO. KE-1 KILN ROOM AMACO	NO. LOCATION MNF MODEL NO. CONTROLLER VOLTS CURRENT REMARKS					2. GALVAN 3. ADAPTI	N IZED BIRDSCR ER CURB	REEN.	7.	GRAVITY O	PERATED DAI	MPER MODEL WI MPER MODEL BE WITH DIAL FOR	-100	TROL					С		NAILOR/6145H	EXHAUST GRILLE	24x24 UNLESS OTHERWISE NOTED ON DRAWINGS	SEE SEE DRAWINGS DRAWINGS	NA 1-6			

KILN EXH	AUST								
EQUIPMENT	LOCATION	MNF	MODEL NO.	CONTROLLER	ELECTRIC	ICAL DATA			
NO.	LOCATION	IVIINE	MODEL NO.	CONTROLLER	VOLTS	CURRENT			
KE-1	KILN ROOM	AMACO	MASTER KILN VENT	ENVIROLINK	110V	-			

NOTES: 1. PLUG-TYPE DISCONNECT

ROOM #	ТҮРЕ	AREA (FT2)	OCCUPANT DENSITY #/1000 FT2	PEOPLE OUTDOOR AIRFLOW RATE (CFM/PERSON)	AREA OUTDOOR AIRFLOW RATE (CFM/FT2)	# OCCUPANTS/ ROOM	BREATHING ZONE OUTDOOR AIRFLOW (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ZONE OUTDOOR AIRFLOW (CFM)
		Az	a	Rp	Ra	Pz	Vbz	Ez	Voz
ASSROOM 101	CLASSROOMS (AGE 9 PLUS)	873	35	10	0.12	31	415	0.8	519
ASSROOM 102	CLASSROOMS (AGE 9 PLUS)	885	35	10	0.12	31	417	0.8	522
LASSROOM 103	CLASSROOMS (AGE 9 PLUS)	684	35	10	0.12	24	323	0.8	404
LASSROOM 104	CLASSROOMS (AGE 9 PLUS)	664	35	10	0.12	24	320	0.8	400
LASSROOM 105	CLASSROOMS (AGE 9 PLUS)	707	35	10	0.12	25	335	0.8	419
LASSROOM 106	CLASSROOMS (AGE 9 PLUS)	664	35	10	0.12	24	320	0.8	400
LASSROOM 114	CLASSROOMS (AGE 9 PLUS)	618	35	10	0.12	22	295	0.8	369
FFICE 114B	OFFICE SPACES	130	5	5	0.06	1	13	0.8	17
ESTIBULE 111A	CORRIDORS	161	0	0	0.06	0	10	0.8	13
TORAGE 111B	STORAGE ROOMS	174	0	0	0.12	0	21	0.8	27
ITCHEN 116	KITCHENS (COOKING)	548	20	7.5	0.12	11	149	0.8	187
FFICE 116A	OFFICE SPACES	85	5	5	0.06	1	11	0.8	14
AFETERIA 117	CAFETERIA DINING	2787	100	7.5	0.00	279	2595	0.8	3244
LASSROOM 121	CLASSROOMS (AGE 9 PLUS)	1010	35	10	0.10	36	482	0.8	603
LASSROOM 121	CLASSROOMS (AGE 9 PLUS)	670					321		
	CLASSROOMS (AGE 9 PLUS)		35	10	0.12	24		0.8	402
HERAPY ROOM 123		443	35	10	0.12	16	214	0.8	268
LASSROOM 124	CLASSROOMS (AGE 9 PLUS)	670	35	10	0.12	24	321	0.8	402
LASSROOM 201	CLASSROOMS (AGE 9 PLUS)	869	35	10	0.12	31	415	0.8	519
LASSROOM 202	CLASSROOMS (AGE 9 PLUS)	862	35	10	0.12	31	414	0.8	518
OMP. ROOM 203	COMPUTER ROOM	688	25	10	0.12	18	263	0.8	329
LASSROOM 204	CLASSROOMS (AGE 9 PLUS)	668	35	10	0.12	24	321	0.8	402
LASSROOM 206	CLASSROOMS (AGE 9 PLUS)	664	35	10	0.12	24	320	0.8	400
AIN OFFICE 216	OFFICE SPACES	553	5	5	0.06	3	49	0.8	62
RINCIPAL OFFICE 216A	OFFICE SPACES	304	5	5	0.06	2	29	0.8	37
FFICE 216C	OFFICE SPACES	224	5	5	0.06	2	24	0.8	30
LASSROOM 223	CLASSROOMS (AGE 9 PLUS)	727	35	10	0.12	26	348	0.8	435
LASSROOM 224	CLASSROOMS (AGE 9 PLUS)	664	35	10	0.12	24	320	0.8	400
LASSROOM 225	CLASSROOMS (AGE 9 PLUS)	727	35	10	0.12	26	348	0.8	435
LASSROOM 226	CLASSROOMS (AGE 9 PLUS)	669	35	10	0.12	24	321	0.8	402
LASSROOM 301	CLASSROOMS (AGE 9 PLUS)	596	35	10	0.12	21	282	0.8	353
LASSROOM 303	CLASSROOMS (AGE 9 PLUS)	879	35	10	0.12	31	416	0.8	520
LASSROOM 304	CLASSROOMS (AGE 9 PLUS)	670	35	10	0.12	24	321	0.8	402
FFICE 306A	OFFICE SPACES	166	5	5	0.06	1	15	0.8	19
ASSROOM 306B	CLASSROOMS (AGE 9 PLUS)	445	35	10	0.12	16	214	0.8	268
RT ROOM 307	ART CLASSROOM	1054	20	10	0.18	22	410	0.8	513
ASSROOM 313	CLASSROOMS (AGE 9 PLUS)	777	35	10	0.12	28	374	0.8	468
ASSROOM 322	CLASSROOMS (AGE 9 PLUS)	669	35	10	0.12	24	321	0.8	402
LASSROOM 323	CLASSROOMS (AGE 9 PLUS)	724	35	10	0.12	24	347	0.8	434
FFICE 324	OFFICE SPACES	153	5	5	0.06	1	15	0.8	19
LASSROOM 325	CLASSROOMS (AGE 9 PLUS)	732	35	10	0.08	26	348	0.8	435
	CLASSROOMS (AGE 9 PLUS)	530	35	10	0.12	19	254	0.8	318

(a) AREA PROVIDED WITH NATURAL VENTILATION IN ACCORDANCE WITH 2020 NEW YORK STATE MECHANICAL CODE - SECTION 402

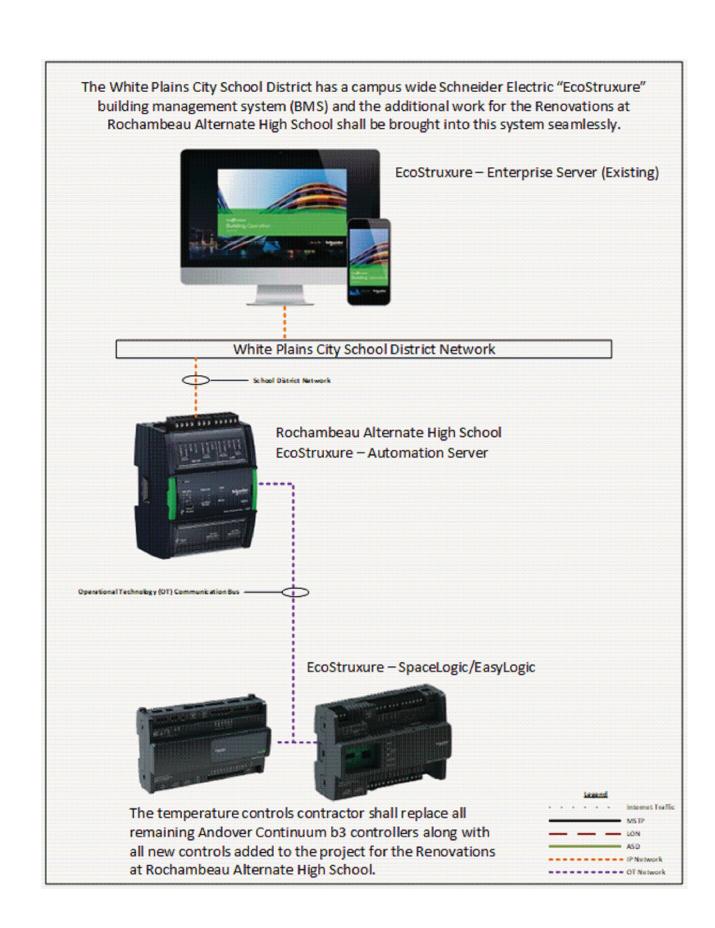
4.	

LOUVERS										
			PERFORMANCE/CONSTRUCTION REQUIREMENTS				BASIS OF DESIGN INFORMATION			
EQUIPMENT LOCA	LOCATION	SYSTEM SERVED	AIR FLOW RATE (CFM)	MAX. PD (IN. W.C.)	FREE AREA (SQ. FT.)	OVERALL NOMINAL SIZE W X H	SERVICE	MANUFACTURER	MODEL NO.	REMARKS
LV-1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LV-2	REFER TO PLANS	UNIT VENTILATOR	750	0.05	1.33	34" x 15"	OUTDOOR AIR INTAKE	GREENHECK	ESD-435	(1-4)
LV-3	REFER TO PLANS	UNIT VENTILATOR	1500	0.14	1.63	41" x 15"	OUTDOOR AIR INTAKE	GREENHECK	ESD-435	> 1-4
LV-4	REFER TO PLANS	UNIT VENTILATOR	1500	0.11	1.85	46" x 15"	OUTDOOR AIR INTAKE	GREENHECK	ESD-435	1-4
LV-5	REFER TO PLANS	UNIT VENTILATOR	1500	0.1	1.95	50" x 15"	OUTDOOR AIR INTAKE	GREENHECK	ESD-435	(1-4)
LV-6	REFER TO PLANS	UNIT VENTILATOR	1250	0.06	2.04	52" x 15"	OUTDOOR AIR INTAKE	GREENHECK	ESD-435	> 1-4
LV-7	REFER TO PLANS	UNIT VENTILATOR	750	0.02	2.21	56" x 15"	OUTDOOR AIR INTAKE	GREENHECK	ESD-435	(1-4)

NOTES: 1. COLOR OF LOUVER TO BE COORDINATED WITH SCHOOL PRIOR TO ORDERING 2. GLAZING ADAPTER

/3. BRAHMABLE 4. SCHEDULE FOR REFERENCE ONLY. LOUVER PROVIDED AND INSTALLED BY CONTRACT 'W'. CONTRACT 'M' TO COORDINATE WITH CONTRACT 'W'.

