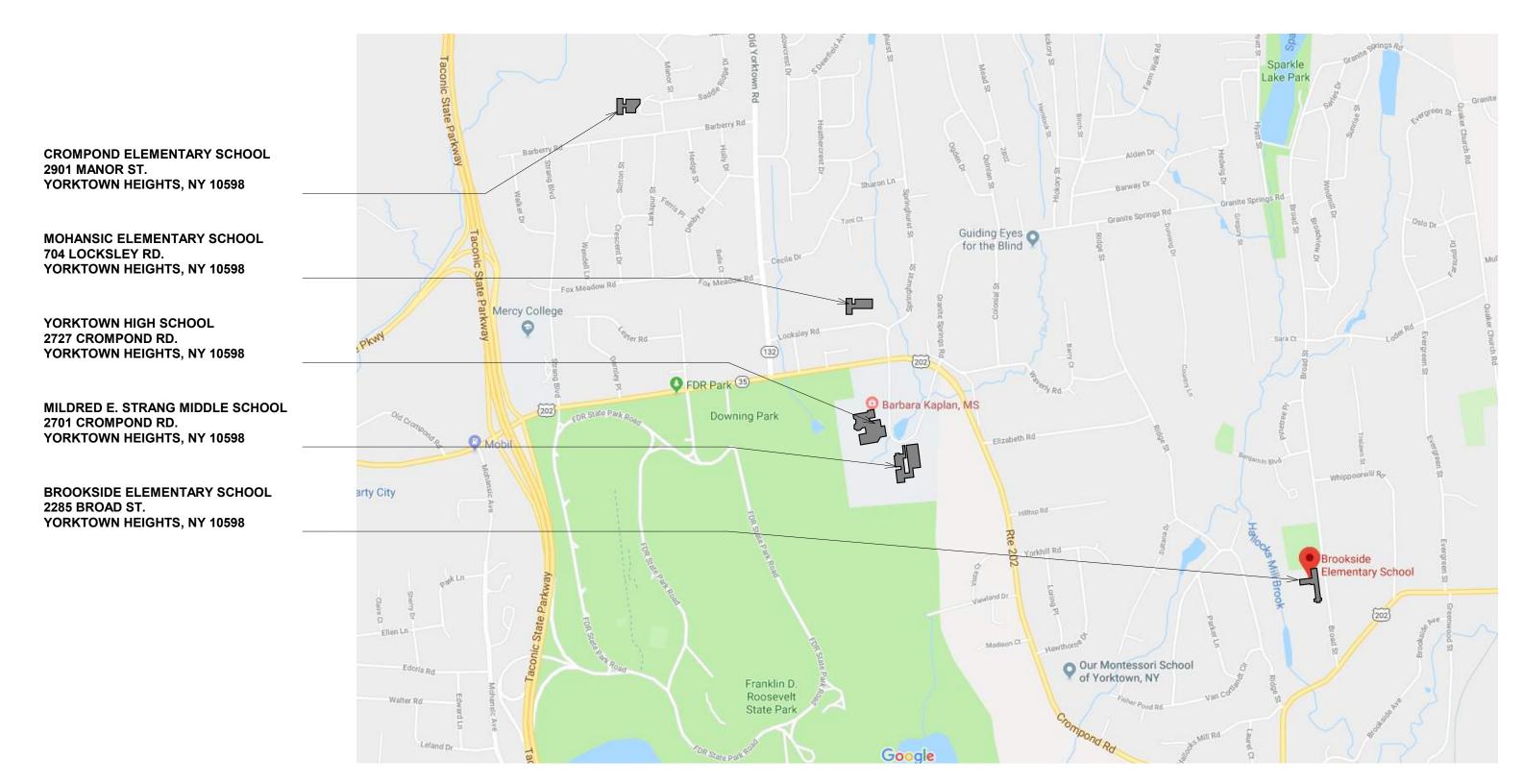
Yorktown Central School District

DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

Yorktown High School 2727 Crompond Road Yorktown Heights, NY 10598



YHS - YORKTOWN HIGH SCHOOL SED: #66-24-02-06-0-005-028
MS - MILDRED E. STRANG MIDDLE SCHOOL SED: #66-24-02-06-0-007-027
CES - CROMPOND ELEMENTARY SCHOOL SED: #66-24-02-06-0-003-022
MES - MOHANSIC ELEMENTARY SCHOOL SED: #66-24-02-06-0-004-025
BES - BROOKSIDE ELEMENTARY SCHOOL SED: #66-24-02-06-0-002-020

THE UNDERSIGNED CERTIFIES THAT TO THE BEST OF HIS KNOWLEDGE, INFORMATION AND BELIEF, THE PLANS AND SPECFICATIONS ARE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE NEW YORK STATE UNIFORM FIRE PRECENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE CONSTRUCTION STANDARDS OF THE EDUCATION DEPARTMENT.

ARCHITECT: KSQ Design

215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

STRUCTURAL ENGINEER:

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

OWNER:

Yorktown Central School District Yorktown High School 2727 Crompond Road Yorktown Heights, NY 10598 914 243 8000 office

CIVIL ENGINNER:

The Chazen Companies 547 River Street Troy, New York 12180 518.266.7362 office www.chazencompanies.com

CONSTRUCTION MANAGER:

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP ENGINEER:

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305 518.690.0046 office

HAZARDOUS MATERIALS CONSULTANT

Quality Environmental Solutions & Technologies, Inc. 1376 Route 9
Wappingers Falls, New York 12590
845.298.6031 office www.qualityenv.com



BID ISSUANCE DATE: 10/25/2021

SHEET INDEX - GENERAL

00 - GENERAL COVER SHEET SHEET INDEX GENERAL NOTES / ABBREVIATIONS / LEGENDS AND SYMBOLS ROOFING & WALL EQUIPMENT PENETRATION DETAILS & FINISH SCHEDULE

SHEET INDEX - YORKTOWN HIGH SCHOOL

03 - STRUCTURAL

STRUCTURAL NOTES AND SPECIAL INSPECTIONS

04 - ARCHITECTURAL

YHS-A100 OVERALL FLOOR PLAN & BUILDING SUMMARY CAFETERIA RCP DEMO CAFETERIA RCP - NEW WORK YHS-A301A CAFETERIA RCP - NEW WORK - ALTERNATE EC-1 CAFETERIA ROOF PLAN - NEW WORK

05 - MECHANICAL

HVAC LEGENDS, SYMBOLS, AND ABBREVIATIONS CAFETERIA & SERVERY REMOVAL & RENOVATION PLANS DETAILS & SCHEDULES CONTROL DIAGRAMS

YHS-E000 ELECTRICAL LEGEND & ABBREVIATIONS LEVEL 1 CAFETERIA REMOVALS PLAN MAIN LEVEL CAFETERIA LIGHTING PLAN YHS-E103A MAIN LEVEL GYM ALTERNATE EC-1 LIGHTING PLAN LOWER LEVEL POWER & SYSTEMS PLAN LEVEL 1 CAFETERIA POWER & SYSTEMS PLAN YHS-E500 RISER DIAGRAMS & DETAILS

SHEET INDEX - MILDRED E STRANG MIDDLE SCHOOL

STRUCTURAL NOTES AND SPECIAL INSPECTIONS PARTIAL ROOF FRAMING PLAN & DETAILS

GYMNASIUM ROOF PLAN - NEW WORK

MAIN LEVEL GYMNASIUM LIGHTING PLAN

04 - ARCHITECTURAL CODE ANALYSIS & BUILDING SUMMARY FLOOR PLANS GYMNASIUM ELEVATIONS & PLAN

05 - MECHANICAL HVAC LEGENDS, SYMBOLS, AND ABBREVIATIONS GYMNASIUM HVAC PLAN GYMNASIUM HVAC PLAN DETAILS & SCHEDULES

MS-H701 CONTROL DIAGRAMS 06 - ELECTRICAL ELECTRICAL LEGEND & ABBREVIATIONS MAIN LEVEL REMOVALS PLAN MAIN LEVEL POWER & SYSTEMS PLAN

SHEET INDEX - CROMPOND ELEMENTARY SCHOOL

03 - STRUCTURAL

CES-S001 STRUCTURAL NOTES AND SPECIAL INSPECTIONS CES-S101 PARTIAL ROOF FRAMING PLAN & DETAILS

CES-A600 DOOR SCHEDULE AND DETAILS

04 - ARCHITECTURAL

CES-A110 OVERALL FLOOR PLANS & BUILDING SUMMARY CES-A112 RCP - ENLARGED FIRST FLOOR & CAFETERIA ALTERNATES CES-A402 FAN ROOM FLOOR PLAN

05 - MECHANICAL CES-H001 HVAC LEGENDS, SYMBOLS, AND ABBREVIATIONS CES-H101 LOWER LEVEL POWER & SYSTEM PLAN DETAILS & SCHEDULES CES-H501 CES-H701 CONTROL DIAGRAMS

06 - ELECTRICAL CES-E000 **ELECTRICAL LEGEND & ABBREVIATIONS** LOWER LEVEL POWER & SYSTEMS PLAN MAIN LEVEL & FAN ROOM POWER & SYSTEMS PLAN CES-E102 FAN ROOM POWER & SYSTEMS PLANS

SHEET INDEX - MOHANSIC ELEMENTARY SCHOOL

MES-S001 STRUCTURAL NOTES AND SPECIAL INSPECTIONS MES-S101 PARTIAL ROOF FRAMING PLAN AND DETAILS 04 - ARCHITECTURAL MES-A110 OVERALL FLOOR PLAN & BUILDING SUMMARY RCP ENLARGED LEVEL 1 MES-A402 FAN ROOM FLOOR PLAN

05 - MECHANICAL

MES-H001 HVAC LEGENDS, SYMBOLS, AND ABBREVIATIONS GYMNASIUM, CAFETERIA & ROOF RENOVATIONS PLANS MES-H501 DETAILS & SCHEDULES MES-H701 CONTROL DIAGRAMS

06 - ELECTRICAL MES-E000 ELECTRICAL LEGEND & ABBREVIATIONS MES-E100 LOWER LEVEL POWER & SYSTEMS PLAN MES-E101 MAIN LEVEL & FAN ROOM POWER & SYSTEMS PLAN

SHEET INDEX - BROOKSIDE ELEMENTARY SCHOOL

BES-S001 STRUCTURAL NOTES AND SPECIAL INSPECTIONS BES-S101 PARTIAL ROOF FRAMING PLAN AND DETAILS

04 - ARCHITECTURAL BES-A100 OVERALL FLOOR PLAN & BUILDING SUMMARY RCP ENLARGED FIRST FLOOR BES-A402 **ROOF PLAN - NEW WORK**

BES-A600 DOOR SCHEDULE AND DETAILS

05 - MECHANICAL BES-H001 HVAC LEGENDS, SYMBOLS, AND ABBREVIATIONS BES-H101 GYMNASIUM & CAFETERIA REMOVAL & RENOVATION PLANS BES-H501 DETAILS & SCHEDULES

06 - ELECTRICAL

BES-H701 CONTROL DIAGRAMS

BES-E000 ELECTRICAL LEGEND & ABBREVIATIONS BES-E100 MAIN LEVEL REMOVALS PLAN BES-E101 LOWER LEVEL POWER & SYSTEMS PLAN BES-E102 MAIN LEVEL POWER & SYSTEMS PLAN

GENERAL NOTES:

ALL PRIME CONTRACTORS (GC, MC & EC) SHALL REFER TO ALL DRAWINGS TO IDENTIFY EACH TRADE SCOPE OF WORK AND RESPONSIBILITY AS REQUIRED BY THE SPECIFICATIONS.

NEW YORK OKLAHOMA NORTH CAROLINA

215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

ARCHITECT

Yorktown Central School District Yorktown Heights, NY 10598 914 243 800 office

Construction Manager Arris Contracting Co.

189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office

845 473 1453 fax

MEP Engineer DELTA Engineers, Architects, & Land

Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305

518 690 0046

Structural Engineer

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer

The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

Hazardous Materials Consultant

Quality Env. Solutions & Technologies, Inc. 1376 Route 9 Wappingers Falls, New York 12590 845.298.6031 office www.qualityenv.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





2020 DISTRICT WIDE IMPROVEMENTS: PHASE II

2725 Crompond Road Yorktown Heights, NY 10598

REVISIONS

Description

ISSUED: ISSUANCE 10/25/2021 DATE:

SCALE: SHEET NAME:

SHEET INDEX

SHEET NUMBER:

G-001

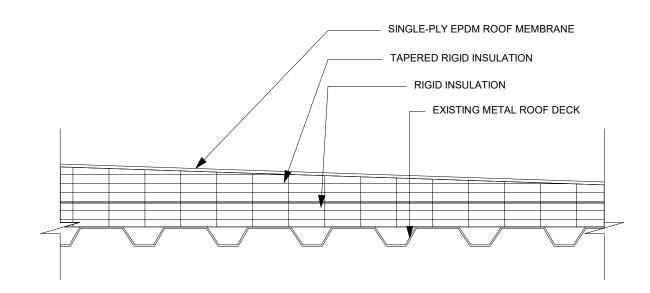
	AB	BREVIAT	TIONS			ROOF PLAN LEGEND	ANNOTATION	LEGEND	GENERAL ARC	HITECTURAL	
AT AIR-C	ONDITIONING	G GA	GROUND GAGE	PSF PSI	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH		TIT! F				Ksq desi
ANCH	IOR BOLT	GALV	GALVANIZED	PT	PAINT	EXHAUST FAN	TITLE A1	VIEW TITLE		(TERIOR FACE OF FRAMING (STUDS). RE TO THE FACE OF STUD OR CMU UNLESS	
	REGATE BASE COURSE SS PANEL	GC GFCR	GENERAL CONTRACTOR GLASS FIBER REINFORCED CONCRETE	PT PTD	PRESSURE TREATED PAPER TOWEL DISPENSER		12" = 1'-0"	VIEW TITLE	NOTED OTHERWISE. 2 LARGE SCALE DETAILS AND PLANS TAKE	PRECEDENCE OVER SMALL SCALE	NEW YORK OKLAHOMA NORTH CARO
ACOU	ISTICAL CEILING TILE	GI	GALVANIZED IRON	PTN	PARTITION	ROOF DRAIN			DRAWINGS. 3 ALL ITEMS ARE CONSIDERED TO BE "NEV		TEXAS COLOR
ADJA(ABOV	CENT 'E FINISHED FLOOR	GL GPM	GLASS, GLAZING GALLONS PER MINUTE	PTR PUR	PAPER TOWEL RECEPTACLE PURLIN				4 COORDINATE AND VERIFY ALL DIMENSIC	NS, OPENINGS AND CONDITIONS WITH CIVIL,	KSQ Design
ALTER	RNATE	GYP	GYPSUM	PVC	POLYVINYL CHLORIDE	⊘ ROOF VENT	A1 A101	BUILDING ELEVATION		AND ALL OTHER PERTINENT DRAWINGS AND FY ARCHITECT OF DISCREPANCIES AS SOON	215 West 40th Street 15th Floor New York, NY 10018
ALUMI ANOD		GYP BD	GYPSUM BOARD	QT	QUARRY TILE		Alui		AS POSSIBLE. 5 DO NOT SCALE DRAWINGS.		914.682.3700 office www.ksq.design
	MATIC	Н	HIGH	QTR	QUARTER	ROOF HATCH	,		6 ALL DETAILS ARE TYPICAL, INCORPORAT	E INTO PROJECT AT APPROPRIATE	
BOAR	RD, BEAD	HC HB	HOSE BIBB HOLLOW CORE, HANDICAP	QTY	QUANTITY			NATIONAL PLANTAGE	LOCATIONS WHETHER SPECIFICALLY IND 7 HINGE SIDE OF ALL DOORS ARE LOCATE	ICATED OR NOT. O 4" FROM ADJACENT WALL UNLESS NOTED	Owner
_	W FINISHED FLOOR	HD	HEAVY DUTY	R	RADIUS, RISER, ROUND		XAT	INTERIOR ELEVATION	OTHERWISE. 8 NOT USED.		Yorktown Central School District
BUILD BLOCI		HDBD HDWD	HARDBOARD HARDWOOD	RB	RETURN AIR RESILIENT BASE	SKYLIGHT	A101		9 THE DRAWINGS & SPECIFICATIONS ARE	COMPLIMENTARY DOCUMENTS NEITHER TAKE	Yorktown High School 2727 Crompond Road Yorktown Heights, NY 10598
BEAM BOTTO		HDWR HM	HARDWARE HOLLOW METAL	RCP	REFLECTED CEILING PLAN ROOF DRAIN				PRECEDENT OVER THE OTHER. CONFLIC SHALL BE BROUGHT TO THE ATTENTION		914 243 8000 office
BEARI	ING	HORIZ	HORIZONTAL	REC	RECESSED	E.J. EXPANSION JOINT COVER ASSEMBLY			10 THIS SET OF DRAWINGS INDICATES GEN	ERAL SCOPE OF THE PROJECT. THE	
BASEI BUILT		HP HT	HORSE POWER HEIGHT	REF REINF	REFERENCE REINFORCE(D,ING)		A101 A101	BUILDING SECTION	FULL PERFORMANCE AND COMPLETION	OF THE REQUIREMENTS OF THE CONTRACT. CRIBED, CONTRACTOR SHALL FURNISH ALL	Construction Manager
		HVAC	HEATING/VENTILATING/AIR-CONDITIONING	REQD	REQUIRED				LABOR, MATERIAL AND EQUIPMENT REQ		Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601
CHANI C CENTI	INEL ER TO CENTER	HW	HOT WATER	RESIL REV	RESILIENT REVISION, REVERSE				COMPLETION OF THE WORK. 11 ALL CONSTRUCTION SHALL COMPLY WIT	THE REQUIREMENTS OF APPLICABLE	845 473 6300 office 845 473 1453 fax
CARD	ACCESS	ID	INSIDE DIAMETER	RH	RIGHT HAND	LIFE SAFETY LEGEND	A101	WALL SECTION	LOCAL, STATE AND FEDERAL CODES OR		J
CABIN CATCI	NET H BASIN	IF INCL	INSIDE FACE INCLUDED	RM RO	ROOM ROUGH OPENING	LIFE SAFETT LEGEND			WITH DISABILITIES ACT.		MEP Engineer
CEME	NT	INFO	INFORMATION	ROW	RIGHT-OF-WAY				13 THE CONTRACTOR SHALL VERIFY THE LO UTILITIES BEFORE PROCEEDING WITH EX	CATION OF EXISTING UNDERGROUND CAVATION, TRENCHING OR SIMILAR WORK.	DELTA Engineers, Architects, & Land
PLAS CEME CERAI	INT PLASTER MIC	INSUL INT	INSULATION INTERIOR	RWL	RAINWATER LEADER	0.5 HR FIRE RATED WALL	A1 A101	DETAIL	THESE DRAWINGS DO NOT CERTIFY THE PRESENT BUT UNRECORDED OR UNDET	EXISTENCE OF UTILITIES WHICH MAY BE	Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305
CONT	RACTOR FURNISH/CONTRACTOR INSTAL	INV	INVERT	S	SOUTH				14 PROVIDE LINTELS OR HEADERS AS REQU	IRED OR DIRECTED OVER OPENINGS	518 690 0046
	C FEET PER MINUTE IER GUARD	INV EL	INVERT ELEVATION	SA SAP	SUPPLY AIR SUSPENDED ACOUSTICAL PANEL	1 HR FIRE RATED WALL			PENETRATED BY MECHANICAL EQUIPME 15 NOT USED.	NI.	
CAST	IRON	J-BOX	JUNCTION BOX	SC	SOLID CORE	2 HR FIRE RATED WALL	ROOM NAME	ROOM NAME & NUMBER	16 PROVIDE CODE COMPLIANT NON-COMBL SECURE, INSTALLATION OF WALL MOUN		Structural Engineer
	IRON PIPE, CAST-IN-PLACE ROL JOINT	JAN CLO	JANITOR CLOSET	SCHED SD	SCHEDULE STORM DRAIN	XX'-XX"	101		TYPE OF BLOCKING AND ANCHORING AS	REQUIRED TO SUIT INSTALLATION AND WALL	Clapper Structural Engineering, PLLC 160 Partition Street
CIRCL	JIT	KD	KNOCKED DOWN	SDG	SIDING	– — — PATH OF EGRESS TRAVEL	(101A)		MOUNTING HEIGHTS.	DRAWINGS FOR STANDARD DETAILS AND	Saugetties, New York 12477 845.943.9601 office
CENTI CEILIN	ER LINE NG	KIT KO	KITCHEN KNOCKOUT	SECT SF	SECTION SQUARE FEET	— — START OF TRAVEL DISTANCE	IUIA	DOOR NUMBER	17 PROVIDE SECURE AND PERMANENT AND CEILING MOUNTED ITEMS, SIESMIC REQU		www.clapperstructural.com
CLEAF	R	KPL	KICK PLATE	SHR	SHOWER	← — — END OF TRAVEL DISTANCE			18 PROVIDE FIRE STOPPING AT ALL PENETF	ATIONS OF WALLS AND FLOORS AS	Civil Engineer
	RUGATED METAL PIPE CRETE MASONRY UNIT	L	ANGLE	SHT SHTHG	SHEET SHEATHING	LAD OF TRAVEL DISTANCE	HM-X	FRAME TYPE	SPECIFIED IN SPEC SECTION - FIRESTOP 19 NOT USED.	TING.	The Chazen Companies 547 River Street
CLEAN	N-OUT	LAB	LABORATORY	SIM	SIMILAR	SMOKE PARTITION			20 ALL SUBSTITUTIONS OF MATERIALS AND ARCHITECT IN ACCORDANCE WITH DIVIS		Troy, New York 12180 518.266.7323 office
	BINATION	LAM LAV	LAMINATE LAVATORY	SPCL	SHEET METAL SPECIAL		A	WINDOW TYPE	21 CONTRACTOR IS REQUIRED TO PROVIDE		www.chazencompanies.com
CONC CONN		LB	POUND LINEAR FOOT	SPEC SPKR	SPECIFICATION SPEAKER	EXIT H EXIT IDENTIFICATION			ASSEMBLIES PER SPECIFICATION. 22 CONTRACTOR SHALL PROVIDE ACCESS	O ALL FIRE DAMPERS AND SPRINKLER	Hazardous Materials Consultant
R CONT	RUCTION	LG	LONG, LENGTH	SQ	SQUARE	XXX # OF OCCUPANTS LOAD PER EXIT	A	CURTAIN PANEL TYPE	HEADS. 23 ALL PIPING, DUCTWORK AND CONDUIT TO		Quality Env. Solutions & Technologies,
CONT CORR		LH I I	LEFT HAND LIVE LOAD	SS SST	SERVICE SINK, STANDING SEAM STAINLESS STEEL	XX EXIT CLEAR WIDTH IN INCHES			OTHERWISE.		1376 Route 9 Wappingers Falls, New York 12590
CARPI	ET	LLH	LONG LEG HORIZONTAL	ST	STREET	EXIT SIGN	A0i	WALL TYPE		ES AND EQUIPMENT SHALL BE REPAIRED OR	845.298.6031 office www.qualityenv.com
	ITER SUNK MIC TILE	LLV LPT	LONG LEG VERTICAL LOW POINT	STD STOR	STANDARD STORAGE				REPLACED BY CONTRACTOR AS REQUIR 25 SITE SURVEY IS PROVIDED BY OTHERS A	ED BY THE OWNER'S REP.	SED CONTROL MUNICIPAL
CUBIC		LT	LIGHT	STRUCT	STRUCTURAL		LEVEL 100'-0"	ELEVATION	ALL CONDITIONS TO BE FIELD VERIFIED	Y CONTRACTOR.	YHS - #66-24-02-06-0-005-028
	C FEET WATER PIPING	LT WT LVR	LIGHTWEIGHT LOUVER	SUSP SV	SUSPENDED SHEET VINYL	ADA 5' TURNING RADIUS	100:-0"		26 CONTRACTOR SHALL MAINTAIN SITE DRA 27 CONTRACTOR SHALL MAINTAIN A CLEAN	INAGE DURING CONSTRUCTION. AND SECURE SITE AS REQUIRED BY DIVISION	MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022
				SW	SWITCH				1 - CONSTRUCTION FACILITIES AND TEMI 28 VERIFY THE FOLLOWING WITH THE RESF	ORARY CONTROLS.	MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020
DEEP, DOUB	, DEPTH BLE	MATL MAU	MATERIAL MAKE-UP AIR UNIT	SWR SYMM	SEWER SYMMETRICAL		(X'- XX"	CEILING HEIGHT (AFF)	A. SIZES AND LOCATIONS FOR BACKING/	ECTIVE TRADES: BLOCKING REQUIRED FOR MOUNTING MECH.	F
DEMO	DLISH	MAX	MAXIMUM	SYS	SYSTEM	ACCEESSIBLE ROUATE WHEN DIVIDER CURTAINS ARE CLOSED			AND/OR ELEC. EQUIPMENT B. SIZES AND LOCATIONS OF MECH. AND		STERED ARCHITO
DEPAI DETAI	RTMENT IL	MB MECH	MACHINE BOLT MECHANICAL	Т	TREAD				C. CUTTING AND PATCHING FOR WORK F 29 HOT WATER LINES AND DRAIN LINES UNI		A STANTON
DRINK	KING FOUNTAIN	MED	MEDIUM, MEDICAL	T&G	TONGUE AND GROOVE	ACCESSIBLE ROUTE WHEN BLEACHERS ARE OPEN			INSULATED. 30 NOT USED.		ARA ARA
DIAME DIAGO		MEMB MEZZ	MEMBRANE MEZZANINE	TEL	TRENCH DRAIN TELEPHONE		A — H —	COLUMN GRID	31 PROVIDE SEISMIC SPLAY WIRES & PROV	DE COMPRESSION STRUTS FOR ACOUSTICAL	022313
DIMEN	NSION	MFR	MANUFACTURER	TERR	TERRAZZO	RECESSED FIRE EXSTINGUISHER CABINET (FEC)		COLUMN GRID	TILE & GYP BD SUSPENSION SYSTEMS. 32 ALL CONSTRUCTION SHALL COMPLY TO	RESPECTIVE SEISMIC REQUIREMENT SEE	EOFNEW
DISPE DAMP	PROOFING	MH MIN	MANHOLE MINIMUM	THK TK BD	THICK(NESS) TACKBOARD	SURFACE MOUNTED FIRE EXSTINGUISHER CABINET (FEC)			STRUCT DRAWINGS FOR SEISMIC CHARA	CTERISTICS.	// 5
DOOR	R NSPOUT	MISC MM	MISCELLANEOUS MILLIMETER	TMPD	TEMPERED TOP OF				33 EXPOSED ENDS OF ALL PROJECTING ELI COMPONENTS FABRICATED IN METAL, S		E
DRAW		MO	MASONRY OPENING	TOB	TOP OF BEAM	CEILING PLAN LEGEND		REVISION	FINISHED SAME AS FACE. 34 NOT USED.		Yorkt
EAST		MOD MR	MODIFY MOISTURE-RESISTANT	TOC TOC	TOP OF CURB/TOP OF CONCRETE TOP OF CURB			KEVIOLON	35 ALL MATERIAL PROCUREMENT AND DELI	/ERY SHALL BE COMPLETE PRIOR TO START	CENTRAL SCHOOL
EACH		MTD	MOUNTED	TOD	TOP OF DECK		_1		OF CONSTRUCTION.		
EACH FXT II	FACE NSULATION AND FINISH SYSTEM	MTL MVBL	METAL MOVABLE	TOF TOM	TOP OF FOOTING TOP OF MASONRY		VVV	MILLWORK COLINITEDTOR/SDLASH	MATERIAL LE	oene.	DISTRICT WIDE
EXPA	NSION JOINT			TOP	TOP OF PARAPET/TOP OF PAVEMENT		$\left(\begin{array}{c} xxx \\ xxx \end{array}\right)$	MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS	MATERIAL LE	JENU	DISTRICT WIDE IMPROVEMENTS 20
ELEVA ELECT	ATION TRIC(AL)	N NA	NORTH NOT APPLICABLE	TOS TOW	TOP OF STEEL TOP OF WALL						PHASE II
ELEVA	ATOR	NEUT	NEUTRAL	TPD	TOILET PAPER DISPENSER	SUSPENDED ACOUSTICAL CEILING: 1'X1', 2'X2', & 2'X4' SYSTEMS	f	ACCESSIBLE BOOMS WITH	 	 	D
	RGENCY EOF SLAB	NFPA NIC	NATIONAL FIRE PROTECTION ASSOC. NOT IN CONTRACT	TTB TV	TELEPHONE TERMINAL BOARD TELEVISION	TAT, ZAZ, WZAT OTOTEWO	5	ACCESSIBLE ROOMS WITH MOBILITY FEATURES	EARTH	RIGID INSULATION	Yorktown High Sch
EQUA	L	NO NO	NUMBER	TYP	TYPICAL	GYPSUM WALLBOARD, CEMENT OR GYP PLASTER			<u> </u>		2727 Crompond Ro
EQUIF ESTIM		NOM NRC	NOMINAL NOISE REDUCTION COEFFICIENT	UBC	UNIFORM BUILDING CODE	UN GIFFLAGIER					Yorktown Heights, 10598
ETCE	TERA	NTS	NOT TO SCALE	UGND	UNDERGROUND			NORTH ARROW	GLASS	BATT INSULATION	10090
EACH ELECT	WAY TRIC WATER COOLER	OA	OVERALL	UL UNFIN	UNDERWRITERS' LABROATORY UNFINISHED	EXPOSED STRUCTURE				BATT INCODATION	REVISIONS
EXCA	VATE(ION)	OC	ON CENTER	UNO	UNLESS NOTED OTHERWISE						No. Description
EXHAI EXIST		OD OF	OUTSIDE DIAMETER OUTSIDE FACE	UR	URINAL	EXISTING TO REMAIN			AGGREGATE BASE	100007104 74451	2 Soconpuon
EXPA	NSION	OF/CI	OWNER FURNISH/CONTRACTOR INSTALL	V	VENT				AGGREGATE BASE COURSE	ACOUSTICAL PANEL	C
T EXPAI EXTER	NSION BOLT RIOR	OF/OI OFC	OWNER FURNISH/OWNER INSTALL OFFICE	VB VCP	VAPOR BARRIER VITRIFIED CLAY PIPE	SUPPLY DIFFUSER					
		ОН	OVERHANG	VCT	VINYL COMPOSITION TILE	SUPPLY DIFFUSER			SAND, MORTAR, GYP		
	ALARM ALARM CONTROL PANEL	OPH OPNG	OPPOSITE HAND OPENING	VERT VEST	VERTICAL VESTIBULE	SUFFLI DIFFUSER			SAND, MORTAR, GYP BD, GROUT, PLASTER	PLYWOOD, OSB	
FLOOF	R CLEAN-OUT	OPP	OPPOSITE	VIF	VERIFY IN FIELD	RETURN AIR GRILLE				X1111111111111111111111111111111111111	
	R DRAIN IDATION	ORD	OVERFLOW ROOF DRAIN	VTR VWC	VENT THROUGH ROOF VINYL WALL COVERING						
FIRE E	EXTINGUISHER	PAR	PARALLEL PARTICI EROARD	167		RETURN REGISTER			CONCRETE	FINISH WOOD	
	EXTINGUISHER CABINET HED FLOOR ELEVATION	PBD PC	PARTICLEBOARD PIECE	W W/	WEST, WIDE(TH), WASTE WITH	EXHAUST GRILLE					В
FIREH	OSE CABINET	PCC	PRECAST CONCRETE	W/O	WITHOUT						ISSUED: BID ISSUE
FIREH FINISH	HOSE RACK H(ED)	PCF PERF	POUNDS PER CUBIC FOOT PERFORATE(D)	W/W WC	WALL TO WALL WATERCLOSET	FORCE AIR DIFFUSER			CONCRETE MASONRY UNIT	DIMENSIONAL LUMBER,	
l FLASH	HING	PERIM	PERIMETER	WD	WOOD	OLV ALLIQUE ENTURE			MASONRY UNIT	CONTINUOUS	DATE : 10/25/2021
FLEXII FLOOF		PERP PL	PERPENDICULAR PROPERTY LINE	WDW WGL	WINDOW WIRE GLASS	2' X 4' LIGHT FIXTURE					SCALE: As indicated
FLUOF	RESCENT	PLAM	PLASTIC LAMINATE	WH	WALL HUNG, WATER HEATER	EXIT SIGN				DIMENSIONAL LUMBER	SHEET NAME:
	ORY MUTUAL OF WALL	PLAS PLBG	PLASTER PLUMBING	WI WP	WROUGHT IRON WATERPROOF				BRICK	BLOCKING	GENERAL NOTES /
FIREP	PROOF	PLF	POUNDS PER LINEAR FOOT	WR	WATER RESISTANT	ACCESS PANEL (ACS)					ABBREVIATIONS / LEGENDS AND SYMBO
	RETARDANT RGLASS REINFORCED PANEL	PLYWD PNL	PLYWOOD PANEL	WS WSCT	WEATHERSTRIP WAINSCOT						
FOOT,	, FEET	PR	PAIR	WT	WEIGHT	C CAMERA			STEEL	EXISTING	SHEET NUMBER:
FURR		PREFAB PREFIN	PREFABRICATED PREFINISHED	WW	WASTEWATER	S INTERCOM SPEAKER					G-031
FUTUF		—				(3) INTERCONTOL CARER					







GENERAL NOTES 1. ALL ROOFING WORK IS BY THE MC INCLUDING ROOF CUTS, STEEL SUPPORTS/ANGLES, ROOFING, UNLESS OTHERWISE NOTED. 2. MC SHALL COORDINATE AND PATCH ALL PENETRATION LOCATIONS AND SIZING. 3. MC SHALL VERIFY ALL CURB REQUIREMENTS PRIOR TO ANY DEMOLITION. COORDINATE WITH STRUCTURAL AND ROOFING AS 4. MC SHALL USE A ROOFING SUBCONTRACTOR WHO IS CERTIFIED TO WORK WITH THE EXISTING ROOF MANUFACTURER TO 5. PATCHING AND FINISH MAY BE REQUIRED BY BOTH MC AND GC. BOTH PRIMES SHALL REFER TO THE SCOPE OF WORK AND ALL A AND M DRAWINGS AND COORDINATE ACCORDINGLY.



TYPICAL ROOF ASSEMBLY 1 1/2" = 1'-0"

EXIST. BRICK WALL

STRUCTURE

1" = 1'-0"

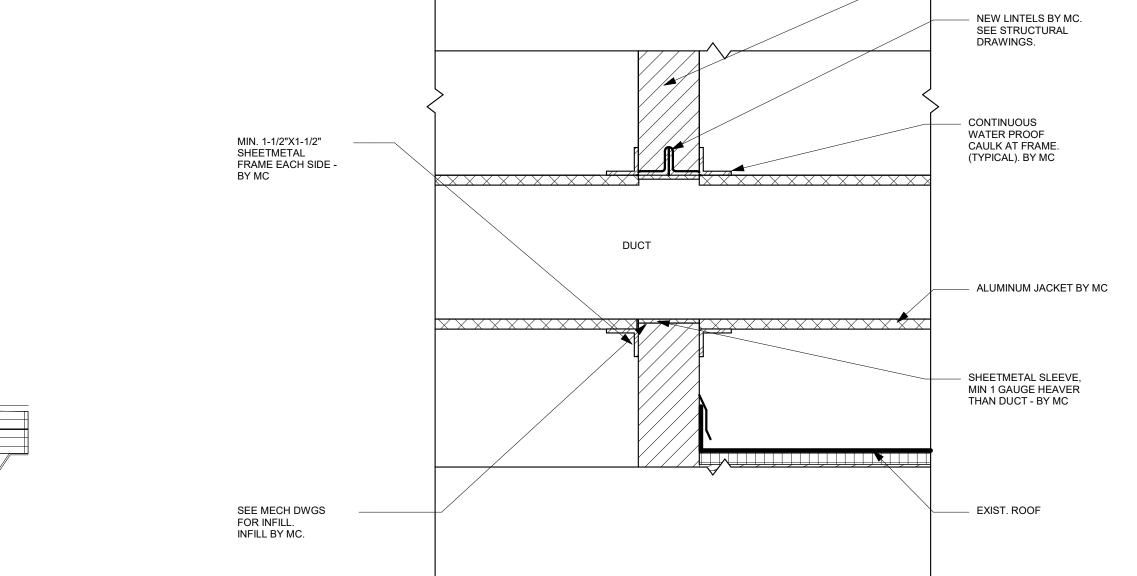
3. REFER TO SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.

4. PAINT FINISH SCHEDULE APPLIES TO ALL PRIME CONTRACTS. 5. PAINT COLORS MAY DIFFER FROM THOSE LISTED IN FINISH SCHEDULE. ARCHITECT AND OWNER WILL MAKE FINAL SELECTIONS PER EACH LOCATION FROM THE MANUFACTURER STANDARD AND PREMIUM SELECTION. 6. EXISTING SURFACES SCHEDULED TO REMAIN WITHIN THE AREA OF WORK INCLUDING, BUT MAY NOT BE LIMITED TO, DOOR FRAMES, WALLS, INTERIOR WINDOW FRAMES, COLUMN ENCLOSURES, SOFFITS, ETC. SHALL BE PAINTED TO MATCH THE

12

12

SIMILAR EXISTING ADJACENT PAINTED SURFACE, OR AS DIRECTED BY ARCHITECT AND OWNER IN THE FIELD. 7. EXITING WALL MOUNTED ART WORK THAT CANNOT BE REMOVED INCLUDING, BUT MAY NOT BE LIMITED TO, MURALS, ARTWORK FRAMES, AND SIMILAR, SHALL BE PROTECTED.



WALL DUCTING PENETRATION DETAIL

ROOF CURB DETAIL 1 1/2" = 1'-0"

> UNCURED EPDM ELASTOFORM

EPDM MEMBRANE

SPLICING CEMENT

FLASHING

SEE TYPICAL DETAIL

CONSTRUCTION 1K/G-050

SEALING MATERIAL

SPLICING CEMENT

LAP SEALANT

REFER TO STRUCTURAL DWGS FOR STEEL REINFORCEMENT DETAILS

EXIST. FRAMING

MTL FLASHING RECEIVER

MTL COUNTER FLASHING

MTL CURB ASSEMBLY BY MC. GC TO INSTALL

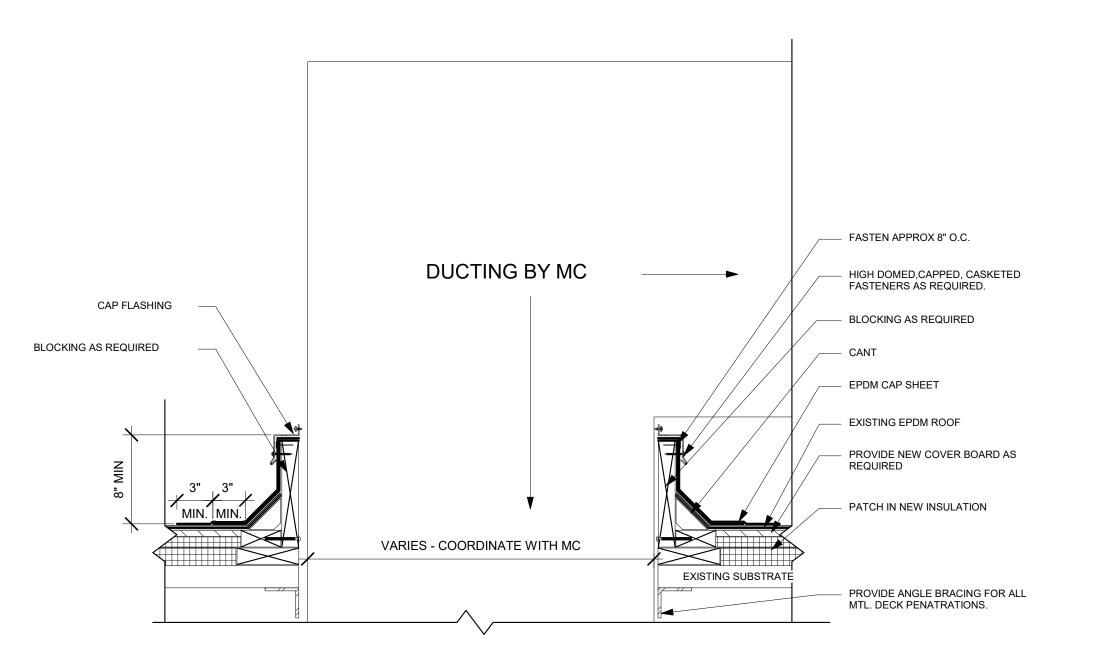
FLASHING MEMBRANE (ADHERED TO CURB)

PT WOOD NAILER

POURABLE SEALER

3" MIN.

METAL PITCH POCKET



PITCH POCKET DETAIL 1 1/2" = 1'-0"

- EXISITNG SUBSTRATE

PENETRATIONS BY MC

ENCLOSURE FOR ROOF DUCT PENATRATION 1 1/2" = 1'-0"

NEW YORK OKLAHOMA NORTH CAROLINA

ARCHITECT

215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Owner Yorktown Central School District 2727 Crompond Road Yorktown Heights, NY 10598 914 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

518 690 0046

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305

Structural Engineer Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer

The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

Hazardous Materials Consultant

Quality Env. Solutions & Technologies, Inc. 1376 Route 9 Wappingers Falls, New York 12590 845.298.6031 office www.qualityenv.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE **IMPROVEMENTS 2020** PHASE II

Yorktown High School 2727 Crompond Road Yorktown Heights, NY 10598

REVISIONS					
No.	Description	Date			
ISSUED:	BID ISSUE	I			

10/25/2021 SCALE: As indicated

SHEET NAME:

ROOFING & WALL EQUIPMENT PENETRATION DETAILS & FINISH SCHEDULE

SHEET NUMBER:

G-050

STRUCTURAL DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS: A) 2015 INTERNATIONAL BUILDING CODE WITH NEW YORK STATE SUPPLEMENT. B) ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE C) AISC, MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, 14TH ED.

13

11

10

1. DEAD LOADS SELF WEIGHT + FLOORS: 15 PSF CEILING: 10 PSF

RTU-3: 6265 LBS 2. SEISMIC RISK CATEGORY: III

> SEISMIC IMPORTANCE FACTOR: 1.25 Ss: 0.251g S1: 0.071g SITE CLASS: C (FROM GEOTECH REPORT) Sds: 0.201g Sd1: 0.080g

14

SEISMIC DESIGN CATEGORY: B

3. WIND LOADS BASIC WIND SPEED: 115 MPH (3-second gust) RISK CATEGORY: III EXPOSURE CATEGORY: B INTERNAL PRESSURE COEFFICIENT (GCpi): ±0.18

4. SNOW LOADS GROUND SNOW LOAD: 30 PSF SNOW EXPOSURE FACTOR: 1.0 THERMAL FACTOR: 1.0 SNOW LOAD IMPORTANCE FACTOR: 1.0 MINIMUM FLAT ROOF SNOW LOAD: 21 PSF DESIGN FLAT ROOF SNOW LOAD: 30 PSF

GENERAL INFORMATION:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

"LOADS" INDICATED ON THIS DRAWING ARE THOSE FOR THE DESIGN OF THE BUILDING SUPERSTRUCTURE

- 1. ALL DETAILS MARKED "TYPICAL" IN THE SET OF STRUCTURAL DRAWINGS SHALL BE APPLIED THROUGHOUT THE PROJECT AS REQUIRED TO SATISFY THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL COORDINATE REQUIREMENTS FOR QUANTITY AND LOCATION WHERE THE "TYPICAL" DETAILS APPLY.
- 2. FAILURE ON THE PART OF THE CONTRACTOR TO REVIEW THE DRAWINGS OF OTHER DISCIPLINES (i.e. ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC.) TOGETHER WITH THE FULL EXTENT OF THE PROJECT SPECIFICATIONS DOES NOT RELIEVE THEM OF THE RESPONSIBILITY TO FURNISH AND INSTALL ITEMS THAT ARE PART OF THEIR WORK AS INDICATED BY THE DRAWINGS AND SPECIFICATIONS OF OTHER TRADES. ALL STRUCTURAL TRADE CONTRACTORS AND SUB-CONTRACTORS ARE PROHIBITED FROM EXCLUDING STRUCTURAL WORK FROM THEIR CONTRACT NOT SHOWN IN THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL GENERAL NOTES

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE A.I.S.C. STEEL CONSTRUCTION MANUAL 14TH EDITION.
- 2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS.

