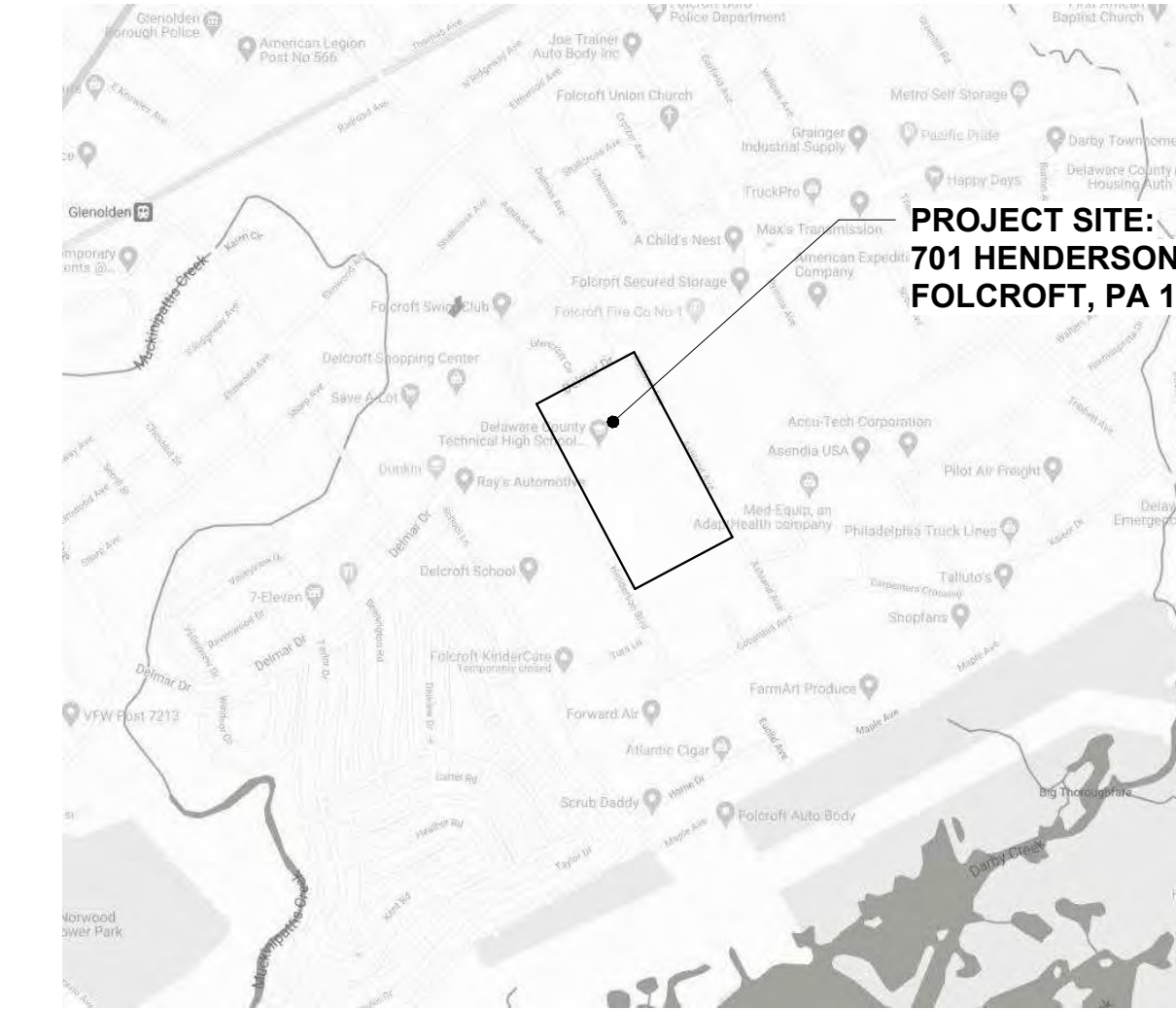


ADDITIONS AND RENOVATIONS TO THE FOLCROFT TECHNICAL SCHOOL DELAWARE COUNTY INTERMEDIATE UNIT



**DCIU FOLCROFT CAMPUS
LOCATION PLAN**

SYMBOLS		
SECTION TAG DETAIL NUMBER SHEET NUMBER	ROOM TAG OFFICE ROOM NAME B130 ROOM NUMBER	DOOR TAG NEW DOOR EXISTING DOOR
INTERIOR ELEVATION ELEVATION NUMBER SHEET NUMBER	CASEWORK TAG BASIS OF DESIGN MODEL NUMBER (CUSTOM/MODIFIED CABINETS HAVE "M" SUFFIX) CABINET NOMINAL HEIGHT CABINET WIDTH	ROOF TAG NEW COL. LINE EXISTING COL. LINE OCTAGON ITALIC TEXT
EXTERIOR ELEVATION ELEVATION NUMBER SHEET NUMBER	WINDOW TAG W13	NEW COL. LINE CIRCLE STANDARD TEXT
DETAIL TAG ELEVATION NUMBER SHEET NUMBER	CURTAIN WALL TAG CW13	
PARTITION/BULKHEAD TAG (REFER TO A1.0 FOR TYPES)	STOREFRONT TAG AL13	
	INTERIOR WINDOW TAG IW13	
HATCH PATTERNS		
METAL STUD	BRICK	CONCRETE
RIGID INSULATION	BATT INSUL.	ROUGH WOOD
		CMU
		EARTH
		STEEL
		PLYWOOD

ABBREVIATIONS

(NOT ALL ABBREVIATIONS APPEAR IN PROJECT)

AC	AIR CONDITIONING	EQUIP	EQUIPMENT	MIN	MINIMUM	STC	SOUND TRANSMISSION COEFFICIENT
ACM	ALUMINUM COMPOSITE MATERIAL	ES	EACH SIDE	MISC	MISCELLANEOUS	STL	STEEL
ACUST	ACOUSTICAL	ETR	EXISTING TO REMAIN	MO	MASONRY OPENING	STOR	STORAGE
ACT	ACOUSTIC CEILING TILE	EWIC	ELECTRIC WATER COOLER	MR	MOISTURE RESISTANT	STRG	STRINGER
ADJ	ADJACENT	EXH	EXHAUST	MTD	MOUNTED	STRUCT	STRUCTURE OR STRUCTURAL
AFF	ABOVE FINISHED FLOOR	EXIST	EXISTING	MTG	MOUNTING	SUSP	SUSPENDED
AFG	ABOVE FINISHED GRADE	EXP	EXPANSION	MTL	METAL	SYM	SYMMETRICAL
AGGR	AGGREGATE	EXT	EXTERIOR	MULL	MULLION	SYS	SYSTEM
ALT	ALTERNATE	FA	FIRE ALARM	MM	MICROWAVE	T	TREAD
ALUM	ALUMINUM	FD	FLOOR DRAIN	N	NORTH	T&B	TOP AND BOTTOM
ANOD	ANODIZED	FDC	FIRE DEPARTMENT CONNECTION	NA	NOT APPLICABLE	T&G	TONGUE AND GROOVE
APPROX	APPROXIMATE	FE	FIRE EXTINGUISHER	NC	NOISE CRITERIA	TELE	TELEPHONE
ARCH	ARCHITECTURAL	FEC	FIRE EXTINGUISHER CABINET	NIC	NOT IN CONTRACT	THK	THICKNESS
ATTN	ATTENTION	FF&E	FURNITURE, FIXTURES AND EQUIPMENT	NO	NUMBER	TKBD	TACK BOARD
AV	AUDIOVISUAL	FFE	FINISH FLOOR ELEVATION	NOM	NOMINAL	TLT	TOILET
BD	BOARD	FIN	FINISH	NTS	NOT TO SCALE	TMPD	TEMPERED
BIT	BITUMINOUS	FIXT	FIXTURE	OA	OUTSIDE AIR	TO	TOP OF
BLDG	BUILDING	FLR	FLOOR	OC	ON CENTER	TOB	TOP OF BEAM
BLKG	BLOCKING	FND	FOUNDATION	OD	OUTSIDE DIAMETER	TOC	TOP OF CONCRETE
BM	BEAM	FP	FACE OF	OFI	OWNER FURNISHED, OWNER INSTALLED	TOS	TOP OF STEEL
BO	BOTTOM OF	FRC	FIBER REINFORCED CONCRETE	OFF	OFFICE	TS	TUBE STEEL
BOT	BOTTOM	FRP	FIBER REINFORCED PLASTIC	OFOW	OWNER FURNISHED, OWNER INSTALLED	TV	TELEVISION
BRC	BEARING	FRT	FIRE RETARDANT TREATED	ORD	OVERFLOW DRAIN	TYP	TYPICAL
BSMT	BASEMENT	FRZ	FREEZER	OPB	OVERFLOW BOARD	UNO	UNLESS NOTED OTHERWISE
CB	CEMENT BOARD	FT	FEET/FOOT	OPP	OPPOSITE	VAR	VARIES
CBU	CEMENTITIOUS BACKER UNIT	FTG	FOOTING	PBD	PARTICLE BOARD	VCT	VINYL COMPOSITION TILE
CCTV	CLOSED CIRCUIT TELEVISION	FURN	FURNITURE	PC	PRECAST OR PLUMBING CONTRACTOR (OR)	VERT	VERTICAL
CFS	COLD FORMED STEEL	FURR	FURRING	PERF	PERFORATED	VEST	VESTIBULE
CG	CORNER GUARD	GA	Gauge	PERIM	PERIMETER	VR	VAPOR RETARDER
CI	CAST IRON	GALV	GALVANIZED	PERP	PERPENDICULAR	VT	VINYL TILE
CIP	CAST-IN-PLACE	GC	GENERAL CONTRACT (OR)	PL	PLASTER	VWC	VINYL WALL COVERING
CJ	CONTROL JOINT	GEN	GENERAL	PLAM	PLASTIC LAMINATE	W	WIDE/WEST
CL	CENTERLINE	GFRG	GLASS FIBER REINFORCED CONCRETE	PLBG	PLUMBING	W/	WITH
CLG	CEILING	GFRG	GLASS FIBER REINFORCED CONCRETE	PLF	POUNDS PER LINEAR FOOT	W/O	WITHOUT
CLR	CLEAR	GL	GLASS	PLYWD	PLYWOOD	WC	WATER CLOSET
CMU	CONCRETE MASONRY UNIT	GLAZ	GLAZING	PNT	PANEL	WD	WOOD
CO	CLEANOUT	GRD	GRADING	PREFAB	PREFABRICATED	WP	WATERPROOFING
COL	COLUMN	GRD	GRADING	PROJ	PROJECT	WPM	WATERPROOF MEMBRANE
CONC	CONCRETE	GRD	GRADING	PSF	POUNDS PER SQUARE FOOT	WSCOT	WAINSCOT
CONST	CONSTRUCTION	GYPS	GYPSON	PT	PRESSURE TREATED	WT	WEIGHT
CONT	CONTINUOUS	H	HIGH/HEIGHT	PTD	PAINTED	WWF	WELDED WIRE FABRIC
COORD	COORDINATE	HC	HANDICAPPED	PVC	POLYVINYL CHLORIDE	WWW	WELDED WIRE MESH
CORR	CORRIDOR	HDWD	HARDWOOD	QT	QUANTITY		
CPT	CARPET	HDWR	HARDWARE	QTY	QUANTITY		
CT	CERAMIC TILE	HGT	HEIGHT	RA	RAIN WATER LEADER		
CTR	CENTER	HM	HOLLOW METAL	REC	RECESSED		
CTSK	COUNTERSINK	HNDRL	HANDRAIL	RECPT	RECEPTACLE		
CW	COLD WATER	HO	HOLD OPEN	REF	REFERENCE		
D	DEEP, DEPTH	HORIZ	HORIZONTAL	REFR	REFRIGERATOR		
DBL	DOUBLE	HR	HOUR	REIN	REINFORCED REINFORCING		
DEG	DEGREE	HSS	HOLLOW STRUCTURAL SECTION	REQ	REQUIRE/REQUIRED		
DEM	DEMOLISH OR DEMOLITION	HTG	HEATING	REV	REVISION/REVISED		
DEPT	DEPARTMENT	HVAC	HEATING VENTILATION AND AIR CONDITIONING	RM	ROOM		
DF	DRINKING FOUNTAIN	HW	HOT WATER	RO	ROUGH OPENING		
DIA	DIAMETER	IN	INSIDE DIAMETER	RTD	RATED		
DIFF	DIFFUSER	INSUL	INSULATION	RTG	RATING		
DIM	DIMENSION	INT	INTERIOR	RWL	RAIN WATER LEADER		
DIMS	DIMENSIONS	INTERM	INTERMEDIATE	S	SOUTH		
DIV	DIVISION	INV	INVERT	SA	SUPPLY AIR		
DMFP	DAMP PROOFING	JAN	JANITOR	SC	SOLID CORE		
DN	DOWN	JST	JOIST	SD	STORM DRAIN		
DO	DOOR OPENING	JT	JOINT	SECT	SECTION		
DR	DOOR	KA	KITCHEN	SF	SQUARE FEET/FOOT		
DRN	DRAIN	LAM	LAMINATE	SHT	SHEET		
DS	DOWNSPOUT	LAV	LAVATORY	SIM	SIMILAR		
DTL	DETAIL	LB	POUNDS	SM	SHEET METAL		
DW	DISHWASHER	LG	LIGHT GAUGE METAL	SM	SHEET METAL		
DWG	DRAWING	LLH	LONG LEG HORIZONTAL	SM	SHEET METAL		
E	EAST	LLV	LONG LEG VERTICAL	SM	SHEET METAL		
EA	EACH	MAX	MAXIMUM	SM	SHEET METAL		
EC	ELECTRICAL CONTRACT (OR)	MECH	MECHANICAL	SM	SHEET METAL		
EJ	EXPANSION JOINT	MED	MEDIUM	SM	SHEET METAL		
EJC	EXPANSION JOINT COVER	MEMBR	MEMBRANE	SM	SHEET METAL		
EL	ELEVATION	MFR	MANUFACTURER	SM	SHEET METAL		
ELC	ELECTRICAL	MH	MAN HOLE	SM	SHEET METAL		
ELEV	ELEVATOR			SM	SHEET METAL		
EMER	EMERGENCY			SM	SHEET METAL		
ENCL	ENCLOSURE			SM	SHEET METAL		
ENG	ENGINEER			SM	SHEET METAL		
EP	ELECTRICAL PANEL			SM	SHEET METAL		
EPDM	ETHYLENE PROPYLENE DIENE M-CCLASS			SM	SHEET METAL		
EQ	EQUAL			SM	SHEET METAL		

