

JAMES I. O'NEILL RENOVATION PROJECT

HIGHLAND FALLS - FORT MONTGOMERY CSD

JAMES I. O'NEILL HIGH SCHOOL

HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

ARCHITECT'S PROJECT NO. 2020-117

SED No.44-09-01-04-0-008-017



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TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF, THE PLANS AND SPECIFICATIONS ARE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE ADOPTED CODES OF NYS (i.e. BUILDING, FIRE, PLUMBING, ETC.), ENERGY CONSERVATION CONSTRUCTION CODE OF NYS, INDUSTRIAL CODE RULE #56 AND CONSTRUCTION STANDARDS OF THE STATE OF NEW YORK EDUCATION DEPARTMENT

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LIST OF ABBREVIATIONS

A AMP	AMPERE(S)	COL	COLUMN	°F	AIR DEGREES FAHRENHEIT	ID	INSIDE DIAMETER	N	NORTH	RD	ROOF DRAIN	TGBM	TELECOMMUNICATIONS MAIN GROUND BAR	W	WEST, WIRE, WALL or WATTS
AAS	AUTOMATIC AIR DAMPER	CONC	CONCRETE	°C	CELSIUS	LAT	INSITU	NAT	NATURAL	REF	REFERENCE	THC	TOTAL HEAT CAPACITY	W	WEST, WIRE, WALL or WATTS
AB	ANCHOR BOLT	COND	CONDUCTOR	FA	FIRE ALARM	IEE	INSULATING GLASS	NC	NON-COMBUSTIBLE or NORMALLY CLOSED	REFR	REFRIGERATOR	THK	THICKNESS	W/O	WITHOUT
AC	AIR CONDITIONING	CONN	CONNECTION	FACP	FIRE ALARM CONTROL PANEL	IMP	INSULATED METAL PANEL	NEC	NATIONAL ELECTRIC CODE	REG	REGISTER	TIDF	TELECOMMUNICATIONS INTERMEDIATE DISTRIBUTION FRAME	W/W	WALL TO WALL
ACU	AIR COOLED CONDENSING UNIT	CONSTR	CONSTRUCTION	CHNG	CHANGED BY OTHERS	INH	INCH	NEHA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	REINR	REINFORCED	TMBF	TELECOMMUNICATIONS MAIN DISTRIBUTION FRAME	WB	WET BULB TEMPERATURE
ACLG	ABOVE CEILING	CONT	CONTINUOUS	FC	FORWARD CURVED	INC	INCLUDING	NEF	NON-FUSED	REQ	REQUIRED	TO	TOP OF	WBD	WHITE BOARD
ACT	ACOUSTICAL CEILING TILE	CONTR	CONTRACTOR	FCU	FAN COIL UNIT	INSUL	INSULATION	NFPA	NAT'L FIRE PROTECTION ASSOC.	REV	REVISION	TOF	TOP OF FOOTING	WC	WATER CLOSET
ADA	AMERICANS WITH DISABILITIES ACT	CONV	CONVECTOR	FD	FLOOR DRAIN or FIRE DAMPER	INT	INTERIOR	NO	NUMBER or NORMALLY OPEN	RF	RETURN FAN	TOM	TOP OF MASONRY	WCO	WATER CLEAN OUT
ADJ	ADJUSTABLE	CS1	CUSHION TILE	FDN	FOUNDATION	INV	INVERT	NO	NUMBER or NORMALLY OPEN	RGS	RIGID GALVANIZED STEEL	TOS	TOP OF STEEL	WF	WALL FILTER
AFF	ABOVE FINISHED FLOOR	CT	CERAMIC TILE	FE	FIRE EXTINGUISHER	IPS	INSIDE PIPE SIZE	NOM	NOMINAL	RH	RELATIVE HUMIDITY	TT	TERRAZZO TILE	WD	WOOD
AHJ	ABOVE FINISHED GRADE	COPR	COPPER	FE2	FIRE EXTINGUISHER CABINET	KMIL	THOUSAND CIRCULAR MILS	NTS	NOT TO SCALE	RHC	REHEAT COIL	TPP	TYPICAL	WG	WATER GAUGE or WIRE GUARD
AHU	AUTHORITY HAVING JURISDICTION	CUH	CABINET UNIT HEATER	FF	FINISH FLOOR ELEVATION	KVA	KILOVOLT AMPERES	OA	OUTDOOR AIR	RM	ROOM	T&B	TOP & BOTTOM	WH	WATER HEATER
AHU	AIR HANDLING UNIT	CUV	CLASSROOM UNIT VENTILATOR	FG	FIBERGLASS	KW	KILOWATT	OC	ON CENTER	RO	ROUGH OPENING	T&G	TOP & GROOVE	WHA	WATER HAMMER ARRESTOR
AIC	AMPERE INTERRUPTING CAPACITY	CW	COMPOSITE WOOD or COLD WATER	FG	FIBERGLASS	L	LOUVER	OD	OUTSIDE DIAMETER	RPM	REVOLUTIONS PER MINUTE	UG	UNDERGROUND	WM	DUAL CHANNEL SURFACE RACEWAY
ALUM	ALUMINUM	CY	CUBIC YARD	FN	FINISHED	LAM	LAMINATED	OH	OPPOSING HAND	RVT	REINFORCED VINYL TILE	UH	UNIT HEATER	WR	WATER RESISTANT
ALT	ALTERNATE	DB	DRY BULB TEMPERATURE	FL	FLOOR	LAV	LAVATORY	OPNG	OPENING	RTN	RETURN	UL	UNDERWRITERS LABORATORIES	WTD	WATER PRESSURE DROP
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	DCJ	DOWNELED CONSTRUCTION JOINT	FMS	FULL LOAD AMPERES	LAT	LEAVING AIR TEMPERATURE	OP	OPPOSITE OF	RTU	ROOF TOP UNIT	UNO	UNLESS NOTED OTHERWISE	WTRPRF	WATER PROOFING
APPROX	APPROXIMATE	DET	DETAIL	PM	FEET PER MINUTE	LAV	LAVATORY	OZ	OUNCE	S	SOUTH	UTL	UTILITY	WWM	WELED WIRE MESH
ARCH	ARCHITECTURAL	DA	DIAMETER	PRP	FIRE RESISTANT GLASS	LB	POUND	P	PUMP or POLE	SA	SANITARY LINE	UV	UNIT VENTILATOR	XFMR	TRANSFORMER
BC	BACKWARD CURVED	DM	DIMENSION	FT	FOOT or FEET	LDB	LEAVING DRY BULB TEMPERATURE	PB	PARTICLE BOARD	SCH	SCHEDULE	V	VOLT	Δ	DELTA
BD	BOARD	DN	DOWN	FTG	FOOTING	LGFM	LIGHT GAGE METAL FRAMING	PB	PARTICLE BOARD	SCH	SCHEDULE	V	VOLT		
BDD	BACKDRAFT DAMPER	DO	DOTTO	FTG	FOOTING	LH	LONG LEG HORIZ	PC	PLUMBING CONTRACTOR	SEAL	SEALER	VAR	VARIABLE AIR VOLUME		
BFG	BELOW FINISH GRADE	DP	DEW POINT TEMPERATURE	FW	FABRIC WALL COVERING	LLV	LONG LEG VERT	PCF	POUNDS PER CUBIC FOOT	SF	SQUARE FOOT	VAV	VARIABLE AIR VOLUME		
BHP	BRAKE HORSEPOWER	DPCO	DECK PLATE CLEAN OUT			LMTL	LINEAR METAL	PD	PRESSURE DROP or PIPE DROP	SGT	STRUCTURAL GLAZED TILE	VE	VAPOR BARRIER		
BM	BENCHMARK	DSO	DUCT SMOKE DETECTOR			PERF	PERFORATED	PF	PRE-FINISH	SH	SHOWER	VERT	VERTICAL		
BLDG	BUILDING	DWG	DRAWING			LTG	LIGHTING	PH	PHASE	SIM	SIMILAR	VEST	VESTIBULE		
BLK(G)	BLOCKING	DX	DIRECT EXPANSION			LWB	LEAVING WET BULB TEMPERATURE	PL	PLATE	SP	STATIONARY ROOF VENTILATOR	VIN	VINYL		
BMS	BUILDING MANAGEMENT SYSTEM	E	EAST			LWT	LEAVING WATER TEMPERATURE	PLYWD	PLYWOOD	SPC	STAINED POLISHED CNC	VIF	VERIFY IN FIELD		
BRG	BEARING	EA	EACH			GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER	PLAS	PLASTER	SQ	SQUARE	VINYL	VINYL WALL COVERING		
BREK	BREAK	EAT	ENTERING AIR TEMPERATURE			GLZ CMU	GLAZED CMU	MAU	MAKE UP AIR UNIT	SRV	SINGLE CHANNEL SURFACE RACEWAY	W	WATER		
BTU	BRITISH THERMAL UNIT	EC	ELECTRICAL CONTRACTOR			QND	GROUND OR GROUNDING	MBX	MAXIMUM	STN	STATIONARY ROOF VENTILATOR	W	WATER		
BTUH	BRITISH THERMAL UNITS PER HOUR	EDB	ENTERING DRY BULB			EF	EXHAUST FAN	MBH	1000 BTUH	ST	SHUNT TRIP	STD	STANDARD		
BUR	BUILT-UP ROOF	EFF	EFFICIENCY			EW	EXISTING FIRE EXTINGUISHER	MC	MECHANICAL CONTRACTOR	STL	STEEL	STR	STORAGE		
BV	BALL VALVE	EFE	EXISTING FIRE EXTINGUISHER			EXP	EXPANDED	MCA	MAXIMUM CIRCUIT AMPACITY	STR	STRUCTURAL	SUSP	SUSPENDED		
C	CONDUIT	ELC	ELECTRIC			HB	HOSE BIB	MCS	MAIN CIRCUIT BREAKER	PSF	POUNDS PER SQUARE FOOT	STR	STRUCTURAL		
CARP	CARPET	ELEV	ELEVATION			HCP	HANDICAP	MCC	MOTOR CONTROL CENTER	PSI	POUNDS PER SQUARE INCH	STRCT	STRUCTURAL		
CB	CIRCUIT BREAKER	EM	EMERGENCY			HD	HEAD	MDF	MAIN DISTRIBUTION FRAME	PTD	PAINTED	PTN	PARTITION		
CBB	CEMENTITIOUS BACKER BOARD	EMB	EMBEDMENT			HJA	HANDS OFF AUTOMATIC SWITCH	MECH	MECHANICAL	PVC	POLYVINYL CHLORIDE	PV	SHEET VINYL		
CBD	CHALK BOARD	EMR	EQUIPMENT			HCRZ	HORIZONTAL	MFR	MANUFACTURER	PWMT	POWER	SW	SWITCH		
CDU	CEILING CASSETTE UNIT	EP	EPOXY PAINT			HR	HOUR	MISC	MISCELLANEOUS	PWR	POWER	SYM	SYMMETRICAL		
CD	COLD CONDENSATE DRAIN	ERG8	ELECTRICAL ROOM GROUND BAR			HRV	HEAT RECOVERY VENTILATOR	MNCA	MINIMUM CIRCUIT AMPACITY	QT	QUARRY TILE	T	TREAD		
CDT	CONDUIT	ESP	EXTERNAL STATIC PRESSURE			HT	HEIGHT	MO	MASONRY OPENING	R	RISER	TB	TACK BOARD		
CE	CABINET EXHAUST FAN	ESS	EXPOSED STRUCTURAL STEEL			HTG	HEATING	MOP	MAXIMUM OVER-CURRENT PROTECTION	RA	RETURN AIR	TBR	TO BE REMOVED		
CEM PLAS	CEMENT PLASTER	ETR	EXISTING TO REMAIN			HUMR	HUMIDITY RATIO	MTD	MOUNTED	RD	RADIUS	TEL	TELEPHONE		
CF	CUBIC FEET	EWC	ELECTRIC WATER COOLER			HVAC	HVAC	MTG	MEETING	RB	RUBBER BASE	TEMP	TEMPORARY		
CF	CUBIC FEET PER MINUTE	EWT	ENTERING WATER TEMPERATURE			HWC	HOT WATER COIL	MTL	METAL	RC	ROOFING CONTRACTOR	TERR	TERRAZZO		
CH	CENTER LINE	EXC	EXCAVATION			HWD	HARDWARE			RCB	REINFORCED CORNER BARS	TG	TRANSFER GRILLE		
CL	CENTER LINE	EXH	EXHAUST			HWR	HOT WATER RETURN			RCP	REINFORCED CONC PIPE	TGB	TELECOMMUNICATION GROUND BAR		
CLF	CURRENT LIMITING FUSE	EXT	EXTERIOR			HYD	HYDRAULIC								
CLG	CEILING														
CLR	CLEAR														
CM	CONSTRUCTION MANAGER														
CMJ	CERAMIC MOSAIC TILE														
CNT	CONC MASONRY UNIT														

N	NATURAL	RD	ROOF DRAIN	TGBM	TELECOMMUNICATIONS MAIN GROUND BAR	W	WEST, WIRE, WALL or WATTS
NAT	NATURAL	REF	REFERENCE	THC	TOTAL HEAT CAPACITY	W	WEST, WIRE, WALL or WATTS
NC	NON-COMBUSTIBLE or NORMALLY CLOSED	REFR	REFRIGERATOR	THK	THICKNESS	W/O	WITHOUT
NEC	NATIONAL ELECTRIC CODE	REG	REGISTER	TIDF	TELECOMMUNICATIONS INTERMEDIATE DISTRIBUTION FRAME	W/W	WALL TO WALL
NEHA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	REINR	REINFORCED	TMBF	TELECOMMUNICATIONS MAIN DISTRIBUTION FRAME	WB	WET BULB TEMPERATURE
NF	NON-FUSED	REQ	REQUIRED	TO	TOP OF	WBD	WHITE BOARD
NFPA	NAT'L FIRE PROTECTION ASSOC.	REV	REVISION	TOF	TOP OF FOOTING	WC	WATER CLOSET
NO	NUMBER or NORMALLY OPEN	RF	RETURN FAN	TOM	TOP OF MASONRY	WCO	WATER CLEAN OUT
NOM	NOMINAL	RGS	RIGID GALVANIZED STEEL	TOS	TOP OF STEEL	WF	WALL FILTER
NTS	NOT TO SCALE	RH	RELATIVE HUMIDITY	TT	TERRAZZO TILE	WD	WOOD
OA	OUTDOOR AIR	RHC	REHEAT COIL	TPP	TYPICAL	WG	WATER GAUGE or WIRE GUARD
OC	ON CENTER	RM	ROOM	T&B	TOP & BOTTOM	WH	WATER HEATER
OD	OUTSIDE DIAMETER	RO	ROUGH OPENING	T&G	TOP & GROOVE	WHA	WATER HAMMER ARRESTOR
OH	OPPOSING HAND	RPM	REVOLUTIONS PER MINUTE	UG	UNDERGROUND	WM	DUAL CHANNEL SURFACE RACEWAY
OPNG	OPENING	RVT	REINFORCED VINYL TILE	UH	UNIT HEATER	WR	WATER RESISTANT
OP	OPPOSITE OF	RTN	RETURN	UL	UNDERWRITERS LABORATORIES	WTRPRF	WATER PROOFING
OZH	ON VERTICAL CENTER	RTU	ROOF TOP UNIT	UNO	UNLESS NOTED OTHERWISE	WWM	WELED WIRE MESH
OZ	OUNCE	S	SOUTH	UTL	UTILITY	XFMR	TRANSFORMER
P	PUMP or POLE	SA	SANITARY LINE	UV	UNIT VENTILATOR	Δ	DELTA
PB	PARTICLE BOARD	SAN	SOLID CORE or SITE CONTRACTOR	V	VOLT		
PC	PLUMBING CONTRACTOR	SCH	SCHEDULE	V	VOLT		
PCF	POUNDS PER CUBIC FOOT	SEAL	SEALER	VAR	VARIABLE AIR VOLUME		
PD	PRESSURE DROP or PIPE DROP	SF	SQUARE FOOT	VAV	VARIABLE AIR VOLUME		
PERF	PERFORATED	SGT	STRUCTURAL GLAZED TILE	VE	VAPOR BARRIER		
PF	PRE-FINISH	SH	SHOWER	VERT	VERTICAL		
PH	PHASE	SHC	SENSIBLE HEAT CAPACITY	VEST	VESTIBULE		
PL	PLATE	SIM	SIMILAR	VIN	VINYL		
PLYWD	PLYWOOD	SP	STATIONARY ROOF VENTILATOR	VIN	VINYL		
PLAS	PLASTER	SPC	STAINED POLISHED CNC	VIF	VERIFY IN FIELD		
PM	PUMPED CONDENSATE	SQ	SQUARE	VINYL	VINYL		
PML	PANEL	SRV	SINGLE CHANNEL SURFACE RACEWAY	VINYL	VINYL		
PORC	PORCELAIN	ST	SHUNT TRIP	VINYL	VINYL		
PR	PAIR or PIPE RISE	STD	STANDARD	VINYL	VINYL		
PRE	POWER ROOF EXHAUST	STR	STORAGE	VINYL	VINYL		
PRT	PORCELAIN TILE	STRCT	STRUCTURAL	VINYL	VINYL		
PSF	POUNDS PER SQUARE FOOT	SUSP	SUSPENDED	VINYL	VINYL		
PSI	POUNDS PER SQUARE INCH	SW	SWITCH	VINYL	VINYL		
PTD	PAINTED	SYM	SYMMETRICAL	VINYL	VINYL		
PTN	PARTITION	T	TREAD	VINYL	VINYL		
PVC	POLYVINYL CHLORIDE	TB	TACK BOARD	VINYL	VINYL		
PWMT	POWER	TBR	TO BE REMOVED	VINYL	VINYL		
PWR	POWER	TEL	TELEPHONE	VINYL	VINYL		
QT	QUARRY TILE	TEMP	TEMPORARY	VINYL	VINYL		
QTY	QUANTITY	TERR	TERRAZZO	VINYL	VINYL		
R	RISER	TG	TRANSFER GRILLE	VINYL	VINYL		
RA	RETURN AIR	TGB	TELECOMMUNICATION GROUND BAR	VINYL	VINYL		
RD	RADIUS			VINYL	VINYL		
RB	RUBBER BASE			VINYL	VINYL		
RC	ROOFING CONTRACTOR			VINYL	VINYL		
RCB	REINFORCED CORNER BARS			VINYL	VINYL		
RCP	REINFORCED CONC PIPE			VINYL	VINYL		

GENERAL DEMOLITION NOTES

- PERFORM DEMOLITION IN AN ORGANIZED AND CAREFUL MANNER. LEAVE AREAS UNDER DEMOLITION CLEAN AND ORDERLY AT THE END OF EACH SHIFT.
- PROTECT BUILDING OR SYSTEM COMPONENTS SCHEDULED TO REMAIN. PROVIDE FOR REPAIRS TO EXISTING BUILDING OR SYSTEM COMPONENTS IMPACTED BY DEMOLITION UNDER THIS CONTRACT.
- MINIMIZE INTERFERENCE TO OWNER OCCUPIED AREAS OR AREAS NOT INCLUDED IN SCOPE OF WORK THROUGHOUT DEMOLITION PHASE.
- COORDINATE DEMOLITION WORK OF THIS CONTRACT WITH THE WORK OF ALL OTHER CONTRACTS AND THE OWNER. COORDINATE WITH GCS ASBESTOS ABATEMENT SUB-CONTRACTOR PRIOR TO THE COMMENCEMENT OF ALL WORK.
- IDENTIFY ANY REMAINING OR ABANDONED UTILITIES WITHIN DEMOLITION AREAS. IDENTIFICATION TAGS SHALL BE IN ACCORDANCE WITH APPLICABLE SPECIFICATION SECTIONS.
- REMOVE ALL DEMOLISHED MATERIALS FROM THE WORK SITE AS WORK PROGRESSES UNLESS NOTED OTHERWISE. OWNER RETAINS THE RIGHT TO KEEP ANY MATERIALS OR EQUIPMENT REMOVED, TURN OVER SUCH ITEMS TO OWNER UPON REQUEST.