BUILDING AUTOMATION (BAS) / BUILDING MANAGEMENT SYSTEM (BMS) SCOPE OF WORK



NOTES:

(CFM)

1. PROVIDE ALUMINUM CONSTRUCTION FOR ALL AIR TERMINALS IN SHOWER ROOMS, TOILETS, JANITORS' CLOSETS AND OTHER HUMID AREAS. 2. FOR CONSTRUCTION DETAILS AND ACCESSORIES SEE THE SPECIFICATIONS.

3. FOR VARIABLE VOLUME SYSTEMS SELECT DIFFUSER NECK SIZES SUCH THAT BOTH MAXIMUM AND MINIMUM AIR FLOWS FALL WITHIN MANUFACTURER'S CATALOGUED MAXIMUM AND MINIMUM AIR FLOW RATINGS. MAXIMUM AIR FLOW PRODUCING AN NC RATING OF 25 TO 30 AND MINIMUM FLOW PRODUCING A LISTED THROW. 4. PROVIDE OPPOSED BLADE DAMPER FOR ALL REGISTERS.

5. PROVIDE OPPOSED BLADE DAMPER AND EQUALIZING GRID FOR ALL DIFFUSERS. 6. PROVIDE MOUNTING FRAMES TO MATCH CEILING IN WHICH UNIT IS INSTALLED, COUNTERSINK ALL MOUNTING SCREWS.

SCOPE OVERVIEW

- A. PROVIDE A NEW SCHNEIDER ELECTRIC "ECOSTRUXURE" BUILDING AUTOMATION SYSTEM (BAS) FOR CONTROL AND MONITORING OF ALL HVAC EQUIPMENT INSTALLED UNDER THIS PROJECT. THE NEW BAS SHALL INCLUDE THE FOLLOWING: 1. ADD AS-P IP CONTROLLER TO THE BUILDING.
- 2. BRING AS-P INTO WHITE PLAINS SITE WIDE ENTERPRISE SERVER.
- 3. PROVIDE WORKSTATION ON DISTRICT BMS VLAN.
- 4. MP-C / RP-C FIELD CONTROLLERS FOR EQUIPMENT.
- B. CONVERT EXISTING ANDOVER "CONTINUUM" BAS TO SCHNEIDER ELECTRIC "ECOSTRUXURE". REPLACE ALL CONTROLLERS AND MIGRATE EXISTING B3 FIELD CONTROLLERS: 1. REPLACE EACH CONTINUUM IP CONTROLLER WITH AN ECOSTRUXURE AS-P IP CONTROLLER PER EXISTING.
 - 2. REPLACE EACH CONTINUUM B3 FIELD CONTROLLER WITH NEW MP-C / RP-C CONTROLLER.
 - 3. PROVIDE NEW CONTROLLER CODE AND GRAPHICS.
 - 4. MAINTAIN AND MIGRATE OVER ALL SEQUENCES OF OPERATIONS, CONTROL POINTS, AND MONITORING POINTS FOR ALL EXISTING-TO-REMAIN EQUIPMENT.
- C. UPON COMPLETION OF BAS INSTALLATION, DISTRICT PERSONNEL SHALL BE ABLE TO CONTROL AND MONITOR ALL HVAC EQUIPMENT IN THE BUILDING VIA A SINGLE GRAPHICAL INTERFACE AND SHALL BE ABLE TO ACCESS THE GRAPHICAL
- INTERFACE REMOTELY VIA WEB BROWSER OR CELLPHONE APPLICATION.
- PROVIDE SEAMLESS INTEGRATION WITH EXISTING CONTROL NETWORK AND USER INTERFACES. NETWORK GATEWAYS AND D. PROTOCOL INTERFACE EQUIPMENT ARE NOT ACCEPTABLE.
- THE AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR FOR THE DISTRICT IS STARK TECH ATTN: JASON KROSS -KROSSJ@STARKTECH.COM - (518) 312-6086 MOBILE.
- F. PROVIDE INSTRUMENTATION, VALVES, DAMPERS, ACTUATORS AND WIRING AS REQUIRED TO PROVIDE SPECIFIED OPERATING SEQUENCES.
- G. PROVIDE NEW GRAPHICAL USER INTERFACES TO INCLUDE ALL EQUIPMENT/SYSTEMS INCLUDED IN THIS PROJECT.

M600.01

MECHANICAL SCHEDULES (1 OF 2)

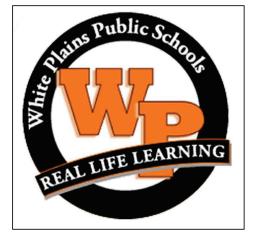
HEET TITLE

FINAL BID DOCUMENT

CONTRACT M HEATING VENTILATION AND AIR CONDITIONING

SED #66-22-00-01-0-015-020

228 Fisher Avenue White Plains, NY 10606



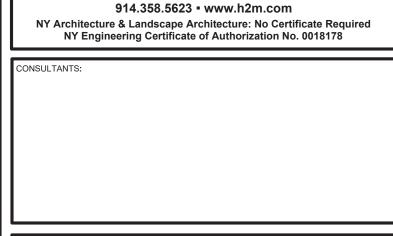


District

	NY PR	OFESSIONAL EN	GINEER LIC. NO. (TON 7209 OF THE NYS EDUC TBY LICENSE PROFESSIONAL	096422 CATION LAW,	02/29/2028 EXP. DATE	
DESIGNED BY: SES	DRAWN	i by: MAK	CHECKED BY: SES		° PDF	
PROJECT No.: WPSD2401	1	DATE: MAY	2025	SCALE:	AS SHOWN	
White	e P	lains	city	s s	chool	



MARK	DATE	DESCRIPTION
1	06/13/2025	BID ADDENDUM 3



1133 Westchester Ave., Suite N-210 White Plains, NY 10605



ELECTRICAL GENERAL NOTES:

- DRAWINGS ARE DIAGRAMMATIC AND DEFINE THE INTENT OF THE WORK. LOCATIONS OF EQUIPMENT, FIXTURES, DEVICES, PANELBOARDS, DUCTS, PIPING, DIFFUSERS, PARTITIONS, OPENINGS, ETC. ARE APPROXIMATE AND ARE SUBJECT TO MODIFICATIONS CAUSED BY STRUCTURAL CONDITIONS AND EQUIPMENT PROVIDED BY OTHER CONTRACTORS, SUBCONTRACTORS OR THE OWNER. COORDINATE ALL WORK WITH THE WORK OF OTHER TRADES. DETERMINE ROUGHING LOCATIONS FROM APPROVED SHOP DRAWINGS. MINOR MODIFICATIONS OF LOCATIONS REQUIRED TO EFFECT SUCH COORDINATION SHALL BE MADE AT NO COST TO THE OWNER.
- SPECIFICATIONS MAY REQUIRE WORK, EQUIPMENT, SYSTEMS, METHODS, ETC. THAT IS NOT INDICATED ON THE DRAWINGS.
- DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE COMPLEMENTARY TO EACH OTHER. WHERE DISCREPANCIES OR CONFLICTS OCCUR, THE CONTRACTOR SHALL INCLUDE THE MORE COSTLY METHOD IN THEIR PROPOSAL UNLESS CLARIFIED BY BULLETIN OR ADDENDUM ACKNOWLEDGED PRIOR TO RECEIPT OF BIDS.
- DRAWINGS SHALL NOT BE SCALED. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND REQUIREMENTS OF THE WORK. ALTHOUGH SIZE AND LOCATION OF EQUIPMENT IS DRAWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIFY INFORMATION AT THE PROJECT SITE.
- EXISTING PROJECT CONDITIONS INDICATED ARE BASED ON FIELD OBSERVATION, EXISTING DESIGN / CONSTRUCTION DOCUMENTS AND EXISTING RECORD DOCUMENTS AND ARE INTENDED TO INDICATE THE SCOPE OF THE WORK AFFECTED BY THIS PROJECT.
- 6. THE TERM "OTHERS" SHALL BE UNDERSTOOD TO MEAN CONTRACTORS, SUBCONTRACTORS OR TRADESMEN ON THE PROJECT PERFORMING WORK ON THIS PROJECT UNDER SECTIONS OR DIVISIONS OTHER THAN DIVISION 26 -ELECTRICAL WORK AND 28 FIRE ALARM WORK.
- VERIFY THAT FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS ARE AS INDICATED.
- PRIOR TO BIDDING VISIT THE PROJECT SITE TO DETERMINE THE CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. SCHEDULE SITE VISIT WITH OWNER. PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR THE INSTALLATION, RELOCATION AND
- CONNECTION OF THE ELECTRICAL WORK. 10. ALL MATERIAL SHALL BE UNDERWRITERS' LABORATORIES LISTED FOR ITS APPLICATION WHERE SUCH LISTING IS
- APPLICABLE.
- 11. ALL EQUIPMENT SHALL BE AS INDICATED OR AS APPROVED BY THE ENGINEER.
- 12. SUBMIT SHOP DRAWINGS, PRODUCT DATA SHEETS AND WIRING DIAGRAMS FOR ALL ELECTRICAL AND FIRE ALARM CONSTRUCTION MATERIALS, DEVICES, EQUIPMENT, APPLIANCES AND SYSTEMS. SUBMIT SUBMITTALS IN QUANTITY TO ALLOW DISTRIBUTION TO ARCHITECT (1), OWNER (2), ENGINEER (1), PRIME CONTRACTORS (1 EACH), AND CONTRACTOR'S OWN USE AS REQUIRED.
- UNLESS SPECIFICALLY INDICATED OR REQUESTED OTHERWISE, BIND ALL RELATED PRODUCT DATA TOGETHER PROPERLY INDEXED AND IDENTIFIED AND WITH ALL PERTINENT CATALOG NUMBERS, OPTIONS, ETC. HIGHLIGHTED OR TARGETED.
- OBTAIN SHOP DRAWINGS AND WIRING DIAGRAMS FROM OWNER AND OTHER CONTRACTORS FOR THE PROPER INSTALLATION OF RELATED ELECTRICAL WORK AND, UNLESS OTHERWISE NOTED, WIRE ALL CONTROL DEVICES, VALVES, THERMOSTATS, ETC. REQUIRED FOR THE PROPER OPERATION OF THEIR SYSTEMS.
- 15. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION IN EFFECT OF THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL ELECTRICAL SAFETY CODE (NESC), AMERICAN ELECTRICIANS' HANDBOOK. 2020 FIRE CODE OF NEW YORK STATE, 2020 BUILDING CODE OF NEW YORK STATE, 2020 EXISTING BUILDING CODE OF NYS, ACCESSIBLE & USABLE BUILDINGS & FACILITIES (ICC/ANSI A117.1) AND NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA) STANDARD OF INSTALLATION.
- 16. OBTAIN ALL PERMITS REQUIRED, HAVE THE WORK INSPECTED FOR CODE COMPLIANCE AND PAY ALL FEES FOR INSPECTION AND CERTIFICATION.
- 17. MAKE THE NECESSARY ARRANGEMENTS, AND PAY ALL COSTS, FOR TEMPORARY AND/OR PERMANENT ELECTRIC SERVICE FOR THE PROJECT.
- 18. PROVIDE ADEQUATE TEMPORARY ELECTRICAL LIGHT AND POWER FOR THE PROJECT WORK OF ALL TRADES. 19. EXACT LOCATION OF EQUIPMENT SHALL BE COORDINATED IN THE FIELD PRIOR TO INSTALLATION, CONTRACTOR
- TO CONFIRM LOCATION PROPOSED WITH ARCHITECT/ENGINEER.
- 20. REFER TO APPROVED REFLECTED CEILING PLANS FOR EXACT LIGHTING LAYOUTS.
- 21. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER TRADES FOR EQUIPMENT LOCATIONS AND CONTROLS. 22. GROUNDING AND BONDING SHALL MEET NEC AND EQUIPMENT / SYSTEM MANUFACTURER'S REQUIREMENTS.
- 23. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF DEBRIS GENERATED BY THEIR WORK AND WORKERS AT THE END OF EACH WORKING DAY AND FOR GENERAL GOOD HOUSEKEEPING BY THEIR WORKERS. CONTRACTOR SHALL PROVIDE REQUIRED REFUSE CONTAINERS.
- 24. DISCONNECT AND REMOVE FROM THE PREMISES, OR STORE ON THE PREMISES IF REQUESTED BY THE OWNER, ALL EQUIPMENT FIXTURES, DEVICES, RACEWAY, WIRING, CABLE, SUPPORTING DEVICES, ETC. REMOVED OR ABANDONED AS A RESULT OF THIS WORK. MAKE SAFE ALL WIRING AND CABLE WHICH MUST REMAIN IN SERVICE.
- 25. REMOVE AND REINSTALL CEILING SYSTEM AS REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK AND REPLACE IN KIND ANY COMPONENTS DAMAGED BY PERSONNEL OR EQUIPMENT DURING PERFORMANCE OF THE WORK. COORDINATE WITH ARCHITECT.
- 26. PERFORM ALL CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF THE WORK. CUT NO STRUCTURAL MEMBER WITHOUT WRITTEN PERMISSION FROM THE ENGINEER, PATCH, PRIME AND PAINT AREA TO MATCH ADJACENT SURFACES WITH TWO COATS OF PAINT TO MATCH EXISTING SURFACES AS CLOSELY AS POSSIBLE. SEAL OPENINGS VERMIN AND WATER PROOF AND MAINTAIN FIRE RATING. USE SPECIFIED TECHNOLOGIES, INC. "SPECSEAL" SERIES LCI FOR SLEEVED PENETRATIONS (U. L. SYSTEM #C-AJ-1028; F = 3, T = 0) AND "SPECSEAL" PENSIL 300 SEALANT FOR CUT OR CORED PENETRATIONS (U. L. SYSTEM #C-AJ-1030; F = 3, T = 0). SLEEVES AND ACCESSORIES SHALL BE PER ASTM E 814.
- 27. ALL PENETRATIONS IN FOUNDATION WALLS AND FLOORS INCLUDING SLAB PENETRATIONS SHALL BE SUBSTANTIALLY SEALED BY UTILIZING A NON-CRACKING POLYURETHANE OR EQUIVALENT TO CLOSE OFF THE SOIL GAS ENTRY ROUTES AS REQUIRED BY THE NEW YORK STATE BUILDING CODE. ALL CONDUITS IN THE SPACE BELOW THE FOUNDATION FLOOR WHICH PENETRATE THESE BARRIERS SHALL HAVE THREADED OR SOLVENTED FITTINGS.
- 28. ALL NEW RACEWAY, WIRING AND CABLE IN NEW AND EXISTING FINISHED SPACES SHALL BE RUN CONCEALED IN NEW AND EXISTING CONSTRUCTION UNLESS OTHERWISE INDICATED; CUT AND PATCH AS REQUIRED. PROVIDE PULLBOXES, SIZE AND TYPE AS REQUIRED.
- 29. EXPOSED RACEWAY, IF PERMITTED, SHALL BE RUN TRUE, PLUMB AND PARALLEL OR PERPENDICULAR TO BUILDING LINES. EMT WITH RAINTIGHT STEEL FITTINGS, 3/4 INCH MINIMUM, SHALL BE USED OUTDOORS; ELECTRICAL METALLIC TUBING, 3/4 INCH MINIMUM, SHALL BE USED IN INDOOR UNFINISHED SPACES; SURFACE METAL RACEWAY (WIREMOLD) SHALL BE USED IN INDOOR FINISHED SPACES.
- 30. ALL WIRING SHALL BE COPPER CONDUCTOR WITH 600 VOLTS INSULATION IN METAL RACEWAY WITH APPROVED FITTINGS UNLESS OTHERWISE INDICATED.
- 31. FEEDERS AND BRANCH CIRCUITS UNDERGROUND IN RACEWAY: TYPE THHN-THWN 90 DEGREE C 32. INTERIOR FEEDERS AND BRANCH CIRCUITS IN RACEWAY: TYPE THHN 90 DEGREE C.

AND ELSEWHERE AS PERMITTED BY THE NEC AND THE ENGINEER.

- 33. UNDERGROUND DIRECT BURIAL BRANCH CIRCUITS BEYOND BUILDING: TYPE UF, 75 DEGREE C 34. BRANCH CIRCUIT HOMERUNS TO FIRST OUTLET: TYPE THHN IN RACEWAY. AFTER THE FIRST OUTLET BOX,
- APPROVED CABLE MAY BE USED. FEEDERS SHALL BE MINIMUM #8 AWG; BRANCH CIRCUIT WIRING MINIMUM #12 AWG; CONTROL WIRING MINIMUM #14 AWG; UNLESS OTHERWISE INDICATED. FEEDER AND BRANCH CIRCUIT WIRING LARGER THAN #10 AWG SHALL BE

STRANDED CONDUCTOR; #10 AWG AND SMALLER, STRANDED CONDUCTOR OR SOLID CONDUCTOR; CONTROL

- WIRING, STRANDED CONDUCTOR. 36. METAL CLAD CABLE TYPE MC WITH 600 VOLT THHN INSULATION AND INSULATED GROUND CONDUCTOR FOR BRANCH CIRCUITS RUN IN HOLLOW SPACES, FISHED ABOVE EXISTING HUNG CEILINGS, FIXTURE CONNECTIONS
- FIRE ALARM WIRING SHALL BE APPROVED FOR ITS APPLICATION; #12 AWG IN RACEWAY OR #12 AWG METAL CLAD CABLE FOR 120 VOLT CIRCUITS; #16 AWG FPLR OR FPLP FOR LOW VOLTAGE CIRCUITS IN NON AIR-HANDLING SPACES; AND #14 AWG FPLP FOR LOW VOLTAGE CIRCUITS IN PLENUM SPACES USED AS AIR-HANDLING APPLICATIONS.
- 38. DO NOT INSTALL CONDUCTORS, WIRES OR CABLES OF ANY OTHER SYSTEM IN THE SAME RACEWAY OR CABLE WITH FIRE ALARM POWER SUPPLY CIRCUITS, NON-POWER LIMITED FIRE ALARM CIRCUITS OR POWER LIMITED FIRE ALARM CIRCUITS.
- 39. MAKE FLEXIBLE CONDUIT CONNECTIONS TO MOTORS AND OTHER ROTATING / VIBRATING EQUIPMENT FOR INDOOR PUMP MOTORS AND ALL OUTDOOR LOCATIONS FLEXIBLE LIQUID-TIGHT CONDUIT CONNECTIONS SHALL BE MADE.
- 40. TAPS AND SPLICES FOR BRANCH CIRCUITS AND FEEDERS LARGER THAN #10 AWG SHALL BE MADE WITH BURNDY "INSUL-TAP" TYPE BIPC, OR APPROVED EQUAL, INSULATION PIERCING CONNECTORS OR BURNDY "HYLUG", OR APPROVED EQUAL. COMPRESSION SPLICES.
- 41. TAPS AND SPLICES FOR BRANCH CIRCUITS AND FEEDERS #10 AWG AND SMALLER SHALL BE MADE WITH IDEAL MODELS 410, 411 AND 412 CRIMP CONNECTORS, OR APPROVED EQUAL, WITH MODELS 415 OR 417 INSULATED CAPS. 42. BRANCH CIRCUIT AND FEEDER TAPS SHALL BE FULL CIRCUIT SIZE UP TO THEIR OVERCURRENT PROTECTION
- DEVICE. 43. CONNECTIONS TO FIXTURE AND MOTOR LEADS #10 AWG AND SMALLER SHALL BE MADE WITH 3M "SCOTCHLOK" PRE-INSULATED SPRING PRESSURE CONNECTORS TYPES Y, R OR G OR APPROVED EQUAL.
- 44. STRANDED WIRING CONDUCTORS SHALL BE MADE UP TO SCREW TERMINALS WITH 3M, T&B OR PANDUIT LOCKING FORK CRIMP TERMINALS WITH NYLON INSULATED GRIPS.
- 45. WIRE EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES (UNIT EQUIPMENT) TO LOCAL AREA LIGHTING CIRCUIT

SERVING THE RESPECTIVE AREA AHEAD OF SWITCH / DIMMER CONTROL.