CODE / PHASING

A0.1	CODE ANALYSIS AND NOTES
A0.2	CODE ANALYSIS AND NOTES
A0.3	LIFE SAFETY PLANS - BASE BID
A0.4	GENERAL NOTES AND PARTITION TYPES
A0.5	PHASING PLANS
A0.6	PHASING PLANS
A0.7	PHASING PLANS
A0.8	PHASING PLANS
C-1	LAND DEVELOPMENT PLAN
C-2	EXISTING CONDITIONS PLAN
C-3	SITE DEMOLITION PLAN
C-4	GRADING PLAN
C-5	UTILITIES PROFILES PLAN
C-6	UTILITIES PROFILES PLAN
C-7	UTILITIES PROFILES PLAN
C-8	UTILITIES PLAN
C-9	EROSION & SEDIMENT CONTROL PLAN
C-10	CONSTRUCTION DETAILS PLAN
C-11	CONSTRUCTION DETAILS PLAN
C-12	CONSTRUCTION DETAILS PLAN
C-13	SANITARY SEWER CONSTRUCTION DETAILS PLAN
C-14	WATER SERVICE DETAILS PLAN
C-15	LANDSCAPE PLAN
C-16	TRAFFIC CONTROL & STRIPING PLAN
C-17	TRAFFIC CONTROL SIGN DETAILS PLAN
C-18	TRAFFIC CONTROL PAVEMENT MARKINGS DETAIL PLAN
C-19	BUS TURNING PLAN
C-20	PHASE 1 - SITE DEMOLITION PLAN
C-21	PHASE 1 - GRADING PLAN
C-22	PHASE 1 - EROSION & SEDIMENT CONTROL PLAN

ARCHITECTURAL

AD1.0	OVERALL DEMOLITION PLAN
AD1.1	LEVEL 1 DEMOLITION PLAN - AREA A1
AD1.2	LEVEL 1 DEMOLITION PLAN - AREA A2
AD1.3	LEVEL 1 DEMOLITION PLAN - AREA B4
AD1.4	LEVEL 1 DEMOLITION PLAN - AREA B3
AD1.5	LEVEL 2 DEMOLITION PLAN - AREA A1
AD1.6	LEVEL 2 DEMOLITION PLAN - AREA B1
AD1.7	LEVEL 2 DEMOLITION PLAN - AREA B2
A1.0	OVERALL FLOOR PLANS - BASE BUILDING
A1.0.1	OVERALL FLOOR PLANS - ALT 1
A1.0.2	OVERALL FLOOR PLANS - ALT 2
A1.0.3	OVERALL FLOOR PLANS - ALT 3
A1.1	LEVEL 1 FLOOR PLAN - AREA A1
A1.2	LEVEL 1 FLOOR PLAN - AREA A2 & B2
A1.3	LEVEL 1 FLOOR PLAN - AREA B3
A1.4	LEVEL 1 FLOOR PLAN - AREA B4
A1.5	LEVEL 1 FLOOR PLAN - AREA C
A1.6	LEVEL 2 FLOOR PLAN - AREA A1
A1.6.1	LEVEL 2 FLOOR PLAN - AREA A1 ALT 2
A1.7	LEVEL 2 FLOOR PLAN - AREA B1
A1.8	LEVEL 2 FLOOR PLAN - AREA B2
A1.9	LEVEL 2 FLOOR PLAN - AREA C

ARCHITECTURAL

A1.10	LEVEL 3 FLOOR PLAN - AREA A1
A1.10.1	LEVEL 3 FLOOR PLAN - AREA A1 ALT 1&2
A1.11	MEZZANINE FLOOR PLAN - AREA B3/B4
A1.12	PLAN DETAILS
A1.13	PLAN DETAILS
A2.0	OVERALL EXTERIOR ELEVATIONS
A2.0.3	OVERALL EXTERIOR ELEVATIONS - ALT 3
A2.1	EXTERIOR ELEVATIONS - AREA A
A2.2	EXTERIOR ELEVATIONS - AREA A/B
A2.3	EXTERIOR ELEVATIONS - AREA A/B
A2.4	EXTERIOR ELEVATIONS - AREA B
A2.5	EXTERIOR ELEVATIONS - AREA C
A2.5.3	EXTERIOR ELEVATIONS - AREA C - ALT 3
A2.6	EXTERIOR ELEVATIONS - MISC. DETAILS
A3.1	BUILDING SECTIONS - AREA A / B2
A3.2	BUILDING SECTIONS - AREA B1
A3.3	BUILDING SECTIONS - AREA A1 / B1
A3.4	BUILDING SECTIONS - AREA B4 / B3
A3.5	BUILDING SECTIONS - AREA C
A3.5.3	BUILDING SECTIONS - AREA C - ALT 3
A4.1	WALL SECTIONS AND DETAILS - AREA A
A4.2	WALL SECTIONS AND DETAILS - AREA A
A4.3	WALL SECTIONS AND DETAILS - AREA A
A4.4	WALL SECTIONS AND DETAILS - AREA A
A4.5	WALL SECTIONS AND DETAILS - AREA A
A4.6	WALL SECTIONS AND DETAILS - AREA B1 & B2
A4.7	WALL SECTIONS AND DETAILS - AREA B3
A4.8	WALL SECTIONS AND DETAILS - AREA C
A4.8.3	WALL SECTIONS AND DETAILS - AREA C - ALT 3
A4.9	WALL SECTIONS AND DETAILS - AREA C
A4.9.3	WALL SECTIONS AND DETAILS - AREA C - ALT 3
A5.0	ROOF DEMOLITION PLAN
A5.1	ROOF PLAN - BASE BID
A5.1.3	ROOF PLAN - ALT 3
A5.2	TYPICAL ROOF DETAILS - EXISTING CONSTRUCTION
A5.3	TYPICAL ROOF DETAIL - NEW CONSTRUCTION
A5.4	TYPICAL ROOF DETAIL - NEW CONSTRUCTION
A5.5	CANOPY ROOF PLANS
A5.6	CANOPY ROOF PLANS
A6.1	LEVEL 1 REFLECTED CEILING PLAN - AREA A1
A6.2	LEVEL 1 REFLECTED CEILING PLAN - AREA A2 & B2
A6.3	LEVEL 1 REFLECTED CEILING PLAN - AREA B3
A6.4	LEVEL 1 REFLECTED CEILING PLAN - AREA B4
A6.5	LEVEL 1 REFLECTED CEILING PLAN - AREA C
A6.6	LEVEL 2 REFLECTED CEILING PLAN - AREA A1
A6.6.2	LEVEL 2 REFLECTED CEILING PLAN - AREA A1 - ALT 2
A6.7	LEVEL 2 REFLECTED CEILING PLAN - AREA B1
A6.8	LEVEL 2 REFLECTED CEILING PLAN - AREA B2
A6.9	LEVEL 2 REFLECTED CEILING PLAN - AREA C
A6.10	LEVEL 3 REFLECTED CEILING PLAN - AREA A1
A6.10.1	LEVEL 3 REFLECTED CEILING PLAN - AREA A1 - ALT 1 & 2
A7.1	ELEVATOR EL-1 - PLANS, SECTIONS, AND DETAILS
A7.2	ELEVATOR EL-2 - PLANS, SECTIONS, AND DETAILS
A7.3	STAIR A-ST2 - PLANS AND SECTIONS
A7.4	STAIR A-ST3 - PLANS AND SECTIONS
A7.5	STAIR B-ST1 - PLANS AND SECTIONS
A7.6	STAIR C-ST1 - PLANS AND SECTIONS
A7.7	STAIR C-ST2 - PLANS AND SECTIONS
A7.8	STAIR A-ST1 AND B-ST2
A7.9	STAIR AREA B3 / B4 AND STAGE RAMP