GENERAL RENOVATION NOTES

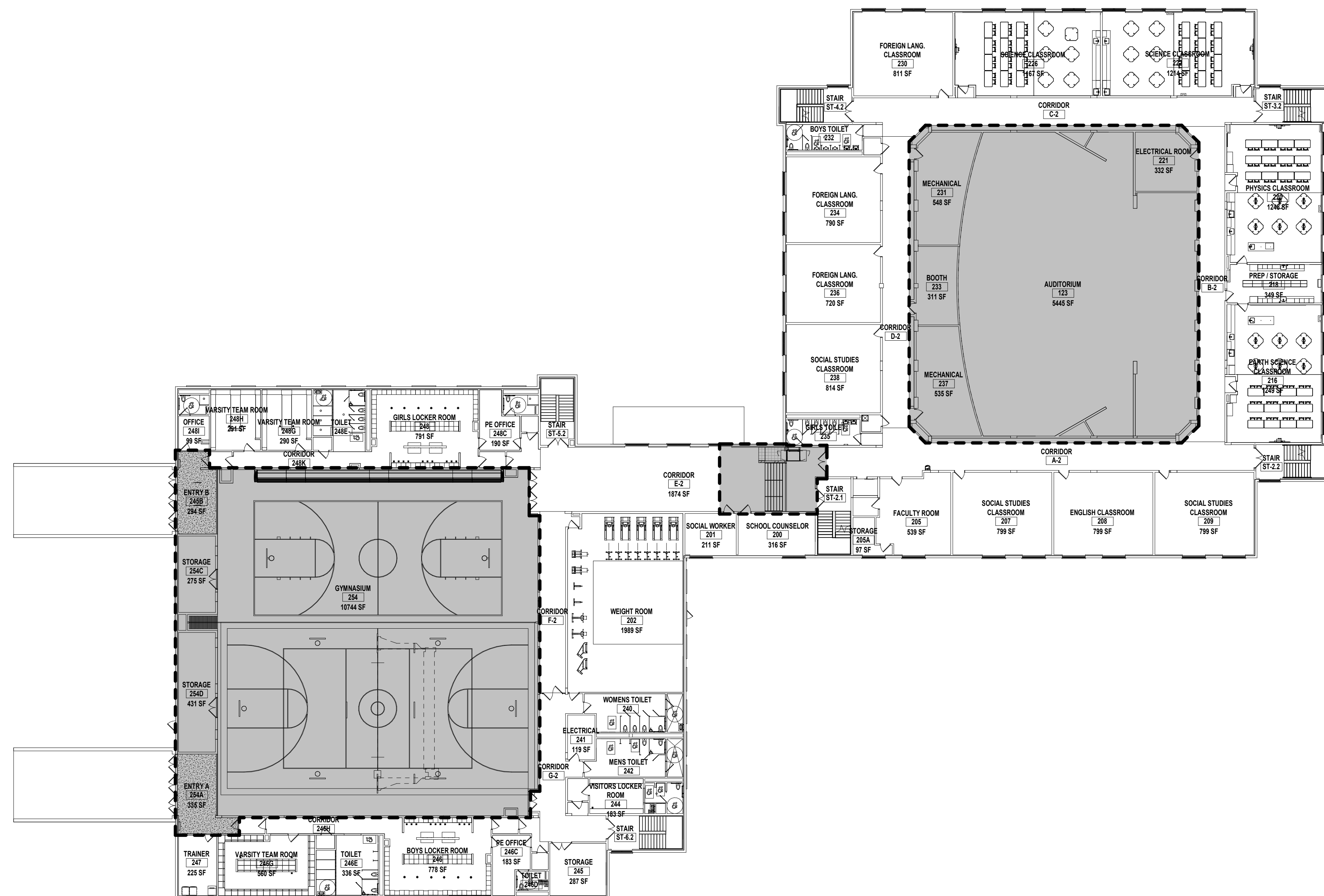
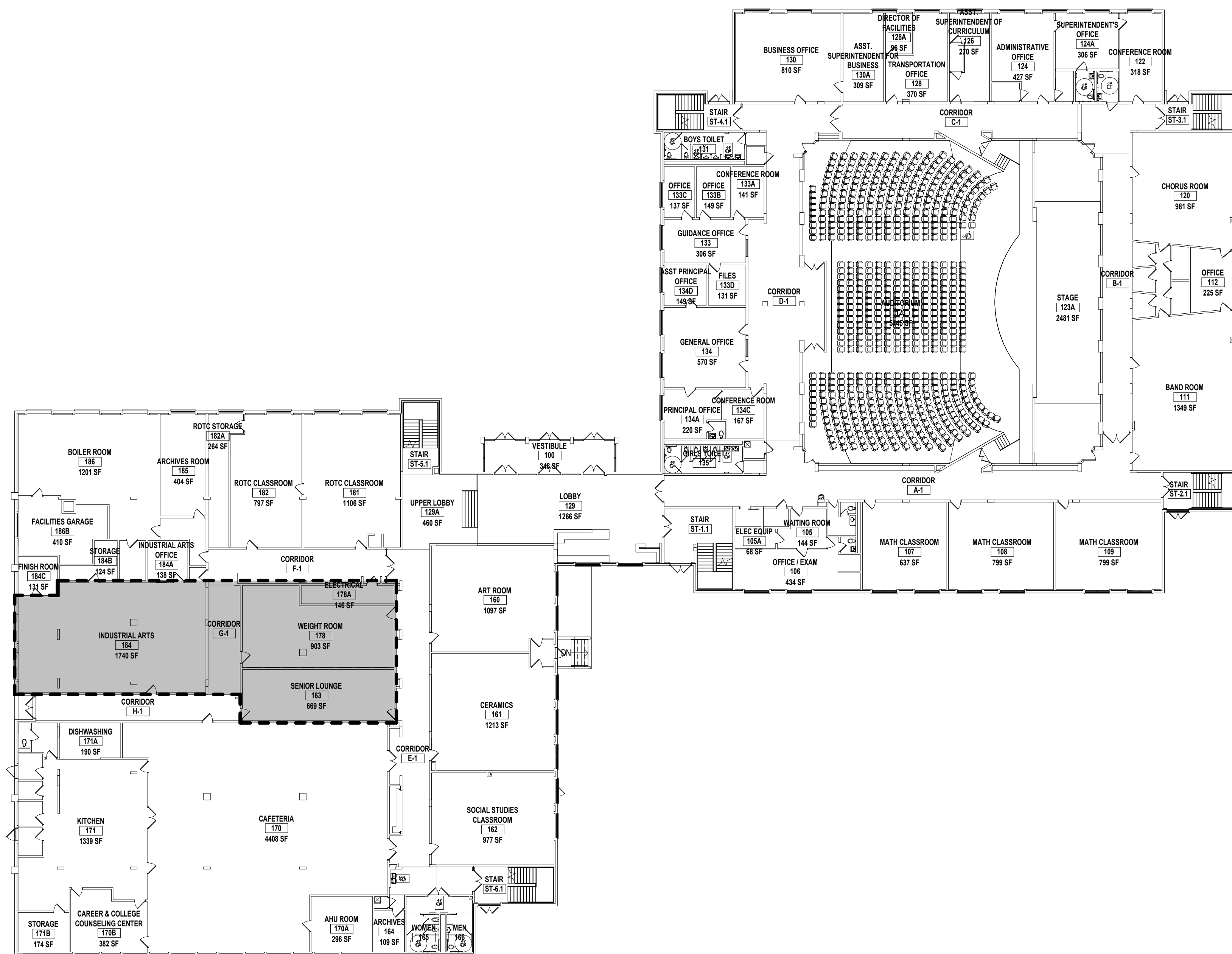
- DEFINITIONS
 - 1.1 GENERAL RENOVATION NOTES**
GENERAL RENOVATION NOTES AS FOUND ON THIS SHEET SHALL APPLY TO ALL PRIME CONTRACTORS AND TO ALL AREAS THROUGHOUT THE EXISTING FACILITY.
 - 1.2 SPECIFIC RENOVATION NOTES**
SPECIFIC RENOVATION NOTES ARE FOUND THROUGHOUT THE CONTRACT DRAWINGS AND APPLY TO THE RESPONSIBLE PRIME CONTRACTOR. THESE NOTES ARE SPECIFIC TO THE AREA OR ITEM INDICATED AND FOR ALL SIMILAR (TYPICAL) CONDITIONS.
- PRIOR TO THE COMMENCEMENT OF WORK IN EACH AREA THE OWNER SHALL REMOVE ALL MOVABLE ITEMS INCLUDING SHELVING, FURNITURE, EQUIPMENT AND SUPPLIES. ALL BUILT-IN ITEMS DESIGNATED FOR REMOVAL INCLUDING BUT NOT LIMITED TO CASEWORK, COUNTERS, SINKS, AND ALL ATTACHED OR RELATED MATERIALS AND SYSTEMS AS DESIGNATED IN THE CONTRACT DOCUMENTS AND AS NEEDED FOR A COMPLETE AND PROPER RENOVATION AND ADDITION PROJECT. UNLESS OTHERWISE NOTED, THE REMAINING FLOOR, WALL OR CEILING SYSTEM AFFECTED BY CUTTING OR DEMOLITION SHALL BE PATCHED TO THE EXTENT REQUIRED TO MATCH ADJACENT CONSTRUCTION MATERIALS AND FINISHES. SEE SPECIFICATIONS SECTION 01-7200-CUTTING AND PATCHING FOR ADDITIONAL REQUIREMENTS OF EACH PRIME CONTRACTOR.
- PRIOR TO THE COMPLETE DEMOLITION AND REMOVAL OF FLOORS, WALLS, CEILING AND ROOF SYSTEMS BY THE G.C., THE DISCONNECTION OF ALL RELATED POWER, WIRING, ELECTRICAL FIXTURES AND LIGHTING REMOVALS AND DISPOSALS SHALL BE PERFORMED BY THE PRIME ELECTRICAL CONTRACTOR. THE DISCONNECTION OF ALL RELATED DRAIN PIPING, WATER SUPPLY PIPING, VENT PIPING AND RELATED PLUMBING FIXTURES SHALL BE BY THE PRIME PLUMBING CONTRACTOR. ALL DISCONNECTS OF HEATING SUPPLY, RETURN PIPING, DUCT WORK, FANS, RELATED MOTORS PIPING & CONTROLS SHALL BE BY THE PRIME MECHANICAL CONTRACTOR.
- INDIVIDUAL MECHANICAL, PLUMBING OR ELECTRICAL COMPONENTS SCHEDULED FOR REMOVAL ON ROOFS, FLOORS, WALLS OR CEILINGS WHICH ARE NOT OTHERWISE SCHEDULED FOR COMPLETE DEMOLITION, SHALL BE DISCONNECTED AND REMOVED IN THEIR ENTIRETY BY EACH RESPECTIVE PRIME CONTRACTOR. EXCEPT AS NOTED IN SPECIFICATION SECTION 01-7200, ALL CUTTING AND PATCHING OF BUILDING COMPONENTS REQUIRED TO FACILITATE THEIR WORK SHALL BE THE RESPONSIBILITY OF EACH PRIME CONTRACTOR. ALL PATCHING SHALL MATCH THE EXISTING COMPONENTS AND FINISHES. CUTTING AND PATCHING SHALL BE PERFORMED BY PERSONNEL TRAINED AND REGULARLY EMPLOYED FOR SUCH SERVICES.
- ALL EXISTING FLOOR, WALL, CEILING AND MISCELLANEOUS SURFACES SCHEDULED IN THE CONTRACT DOCUMENTS TO RECEIVE NEW FINISHES SHALL BE PROPERLY PATCHED AND PREPARED TO RECEIVE NEW FINISHES. ALL IN ACCORDANCE WITH THE NEW FINISH MANUFACTURER'S WRITTEN RECOMMENDATIONS. PREPARATIONS SHALL INCLUDE THE INFILL OF EXISTING HOLES, CRACKS AND IMPERFECTIONS AS WELL AS THE REMOVAL OF SCREWS AND NAILS FOR A SMOOTH APPEARANCE TO MATCH ADJACENT SURFACES.
- ALL EXISTING HOLLOW METAL DOOR & WINDOW FRAMES, AND ASSOCIATED TRIM IN EXISTING ROOMS SCHEDULED TO RECEIVE NE FINISHES SHALL ALSO BE PROPERLY PREPARED ACCORDING TO THE MANUFACTURER'S WRITTEN RECOMMENDATIONS, PRIMED, AND FINISH PAINTED, COLOR TO BE SELECTED BY ARCHITECT.
- ALL PRIME CONTRACTORS SHALL BE RESPONSIBLE FOR THE TIMELY REMOVAL AND OFF SITE DISPOSAL OF ALL DEBRIS RESULTING FROM THEIR WORK. ABSOLUTELY NO DEBRIS (IE PLASTER, MORTAR, GROUT, CONCRETE, PAINT ETC) EITHER DIRECTLY OR BY CLEANING OF TOOLS SHALL BE DISPOSED OF THROUGH EXISTING PLUMBING FIXTURES OR SANITARY WASTE PIPING SYSTEM. IF THE PROPER CLEAN UP IS NOT PROVIDED TO THE SATISFACTION OF THE OWNER AND THE ARCHITECT, ANY INDEPENDENT COSTS INCURRED BY THE OWNER TO OBTAIN CLEAN UP SERVICES SHALL BE BILLED DIRECTLY TO THE PRIME CONTRACTORS AS DIRECTED BY THE ARCHITECT. INSUFFICIENT CLEAN UP BY PRIME CONTRACTORS THROUGHOUT THE DURATION OF THIS PROJECT WILL NOT BE TOLERATED. IF THE RESPONSIBLE PARTY CAN NOT BE IDENTIFIED, THEN EACH PRIME CONTRACTOR WILL SHARE IN CLEAN-UP COSTS BASED UPON THEIR CONTRACT VALUE AS COMPARED TO THE OVERALL CONSTRUCTION COST.
- CONTRACTORS SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK OR SHOP FABRICATIONS. ANY REQUIRED CHANGES TO WORK SHOWN ON DRAWINGS SHALL BE COORDINATED WITH THE ARCHITECT / ENGINEER AND OTHER CONTRACTORS PRIOR TO CONSTRUCTION.
- ALL WORK SHOWN ENCOMPASSES BOTH THE DRAWINGS AND SPECIFICATIONS. WORK INCLUDED ON THE DRAWINGS ONLY OR IN THE SPECIFICATION ONLY SHALL BE INCORPORATED AS IF INCLUDED IN BOTH. SYSTEMS ARE INTENDED TO BE COMPLETE AND FULLY FUNCTIONING. THE CONTRACTOR SHALL PROVIDE SUCH COMPONENTS AS NECESSARY FOR A FULLY FUNCTIONING SYSTEM.
- ALL CONTRACTORS ARE RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK OF OTHER CONTRACTORS AND THE OWNER. COORDINATE REQUIRED SHUTDOWNS OF ANY EXISTING SYSTEMS WITH THE OWNER.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTION MANUAL OR MANUFACTURER'S REPRESENTATIVE'S WRITTEN INSTRUCTIONS.
- ABOVE FINISHED FLOOR (AFF) DIMENSIONS SHOWN ON THE DRAWINGS INDICATED CLEAR DIMENSIONS FROM FINISH FLOOR (FF) TO BOTTOM OF UNIT OR FIXTURE UNLESS NOTED OTHERWISE.
- ALL EQUIPMENT OR MATERIALS SHALL BE NEW. ANY COMPONENTS SHOWN IN AN EXISTING SYSTEM SHALL BE OF THE SAME MANUFACTURER, UNLESS NOTED OTHERWISE.
- ALL REFERENCES TO APPLICABLE CODES, SPECIFICATIONS AND STANDARDS CALLED FOR IN THE SPECIFICATIONS OR ON THE DRAWINGS MEAN THE LATEST EDITION. AMENDMENT AND REVISION OF SUCH REFERENCED STANDARDS / CODE IN EFFECT ON THE DATE OF THESE CONTRACT DOCUMENTS.
- CONTRACT DRAWINGS ARE, IN PART, DIAGRAMMATIC AND ARE INTENDED TO CONVEY THE SCOPE OF THE WORK AND INDICATE THE GENERAL ARRANGEMENT OF THE EQUIPMENT. FOLLOW THE DRAWINGS IN LAYING OUT THE WORK. CONSULT ALL DRAWINGS OF ALL TRADES TO BECOME FAMILIAR WITH ALL CONDITIONS AFFECTING THE WORK AND TO VERIFY SPACES IN WHICH THE WORK WILL BE INSTALLED. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE, OPERATIONAL, AND SATISFACTORY INSTALLATION READY FOR CONTINUOUS USE.

LIFE SAFETY CONSIDERATIONS

- AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE ELECTRICAL DISTRIBUTION & FIRE DETECTION SYSTEM IN AN OPERATIONAL STATE THROUGHOUT ALL OWNER OCCUPIED AREA.
- THROUGHOUT THE DURATION OF THE PROJECT ALL CONTRACTORS SHALL MAINTAIN CLEAR AND SAFE PASSAGE THROUGH EXISTING CORRIDORS. TEMPORARY CONSTRUCTION BARRIERS WILL BE ERECTED AND MAINTAINED BY THE GENERAL CONTRACTOR IN LOCATIONS INDICATED ON THE DRAWINGS OR AS DIRECTED BY THE ARCHITECT. SEE BARRIER CONSTRUCTION DETAIL ON A-101.
- ALL ORGANIC COMPOUNDS INCLUDING BUT NOT LIMITED TO NEW CARPET, BASE, VCT ADHESIVE, PAINTS, SEALERS & FINISHES SHALL BE PROVIDED A MINIMUM OF 48 HOURS "BAKING OUT" TIME PRIOR TO BUILDING OCCUPATION. CONTRACTOR TO PROVIDE ALL NECESSARY TEMP SPACE VENTILATION AS NEEDED TO THOROUGHLY EXHAUST ALL ODORS.
- ALL CONTRACTORS MUST MAINTAIN MSDS FORMS INDICATING SAFE TIMES FOR OCCUPANCY ON SITE FOR ALL VOLATILE MATERIALS INCORPORATED IN THE WORK.
- THE CONTRACTOR IS ADVISED THAT THE PRESENCE OF OSHA LEAD-BASED PAINT MAY EXIST ON EXISTING INTERIOR AND EXTERIOR FINISHES AND STEEL FRAMING MEMBERS. IDENTIFIED ON DRAWINGS. THE LEAD-BASED PAINT TEST REPORT IS ON RECORD WITH THE DISTRICT AND AVAILABLE TO THE CONTRACTORS.
- THE CONTRACTOR SHALL COMPLETE DEMOLITION (COMPONENT REMOVAL) IN ACCORDANCE WITH U.S. DEPARTMENT OF HOUSING & URBAN DEVELOPMENT GUIDELINES FOR THE EVALUATION AND CONTROL OF LEAD-BASED PAINT HAZARDS, PART XI ENVIRONMENTAL PROTECTION AGENCY, 40 CFR PART 745 - LEAD, REQUIREMENTS FOR LEAD-BASED PAINT ACTIVITIES IN TARGET HOUSING AND CHILD OCCUPIED FACILITIES AND APPLICABLE OSHA REGULATIONS INCLUDING BUT NOT LIMITED TO 29 CFR 1910.1021 LEAD IN GENERAL INDUSTRY STANDARD & 29 CFR 1926.62 LEAD IN CONSTRUCTION INDUSTRY STANDARD.
- ALL CONTRACTORS ARE ADVISED THAT ANY DISTURBING OF ASBESTOS CONTAINING MATERIAL, KNOWN OR ASSUMED AT THE PROJECT SITE IS PROHIBITED BY ALL CONTRACTORS OTHER THAN A NYS LICENSED ASBESTOS CONTRACTOR. THE ASBESTOS CONTRACTOR SHALL BE IN COMPLIANCE W/ NYS CODE RULE 56.
- IN THE EVENT OF AN UNCONTROLLED ASBESTOS DISTURBANCE, THE ROOM / SPACE / AREA SHALL BE VACATED & ISOLATED IMMEDIATELY. THE ASBESTOS CONTRACTOR SHALL COMMENCE THE APPROPRIATE CLEAN-UP INCLUDING ALL NOTIFICATIONS, AND/OR VARIANCES REQUIRED.

ARCHITECTURE SYMBOLS

EXISTING DOOR NUMBER	100 A
NEW DOOR NUMBER	100 A
WINDOW TYPE	W 5
PARTITION TYPES	8 CMU PART.
	6 METAL STUD PART.
FIXTURE ID	1
ACCESSIBLE TURNING RADIUS	
ACCESSIBLE FIXTURE	



REFERENCE PLAN LEGEND



KEY PLAN:

SED CONTROL NO. 44-09-01-04-0-008-017

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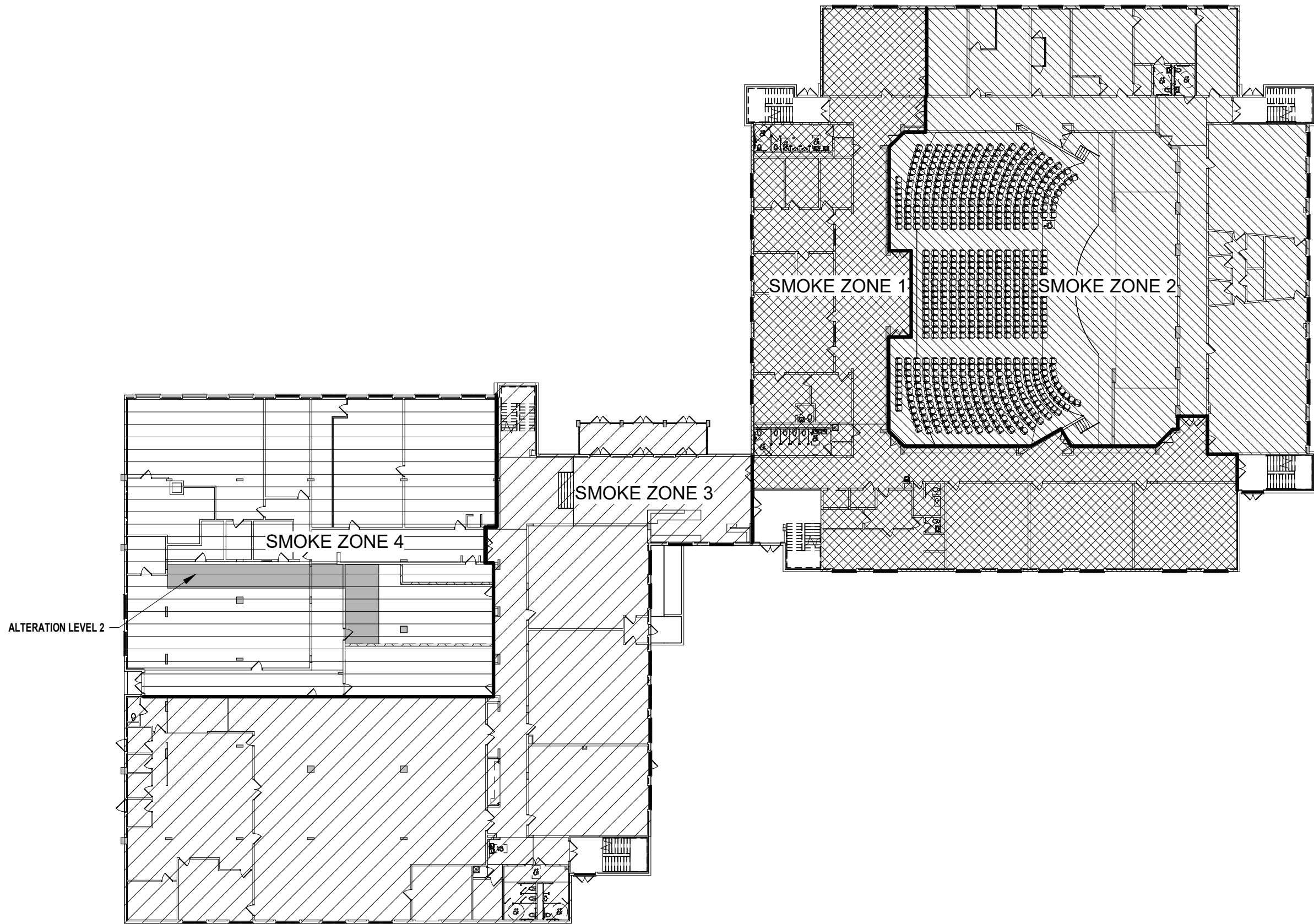
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HIGHLAND FALLS - FORT MONTGOMERY CSD
JAMES I. O'NEILL HIGH SCHOOL
HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

REV	DATE	DESCRIPTION

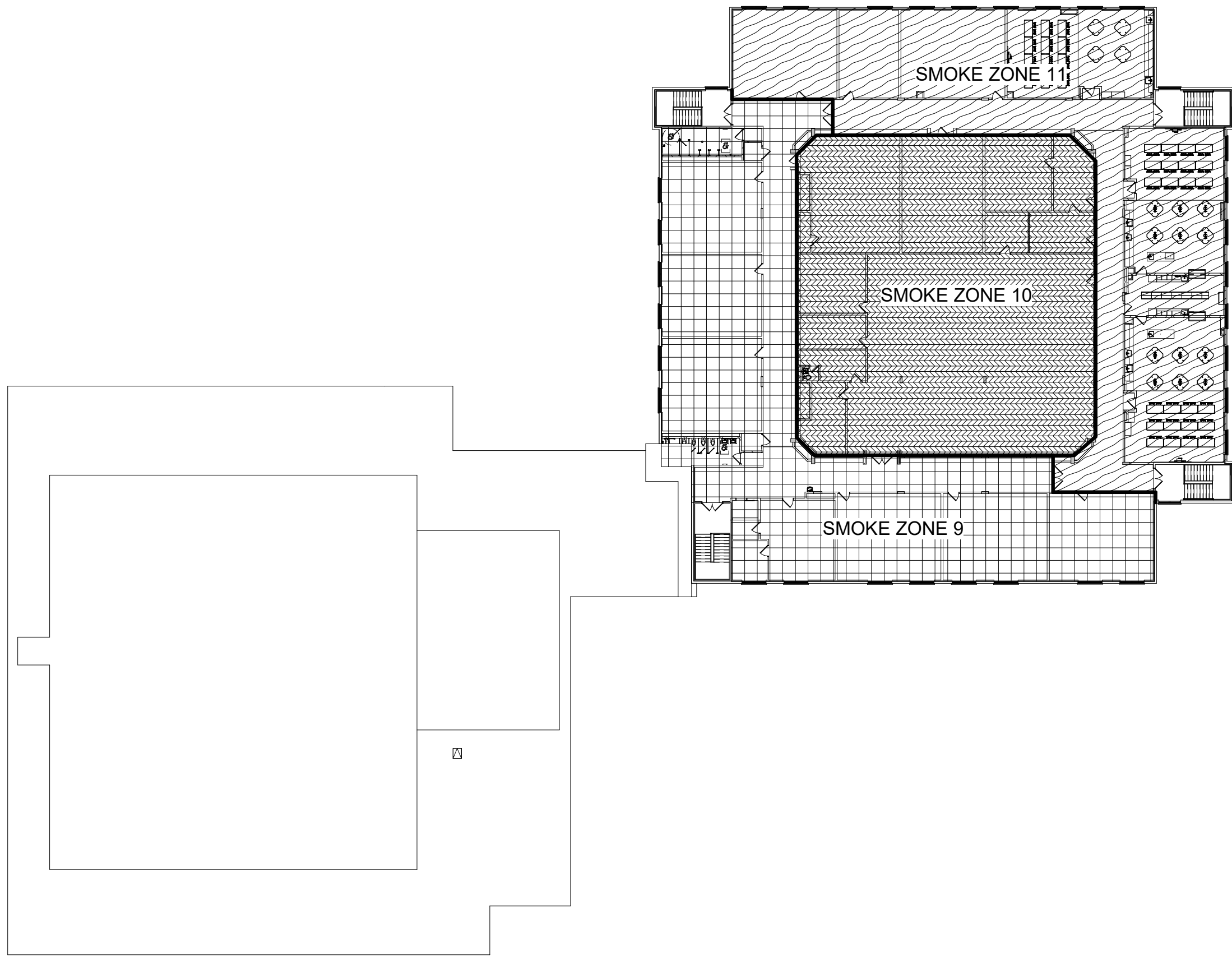
DRAWN BY NPB	PROJECT NUMBER 2020-117
CHECKED BY JAS	DATE REBID 09.10.2021

REFERENCE PLANS

9/8/2021 10:02:25 AM



1 FIRE AREAS - FIRST FLOOR
SCALE: 1/32" = 1'-0"



3 FIRE AREAS - THIRD FLOOR
SCALE: 1/32" = 1'-0"

OCCUPANT CALCULATION	
AREA	OCCUPANTS
FIRST FLOOR AREA A	
ASSEMBLY	796
BUSINESS	50
EDUCATION	182
FIRST FLOOR AREA B	
ASSEMBLY	532
BUSINESS	0
EDUCATION	236
SECOND FLOOR AREA A	
ASSEMBLY	0
BUSINESS	0
EDUCATION	398
SECOND FLOOR AREA B	
ASSEMBLY	800
BUSINESS	0
EDUCATION	64
THIRD FLOOR AREA A	
ASSEMBLY	100
BUSINESS	50
EDUCATION	560
TOTALS	
ASSEMBLY	2228
BUSINESS	100
EDUCATION	1440

BUILDING CODE COMPLIANCE INFORMATION AS PER ADOPTED CODE ON NYS (2020 EDITION)

I. SCOPE

* PROJECT INVOLVES RENOVATIONS AND ALTERATIONS TO EXIST BUILDING. WORK WILL INVOLVE CHAPTER 6 AND CHAPTER 7 OF THE EXISTING BUILDING CODE OF NEW YORK STATE.

AREA OF ALTERATIONS - LEVEL 1 (CHAPTER 6)

AREA OF ALTERATIONS - LEVEL 2 (CHAPTER 7)

* ALTERATIONS TO EXISTING BUILDING SHALL NOT INCREASE THE STRESS OF ANY ELEMENT MORE THAN 5% NOR INVOLVE MORE THAN 25% OF THE BUILDING AREA.

* ALL WORK SHALL BE IN ACCORDANCE WITH THE ADOPTED CODES OF NEW YORK STATE INCLUDING THE BUILDING, FIRE, PLUMBING, MECHANICAL, AND ENERGY CONSERVATION CONSTRUCTION CODE.

* ALL WORK SHALL BE IN ACCORDANCE WITH THE MANUAL OF PLANNING STANDARDS FOR SCHOOL BUILDINGS AS ESTABLISHED BY THE NYS EDUCATION DEPARTMENT.

II. OCCUPANCY CLASSIFICATION

* PRIMARY OCCUPANCY = (GROUP E) EDUCATIONAL 7-12

* ACCESSORY OCCUPANCIES = (GROUP A-1) ASSEMBLY - AUDITORIUM
(GROUP A-2) ASSEMBLY - CAFETERIA
(GROUP A-3) ASSEMBLY - LIBRARY
(GROUP A-4) ASSEMBLY - GYM
(GROUP B) BUSINESS - ADMINISTRATIVE OFFICES & NURSES OFFICE
(GROUP S-2) STORAGE - LOW HAZARD STORAGE

* INCIDENTAL USE AREAS = TOILET, MECHANICAL/ELECTRICAL/JANITORIAL AND STORAGE AREAS

III. CONSTRUCTION CLASSIFICATION

* AREA 'A' (1982) = TYPE II-B UNPROTECTED NON-COMBUSTIBLE

* AREA 'B' (1934) = TYPE II-B UNPROTECTED NON-COMBUSTIBLE

IV. HEIGHT & AREA SUMMARY

* ACTUAL GROSS BUILDING AREA = 133,593 SF

BUILDING (EXISTING)

AREA 'A' (1982) 81,773 SF

AREA 'B' (1934) 51,820 SF

133,593 SF

BUILDING (ALTERATION - LEVEL 1)

AREA 'A' 1,728 SF

1,728 SF

BUILDING (ALTERATION - LEVEL 2)

AREA 'A' 11,707 SF

AREA 'B' 8,551 SF

20,258 SF

* PERMITTED BUILDING AREA (TABLE 503)

GROUP E (TYPE IIB) = 14,500 SF PER STORY; (TYPE IIA) = 26,500 SF PER STORY

* MAXIMUM OVERALL BUILDING HEIGHT ABOVE GRADE

GROUP E = 52 FT + (1934 WING) 3 STORIES

* PERMITTED BUILDING HEIGHT (TABLE 503)

GROUP E (TYPE IIB) = 2 STORIES, 55 FT

(TYPE IIA) = 3 STORIES, 65 FT

EXISTING BUILDING IS A EXISTING NON-CONFORMING PER CHAPTER 6 OF THE EXISTING BUILDING CODE

V. MEANS OF EGRESS

* MAXIMUM OCCUPANCY BASED UPON EGRESS WIDTH PER OCCUPANT (TABLE 1005.1)

WITHOUT SPRINKLERS = 0.3 STAIRS & 0.2 OTHER COMPONENTS AS PER TABLE 1004.1.1

* MAXIMUM OCCUPANCY BASED UPON EGRESS WIDTH PER OCCUPANT (SED STANDARDS)

WITHOUT SPRINKLERS = 1.0 PER 22" CLEAR OPENING

CAPACITY PER 22" UNIT OF EXIT WIDTH

* STAIRS = 60

* DOORS = 90

* NOT MORE THAN 1-STORY = 100 ABOVE GRADE

* 200 FT. MAXIMUM TRAVEL DISTANCE WITHOUT SPRINKLER SYSTEM (TABLE 1016.1)

* 150 FT. MAXIMUM TRAVEL DISTANCE AT GROUND FLOOR WITHOUT SPRINKLER SYSTEM (SED STANDARDS)

* 100 FT. MAXIMUM TRAVEL DISTANCE AT OTHER THAN GROUND FLOOR WITHOUT SPRINKLER SYSTEM (SED STANDARDS)

VI. FIRE CODE

* AUTOMATIC SPRINKLER SYSTEM REQUIRED THROUGHOUT FOR ALL FIRE AREAS GREATER THAN 20,000 SQUARE FEET AS PER SECTION 903.2.2 OF THE BUILDING CODE OF NEW YORK STATE. HOWEVER, THIS IS AN EXISTING NONCOMPLIANT CONDITION UNDERGOING ONLY MINOR ALTERATIONS AS PER SECTION 604.2.2 OF THE EXISTING BUILDING CODE. WORK AREAS DO NOT REQUIRE AN AUTOMATIC SPRINKLER AS THE WORK AREA DOES NOT EXCEED 50 PERCENT OF THE FLOOR AREA.