LLOWING SI LCII	ICATIONS.			
MEMBER	A.S.T.M.		MIN. STRENGTH	
ROLLED SHAPES)	A992	50	KSI
PLATES, CHANN	ELS, & ANGLES	A36	36	KSI
CONNECTION B	OLTS	A325	92	KSI
ANCHOR BOLTS		F1554		•
THREADED BOL	TS	A36	36	KSI
NON-SHRINK G	ROUT	C1107	8,0	000

- 3. WELDING SHALL BE IN ACCORDANCE WITH A.W.S. D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER A.I.S.C. REQUIREMENTS. FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 K.S.I.
- 4. MOMENT CONNECTIONS DENOTED THUS (▶) ON PLAN. SEE TYPICAL DETAILS.
- 5. HOLES IN STEEL BEAMS SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.
- 6. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETE CONDITION, AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, FRAMING, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

SPECIAL INSPECTION SCHEDULE: FABRICATORS					
VERIFICATION AND INSPECTION TASK	APPLICABLE FREQUEI				
VERIFICATION AND INSPECTION TASK	TO THIS PROJECT	CONTINUOUS	PERIODIC		
1. VERIFY FABRICATION AND IMPLEMENTATION PROCEDURES:	-	-	Χ		
A. STEEL CONSTRUCTION	-	-	Χ		
B. CONCRETE CONSTRUCTION (INCLUDING REBAR FABRICATION)	-	-	Χ		
C. WOOD CONSTRUCTION	NA	-	Χ		
D. COLD FORMED METAL CONSTRUCTION	-	-	Χ		
E. OTHER CONSTRUCTION	-	-	Χ		

	APPLICABLE	FREQUENCY	
VERIFICATION AND INSPECTION TASK	TO THIS PROJECT	CONTINUOUS	PERIODIC
MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	-	Х
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	-	Х
2. INSPECTION OF HIGH STRENGTH BOLTING.			
A. SNUG-TIGHT JOINTS.	-	-	X
B. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN-OF-NUT	NIA		Х
WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	NA	-	Χ
C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING		.,	
TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	NA	X	-
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS			
SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	-	-	X
AND AISC360			
B. MANUFACTURER'S CERTIFIED TEST REPORTS.	-	-	Х
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS.			
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS			
SPECIFICATION IN THE APPROVED CONSTRUCTION	-	-	X
DOCUMENTS.			
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	-	X
5. INSPECTION OF WELDING, STRUCTURAL STEEL:			
A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	NA	X	
B. MULTIPASS FILLET WELDS	NA	X	-
C. SINGLE-PASS FILLET WELDS > $\frac{5}{16}$ "	NA	X	-
D. SINGLE-PASS FILLET WELDS (< OR =) $\frac{1}{16}$ "	-	-	Х
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE			
WITH APPROVED CONSTRUCTION DOCUMENTS.			
A. DETAILS SUCH AS BRACING AND STIFFENING	-	-	X
B. MEMBERS LOCATIONS	-	-	Χ
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	_	-	X

NOTE: ALL STRUCTURAL STEEL WORK BY MECHANICAL CONTRACTOR

ARCHITECT

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Yorktown Central School District 2725 Crompond Road Yorktown Heights, NY 10598 914 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305 518.690.0046 office

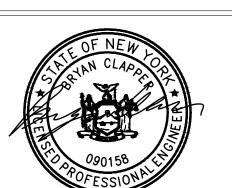
Structural Engineer

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

SED CONTROL NUMBERS YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027

CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE **IMPROVEMENTS 2020**

Yorktown High School 2725 Crompond Road Yorktown Heights, NY 10598

REVIS	REVISIONS						
No.	Description	Date					

ISSUED: BID ISSUE 11/02/2020

DATE: **SCALE:** AS SHOWN

SHEET NAME:

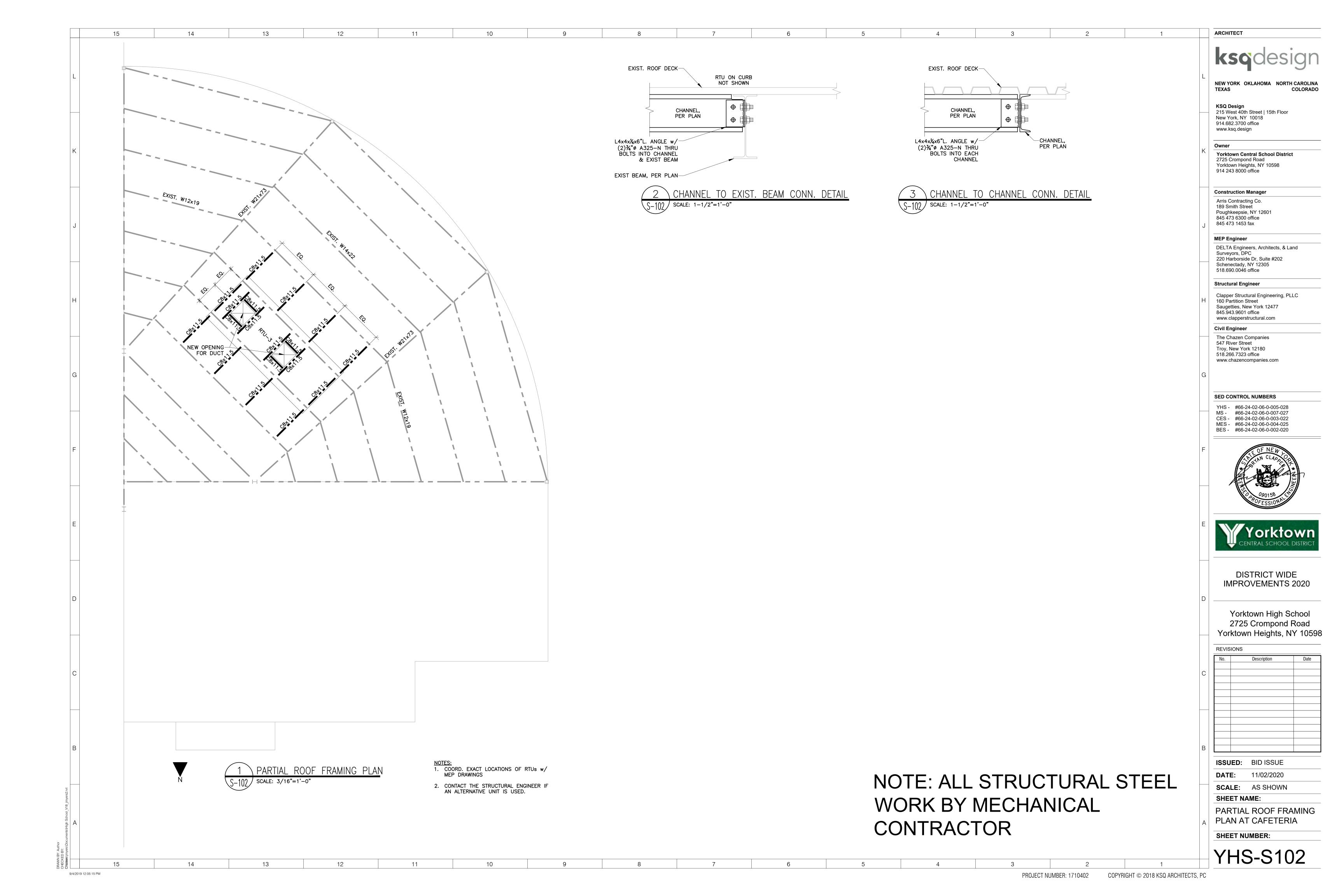
STRUCTURAL NOTES AND SPECIAL INSPECTIONS

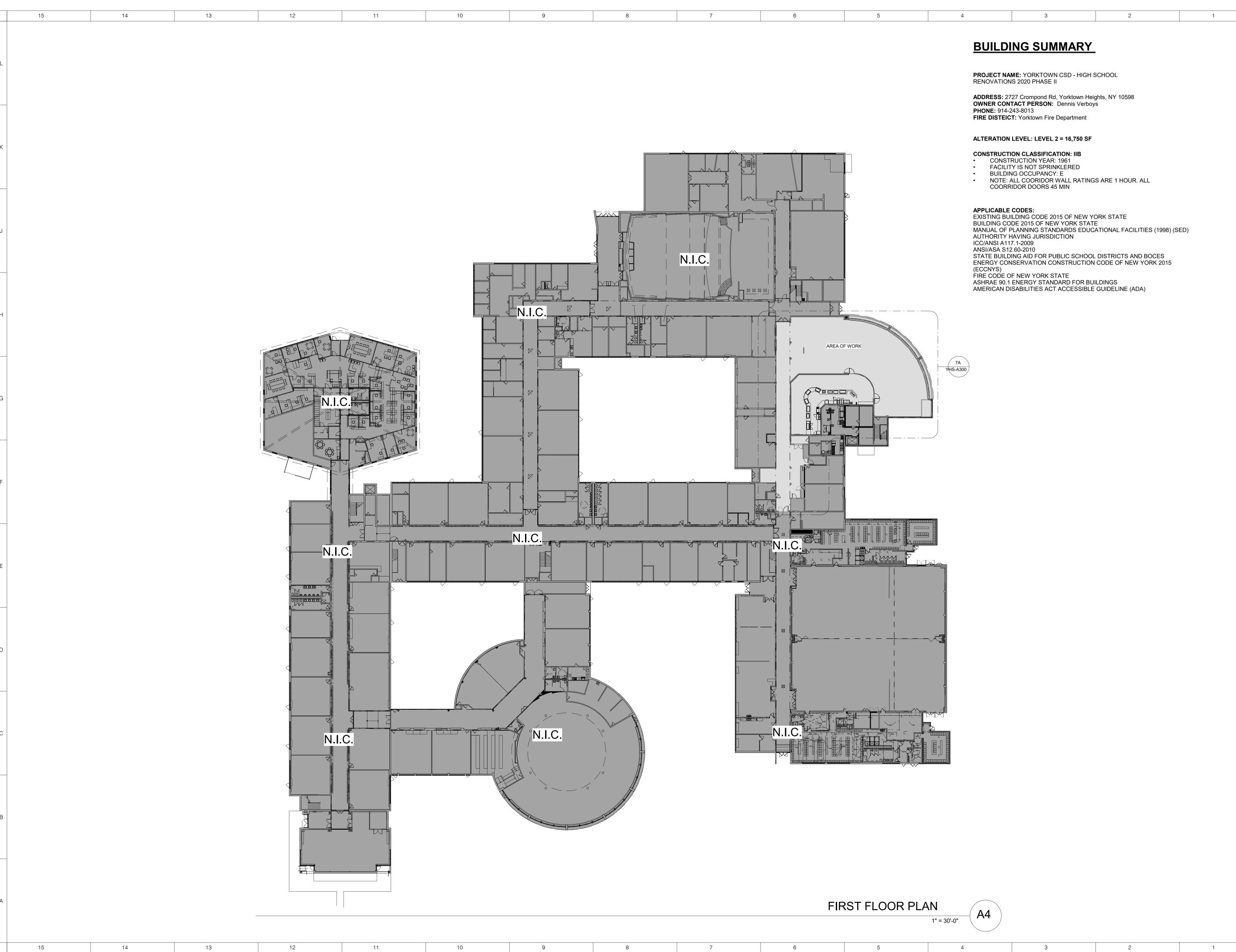
SHEET NUMBER:

YHS-S001

9/4/2019 12:05:15 PM

PROJECT NUMBER: 1710402





ARCHITECT

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Owner

Yorktown Central School District Yorktown High School 2727 Crompond Road Yorktown Heights, NY 10598 914 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

518 690 0046

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305

Structural Engineer

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer

The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

Hazardous Materials Consultant

Quality Env. Solutions & Technologies, Inc. 1376 Route 9 Wappingers Falls, New York 12590 845.298.6031 office www.qualityenv.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

Yorktown High School 2727 Crompond Road Yorktown Heights, NY 10598

REVISIONS Description **BID ISSUE** ISSUED:

10/25/2021

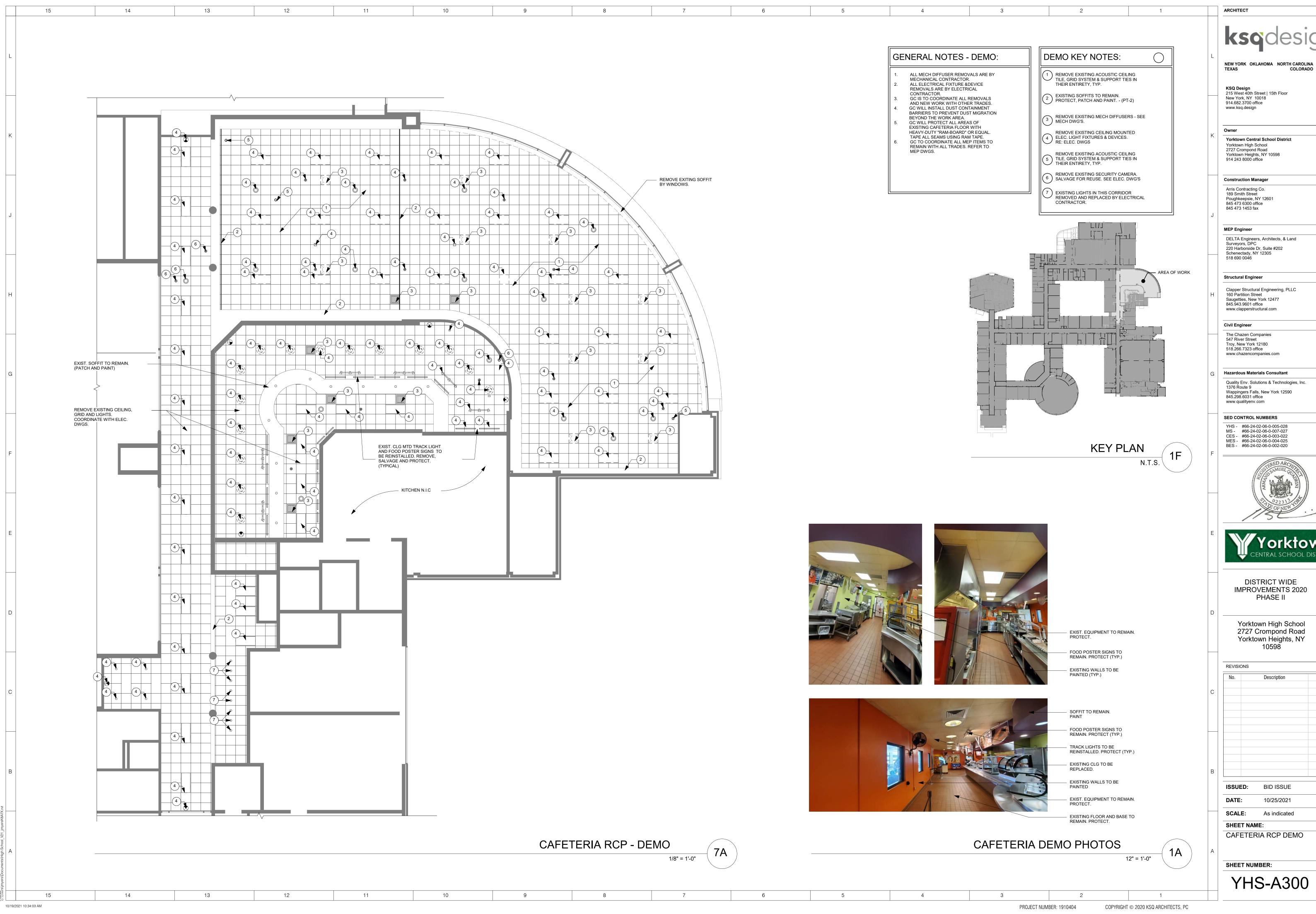
SCALE: As indicated

SHEET NAME:

OVERALL FLOOR PLAN & **BUILDING SUMMARY**

SHEET NUMBER:

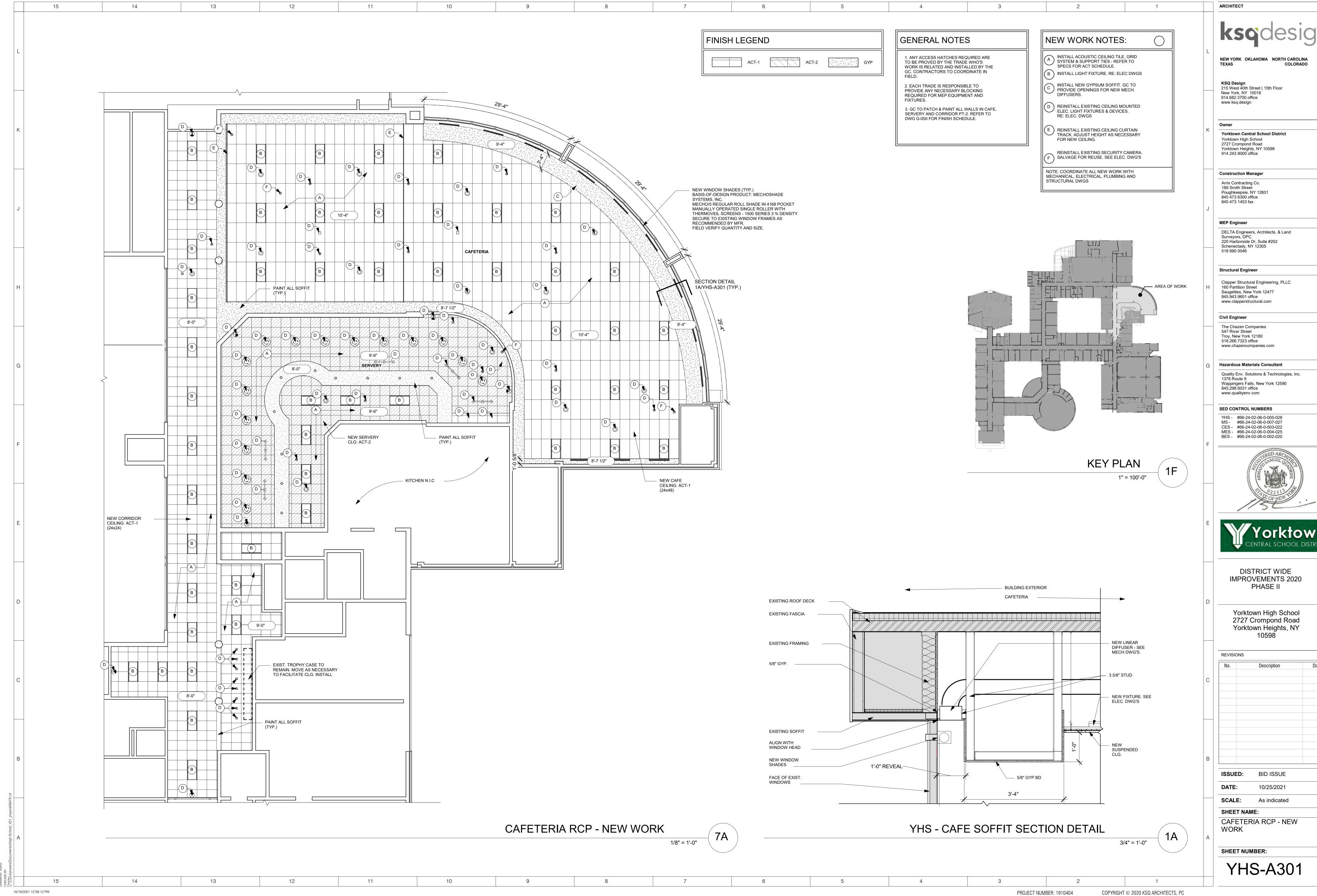
YHS-A100







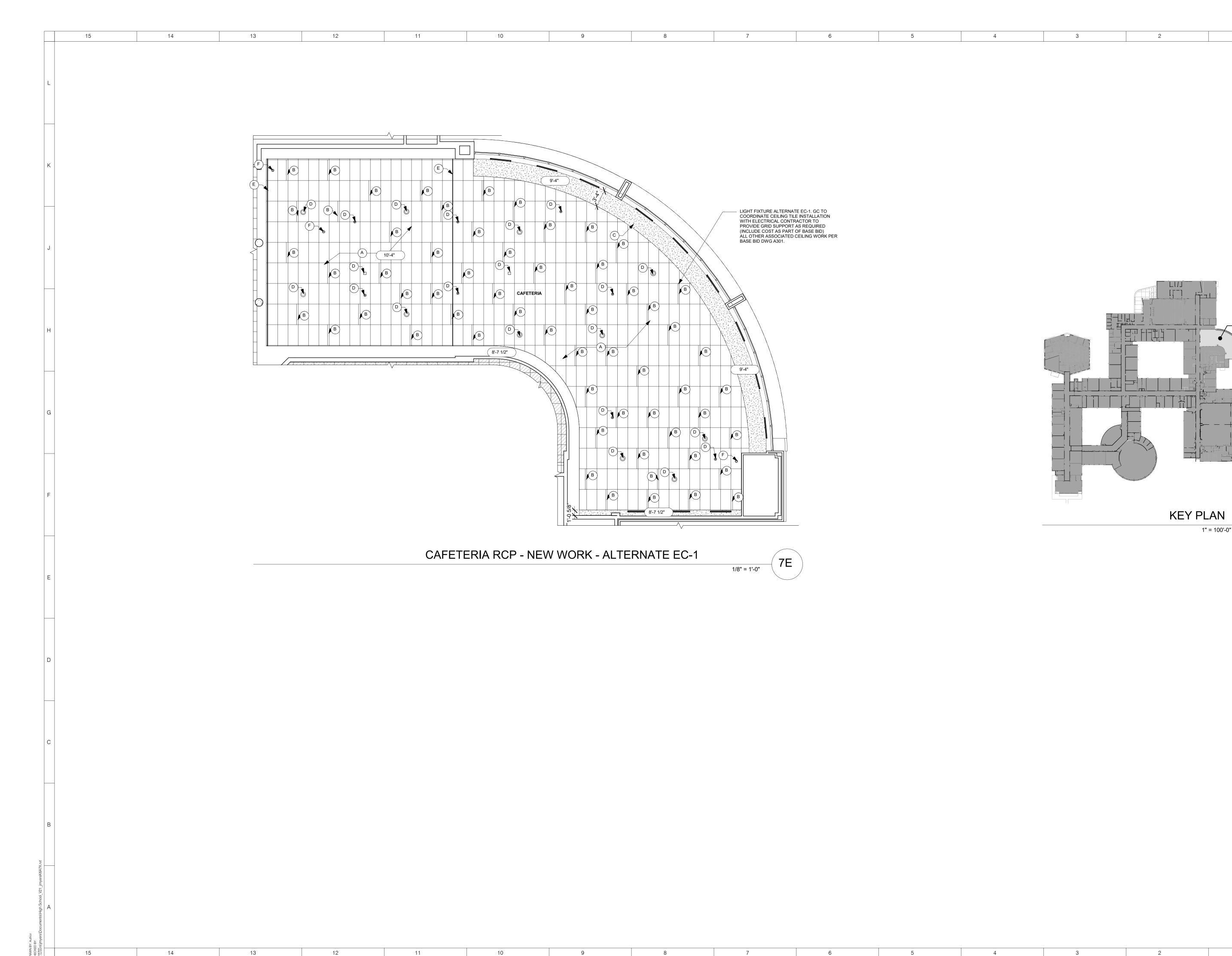
No.	Description	Date







No.	Description	Date
SSUED:	BID ISSUE	



NEW YORK OKLAHOMA NORTH CAROLINA TEXAS COLORADO

ARCHITECT

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Yorktown Central School District Yorktown High School 2727 Crompond Road Yorktown Heights, NY 10598 914 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

AREA OF WORK

1" = 100'-0"

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305 518 690 0046

Structural Engineer

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer

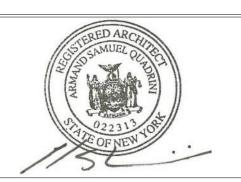
The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

Hazardous Materials Consultant

Quality Env. Solutions & Technologies, Inc. 1376 Route 9 Wappingers Falls, New York 12590 845.298.6031 office www.qualityenv.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

Yorktown High School 2727 Crompond Road Yorktown Heights, NY 10598

No.	Description	Dat

DATE: 10/25/2021 SCALE: As indicated

SHEET NAME: CAFETERIA RCP - NEW

WORK - ALTERNATE EC-1

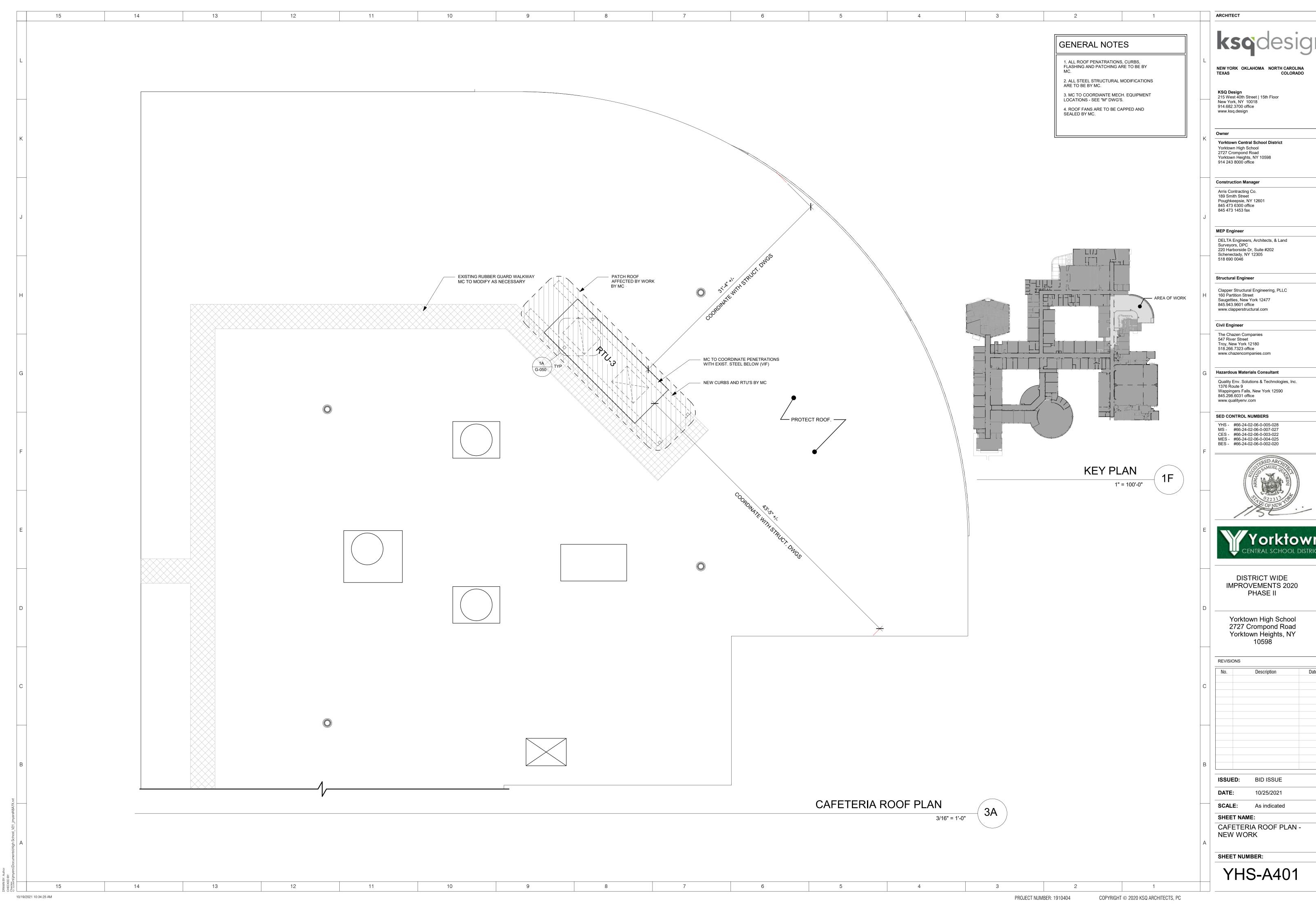
SHEET NUMBER:

YHS-A301A

10/19/2021 10:34:19 AM

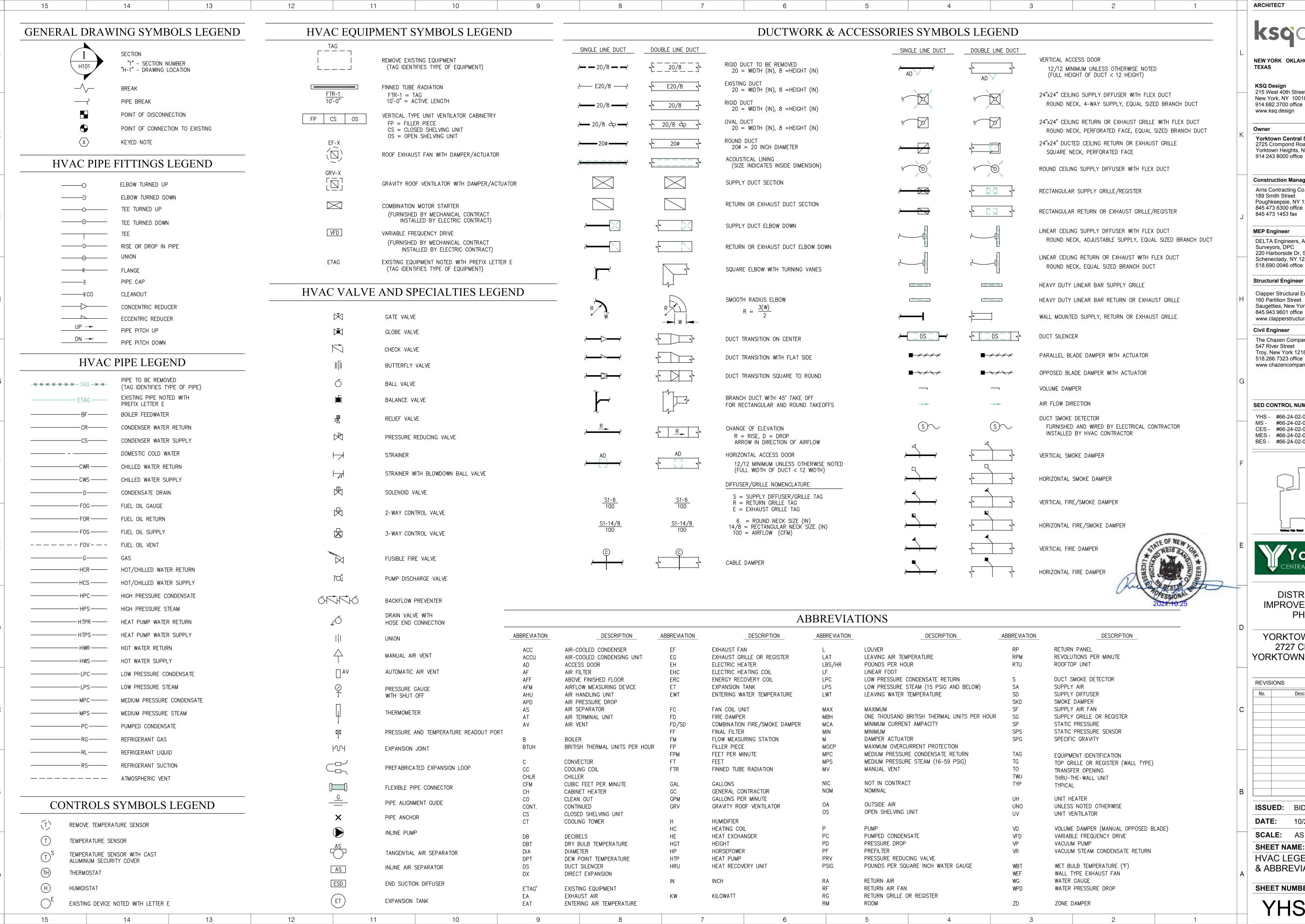
PROJECT NUMBER: 1910404

COPYRIGHT © 2020 KSQ ARCHITECTS, PC





No.	Description	Date
IVU.	Description	Date
SSUED:	BID ISSUE	



NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Owner **Yorktown Central School District** 2725 Crompond Road Yorktown Heights, NY 10598

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer DELTA Engineers, Architects, & Land Surveyors, DPC

220 Harborside Dr, Suite #202 Schenectady, NY 12305 518.690.0046 office

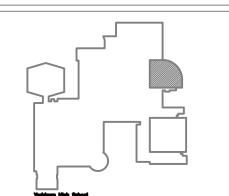
Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer The Chazen Companies 547 River Street Troy, New York 12180

518.266.7323 office www.chazencompanies.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

YORKTOWN HIGH SCHOOL 2727 CROMPOND RD. YORKTOWN HEIGHTS, NY 10598

REVISIONS Date Description **ISSUED:** BID ISSUE

10/25/2021 DATE: **SCALE**: AS NOTED

SHEET NAME: HVAC LEGENDS, SYMBOLS & ABBREVIATIONS

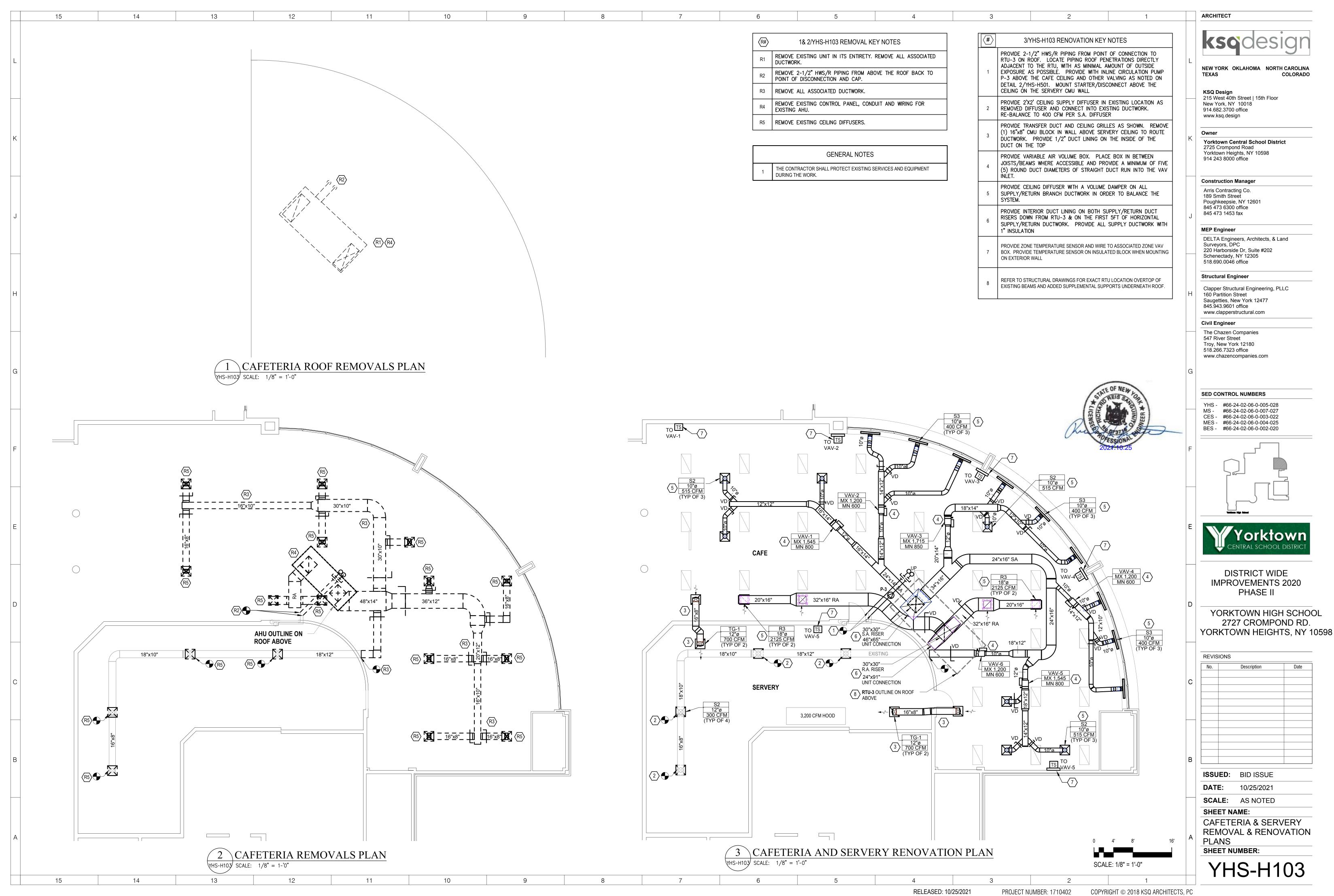
SHEET NUMBER:

COPYRIGHT © 2018 KSQ ARCHITECTS, PC

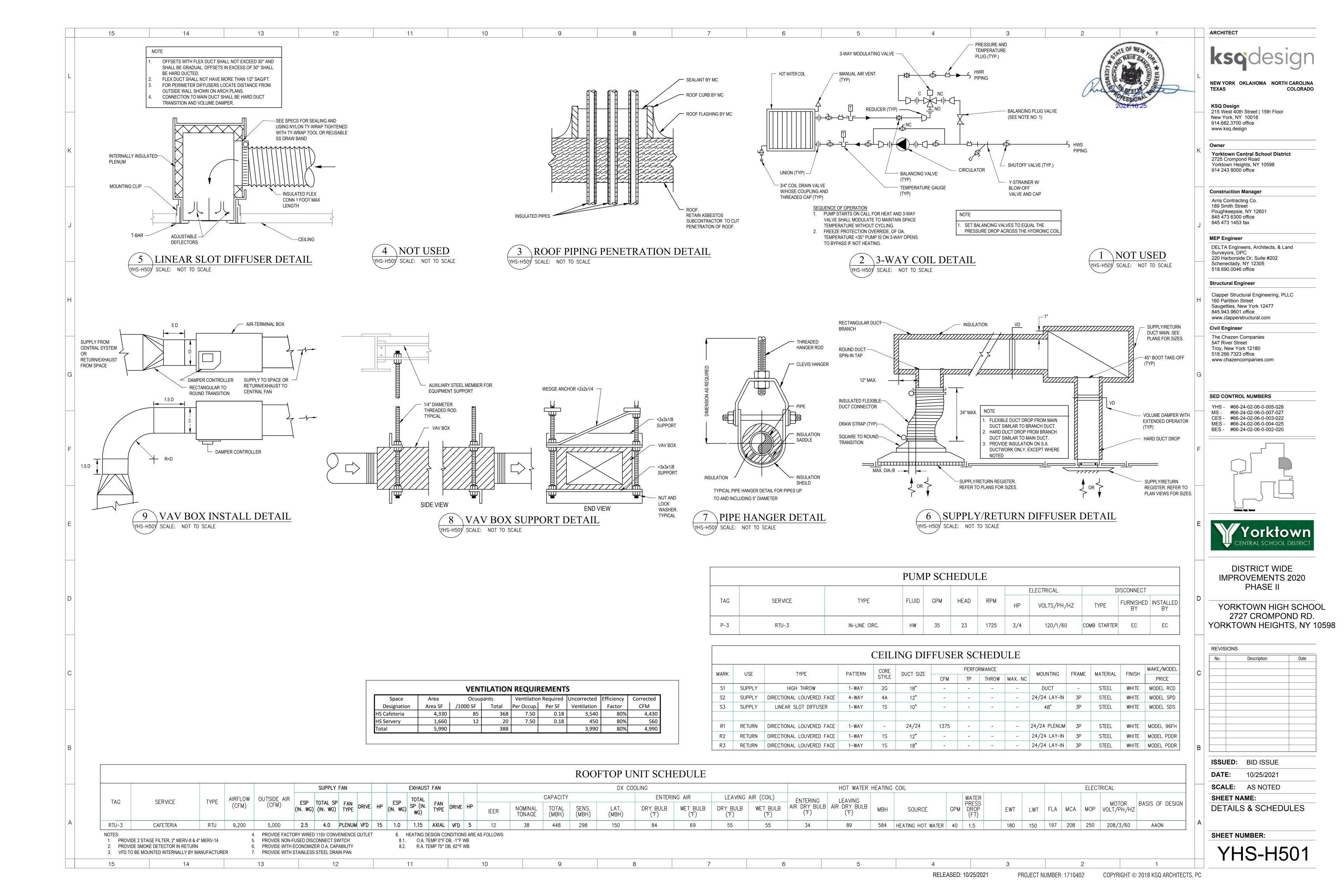
RELEASED: 10/25/2021

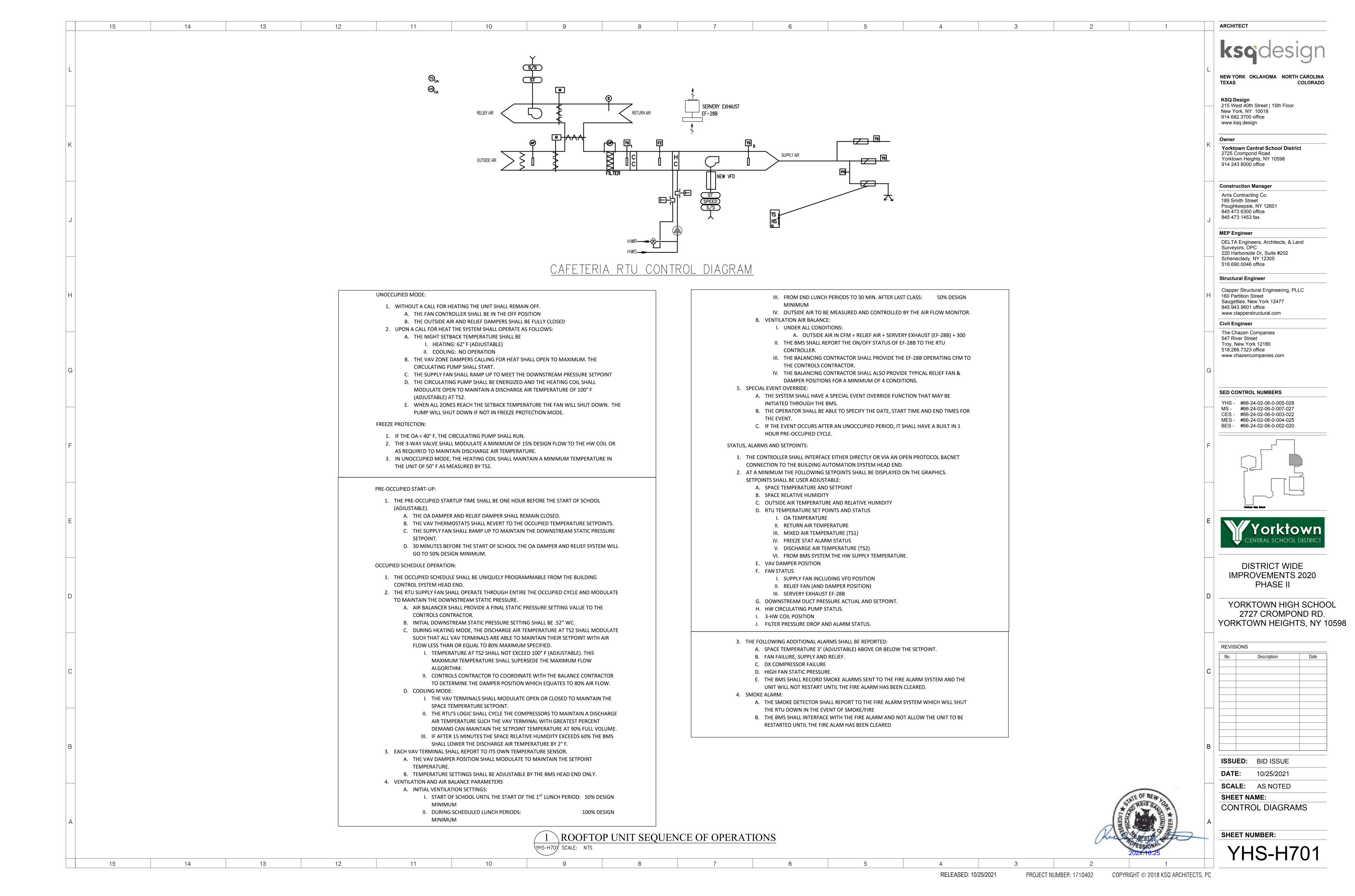
PROJECT NUMBER: 1710402

YHS-H001









	15	14		13		12		11
-				LIGHT	ING			
		O L*	CEILING MOUNTED NUMERAL INDICATE ON DRAWING YHS-	S FIXTURE TYPE (
1		L*	CEILING RECESSI -CAPITAL LETTE TYPE -(REFER I	ED LED 4Ft. LIN R AND NUMERA TO LIGHTING FIX	L INDICATES	FIXTURE		
		ES 🕏	DRAWING YHS-E CEILING OR WALL N NUMERAL INDICATE EXIT PATH -SHADII	MOUNTED EXIT SIG S FIXTURE TYPE -	-ARROW INDICAT	ES DIRECTION O		
		₩¸∰ •	FIXTURE SCHEDULE	ON DRAWING YHS	S-E500)(2)			
		\$ _{L3} \$ _{L6}	ACUITY nPODM DX	OR APPROVED EC TE BUTTON STATIO	QUAL. (5)			TTONS
			ACUITY nPODM 2P ACUITY nLIGHTING	DX OR APPROVED	EQUAL. 5			
		LC	SEE DETAILS ON D	RAWINGS YHS-E50	00 FOR WIRING F	REQUIREMENTS.		
			SEE DETAILS ON D	RAWINGS YHS-E50	O FOR WIRING R	REQUIREMENTS.	TDC IND	
		← EM*	WALL MOUNTED EM NUMERAL INDICATE DRAWING YHS-E500	S FIXTURE TYPE. (
$\frac{1}{2}$								
				DENACY	<u>/</u> ΔΙ C			
i				REMOV	ALS			
		()	JUNCTION BOX					
		[]EUV	UNIT VENTILATO	R				
		┌───ŢERTU └───	ROOFTOP UNIT					
		·O-	DISCONNECT EL SOURCE	ECTRIC TO MOTOR	AND REMOVE II	N ITS ENTIRETY	BACK TO	
		(D)		CT SMOKE DETECT	ΓOR			
		\$	FIRE ALARM SM	OKE DETECTOR				
\downarrow		囝	FIRE ALARM MA	NUAL PULL STATIO	ON			
		Ë	FIRE ALARM CO	MBINATION AUDIO	VISUAL DEVICE			
		$\langle \rangle$	PENDANT CEILIN	IG MOUNTED HID H	HIGHBAY LIGHTIN	G FIXTURE		
		[0]	RECESSED CEILI	NG MOUNTED 2Ft.	x 4Ft. FLUORES	SCENT LIGHTING	FIXTURE.	
		1_1	WALL MOUNTED	EMERGENCY LIGHT	TING BATTERY U	NIT		
		8	CEILING MOUNTE	ED EXIT SIGN				
		⊗	WALL MOUNTED					
		\$ (=\)W	LIGHTING SWITCH					
		(\$\overline{\sqrt{2}}\)\(\text{w}\)	CEILING MOUNTE	ED WIRELESS DATA	ACCESS POINT			
			SECURITY CAME					
		③	PUBLIC ADDRES	S SYSTEM CEILING	SPEAKER			
		N	MOUNTING	G HEIGHT	ΓS			<u> </u>
;		EQUIPMI	OTHERWISE NOT ENT AT HEIGHTS	MEASURED FRO	M FINISHED	-TD		
		BELOW.	TO DEVICE/ EQUI					
		ELEVATI	NATE DEVICE LOC IONS PRIOR TO R STRUCTURAL OR	ROUGH-IN.		_		
1		PREVEN LISTED	IT COMPLIANCE W BELOW, CONSULT PROVAL TO CHAI	VITH MOUNTING OWNER'S REPR	HEIGHTS RESENTATIVE			
			NECT SWITCH HAI	NDLE, UON	48"			
3								
_								

14

13

12

11

10

POWER & SYSTEMS

DISCONNECT SWITCH, RATINGS AS INDICATED ON FLOOR PLANS CONDUIT WITH CONDUCTORS 0 MOTOR (FURNISHED AND INSTALLED BY MC, LINE VOLTAGE WIRING BY EC) BRANCH CIRCUIT HOMERUN TO PANELBOARD. NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. CAPITAL LETTER WITH NUMERALS INDICATE PANEL DESIGNATION AND NUMERAL INDICATES PANEL CIRCUIT BREAKER NUMBER. STANDALONE NUMBER INDICATES PANELBOARD RTU-* HVAC ROOFTOP UNIT, (PROVIDED UNDER MC CONTRACT, LINE VOLTAGE WIRING BY EC) UNIT HAS INTEGRAL 120 VOLT GFCI RECEPTACLE. DISTRIBUTION POWER PANELBOARD DUPLEX RECEPTACLE EXISTING SURFACE MOUNTED PANELBOARD EXISTING RECESS MOUNTED PANELBOARD FACP EXISTING FIRE ALARM SYSTEM CONTROL PANEL. (1) FIRE ALARM DUCT SMOKE DETECTOR WITH 120V ELECTRIC HEATER LOCATED IN HVAC DUCT WORK. FURNISH TO MC FOR INSTALLATION INTO DUCTWORK. ** = EQUIPMENT DESIGNATION. SEE NOTE - (1) MANUAL DISCONNECT SNAP SWITCH FIRE ALARM FAN SHUT-DOWN RELAY (1) FIRE ALARM SMOKE DETECTOR (1) FIRE ALARM MANUAL PULL STATION (1) XXcd 🕰 FIRE ALARM COMBINATION SPEAKER/STROBE DEVICE. SEE NOTE -XXcd = STROBE CANDELA RATING $\langle 1 \rangle$ REINSTALL EXISTING PUBLIC ADDRESS SYSTEM CEILING SPEAKER REINSTALL EXISTING SECURITY CAMERA REINSTALL EXISTING CEILING MOUNTED WIRELESS DATA ACCESS POINT WALL MOUNTED 15" ROUND WIRELESS BRG MASTER CLOCK WALL MOUNTED PUBLIC ADDRESS SYSTEM HORN SPEAKER (3) WALL MOUNTED BUILDING LOCK DOWN VISUAL INDICATOR DEVICE (AMBER COLOR) \(4 \) PRIMARY CODE-CONTROL STATION (FURNISHED BY GC, INSTALLED AND WIRED BY EC) SECONDARY KEY CONTROL STATION (FURNISHED BY GC, INSTALLED AND WIRED BY EC) SP-XFMR VOLTAGE TRANSFORMER (FURNISHED BY GC, INSTALLED AND WIRED BY EC)

GENERAL NOTES - INSTALLATION

1. NEW BRANCH CIRCUITRY SHALL BE INSTALLED ABOVE CEILING WHERE POSSIBLE, AS HIGH AS POSSIBLE.

PIR SENSOR (FURNISHED BY GC, INSTALLED AND WIRED BY EC)

- 2. ALL EQUIPMENT SHOWN ON REMOVALS PLANS SHALL BE REMOVED, UNLESS OTHERWISE NOTED. REMOVE ONLY ASSOCIATED WIRING WITHIN ROOM. ASSOCIATED EXISTING BRANCH CIRCUIT WIRING HOMERUN BACK TO PANEL IN EACH ROOM SHALL REMAIN FOR CONNECTION TO NEW LIGHTING BRANCH CIRCUIT WIRING SHOWN, UNLESS
- COORDINATE ALL CONDUIT RUNS WITH OTHER TRADES PRIOR TO ROUGH-IN. RELOCATE ANY CONDUITS AS NECESSARY TO PERMIT INSTALLATION OF DUCTWORK
- 4. INSTALL ALL CIRCUITING CONCEALED INSIDE WALL CAVITY WHERE EVER POSSIBLE PROVIDE SURFACE MOUNTED BACKBOXES AND RACEWAY FOR WIRING DEVICES LOCATED ON EXISTING SOLID WALL CONSTRUCTION. PROVIDE SHALLOW TYPE BACKBOXES FOR SURFACE MOUNTED POWER AND SWITCHING APPLICATIONS. REFER TO ARCHITECTURAL PLANS FOR WALL TYPES.
- FIRESTOP ALL LOW VOLTAGE SLEEVES AND PENETRATIONS AFTER INSTALLATION OF
- 6. PROVIDE OPEN TOP CABLE HANGERS 4' ON CENTER SUPPORTED TO SUPPORT ALL LOW VOLTAGE CABLING ABOVE ACCESSIBLE CEILINGS. PROVIDE SEPARATE CABLE
- 9. HANGERS FOR FIRE ALARM CABLING. INSTALL ALL EXPOSED CABLES IN EMT CONDUIT OR SURFACE RACEWAY IN FINISHED AREAS.
- 7. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED.
- 8. OBTAIN WIRING AND INSTALLATION DIAGRAMS FOR ALL ELECTRICAL CONNECTIONS TO EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR PRIOR TO ROUGHING. WORK THAT IS NOT PROPERLY COORDINATED WILL BE RELOCATED AT NO COST TO THE

GENERAL NOTES FIRE ALARM

- 1. PROVIDE FAN SHUTDOWN RELAYS FOR ALL FANS OVER 1000 CFM. VERIFY CFM ON MECHANICAL SCHEDULE AND PROVIDE SHUTDOWNS AS REQUIRED.
- 2. PROVIDE MODIFICATIONS AND WIRING REQUIRED TO CONNECT TO EXISTING EDWARDS FIRE ALARM CONTROL PANEL.
- 3. PROVIDE REMOTE TEST SWITCH FOR ALL DUCT MOUNTED SMOKE DETECTORS.
- 4. PROVIDE INDEPENDENT CABLE SUPPORTS FOR FIRE ALARM CABLE
- 5. ALL EXPOSED FIRE ALARM CABLE SHALL BE RUN IN CONDUIT OR SURFACE METAL RACEWAY AND BE INDEPENDENT OF ALL OTHER CABLING. REFER TO FIRE ALARM RISER DIAGRAM YHS-E501.