ARCHITECTURAL

A7.10	TYPICAL STAIR DETAILS
A8.1	LEVEL 1 INTERIORS PLAN - AREA A1
A8.2	LEVEL 1 INTERIORS PLAN - AREA A2 & B2
A8.3	LEVEL 1 INTERIORS PLAN - AREA B3
A8.4	LEVEL 1 INTERIORS PLAN - AREA B4
A8.5	LEVEL 1 INTERIORS PLAN - AREA C
A8.6	LEVEL 2 INTERIORS PLAN - AREA A1
A8.7	LEVEL 2 INTERIORS PLAN - AREA B1
A8.8	LEVEL 2 INTERIORS PLAN - AREA B2
A8.9	LEVEL 3 INTERIORS PLAN - AREA A1
A8.10	INTERIOR ELEVATIONS - LEVEL 1 - AREA A1
A8.11	INTERIOR ELEVATIONS - LEVEL 1 - AREA A1
A8.12	INTERIOR ELEVATIONS - LEVEL 1 - AREA A1
A8.13	INTERIOR ELEVATIONS - LEVEL 1 - AREA A2
A8.14	INTERIOR ELEVATIONS - LEVEL 1 - AREA A2 & B1
A8.15	INTERIOR ELEVATIONS - LEVEL 1 - AREA B1
A8.16	INTERIOR ELEVATIONS - LEVEL 1 AREA B3
A8.17	INTERIOR ELEVATIONS - LEVEL 1 - AREA B4
A8.18	INTERIOR ELEVATIONS - LEVEL 1 - AREA B2
A8.19	INTERIOR ELEVATIONS - LEVEL 1 - AREA C
A8.20	INTERIOR ELEVATIONS - LEVEL 1 - AREA C
A8.21	INTERIOR ELEVATIONS - LEVEL 2 - AREA A
A8.22	INTERIOR ELEVATIONS - LEVEL 2 - AREA B1
A8.23	INTERIOR ELEVATIONS - LEVEL 2 - AREA B2
A8.24	INTERIOR ELEVATIONS - LEVEL 2 - AREA B2
A8.25	INTERIOR ELEVATIONS - LEVEL 3 - AREA A
A8.26	INTERIOR ELEVATIONS - LEVEL 3 - AREA A
A8.27	ACCESSIBILITY DETAILS
A8.28	ENLARGED RESTROOM PLANS
A8.29	ENLARGED RESTROOM PLANS
A8.30	RESTROOM INTERIOR ELEVATIONS
A8.31	RESTROOM INTERIOR ELEVATIONS
A8.32	CORRIDOR INTERIOR ELEVATIONS
A8.33	CORRIDOR INTERIOR ELEVATIONS
A8.34	CORRIDOR INTERIOR ELEVATIONS
A8.35	CORRIDOR INTERIOR ELEVATIONS
A8.36	CORRIDOR INTERIOR ELEVATIONS
A8.37	MULTIPURPOSE ROOM INTERIOR ELEVATIONS
A9.4	WINDOW SCHEUDE AND DETAILS
A9.5	OPERABLE PARTITIONS
A10.1	LEVEL 1 FINISH PLAN - AREA A1
A10.2	LEVEL 1 FINISH PLAN - AREA A2 & B2
A10.3	LEVEL 1 FINISH PLAN - AREA B3
A10.4	LEVEL 1 FINISH PLAN - AREA B4
A10.5	LEVEL 1 FINISH PLAN - AREA C
A10.6	LEVEL 2 FINISH PLAN - AREA A1
A10.7	LEVEL 2 FINISH PLAN - AREA B1
A10.8	LEVEL 2 FINISH PLAN - AREA B2
A10.9	LEVEL 3 FINISH PLAN - AREA A1
A10.10	FINISH SCHEDULES LEVEL 1 & FINISH LEGEND
A10.11	FINISH SCHEDULES LEVELS 2 & 3
A11.1	STORAGE SHED
A11.2	PLAYGROUND

FOOD SERVICE

FS-1.0	FOODSERVICE EQUIPMENT PLAN
FS-1.1	FOODSERVICE EQUIPMENT SCHEDULE
FS-1.2	FOODSERVICE ELECTRICAL PLAN
FS-1.3	FOODSERVICE PLUMBING PLAN
FS-1.4	FOODSERVICE UTILITIES SCHEDULES
FS-1.5	FOODSERVICE SPECIAL CONDITIONS PLAN
FS-2.0	FOODSERVICE WALK-IN DETAILS
FS-2.1	FOODSERVICE WALK-IN DETAILS

STRUCTURAL

S-0.0	GENERAL STRUCTURAL NOTES & SCHEDULES
S-0.1	SCHEDULE OF SPECIAL INSPECTIONS
S-1.0	AREA A1 - FOUNDATION PLAN
S-1.1	AREA B4 - FOUNDATION PLAN
S-1.2	AREA B2 & B3 - FOUNDATION PLAN
S-1.3	AREA B1 - FDN. / FRMG. PLANS & DETAILS
S-1.4	AREA C - BASE BID / DEDUCT ALT. 1, 2, & 3 FDN. PLAN
S-1.5	AREA A1 - SECOND FLR. FRMG PLAN
S-1.6	AREA C - BASE BID / DEDUCT ALT. 1 & 2 2ND FLR. FRMG. PLAN
S-1.7	AREA A1 - THIRD FLR. & LOW ROOF FRMG. PLAN
S-1.8	AREA A1 - ROOF FRMG. PLAN
S-1.9	AREA B4 - ROOF FRAMING PLAN
S-1.10	AREA B3 - ROOF FRAMING PLAN
S-1.11	AREA C - BASE BID / DEDUCT ALT. 1 & 2 ROOF FRMG. PLAN
S-1.12	AREA C - DEDUCT ALT. 3 ROOF FRMG. PLAN
S-1.13	AREA A2 & B1 - PARTIAL ROOF FRMG. PLANS
S-1.14	AREA B1 CANOPY PLANS
S-1.15	AREA B2 - SECOND FLOOR FRAMING PLAN
S-2.0	SECTIONS
S-2.1	SECTIONS
S-2.2	SECTIONS
S-2.3	SECTIONS
S-3.0	TYPICAL DETAILS
S-3.1	TYPICAL DETAILS
S-3.2	TYPICAL DETAILS

ADDITIONS AND RENOVATIONS TO THE

FOLCROFT TECHNICAL SCHOOL
DELAWARE COUNTY
INTERMEDIATE UNIT
701 HENDERSON BLVD.
FOLCROFT, PA 19032

ISSUE DATES	DESCRIPTION	BID SET
DATE:		
03/17/2025		
PROJ #:	21-DCIU-03	DRAWN BY: KLG
SHEET TITLE:		

COVER SHEET

CS1

BID SET

BUILDING CODE ANALYSIS:

PENNSYLVANIA UNIFORM CONSTRUCTION CODE (UCC):
INTERNATIONAL BUILDING CODE - 2018
INTERNATIONAL EXISTING BUILDING CODE - 2018
INTERNATIONAL FIRE CODE - 2018
INTERNATIONAL PLUMBING CODE - 2018
INTERNATIONAL ENERGY CONSERVATION CODE - 2018
INTERNATIONAL MECHANICAL CODE - 2018
ICC A117.1 - 2009 ACCESSIBILITY CODE, CHAPTER 11 AND APPENDIX E OF 2018 INTERNATIONAL BUILDING CODE

03. USE AND OCCUPANCY CLASSIFICATION

305 EDUCATION GROUP E - THROUGH 12TH GRADE

303 ASSEMBLY GROUP A-3 (MULTI-PURPOSE AND CAFETERIA)

303.1.3 ASSOCIATED WITH GROUP E OCCUPANCIES: A ROOM OF SPACE USED FOR ASSEMBLY PURPOSES THAT IS ASSOCIATED WITH A GROUP E OCCUPANCY IS NOT CONSIDERED A SEPARATE OCCUPANCY.

304 BUSINESS B - (ADMINISTRATION AREAS AND NURSE)

04. SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

410 STAGES AND PLATFORMS

410.4 PLATFORM CONSTRUCTION: PERMANENT PLATFORMS SHALL BE CONSTRUCTED OF MATERIALS AS REQUIRED FOR THE TYPE OF CONSTRUCTION OF THE BUILDING IN WHICH THE PERMANENT PLATFORMS ARE PERMITTED TO BE CONSTRUCTED OF FIRE-RETARDANT TREATED WOOD FOR TYPES I, II, AND IV CONSTRUCTION WHERE THE PLATFORMS ARE NOT MORE THAN 30 INCHES ABOVE THE MAIN FLOOR, AND NOT MORE THAN ONE THIRD OF THE ROOM FLOOR AREA AND NOT MORE THAN 3,000 SF IN AREA.

05. GENERAL BUILDING HEIGHTS AND AREAS

EXTERIOR DOORS SHALL BE PROVIDED WITH IDENTIFICATION WHERE REQUIRED BY THE FIRE OFFICIAL TO FACILITATE AN EMERGENCY RESPONSE. DOOR IDENTIFICATION SHALL BE LEGIBLE AND PLACED IN A POSITION THAT IS VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND AND EACH CHARACTER SHALL NOT BE LESS THAN 4 INCHES WITH A MINIMUM STROKE OF 1/2".

TABLE 504.3.5 504.4 & 506.2 ALLOWABLE BUILDING HEIGHTS AND AREAS

GROUP: E
TYPE OF CONSTRUCTION: TYPE IIB
HEIGHT LIMITATION: 3 STORIES, 75 FEET
AREA LIMITATION: 43,500 SF PER STORY / 58,000 SF PER STORY

ACTUAL BUILDING SIZE: HEIGHT: 47'-4" MAX STORIES: 3	
BUILDING A (EXIST), 70,649 SF, MAX. HEIGHT 28'-2" FIRST FLOOR = 28,473 SF SECOND FLOOR = 44,176 SF	
BUILDING B 30,354 SF, MAX. HEIGHT 42'-8" FIRST FLOOR = 10,162 SF SECOND FLOOR = 10,096 SF THIRD FLOOR = 10,096 SF	
BUILDING C 30,704 SF, MAX. HEIGHT 33'-4" FIRST FLOOR = 15,488 SF SECOND FLOOR = 15,216 SF	
BUILDING D 45,927 SF, MAX. HEIGHT 19'-4" FIRST FLOOR = 45,927 SF	

06. TYPES OF CONSTRUCTION

602 CONSTRUCTION CLASSIFICATION

602.2 TYPES I AND II, TYPES I AND II CONSTRUCTION ARE THOSE TYPES OF CONSTRUCTION IN WHICH THE BUILDING ELEMENTS LISTED IN TABLE 601 ARE OF NONCOMBUSTIBLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 AND ELSEWHERE IN THIS CODE.

TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

BUILDING ELEMENT	TYPE
PRIMARY STRUCTURAL FRAME	IIB
BEARING WALLS EXTERIOR INTERIOR	0 0
NONBEARING WALLS AND PARTITIONS EXTERIOR INTERIOR	0 0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0

TABLE 602 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE

FIRE SEPARATION DISTANCE = X (FEET)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP A, B, E, F, I, R, S, 2, U
X < 5'	ALL	1
5' < X < 10'	OTHERS	1
10' < X < 30'	IIB, VB	0
X ≥ 30'	ALL	0

07. FIRE AND SMOKE PROTECTION FEATURES

705 EXTERIOR WALLS

705.1 FIRE-RESISTANCE RATINGS. EXTERIOR WALLS SHALL BE FIRE-RESISTANCE RATED IN ACCORDANCE WITH TABLES 601 AND 602 AND THIS SECTION. THE REQUIRED FIRE-RESISTANCE RATING OF EXTERIOR WALLS WITH A FIRE SEPARATION DISTANCE OF GREATER THAN 10 FEET SHALL BE RATED FOR EXPOSURE TO FIRE FROM THE INSIDE. THE REQUIRED FIRE-RESISTANCE RATING OF EXTERIOR WALLS WITH A FIRE SEPARATION DISTANCE OF LESS THAN OR EQUAL TO 10 FEET SHALL BE RATED FOR EXPOSURE TO FIRE FROM BOTH SIDES.