* ALL PORTIONS OF THE BUILDING ARE WITHIN 150 FT. OF A FIRE APPARATUS ACCESS ROAD WITH AN UNOBSTRUCTED WIDTH OF 20 FT AS PER SECTION 903 OF THE FIRE CODE.

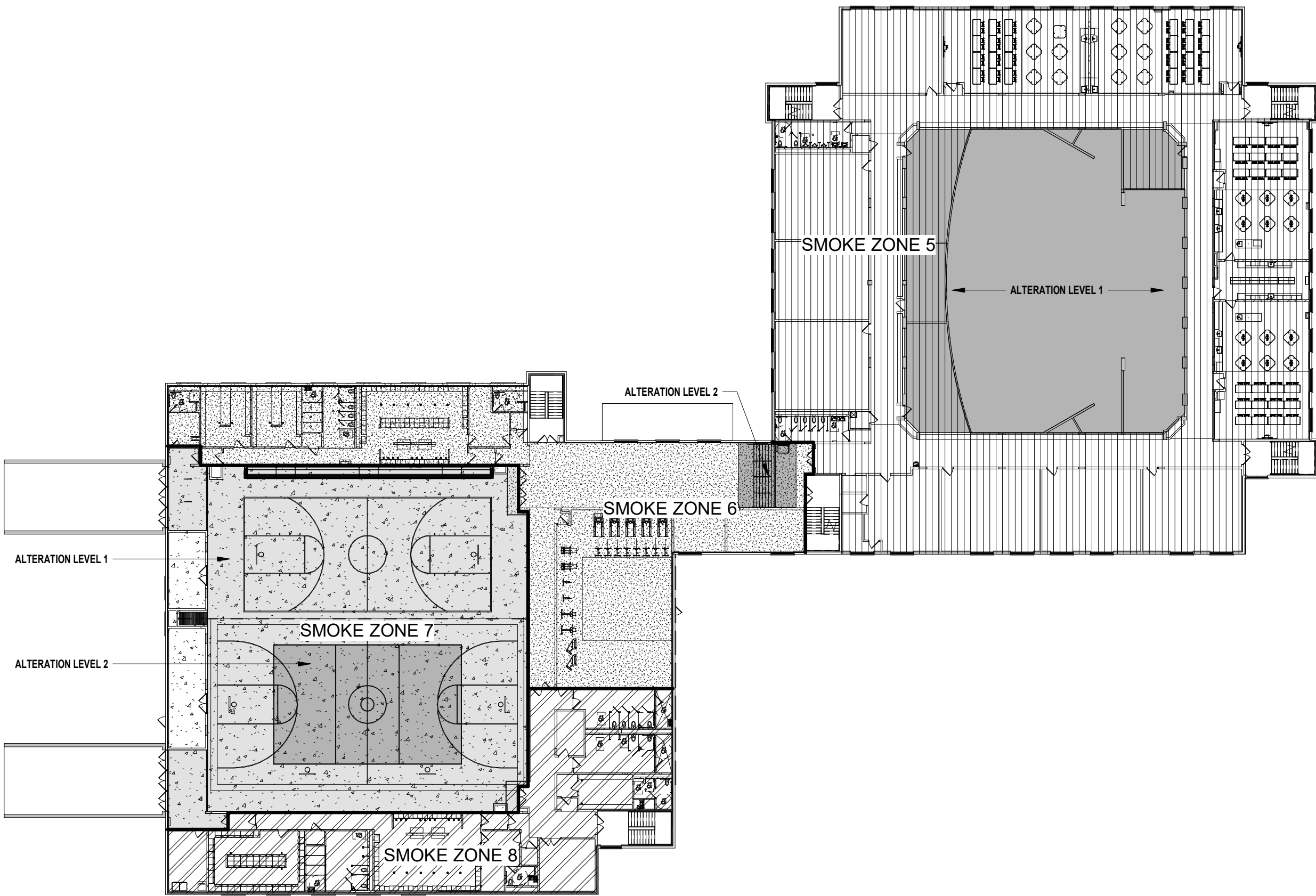
* PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED SUCH THAT THE MAXIMUM TRAVEL DISTANCE TO AN EXTINGUISHER IS 75 FT AS PER TABLE 906.3 OF THE FIRE CODE.

VII. ENERGY CONSERVATION

* BUILDING ENVELOPE REQUIREMENTS - CLIMATE ZONE 5 (ORANGE COUNTY) AS PER TABLE 301.1 OF THE ENERGY CONSERVATION CODE (TABLE 502.2 & 502.3)

A. ROOF ASSEMBLY R-30 (PER CODE), R-24 (PER SED)

B. WINDOWS: U-FACTOR 0.45

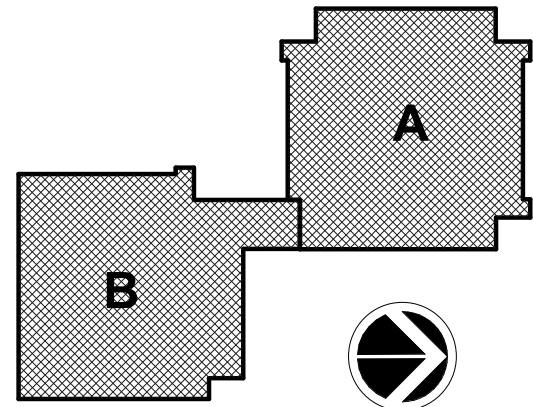


2 FIRE AREAS - SECOND FLOOR
SCALE: 1/32" = 1'-0"

SMOKE AREA LEGEND

	SMOKE AREA 1 - 10,605 SF
	SMOKE AREA 2 - 15,515 SF
	SMOKE AREA 3 - 15,330 SF
	SMOKE AREA 4 - 10,145 SF
	SMOKE AREA 5 - 19,545 SF
	SMOKE AREA 6 - 7,790 SF
	SMOKE AREA 7 - 12,210 SF
	SMOKE AREA 8 - 5,110 SF
	SMOKE AREA 9 - 8,975 SF
	SMOKE AREA 10 - 8,405 SF
	SMOKE AREA 11 - 8,605 SF

KEY PLAN:



SED CONTROL NO. 44-09-01-04-0-008-017

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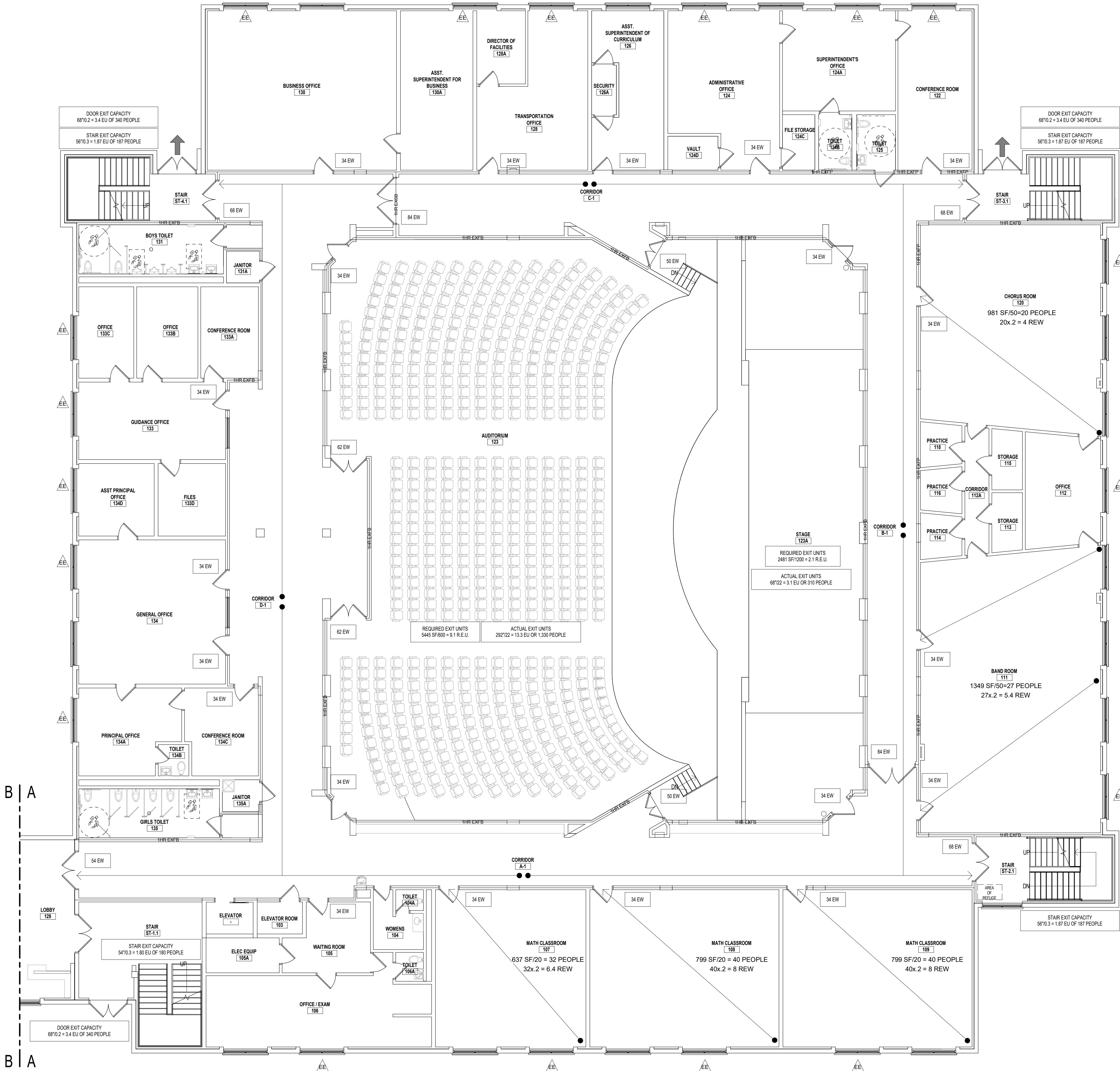
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BUILDING AREA AND FIRE AREA
PLANS

SHEET NUMBER

CC-100

9/8/2021 10:04:27 AM



1 OCCUPANCY & EGRESS PLAN - FIRST FLOOR AREA A
SCALE: 1/8" = 1'-0"

CODE COMPLIANCE LEGEND

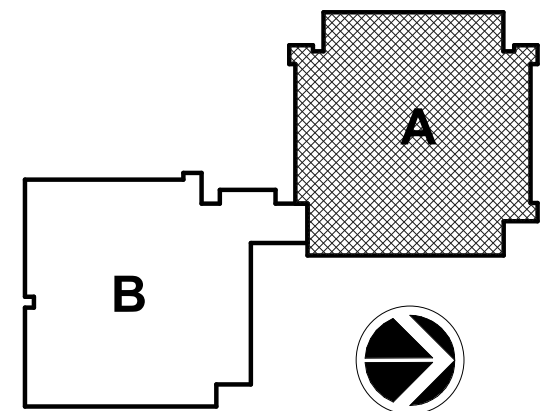
- AREA OF ALTERATIONS - LEVEL 1 (CHAPTER 6)
 - AREA OF ALTERATIONS - LEVEL 2 (CHAPTER 7)
 - EXISTING EGRESS WINDOW
 - EGRESS WINDOW
 - EXIT WIDTH PROVIDED
 - TRAVEL PATH TO EXIT
 - FIRE EXTINGUISHER CABINET
 - FIRE EXTINGUISHER
 - FIRE BLANKET
 - DRINKING FOUNTAIN
 - AREA OF REFUGE
 - EXIT
- * PREFIX "N" REPRESENT NEW, CONTRACTOR TO PROVIDE & INSTALL
* PREFIX "E" REPRESENT EXISTING TO REMAIN

FIRE-RATED LINE LEGEND:

- 1HR EXISTING SMOKE BARRIER
- 1HR EXISTING FIRE BARRIER
- 2HR EXISTING FIRE BARRIER
- 1HR EXISTING FIRE PARTITION
- 1HR FIRE BARRIER
- 1HR FIRE PARTITION

NOTE:
ALL EXISTING FIRE RATINGS INDICATED ON PLANS ARE ASSUMED BASED ON EXISTING BUILDING PLANS, AND ARE NOT REVIEWED BY BCA FOR ACCURACY.

KEY PLAN:



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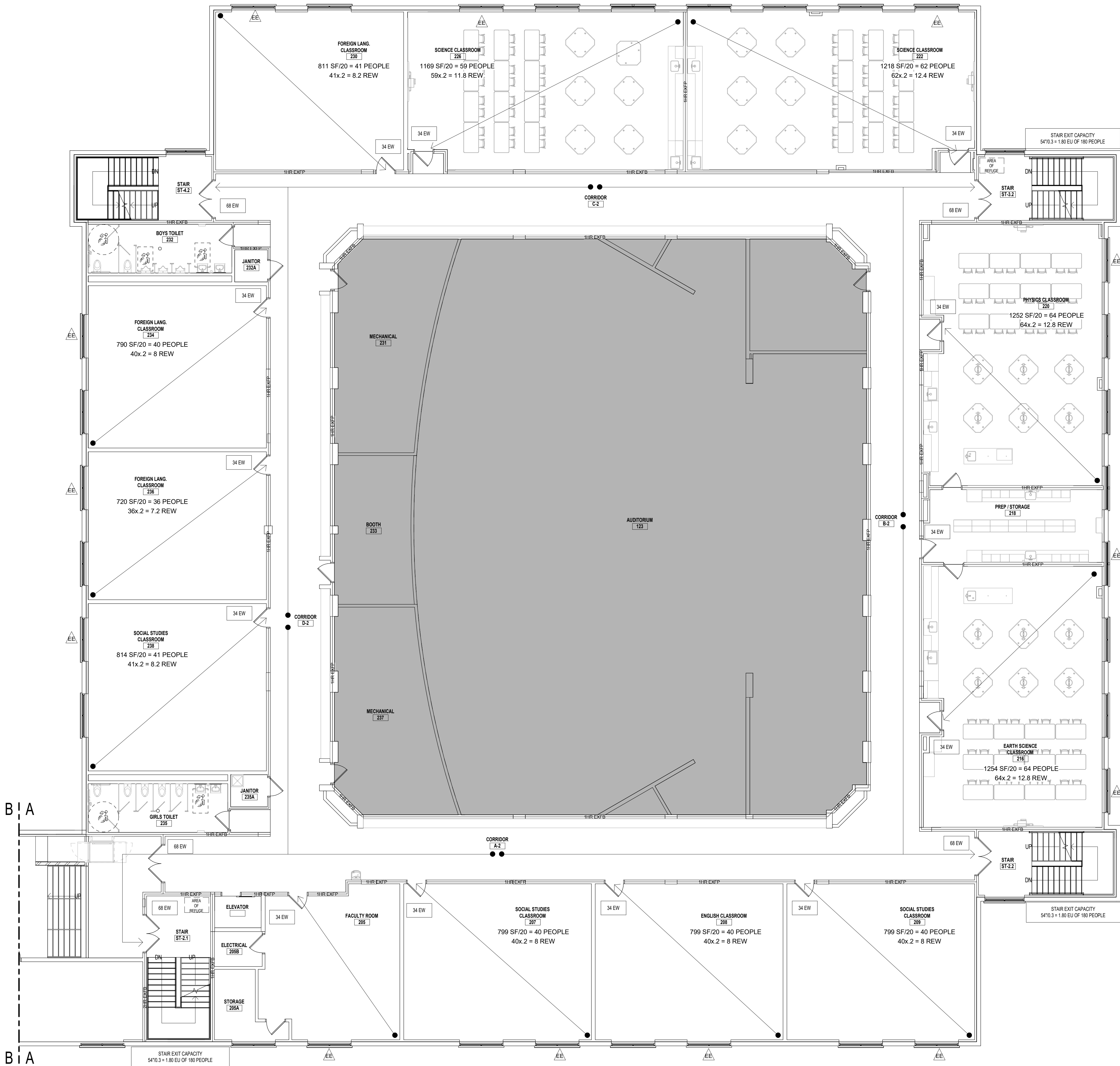
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REV	DATE	DESCRIPTION
DRAWN BY	NPB	PROJECT NUMBER
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OCCUPANCY & EGRESS - FIRST FLOOR AREA A		REBID 09.10.2021
SHEET NUMBER		CC-101



CC-102

9/8/2021 10:06:43 AM



1 OCCUPANCY & EGRESS PLAN - SECOND FLOOR AREA A
SCALE: 1/8" = 1'-0"

CODE COMPLIANCE LEGEND

[Light Gray Box]	AREA OF ALTERATIONS-LEVEL 1 (CHAPTER 6)
[Dark Gray Box]	AREA OF ALTERATIONS-LEVEL 2 (CHAPTER 7)
[Triangle with EE]	EXISTING EGRESS WINDOW
[Triangle with E]	EGRESS WINDOW
[Box with 34 EW]	EXIT WIDTH PROVIDED
[Arrow]	TRAVEL PATH TO EXIT
[FEC]	FIRE EXTINGUISHER CABINET
[FE]	FIRE EXTINGUISHER
[FB]	FIRE BLANKET
[DF]	DRINKING FOUNTAIN
[Box with AREA OF REFUGE]	AREA OF REFUGE
[Up Arrow]	EXIT

* PREFIX "N" REPRESENT NEW, CONTRACTOR TO PROVIDE & INSTALL
* PREFIX "E" REPRESENT EXISTING TO REMAIN

FIRE-RATED LINE LEGEND:

[Line with 1HR EXISTING SMOKE BARRIER]	1HR EXISTING SMOKE BARRIER
[Line with 1HR EXISTING FIRE BARRIER]	1HR EXISTING FIRE BARRIER
[Line with 2HR EXISTING FIRE BARRIER]	2HR EXISTING FIRE BARRIER
[Line with 1HR EXISTING FIRE PARTITION]	1HR EXISTING FIRE PARTITION
[Line with 1HR FIRE BARRIER]	1HR FIRE BARRIER
[Line with 1HR FIRE PARTITION]	1HR FIRE PARTITION

NOTE:
ALL EXISTING FIRE RATINGS INDICATED ON PLANS ARE ASSUMED BASED ON EXISTING BUILDING PLANS, AND ARE NOT REVIEWED BY BCA FOR ACCURACY.

KEY PLAN:

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OCCUPANCY & EGRESS - SECOND FLOOR AREA A

SHEET NUMBER
CC-103

9/8/2021 10:07:33 AM

1 OCCUPANCY & EGRESS PLAN - SECOND FLOOR AREA B

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

CODE COMPLIANCE LEGEND

AREA OF ALTERATIONS - LEVEL 1 (CHAPTER 6)

AREA OF ALTERATIONS - LEVEL 2 (CHAPTER 7)

EXISTING EGRESS WINDOW

EGRESS WINDOW

EXIT WIDTH PROVIDED

TRAVEL PATH TO EXIT

FIRE EXTINGUISHER CABINET

FIRE EXTINGUISHER

FIRE BLANKET

DRINKING FOUNTAIN

AREA OF REFUGE

EXIT

* PREFIX "N" REPRESENT NEW, CONTRACTOR TO PROVIDE & INSTALL

* PREFIX "E" REPRESENT EXISTING TO REMAIN

FIRE-RATED LINE LEGEND:

1HR EXISTING SMOKE BARRIER

1HR EXISTING FIRE BARRIER

2HR EXISTING FIRE BARRIER

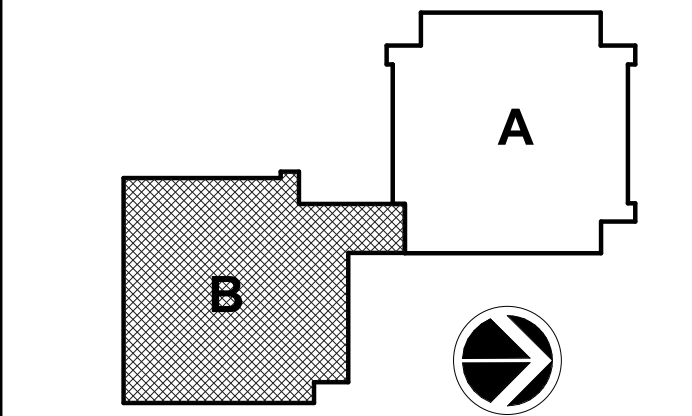
1HR EXISTING FIRE PARTITION

1HR FIRE BARRIER

1HR FIRE PARTITION

NOTE:
ALL EXISTING FIRE RATINGS INDICATED ON PLANS ARE ASSUMED BASED ON EXISTING BUILDING PLANS, AND ARE NOT REVIEWED BY BCA FOR ACCURACY.

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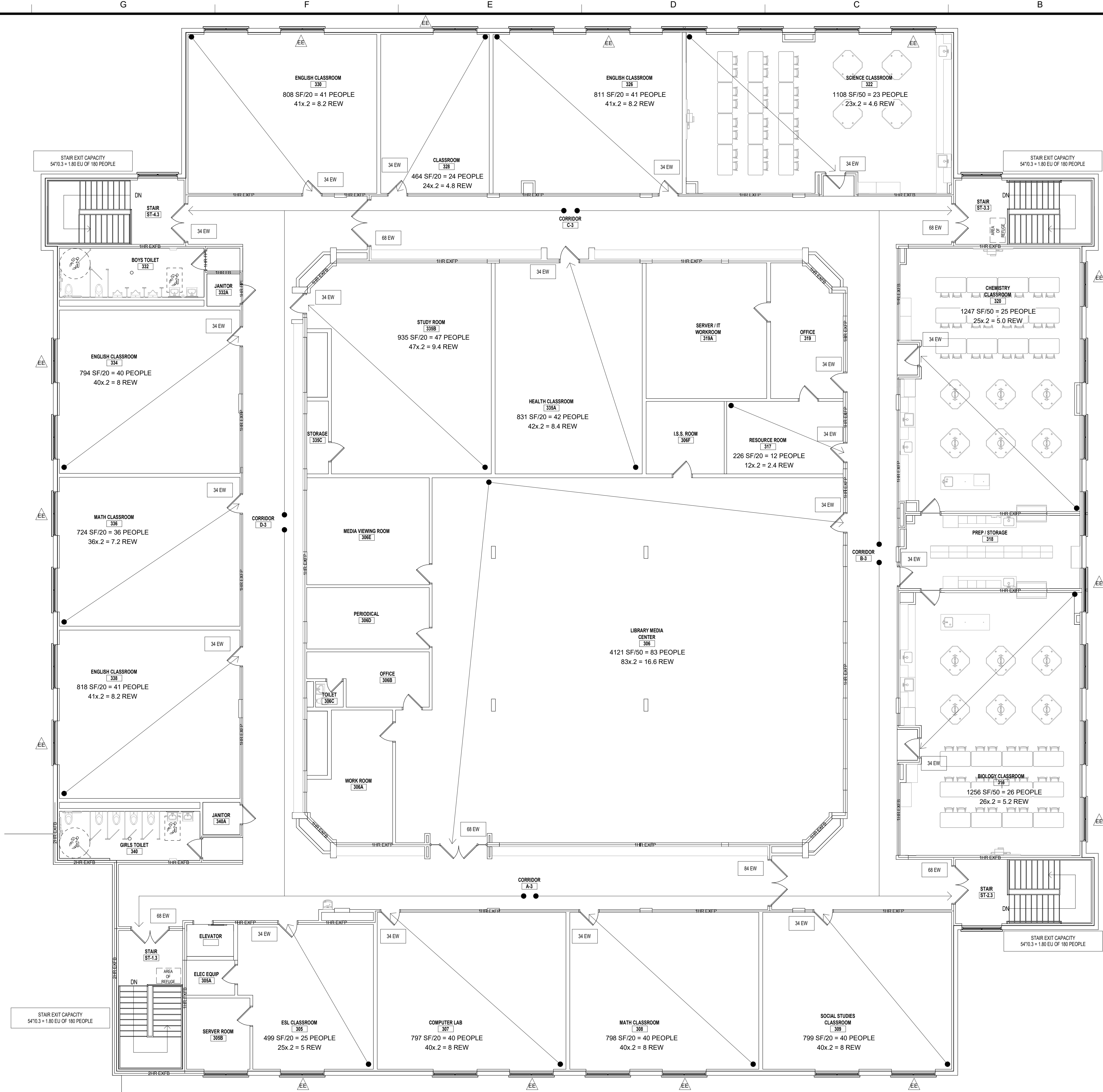
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OCCUPANCY & EGRESS - SECOND FLOOR AREA B

SHEET NUMBER

CC-104

9/8/2021 10:08:18 AM



1 OCCUPANCY & EGRESS PLAN - THIRD FLOOR AREA A
SCALE: 1/8" = 1'-0"

CODE COMPLIANCE LEGEND

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[Shaded Box]	AREA OF ALTERATIONS-LEVEL 2 (CHAPTER 7)
[Triangle with EE]	EXISTING EGRESS WINDOW
[Triangle with E]	EGRESS WINDOW
[Box with 34 EW]	EXIT WIDTH PROVIDED
[Arrow]	TRAVEL PATH TO EXIT
[FEC]	FIRE EXTINGUISHER CABINET
[FE]	FIRE EXTINGUISHER
[FB]	FIRE BLANKET
[DF]	DRINKING FOUNTAIN
[Box with AREA OF REFUGE]	AREA OF REFUGE
[Up Arrow]	EXIT

* PREFIX "N" REPRESENT NEW, CONTRACTOR TO PROVIDE & INSTALL
* PREFIX "E" REPRESENT EXISTING TO REMAIN

FIRE-RATED LINE LEGEND:

[Line Style]	1HR EXISTING SMOKE BARRIER	
[Line Style]	1HR EXISTING FIRE BARRIER	
[Line Style]	2HR EXISTING FIRE BARRIER	
[Line Style]	1HR EXISTING FIRE PARTITION	
[Line Style]	1HR FB	1HR FIRE BARRIER
[Line Style]	1HR FP	1HR FIRE PARTITION

NOTE:
ALL EXISTING FIRE RATINGS INDICATED ON PLANS ARE ASSUMED BASED ON EXISTING BUILDING PLANS, AND ARE NOT REVIEWED BY BCA FOR ACCURACY.

