

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
AB	ANCHOR BOLT	CONC	CONCRETE	GB	FUSE	IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS	NAT	NATURAL	REF	REFERENCE	THC	TOTAL HEAT CAPACITY	W	WEST, WIRE, WALL or WATTS
AC	AIR CONDITIONING	COND	CONDUIT	FA	FIRE ALARM	IGL	INSULATING GLASS	NC	NON-COMBUSTIBLE or NORMALLY CLOSED	REFRIG	REFRIGERATOR	THK	THICKNESS	W	WEST, WIRE, WALL or WATTS
ACU	AIR COOLED CONDENSING UNIT	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
ACLG	ABOVE CEILING	CONSTR	CONSTRUCTION	FD	FURNISHED BY OTHERS	IN	INCLUDING	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	REINFR	REINFORCED	TDF	TELECOMMUNICATIONS MAIN DISTRIBUTION FRAME	W	WEST, WIRE, WALL or WATTS
ACT	ACOUSTICAL CEILING TILE	CONT	CONTINUOUS	FC	FORWARD CURVED	INC	INCLUDING	NF	NON-FUSED	REQ	REQUIRED	TO	TOP OF	WB	WHITE BOARD
ADA	AMERICANS WITH DISABILITIES ACT	CONTR	CONTRACTOR	FCU	FAN COIL UNIT	INSUL	INSULATION	NFPA	NAT'L FIRE PROTECTION ASSOC.	REV	REVISION	TOF	TOP OF FOOTING	WC	WATER CLOSET
ADJ	ADJUSTABLE	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
AFF	ABOVE FINISHED FLOOR	CST	CUSHION TILE	FDN	FOUNDATION	INV	INVERT	NOM	NOMINAL	RGS	RIGID GALVANIZED STEEL	TOS	TOP OF STEEL	WF	WALL FILTER
AHJ	AUTHORITY HAVING JURISDICTION	CT	CERAMIC TILE	FE	FIRE EXTINGUISHER	IPS	INSIDE PIPE SIZE	NTS	NOT TO SCALE	RH	RELATIVE HUMIDITY	TT	TERRAZZO TILE	WD	WOOD
AHU	AIR HANDLING UNIT	CU	COPPER	FEC	FIRE EXTINGUISHER CABINET	KCML	THOUSAND CIRCULAR MILS	OC	OUTDOOR AIR	RHC	REHEAT COIL	TYP	TYPICAL	WC	WATER CLEAN OUT
AIC	AMPERE INTERRUPTING CAPACITY	CUH	CABINET UNIT HEATER	FF	FINISH FLOOR ELEVATION	KVA	KILOVOLT AMPERES	OD	OUTSIDE DIAMETER	RM	ROOM	T&G	TOP & GROOVE	WH	WATER HEATER
ALUM	ALUMINUM	CUV	CLASSROOM UNIT VENTILATOR	FG	FIBERGLASS	KW	KILOWATT	OA	ON CENTER	RO	ROUGH OPENING	UG	UNDERGROUND	WHA	WATER HAMMER ARRESTOR
ALT	ALTERNATE	CW	COMPOSITE WOOD or COLD WATER	FIN	FINISHED	L	LOUVER	OC	ON CENTER	RPM	REVOLUTIONS PER MINUTE	US	UNIT	WM	DUAL CHANNEL SURFACE RACEWAY
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	DB	DRY BULB TEMPERATURE	FL	FLOOR	LAM	LAMINATED	OH	OPPOSING HAND	RTN	RETURN	UH	UNIT HEATER	WR	WATER RESISTANT
APD	AIR PRESSURE DROP	DCJ	DRY BULB TEMPERATURE	FNS	FLOW MEASURING STATION	LAT	LEAVING AIR TEMPERATURE	OPNG	OPENING	RTU	ROOF TOP UNIT	UL	UNDERWRITERS LABORATORIES	WTRPF	WATER PROOFING
APPROX	APPROXIMATE	DET	DETAIL	FM	FEET PER MINUTE	LAV	LAVATORY	OPV	OPPOSITE OF	S	SOUTH	OVH	OVERHEAD	WV	WELDED WIRE MESH
ARCH	ARCHITECTURAL	DF	DRAWING	FRG	FIBERGLASS REINFORCED PLASTIC	LB	POUND	OZ	OUNCE	SA	SANITARY AIR	UTL	UTILITY	WV	WELDED WIRE MESH
BC	BACKWARD CURVED	DA	DIAMETER	FRP	FIBERGLASS REINFORCED PLASTIC	LBL	LEAVE LABEL	P	PUMP or POLE	SAN	SANITARY LINE	UV	UNIT VENTILATOR	XFMR	TRANSFORMER
BD	BOARD	DM	DIMENSION	FT	FOOT or FEET	LDB	LEAVING DRY BULB TEMPERATURE	PB	PARTICLE BOARD	SC	SCHEDULE	V	VOLT	Δ	DELTA
BDD	BACKDRIFT DAMPER	DN	DOWN	FTG	FOOTING	LGFM	LIGHT GAGE METAL FRAMING	PC	PLUMBING CONTRACTOR	SEAL	SEALER	VAR	VARIABLE		
BFG	BELOW FINISH GRADE	DTTO	DITTO	FW	FABRIC WALL COVERING	LLV	LONG LEG VERT	PCF	POUNDS PER CUBIC FOOT	SGT	STRUCTURAL GLAZED TILE	VAV	VARIABLE AIR VOLUME		
BHP	BRAKE HORSEPOWER	DPO	DECK PLATE CLEAN OUT	G	GAZED	LML	LINEAR METAL	PD	PRESSURE DROP or PIPE DROP	SGF	SQUARE FOOT	VB	VAPOR BARRIER		
BH	BEND MARK	DSD	DUCT SMOKE DETECTOR	GL	GLAZED	LV	LEAVING WET BULB TEMPERATURE	PEPF	PRE-FINISH	SH	SEMI	VF	VERIFY IN FIELD		
BLDG	BUILDING	DWG	DRAWING	GA	GAUGE	LTG	LIGHTING	PF	PRE-FINISH	SHC	SENSIBLE HEAT CAPACITY	VERT	VERTICAL		
BLK(K)	BLOCKING	DX	DIRECT EXPANSION	EA	EACH	LV	LEAVING WET BULB TEMPERATURE	PH	PHASE	SLM	SIMILAR	VEST	VESTIBULE		
BMS	BUILDING MANAGEMENT SYSTEM	E	EAST	EAT	ENTERING AIR TEMPERATURE	LV	LEAVING WET BULB TEMPERATURE	PL	PLATE	SP	STAINLESS POLISHED CNC	VIN	VINYL		
BRK	BEARING	E	EAST	EAT	ENTERING AIR TEMPERATURE	LWT	LEAVING WATER TEMPERATURE	PLYWD	PLYWOOD	SPC	SPECIFICATION	VIN	VINYL		
BREK	BREAK	EA	EACH	EAT	ENTERING AIR TEMPERATURE	MATL	MATERIAL	PLAS	PLASTER	SPR	SPRINKLER	VW	VENTILATED PLASTIC BASE		
BTU	BRITISH THERMAL UNIT	EAT	ENTERING AIR TEMPERATURE	EL	ELECTRICAL	MAS	MASONRY	SR	STAINLESS STEEL	ST	STAIR	VWC	VINYL WALL COVERING		
BTUH	BRITISH THERMAL UNIT PER HOUR	EC	ELECTRICAL	EL	ELECTRICAL	MAU	MAKE UP AIR UNIT	SRV	STAINLESS STEEL	ST	STAIR				
BUR	BUILT-UP ROOF	EDB	ENTERING DRY BULB	EL	ELECTRICAL	MAU	MAKE UP AIR UNIT	SRV	STAINLESS STEEL	ST	STAIR				
BV	BALL VALVE	EF	EFFICIENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
C	CONDUIT	EFF	EXISTING FIRE EXTINGUISHER	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CARP	CARPET	EJ	EXPANSION JOINT	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CB	CIRCUIT BREAKER	ELEC	ELECTRIC	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CBB	CEMENTITIOUS BACKER BOARD	ELEV	ELEVATION	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CBD	CHALK BOARD	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CDU	CEILING CASSETTE UNIT	EMB	EMBEDMENT	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CD	COLD CONDENSATE DRAIN	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CDT	CONDUIT	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CE	CABINET EXHAUST FAN	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CEM FLS	CEMENT PLASTER	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CF	CUBIC FEET PER MINUTE	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CF	CUBIC FEET PER MINUTE	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CL	CENTERLINE	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CLF	CURRENT LIMITING FUSE	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CLG	CEILING	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CLR	CLEAR	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CM	CONSTRUCTION MANAGER	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CMT	CERAMIC MOSAIC TILE	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				
CMU	CONC MASONRY UNIT	EM	EMERGENCY	EL	ELECTRICAL	MB	MAXIMUM	SRV	STAINLESS STEEL	ST	STAIR				

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.

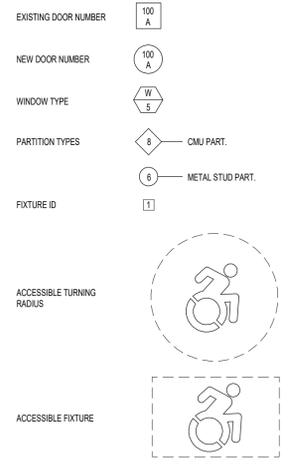
GENERAL RENOVATION NOTES

- 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 TAGBOARDS, 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 (E.G. 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 EXISTING 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.

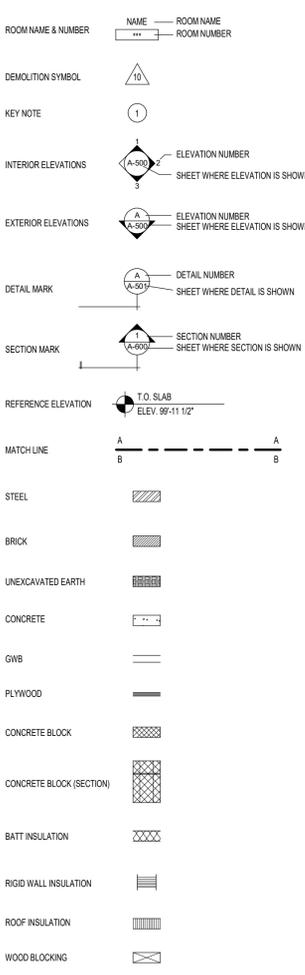
LIFE SAFETY CONSIDERATIONS

- 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 & 29 CFR 1926.26 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 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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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

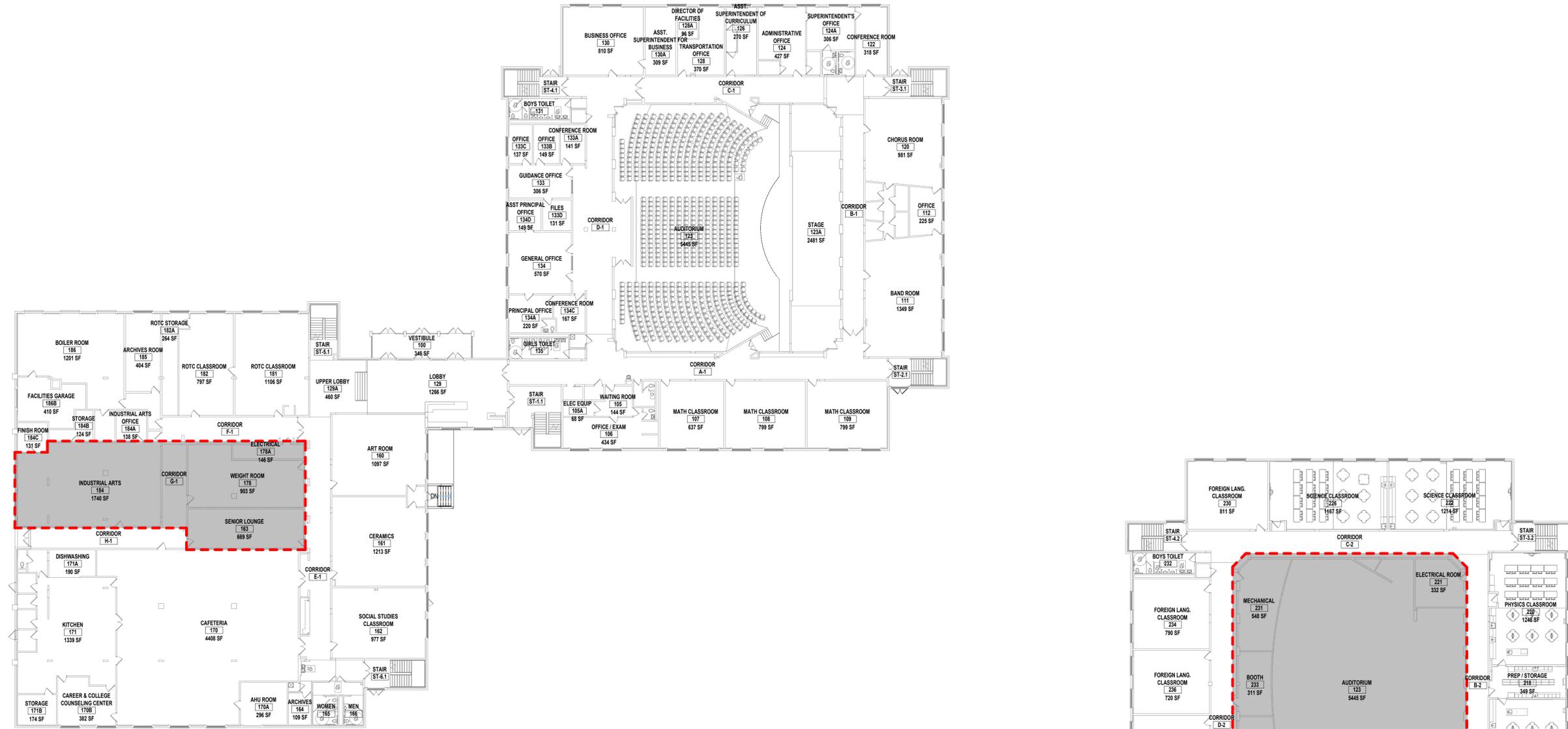
DRAWN BY NPB	PROJECT NUMBER 2020-117
CHECKED BY JAS	DATE 03/19/2021

GENERAL NOTES, SYMBOLS & ABBREVIATIONS

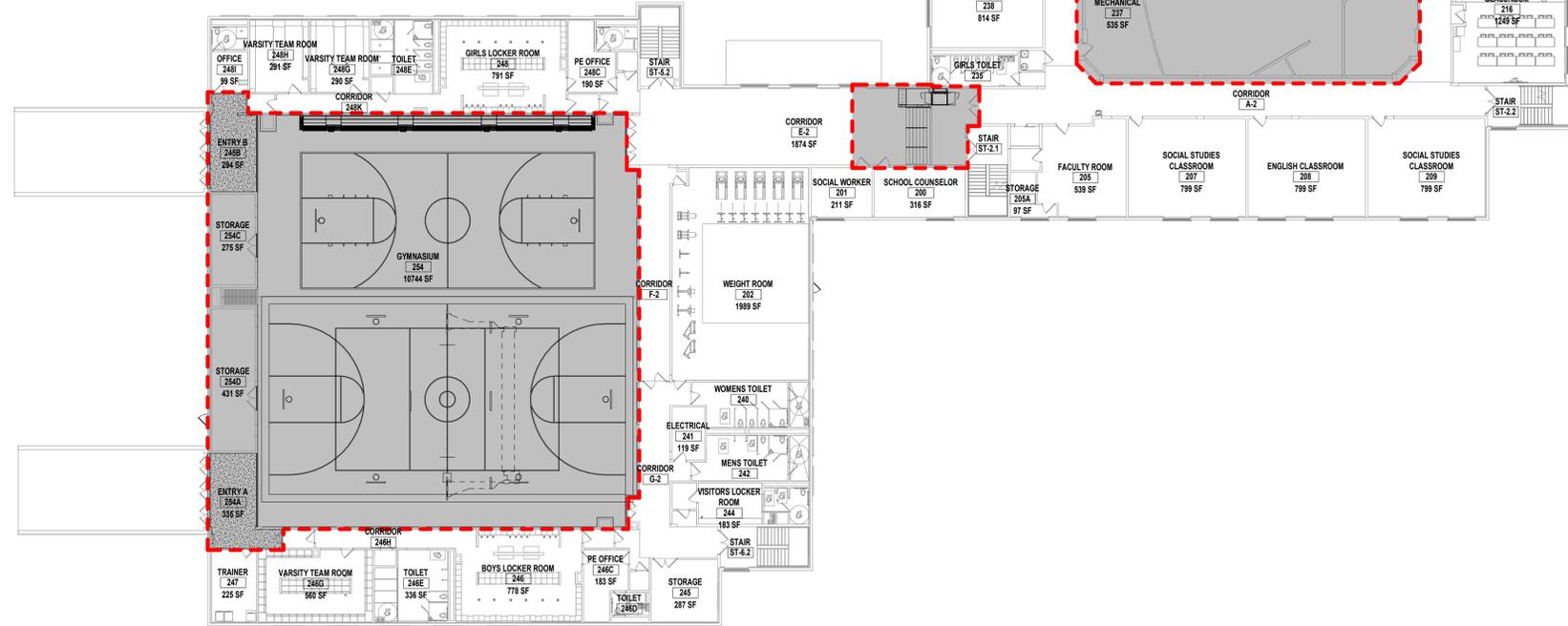
SHEET NUMBER
G-000

REFERENCE PLAN LEGEND

 HATCH DENOTES AREA OF PROJECT SCOPE OF WORK



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



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

KEY PLAN:

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

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CHECKED BY JAS	DATE 03/19/2021

REFERENCE PLANS

SHEET NUMBER
RP-100

3/17/2021 8:18:00 AM

OCCUPANT CALCULATION	
AREA	OCCUPANTS
FIRST FLOOR AREA A	
ASSEMBLY	756
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

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.

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 WING) 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

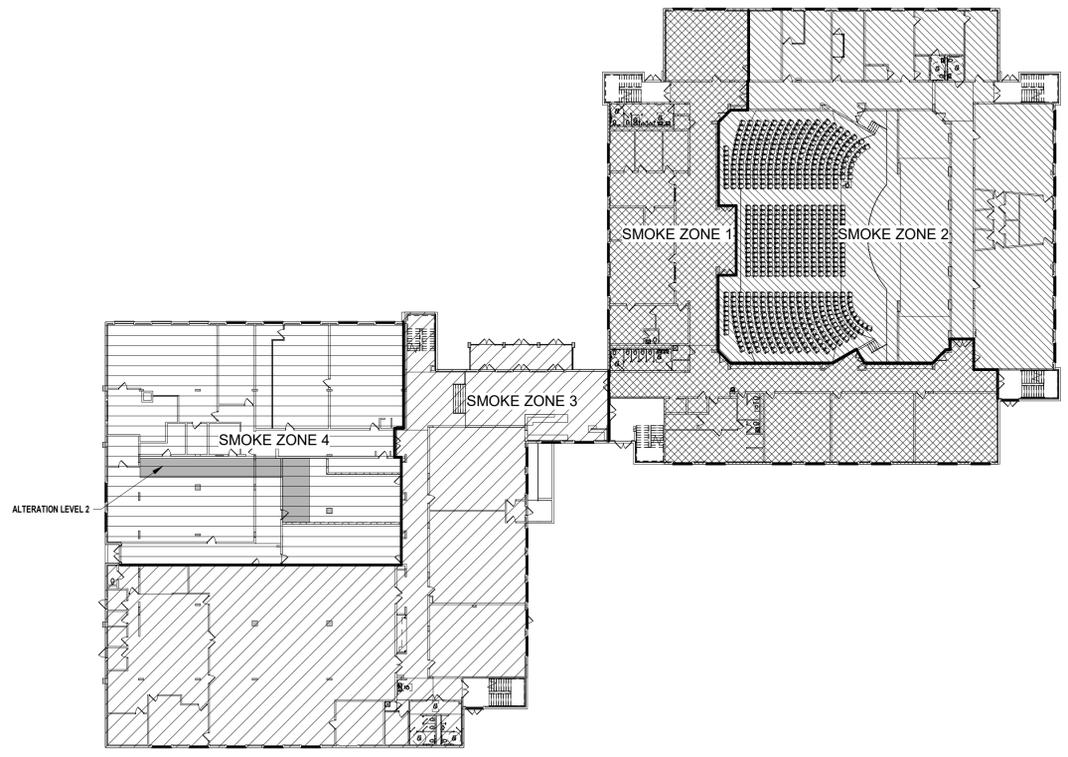
V. MEANS OF EGRESS
 *MAXIMUM OCCUPANCY BASED UPON EGRESS WIDTH PER OCCUPANT (TABLE 1005.1) WITHOUT SPRINKLERS = 0.3 STAIRS & 0.2 OTHER COMPONENTS AS PER TABLE 1004.1.1
 *MAXIMUM OCCUPANCY BASED UPON EGRESS WIDTH PER OCCUPANT (SED STANDARDS) WITHOUT SPRINKLERS = 1.0 PER 22" CLEAR OPENING CAPACITY PER 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 904.2.2 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.

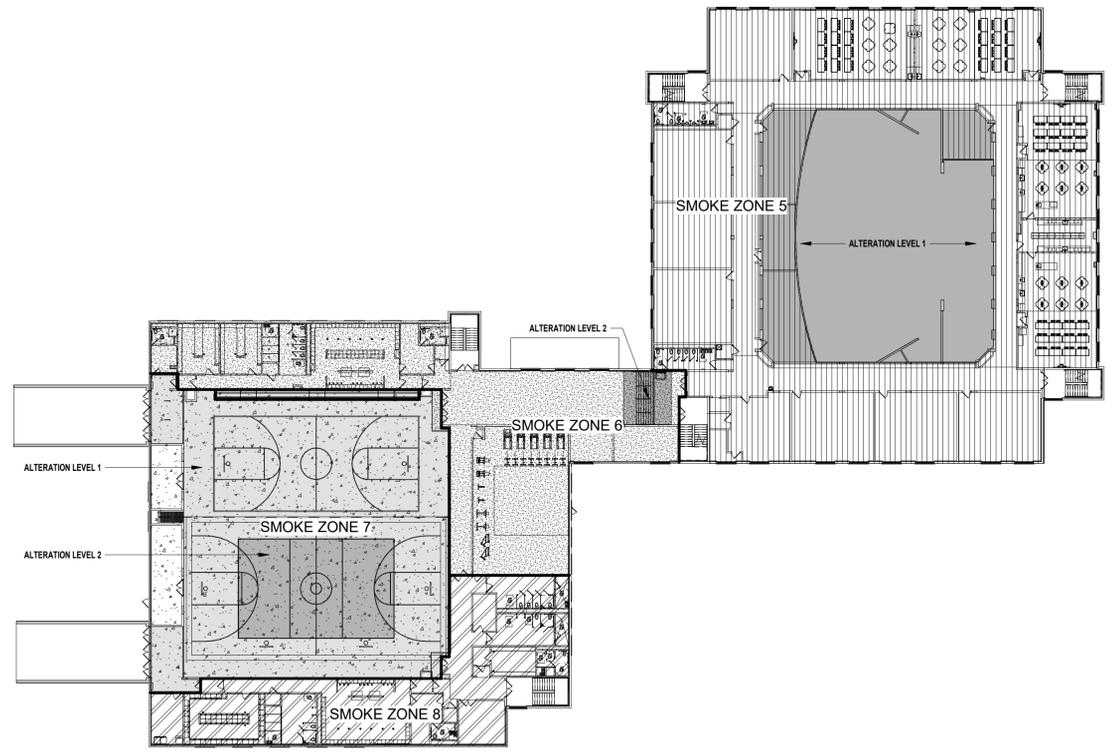
VII. ENERGY CONSERVATION
 *BUILDING ENVELOPE REQUIREMENTS - CLIMATE ZONE 5 (ORANGE COUNTY) AS PER TABLE 301.1 OF THE ENERGY CONSERVATION CODE (TABLE 502.2 & 502.3)
 A. ROOF ASSEMBLY R-30 (PER CODE), R-24 (PER SED)
 B. WINDOWS: U-FACTOR 0.45

