

CHESTER UNION FREE SCHOOL DISTRICT
CHESTER ACADEMY STEM LAB ALTERATIONS

64 HAMBLETONIAN AVENUE
 CHESTER, NY 10918

ISSUE FOR BID - NOVEMBER 02, 2022

**CHESTER ACADEMY STEM
 LAB ALTERATIONS**

NY SED Project Control No.
 44-02-01-02-0-009-006

KG+D Project No.
 2021-1080



DESIGN TEAM

CONSTRUCTION DOCUMENTS



ARCHITECT
KG+D Architects, P.C
 285 Main Street
 Mount Kisco, NY 10549
 phone: 914.666.5900

MECHANICAL ENGINEER
OLA Consulting Engineers
 50 Broadway Suite 2
 Hawthorne, NY 10532
 phone: 914.747.2800

STRUCTURAL ENGINEER
The DiSalvo Engineering Group
 Lee Farm Corporate Park - Suite 200
 83 Wooster Heights Road
 Danbury, CT 06810
 phone: 203.490.4140

SPECIFICATION CONSULTANT
Sue McClymonds Architect
 200 Robb Road
 Amsterdam, NY 12010
 phone: 518.843.4054

LIST OF DRAWINGS

GENERAL		PLUMBING	
G001	GENERAL INFORMATION	P001	PLUMBING SYMBOLS & GENERAL NOTES
CC001	CODE COMPLIANCE INFORMATION	P201	PLUMBING NEW WORK PLANS
CC002	CODE COMPLIANCE PLANS & INFO	MECHANICAL	
S101	2ND AND 3RD PARTIAL FLOOR FRAMING PLAN	M001	MECHANICAL SYMBOLS AND GENERAL NOTES
A101	DEMOLITION PLANS	M101	MECHANICAL DEMOLITION PLANS
A201	AREA OF WORK FLOOR PLANS	M201	MECHANICAL NEW WORK PLANS
A401	INTERIOR ELEVATIONS	M601	MECHANICAL SCHEDULES
A440	MILLWORK DETAILS	M701	MECHANICAL DETAILS 1 OF 2
A501	FINISH PLANS AND SCHEDULES & SIGNAGE INFORMATION	M702	MECHANICAL DETAILS 2 OF 2
A502	FURNITURE AND EQUIPMENT PLANS & SCHEDULES	ELECTRICAL	
A601	AREA OF WORK REFLECTED CEILING PLAN	E001	ELECTRICAL SYMBOLS, ABBREVIATIONS, & NOTES
A701	STAIR PLANS & SECTIONS	E101	ELECTRICAL PLANS - DEMOLITION
A901	DOOR, FRAME AND PARTITION TYPES & DETAILS	E201	ELECTRICAL PLANS - LIGHTING
		E301	ELECTRICAL PLANS - POWER
		E801	ELECTRICAL SCHEDULES
		E701	ELECTRICAL DETAILS

PROJECT ABBREVIATIONS

AFF	ABOVE FINISH FLOOR	GALV	GALVANIZED	RCP	REFLECTED CEILING PLAN
ACM	ASBESTOS CONTAINING MATERIAL	GFB	GROUND FACE BLOCK	REFL	REFLECTED
ACPL	ACOUSTIC PANEL	GFRG	GLASS FIBER REINFORCED GYPSUM	REQD	REQUIRED
ACT	ACOUSTIC CEILING TILE	GL	GLASS	RB	RUBBER BASE
ADJ	ADJUSTABLE	GOG	GOGGLE	RTN	RETURN
AC	AIR CONDITIONING	GWB	GYPSUM WALLBOARD	RA	RETURN AIR
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	H	HEIGHT AFF	REV	REVISED/REVISION
AHAP	AS HIGH AS POSSIBLE	HDW	HARDWARE	RFI	REQUEST FOR INFORMATION
ALUM	ALUMINUM	HDWD	HARDWOOD	RO	ROUGH OPENING
AMP	ACRYLIC MODIFIED POLYESTER	HD	HEAD	RT	RUBBER TREAT/D/TILE
APPROX	APPROXIMATE	HDR	HEADER	RTB	RUBBER TREAD BASE
		HVAC	HEATING, VENTILATING, AIR CONDITIONING	RTT	RESILIENT TERRAZZO TILE
BEPO	BROADCAST EPOXY	HR	HOUR	RW	RESCUE WINDOW
BETW	BETWEEN	HT	HEIGHT	S	SAFETY GLZING/SEE SPEC
BLKG	BLOCKING	HM	HOLLOW METAL	SCHED	SCHEDULE/SCHEDULED
BOT	BOTTOM	HMFR	HOLLOW METAL FRAME	SECT	SECTION
BLDG	BUILDING	HORIZ	HORIZONTAL	SFB	SPLIT FACE BLOCK
BL	BUILDING LINE	HC	HANDICAP	SH	SHELVING/SHELF/SHELVES
		IF	INSIDE FACE	SIM	SIMILAR
CAB	CABINET	IN	INCH/INCHES	SL	SLATE
CB	CEMENT BOARD	INCL	INCLUDE/INCLUSIVE	STC	SOUND TRANSMISSION CLASS
CI	CAST IRON	INFO	INFORMATION	SPEC	SPECIFICATION
CLG	CEILING	INSUL	INSULATION	SOFT	SQUARE FOOT
CL	CENTER LINE	INT	INTERIOR	ST	SAND, STAIN & SEAL
CMU	CONCRETE MASONRY UNIT	JC	JANITOR'S CLOSET	STSTL	STAINLESS STEEL
COL	COLUMN	JT	JOINT	STL	STEEL
CONC	CONCRETE	KPL	KICK PLATE	STR	STRUCTURAL/STRUCTURE
CONF	CONFERENCE	KD	KNOCKDOWN	SUSP	SUSPENDED/SUSPENSION
CONSTR	CONSTRUCTION	KO	KNOCKOUT	T	TOP
CONTR	CONTRACTOR	LAM	LAMINATED	TB	TACKBOARD
CONT	CONTINUOUS	LAMGL	LAMINATED GLASS	TBD	TO BE DETERMINED
CPT	CARPET	LT	LIGHT	TERR	TERRAZZO
CT	CERAMIC TILE	LTG	LIGHTING	TF	TOP FINISHED FLOOR
CTB	CERAMIC TILE BASE	LWC	LIGHT WEIGHT CONCRETE	TMP GL	TEMPERED GLASS
		LIN	LINOLEUM	THERMO	THERMOSTAT
DA	DEVICE ARRANGEMENT	MAINT	MAINTENANCE	T&B	TOP AND BOTTOM
DET	DETAIL	MAX	MAXIMUM	TO	TOP OF
DF	DRINKING FOUNTAIN	MFG	MANUFACTURER	TOS	TOP OF STEEL
DM	DIMENSION	MFR	MANUFACTURER	TOES	TOP OF EXISTING SLAB
DR	DOOR	MISRY	MASONRY	TRT	TERRAZZO RESILIENT TILE
DN	DOWN	MO	MASONRY OPENING	TYP	TYPICAL
DWG	DRAWING	MATL	MATERIAL	UNFIN	UNFINISHED
		MECH	MECHANICAL	UNO	UNLESS NOTED OTHERWISE
EE	EACH END	MTL	METAL	UR	UNRINAL
EFS	EXTERIOR INSULATION FINISH SYSTEM	MCB	METAL COMPOSITE PANEL	UTIL	UTILITY
EJ	EXPANSION JOINT	MS	METAL STUD	VAT	VINYL ASBESTOS TILE
ELEC	ELECTRIC/ELECTRICAL	MLWK	MILL WORK	VCT	VINYL COMPOSITE TILE
ELELEV	ELEVATION	MIN	MINIMUM	VEN	VENEER
ENCL	ENCLOSURE	MISC	MISCELLANEOUS	VERT	VERTICAL
ENCLOS	ENCLOSURE	MLDG	MOLDING	VET	VINYL ENHANCED TILE
EDG	EDGE OF DECK	MTG	MOUNTING	VIF	VERIFY IN FIELD
EOS	EDGE OF SLAB	NTS	NOT TO SCALE	VRS	VINYL REDUCER STRIP
EPO	EPOXY	NO	NUMBER	VT	VINYL TILE
EPS	EDGE OF POUR STOP	OC	ON CENTER	VWC	VINYL WALL COVERING
EQ	EQUAL	OPNG	OPENING	WB	WHITEBOARD
ES	EACH SIDE	OPP	OPPOSITE	WC	WATER CLOSET
EXST	EXISTING	OT	OUTLET	WF	WATER FOUNTAIN
ETR	EXISTING TO REMAIN	OTS	OPEN TO STRUCTURE	WGL	WIRE GLASS
ETRE	EXISTING TO BE RELOCATED	OUT	OUTLET	W	WITH
EXP JT	EXPANSION JOINT	OD	OUTSIDE DIAMETER	W/C	WHEEL CHAIR
EXT	EXTERIOR	OF	OUTSIDE FACE	W/O	WITHOUT
EW	EACH WAY	OD	OUTSIDE FACE	WOM	WALK OFF MAT
		OD	OUTSIDE FACE	WD	WOOD
FAB	FABRIC	OD	OUTSIDE FACE	WD B/LKG	WOOD BLOCKING
FTF	FACE TO FACE	P	PAINTED	WD DR	WOOD DOOR
FIN	FINISHED	PT	PORCELAIN TILE	WP	WATERPROOFING
FA	FIRE ALARM	PTB	PORCELAIN TILE BASE	WR	WARDROBE
FD	FLOOR DRAIN	PR	PAIR	WW	WINDOW WALL
FDMPR	FIRE DAMPER	PNL	PANEL	YD	YARD
FE	FIRE EXTINGUISHER	PTN	PARTITION	YCO	YARD CLEANOUT
FEG	FIRE EXTINGUISHER CABINET	PL	PROPERTY LINE	ZCC	ZINC COATED COPPER
FF	FACTORY FINISH	PLAM	PLASTIC LAMINATE		
FHC	FIRE HOSE CABINET	PLMB	PLUMBING		
FHVC	FIRE HOSE VALVE CABINET	PLYWD	PLYWOOD		
FR	FIRE RATED	PTWD	PRESERVATIVE TREATED WOOD		
FRD	FRENCH DRAIN	QT	QUARRY TILE		
FFSC	FIRE RATED ASSEMBLY (DOORS)	QTB	QUARRY TILE BASE		
FRTD	FIRE RETARDANT	QTY	QUANTITY		
FIX	FIXTURE				
FLUFLR	FLOOR				
FLUOR	FLUORESCENT				
FL MTD	FLUSH MOUNTED				
FT	FOOT/FEET				
FON	FOUNDATION				
FRITZ	FRITZ FLOOR (RTT) TILE				

UNIFORM SAFETY STANDARDS FOR SCHOOL CONSTRUCTION & MAINTENANCE PROJECTS

THE OCCUPIED PORTION OF THE EXISTING SCHOOL BUILDING SHALL ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY.

ALL SCHOOL AREAS TO BE DISTURBED DURING RENOVATION OR DEMOLITION HAVE BEEN OR WILL BE TESTED FOR LEAD AND ASBESTOS.

GENERAL SAFETY AND SECURITY STANDARDS FOR CONSTRUCTION PROJECTS:

- (A) ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.
- (B) FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.
- (C) GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.
- (D) DURING EXTERIOR RENOVATION WORK, OVERHEAD PROTECTION SHALL BE PROVIDED FOR ANY SIDEWALKS OR AREAS IMMEDIATELY BENEATH THE WORK SITE OR SUCH AREAS SHALL BE FENCED OFF AND PROVIDED WITH WARNING SIGNS TO PREVENT ENTRY.
- (E) WORKERS SHALL BE REQUIRED TO WEAR PHOTO-IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING AT OCCUPIED SITES.

SEPARATION OF CONSTRUCTION AREAS FROM OCCUPIED SPACES:

CONSTRUCTION AREAS WHICH ARE UNDER THE CONTROL OF A CONTRACTOR AND THEREFORE NOT OCCUPIED BY DISTRICT STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PREVENT THE PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTION AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST OR CONTAMINANTS. GYPSUM BOARD MUST BE USED IN EXIT WAYS OR OTHER AREAS THAT REQUIRE FIRE RATED SEPARATION. HEAVY DUTY PLASTIC SHEETING MAY BE USED ONLY FOR A VAPOR, FINE DUST OR AIR INFILTRATION BARRIER, AND SHALL NOT BE USED TO SEPARATE OCCUPIED SPACES FROM CONSTRUCTION AREAS.

- (A) A SPECIFIC STAIRWELL AND/OR ELEVATOR SHOULD BE ASSIGNED FOR CONSTRUCTION WORKER USE DURING WORK HOURS. IN GENERAL, WORKERS MAY NOT USE CORRIDORS, STAIRS OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF.
- (B) LARGE AMOUNTS OF DEBRIS MUST BE REMOVED BY USING ENCLOSED CHUTES OR A SIMILAR SEALED SYSTEM. THERE SHALL BE NO MOVEMENT OF DEBRIS THROUGH HALLS OF OCCUPIED SPACES OF THE BUILDING. NO MATERIAL SHALL BE DROPPED OR THROWN OUTSIDE THE WALLS OF THE BUILDING.
- (C) ALL OCCUPIED PARTS OF THE BUILDING AFFECTED BY RENOVATION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORKDAY. SCHOOL BUILDINGS OCCUPIED DURING A CONSTRUCTION PROJECT SHALL MAINTAIN REQUIRED HEALTH, SAFETY AND EDUCATIONAL CAPABILITIES AT ALL TIMES THAT CLASSES ARE IN SESSION.

A PLAN DETAILING HOW EXITING REQUIRED BY THE APPLICABLE BUILDING CODE WILL BE MAINTAINED.

A PLAN DETAILING HOW ADEQUATE VENTILATION WILL BE MAINTAINED DURING CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE OPERATIONS SHALL NOT PRODUCE NOISE IN EXCESS OF 60 DBA IN OCCUPIED SPACES OR SHALL BE SCHEDULED FOR TIMES WHEN THE BUILDING OR AFFECTED BUILDING SPACES ARE NOT OCCUPIED OR ACOUSTICAL ABATEMENT MEASURES SHALL BE TAKEN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF CHEMICAL FUMES, GASES, AND OTHER CONTAMINATES PRODUCED BY WELDING, GASOLINE OR DIESEL ENGINES, ROOFING, PAVING, PAINTING, ETC. TO ENSURE THEY DO NOT ENTER OCCUPIED PORTIONS OF THE BUILDING OR AIR INTAKES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ACTIVITIES AND MATERIALS WHICH RESULT IN "OFF-GASSING" OF VOLATILE ORGANIC COMPOUNDS SUCH AS GLUES, PAINTS, FURNITURE, CARPETING, WALL COVERING, DRAPERY, ETC. ARE SCHEDULED, CURED OR VENTILATED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS BEFORE A SPACE CAN BE OCCUPIED.

LARGE AND SMALL ASBESTOS ABATEMENT PROJECTS AS DEFINED BY 12NYCRR56 SHALL NOT BE PERFORMED WHILE THE BUILDING IS OCCUPIED. NOTE, IT IS OUR INTERPRETATION THAT THE TERM "BUILDING", AS REFERENCED IN THIS SECTION, MEANS A WING OR MAJOR SECTION OF A BUILDING THAT CAN BE COMPLETELY ISOLATED FROM THE REST OF THE BUILDING WITH SEALED NON COMBUSTIBLE CONSTRUCTION. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION AND VENTILATION SYSTEMS MUST BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER. EXTERIOR WORK SUCH AS ROOFING, FLASHING, SIDING, OR SOFFIT WORK MAY BE PERFORMED ON OCCUPIED BUILDINGS PROVIDED PROPER VARIANCES ARE IN PLACE AS REQUIRED, AND COMPLETE ISOLATION OF VENTILATION SYSTEMS AND AT WINDOWS IS PROVIDED. CARE MUST BE TAKEN TO SCHEDULE WORK SO THAT CLASSES ARE NOT DISRUPTED BY NOISE OR VISUAL DISTRACTION.

SURFACES THAT WILL BE DISTURBED BY RECONSTRUCTION MUST HAVE A DETERMINATION MADE AS TO THE PRESENCE OF LEAD. PROJECTS WHICH DISTURB SURFACES THAT CONTAIN LEAD SHALL HAVE IN THE SPECIFICATIONS A PLAN PREPARED BY A CERTIFIED LEAD RISK ASSESSOR OR SUPERVISOR WHICH DETAILS PROVISIONS FOR OCCUPANT PROTECTION, WORKSITE PREPARATION, WORK METHODS, CLEANING AND CLEARANCE TESTING WHICH ARE IN GENERAL ACCORDANCE WITH THE HUD GUIDELINES.

SHEET IDENTIFICATION LEGEND

		DISCIPLINE DESIGNATORS G GENERAL CC CODE COMPLIANCE PH PHASING HM HAZARDOUS MATERIAL ABATEMENT C CIVIL L LANDSCAPE S STRUCTURAL A ARCHITECTURAL F FIRE PROTECTION P PLUMBING M MECHANICAL E ELECTRICAL	SHEET TYPE DESIGNATOR G GENERAL 1 DEMOLITION 2 PLANS 3 EXTERIOR ELEVATIONS & BUILDING SECTIONS 4 ENLARGED PLANS & INTERIOR ELEVATIONS 5 FINISHES 6 REFLECTED CEILING PLANS 7 VERTICAL CIRCULATION 8 WALL SECTIONS & ENLARGED DETAILS 9 TYPICAL DETAILS
--	--	---	---

SYMBOLS LEGEND

ROOM NAME 101 150 SF	ROOM TAG (NAME, NUMBER, & AREA)		DENOTES EXISTING AREA OF THE BUILDING TO REMAIN (NO MAJOR GENERAL CONSTRUCTION).
	WALL TYPE & FIRE RATING TAG		DENOTES EXISTING WALL TO REMAIN
	WINDOW TYPE TAG		DENOTES EXISTING WALL TO BE DEMOLISHED
	DOOR DESIGNATION TAG		DENOTES 1hr OR NON-RATED WALL
	COLUMN LINE		DENOTES 2hr RATED WALL
	EXTERIOR ELEVATION		DENOTES WALL TYPE & FIRE RATING
	INTERIOR ELEVATION		DENOTES EXISTING DOOR TO REMAIN (U.N.O)
	INTERIOR ELEVATION		DENOTES EXISTING DOOR AND OR FRAME TO BE DEMOLISHED. SEE DOOR SCHEDULE.
	WALL OR BUILDING SECTION		DENOTES NEW DOOR AND OR FRAME. SEE DOOR SCHEDULE

MATERIALS LEGEND

	CMU WALL		CAULK w/ BACKER ROD
	CMU WALL		WATERPROOFING MEMBRANE, OR ROOFING MEMBRANE OR FLASHING
	GWB WALL		RIGID INSULATION
	MASONRY VENEER		BATT INSULATION
	GWB - "TYPE X" UNO (SEE SPECS)		POROUS FILL
	EXPOSED TO WEATHER OR MOISTURE)		SUITABLE COMPACTED BACKFILL (SEE SPEC)
	WOOD BLOCKING (PRESSURE TREATED ALL AREAS EXPOSED TO WEATHER OR MOISTURE)		UNDISTURBED SOIL
	GLASS SURFACE		CAST-IN-PLACE CONCRETE OR CAST STONE

PROJECT INFORMATION

OWNER	CHESTER UNION FREE SCHOOL DISTRICT 64 HAMBLETONIAN AVENUE CHESTER, NEW YORK 10918
TELEPHONE:	845.572.5004
PROJECT LOCATION	CHESTER ACADEMY 64 HAMBLETONIAN AVENUE CHESTER, NEW YORK 10918
TYPE OF PROJECT	ALTERATIONS (LEVEL 2 - 2020 EBCNYS)
NYSED NUMBER	44-02-01-02-0-009-006
PROJECT COMMENCEMENT	JANUARY 03 2023
PROJECT COMPLETION	AUGUST 01 2023
APPLICABLE CODES	2020 NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE 2020 EXISTING BUILDING CODE OF NEW YORK STATE 1998 MANUAL OF PLANNING STANDARDS, THE UNIVERSITY OF THE STATE OF NEW YORK, THE STATE EDUCATION DEPARTMENT ANSI A117/1-09 ACCESSIBLE & USABLE BUILDINGS AND FACILITIES
SEE DRAWINGS ON CODE COMPLIANCE PLANS FOR WORK AREAS & ADDITIONAL INFORMATION	

CHESTER ACADEMY

STEM LAB

ALTERATIONS

CHESTER UNION FREE SCHOOL DISTRICT

64 HAMBLETONIAN AVENUE
CHESTER, NY 10918



KG+D . ARCHITECTS PC

285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.

44-02-01-02-0-009-006

CONSTRUCTION DOCUMENTS

BUILDING KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAUFER, GARMENT & DAVIDSON ARCHITECTS, PC (KG+D), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KG+D.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE V, SECTION 2-160 (b) OF NEW YORK STATE LAW.

COPYRIGHT KAUFER, GARMENT + DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

3	11/02/2022	ISSUE FOR BID
1	05/25/2022	NYSED - CONST. DOCS.
No.	Date	Issue
Sheet Title		

GENERAL INFORMATION

Job No.	2021-1080	Date	11/02/2022
Scale	AS NOTED	Drawn / Checked	KG+D

Sheet Number

G001

CHAPTERS 3-6: OCCUPANCY, AREA, AND CONSTRUCTION TYPES

USE + OCCUPANCY CLASSIFICATION: E (EDUCATIONAL)

CONSTRUCTION CLASSIFICATION: IB - PARTIALLY SPRINKLERED

FIRE RESISTANCE RATING REQUIREMENTS

WALL (BEARING):	2 HRS
WALL (NON-BEARING):	0 HRS
FLOORS:	2 HRS
ROOF:	1 HRS

BUILDING HEIGHT & AREA:

PRE-EXISTING NON-CONFORMING (NS = NONSPRINKLERED)

HEIGHT	PERMITTED(NS)	ACTUAL
STORIES	160'-0"	54'-0" +/-
FLOOR AREA	5	3
	UNLIMITED	132,600 SF

TOTAL PROJECT SCOPE AREA: 5,170 SF (RENOVATION)

CHAPTER 7: FIRE & SMOKE PROTECTION

ASSEMBLY	FIRE-RESISTANCE RATING	LOCATION
FIRE PARTITION	1 HOUR	CORRIDORS STAIR ENCLOSURES SMOKE STOPS

*** SEE DRAWING CC002 FOR LOCATION OF FIRE-RESISTANCE RATED CONSTRUCTION ***

CHAPTER 10: MEANS OF EGRESS

ITEM	DRAWING SHOW
ROOM USE DESIGNATION	CC002
ROOM SQUARE FOOTAGE	CC002
ROOM OCCUPANCY LOADS	CC002
TRAVEL DISTANCES	CC002
ASSEMBLY SPACE CAPACITY CALCULATIONS(NY BC)	CC002
DOOR CAPACITY CALCULATIONS	CC002

NYS BC TABLE 1017.2
200'-0" MAX EXIT ACCESS TRAVEL DISTANCE (UNSPRINKLERED)

NYS BC TABLE 1006.2.1
75'-0" MAX COMMON PATH OF TRAVEL (UNSPRINKLERED)

NYS BS SECTION 1005.3
EXIT STAIR WIDTHS 0.3" / OCCUPANT (NS)
OTHER EGRESS COMPONENTS 0.2" / OCCUPANT (NS)

NYSED MANUAL OF PLANNING STANDARDS
120'-0" TO STAIR ENCLOSURE FROM CORRIDOR
50'-0" TO EXIT FROM ALL ROOMS 1500 SF AND UNDER
75'-0" TO SEPARATE SMOKE ZONE IN OPEN PLANNED AREAS
NO DEADEND CORRIDORS (<1.5 x WIDTH, MAX 20'-0")

CHAPTER 11: ACCESSIBILITY

ITEM	DRAWING SHOWN
INTERIOR ACCESSIBLE ROUTE	CC002
ACCESSIBLE ENTRANCES	CC002
SIGNAGE	A501 & SPECIFICATIONS
DOOR APPROACH CLEARANCES	CC002 & FLOOR PLANS
DOOR HARDWARE	SPECIFICATIONS

PROGRAM NOMENCLATURE

STEM LAB (ENTIRE PROJECT/SCOPE)

LEARNING COMMONS - SECOND FLOOR OF STEM LAB

- LEARNING STUDIO
- LIBRARY
- LIBRARY ASSEMBLY
- LIBRARY BOOK STACKS
- WORKING MEZZANINE
- DESIGN COLLABORATION
- COLLAB ROOM (RM 201B)
- WORK ROOM
- COLLAB ROOM (RM 202B)
- COLLAB ROOM (RM 202)

PRODUCTION STUDIO - THIRD FLOOR OF STEM LAB

- PRODUCTION CLASSROOM
- PRODUCTION LAB

EXISTING SMOKE ZONES

THE RENOVATIONS FOR THIS PROJECT ONLY ALTERS THE SECOND AND THIRD FLOORS OF THE SCHOOL. (THE FLOOR PLANS BELOW ARE EXISTING PLANS TO SHOW SMOKE ZONES NEAR THE AREAS OF WORK)

AREA OF WORK / SCOPE OF PROJECT

SMOKE ZONE 3A

SMOKE ZONE 3B

SMOKE ZONE 3C

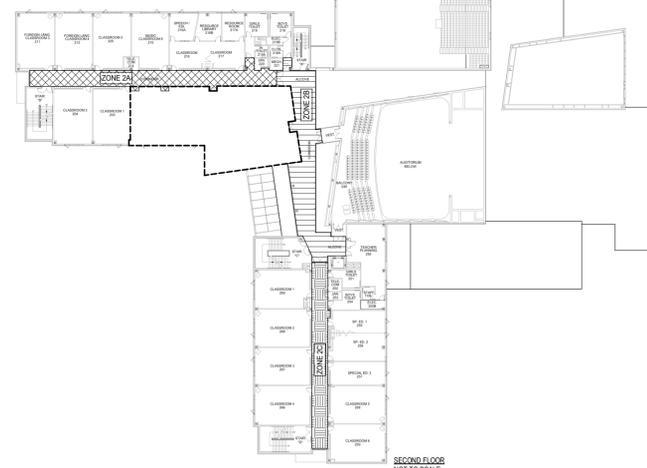


AREA OF WORK / SCOPE OF PROJECT

SMOKE ZONE 2A

SMOKE ZONE 2B

SMOKE ZONE 2C



PROJECT SCOPE, AREA OF WORK, CLASSIFICATION OF WORK, AND APPLICABLE CODES

PROJECT SCOPE:

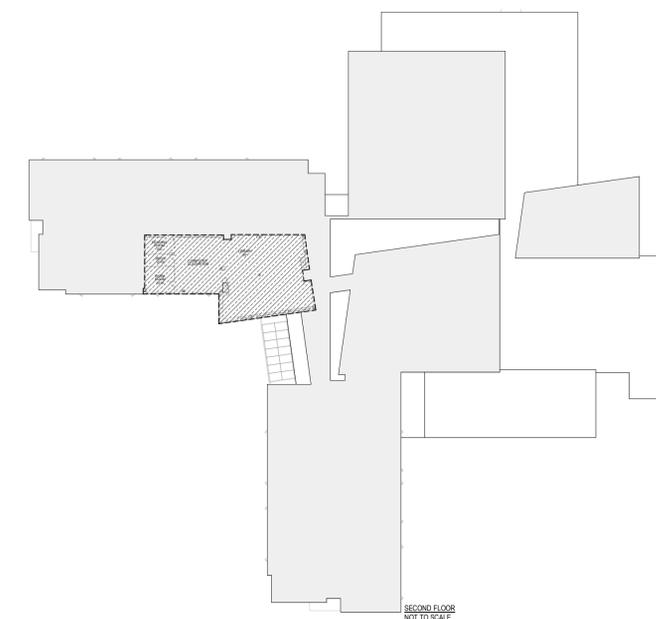
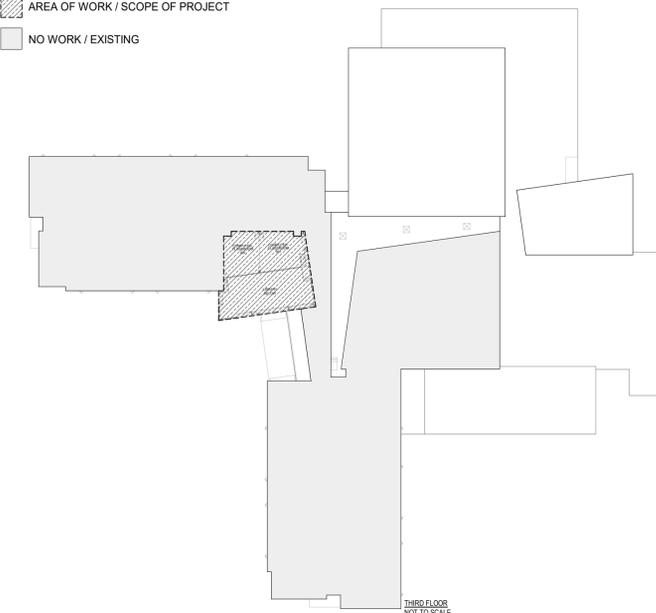
THIS PROJECT INVOLVES ALTERATIONS OF AN EXISTING SCHOOL TO UPDATE THE STEM LAB PROGRAM. THROUGH THE USE OF A LEARNING STAIR, THE STEM LAB HAS A DESIGNATED SPACE FOR THE PRODUCTION STUDIO AND ONE FOR THE LIBRARY PROGRAM.

AREA OF WORK:

THE RENOVATIONS FOR THIS PROJECT ONLY ALTERS THE SECOND AND THIRD FLOORS OF THE SCHOOL. (THE FLOOR PLANS BELOW ARE OVERALL EXISTING PLANS TO SHOW AREAS OF WORK VS NO WORK.)

AREA OF WORK / SCOPE OF PROJECT

NO WORK / EXISTING



CLASSIFICATION OF WORK: ALTERATIONS (LEVEL 2 - 2020 EBCNYS)

APPLICABLE CODES:

- 2020 NEW YORK STATE UNIFORM FIRE PREVENTION & BUILDING CODE
- 2020 EXISTING BUILDING CODE OF NEW YORK STATE
- 1998 MANUAL OF PLANNING STANDARDS, THE UNIVERSITY OF THE STATE OF NEW YORK, THE STATE EDUCATION DEPARTMENT
- ANSI A117.1-09 ACCESSIBLE & USABLE BUILDINGS AND FACILITIES

CHESTER ACADEMY STEM LAB ALTERATIONS
CHESTER UNION FREE SCHOOL DISTRICT

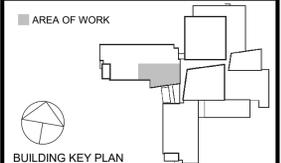
64 HAMBLETONIAN AVENUE
CHESTER, NY 10918

KG+D listen imagine build
ARCHITECTS PC
285 MAIN STREET MOUNT KISCO, NEW YORK, 10549
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.

44-02-01-02-0-009-006

CONSTRUCTION DOCUMENTS



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAUYER, GARMENT & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECTION 1801-B(3) OF NEW YORK STATE LAW.

COPYRIGHT KAUYER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal



3	11/02/2022	ISSUE FOR BID
2	06/16/2022	NYSED - ADDENDUM #1
1	05/25/2022	NYSED - CONST. DOCS.
No.	Date	Issue

Sheet Title

CODE COMPLIANCE INFORMATION

Job No.	Date
2021-1080	11/02/2022
Scale	Drawn / Checked
AS NOTED	KG+D

Sheet Number

CC001

ASSEMBLY SPACE EGRESS CAPACITY CALCULATIONS
PER NYS BS: 1005.3.1, 1005.3.2, 1006.3.2 & NYS ED MPS

PER NYS BC		REQUIRED			PROVIDED			
LOCATION	AREA	OCCUPANT LOAD	EGRESS WIDTH	# OF EXITS	MAXIMUM EGRESS PATHS	EGRESS WIDTH	# OF EXITS	MAXIMUM EGRESS PATHS
LEARNING STUDIO (SEE LEARNING COMMONS OCCUPANCY TABLE FOR MORE DETAIL)	3,981 SF	168 OCC.	33" (OCC x 0.20")	2	200'-0" EXIT ACCESS TRAVEL DISTANCE 75'-0" COMMON PATH OF TRAVEL DISTANCE	102"	2	75'-2" EXIT ACCESS TRAVEL DISTANCE 67'-6" COMMON PATH OF TRAVEL DISTANCE

NOTE: ASSUME WHEN THE LIBRARY ASSEMBLY IS FULLY OCCUPIED, SPACES OUTSIDE THE LEARNING COMMONS ARE NOT FULLY OCCUPIED.

NYS ED PLANNING STANDARDS: ANY POINT IN A CORRIDOR, OTHER THAN THE GROUND FLOOR CORRIDOR, SHALL NOT EXCEED 120 FEET ALONG THE LINE OF TRAVEL TO THE STAIR ENCLOSURE OF AN EXIT STAIRWAY.