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OCCUPANCY & EGRESS - THIRD FLOOR AREA A

SHEET NUMBER
CC-105

9/8/2021 9:57:12 AM

PRE-ABATEMENT WORK NOTES:

1. THESE DRAWNGS HAVE BEEN PREPARED BY UTILIZING THE OWNERS ORIGINAL CONSTRUCTION DOCUMENTS IN ORDER TO ILLUSTRATE THE EXISTING CONDITIONS OF THE SITE AND STRUCTURES THEREIN. THE CONTRACTOR SHALL BEE RESPONSIBLE FOR ACTUAL VERIFICATION OF ALL EXISTING CONDITIONS IN THE FIELD.
2. THE ASBESTOS CONTAINING MATERIALS, CONFIGURATIONS AND LOCATIONS SHOWN IN THESE DRAWINGS ARE BASED ON THE ASBESTOS CONTAINING MATERIALS TESTING REPORT. REFER TO THE ASBESTOS CONTAINING MATERIALS REPORT FOR FURTHER INFORMATION.
3. THE CONTRACTOR SHALL DETERMINE EXACT FINAL LOCATIONS OF PERSONAL AND WASTE DECONTAMINATION ENCLOSURES, PICK UP AREA FOR REFUSE AND ASBESTOS DEBRIS, THESE LOCATIONS SHALL BE REVIEWED AND PROPERLY APPROVED BY THE DISTRICT PRIOR TO COMMENCEMENT OF WORK. THIS CONTRACTOR SHALL ESTABLISH, LABEL AND MAINTAIN PROPER EXITS AND WAYS OF DEPARTURE WITHIN EACH WORK AREA FOR NORMAL AND EMERGENCY USE BY WORKERS DURING ALL ABATEMENT.
4. THE CONTRACTOR, PRIOR TO BIDDING, SHALL BE RESPONSIBLE TO BECOME COMPLETELY FAMILIAR WITH ALL ASPECTS OF THE PROJECT, INCLUDING, BUT NOT LIMITED TO, ALL DEMOLITION AND CONSTRUCTION WORK AS SHOWN IN THE COMPLETE SET OF DRAWINGS AND IN THE PROJECT MANUAL/SPECIFICATIONS, IN ORDER THAT THE FULL SCOPE OF WORK WHICH MAY ENCOUNTER ASBESTOS CONTAINING MATERIALS IS UNDERSTOOD AND ACCOUNTED FOR BY THE CONTRACTOR IN HIS PROJECT WHETHER OR NOT SHOWN IN THESE DOCUMENTS.

ASBESTOS REMOVAL GENERAL NOTES:

1. ASBESTOS ABATEMENT INDICATED ON THIS DRAWING SHALL BE PERFORMED BY A NYS DEPARTMENT OF LABOR LICENSED ASBESTOS CONTRACTOR, SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND QUANTITIES PRIOR TO BID.
2. THE CONTRACTOR SHALL PERFORM ALL CONTRACT WORK IN ACCORDANCE WITH CONTRACT SPECIFICATIONS, NEW YORK STATE DEPARTMENT OF LABOR (NYSDDL) INDUSTRIAL CODE RULE 56, OSHA, NESHAPS, AHEA, NYSDEC AND ALL OTHER APPLICABLE CODES.
3. THE CONTRACTOR SHALL MAINTAIN THE SITE AS NEAT AS POSSIBLE AND ORDERLY DURING THE WORK. ALL LOOSE DEBRIS WHICH MAY BLOW OFF THE SITE SHALL BE COLLECTED AND DISPOSED OF PROPERLY BY THE CONTRACTOR ON A DAILY BASIS AS PART OF THE PROJECT.
4. THE CONTRACTOR SHALL PROVIDE BARRIERS AROUND THE WORK AREAS IN ORDER TO ENSURE SAFE PASSAGE BY ANY PERSON. THESE BARRIERS SHALL ALSO SERVE TO KEEP ALL UNAUTHORIZED PERSONS OUT THE PROJECT AREA FOR THE DURATION OF THE WORK.
5. VARIANCES: CONTRACTOR SHALL PAY FOR AND OBTAIN ANY NECESSARY SITE SPECIFIC VARIANCES.
6. THE CONTRACTOR SHALL MAINTAIN SECURITY IN THE BUILDING AND THE WORK AREAS AT ALL TIMES.
7. PROJECT STAGING, STORAGE, SCHEDULING AND ACCESS SHALL BE COORDINATED WITH AND APPROVED BY THE ARCHITECT AND OWNER PRIOR TO PROCEEDING WITH WORK.
8. SHOULD IT BE NECESSARY, CONTRACTOR SHALL COORDINATE SHUT DOWN AND LOCK OUT OF THE ELECTRICAL POWER WITH OWNER'S POWER WITH OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.
9. ALL TEMPORARY POWER TO THE WORK AREA SHALL BE BROUGHT IN FROM OUTSIDE THE WORK AREA THROUGH A GROUND-FULT CIRCUIT INTERRUPTER AT THE SOURCE.
- 10.CONTRACTOR SHALL COORDINATE HOOKUP OF WATER SERVICE FOR DECONTAMINATION PURPOSED WITH OWNERS REPRESENTATIVE. WATER FOR THE DECONTAMINATION UNITS IS AVAILABLE FROM THE OWNER.
- 11.THE OWNER OR OWNER'S REPRESENTATIVE IS RESPONSIBLE TO CONTRACT FOR NYSDDL PROJECTS MONITORING/AIR SAMPLING TECHNICIAN SERVICES AS REQUIRED.
- 12.CONTRACTOR TO PROVED A COPY OF MSD'S FOR ANY CHEMICAL AGENTS TO BE USED DURING THE ASBESTOS ABATEMENT TO THE PROJECT MONITOR AD THE OWNER'S REPRESENTATIVE.
- 13.CONTRACTOR SHALL REQUEST AND RECEIVE PROJECT MONITOR AND OWNER'S REPRESENTATIVE APPROVAL OF ALL WORK BEFORE ANY ABATEMENT IS UNDERTAKEN.
- 14.UNDER NO CIRCUMSTANCES SHALL CONTAMINATED WASTE WATER BE FILTERED THOUGH A SYSTEM WITH AT LEAST A 5.0 MICRON PARTICLE SIZE COLLECTION CAPABILITY.
- 15.DRAWINGS ATTEMPT TO INDICATE THE GENERAL SCOPE OF EXISTING CONDITIONS AND ITEMS EFFECTED BY THE ABATEMENT WORK. CONTRACTOR SHALL EXAMINE THE WORK AREA PRIOR TO BID AND SHALL INCLUDE FIELD VARIATIONS FROM THOSE SHOWN WITH IN THE GENERAL INTENT OF THE WORK.
- 16.THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASBESTOS CONTAINING MATERIALS CONTAINED WITHIN THE PROJECT AND ASSOCIATED WITH ALL PROJECT WORK, IN COMPLIANCE WITH ALL APPLICABLE LAWS, RULES, REGULATIONS AND ALL REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
- 17.THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASBESTOS CONTAINING MATERIALS CONTAINED WITHIN THE PROJECT AND ASSOCIATED WITH ALL PROJECT WORK, IN THE MOST EFFICIENT AND COST EFFECTIVE METHOD POSSIBLE, WHICH ALSO COMPLIES WITH THE REQUIREMENTS LISTED ABOVE.

POST-ABATEMENT WORK NOTES:

1. PROVIDE ALL APPLICABLE CODE RULE 56 PROCEDURES, CLEAN UP, AND ADDITIONAL TESTING AS REQUIRED.
2. PRIOR TO ABATEMENT, ALL CONTRACTORS WILL SURVEY EXISTING CONDITIONS IN THE ABATEMENT AND GENERAL WORK AREAS. ITEMS/MATERIALS/ETC. DAMAGED, OR NON-FUNCTIONAL SHALL BE LISTED, NOTED, PHOTOGRAPHED AND REVIEWED WITH THE PROJECT INSPECTOR. ALL OTHER ITEMS/MATERIALS SHALL BE ASSUMED TO BE IN GOD CONDITION AND GOOD WORKING ORDER. IT SHALL BE THE RESPONSIBILITY OF THE ABETMENT CONTRACTOR TO MAINTAIN ALL MATERIALS, ITEMS, EQUIPMENT, SYSTEMS, ETC. IN ITS ORIGINAL CONDITION AND RETURN TO OWNER/GC, ETC. IN SAME CONDITION AT THE END OF THIS CONTRACT.
3. REMOVE ALL TEMPORARY ENCLOSURES, BARRIERS, ETC. REINSTALL ITEMS/WORK PREVIOUSLY REMOVE, ALL TAPE AND ADHESIVE RESIDUALS TO BE REMOVED. TEST AND REPAIR.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO INSURE AGAINST DAMAGE TO THE EXISTING WORK TO REMAIN IN PLACE. ANY DAMAGE TO SUCH WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ARCHITECT AND OWNER AT NO ADDITIONAL COST TO THE CONTRACT.
5. AT COMPLETION OF THE ABATEMENT WORK, A CONDITION SURVEY SHALL BE DON BY ALL CONTRACTORS AND PROJECT INSPECTOR (SEE NOTE #2). ANY VARIATION (I.E. DAMAGE BY THE CONTRACTOR), AND OTHERWISE NOT INCLUDED AS PART OF THE RECONSTRUCTION WORK, SHALL BE REPAIRED/RESTORED BY THE ABATEMENT CONTRACTOR.
6. THE CONTRACTOR SHALL, UPON COMPLETION OF THE REMOVAL, PROVIDE WRITTEN DOCUMENTATION (INCLUDING ALL APPROPRIATE THIRD PARTY TESTING RESULTS) THAT THE PROJECT WORK AREAS ARE COMPLETELY FREE OF ALL ASBESTOS CONTAINING MATERIALS.
7. THE CONTRACTOR SHALL PROVIDE RECORDS OF ALL ASBESTOS CONTAINING MATERIALS REMOVED FROM THE SITE, INCLUDING THE COMPOSITION AND VOLUMES OF DISPOSED MATERIALS AND THE FINAL DISPOSAL SITE(S).

NOTE:
COORDINATE WORK W/
ALTERNATES GC-02 AND GC-03

KEY PLAN:

SED CONTROL NO. 44-09-01-04-0-008-017

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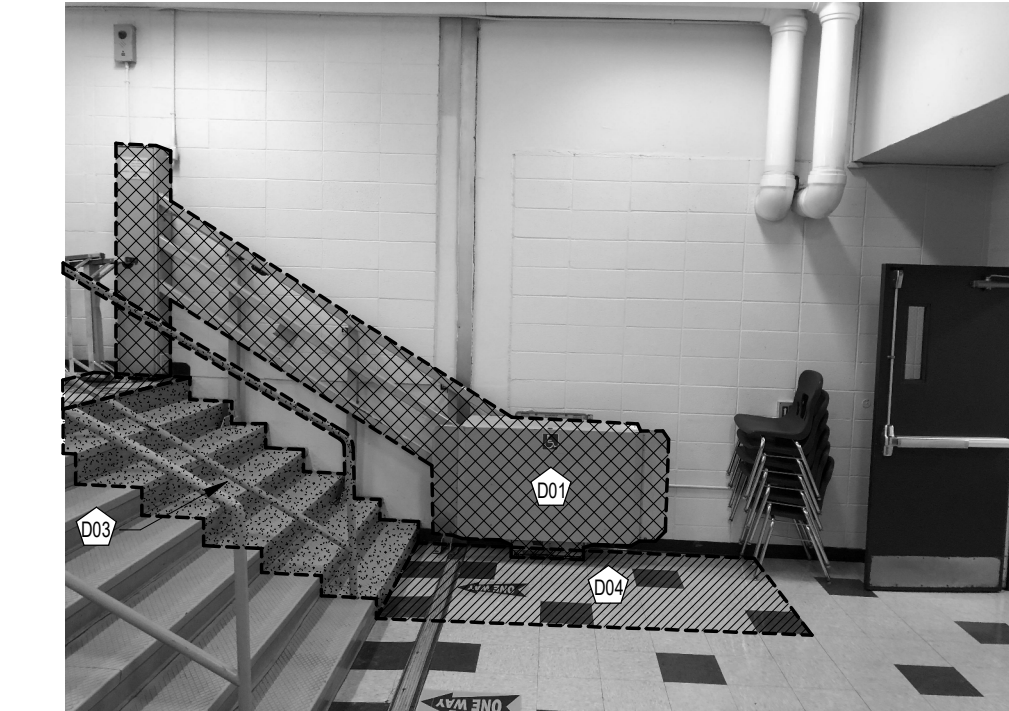
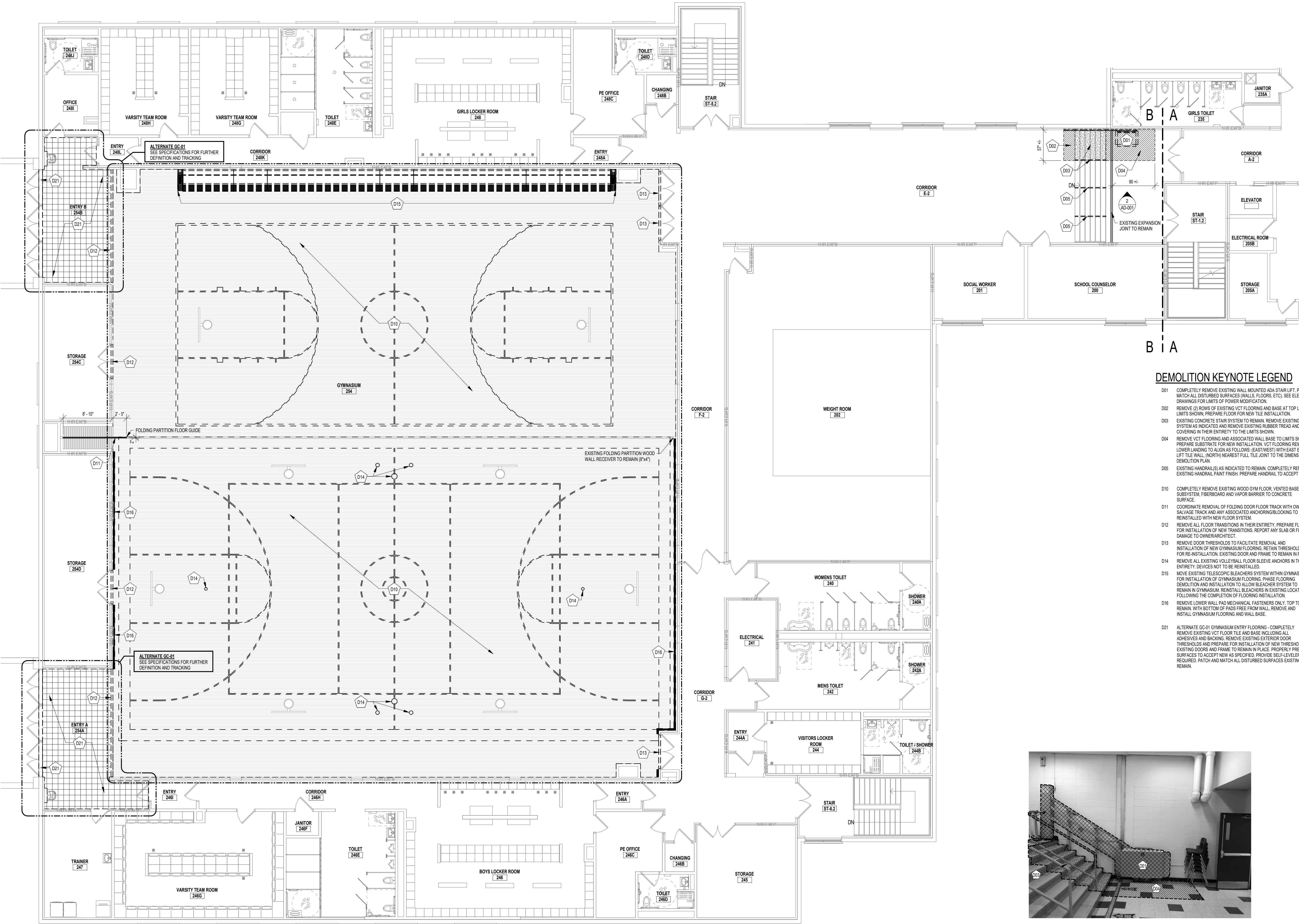
JAMES I. O'NEILL RENOVATION PROJECT
HIGHLAND FALLS - FORT MONTGOMERY CSD
JAMES I. O'NEILL HIGH SCHOOL
HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

REV	DATE	DESCRIPTION
DRAWN BY NPB	PROJECT NUMBER 2020-117	
CHECKED BY JAS	DATE REBID 09.10.2021	
ASBESTOS ABATEMENT NOTES - AREA A		
SHEET NUMBER		

HM-000

1 DEMOLITION PLAN - SECOND FLOOR AREA B

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



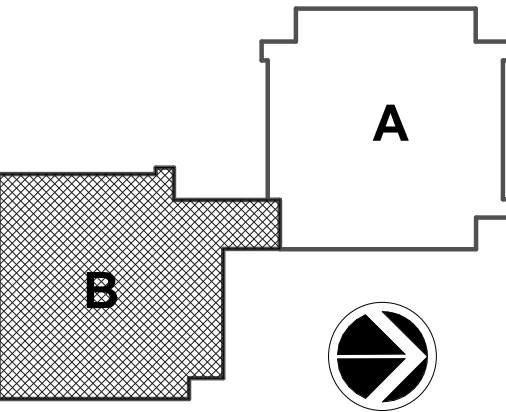
2 DEMOLITION REFERENCE PHOTO

SCALE: 1/2" = 1'-0"

GENERAL DEMOLITION NOTES:

- PREPARING WALLS, FLOOR AND CEILING FOR NEW FINISHES MEANS INFILLING ALL HOLES, CRACKS AND IMPERFECTIONS, WHETHER NEW OR EXISTING, FOR A SMOOTH FINISH APPEARANCE.
- REMOVE ALL ITEMS INDICATED W/ DASHED LINES DESIGNATED FOR DEMOLITION. PATCH & MATCH ALL DISTURBED SURFACES (WALLS, FLOORS, CEILINGS, ETC.) PROPERLY PREPARE SURFACES TO RECEIVE NEW SPECIFIED FINISH.
- OWNER SHALL REMOVE AND RELOCATE FURNITURE THAT IS LOCATED WHERE WORK IS TO BE PERFORMED. G.C. TO COORDINATE WITH OWNER AS REQUIRED TO RELOCATE FURNITURE.
- SEE SHEET G-001 FOR GENERAL NOTES REGARDING DEMOLITION AND LIFE SAFETY.
- DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS. REFER TO "A" DRAWINGS FOR DIMENSIONS REQUIRED. CRITICAL DIMENSIONS ARE TO BE FIELD VERIFIED OR OBTAINED FROM THE ARCHITECT.
- NOTES ON ONE DRAWING SHALL APPLY TO ALL SIMILAR DRAWINGS OR DETAILS, UNLESS NOTED OTHERWISE.
- CAULK JOINTS WHERE INDICATED ON DRAWINGS AS WELL AS ALL JOINTS BETWEEN DISSIMILAR MATERIALS.
- AT ALL LOCATIONS WHERE PIPE, CONDUIT, DUCT ETC. IS REMOVED FROM EXISTING BLOCK, GC TO REMOVE DAMAGED BLOCK IN ITS ENTIRETY AND REPLACE WITH FULL SIZE NEW BLOCK.
- ALL THROUGH WALL HOLES IN AREAS OF WORK SHALL HAVE BLOCK REMOVED AND REPLACED WITH NEW BLOCK, SIZE TO MATCH EXISTING WALL AND PATTERN, PAINT TO MATCH SURROUNDING WALL CONDITION.
- IN AREAS WHERE WORK IS BEING PERFORMED ON THE FLOOR ABOVE, THE CONTRACTOR SHALL TAKE ALL MEASURES REQUIRED TO PROTECT ALL EQUIPMENT AND FINISHES THAT MAY BE AFFECTED DURING THIS WORK TO THE AREA BELOW.
- COORDINATE WORK WITH EC. PENETRATIONS THROUGH THE WALLS AND FLOORS ARE TO BE PERFORMED BY THE GENERAL CONTRACTOR.
- INFORMATION REPRESENTS EXISTING CONDITIONS BASED ON ORIGINAL DRAWINGS AND OBSERVED SITE CONDITIONS. CONTRACTOR TO VERIFY ALL DIMENSIONS, ALIGNMENTS AND EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.

KEY PLAN:



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HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

REV	DATE	DESCRIPTION

DRAWN BY NPB	PROJECT NUMBER 2020-117
CHECKED BY JAS	DATE REBID 09.10.2021

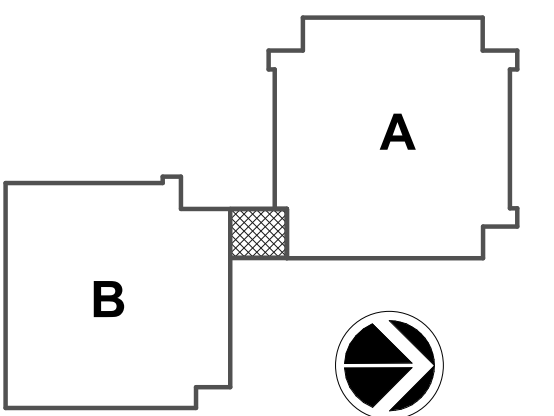
DEMOLITION PLAN - SECOND FLOOR
AREA B

SHEET NUMBER

AD-001



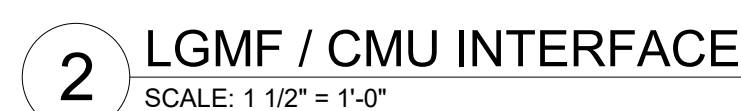
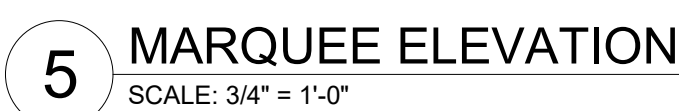
A-101

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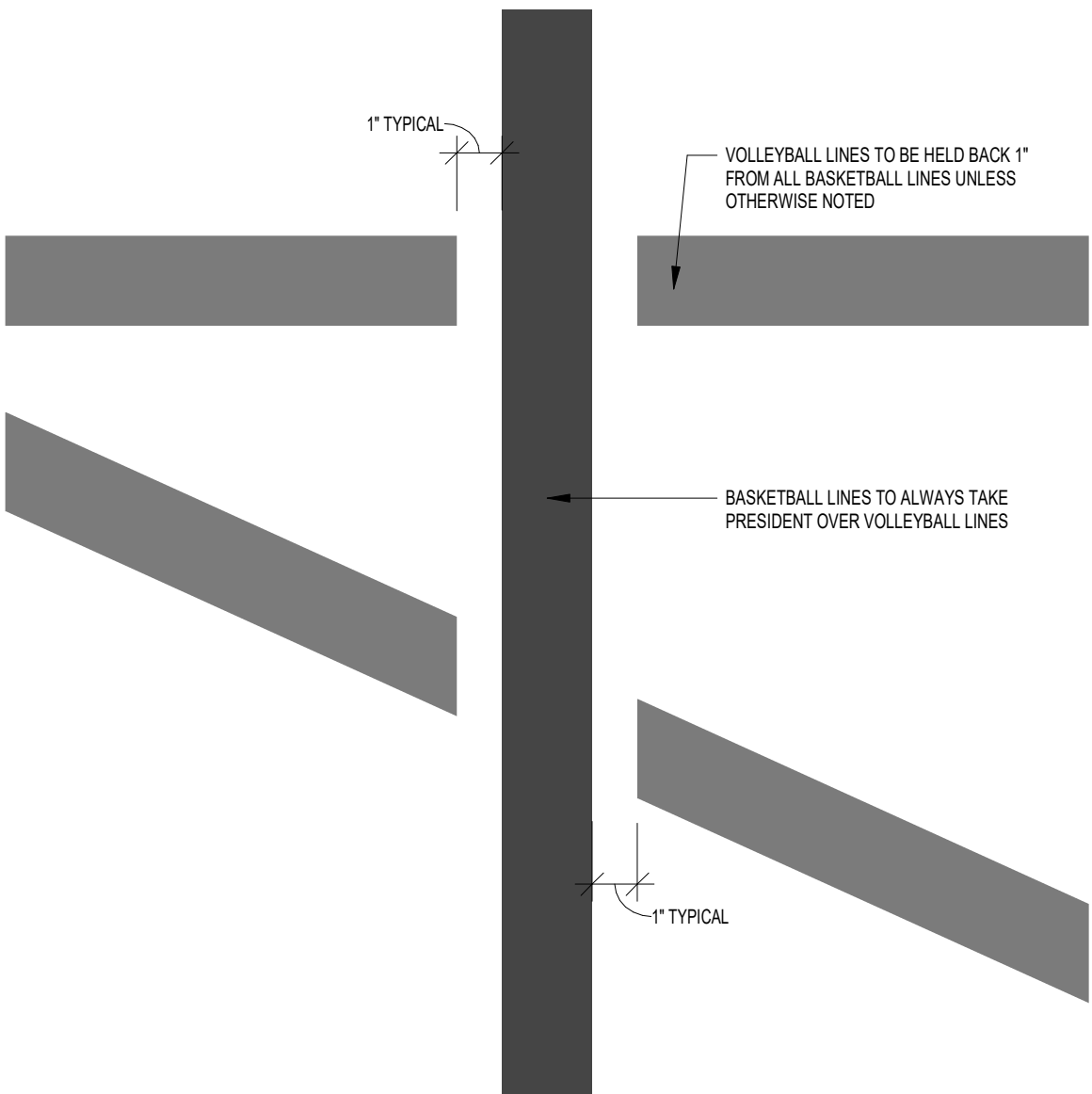
ENLARGED FLOOR PLANS AND
INTERIOR ELEVATIONS - NEW LIFT

