

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

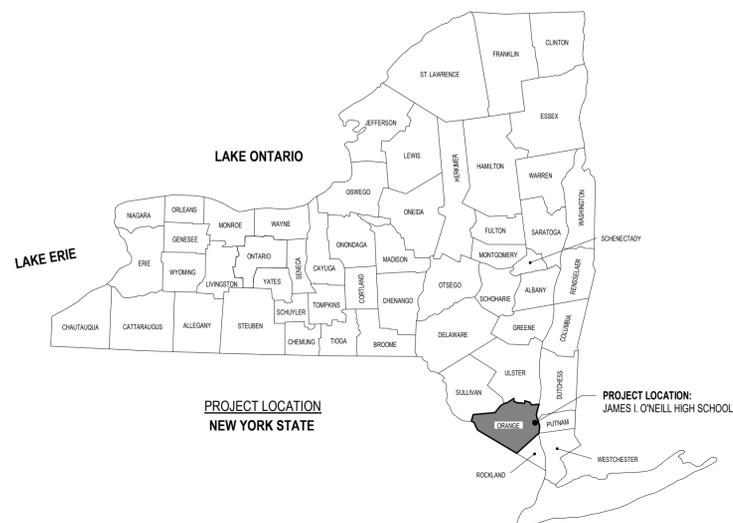
SED No.44-09-01-04-0-008-017



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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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SET NO.

LIST OF ABBREVIATIONS

A AMP	AMPERE(S)	COL	COLUMN	'F	AIR DEGREES FAHRENHEIT	ID	INSIDE DIAMETER	N	NORTH	RD	ROOF DRAIN	TGMB	TELECOMMUNICATIONS MAIN GROUND BAR	W	WEST, WIRE, WALL or WATTS
AAS	AUTOMATIC AIR DAMPER	CONC	CONCRETE	WB	WET BULB TEMPERATURE	IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS	NAT	NATURAL	REF	REFRIGERANT	VFC	VARIABLE FREQUENCY DRIVE	W	WEST, WIRE, WALL or WATTS
AB	ANCHOR BOLT	COND	CONDUIT	FA	FIRE ALARM	IGL	INSULATING GLASS	NC	NON-COMBUSTIBLE or NORMALLY CLOSED	REFRIG	REFRIGERATOR	THK	THICKNESS	W	WEST, WIRE, WALL or WATTS
AC	AIR CONDITIONING	CONN	CONNECTION	FACP	FIRE ALARM CONTROL PANEL	IMP	INSULATED METAL PANEL	NEC	NATIONAL ELECTRIC CODE	REG	REGISTER	TDF	TELECOMMUNICATIONS INTERMEDIATE DISTRIBUTION FRAME	W	WEST, WIRE, WALL or WATTS
ACU	AIR COOLED CONDENSING UNIT	CONSTR	CONSTRUCTION	FDO	FURNISHED BY OTHERS	IN	INCLUDING	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	REIN	REINFORCED	TDF	TELECOMMUNICATIONS MAIN DISTRIBUTION FRAME	W	WEST, WIRE, WALL or WATTS
ACLG	ABOVE CEILING	CONT	CONTINUOUS	FC	FORWARD CURVED	INC	INCLUDING	NF	NON-FUSED	REQ	REQUIRED	TO	TOP OF	WB	WET BULB TEMPERATURE
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	INTNSOR	INTERIOR	NO	NUMBER or NORMALLY OPEN	RF	RETURN FAN	TOM	TOP OF MASONRY	WCO	WATER CLEAN OUT
ADJ	ADJUSTABLE	CSH	CUSHION TILE	FDN	FOUNDATION	INV	INVERT	NO	NUMBER or NORMALLY OPEN	RG	RIGID GALVANIZED STEEL	TOS	TOP OF STEEL	WF	WHITE BOARD
AFF	ABOVE FINISHED FLOOR	CT	CERAMIC TILE	FE	FIRE EXTINGUISHER	IPS	INSIDE PIPE SIZE	NOM	NOMINAL	RH	RELATIVE HUMIDITY	TT	TERRAZZO TILE	WD	WOOD
AIC	AMPERE INTERRUPTING CAPACITY	CU	COPPER	FEC	FIRE EXTINGUISHER CABINET	KCMIL	THOUSAND CIRCULAR MILS	NTS	NOT TO SCALE	RHC	REHEAT COIL	TYP	TYPICAL	WC	WATER CLEAN OUT
ALUM	ALUMINUM	CUH	CABINET UNIT HEATER	FF	FINISH FLOOR ELEVATION	KVA	KILOVOLT AMPERES	OC	OUTDOOR AIR	RM	ROOM	T&G	TOP & GROOVE	WH	WATER HEATER
ALT	ALTERNATE	CUV	CLASSROOM UNIT VENTILATOR	FG	FIBERGLASS	KW	KILOWATT	OC	OUTDOOR AIR	RO	ROUGH OPENING	UG	UNDERGROUND	WHA	WATER HAMMER ARRESTOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	CV	COMPOSITE WOOD or COLD WATER	FL	FLOOR	LAM	LAMINATED	OC	OUTSIDE DIAMETER	RPM	REVOLUTIONS PER MINUTE	US	UNIT HEATER	WM	DUAL CHANNEL SURFACE RACEWAY
APD	AIR PRESSURE DROP	DB	DRY BULB TEMPERATURE	FNS	FLOW MEASURING STATION	LAT	LEAVING AIR TEMPERATURE	OD	OUTSIDE DIAMETER	RV	REINFORCED VINYL TILE	VC	VINYL COMPOSITION TILE	WR	WATER RESISTANT
APPROX	APPROXIMATE	DCJ	DRY BULB TEMPERATURE	DET	DETAIL	LAV	LAVATORY	OH	OPPOSING HAND	RTN	RETURN	UH	UNIT HEATER	WTRPRF	WATER PROOFING
ARCH	ARCHITECTURAL	DF	DRAWING	DF	DRAWING	LB	POUND	OPV	OPPOSITE OF	RTU	ROOF TOP UNIT	UNO	UNLESS NOTED OTHERWISE	WV	WELDED WIRE MESH
BC	BACKWARD CURVED	DA	DIAMETER	DF	DRAWING	LBL	LEAVE LABEL	OZ	OUNCE	S	SOUTH	UTL	UTILITY	WV	WELDED WIRE MESH
BD	BOARD	DM	DIMENSION	DF	DRAWING	LDB	LEAVING DRY BULB TEMPERATURE	P	PUMP or POLE	SAN	SANITARY LINE	UV	UNIT VENTILATOR	XFMR	TRANSFORMER
BDD	BACKDRIFT DAMPER	DN	DOWN	DF	DRAWING	LGFM	LIGHT GAGE METAL FRAMING	PB	PARTICLE BOARD	SC	SCHEDULE	V	VOLT	Δ	DELTA
BFG	BELOW FINISH GRADE	DO	DOTTO	DF	DRAWING	LLH	LONG LEG HORIZ	PC	PLUMBING CONTRACTOR	SEAL	SEALER	VAR	VARIABLE AIR VOLUME		
BHP	BRAKE HORSEPOWER	DP	DEW POINT TEMPERATURE	DPO	DECK PLATE CLEAN OUT	LLV	LONG LEG VERT	PCF	POUNDS PER CUBIC FOOT	SGT	SQUARE FOOT	VAV	VARIABLE AIR VOLUME		
BH	BEND MARK	DSD	DUCT SMOKE DETECTOR	DSD	DUCT SMOKE DETECTOR	LML	LINEAR METAL	PD	PRESSURE DROP or PIPE DROP	SE	SEALER	VB	VAPOR BARRIER		
BLDG	BUILDING	DWG	DRAWING	DX	DIRECT EXPANSION	PERF	PERFORATED	PF	PRE-FINISH	SHC	SENSIBLE HEAT CAPACITY	VERT	VERTICAL		
BLK(K)	BLOCKING	GA	GAUGE	DX	DIRECT EXPANSION	LTG	LIGHTING	PH	PHASE	SHC	SENSIBLE HEAT CAPACITY	VEST	VESTIBULE		
BMS	BUILDING MANAGEMENT SYSTEM	GALV	GALVANIZED	DX	DIRECT EXPANSION	LV	LEAVING WET BULB TEMPERATURE	PL	PLATE	SPR	SPRINKLER	VIF	VERIFY IN FIELD		
BRK	BEARING	E	EAST	DX	DIRECT EXPANSION	LWT	LEAVING WATER TEMPERATURE	PLYWD	PLYWOOD	SPC	STAINED POLISHED CNC	VIN	VINYL		
BREK	BREAK	EA	EACH	DX	DIRECT EXPANSION	MATL	MATERIAL	PLAS	PLASTER	SPC	SPECIFICATION	VWB	VENTILATED PLASTIC BASE		
BTU	BRITISH THERMAL UNIT	EAT	ENTERING AIR TEMPERATURE	DX	DIRECT EXPANSION	MAS	MASONRY	PL	PLASTER	SRV	STATIONARY ROOF VENTILATOR	VWC	VINYL WALL COVERING		
BTUH	BRITISH THERMAL UNIT PER HOUR	EC	ELECTRICAL CONTRACTOR	DX	DIRECT EXPANSION	MAU	MAKE UP AIR UNIT	PNC	PUMPED CONDENSATE	SS	STAINLESS STEEL				
BUR	BUILT-UP ROOF	EDB	ENTERING DRY BULB	DX	DIRECT EXPANSION	MAU	MAKE UP AIR UNIT	PNL	PANEL	ST	SHUNT TRIP				
BV	BALL VALVE	EF	EXHAUST FAN	DX	DIRECT EXPANSION	MB	MAXIMUM	POLY	POLYETHYLENE	ST	STEEL				
C	CONDUIT	EFF	EFFICIENCY	DX	DIRECT EXPANSION	MBH	1000 BTUH	PORC	PORCELAIN	ST	STEEL				
CARP	CARPET	EFF	EXISTING FIRE EXTINGUISHER	DX	DIRECT EXPANSION	MER	MEMBRANE	PR	PAIR or PIPE RISE	ST	STEEL				
CB	CIRCUIT BREAKER	EJ	EXPANSION JOINT	DX	DIRECT EXPANSION	MC	MECHANICAL CONTRACTOR	PRE	POWER ROOF EXHAUST	STD	STEEL				
CBB	CEMENTITIOUS BACKER BOARD	ELEC	ELECTRIC	DX	DIRECT EXPANSION	MCA	MAXIMUM CIRCUIT AMPACITY	PRE	PORCELAIN TILE	STD	STEEL				
CBD	CHALK BOARD	EA	EACH	DX	DIRECT EXPANSION	MCS	MAIN CIRCUIT BREAKER	PSF	POUNDS PER SQUARE FOOT	STOR	STORAGE				
CDU	CEILING CASSETTE UNIT	EM	EMERGENCY	DX	DIRECT EXPANSION	MCC	MOTOR CONTROL CENTER	PSI	POUNDS PER SQUARE INCH	STR	STRAIGHT				
CD	COLD CONDENSATE DRAIN	EMB	EMBEDMENT	DX	DIRECT EXPANSION	MD	MANUAL DAMPER	PTD	PAINTED	STRCT	STRUCTURAL				
CDT	CONDUIT	EM	ELECTRICAL METALLIC TUBING	DX	DIRECT EXPANSION	MECH	MECHANICAL	PTN	PARTITION	SUSP	SUSPENDED				
CE	CABINET EXHAUST FAN	EP	EPOXY PAINT	DX	DIRECT EXPANSION	MFR	MANUFACTURER	PVC	POLYVINYL CHLORIDE	SW	SWITCH				
CEM FLS	CEMENT PLASTER	EQUIP	EQUIPMENT	DX	DIRECT EXPANSION	MIN	MINIMUM	PWT	POWER	SW	SQUARE YARD				
CF	CUBIC FOOT	ERGB	ELECTRICAL ROOM GROUND BAR	DX	DIRECT EXPANSION	MISC	MISCELLANEOUS	QT	QUARRY TILE	SYM	SYMMETRICAL				
CFM	CUBIC FEET PER MINUTE	ESP	EXTERNAL STATIC PRESSURE	DX	DIRECT EXPANSION	MO	MASONRY OPENING	QTY	QUANTITY	T	TREAD				
CFP	CAST IRON PIPE	ESS	EXPOSED STRUCTURAL STEEL	DX	DIRECT EXPANSION	MOP	MAXIMUM OVER-CURRENT PROTECTION	R	RISER	TB	TACK BOARD				
CJ	CONTROL JOINT	ETR	EXISTING TO REMAIN	DX	DIRECT EXPANSION	MTD	MOUNTED	RA	RADIUS	TBR	TO BE REMOVED				
CL	CENTERLINE	EW	EACH WAY or EYE WASH	DX	DIRECT EXPANSION	MTG	MEETING	RAD	RADIUS	TERR	TERRAZZO				
CLF	CURRENT LIMITING FUSE	EWB	ENTERING WET BULB TEMPERATURE	DX	DIRECT EXPANSION	MTL	METAL	RB	RUBBER BASE	TERR	TERRAZZO				
CLG	CEILING	EXC	EXHAUST	DX	DIRECT EXPANSION	HVAC	HOT WATER RETURN	RC	ROOFING CONTRACTOR	TG	TRANSFER GRILLE				
CLR	CLEAR	EXP	EXPLOSION PROOF	DX	DIRECT EXPANSION	HWS	HOT WATER SUPPLY	RCP	REINFORCED CONC PARS	TGB	TELECOMMUNICATION GROUND BAR				
CM	CONSTRUCTION MANAGER	EXT	EXTERIOR	DX	DIRECT EXPANSION	HYD	HYDANT								

GENERAL NOTES

- THE INFORMATION ON CONTRACT DRAWINGS G-001 APPLY TO ALL BUILDINGS IN THIS PROJECT.
- ALL DRAWING SHEETS MAY INCORPORATE COLOR GRAPHICS WHICH INDICATE IMPORTANT INFORMATION AND SHALL BE PRINTED IN COLOR. IF REPRODUCED BY A CONTRACTOR.

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 WITH 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.

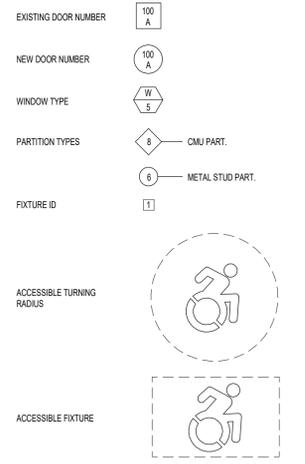
GENERAL RENOVATION NOTES

- 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, CULK AND TACKBOARDS, PROJECTION SCREENS, ETC. SHALL BE REMOVED AND DISPOSED OF OR SAFELY STORED (IF SCHEDULED FOR REUSE) BY THE GENERAL CONTRACTOR. THE OWNER SHALL RESERVE THE RIGHT TO MAINTAIN OWNERSHIP OF ANY AND ALL EXISTING ITEMS SCHEDULED FOR REMOVAL.
- THE GENERAL CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR THE DEMOLITION, REMOVAL AND PROPER DISPOSAL OF ALL EXISTING STRUCTURAL COMPONENTS, FLOORS, WALLS, CEILINGS, DOORS, AND FRAMES, CASEWORK, CANOPIES, CONCRETE FOUNDATIONS AND SLABS, 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 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, PRIME, 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 EXCEPT 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 STANDARD / 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.

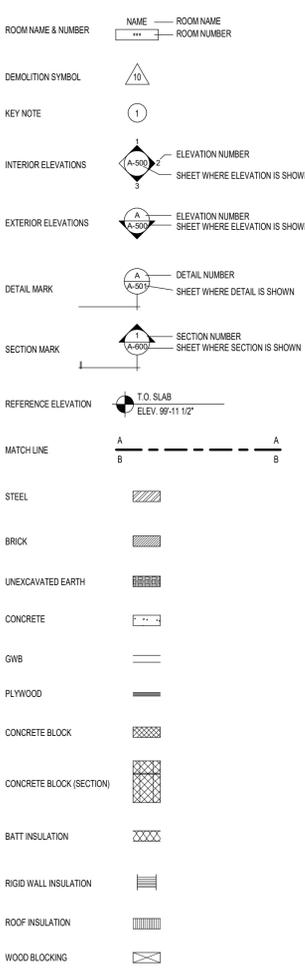
LIFE SAFETY CONSIDERATIONS

- 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 CREATED 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 ODS.
- 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 (10) 102. LEAD IN GENERAL 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 WITH NYC 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



STANDARD SYMBOLS



KEY PLAN:

SED CONTROL No. 44-09-01-04-0-008-017
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 HIGHLAND FALLS - FORT MONTGOMERY CSD
 JAMES I. O'NEILL HIGH SCHOOL
 HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

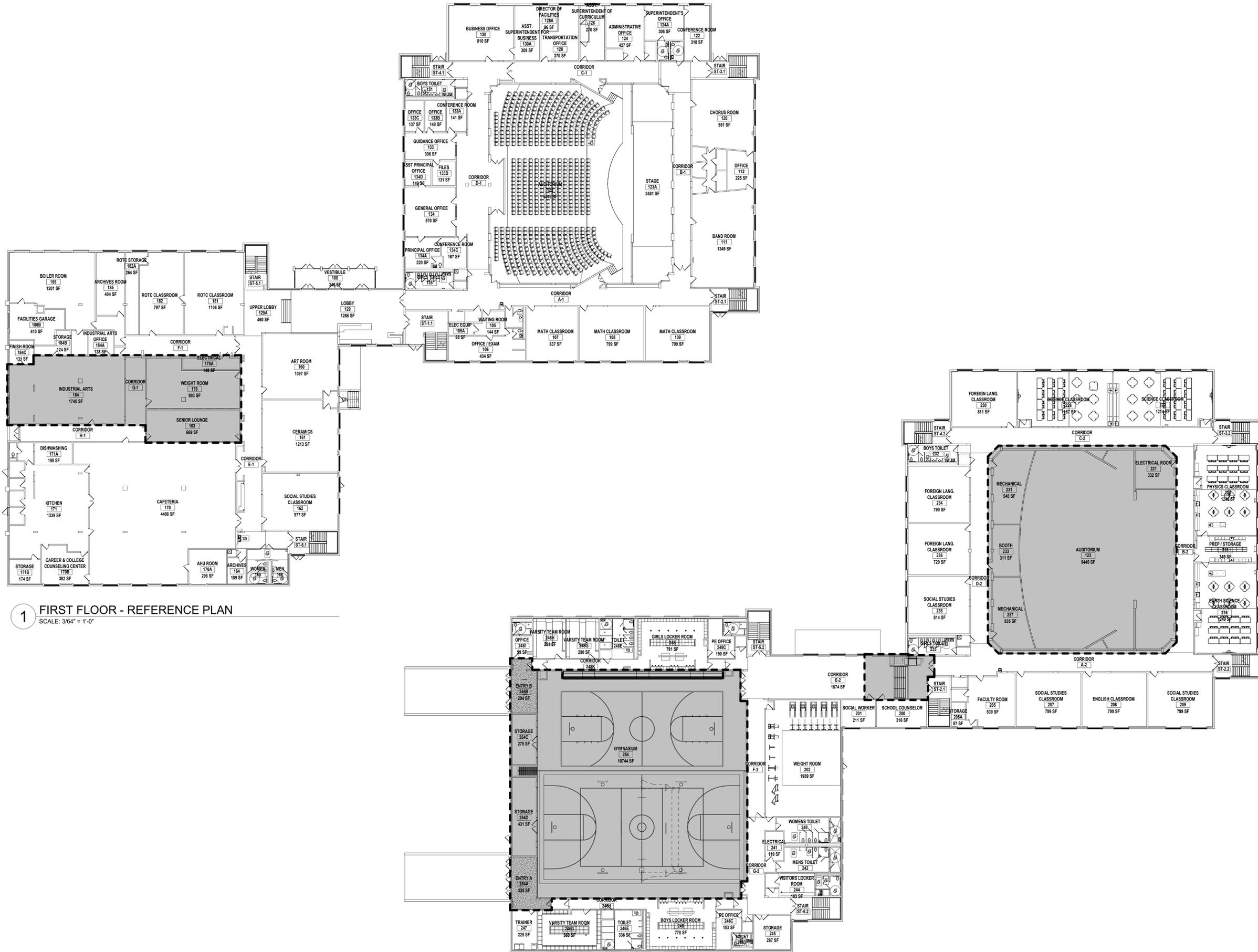
REV	DATE	DESCRIPTION

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

GENERAL NOTES, SYMBOLS & ABBREVIATIONS

SHEET NUMBER

G-000



1 FIRST FLOOR - REFERENCE PLAN
SCALE: 3/64" = 1'-0"

2 SECOND FLOOR - REFERENCE PLAN
SCALE: 3/64" = 1'-0"

REFERENCE PLAN LEGEND

HATCH DENOTES AREA OF PROJECT SCOPE OF WORK

KEY PLAN:

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

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REV	DATE	DESCRIPTION

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REFERENCE PLANS

SHEET NUMBER
RP-100

9/8/2021 10:01:05 AM

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

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

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

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

III. CONSTRUCTION CLASSIFICATION
 *AREA 'A' (1982) = TYPE II-B UNPROTECTED NON-COMBUSTIBLE
 *AREA 'B' (1934) = TYPE II-B UNPROTECTED NON-COMBUSTIBLE