****ALL CORRIDOR PATHS OF TRAVEL (TO A STAIR ENCLOSURES) ARE EXISTING CONFORMING CONDITIONS****

OCCUPANCY TABLE - LEARNING COMMONS

LOCATION	ROOM NAME / SPACE	ROOM NUMBER	AREA	FUNCTION OF SPACE	CODE FACTOR	OCCUPANT LOAD
LEARNING STUDIO	LIBRARY ASSEMBLY	201-a	1,636 SF	ASSEMBLY - unconcentrated	15	110 OCC
	LIBRARY BOOK STACKS	201-b	581 SF	LIBRARY - stack area	100	6 OCC
	WORKING MEZZANINE	201-m	120 SF	ASSEMBLY - unconcentrated	15	8 OCC
	DESIGN COLLABORATION	201A	806 SF	LIBRARY - reading room	50	17 OCC
	COLLAB	201B	141 SF	EDUCATIONAL - classroom	20	8 OCC
	WORK ROOM	202A	570 SF	LIBRARY - reading room	50	12 OCC
	COLLAB	202B	127 SF	EDUCATIONAL - classroom	20	7 OCC
COLLAB (202)	COLLAB	202	123 SF	EDUCATIONAL - classroom	20	7 OCC

DOOR CAPACITY CALCULATIONS (GENERAL)
AT 36" WIDE SINGLE DOORS
(34" CLEAR EGRESS WIDTH SHALL BE PROVIDED)
34" / 0.20" PER OCCUPANT = 170 OCCUPANT CAPACITY

AT 72" WIDE DOUBLE DOORS
(68" CLEAR EGRESS WIDTH SHALL BE PROVIDED)
68" / 0.20" PER OCCUPANT = 340 OCCUPANT CAPACITY

DOOR CAPACITY CALCULATIONS (GENERAL)
AT 44" WIDE SINGLE DOORS
(42" CLEAR EGRESS WIDTH SHALL BE PROVIDED)
42" / 0.20" PER OCCUPANT = 210 OCCUPANT CAPACITY

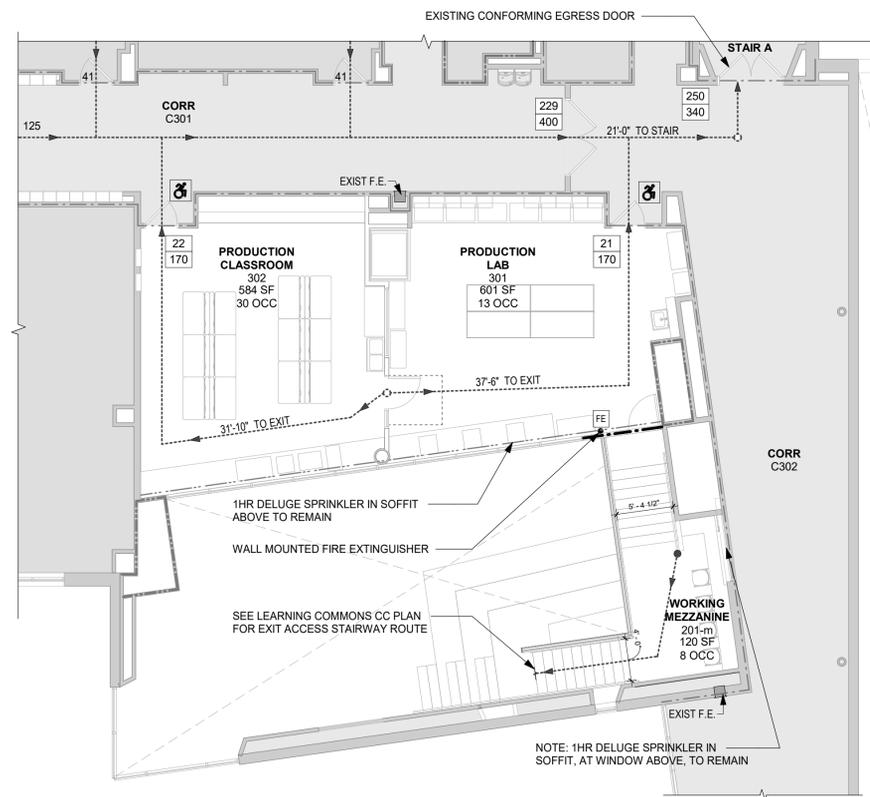
AT 84" WIDE DOUBLE DOORS
(80" CLEAR EGRESS WIDTH SHALL BE PROVIDED)
80" / 0.20" PER OCCUPANT = 400 OCCUPANT CAPACITY

OCCUPANCY TABLE - PRODUCTION STUDIO

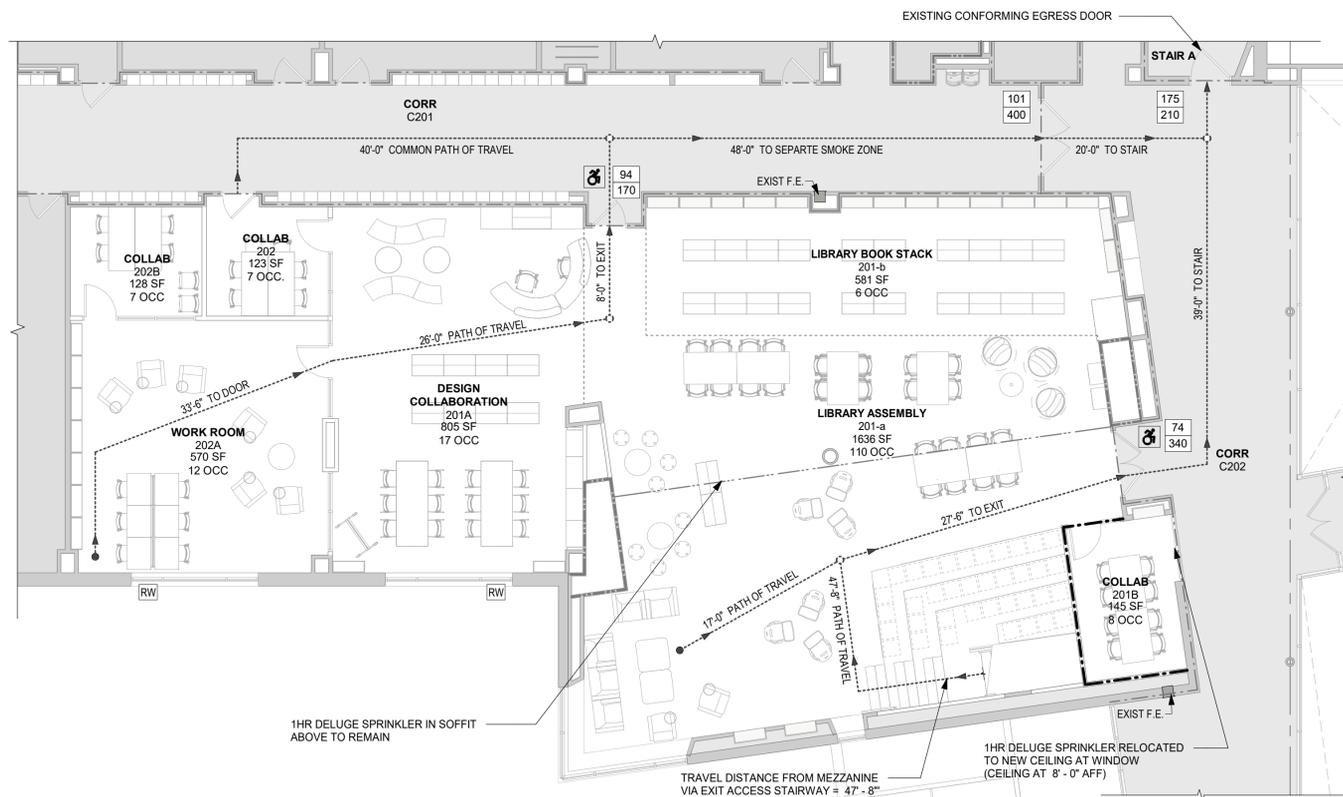
LOCATION	ROOM NAME / SPACE	ROOM NUMBER	AREA	FUNCTION OF SPACE	CODE FACTOR	OCCUPANT LOAD
PRODUCTION STUDIO			1,185 SF			43 OCC
	PRODUCTION LAB	301	601 SF	EDUCATIONAL - shop	50	13
	PRODUCTION CLASSROOM	302	584 SF	EDUCATIONAL - classroom	20	30

**CODE COMPLIANCE
GENERAL NOTES & LEGEND**

- AREA OF NO WORK (EXISTING)
- EXISTING RESCUE WINDOW (60"H x 30"W)
- Room name
101
150 SF
20 OCC.
- ROOM OCCUPANCY TAG
- EXIT/EGRESS CAPACITY
X = OCCUPANCY EGRESS LOAD
Y = MAXIMUM CAPACITY
- MOST REMOTE POINT
- COMMON PATH OF TRAVEL
- DIRECTION OF TRAVEL
- ADA ACCESSIBLE EXIT
- PARTITION RATINGS
EXISTING 1HR DELUGE SPRINKLER
EXISTING 1HR PARTITION
EXISTING 2HR PARTITION
NEW 1HR PARTITION
- AREA OF WORK



2 PRODUCTION STUDIO (3RD FL) - CC PLAN
1/8" = 1'-0"



1 LEARNING COMMONS (2ND FL) - CC PLAN
1/8" = 1'-0"



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAUFER, GARMENT & DAVIDSON ARCHITECTS, PC (KG+D), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KG+D.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECTION 1801-B(3) OF NEW YORK STATE LAW.

COPYRIGHT KAUFER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

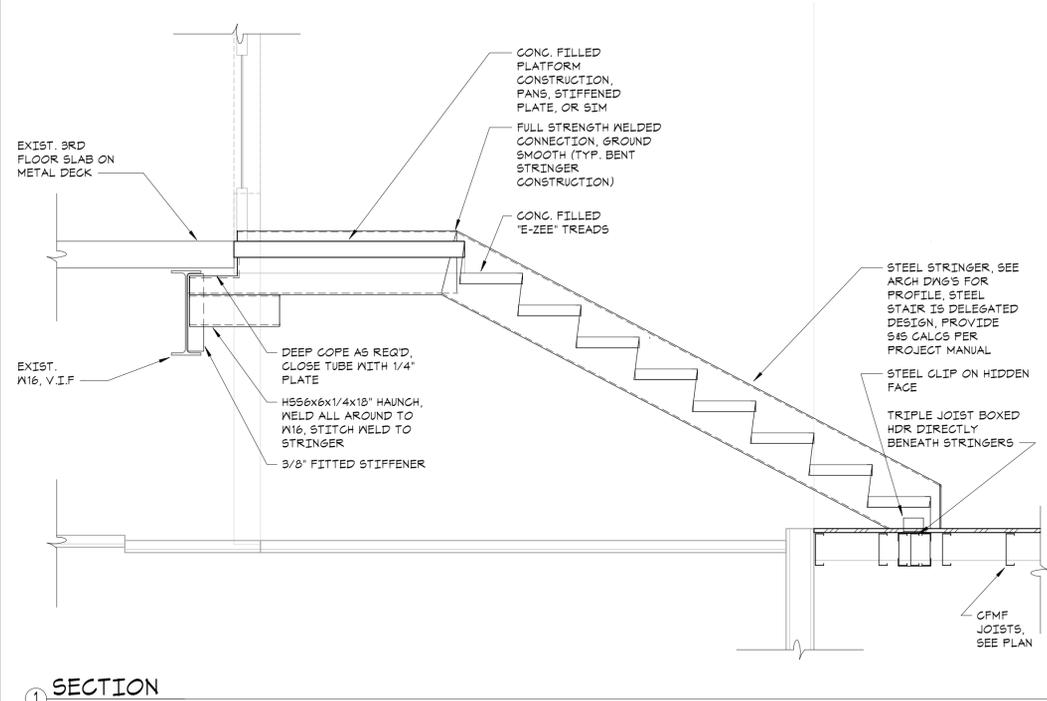
Professional Seal

3 11/02/2022 ISSUE FOR BID
1 05/25/2022 NYS ED - CONST. DOCS.
No. Date Issue

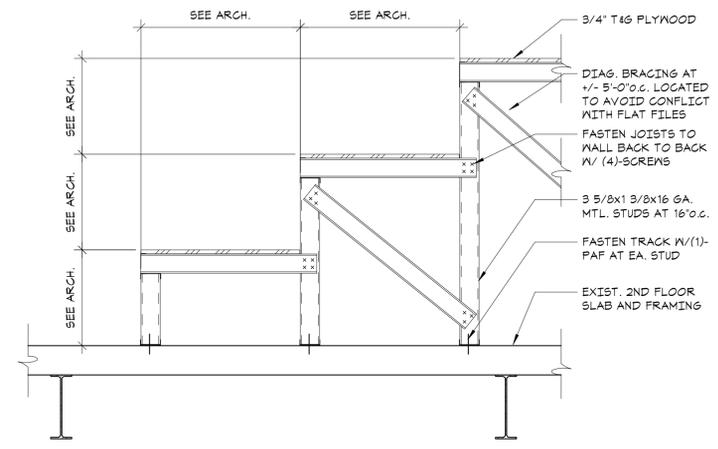
**CODE COMPLIANCE
PLANS & INFO**

Job No. 2021-1080 Date 11/02/2022
Scale AS NOTED Drawn / Checked KG+D

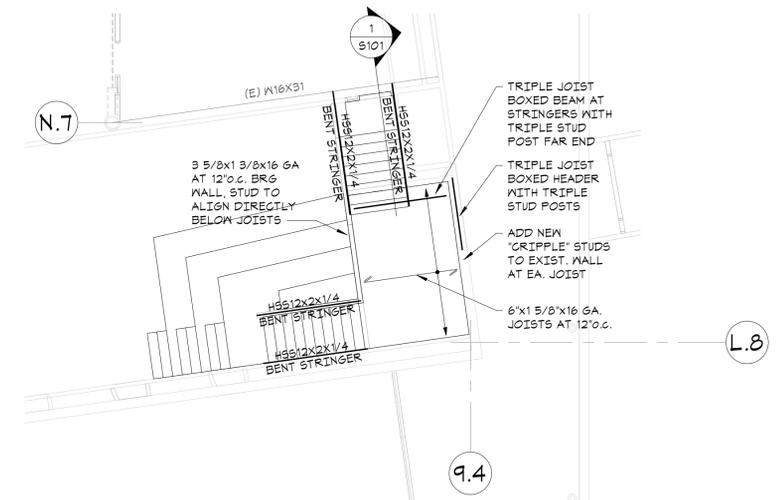
Sheet Number
CC002



SECTION 1
3/4" = 1'-0"



SECTION 2
3/4" = 1'-0"



3RD FLOOR FRAMING PLAN
1/8" = 1'-0"

General Notes:

- The purpose of these drawings is to show the structural work associated with proposed learning stair commons area at Chester Academy, 64 Hambletonian Ave., Chester, NY.
- The work shown on these drawings has been designed in accordance with the structural requirements of the 2020 edition of the Building Code of New York State which is part of the New York State Uniform Fire Prevention and Building Code and is based upon the 2018 International Building Code.
- The structural components have been designed for the following loads:
 - Uniform live load:
 - Assembly areas: 100 psf
 - Platforms (assembly): 100 psf
 - Stairs and exits: 100 psf
 - Earthquake design data:
 - Risk category: III
 - Seismic importance factor, I_e : 1.5
 - Seismic design category: B
 - Earthquake design for existing buildings: Not required since the proposed alterations do not increase the demand-capacity ratio of any seismic load carrying structural element by more than 10 percent cumulative since the original construction.
 - Guardrails (load applied in any direction):
 - Top rail concentrated: 200 lbs
 - or
 - Top rail uniform load: 50 psf
 - Intermediate rail concentrated load: 50 lbs
- This structure has been designed to be self-supporting and stable after the work shown on these drawings has been completed. The stability of the structure prior to completion is solely the responsibility of the contractor. This responsibility extends to all related aspects of the construction activity including, but not limited to, erection methods, erection sequence, temporary bracing, forms, shoring, use of equipment, and similar construction procedures. Review of the construction by the engineer is for conformance with design aspects only, not to review the contractor's construction procedures. Lack of comment on the part of the engineer with regard to construction procedures is not to be interpreted as approval of those procedures.
- Jobsite safety and construction procedures are solely the responsibility of the contractor. Review of the construction by the engineer is for conformance with design aspects only, not to review the contractor's provisions for job site safety. Lack of comment by the engineer is not to be interpreted as approval of those aspects of work.
- PDF digital files of all erection and detail shop drawings for steel stair and cold-formed metal framing, indicating the fabricator, manufacturer, finish, layout, and all accessories, must be submitted to and be checked by the contractor and subcontractor and bear the checker's initials before submission to the architect for review prior to fabrication. Fabrication and/or delivery to the site of components prior to receiving approved shop drawings shall be at the fabricator's own risk.
- Deferred submittals: Deferred submittals are those portions of the design that are not submitted at the time of application and are to be submitted to the building official within a specified period. The following deferred submittals shall be submitted to the engineer for approval.
 - Cold-formed metal framing
 - Steel stair

After approval by the engineer, the deferred submittal documents shall be submitted to the building official for approval. Deferred submittal items shall not be installed until the deferred submittal documents have been approved by the building official.

- Testing and inspection is described in the project "Statement of Special Inspections". The contractor shall review the "Statement of Special Inspections" and coordinate the scheduling of inspections with the special inspector. Uninspected work that required inspections may be rejected solely on that basis.
- If faulty construction procedures, or material, result in defective work that requires additional engineering time to devise corrective measures, professional fees may be charged to the contractor at the standard hourly rate of additional services. Such fees may be withheld from the general contractor's payment.
- The contractor shall verify all dimensions, elevations and angles with architectural drawings and existing conditions before proceeding with any work.
- The contractor and subcontractors shall obtain the latest copies of approved plans and surveys and they shall familiarize themselves thoroughly with these plans before commencing any work.
- These drawings are supplemented by a detailed technical specification. The notes shown under certain categories of work are intended to summarize basic requirements.
- Work shown as "Typical Details" apply throughout the project as required. Work shown as "Sections" shall be considered to apply for the same and similar conditions in the building.
- Some details of the work are shown on the architectural drawings. A careful review and study of these details are necessary before the full scope of the work can be comprehended.
- Do not scale drawings.

Codes and Standards References:

- Cold formed metal framing: Design, fabrication and erection of cold-formed metal framing shall conform to the American Iron and Steel Institute's "Specification for the Design of Cold-formed Steel Structural Members", 2016.

Connections to Existing Masonry or Hardened Concrete:

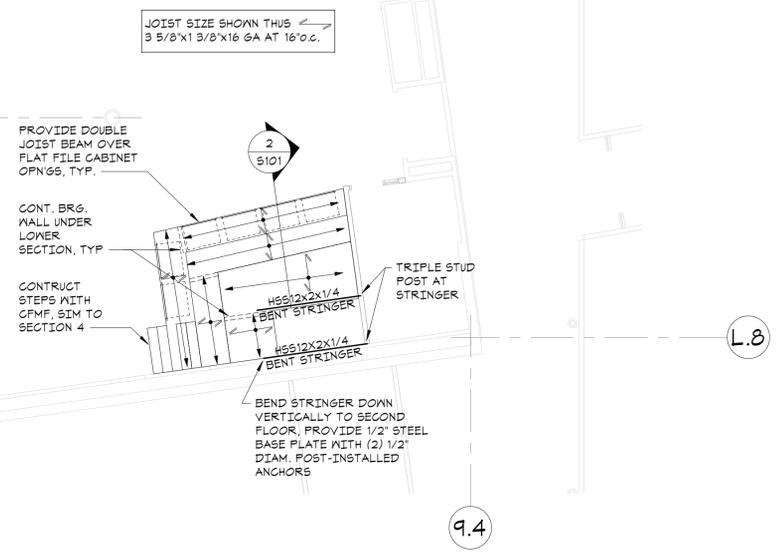
- All proprietary anchoring systems (expansion, adhesive anchoring systems, etc.) to be installed into hardened concrete and masonry elements are to be installed in strict accordance with the manufacturer's instructions for drilling and preparation of holes, for spacing and edge distance requirements, and for the utilization of supplemental components for the anchoring systems such as screen tubes, doweling adhesives, etc.
- Connections to hardened concrete shall be made with anchors conforming to ACI 318, as specified in the code reference section of these general notes, for cracked concrete, and Chapter 19 of the state building code indicated at the beginning of these general notes.
 - Mechanical anchors shall be either
 - Hilti "Kwik HUS-EZ" screw anchor (use only in permanently dry, interior non-corrosive environments)
 - Simpson "Titen HD" screw ancho, zinc-plated or galvanized
 - Dewalt "Screw-Bolt" screw anchor, zinc-plated or galvanized

Cold-Formed Metal Framing Notes:

- Design, fabrication and erection of cold-formed metal framing shall conform to the American Iron and Steel Institute's "Specification for the Design of Cold-formed Steel Structural Members", current edition as referenced by the applicable building code, and the specifications of the manufacturer of the cold-formed metal framing.
- All studs and/or joists and accessories shall be of the type, size, steel thickness and spacing shown on the drawings. Studs, tracks, bracing and bridging shall be manufactured per ASTM C 955.
- All studs, joists and accessories shall be formed from steel that conforms to the requirements of ASTM A 1003 with a yield as follows:
 - 16 ga (0.054") or heavier 50 ksi
 - 18 ga (0.043") or lighter 33 ksi
- All studs, joists and accessories shall be galvanized with a minimum G-60 coating.
- Connections shall be accomplished with self-driving screws or welding so that the connection meets or exceeds the design loads required at that connection.
- All connections shall be made using a minimum of three (3) No. 10-16 screws, unless otherwise shown on drawings.
- Screw spacing and edge distance shall not be less than 1".
- Minimum connection angle thickness shall be 16 gage, but no thinner than the material of the members that are being connected.
- Joists shall be located directly over bearing studs or a load distribution member shall be provided to transfer loads.
- Avoid holes at ends of members. However, should holes occur, provide additional reinforcing at the ends of the member where holes occur, unless otherwise noted.
- Provide lateral blocking, bridging, and web stiffeners for vertical and horizontal framing members, and other framing members as required and in accordance with manufacturer's specifications or recommendations, unless indicated otherwise on the drawings.
- Track: 16 gage minimum securely anchored to adjacent structure or member.
- All framing components: cut squarely or at an angle to fit squarely against abutting members. All members: held firmly in position until properly fastened, erect member level, plumb, and true to line and to dimensions and elevations indicated.
- Studs: Seated squarely in the track with the stud web and flanges abutting the track web, and securely attached to the flanges or web of both tracks.
- Splices in studs and other framing components: Not permitted.
- Submittals to the engineer are required for certificates of compliance for framing members (studs, joists, tracks, etc.), screws, and accessories (connection clips, stiffeners, etc.) prior to delivery to the site.
- Shop drawings: Show layout, spacing, sizes, thickness, material specification, and types of cold-formed metal framing. Show fastening and anchorage details, including mechanical fasteners. Show reinforcing channels, opening framing, supplemental framing, strapping, bracing, bridging, splices, accessories, connection details, and attachment to adjoining work.

Wood Structural Panels:

- Wood Structural Panels commonly referred to as sheathing panels shall conform to U.S. Product Standard DOC PS 1 or PS 2, and bear the APA grade-trademark of the American Plywood Association.
- Sheathing panels shall be APA rated sheathing, Exposure 1, with a minimum span index rating of 32/16.
- Sheathing panels on flat surfaces shall be installed with face grain or panel long dimension perpendicular across supports and continuous over two or more spans. Provide 1/8" space between panel edges parallel to face grain or panel long dimension, 1/16" space between panel edges over supporting members.
- Floor sheathing shall be glued to supporting members with construction adhesive such as PL 200, laid in a continuous 1/4 inch wide bead along the member length.



2ND FLOOR FRAMING PLAN
1/8" = 1'-0"

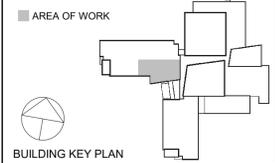
- TOP OF EXISTING SECOND FLOOR SLAB ELEVATION: +/-14'-0" ABOVE DATUM.
- SEE ARCHITECTURAL DRAWING FOR ALL LEARNING STAIR ELEVATIONS AND DIMENSIONS.
- SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.

CHESTER ACADEMY STEM LAB ALTERATIONS
CHESTER UNION FREE SCHOOL DISTRICT
64 HAMBLETONIAN AVENUE
CHESTER, NY 10918

KG+D listen imagine build
ARCHITECTS PC
285 MAIN STREET MOUNT KISCO, NEW YORK, 10549
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.
44-02-01-02-009-006

CONSTRUCTION DOCUMENTS



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAUYER, GARMENT & DAVIDSON ARCHITECTS, PC (KGAD), AND THESE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECTION 1703-B OF NEW YORK STATE LAW.

COPYRIGHT KAUYER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal
STATE OF NEW YORK
TREVOR B. HILL
LICENSED PROFESSIONAL ENGINEER
094308

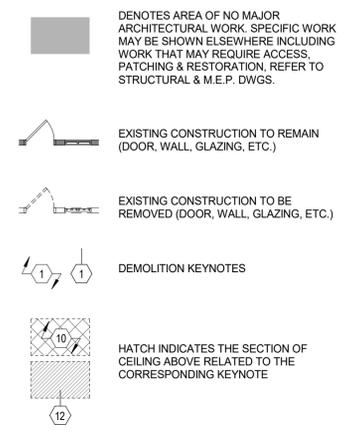
2	11/02/2022	ISSUE FOR BID
1	05-25-22	ISSUED FOR CONSTRUCTION
No.	Date	Issue

Sheet Title
2ND AND 3RD PARTIAL FLOOR FRAMING PLAN

Job No.	22102.00	Date	05/25/2022
Scale	AS NOTED	Drawn / Checked	JM / TBH

Sheet Number
S101

DEMOLITION LEGEND

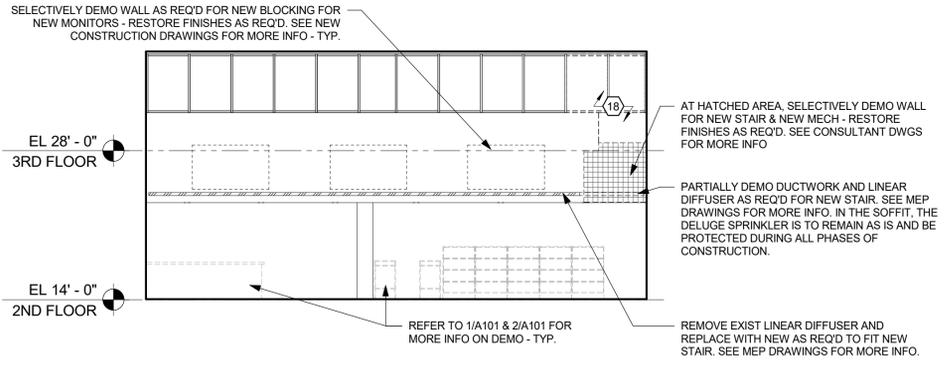


GENERAL DEMOLITION NOTES:

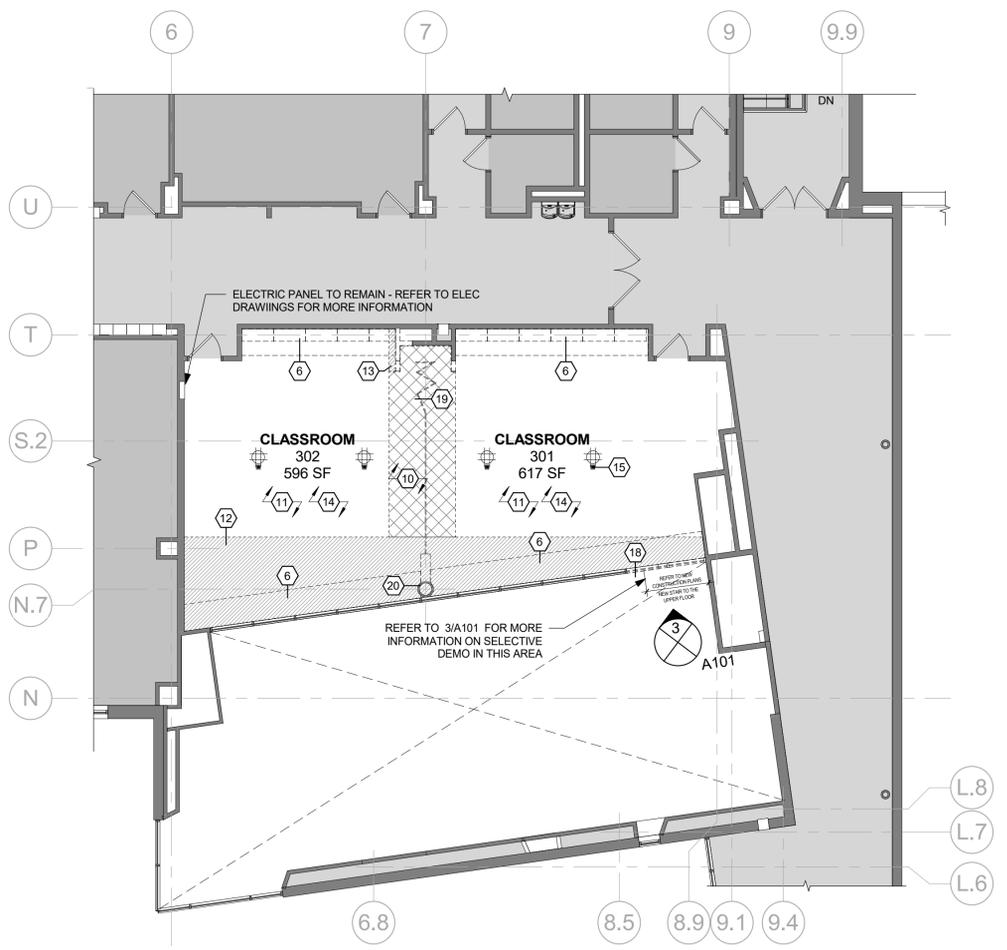
- DEMOLITION IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON DRAWINGS. THE INTENT IS TO INDICATE THE GENERAL SCOPE OF DEMOLITION REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS. PRIOR TO ANY DEMOLITION CONTRACTORS ARE REQUIRED TO VISIT SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND NOTE ANY DISCREPANCIES IN WRITING TO ARCHITECT.
- COORDINATE ALL DEMOLITION w/ M.E.P. REMOVALS. NOTE: ALL WIRING, DEVICES & M.E.P. SYSTEMS NOT BEING REMOVED AS PART OF THE WORK, WHICH RUN THROUGH THE WORK AREA, SHALL BE TESTED, LABELED & PROTECTED FROM DISTURBANCE SO THEY REMAIN OPERATIONAL THROUGHOUT THE PROJECT.
- HAZARDOUS MATERIAL ABATEMENT IS NOT PART OF THE WORK FOR THIS PROJECT. NOTIFY THE ARCHITECT IMMEDIATELY SHOULD SUSPECT MATERIAL BE DISCOVERED.
- AT ANY SPACE BEING RENOVATED CONTRACTOR SHALL REMOVE EQUIPMENT AND MISCELLANEOUS ITEMS SUCH AS PLAQUES, SIGNAGE, MIRRORS, PICTURE FRAMES, DISPLAY BOARDS, TACK BOARDS, INTERCOMS, SPEAKERS, AND THE LIKE, AND TURN OVER TO THE OWNER PRIOR TO DEMOLITION.
- ALL FLOOR AND WALL BASE TO BE REMOVED IN AREAS SHOWN IN CONTRACT.
- ALL LIGHTING TO BE REMOVED IN AREAS SHOWN IN CONTRACT, UNO.
- RETURN ALL EXISTING AV EQUIPMENT (I.E. PROJECTORS, SCREENS, MONITORS, AND SPEAKERS) TO OWNER PRIOR TO DEMOLITION.
- DEMOLITION OF DOOR ASSEMBLIES TYPICALLY INCLUDE THE DEMO OF DOOR PANEL(S), FRAME SIDELITES (IF PRESENT), TRANSOMS (IF PRESENT), DOOR SADDLE, HARDWARE, AND RELATED ACCESSORIES. PATCH WALL, FLOOR, & HEAD. PREP FOR NEW DOOR ASSEMBLY (IF APPLICABLE).
- WHEN DEMOLISHING PORTIONS OF THE WALLS OR ROOFS, CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND SUPPORT LINTELS. REGARDLESS OF WHETHER OPENING SPECIFICALLY CALLS OUT FOR A NEW LINTEL OR NOT.
- BEFORE CUTTING AND OPENING/HOLE/TRENCH SPECIFICALLY FOR OTHER TRADE, CONTRACTOR SHALL REVIEW & VERIFY EXACT SIZE & LAYOUT WITH THAT TRADE CONTRACTOR.
- WHEN DEMOLISHING FLOORS CONTRACTORS SHALL REMOVE FINISH FLOORING & SCRAPE SLAB/SUB-FLOORING CLEAN. SUB-FLOOR SHALL BE LEVELED PRIOR TO INSTALLATION OF NEW SCHEDULED FINISH FLOOR. ANY DAMAGE TO ADJ. FLOORS SHALL BE PATCHED.
- AFTER DEMOLITION OPERATIONS, WHEN FINISH PATCHING IF SPECIFIC FINISH/MATERIAL IS NOT CALLED OUT, CONTRACTOR SHALL MATCH EXISTING ADJACENT MATERIALS.
- AFTER DEMOLITION, WHERE SPECIFICALLY CALLED OUT OR NOT, CONTRACTOR SHALL REPAIR ALL SCARS TO EXISTING ADJACENT MATERIALS AND RESTORE TO PRIOR CONDITION.
- OWNER HAS RIGHT OF FIRST REFUSAL OF ANY MATERIAL.