A-201

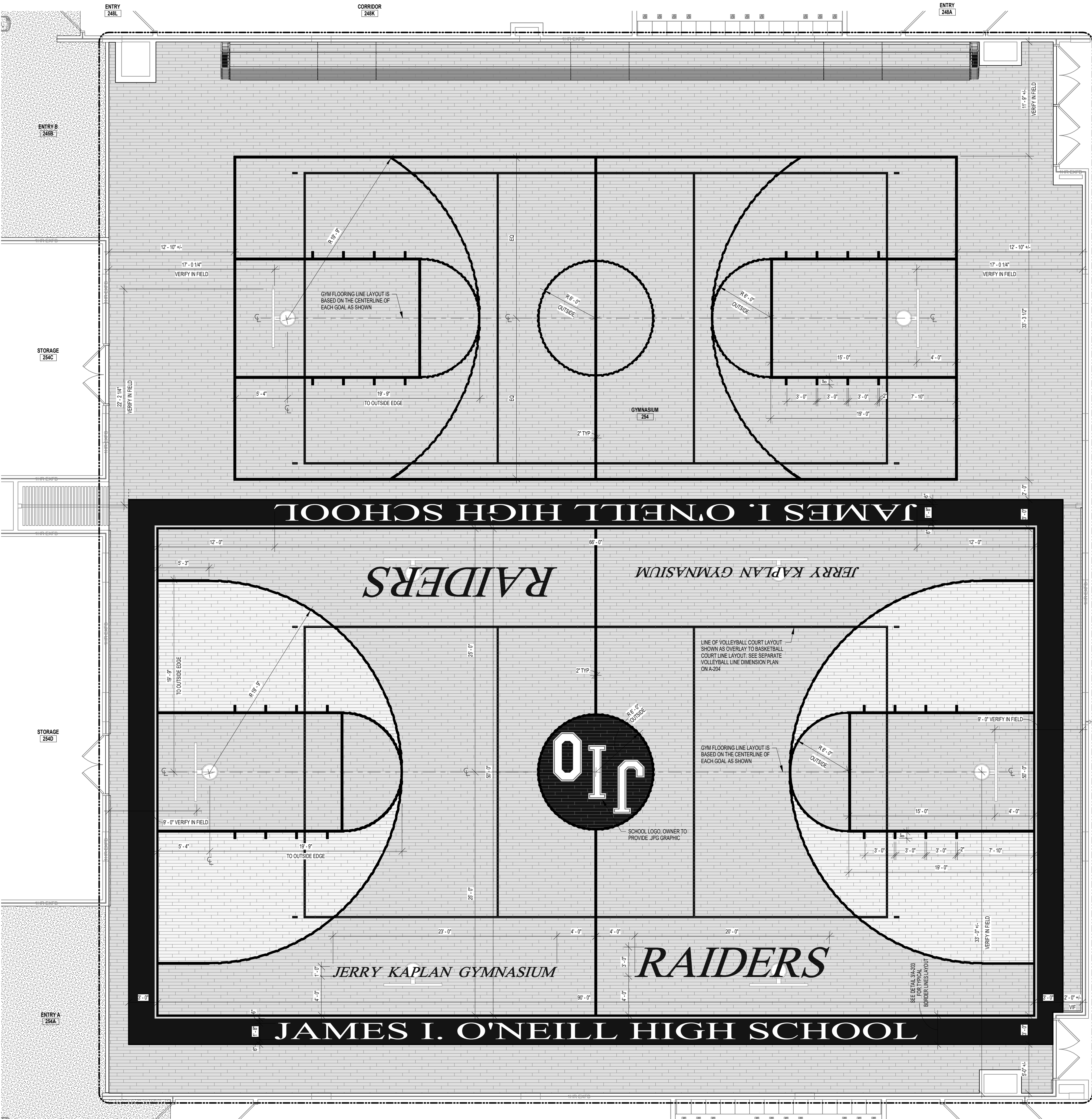
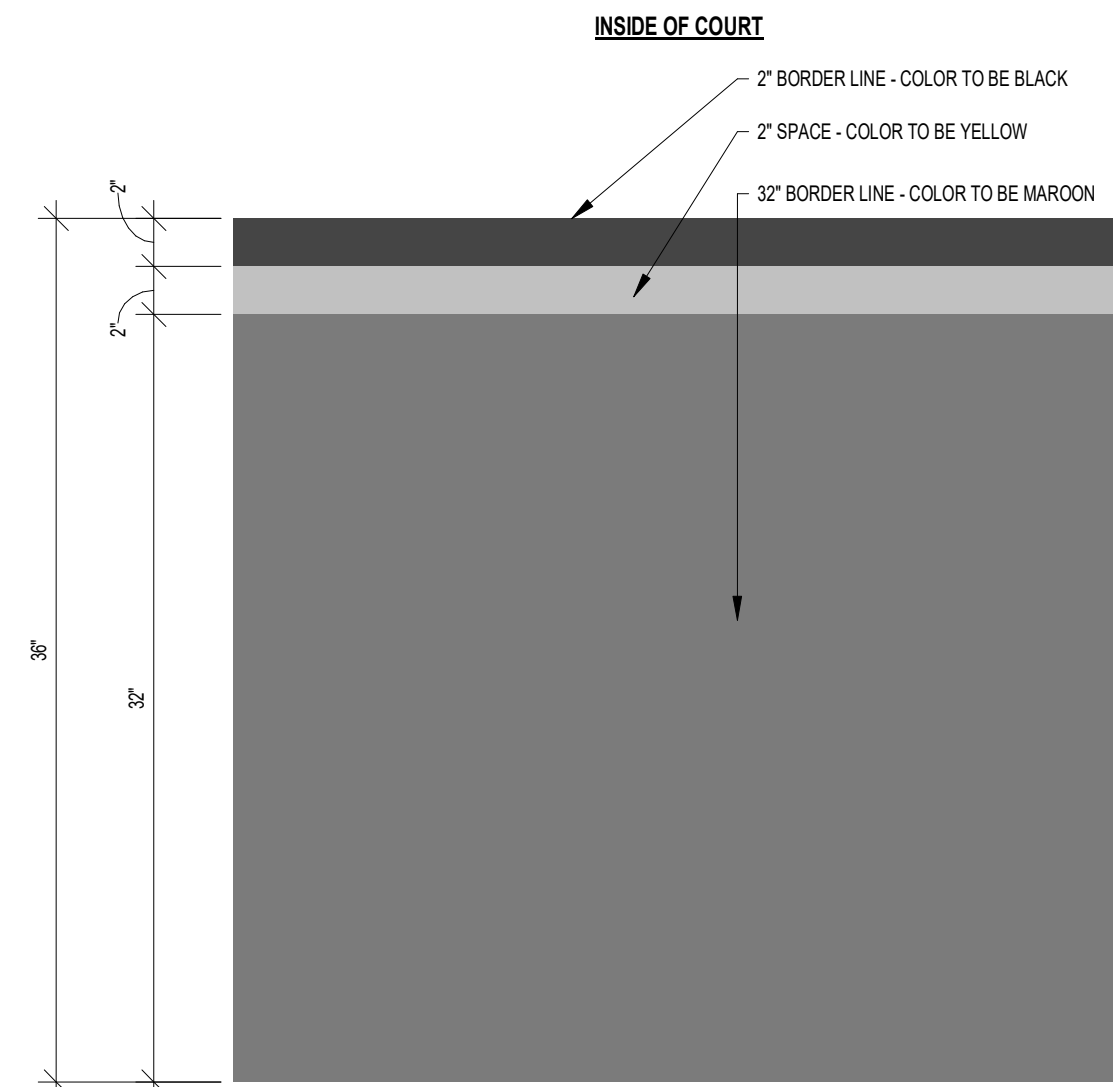


REV	DATE	DESCRIPTION
DRAWN BY NPB		PROJECT NUMBER 2020-117
CHECKED BY JAS		DATE REBID 09.10.2021
LIFT LANDING STEEL STRUCTURE AND MARQUEE SIGN DETAILS		
SHEET NUMBER		

A-202



3 GYM STRIPING INTERSECTION DETAIL
SCALE: 1 1/2" = 1'-0"



1 SECOND FLOOR PLAN - AREA B
SCALE: 3/16" = 1'-0"

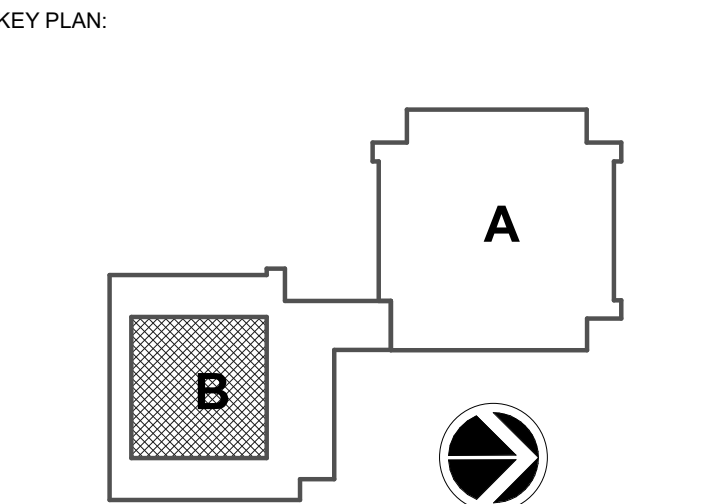
GYMNASIUM 254 LINE REQUIREMENTS

- BASKETBALL COURT:**
- * (1) REGULATION SIZE BASKETBALL COURT.
 - * (1) PARTIAL SIZE BASKETBALL COURT.
 - * ALL GAME LINES SHALL BE 2" IN WIDTH.
 - * COLOR TO BE SELECTED BY ARCHITECT DURING SHOP DRAWING PHASE.
 - * BASELINE TEXT TO READ "JAMES I. O'NEILL HIGH SCHOOL"
 - * TEXT SIZE - 1/8" OVERALL HEIGHT x 18'-0" OVERALL LENGTH
 - * TEXT FONT - TIMES NEW ROMAN (CONFIRM FONT STYLE WITH OWNER/ARCHITECT)
 - * SIDE COURT TEXT TO READ "JERRY KAPLAN GYMNASIUM"
 - * TEXT SIZE - 1/8" OVERALL HEIGHT x 23'-0" OVERALL LENGTH
 - * TEXT FONT - TIMES NEW ROMAN (CONFIRM FONT STYLE WITH OWNER/ARCHITECT)
 - * SIDE COURT TEXT TO READ "RAIDERS"
 - * TEXT SIZE - 3/4" OVERALL HEIGHT x 20'-0" OVERALL LENGTH
 - * TEXT FONT - TIMES NEW ROMAN (CONFIRM FONT STYLE WITH OWNER/ARCHITECT)

- GENERAL NOTES:**
- 1) GAME LINE KEY/CENTER/BORDER COLORS AND ADDITIONAL GAME LINES TO BE PROVIDED BY OWNER DURING SHOP DRAWING PHASE.
 - 2) SUBMIT GAME LINE SHOP DRAWINGS INDICATING LINES COORDINATED W/ EQUIPMENT LAYOUT AND REGULATION DIMENSIONS.
 - 3) ADDITIONAL LINES AND COLORS TO BE PROVIDED BY OWNER DURING SHOP DRAWING PHASE.
 - 4) THE FLOOR LOGO IN THE CENTER OF THE COURT SHALL NOT IMPEDE THE VISIBILITY OF THE DIVISION LINE OR CENTER CIRCLE.

GYMNASIUM LINE COLOR LEGEND

- VOLEYBALL LINES - 2" MAROON**
- BASKETBALL LINES**
- GENERAL GAMES LINES - 2" BLACK
 - INNER SCHOOL BORDER TRIM - 2" YELLOW
 - OUTER SCHOOL BORDER - 32" MAROON



SED CONTROL NO. 44-09-01-04-0-008-017

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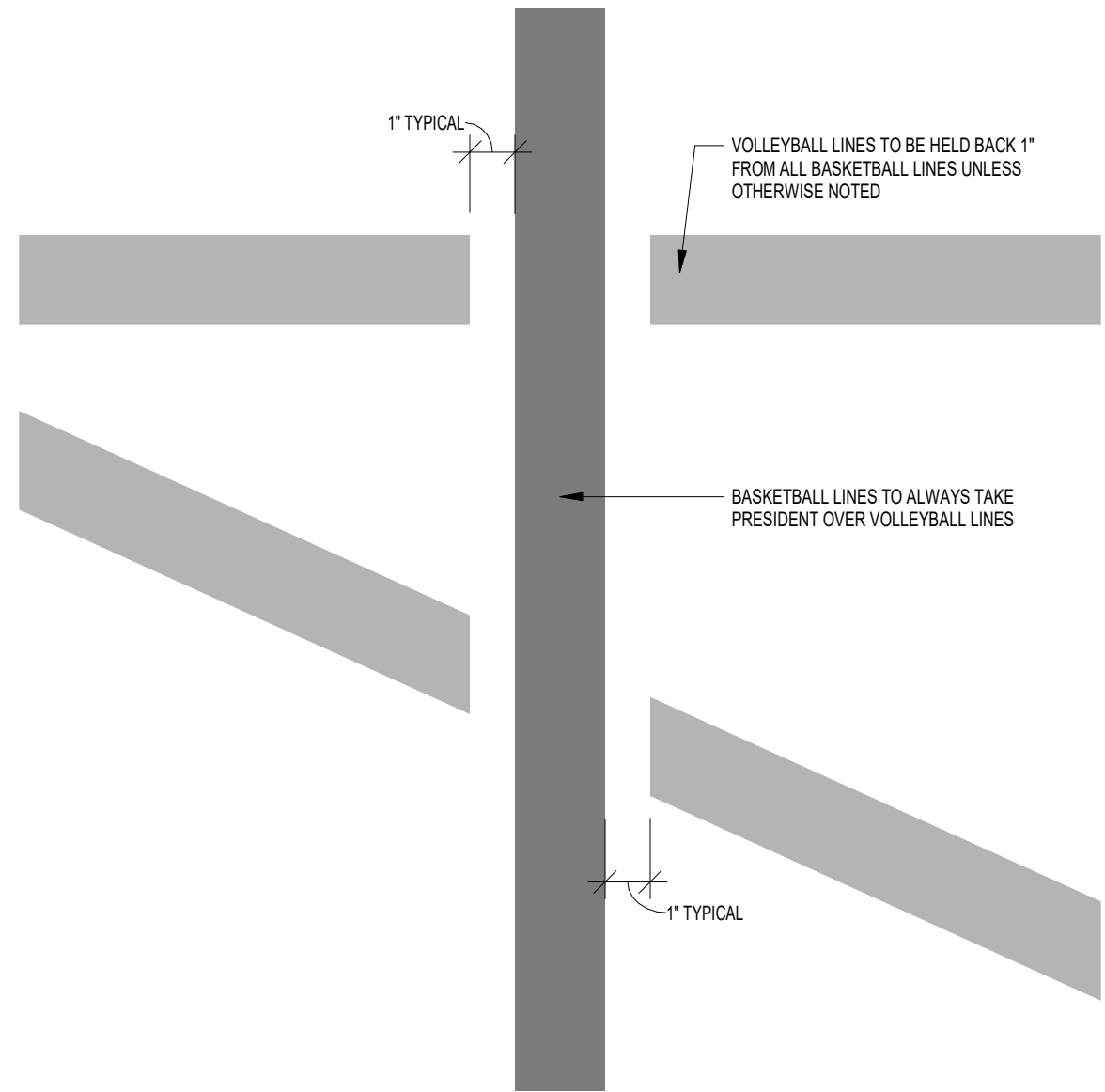
REV	DATE	DESCRIPTION
DRAWN BY	NFB	PROJECT NUMBER
CHECKED BY	JAS	2020-117
		DATE
		REBID 09.10.2021
ENLARGED PLANS - GYMNASIUM		
BASKETBALL STRIPING PLAN		
SHEET NUMBER		

A-203

9/8/2021 10:43:30 AM

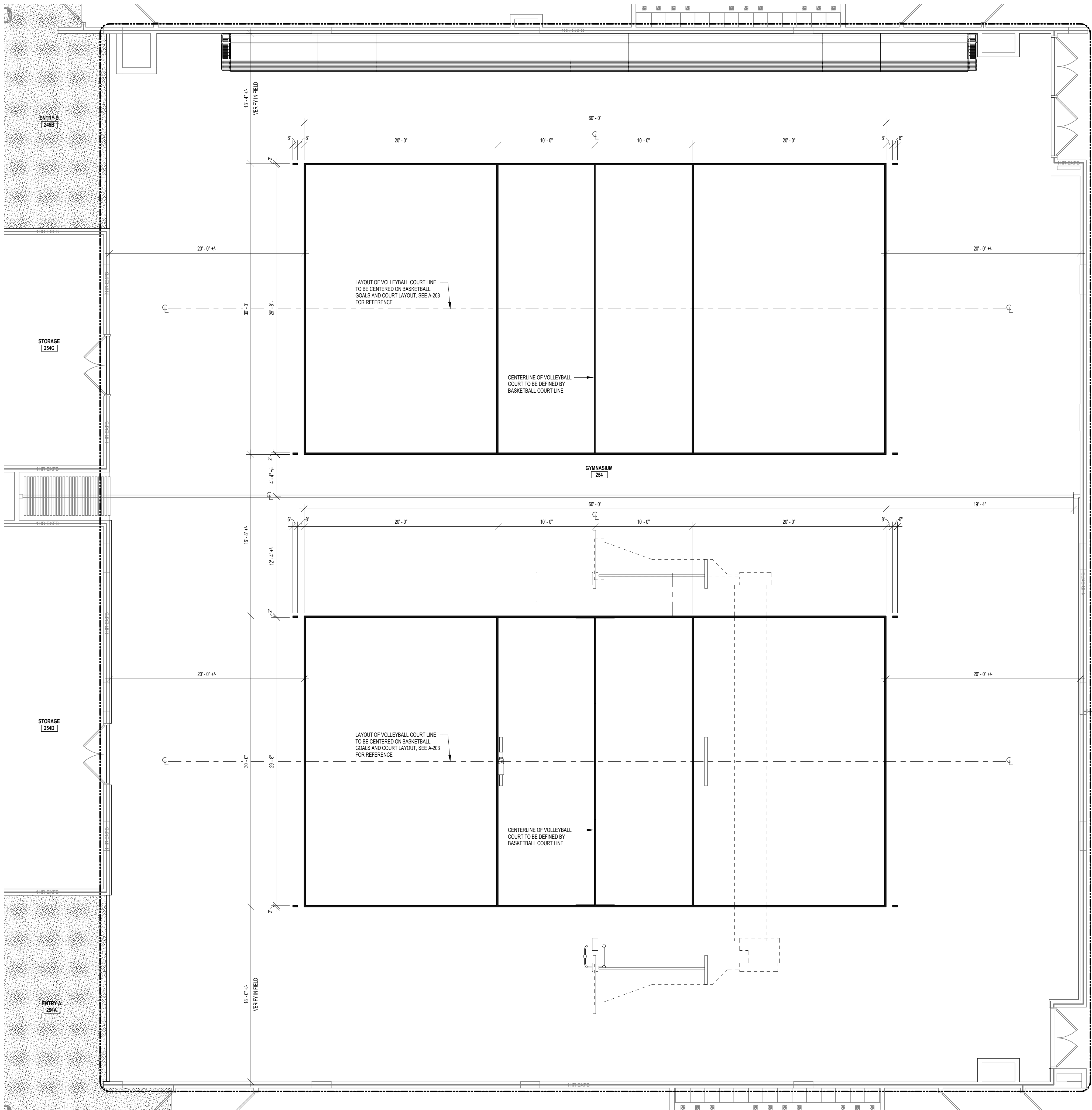
2 GYM STRIPING INTERSECTION DETAIL

SCALE: 3" = 1'-0"



1 SECOND FLOOR PLAN - AREA B

SCALE: 3/16" = 1'-0"



GYMNASIUM 254 LINE REQUIREMENTS

MAIN VOLLEYBALL COURT:

- * (2) REGULATION VOLLEYBALL COURTS.
- * GAME LINES SHALL BE 2" IN WIDTH.
- * COLOR TO BE SELECTED BY ARCHITECT DURING SHOP DRAWING PHASE.

GENERAL NOTES:

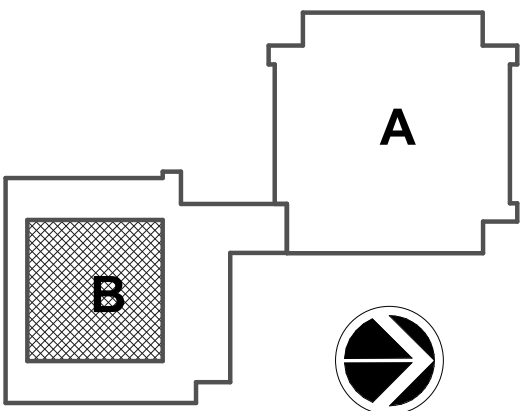
- 1) GAME LINE KEY/CENTER/BORDER COLORS AND ADDITIONAL GAME LINES TO BE PROVIDED BY OWNER DURING SHOP DRAWING PHASE.
- 2) SUBMIT GAME LINE SHOP DRAWINGS INDICATING LINES COORDINATED W/ EQUIPMENT LAYOUT AND REGULATION DIMENSIONS.
- 3) CENTER VOLLEYBALL COURTS ON REGULATION AND PARTIAL BASKETBALL COURTS. VERIFY IN FIELD.

GYMNASIUM LINE COLOR LEGEND

VOLLEYBALL LINES - 2" MAROON

- BASKETBALL LINES
- GENERAL GAMES LINES - 2" BLACK
- INNER SCHOOL BORDER TRIM - 2" YELLOW
- OUTER SCHOOL BORDER - 32" MAROON

KEY PLAN:



SED CONTROL NO. 44-09-01-04-0-008-017

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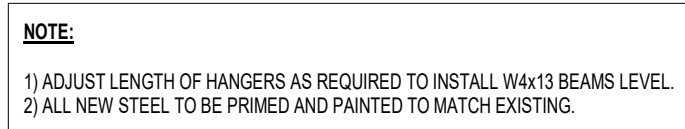
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REV	DATE	DESCRIPTION
DRAWN BY	NFB	PROJECT NUMBER
CHECKED BY	JAS	DATE
		REBID 09.10.2021
ENLARGED PLANS - GYMNASIUM		VOLLEYBALL STRIPING PLAN
SHEET NUMBER		

A-204

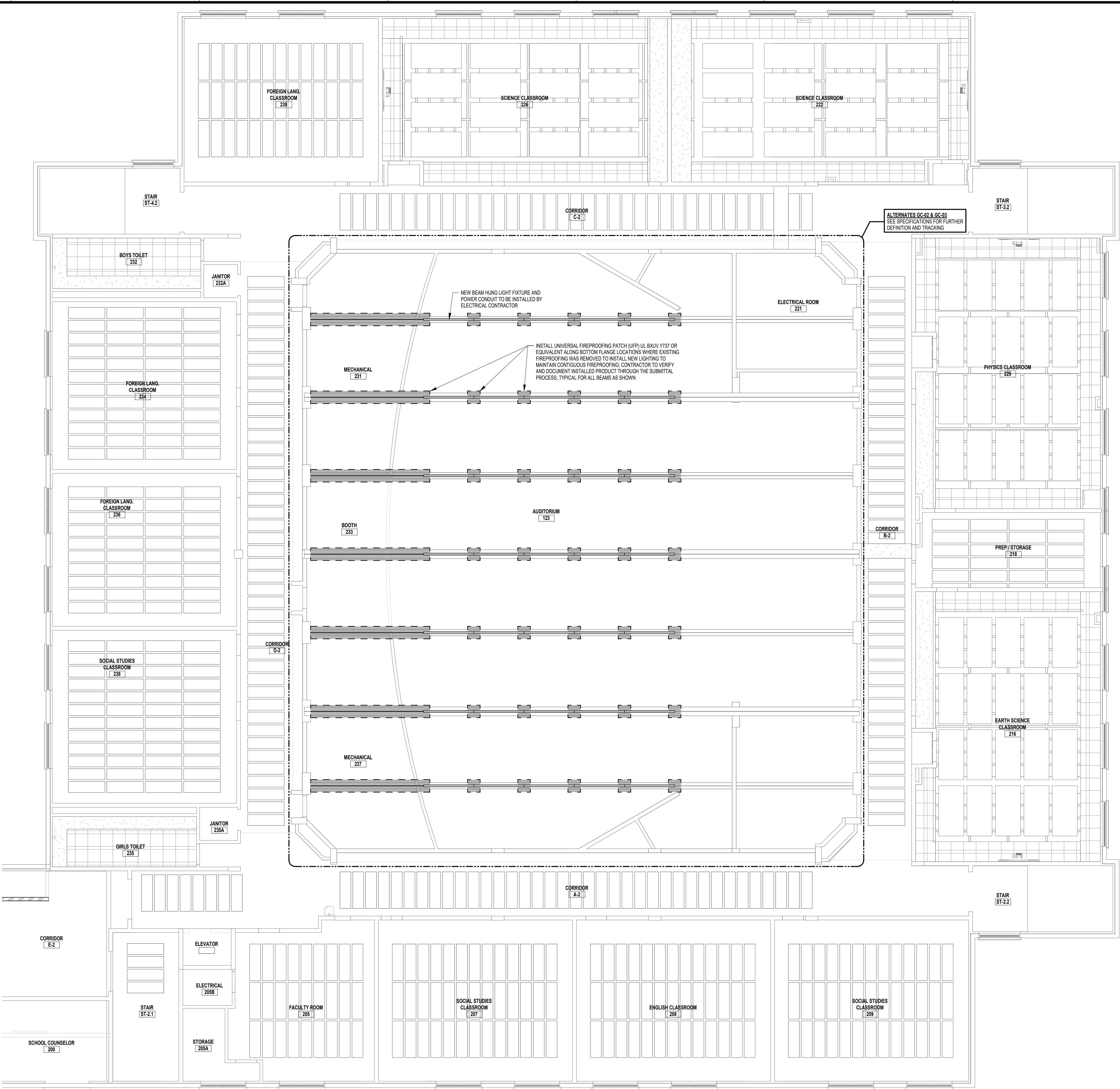


NOTE:

1) ADJUST LENGTH OF HANGERS AS REQUIRED TO INSTALL W4x13 BEAMS LEVEL.
2) ALL NEW STEEL TO BE PRIMED AND PAINTED TO MATCH EXISTING.