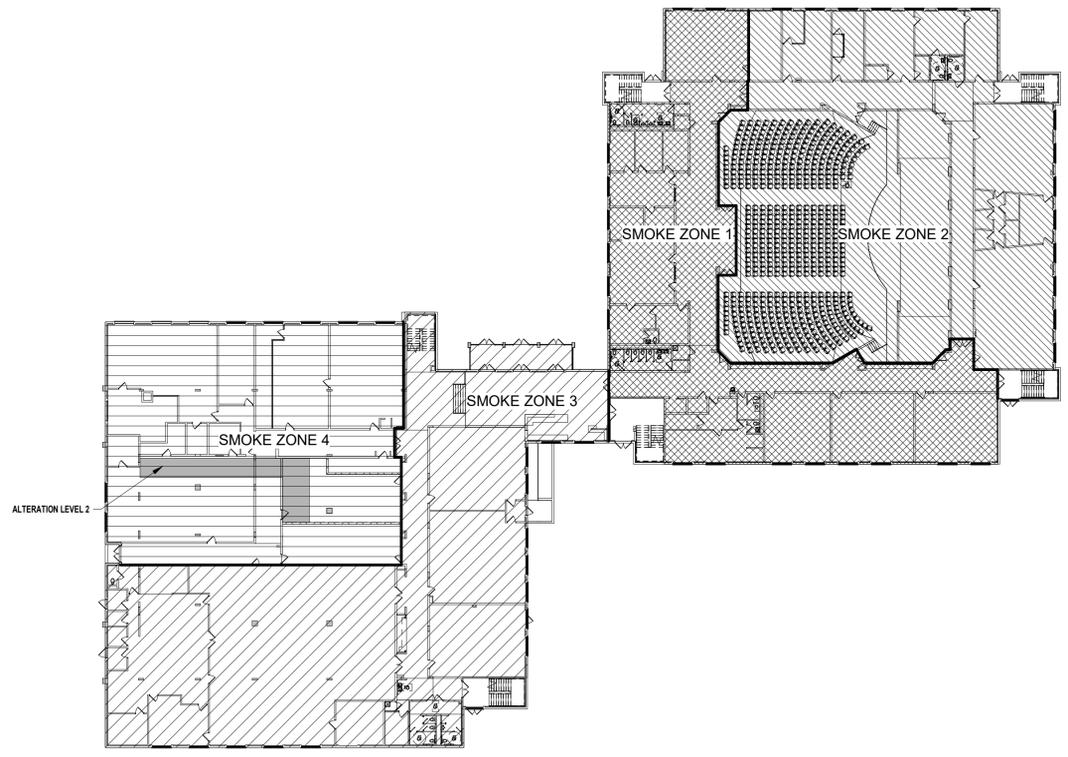
IV. HEIGHT & AREA SUMMARY
 *ACTUAL GROSS BUILDING AREA = 133,993 SF
 BUILDING (EXISTING)
 AREA 'A' (1982) 81,773 SF
 AREA 'B' (1934) 52,220 SF
 133,993 SF
 BUILDING (ALTERATION - LEVEL 1)
 AREA 'A' 1,728 SF
 AREA 'B' 1,728 SF
 BUILDING (ALTERATION - LEVEL 2)
 AREA 'A' 11,707 SF
 AREA 'B' 6,541 SF
 20,228 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 WIND) 3 STORIES
 *PERMITTED BUILDING HEIGHT (TABLE 603)
 GROUP E (TYPE IIB) = 2 STORIES, 55 FT
 (TYPE IIA) = 3 STORIES, 65 FT
 EXISTING BUILDING IS AN EXISTING NON-COMPLYING 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)

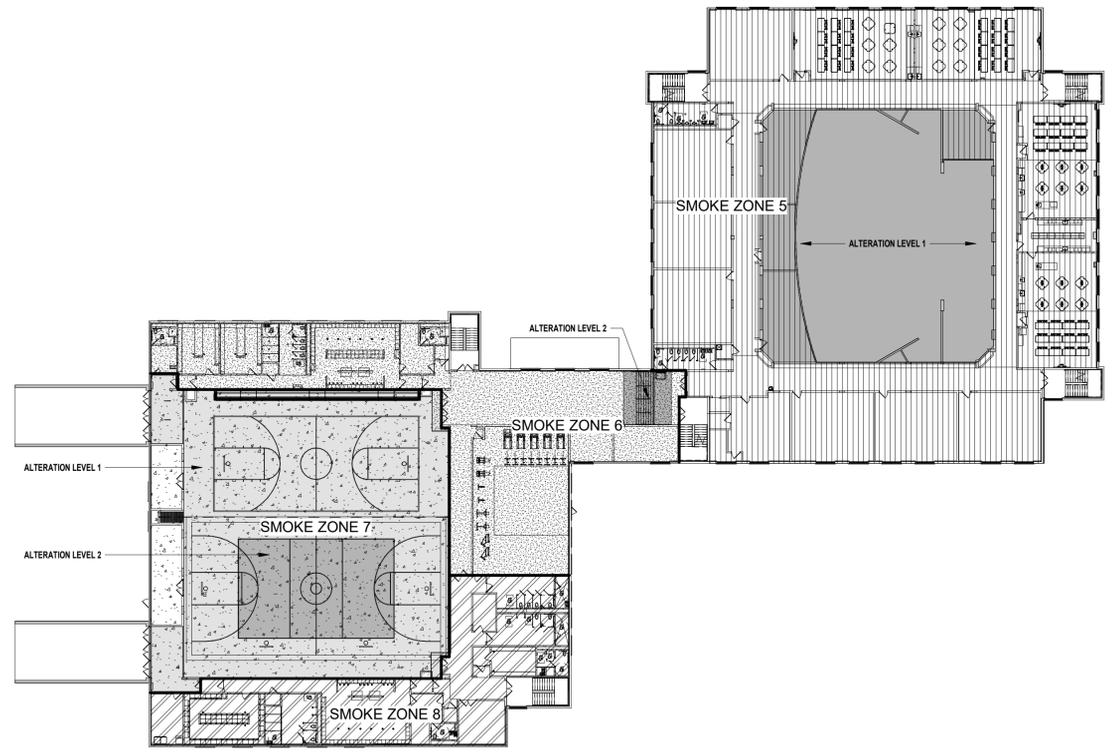
VI. FIRE CODE
 *AUTOMATIC SPRINKLER SYSTEM REQUIRED THROUGHOUT FOR ALL FIRE AREAS GREATER THAN 20,000 SQUARE FEET AS PER SECTION 903.2.2 OF THE BUILDING CODE OF NEW YORK STATE. HOWEVER, THIS IS AN EXISTING NON-COMPLIANT CONDITION UNDERGOING ONLY MINOR ALTERATIONS AS PER SECTION 604.2.2 OF THE EXISTING 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 503 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

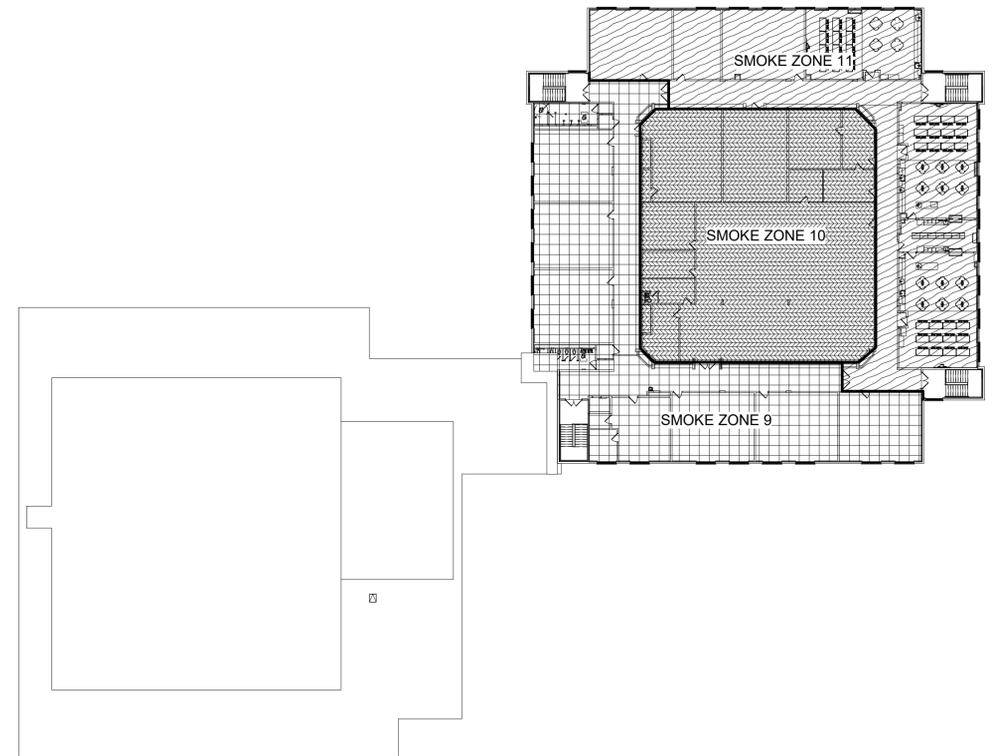
OCCUPANT CALCULATION	
AREA	OCCUPANTS
FIRST FLOOR AREA A	
ASSEMBLY	796
BUSINESS	50
EDUCATION	182
FIRST FLOOR AREA B	
ASSEMBLY	532
BUSINESS	0
EDUCATION	236
SECOND FLOOR AREA A	
ASSEMBLY	0
BUSINESS	0
EDUCATION	398
SECOND FLOOR AREA B	
ASSEMBLY	800
BUSINESS	0
EDUCATION	64
THIRD FLOOR AREA A	
ASSEMBLY	100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



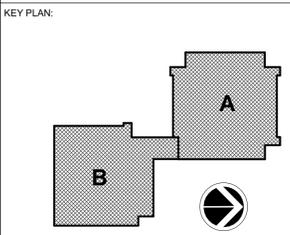
1 FIRE AREAS - FIRST FLOOR
 SCALE: 1/32" = 1'-0"



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



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



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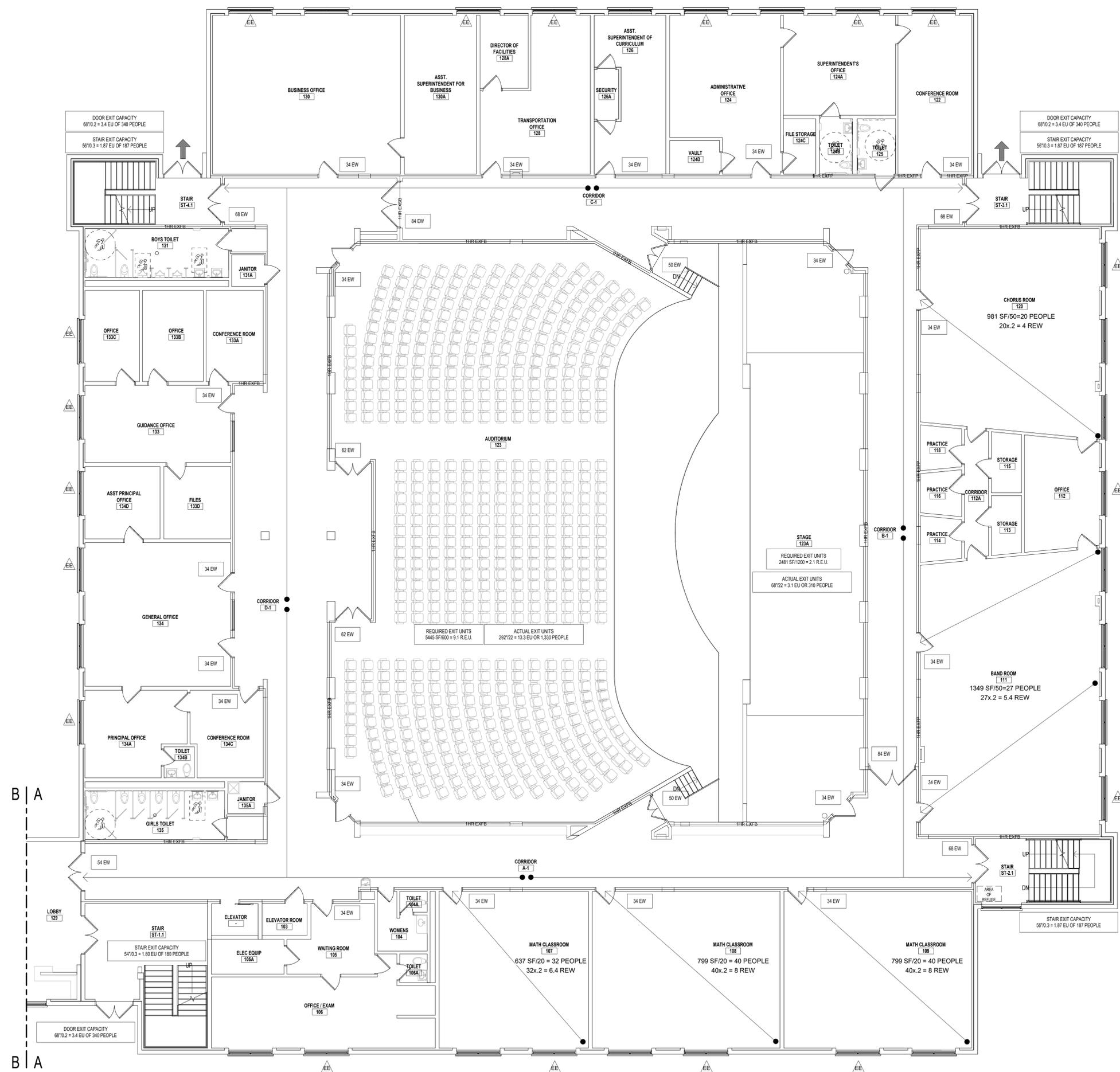
REV	DATE	DESCRIPTION

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

BUILDING AREA AND FIRE AREA PLANS

SHEET NUMBER
CC-100

9/8/2021 10:02:25 AM



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

CODE COMPLIANCE LEGEND

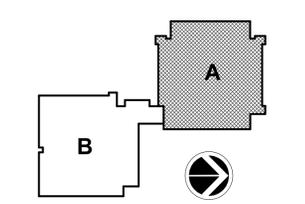
- AREA OF ALTERATIONS - LEVEL 1 (CHAPTER 6)
 - AREA OF ALTERATIONS - LEVEL 2 (CHAPTER 7)
 - EXISTING EGRESS WINDOW
 - EGRESS WINDOW
 - 34 EW
 - EXIT WIDTH PROVIDED
 - TRAVEL PATH TO EXIT
 - FEC
 - FIRE EXTINGUISHER CABINET
 - FE
 - FIRE EXTINGUISHER
 - FB
 - FIRE BLANKET
 - DF
 - DRINKING FOUNTAIN
 - AREA OF REFUGE
 - 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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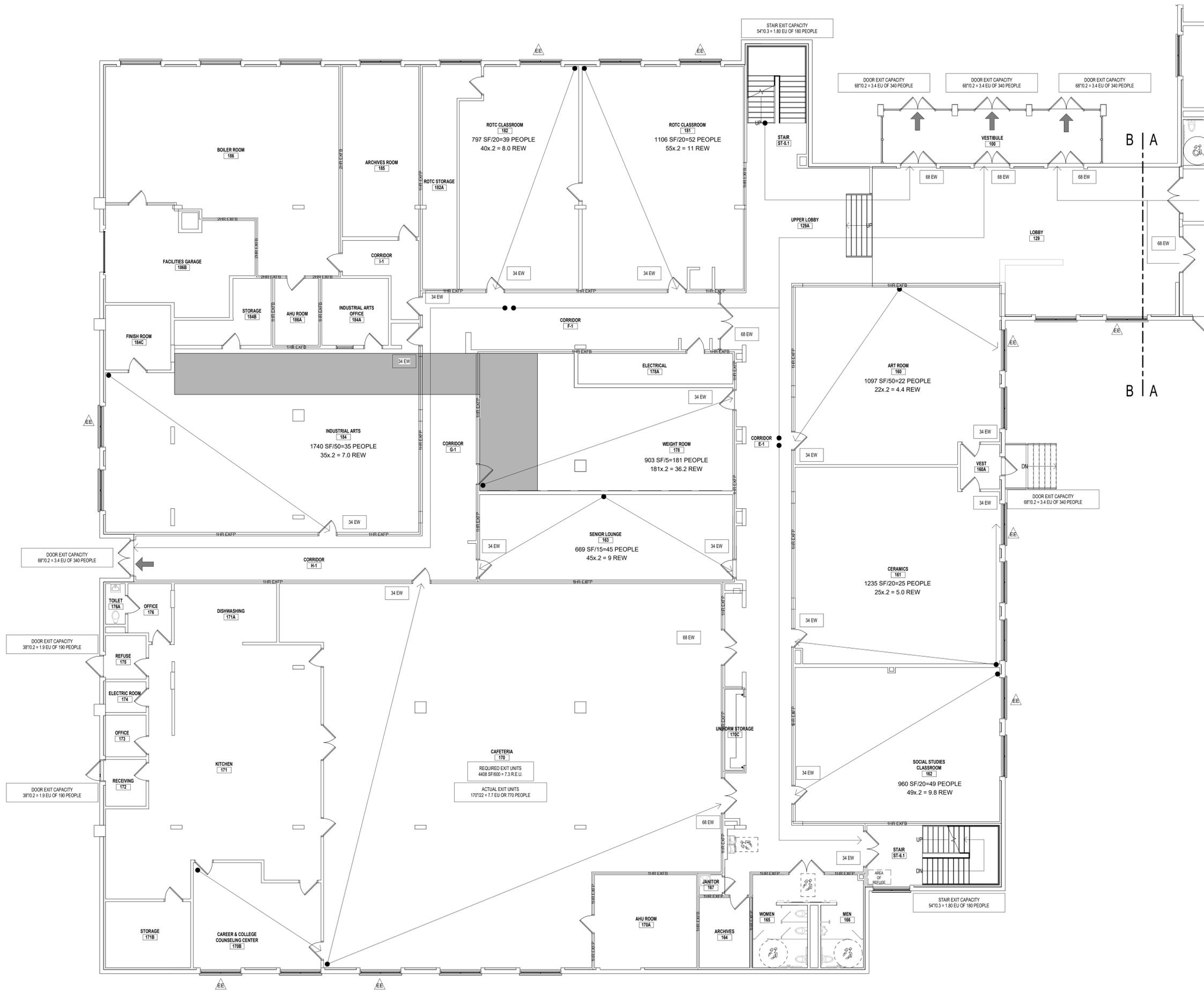
REV	DATE	DESCRIPTION

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

OCCUPANCY & EGRESS - FIRST FLOOR AREA A

SHEET NUMBER
CC-101

9/8/2021 10:04:27 AM



1 OCCUPANCY & EGRESS PLAN - FIRST 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
- 34 EW
- TRAVEL PATH TO EXIT
- FE
- FE
- FB
- DF
- AREA OF REFUGE
- EXIT

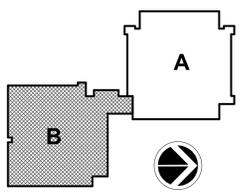
* PREFIX "N" REPRESENT NEW, CONTRACTOR TO PROVIDE & INSTALL
* PREFIX "E" REPRESENT EXISTING TO REMAIN

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

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KEY PLAN:



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REV	DATE	DESCRIPTION

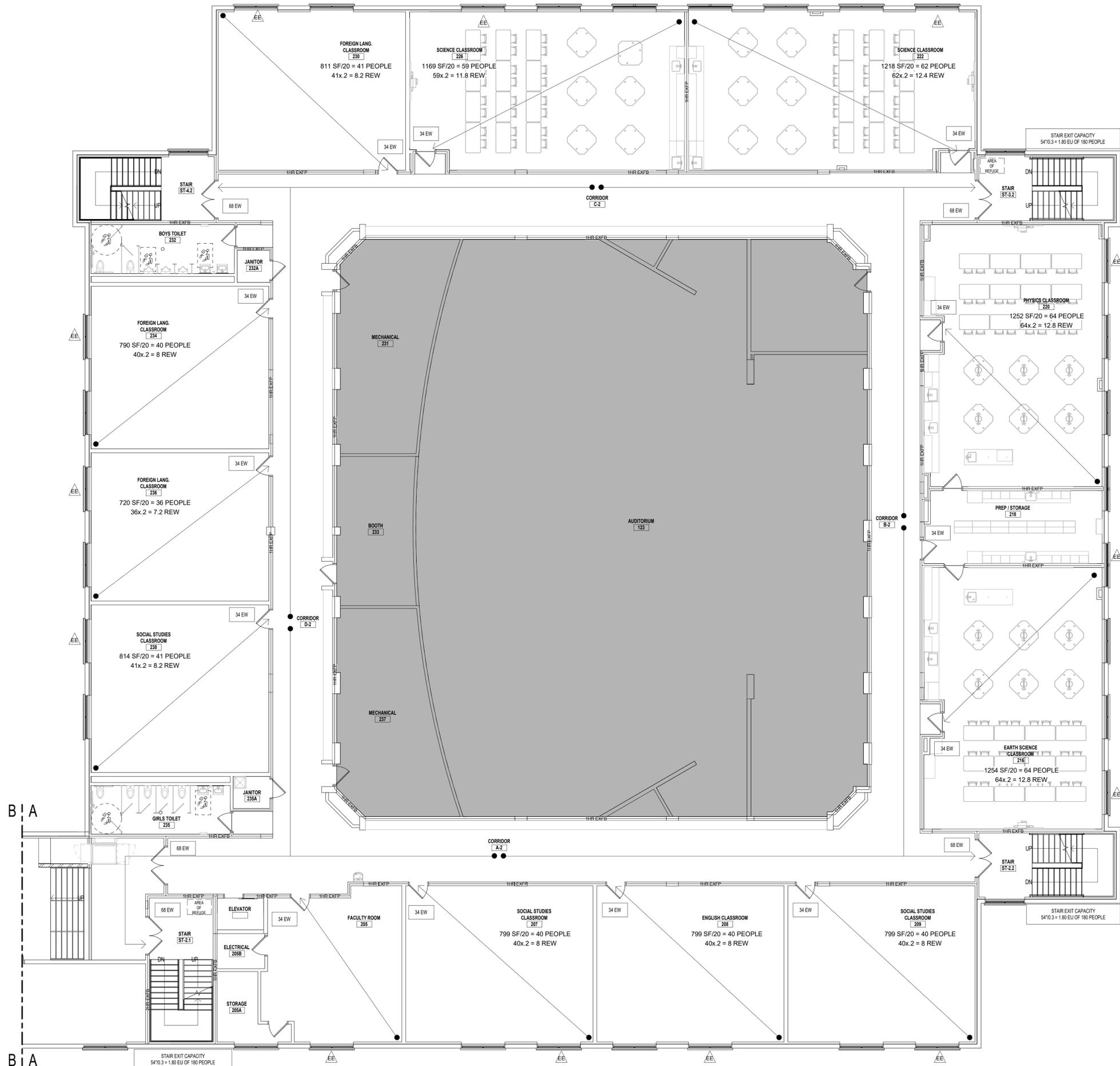
DRAWN BY NPB	PROJECT NUMBER 2020-117
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OCCUPANCY & EGRESS - FIRST FLOOR AREA B