DEMOLITION KEYNOTES

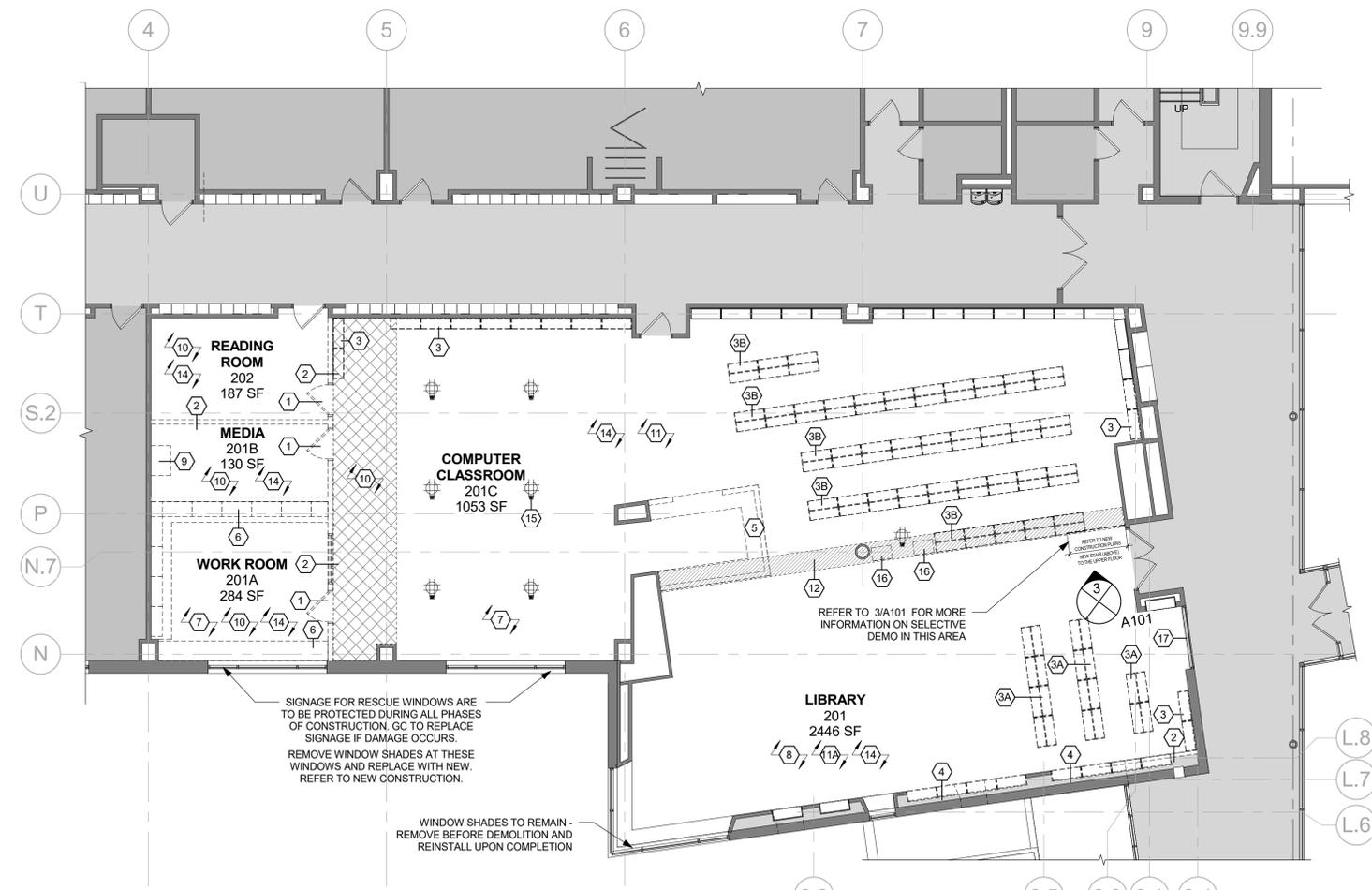
1	REMOVE & DISPOSE EXIST DOOR, FRAME AND ALL ASSOCIATED HARDWARE - COORD. W/ NEW CONSTRUCTION
2	REMOVE & DISPOSE EXIST PARTITIONS (AND WINDOW WHEN APPLICABLE) - PATCH & MATCH EXIST SURFACES - PREP FOR INSTALLATION OF NEW WALLS & FINISHES - TYP
3	EXISTING TALL BOOK STACKS - NINE BOOK STACKS ARE TO BE STORED AND REINSTALLED IN DIFFERENT LOCATIONS. SEE NEW CONSTRUCTION DRAWINGS FOR LOCATIONS - COORDINATE REMOVAL AND/OR DISPOSAL OF THE REMAINING BOOK STACKS WITH DISTRICT FACILITIES DIRECTOR
3A	EXISTING 5FT BOOK STACKS - TEN 5FT BOOK STACKS ARE TO BE STORED AND REINSTALLED IN DIFFERENT LOCATIONS. SEE NEW CONSTRUCTION DRAWINGS FOR LOCATIONS
3B	EXISTING 5FT BOOK STACK TO BE REMOVED - COORDINATE REMOVAL AND/OR DISPOSAL WITH DISTRICT FACILITIES DIRECTOR - TYP
4	REMOVE RECESSED BOOK STACKS - COORD. INFILL W/ NEW CONSTRUCTION
5	REMOVE & DISPOSE EXISTING RECEPTION DESK IN ITS ENTIRETY
6	REMOVE EXISTING COUNTER, CASEWORK AND ALL ASSOCIATED HARDWARE & ACCESSORIES AS REQUIRED
7	COORDINATE WITH DISTRICT ON REMOVAL AND STORAGE FOR ALL PRODUCTION EQUIPMENT. THIS EQUIPMENT MUST BE PROTECTED DURING ALL PHASES OF CONSTRUCTION. THE EQUIPMENT IS TO BE REINSTALLED IN A NEW LOCATION AS PER THE DRAWINGS ON A201 AND A502
8	COORDINATE REMOVAL OF FURNITURE W/ DISTRICT - LOOSE FURNITURE TO BE REMOVED BY OWNER
9	REMOVE & DISPOSE DATA RACK AND ALL ASSOCIATED COMPONENTS - SEE ELECTRICAL DRAWINGS FOR MORE INFO
10	IN THE REQ'D AREA, REMOVE CEILING SYSTEM & LIGHT FIXTURES INCLUSIVE OF ALL RELATED HANGERS, PERIMETER TRIM, ETC. - DISPOSE OF ALL ITEMS EXCEPT FOR ACOUSTIC CEILING TILES. STORE AND PROTECT TILES DURING ALL PHASES OF CONSTRUCTION - REUSE/INFILL ACT TILES IN EXIST CEILINGS AS NEEDED FOR NEW WORK - PREP FOR NEW CONSTRUCTION AND INSTALLATION OF NEW CEILING & LIGHTING SYSTEMS - SEE ARCHITECTURAL RCPs (A601) AND MEP DRAWINGS FOR FURTHER INFO
11	IN THE REQ'D AREA; REMOVE, STORE AND REINSTALL CEILING TILES UPON COMPLETION OF MEP WORK - PREP FOR INSTALLATION OF NEW LIGHTING IN REQ'D ROOMS - SEE ARCHITECTURAL RCPs (A601) AND MEP DRAWINGS FOR FURTHER INFO
11A	IN THE DOUBLE HEIGHTED SPACE, REMOVE & DISPOSE OF EXISTING LIGHTING FIXTURES - REMOVE ACOUSTIC CEILING TILES IN PREP FOR INSTALLATION OF NEW LIGHTING - SEE ELECTRICAL DRAWINGS FOR FURTHER INFO
12	REMOVE & DISPOSE EXIST LIGHT FIXTURES IN THE GWB SOFFIT ABOVE - PREP FOR INSTALLATION OF NEW LIGHTING - DELUGE SPRINKLERS IN SOFFIT ARE TO REMAIN AS IS AND BE PROTECTED DURING ALL PHASES OF CONSTRUCTION - PATCH & MATCH FINISHES WITH ADJACENT FINISHES - SEE MEP DRAWINGS FOR FURTHER INFO
13	REMOVE PART OF EXIST GWB SOFFIT SYSTEM ABOVE - PROTECT THE EXIST. & ADJACENT SURFACES FROM DAMAGE DURING DEMO & NEW CONSTRUCTION - PREP FOR INSTALLATION OF NEW GWB CEILING - PATCH & MATCH TO ADJACENT FINISHED SURFACES
14	REMOVE & DISPOSE EXIST FLOOR FINISH - PREP FLOOR FOR NEW FLOOR FINISH - COORD. W/ NEW CONSTRUCTION
15	REMOVE & REPLACE ALL EXISTING FLOOR OUTLETS - SEE ELECTRICAL DRAWINGS FOR MORE INFO
16	REMOVE, STORE, AND REINSTALL COMPUTER STATION AND ALL RELATED EQUIPMENT IN A NEW LOCATION UPON COMPLETION OF WORK
17	RELOCATE EXISTING DELUGE SPRINKLER HEAD IN NEW 8FT CEILING UNDER MEZZANINE - SEE MEP DRAWINGS FOR MORE INFO - ALL OTHER DELUGE SPRINKLERS ARE TO REMAIN AS IS-TYP
18	REMOVE 2 PANELS OF HOLLOW METAL WINDOW ASSEMBLY AND PARTITION WALL BELOW - PROTECT THE EXIST. & ADJACENT SURFACES FROM DAMAGE DURING DEMO AND NEW CONSTRUCTION - SEE ARCHITECTURAL DRAWINGS FOR MORE INFO AND NEW CONSTRUCTION INSTALLATION
19	REMOVE OPERABLE PARTITION WALL AND ALL ASSOCIATED COMPONENTS - SEE CONSULTANT DRAWINGS FOR ANY ADDITIONAL INFO
20	UPON REMOVAL OF ADJACENT WALL AND PARTITION WALL, PREP COLUMN WRAP FOR NEW WORK - PATCH & MATCH FINISHES WITH ADJACENT FINISHES



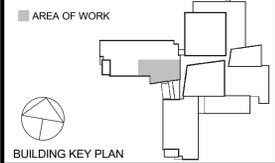
3 DEMO ELEVATION @ DOUBLE-HEIGHT SPACE
1/8" = 1'-0"



2 3RD FLOOR - DEMO PLAN
1/8" = 1'-0"



1 2ND FLOOR - DEMO PLAN
1/8" = 1'-0"



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAUYER, GARMENT & DAVIDSON ARCHITECTS, PC (KGD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE V, SECTION 2-160.1(b) OF NEW YORK STATE LAW. COPYRIGHT KAUYER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.



3	11/02/2022	ISSUE FOR BID
1	05/25/2022	NYSED - CONST. DOCS. Issue
No.	Date	Issue

**DEMOLITION
PLANS**

Job No.	2021-1080	Date	11/02/2022
Scale	AS NOTED	Drawn / Checked	KG+D

Sheet Number
A101

FLOOR PLAN GENERAL NOTES

- WHERE FURRED PARTITIONS EXCEED MAXIMUM HEIGHT, BRACE TO ADJACENT STRUCTURE.
- ALL INTERIOR PARTITION, PENETRATIONS, OTHER OPENINGS IN THE BUILDING SHELL SHALL BE SEALED, GASKETED, OR WEATHER STRIPPED.
- PROVIDE METAL STUD ANCHOR BRACKERS AT LOCATIONS INCLUDING, BUT NOT LIMITED TO, SHELVING, OVERHEAD CABINETS, WALL MOUNTED AV EQUIPMENT, ETC.
- ALL PARTITIONS ARE DIMENSIONED FROM FACE OF FINISH UON. ALL DIMENSIONS MARKED "CLR" OR "CLR" SHALL BE MAINTAINED AND SHALL ALLOW FOR THICKNESS OF ALL WALL FINISHES. DIMENSIONS SHALL NOT VARY MORE THAN +/- 1/8" WITHOUT WRITTEN CONSENT FROM THE ARCHITECT.
- EXISTING STUD WALLS TO REMAIN TO BE FLOATED AS REQUIRED TO PROVIDE SMOOTH SUBSTRATE. PREPARE FOR INSTALLATION OF NEW FINISHES.
- PROVIDE ADJACENT PARTITION TYPE ABOVE ALL STOREFRONT SYSTEMS.
- LOCATE DOORS 4" FROM FACE OF ADJACENT WALL TO EDGE OF DOOR DRAPE, UON. (SEE DETAILS ON A901)
- ALL EXISTING BOOKSTACKS, THAT ARE TO REMAIN, MUST BE STORED IN ANOTHER ROOM INDICATED BY THE DIRECTOR OF FACILITIES. OTHERWISE, THE BOOKSTACKS ARE TO BE PROTECTED FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION.

FLOOR PLAN LEGEND

EXISTING ROOM OR SPACE TO REMAIN. AREA NOT INCLUDED IN SCOPE OF WORK. SPECIFIC WORK MAY BE SHOWN ELSEWHERE, REFER TO M.E.P. DWGS.

EXISTING PARTITION TO REMAIN

NEW PARTITION

EXISTING GLAZED OPENING

NEW GLAZED OPENING

FIRE-RESISTANCE RATED CONSTRUCTION:

EXISTING 1HR DELUGE SPRINKLER IN CEILING ABOVE

EXISTING 1HR PARTITION

EXISTING 2HR PARTITION

NEW 1HR PARTITION

NEW 2HR PARTITION

IDENTIFY WALL TYPE AND RATING. SEE A902 FOR MORE INFO

EXISTING DOOR TO REMAIN (U.N.O.)

NEW DOOR & DOOR TAG
- SEE A901 FOR DOOR SCHEDULE AND OTHER INFORMATION
- SEE SPEC FOR HARDWARE INFO

ALIGN FINISH FACE OF NEW WALL WITH FINISH FACE OF THE EXISTING, ADJ. WALL

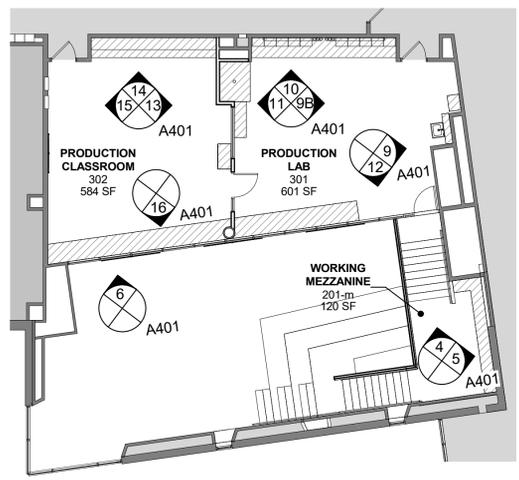
NEW MILLWORK. SEE A400s AND SPEC FOR MORE INFO

WALL TAG
SEE A901 FOR MORE INFORMATION

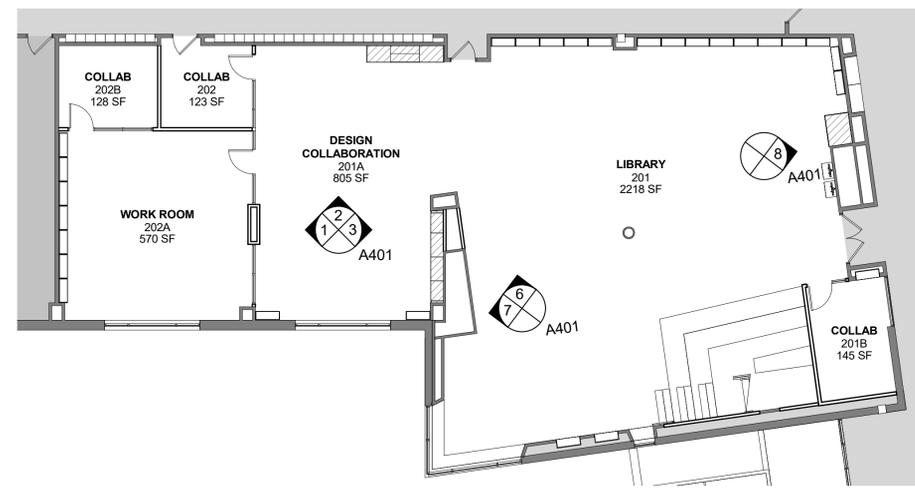
HM FRAME WINDOW TAG
SEE A901 FOR MORE INFORMATION

NEW CONSTRUCTION KEYNOTE

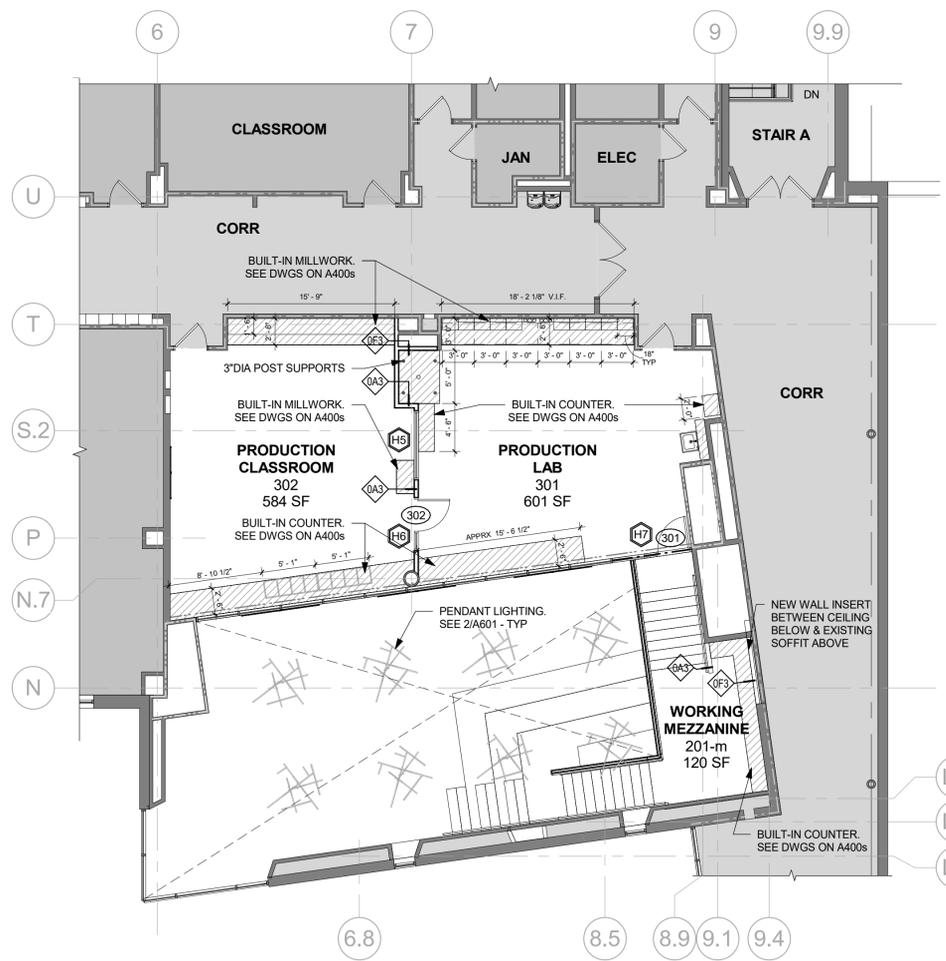
EXISTING RESCUE WINDOW (50"H x 30"W)



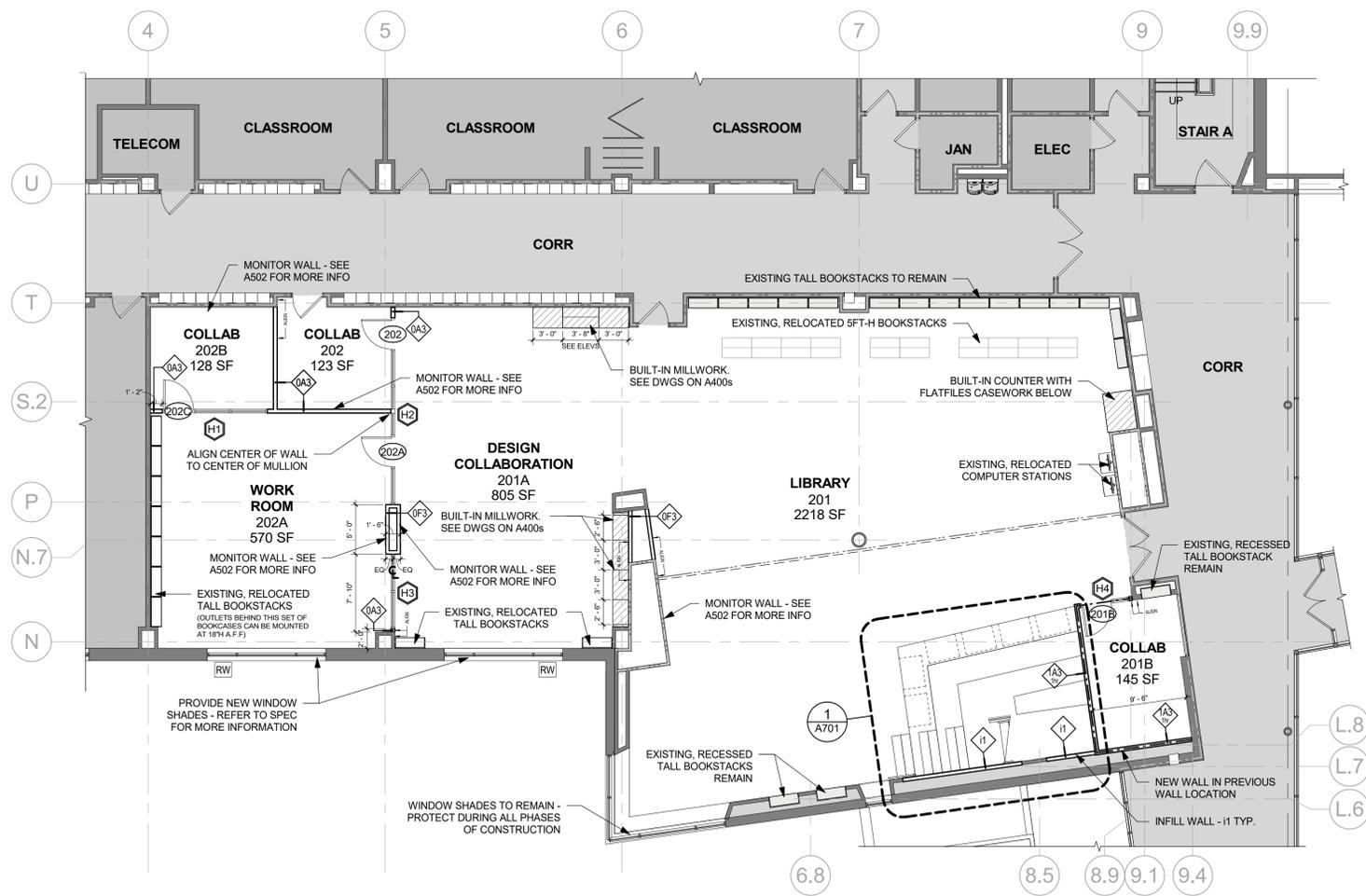
4 3RD FL - INT. ELEV KEY PLAN
3/32" = 1'-0"



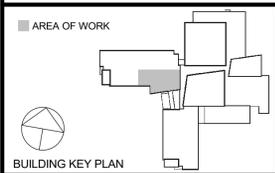
3 2ND FL - INT. ELEV KEY PLAN
3/32" = 1'-0"



2 3RD FLOOR PLAN
1/8" = 1'-0"



1 2ND FLOOR PLAN
1/8" = 1'-0"



AREA OF WORK

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAUFER, GARMENT & DAVIDSON ARCHITECTS, PC (KG+D), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KG+D.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECTION 1703-B(3) OF NEW YORK STATE LAW. COPYRIGHT KAUFER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

3	11/02/2022	ISSUE FOR BID
2	06/16/2022	NYSED - ADDENDUM #1
1	05/25/2022	NYSED - CONST. DOCS.
No.	Date	Issue

Sheet Title

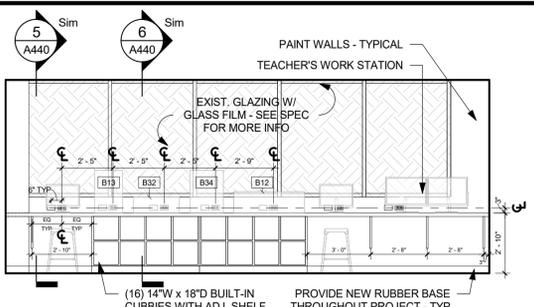
**AREA OF WORK
FLOOR PLANS**

Job No. 2021-1080 Date 11/02/2022
Scale AS NOTED Drawn / Checked KG+D
Sheet Number

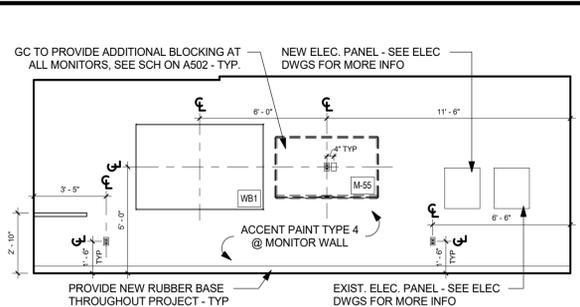
A201

**CONSTRUCTION
DOCUMENTS**

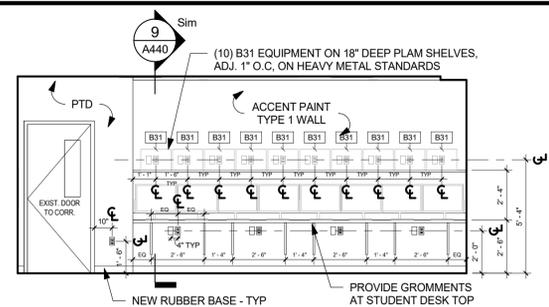
GENERAL NOTES:
- ARCHITECTURAL INT. ELEVATIONS ARE ONLY SHOWING NEW DATA & OUTLET WALL LOCATIONS. REFER TO ELEC DWGS FOR MORE INFO ABOUT EXISTING OR REPLACED RECEPTACLES.
- OUTLETS ARE 18" A.F.F. (CENTERED), TYP. REFER TO INT. ELEVATIONS & DETAILS FOR OUTLET LOCATIONS AT COUNTERS, MONITORS, EQUIPMENT, ETC.



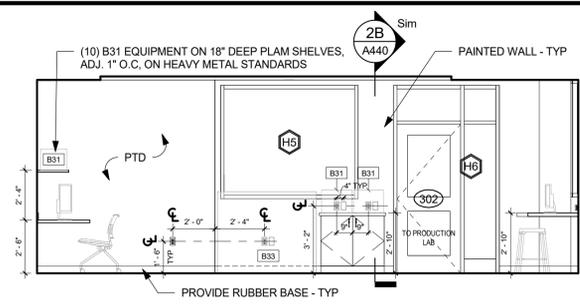
16 PRODUCTION CLASS. - SOUTH ELEV.
1/4" = 1'-0"



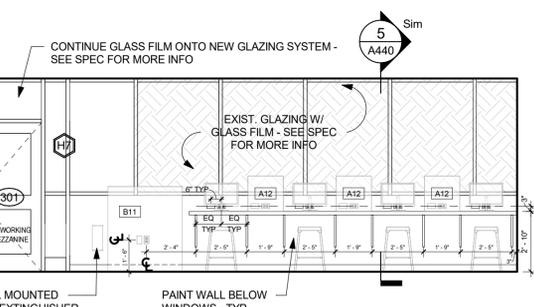
15 PRODUCTION CLASS. - WEST ELEV.
1/4" = 1'-0"



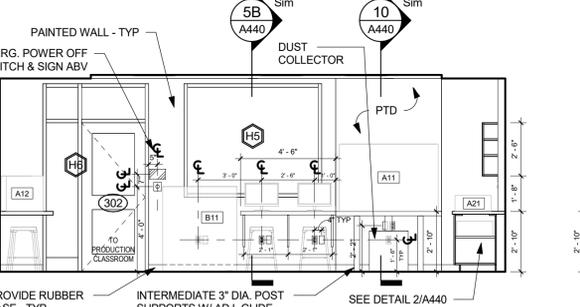
14 PRODUCTION CLASS. - NORTH ELEV.
1/4" = 1'-0"



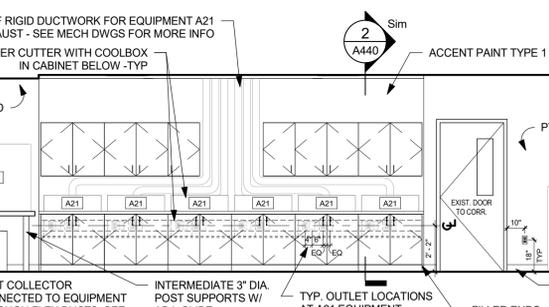
13 PRODUCTION CLASS. - EAST ELEV.
1/4" = 1'-0"



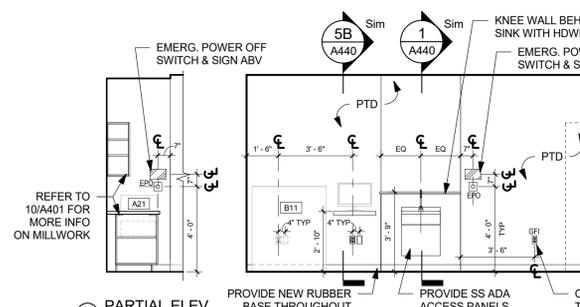
12 PRODUCTION LAB - SOUTH ELEV.
1/4" = 1'-0"



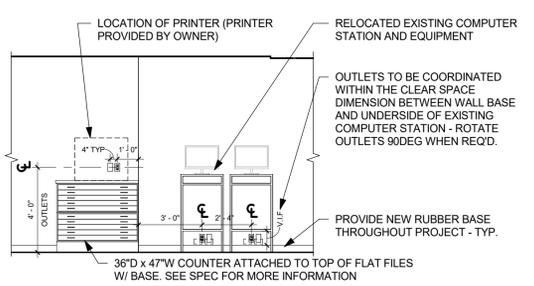
11 PRODUCTION LAB - WEST ELEV.
1/4" = 1'-0"



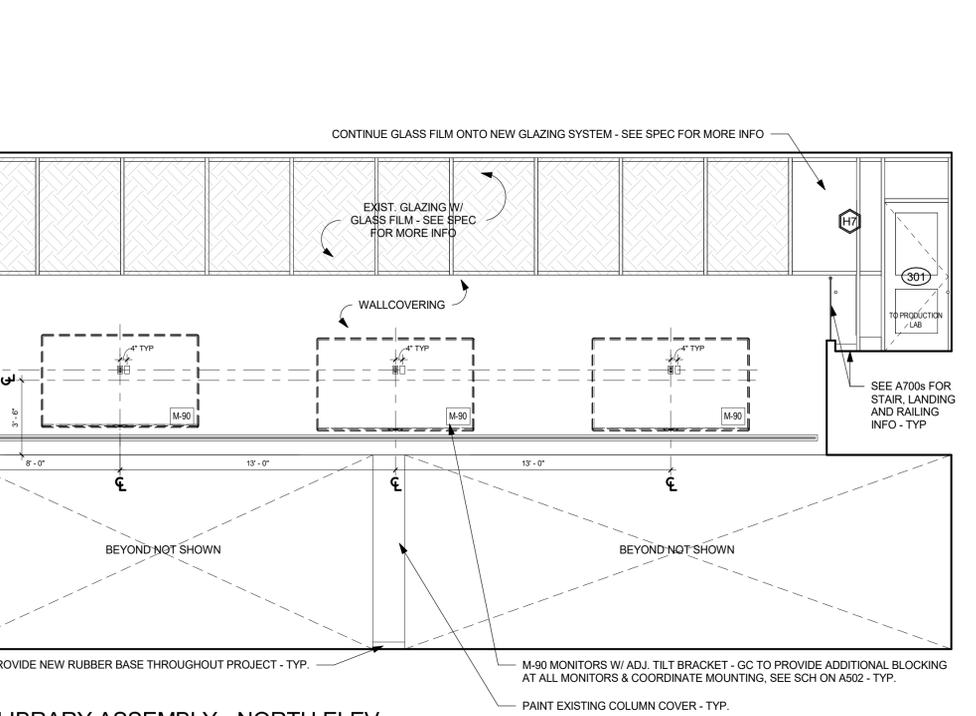
10 PRODUCTION LAB - NORTH ELEV.
1/4" = 1'-0"



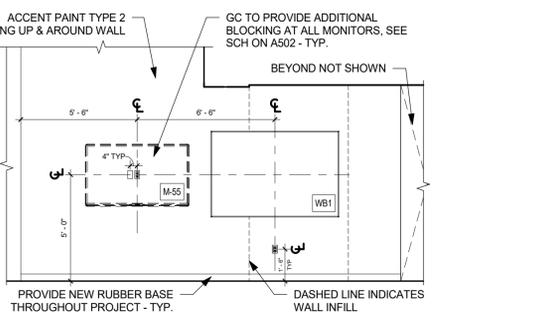
9 PRODUCTION LAB - EAST ELEV.
1/4" = 1'-0"



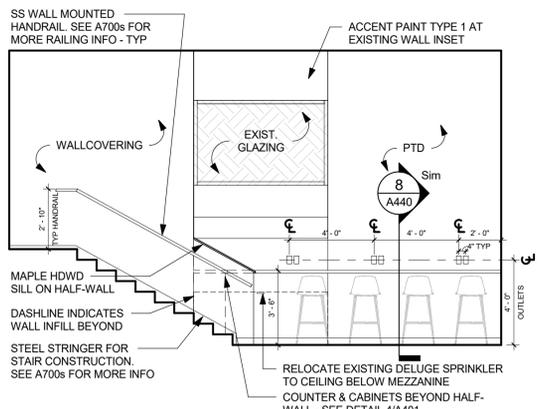
8 LIBRARY - PARTIAL EAST ELEV.
1/4" = 1'-0"



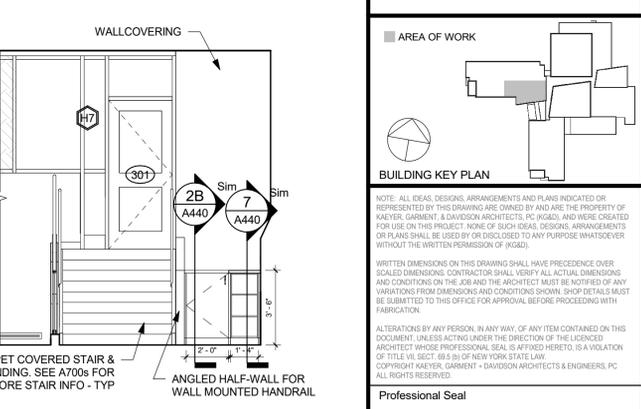
6 LIBRARY ASSEMBLY - NORTH ELEV.
1/4" = 1'-0"



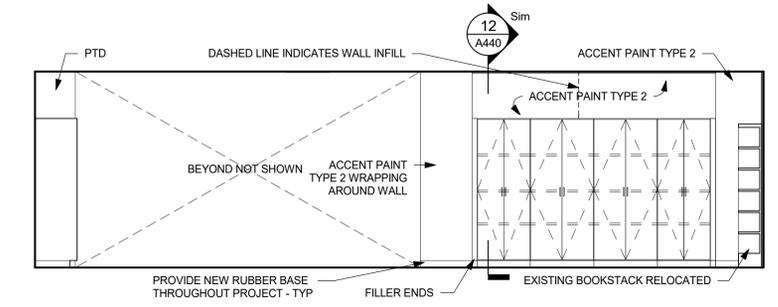
7 LIBRARY - PARTIAL WEST ELEV.
1/4" = 1'-0"



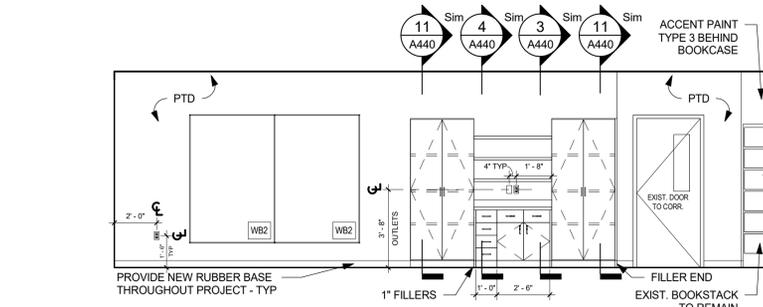
5 MEZZANINE - EAST ELEV.
1/4" = 1'-0"



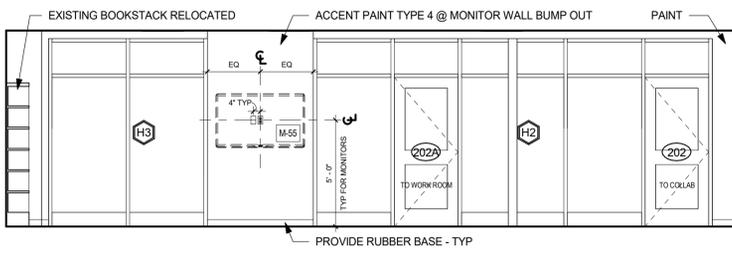
4 MEZZANINE - NORTH ELEV.
1/4" = 1'-0"