- 46. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION AND INSTALLATION DETAILS AND VERIFY ALL OWNER.
- REFERENCE AND CONFIRM EXISTING CONDITIONS. THE NUMBER OF CONDUCTORS ARE NOT ALWAYS INDICATED ON THE DRAWINGS.
- HORSEPOWER MOTORS, PROVIDE MOTOR RATED TOGGLE TYPE DISCONNECT SWITCHES.
- 49. INSTALL MOTOR STARTERS, CONTROLLERS OR COMBINATION STARTERS FURNISHED FOR EACH MOTOR OR AND ACCORDING TO THE CODE.
- ON DEDICATED ROOF SUPPORTS EIGHT INCHES HIGH MINIMUM.
- 52. PROVIDE SEISMIC RESTRAINTS AND ANCHORS FOR ENGINE-DRIVEN GENERATORS, LIGHTING FIXTURES, MOTOR COMPLY WITH THE 2020 BUILDING CODE OF NEW YORK STATE CHAPTERS 16 AND 17.
- CIRCUIT INTERRUPTING TYPE WHERE AVAILABLE OR SHALL BE PROTECTED BY GROUND FAULT CIRCUIT INTERRUPTING CIRCUIT BREAKERS.
- 54. DO NOT INSTALL EXPOSED WIRING, OR CABLE NOT U. L. LISTED FOR THE PURPOSE; WOOD SUPPORTS OR ANCHORAGES: NONMETALLIC CONDUIT. BOXES OR FITTINGS: OR VINYL. PLASTIC. NYLON. OR OTHER HUNG CEILINGS USED AS A PLENUM FOR THE RETURN OF ENVIRONMENTAL AIR.
- EQUIPMENT AND SYSTEMS.
- 56. PERFORM MANUFACTURER'S RECOMMENDED TESTS AND SUBMIT RESULTS TO THE ARCHITECT/ENGINEER..
- 57. VERIFY PROPER ROTATION OF ALL ROTATING ELECTRICAL MACHINERY.
- GROUNDING SYSTEM, GROUND FAULT PROTECTION SYSTEM, SURGE ARRESTORS AND TVSS DEVICES, EQUIPMENT AND SYSTEMS NETA ATS-1999. PERFORM EACH VISUAL AND MECHANICAL INSPECTION AND ELECTRICAL TEST LISTED.
- ALL ELECTRICAL DEVICES, EQUIPMENT, APPLIANCES AND SYSTEMS.

- 62. GUARANTEE ALL WORK IN WRITING TO THE OWNER AGAINST ANY AND ALL DEFECTS IN MATERIAL AND

AT NO COST TO THE OWNER.

- BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER OR PROJECT.
- 64. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S REQUIRED MAINTENANCE CLEARANCES,

MANUFACTURER'S REQUESTS PRIOR TO ANY SUBMISSION FOR CONSIDERATION BY THE ARCHITECT, ENGINEER OR

47. WIRING RUNS INDICATED ON THE DRAWINGS EXPRESS THE INTENT OF CIRCUIT ASSIGNMENT AND SWITCH CONTROL. ACTUAL WIRING METHODS USED SHALL BE SUITED FOR THE CONSTRUCTION OF THE BUILDING. REFER TO DRAWINGS OF OTHER TRADES AND EXISTING CONDITIONS. REFER TO ARCHITECTURAL DRAWINGS FOR

48. PROVIDE DISCONNECT SWITCHES OF REQUIRED TYPE AND RATINGS FOR ALL APPLIANCES, EQUIPMENT, MOTORS AND CONTROLLERS WHERE NOT FURNISHED WITH EQUIPMENT. WHERE DISCONNECT SWITCHES ARE FURNISHED AND INSTALLED WITH EQUIPMENT, INSTALL AND PROVIDE CONDUIT AND WIRING FOR SWITCHES. FOR FRACTIONAL

EQUIPMENT BY OTHERS. LOCATE AS DIRECTED IN THE FIELD BY THE CONTRACTOR SUPPLYING THE EQUIPMENT

50. PROVIDE UN-SWITCHED 125 VOLT 20 AMP RECEPTACLE OUTLETS LOCATED ON THE SAME LEVEL AND WITHIN 25 FEET OF ALL HEATING, AIR-CONDITIONING AND REFRIGERATION EQUIPMENT UNLESS OTHERWISE NOTED.

51. ROUTE RACEWAYS THROUGH ROOF USING DEDICATED ROOF JACKS OR PITCH POCKETS. RUN RACEWAY ON ROOF

CONTROL CENTERS, FLOOR MOUNTED SWITCHBOARDS, SWITCHGEAR, TRANSFORMERS, WIREWAYS AND CONDUITS LARGER THAN 2-1/2" INCHES TRADE DIAMETER. PROVIDE SWAY BRACES FOR CONDUIT AND EQUIPMENT SUSPENDED FROM THE OVERHEAD. PROVIDE ANCHOR BOLTS FOR FLOOR AND WALL MOUNTED EQUIPMENT.

53. ALL 125 VOLT, SINGLE PHASE, 15- AND 20-AMPERE SINGLE AND DUPLEX RECEPTACLES WHICH DO NOT SERVE A DEDICATED APPLIANCE AND ARE WITHIN A 6 FOOT RADIUS OF A SINK, ARE INSTALLED IN WET LOCATIONS, ARE INSTALLED IN BATHROOMS, ON ROOFS, OR OUTDOORS WITH DIRECT GRADE ACCESS, SHALL BE GROUND FAULT

COMBUSTIBLE OR SMOKE PRODUCING IDENTIFICATION OR CONSTRUCTION MATERIALS IN THE SPACE ABOVE

55. DEMONSTRATE PRODUCT CAPABILITY AND COMPLIANCE WITH REQUIREMENTS OF ALL ELECTRICAL DEVICES,

58. TEST SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, CABLES, BUS DUCTS, SWITCHES, CIRCUIT BREAKERS, GENERATORS, AND TRANSFER SWITCHES IN ACCORDANCE WITH APPLICABLE SECTIONS OF INTERNATIONAL ELECTRICAL TESTING ASSOCIATION ACCEPTANCE TESTING SPECIFICATIONS FOR ELECTRIC POWER DISTRIBUTION

59. PROVIDE FIVE SETS OF OPERATION AND MAINTENANCE MANUALS, BOUND AND INDEXED, WITH INSTRUCTIONS FOR

60. PROVIDE ONE SET OF REPRODUCIBLE CONTRACT DRAWINGS, OR DIGITAL DATA FILES USING USING AUTOCAD MEP 2023 THAT HAVE BEEN REVISED AND ANNOTATED TO REFLECT THE AS-BUILT CONDITIONS OF THE PROJECT.

61. DELIVER CERTIFICATES OF ELECTRICAL AND OTHER INSPECTIONS, OR COPIES THEREOF, TO THE OWNER AT THE COMPLETION OF THE PROJECT WITH COPIES TO THE ENGINEER.

WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE AND PERFORM ALL CORRECTIVE WORK

63. A CONTRACTOR MAKING A BID FOR WORK ON THIS PROJECT IS MADE AWARE BY THIS NOTE THAT IT IS THE INTENT OF THE OWNER TO HAVE A COMPLETELY INSTALLED JOB. THE CONTRACTOR MAKING A BID FOR THIS WORK WARRANTS THAT THEY WILL COMPLETE AND WIRE, PROVIDING ALL NECESSARY ELECTRICAL WORK FOR EQUIPMENT SHOWN AND / OR DETAILED ON ANY PROJECT DRAWINGS OR SPECIFICATIONS AND NOT JUST THOSE COMMONLY REFERRED TO AS A SINGLE TRADE DRAWING UNLESS SPECIFICALLY IDENTIFIED ELSEWHERE AS WORK OF OTHER TRADES. WHERE EQUIPMENT REQUIRING WIRING IS SPECIFIED OR SHOWN ON DRAWINGS OTHER THAN ELECTRICAL DRAWINGS, OR INDICATED, OR IMPLIED, SUCH AS ON SHOP DRAWINGS SUBMITTED LATER, THE CONTRACTOR CAN AND SHALL REQUEST DIRECTION REGARDING CIRCUIT SIZING PROTECTION AND ROUTING WHERE NECESSARY BUT SHALL UNDERSTAND ALL NECESSARY WORK TO COMPLETE THE INSTALLATION SHALL

RECOMMENDATIONS, INSTALLATION INSTRUCTIONS, GOOD ENGINEERING PRACTICE, AND PREVAILING CODE.