SHEET NUMBER
CC-102

9/8/2021 10:05:15 AM

9/8/2021 10:06:43 AM



1 OCCUPANCY & EGRESS PLAN - SECOND 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

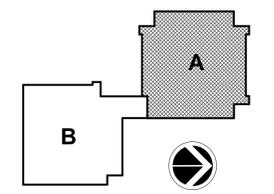
* PREFIX "N" REPRESENT NEW, CONTRACTOR TO PROVIDE & INSTALL
* PREFIX "E" REPRESENT EXISTING TO REMAIN

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

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KEY PLAN:



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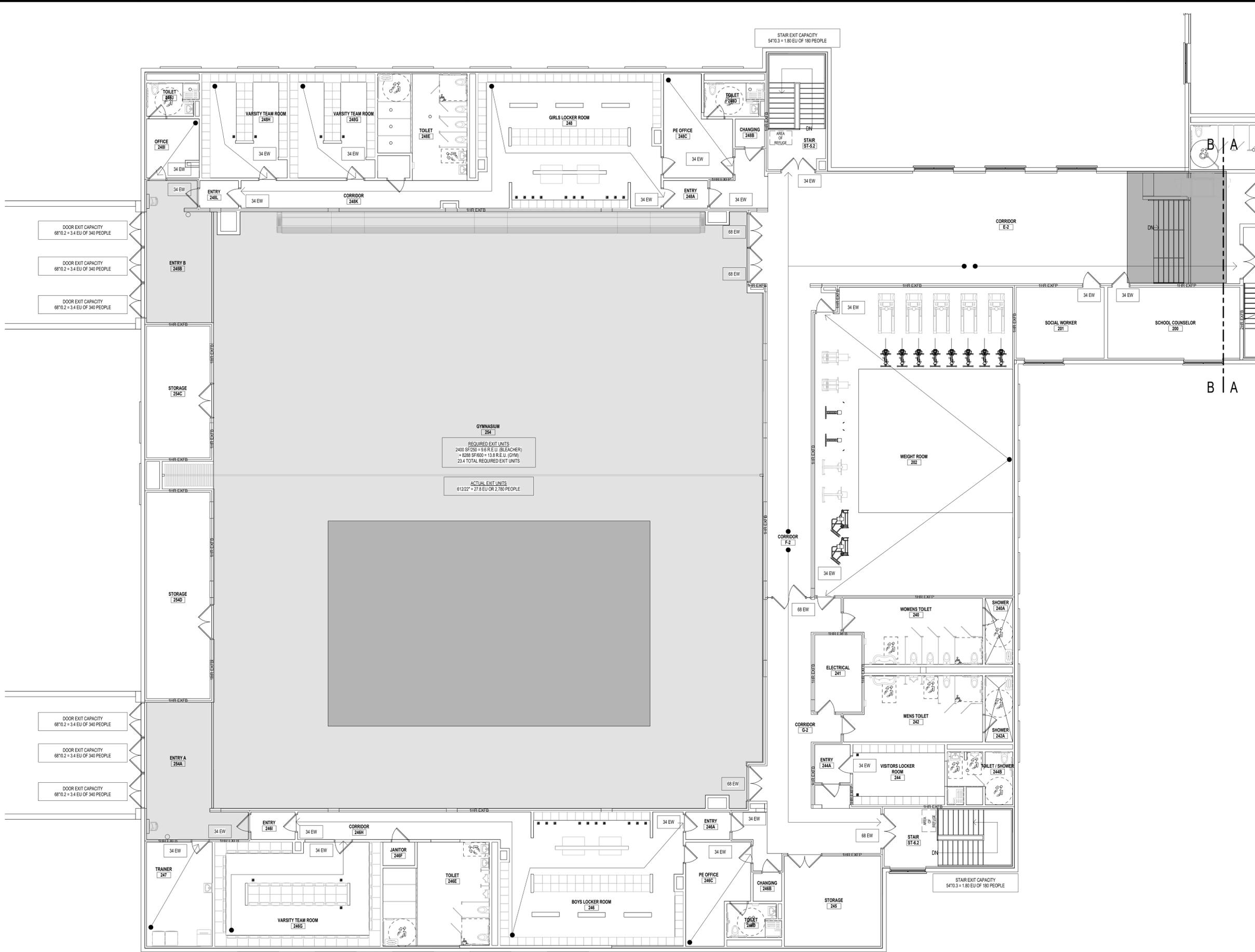
REV	DATE	DESCRIPTION

DRAWN BY NPB	PROJECT NUMBER 2020-117
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OCCUPANCY & EGRESS - SECOND FLOOR AREA A

SHEET NUMBER
CC-103

9/8/2021 10:07:33 AM



CODE COMPLIANCE LEGEND

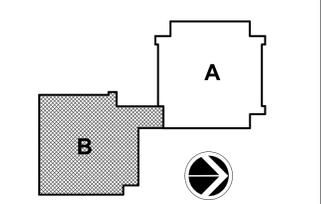
- AREA OF ALTERATIONS - LEVEL 1 (CHAPTER 6)
 - AREA OF ALTERATIONS - LEVEL 2 (CHAPTER 7)
 - EXISTING EGRESS WINDOW
 - EGRESS WINDOW
 - EXIT WIDTH PROVIDED
 - TRAVEL PATH TO EXIT
 - FIRE EXTINGUISHER CABINET
 - FIRE EXTINGUISHER
 - FIRE BLANKET
 - DRINKING FOUNTAIN
 - AREA OF REFUGE
 - EXIT
- * PREFIX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

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

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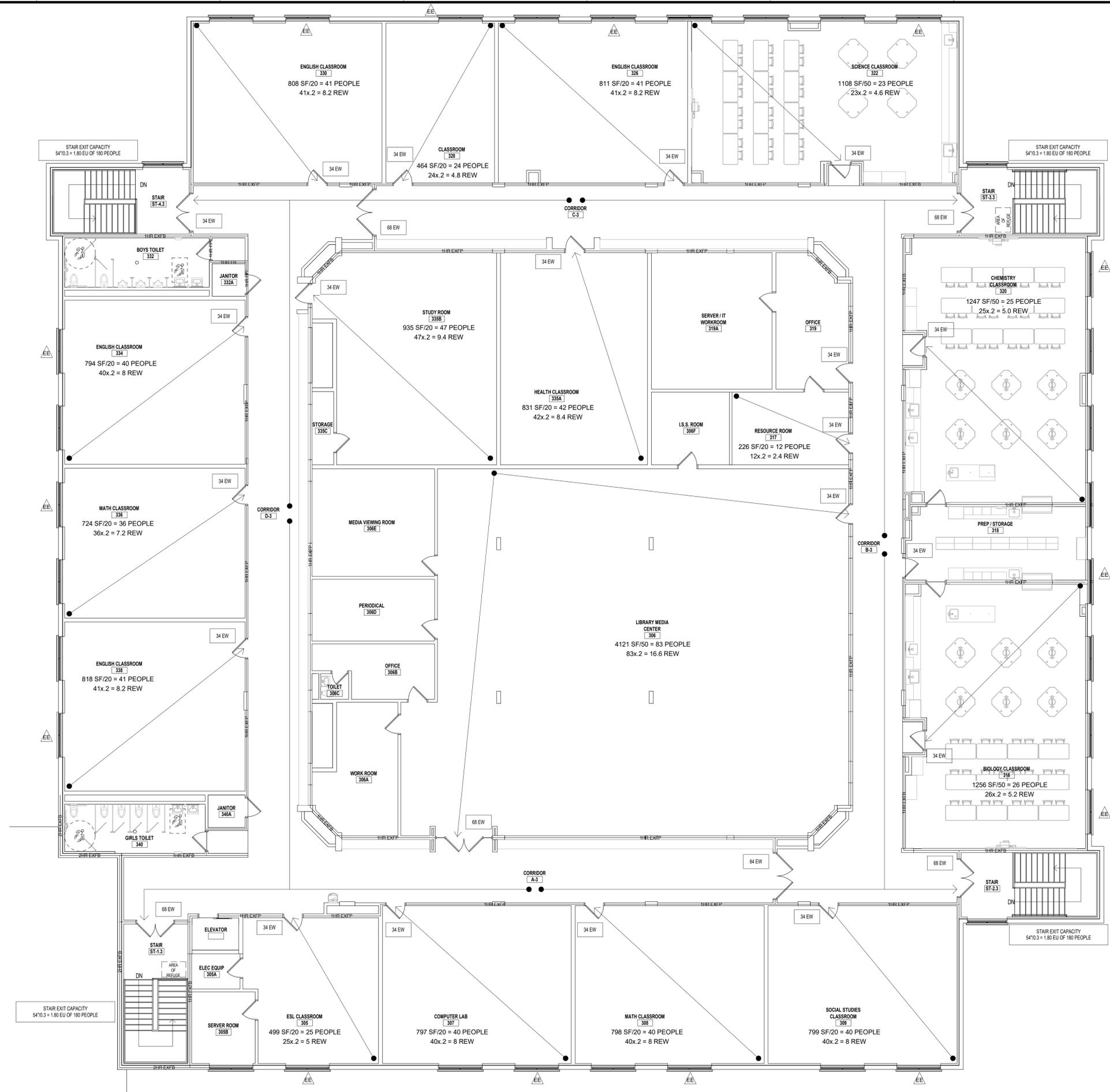
REV	DATE	DESCRIPTION

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

OCCUPANCY & EGRESS - SECOND FLOOR AREA B

SHEET NUMBER
CC-104

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

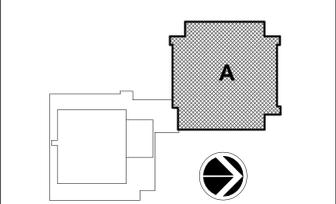
*PREFIX "N" REPRESENT NEW, CONTRACTOR TO PROVIDE & INSTALL
 *PREFIX "E" REPRESENT EXISTING TO REMAIN

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.

KEY PLAN:



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REV	DATE	DESCRIPTION

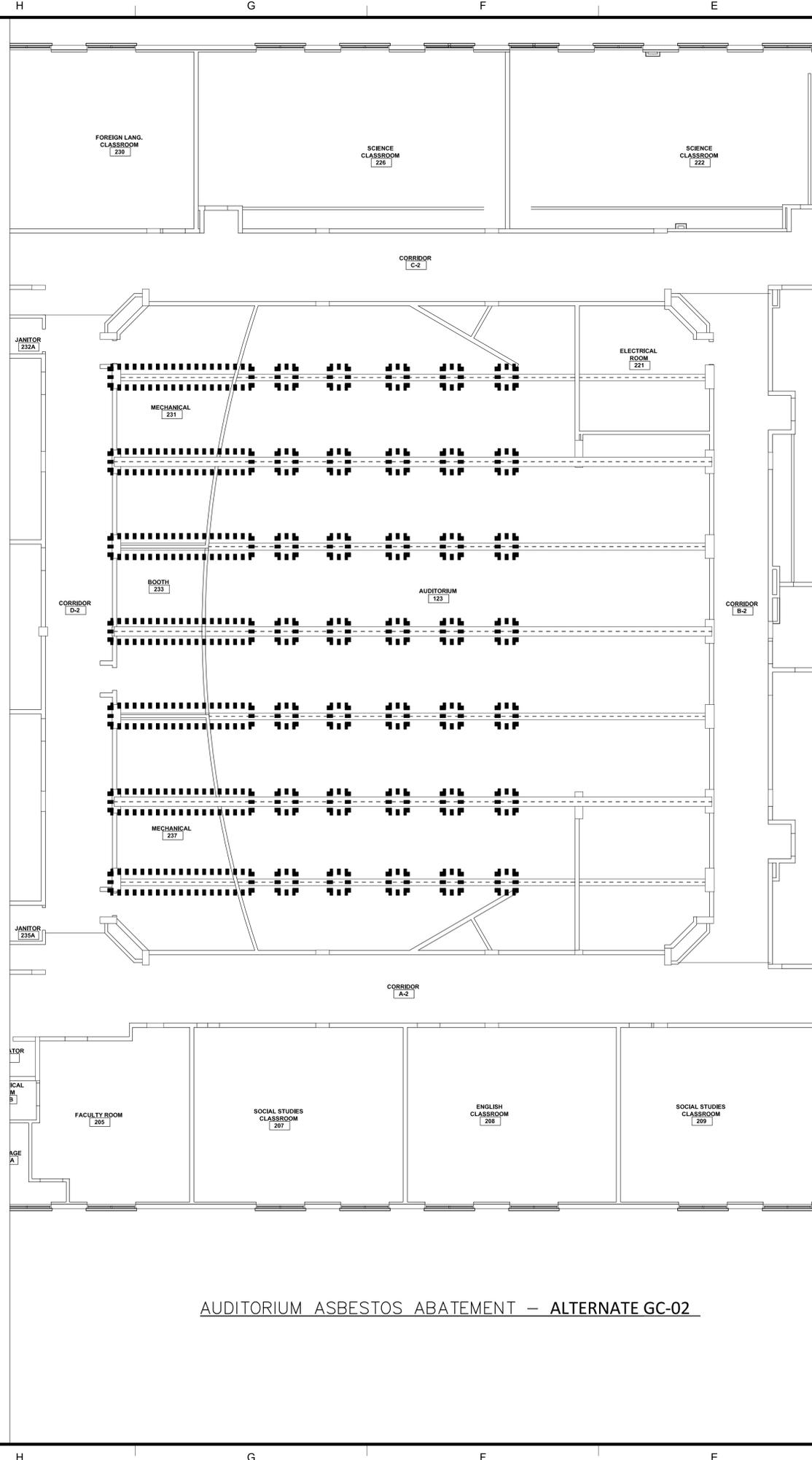
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CHECKED BY JAS	DATE REBID 09.10.2021

OCCUPANCY & EGRESS - THIRD FLOOR AREA A

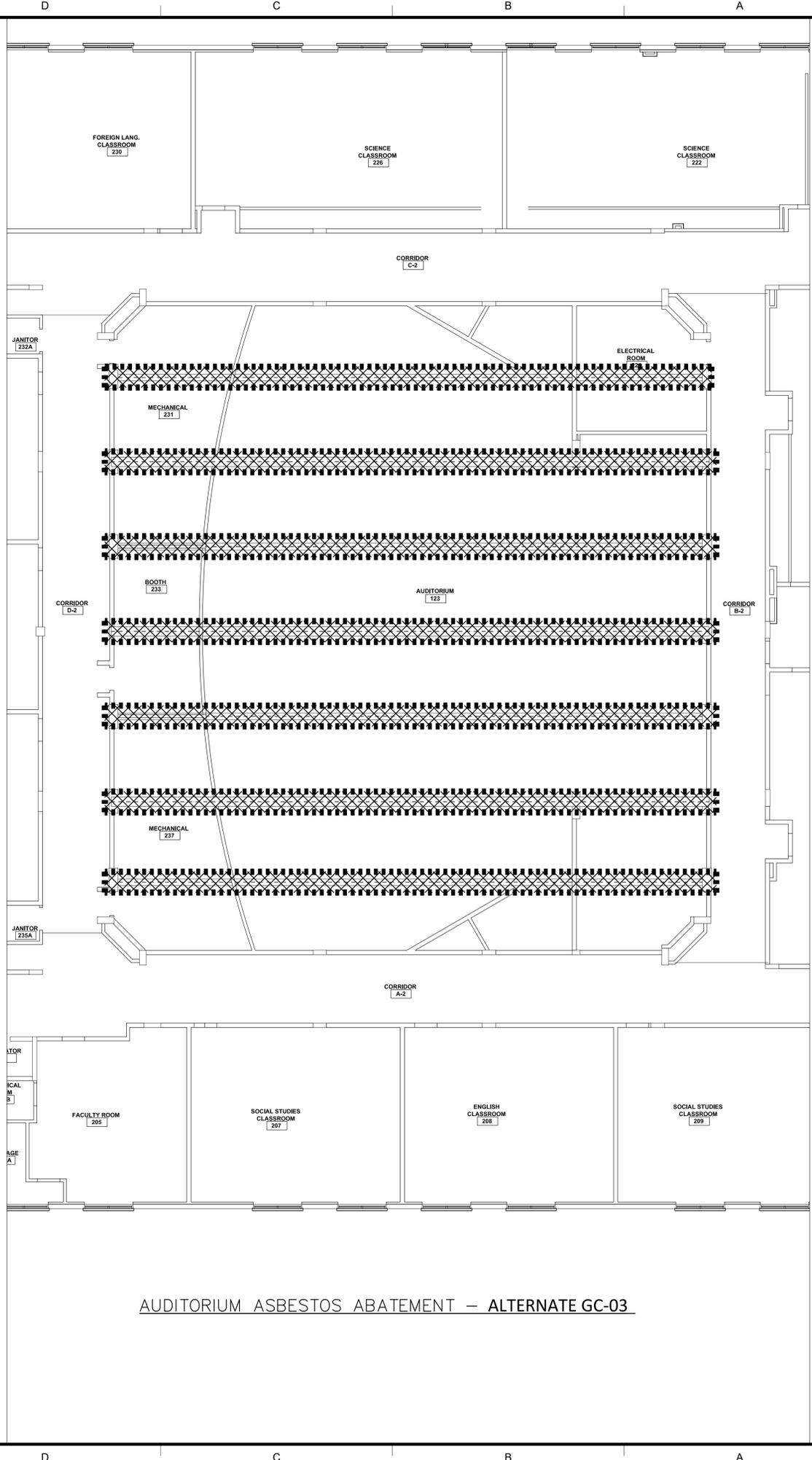
SHEET NUMBER
CC-105

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

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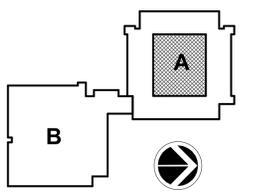


AUDITORIUM ASBESTOS ABATEMENT — ALTERNATE GC-02



AUDITORIUM ASBESTOS ABATEMENT — ALTERNATE GC-03

KEY PLAN:



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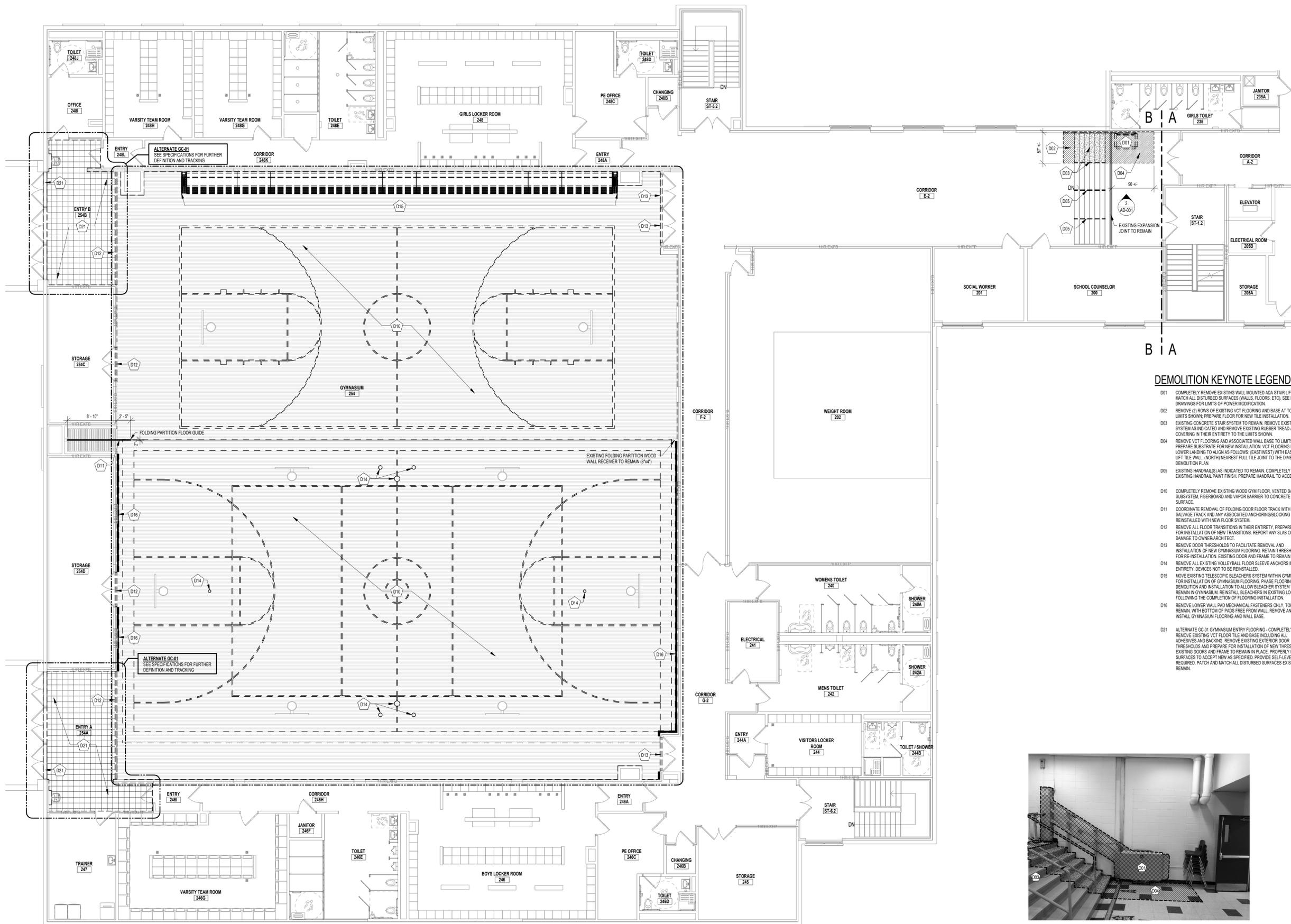
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DRAWN BY NFB	PROJECT NUMBER 2020-117
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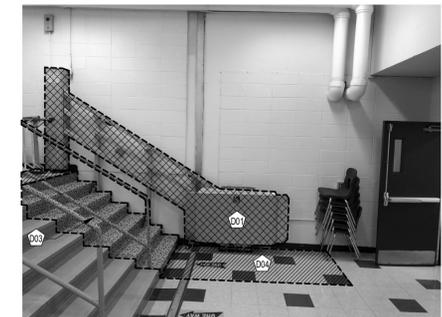
ASBESTOS ABATEMENT PLAN - AREA A

SHEET NUMBER
HM-100

9/8/2021 9:58:48 AM



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



2 DEMOLITION REFERENCE PHOTO
SCALE: 1/2" = 1'-0"

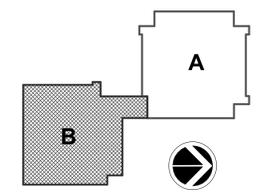
GENERAL DEMOLITION NOTES:

- A. PREPARING WALLS, FLOOR AND CEILING FOR NEW FINISHES MEANS INFILLING ALL HOLES, CRACKS AND IMPERFECTIONS, WHETHER NEW OR EXISTING, FOR A SMOOTH FINISH APPEARANCE.
- B. 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.
- C. 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.
- D. SEE SHEET G-01 FOR GENERAL NOTES REGARDING DEMOLITION AND LIFE SAFETY.
- E. 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.
- F. NOTES ON ONE DRAWING SHALL APPLY TO ALL SIMILAR DRAWINGS OR DETAILS, UNLESS NOTED OTHERWISE.
- G. CAULK JOINTS WHERE INDICATED ON DRAWINGS AS WELL AS ALL JOINTS BETWEEN DISSIMILAR MATERIALS.
- H. 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.
- I. 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.
- J. 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.
- K. COORDINATE WORK WITH EC. PENETRATIONS THROUGH THE WALLS AND FLOORS ARE TO BE PERFORMED BY THE GENERAL CONTRACTOR.
- L. 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.