ABBREVIATIONS

BE	<u>BREVIATION</u>	<u>DESCRIPTION</u>
	AFF AFG AFR AWG	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE ABOVE FINISHED ROOF AMERICAN WIRE GUAGE
	BFG C CB	BELOW FINISHED GRADE CONDUIT CIRCUIT BREAKER
	EAHU EC EGC EXR	EXISTING AIR HANDLING UNIT ELECTRICAL CONTRACTOR EQUIPMENT GROUNDING CONDUCTOR EXISTING TO REMAIN
	FBO FIBO	FURNISHED BY OWNER FURNISHED AND INSTALLED BY OWNER
	G GC GFI	VANDAL GUARD (5) GENERAL CONTRACTOR GROUND FAULT INTERRUPTER
	HID	HIGH INTENSITY DISCHARGE (METAL HALIDE)
	MC	MECHANICAL CONTRACTOR
	NIC NTS	NOT IN CONTRACT NOT TO SCALE
	RGS TYP	RIGID GALVANIZED STEEL TYPICAL
	UON	UNLESS OTHERWISE NOTED
	WP	WEATHER PROOF WHILE IN USE COVER

- (XX) SYMBOL REPRESENTS KEYED NOTE THAT APPLIES TO THAT DRAWING ONLY.
- (X) SYMBOL REPRESENTS REMOVAL KEYED NOTE THAT APPLIES TO THAT REMOVAL DRAWING ONLY.

DISTRIBUTION PANEL SCHEDULE

3 | 250 | RTU-2 (GYM SOUTH)

3 20 CAFETERIA LIGHTING

SPARE

SWITCHBOARD SHORT CIRCUIT RATING

45,000 RMS SYMMETRICAL AMPERES.

UL LISTED INTEGRATED EQUIPMENT

NO. | FRAME | POLES | ATE

250

250

4 | 100

250

100

100

100

8 | 100

SHORT CIRCUIT RATING IS NOT ACCEPTABLE.

3 250

3 250

3 | 100

3

3 | 100 | SPARE

DESIGNATION PP-HSAC

MOUNTING: SURFACE

VOLTAGE: 208/120

DISTRIBUTION SECTION

CURRENT RATING: 800A

LOCATION: ELEC STORAGE

ENCLOSURE

PHASE: 3

OTHER REQ:

NO. WIRES: 4

VERTICAL BUS

TYPE: NEMA 1

KEYED NOTES

- (1) FOR CABLE REQUIREMENTS SEE FIRE ALARM ONE-LINE
- (3) REFER TO PUBLIC ADDRESS SYSTEM RISER DIAGRAM ON
- (4) REFER TO BUILDING LOCKDOWN VISUAL RISER DIAGRAM ON
- (5) FOR LOW VOLTAGE LIGHTING SWITCHES L3 AND L6, PROVIDE PROTECTIVE COVER EMERSON F29-0198 UNIVERSAL LOCKING THERMOSTAT GUARD, CLEAR OR

- DIAGRAM, YHS-E501.
- (2) PROVIDE UNSWITCHED POWER TO EXIT SIGNS, FOR BATTERY TRICKLE CHARGE AND LED INDICATION OF NORMAL POWER LOSS, SIGNALING UNIT BATTERY OPERATION.
- DRAWING 2/YHS-E501.
- DRAWING 3/YHS-E501.
- APPROVED EQUAL.

GENERAL NOTES

QUANTITY ABOVE.

OWNER FOR PAINT TYPES.

PROVIDE 200 ACT CEILING TILES OF EACH SIZE; 2'X2' AND 2'X4' TILES TO MATCH EXISTING WITHIN THE BUILDING. COORDINATE WITH OWNER FOR EXACT TYPE. REPLACE DAMAGED TILES FROM THE RESULT OF FIRE ALARM CEILING

WORK. REUSE AND RELOCATE EXISTING GOOD TILES

INSTALL REPLACEMENT DEVICES INTO. IF TILE IS NOT

2. ALL DEVICES AND EQUIPMENT SHOWN ON DEMOLITION PLANS SHALL BE REMOVED, INCLUDING WIRING AND

PREVIOUSLY HOUSING FIRE ALARM CEILING DEVICES TO

CONDUIT BACK TO SOURCE, UNLESS OTHERWISE NOTED.

3. EC IS RESPONSIBLE TO PATCH AND PAINT AS NECESSAR'S

LOCATED. COORDINATE WITH OWNER FOR PAINT TYPES.

4. PATCH AND PAINT ANY REMOVED WALL MOUNTED DEVICES

AND CONDUIT LOCATIONS TO MATCH FINISHED SPACE

INSTALLED IN CMU BLOCK WALLS. COORDINATE WITH

5. REMOVE AND REINSTALL EXISTING ACOUSTICAL CEILING

REPLACE ANY DAMAGED TILES AS A RESULT OF WOR

MATERIALS AND PAINT. PROVIDE BLANK COVERPLATES AND

SYSTEM TILES AS REQUIRED TO INSTALL ELECTRICAL WORK.

PAINT TO MATCH FINISHED SPACE WHERE DEVICES WERE

TO MATCH FINISHED SPACE MATERIALS AND PAINT AROUND ALL FIRE ALARM WALL MOUNTED DEVICE BOXES WHEN INSTALLED WHERE EXISTING WALL DEVICE WAS

ACCEPTABLE FOR MOUNTING, PROVIDE REPLACEMENT FROM

ARCHITECT

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Owner

Yorktown Central School District 2725 Crompond Road Yorktown Heights, NY 10598 914 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305

Structural Engineer

518.690.0046 office

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office

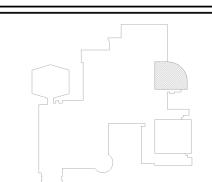
Civil Engineer

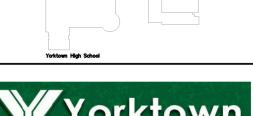
The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

www.clapperstructural.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE **IMPROVEMENTS 2020** PHASE II

YORKTOWN HIGH SCHOOL

2727 CROMPOND RD. YORKTOWN HEIGHTS, NY 10598

No.	Description	Date

ISSUED: BID ISSUE 10/25/2021

SCALE: AS NOTED

SHEET NAME: ELECTRICAL LEGEND & **ABBREVIATIONS**

SHEET NUMBER:

MAIN DEVICE

MAIN CIRCUIT BREAKER

ALTERNATE EC-2

REMARKS

800A

FRAME | POLES | ATE

DISTRIBUTION SECTION

LOAD DESCRIPTION

RELEASED: 10/25/2021

3

800A

RTU-1 (GYM NORTH)

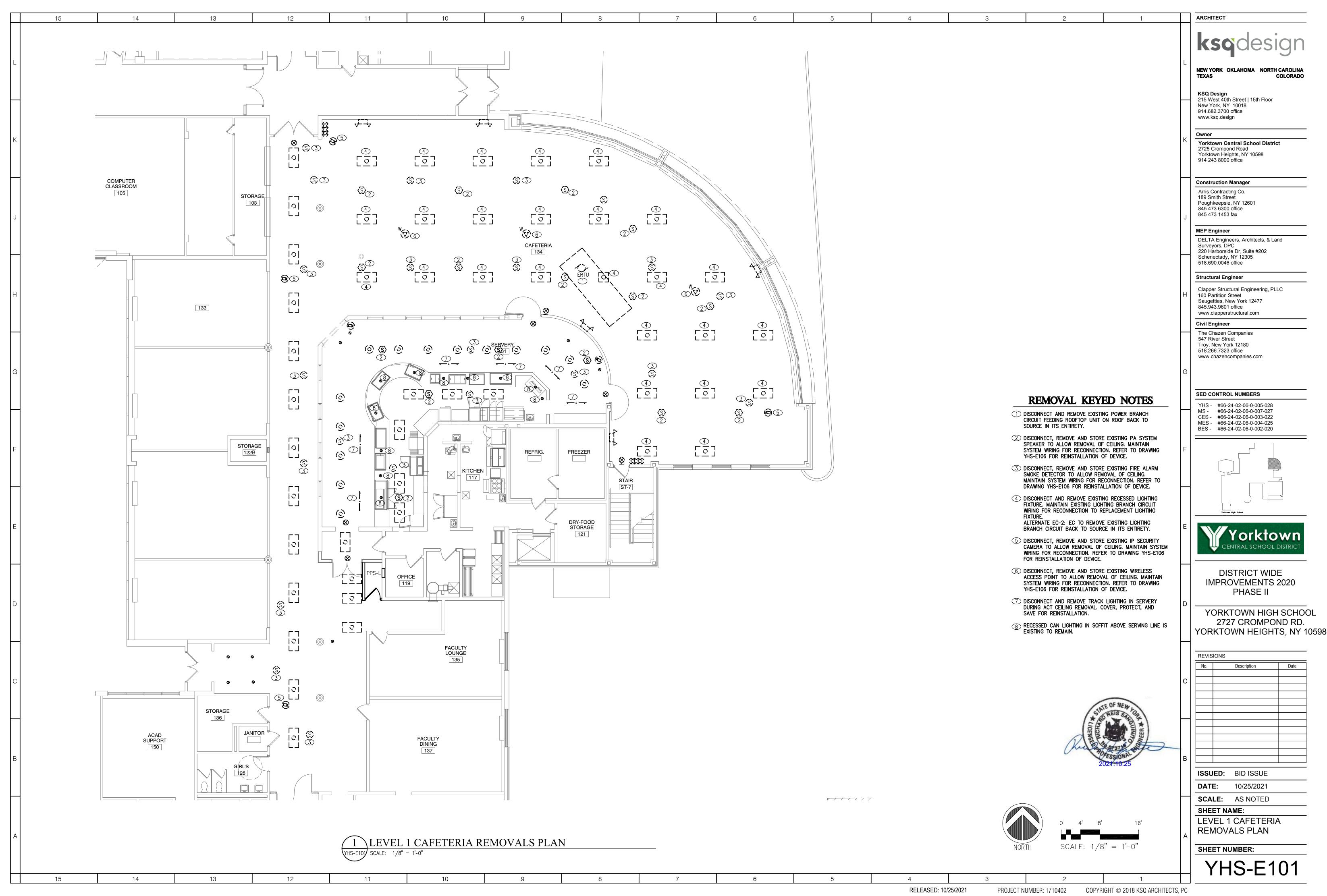
RTU-3 (CAFETERIA)

PREPARED SPACE

PREPARED SPACE

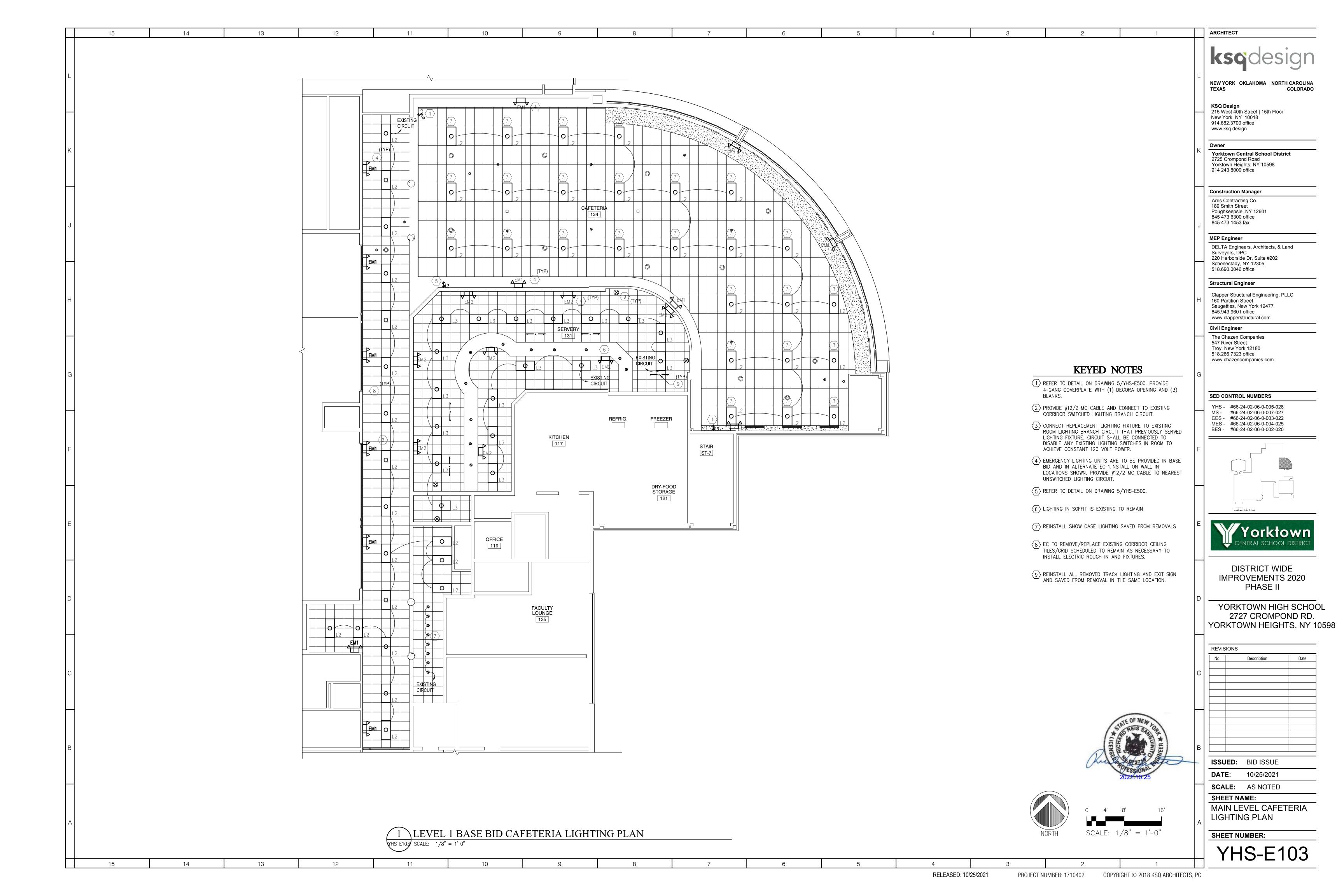
PROJECT NUMBER: 1710402

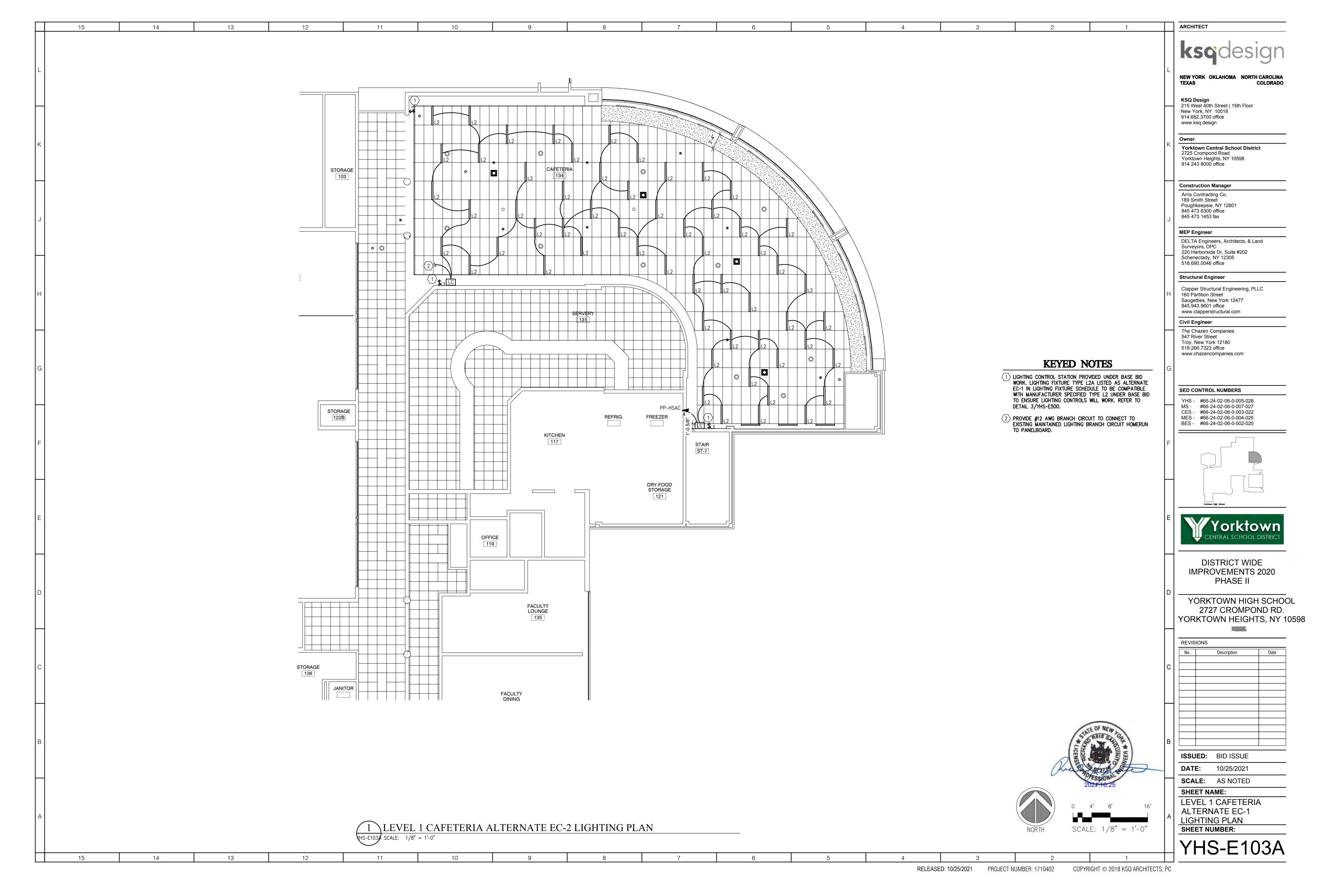
COPYRIGHT © 2018 KSQ ARCHITECTS, PC

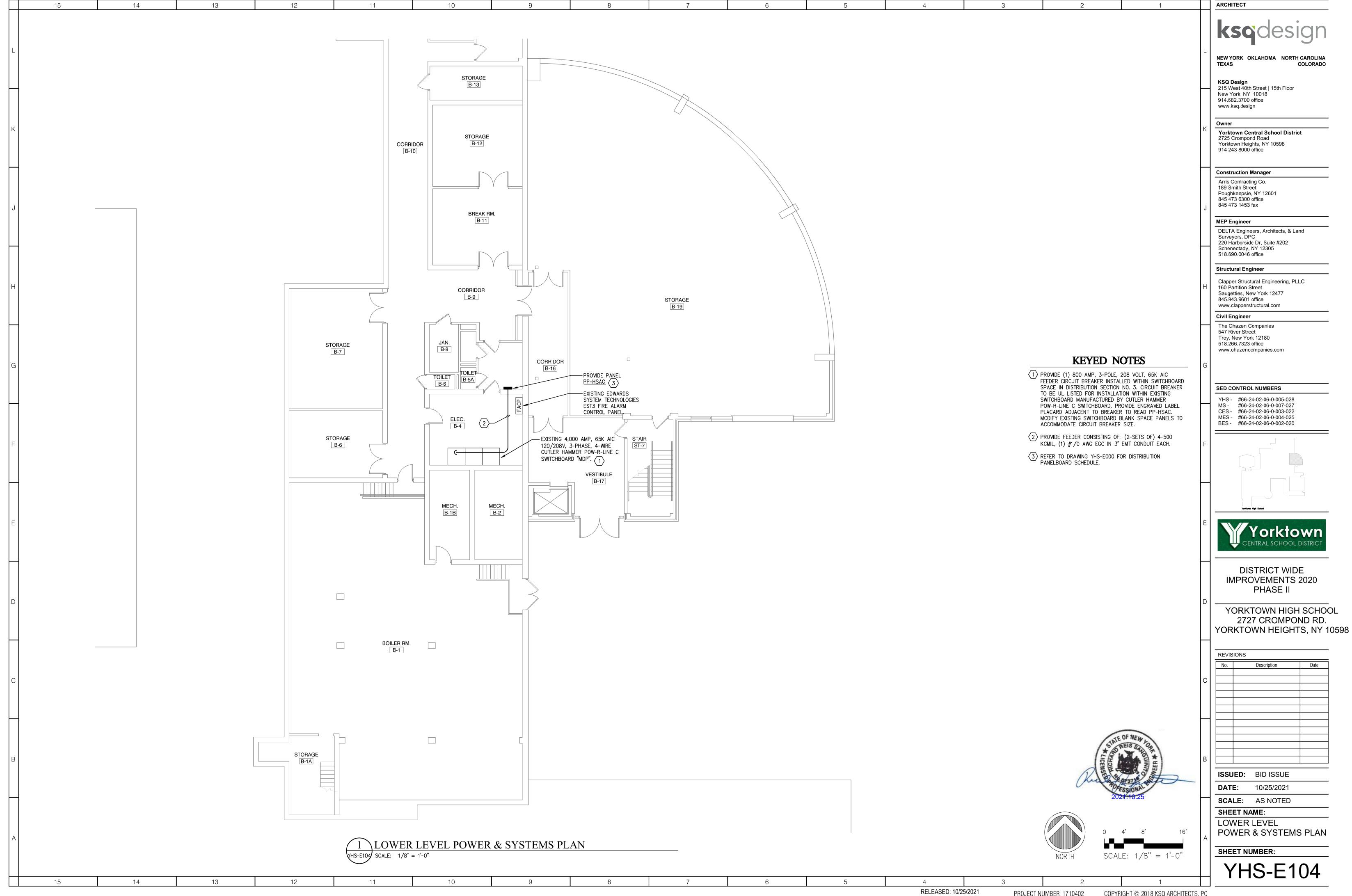




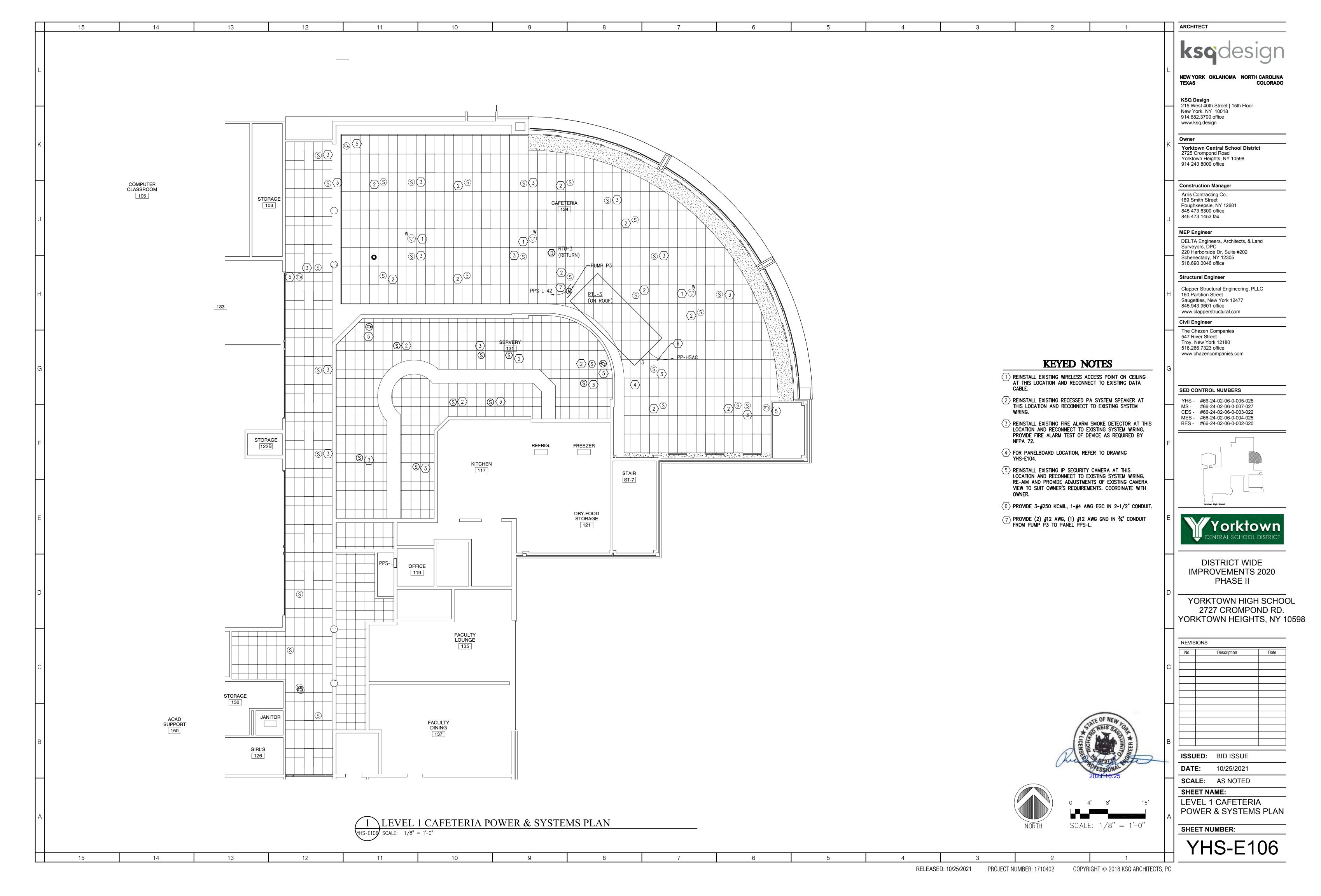
YORKTOWN HIGH SCHOOL 2727 CROMPOND RD.

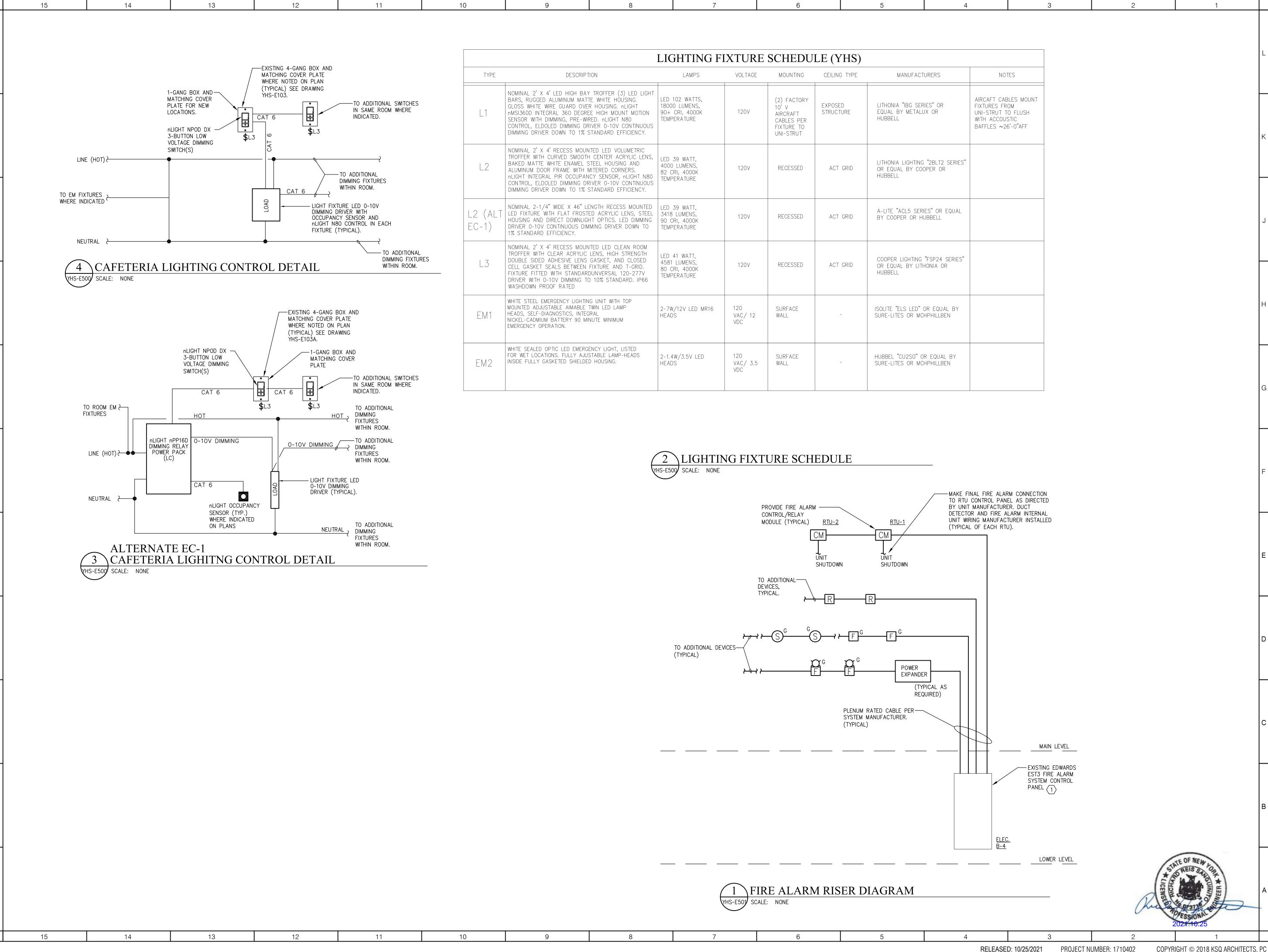






PROJECT NUMBER: 1710402 COPYRIGHT © 2018 KSQ ARCHITECTS, PC





ARCHITECT

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Owner

Yorktown Central School District 2725 Crompond Road Yorktown Heights, NY 10598

Construction Manager

914 243 8000 office

Arris Contracting Co.

845 473 6300 office

Poughkeepsie, NY 12601

189 Smith Street

845 473 1453 fax

MEP Engineer DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202

518.690.0046 office Structural Engineer

Schenectady, NY 12305

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office

www.clapperstructural.com

Civil Engineer The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office

www.chazencompanies.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025

BES - #66-24-02-06-0-002-020



DISTRICT WIDE **IMPROVEMENTS 2020** PHASE II

YORKTOWN HIGH SCHOOL 2727 CROMPOND RD. YORKTOWN HEIGHTS, NY 10598

REVISIONS

ISSUED: BID ISSUE

10/25/2021 **SCALE**: AS NOTED

SHEET NAME: RISER DIAGRAMS & **DETAILS**

SHEET NUMBER:

YHS-E500

DESIGN DATA:

15

STRUCTURAL DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:

A) 2015 INTERNATIONAL BUILDING CODE WITH NEW YORK STATE SUPPLEMENT.

B) ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

C) AISC, MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, 14TH ED.

13

12

10

10

1. DEAD LOADS SELF WEIGHT +

FLOORS: 15 PSF CEILING: 10 PSF RTU-4: 8776.2 LBS RTU-5: 8776.2 LBS

2. SEISMIC

RISK CATEGORY: III
SEISMIC IMPORTANCE FACTOR: 1.25
Ss: 0.251g
S1: 0.071g
SITE CLASS: C (FROM GEOTECH REPORT)
Sds: 0.201g
Sd1: 0.080g
SEISMIC DESIGN CATEGORY: B

14

3. WIND LOADS

BASIC WIND SPEED: 115 MPH (3-second gust)
RISK CATEGORY: III
EXPOSURE CATEGORY: B
INTERNAL PRESSURE COEFFICIENT (GCpi): ±0.18

4. SNOW LOADS

GROUND SNOW LOAD: 30 PSF
SNOW EXPOSURE FACTOR: 1.0
THERMAL FACTOR: 1.0
SNOW LOAD IMPORTANCE FACTOR: 1.0
MINIMUM FLAT ROOF SNOW LOAD: 21 PSF
DESIGN FLAT ROOF SNOW LOAD: 30 PSF

GENERAL INFORMATION:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

"LOADS" INDICATED ON THIS DRAWING ARE THOSE FOR THE DESIGN OF THE BUILDING SUPERSTRUCTURE

- 1. ALL DETAILS MARKED "TYPICAL" IN THE SET OF STRUCTURAL DRAWINGS SHALL BE APPLIED THROUGHOUT THE PROJECT AS REQUIRED TO SATISFY THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL COORDINATE REQUIREMENTS FOR QUANTITY AND LOCATION WHERE THE "TYPICAL" DETAILS APPLY.
- 2. FAILURE ON THE PART OF THE CONTRACTOR TO REVIEW THE DRAWINGS OF OTHER DISCIPLINES (i.e. ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC.) TOGETHER WITH THE FULL EXTENT OF THE PROJECT SPECIFICATIONS DOES NOT RELIEVE THEM OF THE RESPONSIBILITY TO FURNISH AND INSTALL ITEMS THAT ARE PART OF THEIR WORK AS INDICATED BY THE DRAWINGS AND SPECIFICATIONS OF OTHER TRADES. ALL STRUCTURAL TRADE CONTRACTORS AND SUB-CONTRACTORS ARE PROHIBITED FROM EXCLUDING STRUCTURAL WORK FROM THEIR CONTRACT NOT SHOWN IN THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL GENERAL NOTES

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE A.I.S.C. STEEL CONSTRUCTION MANUAL 14TH EDITION.
- 2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS.

MEMBER A.S.T.M. MIN. STRENGTH
ROLLED SHAPES A992 50 KSI
PLATES, CHANNELS, & ANGLES A36 36 KSI
CONNECTION BOLTS A325 92 KSI
ANCHOR BOLTS F1554 --THREADED BOLTS A36 36 KSI
NON-SHRINK GROUT C1107 8,000 PSI

- 3. WELDING SHALL BE IN ACCORDANCE WITH A.W.S. D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER A.I.S.C. REQUIREMENTS. FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 K.S.I.
- MOMENT CONNECTIONS DENOTED THUS (►) ON PLAN. SEE TYPICAL DETAILS.
- 5. HOLES IN STEEL BEAMS SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.
- 6. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETE CONDITION, AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, FRAMING, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

SPECIAL INSPECTION SCHEDULE: FABRICATORS			
VEDICICATION AND INCRECTION TACK	APPLICABLE	FREQU	JENCY
VERIFICATION AND INSPECTION TASK	TO THIS PROJECT	CONTINUOUS	PERIODIC
1. VERIFY FABRICATION AND IMPLEMENTATION PROCEDURES:	-	-	Χ
A. STEEL CONSTRUCTION	-	-	X
B. CONCRETE CONSTRUCTION (INCLUDING REBAR FABRICATION)	-	-	X
C. WOOD CONSTRUCTION	NA	-	X
D. COLD FORMED METAL CONSTRUCTION	-	-	X
E. OTHER CONSTRUCTION	-	-	Х

	APPLICABLE	APPLICABLE FREQUENCY		
VERIFICATION AND INSPECTION TASK	TO THIS PROJECT	CONTINUOUS		
MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	-	Х	
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	-	Х	
2. INSPECTION OF HIGH STRENGTH BOLTING.				
A. SNUG-TIGHT JOINTS.	-	-	Х	
B. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	NA	-	Х	
C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	NA	X	-	
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS AND AISC360	-	-	Х	
B. MANUFACTURER'S CERTIFIED TEST REPORTS.	_	_	Х	
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS.				
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	-	Х	
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	-	X	
5. INSPECTION OF WELDING, STRUCTURAL STEEL:				
A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	NA	X	-	
B. MULTIPASS FILLET WELDS	NA	X	-	
C. SINGLE-PASS FILLET WELDS > $\frac{1}{16}$ "	NA	X	-	
D. SINGLE-PASS FILLET WELDS (< OR =) $\frac{5}{16}$ "	-	-	Χ	
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS.				
A. DETAILS SUCH AS BRACING AND STIFFENING	-	-	Χ	
B. MEMBERS LOCATIONS	-	-	Х	
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	-	-	Χ	

NOTE: ALL STRUCTURAL STEEL WORK BY MECHANICAL CONTRACTOR

ARCHITECT

ksqdesigr

NEW YORK OKLAHOMA NORTH CAROLINA TEXAS COLORADO

KSQ Design
215 West 40th Street | 15th Floor
New York, NY 10018
914.682.3700 office
www.ksq.design

Owner

Yorktown Central School District 2725 Crompond Road Yorktown Heights, NY 10598

Construction Manager

914 243 8000 office

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

DELTA Engineers, Architects, & Land

Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305 518.690.0046 office

Structural Engineer

Civil Engineer

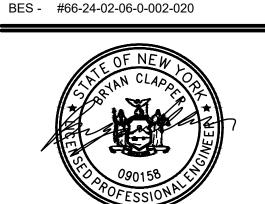
Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022

MES - #66-24-02-06-0-004-025





DISTRICT WIDE IMPROVEMENTS 2020

Mildred E. Strang Middle School 2701 Crompond Road Yorktown Height, NY 10598

INLVIO	10110	
No.	Description	Date

DATE: 3/24/2020

SCALE: AS SHOWN

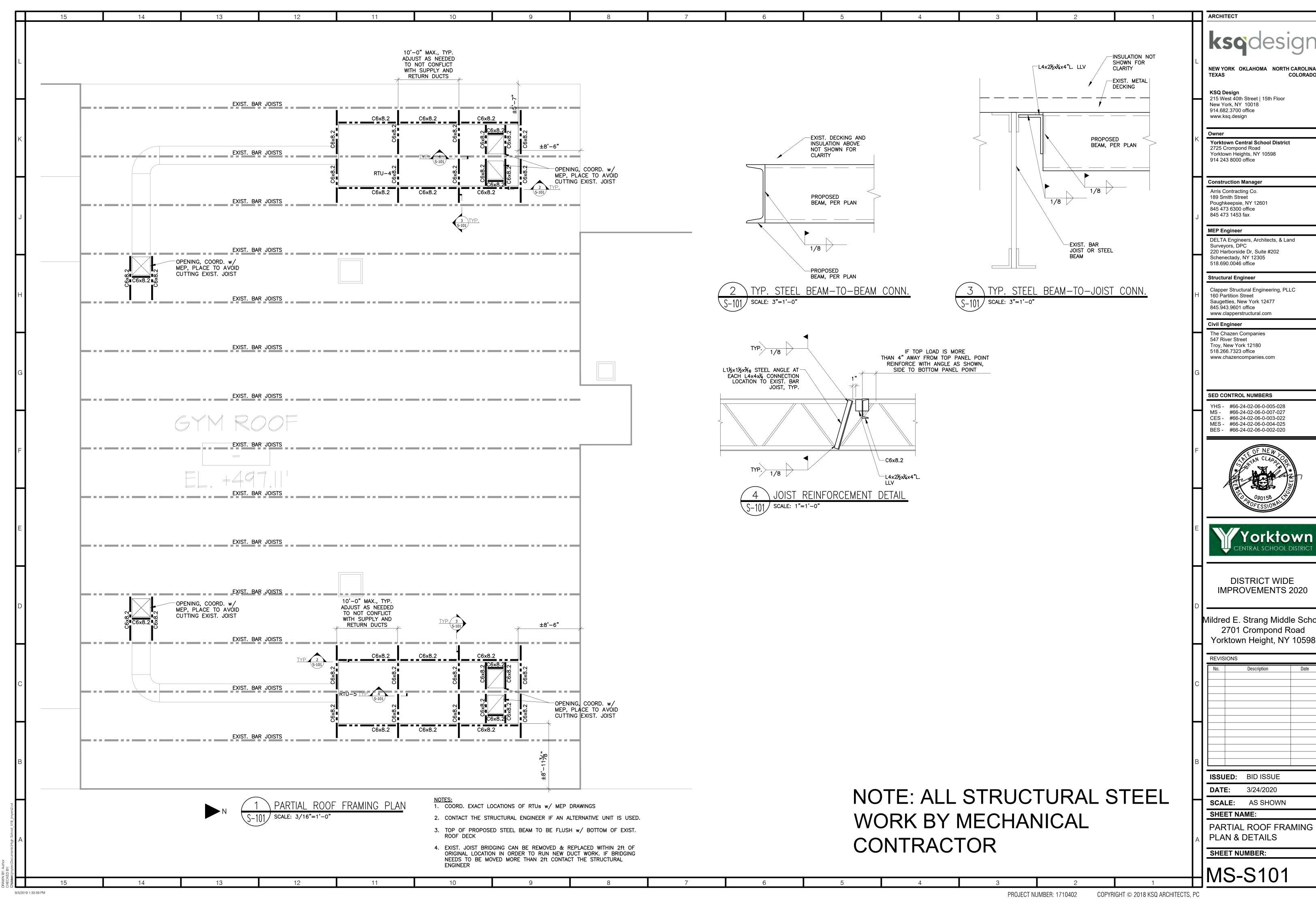
SHEET NAME:

STRUCTURAL NOTES AND

SPECIAL INSPECTIONS

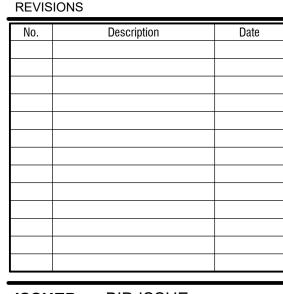
SHEET NUMBER:

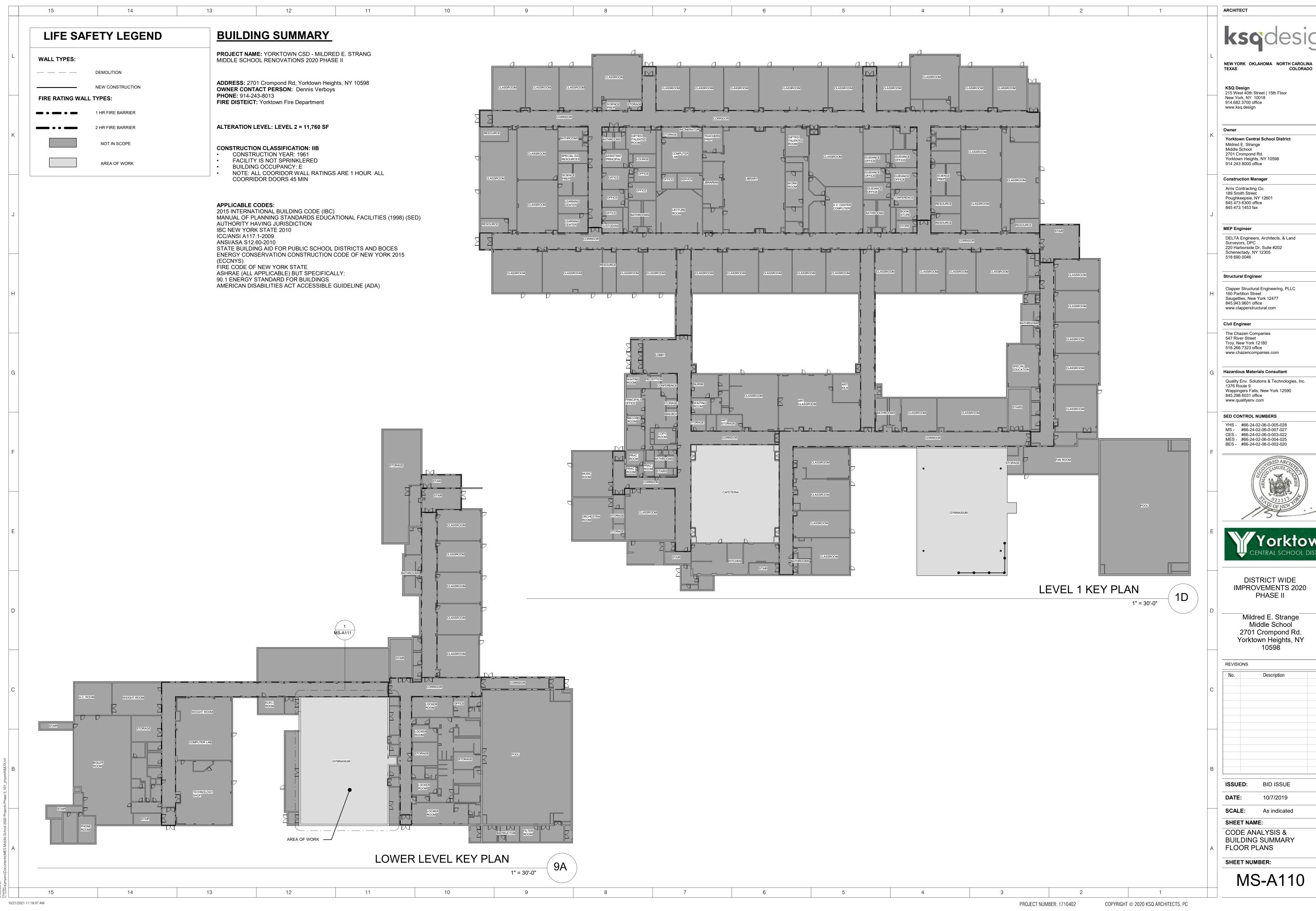
MS-S001

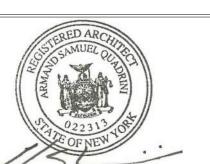




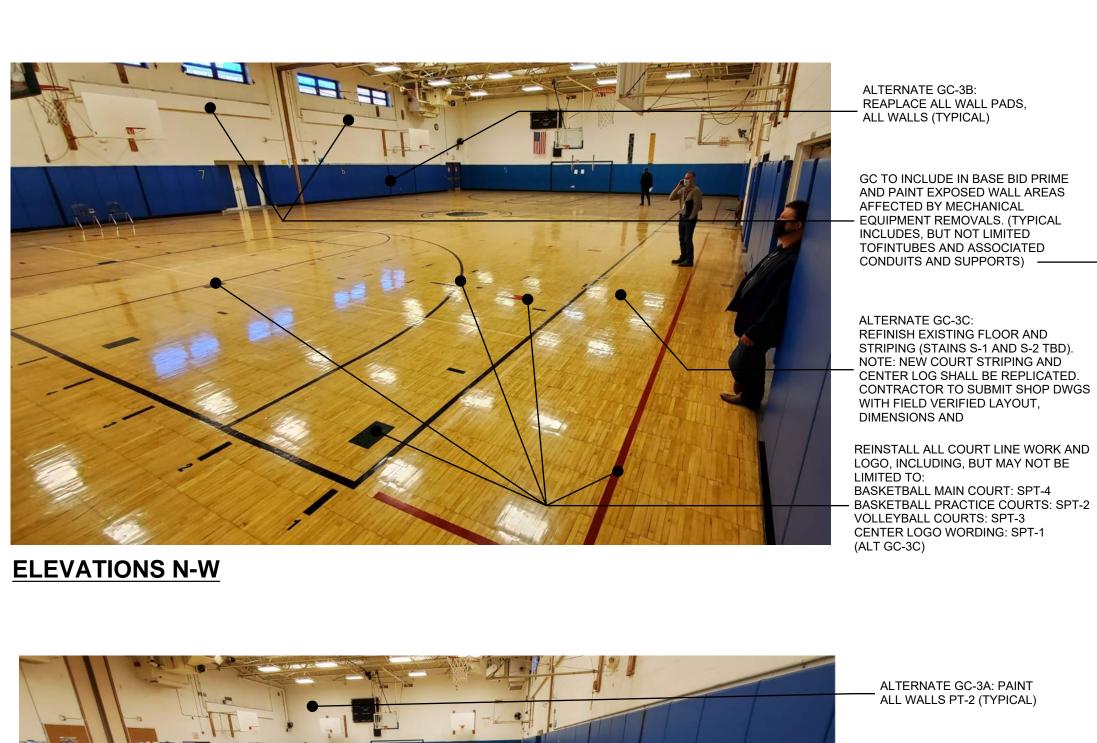
Mildred E. Strang Middle School











ALTERNATE GC-3A: PAINT ALL WALLS PT-2 (TYPICAL)

ALTERNATE GC-3B:

REAPLACE ALL WALL PADS, ALL WALLS (TYPICAL)

ALTERNATE GC-3C: REFINISH EXISTING FLOOR AND STRIPING (STAINS S-1 AND S-2 TBD). NOTE: NEW COURT STRIPING AND CENTER LOG SHALL BE REPLICATED. CONTRACTOR TO SUBMIT SHOP DWGS WITH FIELD VERIFIED LAYOUT, DIMENSIONS AND

REPLACE VENT COVE - BASE (TYPICAL) (ALT. GC-3C)

ELEVATIONS S-E



SCRAPE, PREP, PRIME AND PAINT (DRYFALL PT-1) ALL EXISTING STRUCTURE & CEILING. PROTECT ALL EXISTING SURFACES, EQUIPMENT, DEVICES, ETC. TO REMAIN

EXISTING MECHANICAL UNITS TO BE REMOVED BY MC. GC TO PATCH OPENING AND PAINT WALL AFFECTED BY DEMOLITION, AND INSTALL NEW WINDOW (BASE CONTRACT). TYPICAL FOR 4 LOCATIONS

PROTECT ALL EQUIPMENT, DEVICES, FIXTURES, ETC. - SCHEDULED TO REMAIN. (TYPICAL)

REPLACE ALL PADS ON DOORS. (TYPICAL) (ALT GC-3B)

SCRAPE, PREP, PRIME AND PAINT (DRYFALL PT-1) ALL EXISTING STRUCTURE & CEILING. PROTECT ALL EXISTING SURFACES, EQUIPMENT, DEVICES, ETC. TO REMAIN

EXISTING MECHANICAL UNITS TO BE REMOVED BY MC. GC TO PATCH OPENING AND PAINT WALL AFFECTED BY DEMOLITION, AND INSTALL NEW WINDOW (BASE CONTRACT). TYPICAL FOR 4 LOCATIONS

ALTERNATE GC-3A: PAINT ALL WALLS PT-2 (TYPICAL)

ALTERNATE GC-3B: REAPLACE ALL WALL PADS, ALL WALLS (TYPICAL)

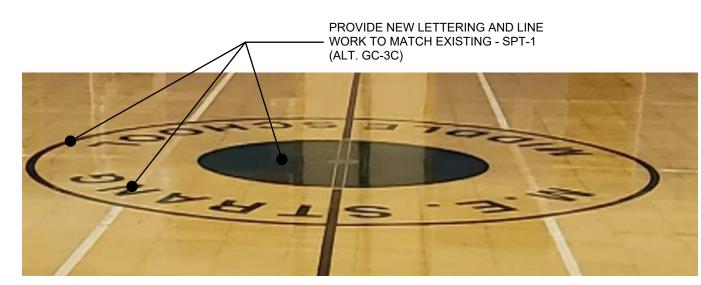


PHOTO OF LOGO FOR REFERENCE



ALTERNATE WORK NOTES:

2. ALL WALL PADDING REPLACEMENT IS PART OF ALTERNATE GC-3B

OF ALTERNATE GC-3C

4. GC TO REMOVE ALL WALL MOUNTED POSTERS, SIGNS AND ART WORK TO FACILITATE PAINTING. PROTECT AND REINSTALL.

5. GC TO PROTECT ALL EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. THAT CANNOT BE REMOVED FOR PAINTING OR FLOORING.