LIGHTING FIXTURE SCHEDULE

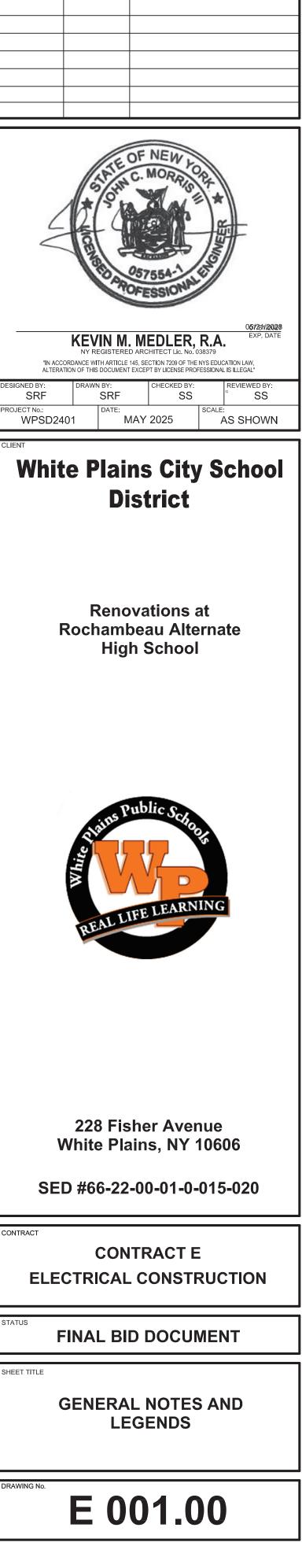
	SYMBOL	TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING	LAMPS	V
		A	COLUMBIA DUAL-LITE	CBT22-LS35 EMERGENCY CBT-LS35 PLD10M PLRST	2X2 BACK-LIT TROFFER, 4400/3300/2750 SWITCHABLE LUMENS, 3500K CCT. EMERGENCY 10W EMERGENCY BATTERY PACK	RECESSED	LED	
		B	COLUMBIA	LCAT22-35MLG-EU EMERGENCY LCAT22-35MLG-EU-ELL14ST	2' X 2' AMBIENT LED TROFFER, CURVED LENS, 3380 LM, 80 CRI 3500K. EMERGENCY 1400 LUMEN EMERGENCY BATTERY PACK	RECESSED	LED	
		C		STNC-AR-P-ID-LPA-8-8-SOF-WHS-35K9-I125 D035-1C-UNV-FA1-CB1	8' DIRECT INDIRECT PENDANT, 80% UP 20% DOWN, 12800 LUMENS	PENDANT	LED	
3		C1	LITECONTROL	STNC-AR–P-ID-LPA-8-8-SOF-WHS-35K9-I50 D040-1C-UNV-FA1-CB1	8' DIRECT INDIRECT PENDANT, 80% UP 20% DOWN, 14800 LUMENS	PENDANT	LED	
				STNC-AR–P-ID-LPA-4-4-SOF-WHS-35K9-I50 D040-1C-UNV-FA1-CB1	4' DIRECT INDIRECT PENDANT, 80% UP 20% DOWN, 7400 LUMENS	PENDANT		
		F	AXIS	(45° POSITIVE-2') SCRG 600 90 35 FL PP45X2 W UNV DP 1 MFTB15 (45° NEGATIVE-2') SCRG 600 90 35 FL PN45X2 W UNV DP 1 MFTB15	2' DIRECT RECESSED PARALLELOGRAM, 600 LUMENS / FOOT COMPATIBLE WITH ARMSTRONG DESIGNFLEX CEILING SYSTEM	RECESSED	LED	
	⊉ ₽	X	DUAL LITE	EVEURWEI	EXIT SIGN, 6" RED LETTERS, PLASTIC HOUSING, BATTERY BACKUP	UNIVERSAL	LED	
	NOTES:					EMERGENC	Y TYPE I F	GF
	1. VEI CO 2. THI SEI REI AL DA LIG	NSTRUC E LIGHTI LECTION QUIREME TERNATE TA IS AM	TION FOR AVAILABLE NG MANUFACTURERS S FOR THIS PROJECT ENTS AND 2020 ENERG MANUFACTURER FOR ONG REQUIREMENTS LUMINATION LEVELS	SPACE, CLEARANCE, ACCESSIBILITY, ETC. AND CATALOG NUMBERS INDICATED IN THE A AND COMPLY WITH THE ILLUMINATING ENGINE Y CONSERVATION CONSTRUCTION CODE OF N R ANY OF THE LIGHT FIXTURE TYPES. PERFOR IN DETERMINING WHETHER THE SUBMITTED LI	FIXTURES. COORDINATE COMPATIBILITY OF FIXTURES WITH BUILDING BOVE LIGHTING FIXTURE SCHEDULE REPRESENT THE BASIS OF DESIGN ERING SOCIETY (IES) LIGHTING LIBRARY ILLUMINATION LEVEL EW YORK STATE. SHOULD THE CONTRACTOR ELECT TO SUBSTITUTE AN MANCE OF THE FIXTURE IS CRITICAL AND PROVIDING PHOTOMETRIC GHT FIXTURE CAN PROVIDE THE REQUIRED NORMAL AND EMERGENCY THE LIGHT FIXTURES INDICATED ON THE CONTRACT LIGHTING PLAN	FIXTU INTEC BATT	IRES HALF S GRAL OR REI ERY PACK TO NUTES OF EI	6HA MO ⁻ O P

	ELECTRICAL LEGENDS	
SYMBOL	DESCRIPTION	COMMENTS
S	SINGLE POLE TOGGLE SWITCH: 120V, 20A	46" AFF TO CL UON
S ₃	THREE - WAY SWITCH: 120V, 20A	46" AFF TO CL UON
S _K	SINGLE POLE KEY SWITCH	46" AFF TO CL UON
—	GFCI RECEPTACLE: 120V, 20A.	
+	GFCI RECEPTACLE: 120V, 20A. MOUNTED 6" ABOVE COUNTER OR SINK	
HD		
(OS)	OCCUPANCY SENSOR - DUAL TECHNOLOGY - CEILING MOUNTED	
	2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING	
	3 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN OR BELOW SLAB	
PP	LIGHTING CONTROL RELAY POWER PACK	
₽	DUPLEX RECEPTACLE: 120V, 20A.	FLUSH
F	DUPLEX RECEPTACLE: 120V, 20A. MOUNTED 6" ABOVE COUNTER	FLUSH
	QUAD RECEPTACLE: 120V, 20A.	FLUSH
F	FIRE ALARM MANUAL PULL STATION	46" AFF
SD	FIRE ALARM SMOKE DETECTOR	
Н	FIRE ALARM HEAT DETECTOR	
HAC	FIRE ALARM HEAT DETECTOR - MOUNTED ABOVE CEILING	
Ed	FIRE ALARM HORN / STROBE	80" - 96" AFF
ΗĒ	FIRE ALARM STROBE	80" - 96" AFF
DSD	DUCT SMOKE DETECTOR	
нS	SPEAKER - WALL MOUNTED	
	ELECTRICAL PANEL , RECESSED; SEE PANEL SCHEDULE.	
· · · · · · · · · · · · · · · · · · ·	ELECTRICAL PANEL, SURFACE MOUNT; SEE PANEL SCHEDULE.	
C	CONDUIT GOING UP.	
0	CONDUIT GOING DOWN.	
	TELEPHONE OUTLET WITH CAT 3 CABLE RUN TO TELEPHONE DEMARC IN BASEMENT	
Δ	DATA OUTLET WITH CAT 6 CABLE RUN TO NETWORK SWITCH IN BASEMENT	
FO	FIRE ALARM BELL STROBE	
OB	PROGRAM BELL	
WAP	WIRELESS ACCESS POINT	
⊗ ⊗	EXIT SIGN	
	EMERGENCY LIGHTING UNIT	
Ŷ	DIGITAL CLOCK DISPLAY	
S	SPEAKER - RECESSED CEILING MOUNTED	
3	CCTV CAMERA DOME	
	LIGHT FIXTURE	
- BB	BELL BOX	
MD	MOTION DETECTOR	
	LIGHT FIXTURE WITH EMERGENCY BATTERY PACK	
H	"HALO" SMART SENSOR DETECTOR	
SR	SECONDARY SERVER RACK	

SYMBC	OLS LEGEND
100	ROOM DESIGNATION
5 A2.2	BUILDING SECTION CUT
5 A2.2	WALL SECTION CUT
5 A2.2	DETAIL KEY
5 A2.2	ELEVATION KEY
——(H)	COLUMN GRID
——	ELEVATION LINE
1 Title SCALE:	DRAWING TITLE
3 4 3 4 A2.2 1 2	INTERIOR ELEVATION REFERENCE
#	SEE NOTE # ON DWG #

	ABBREVIATIONS	
ABBREVIATION	DESCRIPTION	COMMENTS
AFF	ABOVE FINISHED FLOOR	
AFC	ABOVE FINISHED CEILING	
AFCI	ARC FAULT CIRCUIT INTERRUPTER	
AFG	ABOVE FINISHED GRADE	
AHJ	AUTHORITY HAVING JURISDICTION	
AMP, A	AMPERE	
ATS	AUTOMATIC TRANSFER SWITCH; SEE TRANSFER SWITCH SCHEDULE	
AWG	AMERICAN WIRE GAUGE	
BFC	BELOW FINISHED CEILING	
CL	CENTERLINE	
СТ	COUNTER TOP	
EC	ELECTRICAL CONDUIT	
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	
GFI	GROUND FAULT INDICATOR	
GND	GROUND	
PSEG	PUBLIC SERVICE ELECTRIC AND GAS COMPANY (LOCAL ELECTRIC UTILITY)	
МСВ	MAIN CIRCUIT BREAKER	
MLO	MAIN LUGS ONLY	
NTS	NOT TO SCALE	
ТҮР	TYPICAL	
UON	UNLESS OTHERWISE NOTED	
UC	UNDER COUNTER	
V	VOLT	
VAC	VOLTS ALTERNATING CURRENT	
VDC	VOLTS DIRECT CURRENT	
X-FMR	TRANSFORMER	
WP	WEATHERPROOF	

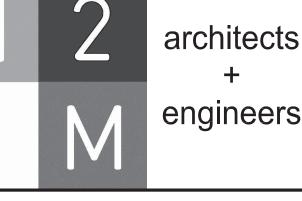
VOLTAGE	FIXTURE WATTAGE	
120	24-40	
120	29	
120	85.6	
120	104	
120	52	
120	100	
120	2	
END:		
Aded Shali Dte emerge Provide a I Ergency Lig		
		1