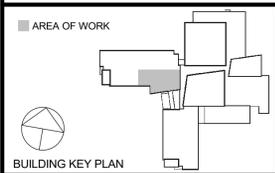
3 DESIGN COLLABORATION - EAST ELEV.
1/4" = 1'-0"



2 DESIGN COLLABORATION - NORTH ELEV.
1/4" = 1'-0"



1 DESIGN COLLABORATION - WEST ELEV.
1/4" = 1'-0"



AREA OF WORK

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEYER, GARMENT & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE V, SECTION 88(1-b) OF NEW YORK STATE LAW. COPYRIGHT KAEYER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

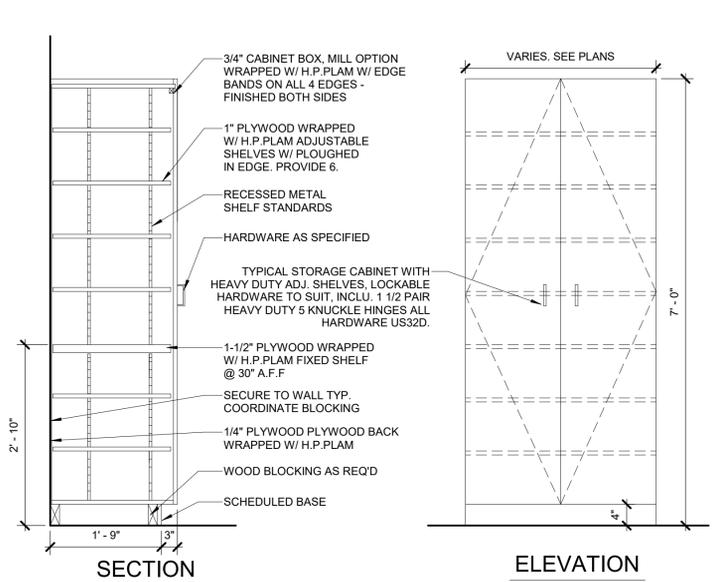


3	11/02/2022	ISSUE FOR BID
1	05/25/2022	NYSED - CONST. DOCS.
No.	Date	Issue

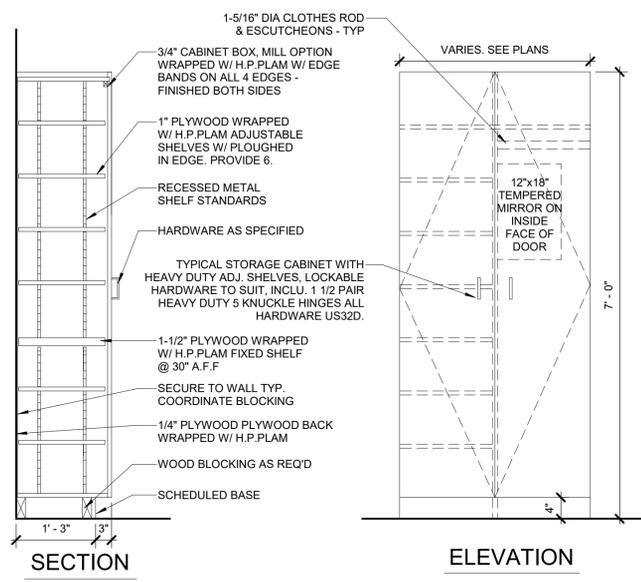
**INTERIOR
ELEVATIONS**

Job No.	2021-1080	Date	11/02/2022
Scale	AS NOTED	Drawn / Checked	KG+D

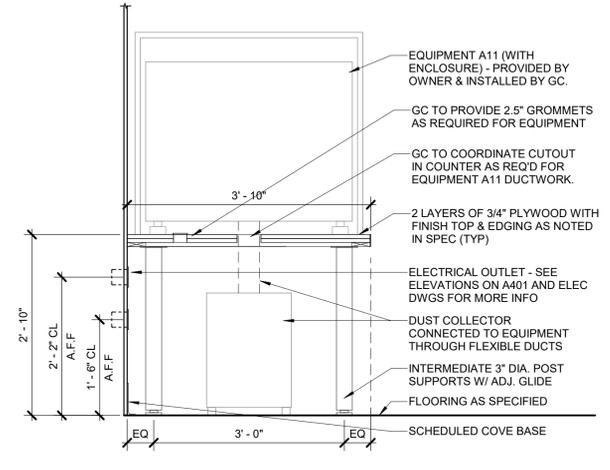
Sheet Number
A401



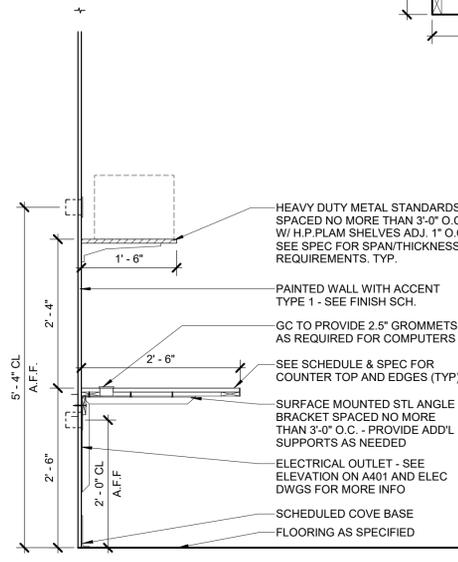
12 TYPICAL STORAGE CABINET
3/4" = 1'-0"



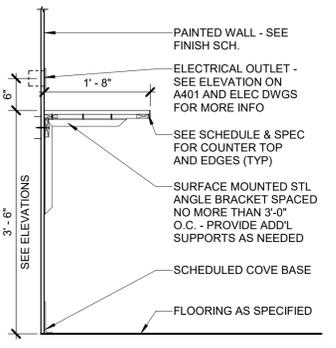
11 TYPICAL WARDROBE CABINET
3/4" = 1'-0"



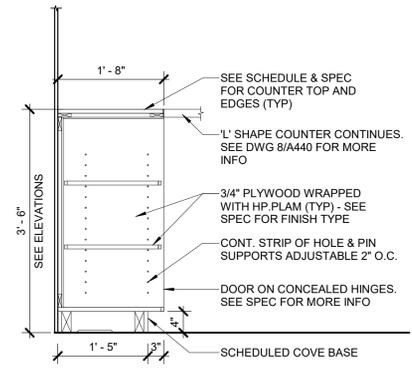
10 SECTION @ CNC ROUTER COUNTER
3/4" = 1'-0"



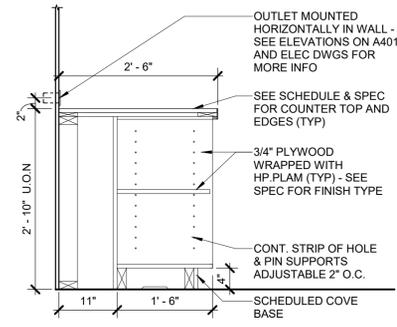
9 SECTION @ COMPUTER COUNTER
3/4" = 1'-0"



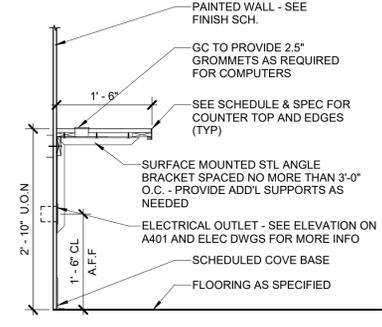
8 SECTION @ MEZZANINE
3/4" = 1'-0"



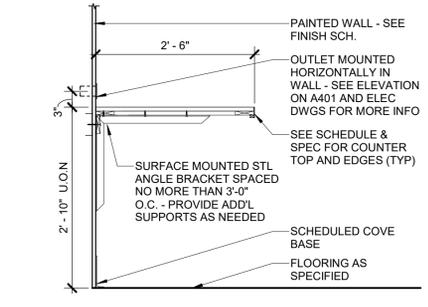
7 SECTION @ BASE SHELVING
3/4" = 1'-0"



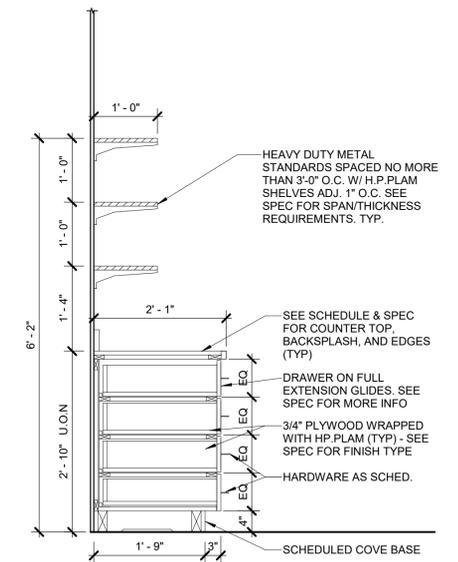
6 SECTION @ BASE CUBBY
3/4" = 1'-0"



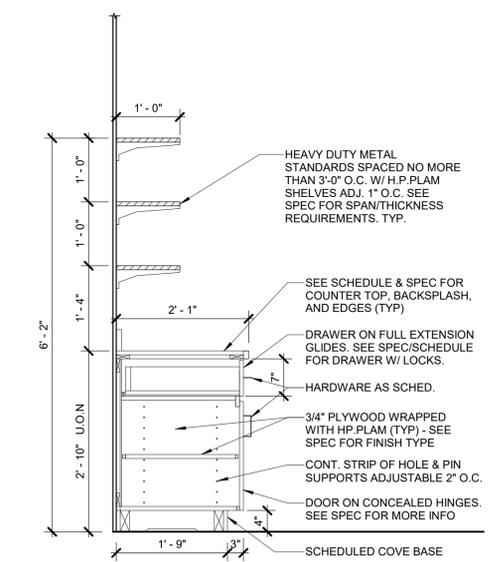
5B SECTION @ WORK COUNTER
3/4" = 1'-0"



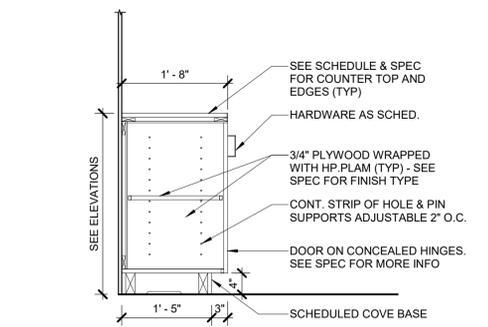
5 SECTION @ DEEP COUNTERTOP
3/4" = 1'-0"



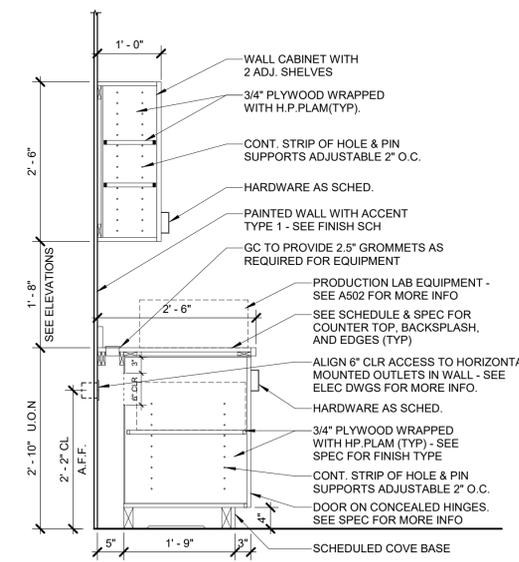
4 SECTION @ CABINET W/ DRAWERS
3/4" = 1'-0"



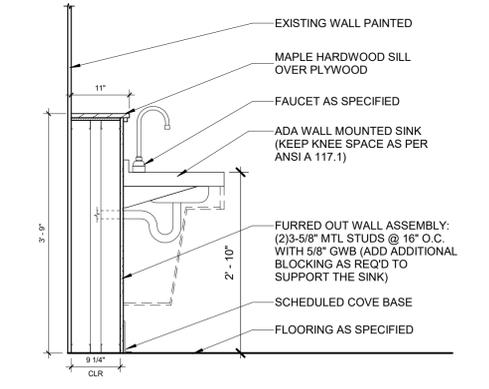
3 SECTION @ BASE CABINETS W/ 1 DRAWER
3/4" = 1'-0"



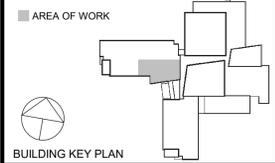
2B SECTION @ BASE CABINET
3/4" = 1'-0"



2 SECTION @ BASE & WALL
3/4" = 1'-0"



1 SECTION @ WALL MOUNTED ADA SINK
3/4" = 1'-0"



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEYER, GARMENT & DAVIDSON ARCHITECTS, PC (KGAD), AND THESE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECTION 1703-B(1)(b) OF NEW YORK STATE LAW. COPYRIGHT KAEYER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

3	11/02/2022	ISSUE FOR BID
1	05/25/2022	NYSED - CONST. DOCS.
No.	Date	Issue
Sheet Title		

**MILLWORK
DETAILS**

Job No.	2021-1080	Date	11/02/2022
Scale	AS NOTED	Drawn / Checked	KG+D
Sheet Number			

SIGNAGE SCHEDULE					
ROOM #	LOCATION	SIGN TYPE	SIGN TEXT (TEXT TO BE CONFIRMED WITH OWNER)	DESCRIPTION	QTY
201	LIBRARY	M	116 OCCUPANTS	SEE TYPE M DRAWING FOR MORE DETAILS	2
201A	DESIGN COLLABORATION	P	(FULL TEXT TO BE DETERMINED)	SEE TYPE P DRAWING FOR MORE DETAILS	1
301	PRODUCTION LAB	E	EMERGENCY SHUT-OFF	SEE TYPE E DRAWING FOR MORE DETAILS	3

Finish Schedule															Comments	
ROOM #	ROOM NAME	FLOOR			NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING			
		FIN	BASE	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	HT		
201	LIBRARY	CPT1	RB	EXIST	PTD & WC	EXIST/GWB	PTD	EXIST/GWB/WW	PTD	EXIST/GWB	PTD	EXIST/GWB	EXIST, PTD	EXIST.M.EX	SEE A401 FOR WC LOCATION & SEE A501 FOR ACCENT PAINT LOCATIONS	
201A	DESIGN COLLABORATION	CPT1	RB	EXIST	PTD	EXIST	PTD	EXIST	PTD	EXIST/GWB/WW	PTD	EXIST	EXIST	EXIST	ACCENT PAINT TYPE 2 ON EAST WALL & TYPE 4 ON WEST WALL/MONITOR BUMP OUT	
201B	COLLAB	CPT3	RB	EXIST/WW	PTD	EXIST	PTD	GWB	WPT	GWB	PTD	ACT	FF	8'-0" AFF	ACCENT PAINT TYPE 4 ON WEST WALL/MONITOR WALL	
202	COLLAB	CPT3	RB	EXIST	PTD	GWB/WW	PTD	GWB	PTD	EXIST/GWB	WPT	ACT/GWB	FF/PTD	SEE RCPs	ACCENT PAINT TYPE 4 ON SOUTH WALL/MONITOR WALL	
202A	WORK ROOM	CPT2 + CPT3	RB	GWB/WW	PTD	GWB/WW	PTD	EXIST	PTD	ACT	FF	ACT	FF	9'-2"	ACCENT PAINT TYPE 4 ON EAST WALL/MONITOR BUMP OUT	
202B	COLLAB	CPT3	RB	EXIST	PTD	GWB	WPT	GWB/WW	PTD	EXIST	PTD	ACT/GWB	FF/PTD	SEE RCPs	ACCENT PAINT TYPE 4 ON NORTH WALL/MONITOR WALL	
201-m	WORKING MEZZANINE	CPT1 + CPT3	RB	EXIST/WW	WC	EXIST/GWB	WC & PTD	EXIST	PTD	-	-	EXIST	EXIST	EXIST	SEE A401 FOR WC LOCATION & SEE A501 FOR ACCENT PAINT LOCATIONS	
301	PRODUCTION LAB	LVT1	RB	EXIST/GWB	PTD	EXIST	PTD	EXIST/WW	PTD	EXIST/GWB/WW	PTD	EXIST/GWB	EXIST, PTD	EXIST.M.EX	ACCENT PAINT TYPE 1 BEHIND CABINETS AT NORTH WALL	
302	PRODUCTION CLASSROOM	LVT1	RB	EXIST	PTD	GWB/WW	PTD	EXIST/WW	PTD	EXIST	PTD	EXIST/GWB	EXIST, PTD	EXIST.M.EX	ACCENT PAINT TYPE 1 BEHIND COUNTER & SHELVES AT NORTH WALL & ACCENT PAINT TYPE 4 ON WEST WALL/MONITOR WALL	

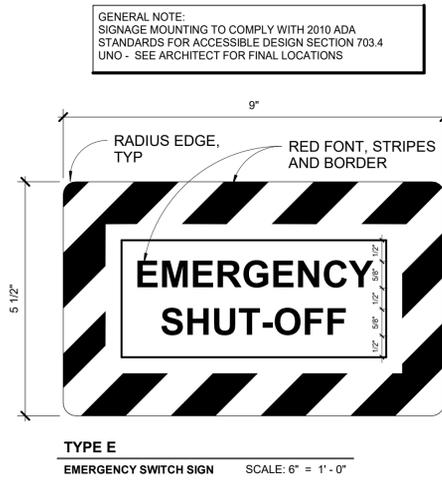
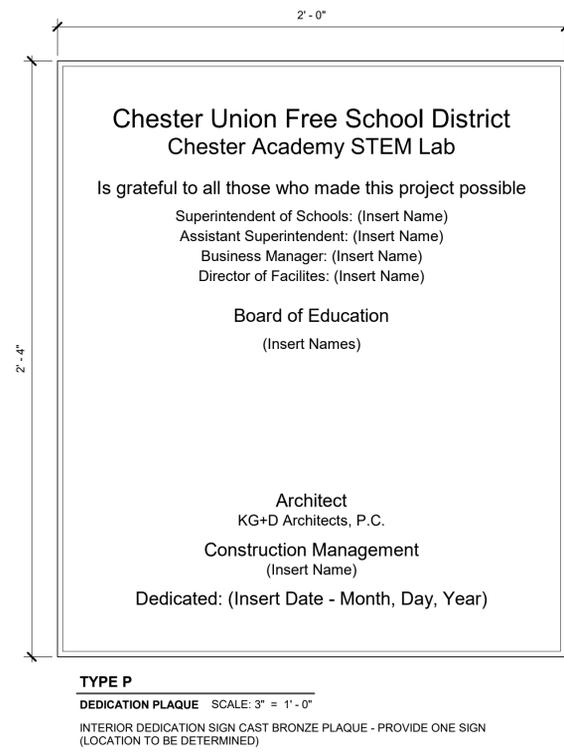
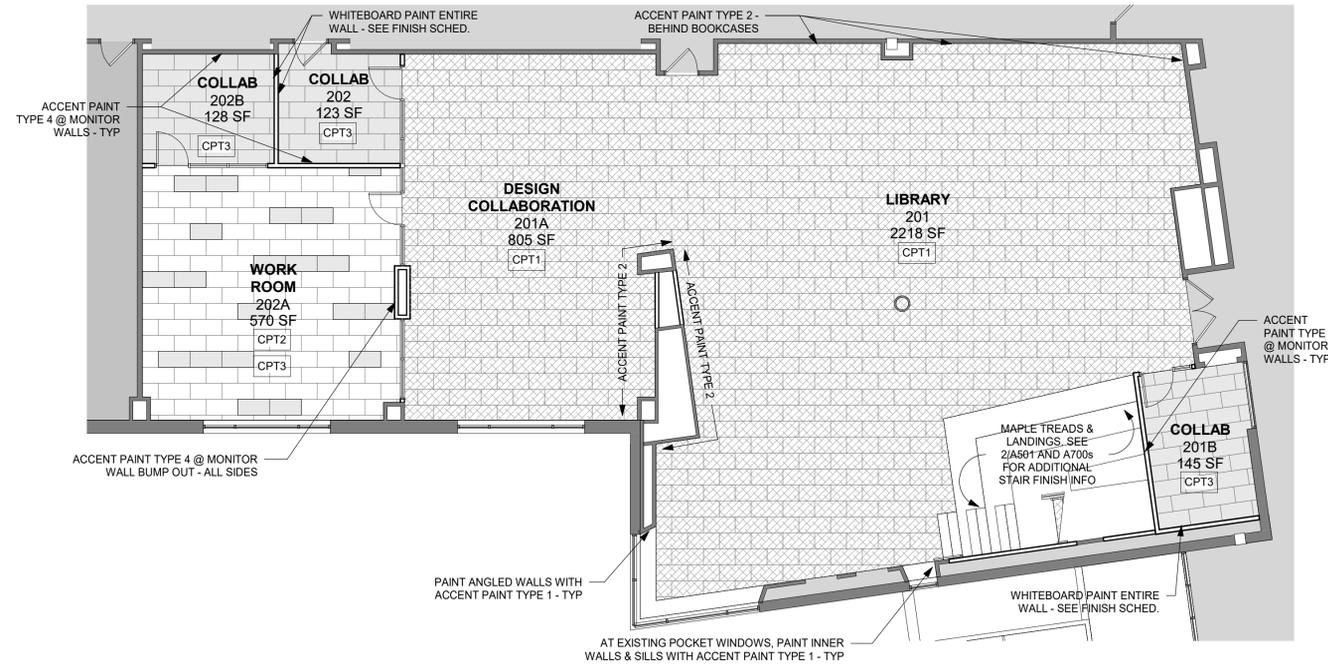
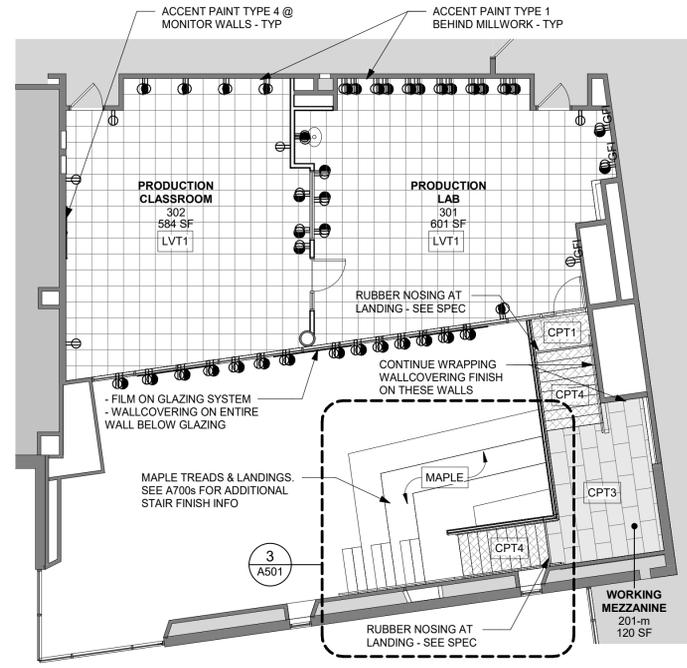
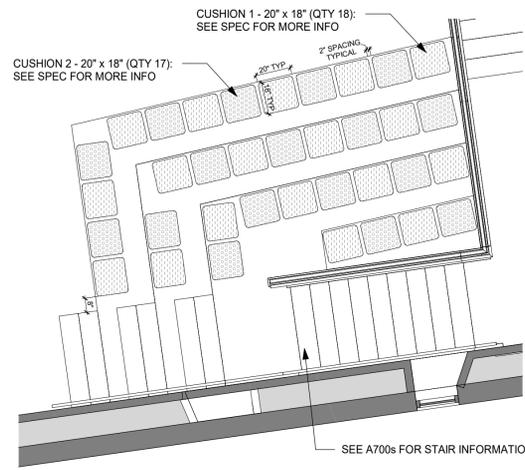
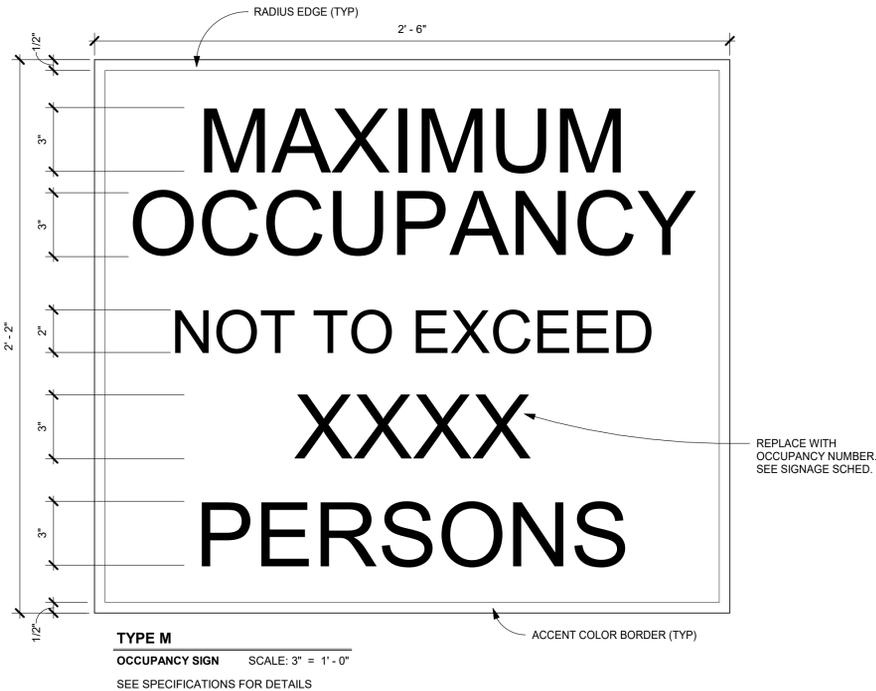
FINISH SCHEDULE ABBREVIATION KEY:

ACT	ACOUSTIC CEILING TILE	PTD	PAINT
CPT*	CARPET	RB	RUBBER BASE
EXIST	EXISTING MATERIAL	WC	WALLCOVERING
GWB	GYPSUM WALL BOARD	WW	WINDOW WALL
LVT*	LUXURY VINYL TILE	WPT	WHITEBOARD PAINT
M.EX	MATCH EXISTING		

(* NUMBER INDICATES STYLE: REFER TO SPEC)

FLOOR FINISH LEGEND:

	CPT1		CPT4 (STAIR ONLY)
	CPT2		LVT1
	CPT3		

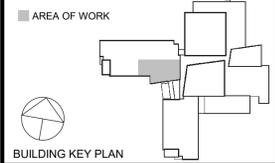


CHESTER ACADEMY STEM LAB ALTERATIONS
CHESTER UNION FREE SCHOOL DISTRICT
64 HAMBLETONIAN AVENUE
CHESTER, NY 10918

KG+D listen imagine build
ARCHITECTS PC
285 MAIN STREET MOUNT KISCO, NEW YORK, 10549
P: 914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.
44-02-01-02-0-009-006

CONSTRUCTION DOCUMENTS



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEYER, GARMENT & DAVIDSON ARCHITECTS, P.C. (KG+D), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KG+D.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE V, § 2-160.1(b) OF NEW YORK STATE LAW.

COPYRIGHT KAEYER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, P.C. ALL RIGHTS RESERVED.

Professional Seal

3	11/02/2022	ISSUE FOR BID
1	05/25/2022	NYSED - CONST. DOCS.
No.	Date	Issue

Sheet Title
FINISH PLANS AND SCHEDULES & SIGNAGE INFORMATION

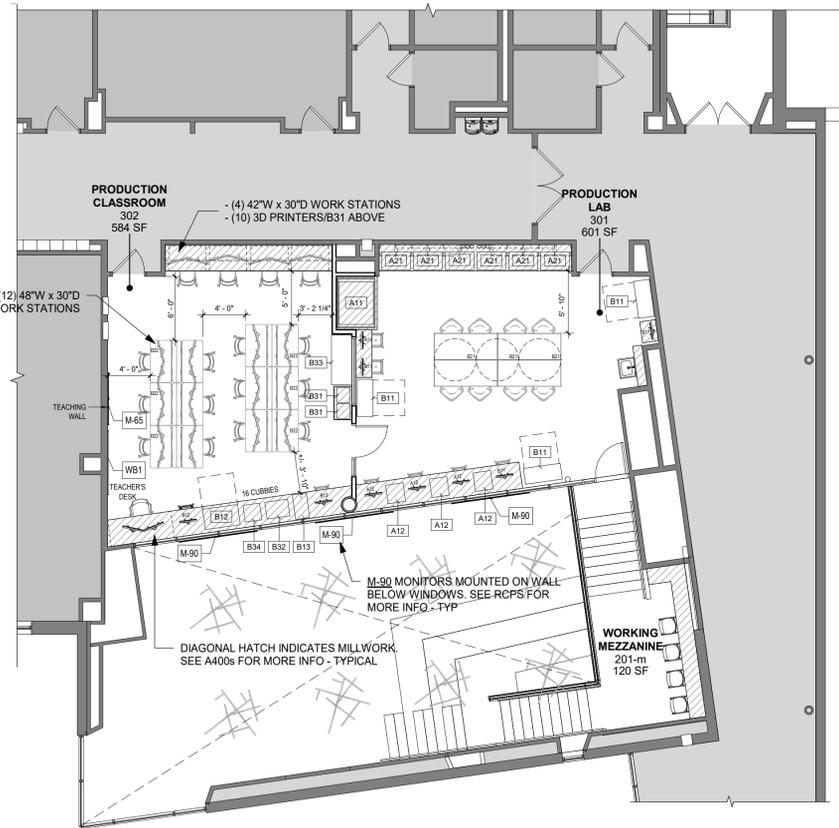
Job No.	2021-1080	Date	11/02/2022
Scale	AS NOTED	Drawn / Checked	KG+D

Sheet Number
A501

PRODUCTION STUDIO EQUIPMENT

Equip. Tag	QTY provided	Equipment Type	Vendor and Model	Dimensions in Drawings (Inches WxDxH)
A-11	1	Counter CNC Router	Shopbot - Desktop MAX CNC Router	56 x 43 x 38 - inversion enclosure
	1	Dust Collector	Shopbot - Fein 9-20-28 Turbo II Vacuum/Dust Extractor	15.75 x 23 x 21.75 - below counter
A-12	3	Counter CNC Milling Machine	Bantam Tools - CNC Milling Machine	20 x 21 x 20
A-21	6	Counter Laser Cutter	Full Spectrum Laser - Muse 3D-45W Laser Cutter	32.5 x 20.5 x 8.5
	6	Coolbox	Full Spectrum Laser - Muse Coolbox V2	12 x 20.5 x 8.5 - below (in cabinet)
B-11	3	Standup Vinyl Cutter	US Cutter - SAC720IIARM - Titan3 Vinyl Cutter 28"	42 x 18 x 48
B-12	1	Counter Vinyl Printer/Cutter	Roland - VersaSTUDIO BN-20 Vinyl Printer/Cutter	40 x 23 x 12
B-13	1	Counter TShirt Printer	Roland - VersaSTUDIO BT-12 Direct-to-Garment Printer	16 x 28 x 24
B-21	3 (storage)	3D Scanner with Turntable	Afinia - EinScan-SE (Elite) 3D Scanner with Turntable	22 x 9 x 9 - storage
B-22	6 (storage)	Oculus Headset	Oculus - Quest2 Advanced All-in-One VR Headset 256GB (carrying case & link cable kit)	18 x 18 x 12 - storage
B-31	12	Counter 3D Printer	Makerbot - Sketch 3D Printer	17 x 15 x 12 (10 on shelf above workstations in room 302, 2 on counter by item B33)
B-32	1	Counter Flatbed Scanner	Epson - Expression 12000XL Scanner	26 x 29 x 9
B-33	1	Standup Plotter	HP - DesignJet T730 Wireless 36" Plotter	56 x 23 x 46
B-34	1	Counter Printer	HP - LaserJet Enterprise M607 Printer	19 x 19 x 24

NOTE:
- ALL EQUIPMENT, BUT THE ITEM NOTED BELOW, IS SUPPLIED BY OWNER AND INSTALLED BY GC. FOR ADDITIONAL NOTES, SEE MEP DRAWINGS.
- GC IS TO PROVIDE & INSTALL THE DUST COLLECTOR. GC TO PROVIDE AN ADAPTER FROM SHOP VAC TO 4" DUCT - SEE MEP DRAWINGS FOR MORE INFORMATION.

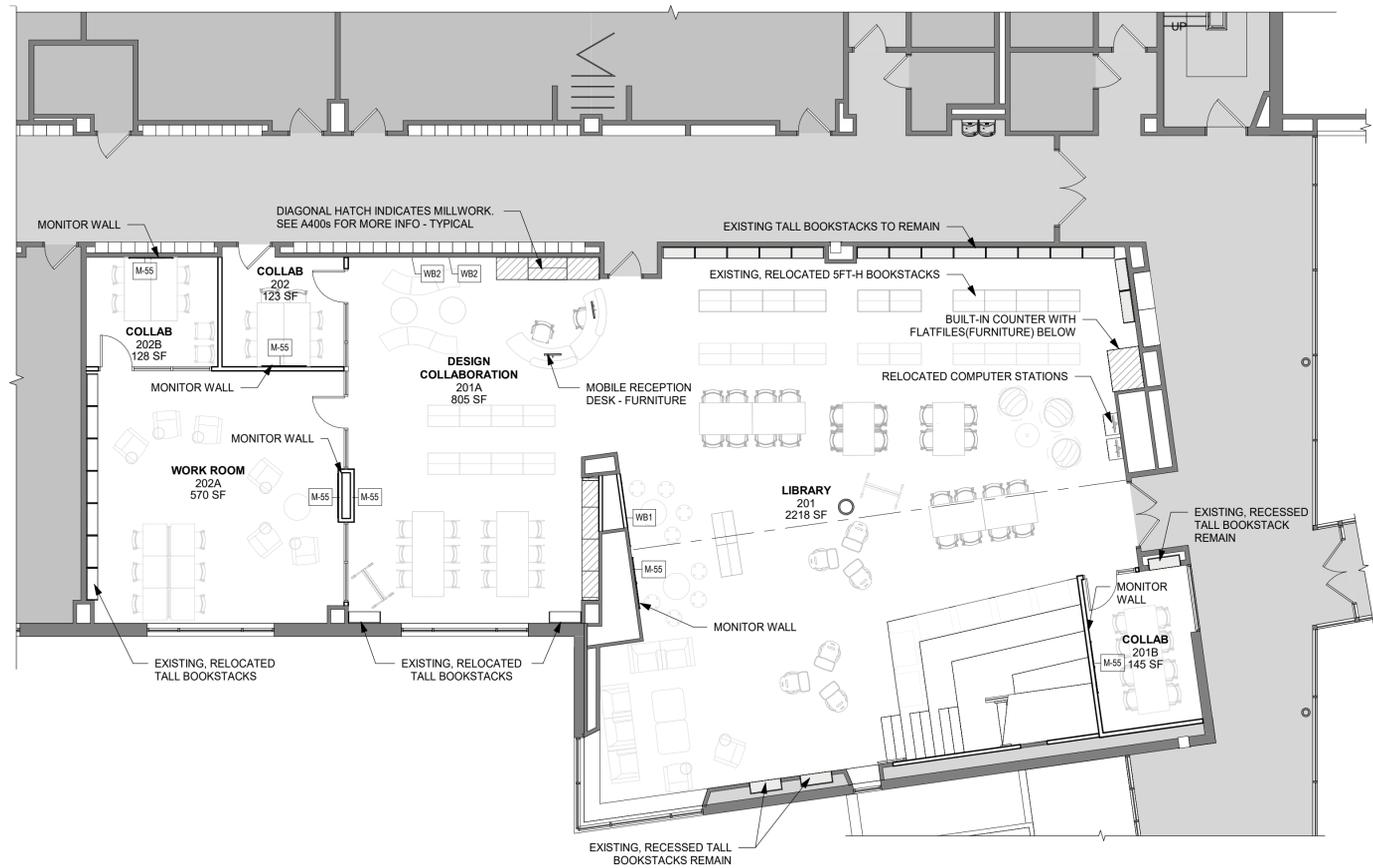


2 3RD FLOOR EQUIPMENT PLAN
1/8" = 1'-0" FURNITURE N.I.C.