DEMOLITION KEYNOTE LEGEND

- D01 COMPLETELY REMOVE EXISTING WALL MOUNTED ADA STAIR LIFT. PATCH AND MATCH ALL DISTURBED SURFACES (WALLS, FLOORS, ETC.) SEE ELECTRICAL DRAWINGS FOR LIMITS OF POWER MODIFICATION.
- D02 REMOVE (2) ROWS OF EXISTING VCT FLOORING AND BASE AT TOP LANDING TO LIMITS SHOWN. PREPARE FLOOR FOR NEW TILE INSTALLATION.
- D03 EXISTING CONCRETE STAIR SYSTEM TO REMAIN. REMOVE EXISTING RAILING SYSTEM AS INDICATED AND REMOVE EXISTING RUBBER TREAD AND RISER COVERING IN THEIR ENTIRETY TO THE LIMITS SHOWN.
- D04 REMOVE VCT FLOORING AND ASSOCIATED WALL BASE TO LIMITS SHOWN AND PREPARE SUBSTRATE FOR NEW INSTALLATION. VCT FLOORING REMOVAL ON LOWER LANDING TO ALIGN AS FOLLOWS: (EAST WEST) WITH EAST EDGE OF NEW LEFT TILE WALL, (NORTH NEAREST FULL TILE JOINT) TO THE DIMENSION NOTED ON DEMOLITION PLAN.
- D05 EXISTING HANDRAIL(S) AS INDICATED TO REMAIN. COMPLETELY REMOVE EXISTING HANDRAIL PAINT FINISH. PREPARE HANDRAIL TO ACCEPT NEW FINISH.
- D10 COMPLETELY REMOVE EXISTING WOOD GYM FLOOR VENTED BASE, SUBSYSTEM, FIBERBOARD AND VAPOR BARRIER TO CONCRETE SURFACE.
- D11 COORDINATE REMOVAL OF FOLDING DOOR FLOOR TRACK WITH OWNER. SALVAGE TRACK AND ANY ASSOCIATED ANCHORING/BLOCKING TO BE REINSTALLED WITH NEW FLOOR SYSTEM.
- D12 REMOVE ALL FLOOR TRANSITIONS IN THEIR ENTIRETY. PREPARE FLOOR FOR INSTALLATION OF NEW TRANSITIONS. REPORT ANY SLAB OR FLOOR DAMAGE TO OWNER/ARCHITECT.
- D13 REMOVE DOOR THRESHOLDS TO FACILITATE REMOVAL AND INSTALLATION OF NEW GYMNASIUM FLOORING. RETAIN THRESHOLDS FOR RE-INSTALLATION. EXISTING DOOR AND FRAME TO REMAIN IN PLACE.
- D14 REMOVE ALL EXISTING VOLLEYBALL FLOOR SLEEVE ANCHORS IN THEIR ENTIRETY. DEVICES NOT TO BE REINSTALLED.
- D15 MOVE EXISTING TELESCOPIC BLEACHERS SYSTEM WITHIN GYMNASIUM FOR INSTALLATION OF GYMNASIUM FLOORING. PHASE FLOORING DEMOLITION AND INSTALLATION TO ALLOW BLEACHER SYSTEM TO REMAIN IN GYMNASIUM. REINSTALL BLEACHERS IN EXISTING LOCATION FOLLOWING THE COMPLETION OF FLOORING INSTALLATION.
- D16 REMOVE LOWER WALL PAD MECHANICAL FASTENERS ONLY. TOP TO REMAIN WITH BOTTOM OF PADS FREE FROM WALL. REMOVE AND INSTALL GYMNASIUM FLOORING AND WALL BASE.
- D21 ALTERNATE GC-01 GYMNASIUM ENTRY FLOORING - COMPLETELY REMOVE EXISTING VCT FLOOR TILE AND BASE INCLUDING ALL ADHESIVES AND BACKING. REMOVE EXISTING EXTERIOR DOOR THRESHOLDS AND PREPARE FOR INSTALLATION OF NEW THRESHOLDS. EXISTING DOORS AND FRAME TO REMAIN IN PLACE. PROPERLY PREPARE SURFACES TO ACCEPT NEW AS SPECIFIED. PROVIDE SELF-LEVELER AS REQUIRED. PATCH AND MATCH ALL DISTURBED SURFACES EXISTING TO REMAIN.

KEY PLAN:



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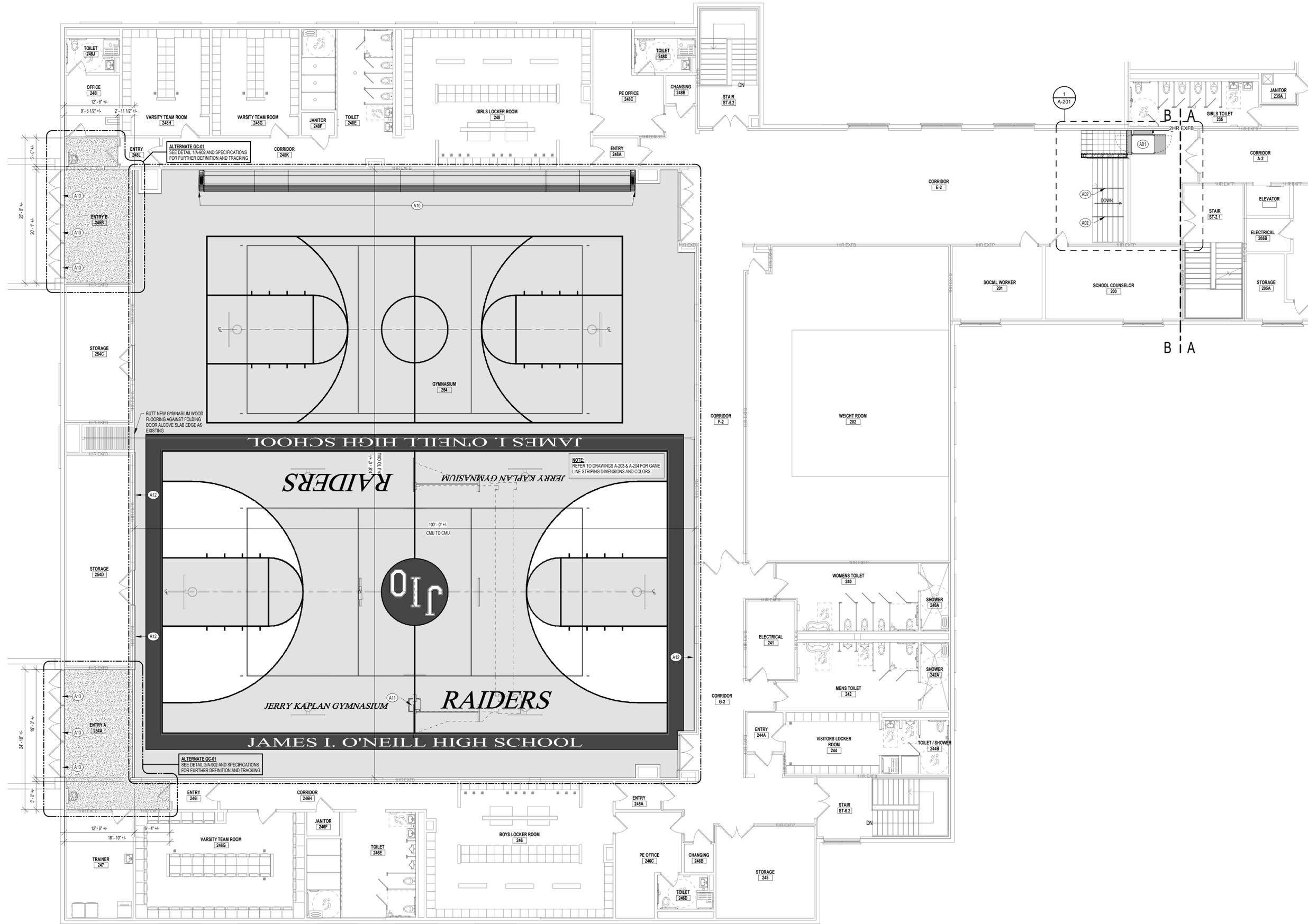
JAMES I. O'NEILL RENOVATION PROJECT
HIGHLAND FALLS - FORT MONTGOMERY CSD
JAMES I. O'NEILL HIGH SCHOOL
HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

REV	DATE	DESCRIPTION

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

DEMOLITION PLAN - SECOND FLOOR AREA B

SHEET NUMBER
AD-001



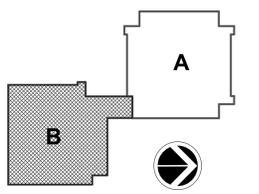
GENERAL FLOOR PLAN NOTES:

- A. PREPARING WALLS, FLOOR AND CEILING FOR NEW FINISHES MEANS INFILLING ALL HOLES, CRACKS AND IMPERFECTIONS FOR A SMOOTH FINISH APPEARANCE.
- B. SEE SHEET A1-902 FOR ROOM FINISH SCHEDULE.
- C. ALL WALLS / PARTITIONS ARE DIMENSIONED TO NOMINAL FACE OF MASONRY OR FACE OF METAL STUD.
- D. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS. REFER TO "A" SERIES DRAWINGS FOR DIMENSIONS REQUIRED. CRITICAL DIMENSIONS SHALL BE FIELD VERIFIED OR OBTAINED FROM THE ARCHITECT.
- E. NOTES ON ONE DRAWING OR DETAIL APPLY TO ALL SIMILAR DRAWINGS OR DETAILS.
- F. CALK ALL JOINTS WHERE INDICATED ON DRAWINGS AS WELL AS ALL JOINTS BETWEEN DISSIMILAR MATERIALS.
- G. AT ALL PENETRATIONS INSTALL WHOLE BLOCK TO MATCH EXISTING STACKED BLOCK PATTERN. PAINT TO MATCH SURROUNDING SURFACES.

RENOVATION KEYNOTE LEGEND

- A01 PROVIDE AND INSTALL NEW ADA WHEELCHAIR LIFT. SEE BLOW-UP PLAN FOR MORE INFORMATION.
- A02 CLEAN AND REPAINT EXISTING HANDRAIL(S) AS INDICATED TO MATCH FINISH OF NEW WALL MOUNTED HANDRAIL. SEE SPECIFICATIONS FOR MORE INFORMATION.
- A10 REINSTALL EXISTING TELESCOPIC BLEACHERS SYSTEM IN THE SAME LOCATION WHERE PREVIOUSLY REMOVED DURING DEMOLITION PHASE.
- A11 INSTALL NEW RETRACTABLE VOLLIGALL NET SYSTEM ABOVE. SEE REFLECTED CEILING PLANS AND DETAILS FOR MORE INFORMATION.
- A12 FOLLOWING INSTALLATION OF GYMNASIUM FLOORING, REATTACH WALL PADS AFTER FLOORING BASE IS INSTALLED IN THE SAME MANNER THEY WERE ORIGINALLY INSTALLED.
- A13 PREPARE FRAMES AND FLOOR SYSTEM AND INSTALL NEW EXTERIOR DOOR THRESHOLDS TO MATCH EXISTING IN TYPE AND MATERIAL. DOORS AND FRAMES TO REMAIN IN PLACE.

KEY PLAN:



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HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

REV	DATE	DESCRIPTION

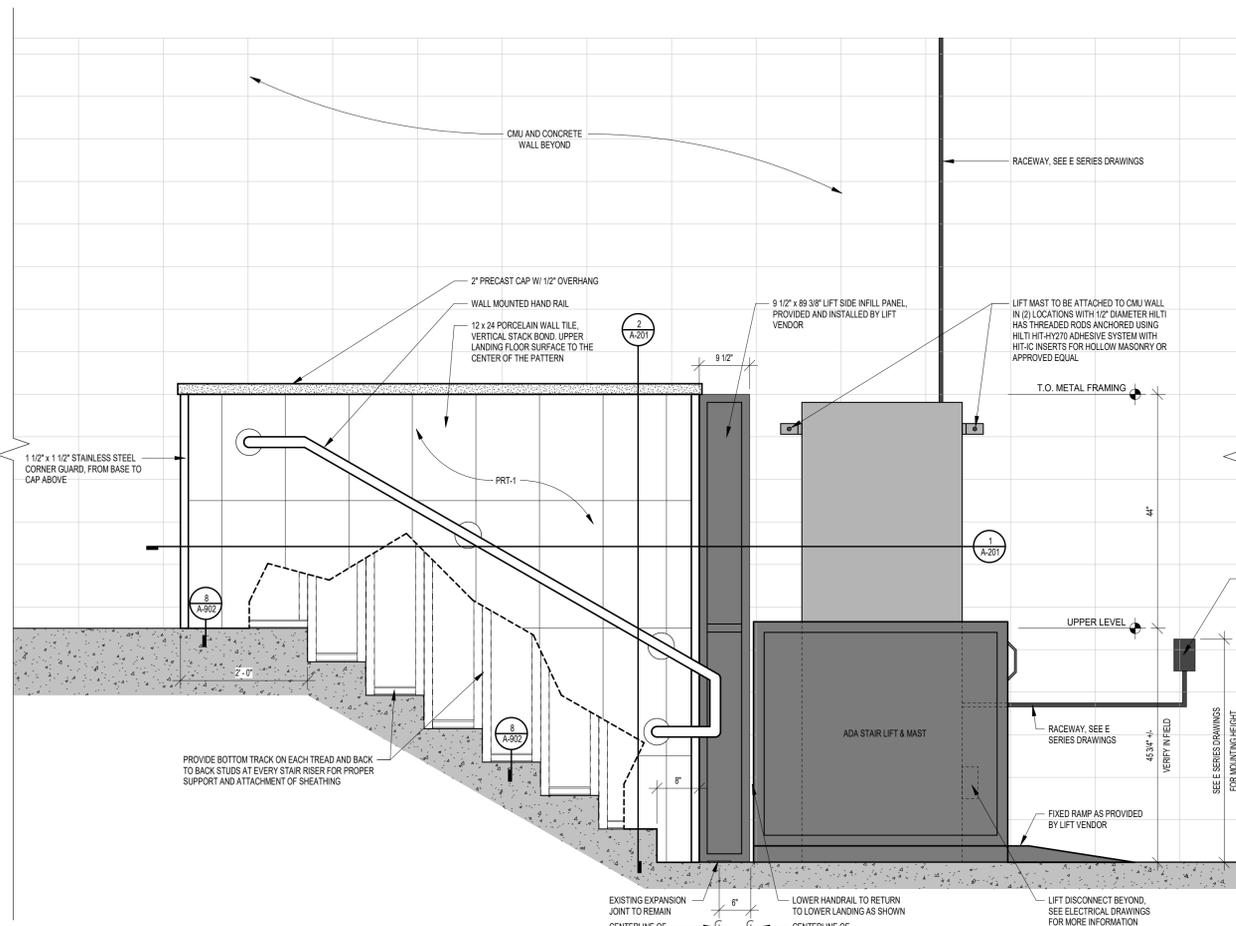
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CHECKED BY: JAS DATE: REBID 09.10.2021

SECOND FLOOR PLAN - AREA B

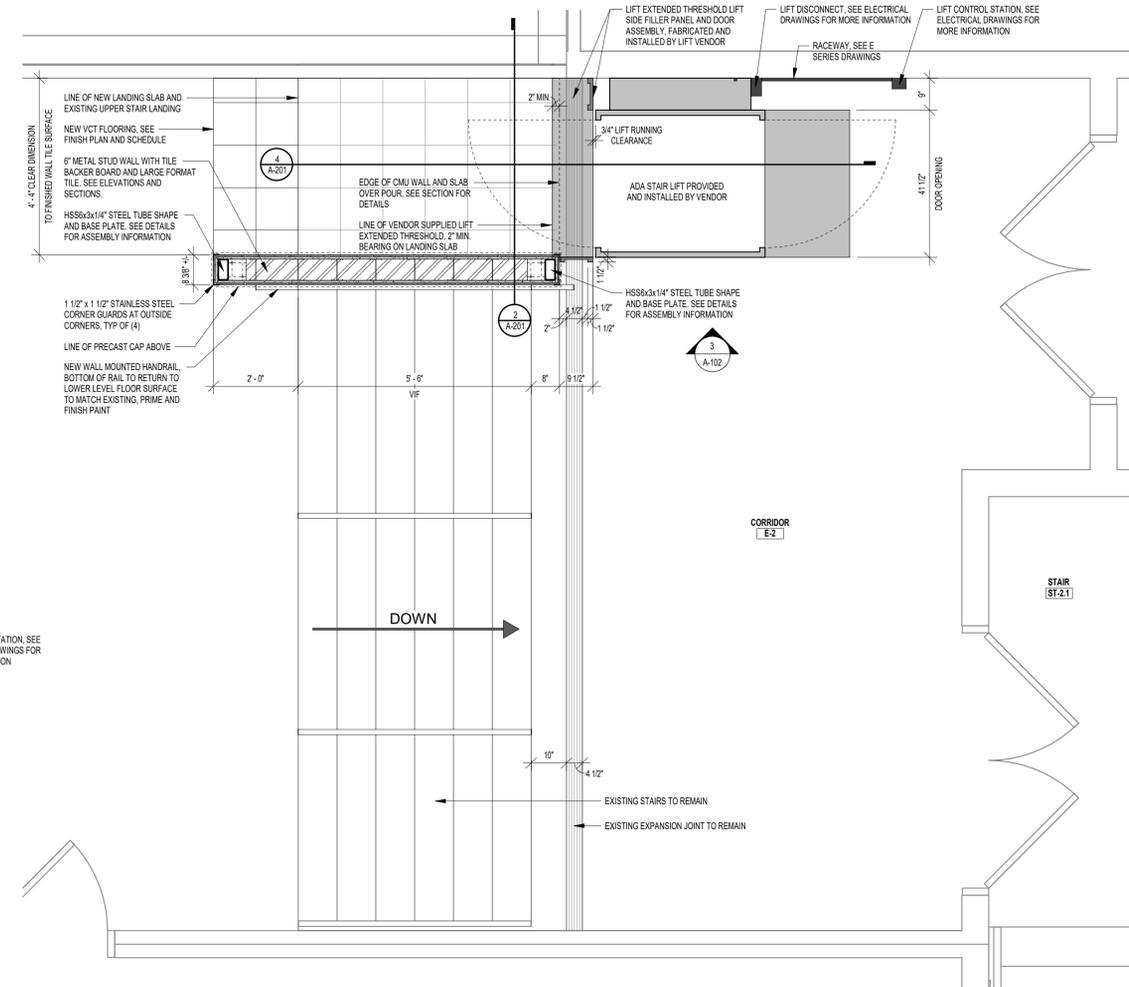
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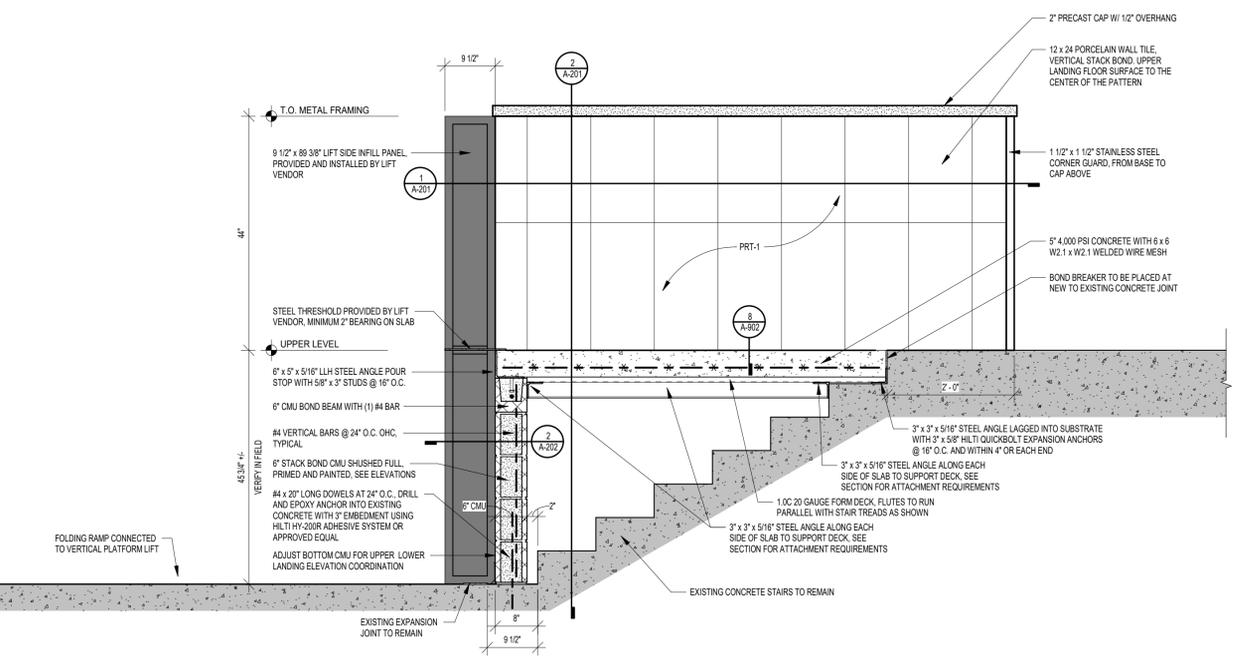
1 SECOND FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"