SMOKE AREA LEGEND

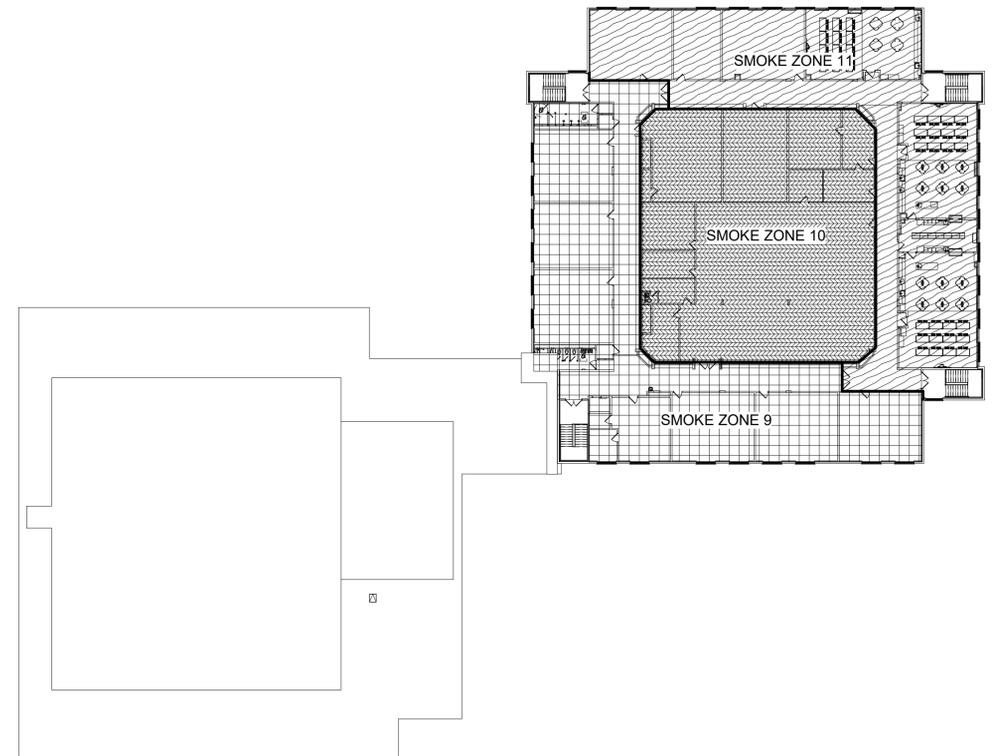
- SMOKE AREA 1 - 10,605 SF
- SMOKE AREA 2 - 15,515 SF
- SMOKE AREA 3 - 15,330 SF
- SMOKE AREA 4 - 10,145 SF
- SMOKE AREA 5 - 19,545 SF
- SMOKE AREA 6 - 7,790 SF
- SMOKE AREA 7 - 12,210 SF
- SMOKE AREA 8 - 5,110 SF
- SMOKE AREA 9 - 8,975 SF
- SMOKE AREA 10 - 8,405 SF
- SMOKE AREA 11 - 8,605 SF



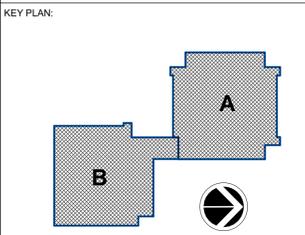
1 FIRE AREAS - FIRST FLOOR
 SCALE: 1/32" = 1'-0"



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



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



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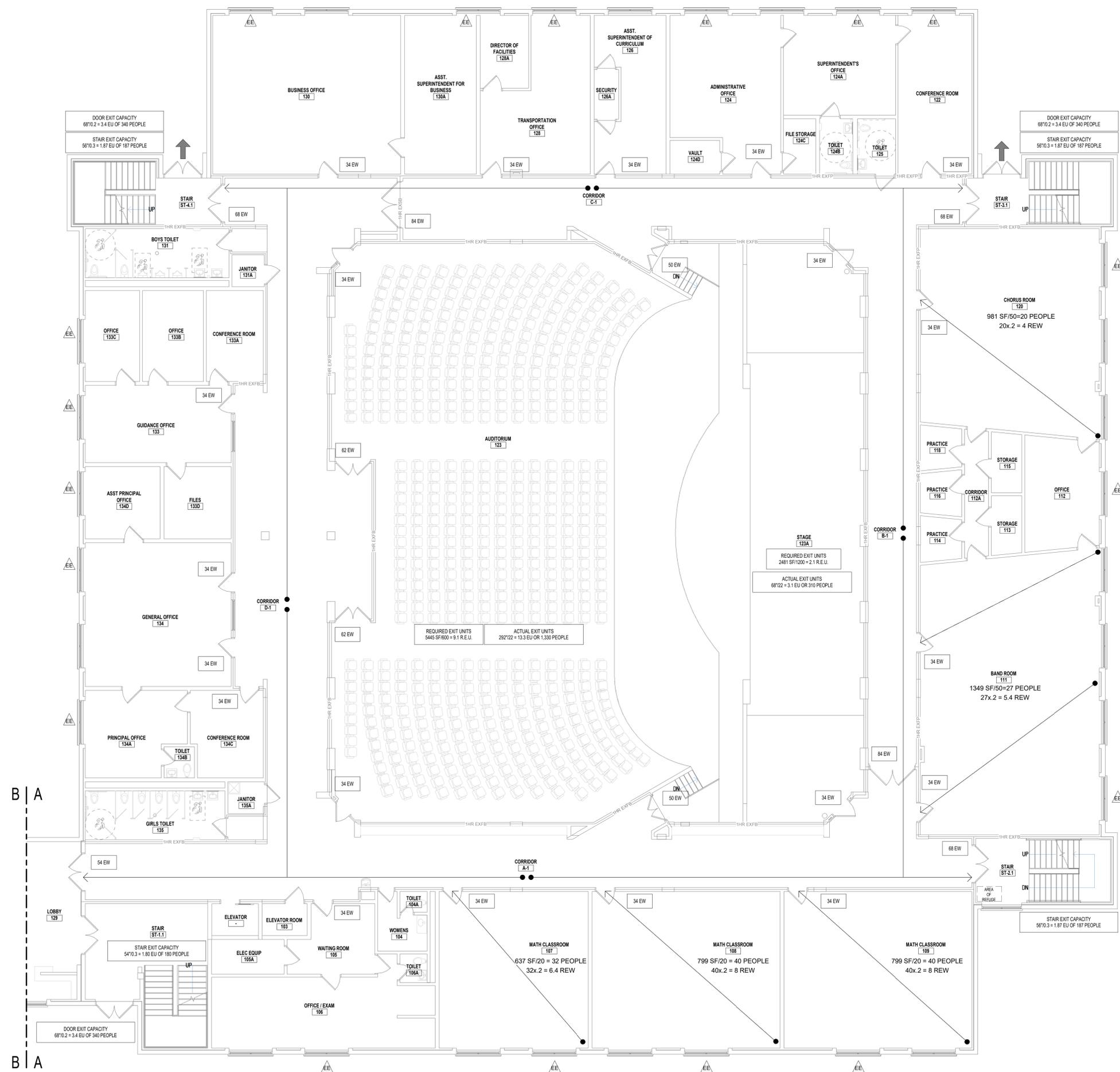
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DRAWN BY NPB	PROJECT NUMBER 2020-117
CHECKED BY JAS	DATE 03/19/2021

BUILDING AREA AND FIRE AREA PLANS

SHEET NUMBER
CC-100



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

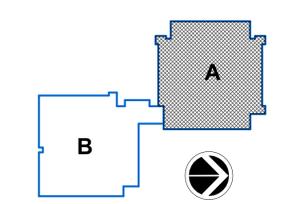
* PREFIX 'N' REPRESENT NEW, CONTRACTOR TO PROVIDE & INSTALL
* PREFIX 'E' REPRESENT EXISTING TO REMAIN

FIRE-RATED LINE LEGEND:

- 1HR EXISB
- 1HR EXISD
- 1HR EXFDB
- 2HR EXFDB
- 1HR EXFPB
- 1HR FB
- 1HR FP
- 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:



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

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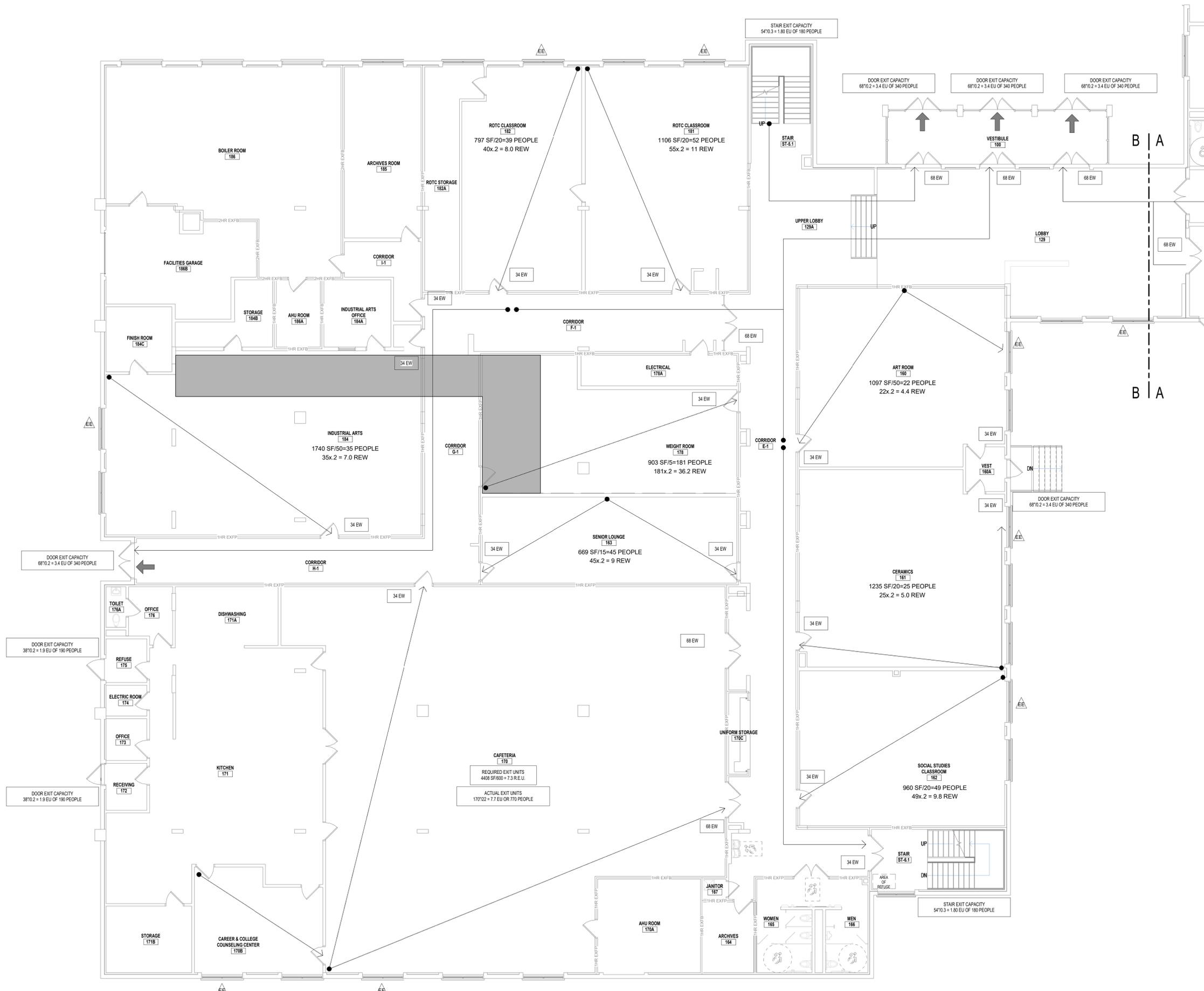
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CHECKED BY JAS	DATE 03/19/2021

OCCUPANCY & EGRESS - FIRST FLOOR AREA A

SHEET NUMBER
CC-101

3/17/2021 8:21:32 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
- EXIT WIDTH PROVIDED
- TRAVEL PATH TO EXIT
- FIRE EXTINGUISHER CABINET
- FIRE EXTINGUISHER
- FIRE BLANKET
- DRINKING FOUNTAIN
- AREA OF REFUGE
- EXIT

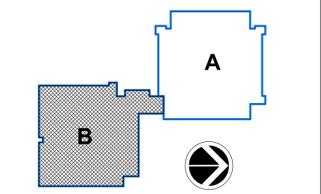
* PREFIX "N" REPRESENT NEW, CONTRACTOR TO PROVIDE & INSTALL
* PREFIX "E" REPRESENT EXISTING TO REMAIN

FIRE-RATED LINE LEGEND:

- 1HR EXISB
- 1HR EXISFB
- 2HR EXISFB
- 1HR EXFP
- 1HR FB
- 1HR FP
- 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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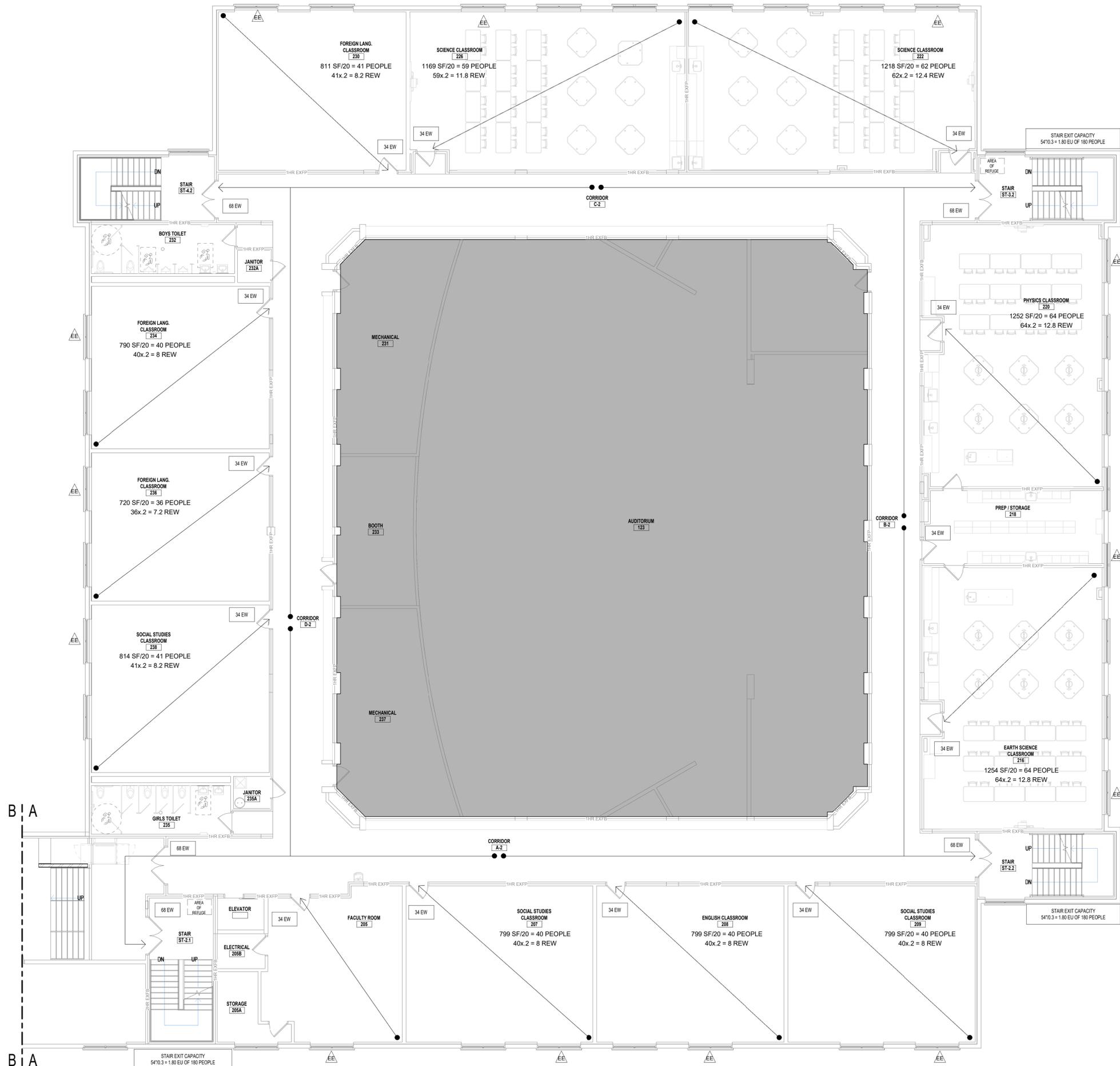
REV	DATE	DESCRIPTION

DRAWN BY NPB	PROJECT NUMBER 2020-117
CHECKED BY JAS	DATE 03/19/2021

OCCUPANCY & EGRESS - FIRST FLOOR AREA B

SHEET NUMBER
CC-102

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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

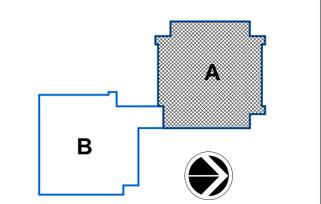
* PREFIX "N" REPRESENT NEW, CONTRACTOR TO PROVIDE & INSTALL
 * PREFIX "E" REPRESENT EXISTING TO REMAIN

FIRE-RATED LINE LEGEND:

- 1HR EXSD
- 1HR EXFB
- 2HR EXFB
- 1HR EXFP
- 1HR FB
- 1HR FP
- 1HR EXISTING SMOKE BARRIER
- 1HR EXISTING FIRE BARRIER
- 2HR EXISTING FIRE BARRIER
- 1HR EXISTING FIRE PARTITION
- 1HR FIRE BARRIER
- 1HR FIRE PARTITION

NOTE:
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KEY PLAN:



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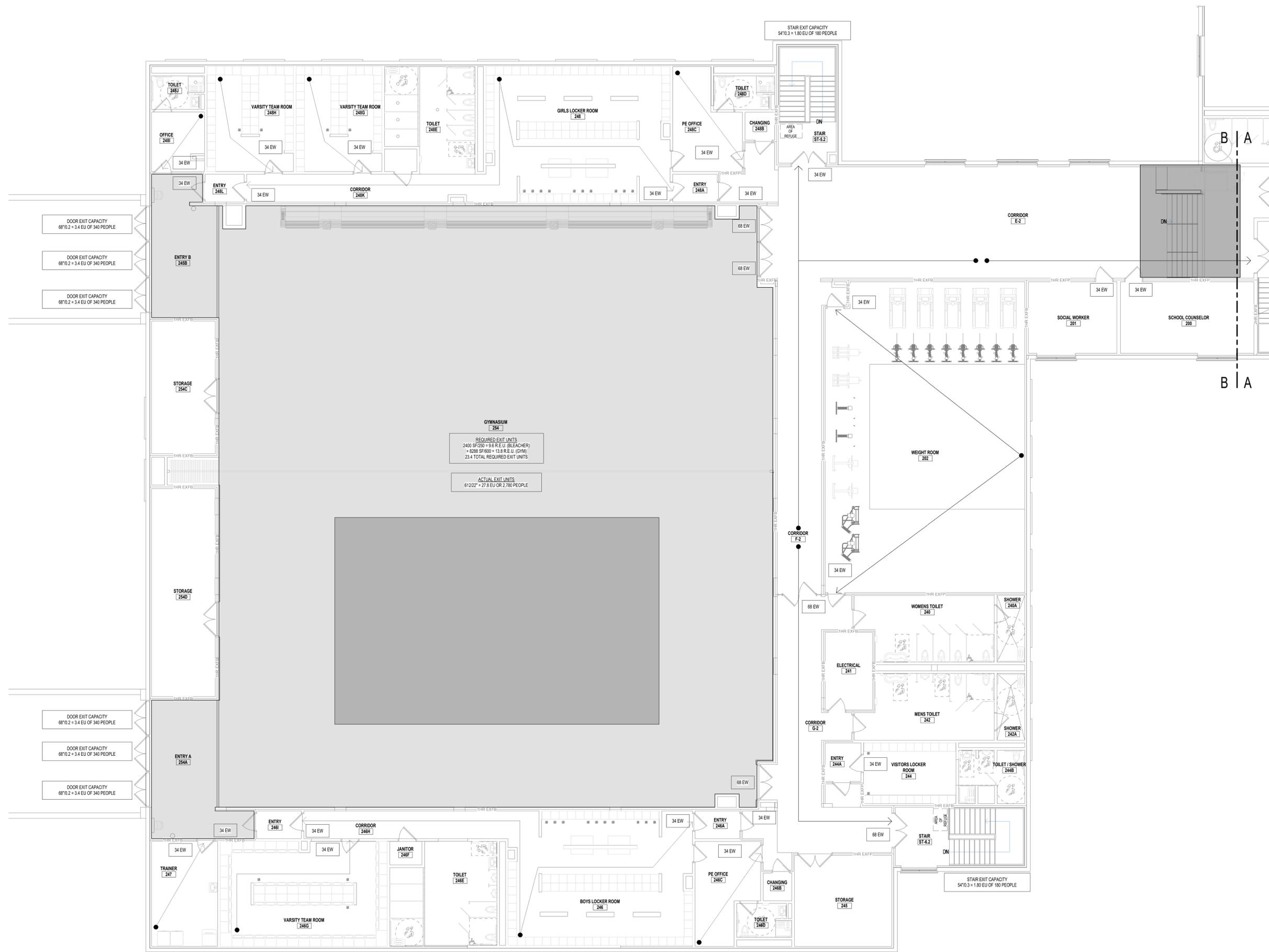
OCCUPANCY & EGRESS - SECOND FLOOR AREA A

SHEET NUMBER
CC-103

1 OCCUPANCY & EGRESS PLAN - SECOND FLOOR AREA A
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CODE COMPLIANCE LEGEND

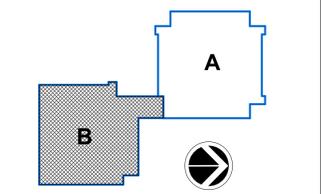
- AREA OF ALTERATIONS - LEVEL 1 (CHAPTER 6)
 - AREA OF ALTERATIONS - LEVEL 2 (CHAPTER 7)
 - EXISTING EGRESS WINDOW
 - EGRESS WINDOW
 - EXIT WIDTH PROVIDED
 - TRAVEL PATH TO EXIT
 - FIRE EXTINGUISHER CABINET
 - FIRE EXTINGUISHER
 - FIRE BLANKET
 - DRINKING FOUNTAIN
 - AREA OF REFUGE
 - EXIT
- * PREFIX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

FIRE-RATED LINE LEGEND:

- 1HR EXISD
- 1HR EXISTING SMOKE BARRIER
- 1HR EXIFB
- 1HR EXISTING FIRE BARRIER
- 2HR EXIFB
- 2HR EXISTING FIRE BARRIER
- 1HR EXFP
- 1HR EXISTING FIRE PARTITION
- 1HR FB
- 1HR FIRE BARRIER
- 1HR FP
- 1HR FIRE PARTITION

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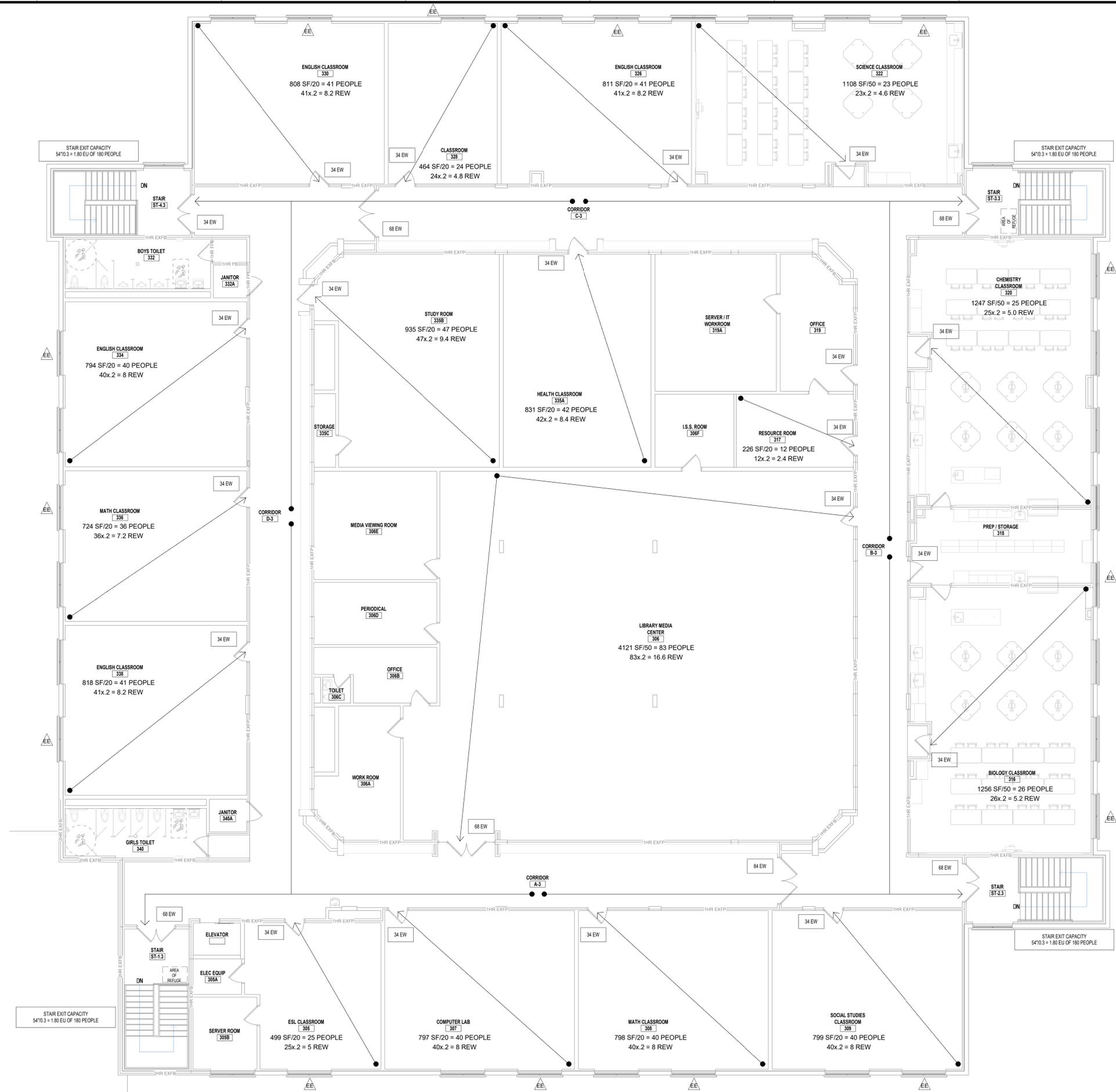
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OCCUPANCY & EGRESS - SECOND FLOOR AREA B

SHEET NUMBER
CC-104

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



1 OCCUPANCY & EGRESS PLAN - THIRD 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

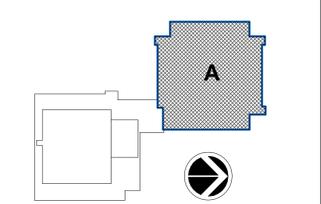
*PREFIX 'N' REPRESENT NEW, CONTRACTOR TO PROVIDE & INSTALL
*PREFIX 'E' REPRESENT EXISTING TO REMAIN

FIRE-RATED LINE LEGEND:

- 1HR EXISD
- 1HR EXISFB
- 2HR EXISFB
- 1HR EXFP
- 1HR FB
- 1HR FP
- 1HR EXISTING SMOKE BARRIER
- 1HR EXISTING FIRE BARRIER
- 2HR EXISTING FIRE BARRIER
- 1HR EXISTING FIRE PARTITION
- 1HR FIRE BARRIER
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OCCUPANCY & EGRESS - THIRD FLOOR AREA A

SHEET NUMBER
CC-105

3/17/2021 8:32:36 AM

PRE-ABATEMENT WORK NOTES:

1. THESE DRAWINGS 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.

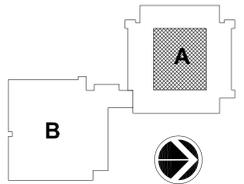
ASBESTOS REMOVAL GENERAL NOTES:

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).