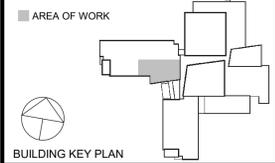
WHITEBOARD AND MONITOR SCHEDULE

ITEM	TAG	QTY	LOCATION	COMMENTS
72"W x 48"H MAGNETIC WHITEBOARD	WB1	2	CLASSROOM AND LIBRARY ASSEMBLY	
48"W x 72"H MAGNETIC WHITEBOARD	WB2	2	DESIGN COLLABORATION	GC TO COORDINATE WITH ARCHITECT ON FINAL LOCATION
55" MONITOR	MT-55	6		
65" MONITOR	MT-65	1	CLASSROOM	
90" MONITOR	MT-90	3	LIBRARY ASSEMBLY (SEE 6/A401)	COORDINATE MONITOR W/ EXIST. LINEAR MECH. LOUVER

GENERAL NOTES
- ALL MONITORS & ARE SUPPLIED BY OWNER
- GC TO PROVIDE ADDITIONAL BLOCKING AS REQ'D FOR MONITORS
- GC TO COORDINATE AV EQUIPMENT INSTALL WITH OWNERS
- MT-90 MONITORS TO BE ON ADJUSTABLE TILTING BRACKET PROVIDED BY THE OWNER



1 2ND FLOOR EQUIPMENT PLAN
1/8" = 1'-0" FURNITURE N.I.C.



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAUFER, GARMENT & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.
ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE V, SECTION 88(1)(b) OF NEW YORK STATE LAW.
COPYRIGHT KAUFER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.



3	11/02/2022	ISSUE FOR BID
1	05/25/2022	NYSED - CONST. DOCS.
No.	Date	Issue

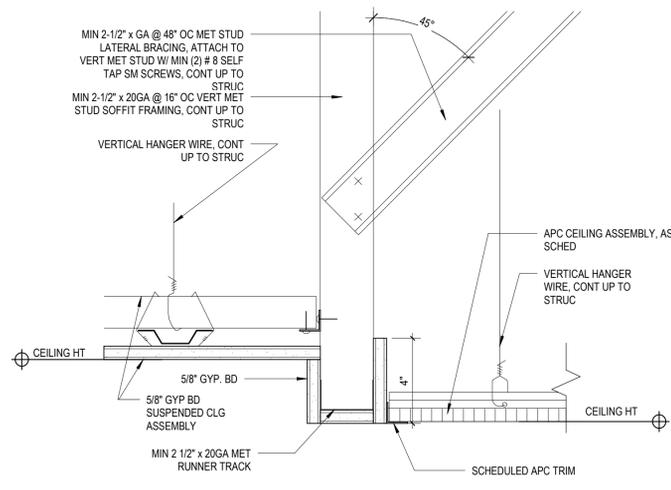
**FURNITURE AND
EQUIPMENT
PLANS &
SCHEDULES**

Job No.	2021-1080	Date	11/02/2022
Scale	AS NOTED	Drawn / Checked	KG+D

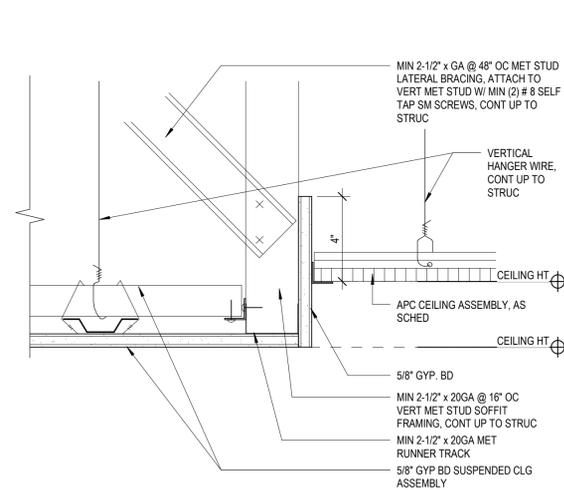
Sheet Number
A502

CEILING NOTES

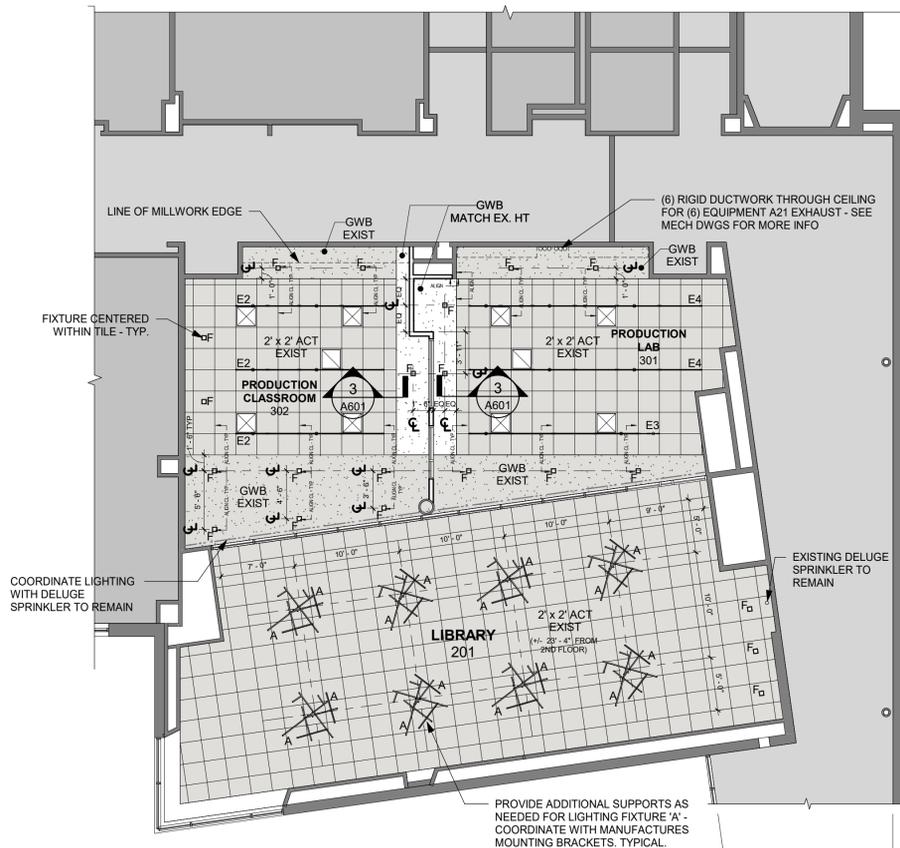
- 1 ■ DENOTES AREA OF NO ARCHITECTURAL WORK, U.O.N. - SEE M.E.P. DWGS.
- 2 CEILING GRIDS ARE TO BE CENTERED IN ROOM. ALL CEILING FIXTURES, INCLUDING SMOKE DETECTORS, HVAC REGISTERS, ETC. ARE TO BE CENTERED IN CEILING TILES.
- 3 SEE ELECTRICAL DRAWINGS FOR LIGHTING FIXTURE SCHEDULE
- 4 SEE DWG. A501 FOR FINISH SCHEDULE
- 5 CEILING HEIGHTS SHOWN IN RCPs, SECTIONS, & DETAILS SHALL TAKE PRECEDENCE OVER HEIGHTS INDICATED ON SCHEDULES
- 6 DENOTES NEW CEILING SYSTEMS
- 7 DENOTES EXISTING CEILING SYSTEMS - ENTIRE ACT CEILING SYSTEM TO BE STORED DURING CONSTRUCTION & REINSTALLED UPON COMPETITION OF MEP WORK
- 8 ALIGN CEILING EDGE WITH FINISH FACE OF ADJACENT WALL
- 9 DENOTES SUPPLY REGISTERS - SEE MEP DWGS
- 10 DENOTES RETURN REGISTERS - SEE MEP DWGS



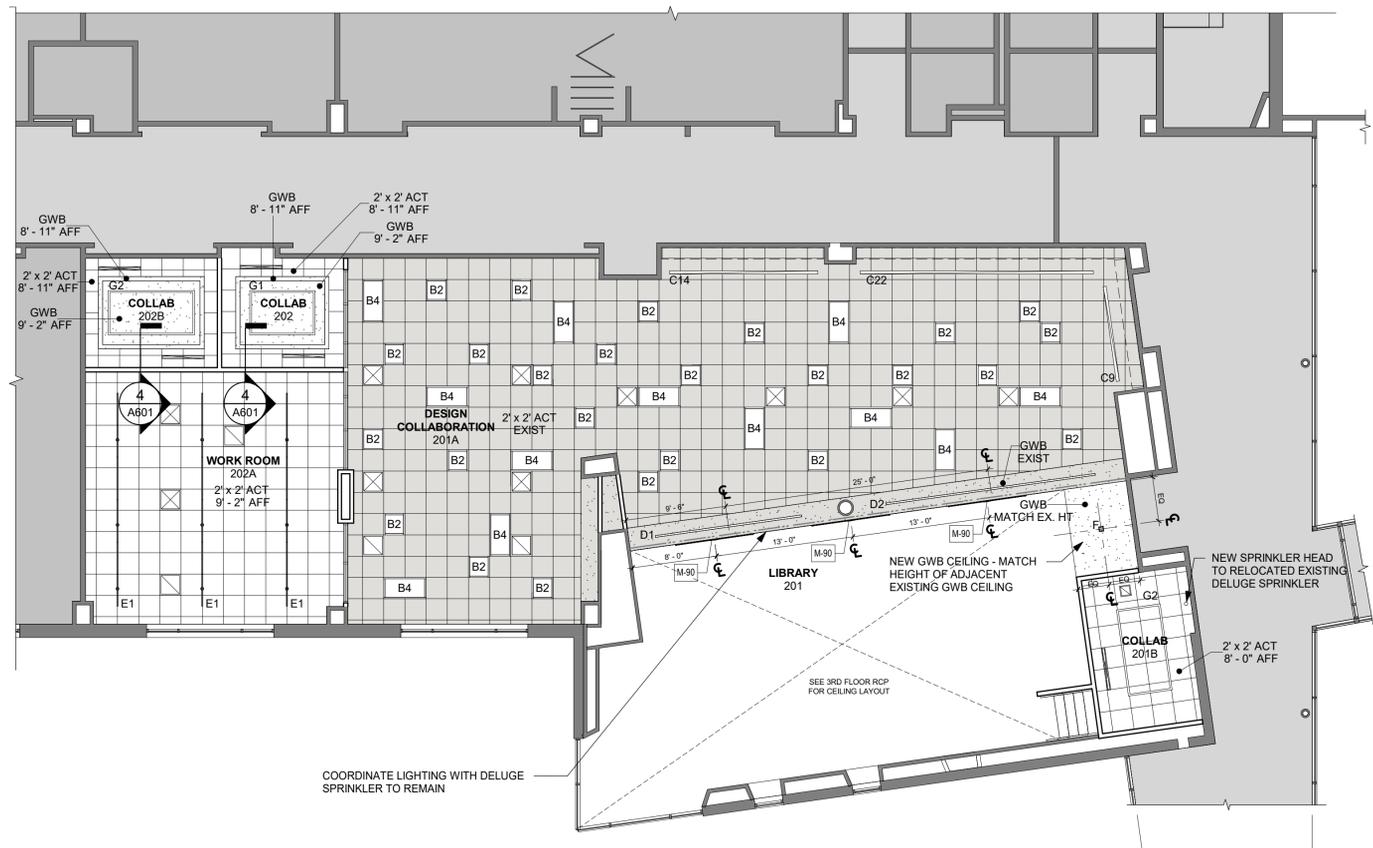
4 CEILING DETAIL AT SOFFIT
3" = 1'-0"



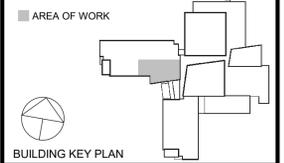
3 CEILING DETAIL AT PERIMETER
3" = 1'-0"



2 3RD FLOOR RCP
1/8" = 1'-0"



1 2ND FLOOR RCP
1/8" = 1'-0"



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAUYER, GARMENT & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECTION 1803-B(3) OF NEW YORK STATE LAW.

COPYRIGHT KAUYER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.



3	11/02/2022	ISSUE FOR BID
1	05/25/2022	NYS-ED - CONST. DOCS.
No.	Date	Issue

**AREA OF WORK
REFLECTED
CEILING PLAN**

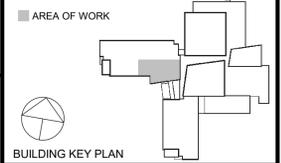
Job No.	2021-1080	Date	11/02/2022
Scale	AS NOTED	Drawn / Checked	KG+D

Sheet Number
A601

NON-RATED PARTITIONS

1 hr RATED PARTITIONS

GENERAL PARTITION NOTES/DETAILS



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEYER, GARMENT & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

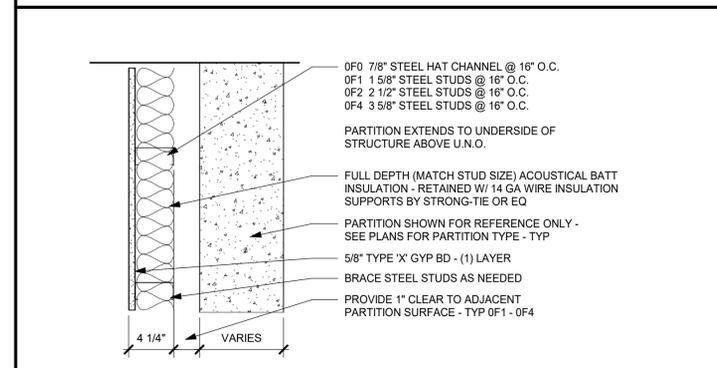
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECTION 1701-B(3) OF NEW YORK STATE LAW.

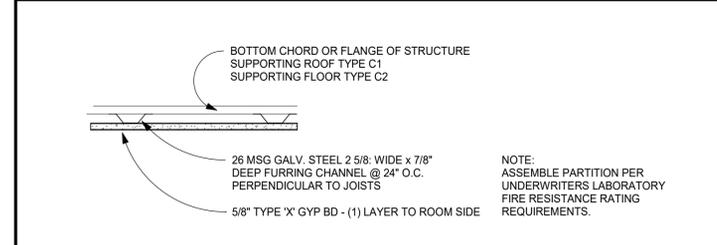
COPYRIGHT KAEYER, GARMENT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.



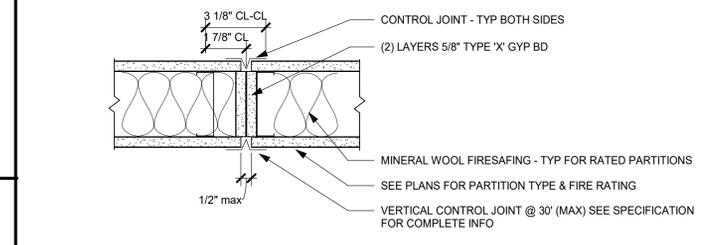
SPECIALTY PARTITIONS



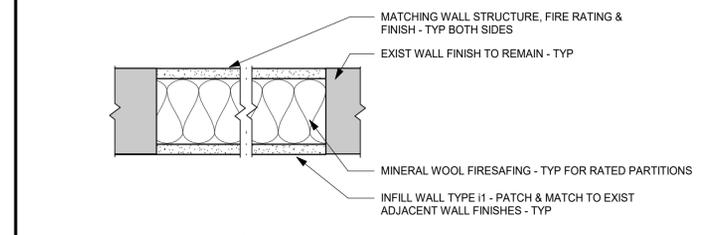
0FX NON-RATED FURRING PARTITION



C1 1 hr - RATED ROOF/CEILING (UL # P519)
C2 1 hr - RATED FLOOR/CEILING (UL # G515)

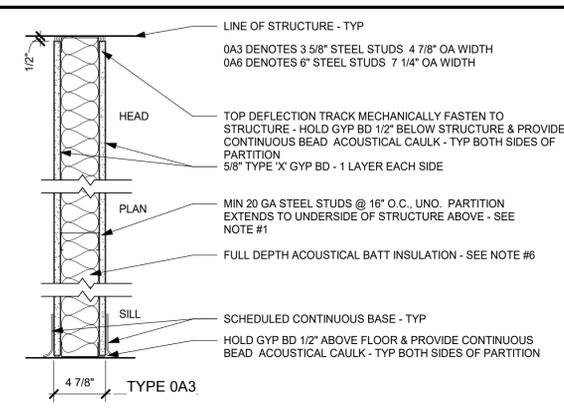


A TYPICAL GYP BD CONTROL JOINT

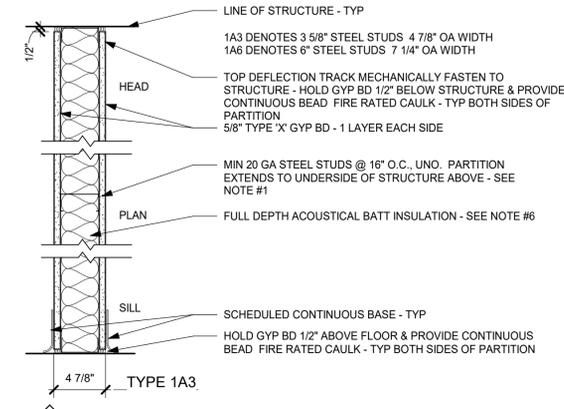


i1 TYPICAL INFILL WALL

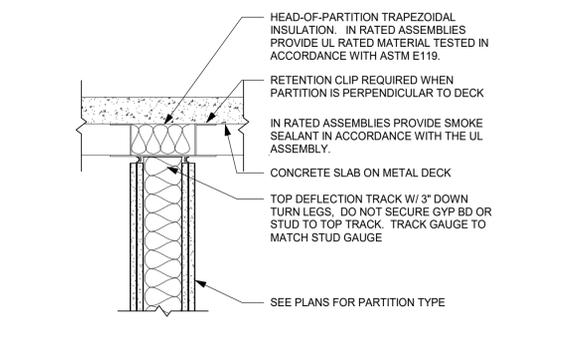
METAL STUD PARTITIONS



0AX NON-RATED STEEL STUD WALL



1AX 1 hr FIRE RESISTIVE - UL #U419



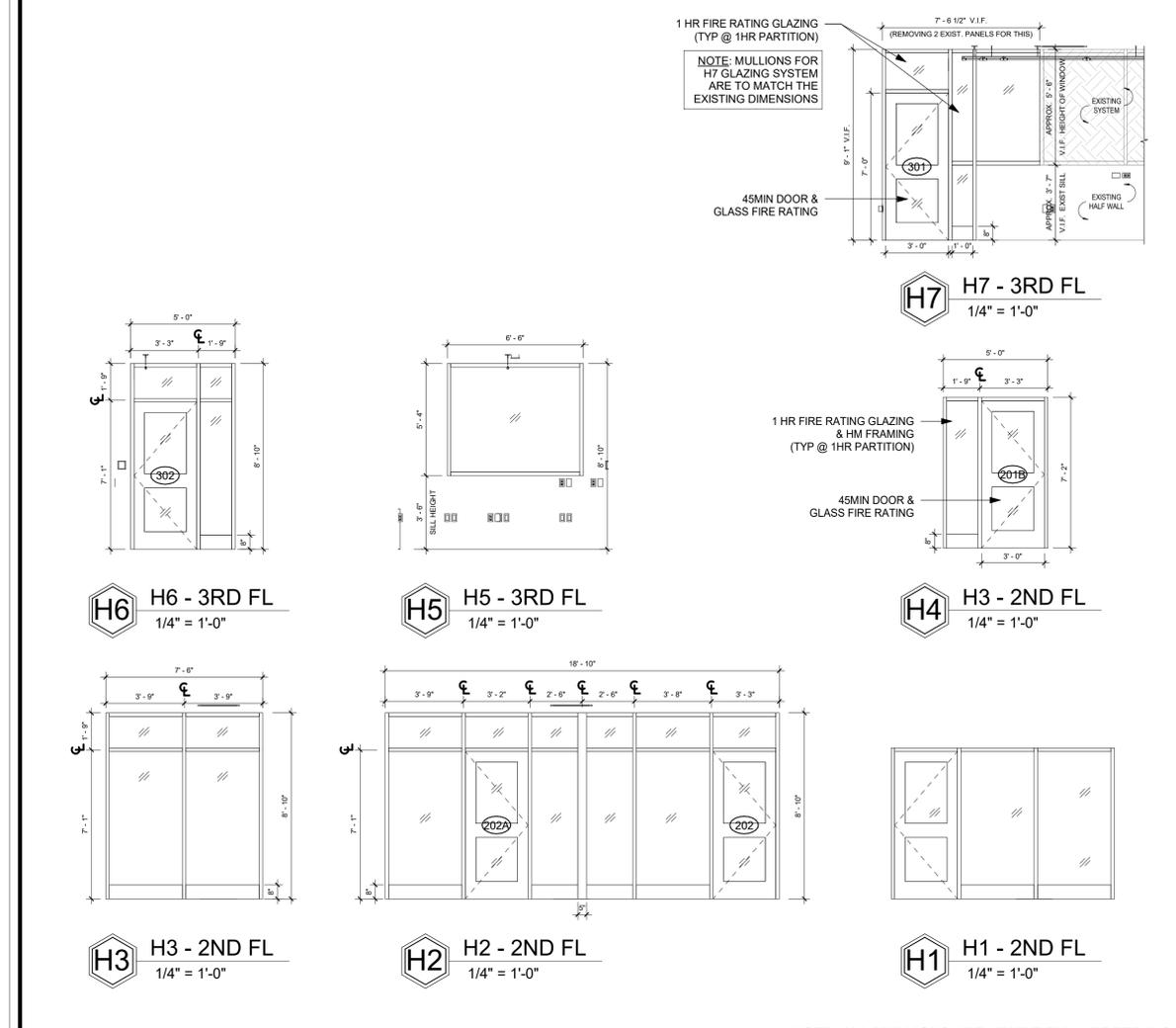
H1 TYPICAL PARTITION HEAD DETAIL @ METAL DECK PERPENDICULAR TO DECK
NOTE: PROVIDE U.L. ASSEMBLY AT ALL RATED PARTITIONS FOR PARTITION TO DECK CLOSURE

PARTITION CONSTRUCTION NOTES

- PARTITION TYPES DESIGNATED WITH '48' ADJACENT TO PARTITION TYPE SYMBOL SHALL TERMINATE AT 48" ABOVE FINISHED FLOOR. PROVIDE STEEL TUBE, ANGLE OR HEAVY GAUGE STUDS INSIDE THE PARTITION, AS REQUIRED TO MEET PARTITION DEFLECTION CRITERIA.
- PROVIDE DEFLECTION TRACK AT TOP OF ALL PARTITIONS THAT EXTEND TO STRUCTURE ABOVE, (TYPICAL). PROVIDE FIRE-RATED DEFLECTION TRACK SYSTEM AT TOP OF ALL FIRE-RATED PARTITIONS, (TYPICAL). SEE DETAIL H1 ON THIS SHEET.
- SEE SPECIFICATIONS FOR FIRESTOPPING REQUIREMENTS.
- WHERE ACOUSTICAL BATT INSULATION IS USED IN PARTITIONS: SEAL AIRTIGHT W/ NON-HARDENING ACOUSTICAL SEALANT AT TOP, BOTTOM & SIDES. PARTITION MOUNTED ELECTRICAL BOXES SHOULD BE OFFSET MIN 24" (NOT BACK TO BACK) W/ PERIMETER OF BOXES SEALED AIR-TIGHT W/ NON-HARDENING ACOUSTICAL PUTTY PADS. PIPE & DUCT PENETRATIONS SHALL BE SLEEVED, PACKED W/ 10lb. DENSITY CLOSED CELL FOAM, & SEALED TO PARTITION W/ NON-HARDENING ACOUSTICAL SEALANT. FIRE RATED PARTITIONS TO RECEIVE FIRE RATED PUTTY PADS - TYP.
- PROVIDE 'INSULHOLD' HANGERS OR EQ BATT RETAINING CLIPS HORIZONTALLY @ MAX 48" SPACING PER MFG SPECS IN ALL SINGLE SIDED (GYP BD) FURRING PARTITIONS.
- COORDINATE REQUIRED STUD GAUGE WITH STRUCTURAL DRAWINGS - TYP.
- ONLY OUTER LAYER GWB OF ROOM 201B (STAIR SIDE) AND WALL BELOW RAILING SYSTEM AT STAIR TO BE 5/8" THK ABUSE RESISTANT TYPE.
- REFER TO SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS FOR ENVIRONMENTAL CONDITIONS REQUIRED FOR STORAGE AND INSTALLATION OF GYPSUM PARTITION BOARD PRODUCTS. PRODUCTS IMPROPERLY STORED OR INSTALLED WITHOUT INDOOR ENVIRONMENTAL CONTROL MAY BE REJECTED.
- SEE SPECIFICATIONS FOR FINISH REQUIREMENTS OF GYP BD AT WET AREAS. USE TILE BACKER BOARD (CEMENT BOARD) ON ALL TILED AREAS. GREEN BOARD &/OR BLUE BOARD ARE PROHIBITED FROM USE ON THIS PROJECT.
- ASSEMBLE ALL RATED PARTITION TYPES PER UNDERWRITERS LABORATORY FIRE RESISTANCE RATING REQUIREMENTS.
- METALLIC BOXES LOCATED ON OPPOSITE SIDES OF PARTITIONS OR PARTITIONS SHOULD BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 IN. THIS MINIMUM SEPARATION DISTANCE BETWEEN METALLIC BOXES MAY BE REDUCED WHEN WALL-OPENING PROTECTIVE MATERIALS (CLIV) ARE INSTALLED ACCORDING TO THE REQUIREMENTS OF THEIR CERTIFICATION.
- METALLIC BOXES SHALL NOT BE INSTALLED ON OPPOSITE SIDE OF PARTITIONS OR PARTITIONS OF STAGGERED STUD CONSTRUCTION UNLESS WALL-OPENING PROTECTIVE MATERIALS ARE INSTALLED WITH THE METALLIC BOXES IN ACCORDANCE WITH CERTIFICATION REQUIREMENTS FOR THE PROTECTIVE MATERIALS.

PARTITION TAG NAMING MATRIX

1st NUMBER = FIRE RATING	FIRE RATING
0 = NON-RATED PARTITION TYPE	1 = 1-5/8" STUD
1 = 1 HR FIRE RATED PARTITION TYPE	2 = 2 HR FIRE RATED PARTITION TYPE
2nd NUMBER = PARTITION FINISH	PARTITION FINISH
A = GYPSUM BOARD - BOTH SIDES	C = ABUSE RESISTANT BOARD - 1 OR BOTH SIDES
B = CEMENTITIOUS BOARD - 1 OR BOTH SIDES	F = FURRING PARTITION
C = MASONRY PARTITION - CMU	M = MASONRY PARTITION - CMU
P = PLUMBING CHASE	S = SHAFT PARTITION
3rd NUMBER = PARTITION CORE THICKNESS / WIDTH	CORE THICKNESS/WIDTH
0 = 7/8" HAT CHANNEL	4 = 4" STUD
1 = 1-5/8" STUD	3 = 3-5/8" STUD OR 4" CMU BLOCK
2 = 2-1/2" STUD	6 = 6" STUD OR 5-5/8" CMU BLOCK
3 = 3-5/8" STUD OR 4" CMU BLOCK	8 = 8" STUD OR 7-5/8" CMU BLOCK
4 = 4" STUD	10 = 10" STUD OR 9-5/8" CMU BLOCK
5 = 5" STUD	12 = 12" STUD OR 11-5/8" CMU BLOCK



NOTE: ALL MULLIONS ARE 2" WIDE BY 4.5" DEEP U.O.N

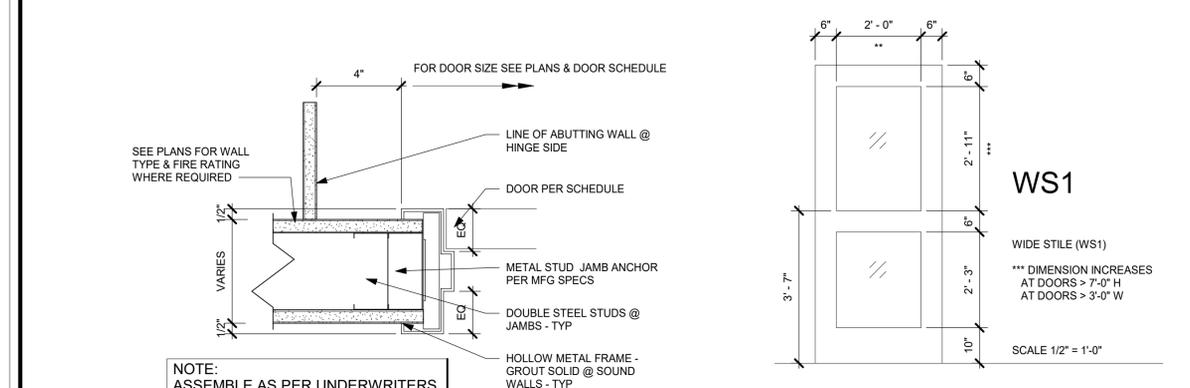


CHART OF DOOR RATINGS & UL LABEL

UL LABEL	RATING	RATING	MAX GLASS AREA
B	1 1/2 HR	90 MIN	100 SQ IN. PER LEAF
C	3/4 HR	45 MIN	1296 SQ IN. PER LEAF
S	SMOKE	SMOKE	

NOTE: GLAZING AND GLASS SIZES FOR INTERIOR DOORS AND WINDOWS ARE TO COMPLY WITH NFPA 80 OR ASTM E119 - TYP.

DOOR GENERAL NOTES

- GLAZING IN FIRE RATED DOORS SHALL BE FIRELITE PLUS TO MEET THE FIRE RATING SCHEDULED, UNLESS NOTED OTHERWISE. G.C. SHALL VERIFY SIZE OF REPLACEMENT DOORS & FRAMES IN THE EXISTING BUILDING BEFORE ORDERING.
- SEE SPEC. SECTION 08 71 00 FOR DOOR HARDWARE SETS, HARDWARE NOTES, COMPONENTS & OTHER INFORMATION. FACE OF ADJACENT WALL TO EDGE OF DOOR FRAME IS 4" (TYPICAL) U.O.N. SEE DETAILS A/A901

Mark	Level	# of Leaves	WI	HT	ELEV	Door Mat	Door Fin	Frame Mat	Frame Fin	Fire Rating (MIN)	HDWE SET	Comments
201B	2ND FLOOR	1	3'-0"	7'-0"	WS1	WD	ST	HM	PTD	45	3.0	WITH 45 MIN GLASS RATING
202	2ND FLOOR	1	3'-0"	7'-0"	WS1	WD	ST	HM	PTD		1.0	
202A	2ND FLOOR	1	3'-0"	7'-0"	WS1	WD	ST	HM	PTD		2.0	
202C	2ND FLOOR	1	3'-0"	7'-0"	WS1	WD	ST	HM	PTD		1.0	
301	3RD FLOOR	1	3'-0"	7'-0"	WS1	WD	ST	HM	PTD	45	3.0	WITH 45 MIN GLASS RATING
302	3RD FLOOR	1	3'-0"	7'-0"	WS1	WD	ST	HM	PTD		2.0	

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
-	AFF	ABOVE FINISHED FLOOR
-	AHC	ABOVE HUNG CEILING
-	BFP	BACK FLOW PREVENTOR
⌈	-	BALL VALVE
⊕	-	BUTTERFLY VALVE
⌋	-	CHECK VALVE
⊞	-	CIRCUIT SETTER
⌒	CODP	CLEAN OUT DECK PLATE
---	CW	COLD WATER
-	DCV	DOUBLE CHECK VALVE - BFP
⌋	-	ELBOW DOWN
⌈	-	ELBOW UP
---	DEM.	EXISTING TO BE REMOVED
---	EX.	EXISTING TO REMAIN
-	FCO	FLOOR CLEAN OUT
-	FS	FLOOR SINK
→	-	FLOW ARROW
-	FAI	FRESH AIR INTAKE
⌈	-	GATE VALVE
---	HW	HOT WATER
-	HW HTR	HOT WATER HEATER
---	HWC	HOT WATER RECIRCULATION
-	LDR	LEADER
⌈	-	MANUAL AIR VENT
---	NEW	NEW WORK
⌈	-	OS&Y GATE VALVE
⊕	-	PLUG VALVE
⌋	-	PIPE CAP
⊞	-	PRESSURE GAGE
⌋	-	PRESSURE REDUCING VALVE
⊞	-	PUMP
-	PD	PUMP DISCHARGE
-	RPZ	REDUCED PRESSURE ZONE - BFP
---	REL.	REMOVE AND RELOCATE
-	S	SANITARY
⌈	-	STRAINER
⊕	-	TEE DOWN
⊕	-	TEE UP
⊞	-	THERMOMETER
-	TYP.	TYPICAL
⌈	-	UNION
---	V	VENT
-	VTR	VENT THROUGH ROOF
-	W	WASTE
⌈	-	2-WAY VALVE
⌈	-	3-WAY VALVE

NOTE: FOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED IN THIS PROJECT.