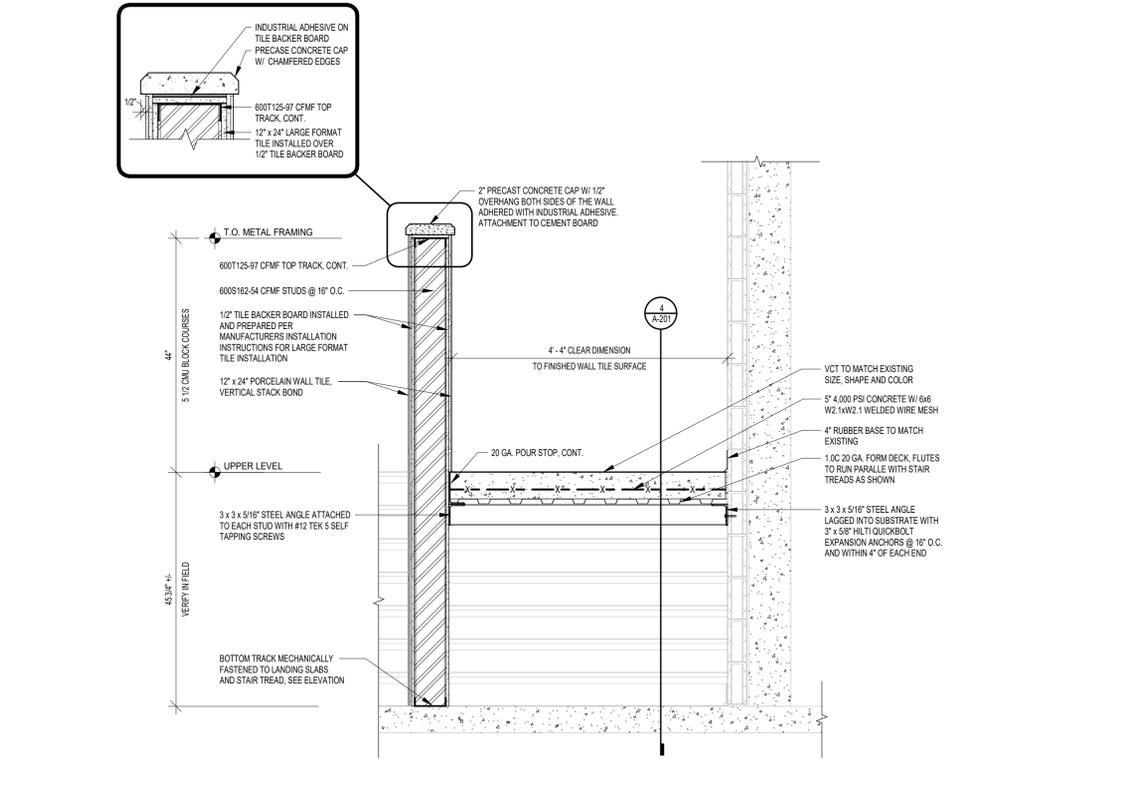
3 STAIR / VERTICAL PLATFORM ELEVATION
SCALE: 3/4" = 1'-0"



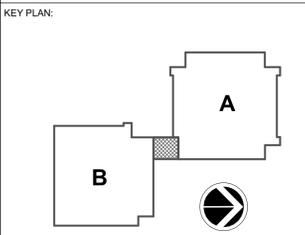
1 ENLARGED FLOOR PLAN - VERTICAL LIFT
SCALE: 1/2" = 1'-0"



4 STAIR / VERTICAL PLATFORM INFILL SECTION
SCALE: 3/4" = 1'-0"



2 STAIR / VERTICAL PLATFORM INFILL SECTION
SCALE: 3/4" = 1'-0"



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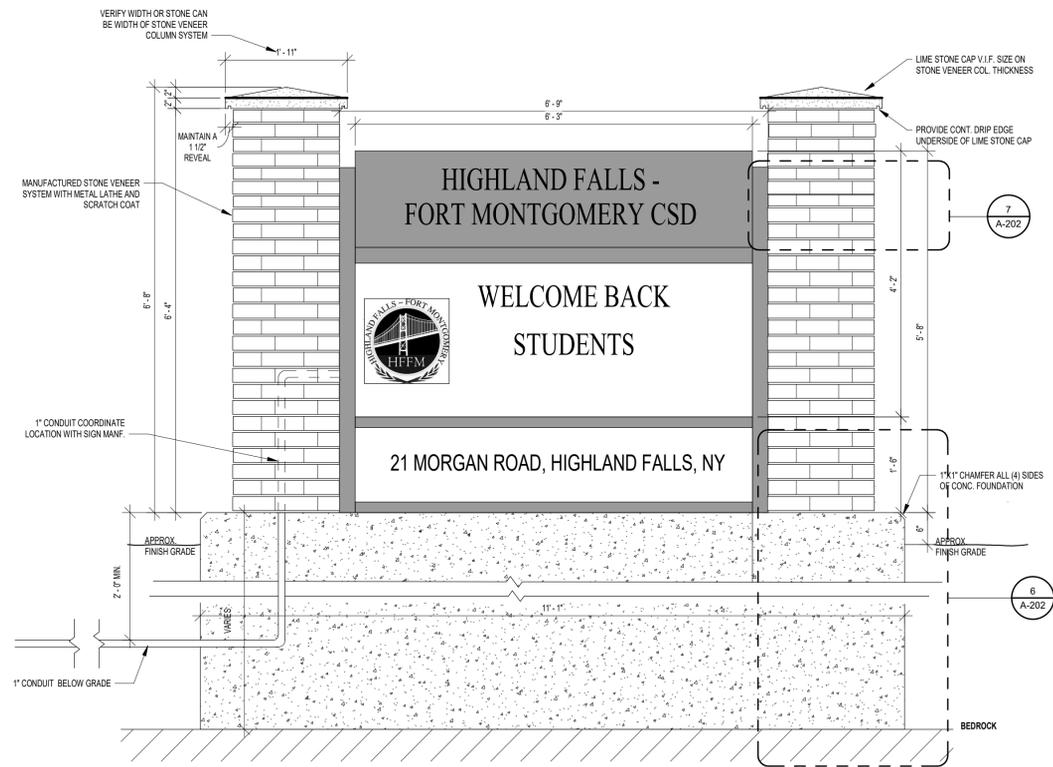
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PROJECT NUMBER: 2020-117
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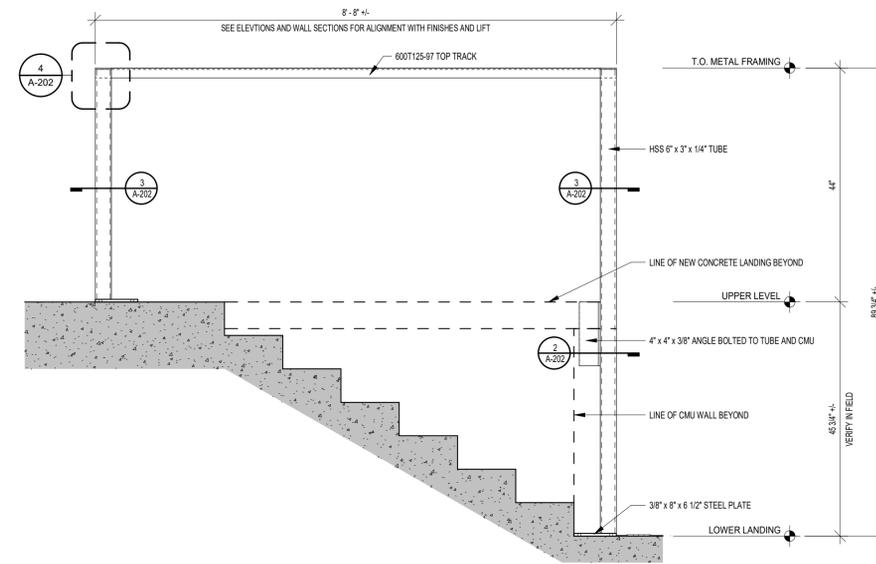
ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS - NEW LIFT
SHEET NUMBER

A-201

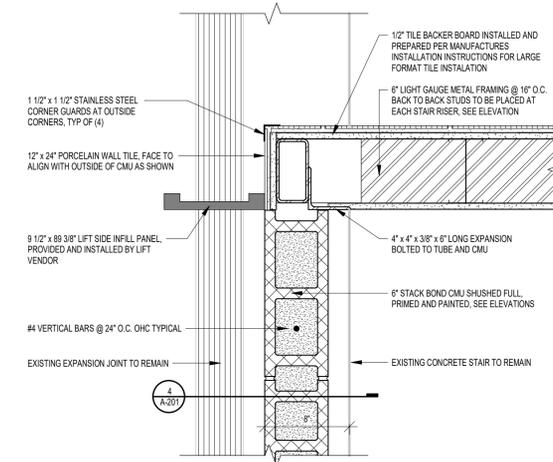
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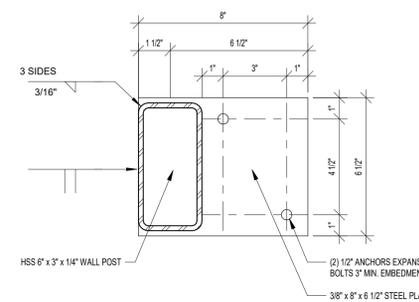
5 MARQUEE ELEVATION
SCALE: 3/4" = 1'-0"



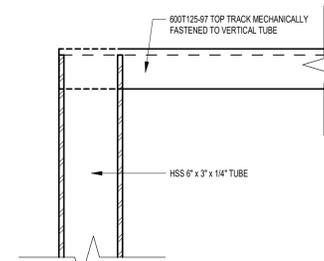
1 LIFT WALL CONNECTION DETAIL
SCALE: 3/4" = 1'-0"



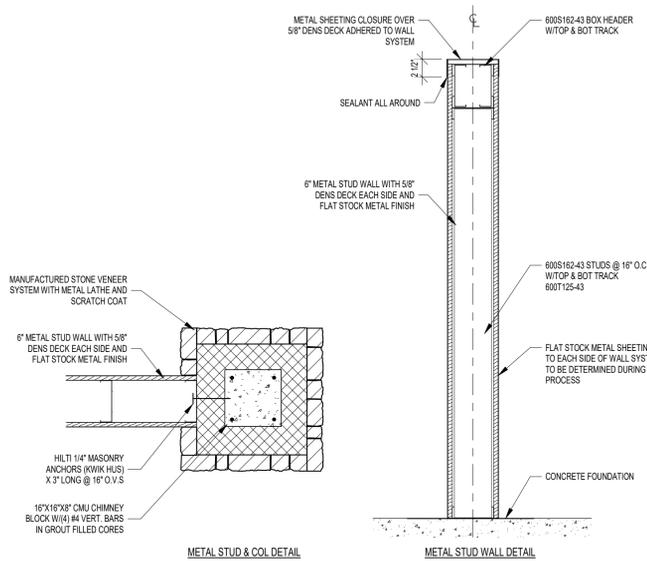
2 LGMF / CMU INTERFACE
SCALE: 1 1/2" = 1'-0"



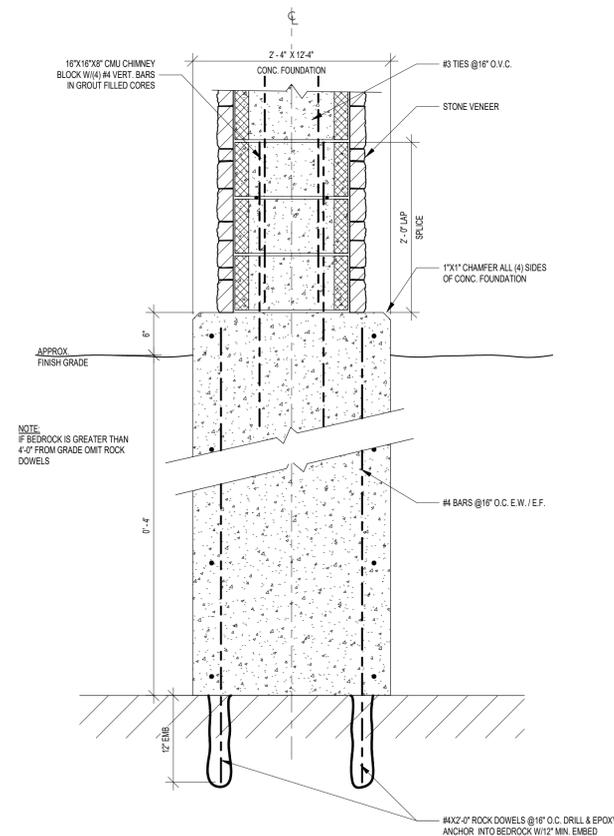
3 TUBE STEEL CONNECTION DETAIL
SCALE: 3" = 1'-0"



4 TUBE STEEL / TOP TRACK DETAIL
SCALE: 3" = 1'-0"



7 MARQUEE WALL DETAILS
SCALE: 1" = 1'-0"



6 MARQUEE FOUNDATION DETAILS
SCALE: 1" = 1'-0"

KEY PLAN:

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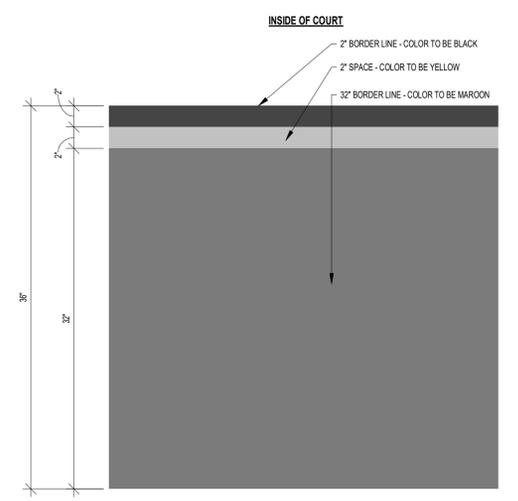
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CHECKED BY JAS	DATE REBID 09.10.2021

LIFT LANDING STEEL STRUCTURE
AND MARQUEE SIGN DETAILS

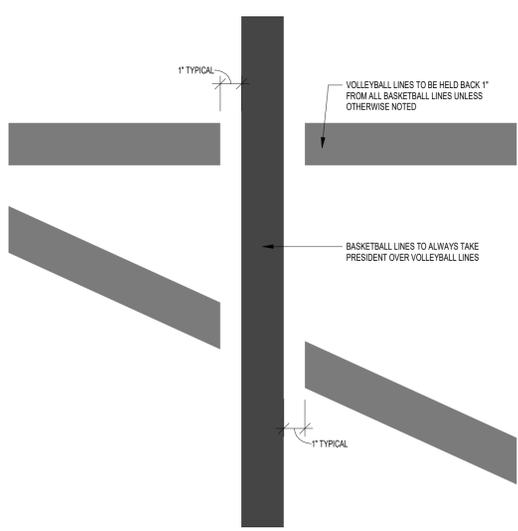
SHEET NUMBER

A-202

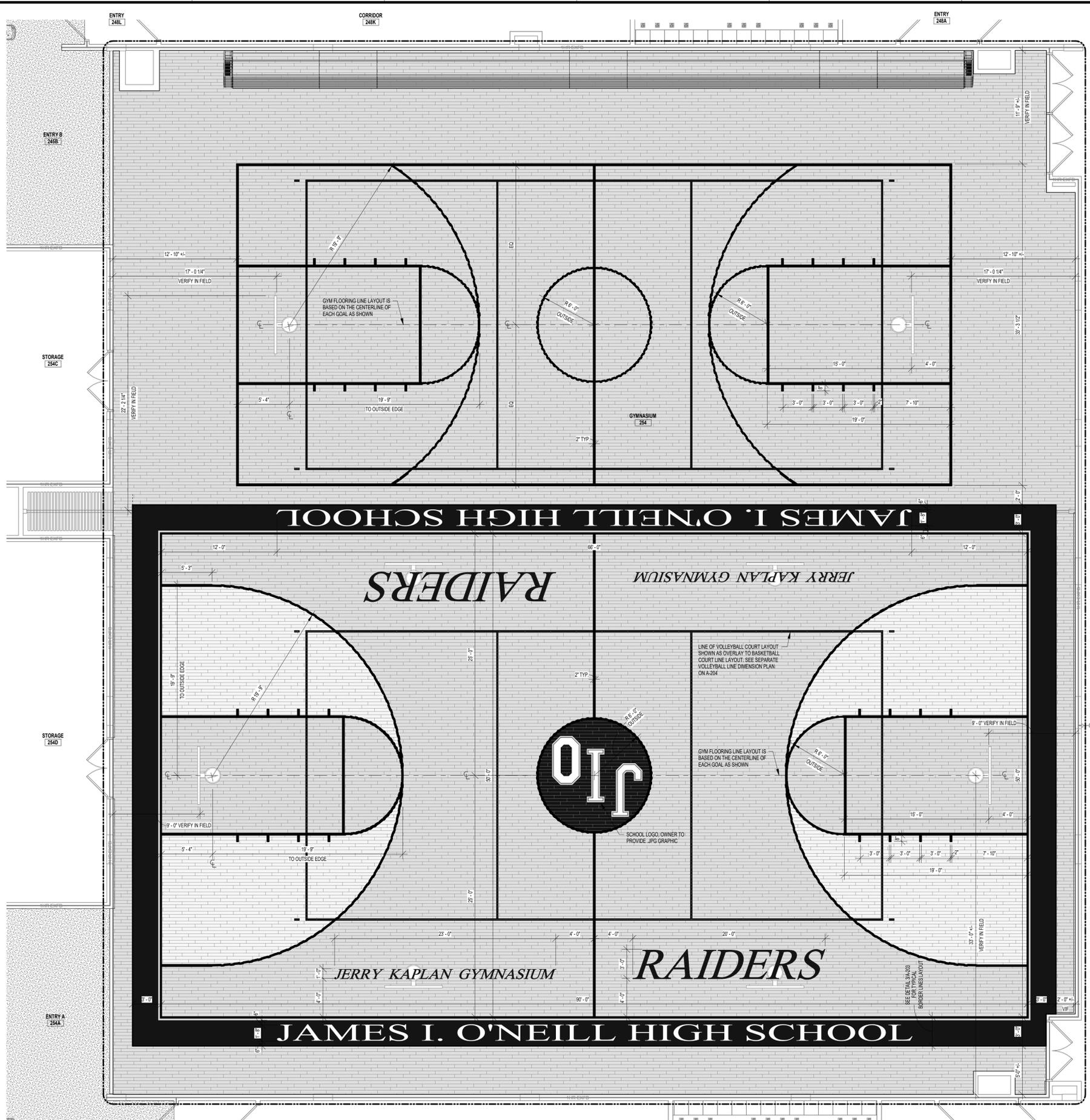
9/8/2021 10:42:16 AM



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



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



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

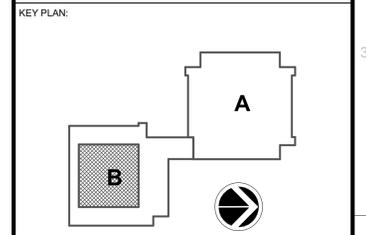
GYMNASIUM 254 LINE REQUIREMENTS

- 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"3/8" OVERALL HEIGHT x 16'-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"0" OVERALL HEIGHT x 22'-0" OVERALL LENGTH
 - * TEXT FONT - TIMES NEW ROMAN (CONFIRM FONT STYLE WITH OWNER/ARCHITECT)
 - * SIDE COURT TEXT TO READ "RAIDERS"
 - * TEXT SIZE - 3"0" 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

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



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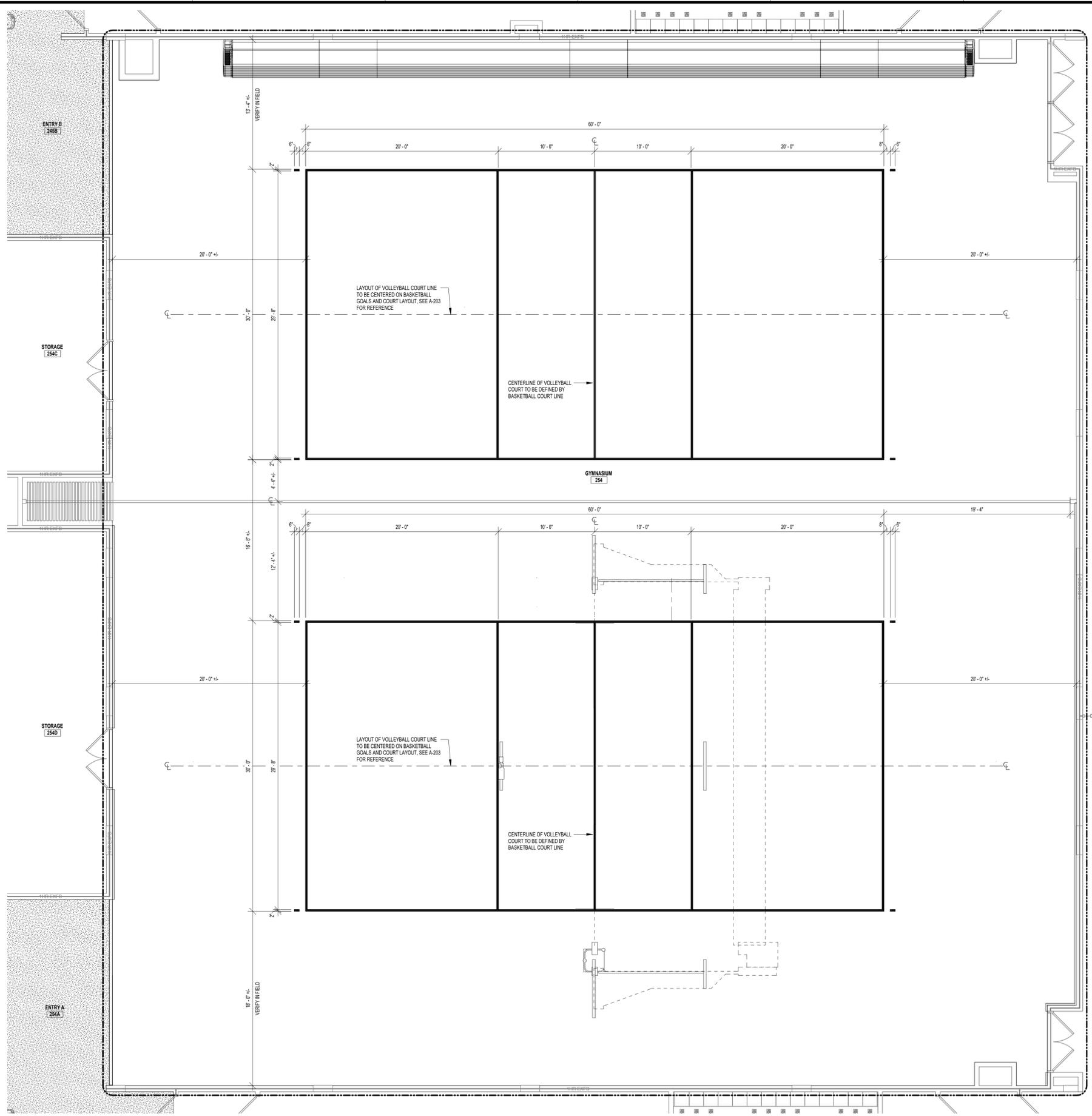
REV	DATE	DESCRIPTION