KEY PLAN:



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

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

REV	DATE	DESCRIPTION

DRAWN BY JP	PROJECT NUMBER 2020-117
CHECKED BY RL	DATE 03/19/2021

**ASBESTOS ABATEMENT NOTES
AREA A**

SHEET NUMBER
HM-000

GENERAL NOTES:

- A. SEE DRAWING AA-000 FOR ASBESTOS NOTES.
- B. SEE ABATEMENT SPECIFICATION #3.17 FOR SPECIAL CONDITIONS AND PROJECT NOTES.

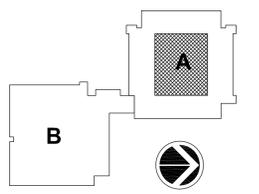
ACM LEGEND BASE BID:

-  SPOT REMOVAL OF FRIABLE ASBESTOS CONTAINING SPRAYED-ON FIREPROOFING FROM BOTTOM FLANGE OF STRUCTURAL STEEL BEAMS.

ACM LEGEND ALTERNATE BID:

-  REMOVAL OF FRIABLE ASBESTOS CONTAINING SPRAYED-ON FIREPROOFING FROM ENTIRE BOTTOM FLANGE OF STRUCTURAL STEEL BEAMS.

KEY PLAN:



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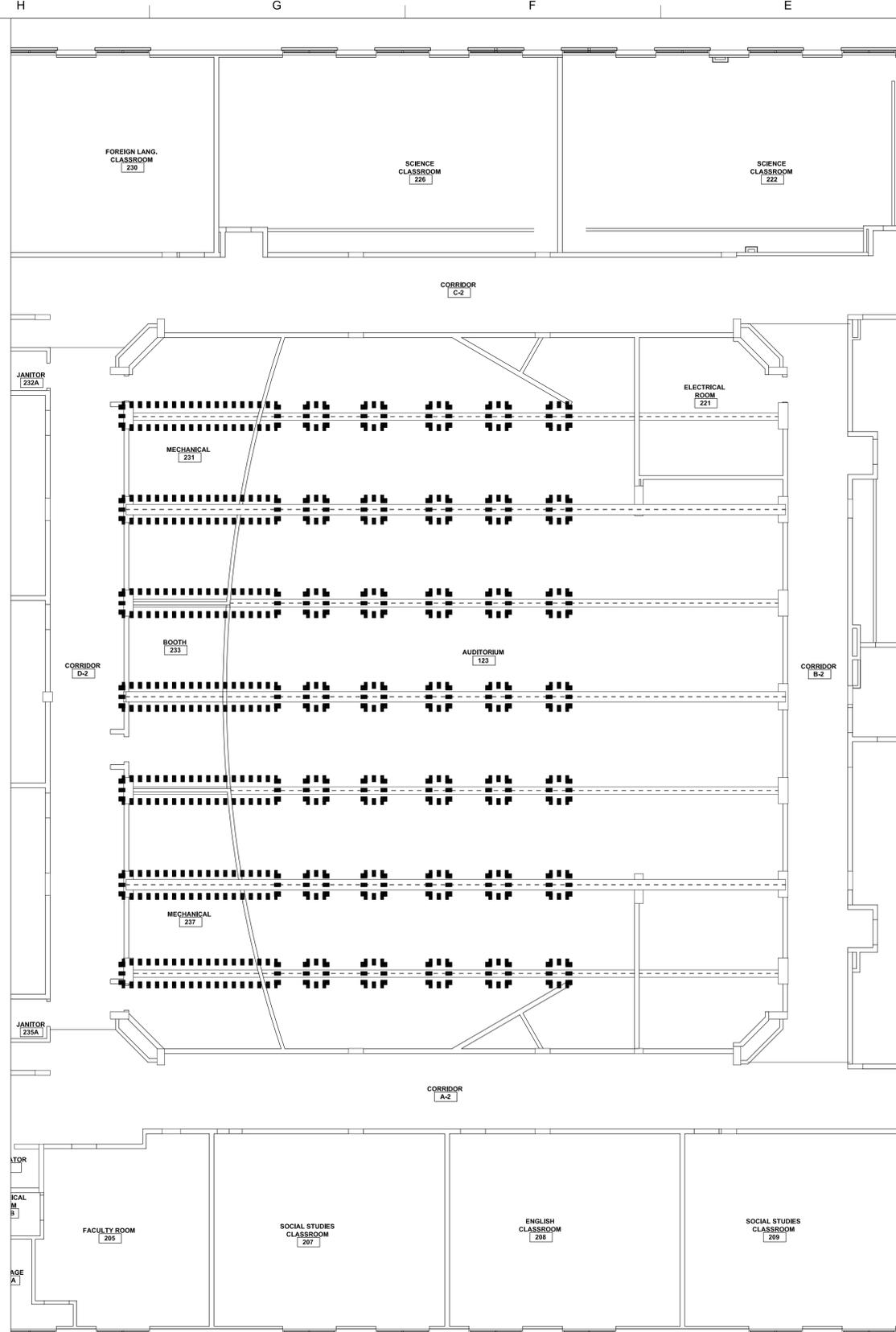
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JAMES L O'NEILL HIGH SCHOOL
HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

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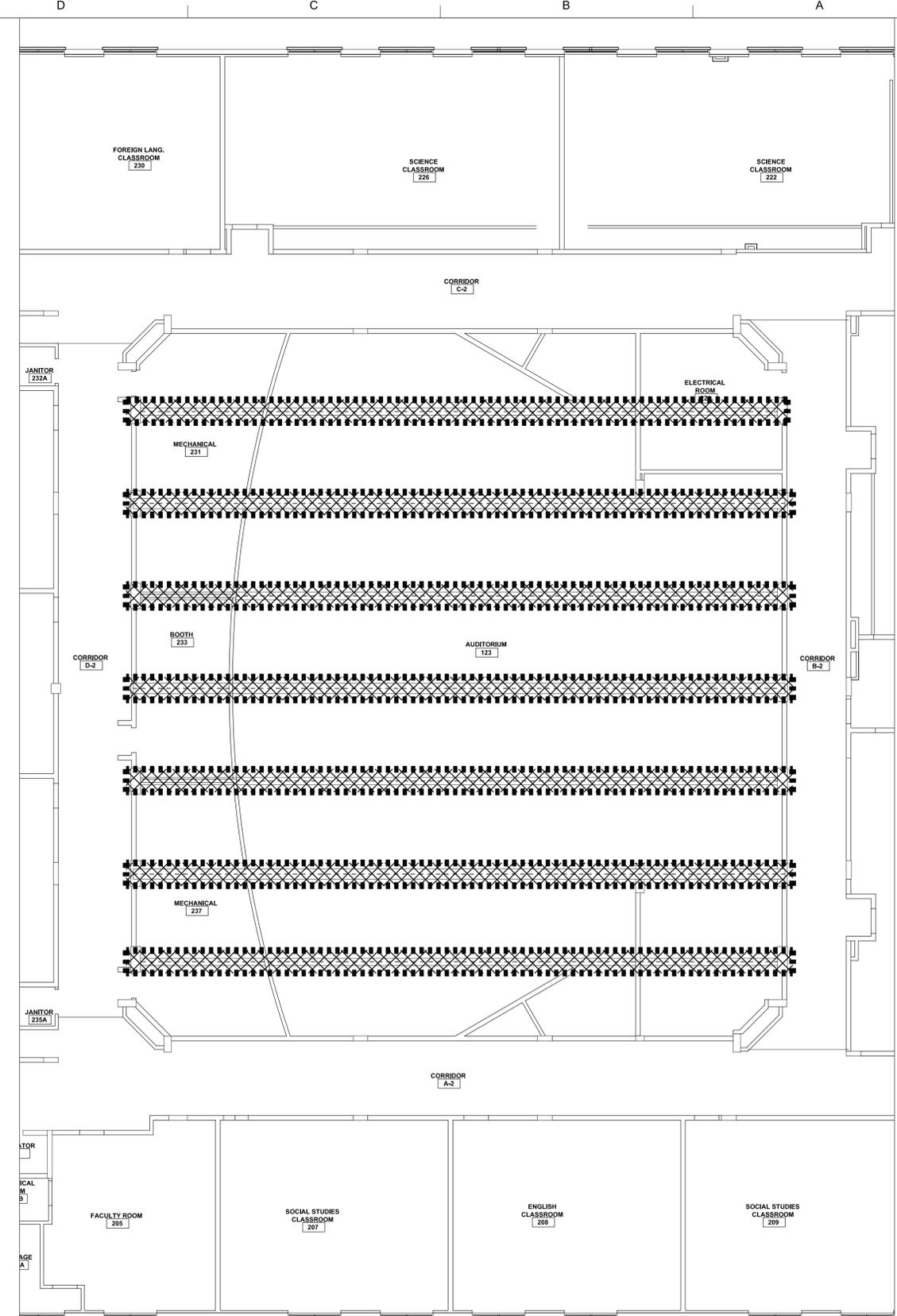
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**ASBESTOS ABATEMENT PLAN
AREA A**

SHEET NUMBER
HM-100

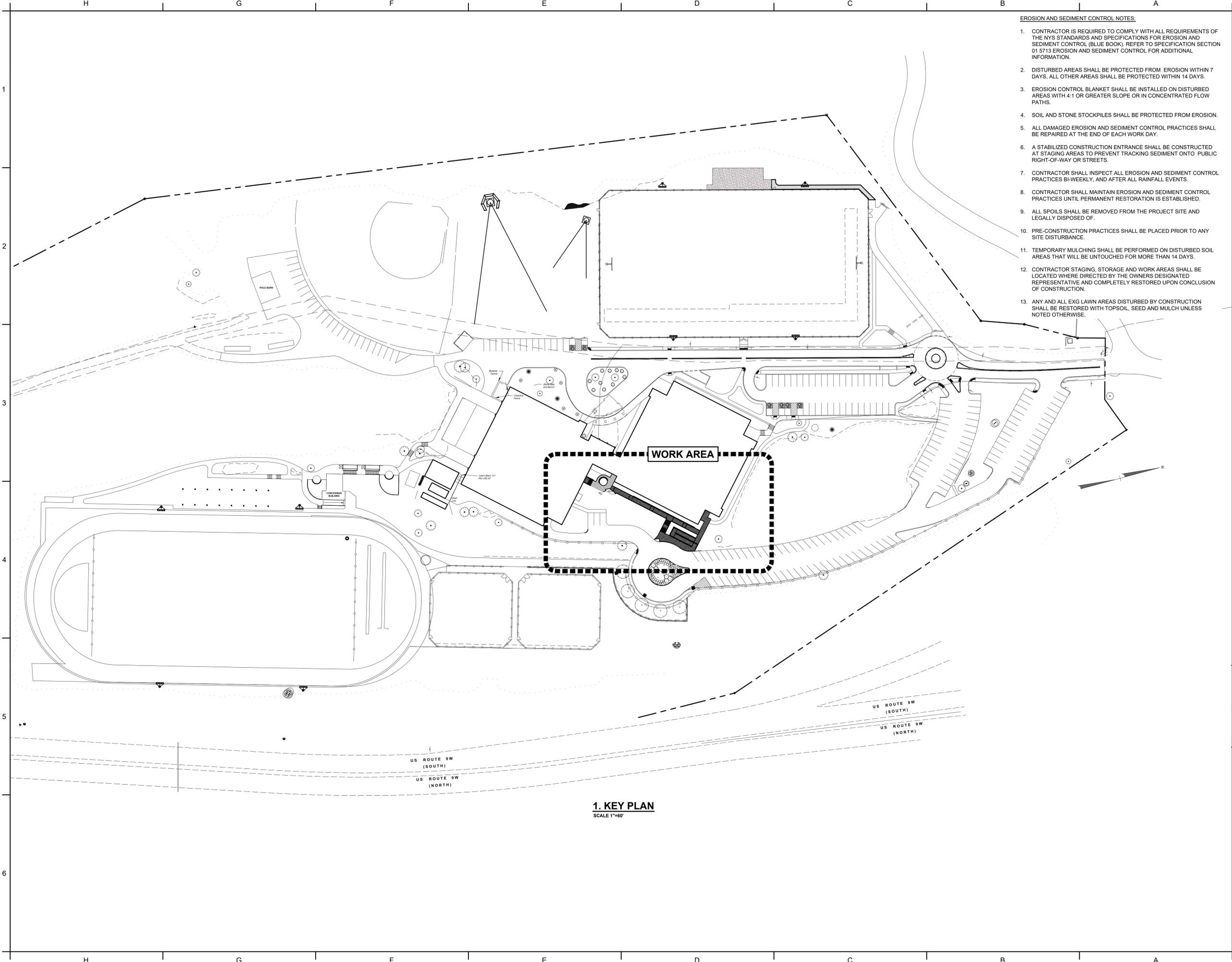


AUDITORIUM ASBESTOS ABATEMENT – BASE BID:



AUDITORIUM ASBESTOS ABATEMENT – ALTERNATE BID

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- EROSION AND SEDIMENT CONTROL NOTES:**
1. CONTRACTOR IS REQUIRED TO COMPLY WITH ALL REQUIREMENTS OF THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK). REFER TO SPECIFICATION SECTION 01 5713 EROSION AND SEDIMENT CONTROL FOR ADDITIONAL INFORMATION.
 2. DISTURBED AREAS SHALL BE PROTECTED FROM EROSION WITHIN 7 DAYS, ALL OTHER AREAS SHALL BE PROTECTED WITHIN 14 DAYS.
 3. EROSION CONTROL BLANKET SHALL BE INSTALLED ON DISTURBED AREAS WITH 4:1 OR GREATER SLOPE OR IN CONCENTRATED FLOW PATHS.
 4. SOIL AND STONE STOCKPILES SHALL BE PROTECTED FROM EROSION.
 5. ALL DAMAGED EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REPAIRED AT THE END OF EACH WORK DAY.
 6. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT STAGING AREAS TO PREVENT TRACKING SEDIMENT ONTO PUBLIC RIGHT-OF-WAY OR STREETS.
 7. CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL PRACTICES BI-WEEKLY, AND AFTER ALL RAINFALL EVENTS.
 8. CONTRACTOR SHALL MAINTAIN EROSION AND SEDIMENT CONTROL PRACTICES UNTIL PERMANENT RESTORATION IS ESTABLISHED.
 9. ALL SPOILS SHALL BE REMOVED FROM THE PROJECT SITE AND LEGALLY DISPOSED OF.
 10. PRE-CONSTRUCTION PRACTICES SHALL BE PLACED PRIOR TO ANY SITE DISTURBANCE.
 11. TEMPORARY MULCHING SHALL BE PERFORMED ON DISTURBED SOIL AREAS THAT WILL BE UNTOUCHED FOR MORE THAN 14 DAYS.
 12. CONTRACTOR STAGING, STORAGE AND WORK AREAS SHALL BE LOCATED WHERE DIRECTED BY THE OWNERS DESIGNATED REPRESENTATIVE AND COMPLETELY RESTORED UPON CONCLUSION OF CONSTRUCTION.
 13. ANY AND ALL EXG LAWN AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED WITH TOPSOIL, SEED AND MULCH UNLESS NOTED OTHERWISE.

- GENERAL NOTES:**
1. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE LOCATION OF WHICH IS PRESENTLY NOT KNOWN.
 2. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS WILL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT PRIOR TO CONSTRUCTION.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SATISFYING THEMSELVES AS TO THE CHARACTERISTICS AND EXTENT OF SUBSURFACE CONDITIONS AS PER THE SUBSURFACE INVESTIGATION REPORT PROVIDED IN THE PROJECT MANUAL.
 4. ASPHALT PAVEMENT AND CONCRETE TO REMAIN SHALL BE NEATLY SAW CUT PRIOR TO DEMOLITION OF ADJACENT PAVEMENTS.
 5. WITH THE EXCEPTION OF UNFORESEEN CIRCUMSTANCES, THE CONTRACTOR SHALL ISSUE A 24 HOUR PRIOR NOTICE TO THE OWNER WHEN THE PERFORMANCE OF HIS WORK REQUIRES THE INTERRUPTION OF UTILITY SERVICES.
 6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OF DIMENSIONS, ELEVATIONS AND LOCATIONS DURING PRE-CONSTRUCTION FIELD VERIFICATION BEFORE CONSTRUCTION BEGINS. ANY WORK COMPLETED PRIOR TO PROVIDING WRITTEN NOTIFICATION OF DISCREPANCIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT.
 7. EXCAVATION SPOILS SHALL BE SUITABLY DISPOSED OF BY THE CONTRACTOR OFF-SITE. THE CONTRACTOR SHALL ABIDE BY ALL NYSDEC AND NYSDOH REGULATIONS AND STANDARDS ASSOCIATED WITH THE PROJECT.
 8. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF LOCATION AND STAKEOUT OF EXISTING UNDERGROUND UTILITIES.

WORK AREA

1. KEY PLAN
SCALE 1"=60'

KEY PLAN:

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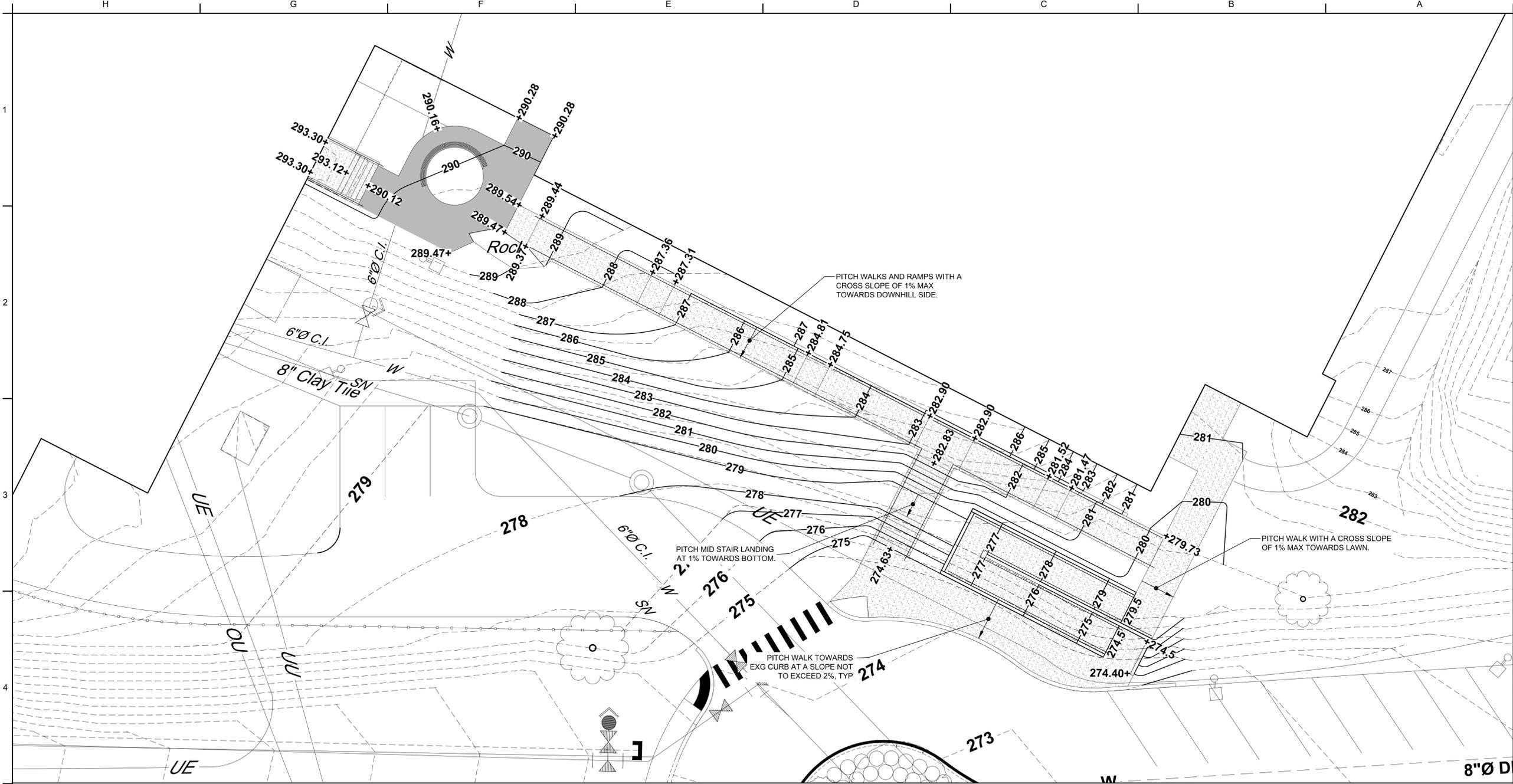
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CHECKED BY JTM	DATE 03/19/2021

KEY PLAN

SHEET NUMBER
L-100

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1. GRADING PLAN
SCALE 1"=10'

KEY PLAN:

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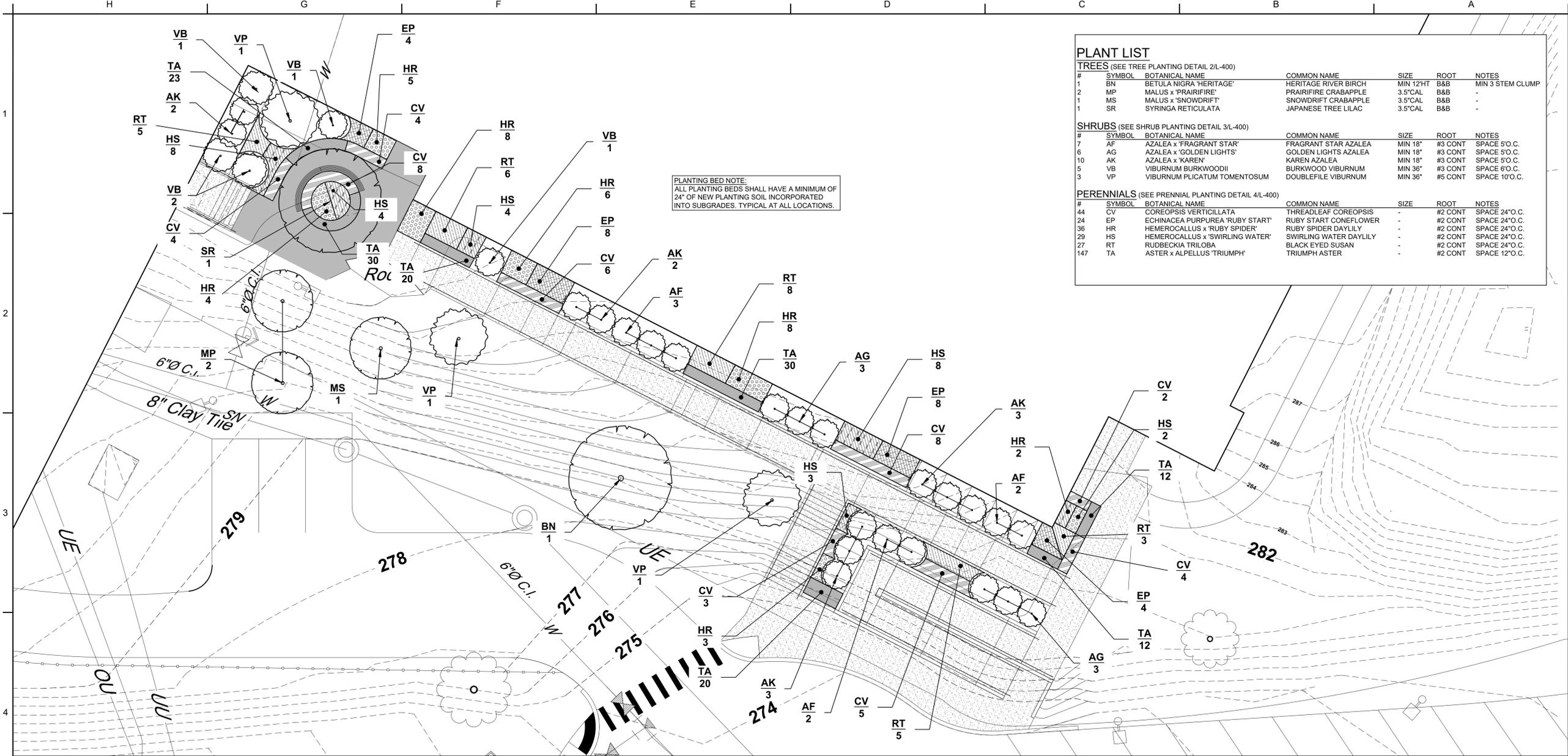
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GRADING PLAN

SHEET NUMBER
L-300

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1. PLANTING PLAN
SCALE 1"=10'

PLANT LIST

TREES (SEE TREE PLANTING DETAIL 2/L-400)

#	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
1	BN	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	MIN 12"HT	B&B	MIN 3 STEM CLUMP
2	MP	MALUS x 'PRAIRIFIRE'	PRAIRIFIRE CRABAPPLE	3.5"CAL	B&B	-
1	MS	MALUS x 'SNOWDRIFT'	SNOWDRIFT CRABAPPLE	3.5"CAL	B&B	-
1	SR	SYRINGA RETICULATA	JAPANESE TREE LILAC	3.5"CAL	B&B	-

SHRUBS (SEE SHRUB PLANTING DETAIL 3/L-400)

#	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
7	AF	AZALEA x 'FRAGRANT STAR'	FRAGRANT STAR AZALEA	MIN 18"	#3 CONT	SPACE 5'0.C.
6	AG	AZALEA x 'GOLDEN LIGHTS'	GOLDEN LIGHTS AZALEA	MIN 18"	#3 CONT	SPACE 5'0.C.
10	AK	AZALEA x 'KAREN'	KAREN AZALEA	MIN 18"	#3 CONT	SPACE 5'0.C.
5	VB	VIBURNUM BURKWOODII	BURKWOOD VIBURNUM	MIN 18"	#3 CONT	SPACE 6'0.C.
3	VP	VIBURNUM PLICATUM TOMENTOSUM	DOUBLEFILE VIBURNUM	MIN 36"	#5 CONT	SPACE 10'0.C.