1 REFLECTED CEILING PLAN - SECOND FLOOR AREA B
SCALE: 1/8" = 1'-0"

A-301

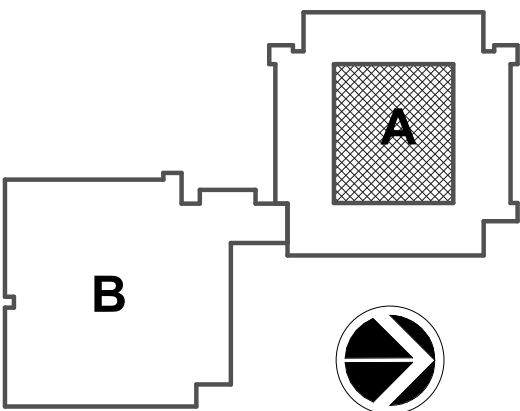


SCALE: 1/8" = 1'-0"

GENERAL CEILING NOTES:

- | | |
|----|--|
| | CONTRACTOR TO PREPARE AND PAINT FINAL PREPARED FIREPROOFING TO MATCH EXISTING BEAM IN COLOR AND TEXTURE. PAINT PREPARATION TO BE CONFIRMED AS COMPATIBLE WITH EXISTING AND NEW FIREPROOFING MATERIALS. |
| B. | ALL CONDUIT, PIPING TO BE INSTALLED PRIOR TO PAINTING AND PAINTED TO MATCH EXPOSED STRUCTURE. |
| C. | EXISTING CONDUIT CONNECTION POINTS ALONG CENTRAL BEAMS TO HAVE SAME FIREPROOFING MATERIAL INSTALLED AND FINISHED AS IS LOCATION TO INSTALL NEW LIGHTING SYSTEM. |
| D. | COORDINATE WITH LIGHTING CONTRACTOR FOR FINAL LOCATION OF ATTACHMENT POINTS FOR BEAM MOUNTED LIGHTING. |
| E. | FIXTURES SHOWN ON THE REFLECTED CEILING PLANS AREA SHOWN FOR DESIGN INTENT PURPOSES ONLY. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES, ELECTRICAL WIRING, QUANTITIES, ETC. |

KEY PLAN:



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REV	DATE	DESCRIPTION
DRAWN BY NPB		PROJECT NUMBER 2020-117
CHECKED BY JAS		DATE REBID 09.10.2021
REFLECTED CEILING PLAN - AUDITORIUM 123		
SHEET NUMBER		

A-302

102"

96" TO BOTTOM

EM BATTERY LIGHT

EXIT

PROVIDE PENDANT WHERE CEILING HUNG OR STRUCTURE EXCEEDS 102" AFF.

EXIT SIGN

60"

SAFETY SWITCH OR STARTER. HEIGHT NOTED IS MAXIMUM HEIGHT TO HIGHEST OPERABLE HANDLE. UNO.

54"

WALL TELEPHONES INDICATED WITH "1"

48" TO TOP

SWITCHES

18" TO BOTTOM

TELEPHONE/DATA OUTLETS

DUPLEX RECEPTACLES OR DOUBLE DUPLEX RECEPTACLES

FINISHED FLOOR

GENERAL DETAIL NOTES:

- ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR. WHERE IN MASONRY CONSTRUCTION, MOUNTING HEIGHTS ARE FOR REFERENCE. MOUNT DEVICES TO NEAREST BLOCK COURSE LEVEL, SO AS TO NOTCH ONE MASONRY UNIT. COORDINATE WITH MASONRY CONTRACTOR.
- DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE. COORDINATE IN FIELD.
- ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED ON THIS DETAIL UNLESS NOTED OTHERWISE.

VISUAL APPLIANCE MOUNTING HEIGHT CONSIDERATIONS

A. FOR CEILING MOUNTING HEIGHTS: THE VISUAL LENS MOUNTING HEIGHT SHALL BE WITHIN 6" OF THE CEILING.

B. 177CD STROBES, USED IN SLEEPING ROOMS, CAN BE WITHIN THE 24" MINIMUM DISTANCE FROM THE CEILING. THE HIGHER INTENSITY IS TO COMPENSATE FOR A POSSIBLE SMOKE LAYER.

24" TO TOP OF LENS
MIN DISTANCE IN SLEEPING ROOMS FOR 110CD STROBES WITHIN 16" OF THE PILLOW

3" (MIN)

CEILING MOUNTED SMOKE / HEAT DETECTOR

4"

12" (MAX)

4"

ACCEPTED HERE

NEVER HERE

WALL MOUNTED SMOKE/HEAT DETECTOR

96" MAX (NFPA)
ABOVE FINISHED FLOOR

80" (ADA)
80" MIN (NFPA)

REF. 80" MIN (IBC)

REF. 96" MAX (IBC)

ABOVE FINISHED FLOOR

MANUAL STATION

MAGNETIC DOOR HOLDER

TO EXIT DOOR 5" (MAX)

DOOR WIDTH LESS 3"

6"

48" MAX (ADA)
42" MIN/48" MAX (NFPA)

DOOR

FINISHED WALL

SIDE WALL

FINISHED FLOOR

NOTE: REFER TO THE PROPER DEVICE INSTALLATION INSTRUCTIONS FOR BACKBOX MOUNTING HEIGHT.

NOTE: MEASUREMENTS SHOWN ARE TO THE CLOSEST EDGE OF THE DETECTOR.

A. CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPREHENSIVE AND MUST BE CONSIDERED TO DETERMINE THE FULL SCOPE OF WORK. REFERENCES TO CODES, SPECIFICATIONS, AND STANDARDS CALLED OUT IN THE CONTRACTING SECTIONS AND ON THE DRAWINGS MEANS, THE LATEST EDITION, AMENDMENT, AND REVISION OF SUCH REFERENCED STANDARD OR CODE IN EFFECT ON THE DATE OF THESE CONTRACT DOCUMENTS.

B. CONTRACT DRAWINGS ARE IN PART DIAGRAMMATIC AND ARE INTENDED TO CONVEY THE SCOPE OF THE WORK AND INDICATE THE GENERAL ARRANGEMENT OF THE EQUIPMENT. FOLLOW THESE DRAWINGS IN LAYING OUT THE WORK. CONSULT ALL RELATED DRAWINGS AND COORDINATE WITH ALL TRADES TO BECOME FAMILIAR WITH ALL CONDITIONS AFFECTING THE WORK AND TO VERIFY SPACES IN WHICH THE WORK WILL BE INSTALLED. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE, OPERATIONAL, AND SATISFACTORY INSTALLATION REPAIR FOR CONTINUOUS USE. NOT ALL DEVICES TERMINATIONS, JUNCTION BOXES, AND WIRING HAVE BEEN SHOWN FOR DRAWING CLARITY.

C. REASONABLE CHARGES REQUIRED BY JOB CONDITIONS (INCLUDING OFFSETTING OF CONDUITS AROUND BEAMS, ETC.) SHALL BE MADE. AFTER OBTAINING THE ENGINEER'S APPROVAL, AT NO ADDITIONAL COST TO THE OWNER, OBTAIN WRITTEN AUTHORIZATION FROM PROJECT STRUCTURAL ENGINEER PRIOR TO PENETRATING OR CUTTING ANY STRUCTURAL COMPONENTS.

D. COORDINATE ELECTRICAL WORK, PHASING AND POWER OUTAGES WITH OWNER AND OTHER TRADES PRIOR TO THE START OF CONSTRUCTION. IT IS A REQUIREMENT OF THE PROJECT THAT THE CONSTRUCTION WORK BE COORDINATED WITH THE PROJECT SCHEDULE TO THE NORMAL OPERATION OF THE FACILITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO THOROUGHLY REVIEW THE GENERAL CONDITIONS AND ALL BID DOCUMENTS FOR THE PHASING REQUIREMENTS. CONTRACTOR SHALL TEST ALL ELECTRICAL SYSTEMS TO BE MODIFIED TO ESTABLISH A BASE LINE OPERATING CONDITIONS.

E. COORDINATE EXISTING LOCATION OF ALL CONDUIT ROUTES, EQUIPMENT, AND DEVICES WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION. COORDINATE ARRANGEMENT, MOUNTING, AND SUPPORT OF ELECTRICAL CONDUITS TO AVOID MAXIMUM POSSIBLE HEADROOM IN THE CEILING CAVITIES. MINIMUM CONDUIT SIZE SHALL BE 1" FOR TELECOMMUNICATIONS AND 3/4" FOR ALL OTHER CIRCUITS. PROVIDE NYLON PLUMB STRUNG IN ALL EMPTY SPACE CONDUITS. PAINT ALL EXPOSED CONDUITS IN FINISHED SPACES TO MATCH SURROUNDING FINISH CONDITIONS. UNDO.

F. ALL NEW DEVICES TO BE INSTALLED IN SURFACE RACEWAY AND BOXES ON EXISTING NON-FISHABLE CONDUIT, AND TO BE RECESSED IN NEW OR FISHABLE EXISTING CONSTRUCTION. WHEREVER POSSIBLE REUSE EXISTING CONDUIT, RACEWAY, AND BACK BOXES IF IN GOOD CONDITION. EXTEND / INSTALL NEW CONDUIT / RACEWAY AS REQUIRED FOR PROPER MOUNTING OF DEVICES. CONCEAL ABOVE CEILINGS OR WITHIN WALLS WHERE POSSIBLE.

G. IN EXISTING CONSTRUCTION, ROUTE SURFACE RACEWAY AS FOLLOWS: LOCATE VERTICAL RUNS IN CORNERS OR ALONG MOLDSINGS (RUN TO ABOVE CEILING WHERE NEW CEILING IS BEING INSTALLED). HORIZONTAL RUNS SHALL NOT EXCEED 20' 0" IN LENGTH WHEREVER POSSIBLE.

H. PROVIDE THROUGH-PENETRATION AND MEMBRANE PENETRATION SYSTEMS FOR ALL WORK PENETRATING VERTICAL AND HORIZONTAL FIRE-RATED AND SMOKE-RATED ASSEMBLIES. REFERENCE CODE COMPLIANCE DRAWINGS FOR FIRE-RATED WALL LOCATIONS. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

I. ALL EQUIPMENT OR MATERIALS SHALL BE NEW AND FOR ANY GIVEN SYSTEM BE A PRODUCT OF THE SAME MANUFACTURER. UNDO. MAINTAIN SERVICE CLEARANCES OF ALL EQUIPMENT. PER NEC ARTICLE 110.

J. IN AREAS RECEIVING NEW CEILINGS, ALL CEILING MOUNTED ITEMS (DETECTORS, SPEAKERS, ETC.) ARE TO BE CENTERED WITHIN THE PATTERN OF THE CEILING PANEL. A 2X4 PANEL SCORED TO SIMULATE A 2X2 PATTERN SHALL HAVE ITEMS CENTERED IN THE 2X2 PORTION.

K. CONTRACTOR SHALL TEMPORARILY DISMANTLE AND REMOVE EXISTING CEILINGS AS REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK. PROPERLY STORE CEILING COMPONENTS FOR REINSTALLATION. REINSTALL CEILINGS UPON COMPLETION OF WORK.

L. ALL CIRCUIT BREAKERS INSTALLED IN EXISTING POWER PANEL, SHALL BE LISTED / LABELED FOR USE WITHIN EXISTING PANEL, AND SHALL MATCH EXISTING PANEL CHARACTERISTICS AND KVAIC RATINGS.

M. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED TO ACCOMMODATE THE WORK OF THIS CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR REPLACING ANY EXISTING TO REMAIN SURFACES OR MATERIALS DAMAGED OR REMOVED DURING THE COURSE OF CONSTRUCTION. CONTRACTOR SHALL PROTECT EXISTING TO REMAIN BUILDING FINISHINGS AND DEVICES FROM DAMAGE AND PATCH/REPAIR ALL DAMAGES TO FINISHED SURFACES DISCOVERED UPON OR AFTER REMOVAL OF DEVICES AND FIXTURES. ALL PATCHING SHALL MATCH EXISTING COMPONENTS AND FINISHES, AND IS SUBJECT TO OWNER'S APPROVAL.

N. CONTRACTOR SHALL FIELD VERIFY AND DOCUMENT ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCEMENT OF WORK OR SHOP FABRICATION. CONTRACTOR SHALL REPORT ALL DISCREPANCIES TO ENGINEER IN WRITING. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY DISCOVERED BY EXPERIENCED OBSERVERS. ALL SYSTEMS TO BE RESTORED TO PRE CONSTRUCTION CONDITIONS (OR BETTER).

O. CONTRACTOR TO PROVIDE NECESSARY SUPPORT FRAMING, STIFFENERS, BRACING, AND HANGERS WHERE SHOWN OR NOT TO ENSURE A COMPLETE AND DURABLE SYSTEM. SUPPORT FRAMING CONNECTIONS SHALL BE WELDED UNLESS SPECIFICALLY SHOWN OTHERWISE. ACTUAL SUPPORTS MAY VARY FROM THOSE SHOWN IN DETAILS AND AS REQUIRED FOR EQUIPMENT TO BE FURNISHED OR FOR EXISTING FIELD CONDITIONS.

P. WHERE DEVICES AND EQUIPMENT ARE TO BE REMOVED, REMOVE CIRCUITS BACK TO SOURCE UNLESS OTHERWISE REQUIRED TO MAINTAIN EXISTING EQUIPMENT SCHEDULED TO REMAIN. CONTRACTOR TO MAINTAIN, RELOCATE AND RESTORE, IF INTERRUPTED BY REMOVALS OR IN PATH OF NEW CONSTRUCTION, ANY AND ALL CIRCUITS, CONDUITS OR FEEDERS PASSING THROUGH AND SERVING UNDISTURBED AREAS (SHOWN OR NOT SHOWN) ANY DEVICE INTERFERING WITH DEMOLITION WORK NOT SHOWN ON THESE DRAWINGS SHALL NOT BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE OR THE ELECTRICAL ENGINEER.

Q. EXISTING FIRE ALARM SYSTEM SHALL BE KEPT OPERATIONAL DURING CONSTRUCTION. CONTRACTOR TO PROTECT ALL FIRE ALARM DETECTION DEVICES IN THE PROXIMITY OF ON-GOING CONSTRUCTION ACTIVITIES. REMOVE MESSING (ON COMPLETION OF SCHEDULED WORK). CLEAN DETECTION DEVICES UPON SUBSTANTIAL COMPLETION. CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM FIRE DEPARTMENT AUTHORITY FOR SYSTEM SHUT DOWNS.

AMP	AMPERES	MCA	MINIMUM CIRCUIT AMPACITY
ACLS	ABOVE CEILING	MCB	MAIN CIRCUIT BREAKER
ADA	AMERICANS WITH DISABILITIES ACT	MCC	MOTOR CONTROL CENTER
AF, AFF	ABOVE FINISH FLOOR	MFR	MANUFACTURER
AFG	ABOVE FINISH GRADE	M.L.O	MAN LUGS ONLY
AFJ	AUTOMATIC FIRE JURISDICTION	MOP	MAXIMUM OVER-CURRENT PROTECTION
AHU	AIR HANDLING UNIT	NC	NORMALLY CLOSED
AIC	AMPERE INTERRUPTING CAPACITY	NEC	NATIONAL ELECTRIC CODE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BFG	BELOW FINISH GRADE	NF	NON-FUSED
BLDG	BUILDING	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BMS	BUILDING MANAGEMENT SYSTEM	NC	NOT IN CONTRACT
C	CONDUIT	NO	NORMALLY OPEN OR NUMBER
CB	CIRCUIT BREAKER	NTS	NOT TO SCALE
CLF	CURRENT LIMITING FUSE	P	POLE
CLG	CEILING	PNL	PANEL
CU	COPPER	POE	POWER OVER ETHERNET
DWG	DRAWING	PVC	POLYVINYL CHLORIDE
ENC	ELECTRICAL CONTAINER	POWER	POWER
EX	EXHAUST FAN	RGS	RIGID GALVANIZED STEEL
EM	EMERGENCY	ST	SWITCH TRIP
ENT	ELECTRICAL METALLIC TUBING	SYM	SYMMETRICAL
ERGB	ELECTRICAL ROOM GROUND BAR	TEL	TELEPHONE
EXP	EXPLOSION PROOF	TGBM	TELECOMMUNICATIONS MAIN GROUND BAR
EXTR	EXTERIOR	TGB	TELECOMMUNICATIONS GROUND BAR
ENC	ELECTRIC WATER COOLER	TIDF, IDF	TELECOMMUNICATIONS INTERMEDIATE DISTRIBUTION FRAME
F	FUSE	TIDF	TELECOMMUNICATIONS MAIN DISTRIBUTION FRAM
FA	FIRE ALARM	TRP	TYPICAL
FIA	FULL LOAD AMPERES	UG	UNDERGROUND
FT	FEET	UL	UNDERWRITERS LABORATORIES
GFI, GFCI	GROUND-FAULT CIRCUIT INTERRUPTER	UNO	UNLESS NOTED OTHERWISE
QND, G	GROUND OR GROUNDING	V	VOLT
HDA	HAND, OFF, AUTOMATIC SWITCH	VF	VERIFY IN FIELD
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS	W	WIRE, WALL, WATTS
KMIL	THOUSAND CIRCULAR MILS	WG	WIRE GUARD
KVA	KILOVOLT-AMPERES	XFMR	TRANSFORMER
KW	KILOWATTS	Δ	DELTA
LTG	LIGHTING	WVE	WAVE
LS	LEXAN SHEILD	Ø, PH	PHASE

	MANUAL PULL STATION
	AUDIO / VISUAL SIGNAL DEVICE #J# INDICATES STROBE SIGNAL DEVICE
	VISUAL ONLY SIGNAL DEVICE #J# INDICATES STROBE SIGNAL DEVICE
	VOICE EVAC AUDIO / VISUAL SIGNAL DEVICE, #J# INDICATES STROBE INTENSITY
	VOICE EVAC AUDIO ONLY SIGNAL DEVICE
	VOICE EVAC AUDIO / VISUAL SIGNAL DEVICE, #J# INDICATES STROBE INTENSITY
	VOICE EVAC AUDIO ONLY SIGNAL DEVICE
	SMOKE DETECTOR
	SMOKE DETECTOR W/ AUXILIARY CONTACTS
	CARBON MONOXIDE DETECTOR
	RATE OF RISE HEAT DETECTOR
	FIXED TEMPERATURE HEAT DETECTOR
	IN-DUCT MOUNTED SMOKE DETECTOR "R" DENOTES MOUNTED ON RETURN SIDE "S" DENOTES MOUNTED ON SUPPLY SIDE
	SPECIALTY DETECTOR "S" DENOTES SPARK DETECTOR "V" DENOTES VAPOR DETECTOR
	REMOTE TEST SWITCH / RESET TEST SWITCH
	MAGNETIC DOOR HOLDER
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	ANSUL FIRE SUPPRESSION SYSTEM
	BEAM TYPE SMOKE DETECTOR "R" DENOTES RECEIVER UNIT "T" DENOTES TRANSMITTER UNIT
	TAMPER SWITCH
	FLOW SWITCH
	FIRE SMOKE DAMPER EQUIPMENT CONNECTION

	PANEL, EXISTING TO REMAIN
	PANEL, TO BE REPLACED WITH NEW
	PANEL, NEW
	JUNCTION BOX
	PULL BOX OR HAND HOLE
	MECHANICAL EQUIPMENT CONNECTION SYMBOL REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE
	MAGNETIC MOTOR STARTER
	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT
	600 V HEAVY DUTY NON-FUSED DISCONNECT SWITCH "AF" - INDICATES FRAME SIZE "P" - INDICATED # OF POLES
	600 V HEAVY DUTY FUSED DISCONNECT SWITCH "AF" - INDICATES FRAME SIZE "AT" - INDICATES FUSED TRIP SIZE "P" - INDICATED # OF POLES
	MOTOR RATED SNAP SWITCH WITH OVERLOADS
	AUTOMATIC TRANSFER SWITCH
	VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT SWITCH
	SURGE PROTECTION DEVICE
	MAIN GROUNDING BUS BAR
	HAND DRYER / HAIR DRYER
	DUAL CHANNEL TELECOMMUNICATIONS / POWER POLE
	PUSH BUTTON CONTROL SWITCH, (TYPE AS NOTED)
	EMERGENCY OFF BUTTON (TYPE AS NOTED)
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	HARD EQUIPMENT CONNECTION
	POWER SUPPLY (TYPE AS NOTED)
	CONTROL STATION (TYPE AS NOTED)
	CORD REEL, # INDICATES FIXTURE DESIGNATION

REX	REQUEST TO EXIT DEVICE
SE	SECURITY MOTION SENSOR
ACP	ACCESS CONTROL PANEL
DS	ELECTRIC DOOR STRIKE
DC	DOOR STATUS SWITCH (CONTACTOR)
PR	PROXIMITY READER
CR	CARD READER
KP	KEY PAD
DR	DOOR RELEASE BUTTON
PTD	POWER TRANSFER DEVICE (HINGE)

PTZ	CAMERA, PTZ = PAN, TILT, ZOOM
VCR	TIME LAPSE VIDEO RECORDER
DVR	DIGITAL VIDEO RECORDER
MULT	VIDEO MULTIPLEXOR

	LP2A-1	SINGLE PHASE HOMERUN TO PANEL "LP2A", BREAKER #1
	LP2A-1,3,5	THREE PHASE HOMERUN TO PANEL "LP2A", BREAKERS #1,3,5

-----	DASHED AND/OR HATCHED INDICATES EXISTING EQUIPMENT TO BE REMOVED
_____	SOLID LIGHT INDICATES EXISTING TO REMAIN EQUIPMENT
—————	HEAVY & SOLID INDICATES EQUIPMENT TO BE PROVIDED NEW
RE	EXISTING EQUIPMENT TO BE REMOVED AND SECURED FOR REUSE. DISCONNECT AND REMOVE. REINSTALL AT LOCATION SHOWN AND RECONNECT ITEM AS REQUIRED.
R	EXISTING EQUIPMENT TO BE REMOVED AND REPLACED WITH NEW.