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CHECKED BY: JAS
PROJECT NUMBER: 2020-117
DATE: REBID 09.10.2021

ENLARGED PLANS - GYMNASIUM BASKETBALL STRIPING PLAN

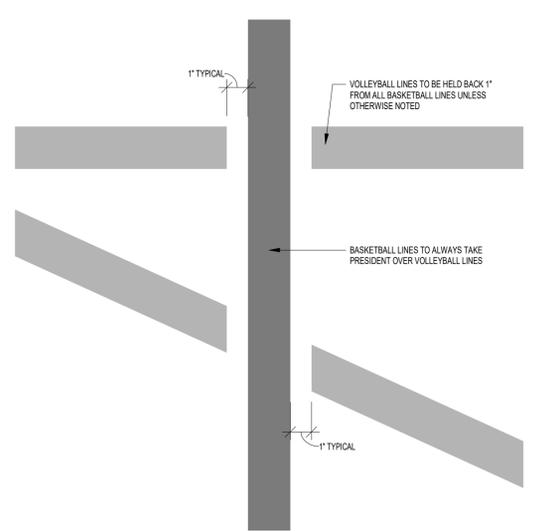
SHEET NUMBER
A-203

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"

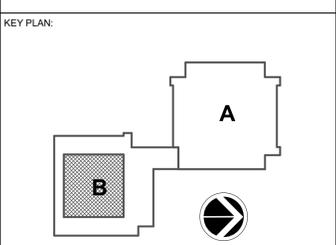


GYMNASIUM 254 LINE REQUIREMENTS

- 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 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



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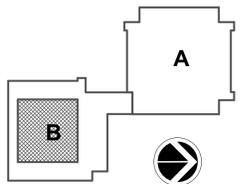
ENLARGED PLANS - GYMNASIUM VOLLEYBALL STRIPING PLAN

SHEET NUMBER
A-204

GENERAL CEILING NOTES:

- A. CONTRACTOR TO PREPARE AND PAINT FINAL REPAIRED FIREPROOFING TO MATCH EXISTING BEAM IN COLOR AND TEXTURE. PAINT AND 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 DISTURBED 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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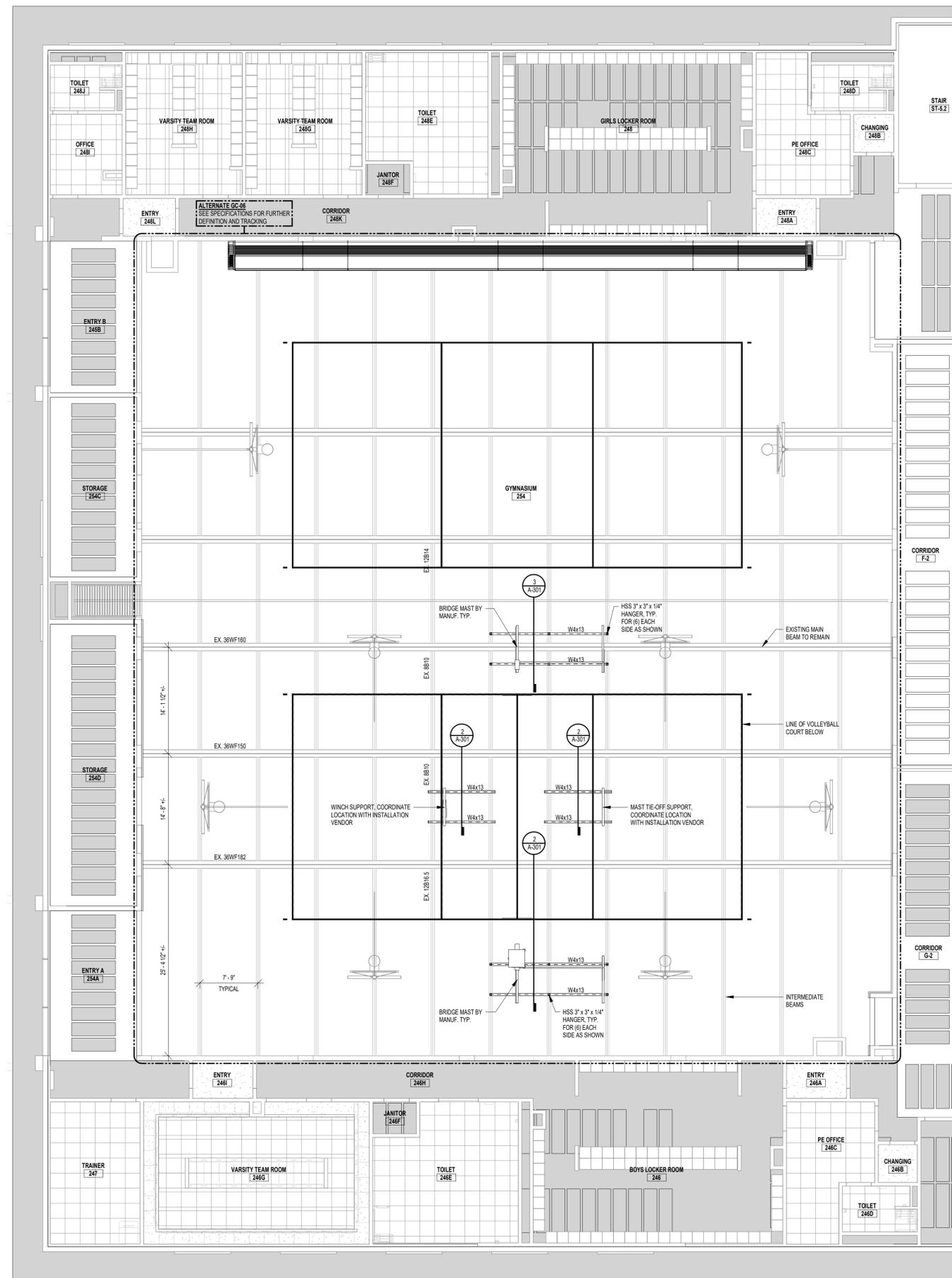
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CHECKED BY: JAS DATE: REBID 09.10.2021

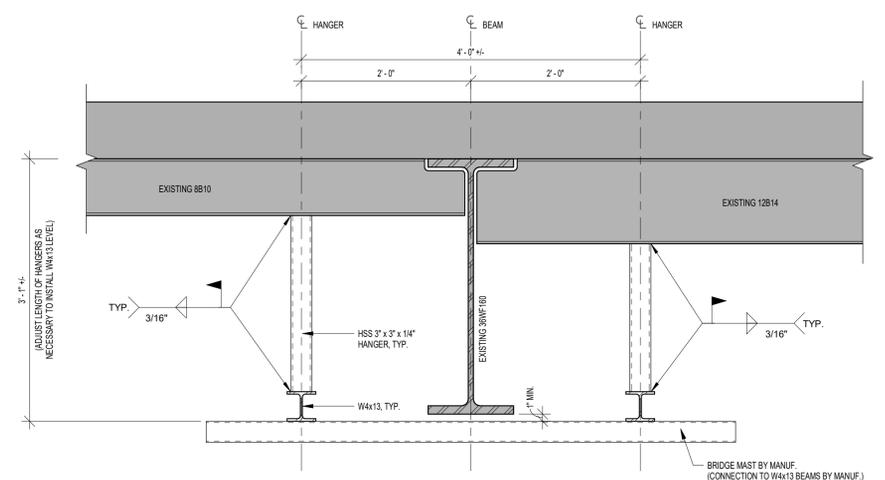
REFLECTED CEILING PLAN - GYMNASIUM 254

SHEET NUMBER

A-301

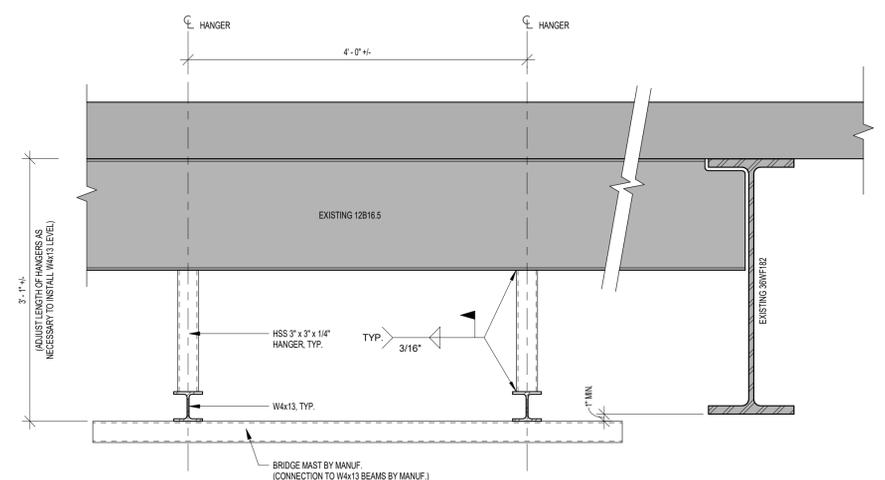


1 REFLECTED CEILING PLAN - SECOND FLOOR AREA B
SCALE: 1/8" = 1'-0"



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.

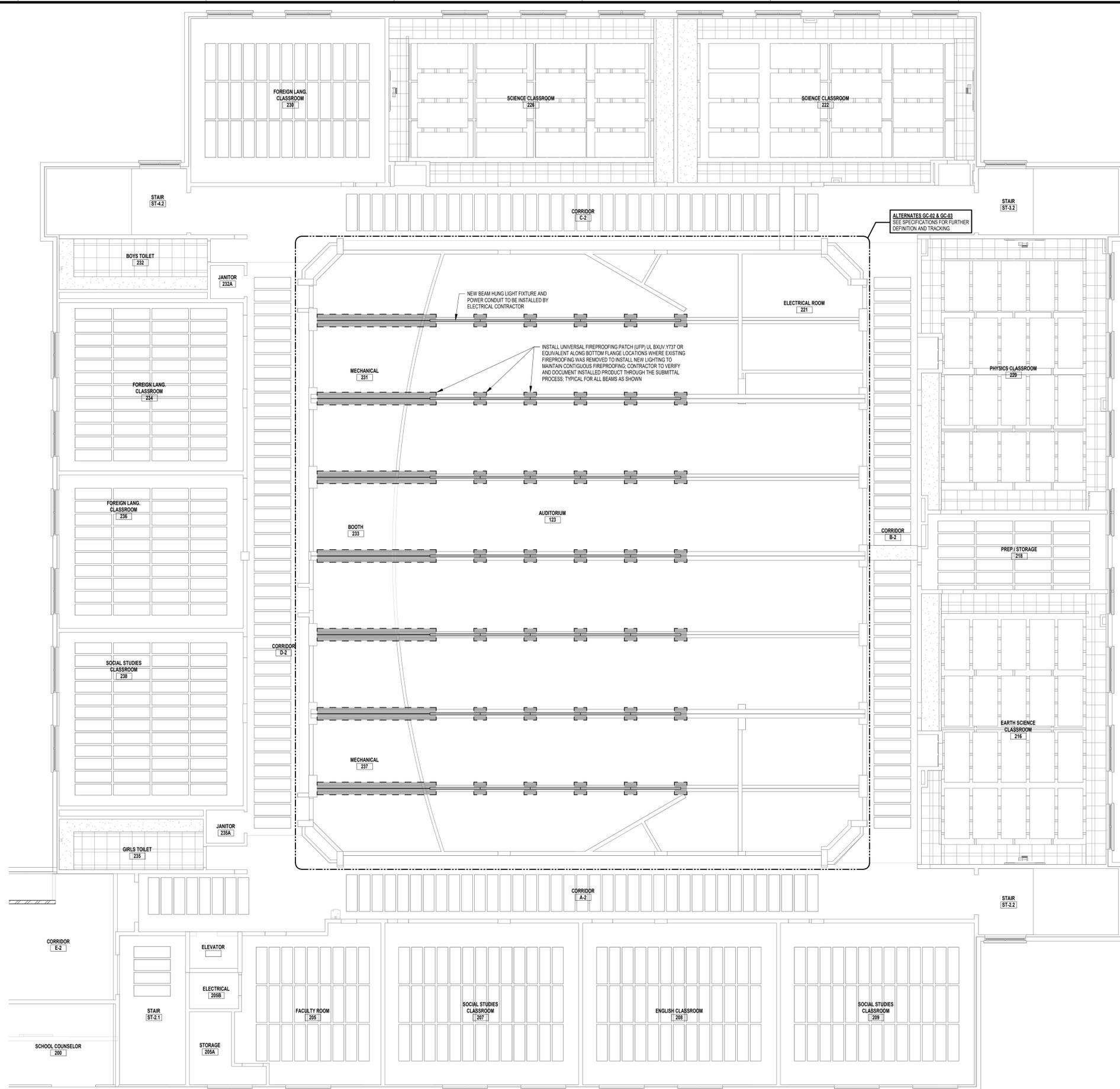
3 BRIDGE MAST SUPPORT DETAIL 2
SCALE: 1" = 1'-0"



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.

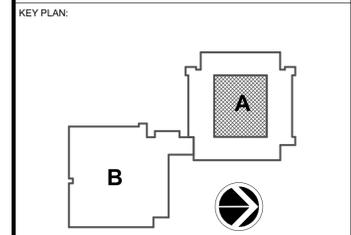
2 BRIDGE MAST SUPPORT DETAIL
SCALE: 1" = 1'-0"

9/8/2021 10:46:27 AM



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

- GENERAL CEILING NOTES:**
- A. CONTRACTOR TO PREPARE AND PAINT FINAL REPAIRED FIREPROOFING TO MATCH EXISTING BEAM IN COLOR AND TEXTURE. PAINT AND 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 DISTURBED 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.



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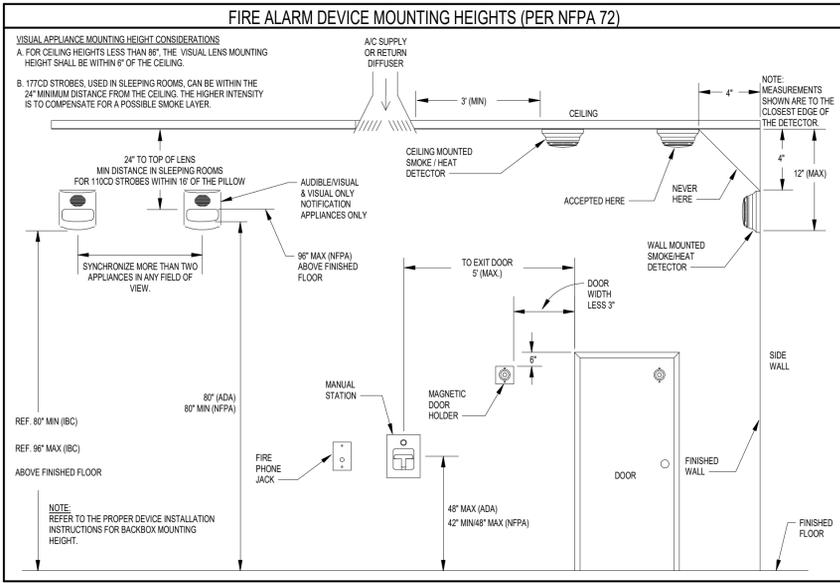
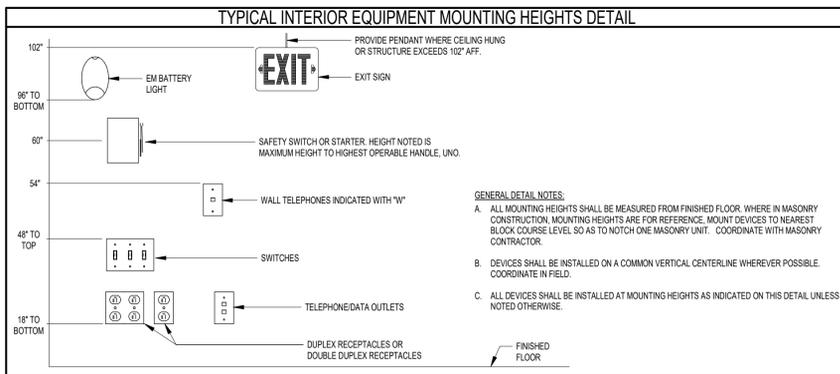
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CHECKED BY JAS	DATE REBID 09.10.2021

REFLECTED CEILING PLAN - AUDITORIUM 123

SHEET NUMBER
A-302

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ELECTRICAL NOTES

- CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY AND MUST BE SO CONSTRUED TO DETERMINE THE FULL SCOPE OF WORK. REFERENCES TO CODES, SPECIFICATIONS, AND STANDARDS CALLED FOR IN THE SPECIFICATION SECTIONS AND ON THE DRAWINGS MEAN, THE LATEST EDITION, AMENDMENT, AND REVISION OF SUCH REFERENCED STANDARD / 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 THESE DRAWINGS IN LAYING OUT THE WORK. CONSULT ALL BID DOCUMENT DRAWINGS AND COORDINATE WITH ALL TRADES TO BECOME FAMILIAR WITH ALL CONDITIONS AFFECTING THE WORK AND AT ALL VERIFICATION SPACES IN WHICH THE WORK WILL BE INSTALLED. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE, OPERATIONAL, AND SATISFACTORY INSTALLATION READY FOR CONTINUOUS USE. NOT ALL DEVICES TERMINATIONS, JUNCTION BOXES, AND WIRING HAVE BEEN SHOWN FOR DRAWING CLARITY.
- REASONABLE CHANGES 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.
- 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 PHASED TO FACILITATE MINIMUM IMPACT 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 MONITORED TO ESTABLISH BASE LINE OPERATING CONDITIONS.
- COORDINATE EXACT LOCATION OF ALL CONDUIT ROUTES, EQUIPMENT, AND DEVICES WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION. COORDINATE ARRANGEMENT, MOUNTING, AND SUPPORT OF ELECTRICAL CONDUITS TO ALLOW MAXIMUM POSSIBLE HEADROOM IN THE CEILING CAVITIES. MINIMUM CONDUIT SIZE SHALL BE 1" FOR TELECOMMUNICATIONS AND 3/4" FOR ALL OTHER CIRCUITS. PROVIDE 1/2" CONDUIT FULL STRONG IN ALL EMPTY SPARE CONDUITS. PAINT ALL EXPOSED CONDUITS IN FINISHED SPACES TO MATCH SURROUNDING FINISH CONDITIONS, UNO.
- ALL NEW DEVICES TO BE INSTALLED IN SURFACE RACEWAY AND BOXES ON EXISTING NON-FISHABLE CONSTRUCTION, 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 CEILING OR WITHIN WALLS WHERE POSSIBLE.
- IN EXISTING CONSTRUCTION, ROUTE SURFACE RACEWAY AS FOLLOWS: LOCATE VERTICAL RUNS IN CORNERS OR ALONG MOLDINGS, (RUN TO ABOVE CEILING WHERE NEW CEILING IS BEING INSTALLED). HORIZONTAL RUNS SHALL NOT EXCEED 27'-2" IN LENGTH WHEREVER POSSIBLE.
- PROVIDE THROUGH-PENETRATION AND MEMBRANE FIRESTOPPING 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.
- ALL EQUIPMENT OR MATERIALS SHALL BE NEW AND FOR ANY GIVEN SYSTEM BE A PRODUCT OF THE SAME MANUFACTURER, UNO. MAINTAIN SERVICE CLEARANCES OF ALL EQUIPMENT, PER NEC ARTICLE 110.
- IN AREAS RECEIVING NEW CEILING, ALL CEILING MOUNTED ITEMS (DETECTORS, SPEAKERS, ETC.) ARE TO BE CENTERED WITHIN THE PATTERN OF THE CEILING PANEL. A 2'X4' PANEL SCORED TO SIMULATE A 2'X2' PATTERN SHALL HAVE ITEMS CENTERED IN THE 2'X2' PORTION.
- CONTRACTOR SHALL TEMPORARILY DISMANTLE AND REMOVE EXISTING CEILING AS REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK. PROPERLY STORE CEILING COMPONENTS FOR REINSTALLATION. REINSTALL CEILING UPON COMPLETION OF WORK.
- 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.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED TO ACCOMMODATE THE WORK OF THIS CONTRACT. 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 FURNISHINGS 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.
- 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 CONSTRUED BY EXPERIENCED OBSERVERS. ALL SYSTEMS TO BE RESTORED TO PRE CONSTRUCTION CONDITIONS (OR BETTER).
- CONTRACTOR TO PROVIDE NECESSARY SUPPORT FRAMING, STIFFENERS, BRACING, AND HANGERS WHETHER 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 EXISTING FIELD CONDITIONS.
- 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.
- 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 MASKING UPON COMPLETION OF SCHEDULED WORK. CLEAN DETECTION DEVICES UPON SUBSTANTIAL COMPLETION. CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM FIRE DEPARTMENT AUTHORITY FOR SYSTEM SHUT DOWNS.