PERENNIALS (SEE PERENNIAL PLANTING DETAIL 4/L-400)

#	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
44	CV	COREOPSIS VERTICILLATA	THREDFEAF COREOPSIS	-	#2 CONT	SPACE 24"O.C.
24	EP	ECHINACEA PURPUREA 'RUBY STAR'	RUBY STAR CONEFLOWER	-	#2 CONT	SPACE 24"O.C.
36	HR	HEMEROCALLUS x 'RUBY SPIDER'	RUBY SPIDER DAYLILY	-	#2 CONT	SPACE 24"O.C.
29	HS	HEMEROCALLUS x 'SWIRLING WATER'	SWIRLING WATER DAYLILY	-	#2 CONT	SPACE 24"O.C.
27	RT	RUDBECKIA TRILOBA	BLACK EYED SUSAN	-	#2 CONT	SPACE 24"O.C.
147	TA	ASTER x ALPELLUS 'TRiumPH'	TRiumPH ASTER	-	#2 CONT	SPACE 12"O.C.

- DRAWING NOTES**
- ALL GENERAL NOTES SHALL BE INCLUDED AS PART OF THE PLANTING NOTES.
 - PLANTING BEDS: CONTRACTOR SHALL EXCAVATE AND REMOVE ALL EXISTING MATERIALS ENCOUNTERED IN PLANTING AREAS TO A MINIMUM DEPTH OF 24" DEEP, OR UNTIL NATIVE SUB GRADES ARE ENCOUNTERED. LOOSEN SUB GRADE SOILS TO A MINIMUM DEPTH OF 12" AND BACKFILL EXCAVATIONS WITH APPROVED PLANTING SOIL.
 - PLANTING SOILS: CONTRACTOR SHALL HAVE ON-SITE SOILS PLANNED FOR USE AS BACKFILL IN PLANTING BEDS TESTED BY AN APPROVED TESTING LAB AND AMEND THE SOILS AS RECOMMENDED. THE SOIL SHALL BE AMENDED AS RECOMMENDED PER THE LAB RESULTS PRIOR TO BACKFILLING. CONTRACTOR MAY ALSO IMPORT APPROVED PLANTING SOILS FROM AN APPROVED SOURCE.
 - BACKFILL 3-4" LAYERS OF APPROVED SOIL AND CONSOLIDATE EACH LAYER WITH WATER TO ELIMINATE VOIDS AND AIR POCKETS BEFORE PLACING SUBSEQUENT LAYERS. CONTINUE UNTIL BACKFILL HAS REACHED FINISHED GRADE. WATER THOROUGHLY WHEN EXCAVATION IS BACK-FILLED AND CONTINUE WATERING UNTIL SATURATED.
 - CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING AND NEW UTILITY LINE LOCATIONS PRIOR TO PLANTING AND REPORT ANY CONFLICT TO THE OWNERS REPRESENTATIVE.
 - ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE AMERICAN SOCIETY OF NURSERY MEN, INC. LATEST EDITION.
 - MULCHES: PROVIDE APPROVED SHREDED HARDWOOD BARK MULCH AS SPECIFIED.
 - ALL PLANTS SHALL BE PLUMB VERTICALLY AFTER SETTLING.
 - WATERING: FLOOD ALL PLANTS WITH WATER TWICE WITHIN 24 HOURS AFTER PLANTING.
 - IN CASE OF DISCREPANCIES BETWEEN THE QUANTITIES SHOWN ON THE PLANT SCHEDULE AND THE QUANTITIES SHOWN ON THE PLANTING PLAN, THE QUANTITIES ON THE PLANTING PLAN SHALL GOVERN.

KEY PLAN:

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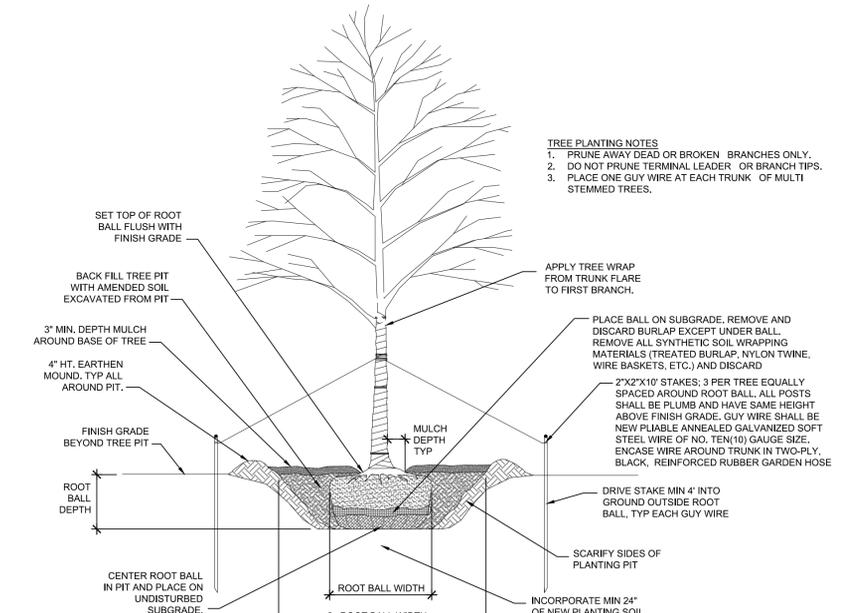
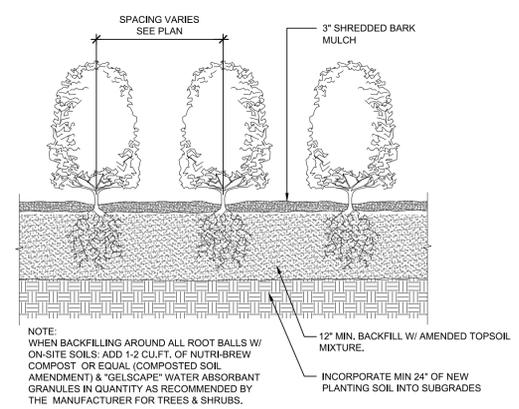
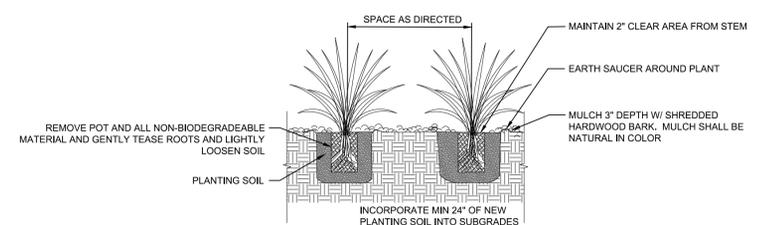
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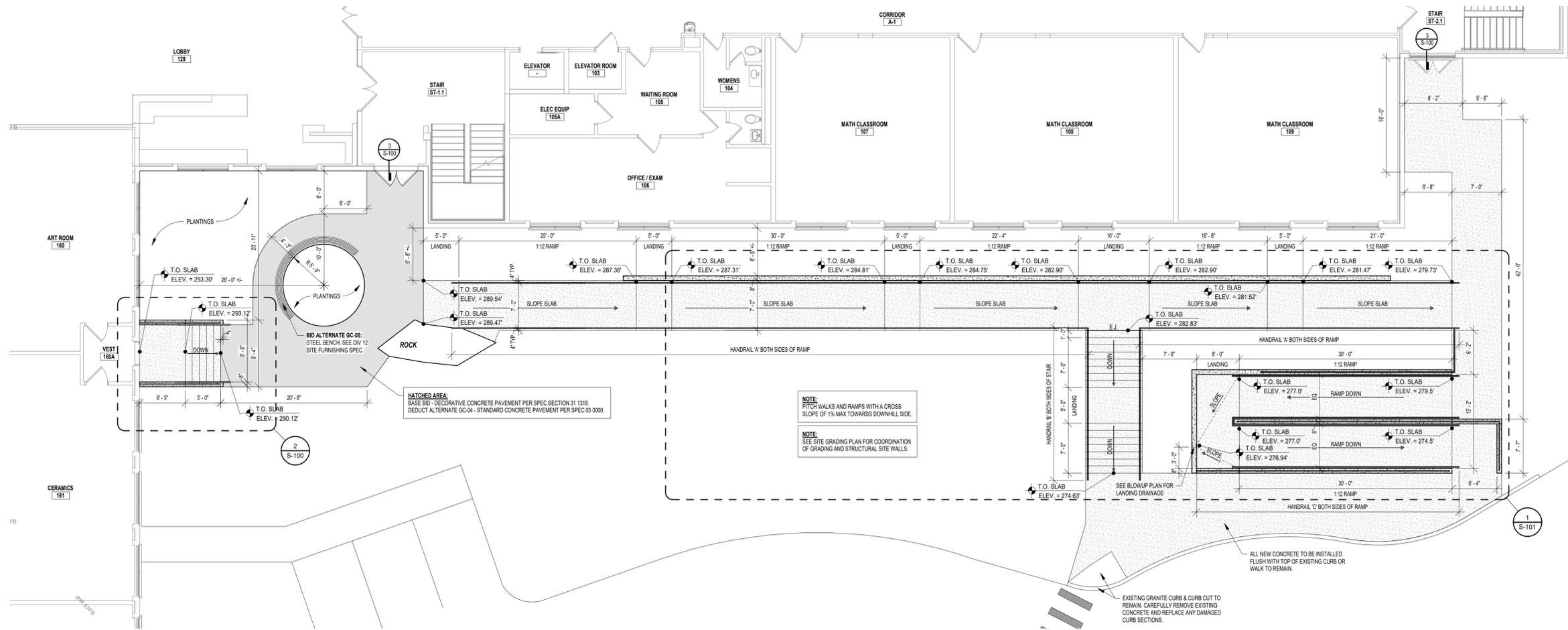
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PLANTING PLAN

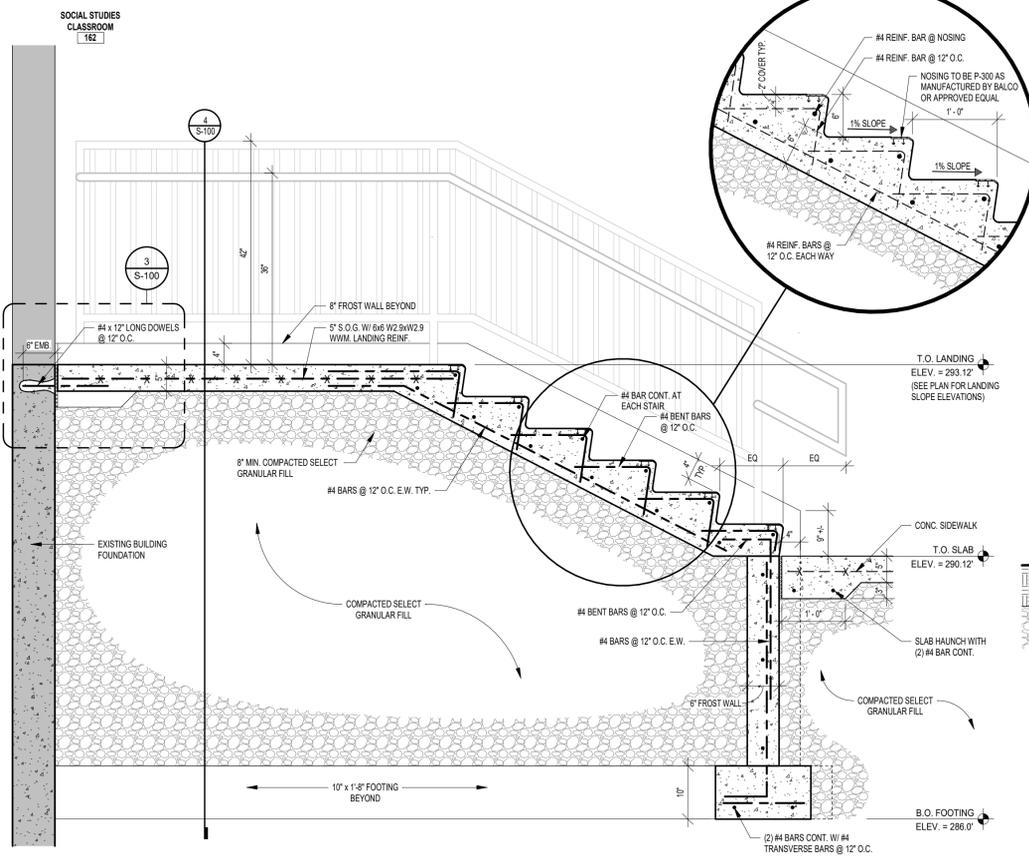
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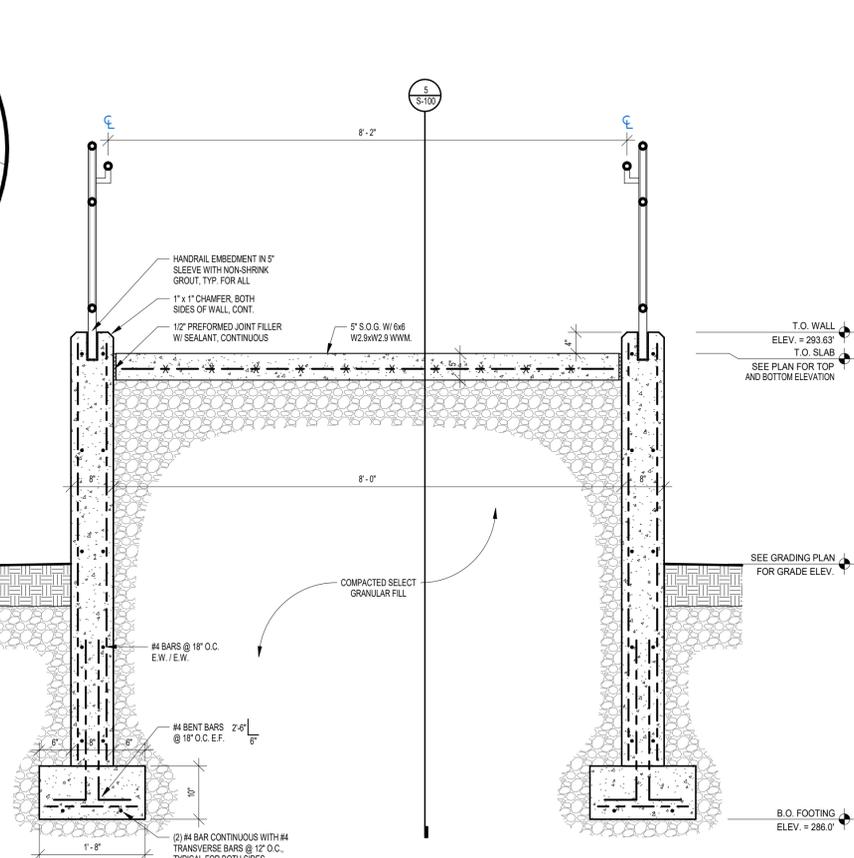




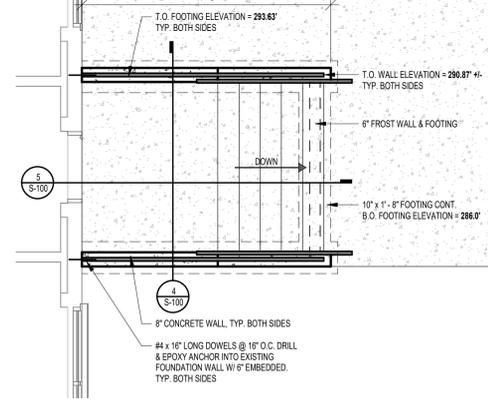
1 PARTIAL SITE PLAN - RAMPS AND STAIRS
SCALE: 1/8" = 1'-0"



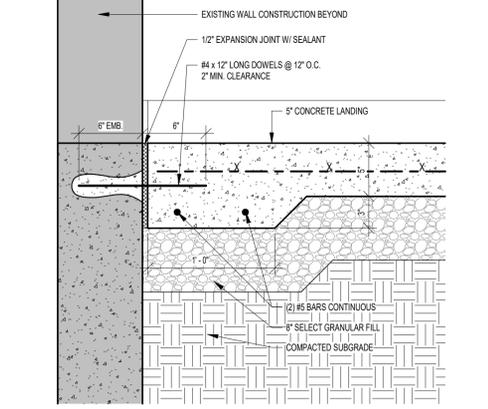
5 SECTION DETAIL - UPPER STAIRS
SCALE: 3/4" = 1'-0"



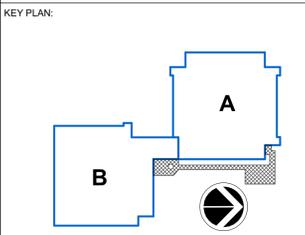
4 SECTION DETAIL - UPPER STAIRS
SCALE: 3/4" = 1'-0"



2 ENLARGED FLOOR PLAN - UPPER STAIRS
SCALE: 1/4" = 1'-0"



3 TYPICAL EXTERIOR THRESHOLD DETAIL
SCALE: 1 1/2" = 1'-0"



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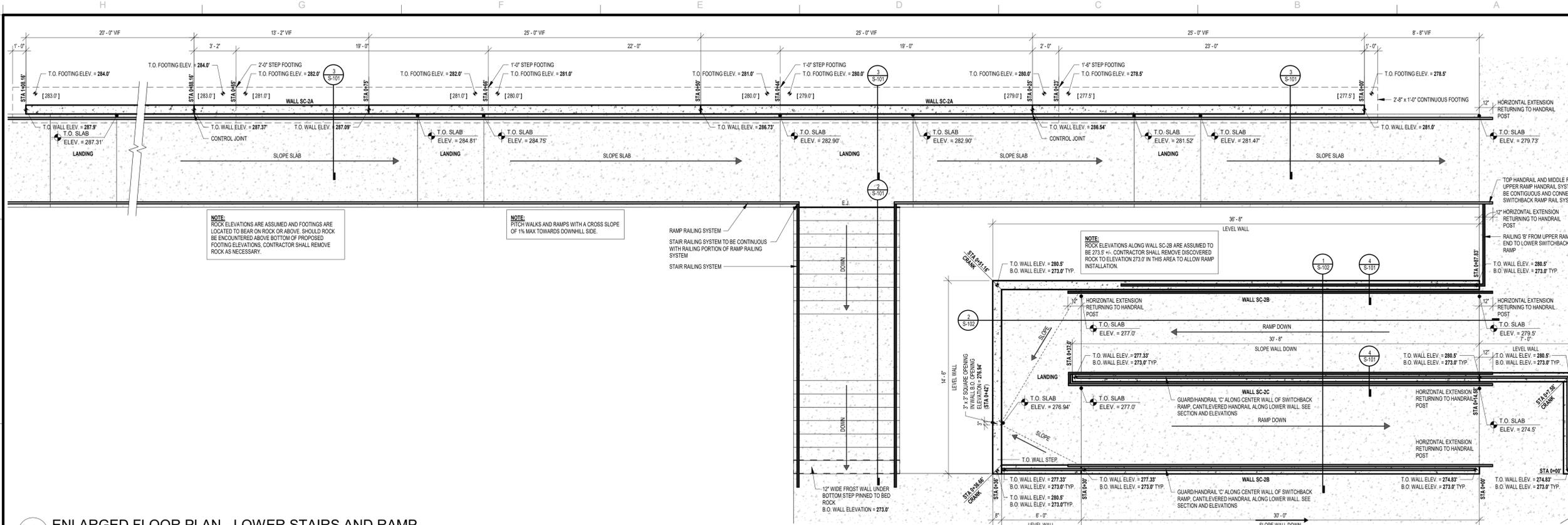
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RAMP AND STAIRS SECTIONS AND DETAILS

SHEET NUMBER: **S-100**

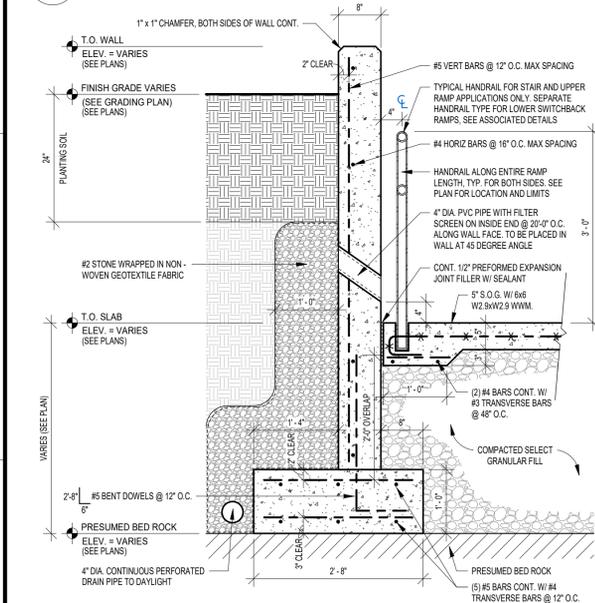
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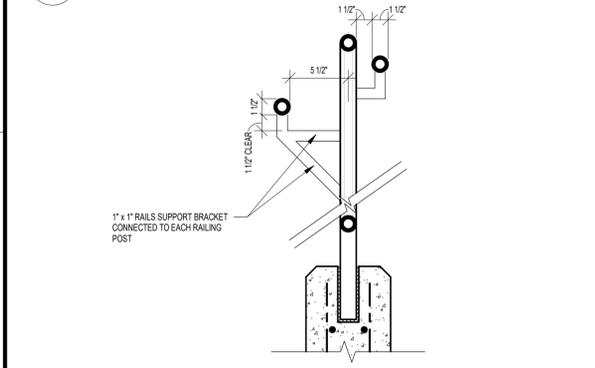
STRUCTURAL LEGEND:

- [XXXX] BOTTOM OF FOOTING ELEVATIONS
- T.O.W. TOP OF WALL
- B.O.W. BOTTOM OF WALL

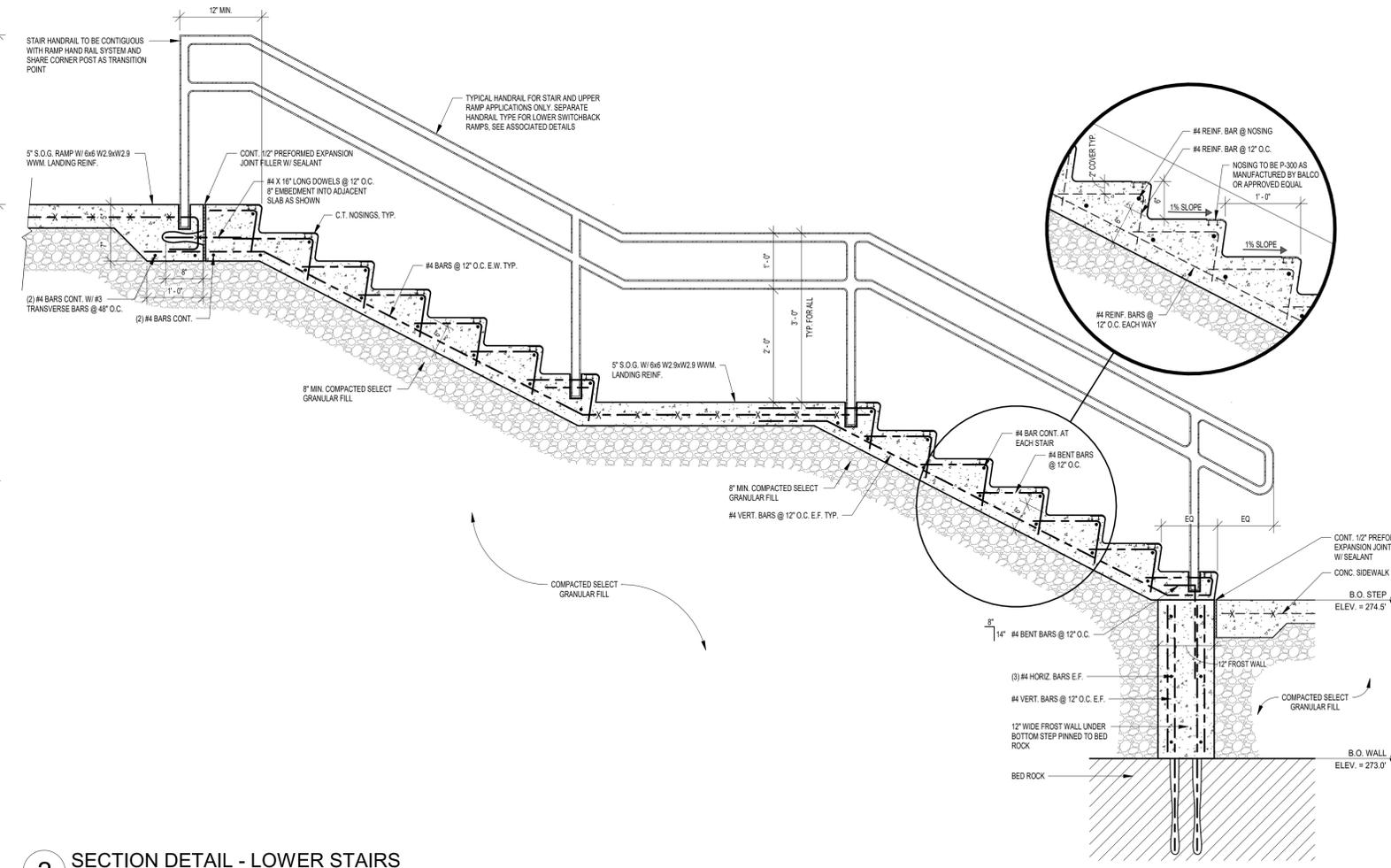
1 ENLARGED FLOOR PLAN - LOWER STAIRS AND RAMP
SCALE: 1/4" = 1'-0"



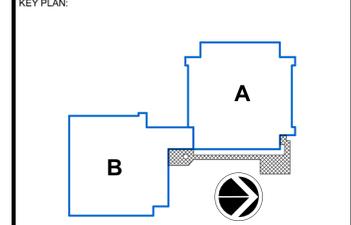
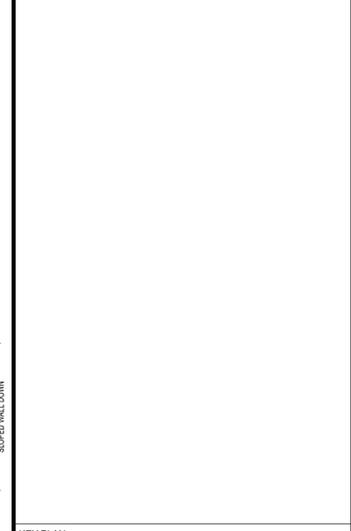
3 SECTION DETAIL - TYPICAL RETAINING WALL
SCALE: 3/4" = 1'-0"



4 HANDRAIL SUPPORT BRACKET DETAIL
SCALE: 1 1/2" = 1'-0"



2 SECTION DETAIL - LOWER STAIRS
SCALE: 3/4" = 1'-0"



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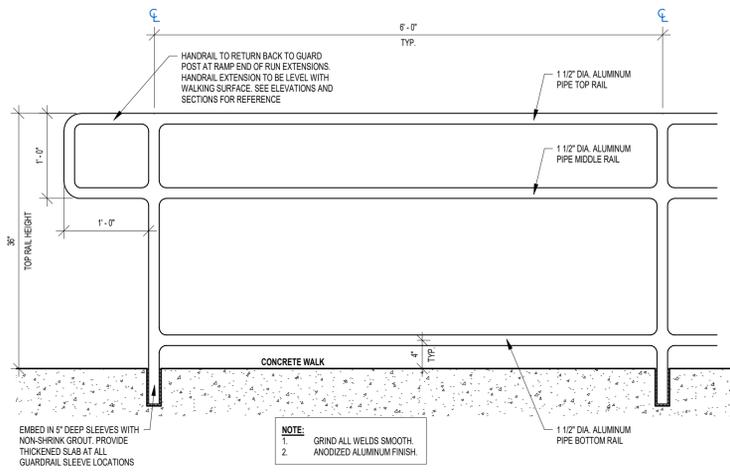
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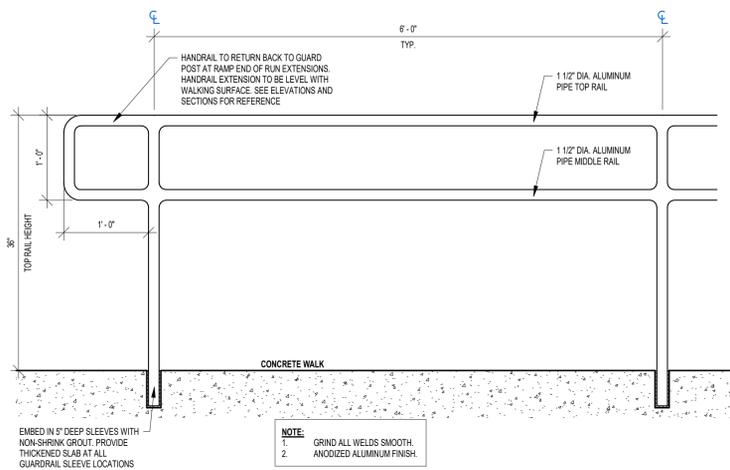
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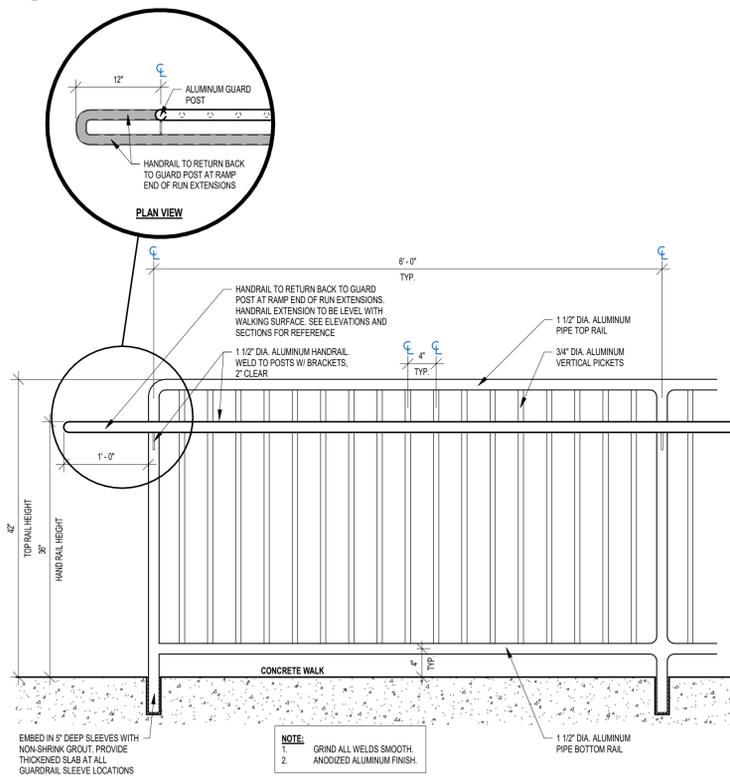
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RAMP AND STAIRS SECTIONS AND DETAILS
SHEET NUMBER: **S-101**



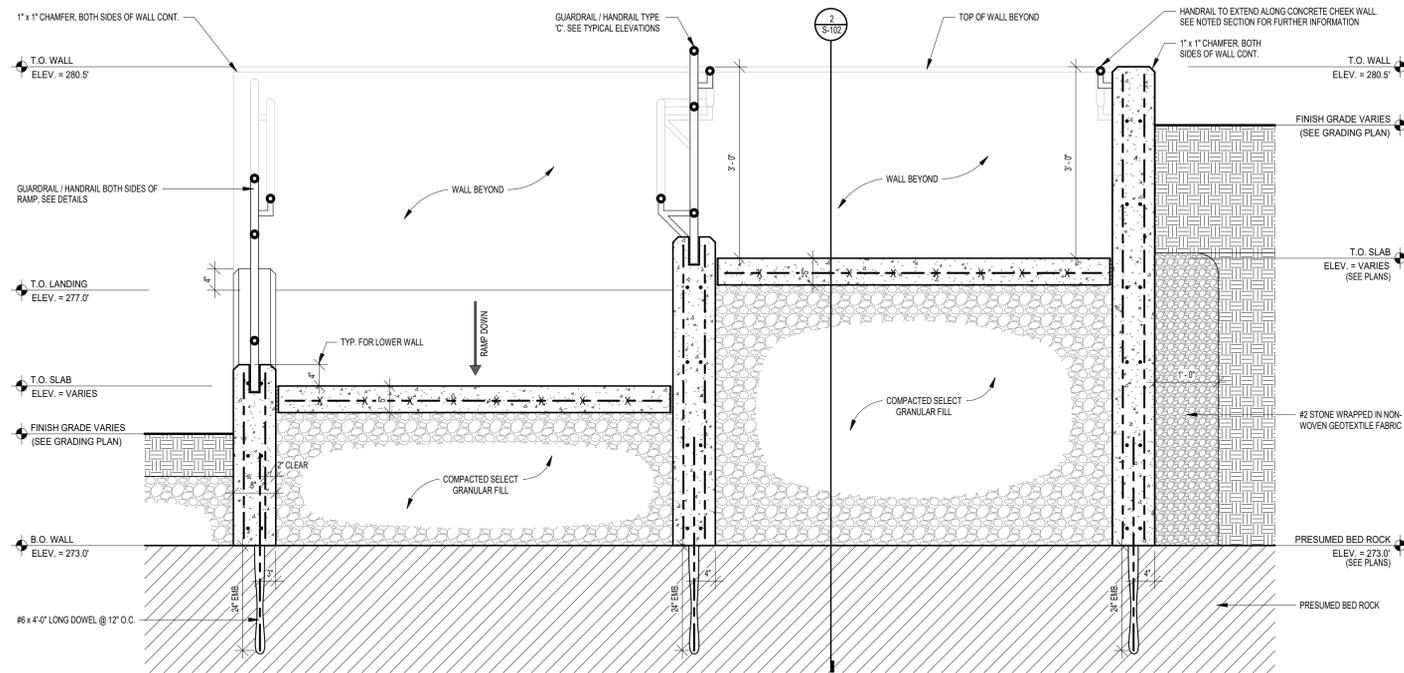
4 GUARDRAIL/HANDRAIL TYPICAL DETAIL - TYPE A
SCALE: 1" = 1'-0"



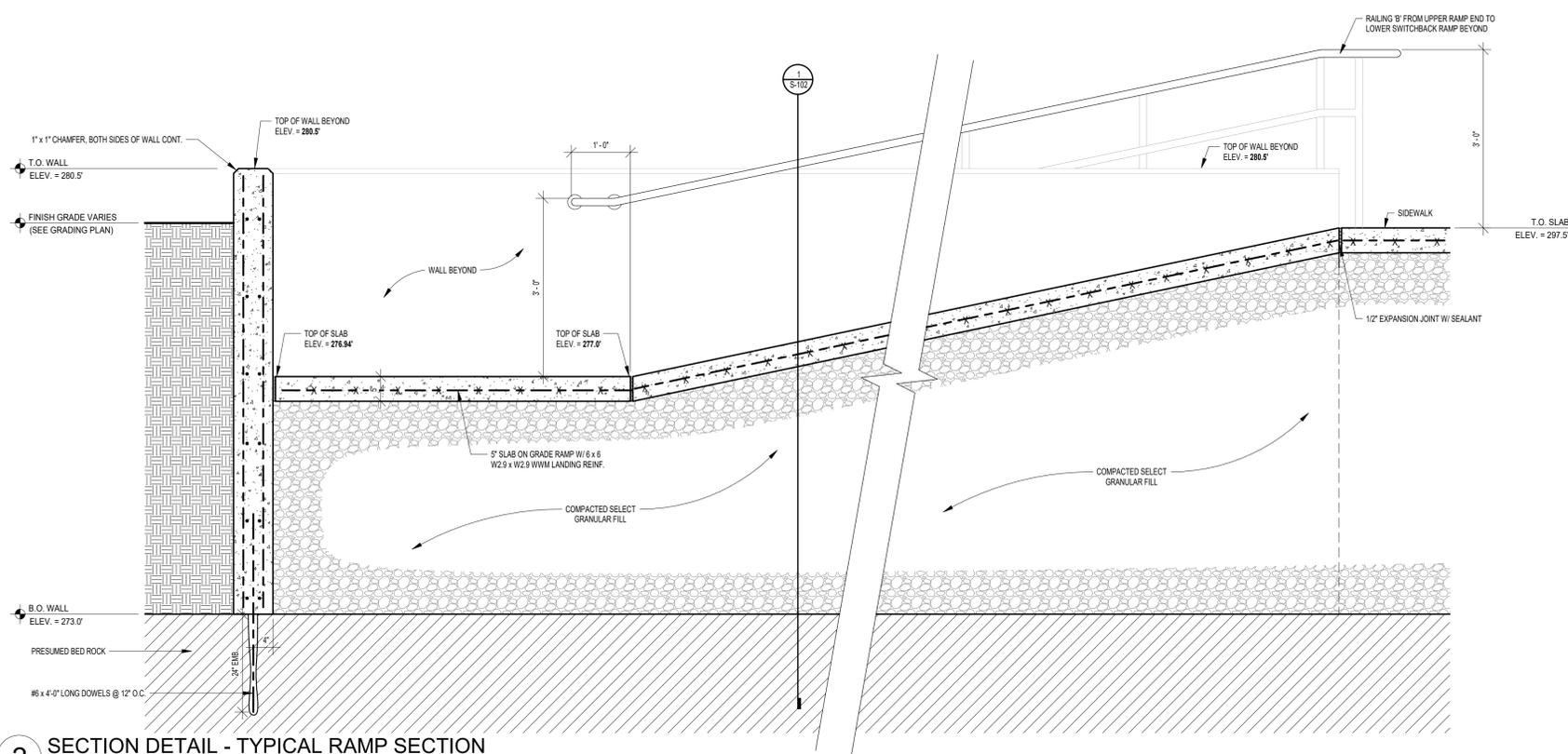
5 GUARDRAIL/HANDRAIL TYPICAL DETAIL - TYPE B
SCALE: 1" = 1'-0"



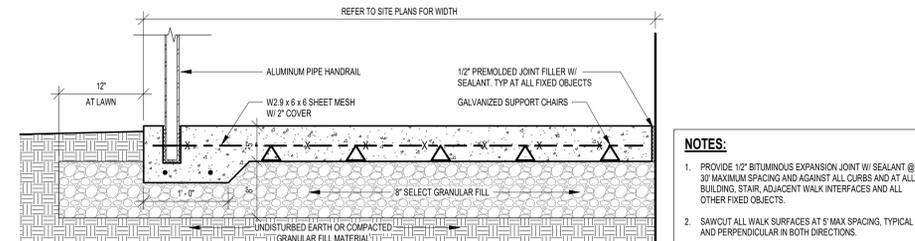
6 GUARDRAIL/HANDRAIL TYPICAL DETAIL TYPE C
SCALE: 1" = 1'-0"



1 SECTION DETAIL - TYPICAL RAMP SECTION
SCALE: 3/4" = 1'-0"

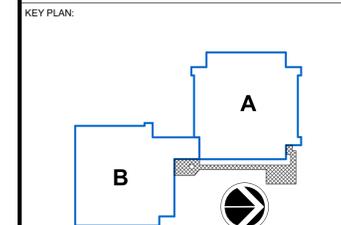


2 SECTION DETAIL - TYPICAL RAMP SECTION
SCALE: 3/4" = 1'-0"



3 CONCRETE SIDEWALK DETAIL
SCALE: 1" = 1'-0"

- NOTES:**
- IF ROCK IS ENCOUNTERED ABOVE ELEVATION 273.0', CONTRACTOR SHALL REMOVE ROCK TO A NEAT ELEVATION OF 273.0' TO ALLOW PINNING OF WALLS.
 - SHOULD ROCK BE BELOW ELEVATION 273.0', CONTRACTOR SHALL EXTEND BOTTOM OF WALL AND PIN TO ROCK.
 - CONTRACTOR SHALL FIELD VERIFY BED ROCK DEPTH PRIOR TO FABRICATION OF STEEL REINFORCEMENTS.
 - IF ROCK ELEVATIONS IS FOUND TO BE LOWER THAN 272.0', NOTIFY OWNER/ARCHITECT FOR ALTERNATE FOOTING DESIGN.



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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

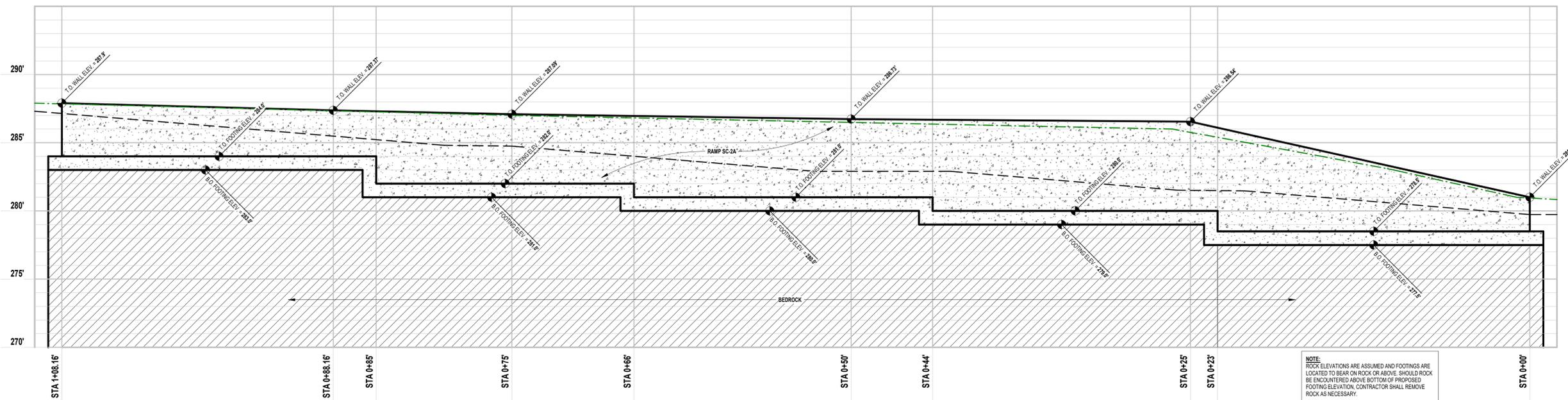
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LOWER RAMP SECTIONS & DETAILS

SHEET NUMBER

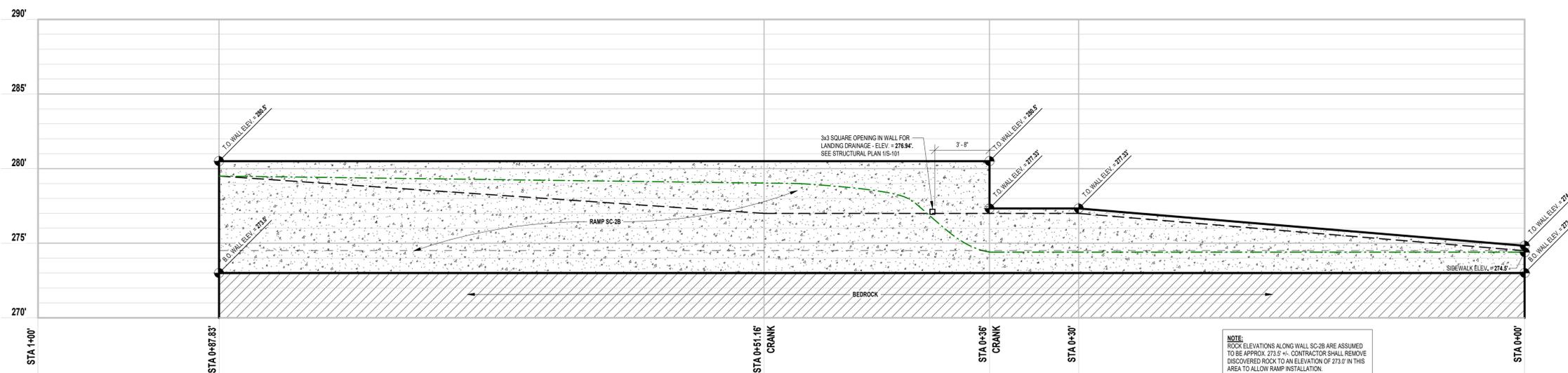
S-102

3/17/2021 8:38:30 AM



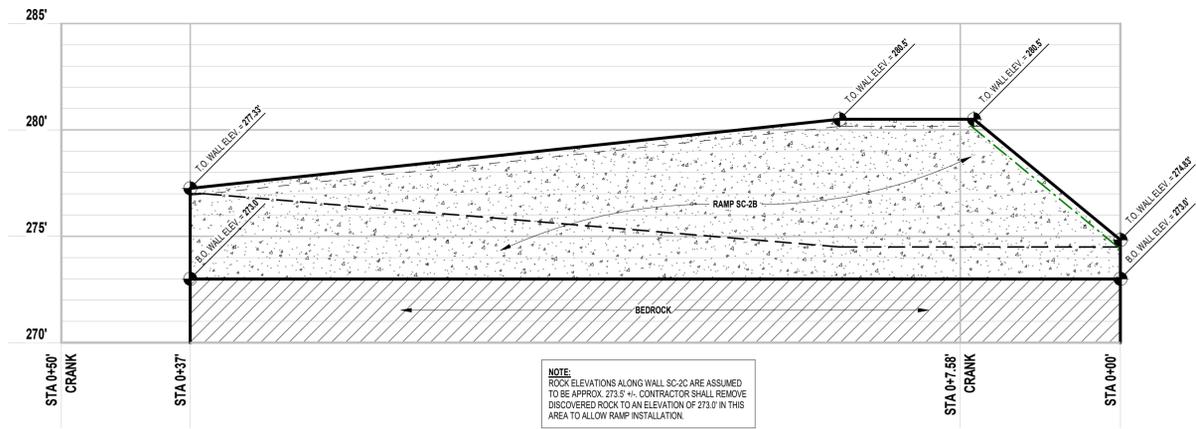
1 RAMP ELEVATION - WALL SC2A

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



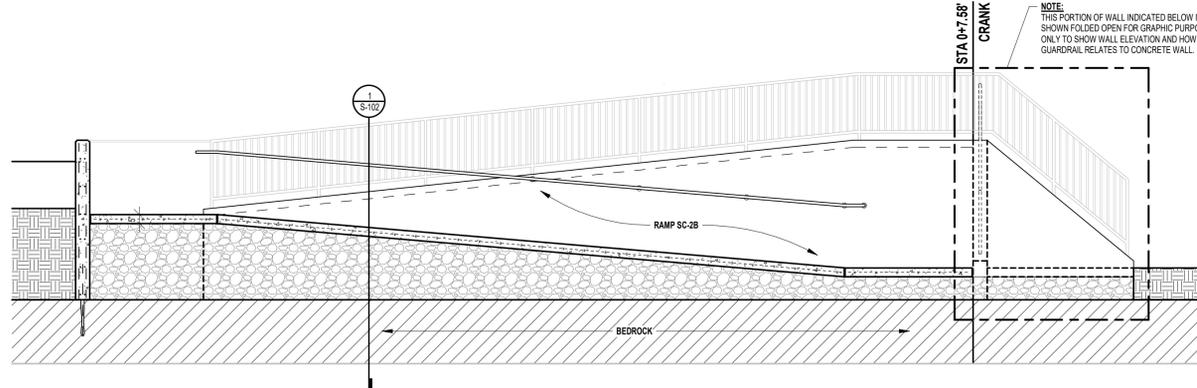
2 RAMP ELEVATION - WALL SC2B

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



3 RAMP ELEVATION - WALL SC2C

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



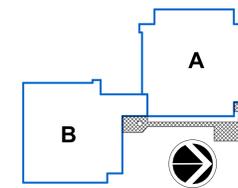
4 RAMP SECTION - WALL SC2C

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

RAMP ELEVATION LEGEND

-  CONCRETE RAMP
-  PRESUMED BEDROCK
-  TOP OF RAMP SLAB BEYOND
-  APPROX. FINISH GRADE ELEVATION

KEY PLAN:



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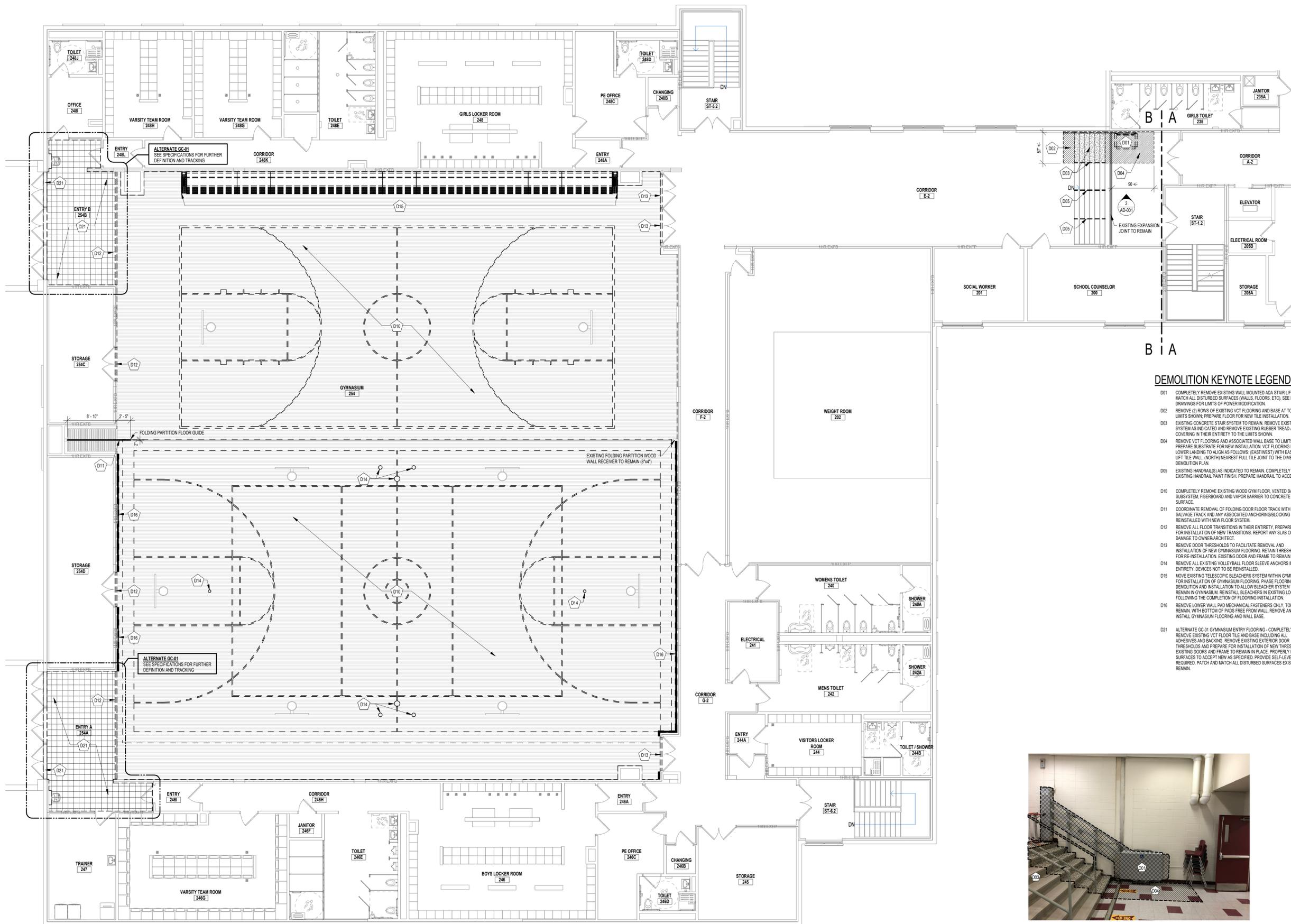
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RAMP ELEVATIONS

SHEET NUMBER

S-103



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



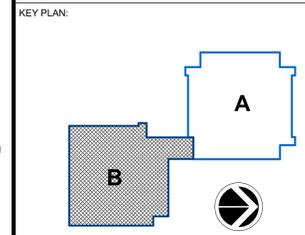
2 DEMOLITION REFERENCE PHOTO
SCALE: 1/2" = 1'-0"

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.



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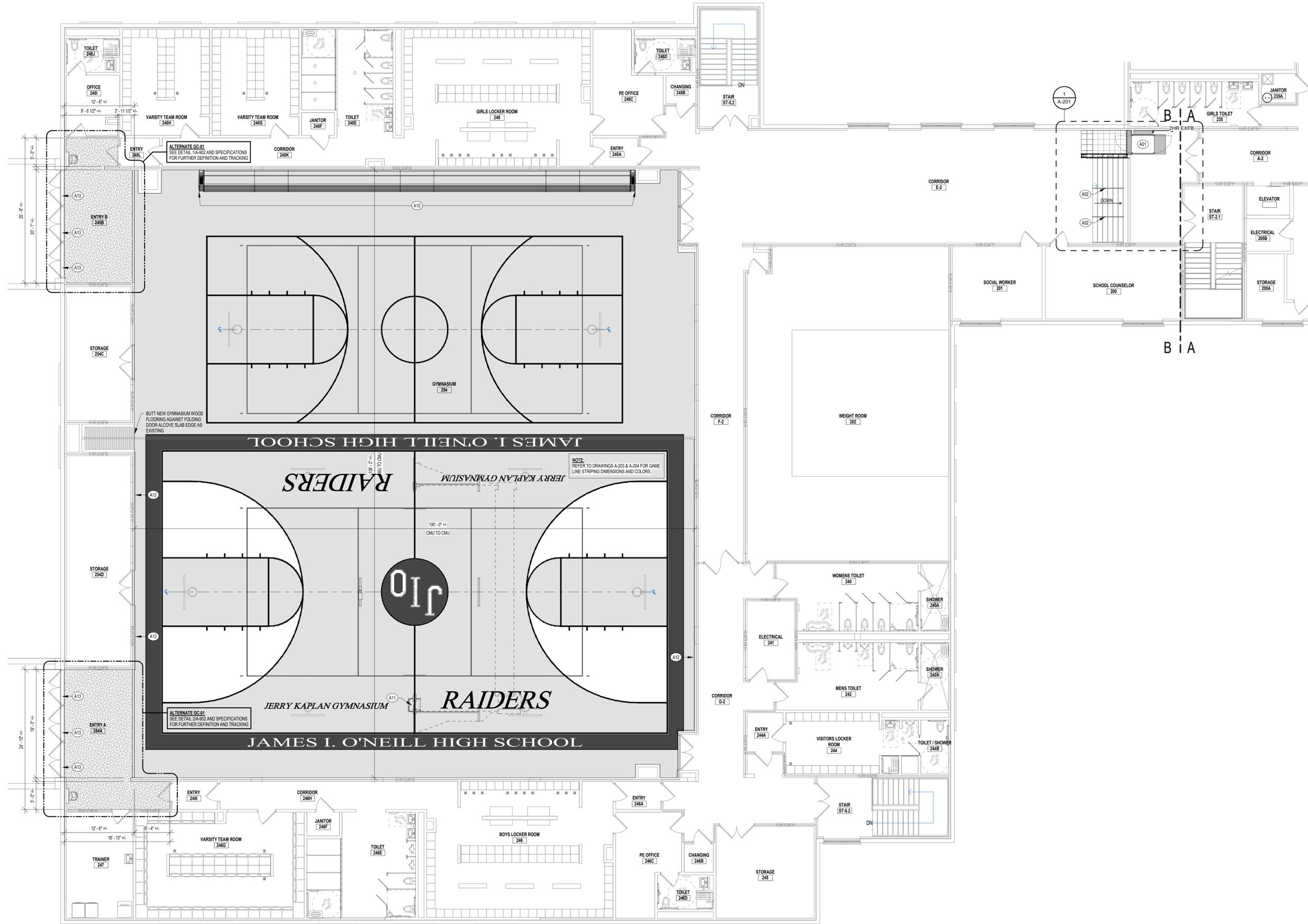
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DEMOLITION PLAN - SECOND FLOOR AREA B

SHEET NUMBER
AD-001



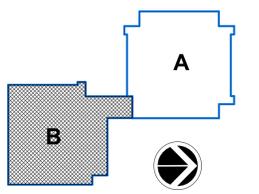
GENERAL FLOOR PLAN NOTES:

- 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 THEY WERE PREVIOUSLY REMOVED DURING DEMOLITION PHASE.
- A11 INSTALL NEW RETRACTABLE VOLLEYBALL 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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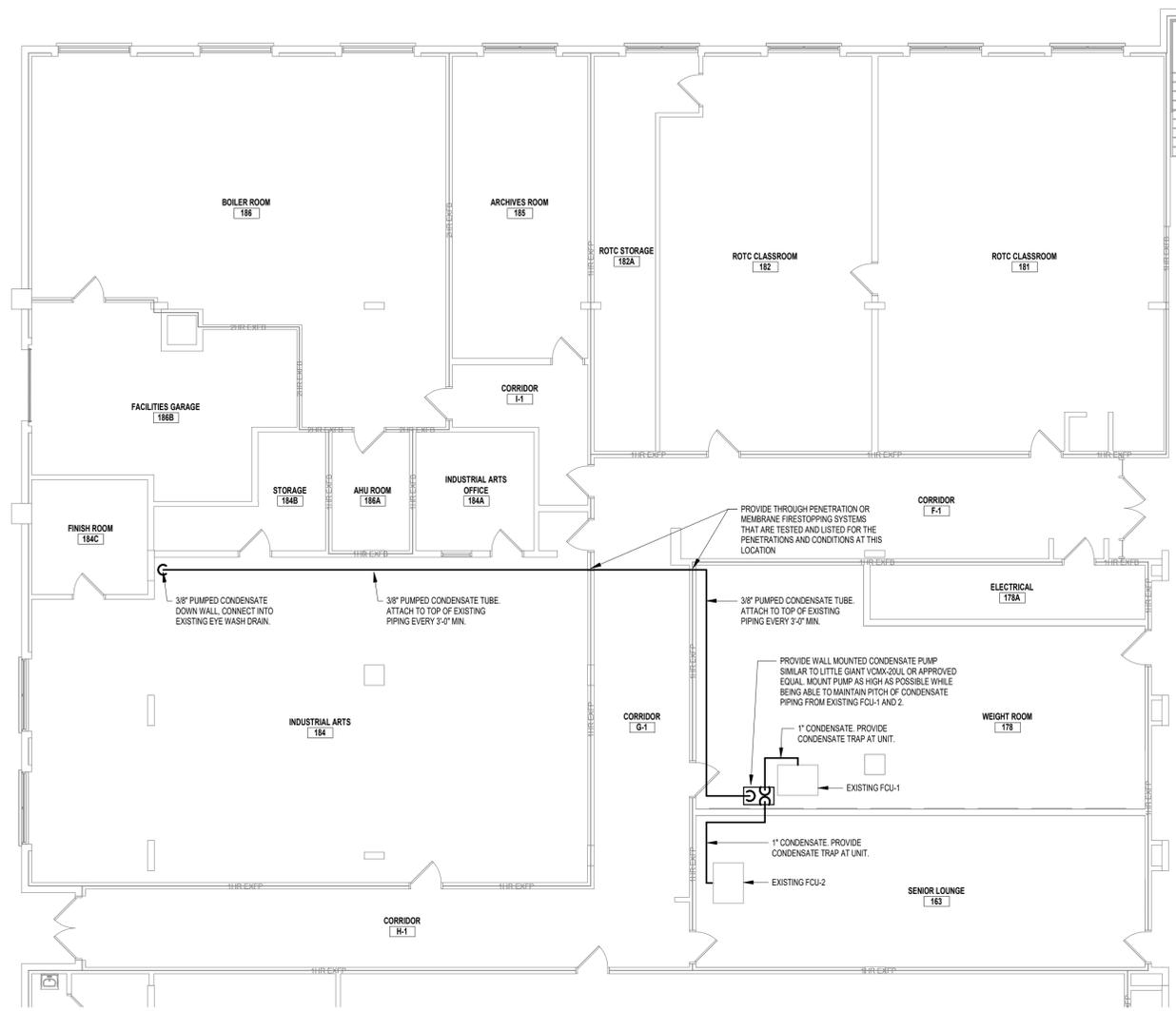
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SECOND FLOOR PLAN - AREA B

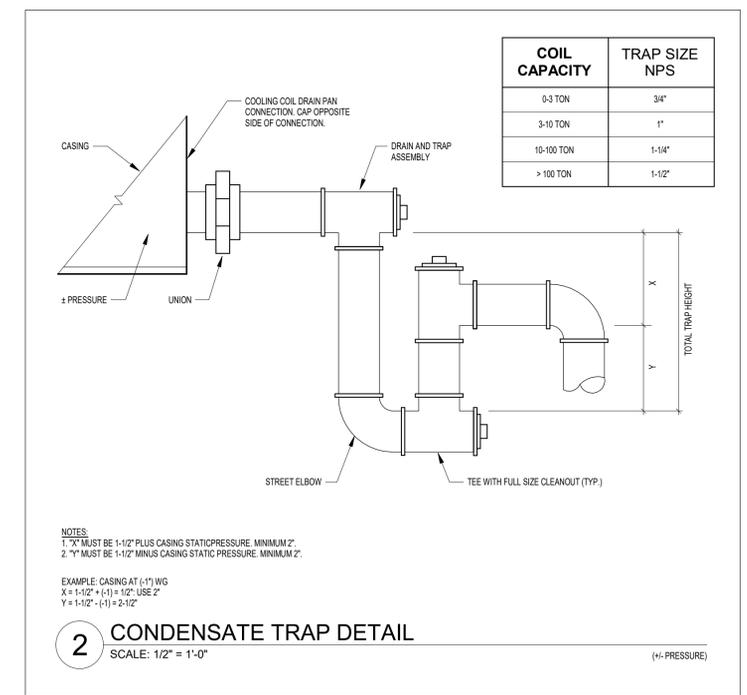
SHEET NUMBER
A-101

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

3/26/2021 9:18:16 AM



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



SPECS

COOLING CONDENSATE REMOVAL PUMPS

A. MANUFACTURERS:
1. LITTLE GIANT, MODEL VOMX-20UL
2. SUBSTITUTIONS: SEE SECTION 01 6000 - PRODUCT REQUIREMENTS

B. CONSTRUCTION: COMMERCIAL GRADE, NONFERROUS PUMP WITH STAINLESS STEEL SHAFT, INTEGRAL DISCHARGE CHECK VALVE, INTEGRAL FLOAT SWITCH, SAFETY SWITCH, THERMOPLASTIC RESERVOIR, MOTOR ASSEMBLY, AND POWER CORD WITH GROUND. PROVIDE WITH WALL MOUNT BRACKET.

C. UL 778

D. PERFORMANCE:
1. FLOW 60 GPH AT 10 FEET HEAD.
2. ELECTRICAL CHARACTERISTICS:
a. 130 HP
b. 120 VOLTS, SINGLE PHASE, 60 HZ, 1.5 FLA

SANITARY SEWER PIPING, ABOVE GRADE

A. PVC PIPE: ASTM D2729
1. FITTINGS: PVC
2. JOINTS: SOLVENT WELDED, WITH ASTM D2564 SOLVENT CEMENT.

PIPE HANGERS AND SUPPORTS

A. ALL PLUMBING PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE PLUMBING CODE OF NEW YORK STATE. HANGERS, ANCHORS, AND SUPPORTS SHALL SUPPORT THE PIPING AND THE CONTENTS OF THE PIPING. HANGERS AND STRAPPING SHALL BE OF APPROVED MATERIAL THAT WILL NOT PROMOTE GALVANIC ACTION.

B. PLUMBING PIPING - DRAIN, WASTE AND VENT:
1. CONFORM TO ASME B31.9
2. HANGERS FOR PIPE SIZES 1/2 TO 1-1/2 INCHES: MALLEABLE IRON, ADJUSTABLE SWIVEL, SPLIT RING.
3. MULTIPLE OR TRAPEZE HANGERS: STEEL CHANNELS WITH WELDED SPACERS AND HANGER RODS.
4. VERTICAL SUPPORTS: STEEL RISER CLAMP.
5. FLOOR SUPPORT: CAST IRON ADJUSTABLE PIPE SADDLE, LOCK NUT, NIPPLE, FLOOR FLANGE, AND CONCRETE PIER OR STEEL SUPPORT.

KEY PLAN:

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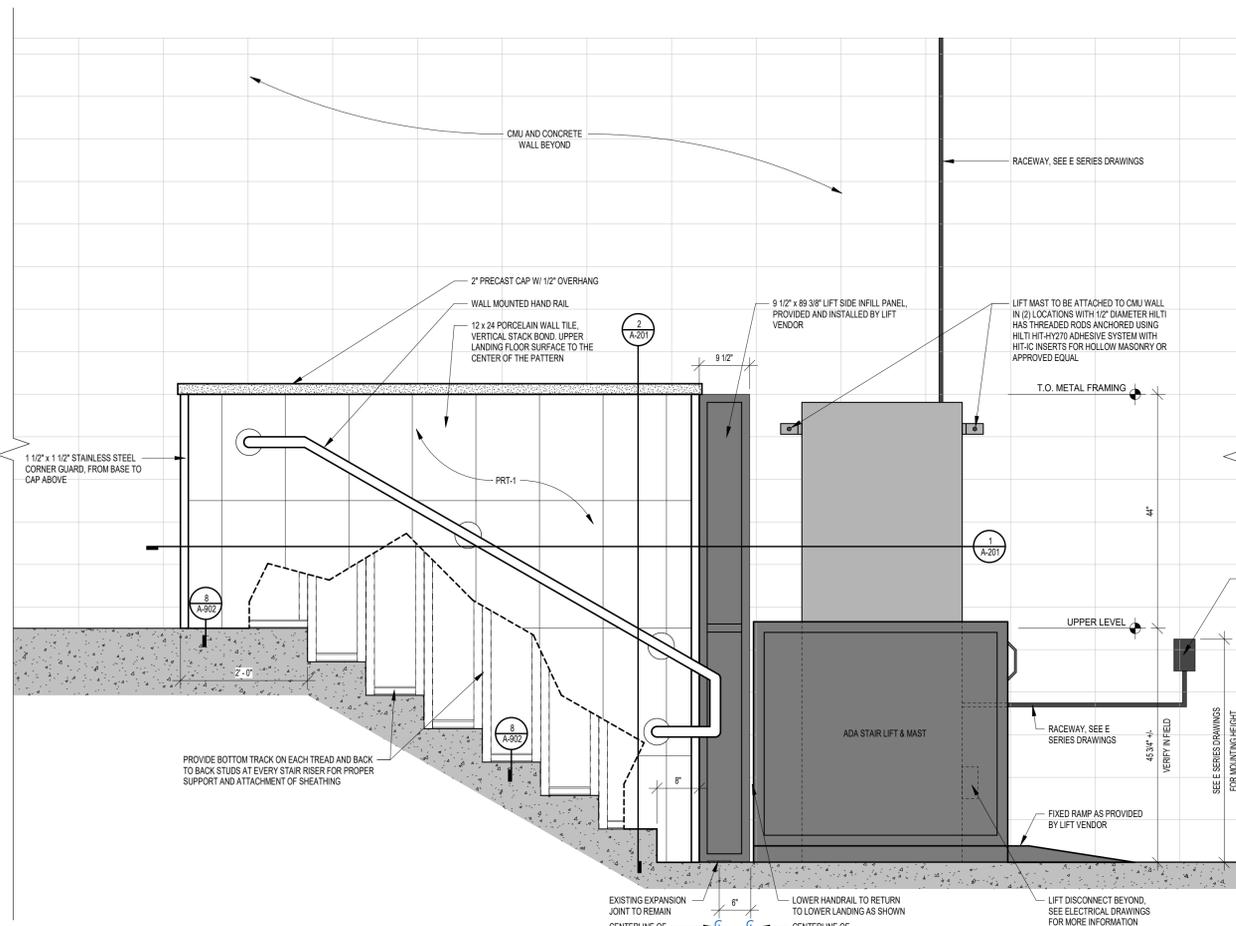
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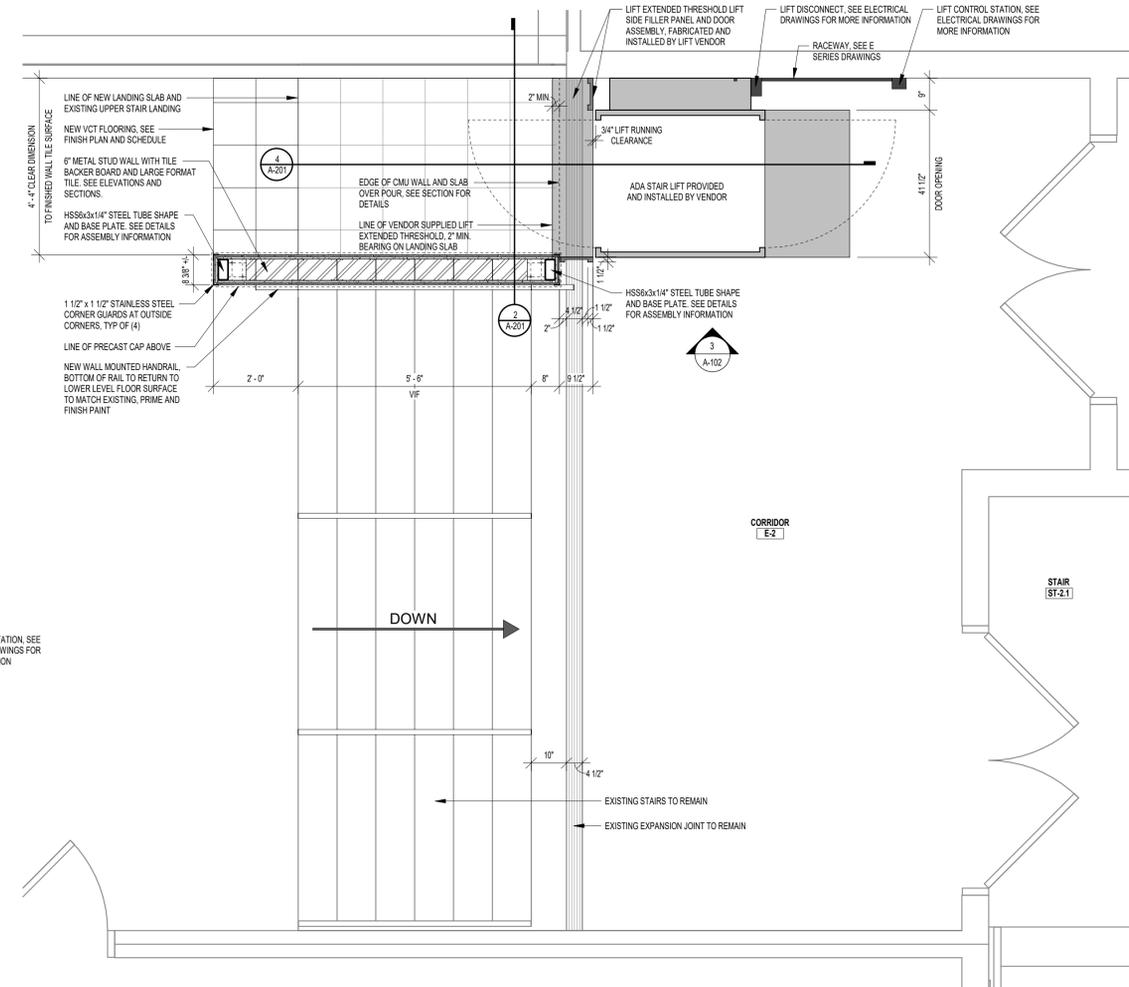
PARTIAL FIRST FLOOR PLAN - AREA B