705.8 OPENINGS. OPENINGS IN EXTERIOR WALLS SHALL COMPLY WITH SECTIONS 705.8.1 THROUGH 705.8.6.

705.8.1 ALLOWABLE AREA OF OPENINGS. THE MAXIMUM AREA OF UNPROTECTED AND PROTECTED OPENINGS PERMITTED IN AN EXTERIOR WALL IN ANY STORY OF A BUILDING SHALL NOT EXCEED THE PERCENTAGES SPECIFIED IN TABLE 705.8.

EXCEPTION: BUILDINGS WHOSE EXTERIOR BEARING WALLS, EXTERIOR NONBEARING WALLS AND EXTERIOR PRIMARY STRUCTURAL FRAME ARE NOT REQUIRED TO BE FIRE-RESISTANCE RATED SHALL BE PERMITTED TO HAVE UNLIMITED UNPROTECTED OPENINGS.

TABLE 705.8 MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION:

FIRE SEPARATION DISTANCE	DEGREE OF OPENING PROTECTION	ALLOWABLE AREA
20 TO LESS THAN 25	UP, S	NO LIMIT

706 FIRE WALLS

EACH PORTION OF A BUILDING SEPARATED BY ONE OR MORE FIRE WALLS THAT COMPLY WITH THE PROVISIONS OF THIS SECTION SHALL BE CONSIDERED A SEPARATE BUILDING.

706.2 STRUCTURAL STABILITY. FIRE WALLS SHALL BE DESIGNED AND CONSTRUCTED TO ALLOW COLLAPSE OF THE STRUCTURE ON EITHER SIDE WITHOUT COLLAPSE OF THE WALL UNDER FIRE CONDITIONS. FIRE WALLS DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH NFPA 221 SHALL BE DEEMED TO COMPLY WITH THIS SECTION.

706.3 MATERIALS. FIRE WALLS SHALL BE OF ANY APPROVED NON-COMBUSTIBLE MATERIALS.

706.4 FIRE-RESISTANCE RATING. FIRE WALLS SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN THAT REQUIRED BY TABLE 706.4.

GROUP	FIRE-RESISTANCE RATING (hours)
A, B, E, H-1, I, R-1, R-2, U	3"
F-1, H-3, H-5, M, S-1	3
H-1, H-2	4"
F-2, S-2, R-3, R-4	2

a. In Type II or V construction, walls shall be permitted to have a 2-hour fire-resistance rating.
b. For Group H-1, H-2 or H-3 buildings, also see Sections 415.7 and 415.8.

706.5 HORIZONTAL CONTINUITY. FIRE WALLS SHALL BE CONTINUOUS FROM EXTERIOR WALL TO EXTERIOR WALL AND SHALL EXTEND NOT LESS THAN 18 INCHES BEYOND THE EXTERIOR SURFACE OF EXTERIOR WALLS.

EXCEPTIONS:
1. FIRE WALLS SHALL BE PERMITTED TO TERMINATE AT THE INTERIOR SURFACE OF COMBUSTIBLE EXTERIOR SHEATHING OR SIDING PROVIDED THAT THE EXTERIOR WALL HAS A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOUR FOR A HORIZONTAL DISTANCE OF NOT LESS THAN 4 FEET (1220 MM) ON BOTH SIDES OF THE FIRE PROTECTION RATING OF NOT LESS THAN 3/4 HOUR.

2. FIRE WALLS SHALL BE PERMITTED TO TERMINATE AT THE INTERIOR SURFACE OF NONCOMBUSTIBLE EXTERIOR SHEATHING, EXTERIOR SIDING OR OTHER NONCOMBUSTIBLE EXTERIOR FINISHES PROVIDED THAT THE SHEATHING, SIDING OR OTHER EXTERIOR NONCOMBUSTIBLE FINISH EXTENDS A HORIZONTAL DISTANCE OF NOT LESS THAN 4 FEET (1220 MM) ON BOTH SIDES OF THE FIRE WALL.

3. FIRE WALLS SHALL BE PERMITTED TO TERMINATE AT THE INTERIOR SURFACE OF NONCOMBUSTIBLE EXTERIOR SHEATHING WHERE THE BUILDING ON EACH SIDE OF THE FIRE WALL IS PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.

706.5.1 EXTERIOR WALLS. WHERE THE FIRE WALL INTERSECTS EXTERIOR WALLS, THE FIRE-RESISTANCE RATING AND OPENING PROTECTION OF THE EXTERIOR WALLS SHALL COMPLY WITH ONE OF THE FOLLOWING.

1. EXTERIOR WALLS ON BOTH SIDES OF THE FIRE WALL SHALL HAVE A 1-HOUR FIRE-RESISTANCE RATING WITH 3/4-HOUR PROTECTION WHERE OPENING PROTECTION IS REQUIRED BY SECTION 705.8. THE FIRE-RESISTANCE RATING OF THE EXTERIOR WALL SHALL EXTEND A MINIMUM OF 4 FEET ON EACH SIDE OF THE INTERSECTION OF THE FIRE WALL TO EXTERIOR WALL.

706.6 VERTICAL CONTINUITY. FIRE WALLS SHALL EXTEND FROM THE FOUNDATION TO A TERMINATION POINT AT LEAST 30 INCHES ABOVE BOTH ADJACENT ROOFS.

EXCEPTIONS:

2. TWO-HOUR FIRE-RESISTANCE-RATED WALLS SHALL BE PERMITTED TO TERMINATE AT THE UNDERSIDE OF THE ROOF SHEATHING, DECK OR SLAB, PROVIDED THAT:

2.1. THE LOWER ROOF ASSEMBLY WITHIN 4 FEET (1220 MM) OF THE WALL HAS NOT LESS THAN A 1-HOUR FIRE-RESISTANCE RATING AND THE ENTIRE LENGTH AND SPAN OF SUPPORTING ELEMENTS FOR THE RATED ROOF ASSEMBLY HAS A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOUR.

2.2. OPENINGS IN THE ROOF SHALL NOT BE LOCATED WITHIN 4 FEET (1220 MM) OF THE FIRE WALL.

2.3. EACH BUILDING SHALL BE PROVIDED WITH NOT LESS THAN A CLASS B ROOF COVERING.

3. WALLS SHALL BE PERMITTED TO TERMINATE AT THE UNDERSIDE OF NONCOMBUSTIBLE ROOF SHEATHING, DECK OR SLABS WHERE BOTH BUILDINGS ARE PROVIDED WITH NOT LESS THAN A CLASS B ROOF COVERING, OPENINGS IN THE ROOF SHALL NOT BE LOCATED WITHIN 4 FEET (1220 MM) OF THE FIREWALL.

706.8 OPENINGS. EACH OPENING THROUGH A FIRE WALL SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 716 AND SHALL NOT EXCEED 150 SQUARE FEET. THE AGGREGATE WIDTH OF OPENINGS AT ANY FLOOR LEVEL SHALL NOT EXCEED 25 PERCENT OF THE LENGTH OF THE WALL.

EXCEPTION:

2. OPENINGS SHALL NOT BE LIMITED TO 150 SQUARE FEET WHERE BOTH BUILDINGS ARE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1.

706.9 PENETRATIONS. PENETRATIONS OF FIRE WALLS SHALL COMPLY WITH SECTION 714.

706.10 JOINTS. JOINTS MADE IN OR BETWEEN FIRE WALLS SHALL COMPLY WITH SECTION 715.

706.11 DUCTS AND AIR TRANSFER OPENINGS. DUCTS AND AIR TRANSFER OPENINGS SHALL NOT PENETRATE FIRE WALLS.

712 VERTICAL OPENINGS

712.1 GENERAL. EACH VERTICAL OPENING SHALL COMPLY IN ACCORDANCE WITH ONE OF THE PROTECTION METHODS IN SECTIONS 712.1.1 THROUGH 712.1.16.

713 SHAFT ENCLOSURES

713.1 GENERAL. THE PROVISIONS OF THIS SECTION SHALL APPLY TO SHAFTS REQUIRED TO PROTECT OPENINGS AND PENETRATIONS THROUGH FLOOR/CEILING ASSEMBLIES. INTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE ENCLOSED IN ACCORDANCE WITH SECTION 1023.

713.2 CONSTRUCTION. SHAFT ENCLOSURES SHALL BE CONSTRUCTED AS FIRE BARRIERS IN ACCORDANCE WITH SECTION 707 OR HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH SECTION 711, OR BOTH.

913.2.1 PROTECTION OF FIRE PUMP ROOMS. FIRE PUMPS SHALL BE LOCATED IN ROOMS THAT ARE SEPARATED FROM ALL OTHER AREAS OF THE BUILDING BY 2-HOUR FIRE BARRIERS CONSTRUCTED IN ACCORDANCE WITH SECTION 707 OR 2-HOUR HORIZONTAL ASSEMBLIES CONSTRUCTED IN ACCORDANCE WITH SECTION 711, OR BOTH.

EXCEPTIONS: 1. IN OTHER THAN HIGH-RISE BUILDINGS, SEPARATION BY 1-HOUR FIRE BARRIERS CONSTRUCTED IN ACCORDANCE WITH SECTION 707 OR 1-HOUR HORIZONTAL ASSEMBLIES CONSTRUCTED IN ACCORDANCE WITH SECTION 711, OR BOTH, SHALL BE PERMITTED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.

714.4 FIRE-RESISTANCE RATING. SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 2 HOURS WHERE CONNECTING FOUR STORIES OR MORE, AND NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES. THE NUMBER OF STORIES CONNECTED BY THE SHAFT ENCLOSURE SHALL INCLUDE ANY BASEMENTS BUT NOT ANY MEZZANINES. SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING NOT LESS THAN THE FLOOR ASSEMBLY PENETRATED, BUT NEED NOT EXCEED 2 HOURS. SHAFT ENCLOSURES SHALL MEET THE REQUIREMENTS OF SECTION 703.2.1.

713.6 EXTERIOR WALLS. WHERE EXTERIOR WALLS SERVE AS A PART OF A REQUIRED SHAFT ENCLOSURE, SUCH WALLS SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 705 FOR EXTERIOR WALLS AND THE FIRE-RESISTANCE-RATED ENCLOSURE REQUIREMENTS SHALL NOT APPLY.

713.7 OPENINGS. OPENINGS IN A SHAFT ENCLOSURE SHALL BE PRETECTED IN ACCORDANCE WITH SECTION 716 AS REQUIRED FOR FIRE BARRIERS. DOORS SHALL BE SELF-OR AUTOMATIC-CLOSING BY SMOKE DETECTION IN ACCORDANCE WITH SECTION 716.5.3.

07. SMOKE AND FIRE PROTECTION FEATURES CONTINUED...

714 PENETRATIONS FIRE-RESISTANCE-RATED WALLS.

714.1 PENETRATIONS SHALL COMPLY WITH THE FOLLOWING:

714.1.1 THROUGH PENETRATIONS

714.1.1.1 FIRE-RESISTANCE-RATED ASSEMBLIES. PENETRATIONS SHALL BE INSTALLED AS TESTED IN AN APPROVED FIRE-RESISTANCE-RATED ASSEMBLY.

714.1.1.2 THROUGH-PENETRATION FIRESTOP SYSTEM. THROUGH PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479.

716 FIRE-RESISTANT JOINT SYSTEMS

716.1 GENERAL. JOINTS INSTALLED IN OR BETWEEN FIRE-RESISTANCE-RATED WALLS, FLOOR OR FLOOR/CEILING ASSEMBLIES AND ROOFS OR ROOF/CEILING ASSEMBLIES SHALL BE PROTECTED BY AN APPROVED FIRE-RESISTANCE JOINT SYSTEM DESIGNED TO RESIST THE PASSAGE OF FIRE FOR A TIME PERIOD NOT LESS THAN THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL, FLOOR OR ROOF IN OR BETWEEN WHICH IT IS INSTALLED.