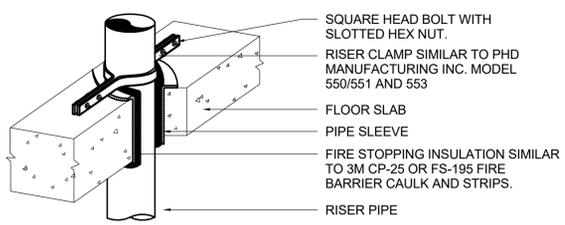
GENERAL NOTES

- THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS OF THE PLUMBING SYSTEMS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY BY THE PLUMBING CONTRACTOR, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE OWNER AND ENGINEER FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER AND ENGINEER. EQUIPMENT AND PIPING ARRANGEMENTS SHALL PROVIDE ADEQUATE AND ACCEPTABLE CLEARANCES FOR ENTRY, SERVICING, AND MAINTENANCE. ANY CHANGES TO PIPING AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST.
- THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING NEW YORK STATE PLUMBING AND BUILDING CODES. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
- CONNECTIONS TO EXISTING UTILITIES AND SERVICES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, INVERT ELEVATIONS, AND SIZES OF EXISTING PLUMBING SERVICES IN FIELD, AND SHALL CONNECT NEW PLUMBING SERVICES AS INDICATED ON DRAWINGS.
- PRIOR TO FABRICATION, THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB SITE, AND COORDINATE THIS WORK WITH THE WORK OF ALL OTHER TRADES.
- ALL ACCESS PANELS SHALL BE BY GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION.
- PROVIDE ALL PLUMBING FIXTURES, PIPING, VALVES AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION. ROUGHING DIMENSIONS OF FIXTURES MUST BE COORDINATED WITH THE GENERAL CONTRACTOR.
- PITCH ALL WASTE AND SANITARY PIPING AT MAXIMUM SLOPE POSSIBLE, BUT NOT LESS THAN 1/8" PER FOOT FOR PIPING ≥ 3" AND 1/4" PER FOOT FOR PIPING ≤ 2 1/2".
- NO PIPING SHALL RUN EXPOSED IN FINISHED AREAS.
- PROVIDE DIELECTRIC FITTINGS OR COUPLINGS WHEREVER DISSIMILAR METALS ARE JOINED.
- PROVIDE SHUTOFF VALVES AT ALL FIXTURES AND EQUIPMENT ON COLD WATER, AND HOT WATER PIPES.
- ALL WORK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED AND DISINFECTED. PROVIDE A ONE YEAR WARRANTY FROM DATE OF FINAL INSPECTION ON ALL PARTS AND LABOR.
- PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. PENETRATIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER POSSIBLE.
- THE PLUMBING CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, PAINTING, ACCESS PANELS, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF PLUMBING PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE PLUMBING WORK.
- NEW PIPING LAYOUT IS PREDICATED ON RECORD DRAWING DATA OF EXISTING RISERS AND DRAWINGS. MODIFICATIONS TO THE LAYOUT MAY BE REQUIRED DUE TO DIFFERENT ACTUAL CONDITIONS, OBSTRUCTIONS, INTERFERENCES, ETC.
- SEE THE ARCHITECTURAL DRAWINGS FOR EXACT PHASING AND TIME SCHEDULE FOR CONSTRUCTION.
- ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE PLUMBING CONTRACTOR FOR PLUMBING EQUIPMENT SHALL BE HEAVY DUTY TYPE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA.

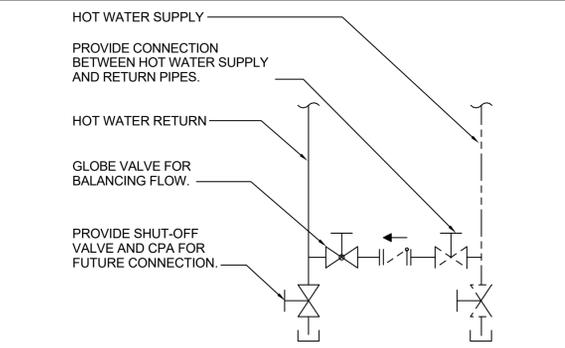
PLUMBING FIXTURE SCHEDULE

TAG	SYMBOLS		FIXTURES	PLUMBING CONNECTIONS				DESCRIPTION
	PLAN	ELEVATION		WASTE	VENT	COLD WATER	HOT WATER	
P-1			SINGLE BOWL SINK	1-1/2"	1-1/2"	1/2"	1/2"	KOHLER PINOIR MODEL K-2035-1, WALL MOUNTED, OVAL BASIN WITH OVERFLOW, SINGLE FAUCET HOLE, VITREOUS CHINA, ADA COMPLIANT, SINK FAUCET, DECK MOUNTED 8" FIXED CENTERS, 5-1/4" RESTRICTED SWING GOOSENECK SPOUT, 2.2 GPM VANDAL PROOF AERATOR, 4" VANDAL PROOF WRISTBLADE HANDLES, QUATURN COMPRESSION OPERATING CARTRIDGES, 1/2"NPSM SUPPLY INLETS AND COUPLING NUT. PROVIDE P-2 SOLIDS INTERCEPTOR.
P-2			SOLIDS INTERCEPTOR	AS NOTED	AS NOTED			JAY R. SMITH SOLID INTERCEPTOR MODEL 8730, SUSPENDED TYPE, ALUMINUM STRAINER, REMOVABLE STAINLESS STEEL SCREEN.

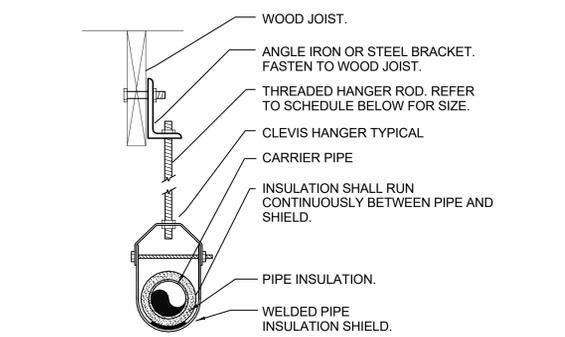
NOTES:
1. REFER TO ARCHITECTURE DRAWINGS FOR LOCATIONS AND ELEVATIONS.



3 VERTICAL PIPE SUPPORT DETAIL
SCALE: NONE



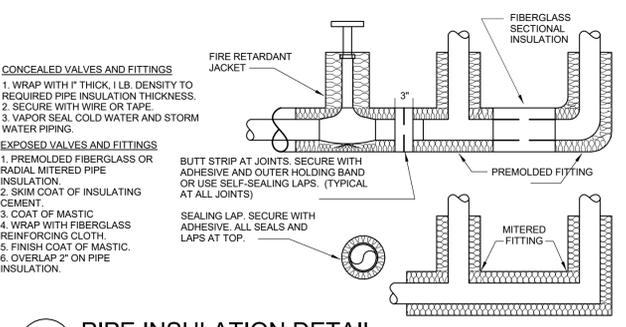
4 HOT WATER RECIRC CONNECTION DETAIL
SCALE: NONE



PIPE HANGER SCHEDULE					
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

- NOTES:**
- CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
 - FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
 - FOR NON-INSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
 - ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
 - FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.

1 PIPE HANGER DETAIL
SCALE: NONE



2 PIPE INSULATION DETAIL
SCALE: NONE

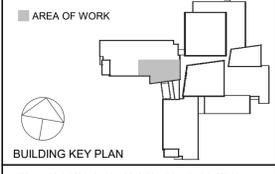
CHESTER ACADEMY STEM LAB ALTERATIONS
CHESTER UNION FREE SCHOOL DISTRICT
64 HAMBLETONIAN AVENUE
CHESTER, NY 10918

KG+D listen imagine build
ARCHITECTS PC
285 MAIN STREET MOUNT KISCO, NEW YORK, 10549
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.
44-02-01-02-0-009-006

CONSTRUCTION DOCUMENTS

OLA Consulting Engineers
50 Broadway,
Hawthorne, NY 10532
914.747.2600
8 West 38th Street,
Suite 501
New York, NY 10018
646.849.4110
olace.com



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEYER, GARMENT & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECTION 16-150 OF NEW YORK STATE LAW.

COPYRIGHT KAEYER, GARMENT - DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
3	11/02/2022	ISSUE FOR BID
2	06/16/2022	NYSED ADDENDUM #1
1	05/25/2022	CONSTRUCTION DOCUMENTS

Job No.	Date
NKGO0245.00	05/25/2022

PLUMBING SYMBOLS & GENERAL NOTES

Scale	Drawn / Checked
AS NOTED	BS / RJ

Sheet Number
P001

**CHESTER ACADEMY
STEM LAB
ALTERATIONS**
CHESTER UNION FREE
SCHOOL DISTRICT

64 HAMBLETONIAN AVENUE
CHESTER, NY 10918

KG+D listen imagine build
KG+D . ARCHITECTS PC
 285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
 P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.
44-02-01-02-0-009-006

**CONSTRUCTION
DOCUMENTS**

OLA Consulting Engineers
 50 Broadway,
 Hawthorne, NY 10532
 914.747.2600
 8 West 38th Street,
 Suite 501
 New York, NY 10018
 646.849.4110
 olace.com



■ AREA OF WORK
 BUILDING KEY PLAN

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEYER, GARMENT & DAVIDSON ARCHITECTS, PC (KGAD), AND THESE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.
 WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.
 ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VIL § 6501 OF NEW YORK STATE LAW.
 COPYRIGHT KAEYER, GARMENT - DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

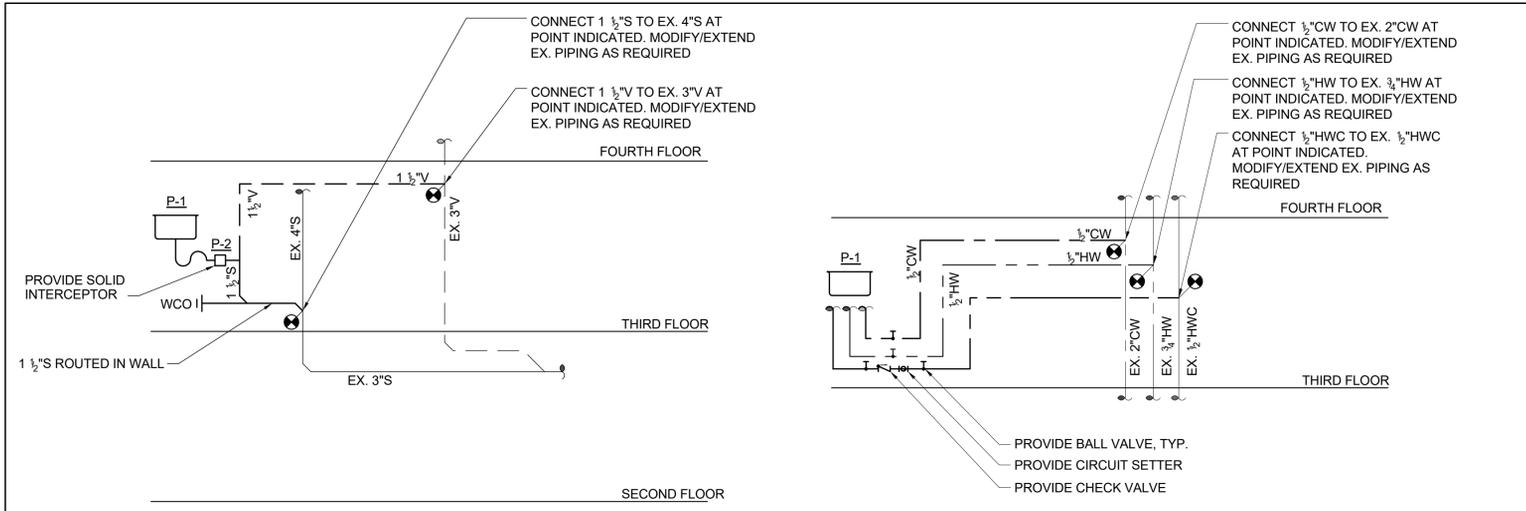
3	11/02/2022	ISSUE FOR BID
2	06/16/2022	NYSED ADDENDUM #1
1	05/25/2022	CONSTRUCTION DOCUMENTS
No.	Date	Issue

**PLUMBING NEW
WORK PLANS**

Job No.	NKGO0245.00	Date	05/25/2022
Scale	AS NOTED	Drawn / Checked	BS / RJ
Sheet Number	P201		

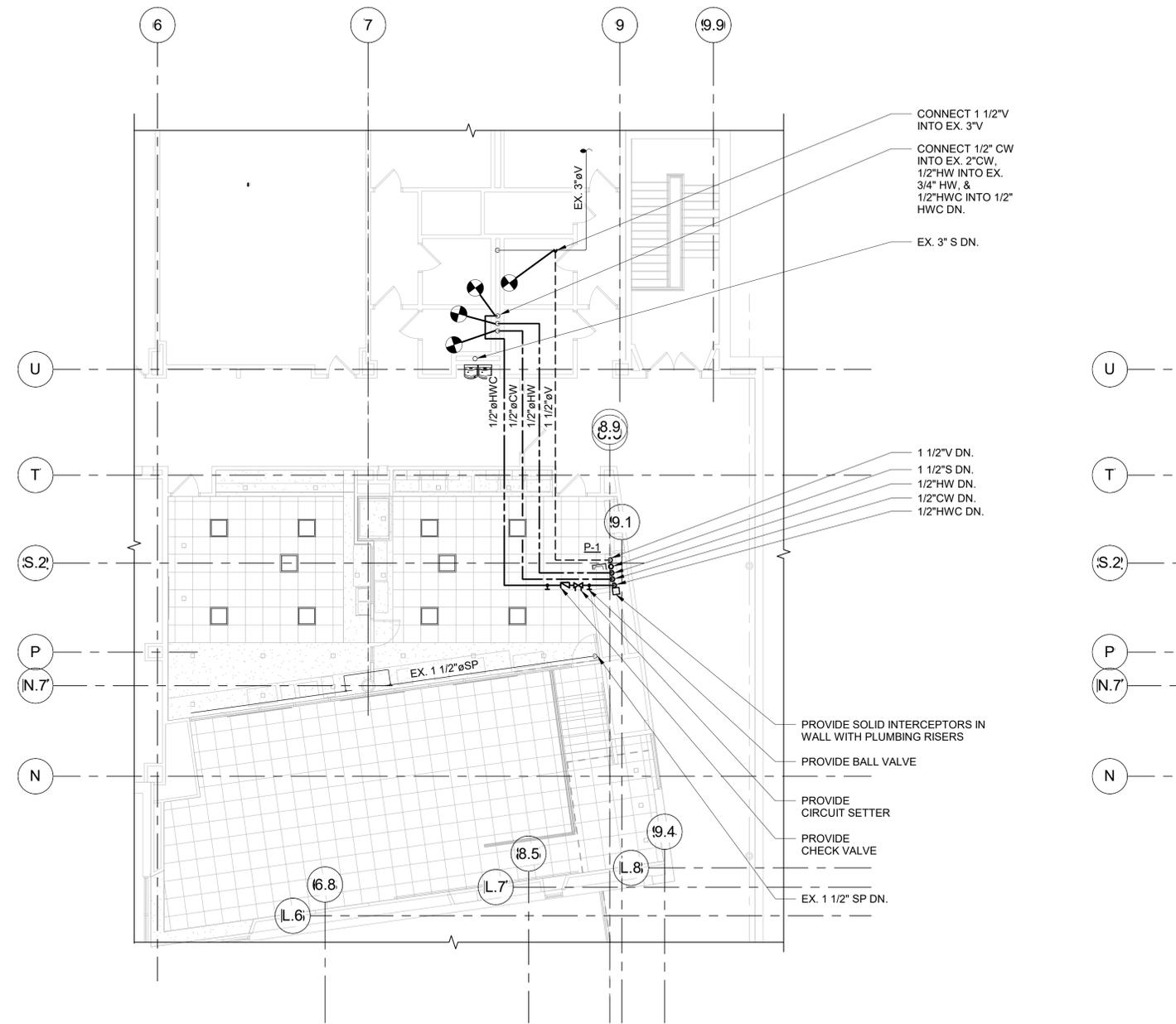
TAG	SYMBOLS		FIXTURES	PLUMBING CONNECTIONS				DESCRIPTION
	PLAN	ELEVATION		WASTE	VENT	COLD WATER	HOT WATER	
P-1			SINGLE BOWL SINK	1-1/2"	1-1/2"	1/2"	1/2"	KOHLER PINOIR MODEL K-2035-1, WALL MOUNTED, OVAL BASIN WITH OVERFLOW, SINGLE FAUCET HOLE, VITREOUS CHINA, ADA COMPLIANT. SINK FAUCET, DECK MOUNTED 8" FIXED CENTERS, 5-1/4" RESTRICTED SWING GOOSENECK SPOUT, 2.2 GPM VANDAL PROOF AERATOR, 4" VANDAL PROOF WRISTBLADE HANDLES, QUATRN COMPRESSION OPERATING CARTRIDGES, 1/2" NPSM SUPPLY INLETS AND COUPLING NUT. PROVIDE P-2 SOLIDS INTERCEPTOR.
P-2			SOLIDS INTERCEPTOR	AS NOTED	AS NOTED			JAY R. SMITH SOLIDS INTERCEPTOR MODEL 8730, SUSPENDED TYPE, ALUMINUM STRAINER, REMOVABLE STAINLESS STEEL SCREEN.

NOTES:
1. REFER TO ARCHITECTURE DRAWINGS FOR LOCATIONS AND ELEVATIONS.

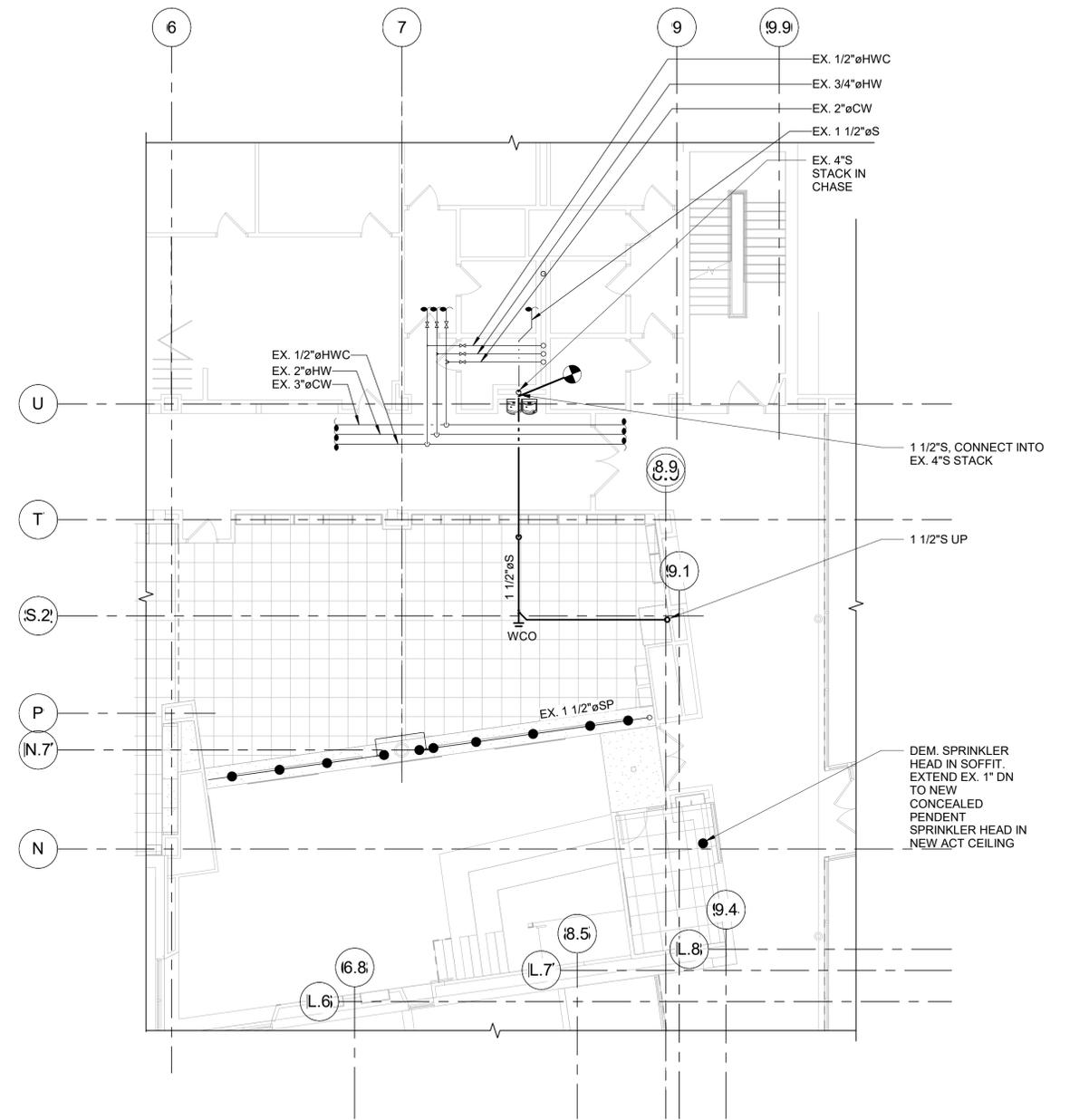


3 PLUMBING - SANITARY RISER DIAGRAM
SCALE: NONE

4 PLUMBING - DOMESTIC WATER RISER DIAGRAM
SCALE: NONE



2 PLUMBING THIRD FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'-0"
NORTH



1 PLUMBING SECOND FLOOR NEW WORK PLAN
SCALE: 1/8" = 1'-0"
NORTH

SYMBOL & ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION
-	AD	ACCESS DOOR	— — — — —	EX.	EXISTING TO REMAIN
-	AFF	ABOVE FINISHED FLOOR	- - - - -	REL.	REMOVE AND RELOCATE
-	AHC	ABOVE HUNG CEILING	—————	NEW	NEW WORK
-	AP	ACCESS PANEL	- - - - -	DEM.	EXISTING TO BE REMOVED
-	BTU	BRITISH THERMAL UNIT	— D —	-	DRAIN
-	CFM	CUBIC FEET PER MINUTE	— HWS —	HWS	HOT WATER SUPPLY
-	CL	CENTERLINE	— HWR —	HWR	HOT WATER RETURN
-	DIA. OR Ø	DIAMETER			
-	EA	EXHAUST AIR	Ⓟ	-	THERMOSTAT
-	EAT	ENTERING AIR TEMPERATURE	Ⓜ	-	MOTORIZED DAMPER
-	EF-	EXHAUST FAN	Ⓢ	-	SMOKE DETECTOR
-	EL	ELEVATION	±	-	AIR INTO REGISTER
-	ER	EXHAUST REGISTER	⊙	-	POINT OF CONNECTION DISCONNECTION
-	ESP	EXTERNAL STATIC PRESSURE	⊥	TR	TOP REGISTER SUPPLY
-	GPM	GALLONS PER MINUTE	⊥	TR	TOP REGISTER RETURN
-	HVAC-	HEATING, VENTILATING AND AIR CONDITIONING UNIT	⊗	SR	SUPPLY REGISTER
-	LF	LINEAR FEET	⊗	CD	1-WAY
-	MBH	1000 BRITISH THERMAL UNITS PER HOUR	⊗	CD	2-WAY
-	MER	MECHANICAL EQUIPMENT ROOM	⊗	CD	2-WAY
-	NC	NORMALLY CLOSED	⊗	CD	3-WAY
-	NIC	NOT IN CONTRACT	⊗	CD	4-WAY
-	NO	NORMALLY OPEN	⊗	*CD	RELOCATED CEILING DIFFUSER
-	OAI	OUTSIDE AIR INTAKE	⊗	LD	LINEAR DIFFUSER
-	RA	RETURN AIR	⊗	RR/RG	RETURN REGISTER/GRILLE
-	RF-	RETURN FAN	⊗	*RR/RG	RELOCATED RETURN REGISTER/GRILLE
-	RPM	REVOLUTIONS PER MINUTE	⊗	VAV	VAV BOX
-	RTU-	ROOFTOP UNIT	⊗	VAV	VAV BOX WITH REHEAT
-	SA	SUPPLY AIR	⊗	CV	CONSTANT VOLUME BOX
-	SP	STATIC PRESSURE	⊗	-	SUPPLY DUCT UP
-	TD	TRANSFER DUCT	⊗	-	SUPPLY DUCT DOWN
-	TSP	TOTAL STATIC PRESSURE	⊗	-	RETURN DUCT UP
-	TYP.	TYPICAL	⊗	-	RETURN DUCT DOWN
-	U.O.N.	UNLESS OTHERWISE NOTED	⊗	-	TRANSITION FROM SQUARE TO ROUND DUCT
-	WG	INCHES OF WATER GAUGE	⊗	-	TRANSITION
-	WMS	WIRE MESH SCREEN	⊗	-	DUCT DROP
			⊗	-	DUCT RISE
⊗		2-WAY VALVE	⊗	-	SQUARE VANED ELBOW
⊗		GATE VALVE	⊗	-	DUCT RISE
⊗		GLOBE VALVE	⊗	-	DUCT DROP
⊗		TEE DOWN	⊗	-	DUCT TRANSITION
⊗		ELBOW DOWN	⊗	AL	ACOUSTIC LINING
⊗		TEE UP	⊗	FD/AD	FIRE DAMPER W/ ACCESS DOOR
⊗		ELBOW UP	⊗	SD/AD	SMOKE DAMPER W/ ACCESS DOOR
⊗		CONCENTRIC REDUCER	⊗	CFSD	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS DOOR
⊗		ECCENTRIC REDUCER	⊗	VD	VOLUME DAMPER
⊗		PIPE GUIDE	⊗	AL	ACOUSTIC LINING
⊗		PIPE ANCHOR	⊗	-	DUCT SIZE - 1ST FIGURE IS SIDE SHOWN
⊗		STRAINER	⊗	FC	FLEXIBLE CONNECTION
⊗		FLOW ARROW	⊗		
⊗		BALANCING VALVE	⊗		SECTION CALLOUT
⊗		MANUAL AIR VENT	⊗		
⊗		AUTO AIR VENT	⊗	-	CEILING DIFFUSER
⊗		ANGLE GLOBE VALVE	⊗	-	EXHAUST REGISTER
⊗		ANGLE GATE VALVE	⊗	-	RETURN REGISTER
⊗		BALL VALVE	⊗	-	SUPPLY REGISTER
⊗		CHECK VALVE	⊗	-	TOP REGISTER
⊗		UNION	⊗	-	VARIABLE AIR VOLUME BOX

GENERAL NOTES

- CONTRACT DRAWINGS, AS FAR AS THEY RELATE TO THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, SHEET METAL, AND PIPING, SHALL BE UNDERSTOOD AS DIAGRAMMATIC. ANY CHANGES TO EQUIPMENT, SHEET METAL, AND PIPING LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST, AND MUST BE APPROVED BY THE ENGINEER.
- THE MECHANICAL CONTRACTOR SHALL INSTALL FIRE DAMPERS WITH ACCESS DOORS IN ALL DUCTS PENETRATING FIRE RATED WALLS, WHETHER SPECIFICALLY SHOWN ON THE DRAWINGS OR NOT.
- THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL VOLUME DAMPERS IN DUCTWORK AS REQUIRED TO BALANCE THE AIRFLOW AT ALL REGISTERS AND DIFFUSERS TO THE CFMS INDICATED ON PLAN, WHETHER SPECIFICALLY SHOWN ON THE DRAWINGS OR NOT.
- THE MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE BEGINNING OF WORK, AND SHALL COORDINATE ALL WORK WITH OTHER TRADES.
- DUCT DIMENSIONS SHOWN ON MECHANICAL DRAWINGS REFER TO INSIDE CLEAR DUCT DIMENSIONS. WHERE DUCTWORK IS LINED, THE MECHANICAL CONTRACTOR SHALL INCREASE THE SIZE OF DUCT TO COMPENSATE FOR LINING.
- LOCATE THERMOSTATS AND TEMPERATURE SENSORS 5'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. COORDINATE LOCATION WITH FURNITURE, CABINETS, ETC. & WITH ARCHITECTURAL DRAWINGS.
- COORDINATE DUCTWORK, GRILLE, DIFFUSER AND REGISTER LOCATIONS WITH LIGHTS, SMOKE DETECTORS, AND THE ARCHITECTURAL PLANS.
- THE MECHANICAL CONTRACTOR SHALL NOTE THAT, IN ADDITION TO THE SPECIFICATIONS AND DETAILS GIVEN IN THESE PLANS FOR PIPE HANGERS AND SUPPORTS, ALL HANGERS AND SUPPORTS SHALL BE DESIGNED AND INSTALLED IN COMPLIANCE WITH APPLICABLE SEISMIC CODES.
- THE MECHANICAL CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES, INDICATING DUCTWORK, PLUMBING AND SPRINKLER PIPING, SMOKE DETECTORS, LIGHTS, CONDUITS, SMOKE DETECTORS, DIFFUSERS, GRILLES, ETC.
- ALL WORK SHALL COMPLY WITH STATE BUILDING CODE, LOCAL BUILDING CODE, AND ENERGY CODE REQUIREMENTS. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
- DURING CONSTRUCTION, ALL OPEN OR INCOMPLETE DUCTWORK SHALL BE CAPPED AIRTIGHT WITH HEAVY POLYETHYLENE PLASTIC. AFTER THE INSTALLATION OF DUCTWORK, REGISTERS, GRILLES, AND DIFFUSERS, THE CONTRACTOR SHALL BLANK OFF ALL REGISTERS, GRILLES, AND DIFFUSERS WITH HEAVY POLYETHYLENE PLASTIC AND TAPE AIR TIGHT, IN AREAS THAT ARE UNDER CONSTRUCTION, UNTIL WORK IS COMPLETE IN THOSE AREAS.
- WHEN GENERAL CONSTRUCTION IS COMPLETE, VACUUM CLEAN ALL DIFFUSERS, REGISTERS, GRILLES, AND HVAC EQUIPMENT. REMOVE ANY CONSTRUCTION DEBRIS. REPLACE ALL AIR FILTERS WITH NEW.
- THE OWNER'S PERMANENT HVAC EQUIPMENT (EXISTING / NEW) SHALL NOT BE USED BY ANY CONTRACTOR DURING CONSTRUCTION FOR TEMPORARY HEATING, COOLING, VENTILATION, OR ANY OTHER PURPOSE. IF TEMPORARY HEATING, COOLING, VENTILATION, OR AIRFLOW IS REQUIRED AT ANY POINT DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TEMPORARY HEATING, COOLING, OR VENTILATION EQUIPMENT, DUCTWORK, CONTROLS, AND POWER AT THEIR OWN EXPENSE.
- WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF MECHANICAL WORK, INCLUDING THE INSTALLATION OF HANGERS FOR PIPING, DUCTWORK, OR EQUIPMENT, SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, ACCESS PANELS, PAINTING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF HVAC DUCTWORK, CONTROL CONDUITS, AND PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE MECHANICAL WORK.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANING OF ALL EXISTING SUPPLY AIR DUCTWORK WITHIN THE PROJECT AREA.
- ALL HVAC CONTROL WIRING SHALL BE RUN IN EMT.
- ALL EQUIPMENT, MATERIALS, PRODUCTS, ETC., USED/INSTALLED ABOVE THE CEILING SHALL BE PLENUM RATED.
- DESIGN LOAD HAS BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN CHAPTERS 27 AND 28 OF THE ASHRAE HANDBOOK OF FUNDAMENTALS.

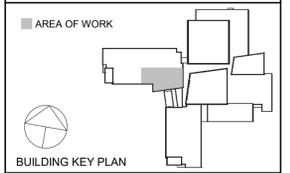
**CHESTER ACADEMY
STEM LAB
ALTERATIONS**
CHESTER UNION FREE
SCHOOL DISTRICT
64 HAMBLETONIAN AVENUE
CHESTER, NY 10918

KG+D listen imagine build
KG+D . ARCHITECTS PC
 285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
 P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.
44-02-01-02-0-009-006

CONSTRUCTION DOCUMENTS

OLA Consulting Engineers
 50 Broadway,
 Hawthorne, NY 10532
 914.747.2600
 8 West 38th Street,
 Suite 501
 New York, NY 10018
 646.849.4110
 olace.com



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEYER, GARMENT & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE V§ 2-160 OF NEW YORK STATE LAW.

COPYRIGHT KAEYER, GARMENT - DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

3	11/02/2022	ISSUE FOR BID
2	06/16/2022	NYSED ADDENDUM #1
1	05/25/2022	CONSTRUCTION DOCUMENTS

No. Date Issue

Sheet Title

**MECHANICAL
SYMBOLS AND
GENERAL NOTES**

Job No.	NKGO0245.00	Date	05/25/2022
Scale	AS NOTED	Drawn / Checked	Author Checker

Sheet Number
M001

VARIABLE AIR VOLUME BOX SCHEDULE

DESIGNATION	VAV-1	VAV-2
INLET SIZE	8"Ø	6"Ø
MINIMUM CFM	100	65
AVAILABLE RANGE (CFM)	100 - 150	65 - 100
MAX. DESIGN CFM	150	100

NOTES:
 1. VAV BOXES BASED ON TITUS MODEL DESV.
 2. VAV BOXES SHALL BE SINGLE DUCT, COOLING ONLY OR COOLING/ELECTRIC HEATING AS INDICATED WITH DIGITAL ELECTRONIC PRESSURE INDEPENDENT CONTROLS.
 3. BOXES SHALL BE PROVIDED WITH SHEETMETAL CONTROL ENCLOSURE BY TERMINAL MANUFACTURER.
 4. AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL ALL VAV BOX CONTROLS
 5. AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL DISCONNECT SWITCH AND TRANSFORMER FOR EACH BOX, BOX SHALL BE U.L. LISTED AND LABELED.
 6. MAXIMUM RADIATED NC< 30, MAXIMUM DISCHARGE NC< 28.
 7. BOXES SHALL HAVE 1" ACOUSTIC LINING.