AND RECEPTACLE WALL PLATES TO ALLOW FOR PAINTING AND WALL PAD REPLACEMENT. PROTECT AND REINSTALL.



I. ALL WALL PAINT WORK IS PART OF ALTERNATE

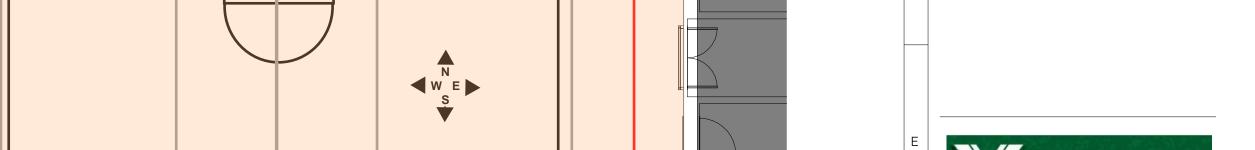
3. ALL FLOORING, STRIPING AND BASE IS PART

6. GC TO REMOVE ALL EXTINGUISHERS, SWITCH

7. REPLACE ALL PROTECTIVE PADS MOUNTED ON

8. REFER TO DWG G-051 FOR FINISH SCHEDULE (APPLICABLE TO BASE CONTRACT AND ALTERNATES.)

ALTERNATE GC-3C: REFINISH EXISTING WOOD FLOOR, STRIPPING AND LOGO AND REPLACE BASE. NOTE: ALL COURT STRIPING AND CENTER LOGO SHALL BE REPLICATED. CONTRACTOR TO SUBMIT SHOP DWGS WITH FIELD VERIFIED LAYOUT AND DIMENSIONS.



DISTRICT WIDE **IMPROVEMENTS 2020**

PHASE II

ARCHITECT

KSQ Design

New York, NY 10018

914.682.3700 office

Mildred E. Strange Middle School 2701 Crompond Rd.

914 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street

845 473 6300 office

Lewis Engineering, PC 94 New Karner Road Albany, NY 12203

518 427 7200 office 518 427 7210 fax

Structural Engineer

160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

The Chazen Companies 547 River Street

Troy, New York 12180

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028

MS - #66-24-02-06-0-007-027

CES - #66-24-02-06-0-003-022

MES - #66-24-02-06-0-004-025

BES - #66-24-02-06-0-002-020

518.266.7323 office www.chazencompanies.com

Civil Engineer

Clapper Structural Engineering, PLLC

845 473 1453 fax

MEP Engineer

Poughkeepsie, NY 12601

www.ksq.design

215 West 40th Street | 15th Floor

Yorktown Central School District

Yorktown Heights, NY 10598

NEW YORK OKLAHOMA NORTH CAROLINA

Mildred E. Strange Middle School 2701 Crompond Rd. Yorktown Heights, NY 10598

REVISIONS Description ISSUED: **BID ISSUE**

10/7/2019

SCALE: As indicated SHEET NAME:

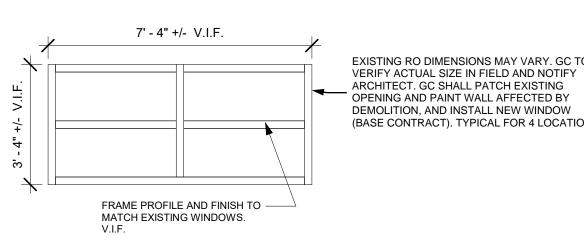
ELEVATIONS & PLAN

SHEET NUMBER:

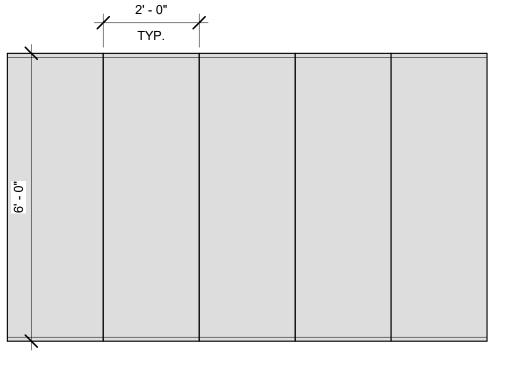
GYMNASIUM

MS-A111

ELEVATIONS W



REPLACEMENT WINDOW 3/8" = 1'-0" (BASE CONTRACT WORK)



ALTERNATE: GC-3B PADDING

12 10/21/2021 11:20:24 AM

PROJECT NUMBER: 1710402

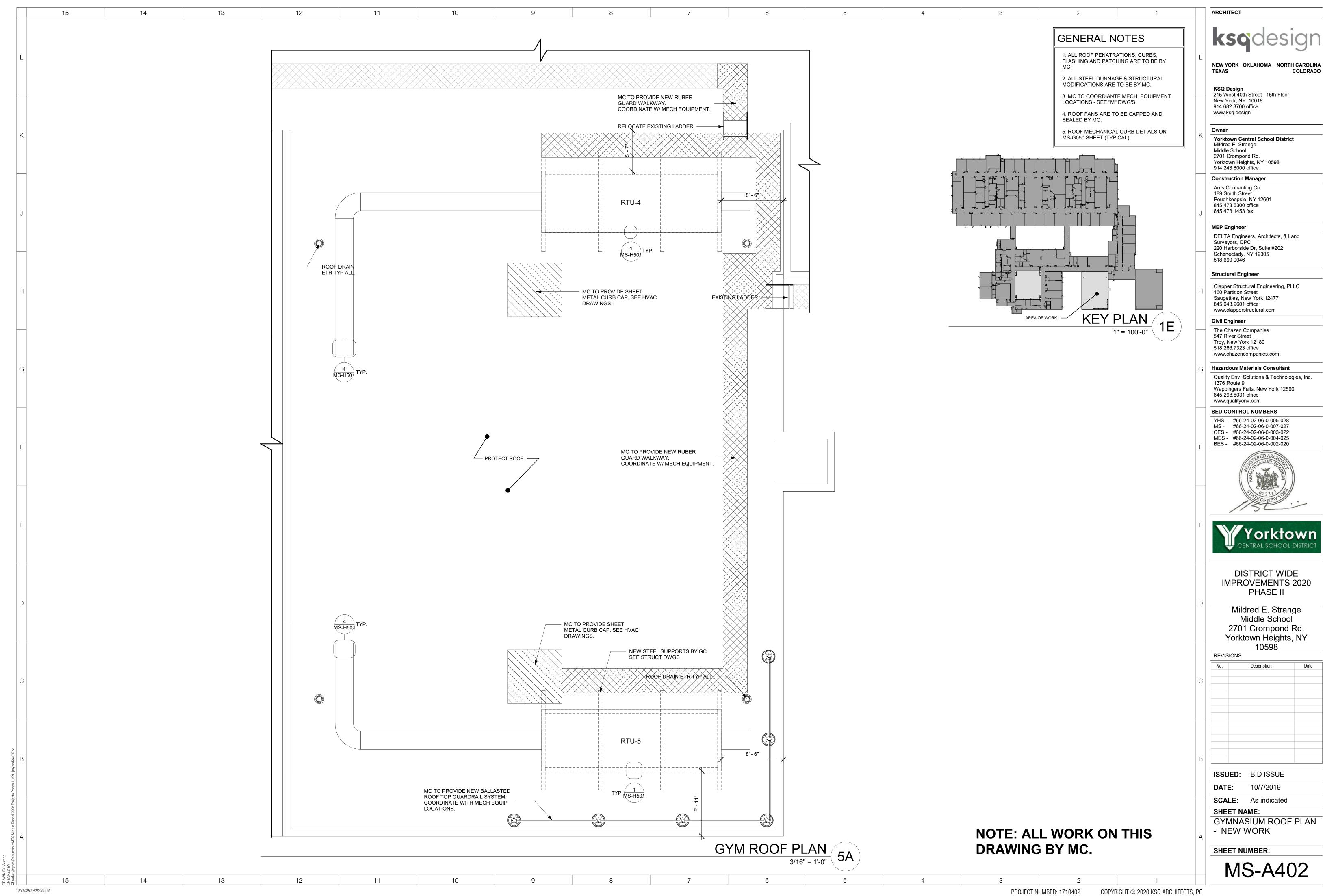
ENLARGED GYMNASIUM PLAN

(APPROX. - VIF)

COPYRIGHT © 2018 KSQ ARCHITECTS, PC

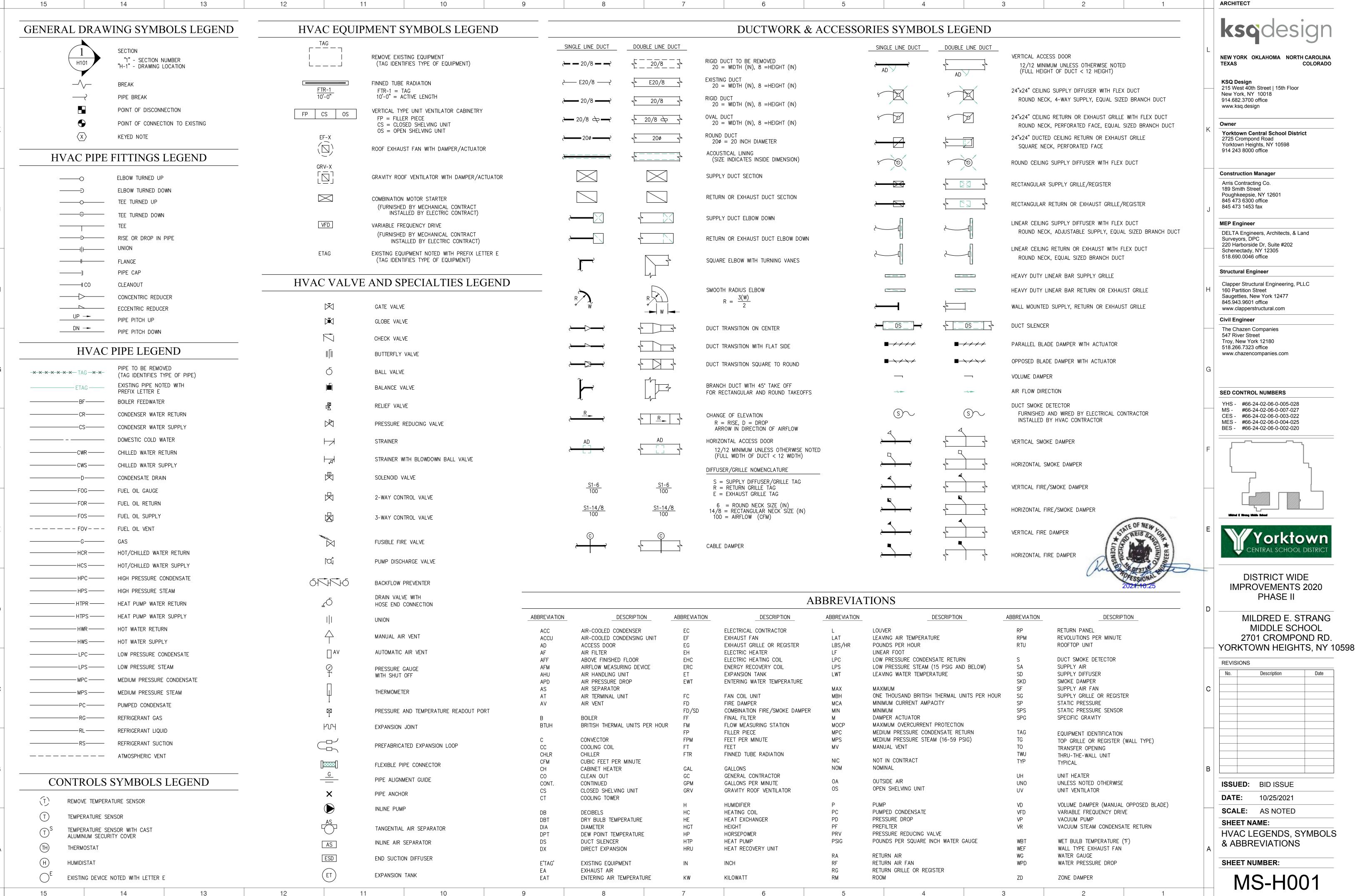
1/8" = 1'-0"

EXISTING RO DIMENSIONS MAY VARY. GC TO DEMOLITION, AND INSTALL NEW WINDOW
(BASE CONTRACT). TYPICAL FOR 4 LOCATIONS









NEW YORK OKLAHOMA NORTH CAROLINA

215 West 40th Street | 15th Floor

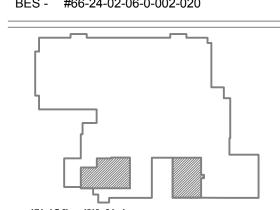
Yorktown Central School District Yorktown Heights, NY 10598

DELTA Engineers, Architects, & Land 220 Harborside Dr, Suite #202

Clapper Structural Engineering, PLLC Saugetties, New York 12477

www.clapperstructural.com

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE **IMPROVEMENTS 2020** PHASE II

MILDRED E. STRANG MIDDLE SCHOOL 2701 CROMPOND RD.

REVISION	ONS		
No.		Description	Date
ISSUE	ED:	BID ISSUE	

10/25/2021

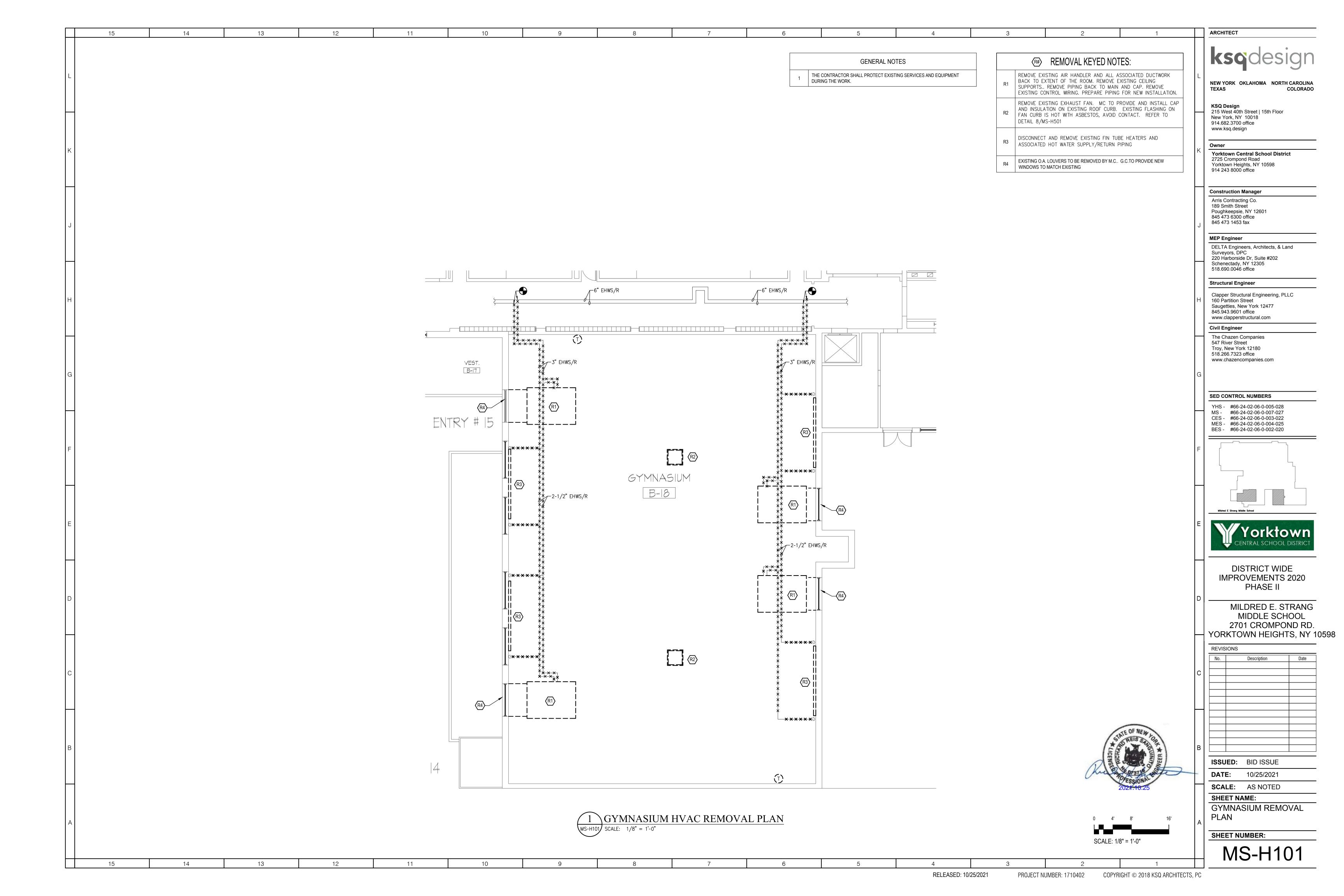
RELEASED: 10/25/2021

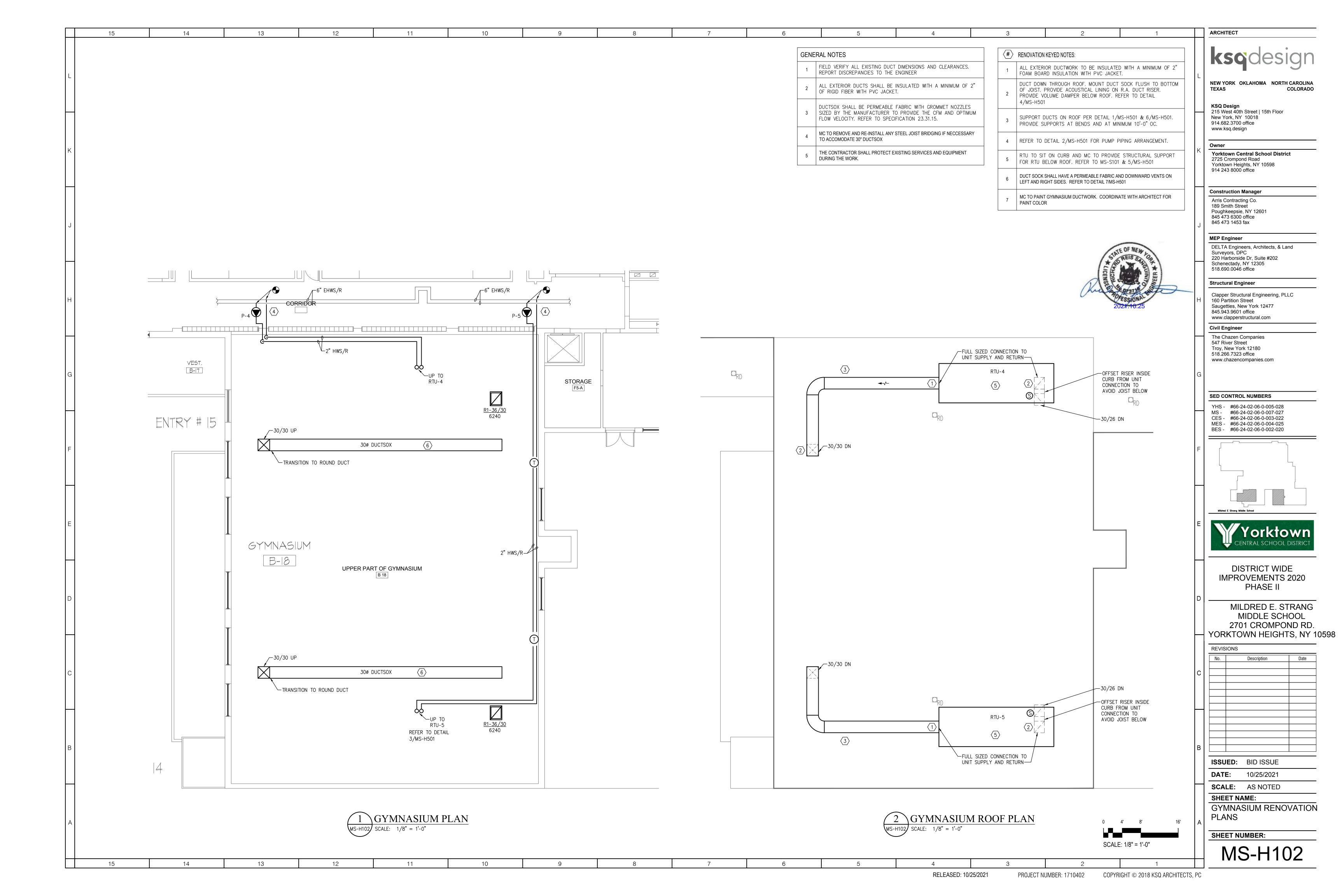
PROJECT NUMBER: 1710402

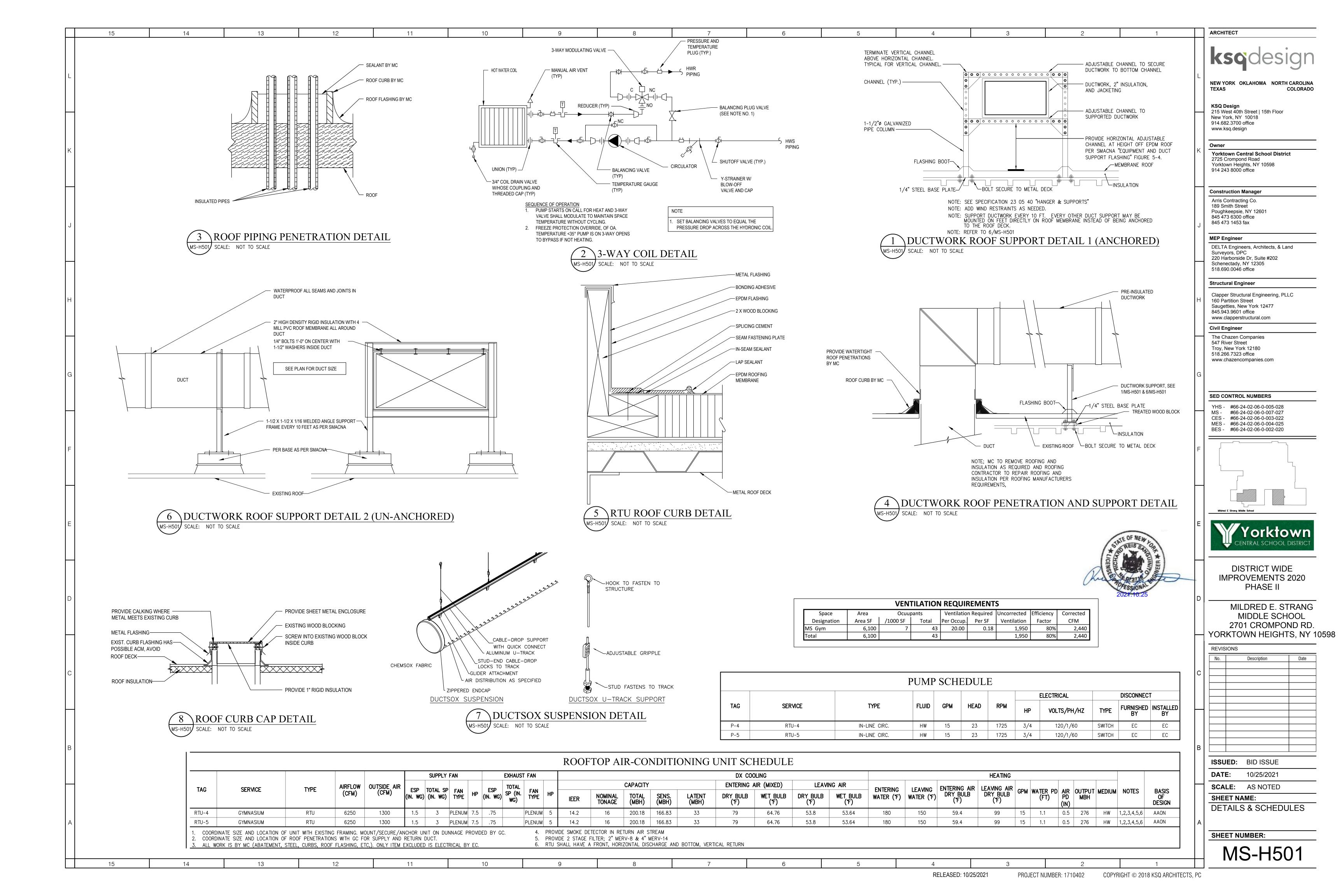
COPYRIGHT © 2018 KSQ ARCHITECTS, PC

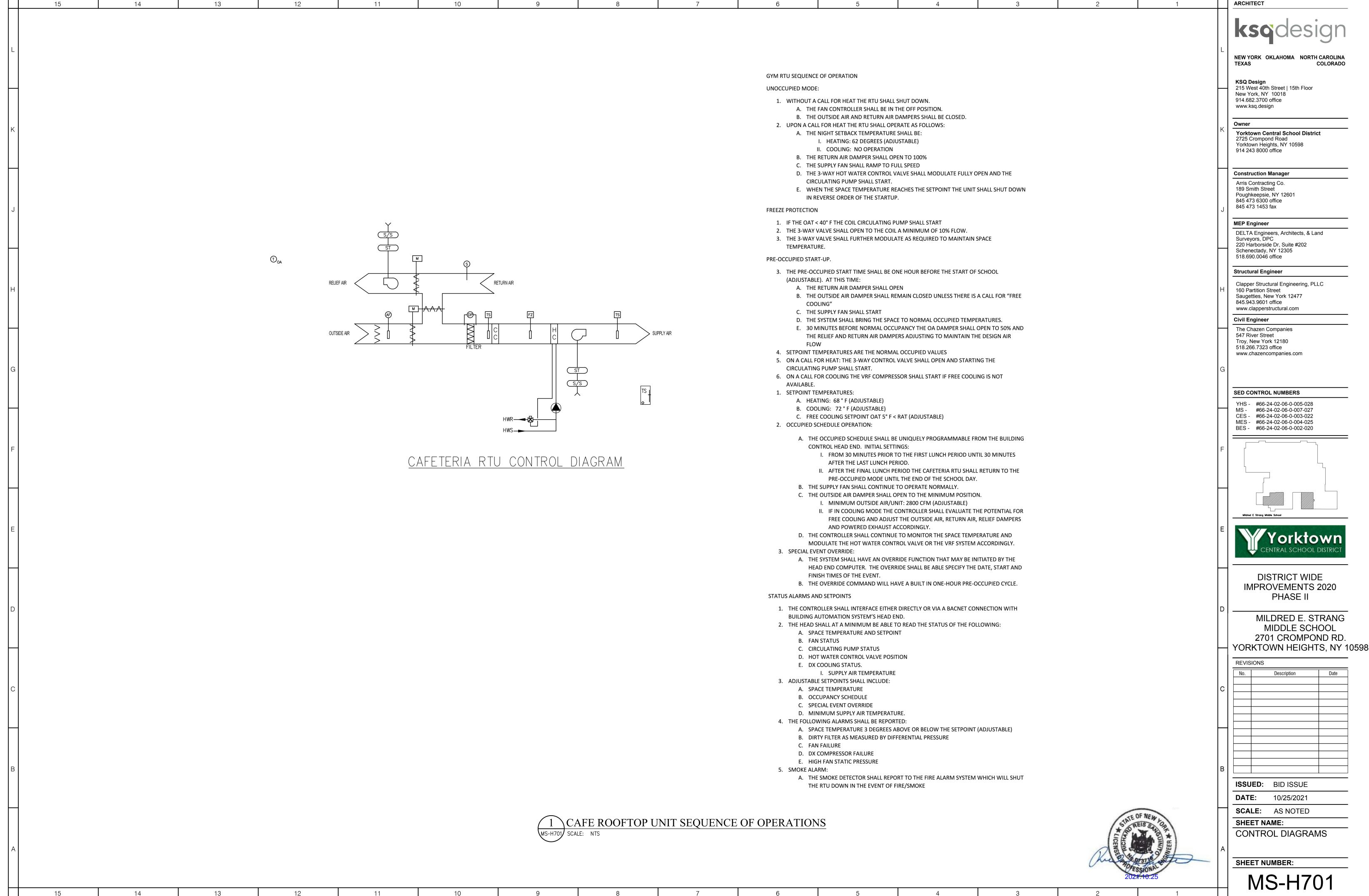
HVAC LEGENDS, SYMBOLS & ABBREVIATIONS

MS-H001









COPYRIGHT © 2018 KSQ ARCHITECTS, PC

RELEASED: 10/25/2021

PROJECT NUMBER: 1710402

DIAGRAM, MS-E500. POWER & SYSTEMS **ABBREVIATIONS REMOVALS** NEW YORK OKLAHOMA NORTH CAROLINA DISCONNECT SWITCH, RATINGS AS INDICATED ON FLOOR PLANS JUNCTION BOX <u>DESCRIPTION</u> KSQ Design <u>ABBREVIATION</u> 215 West 40th Street | 15th Floor FEEDER CONDUIT WITH CONDUCTORS ABOVE FINISHED FLOOR New York, NY 10018 **┌ ─ ¬** EUV UNIT VENTILATOR 914.682.3700 office AFG ABOVE FINISHED GRADE www.ksq.design ABOVE FINISHED ROOF AFR MOTOR (FURNISHED AND INSTALLED BY MC, LINE VOLTAGE WIRING BY EC) DISCONNECT ELECTRIC TO MOTOR AND REMOVE IN ITS ENTIRETY BACK TO AWG AMERICAN WIRE GUAGE SOURCE Owner BRANCH CIRCUIT HOMERUN TO PANELBOARD. NUMBER OF ARROWS INDICATES NUMBER OF BELOW FINISHED GRADE (D) FIRE ALARM DUCT SMOKE DETECTOR CIRCUITS. CAPITAL LETTER WITH NUMERALS INDICATE PANEL DESIGNATION AND NUMERAL **Yorktown Central School District** CONDUIT INDICATES PANEL CIRCUIT BREAKER NUMBER. 2725 Crompond Road CIRCUIT BREAKER Yorktown Heights, NY 10598 <u>RTU-*</u> 914 243 8000 office EXISTING AIR HANDLING UNIT HVAC ROOFTOP UNIT, (PROVIDED UNDER MC CONTRACT, LINE VOLTAGE WIRING BY EC) UNIT HAS INTEGRAL 120 VOLT GFCI RECEPTACLE. EC ELECTRICAL CONTRACTOR EQUIPMENT GROUNDING CONDUCTOR **Construction Manager** EXR EXISTING TO REMAIN EXISTING SURFACE MOUNTED PANELBOARD LIGHTING Arris Contracting Co. 189 Smith Street FBO FURNISHED BY OWNER EXISTING RECESS MOUNTED PANELBOARD Poughkeepsie, NY 12601 FIBO FURNISHED AND INSTALLED BY OWNER 845 473 6300 office EXISTING FIRE ALARM SYSTEM CONTROL PANEL. $\langle 1 \rangle$ 845 473 1453 fax VANDAL GUARD GENERAL CONTRACTOR FIRE ALARM DUCT SMOKE DETECTOR WITH 120V ELECTRIC HEATER LOCATED IN GC EXISTING CEILING MOUNTED 2Ft. x 4Ft. LED LIGHTING FIXTURE MEP Engineer HVAC DUCT WORK. FURNISH TO MC FOR INSTALLATION INTO DUCTWORK. GROUND FAULT INTERRUPTER GFI ** = EQUIPMENT DESIGNATION. SEE NOTE - (1) DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 HIGH INTENSITY DISCHARGE (METAL HALIDE) HID MANUAL DISCONNECT SNAP SWITCH Schenectady, NY 12305 MECHANICAL CONTRACTOR 518.690.0046 office NOT IN CONTRACT Structural Engineer NTS NOT TO SCALE Clapper Structural Engineering, PLLC 160 Partition Street RGS RIGID GALVANIZED STEEL Saugetties, New York 12477 TYPICAL 845.943.9601 office www.clapperstructural.com UON UNLESS OTHERWISE NOTED Civil Engineer WEATHER PROOF WHILE IN USE COVER The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com SED CONTROL NUMBERS YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020 GENERAL NOTES 1. ALL DEVICES AND EQUIPMENT SHOWN ON DEMOLITION MOUNTING HEIGHTS GENERAL NOTES - INSTALLATION PLANS SHALL BE REMOVED. INCLUDING WIRING AND CONDUIT BACK TO SOURCE, UNLESS OTHERWISE NOTED. 2. EC IS RESPONSIBLE TO PATCH AND PAINT AS NECESSARY 1. NEW BRANCH CIRCUITRY SHALL BE INSTALLED ABOVE CEILING WHERE POSSIBLE, AS UNLESS OTHERWISE NOTED, MOUNT DEVICES AND HIGH AS POSSIBLE. TO MATCH FINISHED SPACE MATERIALS AND PAINT EQUIPMENT AT HEIGHTS MEASURED FROM FINISHED (XX) SYMBOL REPRESENTS KEYED NOTE THAT APPLIES TO THAT AROUND ALL FIRE ALARM WALL MOUNTED DEVICE BOXES FLOOR TO DEVICE/ EQUIPMENT CENTERLINE AS LISTED DRAWING ONLY. WHEN INSTALLED WHERE EXISTING WALL DEVICE WAS 2. ALL EQUIPMENT SHOWN ON REMOVALS PLANS SHALL BE REMOVED, UNLESS BELOW. OTHERWISE NOTED. REMOVE ONLY ASSOCIATED WIRING WITHIN ROOM. ASSOCIATED LOCATED. COORDINATE WITH OWNER FOR PAINT TYPES. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL EXISTING BRANCH CIRCUIT WIRING HOMERUN BACK TO PANEL IN EACH ROOM SHALL ELEVATIONS PRIOR TO ROUGH-IN. 3. PATCH AND PAINT ANY REMOVED WALL MOUNTED DEVICES REMAIN FOR CONNECTION TO NEW LIGHTING BRANCH CIRCUIT WIRING SHOWN, UNLESS X SYMBOL REPRESENTS REMOVAL KEYED NOTE THAT APPLIES AND CONDUIT LOCATIONS TO MATCH FINISHED SPACE OTHERWISE NOTED. WHERE STRUCTURAL OR OTHER INTERFERENCE'S TO THAT REMOVAL DRAWING ONLY. MATERIALS AND PAINT. PROVIDE BLANK COVERPLATES AND PREVENT COMPLIANCE WITH MOUNTING HEIGHTS COORDINATE ALL CONDUIT RUNS WITH OTHER TRADES PRIOR TO ROUGH-IN. PAINT TO MATCH FINISHED SPACE WHERE DEVICES WERE LISTED BELOW, CONSULT OWNER'S REPRESENTATIVE INSTALLED IN CMU BLOCK WALLS. COORDINATE WITH RELOCATE ANY CONDUITS AS NECESSARY TO PERMIT INSTALLATION OF DUCTWORK FOR APPROVAL TO CHANGE LOCATION BEFORE OWNER FOR PAINT TYPES. OR PIPING. INSTALLATION. 4. INSTALL ALL CIRCUITING CONCEALED INSIDE WALL CAVITY WHERE EVER POSSIBLE. 3. REMOVE AND REINSTALL EXISTING ACOUSTICAL CEILING DISCONNECT SWITCH HANDLE, UON 48" SYSTEM TILES AS REQUIRED TO INSTALL ELECTRICAL WORK. PROVIDE SURFACE MOUNTED BACKBOXES AND RACEWAY FOR WIRING DEVICES REPLACE ANY DAMAGED TILES AS A RESULT OF WORK. LOCATED ON EXISTING SOLID WALL CONSTRUCTION. PROVIDE SHALLOW TYPE DISTRICT WIDE BACKBOXES FOR SURFACE MOUNTED POWER AND SWITCHING APPLICATIONS. REFER **IMPROVEMENTS 2020** TO ARCHITECTURAL PLANS FOR WALL TYPES. PHASE II 5. FIRESTOP ALL LOW VOLTAGE SLEEVES AND PENETRATIONS AFTER INSTALLATION OF MILDRED E. STRANG 6. PROVIDE OPEN TOP CABLE HANGERS 4' ON CENTER SUPPORTED TO SUPPORT ALL LOW VOLTAGE CABLING ABOVE ACCESSIBLE CEILINGS. PROVIDE SEPARATE CABLE MIDDLE SCHOOL 9. HANGERS FOR FIRE ALARM CABLING. INSTALL ALL EXPOSED CABLES IN EMT CONDUIT 2701 CROMPOND RD. OR SURFACE RACEWAY IN FINISHED AREAS. YORKTOWN HEIGHTS, NY 10598 7. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED. REVISIONS 8. OBTAIN WIRING AND INSTALLATION DIAGRAMS FOR ALL ELECTRICAL CONNECTIONS TO EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR PRIOR TO ROUGHING. WORK Description Date THAT IS NOT PROPERLY COORDINATED WILL BE RELOCATED AT NO COST TO THE GENERAL NOTES FIRE ALARM 1. PROVIDE FAN SHUTDOWN RELAYS FOR ALL FANS OVER 1000 CFM. VERIFY CFM ON MECHANICAL SCHEDULE AND PROVIDE SHUTDOWNS AS REQUIRED. 2. PROVIDE MODIFICATIONS AND WIRING REQUIRED TO CONNECT TO EXISTING EDWARDS FIRE ALARM CONTROL PANEL. **ISSUED:** BID ISSUE 3. PROVIDE REMOTE TEST SWITCH FOR ALL DUCT MOUNTED SMOKE DETECTORS. **DATE:** 10/25/2021 4. PROVIDE INDEPENDENT CABLE SUPPORTS FOR FIRE ALARM CABLE. **SCALE**: AS NOTED 5. ALL EXPOSED FIRE ALARM CABLE SHALL BE RUN IN CONDUIT OR SURFACE METAL SHEET NAME: RACEWAY AND BE INDEPENDENT OF ALL OTHER CABLING. REFER TO FIRE ALARM RISER DIAGRAM MS-E500. ELECTRICAL LEGEND & **ABBREVIATIONS** SHEET NUMBER: 15 14 13 12 11 10

15

14

13

12

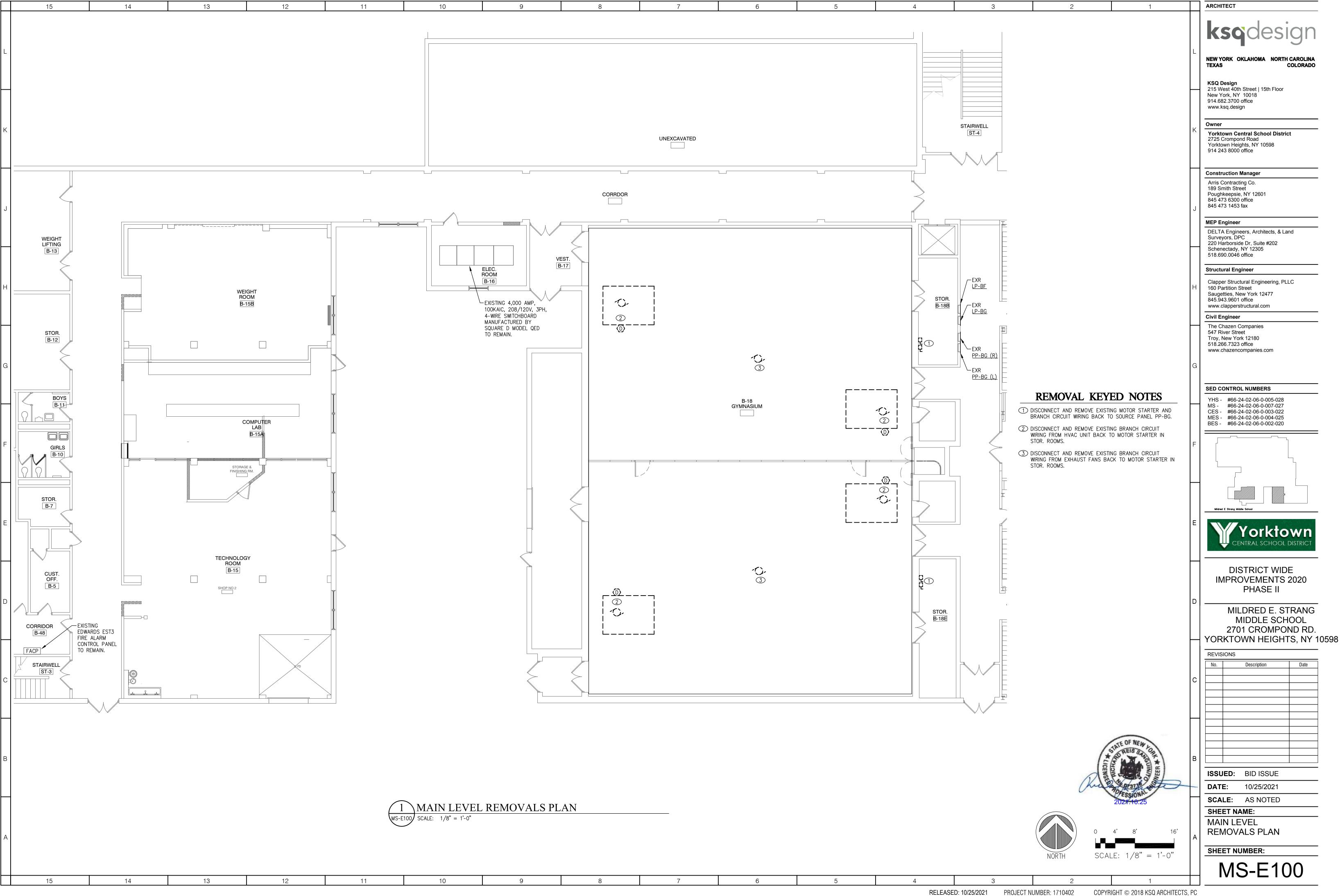
11

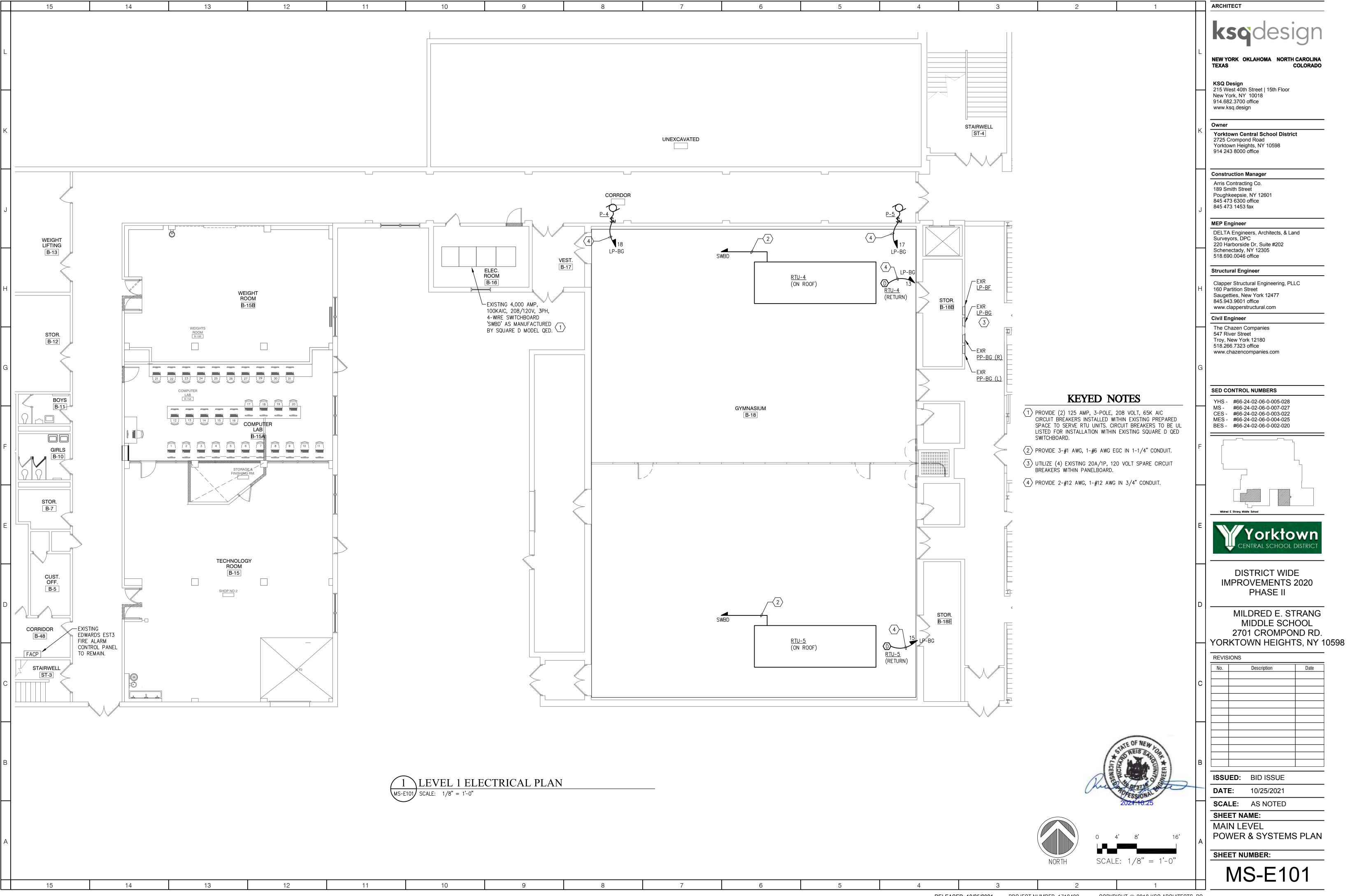
10

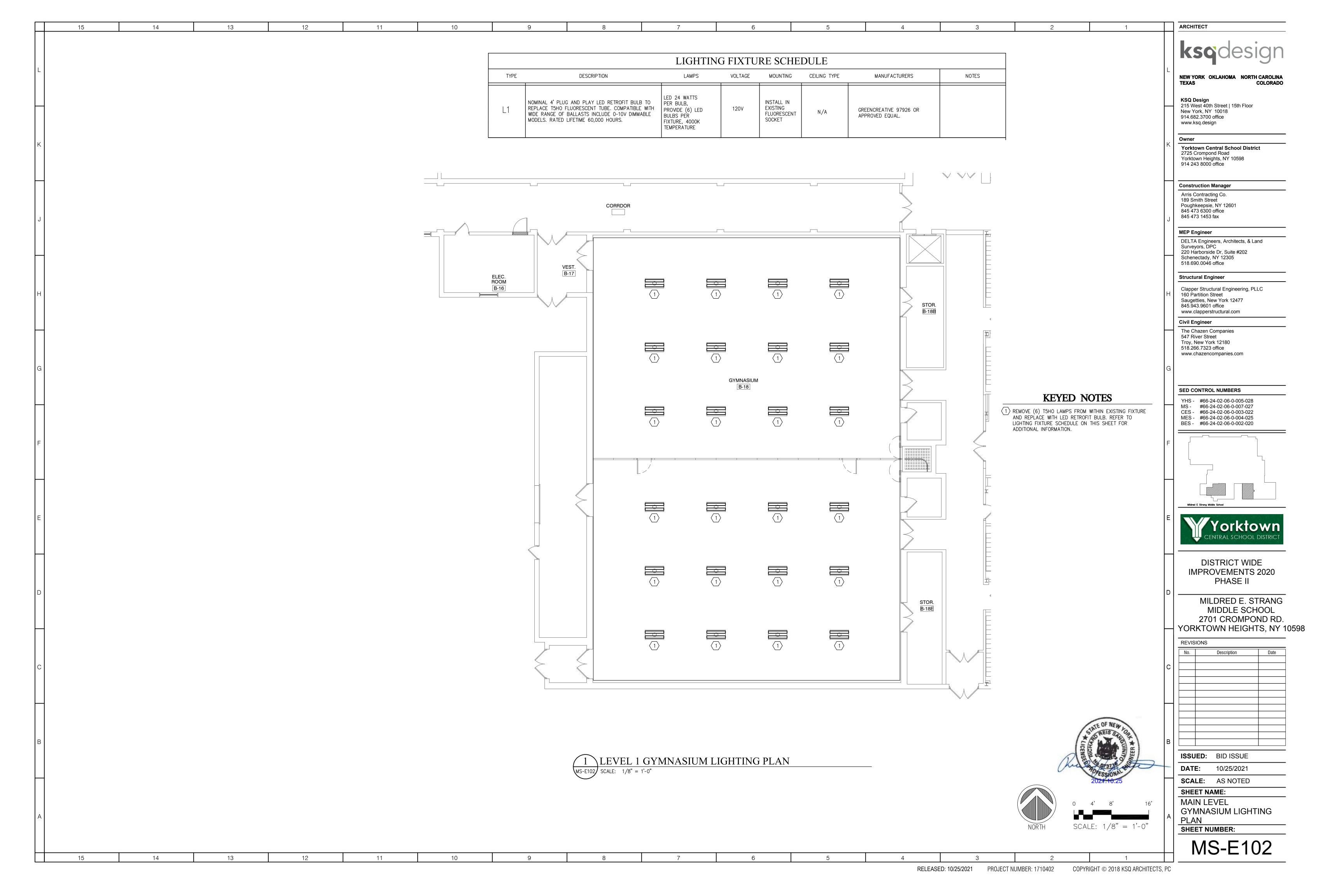
KEYED NOTES

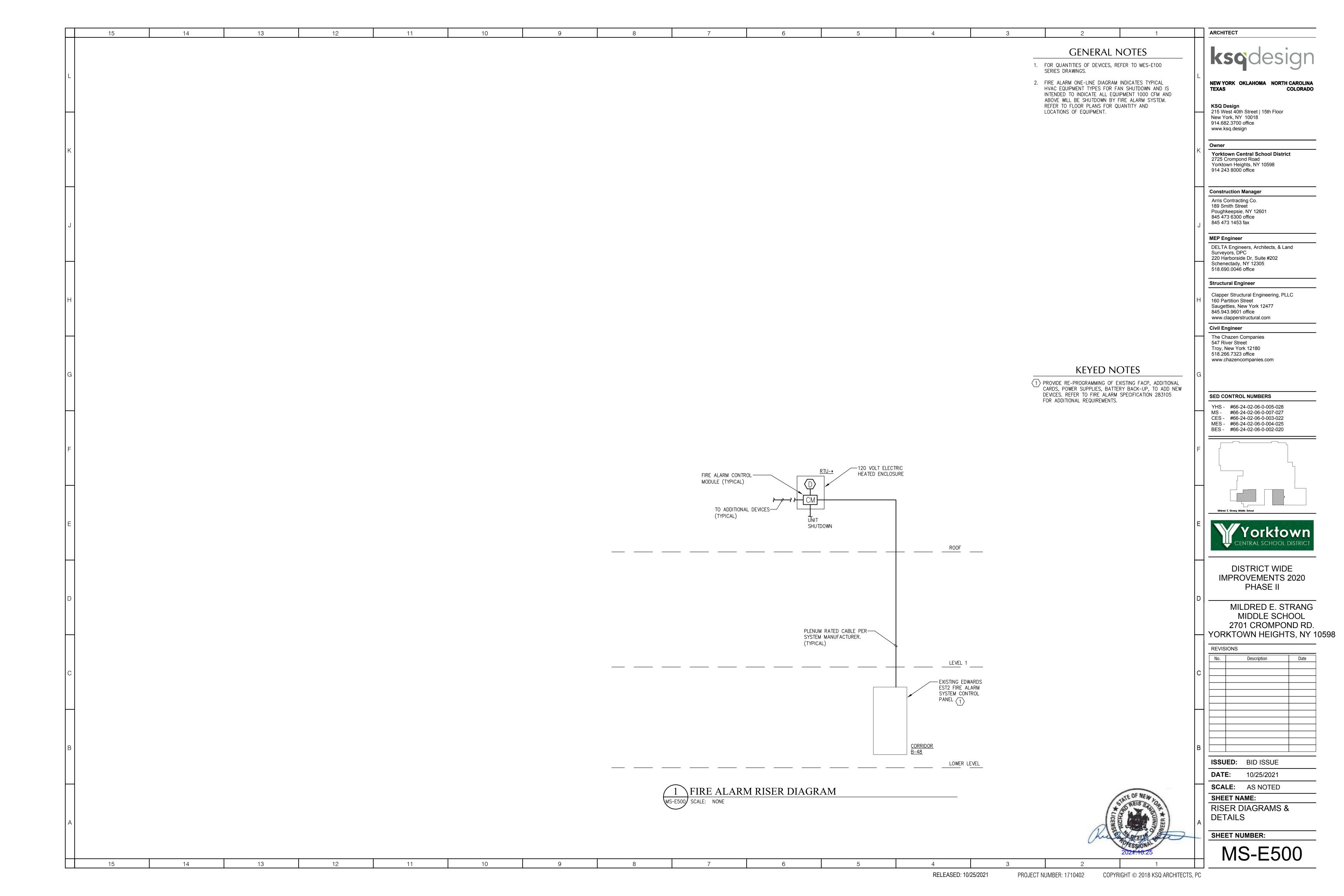
(1) FOR CABLE REQUIREMENTS SEE FIRE ALARM ONE-LINE

ARCHITECT









15

STRUCTURAL DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:

13

12

11

A) 2015 INTERNATIONAL BUILDING CODE WITH NEW YORK STATE SUPPLEMENT.

B) ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

C) AISC, MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, 14TH ED.

1. DEAD LOADS

SELF WEIGHT +

FLOORS: 15 PSF

CEILING: 10 PSF

ACCU-1: 1584 LBS

ACCU-2: 1584 LBS

2. LIVE LOADS FLOOR: 100 PSF

3. SEISMIC

ISMIC
RISK CATEGORY: III
SEISMIC IMPORTANCE FACTOR: 1.25
Ss: 0.251g
S1: 0.071g
SITE CLASS: C (FROM GEOTECH REPORT)
Sds: 0.201g
Sd1: 0.080g
SEISMIC DESIGN CATEGORY: B

GENERAL INFORMATION:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

"LOADS" INDICATED ON THIS DRAWING ARE THOSE FOR THE DESIGN OF THE BUILDING SUPERSTRUCTURE

- 1. ALL DETAILS MARKED "TYPICAL" IN THE SET OF STRUCTURAL DRAWINGS SHALL BE APPLIED THROUGHOUT THE PROJECT AS REQUIRED TO SATISFY THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL COORDINATE REQUIREMENTS FOR QUANTITY AND LOCATION WHERE THE "TYPICAL" DETAILS APPLY.
- 2. FAILURE ON THE PART OF THE CONTRACTOR TO REVIEW THE DRAWINGS OF OTHER DISCIPLINES (i.e. ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC.) TOGETHER WITH THE FULL EXTENT OF THE PROJECT SPECIFICATIONS DOES NOT RELIEVE THEM OF THE RESPONSIBILITY TO FURNISH AND INSTALL ITEMS THAT ARE PART OF THEIR WORK AS INDICATED BY THE DRAWINGS AND SPECIFICATIONS OF OTHER TRADES. ALL STRUCTURAL TRADE CONTRACTORS AND SUB-CONTRACTORS ARE PROHIBITED FROM EXCLUDING STRUCTURAL WORK FROM THEIR CONTRACT NOT SHOWN IN THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL GENERAL NOTES

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE A.I.S.C. STEEL CONSTRUCTION MANUAL 14TH EDITION.
- 2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS.

)	LLOWING SPECIFICATION	UNS.			
	MEMBER	A.S.T.M.		MIN. STRENGT	Ή
	ROLLED SHAPES		A992		50 KSI
	PLATES, CHANNELS, 8	k ANGLES	A36		36 KSI
	CONNECTION BOLTS		A325		92 KSI
	ANCHOR BOLTS		F1554		
	THREADED BOLTS		A36		36 KSI
	NON-SHRINK GROUT		C1107		8,000 PSI

- 3. WELDING SHALL BE IN ACCORDANCE WITH A.W.S. D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER A.I.S.C. REQUIREMENTS. FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 K.S.I.
- 4. MOMENT CONNECTIONS DENOTED THUS (▶) ON PLAN. SEE TYPICAL DETAILS.
- 5. HOLES IN STEEL BEAMS SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.
- 6. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETE CONDITION, AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, FRAMING, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

CAST-IN-PLACE CONCRETE GENERAL NOTES:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

- CONCRETE WORK SHALL CONFORM WITH THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE ACI 318 (LATEST EDITION).
- UNLESS OTHERWISE INDICATED ON DRAWINGS CAST-IN-PLACE CONCRETE SHALL DEVELOP A STRENGTH OF 3,500 PSI (FOOTINGS, FOUNDATION WALLS AND RETAINING WALLS); 3,500 PSI (SLAB ON GRADE) AT 28 DAYS.
- 3. TEMPERATURE REINFORCING SHALL BE SUFFICIENTLY EMBEDDED TO DEVELOP FULL STRENGTH IN CONCRETE WALLS AND SLABS.
- 4. PROVIDE ADEQUATE TIES FOR REINFORCEMENT IN SLABS, BEAMS, PIERS AND WALLS. REINFORCEMENT TO BE HELD AT CORRECT DISTANCE FROM FORMS AND EARTH BY STEEL CHAIRS OR TIES.
- 5. FOLLOW C.R.S.I. RULES FOR PLACING OF REINFORCING STEEL AND ACCESSORIES.
- 6. THIS CONTRACTOR SHALL COOPERATE WITH OTHER TRADES AND WHERE REQUIRED INSTALL ALL BUILT-IN WORK, SLEEVES, INSERTS, ETC., AS REQUIRED FOR A COMPLETE JOB.
- 7. STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTHS IN ONE OPERATION. CONSTRUCTION JOINTS SUCH AS A DAY'S POUR JOINTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SPAN, MAIN REINFORCING TO RUN THROUGH THE JOINT, KEY AND ROUGHEN JOINTS TO EXPOSE AGGREGATE FOR CHEMICAL BOND.
- 8. NO HORIZONTAL JOINTS SHALL BE PLACED IN WALLS EXCEPT AS SHOWN ON THE DRAWINGS, WITHOUT THE APPROVAL OF THE ENGINEER.
- 9. STRUCTURAL SLABS ON GRADE SHALL BE OF A THICKNESS AND REINFORCED AS INDICATED ON DRAWINGS.
- 10. SLABS-ON-GRADE SHALL HAVE THICKENINGS, DEPRESSIONS, OPENINGS, ETC., AS REQUIRED OR AS SHOWN HEREIN OR ON ARCHITECTURAL DRAWINGS.
- 11. PROVIDE 100% CONTINUITY OVER SUPPORTS FOR CONTINUOUS SLABS AND
- 12. TOP ELEVATION OF SLABS SHALL VARY ACCORDING TO FINISH FLOOR MATERIAL SEE ARCHITECTURAL DRAWINGS.
- 13. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF
- OPENINGS IN, FLOORS AND WALLS NOT SHOWN ON STRUCTURAL DRAWINGS.

 15. MAXIMUM STEP OF FOOTINGS SHALL BE ONE VERTICALLY TO TWO HORIZONTALLY
- WHERE ELEVATIONS CHANGE.
- 16. CONCRETE SHALL CONSIST OF THE FOLLOWING:
 READY MIX CONCRETE (ASTM C94)
 - MAX WATER TO CEMENT RATIO = 0.50
 - MAX AGGREGATE CONTENT SIZE OF 3/4 INCH (ASTM C33)
 - MAX SLUMP OF 5" + OR AN INCH (ASTM C143)
 - PORTLAND CEMENT: ASTM-C 150, TYPE 1
 - CLEAN POTABLE DRINKING WATER
 - AIR CONTENT TO BE 6% +/- 1.5% (INTERIOR SLABS TO HAVE 0% AIR)
- 17. REINFORCING STEEL SHALL CONSIST OF THE FOLLOWING:
- REINFORCING BARS: ASTM -A 615 GRADE 60 KSI
- WELDED WIRE FABRIC: ASTM-A 185
 18. PROVIDE CONTINUOUS REINFORCING WHEREVER POSSIBLE, PLACE ONLY AS SHOWN OR APPROVED, STAGGER SPLICES WHERE POSSIBLE.
- 19. ALL REINFORCING STEEL AND EMBEDMENT TO BE HELD SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO ALLOW WALKING ON REINFORCEMENT.
- 20. DETAIL ACCORDING TO ACI STANDARD 315, MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES.
- 21. CONCRETE MEMBERS SHALL NOT BE LOADED UNTIL SATISFACTORY CONCRETE STRENGTH HAS BEEN OBTAINED.
- 22. NO ADMIXTURES MAY BE USED UNLESS PRIOR APPROVAL BY THE OWNER/ENGINEER.
- 23. COLD WEATHER REQUIREMENT SHALL BE USED DURING FREEZING OR NEAR FREEZING WEATHER ACI 306.1-90. COLD WEATHER IS DEFINED AS 3 DAYS WITH AVG. TEMP. BELOW 40F.
- 24. DURING HOT WEATHER CONCRETE SHALL BE PLACED AND CURED IN ACCORDANCE WITH ACI 305.

SPECIAL INSPECTION SCHEDULE: FABRICATORS						
VEDICATION AND INSPECTION TASK	APPLICABLE TO THIS	FREQU	JENCY			
VERIFICATION AND INSPECTION TASK	PROJECT	CONTINUOUS	PERIODIC			
 VERIFY FABRICATION AND IMPLEMENTATION PROCEDURES: 	-	-	X			
A. STEEL CONSTRUCTION	-	-	Χ			
B. CONCRETE CONSTRUCTION (INCLUDING REBAR FABRICATION)	-	-	X			
C. WOOD CONSTRUCTION	NA	-	X			
D. COLD FORMED METAL CONSTRUCTION	-	-	X			
E. OTHER CONSTRUCTION	-	-	Χ			

SPECIAL INSPECTION SCHEDULE: STRUCTURAL STEEL CONSTRUCTION

VEDICIOATION AND INODESTION TASK	APPLICABLE	FREQUENCY	
VERIFICATION AND INSPECTION TASK	TO THIS PROJECT	CONTINUOUS	PERIODIO
 MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS: 			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	-	Х
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	-	Χ
2. INSPECTION OF HIGH STRENGTH BOLTING.			
A. SNUG-TIGHT JOINTS.	-	-	X
B. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	NA	-	X
C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	NA	Х	-
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS AND AISC360	-	-	Х
B. MANUFACTURER'S CERTIFIED TEST REPORTS.	-	-	X
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS.			
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	-	X
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	-	Х
5. INSPECTION OF WELDING, STRUCTURAL STEEL:			
A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	NA	X	-
B. MULTIPASS FILLET WELDS	NA	X	_
C. SINGLE-PASS FILLET WELDS > ⅓6"	NA	X	-
D. SINGLE-PASS FILLET WELDS (< OR =) $\frac{5}{16}$ "	-	-	Х
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS.			
A. DETAILS SUCH AS BRACING AND STIFFENING		-	Х
B. MEMBERS LOCATIONS	-	-	Χ
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	-	-	Х

NOTE: ALL STRUCTURAL STEEL WORK BY MECHANICAL CONTRACTOR

ARCHITECT

ksqdesig

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design
215 West 40th Street | 15th Floor
New York, NY 10018
914.682.3700 office
www.ksq.design

Owner

Yorktown Central School District 2725 Crompond Road Yorktown Heights, NY 10598 914 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305

Structural Engineer

518.690.0046 office

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer

The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027

CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE IMPROVEMENTS 2020

Crompond School 2901 Manor Street Yorktown Heights, NY 10598

REVISIONS

No. Description Date

ISSUED: BID ISSUE

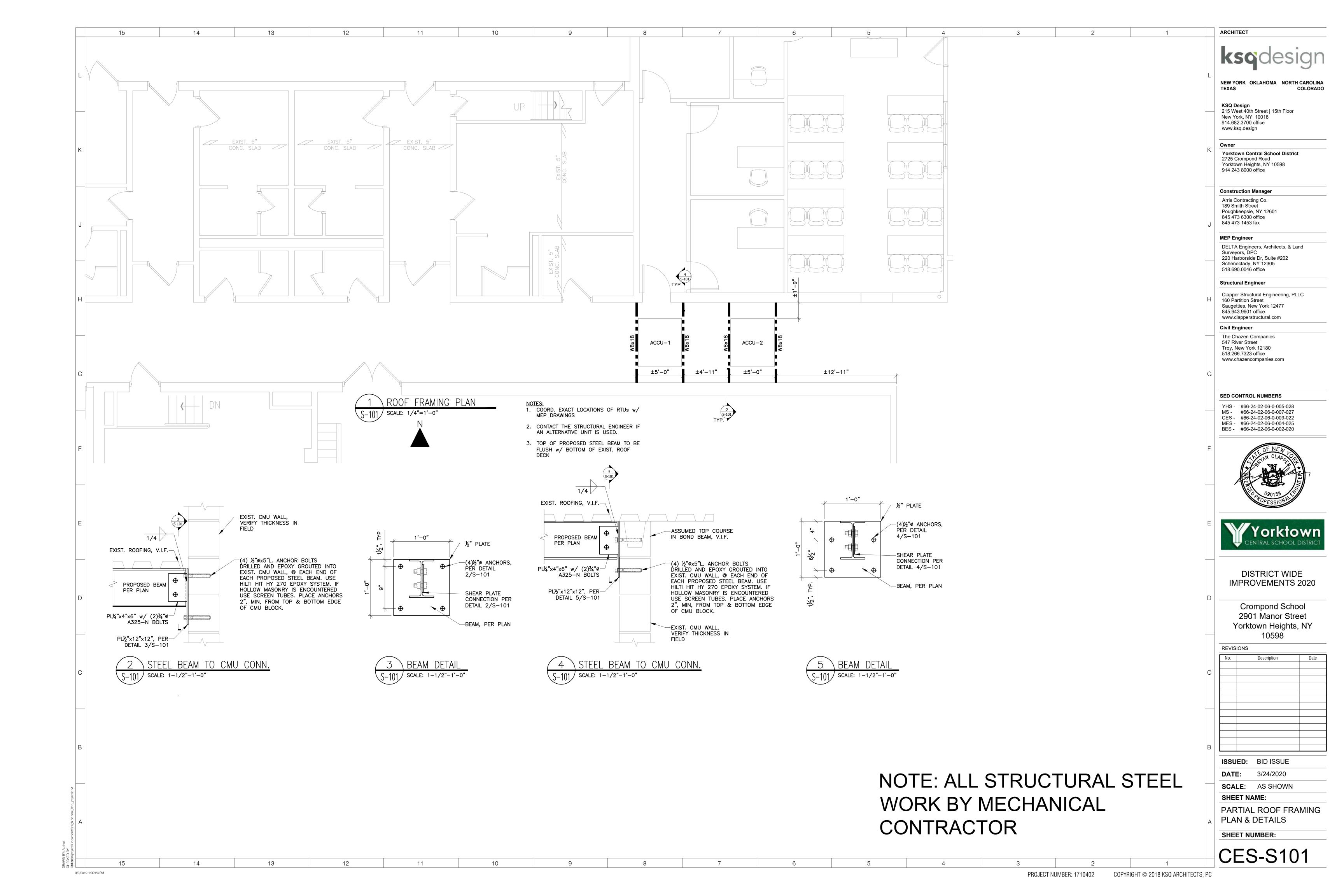
DATE: 3/24/2020

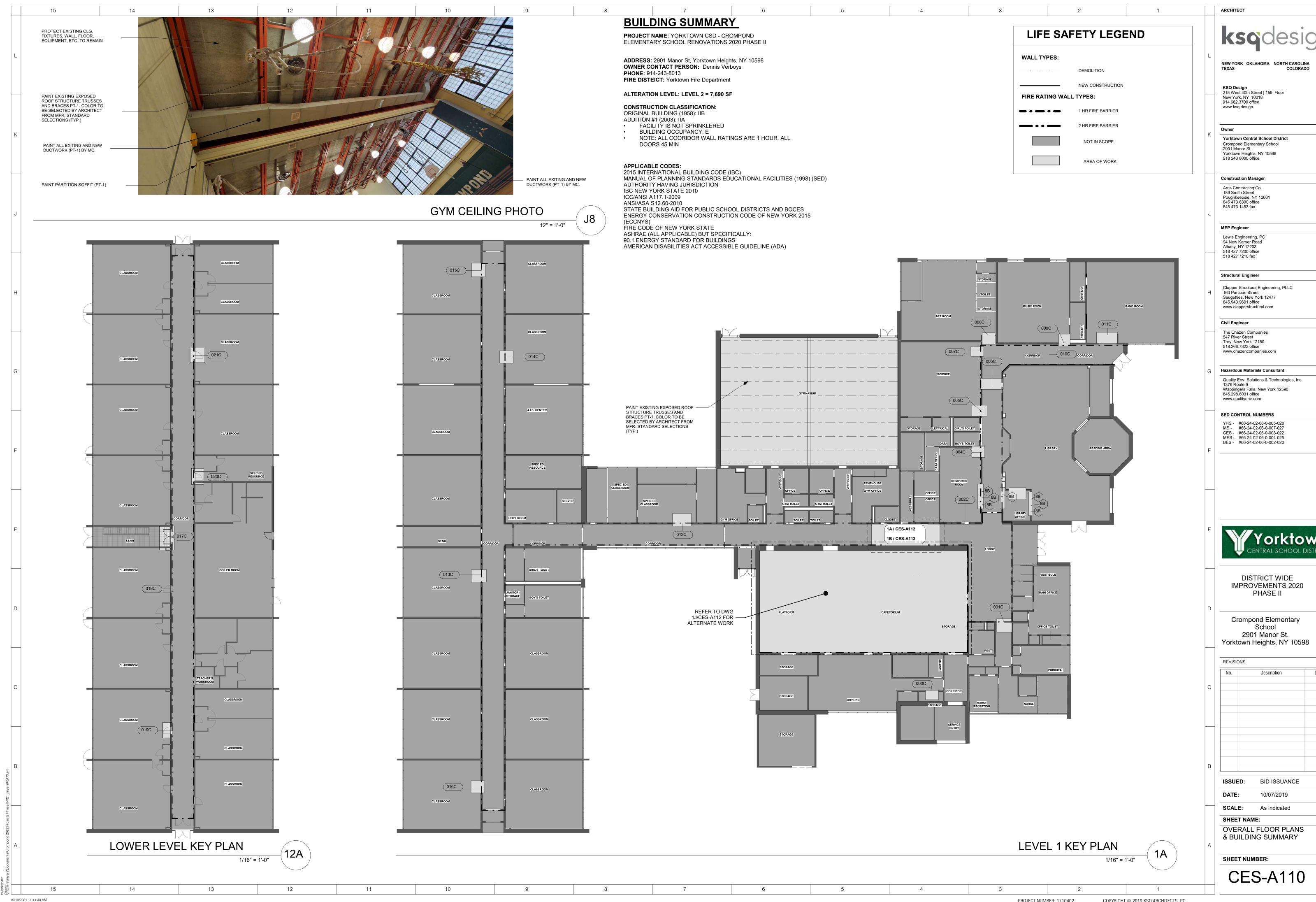
SCALE: AS SHOWN
SHEET NAME:

STRUCTURAL NOTES AND SPECIAL INSPECTIONS

SHEET NUMBER:

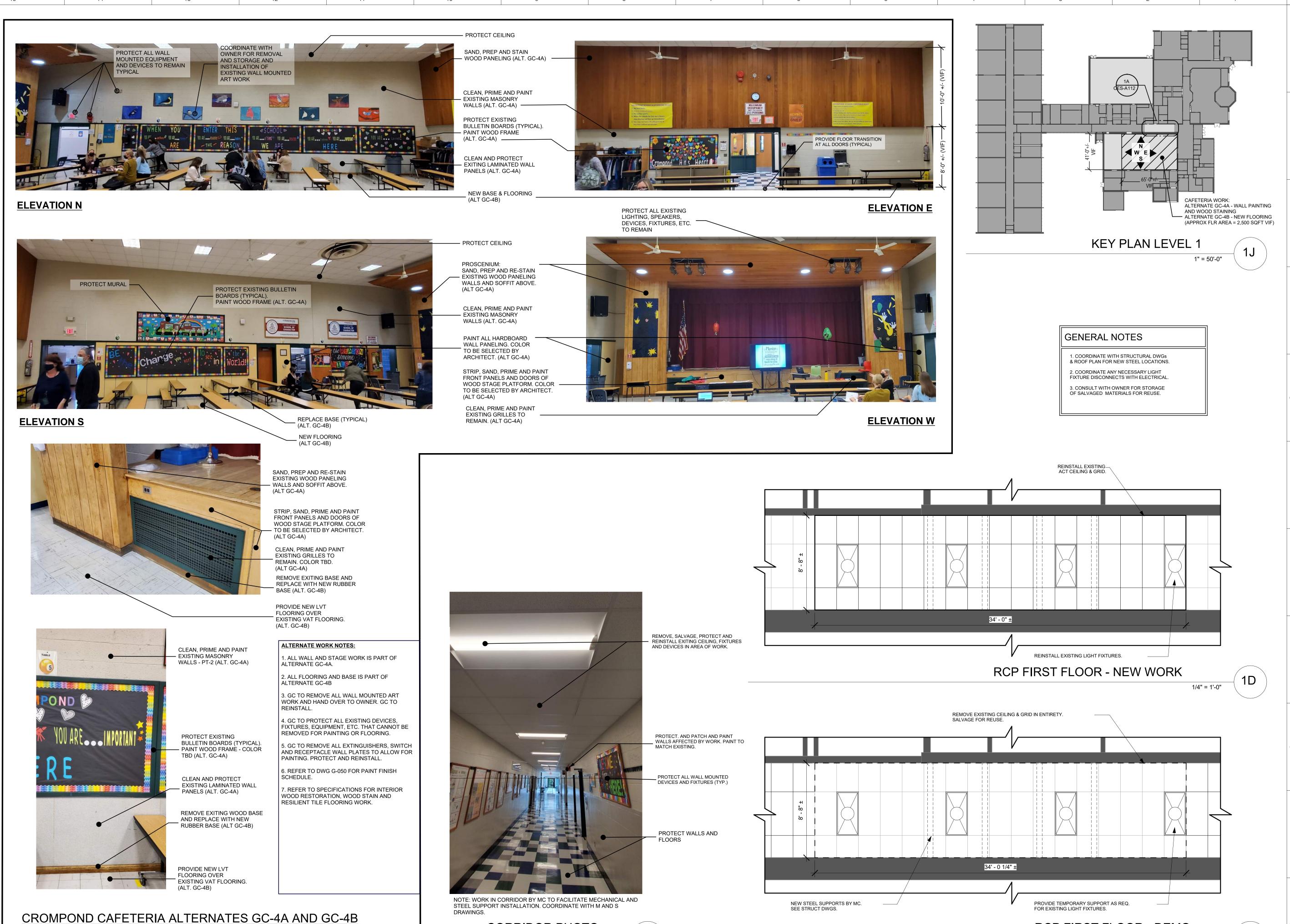
CES-S001





PROJECT NUMBER: 1710402





CORRIDOR PHOTO

12" = 1'-0"

NEW YORK OKLAHOMA NORTH CAROLINA

ARCHITECT

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Yorktown Central School District Crompond Elementary School 2901 Manor St. Yorktown Heights, NY 10598 918 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

Lewis Engineering, PC 94 New Karner Road Albany, NY 12203 518 427 7200 office 518 427 7210 fax

Structural Engineer

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer

The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

Hazardous Materials Consultant

Quality Env. Solutions & Technologies, Inc. 1376 Route 9 Wappingers Falls, New York 12590 845.298.6031 office www.qualityenv.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020



DISTRICT WIDE **IMPROVEMENTS 2020** PHASE II

Crompond Elementary School 2901 Manor St. Yorktown Heights, NY 10598

REVISIONS Description ISSUED: **BID ISSUANCE**

10/07/2019

SCALE: As indicated

RCP - ENLARGED FIRST FLOOR

& CAFETERIA ALTERNATES

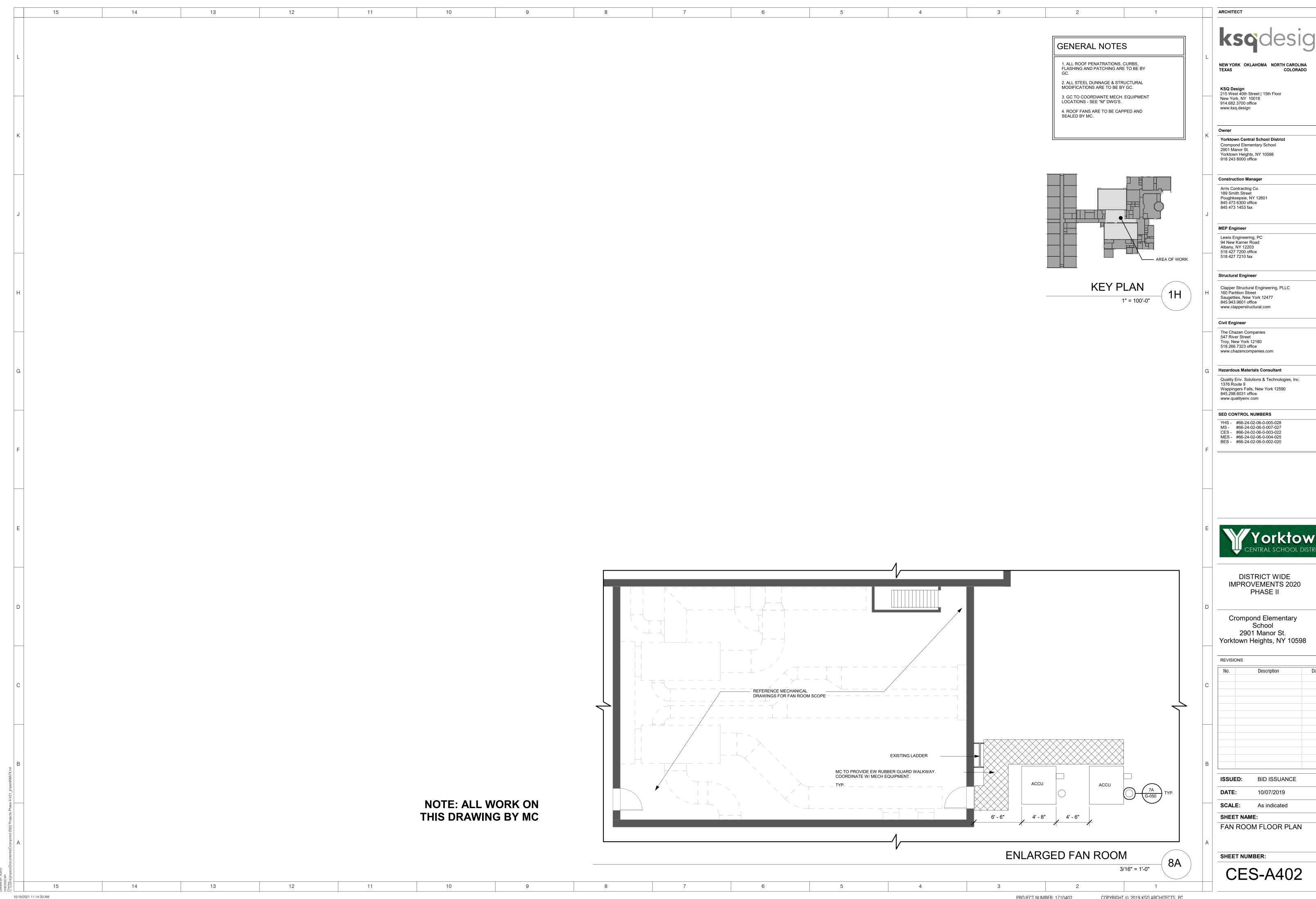
SHEET NUMBER:

SHEET NAME:

CES-A112

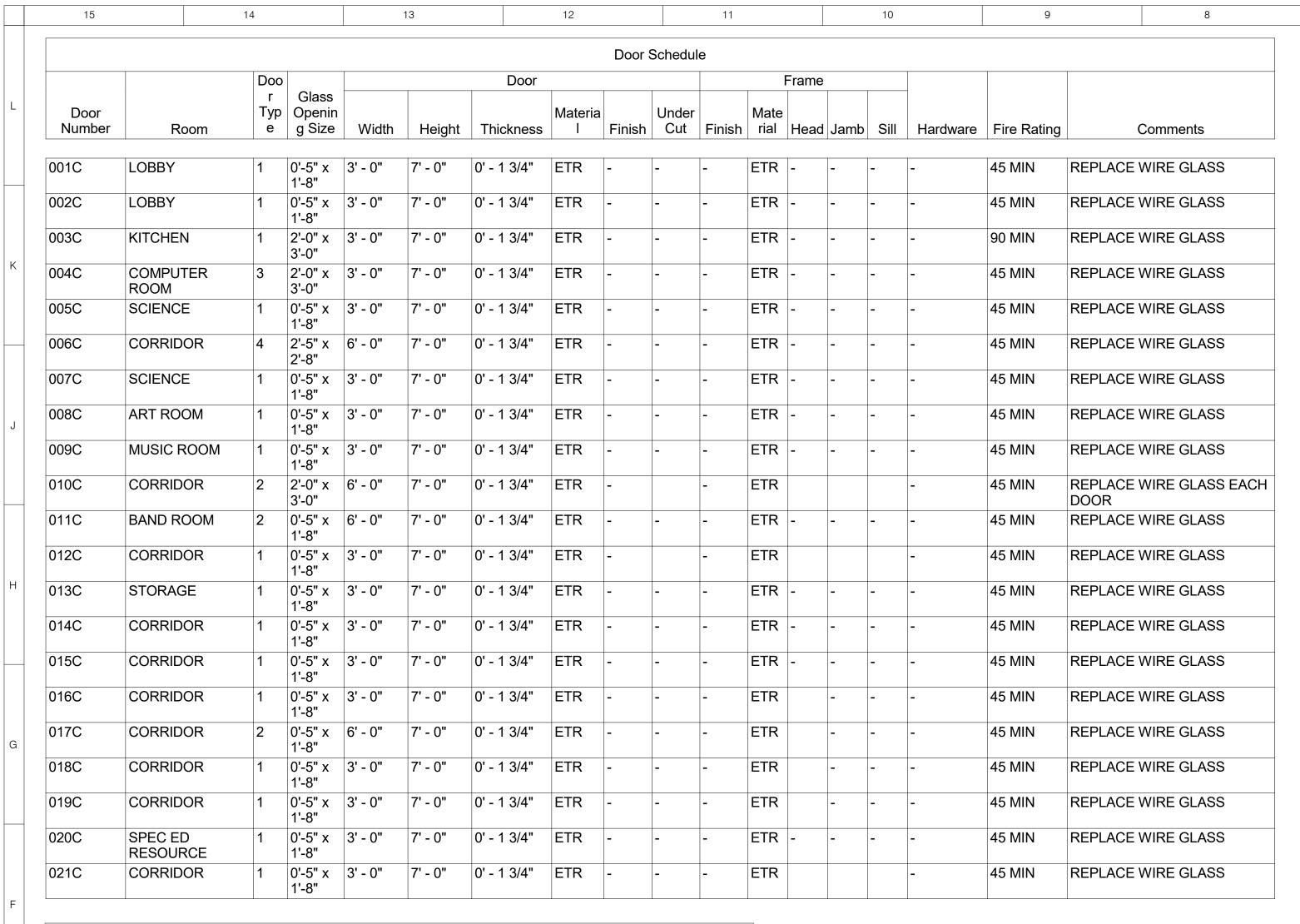
RCP FIRST FLOOR - DEMO

1/4" = 1'-0"





	3	
REVISIONS		
No.	Description	Date
ISSUED:	BID ISSUANCE	
DATF:	10/07/2019	



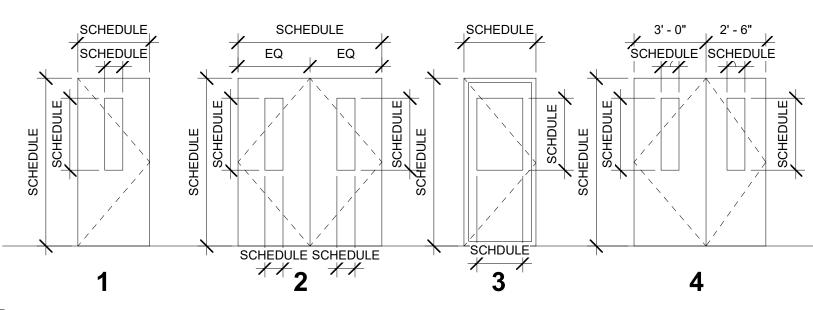
GENERAL NOTES

1. GC TO VERIFY ALL WIRED GLASS SIZING BEFORE REMOVALS

2. ALL NEW GLAZING TO BE 3/16" PYRAN F FIRE RATED.

3. ALL INTERIOR GLAZING SIZED AND TYPES ARE TO CONFORM TO NFPA 80 AND/OR ASTM E119

ETR-EXISTING TO REMAIN HM=HOLLOW METAL WD=WOOD -- = NOT APPLICABLE



DOOR TYPES 1/4" = 1'-0"

WINDOW SCHEDULE

8B 2'- 6" X 3'-10" 3/16" PYRAN F FIRE RATED GLAZING

1. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK, AMY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. NO DEMOLITION WORK SHALL COMMENCE WITHOUT FIELD VERIFICATION BY THE CONTRACTOR.

12

2. PROTECT EXISTING CONSTRUCTION TO REMAIN, PROVIDE TEMPORARY PROTECTION FROM DUST, NOISE, DAMAGE, ETC. DURING CONSTRUCTION. PROVIDE CONSTRUCTION BARRIERS AND OTHER SITE PROTECTION, AS PER THE SPECIFICATIONS.

WINDOW SCHEDULE

NOTE: ALL WORK ON THIS DRAWING BY GC ksodosio

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design
215 West 40th Street | 15th Floor
New York, NY 10018
914.682.3700 office
www.ksq.design

ARCHITECT

Owner

Yorktown Central School District
Crompond Elementary School
2901 Manor St.
Yorktown Heights, NY 10598
918 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

Lewis Engineering, PC 94 New Karner Road Albany, NY 12203 518 427 7200 office 518 427 7210 fax

Structural Engineer

Civil Engineer

Hazardous Materials Consultant

SED CONTROL NUMBERS



DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

Crompond Elementary School 2901 Manor St. Yorktown Heights, NY 10598

No.	Description	Da

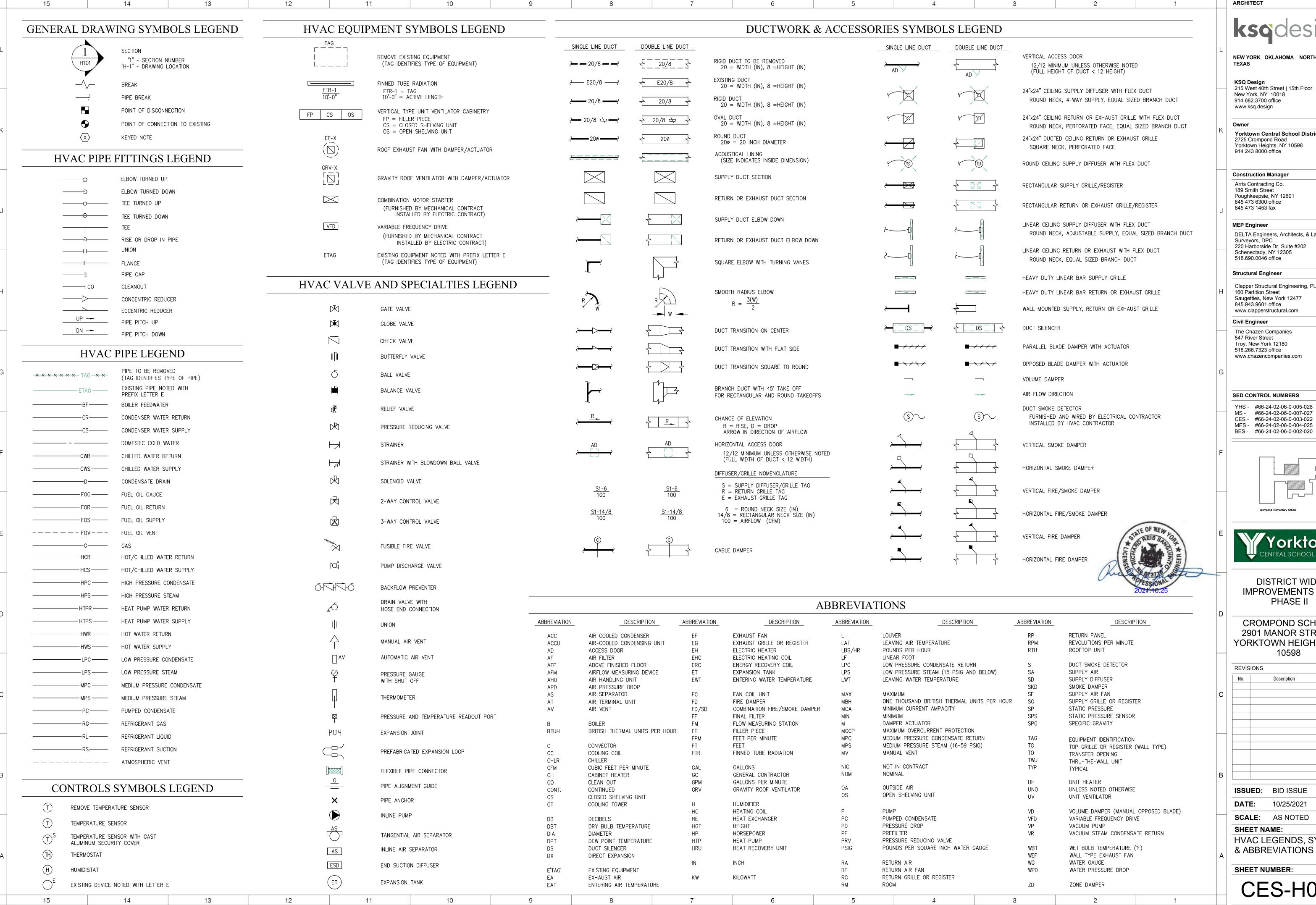
SCALE: 1/4" = 1'-0"

DOOR SCHEDULE AND DETAILS

SHEET NUMBER:

SHEET NAME:

CES-A600



ARCHITECT

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Owner **Yorktown Central School District** 2725 Crompond Road Yorktown Heights, NY 10598

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305 518.690.0046 office

Structural Engineer

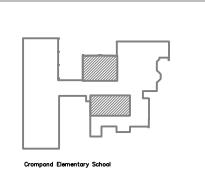
Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer The Chazen Companies

547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

CROMPOND SCHOOL 2901 MANOR STREET YORKTOWN HEIGHTS, NY

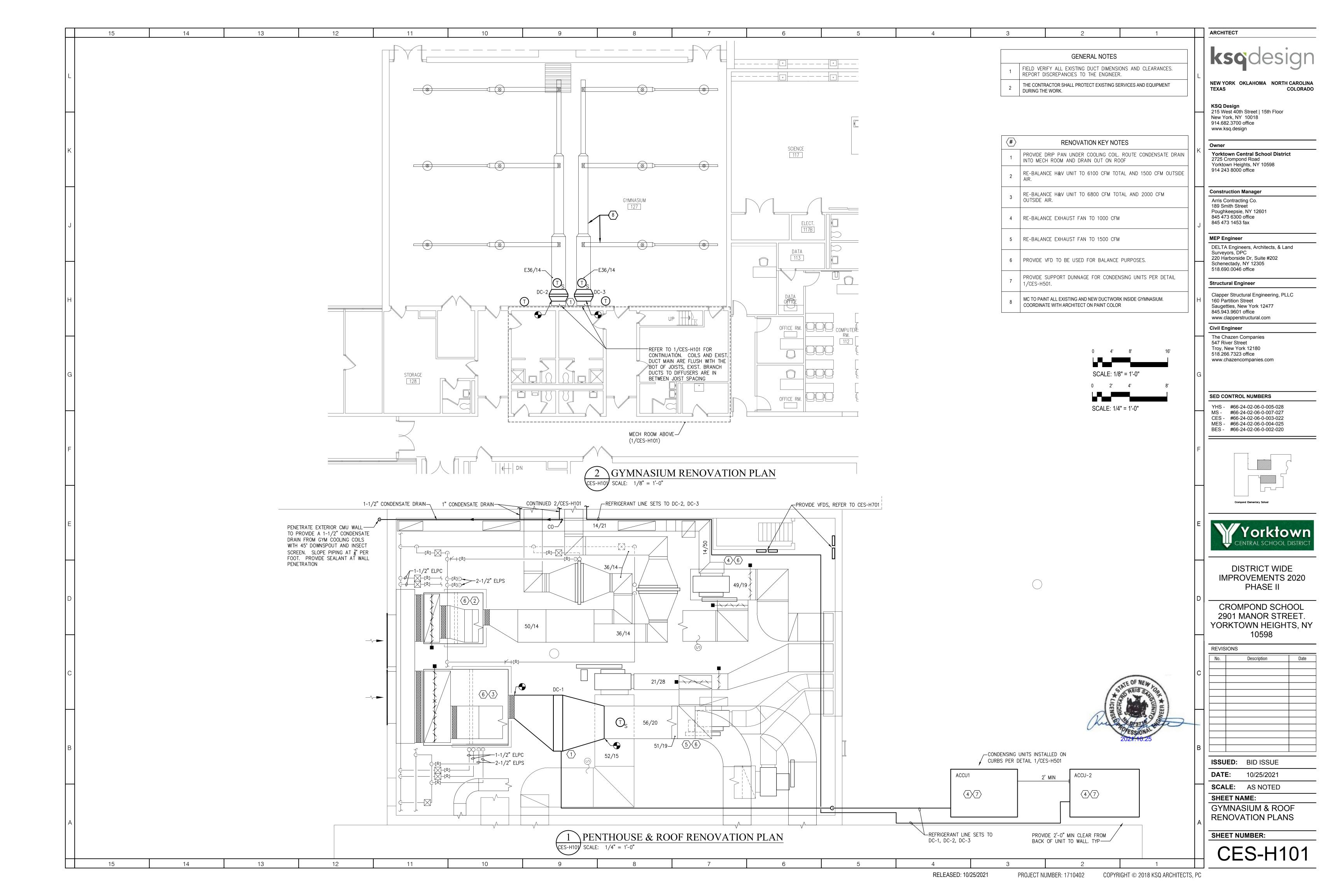
REVIS	IONS		
No.		Description	Date
ISSU	ED:	BID ISSUE	