ABBREVIATIONS

A	AMP	AMPERES	MCA	MINIMUM CIRCUIT AMPACITY
ACLG	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		MLO	MAIN LUGS ONLY
AHJ	AUTHORITY HAVING 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		PANL	PANEL
CU	COPPER		POE	POWER OVER ETHERNET
DWG	DRAWING		PVC	POLYVINYL CHLORIDE
EC	ELECTRICAL CONTRACTOR		PWR	POWER
EF	EXHAUST FAN		RGS	RIGID GALVANIZED STEEL
EM	EMERGENCY		ST	SHUNT TRIP
EMT	ELECTRICAL METALLIC TUBING		SW	SWITCH
ERGB	ELECTRICAL ROOM GROUND BAR		SYM	SYMMETRICAL
EXP	EXPLOSION PROOF		TEL	TELEPHONE
EXTR	EXTERIOR		TMBB	TELECOMMUNICATIONS MAIN GROUND BAR
EWC	ELECTRIC WATER COOLER		TGB	TELECOMMUNICATIONS GROUND BAR
F	FUSE		TDF, IDF	TELECOMMUNICATIONS INTERMEDIATE DISTRIBUTION FRAME
FA	FIRE ALARM		TDFP	TELECOMMUNICATIONS MAIN DISTRIBUTION FRAME
FLA	FULL LOAD AMPERES		TYP	TYPICAL
FT	FEET		UG	UNDERGROUND
GFI, GFCI	GROUND-FAULT CIRCUIT INTERRUPTER		UL	UNDERWRITERS LABORATORIES
GND, G	GROUND OR GROUNDING		UNO	UNLESS NOTED OTHERWISE
HOA	HAND, OFF, AUTOMATIC SWITCH		V	VOLT
IEEC	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS		VIF	VERIFY IN FIELD
KOMIL	THOUSAND CIRCULAR MILS		W	WIRE, WALL, WATTS
KVA	KILOVOLT AMPERES		WG	WIRE GUARD
KW	KILOWATTS		XMR	TRANSFORMER
LTD	LIGHTING		Δ	DELTA
LS	LEXAN SHIELD		∇	WYE
			∅, PH	PHASE

FIRE ALARM LEGEND

[E]	MANUAL PULL STATION
[VZ] #d	AUDIO / VISUAL SIGNAL DEVICE, #d INDICATES STROBE INTENSITY
[VZ] #d	VISUAL ONLY SIGNAL DEVICE, #d INDICATES STROBE INTENSITY
[VZ] #d	VOICE EVAC AUDIO / VISUAL SIGNAL DEVICE, #d INDICATES STROBE INTENSITY
[V] #d	VOICE EVAC AUDIO ONLY SIGNAL DEVICE, #d INDICATES STROBE INTENSITY
[V] #d	VOICE EVAC AUDIO / VISUAL SIGNAL DEVICE, #d INDICATES STROBE INTENSITY
[S]	SMOKE DETECTOR
[S] AUX	SMOKE DETECTOR W/ AUXILIARY CONTACTS
[CO]	CARBON MONOXIDE DETECTOR
[H]	RATE OF RISE HEAT DETECTOR
[H] XXXX	FIXED TEMPERATURE HEAT DETECTOR
[R]	INDUCT MOUNTED SMOKE DETECTOR
[R] S	"R" DENOTES MOUNTED ON RETURN SIDE "S" DENOTES MOUNTED ON SUPPLY SIDE
[V]	SPECIALTY DETECTOR
[V] S	"S" DENOTES SPARK DETECTOR "V" DENOTES VAPOR DETECTOR
[RTS]	REMOTE TEST SWITCH / RESET TEST SWITCH
[DH]	MAGNETIC DOOR HOLDER
[FACP]	FIRE ALARM CONTROL PANEL
[FANAL]	FIRE ALARM ANNUNCIATOR PANEL
[ANSUL]	ANSUL FIRE SUPPRESSION SYSTEM
[S]	BEAM TUBE SMOKE DETECTOR
[R]	"R" DENOTES RECEIVER UNIT "T" DENOTES TRANSMITTER UNIT
[TS]	TAMPER SWITCH
[FS]	FLOW SWITCH
[FSD]	FIRE SMOKE DAMPER EQUIPMENT CONNECTION

POWER LEGEND

[]	PANEL EXISTING TO REMAIN
[] R	PANEL TO BE REPLACED WITH NEW
[]	PANEL NEW
[]	JUNCTION BOX
[]	PULL BOX OR HAND HOLE
[] U-V-XX	MECHANICAL EQUIPMENT CONNECTION SYMBOL, REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE
[]	MAGNETIC MOTOR STARTER
[]	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT
[] #AF #P	600 V HEAVY DUTY NON-FUSED DISCONNECT SWITCH "AF" - INDICATES FRAME SIZE "P" - INDICATES # OF POLES
[] #AF #P	600 V HEAVY DUTY FUSED DISCONNECT SWITCH "AF" - INDICATES FRAME SIZE "AT" - INDICATES FUSED TRIP SIZE "P" - INDICATES # OF POLES
[] MS	MOTOR RATED SNAP SWITCH WITH OVERLOADS
[] ATS	AUTOMATIC TRANSFER SWITCH
[] VFD	VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT SWITCH
[] SPD	SURGE PROTECTION DEVICE
[] II	MAIN GROUNDING BUS BAR
[] HD	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

ACCESS CONTROL LEGEND

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

VIDEO SURVEILLANCE LEGEND

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

CIRCUITING LEGEND

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

ELECTRICAL SYMBOL / TAG LEGEND

[---]	DASHED AND/OR HATCHED INDICATES EXISTING EQUIPMENT TO BE REMOVED
[—]	SOLID LIGHT INDICATES EXISTING TO REMAIN EQUIPMENT
[HEAVY & SOLID]	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 ITEMS AS REQUIRED
[R]	EXISTING EQUIPMENT TO BE REMOVED AND REPLACED WITH NEW.

LIGHTING LEGEND

[L]	LIGHT FIXTURES (LUMINAIRES)
[UPPERCASE TEXT #]	DENOTES TYPE
[LOWERCASE LETTER]	INDICATES SWITCH
[L] #	LIGHT FIXTURES (LUMINAIRES) UPPER CASE TEXT # DENOTES TYPE LOWER CASE LETTER INDICATES SWITCH
[EM#]	EMERGENCY BATTERY UNIT UPPER CASE TEXT # DENOTES TYPE
[EM#]	REMOTE EMERGENCY LIGHT UPPER CASE TEXT # DENOTES TYPE
[EX#]	CEILING MOUNTED EXIT LIGHT FIXTURE, SINGLE FACED, UPPER CASE TEXT # DENOTES TYPE
[EX#]	WALL MOUNTED EXIT LIGHT FIXTURE, DOUBLE FACED, UPPER CASE TEXT # DENOTES TYPE
[AR#]	COMBINED EMERGENCY BATTERY UNIT AND EXIT LIGHT FIXTURE UPPER CASE TEXT # DENOTES TYPE
[C-F]	MULTI-POLE CONTACTOR, QUANTITY OF POLES AS INDICATED ON PLANS
[TC]	TIME CLOCK, TYPE AS SPECIFIED

WIRING DEVICES LEGEND

[]	SINGLE RECEPTACLE
[]	DUPLEX RECEPTACLE
[]	DOUBLE DUPLEX RECEPTACLE
[ARC]	ARC FLASH RESISTANT RECEPTACLE
[EXP]	EXPLOSION RESISTANT RECEPTACLE
[GR]	GROUND FAULT CIRCUIT INTERRUPTER PROTECTED
[USB]	RECEPTACLE WITH INTEGRAL USB PORTS
[WP]	WEATHER PROOF RECEPTACLE
[#]	SPECIAL PURPOSE RECEPTACLE, # DENOTES NEMA CONFIGURATION
[FB]	FLOOR BOX, TYPE NOTED AND WITH DEVICES INDICATED
[VS]	VACANCY SENSOR (MANUAL-ON, AUTOMATIC OFF)
[OS]	OCCUPANCY SENSOR (AUTOMATIC-ON, AUTOMATIC OFF)
[OS DT]	OCCUPANCY SENSOR (DUAL TECHNOLOGY)
[OS DT]	DAYLIGHT SENSOR (OPEN LOOP)
[PC]	PHOTOCELL
[L]	LIGHT SWITCH
[1]	a, b - LOWER CASE LETTER INDICATES SWITCH DESIGNATION
[3]	3-WAY SWITCH
[4]	4-WAY SWITCH
[D]	DIMMER SWITCH
[K]	KEYED SWITCH
[DT]	DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH
[OS]	OCCUPANCY SENSOR SWITCH
[VS]	VACANCY SENSOR SWITCH
[DR]	DUAL CHANNEL SURFACE RACEWAY
[SR]	SINGLE CHANNEL SURFACE RACEWAY
[SC]	SURFACE MOUNTED CONDUIT

COMMUNICATIONS LEGEND

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

TEXT ADJACENT TO COMMUNICATION DEVICES INDICATES CONFIGURATION AND / OR MOUNTING HEIGHT. REFER TO LIST BELOW FOR DEFINITIONS:

AC MOUNT DEVICE ABOVE COUNTER HEIGHT. COORDINATE WITH OTHER TRADES TO DETERMINE PROPOSED COUNTER HEIGHT PRIOR TO MOUNTING DEVICE.

ID NUMBER INDICATES QUANTITY OF INDIVIDUAL DATA JACKS REQUIRED AT THAT LOCATION. TERMINATE IN NEAREST DATA RACK, UNO.

#T NUMBER INDICATES QUANTITY OF INDIVIDUAL TELEPHONE JACKS REQUIRED AT THAT LOCATION. TERMINATE TO TELEPHONE INTERFACE.

XX MOUNT DEVICE AT INDICATED LEVEL ABOVE FINISHED FLOOR (AFF).

ADMIN ADMINISTRATIVE MASTER HANDSET

TS TEACHERS STATION

SITE SYMBOLS LEGEND

[UE]	UNDERGROUND ELECTRIC LINE
[OE]	OVER HEAD NEW OVERHEAD ELECTRIC LINE
[UC]	UNDERGROUND COMMUNICATIONS
[]	UTILITY POLE
[]	NEW LIGHT POLE AND POLE BASE
[AF]	AF DENOTES FIXTURE TYPE
[BF]	BF DENOTES POLE BASE TYPE
[PB]	PULL BOX
[MH]	MANHOLE

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS USED THIS PROJECT.

KEY PLAN:

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

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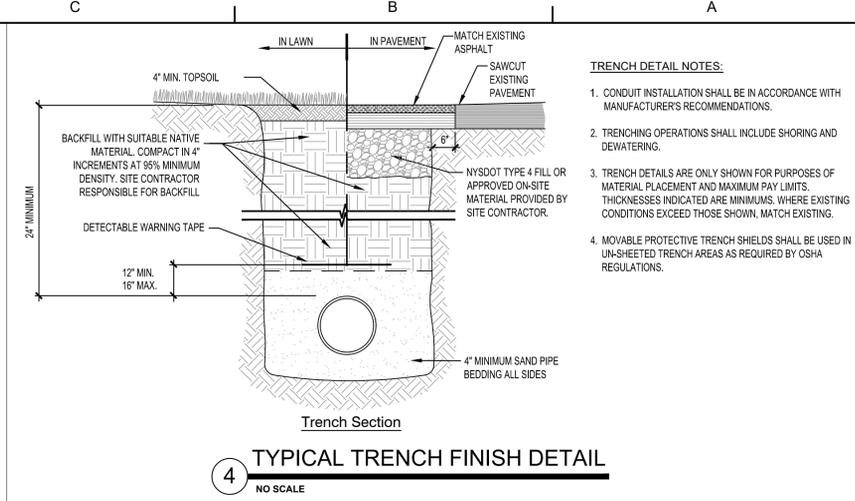
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CHECKED BY JLE	DATE REBID 09.10.2021

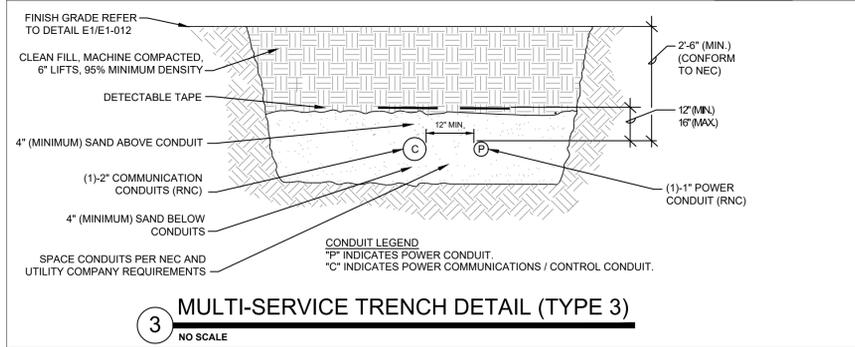
LEGEND, ABBREVIATIONS AND GENERAL NOTES

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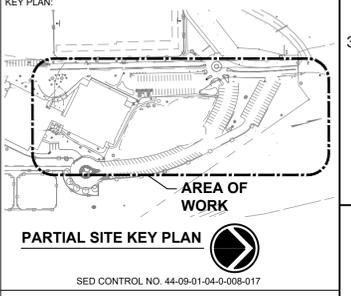


4 TYPICAL TRENCH FINISH DETAIL
NO SCALE



3 MULTI-SERVICE TRENCH DETAIL (TYPE 3)
NO SCALE

- GENERAL NOTES:**
- REFER TO DRAWING E5000 FOR APPLICABLE SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
 - VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
 - COORDINATE ALL ELECTRICAL WORK WITH ALL TRADES PRIOR TO START OF WORK.
- KEYED NOTES:**
- ASSUMED ROUTING OF EXISTING BURIED LIGHTING CONDUIT AND SPARE COMMUNICATIONS CONDUIT TO REMAIN. V.I.F.
 - PROVIDE POLE AND POLE MOUNT FIXTURE ON TOP OF EXISTING PRECAST POLE BASE. MODIFY/EXTEND EXISTING CIRCUITRY AND CONNECT FOR PROPER OPERATION. SEE LUMINAIRE SCHEDULE AND SPECIFICATIONS FOR FURTHER INFORMATION.
 - ASSUMED (4) #10 IN 1" EXTERIOR LIGHTING CIRCUITRY WITHIN JUNCTION BOX AT POLE BASE. TRACE CIRCUITRY BACK TO PANEL HM IN ELECTRICAL ROOM 002. TEST AND VERIFY CONNECTIONS BACK TO PANEL. ARE COMPLETE AND FULLY OPERATIONAL. WHERE DISCREPANCIES ARE FOUND, MODIFY/EXTEND AND MAKE CONNECTIONS TO SOURCE BREAKERS INDICATED SO AS TO PROVIDE POWER TO NEW POLE LIGHTS. REWORK CIRCUITRY WITHIN ELECTRICAL ROOM 002 SO TO ROUTE VIA NEW TIME SWITCH FOR CONTROL.
 - PROVIDE WALL MOUNT TIME SWITCH FOR CONTROL OF POLE MOUNT SITE LIGHTING. PROGRAM TIME SWITCH AS DIRECTED BY THE DIRECTOR OF FACILITIES.
 - REMOVE EXISTING WOOD SCHOOL SIGN AND ASSOCIATED COMPONENTS IN THEIR ENTIRETY. PROVIDE NEW FREE STANDING ENTRANCE MARQUEE MASONRY STRUCTURE, LED MESSAGE DISPLAY, SIGNAGE, CIRCUITRY AND ASSOCIATED COMPONENTS FOR AN COMPLETE AND FULLY FUNCTIONING SYSTEM. PREPARE TOP SOIL, MULCH AND SEED PER PROJECT SPECIFICATIONS. REFER TO SPECIFICATIONS AND ASERIES DRAWINGS FOR FURTHER INFORMATION. COORDINATE ROUTING OF CONDUITS IN FIELD PRIOR TO START OF WORK. CONDUITS TO BE CONCEALED. GROUND SIGN CABINET PER NEC ARTICLE 250.
 - CONTRACTOR TO TRENCH FROM NEW SCHOOL MARQUEE BACK TO EXISTING FULL BOX AS SHOWN. PROVIDE (1) 1/2" PVC CONDUIT FOR SIGN POWER AND (1) 2" COMMUNICATIONS CONDUIT (SPARE) FROM MARQUEE TO PULL BOX SHOWN. INTERCONNECT WITH EXISTING CONDUITS INSTALLED PREVIOUS PROJECT AT FULL BOX FOR CONTINUATION OF CONDUCTORS TO ELECTRICAL ROOM H.M. FIELD VERIFY ROUTING OF EXISTING CONDUITS IN FIELD.
 - CIRCUIT BACK TO PANEL HM IN BASEMENT ELECTRIC ROOM 02 USING 3/8" (1) 8 G. PROVIDE 30A 2P BREAKER IN AVAILABLE SPACE WITHIN PANEL. AMEND PANEL DIRECTORY.
 - PROVIDE 10 KVA 480 - 120/240 WYE TRANSFORMER, IN NEMA 3R ENCLOSURE, SURFACE MOUNT ON BACK SIDE OF MARQUEE. PAINT ENCLOSURE CUSTOM COLOR AS SELECTED BY ARCHITECT.
 - PROVIDE 60A RATED FUSED DISCONNECT IN NEMA 3R ENCLOSURE ON SECONDARY OF TRANSFORMER, AHEAD OF CONNECTION TO MARQUEE. FUSE AT 60 AMPS. DISCONNECT SHALL BE SURFACE MOUNT ON BACK OF MARQUEE. CIRCUIT FROM TRANSFORMER SECONDARY TO MARQUEE USING 3/4" (1) 8 G., 1" C. PAINT ENCLOSURE CUSTOM COLOR COLOR AS SELECTED BY ARCHITECT.



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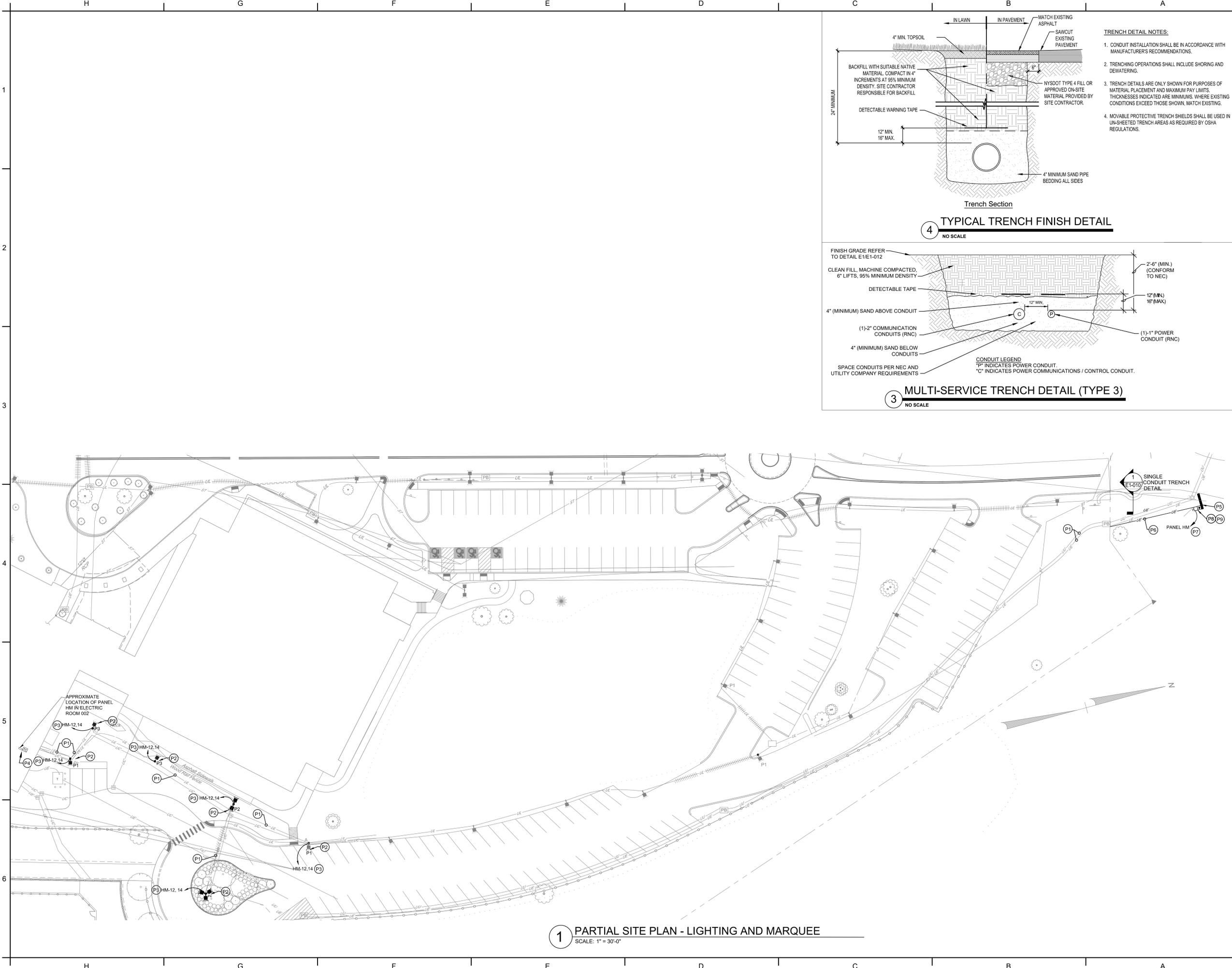
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REV	DATE	DESCRIPTION

DRAWN BY NRW	PROJECT NUMBER 2020-117
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PARTIAL SITE PLANS - LIGHTING AND MARQUEE

SHEET NUMBER
E-010

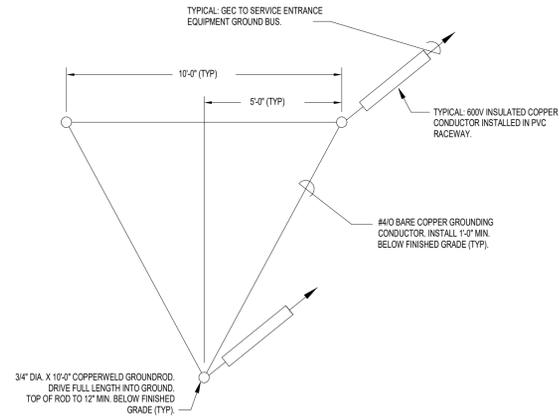


1 PARTIAL SITE PLAN - LIGHTING AND MARQUEE
SCALE: 1" = 30'-0"

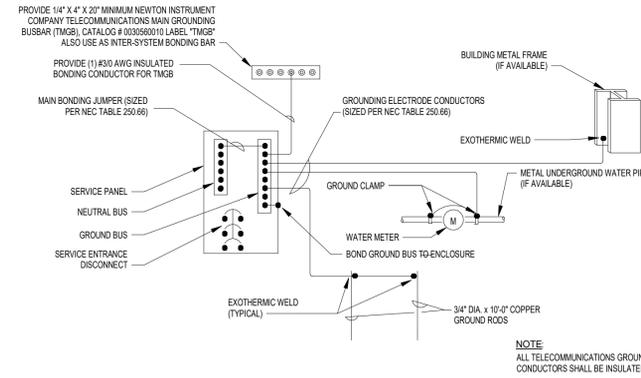
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GENERAL NOTES:

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.