VENTILATION AIR SCHEDULE

HVAC UNIT	FLOOR	ROOM NUMBER	ROOM NAME	GROSS AREA (SQ.FT.)	NO. OF OCCUPANTS PER 1000 SQ.FT. (4)	NO. OF OCCUPANTS (4)	MIN. CODE OUTDOOR AIR REQUIREMENT (BASED ON CFM PER PERSON) (2)	MIN CODE OUTDOOR AIR REQUIREMENT (BASED ON SQ.FT.) (3)	DESIGN SUPPLY AIR (CFM)	DESIGN OUTDOOR AIR (CFM)
AHU-2	SECOND	201	LIBRARY	2050	10	21	105	250	2850	355
AHU-2	SECOND	201A	DESIGN COLLAB	830	35	30	300	100	800	400
AHU-2	SECOND	201B	COLLAB	145	50	8	40	10	100	50
AHU-2	SECOND	202	COLLAB	125	50	7	35	10	100	45
AHU-2	SECOND	202A	WORKROOM	570	35	20	200	70	850	270
AHU-2	SECOND	202B	COLLAB	130	50	7	35	10	150	45
AHU-2	THIRD	301	PRODUCTION LAB	605	35	22	220	75	600	295
AHU-2	THIRD	302	PRODUCTION CLASSROOM	585	35	21	210	70	600	280

MINIMUM CODE REQUIREMENTS:

1.) THE VENTILATION AIR SCHEDULE ABOVE MEETS OR EXCEEDS THE REQUIREMENTS FOR ALL SPACES BASED ON THE MECHANICAL CODE OF THE STATE OF NEW YORK, TABLE 403.3.

2.) THE MINIMUM OUTDOOR AIR REQUIREMENT PER PERSON:
 AUDITORIUM = 15 CFM PER PERSON
 CAFETERIA = 20 CFM PER PERSON
 CLASSROOMS = 15 CFM PER PERSON
 CONFERENCE ROOMS = 20 CFM PER PERSON
 GYMNASIUM = 20 CFM PER PERSON
 LIBRARY = 20 CFM PER PERSON
 NURSING ROOM = 25 CFM PER PERSON
 MUSIC CLASSROOM = 15 CFM PER PERSON
 OFFICE SPACES = 20 CFM PER PERSON
 RECEPTION AREA = 15 CFM PER PERSON
 SCIENCE CLASSROOMS = 20 CFM PER PERSON
 STAGE = 15 CFM PER PERSON
 THEATER LOBBY = 20 CFM PER PERSON
 TOILET ROOMS = 75 CFM PER WATER CLOSET OR URINAL

3.) THE MINIMUM OUTDOOR AIR REQUIREMENT PER/SF:
 CORRIDORS = 0.1 CFM PER/SF
 LOCKER ROOMS = 0.50 CFM PER/SF
 STORAGE = 0.15 CFM PER/SF

4.) THE NUMBER OF OCCUPANTS IS BASED ON THE LOCAL SCHOOL DISTRICT ALLOWABLE CLASS SIZE, OR THE NUMBER OF PEOPLE PER SQ.FT. AS PER THE NY STATE MECHANICAL CODE, TABLE 403.3.

5.) IN ROOMS WITH A PEAK OCCUPANCY OF LESS THAN THREE HOURS DURATION, THE OUTDOOR AIR VENTILATION RATE IS DETERMINED ON THE BASIS OF AVERAGE OCCUPANCY OVER THE DURATION OF THE OPERATION OF THE SYSTEM, OR NO LESS THAN FIFTY PERCENT OF MAXIMUM OCCUPANCY, WHICHEVER IS GREATER, AS PER ASHRAE 62, SECTION 6.1.3.4.

6.) THE SAMPLE CALCULATION BELOW IS FOR THE JUNIOR AUDITORIUM:
 No. OF OCCUPANTS = 111
 AVERAGE OCCUPANCY = 56 [NOTE 5]
 OUTDOOR AIR REQUIREMENT = 15 CFM PER OCCUPANT
 MIN CODE OUTDOOR AIR REQUIREMENT = 56 x 15 = 840 CFM

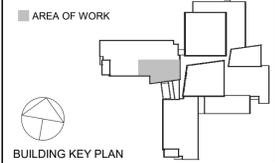
CHESTER ACADEMY STEM LAB ALTERATIONS
 CHESTER UNION FREE SCHOOL DISTRICT
 64 HAMBLETONIAN AVENUE
 CHESTER, NY 10918

KG+D listen imagine build
KG+D . ARCHITECTS PC
 285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
 P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.
44-02-01-02-0-009-006

CONSTRUCTION DOCUMENTS

OLA Consulting Engineers
 50 Broadway,
 Hawthorne, NY 10532
 914.747.2800
 8 West 38th Street,
 Suite 501
 New York, NY 10018
 646.849.4110
 olace.com



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAHEY, GARMENT & DAVIDSON ARCHITECTS, PC (KGD&D), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGD&D.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VIL SECT. 64-01(b) OF NEW YORK STATE LAW.
 COPYRIGHT KAHEY, GARMENT - DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

No.	Date	Issue
3	11/02/2022	ISSUE FOR BID
2	06/16/2022	NYSED ADDENDUM #1
1	05/25/2022	CONSTRUCTION DOCUMENTS

Sheet Title

MECHANICAL SCHEDULES

Job No.	NKGO0245.00	Date	07/09/15
Scale	AS NOTED	Drawn / Checked	Author Checker
Sheet Number	M601		

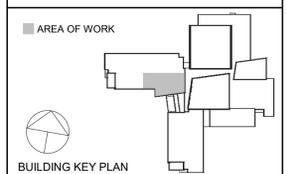
**CHESTER ACADEMY
STEM LAB
ALTERATIONS**
CHESTER UNION FREE
SCHOOL DISTRICT
64 HAMBLETONIAN AVENUE
CHESTER, NY 10918

KG+D listen
imagine
build
KG+D . ARCHITECTS PC
285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.
44-02-01-02-0-009-006

**CONSTRUCTION
DOCUMENTS**

OLA Consulting Engineers
50 Broadway,
Hawthorne, NY 10532
914.747.2800
8 West 38th Street,
Suite 501
New York, NY 10018
646.849.4110
olace.com



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEYER, GARIBOLDI, & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KGAD).

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS, AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL, BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECT. 49.5 (b) OF NEW YORK STATE LAW.
COPYRIGHT KAEYER, GARIBOLDI & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

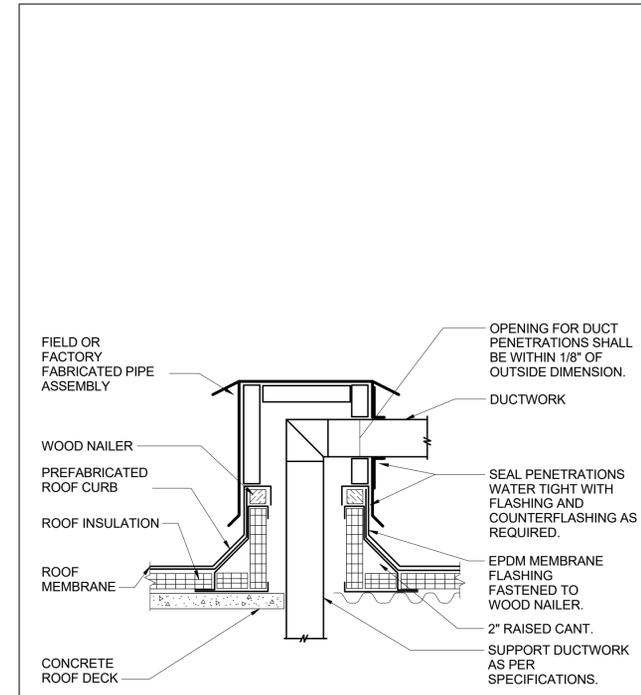
No.	Date	Issue
3	11/02/2022	ISSUE FOR BID

Sheet Title

**MECHANICAL
DETAILS 2 OF 2**

Job No. NKG0245.00	Date 07/09/15
Scale AS NOTED	Drawn / Checked Author Checker

Sheet Number
M702



- NOTES:**
1. PREFABRICATED ROOF CURB AND BOX ASSEMBLY BASED ON CUSTOM CURB INC. MODEL CPBA-1 CUSTOM ROOF CURB BOX ASSEMBLY WITH 1.5 INCH THICK 3.5 POUND RIGID INSULATION, 18 GAGE GALVANIZED STEEL SHELL AND BASE PLATE, AND 0.050 ALUMINUM PIPE BOX.
 2. CONTRACTOR SHALL PROVIDE ALL FLASHING, COUNTERFLASHING, AND ANY OTHER MATERIALS AND LABOR NECESSARY TO ENSURE A WATERTIGHT ROOF PENETRATION ENCLOSURE.
 3. ALL WORK ON THE EXISTING ROOF MUST BE PERFORMED BY AN AUTHORIZED CONSULTANT/APPLICATOR FOR THE ROOFING SYSTEM TO MAINTAIN THE EXISTING WARRANTY.

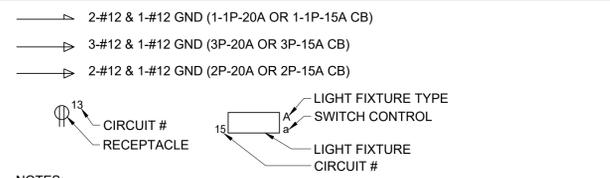
9 ROOF DUCT BOX DETAIL
SCALE: NONE

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION
	-	CONDUIT AND WIRING		-	PUSHBUTTON
	-	CONDUIT & WIRING TO BE REMOVED UON		-	ELECTRIC HAND DRYER
	-	HOMERUN TO PANEL, ARROWS INDICATE # 1P		EPO	EMERGENCY POWER OFF SWITCH
	-	MULTI-POLE HOMERUN		CB	CIRCUIT BREAKER
	-	ELECTRICAL EQUIPMENT AS INDICATED		-	ENCLOSED CIRCUIT BREAKER
	-	ELECTRICAL EQUIPMENT TO BE REMOVED UON		-	FUSED SWITCH
	-	ELECTRIC METER		GEN	GENERATOR
	-	JUNCTION BOX		-	GENERATOR RECEPTACLE
	-	FUSED DISCONNECT SWITCH		GND	GROUND AS PER LOCAL CODE
	-	UNFUSED DISCONNECT SWITCH		-	GROUND ROD
	-	COMBINATION MOTOR STARTER/FUSED DISC.		-	TRANSFER SWITCH
	-	MOTOR STARTER		XFMR	TRANSFORMER
	-	MOTOR		CT	CURRENT TRANSFORMER
	-	BATTERY WALL PACK EMERGENCY LIGHT FIXTURE		MD	MOTORIZED DAMPER
	-	EXIT LIGHT, FACES-SHADED, CHEVRON-ARROW		SD OR CFSD	SMOKE DAMPER
	-	SINGLE POLE SWITCH (x - INDICATES FIXTURE BEING CONTROLLED)		UH	UNIT HEATER
	-	THREE WAY SWITCH (x - INDICATES FIXTURE BEING CONTROLLED)		VAV	VARIABLE AIR VOLUME BOX
	-	ACUITY nLIGHT WALLPOD LOW VOLTAGE SWITCH WITH DIMMING: nPODMA DX WH (x - INDICATES FIXTURES BEING CONTROLLED)		A	AMPERE(S)
	-	MOTOR RATED TOGGLE SWITCH		AC	AIR CONDITIONER
	-	WALL MOUNTED OCCUPANCY SENSOR		AFF	ABOVE FINISHED FLOOR
	-	ACUITY nLIGHT OCCUPANCY SENSOR CEILING MTD		AF	AMPERAGE OF FUSE
	-	DUPLEX RECEPTACLE (U - INDICATES DUPLEX OUTLET WITH USB TYPE C PORTS, GFI - INDICATES GROUND FAULT INTERRUPTER)		AGL	ABOVE GRADE LEVEL
	-	DUPLEX RECEPTACLE (U - INDICATES DUPLEX OUTLET WITH USB TYPE C PORTS, GFI - INDICATES GROUND FAULT INTERRUPTER)		AHU	AIR HANDLING UNIT
	-	DOUBLE DUPLEX RECEPTACLE		AL	ALUMINIUM
	-	SPECIAL RECEPTACLE		ARC	ARC FAULT INTERRUPTER
	-	COMBINATION TELEPHONE/DATA OUTLET		AS	AMPERAGE OF SWITCH
	-	FLOOR MOUNTED DEVICE AS INDICATED ON PLANS		ATS	AUTOMATIC TRANSFER SWITCH
	-	COMBINATION DATA & TV OUTLET		AWG	AMERICAN WIRE GAUGE
	-	TV OUTLET		BCW	BARE COPPER WIRE
	-	FIRE ALARM MANUAL PULL STATION		BLDG	BUILDING
	-	FIRE ALARM COMBINATION SPEAKER/VISUAL DEVICE (15/75 CD - STROBE)		C	CONDUIT
	-	FIRE ALARM CEILING MOUNTED SPEAKER		CD	CANDELA
	-	SMOKE DETECTOR. EL - ELEVATOR LOBBY; SH - SMOKE HATCH; SC - PLENUM RATED ABOVE CEILING		CKT	CIRCUIT
	-	DUCT MOUNTED SMOKE DETECTOR		CLG	CEILING
	-	HEAT DETECTOR		COL	COLUMN
	-	CARBON MONOXIDE DETECTOR		CU	COPPER
	-	FIRE ALARM BELL		CUH	CABINET UNIT HEATER
	-	FIRE ALARM TAMPER SWITCH		DEM.	DEMOLISH AND REMOVE
	-	FIRE ALARM WATER FLOW SWITCH		DISC	DISCONNECT
	-	FIRE ALARM DOOR RELEASE		DIM	DIMMER
	-	FIRE ALARM ANNUNCIATOR PANEL		DWG	DRAWING
	CM	FIRE ALARM CONTROL MODULE		ELEV	ELEVATOR
	MM	FIRE ALARM MONITORING MODULE		EMT	ELECTRICAL METALLIC TUBING
	FACP	FIRE ALARM CONTROL PANEL		EM	EMERGENCY
	BPS	BOOSTER POWER SUPPLY		EX.	EXISTING TO REMAIN
	DGP	DATA GATHERING PANEL		F	FLOOR
	FSS	FIRE SUPPRESSION SYSTEM PANEL		FBO	FURNISHED BY OTHERS
	-	FIRE ALARM RELAY		GEN	GENERATOR
	EOL	END OF LINE RESISTOR		GFI	GROUND FAULT INTERRUPTER
	-	WALL MOUNTED PUBLIC ADDRESS SPEAKER		HP	HORSEPOWER
	-	PUBLIC ADDRESS TELEPHONE		HVAC	HEATING VENTILATION AIR CONDITIONING
	-	CEILING MOUNTED PUBLIC ADDRESS SPEAKER		IG	ISOLATED GROUND
	-	PUBLIC ADDRESS BELL		IMC	INTERMEDIATE METAL CONDUIT
				KVA	KILO-VOLT-AMPERE
				KW	KILO-WATT
				MAX	MAXIMUM
				MCB	MAIN CIRCUIT BREAKER
				MIN	MINIMUM

NOTES:
 1. ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE APPLICABLE FOR THIS PROJECT.
 2. SEE LIGHTING FIXTURE SCHEDULE FOR LIGHT FIXTURE SYMBOLS.

TYPICAL BRANCH CIRCUIT WIRING LEGEND



NOTES:
 1. EACH 120V AND 277V CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. SHARED NEUTRAL HOMERUNS ARE NOT PERMITTED.
 2. CONDUCTORS SHALL BE INCREASED FOR VOLTAGE DROP AND DERATING AS PER APPLICABLE ELECTRICAL CODE. FOR CIRCUITS THAT ARE BETWEEN 100' AND 150' IN LENGTH, PHASE AND NEUTRAL CONDUCTORS SHALL BE #10 AWG. FOR CIRCUITS THAT ARE BETWEEN 150' AND 225' IN LENGTH, PHASE AND NEUTRAL CONDUCTORS SHALL BE #8 AWG. FOR LENGTHS GREATER THAN 225' IN LENGTH, VERIFY CONDUCTOR SIZES WITH ENGINEER.

GENERAL NOTES

- ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
- THE DRAWINGS ARE TO BE CONSIDERED SCHEMATIC ONLY AND DO NOT NECESSARILY SHOW THE EXACT LOCATIONS AND DETAILS OF THE WORK TO BE INSTALLED.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING ALL FEES ASSOCIATED WITH THIS WORK INCLUDING FILING WITH THE UTILITY COMPANY (AS REQUIRED), AND WITH LOCAL AUTHORITY HAVING JURISDICTION.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO HIRE A THIRD PARTY ELECTRICAL INSPECTION AGENCY TO PROVIDE UL INSPECTIONS AND SUBMIT A CERTIFICATE OF INSPECTION PRIOR TO FINAL REQUEST FOR PAYMENT.
- ALL WORK SHALL COMPLY WITH 2020 NEW YORK STATE BUILDING CODE, 2020 NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE AND 2017 NATIONAL ELECTRICAL CODE. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
- ALL CONDUCTORS SHALL BE COPPER UON "ON DRAWINGS".
- ELECTRONIC FILES OF THE ELECTRICAL DRAWINGS ARE AVAILABLE TO THE CONTRACTOR. THE ENGINEER MAY GRANT THE CONTRACTOR A LIMITED LICENSE TO MAKE A DERIVATIVE WORK OF THE DATABASE FOR THE PURPOSE OF SHOP DRAWINGS, SUBMITTALS AND AS-BUILT DRAWINGS. UPON REQUEST, THE ENGINEER SHALL PROVIDE A RELEASE FORM THAT MUST BE SIGNED AND RETURNED BY THE CONTRACTOR PRIOR TO RELEASE OF THE ELECTRONIC FILES.
- CIRCUIT NUMBERS ARE FOR INFORMATION PURPOSES ONLY. ACTUAL CIRCUIT NUMBERS SHALL BE DETERMINED IN THE FIELD.
- CORE DRILLING OR TRENCHING THROUGH AN EXISTING FLOOR SLAB, WHEN REQUIRED, SHALL BE COORDINATED WITH THE OWNER. FLOOR SLABS SHALL BE RADAR SCANNED PRIOR TO CORE DRILLING OR TRENCHING. ALL WORK, INCLUDING CORE DRILLING, RADAR SCAN, INSTALLATION OF FIRE STOPPING, & CONDUIT/CABLE INSTALLATION SHALL BE PERFORMED DURING NON-BUSINESS HOURS AND INCLUDED IN BASE BID. USE EXTREME CAUTION DURING ANY CUTTING OPERATION TO AVOID DAMAGE TO EXISTING EQUIPMENT/SYSTEMS. ANY ITEMS DAMAGED AS A RESULT OF CORE DRILLING SHALL BE REPAIRED AT NO COST TO THE CLIENT. ALL CORES SHALL BE FIRE SEALED.
- WHERE GFI RECEPTACLES ARE CIRCUITED WITH GENERAL CONVENIENCE RECEPTACLES, THE GFI RECEPTACLE SHALL BE THE LAST DEVICE ON THE CIRCUIT.
- INSTALL CONDUIT EXPANSION FITTINGS AT ALL LOCATIONS WHERE CONDUITS CROSS BUILDING OR STRUCTURE EXPANSION JOINTS.
- UNLESS OTHERWISE NOTED, DISCONNECT SWITCHES, STARTERS, HOAS AND MOTOR RATED TOGGLE SWITCHES FOR MECHANICAL PUMPS, CABINET AND UNIT HEATERS, RETURN FANS, ROOF FANS, VAV BOXES, COMPRESSORS, FAN COIL UNITS, AIR HANDLERS AND CONDENSERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE MECHANICAL CONTRACTOR.
- DISCONNECT SWITCHES FOR MOTORIZED DAMPERS, CFSD/SD AND VAV BOXES SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. SWITCHES NOT SHOWN ON PLANS.
- EACH DUPLEX AND QUAD RECEPTACLE SHALL BE LABELED WITH THE CIRCUIT NUMBER WHICH IT SERVES. ALPHANUMERICS TO BE 1/8" HIGH AND BLACK ON CLEAR BACKGROUND. LABELS SHALL BE SELF ADHESIVE. IDENTIFY ASSOCIATED PANEL AND CIRCUIT NUMBER.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, PAINTING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE DEMOLITION AND INSTALLATION OF ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO PANELBOARDS, CONDUITS, WIRING, DEVICES, FIXTURES, ETC. INCLUDING ABOVE CEILINGS. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH WALLS, AS REQUIRED TO EXECUTE THE ELECTRICAL WORK.

DEFINITION OF TERMS

- WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "CLIENT" IS USED, IT MUST BE UNDERSTOOD THAT "CHESTER SCHOOL DISTRICT" IS INTENDED.
- WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ARCHITECT" IS USED, IT MUST BE UNDERSTOOD THAT "KGD&D ARCHITECTS, PC" IS INTENDED.
- WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ENGINEER" IS USED, IT MUST BE UNDERSTOOD THAT "OLA CONSULTING ENGINEERS" IS INTENDED.
- "WORK" MUST BE DEEMED TO CONSIST OF ALL LABOR AND OPERATIONS, TRANSPORTATION, HOISTING, MATERIALS, TOOLS, EQUIPMENT, SERVICES, INSPECTIONS, INVESTIGATIONS, COORDINATION AND SUPERVISION REQUIRED AND / OR REASONABLY NECESSARY TO PRODUCE THE CONSTRUCTION REQUIRED BY THE CONTRACT DOCUMENTS.
- "FURNISH" MEANS THE DESIGN, FABRICATION, PURCHASE AND DELIVERY TO THE JOB SITE.
- "INSTALL OR INSTALLATION" MEANS THE ACT OF PHYSICALLY PLACING, APPLYING, SETTING, ERECTING, ANCHORING, SECURING, ETC. CONSTRUCTION MATERIALS, EQUIPMENT, FURNISHINGS, APPLIANCES, AND SIMILAR ITEMS SPECIFIED AND FURNISHED AT THE JOB SITE. INSTALLATION OF SPECIFIED ITEMS MUST BE COMPLETE IN ALL RESPECTS.
- "PROVIDE" MEANS TO FURNISH AND INSTALL CONSTRUCTION MATERIAL, EQUIPMENT, ETC. AS DEFINED ABOVE.
- THE FOLLOWING ARE DEFINITIONS OF SHOP DRAWING STAMP ACTIONS:
 - "NO EXCEPTIONS TAKEN" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY COMMENCE.
 - "MAKE CORRECTIONS NOTED" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS, SUBJECT TO AND IN COMPLIANCE WITH THE ANNOTATIONS AND/OR CORRECTIONS INDICATED ON THE SHOP DRAWING. FABRICATION AND/OR PURCHASE MAY COMMENCE.
 - "AMEND AND RESUBMIT" MEANS THAT THE COMMENTS AND/OR CORRECTION ARE SO EXTENSIVE AND IMPORTANT THAT THE REVIEWER WANTS TO SEE HOW THE COMMENTS AND/OR CORRECTIONS ARE RESOLVED PRIOR TO RELEASE FOR FABRICATION AND/OR PURCHASE. FABRICATIONS AND/OR PURCHASE MAY NOT COMMENCE.
 - "REJECTED" MEANS THAT THE SHOP DRAWING DOES NOT COMPLY OR CONFORM TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY NOT COMMENCE.

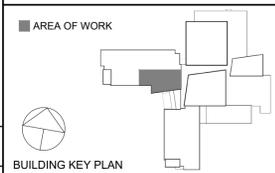
CHESTER ACADEMY STEM LAB ALTERATIONS
 CHESTER UNION FREE SCHOOL DISTRICT
 64 HAMBLETONIAN AVENUE
 CHESTER, NY 10918

KG+D listen imagine build
KG+D . ARCHITECTS PC
 285 MAIN STREET MOUNT KISCO, NEW YORK, 10549
 P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.
44-02-01-02-0-009-006

CONSTRUCTION DOCUMENTS

OLA Consulting Engineers
 50 Broadway,
 Hawthorne, NY 10532
 914.747.2800
 8 West 38th Street,
 Suite 501
 New York, NY 10018
 646.849.4110
 olace.com



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEFER, GARRETT & DAVIDSON ARCHITECTS, PC (KGD&D), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGD&D.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTIVELY UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECTION 16-05 (B) OF NEW YORK STATE LAW. COPYRIGHT © KAEFER, GARRETT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

Professional Seal

2	11/02/2022	ISSUE FOR BID
1	05/25/2022	CONSTRUCTION DOCUMENTS
No.	Date	Issue
Sheet Title		

ELECTRICAL SYMBOLS, ABBREVIATIONS & NOTES

Job No.	KGD0245.00	Date	05/18/2022
Scale	NONE	Drawn / Checked	JL / JF

Sheet Number
E001

**CHESTER ACADEMY
STEM LAB
ALTERATIONS**
CHESTER UNION FREE
SCHOOL DISTRICT

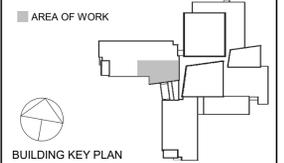
64 HAMBLETONIAN AVENUE
CHESTER, NY 10918

KG+D listen
imagine
build
KG+D . ARCHITECTS PC
285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.
44-02-01-02-0-009-006

**CONSTRUCTION
DOCUMENTS**

OLA Consulting Engineers
50 Broadway,
Hawthorne, NY 10532
914.747.2800
8 West 38th Street,
Suite 501
New York, NY 10018
646.849.4110
olace.com



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAUFER, GARMENT & DAVENSON ARCHITECTS, P.C. (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON IN ANY WAY OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERE TO, IS A VIOLATION OF TITLE VII SECT. 49-1.5(b) OF NEW YORK STATE LAW. COPYRIGHT KAUFER, GARMENT & DAVENSON ARCHITECTS & ENGINEERS, P.C. ALL RIGHTS RESERVED.

Professional Seal

2	11/02/2022	ISSUE FOR BID
1	05/25/2022	CONSTRUCTION DOCUMENTS
No.	Date	Issue
Sheet Title		

**ELECTRICAL
PLANS -
DEMOLITION**

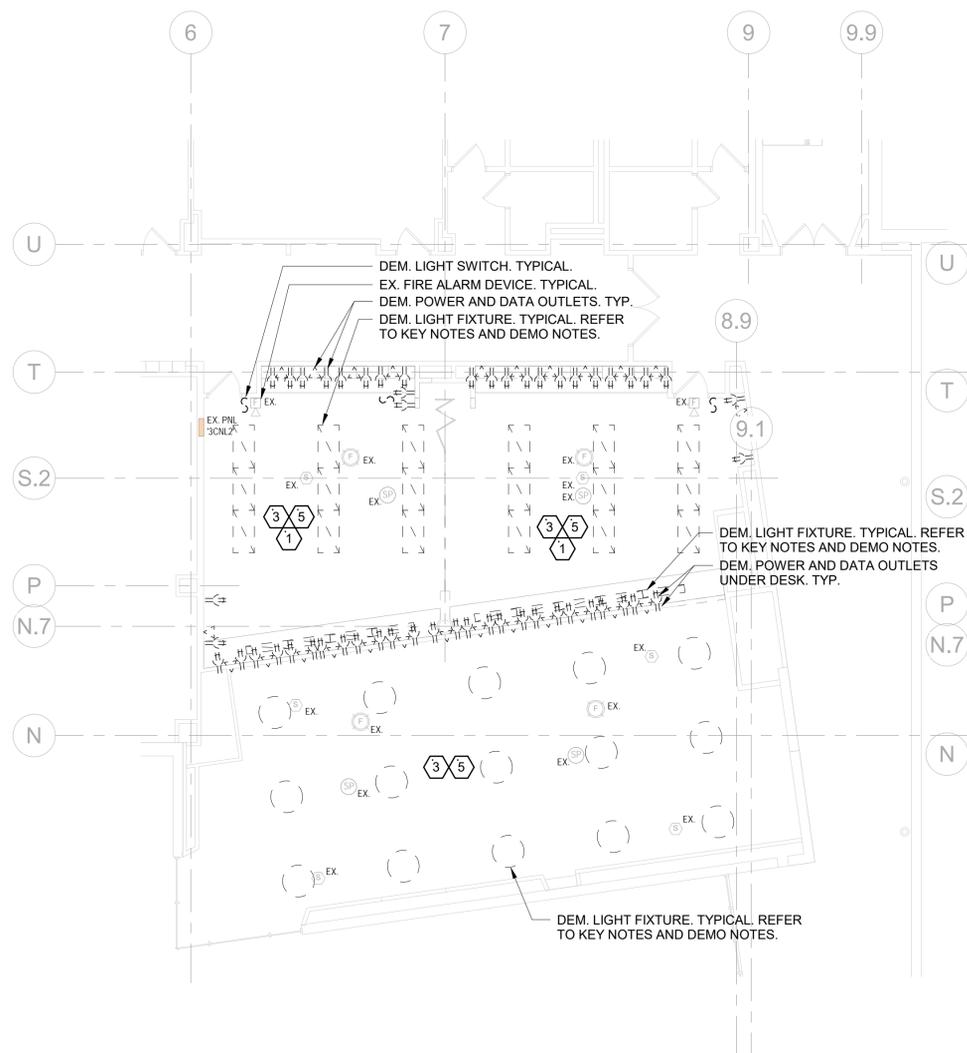
Job No. NKG0245.00	Date 05/18/2022
Scale AS NOTED	Drawn / Checked JL / JF
Sheet Number E101	

DEMOLITION KEY NOTES

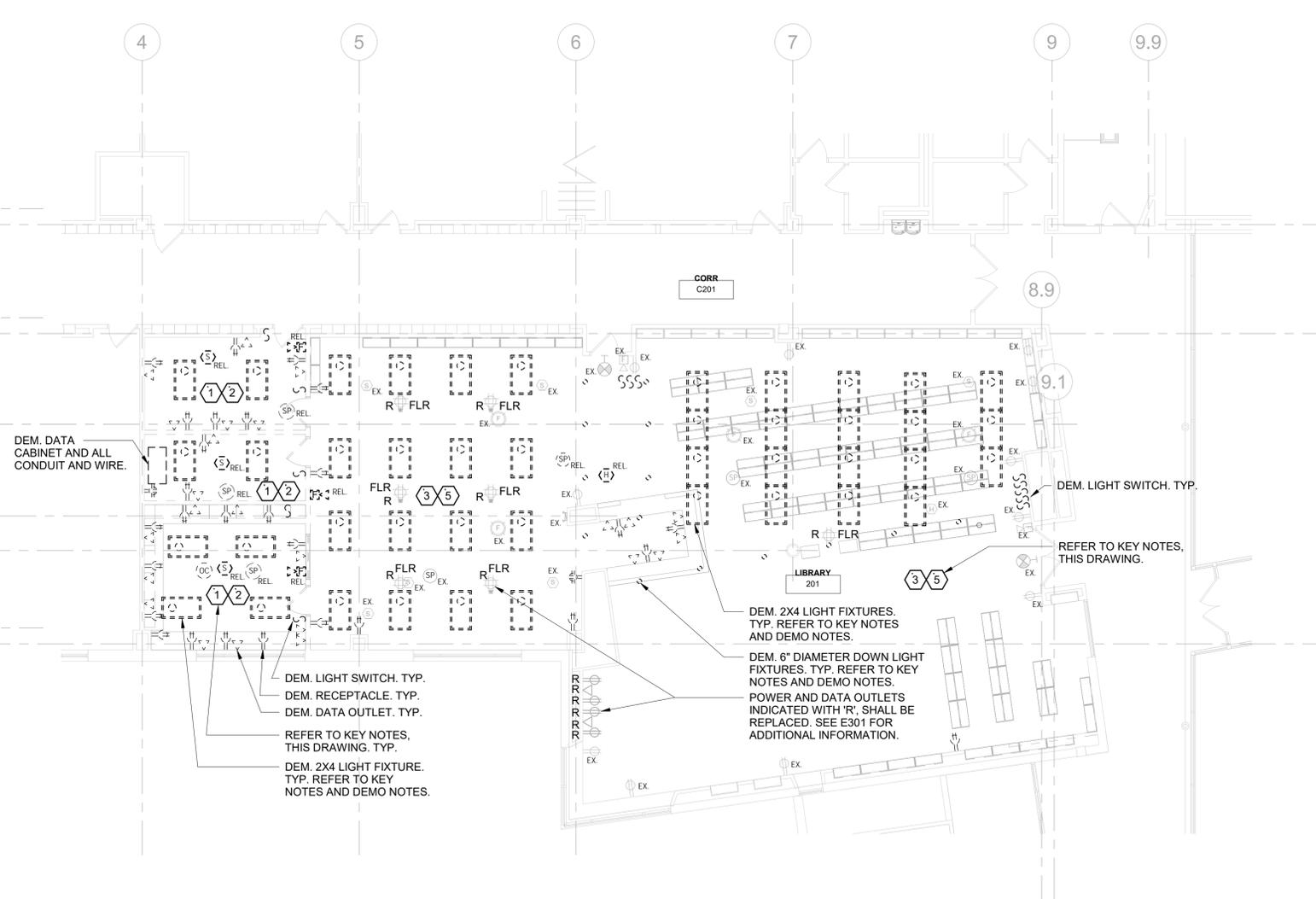
- 1 DEMOLISH ALL ELECTRICAL FIXTURES AND DEVICES IN THIS ROOM INCLUDING LIGHT FIXTURES, LIGHT SWITCHES, OCCUPANCY SENSORS, RECEPTACLES, DATATELEPHONE OUTLETS AND CABLE OUTLETS. MAINTAIN WIRING FOR NEW FIXTURES AND DEVICES AS REQUIRED. TRACE CIRCUITRY AS NEEDED TO VERIFY EXACT CIRCUIT NUMBER AND QUANTITY OF DEVICES ON EACH CIRCUIT. NO MORE THAN 6 RECEPTACLES SHALL BE ON A SINGLE 20-AMP BRANCH CIRCUIT. IDENTIFY AND TAG EACH NEW DEVICE WITH ASSOCIATED PANEL NAME AND CIRCUIT NUMBER PER SPECIFICATIONS. SEE E-301 FOR ADDITIONAL INFORMATION.
- 2 REMOVE, STORE, AND REINSTALL FIRE-ALARM DEVICES AND PUBLIC ADDRESS DEVICES IN THIS ROOM, INCLUDING SMOKE DETECTOR(S), SPEAKER STROBE(S) AND PUBLIC ADDRESS SPEAKERS IN ORDER TO ACCOMMODATE DEMOLITION AND INSTALLATION OF CEILING AND WALLS. EXTEND AND/OR MODIFY WIRING AS NEEDED TO REINSTALL DEVICES.
- 3 DEMOLISH ALL LIGHT FIXTURES IN THIS ROOM/AREA AND REMOVE WIRE AND CONDUIT BACK TO SOURCE. EXISTING WALL MOUNTED EXIT SIGNS SHALL REMAIN.
- 4 NOT USED.
- 5 ALL EXISTING FIRE-ALARM DEVICES AND PUBLIC ADDRESS SPEAKERS IN THIS ROOM/AREA SHALL REMAIN U.O.N..