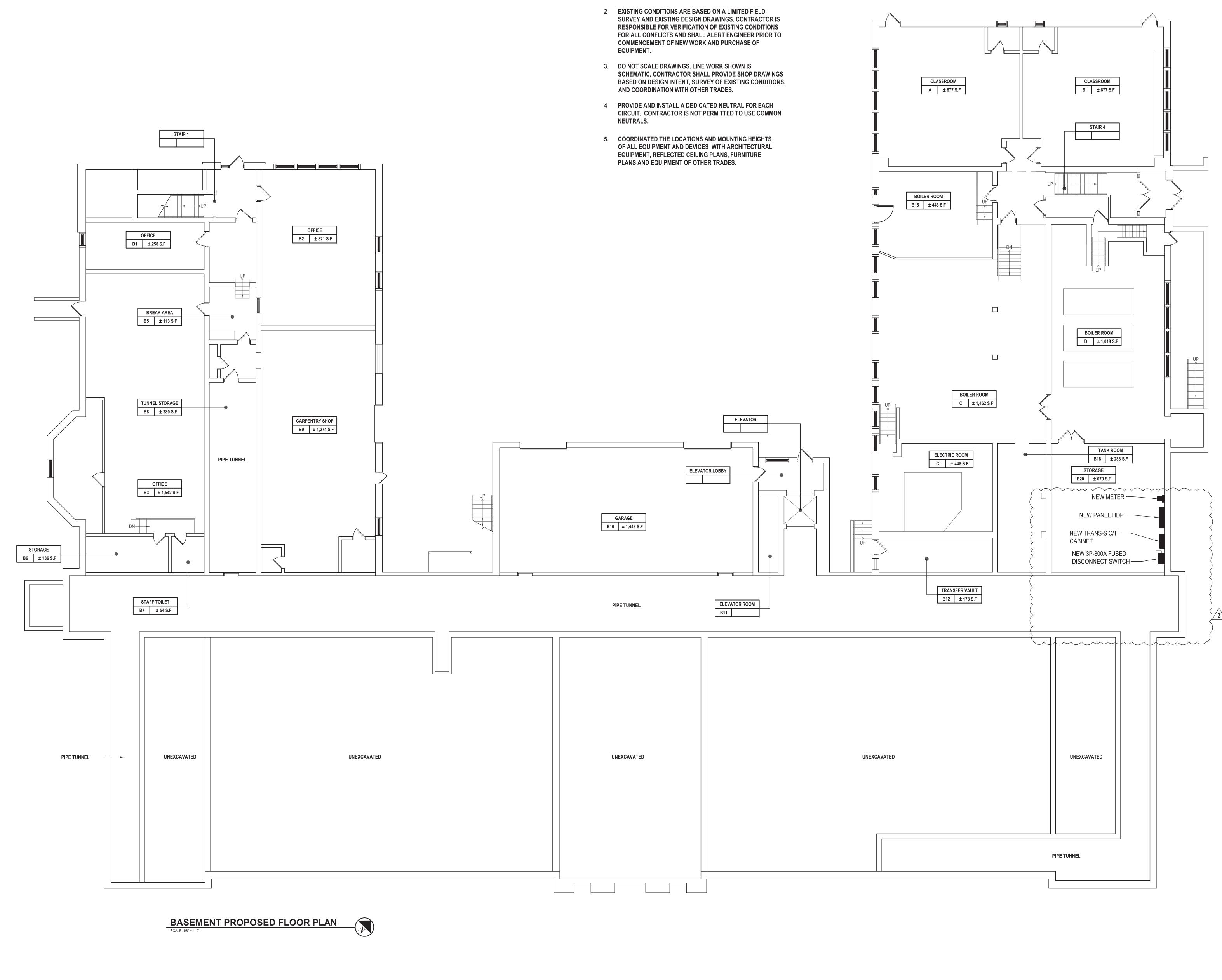


MARK	DATE	DESCRIPTION
0	09-11-24	SED SUBMISSION
1	02-25-25	SED ADDENDUM 1
	05-28-25	FINAL BID SET
3	06-13-25	FINAL BID SET - ADDENDUM #3
	1	

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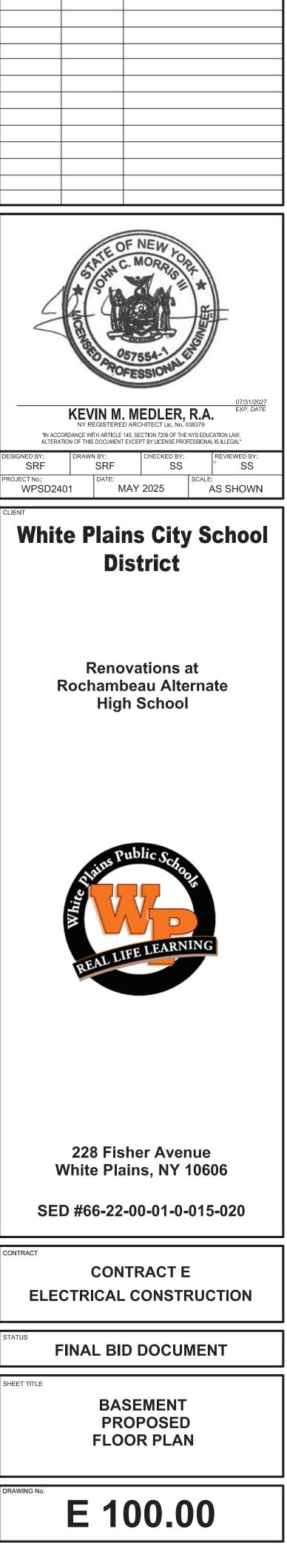
SULTANTS:



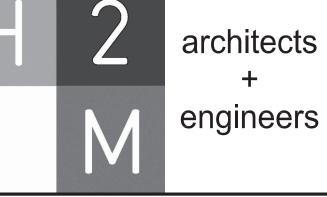


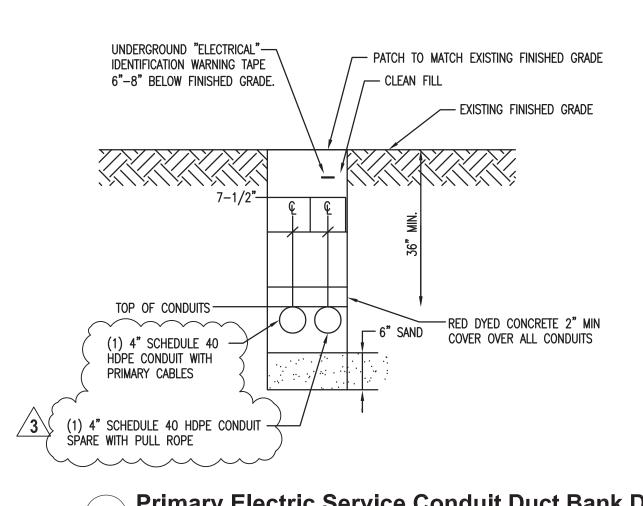
GENERAL NOTES:

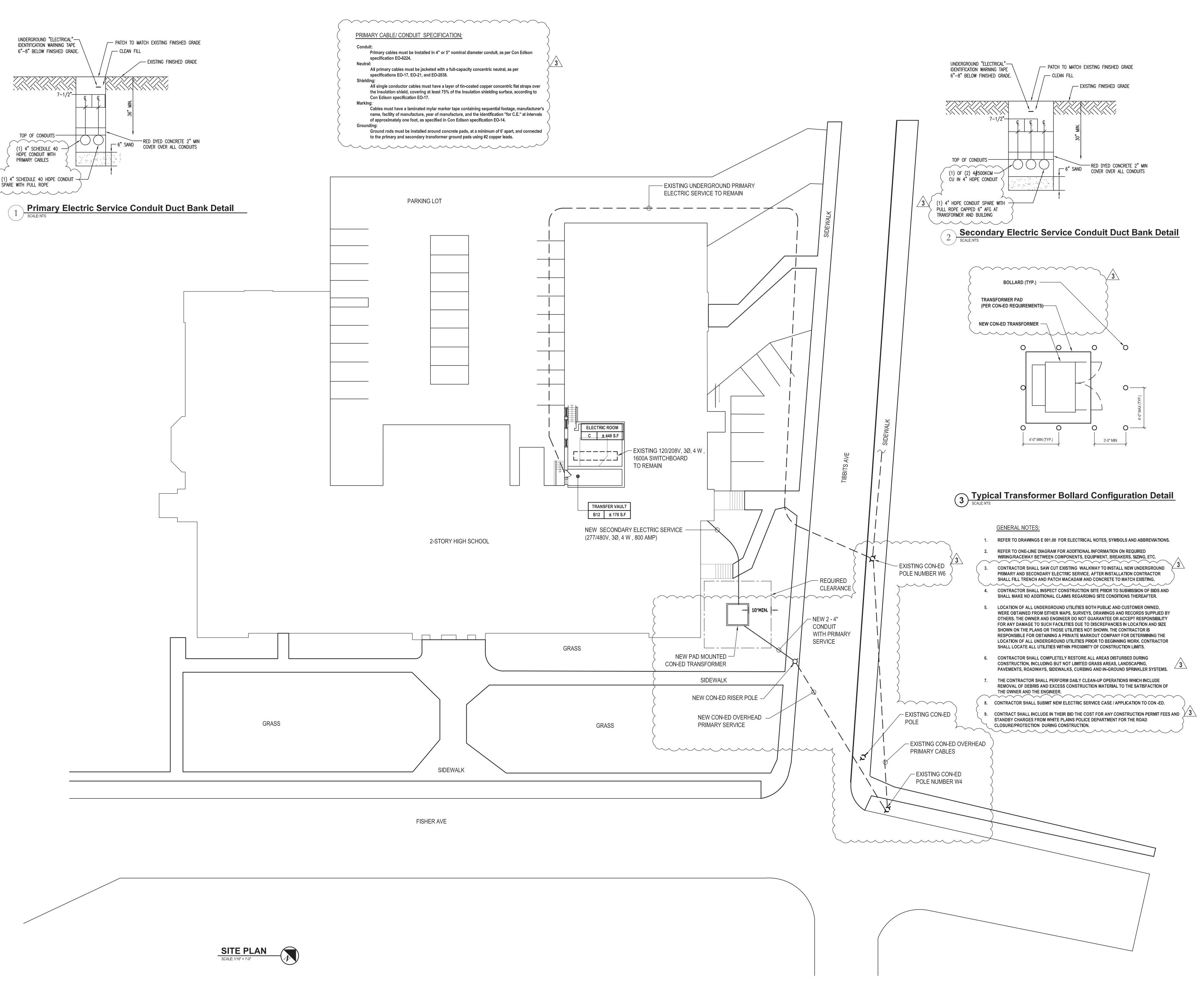
- 1. SEE DRAWING E 001 FOR ELECTRICAL LEGEND, SYMBOLS, ABBREVIATIONS, & GENERAL NOTES.