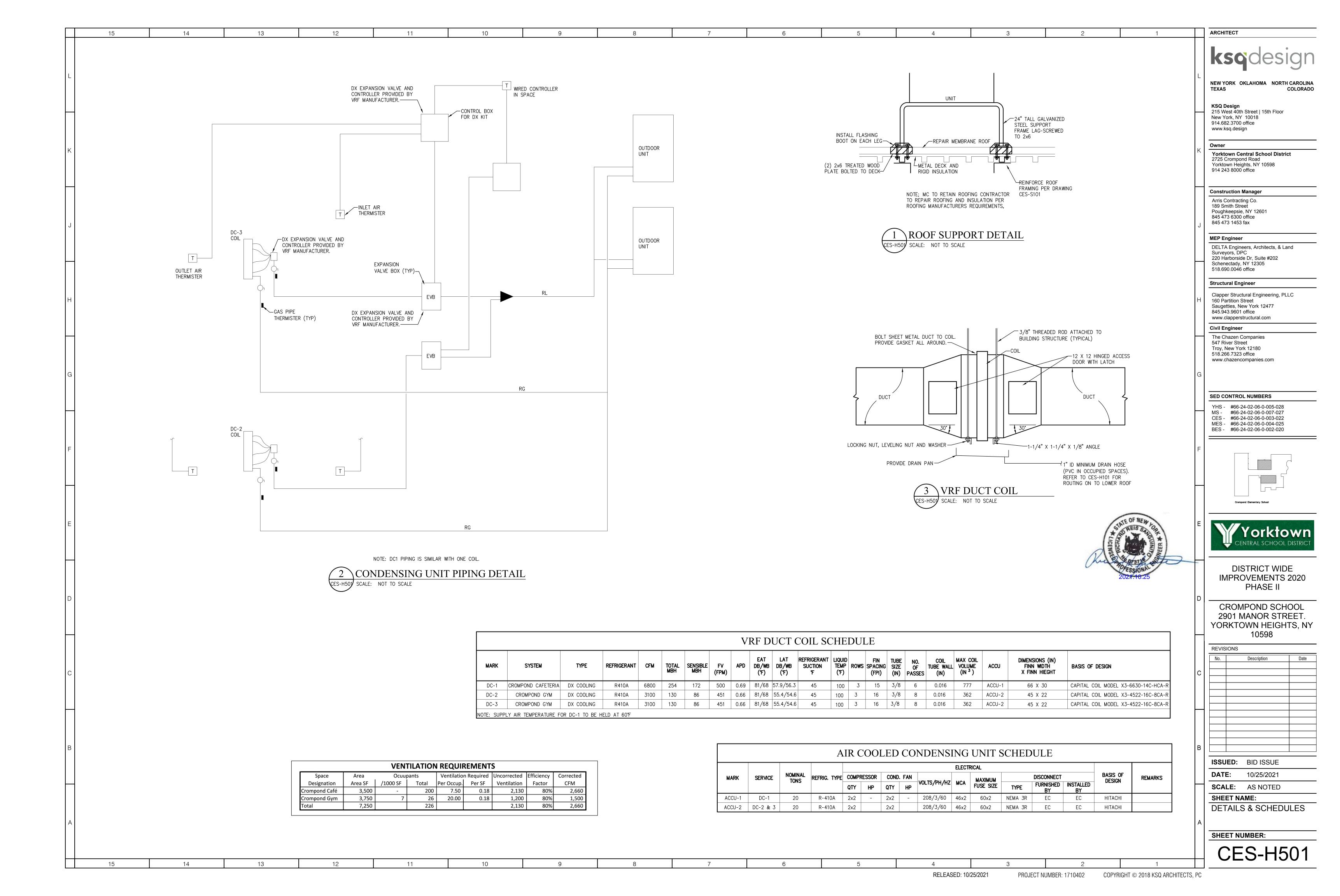
10/25/2021 DATE: **SCALE:** AS NOTED

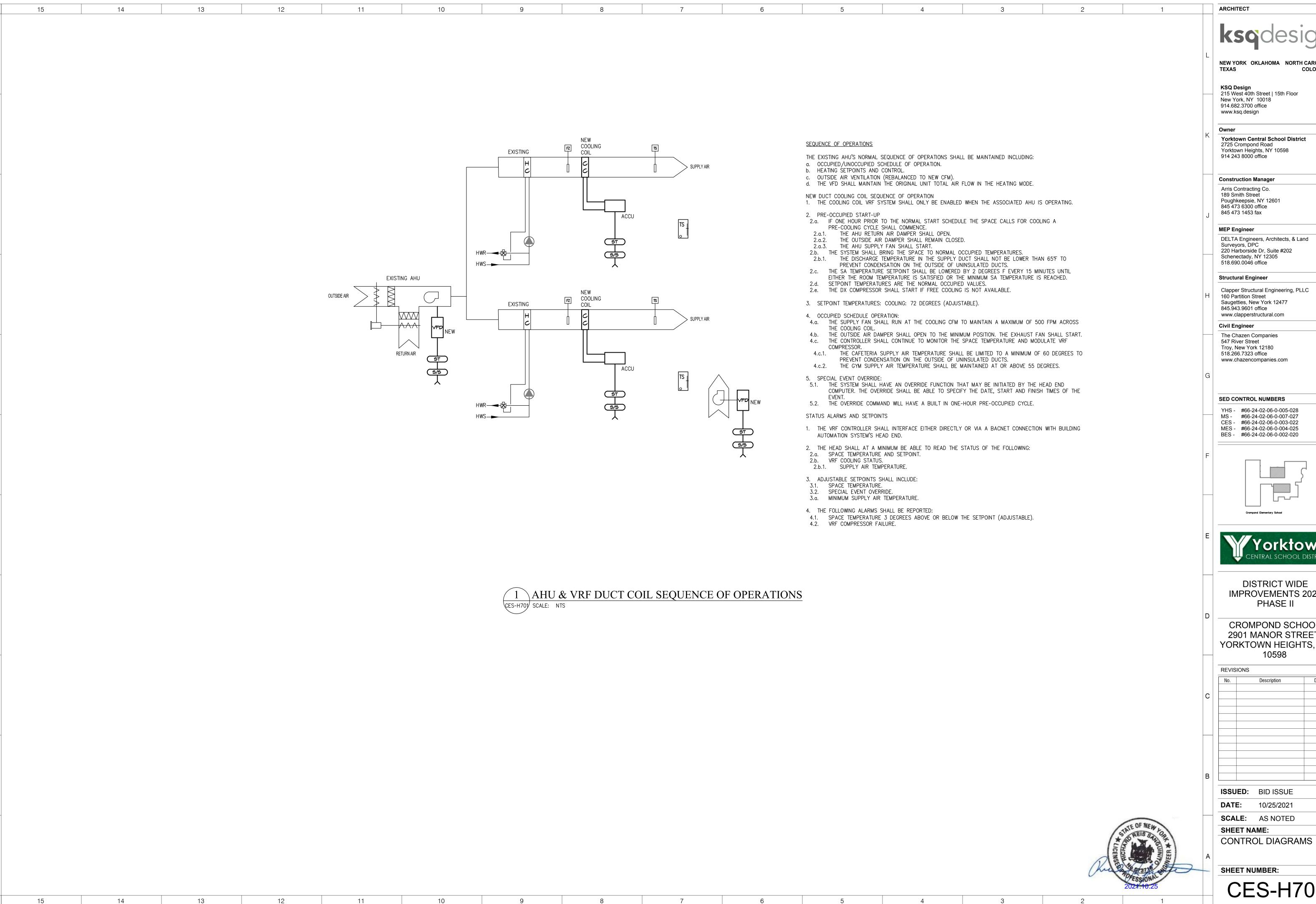
SHEET NAME: HVAC LEGENDS, SYMBOLS

SHEET NUMBER:

CES-H001







ARCHITECT

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Yorktown Central School District 2725 Crompond Road Yorktown Heights, NY 10598 914 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305

Structural Engineer

Clapper Structural Engineering, PLLC

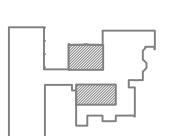
160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer The Chazen Companies 547 River Street Troy, New York 12180

518.266.7323 office www.chazencompanies.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE **IMPROVEMENTS 2020** PHASE II

CROMPOND SCHOOL 2901 MANOR STREET. YORKTOWN HEIGHTS, NY

REVISIONS				
No.	Description	Date		

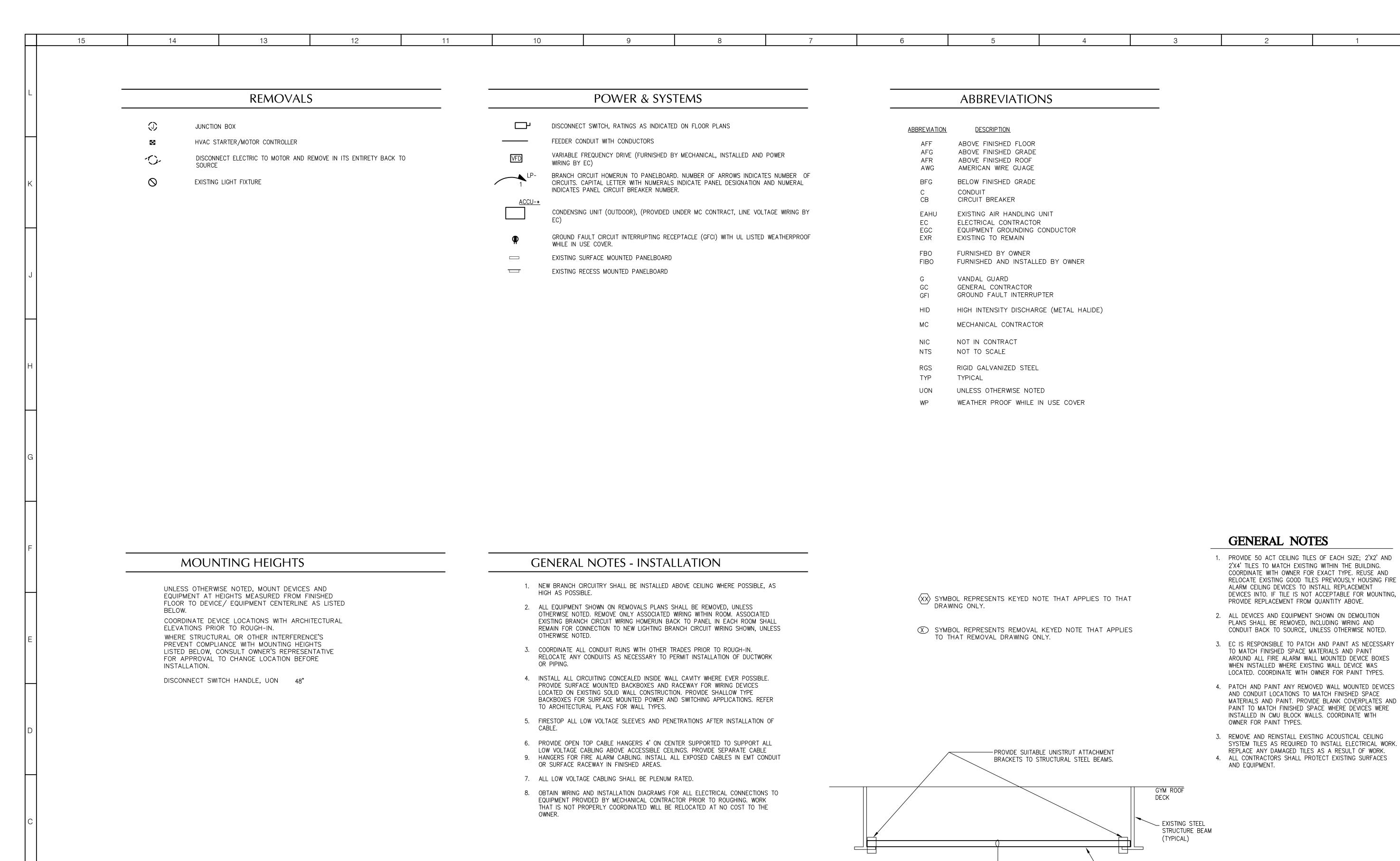
ISSUED: BID ISSUE 10/25/2021

SCALE: AS NOTED SHEET NAME:

CES-H701

RELEASED: 10/25/2021

PROJECT NUMBER: 1710402



	LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	LAMPS	VOLTAGE	MOUNTING	CEILING TYPE	MANUFACTURERS	NOTES	
L1	NOMINAL 2' X 4' LED HIGH BAY TROFFER (3) LED LIGHT BARS, RUGGED ALUMINUM MATTE WHITE HOUSING. GLOSS WHITE WIRE GUARD OVER HOUSING. nLIGHT nMSI360D INTEGRAL 360 DEGREE HIGH MOUNT MOTION SENSOR WITH DIMMING, PRE-WIRED. nLIGHT N80 CONTROL, ELDOLED DIMMING DRIVER 0-10V CONTINUOUS DIMMING DRIVER DOWN TO 1% STANDARD EFFICIENCY.	LED 102 WATTS, 18000 LUMENS, 90+ CRI, 4000K TEMPERATURE	120V	(2) FACTORY 10' V AIRCRAFT CABLES PER FIXTURE TO UNI-STRUT	EXPOSED STRUCTURE	LITHONIA "IBG SERIES" OR EQUAL BY METALUX OR HUBBELL	AIRCAFT CABLES MOUNT FIXTURES FROM UNI-STRUT TO FLUSH WITH ACCOUSTIC BAFFLES ~26'-0"AFF	

11

10

12

15

14

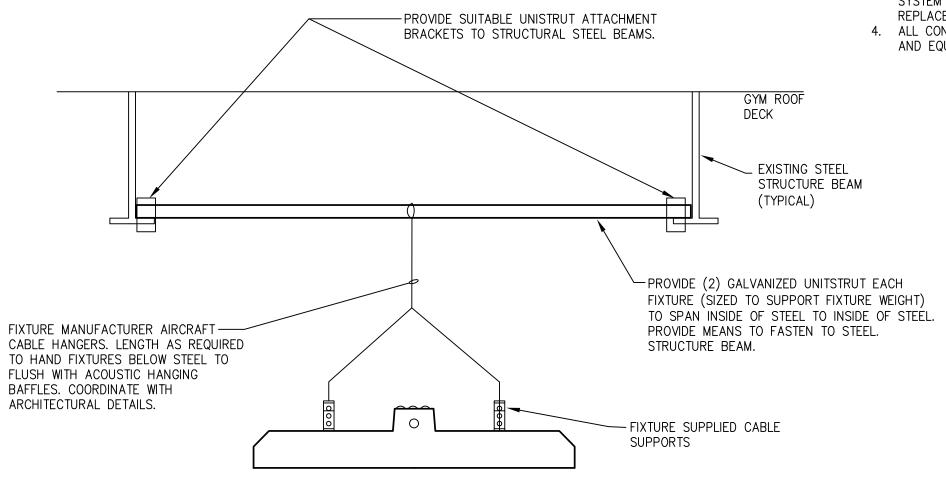
13

2. ALL DEVICES AND EQUIPMENT SHOWN ON DEMOLITION PLANS SHALL BE REMOVED, INCLUDING WIRING AND CONDUIT BACK TO SOURCE, UNLESS OTHERWISE NOTED.

3. EC IS RESPONSIBLE TO PATCH AND PAINT AS NECESSARY TO MATCH FINISHED SPACE MATERIALS AND PAINT AROUND ALL FIRE ALARM WALL MOUNTED DEVICE BOXES WHEN INSTALLED WHERE EXISTING WALL DEVICE WAS

4. PATCH AND PAINT ANY REMOVED WALL MOUNTED DEVICES AND CONDUIT LOCATIONS TO MATCH FINISHED SPACE MATERIALS AND PAINT, PROVIDE BLANK COVERPLATES AND PAINT TO MATCH FINISHED SPACE WHERE DEVICES WERE INSTALLED IN CMU BLOCK WALLS. COORDINATE WITH

3. REMOVE AND REINSTALL EXISTING ACOUSTICAL CEILING SYSTEM TILES AS REQUIRED TO INSTALL ELECTRICAL WORK. REPLACE ANY DAMAGED TILES AS A RESULT OF WORK. 4. ALL CONTRACTORS SHALL PROTECT EXISTING SURFACES



GYM LIGHTING HIGH BAY INSTALLATION DETAIL BES-000 SCALE: NONE

5

ARCHITECT

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Owner

Yorktown Central School District 2725 Crompond Road Yorktown Heights, NY 10598 914 243 8000 office

Arris Contracting Co. 189 Smith Street

Construction Manager

Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305 518.690.0046 office

Structural Engineer

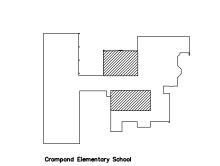
Civil Engineer

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE **IMPROVEMENTS 2020** PHASE II

CROMPOND SCHOOL 2901 MANOR STREET. YORKTOWN HEIGHTS, NY

No.	Description	Date

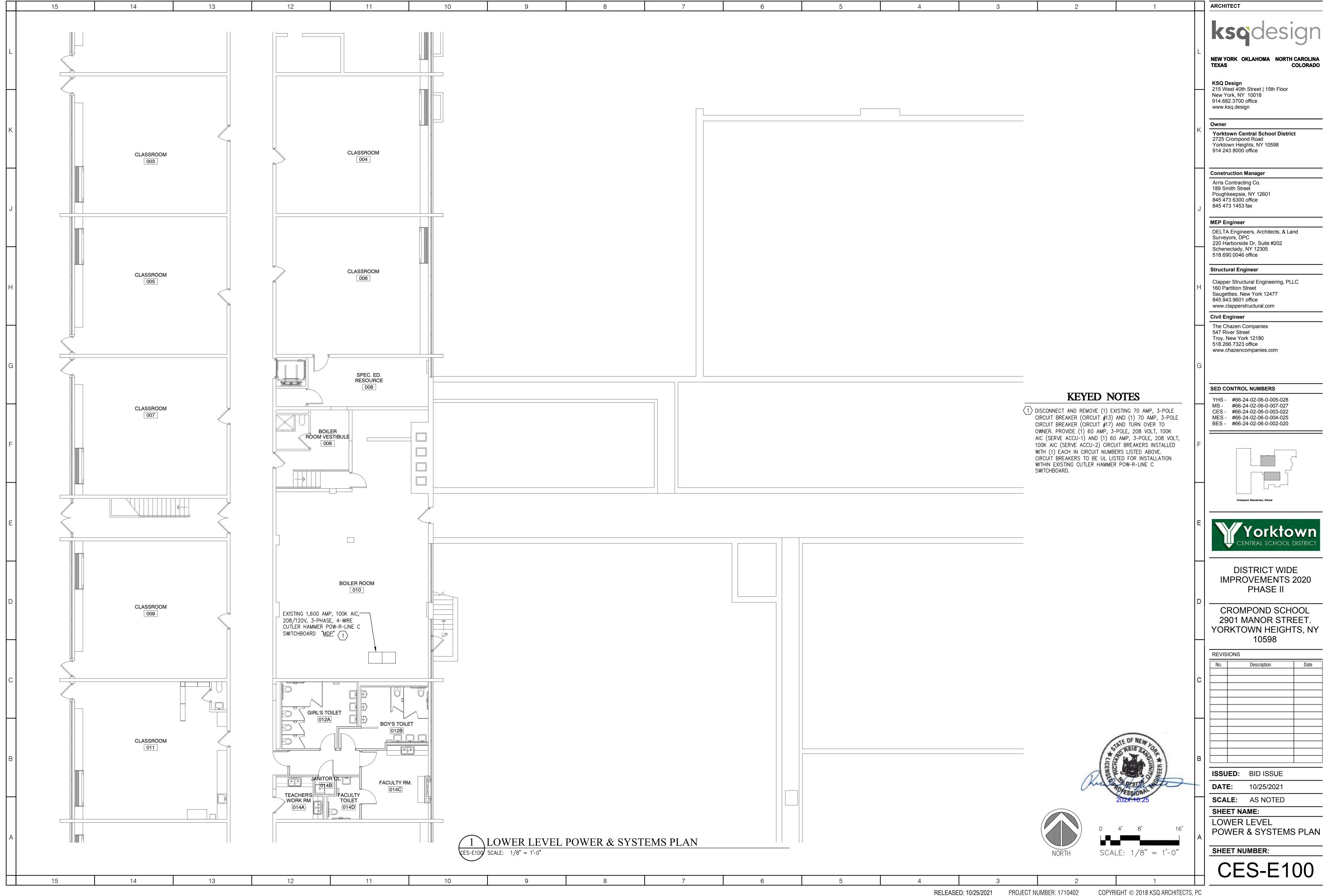
ISSUED: BID ISSUE **DATE**: 10/25/2021

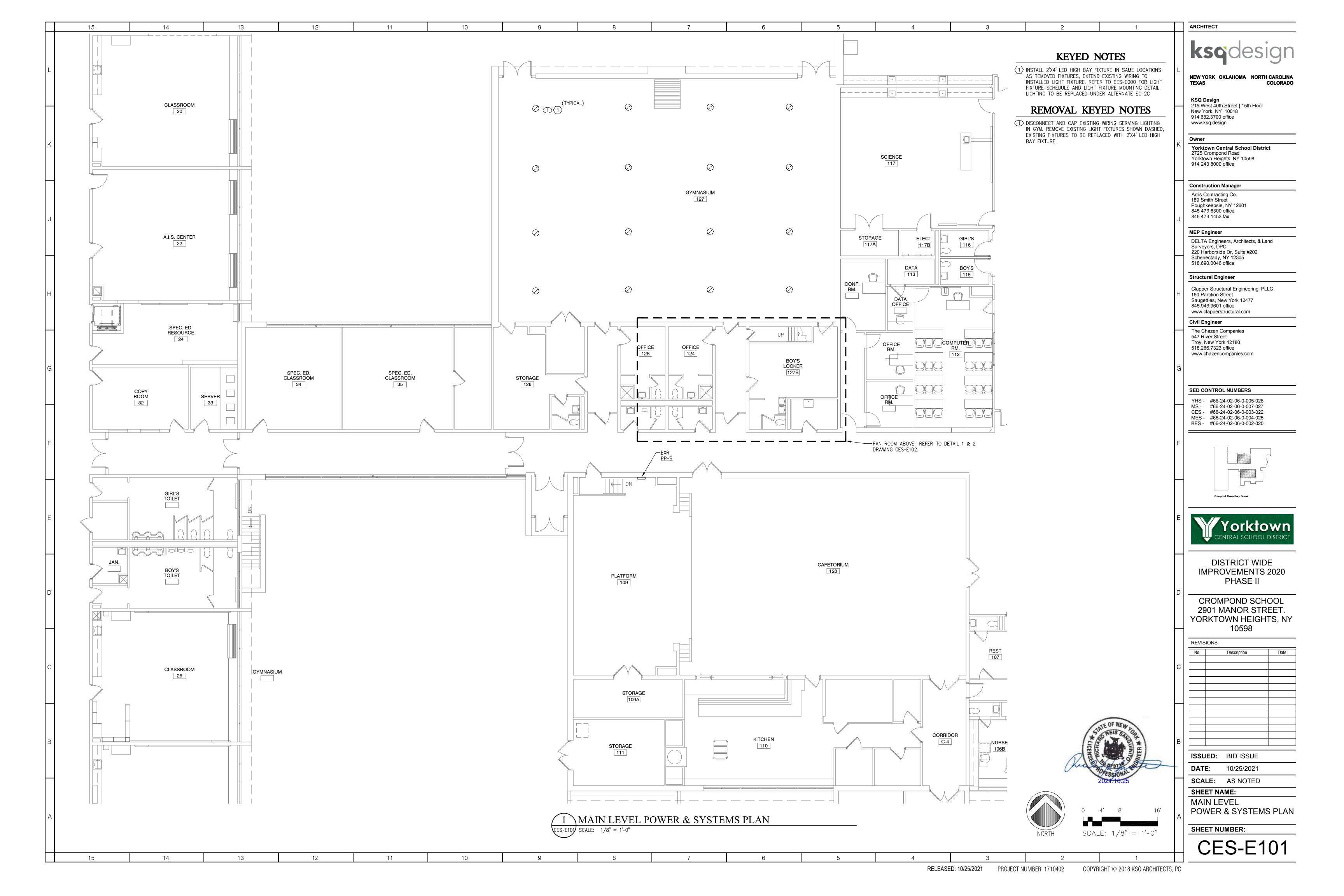
SCALE: AS NOTED SHEET NAME:

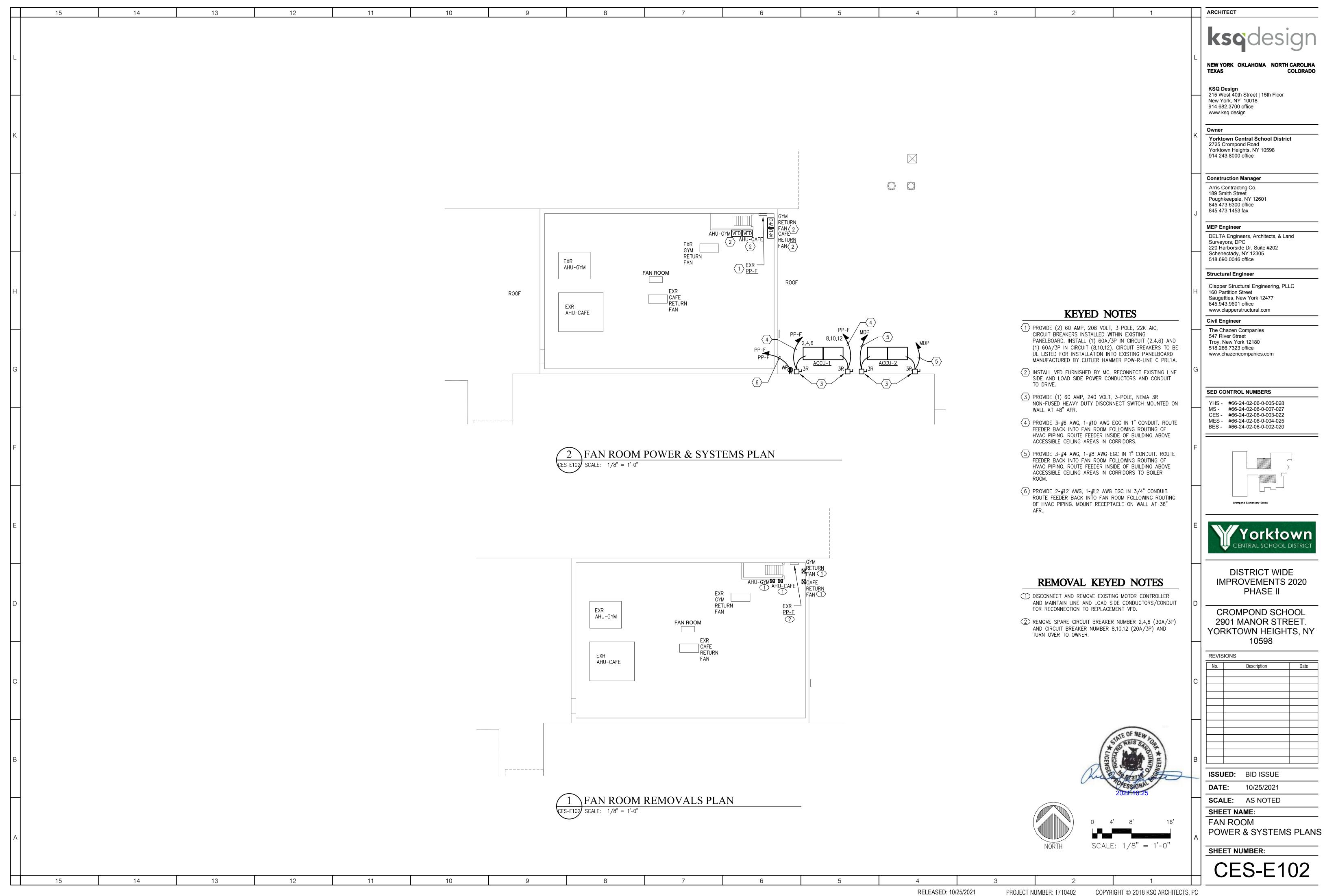
ELECTRICAL LEGEND & **ABBREVIATIONS**

SHEET NUMBER:

PROJECT NUMBER: 1710402







PROJECT NUMBER: 1710402

15

STRUCTURAL DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:

13

12

11

A) 2015 INTERNATIONAL BUILDING CODE WITH NEW YORK STATE SUPPLEMENT.

B) ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

C) AISC, MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, 14TH ED.

1. DEAD LOADS

SELF WEIGHT +

FLOORS: 15 PSF

CEILING: 10 PSF

ACCU-1: 1584 LBS

2. LIVE LOADS FLOOR: 100 PSF

ACCU-2: 1584 LBS

3. SEISMIC
RISK CATEGORY: III
SEISMIC IMPORTANCE FACTOR: 1.25
Ss: 0.251g
S1: 0.071g
SITE CLASS: C (FROM GEOTECH REPORT)
Sds: 0.201g
Sd1: 0.080g
SEISMIC DESIGN CATEGORY: B

GENERAL INFORMATION:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

"LOADS" INDICATED ON THIS DRAWING ARE THOSE FOR THE DESIGN OF THE BUILDING SUPERSTRUCTURE

- 1. ALL DETAILS MARKED "TYPICAL" IN THE SET OF STRUCTURAL DRAWINGS SHALL BE APPLIED THROUGHOUT THE PROJECT AS REQUIRED TO SATISFY THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL COORDINATE REQUIREMENTS FOR QUANTITY AND LOCATION WHERE THE "TYPICAL" DETAILS APPLY.
- 2. FAILURE ON THE PART OF THE CONTRACTOR TO REVIEW THE DRAWINGS OF OTHER DISCIPLINES (i.e. ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC.) TOGETHER WITH THE FULL EXTENT OF THE PROJECT SPECIFICATIONS DOES NOT RELIEVE THEM OF THE RESPONSIBILITY TO FURNISH AND INSTALL ITEMS THAT ARE PART OF THEIR WORK AS INDICATED BY THE DRAWINGS AND SPECIFICATIONS OF OTHER TRADES. ALL STRUCTURAL TRADE CONTRACTORS AND SUB-CONTRACTORS ARE PROHIBITED FROM EXCLUDING STRUCTURAL WORK FROM THEIR CONTRACT NOT SHOWN IN THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL GENERAL NOTES

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE A.I.S.C. STEEL CONSTRUCTION MANUAL 14TH EDITION.
- 2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS.

וע	LLOWING SPECIFICATION	JINO.			
	MEMBER	A.S.T.M.		MIN. STRENGT	Н
	ROLLED SHAPES		A992		50 KSI
	PLATES, CHANNELS, &	ANGLES	A36		36 KSI
	CONNECTION BOLTS		A325		92 KSI
	ANCHOR BOLTS		F1554		
	THREADED BOLTS		A36		36 KSI
	NON-SHRINK GROUT		C1107		8,000 PS

- 3. WELDING SHALL BE IN ACCORDANCE WITH A.W.S. D1.1 USING E7OXX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER A.I.S.C. REQUIREMENTS. FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 K.S.I.
- 4. MOMENT CONNECTIONS DENOTED THUS (▶) ON PLAN. SEE TYPICAL DETAILS.
- 5. HOLES IN STEEL BEAMS SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.
- 6. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETE CONDITION, AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, FRAMING, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

CAST-IN-PLACE CONCRETE GENERAL NOTES:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

- CONCRETE WORK SHALL CONFORM WITH THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE ACI 318 (LATEST EDITION).
- UNLESS OTHERWISE INDICATED ON DRAWINGS CAST-IN-PLACE CONCRETE SHALL DEVELOP A STRENGTH OF 3,500 PSI (FOOTINGS, FOUNDATION WALLS AND RETAINING WALLS); 3,500 PSI (SLAB ON GRADE) AT 28 DAYS.
- 3. TEMPERATURE REINFORCING SHALL BE SUFFICIENTLY EMBEDDED TO DEVELOP FULL STRENGTH IN CONCRETE WALLS AND SLABS.
- 4. PROVIDE ADEQUATE TIES FOR REINFORCEMENT IN SLABS, BEAMS, PIERS AND WALLS. REINFORCEMENT TO BE HELD AT CORRECT DISTANCE FROM FORMS AND EARTH BY STEEL CHAIRS OR TIES.
- 5. FOLLOW C.R.S.I. RULES FOR PLACING OF REINFORCING STEEL AND ACCESSORIES.
- 6. THIS CONTRACTOR SHALL COOPERATE WITH OTHER TRADES AND WHERE REQUIRED INSTALL ALL BUILT-IN WORK, SLEEVES, INSERTS, ETC., AS REQUIRED FOR A COMPLETE JOB.
- 7. STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTHS IN ONE OPERATION. CONSTRUCTION JOINTS SUCH AS A DAY'S POUR JOINTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SPAN, MAIN REINFORCING TO RUN THROUGH THE JOINT, KEY AND ROUGHEN JOINTS TO EXPOSE AGGREGATE FOR CHEMICAL BOND.
- 8. NO HORIZONTAL JOINTS SHALL BE PLACED IN WALLS EXCEPT AS SHOWN ON THE DRAWINGS, WITHOUT THE APPROVAL OF THE ENGINEER.
- 9. STRUCTURAL SLABS ON GRADE SHALL BE OF A THICKNESS AND REINFORCED AS INDICATED ON DRAWINGS.
- 10. SLABS-ON-GRADE SHALL HAVE THICKENINGS, DEPRESSIONS, OPENINGS, ETC., AS REQUIRED OR AS SHOWN HEREIN OR ON ARCHITECTURAL DRAWINGS.
- 11. PROVIDE 100% CONTINUITY OVER SUPPORTS FOR CONTINUOUS SLABS AND
- 12. TOP ELEVATION OF SLABS SHALL VARY ACCORDING TO FINISH FLOOR MATERIAL SEE ARCHITECTURAL DRAWINGS.
- 13. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS IN, FLOORS AND WALLS NOT SHOWN ON STRUCTURAL DRAWINGS.
- 15. MAXIMUM STEP OF FOOTINGS SHALL BE ONE VERTICALLY TO TWO HORIZONTALLY WHERE ELEVATIONS CHANGE.
- 16. CONCRETE SHALL CONSIST OF THE FOLLOWING:
 - READY MIX CONCRETE (ASTM C94)
 - MAX WATER TO CEMENT RATIO = 0.50
 - MAX AGGREGATE CONTENT SIZE OF 3/4 INCH (ASTM C33)
 - MAX SLUMP OF 5" + OR AN INCH (ASTM C143)
 - PORTLAND CEMENT: ASTM-C 150, TYPE 1
 - CLEAN POTABLE DRINKING WATER
 - AIR CONTENT TO BE 6% +/- 1.5% (INTERIOR SLABS TO HAVE 0% AIR)
- 17. REINFORCING STEEL SHALL CONSIST OF THE FOLLOWING:
 - REINFORCING BARS: ASTM -A 615 GRADE 60 KSI
- WELDED WIRE FABRIC: ASTM-A 185
 18. PROVIDE CONTINUOUS REINFORCING WHEREVER POSSIBLE, PLACE ONLY AS
- SHOWN OR APPROVED, STAGGER SPLICES WHERE POSSIBLE.

 19. ALL REINFORCING STEEL AND EMBEDMENT TO BE HELD SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO ALLOW WALKING ON
- REINFORCEMENT.

 20. DETAIL ACCORDING TO ACI STANDARD 315, MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES
- DETAILING REINFORCING CONCRETE STRUCTURES.
 21. CONCRETE MEMBERS SHALL NOT BE LOADED UNTIL SATISFACTORY CONCRETE STRENGTH HAS BEEN OBTAINED.
- 22. NO ADMIXTURES MAY BE USED UNLESS PRIOR APPROVAL BY THE
- OWNER/ENGINEER.

 23. COLD WEATHER REQUIREMENT SHALL BE USED DURING FREEZING OR NEAR FREEZING WEATHER ACI 306.1-90. COLD WEATHER IS DEFINED AS 3 DAYS WITH
- AVG. TEMP. BELOW 40F.

 24. DURING HOT WEATHER CONCRETE SHALL BE PLACED AND CURED IN ACCORDANCE WITH ACI 305.

SPECIAL INSPECTION SCHEDULE: FABRICATORS						
	APPLICABLE		IENCY			
VERIFICATION AND INSPECTION TASK	TO THIS PROJECT	CONTINUOUS	PERIODIC			
VERIFY FABRICATION AND IMPLEMENTATION PROCEDURES:	-	-	Χ			
A. STEEL CONSTRUCTION	-	-	Χ			
B. CONCRETE CONSTRUCTION (INCLUDING REBAR FABRICATION)	-	-	Χ			
C. WOOD CONSTRUCTION	NA	-	Χ			
D. COLD FORMED METAL CONSTRUCTION	-	-	Х			
E. OTHER CONSTRUCTION	-	-	Χ			

	APPLICABLE	FREQU	IENCY
VERIFICATION AND INSPECTION TASK	TO THIS PROJECT	CONTINUOUS	PERIODI
 MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS: 	D		
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDA	ARDS _	_	Х
SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS		_	
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRE	ED	-	X
2. INSPECTION OF HIGH STRENGTH BOLTING.			
A. SNUG-TIGHT JOINTS.	-	-	X
B. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN-OF	-		
WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	ON NA	-	Х
C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED	NA	X	-
WRENCH METHODS OF INSTALLATION.			
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDA SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS		-	Х
AND AISC360 B. MANUFACTURER'S CERTIFIED TEST REPORTS.			X
	-	-	X
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS.			
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION	-	-	Χ
DOCUMENTS.	-n		
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRE	<u>-</u> D	-	X
5. INSPECTION OF WELDING, STRUCTURAL STEEL:	A 1 A	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	NA	X	
B. MULTIPASS FILLET WELDS	NA	X	-
C. SINGLE-PASS FILLET WELDS > \(\frac{5}{16} \)	NA	X	
D. SINGLE-PASS FILLET WELDS (< OR =) 5/16"	-	-	Χ
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE	E		
WITH APPROVED CONSTRUCTION DOCUMENTS.			
A. DETAILS SUCH AS BRACING AND STIFFENING	-	-	X
B. MEMBERS LOCATIONS	-	-	X
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	-	-	Χ

NOTE: ALL STRUCTURAL STEEL WORK BY MECHANICAL CONTRACTOR

ARCHITECT

ksqdesigi

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design
215 West 40th Street | 15th Floor
New York, NY 10018
914.682.3700 office
www.ksq.design

Owner

Yorktown Central School District 2725 Crompond Road Yorktown Heights, NY 10598 914 243 8000 office

Arris Contracting Co.
189 Smith Street

845 473 1453 fax

845 473 6300 office

Poughkeepsie, NY 1260²

MEP Engineer

DELTA Engineers, Architects, & Land Surveyors, DPC

220 Harborside Dr, Suite #202 Schenectady, NY 12305

518.690.0046 office

Clapper Structural Engineering, PLLC
160 Partition Street
Saugetties, New York 12477
845.943.9601 office

www.clapperstructural.com

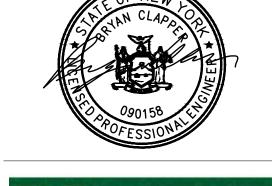
Civil Engineer

The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027

CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE IMPROVEMENTS 2020

Mohansic Elemantary School 704 Locksley Rd. Yorktown Heights, NY 10598

REVISIONS

ISSUED: BID ISSUE

DATE: 3/24/2020

SCALE: AS SHOWN

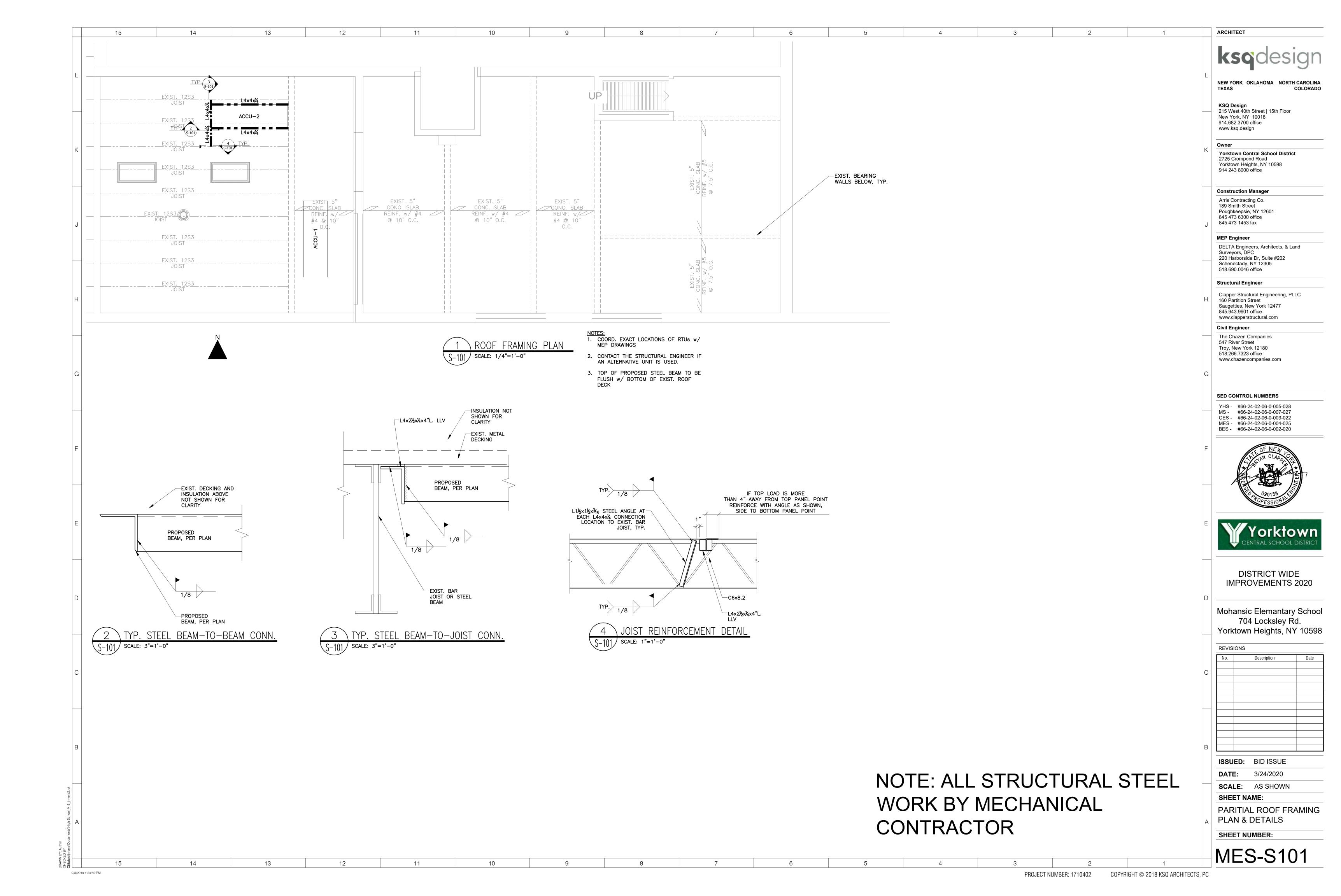
SHEET NAME:

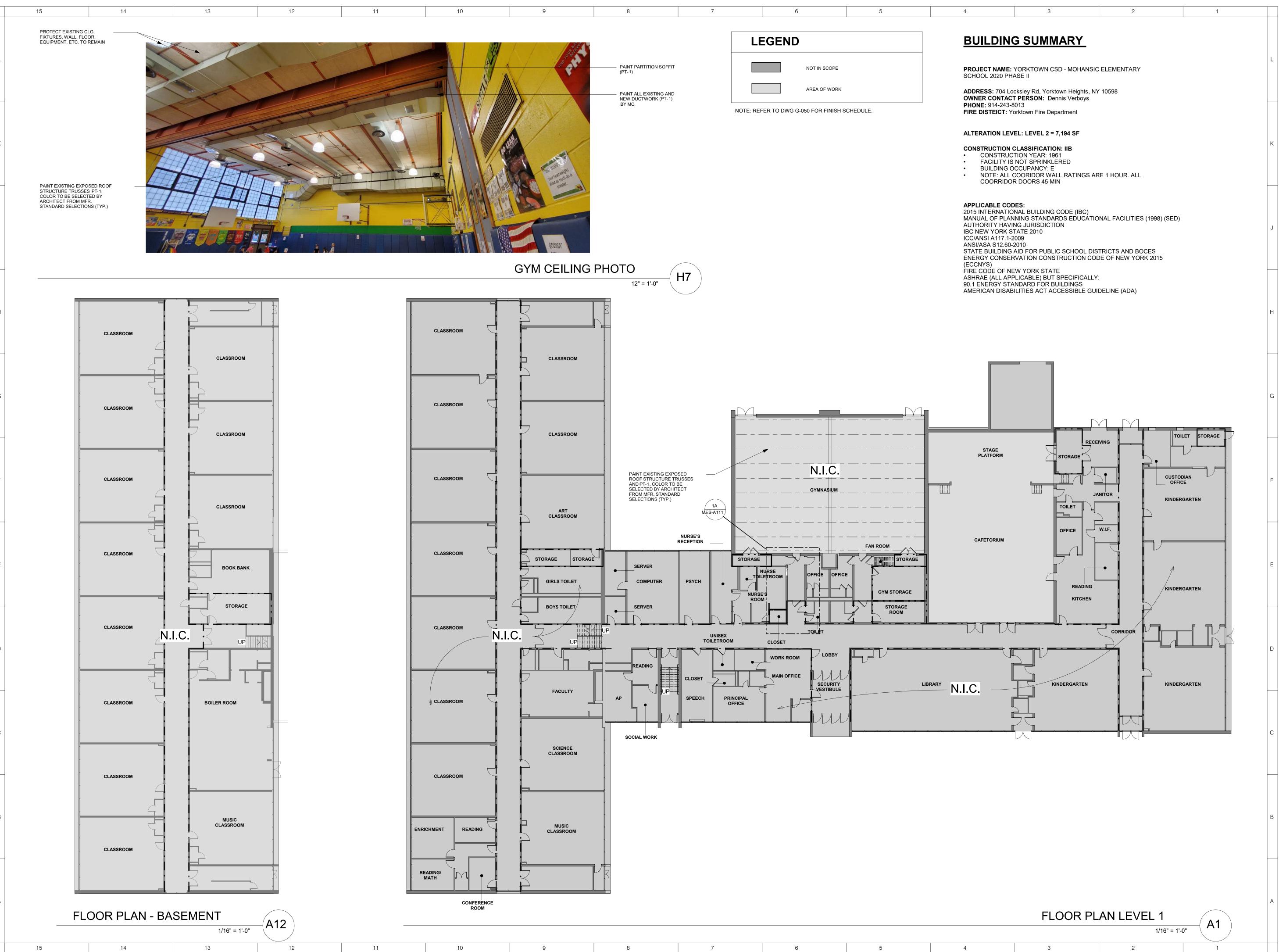
STRUCTURAL NOTES &

SPECIAL INSPECTIONS

SHEET NUMBER:

MES-S001





ksqdesign

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design
215 West 40th Street | 15th Floor
New York, NY 10018
914.682.3700 office
www.ksq.design

Owner

ARCHITECT

Yorktown Central School District
Mohansic Elementary School
704 Locksley Rd.
Yorktown Heights, NY 10598
914 243 8000 office

Construction Manager

Arris Contracting Co.
189 Smith Street

Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

Delta Engineers, Architects & Land Surveyors 220 Harborside Drive, Suite 202 Schenectady, NY 12305 518 427 7200 office

Structural Engineer

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer

The Chazen Companies
547 River Street
Troy, New York 12180
518.266.7323 office
www.chazencompanies.com

Hazardous Materials Consultant

Quality Env. Solutions & Technologies, Inc. 1376 Route 9 Wappingers Falls, New York 12590 845.298.6031 office www.qualityenv.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020



DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

Mohansic Elementary School 704 Locksley Rd. Yorktown Heights, NY 10598

REVISIONS

No.	Description	Date

DATE: 3/24/2020

SCALE: As indicated

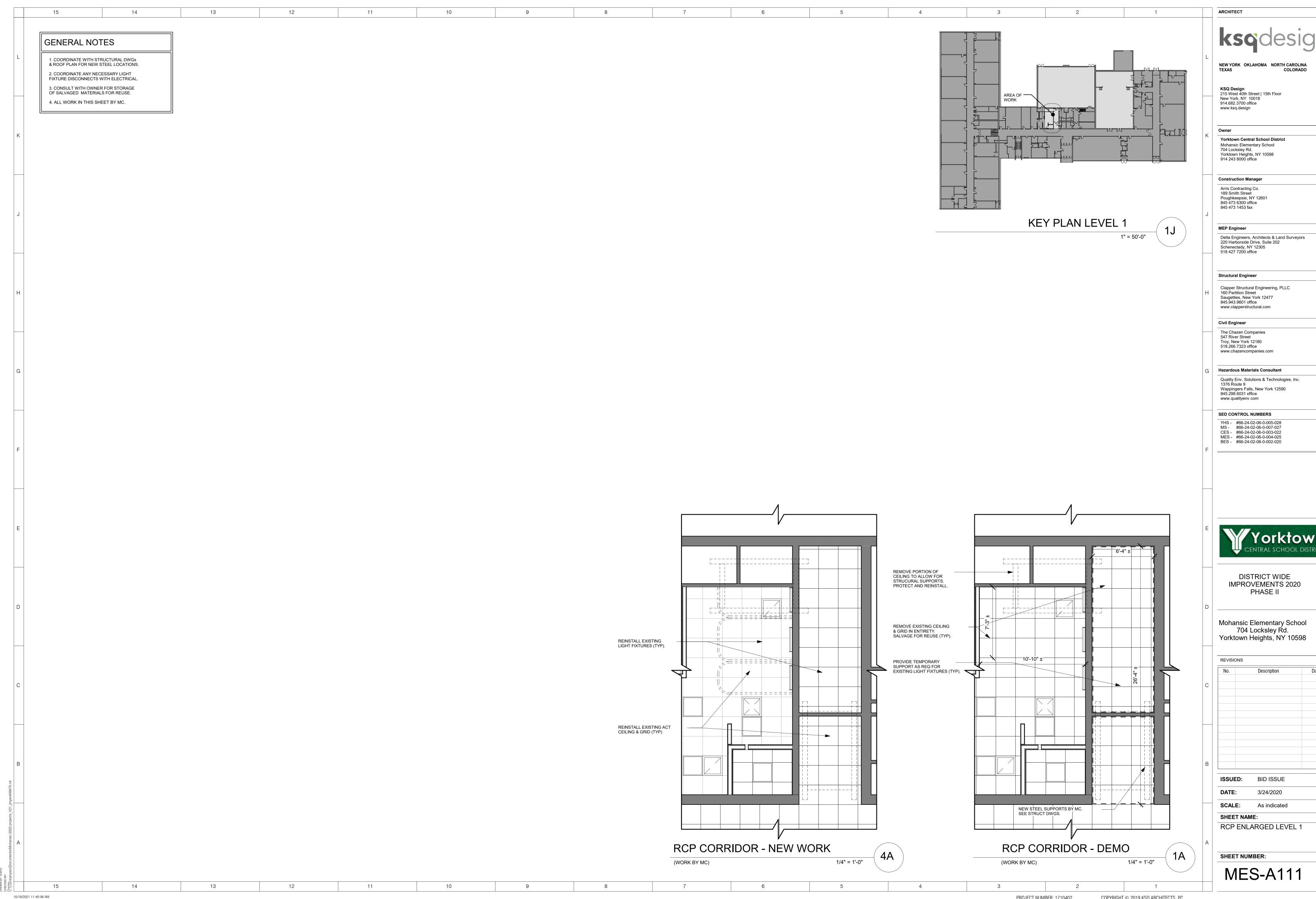
SHEET NAME:

OVERALL FLOOR PLAN &

BUILDING SUMMARY

SHEET NUMBER:

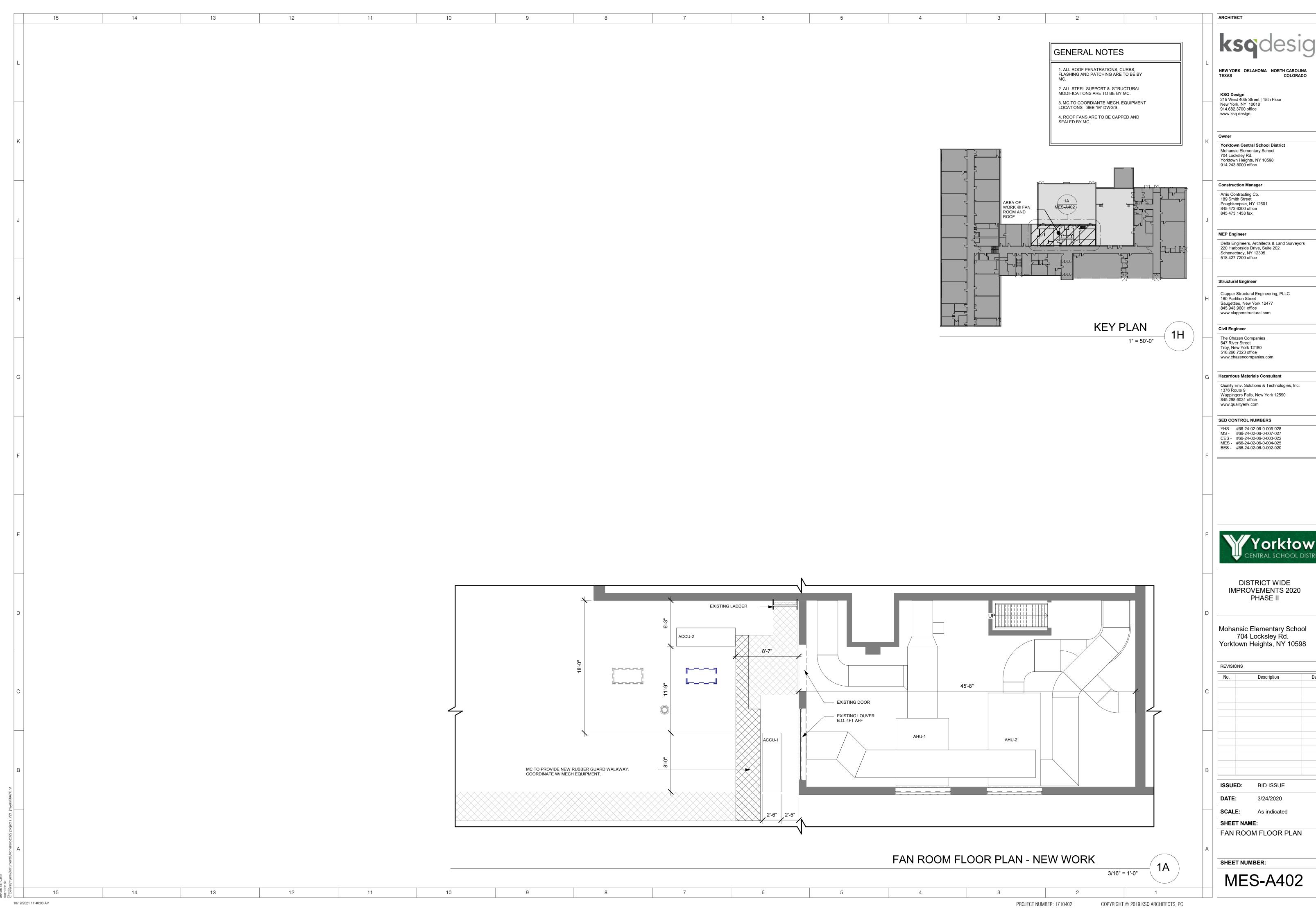
MES-A110





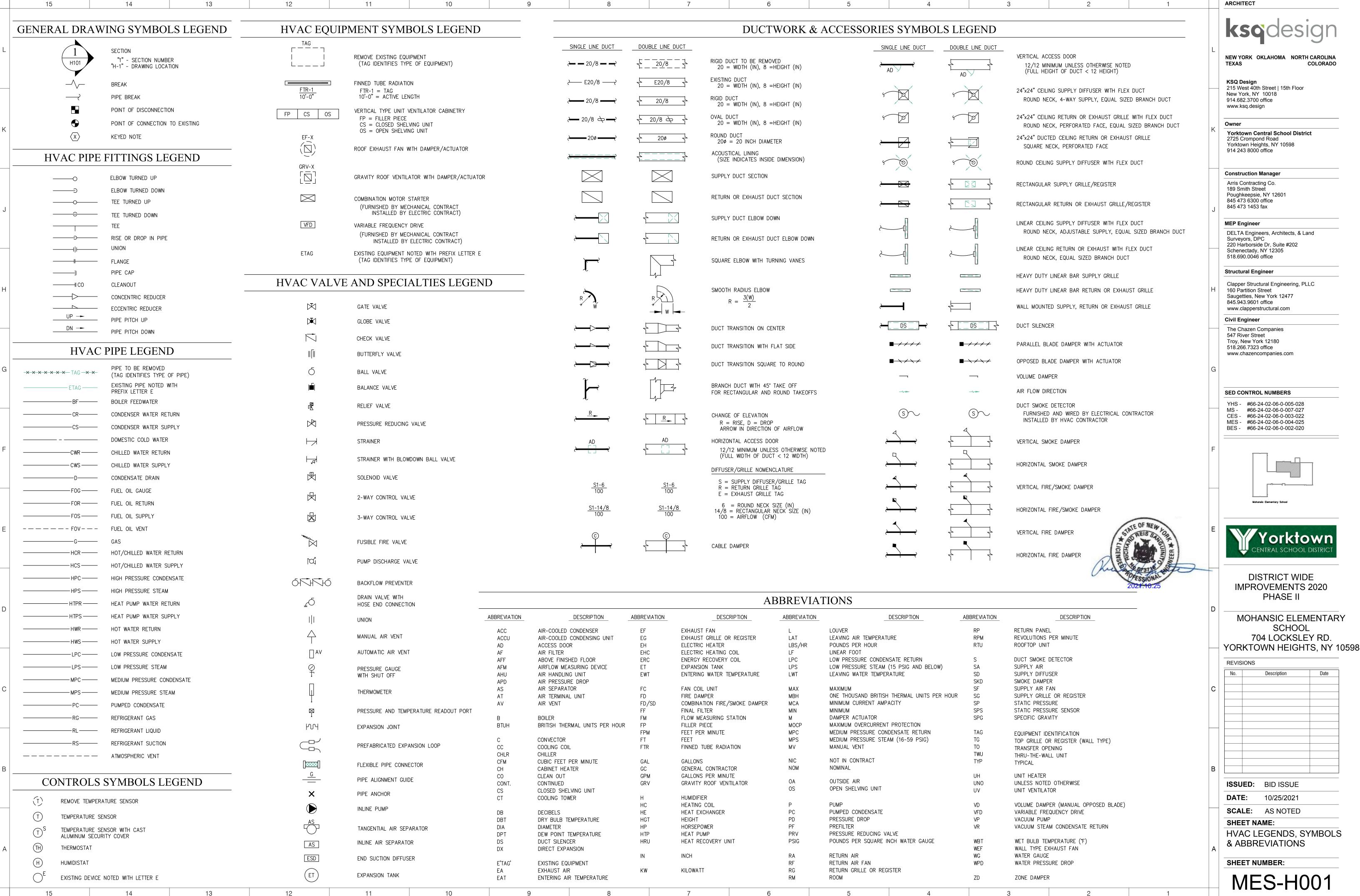
No.	Description	Date
ISSUED:	BID ISSUE	
DATE:	3/24/2020	

PROJECT NUMBER: 1710402





No.	Description	Date
SSUED:	BID ISSUE	



NEW YORK OKLAHOMA NORTH CAROLINA

215 West 40th Street | 15th Floor

Yorktown Central School District Yorktown Heights, NY 10598

Poughkeepsie, NY 12601

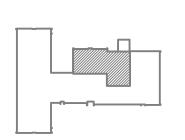
DELTA Engineers, Architects, & Land 220 Harborside Dr, Suite #202 Schenectady, NY 12305

Clapper Structural Engineering, PLLC Saugetties, New York 12477

www.clapperstructural.com

The Chazen Companies

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE IMPROVEMENTS 2020

MOHANSIC ELEMENTARY SCHOOL 704 LOCKSLEY RD.

REVISIONS		
No.	Description	Date
		l
SSUED:	BID ISSUE	

10/25/2021

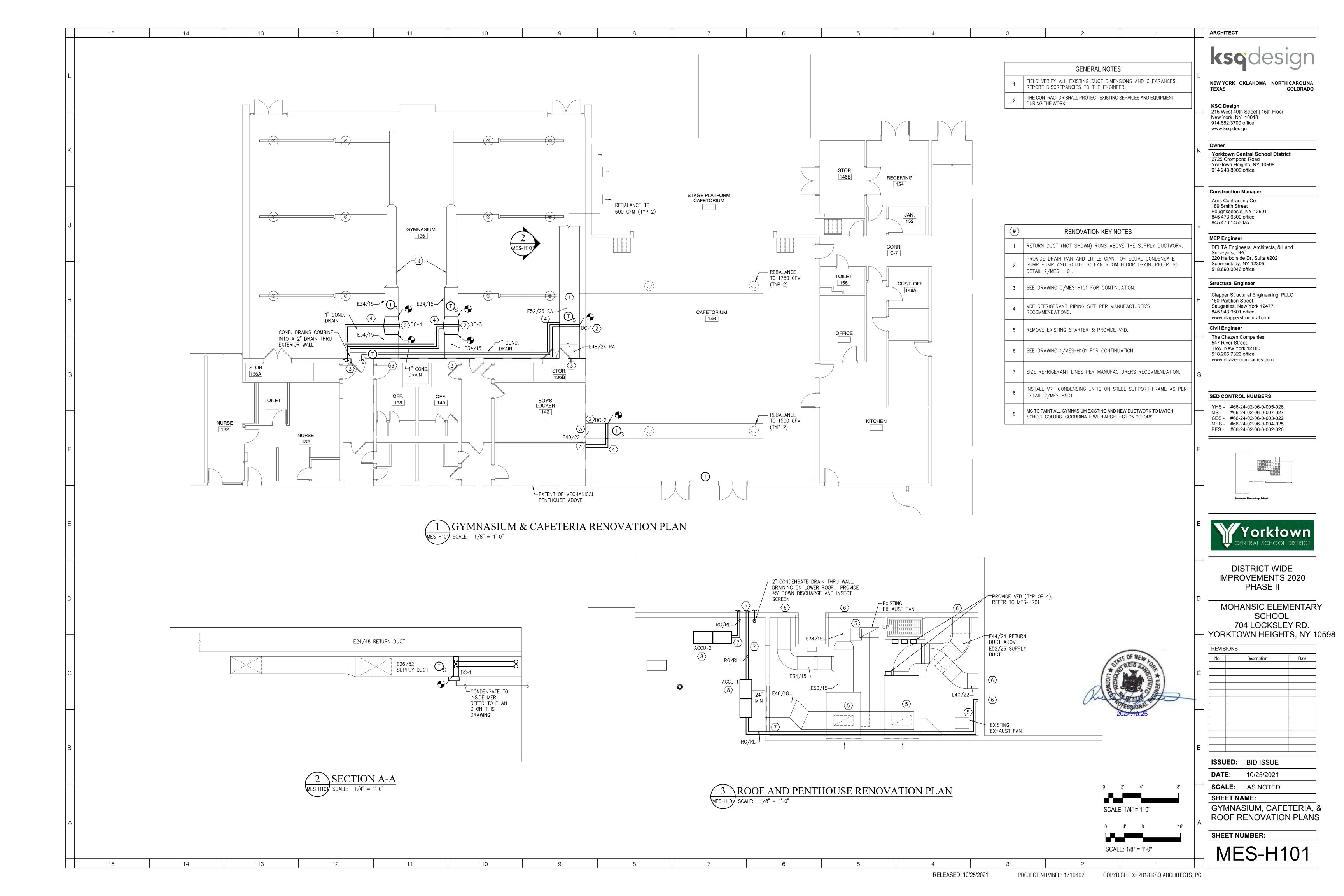
HVAC LEGENDS, SYMBOLS & ABBREVIATIONS

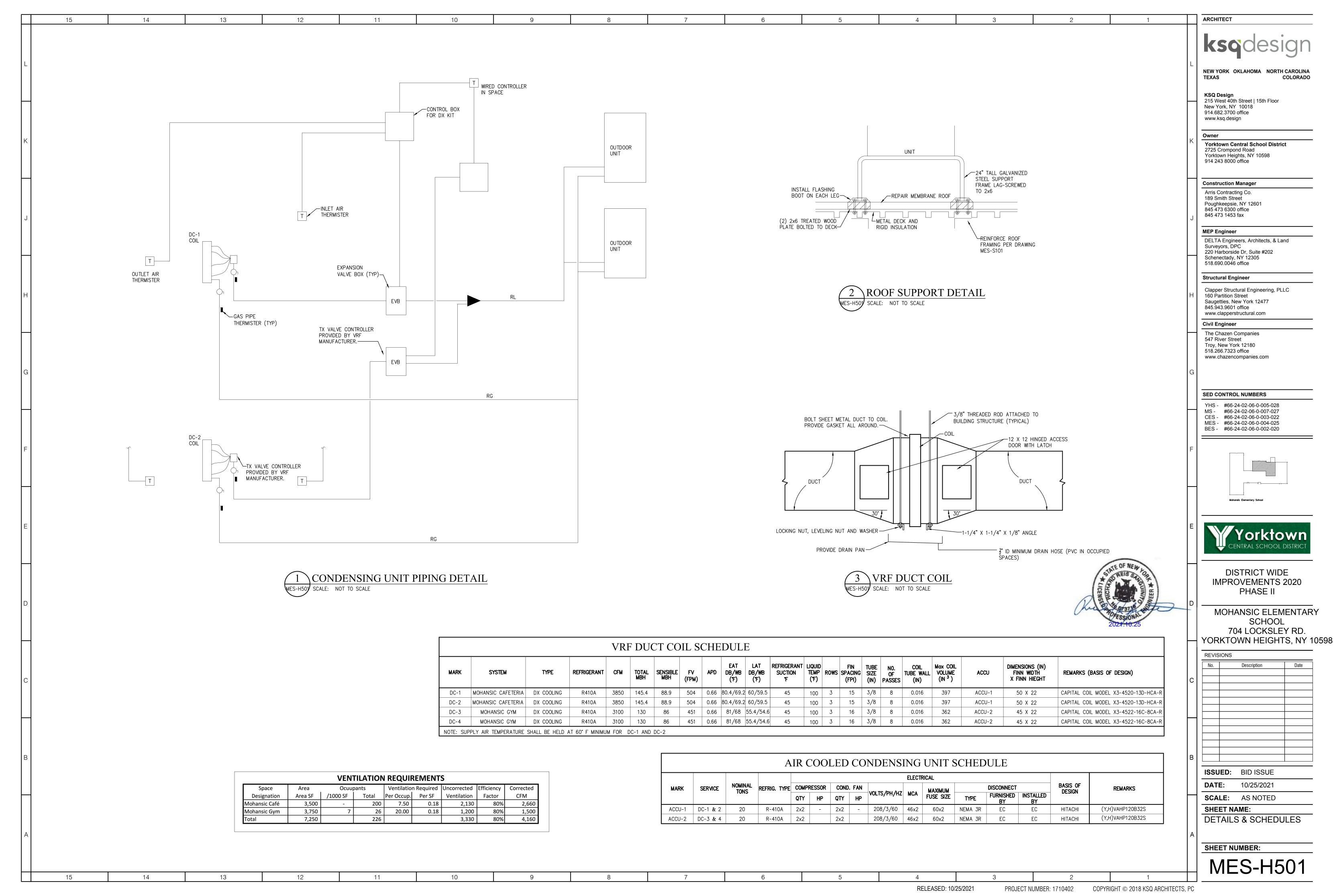
COPYRIGHT © 2018 KSQ ARCHITECTS, PC

RELEASED: 10/25/2021

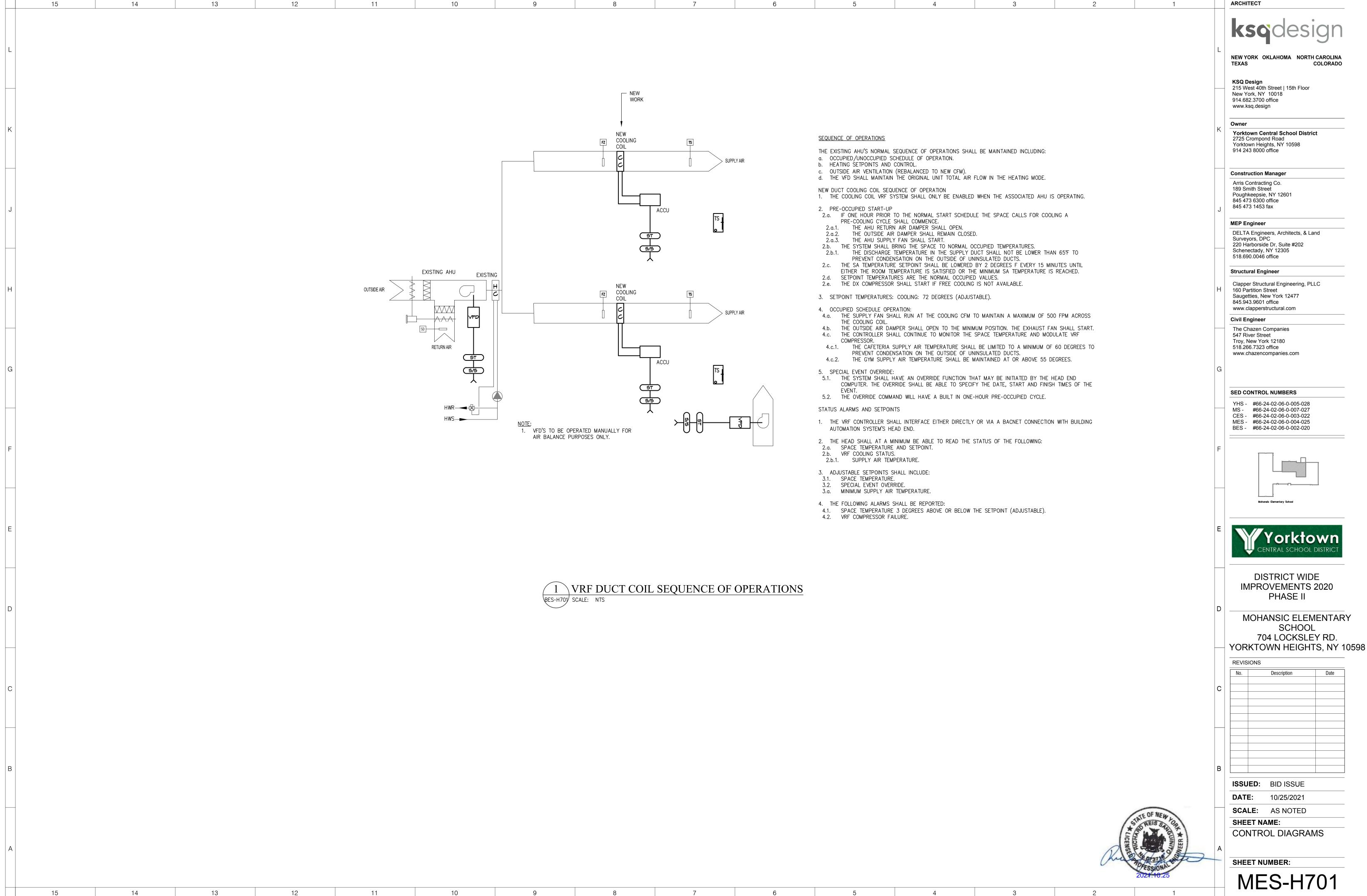
PROJECT NUMBER: 1710402

MES-H001





MOHANSIC ELEMENTARY



NEW YORK OKLAHOMA NORTH CAROLINA



MOHANSIC ELEMENTARY 704 LOCKSLEY RD.

No.	Description	Date		
	-			
		_		

RELEASED: 10/25/2021

PROJECT NUMBER: 1710402

POWER & SYSTEMS **REMOVALS ABBREVIATIONS** JUNCTION BOX DISCONNECT SWITCH, RATINGS AS INDICATED ON FLOOR PLANS <u>DESCRIPTION</u> FEEDER CONDUIT WITH CONDUCTORS ABOVE FINISHED FLOOR HVAC STARTER/MOTOR CONTROLLER AFG ABOVE FINISHED GRADE VARIABLE FREQUENCY DRIVE (FURNISHED BY MECHANICAL, INSTALLED AND POWER ABOVE FINISHED ROOF AFR WIRING BY EC) DISCONNECT ELECTRIC TO MOTOR AND REMOVE IN ITS ENTIRETY BACK TO AMERICAN WIRE GUAGE BRANCH CIRCUIT HOMERUN TO PANELBOARD. NUMBER OF ARROWS INDICATES NUMBER OF BELOW FINISHED GRADE CIRCUITS. CAPITAL LETTER WITH NUMERALS INDICATE PANEL DESIGNATION AND NUMERAL INDICATES PANEL CIRCUIT BREAKER NUMBER. CONDUIT 0 EXISTING LIGHT FIXTURE CIRCUIT BREAKER CONDENSING UNIT (OUTDOOR), (PROVIDED UNDER MC CONTRACT, LINE VOLTAGE WIRING BY EXISTING AIR HANDLING UNIT ELECTRICAL CONTRACTOR EQUIPMENT GROUNDING CONDUCTOR EXISTING TO REMAIN GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE (GFCI) WITH UL LISTED WEATHERPROOF WHILE IN USE COVER. FURNISHED BY OWNER EXISTING SURFACE MOUNTED PANELBOARD FIBO FURNISHED AND INSTALLED BY OWNER \Box EXISTING RECESS MOUNTED PANELBOARD VANDAL GUARD MANUAL DISCONNECT SNAP SWITCH, 2-POLE, 240V GENERAL CONTRACTOR GC GROUND FAULT INTERRUPTER HIGH INTENSITY DISCHARGE (METAL HALIDE) MECHANICAL CONTRACTOR NOT IN CONTRACT NTS NOT TO SCALE RIGID GALVANIZED STEEL TYP TYPICAL UNLESS OTHERWISE NOTED WEATHER PROOF WHILE IN USE COVER GENERAL NOTES MOUNTING HEIGHTS GENERAL NOTES - INSTALLATION 1. NEW BRANCH CIRCUITRY SHALL BE INSTALLED ABOVE CEILING WHERE POSSIBLE, AS UNLESS OTHERWISE NOTED, MOUNT DEVICES AND HIGH AS POSSIBLE. EQUIPMENT AT HEIGHTS MEASURED FROM FINISHED (XX) SYMBOL REPRESENTS KEYED NOTE THAT APPLIES TO THAT FLOOR TO DEVICE / EQUIPMENT CENTERLINE AS LISTED DRAWING ONLY. 2. ALL EQUIPMENT SHOWN ON REMOVALS PLANS SHALL BE REMOVED, UNLESS BELOW. OTHERWISE NOTED. REMOVE ONLY ASSOCIATED WIRING WITHIN ROOM. ASSOCIATED QUANTITY ABOVE. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL EXISTING BRANCH CIRCUIT WIRING HOMERUN BACK TO PANEL IN EACH ROOM SHALL ELEVATIONS PRIOR TO ROUGH-IN. REMAIN FOR CONNECTION TO NEW LIGHTING BRANCH CIRCUIT WIRING SHOWN, UNLESS (X) SYMBOL REPRESENTS REMOVAL KEYED NOTE THAT APPLIES OTHERWISE NOTED. WHERE STRUCTURAL OR OTHER INTERFERENCE'S TO THAT REMOVAL DRAWING ONLY. PREVENT COMPLIANCE WITH MOUNTING HEIGHTS 3. COORDINATE ALL CONDUIT RUNS WITH OTHER TRADES PRIOR TO ROUGH-IN. LISTED BELOW, CONSULT OWNER'S REPRESENTATIVE RELOCATE ANY CONDUITS AS NECESSARY TO PERMIT INSTALLATION OF DUCTWORK FOR APPROVAL TO CHANGE LOCATION BEFORE OR PIPING. INSTALLATION. 4. INSTALL ALL CIRCUITING CONCEALED INSIDE WALL CAVITY WHERE EVER POSSIBLE. DISCONNECT SWITCH HANDLE, UON 48" PROVIDE SURFACE MOUNTED BACKBOXES AND RACEWAY FOR WIRING DEVICES LOCATED ON EXISTING SOLID WALL CONSTRUCTION. PROVIDE SHALLOW TYPE BACKBOXES FOR SURFACE MOUNTED POWER AND SWITCHING APPLICATIONS. REFER TO ARCHITECTURAL PLANS FOR WALL TYPES. 5. FIRESTOP ALL LOW VOLTAGE SLEEVES AND PENETRATIONS AFTER INSTALLATION OF OWNER FOR PAINT TYPES. 6. PROVIDE OPEN TOP CABLE HANGERS 4' ON CENTER SUPPORTED TO SUPPORT ALL LOW VOLTAGE CABLING ABOVE ACCESSIBLE CEILINGS. PROVIDE SEPARATE CABLE HANGERS FOR FIRE ALARM CABLING. INSTALL ALL EXPOSED CABLES IN EMT CONDUIT -PROVIDE SUITABLE UNISTRUT ATTACHMENT BRACKETS TO STRUCTURAL STEEL BEAMS. OR SURFACE RACEWAY IN FINISHED AREAS. REPLACE ANY DAMAGED TILES AS A RESULT OF WORK. 7. ALL LOW VOLTAGE CABLING SHALL BE PLENUM RATED. 8. OBTAIN WIRING AND INSTALLATION DIAGRAMS FOR ALL ELECTRICAL CONNECTIONS TO GYM ROOF EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR PRIOR TO ROUGHING. WORK DECK THAT IS NOT PROPERLY COORDINATED WILL BE RELOCATED AT NO COST TO THE 9. ALL CONTRACTORS SHALL PROTECT EXISTING SURFACES AND EQUIPMENT. EXISTING STEEL STRUCTURE BEAM (TYPICAL) ∽PROVIDE (2) GALVANIZED UNITSTRUT EACH FIXTURE (SIZED TO SUPPORT FIXTURE WEIGHT) TO SPAN INSIDE OF STEEL TO INSIDE OF STEEL. LIGHTING FIXTURE SCHEDULE FIXTURE MANUFACTURER AIRCRAFT — PROVIDE MEANS TO FASTEN TO STEEL. CABLE HANGERS. LENGTH AS REQUIRED STRUCTURE BEAM. TO HAND FIXTURES BELOW STEEL TO TYPE DESCRIPTION LAMPS VOLTAGE MOUNTING CEILING TYPE MANUFACTURERS NOTES FLUSH WITH ACOUSTIC HANGING BAFFLES. COORDINATE WITH NOMINAL 2' X 4' LED HIGH BAY TROFFER (3) LED LIGHT ARCHITECTURAL DETAILS. BARS, RUGGED ALUMINUM MATTE WHITE HÒÚSING. LED 102 WATTS, AIRCAFT CABLES MOUNT (2) FACTORY - FIXTURE SUPPLIED CABLE EXPOSED LITHONIA "IBG SERIES" OR GLOSS WHITE WIRE GUARD OVER HOUSING. nLIGHT 18000 LUMENS, FIXTURES FROM SUPPORTS 120V EQUAL BY METALUX OR STRUCTURE nMSI360D INTEGRAL 360 DEGREE HIGH MOUNT MOTION | 90+ CRI, 4000K UNI-STRUT TO FLUSH AIRCRAFT TEMPERATURE HUBBELL WITH ACCOUSTIC SENSOR WITH DIMMING, PRE-WIRED. nLIGHT N80 CABLES PER BAFFLES ~26'-0"AFF CONTROL, ELDOLED DIMMING DRIVER 0-10V CONTINUOUS FIXTURE TO DIMMING DRIVER DOWN TO 1% STANDARD EFFICIENCY. UNI-STRUT GYM LIGHTING HIGH BAY INSTALLATION DETAIL MES-000 SCALE: NONE 15 14 13 10 PROJECT NUMBER: 1710402 RELEASED: 10/25/2021

15

14

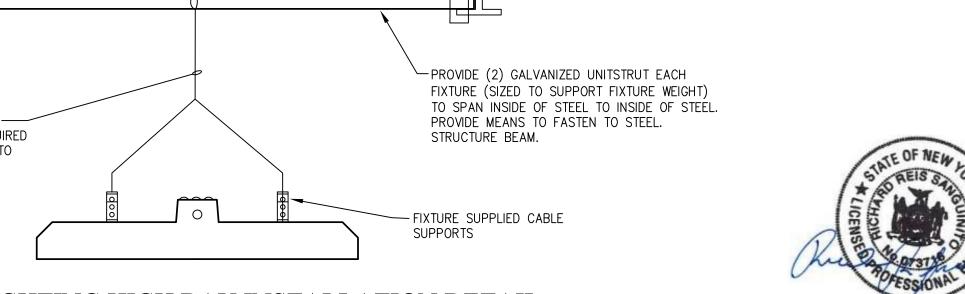
13

12

11

10

- PROVIDE 50 ACT CEILING TILES OF EACH SIZE; 2'X2' AND 2'X4' TILES TO MATCH EXISTING WITHIN THE BUILDING. COORDINATE WITH OWNER FOR EXACT TYPE. REPLACE DAMAGED TILES FROM THE RESULT OF FIRE ALARM CEILING WORK. REUSE AND RELOCATE EXISTING GOOD TILES PREVIOUSLY HOUSING FIRE ALARM CEILING DEVICES TO INSTALL REPLACEMENT DEVICES INTO. IF TILE IS NOT ACCEPTABLE FOR MOUNTING, PROVIDE REPLACEMENT FROM
- 2. ALL DEVICES AND EQUIPMENT SHOWN ON DEMOLITION PLANS SHALL BE REMOVED, INCLUDING WIRING AND CONDUIT BACK TO SOURCE, UNLESS OTHERWISE NOTED.
- 3. EC IS RESPONSIBLE TO PATCH AND PAINT AS NECESSARY TO MATCH FINISHED SPACE MATERIALS AND PAINT AROUND ALL FIRE ALARM WALL MOUNTED DEVICE BOXES WHEN INSTALLED WHERE EXISTING WALL DEVICE WAS LOCATED. COORDINATE WITH OWNER FOR PAINT TYPES.
- 4. PATCH AND PAINT ANY REMOVED WALL MOUNTED DEVICES AND CONDUIT LOCATIONS TO MATCH FINISHED SPACE MATERIALS AND PAINT. PROVIDE BLANK COVERPLATES AND PAINT TO MATCH FINISHED SPACE WHERE DEVICES WERE INSTALLED IN CMU BLOCK WALLS. COORDINATE WITH
- 3. REMOVE AND REINSTALL EXISTING ACOUSTICAL CEILING SYSTEM TILES AS REQUIRED TO INSTALL ELECTRICAL WORK.



ARCHITECT

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Owner

Yorktown Central School District 2725 Crompond Road Yorktown Heights, NY 10598 914 243 8000 office

Construction Manager Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office

MEP Engineer

845 473 1453 fax

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305 518.690.0046 office

Structural Engineer

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

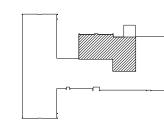
Civil Engineer

The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025

BES - #66-24-02-06-0-002-020



Mohansic Elementary School



DISTRICT WIDE **IMPROVEMENTS 2020** PHASE II

MOHANSIC ELEMENTARY SCHOOL 704 LOCKSLEY RD. YORKTOWN HEIGHTS, NY 10598

	REVIS	IONS	
	No.	Description	Date
С			
	-		
	<u> </u>		
В			
	1001	IED. DID ICCLIE	

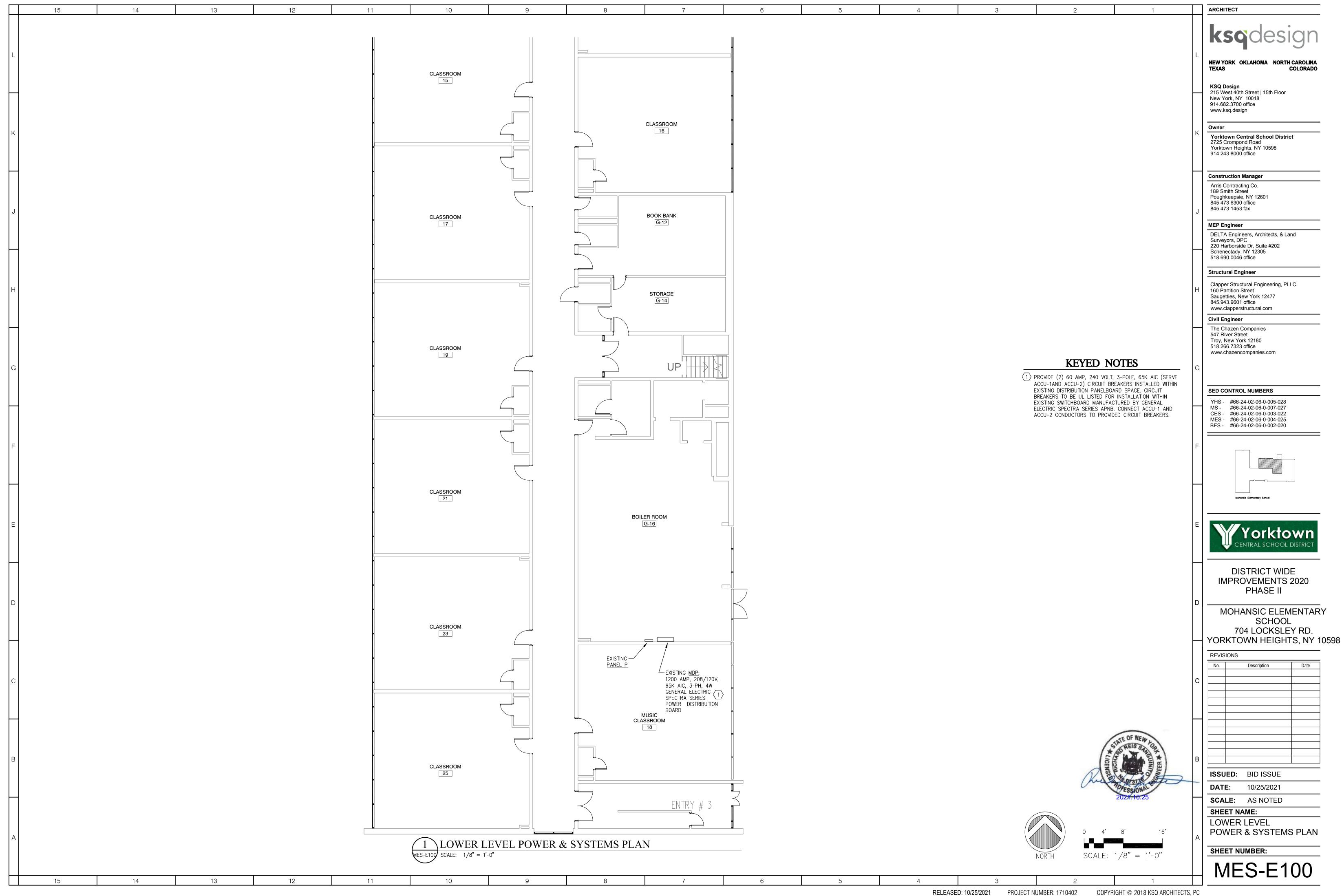
ISSUED: BID ISSUE

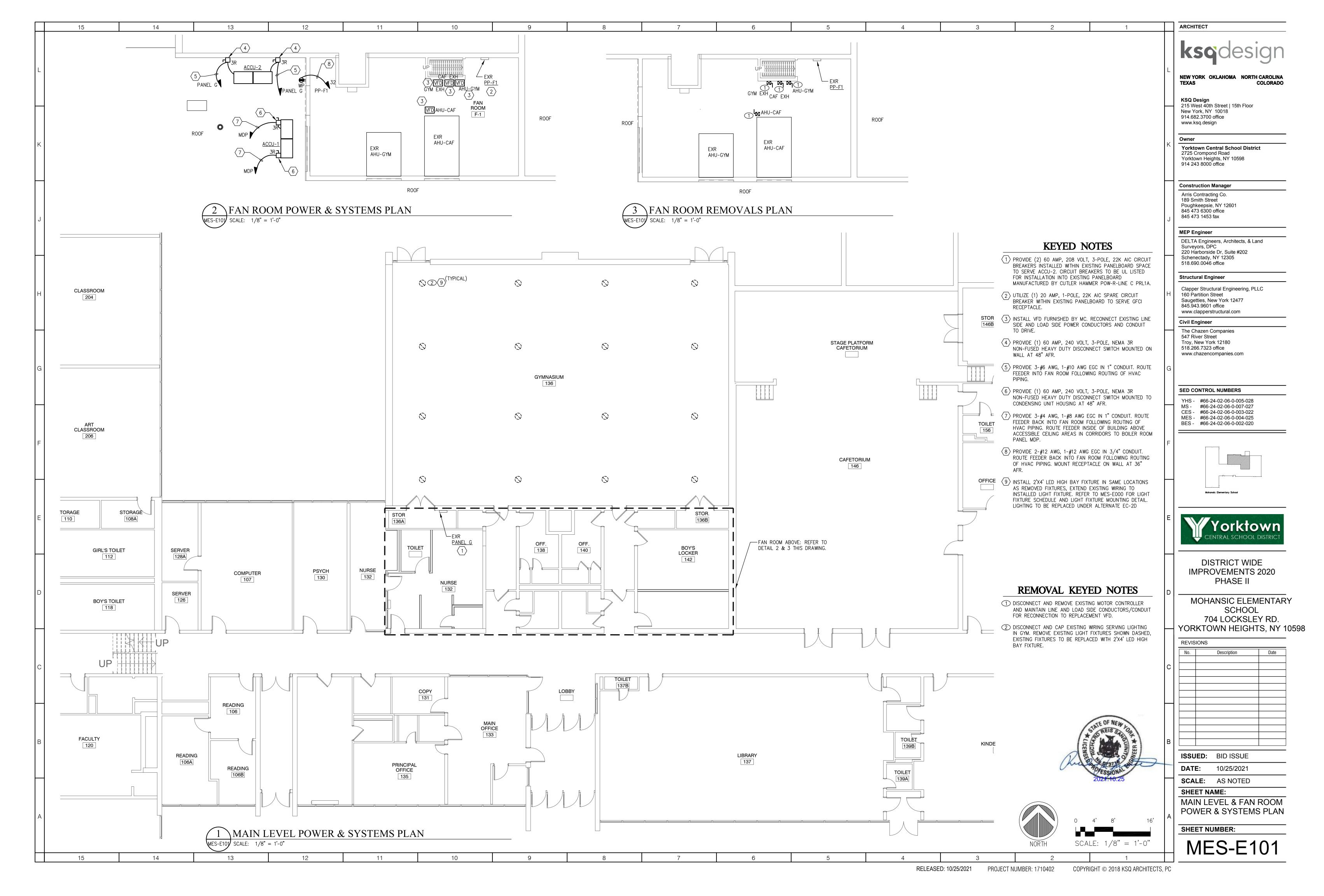
DATE: 10/25/2021 **SCALE**: AS NOTED

SHEET NAME:

ELECTRICAL LEGEND & **ABBREVIATIONS**

SHEET NUMBER:





15

STRUCTURAL DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:

A) 2015 INTERNATIONAL BUILDING CODE WITH NEW YORK STATE SUPPLEMENT.

B) ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

C) AISC, MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, 14TH ED.

13

11

10

1. DEAD LOADS

SELF WEIGHT +

FLOORS: 15 PSF

CEILING: 10 PSF

ACCU-1: 1872 LBS

ACCU-2: 1872 LBS

2. SEISMIC
RISK CATEGORY: III
SEISMIC IMPORTANCE FACTOR: 1.25
Ss: 0.251g
S1: 0.071g
SITE CLASS: C (FROM GEOTECH REPORT)
Sds: 0.201g
Sd1: 0.080g

SEISMIC DESIGN CATEGORY: B

14

3. WIND LOADS

BASIC WIND SPEED: 115 MPH (3-second gust)

RISK CATEGORY: III

EXPOSURE CATEGORY: B

INTERNAL PRESSURE COEFFICIENT (GCpi): ±0.18

4. SNOW LOADS
GROUND SNOW LOAD: 30 PSF
SNOW EXPOSURE FACTOR: 1.0
THERMAL FACTOR: 1.0
SNOW LOAD IMPORTANCE FACTOR: 1.0
MINIMUM FLAT ROOF SNOW LOAD: 21 PSF
DESIGN FLAT ROOF SNOW LOAD: 30 PSF

GENERAL INFORMATION:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

"LOADS" INDICATED ON THIS DRAWING ARE THOSE FOR THE DESIGN OF THE BUILDING SUPERSTRUCTURE

- 1. ALL DETAILS MARKED "TYPICAL" IN THE SET OF STRUCTURAL DRAWINGS SHALL BE APPLIED THROUGHOUT THE PROJECT AS REQUIRED TO SATISFY THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL COORDINATE REQUIREMENTS FOR QUANTITY AND LOCATION WHERE THE "TYPICAL" DETAILS APPLY.
- 2. FAILURE ON THE PART OF THE CONTRACTOR TO REVIEW THE DRAWINGS OF OTHER DISCIPLINES (i.e. ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC.) TOGETHER WITH THE FULL EXTENT OF THE PROJECT SPECIFICATIONS DOES NOT RELIEVE THEM OF THE RESPONSIBILITY TO FURNISH AND INSTALL ITEMS THAT ARE PART OF THEIR WORK AS INDICATED BY THE DRAWINGS AND SPECIFICATIONS OF OTHER TRADES. ALL STRUCTURAL TRADE CONTRACTORS AND SUB-CONTRACTORS ARE PROHIBITED FROM EXCLUDING STRUCTURAL WORK FROM THEIR CONTRACT NOT SHOWN IN THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL GENERAL NOTES

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

- STRUCTURAL STEEL SHALL CONFORM TO THE A.I.S.C. STEEL CONSTRUCTION MANUAL 14TH EDITION.
- 2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS.

	110115.			
MEMBER	A.S.T.M.		MIN. STRENGTH	
ROLLED SHAPES		A992	5() KSI
PLATES, CHANNELS	, & ANGLES	A36	36	5 KSI
CONNECTION BOLTS	S	A325	97	2 KSI
ANCHOR BOLTS		F1554		-
THREADED BOLTS		A36	36	5 KSI
NON-SHRINK GROU	Т	C1107	8,	,000 I

- 3. WELDING SHALL BE IN ACCORDANCE WITH A.W.S. D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER A.I.S.C. REQUIREMENTS. FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 K.S.I.
- 4. MOMENT CONNECTIONS DENOTED THUS (▶) ON PLAN. SEE TYPICAL DETAILS.
- 5. HOLES IN STEEL BEAMS SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.
- 6. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETE CONDITION, AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, FRAMING, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

SPECIAL INSPECTION SCHEDULE: F	ABRICATO	ORS	
VERIFICATION AND INSPECTION TASK	APPLICABLE TO THIS	FREQU	JENCY
VERIFICATION AND INSPECTION TASK	PROJECT	CONTINUOUS	PERIODIC
1. VERIFY FABRICATION AND IMPLEMENTATION PROCEDURES:	-	-	X
A. STEEL CONSTRUCTION	-	-	Х
B. CONCRETE CONSTRUCTION (INCLUDING REBAR FABRICATION)	-	-	Х
C. WOOD CONSTRUCTION	NA	-	Х
D. COLD FORMED METAL CONSTRUCTION	-	-	Х
E. OTHER CONSTRUCTION	-	-	Х

	APPLICABLE	FREQUENCY		
VERIFICATION AND INSPECTION TASK	TO THIS PROJECT	CONTINUOUS	PERIODIC	
MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	-	Х	
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	-	Х	
2. INSPECTION OF HIGH STRENGTH BOLTING.				
A. SNUG-TIGHT JOINTS.	-	-	X	
B. PRETENSIONED AND SLIP CRITICAL JOINTS USING TURN-OF-NUT	NIA		Х	
WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	NA	-	Χ	
C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING		.,		
TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	NA	X	-	
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS				
SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	-	-	X	
AND AISC360				
B. MANUFACTURER'S CERTIFIED TEST REPORTS.	-	-	Х	
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS.				
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS				
SPECIFICATION IN THE APPROVED CONSTRUCTION	-	-	X	
DOCUMENTS.				
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	-	X	
5. INSPECTION OF WELDING, STRUCTURAL STEEL:				
A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	NA	X		
B. MULTIPASS FILLET WELDS	NA	X	-	
C. SINGLE-PASS FILLET WELDS > $\frac{5}{16}$ "	NA	X	-	
D. SINGLE-PASS FILLET WELDS (< OR =) $\frac{1}{16}$ "	-	-	Х	
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE				
WITH APPROVED CONSTRUCTION DOCUMENTS.				
A. DETAILS SUCH AS BRACING AND STIFFENING	-	-	X	
B. MEMBERS LOCATIONS	-	-	Χ	
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	_	-	X	

NOTE: ALL STRUCTURAL STEEL WORK BY MECHANICAL CONTRACTOR

ARCHITECT

ksqdesign

NEW YORK OKLAHOMA NORTH CAROLINA
TEXAS COLORADO

KSQ Design
215 West 40th Street | 15th Floor
New York, NY 10018
914.682.3700 office
www.ksq.design

Owner

Yorktown Central School District 2725 Crompond Road Yorktown Heights, NY 10598 914 243 8000 office

Construction Manager

Arris Contracting Co.