DEMOLITION NOTES

1. ALL EQUIPMENT SHALL BE DISCONNECTED AND ALL ASSOCIATED WIRE AND CONDUIT SHALL BE REMOVED BACK TO POWER SOURCE ORIGINATION UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).
2. CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WORK IN THE FIELD PRIOR TO BID AND SHALL INCLUDE ALL LABOR AND MATERIALS IN BASE BID INCLUDING ALL TEMPORARY CONNECTIONS, CONDUIT AND WIRE IN ORDER TO ACCOMMODATE CONSTRUCTION AND PROVIDE CONTINUOUS SERVICE TO DEVICES AND SYSTEMS TO REMAIN, TEMPORARY AND PERMANENTLY.
3. CIRCUIT BREAKER, CONDUIT AND CONDUCTOR SIZES INDICATED SHALL BE FIELD VERIFIED PRIOR TO BID.
4. ALL EXISTING ELECTRICAL EQUIPMENT NO LONGER IN USE, SUCH AS DISCONNECT SWITCHES, MOTOR CONTROLLERS, ETC. SHALL BE REMOVED UON.
5. ALL DISCONNECTED & REMOVED EXISTING ELECTRICAL ITEMS THAT ARE NOT BEING REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED.
6. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID FOR ALL MATERIAL & LABOR REQUIRED FOR THE EXTENSIONS, REROUTING & RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT, WIRING, CONDUITS & CABLING SO AS TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE BUILDING DURING DEMOLITION & CONSTRUCTION PHASES.
7. REMOVE, STORE, AND REINSTALL CEILING TILES AND DEVICES AS NEEDED TO ACCOMMODATE ELECTRICAL WORK. REPLACE CEILING TILES WHICH BECOME DAMAGED DURING THE COURSE OF WORK.
8. PATCH AND REPAIR ALL OPENINGS AFTER REMOVAL OF DEVICES AND EQUIPMENT. SEE NOTES ON DRAWING E001 FOR ADDITIONAL INFORMATION.



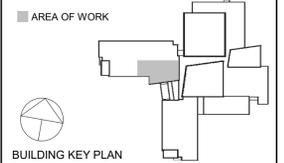
3RD FLOOR DEMO PLAN
SCALE: 1/8" = 1'-0"



2ND FLOOR - DEMO PLAN
SCALE: 1/8" = 1'-0"

**CONSTRUCTION
DOCUMENTS**

OLA Consulting Engineers
50 Broadway,
Hawthorne, NY 10532
914.747.2800
8 West 38th Street,
Suite 501
New York, NY 10018
646.849.4110
olace.com



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEYER, GARRETT & DAVIDSON ARCHITECTS, P.C. (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.
WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.
ALTERATIONS BY ANY PERSON IN ANY WAY OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERE TO, IS A VIOLATION OF TITLE VII SECT. 49-0.1(b) OF NEW YORK STATE LAW.
COPYRIGHT KAEYER, GARRETT & DAVIDSON ARCHITECTS & ENGINEERS, P.C. ALL RIGHTS RESERVED.

Professional Seal

3	11/02/2022	ISSUE FOR BID
2	06/16/2022	NYSED ADDENDUM #1
1	05/25/2022	CONSTRUCTION DOCUMENTS
No.	Date	Issue
Sheet Title		

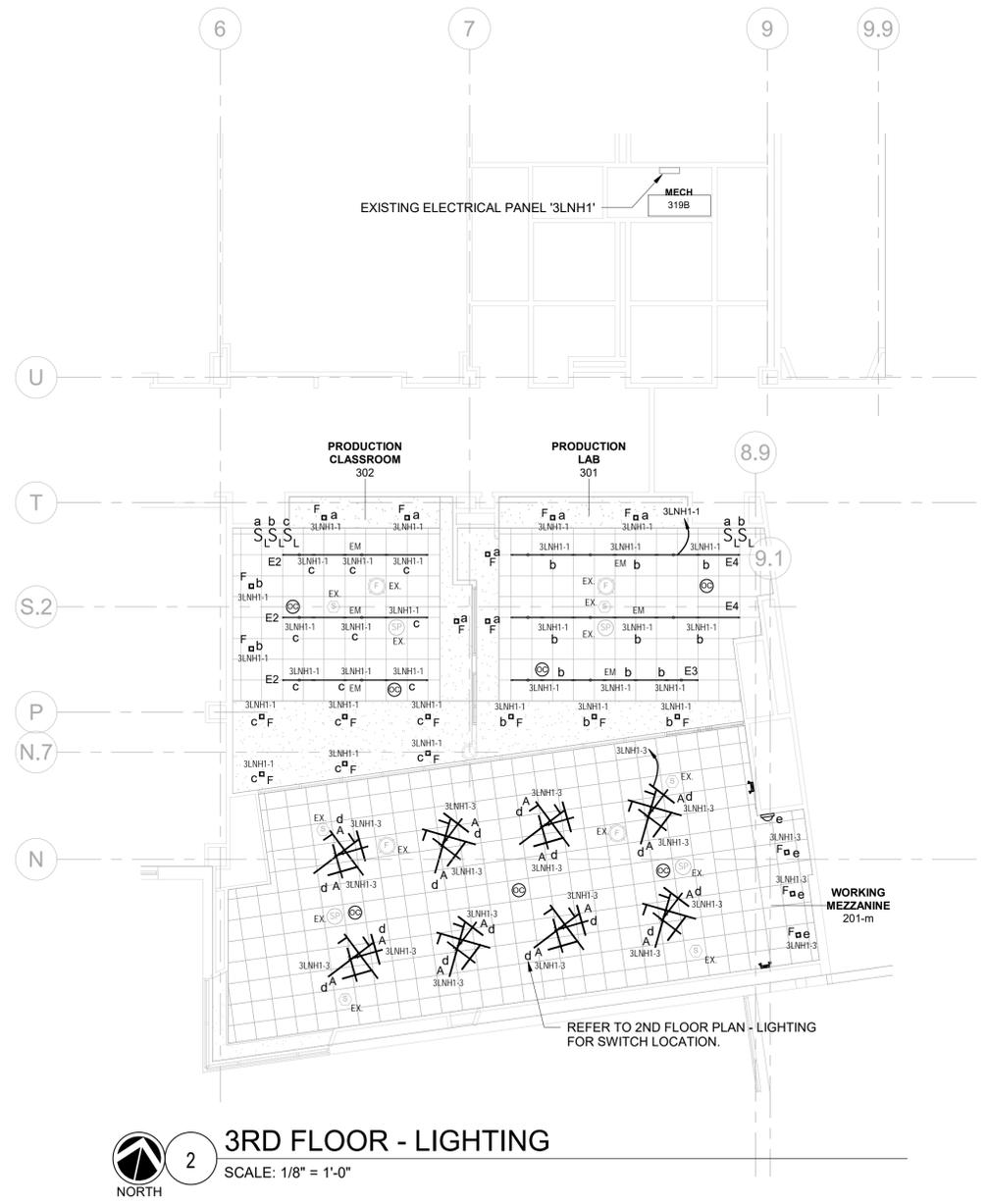
**ELECTRICAL
PLANS -
LIGHTING**

Job No.	NKGD0245.00	Date	05/18/2022
Scale	AS NOTED	Drawn / Checked	JL / JF
Sheet Number			

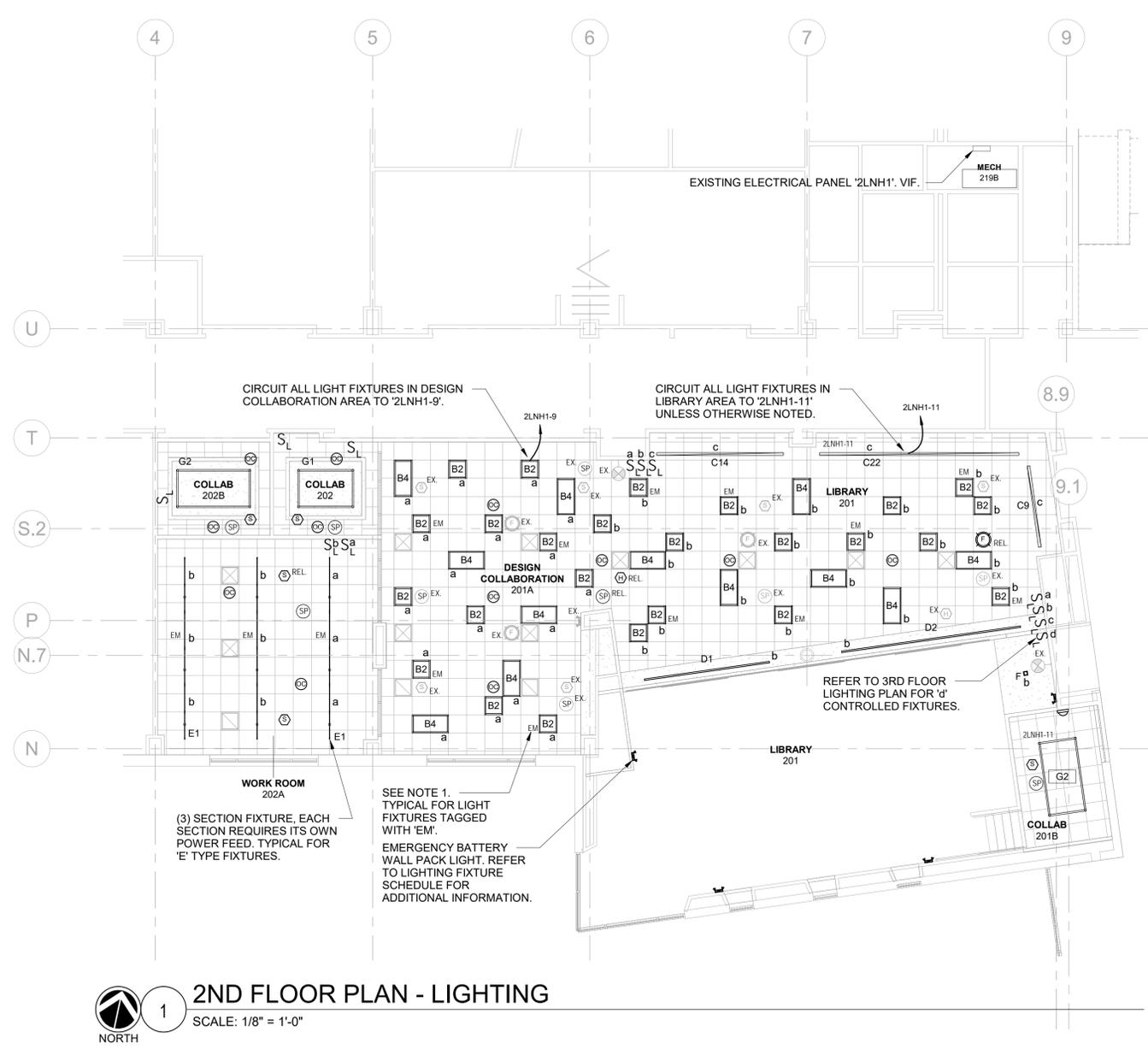
E201

NOTES

- LIGHTS INDICATED AS EMERGENCY (EM) SHALL CONTAIN INTEGRAL OR REMOTE BATTERY PACK AND EMERGENCY TEST SWITCH. THESE FIXTURES SHALL BE INSTALLED SO THAT UNDER NORMAL CONDITIONS THEY ARE CONTROLLED WITH ADJACENT AREA/ROOM LIGHTS, AND IN THE EVENT OF A POWER OUTTAG, THEY AUTOMATICALLY ILLUMINATE FOR 90 MINUTES. REFER TO LIGHTING FIXTURE SCHEDULE ON DRAWING E601 FOR ADDITIONAL INFORMATION. PROVIDE CONSTANT HOT SENSING CIRCUIT TO MONITOR UTILITY VOLTAGE. PROVIDE UL924 POWER PACKS COMPATIBLE WITH LOCAL LOW VOLTAGE CONTROL SYSTEM.
- REMOVE, STORE, AND REINSTALL CEILING TILES AND EXISTING CEILING MOUNTED DEVICES AS NEEDED TO ACCOMMODATE ELECTRICAL WORK. REPLACE CEILING TILES WHICH BECOME DAMAGED DURING THE COURSE OF WORK.
- PROVIDE CUTTING, PATCHING AND PAINTING AS NEEDED TO FACILITATE DEMOLITION AND INSTALLATION OF ELECTRICAL WORK TO MATCH SURROUNDING AREA.
- PROVIDE 1P-20A CIRCUIT BREAKER IN ASSOCIATED PANEL FOR NEW LIGHTING CIRCUITS AS INDICATED.
- LIGHT FIXTURES IN WORK ROOM 202A, COLLAB 202 AND COLLAB 202B SHALL BE CONNECTED TO EXISTING CIRCUIT. EXTEND/MODIFY EXISTING CIRCUIT AS NEEDED. CONFIRM VOLTAGE PRIOR TO ORDERING AND INSTALLING COMPONENTS. REFER TO DRAWING E-101 FOR ADDITIONAL INFORMATION.
- LIGHTING CONTROL COMPONENTS ARE SHOWN FOR GENERAL DESIGN INTENT. ALL COMPONENTS AND WIRING ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY COMPONENTS (SWITCHES, SENSORS, POWER PACKS), WIRING (LINE, LOW VOLTAGE, DIMMING) AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. COORDINATE WITH BUILDING MANAGEMENT FOR PROGRAMMING FUNCTIONALITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE LIGHTING CONTROLS WITH LIGHT FIXTURES. ALL LIGHT FIXTURES AND LIGHTING CONTROL SUBMITTALS SHALL BE SUBMITTED AT THE SAME TIME FOR APPROVAL.
- PROVIDE CEILING MOUNTED FIRE-ALARM DEVICES (SMOKED DETECTORS, SPEAKERS) AND PUBLIC ADDRESS SPEAKERS AS INDICATED. CONNECT TO EXISTING SYSTEMS. EXTEND WIRING AS REQUIRED. PROVIDE ALL PROGRAMMING.



2 3RD FLOOR - LIGHTING
SCALE: 1/8" = 1'-0"
NORTH



1 2ND FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"
NORTH

LIGHTING FIXTURE SCHEDULE							
FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING	LUMENS	REMARKS
A	ARTEMIDE ARCHITECTURAL	USC-M-119-2-2-8-H-00-LA-TV	LED 3000K 60[W]	120-277	PENDANT	2586	KAO KIT B LED SUSPENSION AT DOUBLE HEIGHT LIBRARY SPACE (2 FIXTURES OVERLAP).
B2	NULITE	BRM4-22-30-L30-U-D-WH	LED 3000K 28[W]	120-277	RECESSED	3000	2x2 LED TROFFER. PROVIDE INTEGRAL 10 WATT BATTERY PACK WHERE NOTED ON PLANS AS 'EM'.
B4	NULITE	BRM4-24-35-L30-U-D-WH	LED 3000K 32[W]	120-277	RECESSED	3500	2x4 LED TROFFER. PROVIDE INTEGRAL 10 WATT BATTERY PACK WHERE NOTED ON PLANS AS 'EM'.
C9	ELLIPTIPAR	S531-R09L-S-02-M-0B-0-830-ZX WITH VER-02-48-0 AND ADE51-02-0	LED 3000K 61[W]	120-277	SURFACE	6114	LED STACK LIGHT - STYLE S531: 9FT
C14	ELLIPTIPAR	S531-MOD14 R09L-S-02-M-0B-0-830-ZX WITH VER-02-48-0 AND ADE51-02-0	LED 3000K ??[W]	120-277	SURFACE	6114	LED STACK LIGHT - STYLE S531: 14FT mod (SIMILAR TO C9 BUT 14' IN LENGTH)
C22	ELLIPTIPAR	S531-MOD22 R09L-S-02-M-0B-0-830-ZX WITH VER-02-48-0 AND ADE51-02-0	LED 3000K ??[W]	120-277	SURFACE	6114	LED STACK LIGHT - STYLE S531: 22FT mod (SIMILAR TO C9 BUT 22' IN LENGTH)
D1	PRECISE LED	ZNLT-NC2-2G-168-2ZGBL-24V-95C-30K-CLNS-2G-ZO	LED 3000K 56[W]	24 (120-277 INPUT)	RECESSED	3780	ZENLIGHT NC2-2G- LED SYSTEM IN DRYWALL CEILINGS: 14FT
D2	PRECISE LED	ZNLT-NC2-2G-240-2ZGBL-24V-95C-30K-CLNS-2G-ZO	LED 3000K 80[W]	24 (120-277 INPUT)	RECESSED	5400	ZENLIGHT NC2-2G- LED SYSTEM IN DRYWALL CEILINGS: 20FT
E1	DELRAY	SLTR4-6-H0-W30-D-SLRDTB SLTM4-8-H0-W30-D-SLRDTB-EM SLTL4-6-H0-W30-D-SLRDTB	LED 3000K 140[W]	120-277	PENDANT	14432	ADJUSTABLE LED SINGLE LAMP PENDANT: 20FT. 6FT RIGHT, 8FT MIDDLE AND 6FT LEFT. CONNECT TOGETHER WITH AN STJR PIECE BETWEEN EACH
E2	DELRAY	SLTR4-6-H0-W30-D-SLRDTB SLTL4-8-H0-W30-D-SLRDTB-EM	LED 3000K 98[W]	120-277	PENDANT	10102	ADJUSTABLE LED SINGLE LAMP PENDANT: 14FT. 6FT RIGHT, 8FT LEFT. CONNECT TOGETHER WITH AN STJR PIECE BETWEEN EACH
E3	DELRAY	SLTR4-8-H0-W30-D-SLRDTB SLTM4-8-H0-W30-D-SLRDTB-EM SLTL4-2-H0-W30-D-SLRDTB	LED 3000K 126[W]	120-277	PENDANT	12987	ADJUSTABLE LED SINGLE LAMP PENDANT: 18FT. 8FT RIGHT, 8FT MIDDLE AND 2FT LEFT. CONNECT TOGETHER WITH AN STJR PIECE BETWEEN EACH
E4	DELRAY	SLTR4-6-H0-W30-D-SLRDTB SLTM4-8-H0-W30-D-SLRDTB-EM SLTL4-8-H0-W30-D-SLRDTB	LED 3000K 154[W]	120-277	PENDANT	15874	ADJUSTABLE LED SINGLE LAMP PENDANT: 22FT. 6FT RIGHT, 8FT MIDDLE AND 8FT LEFT. CONNECT TOGETHER WITH AN STJR PIECE BETWEEN EACH
F	PRECISE LED	NVTN-3-SH-23W-30K-90C-3G-60D-ST1-AT-SO WITH NVTN-3-TRIM -BS-WH-ADPT-SQ-UNV-3G	LED 3000K 23[W]	120-277	RECESSED	2120	NOVATION LED 3 INCH SHALLOW DOWN. MOUNTED AT GYP AND ACT CEILINGS.
G1	LF ILLUMINATION	(2)GSA-05L-9030-LN-048-SS WITH (4)GSA-2WY-SS	LED 3000K 5[W/ft]	120-277	PENDANT	400/FT	4FT X 6FT LAYOUT. LIGHTING TO INCLUDE ALL APPROPRIATE ACCESSORIES NEEDED FOR INSTALLATION.
G2	LF ILLUMINATION	(2)GSA-05L-9030-LN-048-SS WITH (4)GSA-2WY-SS	LED 3000K 5[W/ft]	120-277	PENDANT	400/FT	4FT X 8FT LAYOUT. LIGHTING TO INCLUDE ALL APPROPRIATE ACCESSORIES NEEDED FOR INSTALLATION.
	LITHONIA LIGHTING	ELM2-LED	LED 3[W]	120-277	SURFACE		DUAL HEAD EMERGENCY BATTERY WALL PACK LIGHT. MATCH FINISHES OF EXISTING EMERGENCY LIGHTS.

NOTES:

- VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES.
- LIGHT FIXTURES INDICATED AS EMERGENCY (EM) ON DRAWINGS SHALL CONTAIN AN EMERGENCY BACK-UP BATTERY AND SHALL CONTAIN A VISUAL INDICATING CHARGE LAMP AND TEST SWITCH. IF IT IS NOT POSSIBLE TO INSTALL THE EMERGENCY BATTERY IN THE FIXTURE, THE CONTRACTOR SHALL FURNISH & INSTALL A REMOTE EMERGENCY BATTERY. EACH EM LIGHT FIXTURE SHALL BE CONNECTED SO THAT THE FIXTURE CAN BE SWITCHED UNDER NORMAL CONDITIONS AND IN THE EVENT OF A POWER OUTAGE, THE FIXTURE SHALL AUTOMATICALLY ILLUMINATE FOR 90 MINUTES WITH A 1200 LUMEN OUTPUT (TOTAL FROM FIXTURE), MINIMUM. PROVIDE CONSTANT HOT SENSING CIRCUIT FOR UTILITY POWER SENSING AND CONNECT TO ASSOCIATED LOCAL LIGHTING CIRCUIT, AHEAD OF ALL CONTROLS.
- EMERGENCY WALL PACKS SHALL BE CONNECTED TO THE LOCAL LIGHTING CIRCUIT.
- PROVIDE DRIVERS REQUIRED TO OPERATE LIGHT FIXTURES.
- IN THE EVENT THE CONTRACTOR CHOOSES TO SUBSTITUTE LIGHT FIXTURES FOR THOSE THAT ARE SPECIFIED ON THE LIGHT FIXTURE SCHEDULE, THE CONTRACTOR SHALL SUBMIT POINT-TO-POINT PHOTOMETRIC CALCULATIONS FOR ALL AREAS WHERE THE SUBSTITUTED FIXTURES ARE INDICATED TO BE INSTALLED ON THE DRAWINGS. THESE CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE LIGHT FIXTURE SHOP DRAWINGS.

3LNL3 PANEL SCHEDULE							
MAIN RATING: 100A		MAIN C.B.: 60A ST		KAIC RATING: 10KAIC			
VOLTAGE: 208Y/120V		PHASE: 3		WIRE: 4		MOUNTING: RECESSED	
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION	CIRC. NO.
1	COUNTER CNC ROUTER	20	1	1	20	LASER AND COOLBOX	2
3	LASER AND COOLBOX	20	1	1	20	LASER AND COOLBOX	4
5	LASER AND COOLBOX	20	1	1	20	LASER AND COOLBOX	6
7	LASER AND COOLBOX	20	1	1	20	CNC MILLING MACHINE	8
9	CNC MILLING MACHINE	20	1	1	20	CNC MILLING MACHINE	10
11	SHOP VAC FOR CNC ROUTER	20	1	1	20	SPARE	12
13	SPARE	20	1	1	20	SPARE	14
15	SPARE	20	1	1	20	SPARE	16
17	SPARE	20	1	1	20	SPARE	18
19	SPARE	20	1	1	20	SPARE	20
21	-	-	-	-	-	-	22
23	-	-	-	-	-	-	24
25	-	-	-	-	-	-	26
27	-	-	-	-	-	-	28
29	-	-	-	-	-	-	30

LK - PROVIDE LOCKING TABS ON C.B.; GF - GFI TYPE C.B.; GP - GFP TYPE C.B.; AF - ARC FAULT TYPE C.B.; ST - SHUNT TRIP C.B.

NOTES:
 1.) PROVIDE SHUNT TRIP MAIN CIRCUIT BREAKER.
 3.) PROVIDE WITH INTEGRAL SPD.

CHESTER ACADEMY STEM LAB ALTERATIONS
 CHESTER UNION FREE SCHOOL DISTRICT
 64 HAMBLETONIAN AVENUE
 CHESTER, NY 10918



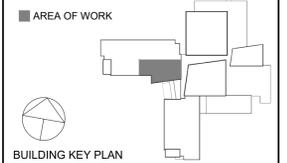
KG+D ARCHITECTS PC
 285 MAIN STREET MOUNT KISCO, NEW YORK, 10549
 P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.
44-02-01-02-0-009-006

CONSTRUCTION DOCUMENTS



OLA Consulting Engineers
 50 Broadway,
 Hawthorne, NY 10532
 914.747.2800
 8 West 38th Street,
 Suite 501
 New York, NY 10018
 646.849.4110
 olace.com



NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEBER, GARRETT & DAVIDSON ARCHITECTS, PC (KGAD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGAD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECTION 16-01 OF NEW YORK STATE LAW. COPYRIGHT KAEBER, GARRETT & DAVIDSON ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.

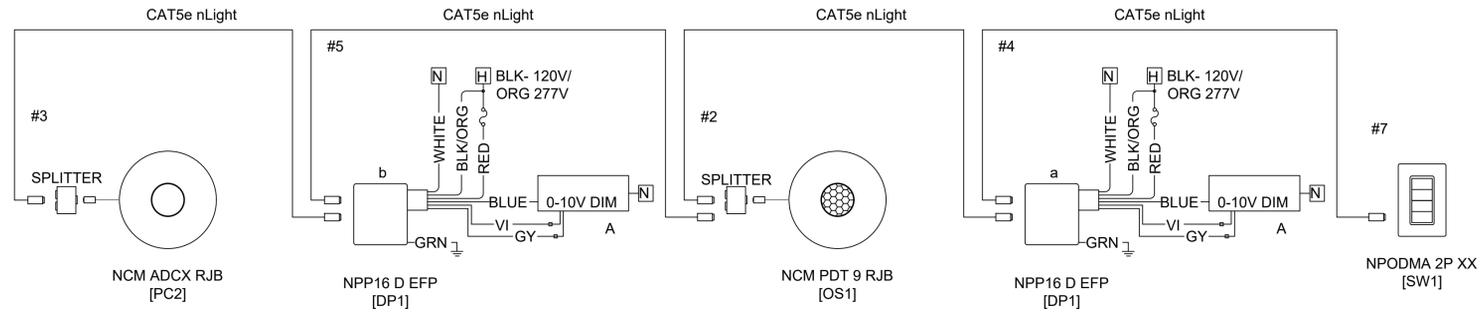
Professional Seal

2	11/02/2022	ISSUE FOR BID
1	05/25/2022	CONSTRUCTION DOCUMENTS
No.	Date	Issue

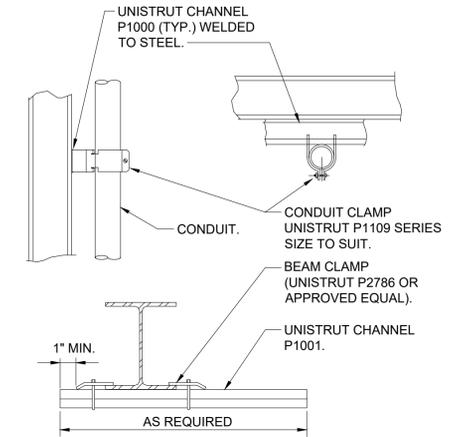
Sheet Title

ELECTRICAL SCHEDULES

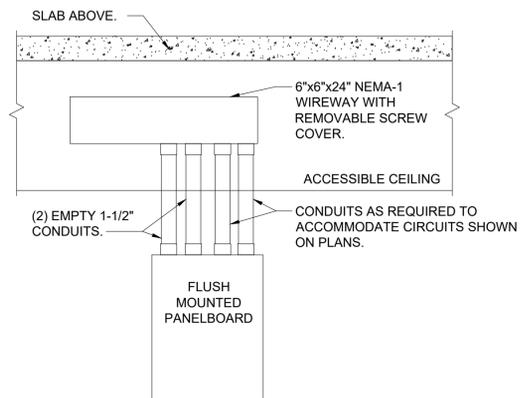
Job No. KGD0245.00 Date 05/18/2022
 Scale NONE Drawn / Checked JL / JF
 Sheet Number **E601**



6 TYPICAL LIGHTING CONTROL SCHEMATIC DIAGRAM
SCALE: NONE

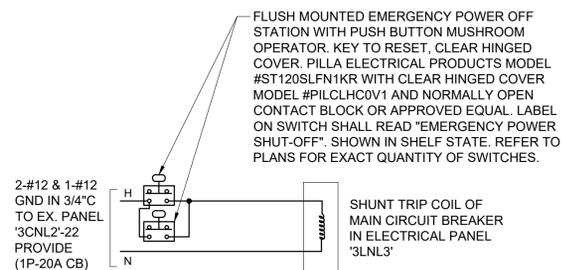


3 CONDUIT SUPPORTED FROM STRUCTURAL STEEL DETAIL
SCALE: NONE



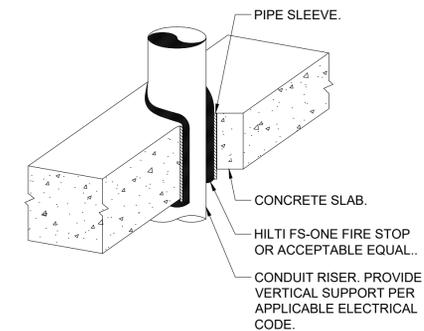
- NOTES:**
1. IN ADDITION TO CONDUITS FOR CIRCUITS INSTALLED AS PER PLANS, INSTALL ADDITIONAL EMPTY CONDUITS AS INDICATED ABOVE FOR FUTURE CIRCUITS.
 2. CONDUITS BETWEEN PANELBOARD AND WIREWAY TO BE CONCEALED WITHIN PARTITION.

8 FLUSH MOUNTED PANELBOARD DETAIL
SCALE: NONE

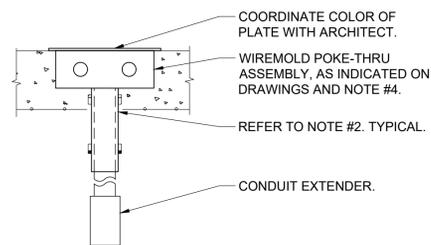


NOTE: EPO STATIONS SHALL BE WIRED IN PARALLEL SO THAT ACTIVATION OF EITHER EPO INITIATES SHUNT TRIP COIL TO OPEN MAIN CIRCUIT BREAKER.

5 EPO SHUNT TRIP DETAIL
SCALE: NONE

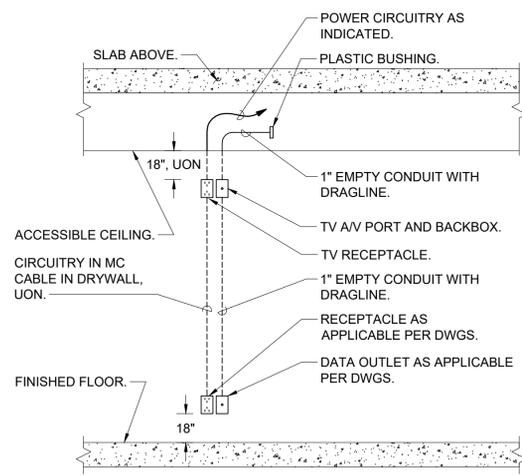


2 TYPICAL VERTICAL CONDUIT PENETRATION DETAIL
SCALE: NONE



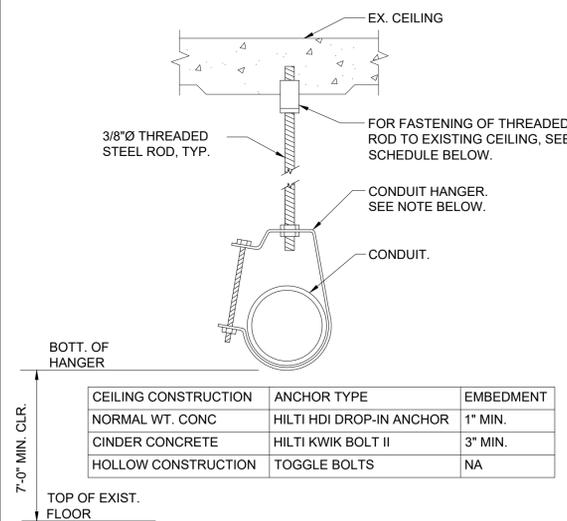
- NOTES:**
1. FIRE STOP SLEEVE ON UPPER AND UNDERSIDE OF FLOOR SLAB WITH 3 HOUR RATED FIRE STOP AS MANUFACTURED BY SPECIFIED TECHNOLOGIES INC. (STI) SPEC SEAL SSS INTUMESCENT SEALANT OR APPROVED EQUAL.
 2. POKE-THRUS SHALL BE MIN. 2'-0" APART FROM EACH OTHER TO MAINTAIN FIRE RATING OF FLOOR.
 3. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - 4.) POKE THRU MODEL NUMBERS:
A. POKE THRU COMBINATION POWER/DATA/TELEPHONE WITH (2) DUPLEX 20A RECEPTACLES & (4) CATEGORY 6 INSERTS WIREMOLD MODEL #RC4ATC OR APPROVAL EQUAL.

9 POKE-THRU DEVICE INSTALLATION DETAIL
SCALE: NONE



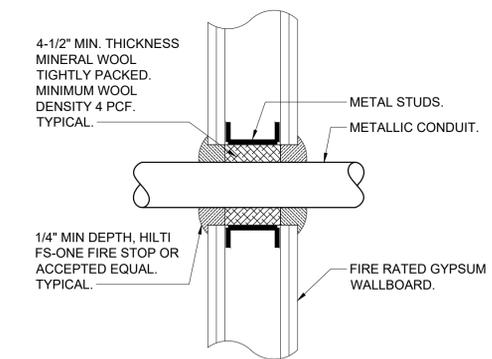
- NOTES:**
1. COORDINATE EXACT HEIGHTS AND LOCATIONS OF RECEPTACLES AND BOXES WITH ARCHITECT.

7 TYPICAL ELEVATION DETAIL FOR MONITOR POWER/AV/DATA OUTLET LOCATION
SCALE: NONE

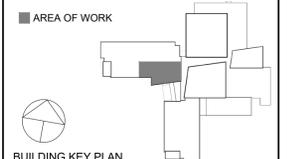


NOTE: CLEVIS HANGERS REQUIRED ON PIPING LARGER THAN 1". GENERAL PURPOSE HANGERS MAY BE USED ON PIPING 1" OR SMALLER.

4 SINGLE CONDUIT HANGER DETAIL
SCALE: NONE



1 TYPICAL FIRE RATED GYPSUM WALL CONDUIT PENETRATION DETAIL
SCALE: NONE



AREA OF WORK

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEFER, GARRETT & DAVIDSON ARCHITECTS, P.C. (KGD), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF KGD.

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT UNLESS ACTIVELY UNDER THE DIRECTION OF THE LICENSED ARCHITECT WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE 16, SECTION 16-150 OF NEW YORK STATE LAW. COPYRIGHT © KAEFER, GARRETT & DAVIDSON ARCHITECTS & ENGINEERS, P.C. ALL RIGHTS RESERVED.

No.	Date	Issue
2	11/02/2022	ISSUE FOR BID
1	05/25/2022	CONSTRUCTION DOCUMENTS

Sheet Title

ELECTRICAL DETAILS

Job No.	Date
KGD0245.00	05/18/2022

Scale	Drawn / Checked
AS NOTED	JL / JF