FIRE-RESISTANT JOINT SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH EITHER ASTM E 1966 OF UL 2079.

716 OPENING PROTECTIVES

TABLE 716.2(2) OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS

Assembly	Rating	Marking	Notes	Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test		Fire test	
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PLUMBING CODE ANALYSIS:

INTERNATIONAL PLUMBING CODE - 2018

403.1.1 FIXTURE CALCULATIONS

TO DETERMINE THE OCCUPANT LOAD OF EACH SEX, THE TOTAL OCCUPANT LOAD SHALL BE DIVIDED IN HALF. TO DETERMINE THE REQUIRED NUMBER OF FIXTURES, THE FIXTURE RATIO OR RATIOS FOR FIXTURE TYPE SHALL BE APPLIED TO THE OCCUPANT LOAD OF EACH SEX IN ACCORDANCE WITH TABLE 403.1

403.1.2 SINGLE-USER TOILET FACILITY AND BATHING ROOM FIXTURES.

THE PLUMBING FIXTURES LOCATED IN SINGLE-USER TOILET FACILITIES AND BATHING ROOMS, INCLUDING FAMILY OR ASSISTED USE TOILET AND BATHING ROOMS THAT ARE REQUIRED BY SECTION 1109.2.1 OF THE INTERNATIONAL BUILDING CODE, SHALL CONTRIBUTE TOWARD THE TOTAL NUMBER OF REQUIRED PLUMBING FIXTURES FOR A BUILDING OR TENANT SPACE. SINGLE-USER TOILET FACILITIES AND BATHING ROOMS, AND FAMILY OR ASSISTED-USE TOILET ROOMS AND BATHING ROOMS SHALL BE IDENTIFIED FOR USE BY EITHER SEX.

BUILDING 'A'						
GROUP A-1 (STAFF LOUNGE) - 25 OCC / 2 = 13 MALE, 13 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 25	1 PER 25	1 PER 40	1 PER 40	1 PER 100	1
REQUIRED	0.52	0.52	0.33	0.33	0.25	0
GROUP A-2 (KITCHEN, MULTIPURPOSE, STAGE) - 264 OCC / 2 = 132 MALE, 132 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 75	1 PER 75	1 PER 200	1 PER 200	1 PER 500	1
REQUIRED	1.76	1.76	0.66	0.66	0.53	1
GROUP A-3 (FITNESS/WEIGHT ROOM) - 31 OCC / 2 = 16 MALE, 16 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 125	1 PER 65	1 PER 200	1 PER 200	1 PER 500	1
REQUIRED	0.14	0.25	0.08	0.08	0.06	0
GROUP B (BUSINESS) - 70 OCC / 2 = 35 MALE, 35 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 25	1 PER 25	1 PER 40	1 PER 40	1 PER 100	1
REQUIRED	1.4	1.4	0.88	0.88	0.70	0
GROUP E (EDUCATION) - 560 OCC / 2 = 280 MALE, 280 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 50	1 PER 50	1 PER 50	1 PER 50	1 PER 100	1
REQUIRED	5.60	5.60	5.60	5.60	5.60	1
GROUP S (STORAGE) - 13 OCC / 2 = 7 MALE, 7 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 100	1 PER 100	1 PER 100	1 PER 100	1 PER 1000	1
REQUIRED	0.07	0.07	0.07	0.07	0	0
TOTAL REQUIRED	9.49	9.80	7.62	7.62	7.14	2
TOTAL PROVIDED	19 SINGLE-USER TOILET ROOMS, 4 SHARED TOILET ROOMS				8	

BUILDING 'B'						
GROUP A-1 (WAITING AND CONF. ROOMS) - 68 OCC / 2 = 30 MALE, 30 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 25	1 PER 25	1 PER 40	1 PER 40	1 PER 100	1
REQUIRED	1.2	1.2	0.75	0.75	0.06	1
GROUP A-2 (NUTRITION KITCHEN) - 4 OCC / 2 = 2 MALE, 2 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 75	1 PER 75	1 PER 200	1 PER 200	1 PER 500	1
REQUIRED	0.02	0.02	0.01	0.01	0	0
GROUP B (BUSINESS) - 26 OCC / 2 = 13 MALE, 13 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 25	1 PER 25	1 PER 40	1 PER 40	1 PER 100	1
REQUIRED	0.52	0.52	0.33	0.33	0.26	0
GROUP E (EDUCATION) - 327 OCC / 2 = 164 MALE, 164 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 50	1 PER 50	1 PER 50	1 PER 50	1 PER 100	1
REQUIRED	3.28	3.28	3.28	3.28	3.27	1
GROUP S (STORAGE) - 1 OCC / 2 = 1 MALE, 1 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 100	1 PER 100	1 PER 100	1 PER 100	1 PER 1000	1
REQUIRED	0.01	0.01	0.01	0.01	0	0
TOTAL REQUIRED	5.03	5.03	4.38	4.38	3.59	2
TOTAL PROVIDED	18 SINGLE-USER TOILET ROOMS				4	2

BUILDING 'C'						
GROUP E (EDUCATION) - 152 OCC / 2 = 76 MALE, 76 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 50	1 PER 50	1 PER 50	1 PER 50	1 PER 100	1
REQUIRED	1.52	1.52	1.52	1.52	1.52	0
GROUP S (STORAGE) - 1 OCC / 2 = 1 MALE, 1 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 100	1 PER 100	1 PER 100	1 PER 100	1 PER 1000	1
REQUIRED	0.01	0.01	0.01	0.01	0	0
TOTAL REQUIRED	1.53	1.53	1.53	1.53	1.52	1
TOTAL PROVIDED	3 SINGLE-USER TOILET ROOMS				2	

BUILDING 'D'						
GROUP E (EDUCATIONAL) - 380 OCC / 2 = 190 MALE, 190 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 50	1 PER 50	1 PER 50	1 PER 50	1 PER 100	1
REQUIRED	3.80	3.80	3.80	3.80	3.80	1
GROUP S (STORAGE/MECH) - 19 OCC / 2 = 10 MALE, 10 FEMALE						
	Male WC	Female WC	Male Lav	Female Lav	DF	Service Sink
	1 PER 100	1 PER 100	1 PER 100	1 PER 100	1 PER 1,000	1
REQUIRED	0.10	0.10	0.10	0.10	0	0
TOTAL REQUIRED	3.90	3.90	3.90	3.90	3.80	1
TOTAL PROVIDED	10 SINGLE-USER TOILET ROOMS				5	

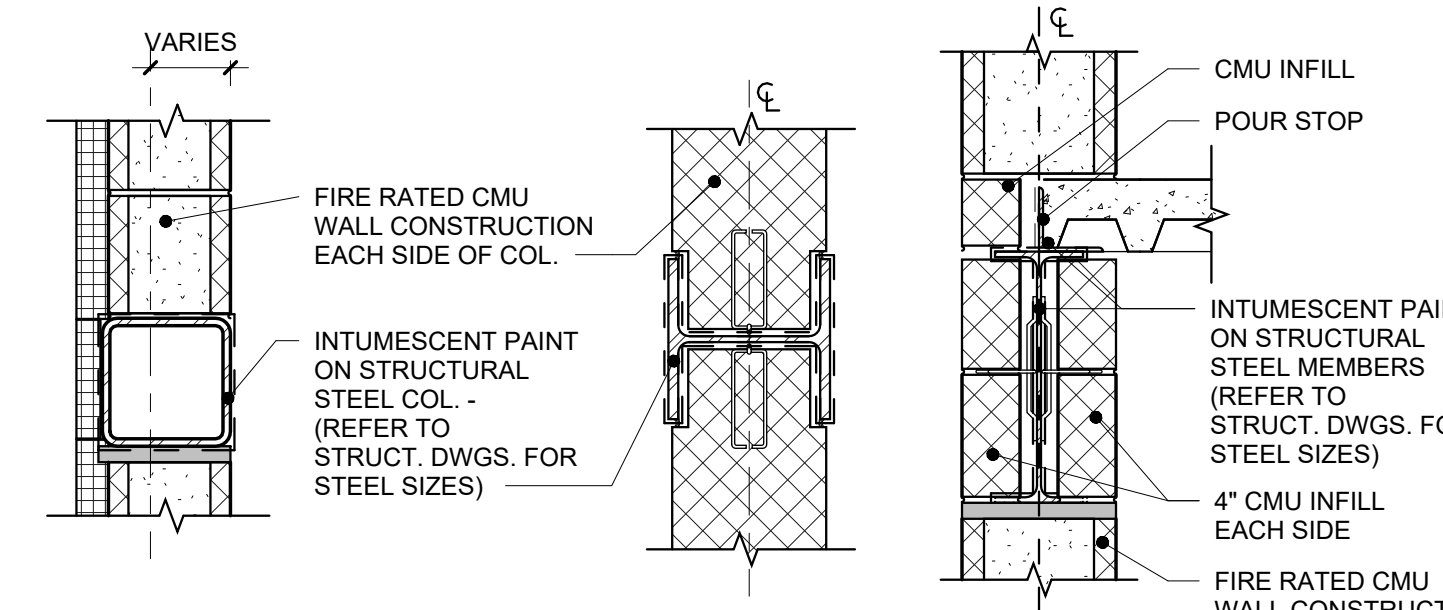
5% OF LOCKERS TO BE ADA ACCESSIBLE AND MEET ALL REQUIREMENTS PER 2009 ICC - A117.1
PROVIDE ADA ACCESSIBLE LOCKERS IDENTIFIED LOCATIONS ON INTERIOR FLOOR PLANS.

BUILDING A		ALLOWABLE	DESIGN OCC.
EDUCATIONAL SHOP	50 SF NET / OCC	6,810 SF	136
EDUCATIONAL CLASSROOM	20 SF NET / OCC	16,473 SF	824
BUSINESS	150 SF GROSS / OCC	7,522 SF	132
ASSEMBLY (FITNESS/WEIGHT RM)	50 SF GROSS / OCC	1,534 SF	31
ASSEMBLY (MULTIPURPOSE/ STAGE / CONF)	5 SF NET / OCC	6,721 SF	1,264
KITCHEN	200 SF GROSS / OCC	3,773 SF	19
STORAGE	300 SF GROSS / OCC	3,508 SF	11
TOTAL BUILDING A		46,341 SF	2,417

BUILDING B		ALLOWABLE	DESIGN OCC.
EDUCATIONAL CLASSROOM	20 SF NET / OCC	13,191 SF	662
BUSINESS	150 SF GROSS / OCC	3,022 SF	24
KITCHEN (NUTRITION KITCHEN)	200 SF GROSS / OCC	800 SF	4
ASSEMBLY (CONF / WAITING)	15 SF NET / OCC	1,342 SF	99
MAINTENANCE/STORAGE	300 SF GROSS / OCC	319 SF	1
TOTAL BUILDING B		18,643 SF	781

BUILDING C		ALLOWABLE	DESIGN OCC.
EDUCATIONAL CLASSROOM	20 SF NET / OCC	9,819 SF	71
EDUCATION SHOP	50 SF NET / OCC	781 SF	196
STORAGE	300 SF GROSS / OCC	225 SF	1
TOTAL BUILDING C		10,825 SF	1,106

BUILDING D		ALLOWABLE	DESIGN OCC.
EDUCATIONAL CLASSROOM	20 SF NET / OCC	2,450 SF	155
EDUCATIONAL SHOP	50 SF NET / OCC	25,498 SF	666
STORAGE	300 SF GROSS / OCC	3,024 SF	19
TOTAL BUILDING D		30,972 SF	840



NOTE: REFER TO INTUMESCENT PAINT MFGR FOR UL RATINGS AND THICKNESSES.