189 Smith Street
Poughkeepsie, NY 12601
845 473 6300 office
845 473 1453 fax

MEP Engineer

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305 518.690.0046 office

Structural Engineer

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

The Chazen Companies
547 River Street
Troy, New York 12180
518.266.7323 office
www.chazencompanies.com

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022

SED CONTROL NUMBERS

MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE IMPROVEMENTS 2020

Brookside Elementary School 2285 Broad St. Yorktown, NY 10598

No.	Description	Dat

ISSUED: BID ISSUE

 DATE:
 3/24/2020

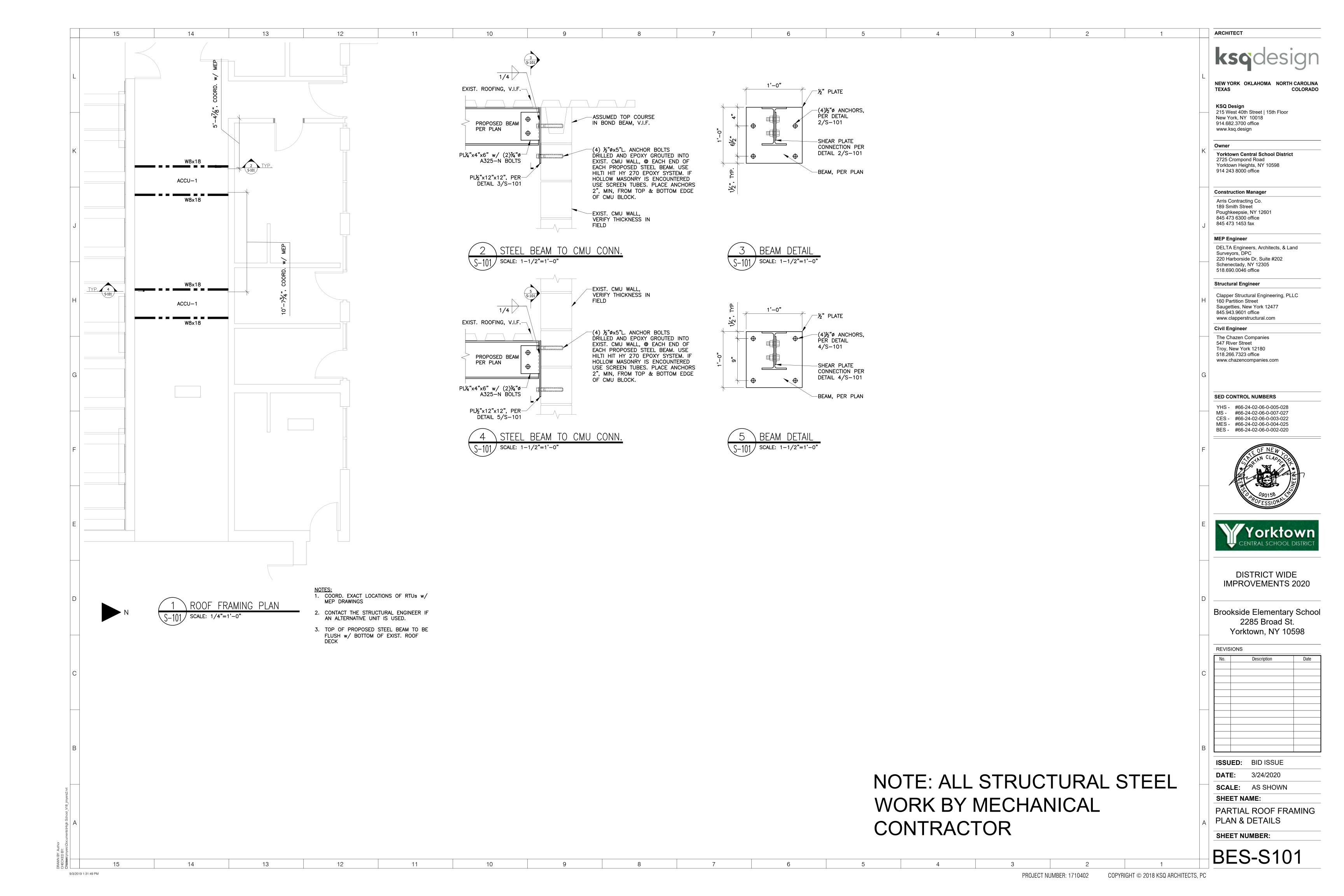
 SCALE:
 AS SHOWN

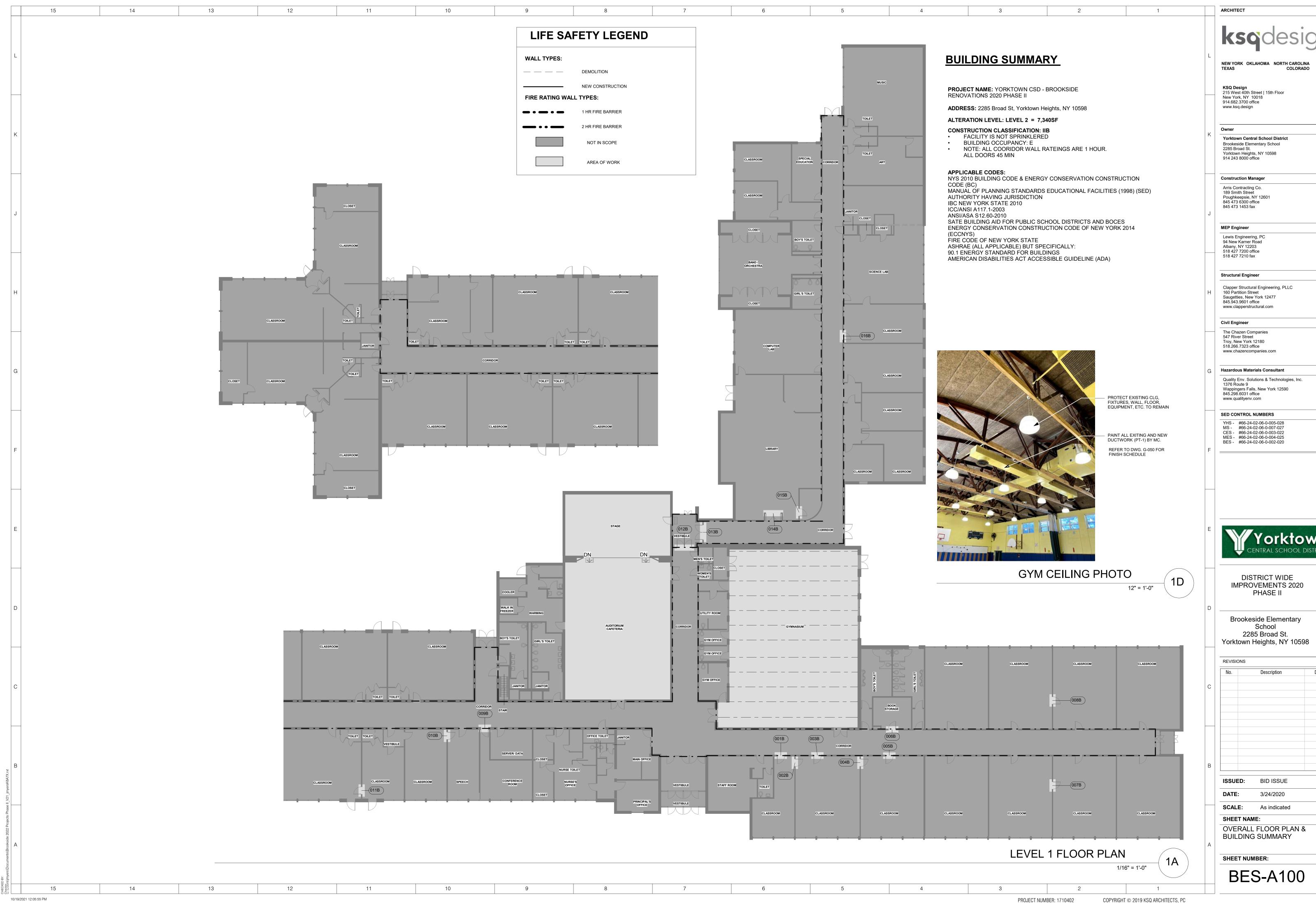
SHEET NAME:

STRUCTURAL NOTES AND SPECIAL INSPECTIONS

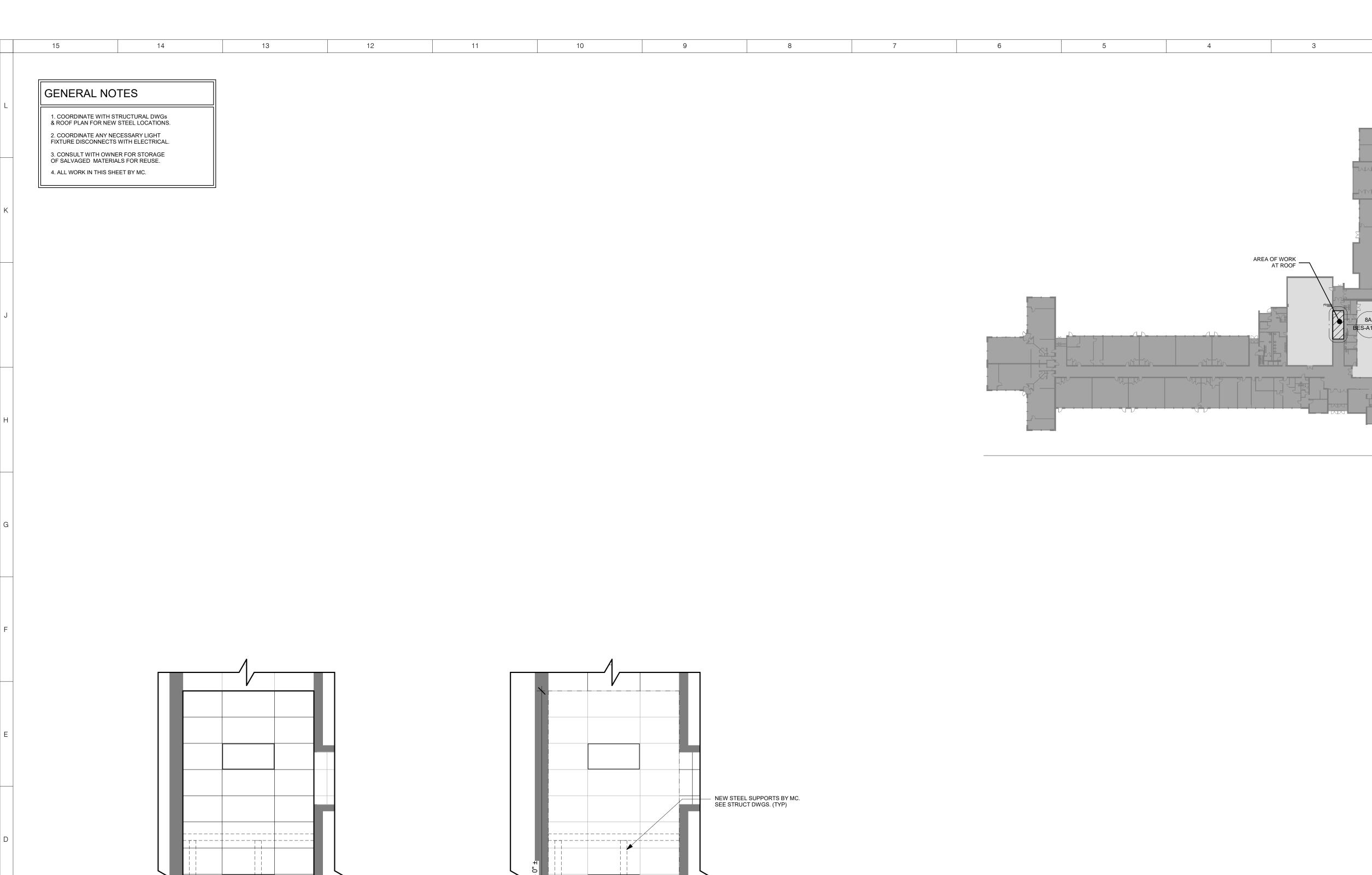
SHEET NUMBER:

BES-S001









PROVIDE TEMPORARY SUPPORT AS REQ FOR EXISTING LIGHT FIXTURES.

REMOVE EXISTING
 CEILING & GRID IN ENTIRETY.
 SALVAGE AND REUSE.

1/4" = 1'-0"

10' - 0" ±

RCP CORRIDOR B - DEMO

(WORK BY MC)

- REINSTALL EXISTING LIGHT FIXTURES.

- REINSTALL EXISTING ACT CEILING & GRID.

1/4" = 1'-0"

12

RCP CORRIDOR B - NEW WORK

(WORK BY MC)

KEY PLAN

NEW YORK OKLAHOMA NORTH CAROLINA TEXAS COLORADO

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Owner

ARCHITECT

Yorktown Central School District Brookeside Elementary School 2285 Broad St. Yorktown Heights, NY 10598 914 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer Lewis Engineering, PC 94 New Karner Road Albany, NY 12203 518 427 7200 office 518 427 7210 fax

Structural Engineer

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer

1" = 50'-0"

The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

Hazardous Materials Consultant

Quality Env. Solutions & Technologies, Inc. 1376 Route 9 Wappingers Falls, New York 12590 845.298.6031 office www.qualityenv.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020



DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

Brookeside Elementary School 2285 Broad St. Yorktown Heights, NY 10598

REVISIONS

No.	Description	Date

BID ISSUE ISSUED: 3/24/2020

SCALE: As indicated

SHEET NAME: RCP ENLARGED FIRST

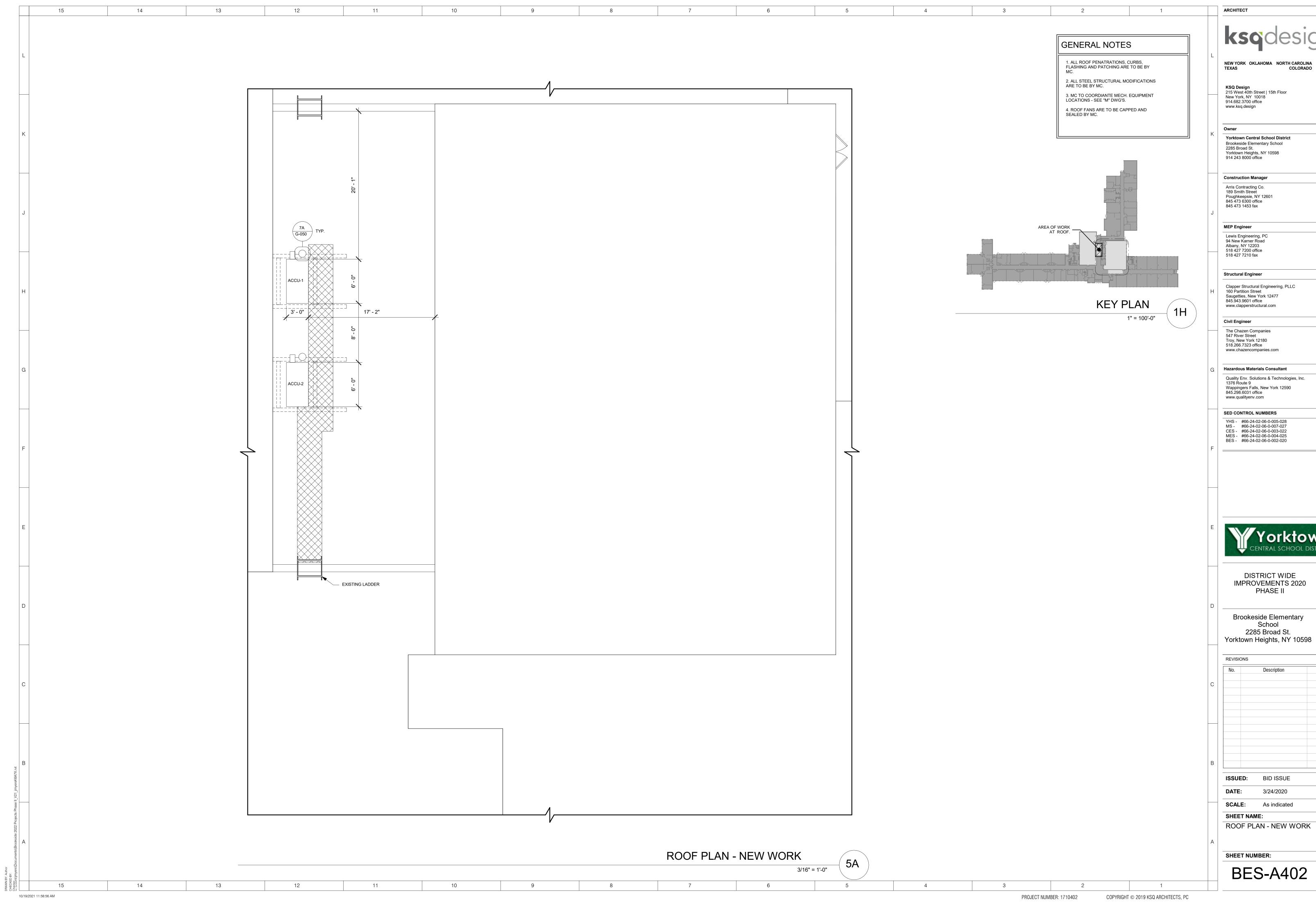
SHEET NUMBER:

FLOOR

BES-A111

10/19/2021 11:58:55 AM

PROJECT NUMBER: 1710402





15		14		13			12 		11			1	0		9	8
								Door	Schedule							
Door Number	Room	Door Type	Glass Opening Size	Width	Height	Do- Thickness		Finish	Under Cut	Finish	Mater	Frame Head	Jamb	Sill	Hardware Fire Rating	Comments
001B	CLASSROOM	1	0'-8" x 3'-0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 45 MIN	REPLACE WIRE GLASS
002B	CLASSROOM	1	0'-8" x 3'-0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 45 MIN	REPLACE WIRE GLASS
003B	CLASSROOM	1	0'-8" x 3'-0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 45 MIN	REPLACE WIRE GLASS
004B	CLASSROOM	1	0'-8" x 3'-0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 45 MIN	REPLACE WIRE GLASS
005B	CLASSROOM	1	0'-8" x 3'-0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 45 MIN	REPLACE WIRE GLASS
006B	BOOK STORAGE	1	0'-8" x 3'-0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 90 MIN	REPLACE WIRE GLASS
007B	CLASSROOM	3	2'-0"x3'- 0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 45 MIN	REPLACE WIRE GLASS
008B	CLASSROOM	1	0'-8" x 3'-0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 45 MIN	REPLACE WIRE GLASS
009B	CORRIDOR	1	0'-8" x 3'-0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR		-	-	ETR	-	-		- 90 MIN	REPLACE WIRE GLASS
010B	SPEECH	1	0'-8" x 3'-0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 45 MIN	REPLACE WIRE GLASS
011B	CLASSROOM	1	0'-8" x 3'-0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 45 MIN	REPLACE WIRE GLASS
012B	CORRIDOR	4	0'-8" x 3'-0"	6' - 0"	7' - 0"	0' - 1 3/4"	ETR		-	-	ETR	-	-		- 45 MIN	REPLACE WIRE GLASS
013B	CORRIDOR	4	0'-8" x 3'-0"	6' - 0"	7' - 0"	0' - 1 3/4"	ETR		-	-	ETR	-	-		- 45 MIN	REPLACE WIRE GLASS
014B	LIBRARY	4	0'-8" x 3'-0"	6' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 45 MIN	REPLACE WIRE GLASS
015B	LIBRARY	1	0'-8" x 3'-0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 45 MIN	REPLACE WIRE GLASS
016B	CLASSROOM	1	0'-8" x 3'-0"	3' - 0"	7' - 0"	0' - 1 3/4"	ETR	-	-	-	ETR	-	-	-	- 45 MIN	REPLACE WIRE GLASS

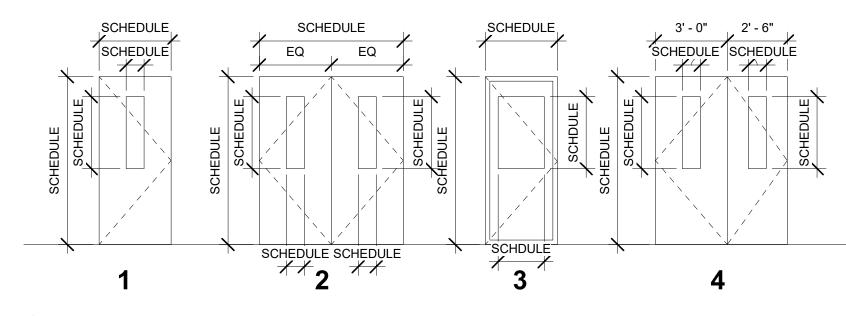
GENERAL NOTES

1. GC TO VERIFY ALL WIRED GLASS SIZING BEFORE REMOVALS

2. ALL NEW GLAZING TO BE 3/16" PYRAN F FIRE RATED

3. ALL INTERIOR GLAZING SIZED AND TYPES ARE TO CONFORM TO NFPA 80 AND/OR ASTM E119

ETR-EXISTING TO REMAIN HM=HOLLOW METAL WD=WOOD -- = NOT APPLICABLE



12

DOOR TYPES
1/4" = 1'-0"

NOTE: ALL WORK ON THIS DRAWING BY GC

ARCHITECT

L NEW YORK OKLAHOMA NORTH CAROLINA TEXAS COLORADO

KSQ Design
215 West 40th Street | 15th Floor
New York, NY 10018
914.682.3700 office

www.ksq.design

Owner

Yorktown Central School District

Brookeside Elementary School
2285 Broad St.
Yorktown Heights, NY 10598
914 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

Lewis Engineering, PC 94 New Karner Road Albany, NY 12203 518 427 7200 office 518 427 7210 fax

Structural Engineer

Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer

The Chazen Companies
547 River Street
Troy, New York 12180
518.266.7323 office
www.chazencompanies.com

Hazardous Materials Consultant

Quality Env. Solutions & Technologies, Inc. 1376 Route 9
Wappingers Falls, New York 12590 845.298.6031 office www.qualityenv.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020



DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

Brookeside Elementary School 2285 Broad St. Yorktown Heights, NY 10598

No. Description Date

DATE: 3/24/2020

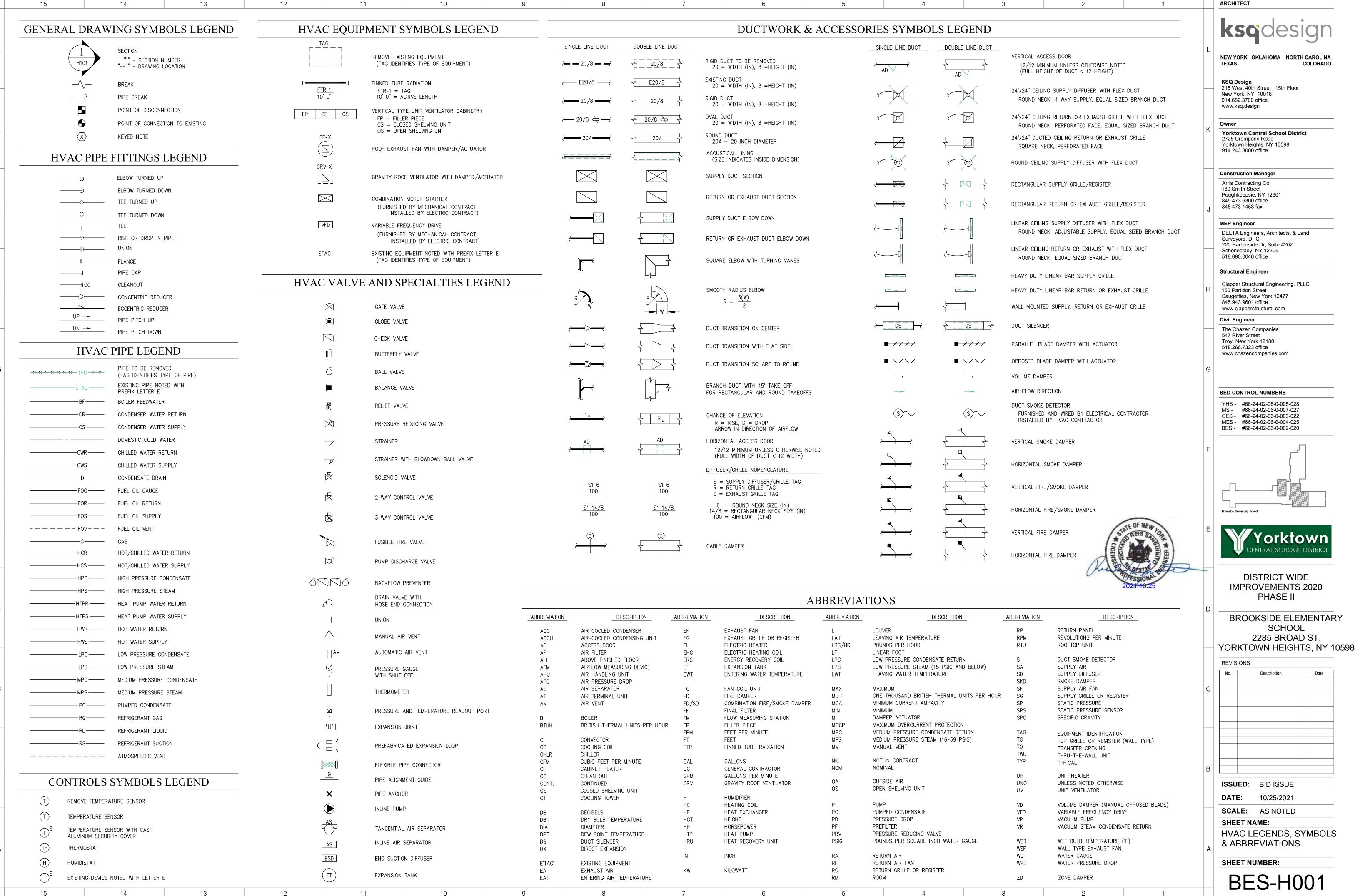
SCALE: 1/4" = 1'-0"

SHEET NAME:

DOOR SCHEDULE AND DETAILS

SHEET NUMBER:

BES-A600



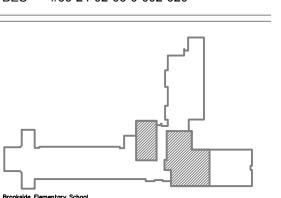
NEW YORK OKLAHOMA NORTH CAROLINA

Yorktown Central School District

DELTA Engineers, Architects, & Land

Clapper Structural Engineering, PLLC

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE IMPROVEMENTS 2020

BROOKSIDE ELEMENTARY SCHOOL 2285 BROAD ST.

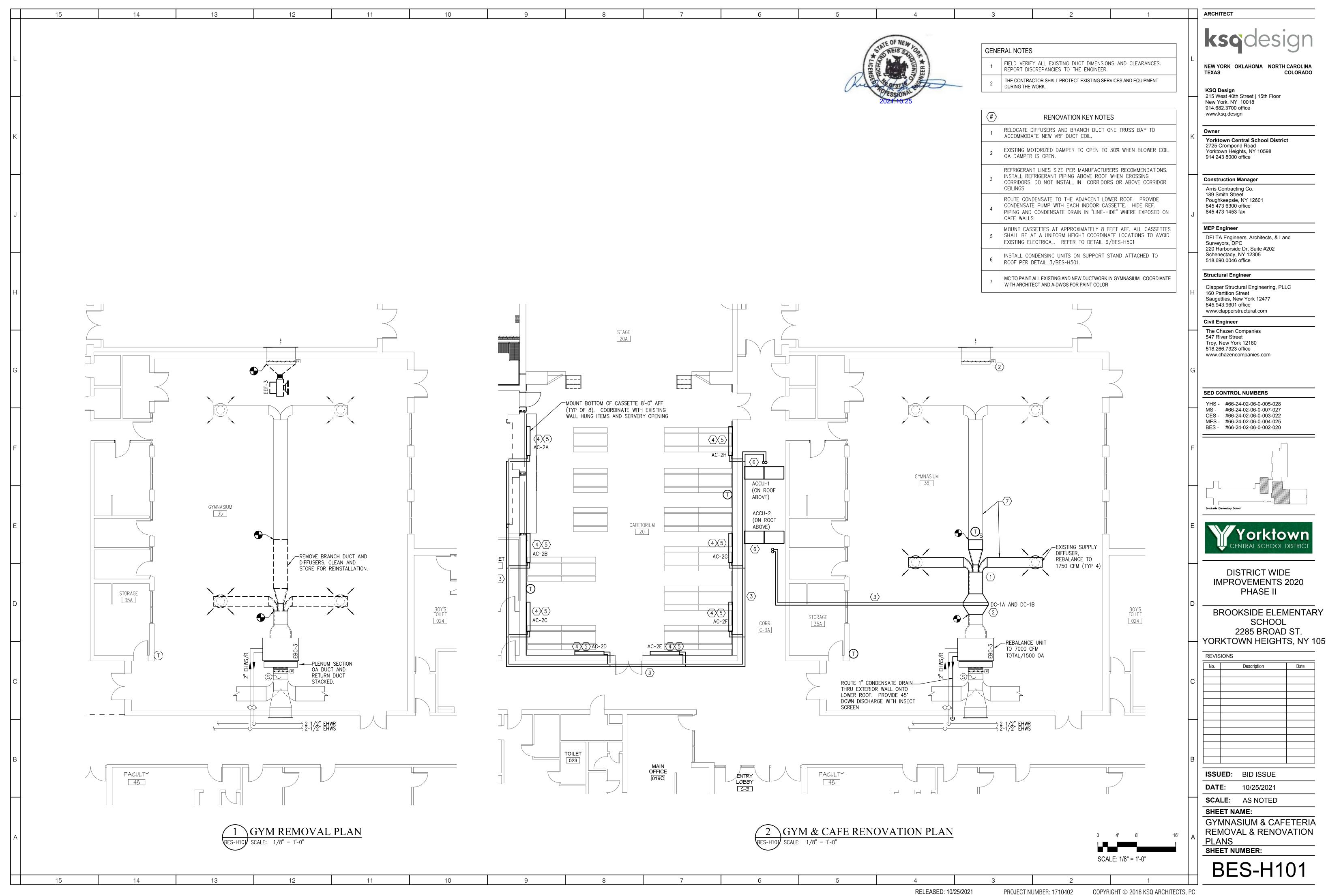
REVIS	IONS		
No.		Description	Date
ISSUED:		BID ISSUE	

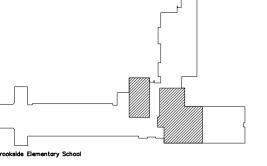
BES-H001

COPYRIGHT © 2018 KSQ ARCHITECTS. PC

RELEASED: 10/25/2021

PROJECT NUMBER: 1710402

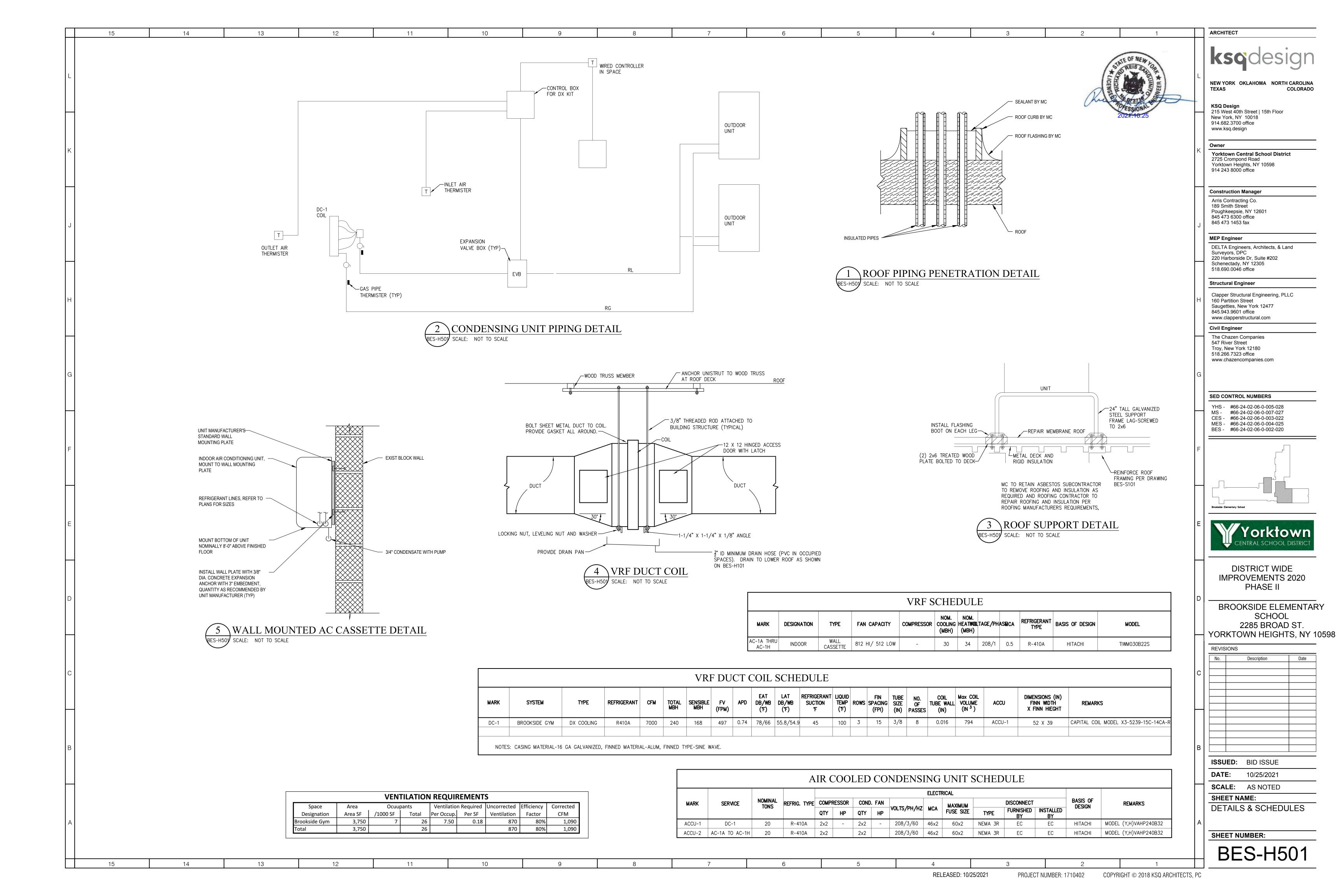






YORKTOWN HEIGHTS, NY 10598

REVISIO	ONS		
No.	Description	Date	
		_	
		1	
		1	
		-1	
ISSUED: BID ISSUE			



VRF CASSETTE SEQUENCE OF OPERATION

A. NONE FOR COOLING

UNOCCUPIED MODE:

OCCUPIED MODE:

14

15

15

PRE-OCCUPIED START-UP.

- A. THE PRE-OCCUPIED START TIME SHALL BE ONE HOUR BEFORE THE START OF SCHOOL (ADJUSTABLE). AT THIS TIME UPON A CALL FOR COOLING AT THE NORMAL OCCUPIED
 - I. THE VRF SYSTEM SHALL BE ENERGIZED

13

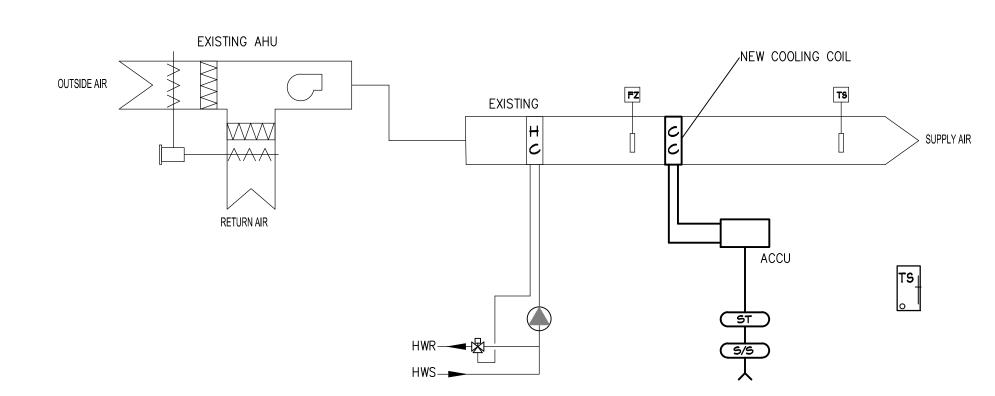
12

11

- II. THE INDIVIDUAL CASSETTES SHALL PROVIDE COOLING UNTIL THE SETPOINT IS
- 2. SETPOINT TEMPERATURES: A. COOLING: 72 ° F (ADJUSTABLE)
- 3. OCCUPIED SCHEDULE OPERATION:
 - A. THE OCCUPIED SCHEDULE SHALL BE UNIQUELY PROGRAMMABLE FROM THE BUILDING CONTROL HEAD END. INITIAL SETTINGS:
 - I. FROM START OF SCHOOL UNTIL 30 MINUTES AFTER THE LAST CLASS. THIS SHOULD BE MODIFIABLE TO EXTEND FOR REGULARLY SCHEDULED AFTER
 - SCHOOL ACTIVITIES. B. THE SUPPLY EXISTING AHU FANS SHALL CONTINUE TO OPERATE NORMALLY.
 - C. THE EXISTING OUTSIDE AIR DAMPERS SHALL OPEN TO THE MINIMUM POSITION.
 - I. MINIMUM OUTSIDE AIR/UNIT: 1000 CFM/ AHU (ADJUSTABLE) D. THE CONTROLLER SHALL CONTINUE TO MONITOR THE SPACE TEMPERATURE AND
- MODULATE THE VRF SYSTEM ACCORDINGLY. 4. SPECIAL EVENT OVERRIDE:
 - A. THE SYSTEM SHALL HAVE AN OVERRIDE FUNCTION THAT MAY BE INITIATED BY THE HEAD END COMPUTER. THE OVERRIDE SHALL BE ABLE SPECIFY THE DATE, START AND
 - FINISH TIMES OF THE EVENT. B. THE OVERRIDE SHALL CONTROL BOTH THE EXISTING AHU FANS AND DAMPERS AS WELL
 - C. THE OVERRIDE COMMAND WILL HAVE A BUILT IN ONE-HOUR PRE-OCCUPIED CYCLE.

STATUS ALARMS AND SETPOINTS

- 1. THE CONTROLLER SHALL INTERFACE EITHER DIRECTLY OR VIA A BACNET CONNECTION WITH
- BUILDING AUTOMATION SYSTEM'S HEAD END.
- 2. THE HEAD SHALL AT A MINIMUM BE ABLE TO READ THE STATUS OF THE FOLLOWING:
- A. SPACE TEMPERATURE AND SETPOINT
- B. VRF CONDENSING UNIT STATUS
- C. INDIVIDUAL VRF CASSETTEMP STATUS D. SUPPLY AIR TEMPERATURE
- 3. ADJUSTABLE SETPOINTS SHALL INCLUDE:
 - A. SPACE TEMPERATURE
- B. OCCUPANCY SCHEDULE C. SPECIAL EVENT OVERRIDE
- 4. THE FOLLOWING ALARMS SHALL BE REPORTED:
- A. SPACE TEMPERATURE 3 DEGREES ABOVE OR BELOW THE SETPOINT (ADJUSTABLE)
- B. CASSETTE FAILURE
- C. COMPRESSOR FAILURE



1 VRF DUCT COIL SEQUENCE OF OPERATIONS BES-H701 SCALE: NTS

SEQUENCE OF OPERATIONS

THE EXISTING AHU'S NORMAL SEQUENCE OF OPERATIONS SHALL BE MAINTAINED INCLUDING: a. OCCUPIED/UNOCCUPIED SCHEDULE OF OPERATION.

 b. HEATING SETPOINTS AND CONTROL. c. OUTSIDE AIR VENTILATION (REBALANCED TO NEW CFM).

d. THE VFD SHALL MAINTAIN THE ORIGINAL UNIT TOTAL AIR FLOW IN THE HEATING MODE.

NEW DUCT COOLING COIL SEQUENCE OF OPERATION

1. THE COOLING COIL VRF SYSTEM SHALL ONLY BE ENABLED WHEN THE ASSOCIATED AHU IS OPERATING.

2. PRE-OCCUPIED START-UP 2.a. IF ONE HOUR PRIOR TO THE NORMAL START SCHEDULE THE SPACE CALLS FOR COOLING A PRE-COOLING CYCLE SHALL COMMENCE.

THE AHU RETURN AIR DAMPER SHALL OPEN.

THE OUTSIDE AIR DAMPER SHALL REMAIN CLOSED. 2.a.3. THE AHU SUPPLY FAN SHALL START.

2.b. THE SYSTEM SHALL BRING THE SPACE TO NORMAL OCCUPIED TEMPERATURES. THE DISCHARGE TEMPERATURE IN THE SUPPLY DUCT SHALL NOT BE LOWER THAN 65°F TO

PREVENT CONDENSATION ON THE OUTSIDE OF UNINSULATED DUCTS. THE SA TEMPERATURE SETPOINT SHALL BE LOWERED BY 2 DEGREES F EVERY 15 MINUTES UNTIL

EITHER THE ROOM TEMPERATURE IS SATISFIED OR THE MINIMUM SA TEMPERATURE IS REACHED.

SETPOINT TEMPERATURES ARE THE NORMAL OCCUPIED VALUES. 2.e. THE DX COMPRESSOR SHALL START IF FREE COOLING IS NOT AVAILABLE.

3. SETPOINT TEMPERATURES: COOLING: 72 DEGREES (ADJUSTABLE).

4. OCCUPIED SCHEDULE OPERATION: 4.a. THE SUPPLY FAN SHALL RUN AT THE COOLING CFM TO MAINTAIN A MAXIMUM OF 500 FPM ACROSS

THE COOLING COIL. THE OUTSIDE AIR DAMPER SHALL OPEN TO THE MINIMUM POSITION. THE EXHAUST FAN SHALL START.

THE CONTROLLER SHALL CONTINUE TO MONITOR THE SPACE TEMPERATURE AND MODULATE VRF

THE CAFETERIA SUPPLY AIR TEMPERATURE SHALL BE LIMITED TO A MINIMUM OF 60 DEGREES TO PREVENT CONDENSATION ON THE OUTSIDE OF UNINSULATED DUCTS.

THE GYM SUPPLY AIR TEMPERATURE SHALL BE MAINTAINED AT OR ABOVE 55 DEGREES.

5. SPECIAL EVENT OVERRIDE: 5.1. THE SYSTEM SHALL HAVE AN OVERRIDE FUNCTION THAT MAY BE INITIATED BY THE HEAD END COMPUTER. THE OVERRIDE SHALL BE ABLE TO SPECIFY THE DATE, START AND FINISH TIMES OF THE

5.2. THE OVERRIDE COMMAND WILL HAVE A BUILT IN ONE-HOUR PRE-OCCUPIED CYCLE.

STATUS ALARMS AND SETPOINTS

1. THE VRF CONTROLLER SHALL INTERFACE EITHER DIRECTLY OR VIA A BACNET CONNECTION WITH BUILDING AUTOMATION SYSTEM'S HEAD END.

2. THE HEAD SHALL AT A MINIMUM BE ABLE TO READ THE STATUS OF THE FOLLOWING:

2.a. SPACE TEMPERATURE AND SETPOINT. 2.b. VRF COOLING STATUS.

2.b.1. SUPPLY AIR TEMPERATURE. 3. ADJUSTABLE SETPOINTS SHALL INCLUDE:

3.1. SPACE TEMPERATURE.

3.2. SPECIAL EVENT OVERRIDE.

3.a. MINIMUM SUPPLY AIR TEMPERATURE. 4. THE FOLLOWING ALARMS SHALL BE REPORTED:

4.1. SPACE TEMPERATURE 3 DEGREES ABOVE OR BELOW THE SETPOINT (ADJUSTABLE).

4.2. VRF COMPRESSOR FAILURE.

ARCHITECT

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Yorktown Central School District 2725 Crompond Road Yorktown Heights, NY 10598

Construction Manager

914 243 8000 office

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

DELTA Engineers, Architects, & Land Surveyors, DPC 220 Harborside Dr, Suite #202 Schenectady, NY 12305 518.690.0046 office

Structural Engineer

Clapper Structural Engineering, PLLC

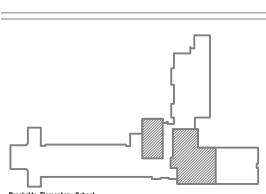
160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer The Chazen Companies 547 River Street Troy, New York 12180

518.266.7323 office www.chazencompanies.com

SED CONTROL NUMBERS

YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025 BES - #66-24-02-06-0-002-020





DISTRICT WIDE **IMPROVEMENTS 2020** PHASE II

BROOKSIDE ELEMENTARY SCHOOL 2285 BROAD ST. YORKTOWN HEIGHTS, NY 10598

REVISIONS Description Date

ISSUED: BID ISSUE 10/25/2021

SCALE: AS NOTED SHEET NAME:

CONTROL DIAGRAMS

SHEET NUMBER:

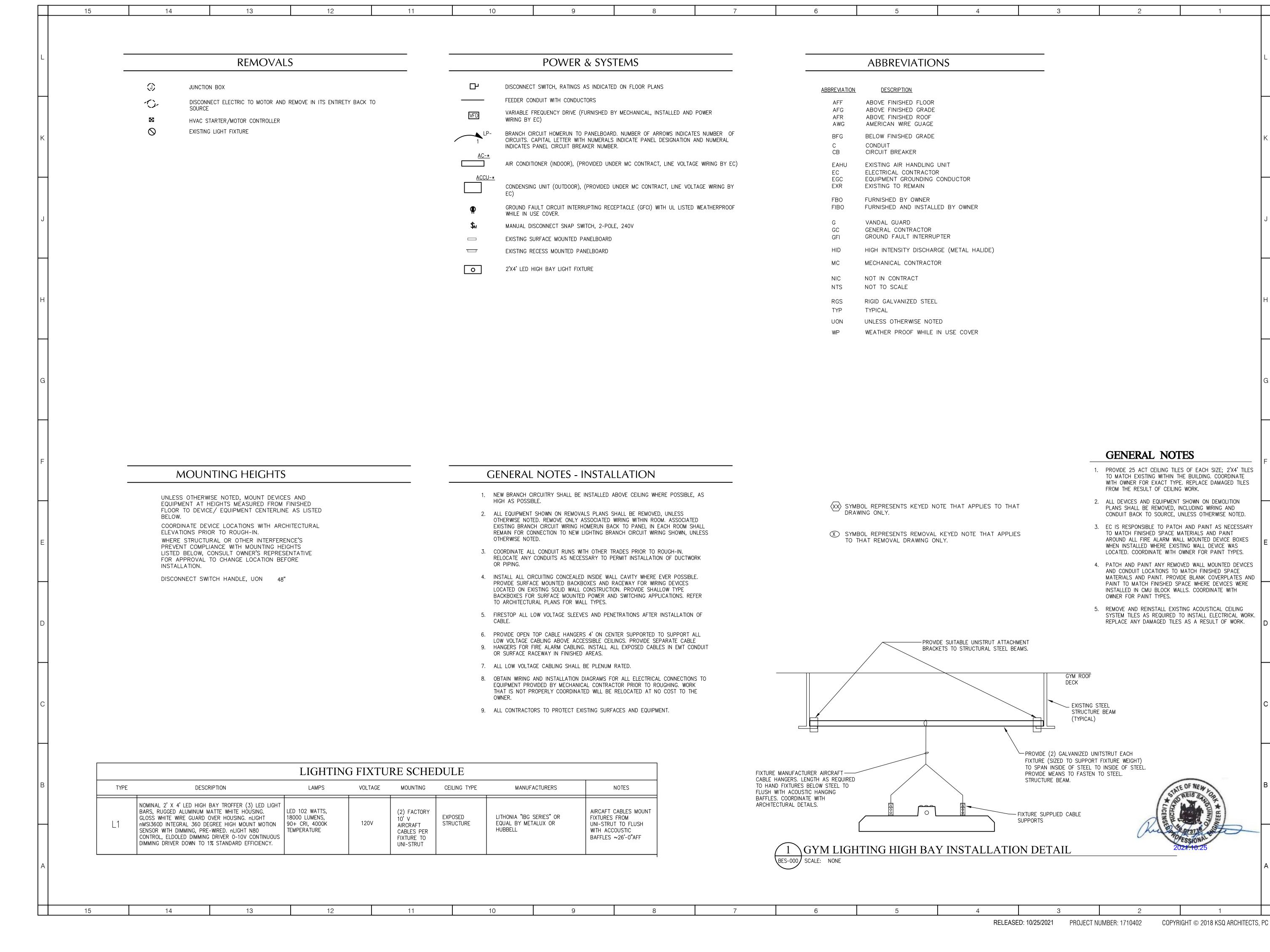
BES-H701

RELEASED: 10/25/2021

PROJECT NUMBER: 1710402

COPYRIGHT © 2018 KSQ ARCHITECTS, PC

13 12



ARCHITECT

ksqdesigr

NEW YORK OKLAHOMA NORTH CAROLINA

KSQ Design 215 West 40th Street | 15th Floor New York, NY 10018 914.682.3700 office www.ksq.design

Owner

Yorktown Central School District
2725 Crompond Road

Yorktown Heights, NY 10598 914 243 8000 office

Construction Manager

Arris Contracting Co. 189 Smith Street Poughkeepsie, NY 12601 845 473 6300 office 845 473 1453 fax

MEP Engineer

DELTA Engineers, Architects, & Land Surveyors, DPC
220 Harborside Dr, Suite #202
Schenectady, NY 12305

Structural Engineer

518.690.0046 office

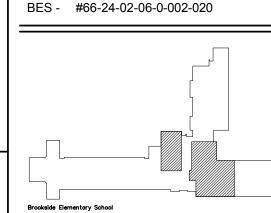
Clapper Structural Engineering, PLLC 160 Partition Street Saugetties, New York 12477 845.943.9601 office www.clapperstructural.com

Civil Engineer

The Chazen Companies 547 River Street Troy, New York 12180 518.266.7323 office www.chazencompanies.com

SED CONTROL NUMBERS

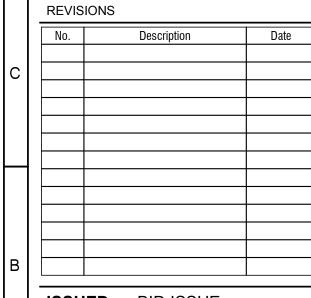
YHS - #66-24-02-06-0-005-028 MS - #66-24-02-06-0-007-027 CES - #66-24-02-06-0-003-022 MES - #66-24-02-06-0-004-025



W Yorktowr

DISTRICT WIDE IMPROVEMENTS 2020 PHASE II

BROOKSIDE ELEMENTARY
SCHOOL
2285 BROAD ST.
YORKTOWN HEIGHTS, NY 10598



ISSUED: BID ISSUE

DATE: 10/25/2021

SCALE: AS NOTED

SHEET NAME:

ABBREVIATIONS

SHEET NUMBER:

ELECTRICAL LEGEND &

BES-E000