SHEET NUMBER
A-102

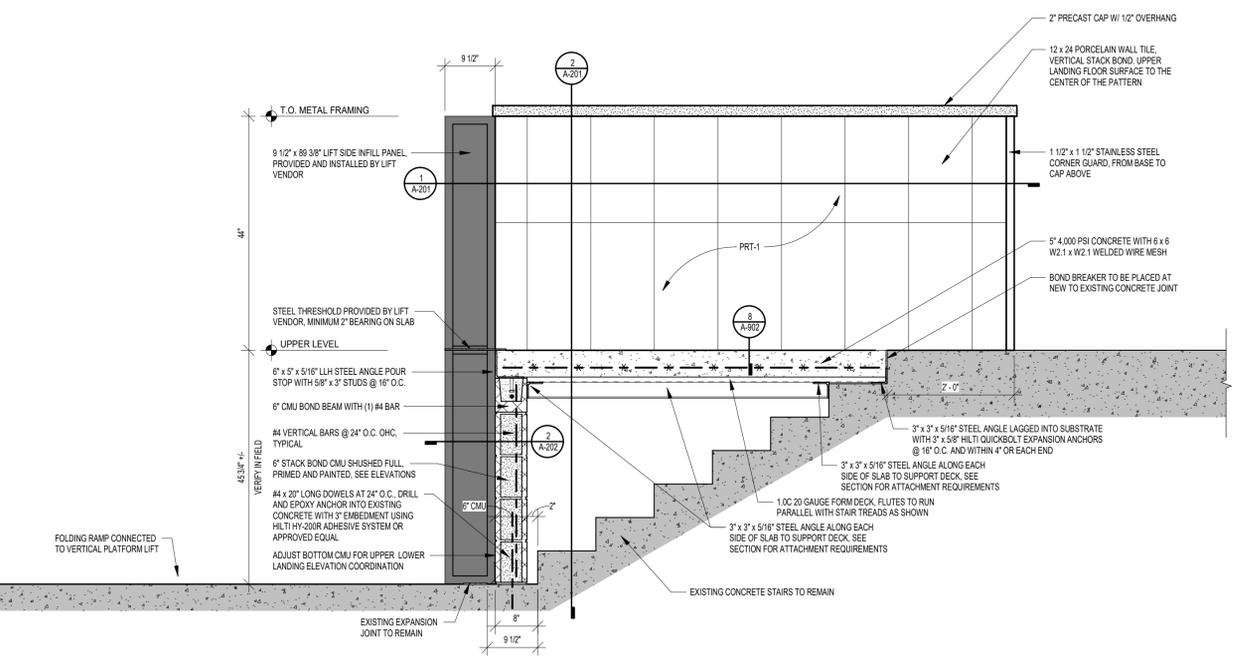
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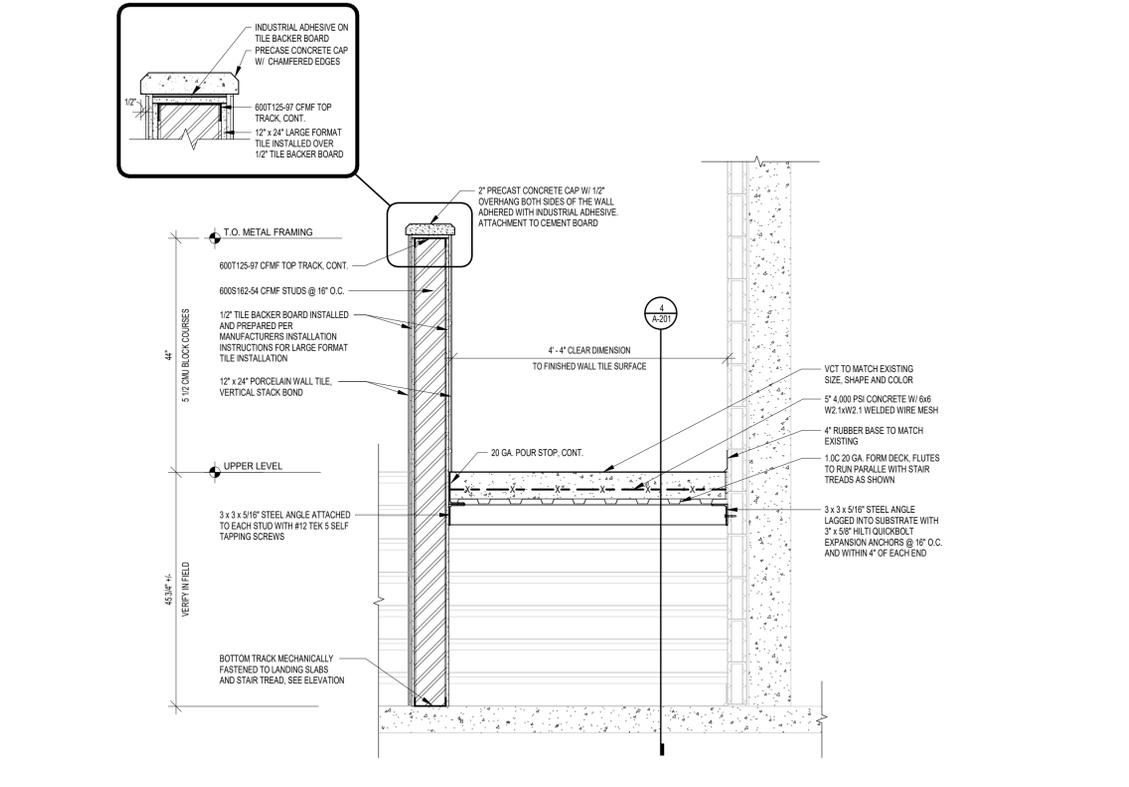
3 STAIR / VERTICAL PLATFORM ELEVATION
SCALE: 3/4" = 1'-0"



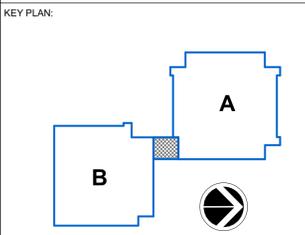
1 ENLARGED FLOOR PLAN - VERTICAL LIFT
SCALE: 1/2" = 1'-0"



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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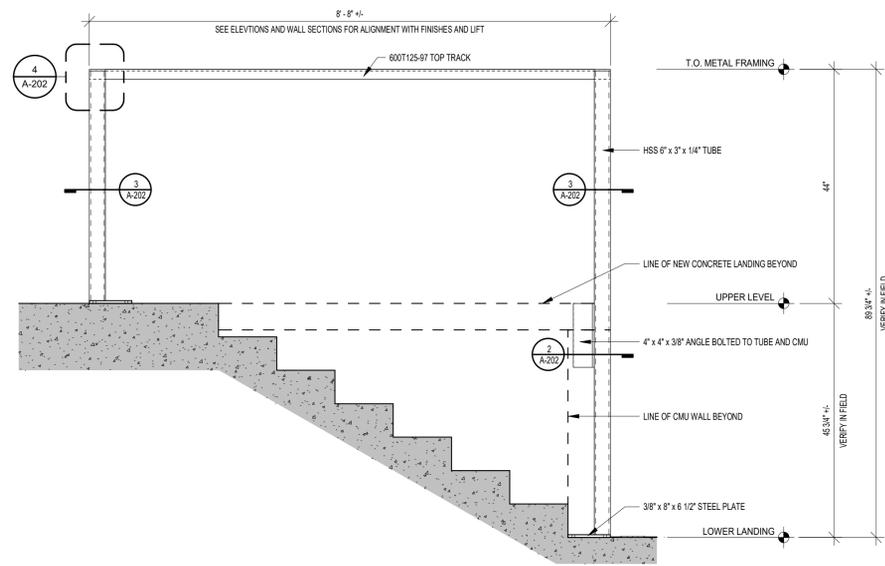
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CHECKED BY JAS	DATE 03/19/2021

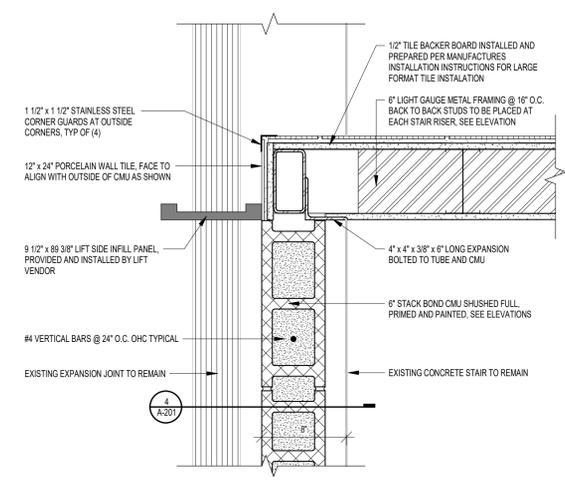
ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS - NEW LIFT
SHEET NUMBER

A-201

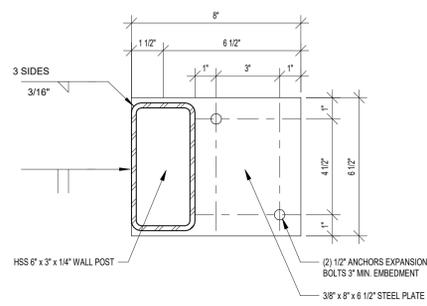
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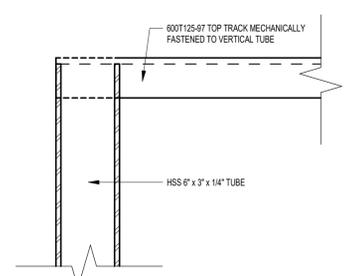
1 LIFT WALL CONNECTION DETAIL
SCALE: 3/4" = 1'-0"



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"

KEY PLAN:

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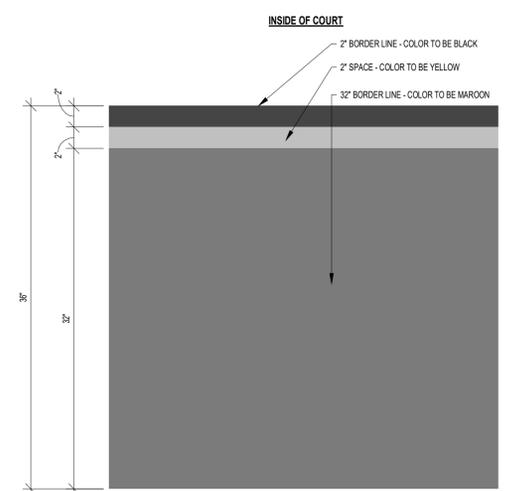
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LIFT LANDING STEEL STRUCTURE

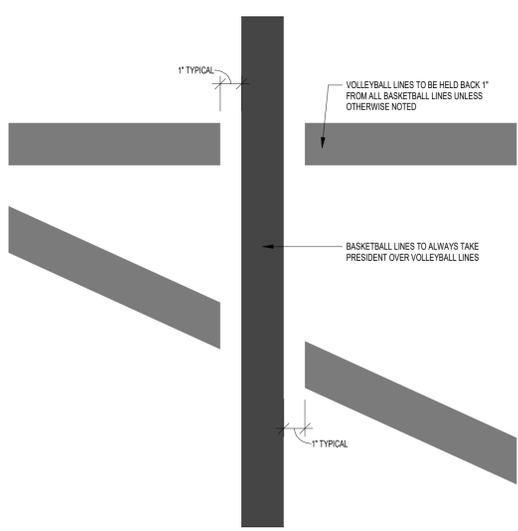
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A-202

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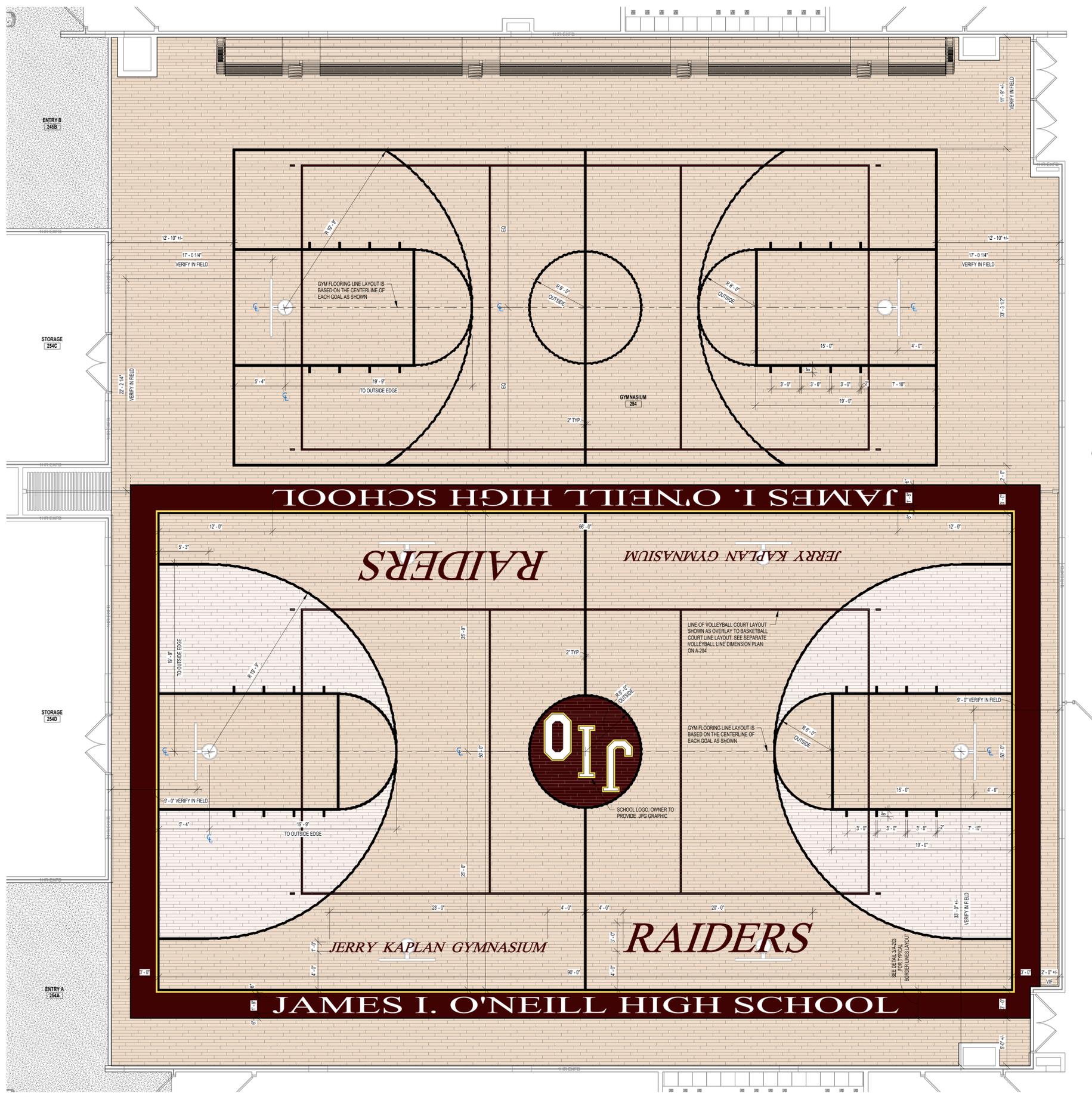
3/17/2021 9:18:25 AM



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"

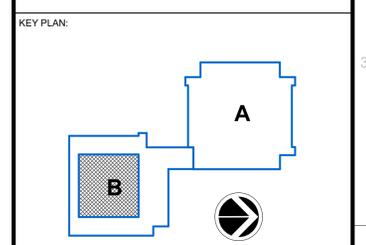
GYMNASIUM 254 LINE REQUIREMENTS

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



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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

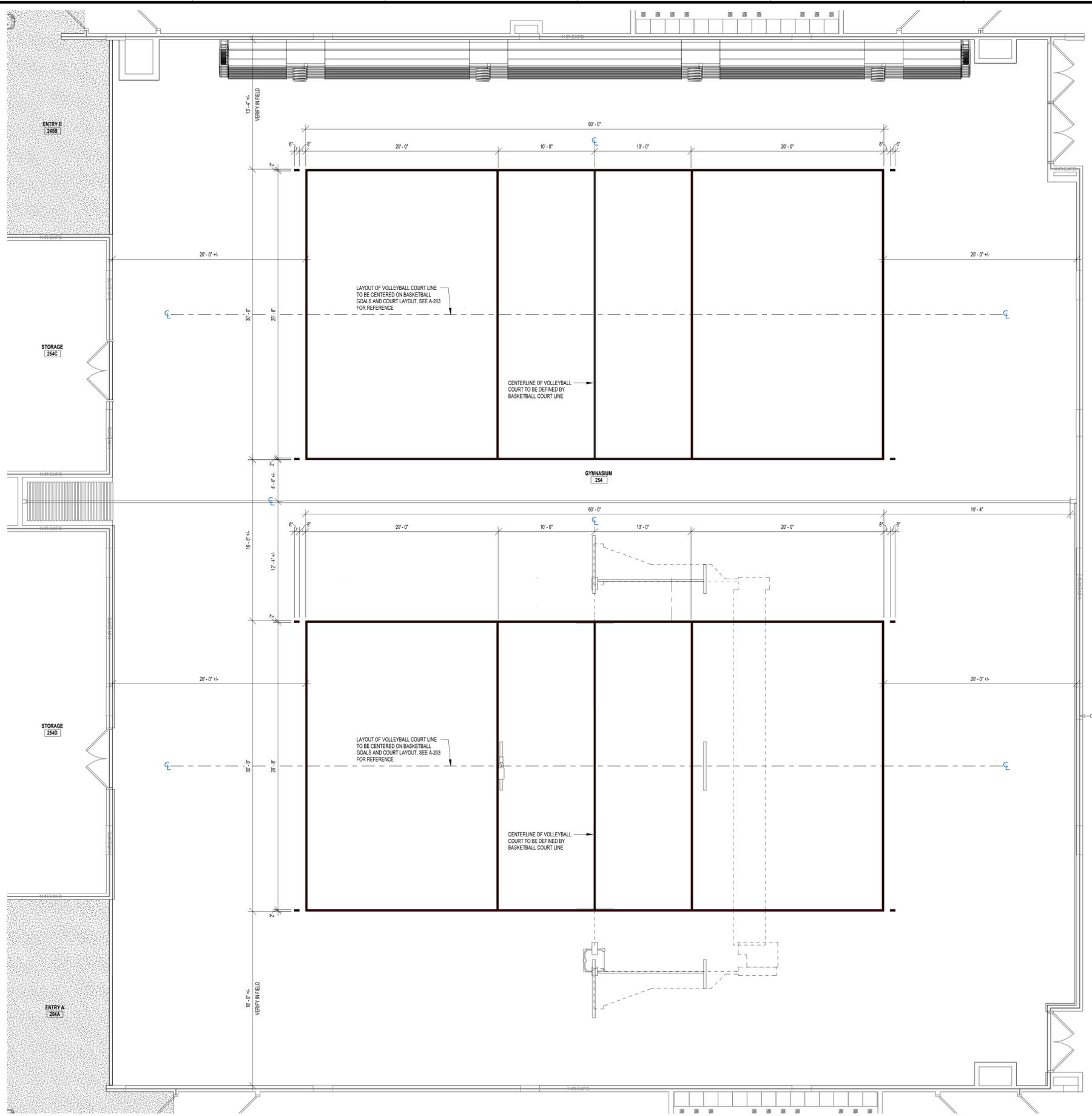
REV	DATE	DESCRIPTION

DRAWN BY: NPB PROJECT NUMBER: 2020-117
CHECKED BY: JAS DATE: 03/19/2021

ENLARGED PLANS - GYMNASIUM BASKETBALL STRIPING PLAN

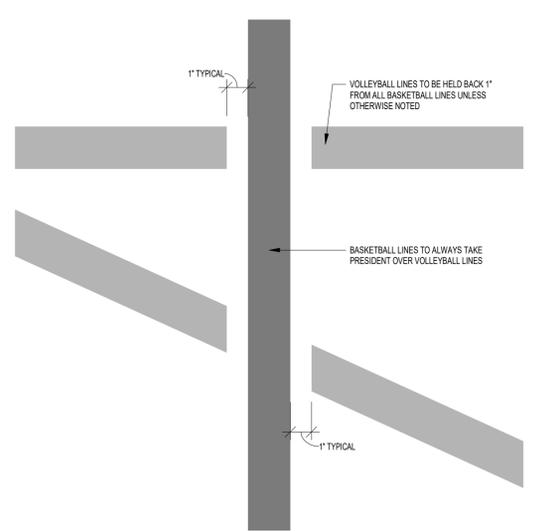
SHEET NUMBER: **A-203**

3/17/2021 9:19:20 AM



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

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

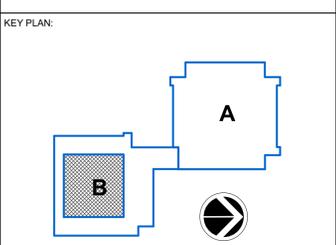


GYMNASIUM 254 LINE REQUIREMENTS

- 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



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

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REV	DATE	DESCRIPTION

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CHECKED BY JAS	DATE 03/19/2021

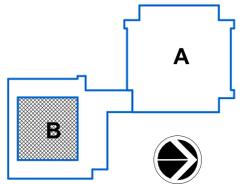
ENLARGED PLANS - GYMNASIUM VOLLEYBALL STRIPING PLAN

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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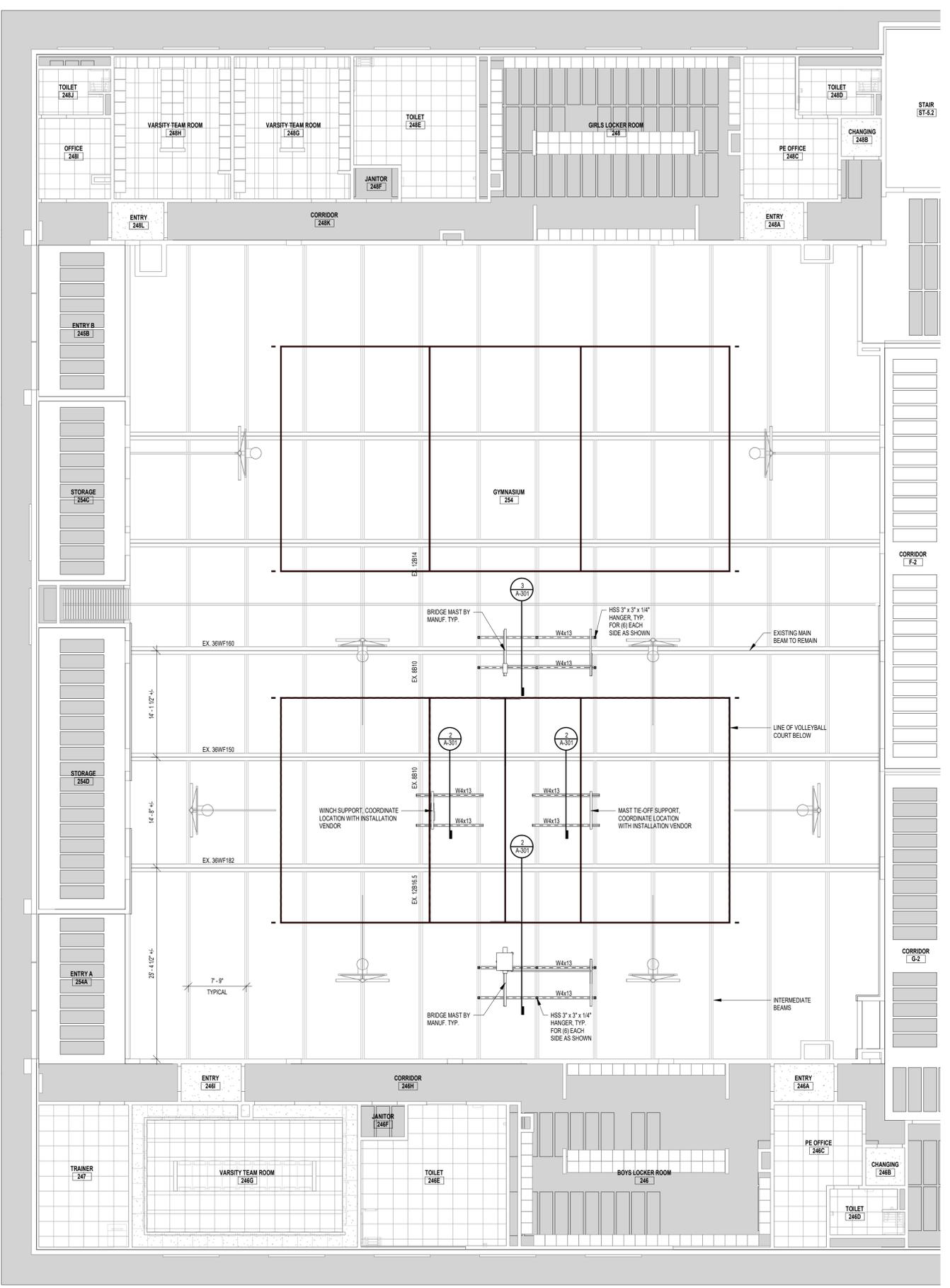
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REV	DATE	DESCRIPTION

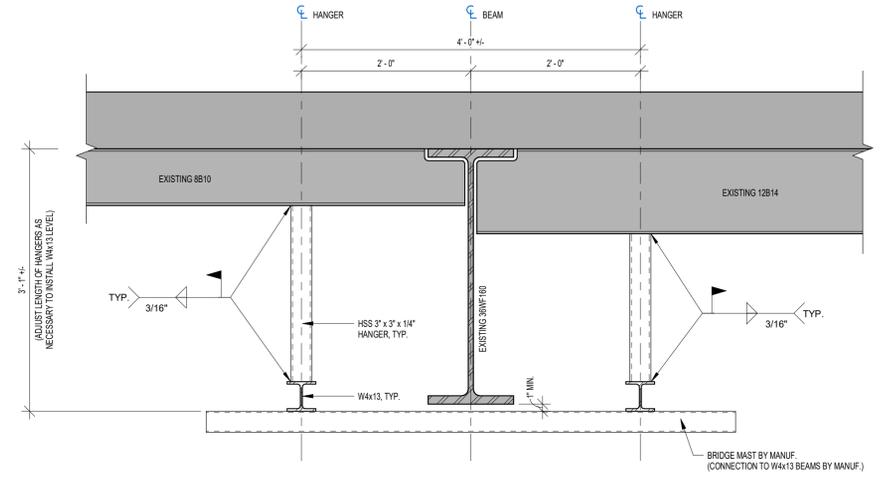
DRAWN BY NPB	PROJECT NUMBER 2020-117
CHECKED BY JAS	DATE 03/19/2021

REFLECTED CEILING PLAN - GYMNASIUM 254
SHEET NUMBER

A-301

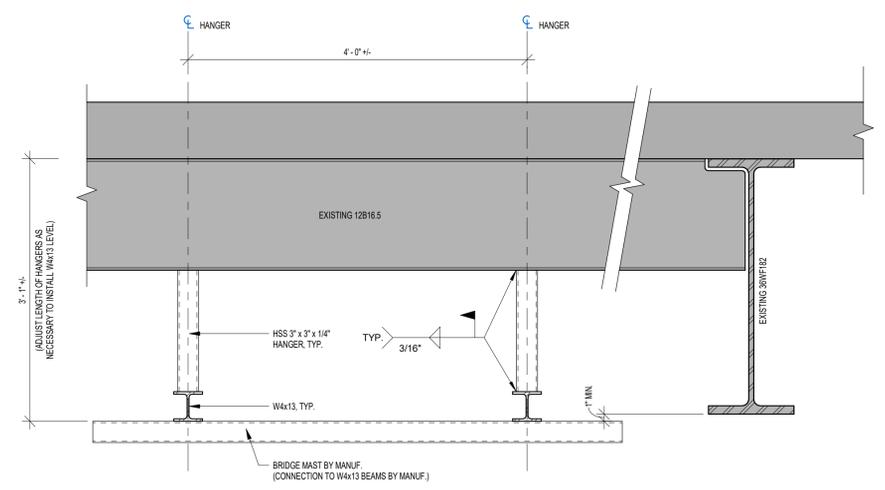


1 REFLECTED CEILING PLAN - SECOND FLOOR AREA B
SCALE: 1/8" = 1'-0"



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.