	<p>LIGHT FIXTURES (LUMINAIRES) UPPERCASE TEXT # DENOTES TYPE LOWERCASE LETTER INDICATES SWITCH</p>
	<p>LIGHT FIXTURES (LUMINAIRES) UPPERCASE TEXT # DENOTES TYPE LOWERCASE LETTER INDICATES SWITCH</p>
	<p>EMERGENCY BATTERY UNIT UPPERCASE TEXT # DENOTES TYPE</p>
	<p>REMOTE EMERGENCY LIGHT UPPERCASE TEXT # DENOTES TYPE</p>
	<p>CEILING MOUNTED EXT LIGHT FIXTURE, SINGLE FACED, UPPERCASE TEXT # DENOTES TYPE</p>
	<p>WALL MOUNTED EXT LIGHT FIXTURE, DOUBLE FACED, UPPERCASE TEXT # DENOTES TYPE</p>
	<p>COMBINED EMERGENCY BATTERY UNIT AND EXT LIGHT FIXTURE UPPERCASE TEXT # DENOTES TYPE</p>
	<p>AREA OF REFUGE FIXTURE, UPPERCASE TEXT DENOTES TYPE</p>
	<p>MULTI-POLE CONTACTOR, QUANTITY, OF POLES AS INDICATED ON PLANS</p>
	<p>TIME CLOCK, TYPE AS SPECIFIED</p>

	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	ARC FAULT RESISTANT RECEPTACLE
	EXPLOSION RESISTANT RECEPTACLE
	GFI RECEPTACLE WITH INTEGRAL USB PORTS
	WEATHER PROOF RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE # DENOTES NEMA CONFIGURATION
	FLOOR BOX, TYPE NOTED AND WITH DEVICES INDICATED
	VACANCY SENSOR (MANUAL-ON, AUTOMATIC OFF)
	OCCUPANCY SENSOR (AUTOMATIC-ON, AUTOMATIC OFF)
	OCCUPANCY SENSOR (DUAL TECHNOLOGY)
	DAYLIGHT SENSOR (OPEN LOOP)
	PHOTOCELL
	LIGHT SWITCH
	a b LOWER CASE LETTER INDICATED SWITCH DESIGNATION
	3 3-WAY SWITCH
	4 4-WAY SWITCH
	D DIMMER SWITCH
	K KEYPAD SWITCH
	DT DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH
	OS OCCUPANCY SENSOR SWITCH
	VS VACANCY SENSOR SWITCH
	DUAL CHANNEL SURFACE RACEWAY
	SINGLE CHANNEL SURFACE RACEWAY
	SURFACE MOUNTED CONDUIT

	CLOCK
	PAGING SYSTEM SPEAKER
	HORN STYLE PAGING SYSTEM SPEAKER
	COMBINATION CLOCK / PAGING SYSTEM SPEAKER
	WIRELESS ACCESS POINT
	COMMUNICATIONS OUTLET, # DENOTES QUANTITY OF PORTS
	TELEVISION OUTLET
	PROJECTOR / PROJECTOR MOUNT
	SMART BOARD / PROJECTOR MOUNT
	VOLUME CONTROL
	AREA OF REFUGE COMMUNICATION CALL STATION
	INTERCOM CALL SWITCH

	UNDERGROUND ELECTRIC LINE
	OVER HEAD NEW OVERHEAD ELECTRIC LINE
	UNDERGROUND COMMUNICATIONS
	UTILITY POLE
	NEW LIGHT POLE AND POLE BASE
	AH DENOTES FIXTURE TYPE
	BH DENOTES POLE BASE TYPE
	PULL BOX
	MANHOLE

SED CONTROL NO. 44-09-01-04-0-008-017

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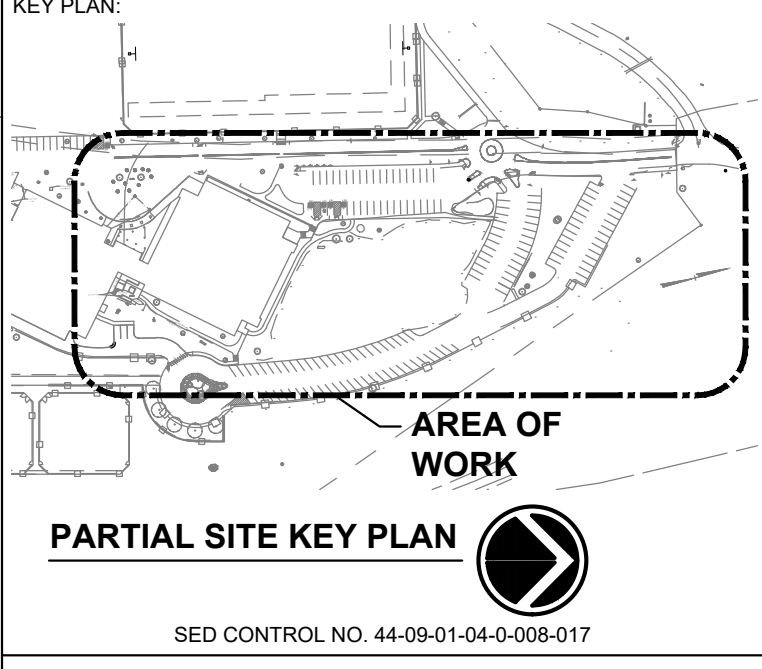
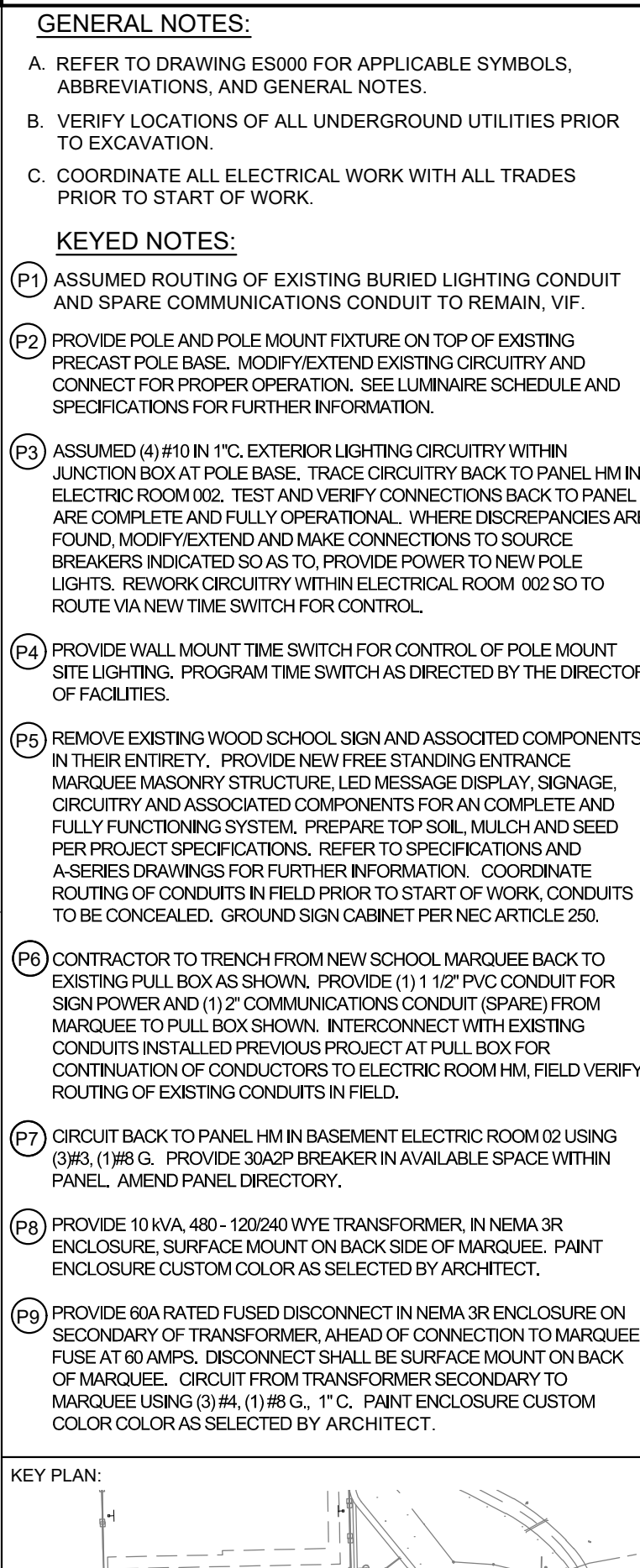


JAMES I. O'NEILL RENOVATION PROJECT
HIGHLAND FALLS - FORT MONTGOMERY CSD
JAMES I. O'NEILL HIGH SCHOOL
HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

REV	DATE	DESCRIPTION

LEGEND, ABBREVIATIONS AND GENERAL NOTES

ES-000



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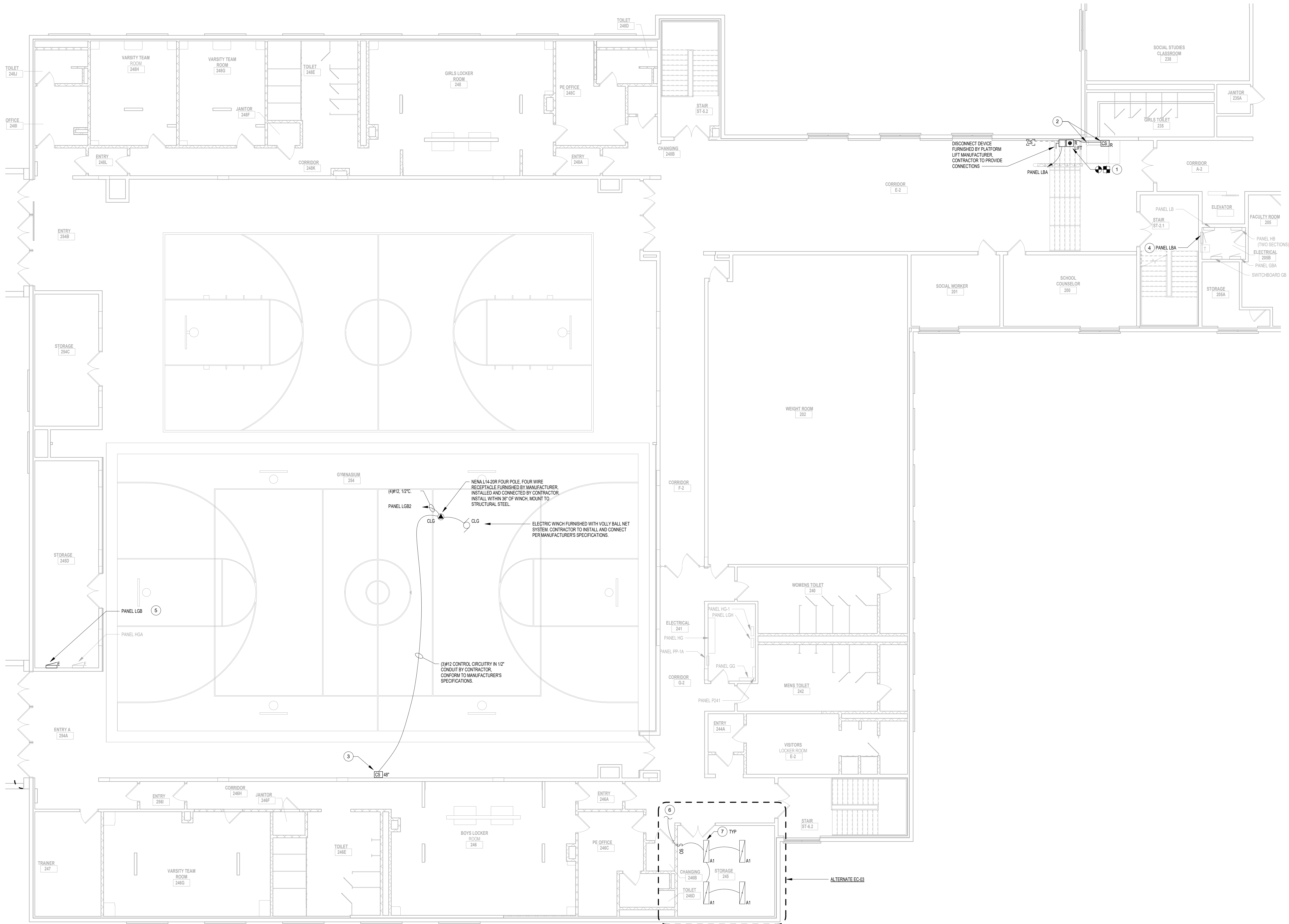


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HIGHLAND FALLS - FORT MONTGOMERY CSD
JAMES I. O'NEILL HIGH SCHOOL
HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

REV	DATE	DESCRIPTION
DRAWN BY NRW		PROJECT NUMBER 2020-117
CHECKED BY JLE		DATE REBID 09.10.2021
PARTIAL SITE PLANS - LIGHTING AND MARQUEE		
SHEET NUMBER		

E-010

9/10/2021 10:49:56 AM



1 SECOND FLOOR AREA B - PARTIAL PLANS
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. SEE DRAWING E-000 FOR APPLICABLE SYMBOLS, ABBREVIATIONS AND ELECTRICAL GENERAL NOTES.

B. SEE ARCHITECTURAL REFERENCE PLANS FOR WALL ASSEMBLY FIRE RATINGS. FIRE-CAULK ALL THROUGH-WALL PENETRATIONS TO MAINTAIN FIRE RATINGS.

KEYED NOTES

1. DISCONNECT POWER CIRCUITY TO EXISTING STAIR LIFT. REMOVE CIRCUITY BACK TO ABOVE SOURCE PANEL. IDENTIFY SOURCE BREAKER AS SPARE. UPON INSTALLATION OF NEW PLATFORM LIFT, PROVIDE NEW POWER CIRCUITY FROM PANEL PREVIOUSLY SERVING STAIR LIFT. PROVIDE 20A 1P BREAKER IN PANEL AND CONNECT USING (2) #12 (1) #12 G OVERHEAD CIRCUITY TO BE IN EMT CONDUIT. VERTICAL AND HORIZONTAL WALL MOUNT CIRCUITY TO BE IN MANUFACTURED SURFACE RACEWAY. REFER TO SPECIFICATIONS.

2. DISCONNECT AND REMOVE EXISTING STAIR CHAIR LIFT CONTROL DEVICES AND CIRCUITY. COMPLETE TO SOURCE. INSTALL NEW CONTROL DEVICE AND CIRCUITY AS FURNISHED BY THE MANUFACTURER. PROVIDE ASSOCIATED SURFACE RACEWAY ON ALL EXISTING SURFACES. COORDINATE LOCATIONS AND ROUTING IN FIELD WITH EXISTING CONDITIONS.

3. CONTRACTOR TO INSTALL CONTROL STATION AS FURNISHED BY MANUFACTURER AND CONNECT PER MANUFACTURER'S SPECIFICATIONS. COORDINATE CONDUIT ROUTING IN FIELD WITH EXISTING CONDITIONS. CONFIRM EXACT LOCATION AND MOUNTING CHARACTERISTICS IN FIELD WITH ARCHITECT AND CONTRACTOR RESPONSIBLE FOR WALL PADDING.

4. PROVIDE 20A 1P BREAKER IN PANEL LBA TO SERVE PLATFORM CHAIR LIFT. AMEND PANEL DIRECTORY ACCORDINGLY.

5. PROVIDE 20A 1P IN PANEL LGB TO SERVE VOLLEYBALL WINCH. AMEND PANEL DIRECTORY ACCORDINGLY.

6. CONNECT TO LIGHTING HOME RUN CIRCUITY SERVING P.E. OFFICE 246.

7. COORDINATE MOUNTING CONFIGURATION IN FIELD TO AVOID CONFLICTS WITH EXISTING CONDITIONS. FIELD ADJUST LOCATIONS AS NEEDED.

KEY PLAN:

AREA OF WORK

SED CONTROL NO. 44-09-01-04-0-008-017

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JAMES I. O'NEILL HIGH SCHOOL
HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

REV	DATE	DESCRIPTION

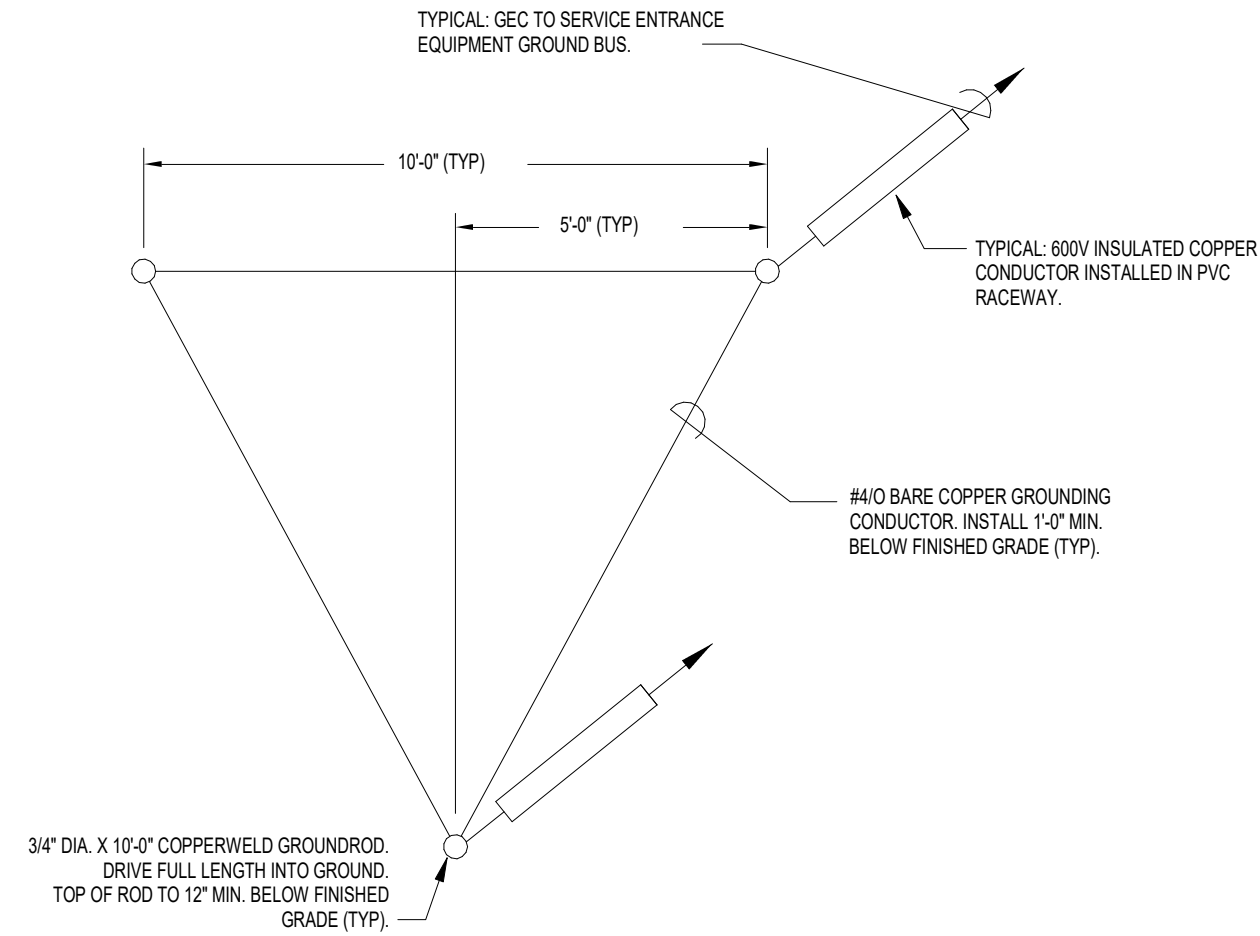
DRAWN BY NRW	PROJECT NUMBER 2020-117
CHECKED BY JLE	DATE REBID 09.10.2021

SECOND FLOOR AREA B - PARTIAL PLANS

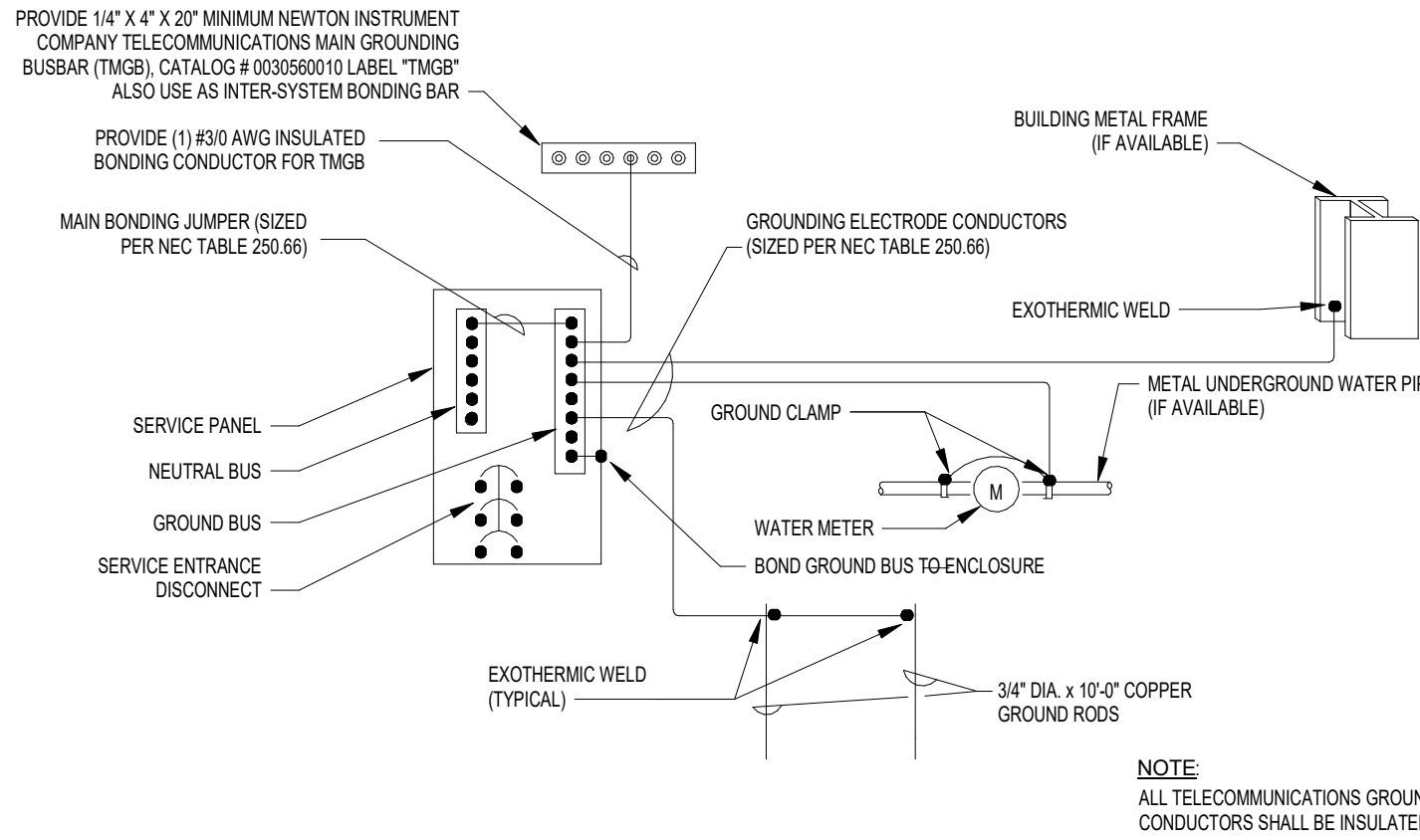
SHEET NUMBER
E-100

GENERAL NOTES:

1. AT POINT OF ENTRANCE TO FACILITY, PROVIDE SOLDER BLOCK IN GROUNDING ELECTRODE CONDUCTOR. SEAL CONDUIT TO CONDUCTOR 100% WATERPROOF.
2. PROVIDE SIZE 40 GROUNDING ELECTRODE CONDUCTOR (GEC) UNLESS OTHERWISE NOTED.
3. PROVIDE ADDITIONAL RODS AND INTERCONNECTIONS AS NECESSARY TO OBTAIN SPECIFIED MAXIMUM RESISTANCE TO GROUND.



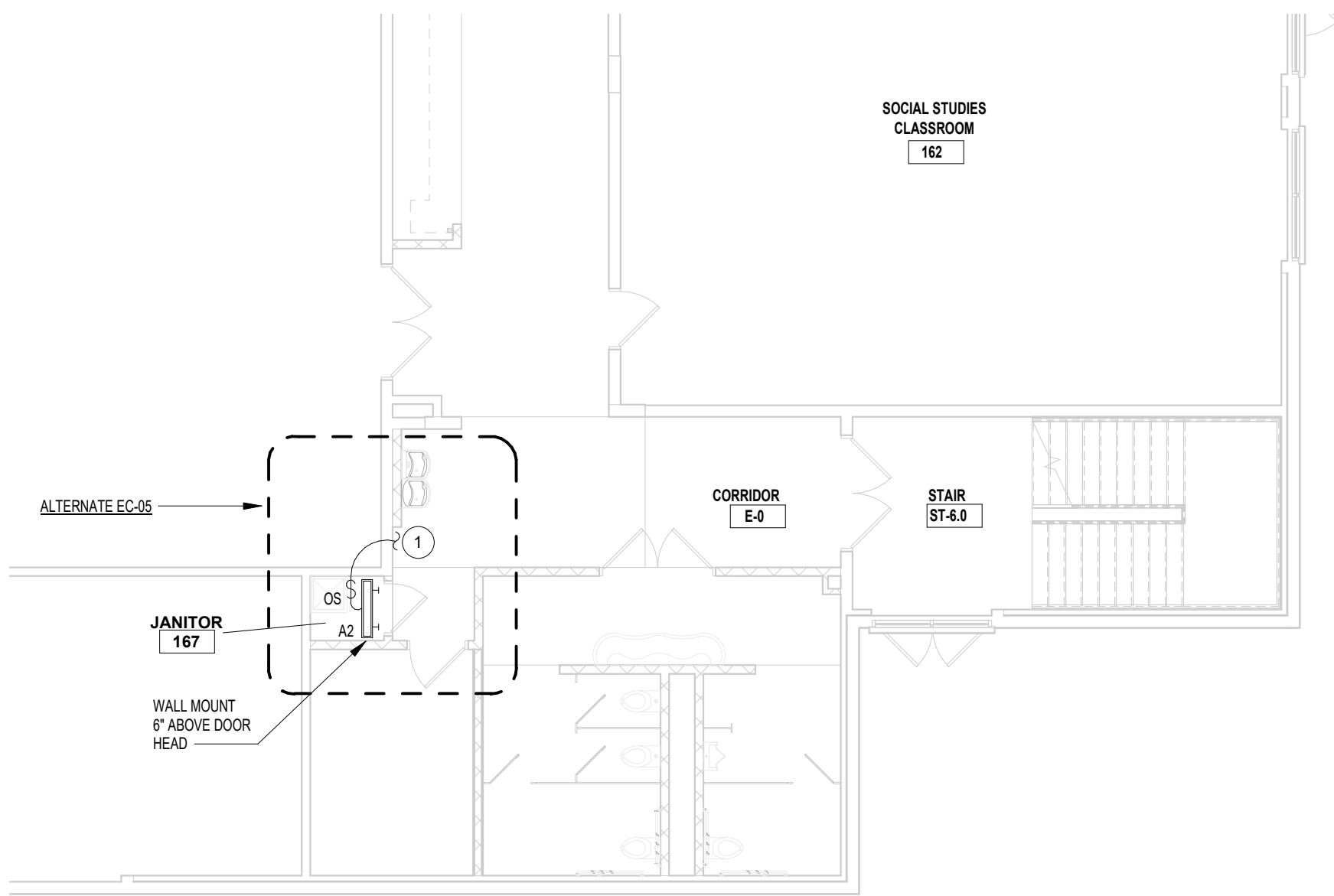
4 ELECTRODE GROUND TIED GRID DETAIL
SCALE: NOT TO SCALE



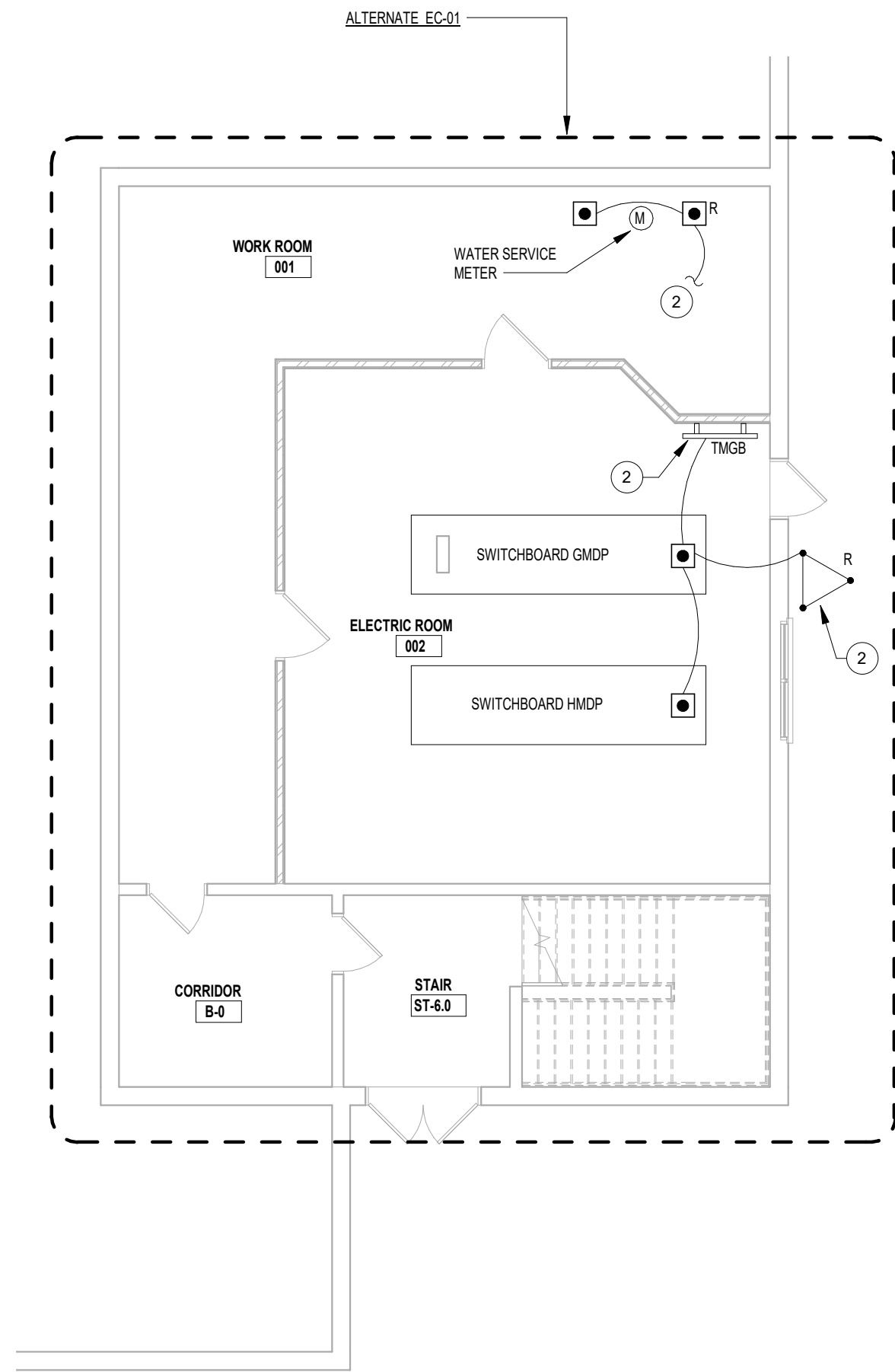
3 TYPICAL SYSTEM GROUNDING DETAIL
SCALE: NOT TO SCALE

NEC TABLE 250.66			
SIZE OF LARGEST UNGROUNDED SERVICE-ENTRANCE CONDUCTOR OR EQUIVALENT AREA FOR PARALLEL CONDUCTORS (AWG/KCMIL)		SIZE OF GROUNDING ELECTRODE CONDUCTOR (AWG/KCMIL)	
COPPER	ALUMINUM OR COPPER-CLAD ALUMINUM	COPPER	ALUMINUM OR COPPER-CLAD ALUMINUM
2 OR SMALLER	1/0 OR SMALLER	8	6
1 OR 1/0	1/0 OR 3/0	6	4
2/0 OR 3/0	4/0 OR 500	4	2
OVER 3/0 THROUGH 350	OVER 250 THROUGH 500	2	1/0
OVER 350 THROUGH 600	OVER 500 THROUGH 800	1/0	3/0
OVER 600 THROUGH 1100	OVER 800 THROUGH 1750	2/0	4/0
OVER 1100	OVER 1750	3/0	250

NOTE:
SERVICE ENTRANCE CONDUCTORS NOT SHOWN FOR CLARITY.