3 A0.2 TYP. INTUMESCENT PAINT DETAILS
1" = 1'-0"

IEBC

INTERNATIONAL EXISTING BUILDING CODE - 2018

CHAPTER 6

604.1 SCOPE. LEVEL 3 ALTERATIONSAPPLY WHERE THE WORK AREA EXCEEDS 50 PERCENT OF THE BUILDING AREA.

604.2 APPLICATION. LEVEL 3 ALTERATIONS SHALL COMPLY WITH THE PROVISIONS OF CHAPTERS 7 AND 8 FOR LEVEL 1 AND 2 ALTERATIONS RESPECTIVELY, AS WELL AS THE PROVISIONS OF CHAPTER 9.

CHAPTER 9

901.1 SCOPE. LEVEL 3 ALTERATIONS AS DESCRIBED IN SECTION 604 SHALL COMPLY WITH THE REQUIREMENTS OF THIS CHAPTER.

901.2 COMPLIANCE. IN ADDITION TO THE PROVISIONS OF THIS CHAPTER, WORK SHALL COMPLY WITH ALL OF THE REQUIREMENTS OF CHAPTERS 7 AND 8. THE REQUIREMENTS OF SECTIONS 802, 803, AND 804 SHALL APPLY WITHIN ALL WORK AREAS WHETHER OR NOT THEY INCLUDE EXITS AND CORRIDORS SHARED BY MORE THAN ONE TENANT AND REGARDLESS OF OCCUPANT CODE.

904 FIRE PROTECTION

904.1 AUTOMATIC SPRINKLER SYSTEM. AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED IN A WORK AREA WHERE REQUIRED BY SECTION 802.2 OR THIS SECTION.

904.1.4 OTHER REQUIRED AUTOMATIC SPRINKLER SYSTEMS. IN BUILDINGS AND AREAS LISTED IN TABLE 903.2.11.6 OF THE INTERNATIONAL BUILDING CODE, WORK AREAS THAT HAVE EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT OR THAT HAVE EXITS OR CORRIDORS SERVING AN OCCUPANT LOAD GREATER THAN 30 SHALL BE PROVIDED WITH AN AUTOMATIC SPRINKLER SYSTEM UNDER THE FOLLOWING CONDITIONS:

- THE WORK AREA IS REQUIRED TO BE PROVIDED WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE APPLICABLE TO NEW CONSTRUCTION.
- THE BUILDING SITE HAS SUFFICIENT MUNICIPAL WATER SUPPLY FOR DESIGN AND INSTALLATION OF AN AUTOMATIC SPRINKLER SYSTEM.

904.2 FIRE ALARM AND DETECTION SYSTEMS. FIRE ALARM AND DETECTION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 907 OF THE INTERNATIONAL BUILDING CODE AS REQUIRED FOR NEW CONSTRUCTION.

905 MEANS OF EGRESS

905.1 GENERAL. THE MEANS OF EGRESS SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 805 EXCEPT AS SPECIFICALLY REQUIRED IN SECTIONS 905.2 AND 905.3.

905.2 MEANS-OF-EGRESS LIGHTING. MEANS OF EGRESS FROM THE HIGHEST WORK AREA FLOOR TO THE FLOOR OF EXIT DISCHARGE SHALL BE PROVIDED WITH ARTIFICIAL LIGHTING WITHIN THE EXIT ENCLOSURE IN ACCORDANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

905.3 EXIT SIGNS. MEANS OF EGRESS FROM THE HIGHEST WORK AREA FLOOR TO THE FLOOR OF EXIT DISCHARGE SHALL BE PROVIDED WITH EXIT SIGNS IN ACCORDANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

906 STRUCTURAL

906.1 GENERAL. WHERE BUILDINGS ARE UNDERGOING LEVEL 3 ALTERATIONS, THE PROVISIONS OF THIS SECTION SHALL APPLY.

906.2 EXISTING STRUCTURAL ELEMENTS RESISTING LATERAL LOADS. WHERE WORK INVOLVES A SUBSTANTIAL STRUCTURAL ALTERATION, THE LATERAL LOAD-RESISTING SYSTEM OF THE ALTERED BUILDING SHALL BE SHOWN TO SATISFY THE REQUIREMENTS OF SECTIONS 1609 AND 1613 OF THE INTERNATIONAL BUILDING CODE. REDUCED SEISMIC FORCES SHALL BE PERMITTED.

CHAPTER 11 ADDITIONS

1101 GENERAL

1101.1 SCOPE. AN ADDITION TO A BUILDING OR STRUCTURE SHALL COMPLY WITH THE INTERNATIONAL CODES AS ADOPTED FOR NEW CON-STRUCTION WITHOUT REQUIRING THE EXISTING BUILDING OR STRUCTURE TO COMPLY WITH ANY REQUIREMENTS OF THOSE CODES OR OF THESE PROVISIONS, EXCEPT AS REQUIRED BY THIS CHAPTER. WHERE AN ADDITION IMPACTS THE EXISTING BUILDING OR STRUCTURE, THAT PORTION SHALL COMPLY WITH THIS CODE.

1102 HEIGHTS AND AREAS

1102.1 HEIGHT LIMITATIONS. AN ADDITION SHALL NOT INCREASE THE HEIGHT OF AN EXISTING BUILDING BEYOND THAT PERMITTED UNDER THE APPLICABLE PROVISIONS OF CHAPTER 5 OF THE INTERNATIONAL BUILDING CODE FOR NEW BUILDINGS.

1102.2 AREA LIMITATIONS. AN ADDITION SHALL NOT INCREASE THE AREA OF AN EXISTING BUILDING BEYOND THAT PERMITTED UNDER THE APPLICABLE PROVISIONS OF CHAPTER 6 OF THE INTERNATIONAL BUILDING CODE FOR NEW BUILDINGS UNLESS FIRE SEPARATION AS REQUIRED BY THE INTERNATIONAL BUILDING CODE IS PROVIDED.

PROJECT FIRE RATING AND EMERGENCY LIGHTING NOTES:

- REPAIR ANY DAMAGE TO EXISTING OR NEW ONE AND TWO HOUR FIRE-RATED ENCLOSURES, CEILINGS AND WALLS.
- SEAL AND FIRESTOP ALL PENETRATIONS AND OPENINGS IN ANY FIRE-RATED CONSTRUCTION USING PROPER FIRESTOPPING PRODUCTS INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- EMERGENCY LIGHTING SYSTEMS PROVIDE A MINIMUM OF ONE FOOT CANDLE OF ILLUMINATION FOR A MINIMUM DURATION OF ONE HOUR AS REQUIRED BY THE NATIONAL ELECTRICAL CODE AND IBC 2015.
- MAKE CHANGES OR ADDITIONS TO THE EMERGENCY LIGHTING AND EXIT SIGN SYSTEMS AS REQUIRED BY THE CODE OFFICIAL DURING JOB SITE INSPECTIONS THE CODE OFFICIAL MAY REQUIRE CHANGES OR ADDITIONS TO THE SYSTEM.
- ALL EGRESS TO BE FREE AND CLEAR AT ALL TIMES.

FIRE DETECTION AND PROTECTION SYSTEM NOTES:

ALL FIRE DETECTION AND PROTECTION SYSTEM CONTRACTORS ARE REQUIRED TO HAVE A CERTIFICATE OF FITNESS ISSUED BY THE BUREAU OF FIRE BEFORE WORKING ON ANY FIRE DETECTION OR PROTECTION SYSTEM. APPROVED PLANS ARE REQUIRED TO BE ON SITE AT ALL TIMES.

RATED WALL CONSTRUCTION NOTIFICATION NOTES:

IBC 2015 - HEADING 703.7 - MARKING AND IDENTIFICATION - FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS AND SMOKE BARRIERS ARE TO BE PERMANENTLY IDENTIFIED WITH STENCILING.

- IDENTIFY WALLS ABOVE ACOUSTIC TILE CEILING OR AT ACCESS PANELS IN HARD CEILINGS WITH STENCILING.
- LETTERING IS NOT TO BE LESS THEN 3" IN HEIGHT AND MUST BE REPEATED AT INTERVALS NOT EXCEEDING 30'-0" MEASURED HORIZONTALLY.
- IDENTIFY WALL TYPE AND TIME RATING - REFER TO CODE DRAWINGS FOR FIRE RATED WALL LOCATION AND REQUIRED RATINGS.

FIRE EXTINGUISHER NOTES:

- TOP OF EXTINGUISHER MOUNTING HEIGHT TO BE A MAXIMUM OF 5'-0" A.F.F. (VERIFY MOUNTING HEIGHT WITH AUTHORITIES HAVING JURISDICTION).
- F.E. CABINET PROJECTION - 4" MAX.

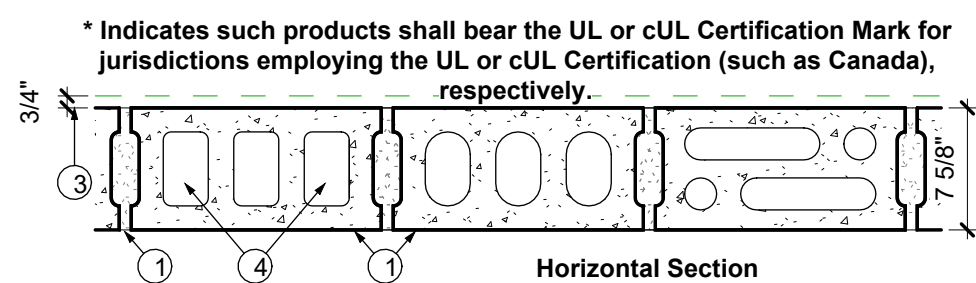
Design No. U905

October 02, 2014

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 HR.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used - See Guide BXUV or BXUV7



1. Concrete Blocks* — Various designs. Classification D-2 (2 hr).

See Concrete Blocks category for list of eligible manufacturers.

2. Mortar — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. Portland Cement Stucco or Gypsum Plaster — Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. Loose Masonry Fill — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kinn Process), water repellent vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

5. Foamed Plastic* — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

ATLAS ROOFING CORP — "EnergyShield Pro Wall Insulation" and "EnergyShield Pro 2 Wall Insulation."

HUNTER PANELS — Type Xci-Class A, Xci 286

THE DOW CHEMICAL CO — Type Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax c Exterior Insulation, Thermax iH Insulation, Thermax Plus Liner Panel and Thermax Heavy Duty Plus (HDP)

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

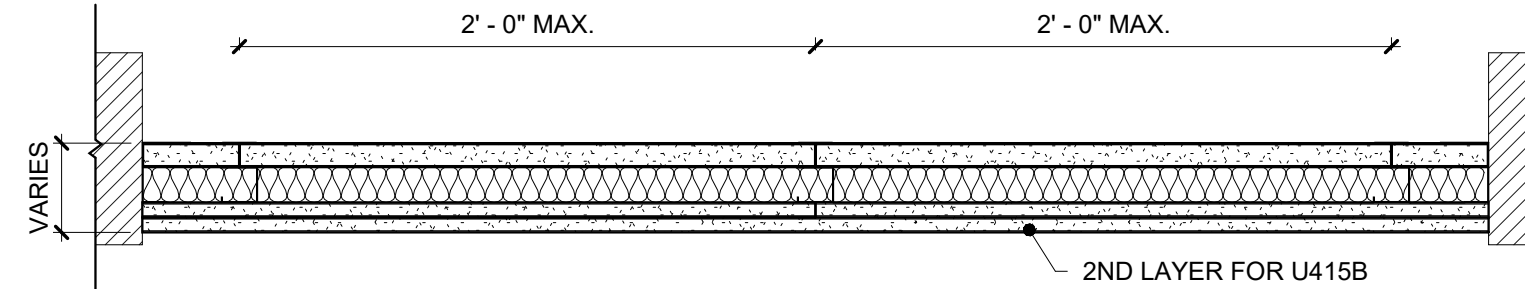
UL DESIGN NO. U415A & U415B

FIRE RATING: U415A - 1 HOUR

U415B - 2 HOUR

SYSTEM THICKNESS: U415A - 3 1/8"

U415B - 5 1/4"



ASSEMBLY OPTIONS:

GYPSUM BOARD: ONE LAYER 1" THICK GYPSUM LINER PANEL (UL TYPE SLX™)

STEEL STUDS: U415A - 2 1/2" CH STUDS, 20 GA. MSG., SPACED 24" O.C. MAX.