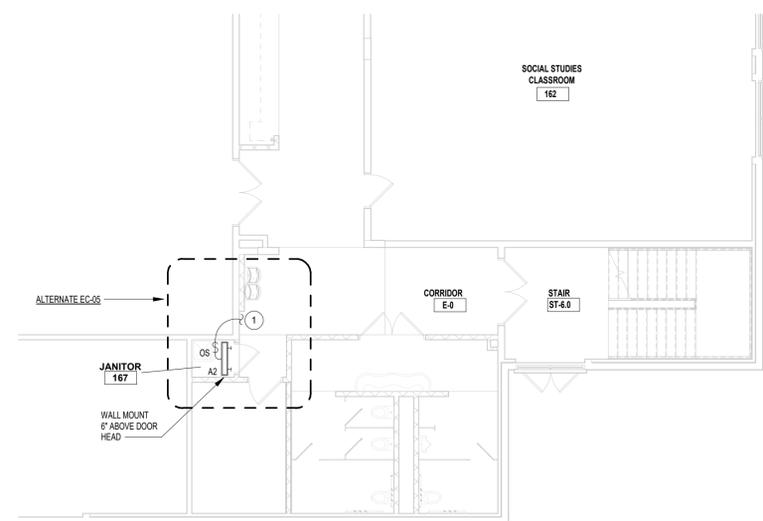
4 ELECTRODE GROUND TIED GRID DETAIL
SCALE: NOT TO SCALE
ALTERNATE EC-04



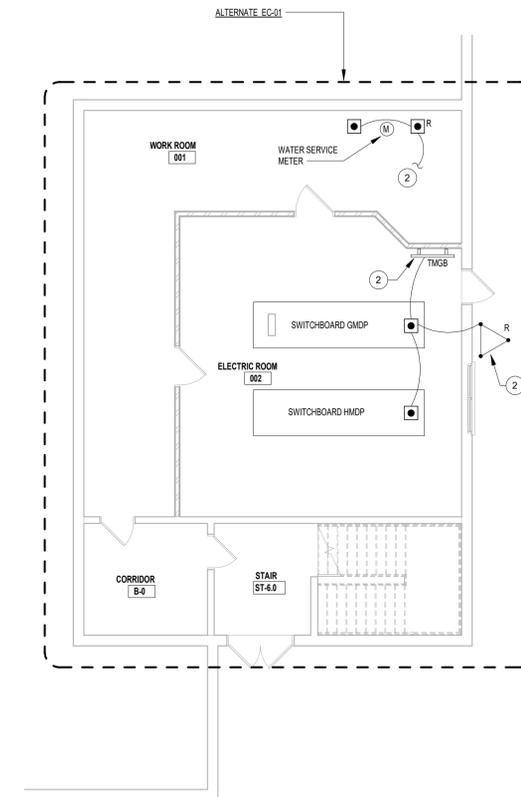
3 TYPICAL SYSTEM GROUNDING DETAIL
SCALE: NOT TO SCALE
ALTERNATE EC-01

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/LCMIL)	
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 900	1/0	3/0
OVER 600 THROUGH 1100	OVER 900 THROUGH 1750	2/0	4/0
OVER 1100	OVER 1750	3/0	250

NOTE:
SERVICE ENTRANCE CONDUCTORS NOT SHOWN FOR CLARITY.

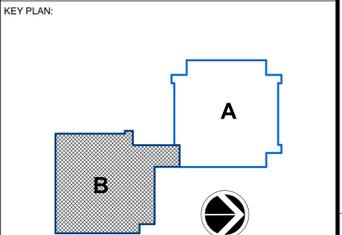


2 FIRST FLOOR PARTIAL PLAN - AREA B
SCALE: 1/8" = 1'-0"



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

- GENERAL NOTES**
- SEE DRAWING E-000 FOR APPLICABLE SYMBOLS, ABBREVIATIONS AND ELECTRICAL GENERAL NOTES.
 - SEE ARCHITECTURAL REFERENCE PLANS FOR WALL ASSEMBLY FIRE RATINGS. FIRE-CALULK ALL THROUGH-WALL PENETRATIONS TO MAINTAIN FIRE RATINGS.
- KEYED NOTES**
- CONNECT TO LIGHTING HOME RUN CIRCUIT SERVING ARCHIVES 164.
 - 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.



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HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

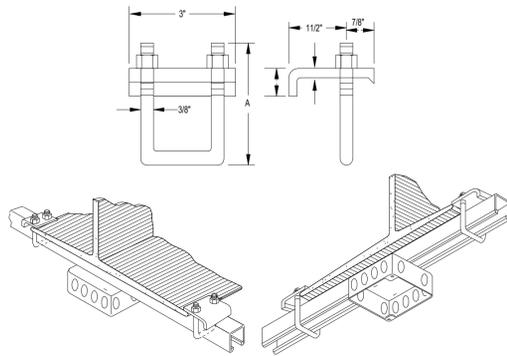
REV	DATE	DESCRIPTION

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

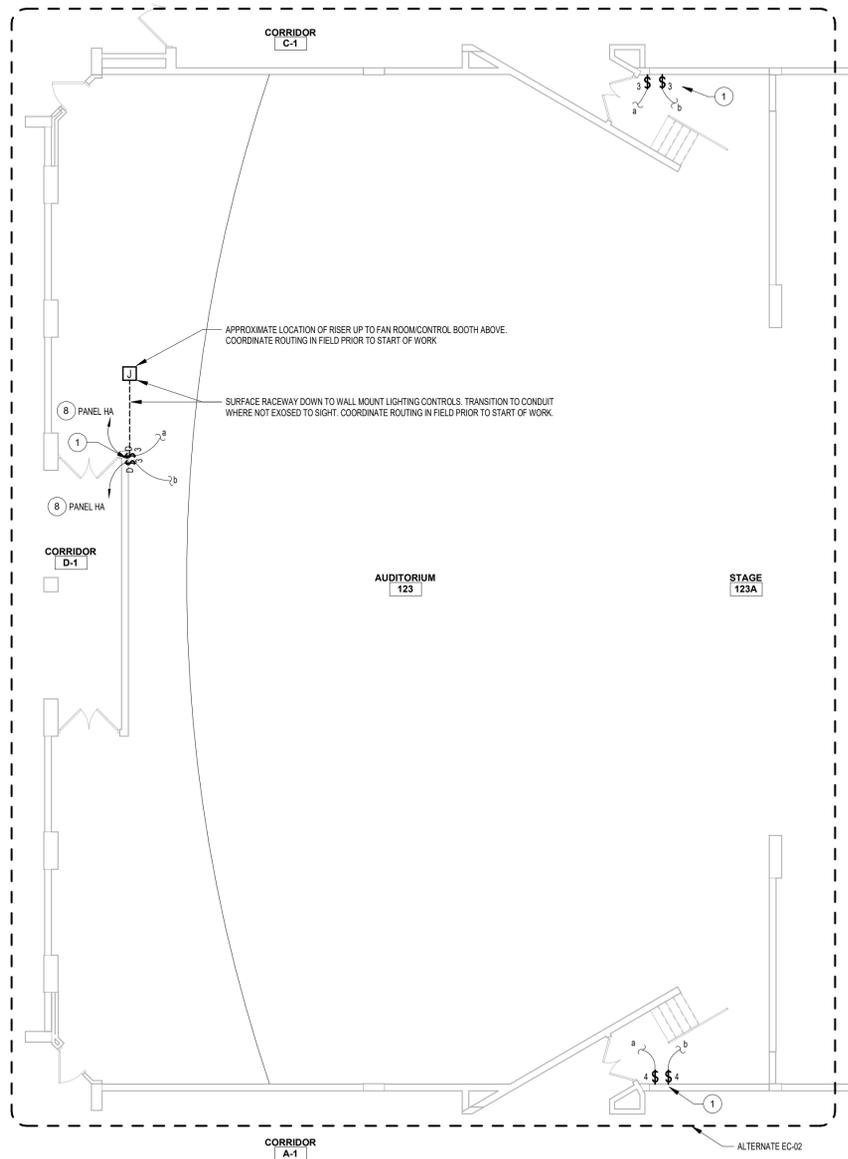
BASEMENT & FIRST FLOOR AREA B - PARTIAL PLANS

SHEET NUMBER

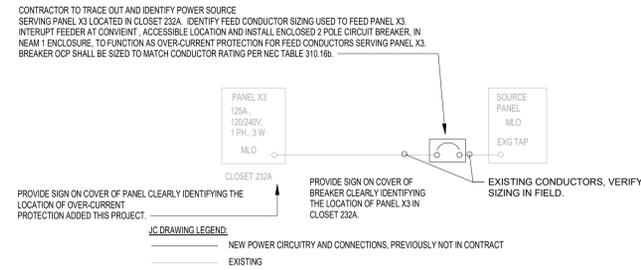
E-200



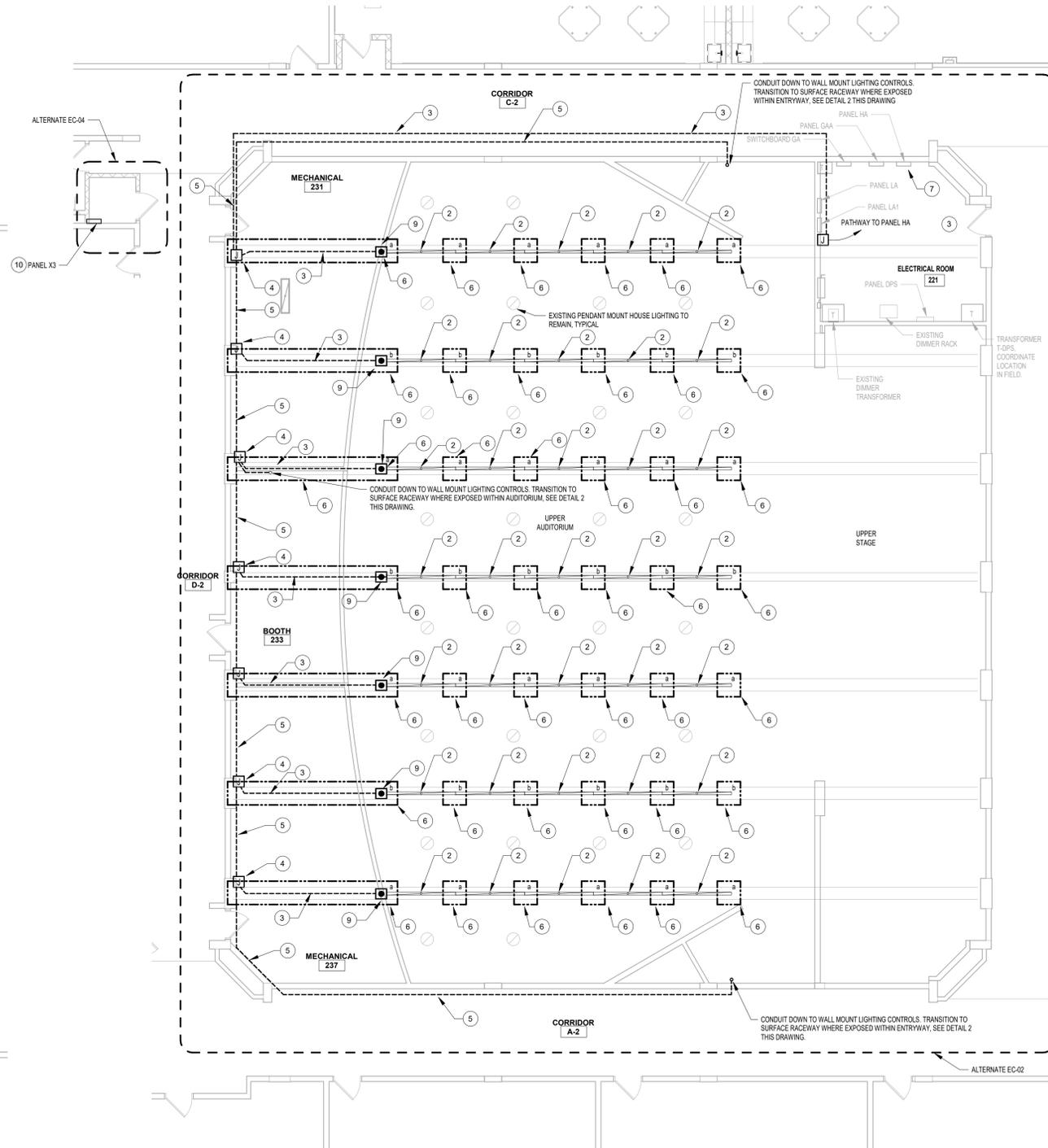
3 BEAM FLANGE MOUNTING DETAIL
SCALE: NOT TO SCALE
ALTERNATE EC-02



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

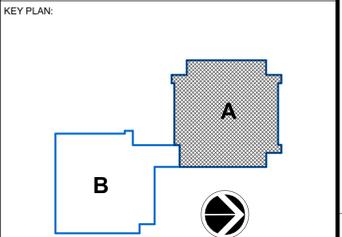


4 PANEL X3 OVER-CURRENT PROTECTION
SCALE: NOT TO SCALE
ALTERNATE EC-04



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

- GENERAL NOTES**
- SEE DRAWING E-000 FOR APPLICABLE SYMBOLS, ABBREVIATIONS AND ELECTRICAL GENERAL NOTES.
 - SEE ARCHITECTURAL REFERENCE PLANS FOR WALL ASSEMBLY FIRE RATINGS. FIRE-CALL ALL THROUGH-WALL PENETRATIONS TO MAINTAIN FIRE RATINGS.
- KEYED NOTES**
- 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.
 - CONTRACTOR TO INSTALL AND CONNECT EXISTING OWNER FURNISHED CABLE HUNG FIXTURE, CENTER TO BOTTOM BEAM FLANGE. FIXTURE IS CORLETT CAT# HGL-9-FR-8L-840-1-D-UNV-STD...-S-AC120-UM-8
 - 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.
 - 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.
 - 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.
 - MOUNT LINEAR FIXTURE AIRCRAFT CABLE PENDANT SUPPORT TO STRUCTURAL 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.
 - REARRANGE/ BALANCE LOADS IN 480/277V PANEL HA SO AS TO ALLOW FOR THE INSTALLATION OF TWO 20AIP CIRCUIT BREAKERS IN PANEL. AMEND PANEL DIRECTORIES ACCORDINGLY.
 - PROVIDE 20A 277V SINGLE PHASE CIRCUITRY BACK TO PANEL HA AND CONNECT TO 20AIP BREAKER, USING (2#12)(1#12G 1/2").
 - 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 4E-300 FOR INFORMATION.



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REV	DATE	DESCRIPTION

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

FIRST & SECOND FLOOR AREA A - PARTIAL PLANS

SHEET NUMBER

E-300

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

REV	DATE	DESCRIPTION

SCHEDULES

SHEET NUMBER

E-600

INTERIOR LUMINAIRE SCHEDULE										SPECIFICATION 26 5100	
TYPE	DESCRIPTION	MFR. & CATALOG No.	LAMP	SIZE	VOLTAGE	MOUNTING	MOUNTING HEIGHT	WATTS	REMARKS	FINISH	TYPE
A1	VANDAL RESISTANT LINEAR LED SURFACE, CEILING MOUNT	FAIL-SAFE CAT. # HYSL4-4LD4-2-STD-40-UV-0-EDC1	LED	4" X 44"	UNIVERSAL	SURFACE	CEILING	24		WHITE	A1
A2	VANDAL RESISTANT LINEAR LED SURFACE, WALL MOUNT	FAIL-SAFE CAT. # HYSL4-2LD4-2-STD-40-UV-0-EDC1 HYSL4-2-IMMABAS	LED	4" X 24"	UNIVERSAL	SURFACE	WALL	SEE PLAN	45" WALL MOUNT BRACKET	WHITE	A2

EXTERIOR LUMINAIRE SCHEDULE										SPECIFICATION 26 5600	
TYPE	DESCRIPTION	MFR. & CATALOG No.	LAMP	SIZE	VOLTAGE	MOUNTING	MOUNTING HEIGHT	WATTS	REMARKS	FINISH	TYPE
P1	POLE MOUNT SITE LIGHT - SINGLE HEAD 25'-0" POLE HEIGHT	MCGRAW-EDISON # GLEON-AF-04-LED-E1-14FT-BZ-800-MS/2-L40 POLE R7A-25-C-6-8-4-8M	LED	-	MVOLT	POLE	25'-0"	171	SINGLE HEAD, 25' POLE, 2 LEVEL MOTION SENSOR, SPECIFIED TO MATCH EXISTING SITE LIGHTING	DARK BRONZE	P1
P2	POLE MOUNT SITE LIGHT - TWO-HEAD 25'-0" POLE HEIGHT	MCGRAW-EDISON # GLEON-AF-04-LED-E1-14FT-BZ-800-MS/2-L40 POLE R7A-25-C-6-8-4-8M	LED	-	MVOLT	POLE	15'-0"	342	DOUBLE HEADS, 15' POLE, 2 LEVEL MOTION SENSOR, SPECIFIED TO MATCH EXISTING SITE LIGHTING	DARK BRONZE	P2
P3	POLE MOUNT SITE LIGHT - SINGLE HEAD 16'-0" POLE HEIGHT	MCGRAW-EDISON # GLEON-AF-04-LED-E1-SL3-BZ-800-MS/2-L40 POLE R7A-16-D-4-4-8M	LED	-	MVOLT	POLE	16'-0"	171	SINGLE HEAD AT 90 DEGREES, 16' POLE, 2 LEVEL MOTION SENSOR, SPECIFIED TO MATCH EXISTING SITE LIGHTING	DARK BRONZE	P3
P4	POLE MOUNT SITE LIGHT - SINGLE HEAD 25'-0" POLE HEIGHT	MCGRAW-EDISON # GLEON-AF-04-LED-E1-14W-BZ-800-MS/2-L40 POLE R7A-25-C-6-8-4-8M	LED	-	MVOLT	POLE	25'-0"	513	3 HEADS AT 90 DEGREES, 25' POLE, 2 LEVEL MOTION SENSOR, SPECIFIED TO MATCH EXISTING SITE LIGHTING	DARK BRONZE	P4

EXISTING PANEL HM									
LOCATION:		ELECTRICAL ROOM 002			BUS / MAIN:			400A (VIF)	
MOUNTING:		SURFACE			FEEDER:			--	
VOLTAGE/PHASE:		277/480V, 3Ø, 4W			FED FROM:			WITHIN HEATING SWITCHGEAR	
MIN A/C RATING:		VIF			ACCESSORIES:			--	
* GFI BREAKER					** SHUNT TRIP BREAKER				
CKT #	LOAD DESCRIPTION	CKT AMP	BKR POLE	LOAD WATTS PH	WATTS	CKT POLE	BKR AMP	LOAD DESCRIPTION	CKT #
1	SPARE	50	1	--	A	--			2
3	GIRLS ROOM 1ST, CAFE	20	1	--	B	--	3	125	FOOTBALL FIELD POLE LIGHT
5	DARE ROOM, BOYS ROOM, 1ST FLR STAIR	20	1	--	C	--			6
7				--	A	--	1	20	ART ROOM ART ROOM U/V
9	CAFE AHU	20	3	--	B	--	1	20	ART ROOM, GRADE STAIRS HEAT
11				--	C	--			12
13				--	A	--	2	50	SPARE
15	CONCESSION STAND PANEL	30	3	--	B	--	2	50	SPARE
17				--	C	--			18
19				--	A	--			20
21	MAINTENANCE GARAGE PANEL	50	3	--	B	--	3	20	EXISTING LOAD
23				--	C	--			24

EXISTING PANEL LBA									
LOCATION:		ELECTRICAL 205B			BUS / MAIN:			100A	
MOUNTING:		SURFACE			FEEDER:			PANEL LB	
VOLTAGE/PHASE:		120/208V, 3Ø, 4W			FED FROM:			--	
MIN A/C RATING:		VIF			ACCESSORIES:			--	
* GFI BREAKER					** SHUNT TRIP BREAKER				
CKT #	LOAD DESCRIPTION	CKT AMP	BKR POLE	LOAD WATTS PH	WATTS	CKT POLE	BKR AMP	LOAD DESCRIPTION	CKT #
1	COPPER RECEPTACLE	20	2		A		1	20	HANDICAP LIFT
3					B		1	20	SPARE
5	RECEPTACLES IN COPPER RM	20	1	1800	C	1800	1	20	RECP. TEACHERS LOUNGE
7	SPARE ?	20	1	1800	A	1800	1	20	RECEPTACLES
9	SPARE ?	20	1	1800	B	1800	1	20	RECEPTACLES
11	UPS 1ST FLOOR DATA CLOSET	20	1	1800	C		2	20	COPPER RECEPTACLES
13	RECEPTACLES IN TOILET 135	20	1		A				14
15	POWER SUPPLY FOR FIXTURES IN TOILET 135	20	1		B		1	20	HAND DRYER IN TOILET 131
17	POWER SUPPLY FOR FIXTURES IN TOILET 135	20	1		C		1	15	EF-1, EF-2
19	RECEPTACLES IN TOILET 131	20	1		A		1	20	POWER SUPPLY FOR FIXTURES IN TOILET 131
21	HAND DRYER IN TOILET 131	20	1		B		1	20	POWER SUPPLY FOR FIXTURES IN TOILET 131
23	SPARE	-	1		C		1	-	SPACE

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