2 FIRST FLOOR PARTIAL PLAN - AREA B
SCALE: 1/8" = 1'-0"



1 BASEMENT - PARTIAL PLAN - AREA B
SCALE: 1/8" = 1'-0"

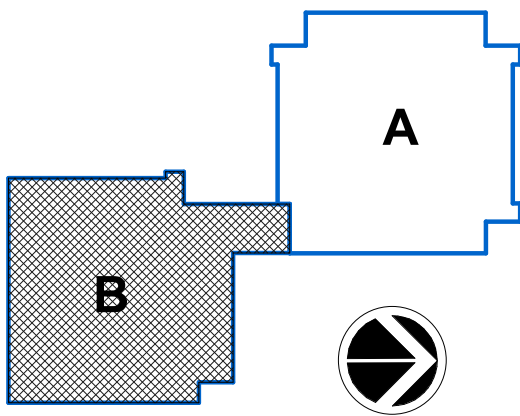
GENERAL NOTES

- A. SEE DRAWING E-000 FOR APPLICABLE SYMBOLS, ABBREVIATIONS AND ELECTRICAL GENERAL NOTES.
- B. SEE ARCHITECTURAL REFERENCE PLANS FOR WALL ASSEMBLY FIRE RATINGS. FIRE-CALULK ALL THROUGH-WALL PENETRATIONS TO MAINTAIN FIRE RATINGS.

KEYED NOTES

1. CONNECT TO LIGHTING HOME RUN CIRCUIT SERVING ARCHIVES 164.
2. DISCONNECT AND REMOVE EXISTING BUILDING ELECTRICAL SERVICE GROUNDING SYSTEM HEAD END AT WORK ROOM 001 AND ELECTRIC ROOM 002. PROVIDE NEW SYSTEM GROUND SYSTEM PER DETAILS 3 AND 4 ON DRAWING E-200. SEE SPECIFICATIONS FOR INFORMATION.

KEY PLAN:



SED CONTROL NO. 44-09-01-04-0-008-017

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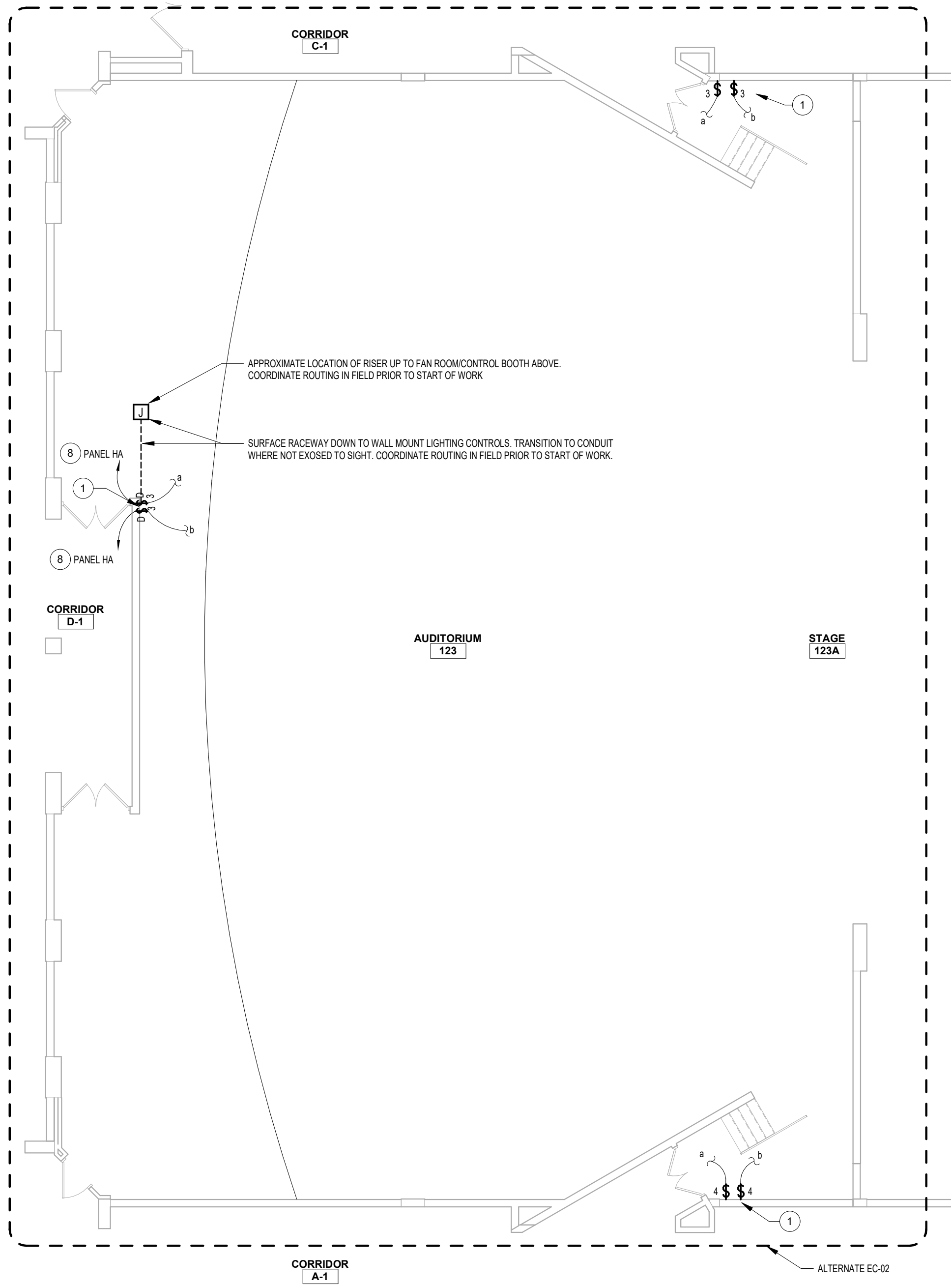
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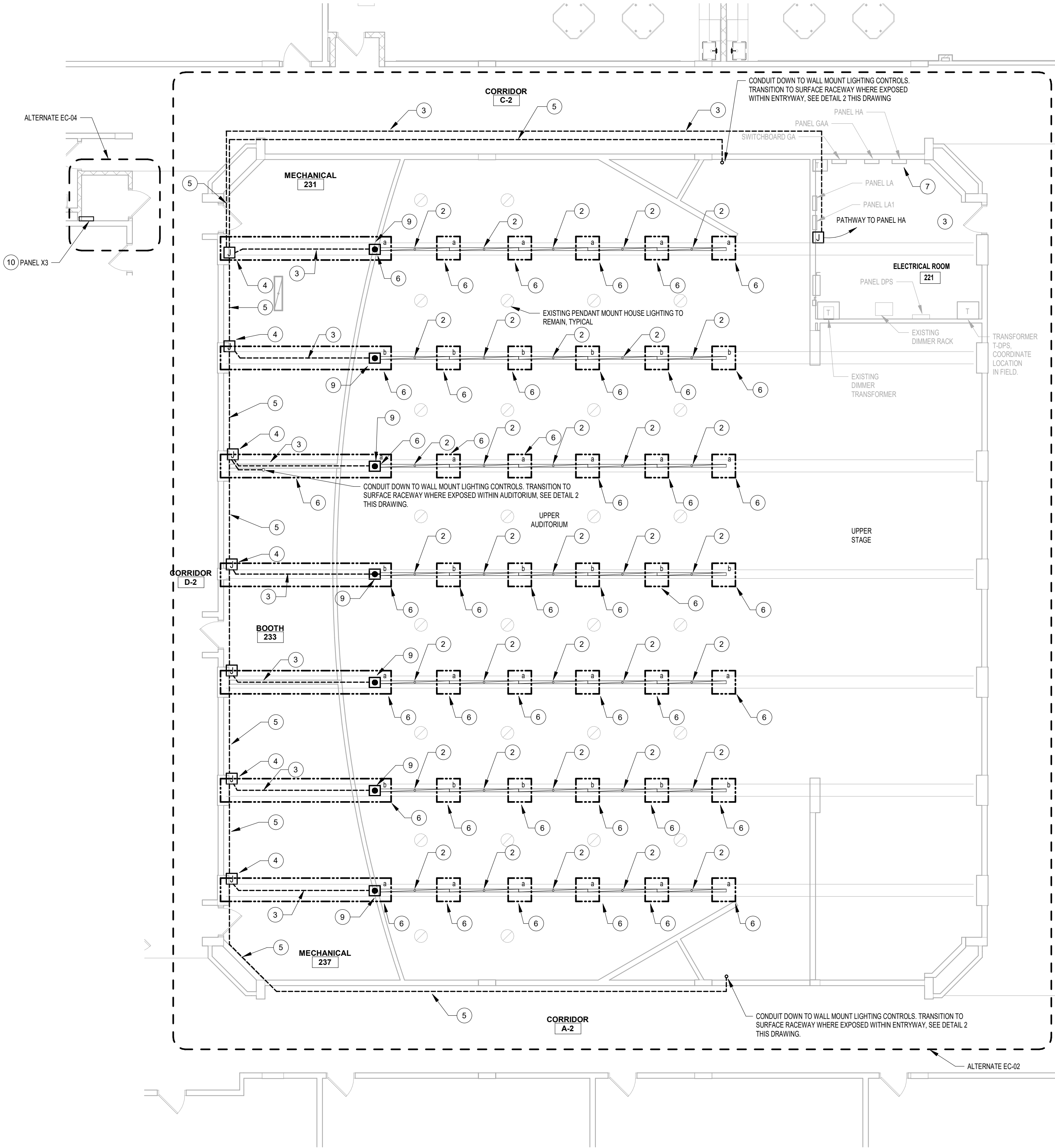
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REV	DATE	DESCRIPTION
DRAWN BY	NRW	PROJECT NUMBER
CHECKED BY	JLE	DATE
BASEMENT & FIRST FLOOR AREA B - PARTIAL PLANS		REBID 09.10.2021
SHEET NUMBER		E-200

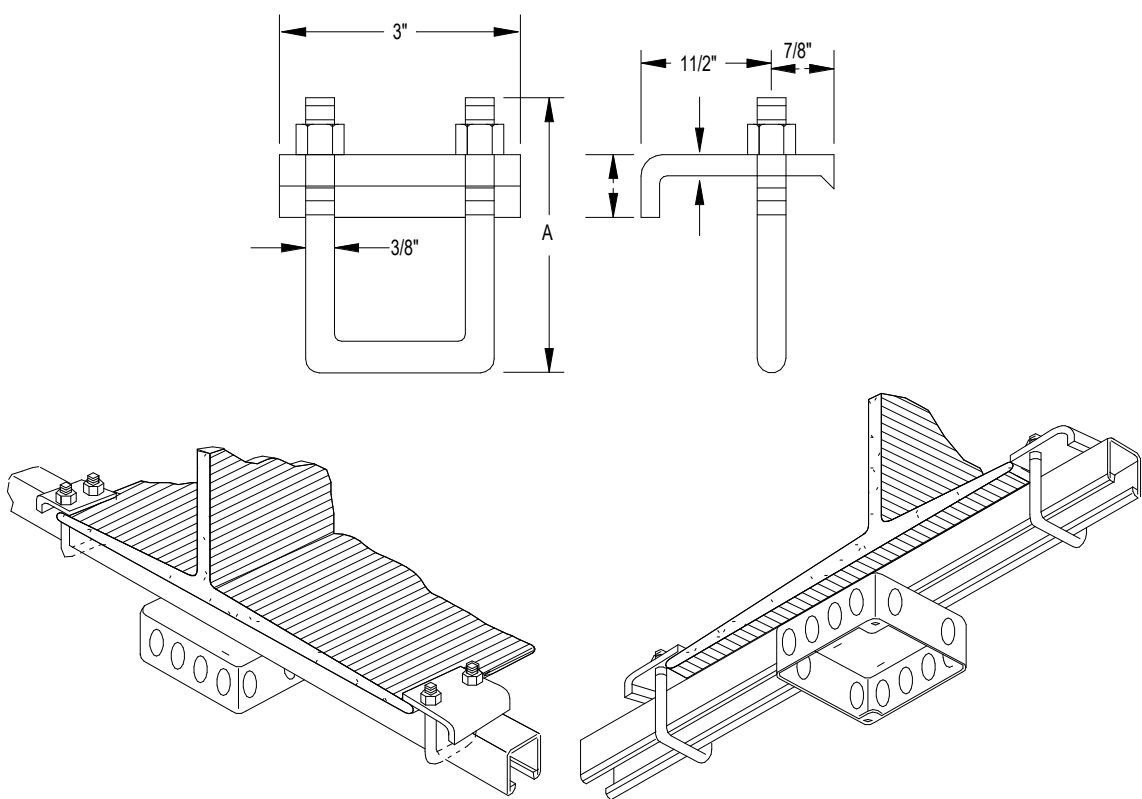
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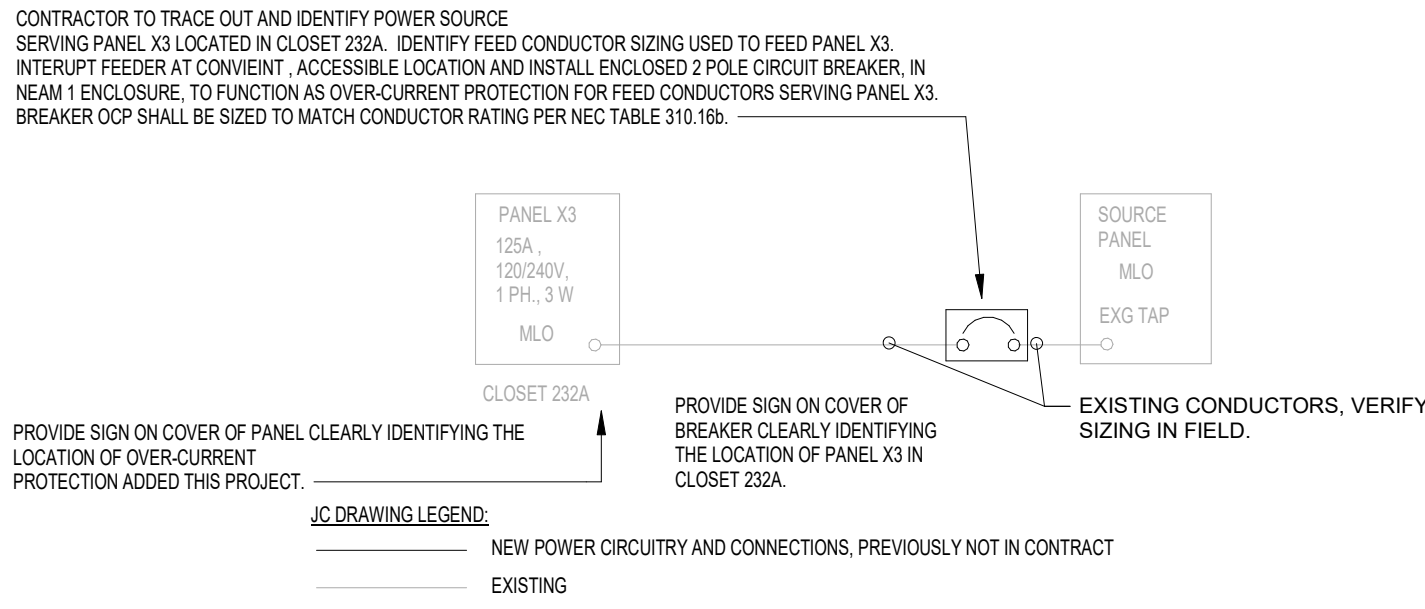
2 PARTIAL FIRST FLOOR -LIGHTING PLAN-AREA A
SCALE: 1/8" = 1'-0"



1 PARTIAL SECOND FLOOR - LIGHTING PLAN - AREA A
SCALE: 1/8" = 1'-0"

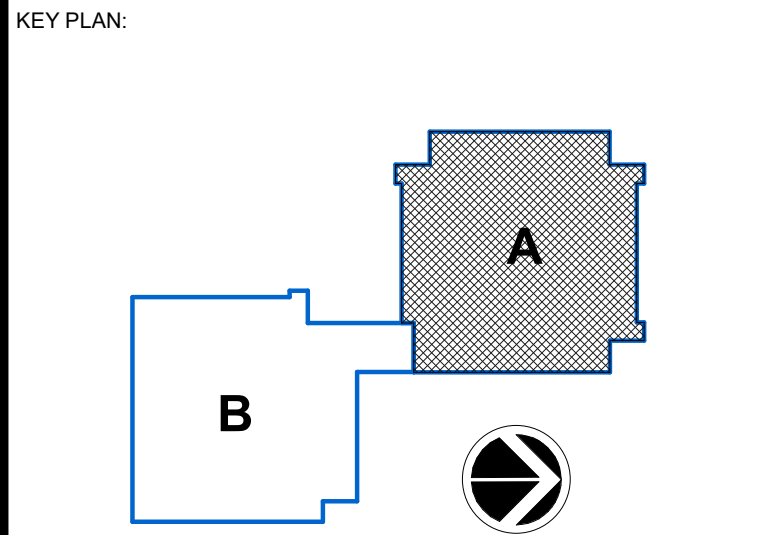


3 BEAM FLANGE MOUNTING DETAIL
SCALE: NOT TO SCALE



4 PANEL X3 OVER-CURRENT PROTECTION
SCALE: NOT TO SCALE

- GENERAL NOTES**
- A. SEE DRAWING E-000 FOR APPLICABLE SYMBOLS, ABBREVIATIONS AND ELECTRICAL GENERAL NOTES.
- B. SEE ARCHITECTURAL REFERENCE PLANS FOR WALL ASSEMBLY FIRE RATINGS. FIRE-CALL ALL THROUGH-WALL PENETRATIONS TO MAINTAIN FIRE RATINGS.
- KEYED NOTES**
1. PROVIDE 277V RATED LIGHTING CONTROLS FOR CONTROL OF NEW LINEAR CABLE HUNG PENDANTS. COORDINATE MOUNTING CHARACTERISTICS AND ROUTING OF CIRCUITRY IN FIELD. LOCATIONS SHOWN ARE APPROXIMATE, COORDINATE ACTUAL LOCATIONS IN FIELD WITH OWNER.
 2. CONTRACTOR TO INSTALL AND CONNECT EXISTING OWNER FURNISHED CABLE HUNG FIXTURE, CENTER TO BOTTOM BEAM FLANGE. FIXTURE IS CORLITE CAT-# HGL-S-FR-80L-840-1-D-UNV-STD-...-S-AC120-LUM-8
 3. APPROXIMATE ROUTING OF CONDUIT ALONG THE TOP OF THE BOTTOM FLANGE OF STRUCTURAL STEEL BEAM FOR LIGHTING CONDUCTORS. COORDINATE ACTUAL ROUTING AND SPACING IN FIELD WITH AAC PRIOR TO START OF ABATEMENT WORK.
 4. CONDUIT TRANSITION FROM BEAM FLANGE DOWN ONTO CMU WALL CONSTRUCTION FOR HORIZONTAL RUNS FOR LIGHTING CONDUCTORS. COORDINATE ACTUAL ROUTING AND SPACING IN FIELD WITH AAC PRIOR TO START OF ABATEMENT WORK.
 5. APPROXIMATE ROUTING OF CONDUIT, AS HIGH AS POSSIBLE, ALONG THE EXISTING CMU CONSTRUCTION FOR LIGHTING CONDUCTORS. COORDINATE ACTUAL ROUTING AND SPACING IN FIELD PRIOR TO START OF WORK.
 6. MOUNT LINEAR FIXTURE AIRCRAFT CABLE PENDANT SUPPORT TO STRUT ASSEMBLY. BEAM FLANGE MOUNT SIMILAR TO DETAIL 3E-300. FIELD COORDINATE MOUNTING CHARACTERISTICS ON-SITE WITH EXISTING CONDITIONS. ADHERE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. COORDINATE ATTACHMENT LOCATIONS TO BOTTOM FLANGE OF STEEL BEAMS WITH CONTRACTOR RESPONSIBLE FOR ABATEMENT.
 7. REARRANGE/ BALANCE LOADS IN 480/277V PANEL HA SO AS TO ALLOW FOR THE INSTALLATION OF TWO 20A/1P CIRCUIT BREAKERS IN PANEL. AMEND PANEL DIRECTORIES ACCORDINGLY.
 8. PROVIDE 20A, 277V SINGLE PHASE CIRCUITRY BACK TO PANEL HA AND CONNECT TO 20A/1P BREAKER, USING (2) #12, (1) #12G 1/2".
 9. CONTRACTOR TO PROVIDE AND INSTALL (1) JUNCTION BOX POWER INTERFACE, AIRCRAFT CABLE MOUNTING, COOPER LIGHTING CAT# AC...ST AT PLAN WEST END OF EACH ROW OF FIXTURES AND CONNECT. FIXTURES ARE FURNISHED WITH STRAIGHT CABLE CORD. FIXTURES ALONG ROW ARE INTERNALLY WIRED WITH PRE-TERMINATED WIRING HARNESS PROVIDED.
- ALTERNATE EC-04: PROVIDE OVER-CURRENT PROTECTION ON TAP FEED SERVING PANEL X3. SEE PARTIAL ONE-LINE DIAGRAM DETAIL 41E-300 FOR INFORMATION.



SED CONTROL NO. 44-09-01-04-0-008-017

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JAMES I. O'NEILL RENOVATION PROJECT
HIGHLAND FALLS - FORT MONTGOMERY CSD
JAMES I. O'NEILL HIGH SCHOOL
HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

REV	DATE	DESCRIPTION
DRAWN BY	NRW	PROJECT NUMBER
CHECKED BY	JLE	DATE
FIRST & SECOND FLOOR AREA A - PARTIAL PLANS		REBID 09.10.2021
SHEET NUMBER		E-300

9/10/2021 10:50:04 AM

GENERAL NOTES
SEE DRAWING E-000 FOR APPLICABLE SYMBOLS, ABBREVIATIONS AND ELECTRICAL GENERAL NOTES.

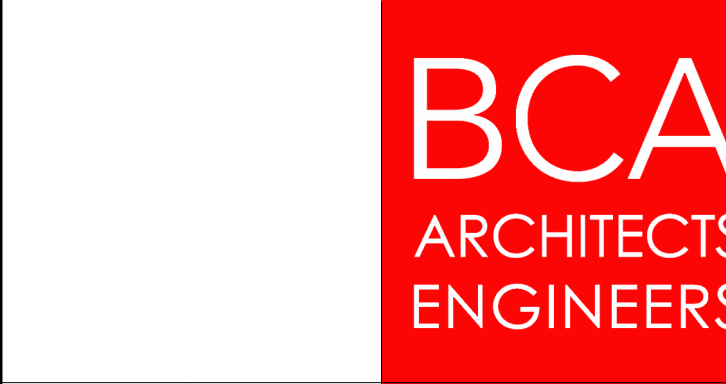
KEYED NOTES
1 DISCONNECT AND REMOVE ABANDONED 20A 2P BREAKER. PROVIDE (2) NEW 20A 1P BREAKERS IN AVAILABLE SPACE. IDENTIFY BREAKER 2 FOR PLATFORM CHAIR LIFT. IDENTIFY BREAKER 2 AS "SPACE".

KEY PLAN:

SED CONTROL NO. 44-09-01-04-0-008-017

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REV	DATE	DESCRIPTION

DRAWN BY NRW	PROJECT NUMBER 2020-117
CHECKED BY JLE	DATE REBID 09.10.2021

SCHEDULES

SHEET NUMBER
E-600