U415B - 4" CH STUDS, 20 GA. MSG., SPACED 24" O.C. MAX.

INSULATION: U415 A - 1 1/2" GLASS FIBER BATT INSULATION IN CAVITY

U415 B - 3" GLASS FIBER BATT INSULATION IN CAVITY

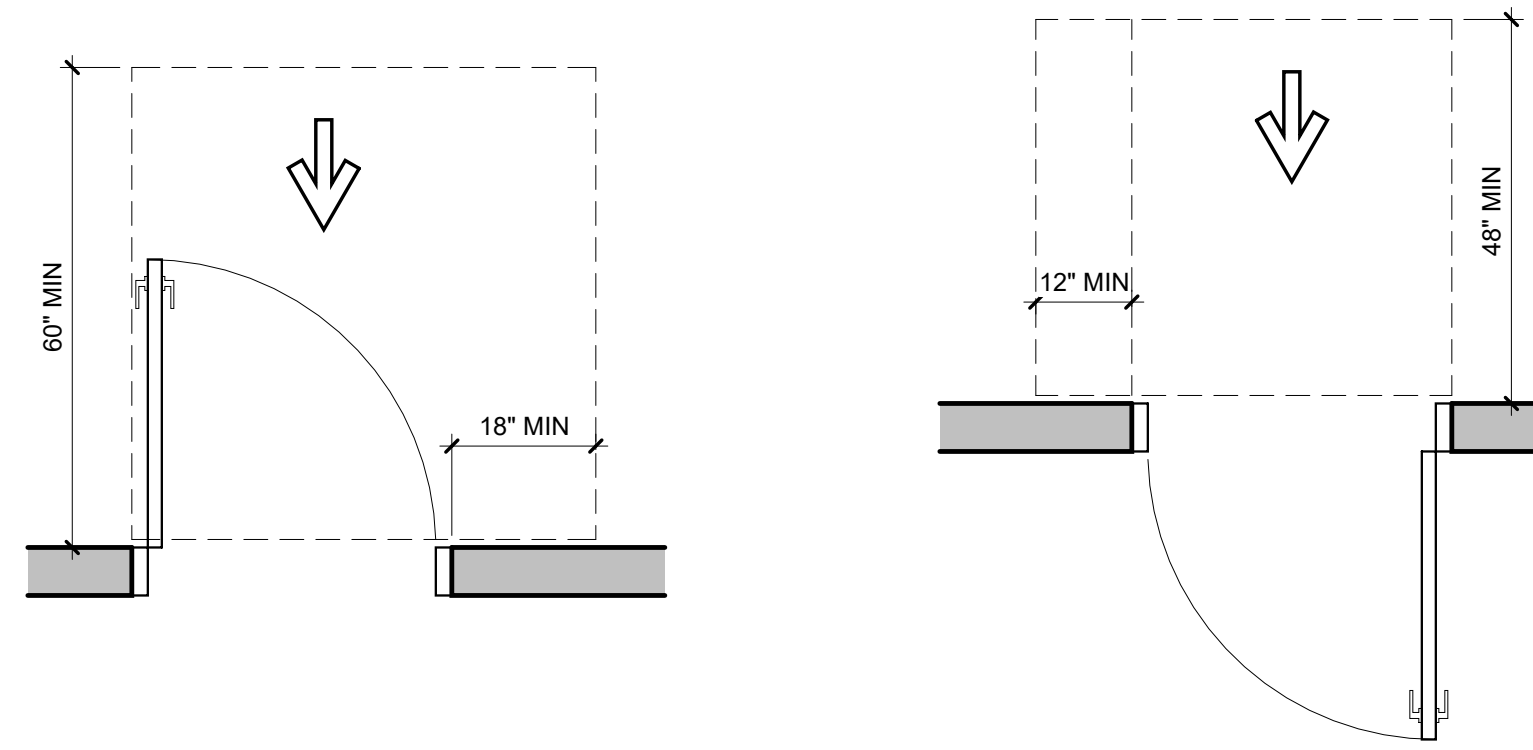
GYPSUM BOARD: U415A - (1) LAYER 5/8" THICK GYPSUM BOARD (UL TYPE SCX™)

U415B - (2) LAYERS 5/8" THICK GYPSUM BOARD (UL TYPE SCX™)

NOTES: STUD AND INSULATION SIZES ARE MINIMUM UNLESS OTHERWISE STATED IN DESIGN.

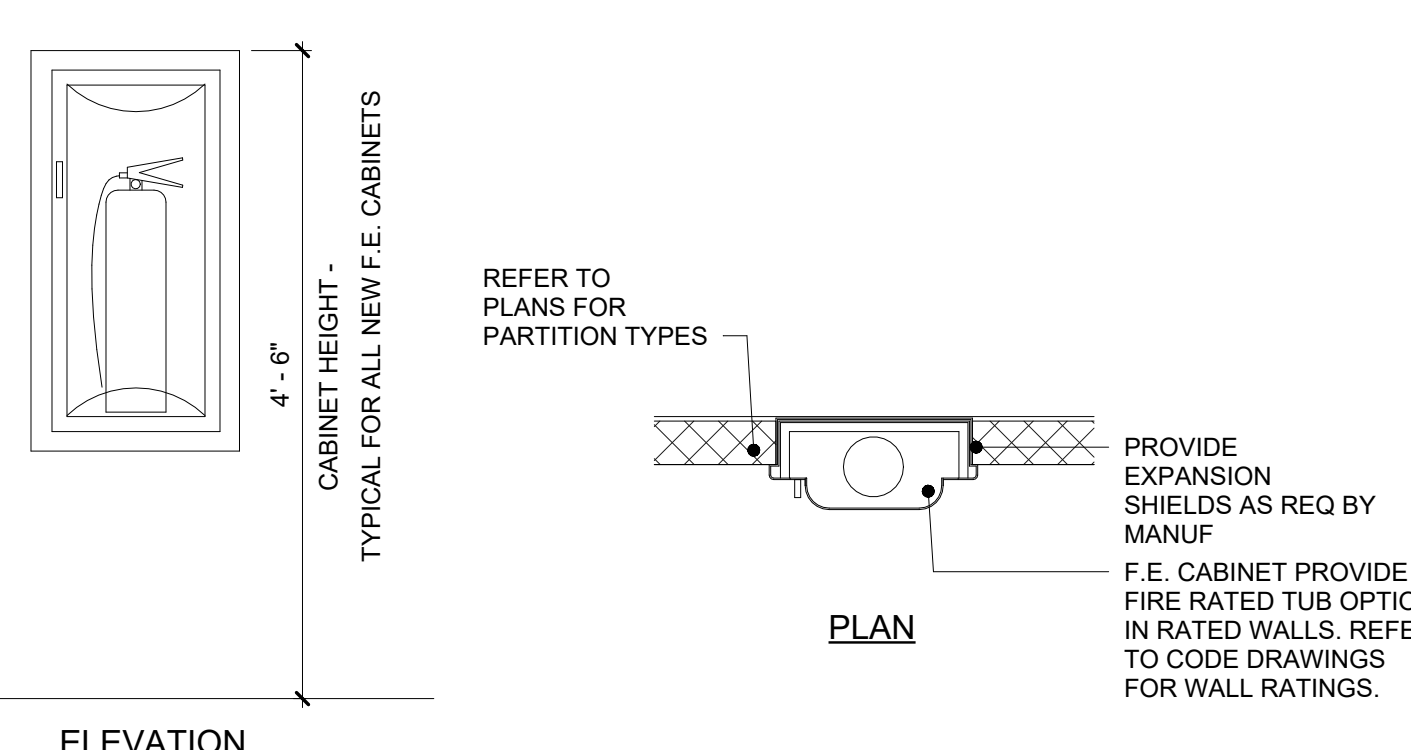
FOR THE MOST UP-TO-DATE INFORMATION OR ASSEMBLY OPTIONS, REFER TO THE UL FIRE RESISTANCE DIRECTORY.

REFER TO THE UL FIRE RESISTANCE DIRECTORY FOR INFORMATION REGARDING PRODUCT ORIENTATION AND FASTENING REQUIREMENTS



(A) FRONT APPROACH, PULL SIDE
*IF BOTH CLOSER AND LATCH ARE PROVIDED
(B) FRONT APPROACH, PUSH SIDE

ADA SWING DOOR APPROACH



F.E. CAB INSTALLATION DETAIL

ADDITIONS AND RENOVATIONS TO THE
FOLCROFT TECHNICAL SCHOOL
DELAWARE COUNTY
INTERMEDIATE UNIT
701 HENDERSON BLVD.
FOLCROFT, PA 19032

ISSUE DATES	DESCRIPTION:
DATE:	BID SET
03/17/2025	
PROJ #:	21-DCU-03
SHEET TITLE:	
DRAWN BY:	KLG

CODE ANALYSIS AND NOTES

SHEET NUMBER:

A0.2

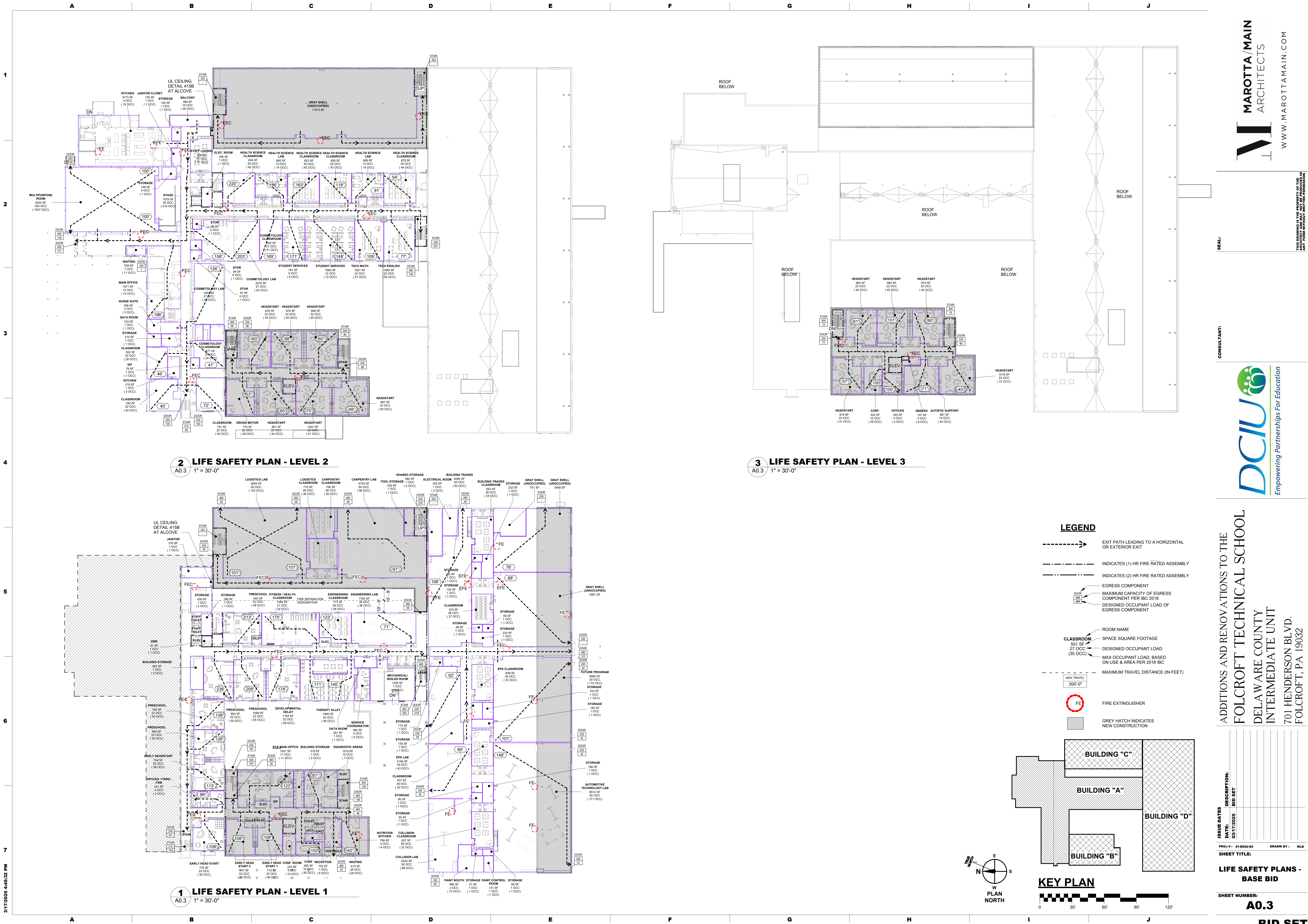
BID SET

SEAL:

CONSULTANT:

DCIU
Empowering Partnerships For Education

MAROTTA/MAIN



STUD PARTITIONS



1. DIMENSIONS TAKEN TO FACE OF STUD OR FACE OF CMU, U.O.
2. ALL NEW PARTITIONS SHALL BE PER PARTITION TYPE P4, U.O.
3. PARTITIONS REQUIRING AN HOURLY RATING ARE INDICATED ON THE CODE ANALYSIS PLANS A02, DESCRIBED IN THE PARTITION TYPES. THIS SHEET AND ARE DEFINED BY THE TESTING AGENCY DESIGN NUMBER. THE CONTRACTOR SHALL CONSTRUCT THESE PARTITIONS IN STRICT COMPLIANCE WITH PARTITIONING AGENCY DESCRIPTION REFERRED TO BY THE DESIGN NUMBER. PARTITION TYPE DRAWINGS SHOULD BE USED FOR REFERENCE AND INFORMATION PURPOSES ONLY. SUCH CONFLICTS OCCUR BETWEEN THE PARTITION TYPE AND THE TESTING AGENCY DESCRIPTION, THE STRINGENT REQUIREMENT SHALL APPLY.
4. REFER TO PRODUCT LIST FOR WALL FINISHES.
5. ALL INTERIOR PARTITIONS ARE TO EXTEND TIGHT TO THE FLOOR OR ROOF DECK ABOVE, U.O. SECOND FLOOR PARTITIONS UNDER GABLE ROOFS SHALL EXTEND TO 12" AFF AND DO NOT EXTEND TIGHT TO SLOPED DECK. PARTITIONS MUST BE SEALED TO ADJACENT CONSTRUCTION.
6. ALL DIMENSIONS MARKED "CLEAR" SHALL BE MAINTAINED.
7. NO PARTITIONS SHALL VARY MORE THAN 1/8" IN SURFACE PLANE IN 10 FEET IN ANY DIRECTION.
8. GALVANIZED STEEL MAY BE USED IN LIEU OF FIRE RETARDANT WOOD BLOCKING FOR WALL HUNG SHELVE, MILLWORK, AND HARDWARE. BACKING SHALL SPAN AT LEAST 4 STUDS.
9. PARTITION ASSEMBLIES AND BRACING SHALL BE INSTALLED AROUND ANY ABOVE-CEILING OBSTRUCTION ENCOUNTERED SUCH AS DUCTS OR SPRINKLER LINES SO AS TO MAINTAIN THE INTEGRITY OF THE ASSEMBLY.
10. ALL INTERIOR WALLS IN OCCUPIED AREAS AND PUBLIC AREAS TO HAVE A MINIMUM OF 5'-0" OF CEILING ABOVE PARTITION MUST BE HIGH ABUSE-RESISTANT TYPE GYPSUM BOARD.
11. ALL EXPOSED CMU WALLS SHALL HAVE A BULLNOSE EDGE, RADIUSED CEILING EDGE TRACK SHALL BE PROVIDED ACCORDINGLY.
12. SEAL FUL PERIMETER OF GWB/STUD WALLS WITH ACOUSTIC SEALANT.
13. PROVIDE CONTROL JOINTS PER THE SPECIFICATION AT INTERIOR CMU WALLS FOR WALL LENGTHS GREATER THAN 12'-0". THE CONTROL JOINTS ARE BETWEEN CEILING AND FLOOR SLABS AND WALLS ON FOOTINGS. REFER TO TYPICAL CONTROL JOINT DETAILS FOR ADDITIONAL CONTROL JOINT INFORMATION.

1. DETAILS ARE KEYED OCCUR (ON THE PLANS OR ELEVATIONS WHEN THEY FIRST OCCUR) AND ARE TYPICAL FOR SIMILAR CONDITIONS THROUGHOUT U.N.O.
2. TYPICAL OR "TYP" MEANS FOR ALL SIMILAR CONSTRUCTION. U.N.O.
3. DO NOT SCALE DRAWINGS; DIMENSIONS GOVERN ALWAYS.
4. LARGE SCALE DETAILS GOVERN OVER SMALL SCALE DETAILS.
5. ALL VERTICAL DIMENSIONS SHOWN TO OR FROM FINISHED CONDITION U.N.O.
6. "ALIGN" MEANS THAT SIMILAR COMPONENTS OF CONSTRUCTION, AS INDICATED BY THE DRAWINGS, MUST BE STRAIGHT AND IN LINE, AND ANY JOINTS / SEAMS MUST BE CONCEALED AND INVISIBLE TO THE EYE OR TOUCH.
7. "PROVIDE" MEANS PROVIDE AND INSTALL. U.N.O.

1. WORK SHALL INCLUDE ALL LABOR, ASSEMBLIES, AND FINISH WORK INCLUDING ALL PARTS AND MATERIALS NECESSARY TO COMPLETE THE INSTALL-PLACE, PROPERLY WORKING FINISHED INSTALLATION.
2. CONTRACTOR SHALL FIELD MEASURE ALL DISTANCES AND CLEARANCES PRIOR TO COMMENCEMENT OF NEW WORK OR REMOVAL OF MATERIALS. DRAWINGS ARE NOT TO BE SCALE DRAWINGS OR DIMENSIONS OR SIZES. VERIFY ALL DIMENSIONS IN THE FIELD.
3. PROVIDE BLOCKING IN PARTITIONS AS REQUIRED FOR ALL ITEMS ATTACHED TO WALL INCLUDING CABINERY AND MILLWORK. ALL ROUGH CARPENTRY, BLOCKING, AND MISCELLANEOUS WORK IN PARTITIONS SHALL BE FIRE RETARDANT TREATED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REQUIREMENTS.
4. HEIGHT OF ELECTRICAL, DATA AND COMMUNICATION OUTLETS WHEN SURROUNDED BY OR ABUTTING MILLWORK SHALL BE CONFIRMED PRIOR TO INSTALLATION
5. FLOOR MOUNTED OUTLET LOCATIONS MUST BE CONFIRMED WITH THE OWNER AND ARCHITECT BEFORE CORE DRILLING.
6. PLACEMENT OF WALL OR CEILING ACESOR PANELS SHALL BE REVIEWED WITH THE OWNER/ARCHITECT PRIOR TO INSTALLATION
7. PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY CODE.
8. PROTECT NEWLY INSTALLED FINISHES, MILLWORK, BUILT-INS, AND MATERIALS, AND ANY ITEMS (FURNITURE, ETC.) REQUIRING STORAGE.
9. UPON COMPLETION OF WORK, ALL FACILITIES SHALL BE IN FULL USE WITHOUT DEFECTS.
10. TOOTH IN BRICK AND CMU TO MATCH EXISTING CONSTRUCTION WHERE MASONRY IS REMOVED, INCLUDING WHERE REMOVED TO PROVIDE ACCESS TO EXISTING STRUCTURE OR SYSTEMS.
11. WHERE EXISTING WALLS, UTILITIES OR OTHER CONSTRUCTION IS REMOVED BELOW THE FLOOR SLAB INFILL WITH CRUSHED STONE, PROVIDE AND SEAL VAPOR BARRIER, AND PLACE 4" MIN THICKENED CONCRETE U.O. REFER TO DEMOLITION, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR COORDINATION OF AREAS OF CUT AND MATCH.
12. CONTRACTOR SHALL USE AND PROTECT THE EXISTING BUILDING AND EXISTING FINISHES SCHEDULED TO REMAIN IN A MANNER WHICH WILL NOT SOIL, DEFACE, OR DAMAGE THE EXISTING FACILITIES. PARTITIONS SHALL BE IN ACCORDANCE WITH PROTECTIVE MATERIALS AS NECESSARY.
13. REMOVE ALL CONSTRUCTION DEBRIS AS REQUIRED TO MAINTAIN A CLEAN ENVIRONMENT AND TO PREVENT THE POSSIBILITY OF ACCIDENT OR FIRE.
14. HEIGHT OF ELECTRICAL, DATA AND COMMUNICATION OUTLETS WHEN ADJACENT TO OR ABUTTING CASEWORK SHALL BE COORDINATED AND REVIEWED WITH THE ARCHITECT PRIOR TO INSTALLATION.
15. DOWNGRADES, SPRINKLER HEADS, SMOKE DETECTORS, AND EXIT SIGNS SHALL BE LOCATED IN THE CENTER OF THE CEILING TILE, U.O.O.
16. G.C. SHALL PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED EQUIP., CASEWORK, GRAB BARS, ETC.
17. G.C. SHALL PROVIDE TEMPORARY PARTITIONS FOR EACH PHASE OF WORK AND AS REQUIRED FOR OCCUPANT EXISTING REQUIREMENTS. PARTITIONS SHALL BE IN ACCORDANCE WITH SPEC SECTION "TEMPORARY FACILITIES AND CONTROLS". REFER TO THE PHASING PLANS FOR INFORMATION ON CONCERNED PHASING AREAS AND DATES. TEMPORARY PARTITIONS MUST BE FLOOR TO CEILING AND SHALL PERMIT ACCESS TO ALL AREAS MUST BE PROVIDED WITH SOLID AND LOCKABLE DOORS.

CONSULTANT:



Empowering Partnerships For Education

ADDITIONS AND RENOVATIONS TO THE
FOLCROFT TECHNICAL SCHOOL
DELAWARE COUNTY
INTERMEDIATE UNIT
701 HENDERSON BLVD.
FOLCROFT, PA 19032

[illegible]

GENERAL NOTES AND PARTITION TYPES

SHEET NUMBER:

A0.4

BID SET