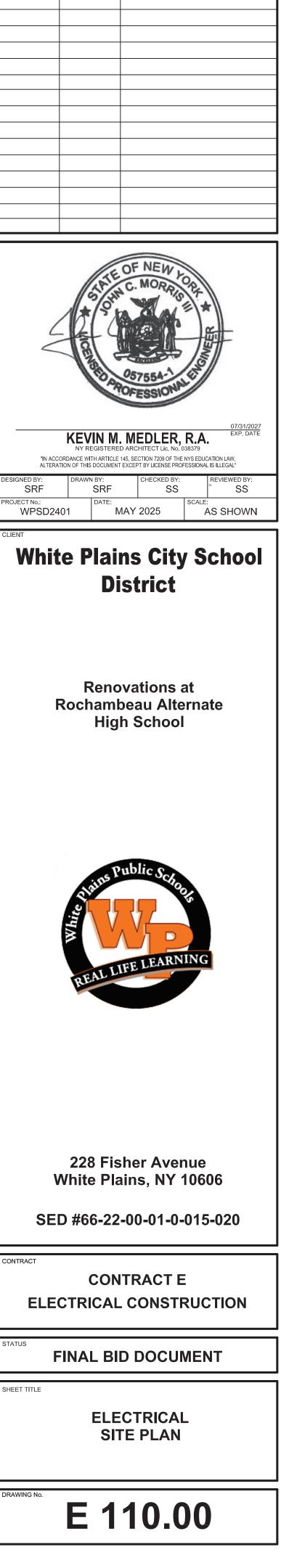
DESCRIPTION MARK DATE 09-11-24 SED SUBMISSION 0 02-25-25 SED ADDENDUM 1 05-28-25 FINAL BID SET 06-13-25 FINAL BID SET - ADDENDUM #3 - 3





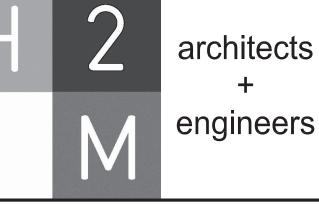




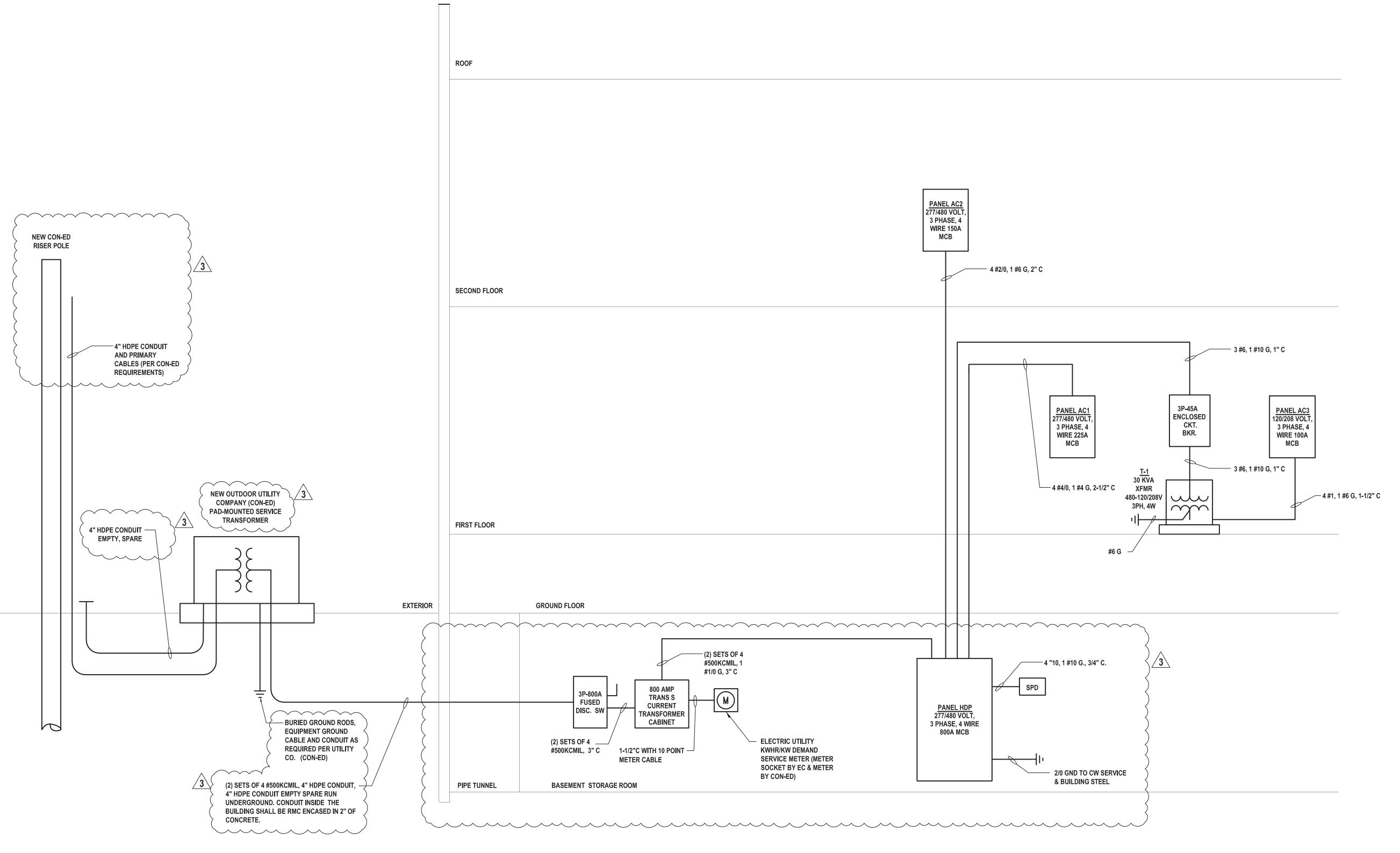


MARK | DATE DESCRIPTION 09-11-24 SED SUBMISSION 02-25-25 SED ADDENDUM 1 05-28-25 FINAL BID SET 06-13-25 FINAL BID SET - ADDENDUM #3

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architects



1 Electrical Power One Line Riser Diagram SCALE: NONE

	ELECTRICAL ONE LINE DIAGRAM	
/ING No.	E 500.00	

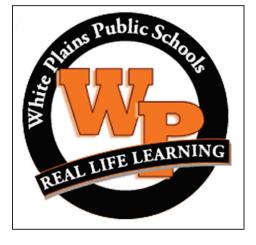
SHEET TITLE

FINAL BID DOCUMENT

CONTRACT E ELECTRICAL CONSTRUCTION

SED #66-22-00-01-0-015-020

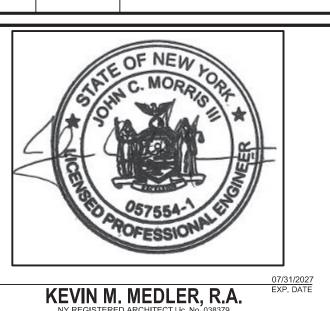
228 Fisher Avenue White Plains, NY 10606







"IN ACCORI	NY RE DANCE WI	EGISTERED ARC	HITECT LIC. NO. 0 CTION 7209 OF THE DY BY LICENSE PROF	38379 NYS EDU	CATION LAW,
DESIGNED BY: SRF	DRAWN	IBY: SRF	CHECKED BY:		REVIEWED BY: SS
PROJECT No.: WPSD240	1	date: MAY	2025	SCALE	AS SHOWN
White	e P			s s	chool
		Dist	rict		



MARK	DATE	DESCRIPTION
0	09-11-24	SED SUBMISSION
1	02-25-25	SED ADDENDUM 1
	05-28-25	FINAL BID SET
3	06-13-25	FINAL BID SET - ADDENDUM #3

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ULTANTS:



architects engineers

212	TEM: 480Y/277V, 3Ø, 4W	NUMB	ER OF PO	OLES	: CON	TINUOUS	BUS	AREA SERVED:	HVAC SYSTE	IMS	
305	RATING: 800 A MINIMUM CB IC: 65kA RMS SYM	EQUIP	GROUN	D BU	S: YES			PANEL LOCATION:	STORAGE ROOM		
MA	INS TYPE: MCB MAINS RATING: 800 A	ISOLAT	ED GND	BUS	5: NO			MOUNTING:	SURFACE	SUPPLIED FROM: UTILI	
CIR	. SERVES	LC	DAD	6		EAKER	MINIMUN	1 FEEDER	COMMENTS	; ;	
#		kVA	AMP	Р	FRAME	TRIP		DUIT SIZE			
1	AC1	121	146	3	250	225	SEE RISER	DIAGRAM			
2	AC2	65	78	3	225	150	SEE RISER	DIAGRAM			
3	AC3 VIA TRANSFORMER T1	29	35	3	100	45	SEE RISER	DIAGRAM			
4	FUTURE CUH-1	14	17	3	100	25					
5	FUTURE CUH-2	14	17	3	100	25					
6	FUTURE CUH-3	14	17	3	100	25					
7	SPARE			3	250	175					
8	SPARE			3	225	100					
9	SPACE			3							
10	SPACE			3							
11	SPACE		~~~	3		\sim					
12	SPD	1	1	3	100	30					
$\overline{}$			\sim	\sim	\sim	\sim	\sim				
	TOTAL CONNECTED LOAD (kVA)	2	58			/ 3	$\overline{}$				
	TOTAL CONNECTED LOAD (AMPS)	3	10								

SCHEDUL	E FOR PANEI	.: AC2															
SYSTEM:	480Y/277	V, 3Φ, 4W			NU	MBER C	OF POLES:	30				AREA SERVED: HVAC	SYSTEMS	5			
BUS RATIN	6: 250 A	MINIMUN	/I CB IC:	42kA RMS SYM	EQI	JIP GRO	OUND BUS	: YES				PANEL LOCATION: STORAGE ROOM					
MAINS TYP	E: MCB	MAINS RA	TING:	150 A	ISOLATED GND BUS: NO MOU						MOUNTING: SURF.	ACE	SUP	PLIED FROM: HDP			
CIR. SERVE	s		LOAD	MINIMUM BRANCH	BR	EAKER		PHASE		BREA	KER	MINIMUM BRANCH	LOAD	SER\	/ES	CIR.	
#				CIRCUIT & CONDUIT SIZE	Р	TRIP	A	В	С	TRIP	Р	CIRCUIT & CONDUIT SIZE				#	
1			7175				14350						7175			2	
3 CU-2			7175	3#8, #10 G, 3/4" C	3	35		14350		35	3	3#8, #10 G, 3/4" C	7175	CU-6	i	4	
5			7175	-					14350				7175			6	
7			7175				7175			-	1			SPAC	E	8	
9 CU-4			7175	3#8, #10 G, 3/4" C	3	35		7175		-	1			SPAC)E	10	
11			7175	-					7175	-	1			SPAC	E	12	
13							0			-	1			SPAC	ĴE	14	
15 SPARE				-	3	35		0		-	1			SPAC	CE	16	
17				-					0	-	1			SPAC	CE	18	
19 SPARE					1	20	0			-	1			SPAC	CE	20	
21 SPACE					1	-		0		-	1			SPAC	E	22	
23 SPACE					1	-			0	-	1			SPAC	CE	24	
25 SPACE					1	-	0			-	1			SPAC	E	26	
27 SPACE					1	-		0		-	1			SPAC	E	28	
29 SPACE					1	-			0	-	1			SPAC	E	30	
							21525	21525	21525	VA P	ER P	PHASE					
тоти		D LOAD (VA)	64575				78	78	78		'S PE	R PHASE	78		TOTAL CONNECTED LOAD (AN	ИPS)	
										-							
NO ⁻	ES:																
	1. 2.																

EA SERVED:	HVAC SYSTEM	15	
NEL LOCATION:	STORAGE ROO	ЭМ	
OUNTING:	SURFACE	SUPPLIED FROM:	UTILITY
EDER	COMMENTS		
SIZE			
GRAM			
GRAM			
GRAM			

SYSTEM:	480Y/277V, 3Φ	, 4W		NUR	MBER O	F POLES:	42				AREA SERVED: HVAC	SYSTEMS		
BUS RATING:	250 A	MINIMUM CB IC:	42kA RMS SYM	EQL	JIP GRC	UND BUS	: YES			DOM				
MAINS TYPE:	МСВ	MAINS RATING:	225 A	ISOI	ATED O	GND BUS:	NO				MOUNTING: SURFA	CE	SUPPLIED FROM: HDP	
CIR. SERVES		LOAD	MINIMUM BRANCH	BRI	EAKER		PHASE		BREA	KER	MINIMUM BRANCH	LOAD	SERVES	СІ
#			CIRCUIT & CONDUIT SIZE	Р	TRIP	А	В	С	TRIP	Р	CIRCUIT & CONDUIT SIZE			1
1		5707				9115						3408		
3 CU-5		5707	3#10, #10 G, 3/4" C	3	25		9115		20	3	3#12, #12 G, 3/4" C	3408	CU-7	4
5		5707						9115	1			3408		6
7		5707				11414		L				5707		8
9 CU-5		5707	3#10, #10 G, 3/4" C	3	25		11414		25	3	3#10, #10 G, 3/4" C	5707	CU-3	1
11		5707	-					11414	1			5707		1
13		5707				11414						5707		14
15 CU-1		7175	3#8, #10 G, 3/4" C	3	35		12882		25	3	3#10, #10 G, 3/4" C	5707	си-з	1
17		7175						12882	1			5707		1
19		7175				7175			-	1			SPACE	2
21 CU-1		7175	3#8, #10 G, 3/4" C	3	35		7175		-	1			SPACE	2
23		7175	_					7175	-	1			SPACE	2
25						0			-	1			SPACE	2
27 SPARE			-	3	25		0		-	1			SPACE	2
29								0	-	1			SPACE	3
31						0			-	1			SPACE	3
33 SPARE			-	3	35		0		-	1			SPACE	3
35]					0	-	1			SPACE	3
37 SPARE				1	20	0			-	1			SPACE	3
39 SPARE				1	20		0		-	1			SPACE	4
41 SPARE				1	20			0	-	1			SPACE	4
						39118	40586	40586	VA P	ER P	HASE			
TOTAL		D (VA) 120290				141	147	147		S PE	R PHASE	145	TOTAL CONNECTED LOAD (A	MPS)

MAINS TYPE: MCB MAINS RAT CIR. SERVES Image: Component of the second seco		22kA RMS SYM 100 A MINIMUM BRANC CIRCUIT & CONDU 2#8, #10 G, 3/4" C 2#8, #10 G, 3/4" C
CIR. SERVES #	LOAD 3026 3026 3026 3026	MINIMUM BRANC CIRCUIT & CONDU 2#8, #10 G, 3/4" C
1 CU-8 3 - 5 CU-9 7 - 9 CU-10 11 -	3026 3026 3026 3026	CIRCUIT & CONDU 2#8, #10 G, 3/4" C
1 CU-8 3 - 5 CU-9 7 - 9 CU-10 11 -	3026 3026 3026	2#8, #10 G, 3/4" C
3	3026 3026 3026	
5 CU-9 7 9 CU-10 11	3026 3026	2#8, #10 G, 3/4" C
7 9 11	3026	2#8, #10 G, 3/4" C
9 CU-10		
11	3026	
		2#8, #10 G, 3/4" C
40 5114	3026	_
13 EU-1	63	2#12, #12 G, 3/4" (
15	63	_
17 EU-2	42	2#12, #12 G, 3/4" (
19	42	_
21 EU-3	63	2#12, #12 G, 3/4" (
23	63	_
25 SPARE		
27 SPARE		
29 SPACE		

	NUN	/BER O	F POLES:	30				AREA SERVED: HVAC	SYSTEMS		
	EQU	IP GRO	UND BUS	: YES				PANEL LOCATION: STORA	GE ROOM	VI	
	ISOL	ATED G	GND BUS:	NO				MOUNTING: SURFA	CE	SUPPLIED FROM: HDP VIA T1	
	BRE	AKER		PHASE		BREA	KER	MINIMUM BRANCH	LOAD	SERVES	CIR
T SIZE	Р	TRIP	А	В	С	TRIP	Ρ	CIRCUIT & CONDUIT SIZE			#
	2	35	3206			20	1	2#12, #12 G, 3/4" C	180	RECEPTACLE - ROOF	2
				3206		20	1	2#12, #12 G, 3/4" C	180	RECEPTACLE - ROOF	4
	2	35		<u> </u>	3566	20	1	2#12, #12 G, 3/4" C	540	RECEPTACLES - ROOF	6
			4106			20	1	2#12, #12 G, 3/4" C	1080	CP-1 THRU 6	8
	2	35		4106		20	1	2#12, #12 G, 3/4" C	1080	CP-7 THRU 11 AND CP-31	10
				L	4646	20	1	2#12, #12 G, 3/4" C	1620	CP-12 THRU CP-20	12
	2	15	1143			20	1	2#12, #12 G, 3/4" C	1080	CP-21 THRU 26	14
				963		20	1	2#12, #12 G, 3/4" C	900	CP-27 THRU 30 AND CP-32	16
	2	15		<u> </u>	1218	20	1	2#12, #12 G, 3/4" C	1176	KE-1	18
			1767			15	1	2#12, #12 G, 3/4" C	1725	ERV-1	20
	2	15		63		20	1			SPARE	22
				L	63	-	1			SPACE	24
	1	20	0			-	1			SPACE	26
	1	20		0		-	1			SPACE	28
	1	-		L	0	-	1			SPACE	30
	<u> </u>		10222	8338	9493	VA PI	ER P	HASE		1	
			85	69	79		S PE	R PHASE	78	TOTAL CONNECTED LOAD (A	MPS)

TOTAL2027								
NY R "IN ACCORDANCE W	VIN M. MEDLER REGISTERED ARCHITECT LIC. N ITH ARTICLE 145, SECTION 7209 OF S DOCUMENT EXCEPT BY LICENSE F N BY: CHECKED B	EXP. DATE (0. 038379 THE NYS EDUCATION LAW, PROFESSIONAL IS ILLEGAL"						
SRF PROJECT No.: WPSD2401	SRF S	S ° SS SCALE: AS SHOWN						
F	Plains Cit District	at ternate						
White	ains Public Sch							
White	8 Fisher Ave e Plains, NY 6-22-00-01-(´ 10606						
	CONTRACT							
STATUS FINA	L BID DOCL	JMENT						
SHEET TITLE	ELECTRICA SCHEDULE							
DRAWING No.	600.	00						

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MARK | DATE

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1

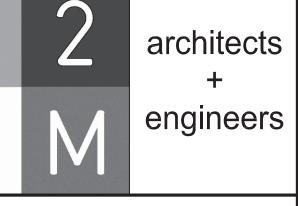
3

09-11-24

02-25-25

05-28-25

06-13-25



DESCRIPTION

SED SUBMISSION

SED ADDENDUM 1

FINAL BID SET FINAL BID SET - ADDENDUM #3