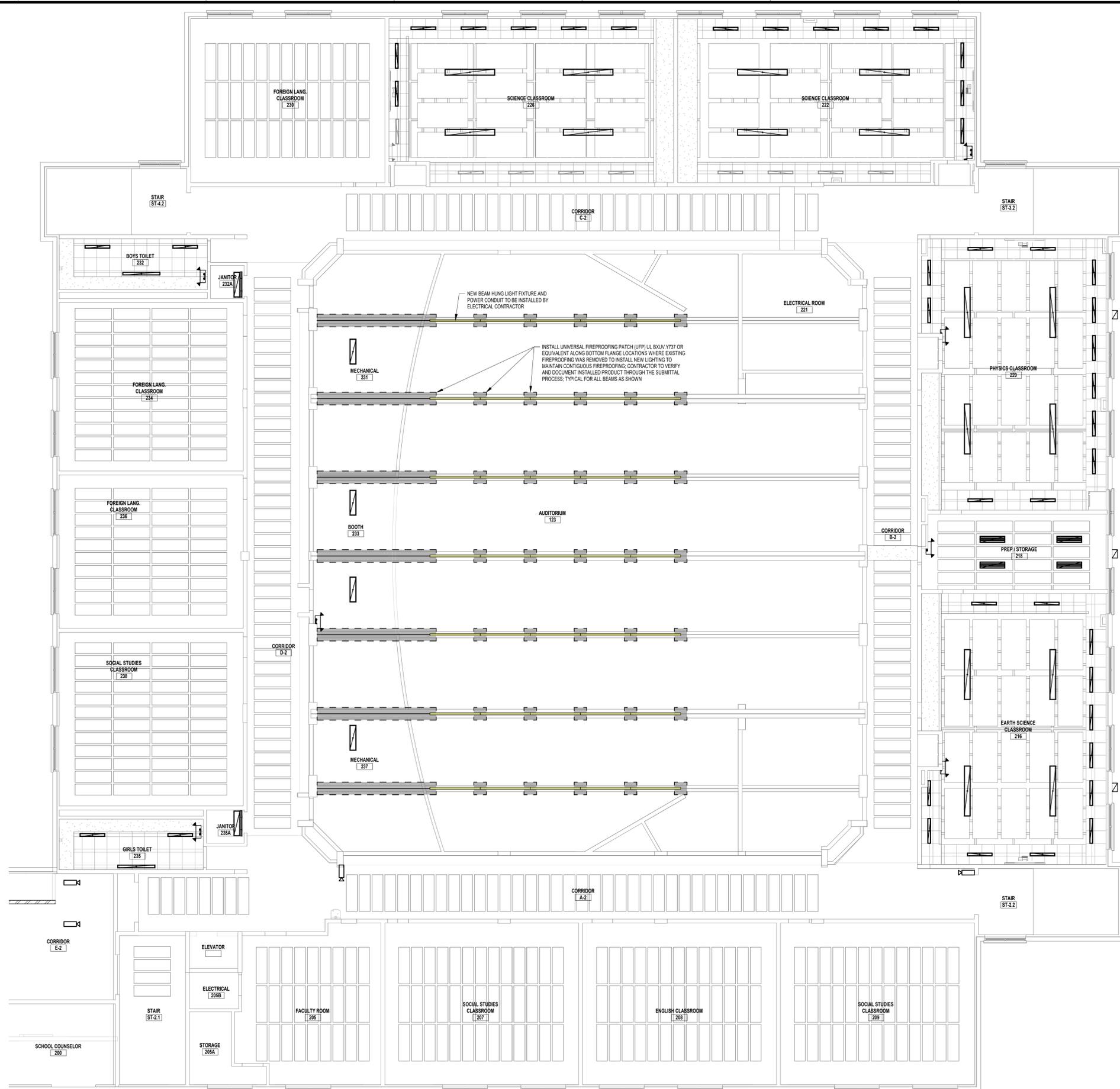
3 BRIDGE MAST SUPPORT DETAIL 2
SCALE: 1" = 1'-0"



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.

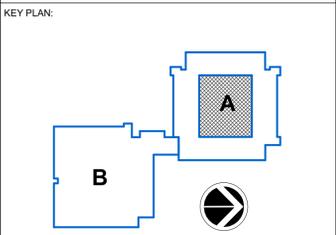
2 BRIDGE MAST SUPPORT DETAIL
SCALE: 1" = 1'-0"

3/17/2021 9:21:42 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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REV	DATE	DESCRIPTION

DRAWN BY NPB	PROJECT NUMBER 2020-117
CHECKED BY JAS	DATE 03/19/2021

REFLECTED CEILING PLAN - AUDITORIUM 123

SHEET NUMBER
A-302

3/17/2021 9:22:58 AM

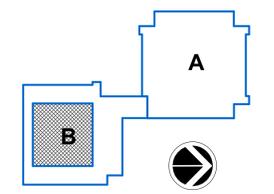
GENERAL FLOORING NOTES

- A. ALL EXISTING AND NEW FLOOR PENETRATIONS ARE TO BE GROUND SMOOTH WITH ADJACENT SURFACE AND IMPERFECTIONS ARE TO BE REMOVED PRIOR TO INSTALLATION OF NEW FLOORING.
- B. IN AREAS WHERE NEW FLOORING IS TO BE INSTALLED, ALL EXISTING FLOORING IS TO BE REMOVED DOWN TO CONCRETE SUBFLOOR. SCARIFY EXISTING SLAB AND FLASH PATCH WITH A SELF LEVELER, TO PRODUCE A SMOOTH SURFACE FREE OF IMPERFECTIONS PRIOR TO THE INSTALLATION OF NEW FLOORING.
- C. IN ALL AREAS WHERE EXISTING WALL WAS REMOVED CARE SHALL BE TAKEN TO REMOVE ALL COMPONENTS INCLUDING MORTAR, REINFORCEMENT BARS OR OTHER COMPONENTS AND CUT THEM FLUSH WITH THE REMAINING SLAB. GRIND SMOOTH TO PRODUCE A SMOOTH SURFACE FREE OF IMPERFECTIONS PRIOR TO THE INSTALLATION OF NEW FLOORING.
- D. UNLESS OTHERWISE NOTED ON PLANS ALL FLOORING IS TO BE CENTERED IN ROOM, ALIGN EDGE OF WHOLE TILES OR PLANKS WITH WALL WHERE POSSIBLE TO LIMIT CUT TILES.
- E. WHERE NEW FLOORING IS INSTALLED ADJACENT TO EXISTING FLOORING, ALIGN JOINTS WITH EXISTING JOINTS AND PROVIDE TRANSITION AS REQUIRED.
- F. ALL FLOORING TRANSITIONS ARE TO BE SMOOTH AND LEVEL BETWEEN DIFFERENT MATERIALS AND FLOORING SURFACES.
- G. INSTALL SOLID BLOCKING WITHIN WOOD FLOORING SYSTEM AT DOORWAYS, UNDER STACKED BLEACHERS, UNDER LOCATIONS OF HEAVY LOADS AND IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS. COORDINATE BLEACHER ROLLING WHEEL LOADS AND WOOD FLOORING SYSTEM BLOCKING NEEDED WITH BLEACHER MANUFACTURER.

FLOOR FINISH LEGEND

- VCT 1 - VINYL COMPOSITION TILE
- VCT 2 - VINYL COMPOSITION TILE
- WD 1 - WOOD GYMNASIUM SPORTS FLOORING
- SSV 1 - SEAMLESS SHEET VINYL
- EP 1 - EPOXY FLOORING

KEY PLAN:



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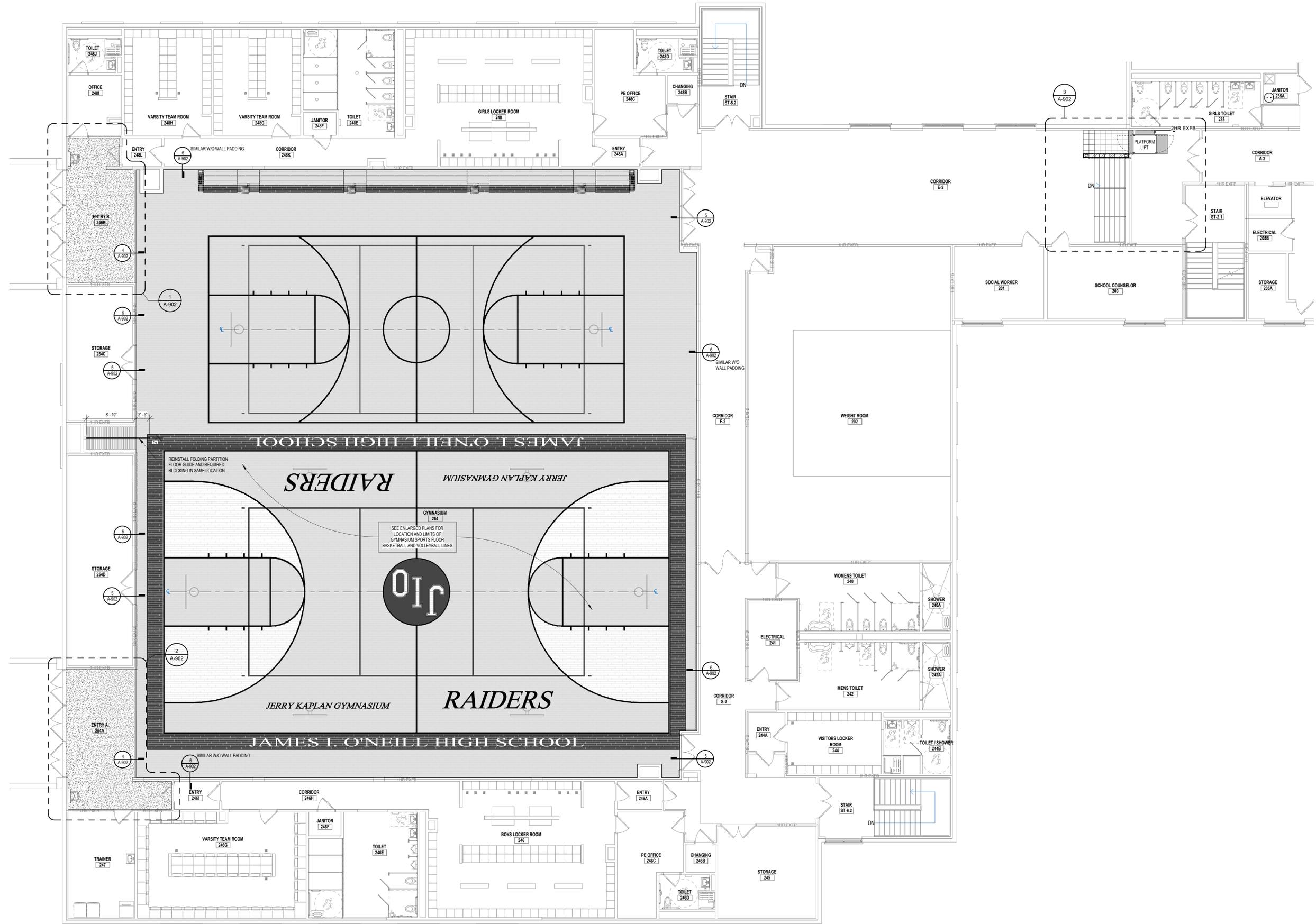
REV	DATE	DESCRIPTION

DRAWN BY NPB	PROJECT NUMBER 2020-117
CHECKED BY JAS	DATE 03/19/2021

ROOM FINISH PLANS

SHEET NUMBER

A-901



1 GYMNASIUM FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

3/17/2021 9:24:22 AM

ROOM FINISH SCHEDULE																		
ROOM	FLOOR	WALL										CEILING				REMARKS		
		NORTH		SOUTH		EAST		WEST		MATERIAL		FINISH		CEILING HEIGHT				
103	AUDITORIUM	ETR	---	---	---	---	---	---	---	---	---	---	---	PT-2	MFR	VF	3.4	
248B	ENTRY B	EP-1	MFR	B-2	ETR / CMU	---	---	---	---	---	---	---	---	PT-1	MFR	---	---	
254	GYMNASIUM	WD-1	MFR	B-1	ETR / CMU	---	---	---	---	---	---	---	---	---	---	---	---	
254A	ENTRY A	EP-1	MFR	B-2	ETR / CMU	---	---	---	---	---	---	---	---	---	---	---	---	
E-2	CORRIDOR	VCT-1 / VCT-2 / SSV-1	MFR	B-2	ETR / CMU	---	---	---	---	---	---	---	---	---	---	---	---	1, 2

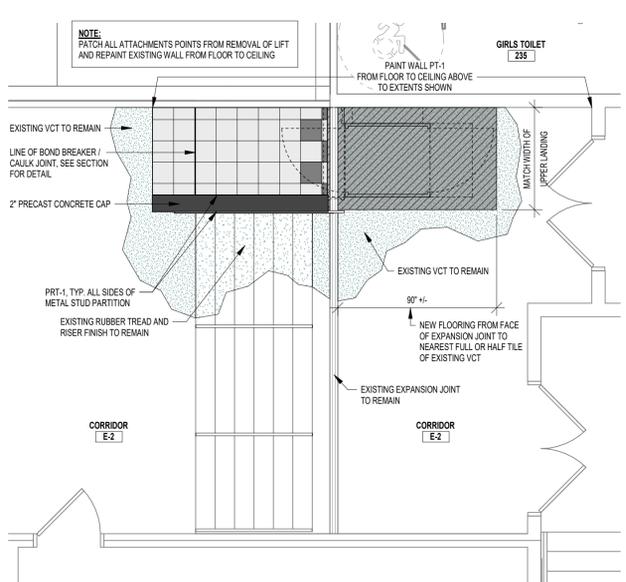
ROOM FINISH REMARKS

- NEW LIFT HALF WALL TO HAVE PRT-1 APPLIED ON IG SIDES.
- EXISTING WEST WALL TO BE PREPARED AND PAINTED PRT-1 TO MATCH EXISTING WALL COLOR. SEE PLAN FOR LOCATION AND LIMITS.
- FINISH IS OVER NEW AND EXISTING BEAM FIREPROOFING AND TO BE COMPATIBLE WITH BOTH PRODUCTS. WATER-BASED, NON-BRIDGING PAINT.
- COLOR TO MATCH EXISTING BEAM FINISH.

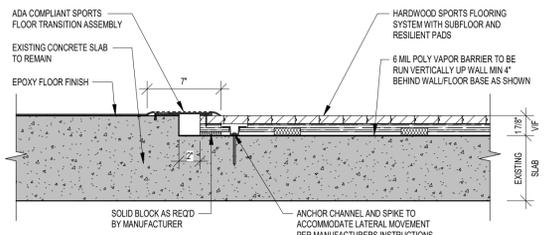
FINISH KEY

LOCATION	TYPE	MANUFACTURE	PRODUCT NAME	PRODUCT NUMBER	COLOR	NOTES
CEILING FINISHES	PT-2	SHERWIN-WILLIAMS	PRO - MAR 200	B28W2600	MATCH EXISTING	
WALL FINISHES	PT-1	SHERWIN-WILLIAMS	PRO - MAR 200 HP	B28W2600	MATCH EXISTING	
	PRT-1	CROSSVILLE	ALASKA	ASK04	GLACIER	
FLOOR FINISHES	WD-1	WOOD GYMNASIUM SPORTS FLOORING	ROBBINS SPORTS FLOORING	ECLIPSE - SB	---	TBD
	VCT-1	VINYL COMPOSITION TILE	ARMSTRONG	STANDARD OR PREMIUM EXCELON	TBD	FIELD COLOR
	VCT-2	VINYL COMPOSITION TILE	ARMSTRONG	STANDARD OR PREMIUM EXCELON	TBD	ACCENT COLOR
	SSV-1	SEAMLESS SHEET VINYL	TARKETT	IQ - GRANIT - MICRO	TBD	1
	EP-1	EPOXY FLOORING	STONHARD	STONCRETE EFX	SEE SPEC	2
BASE FINISHES	B-1	VENTED COVE BASE FOR GYMNASIUM	TARKETT	RESILIENT VENTED COVE WALL BASE	VCO	40 - BLACK 47 - BROWN
	B-2	COVE BASE	TARKETT	TYPE TS RUBBER	---	TBD

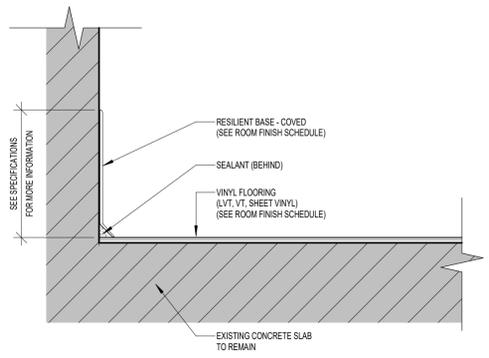
- FINISH KEY NOTES**
- PROVIDE TARKETT SLIMLINE TRANSITION BETWEEN SSV AND VCT-1. PROFILE AND COLOR TBD.
 - SEE SPECIFICATIONS FOR COMPLETE EPOXY FLOORING SYSTEM REQUIREMENTS.



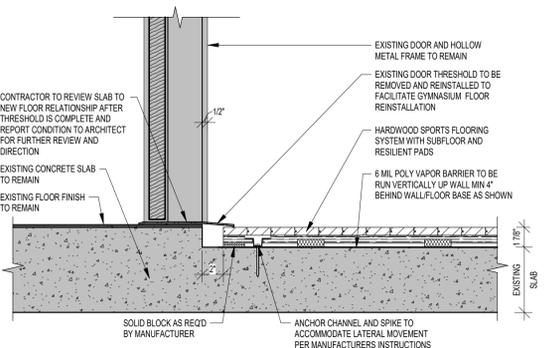
3 STAIR LIFT FINISH FLOOR PLAN
SCALE: 1/4" = 1'-0"



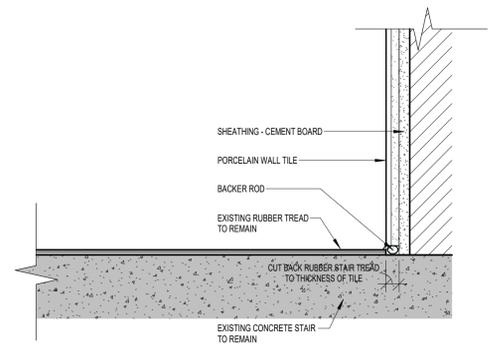
4 GYM FLOOR TRANSITION DETAIL
SCALE: 1 1/2" = 1'-0"



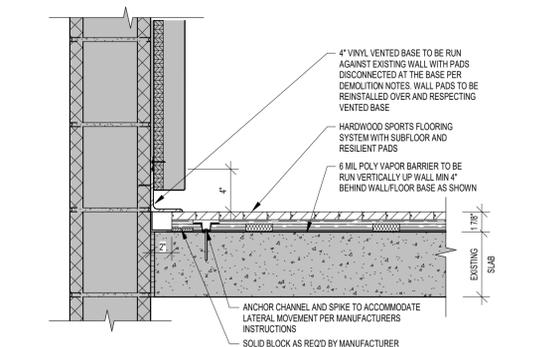
7 TYPICAL RESILIENT BASE DETAIL
SCALE: 3" = 1'-0"



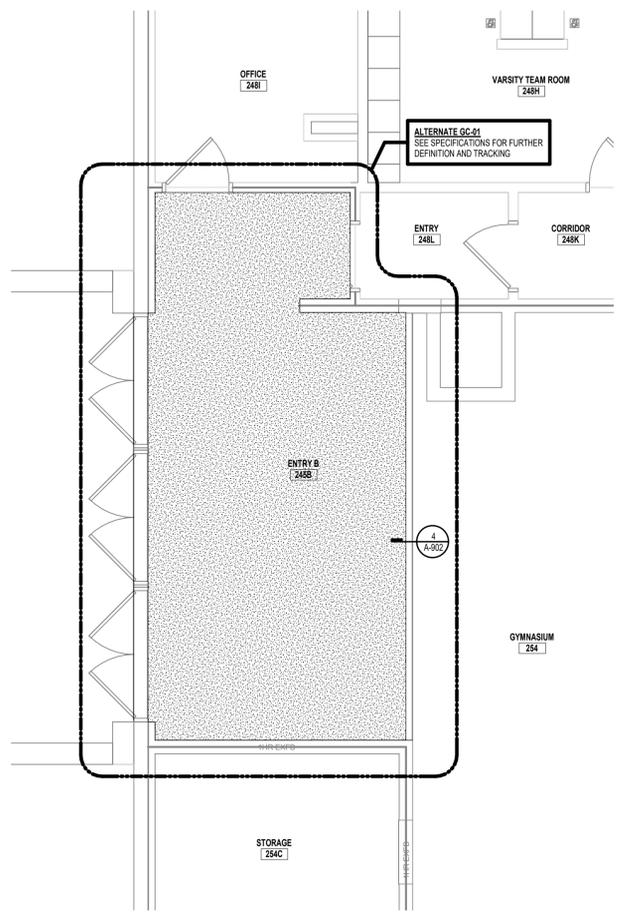
5 GYM FLOOR DOOR THRESHOLD DETAIL
SCALE: 1 1/2" = 1'-0"



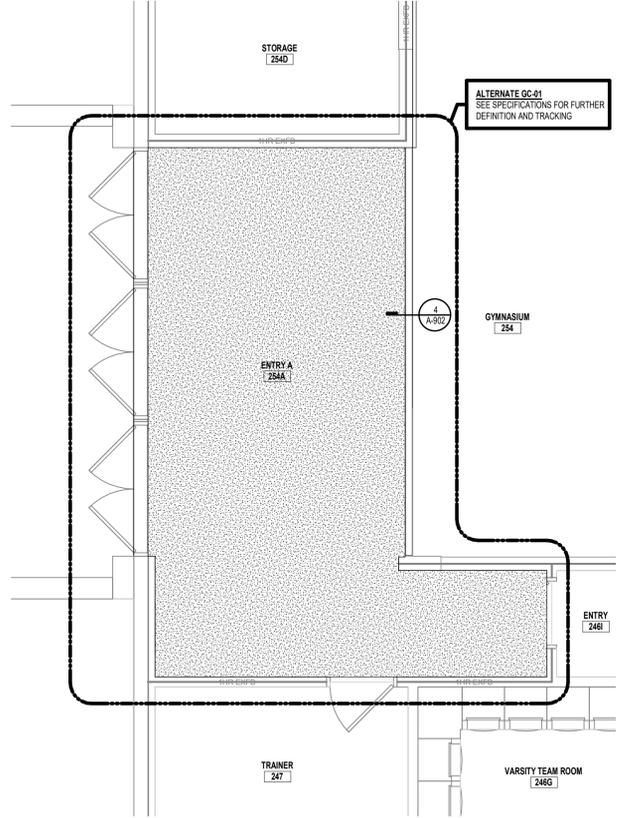
8 FLOORING DETAIL AT WALL TILE
SCALE: 3" = 1'-0"



6 GYM FLOOR EDGE DETAIL
SCALE: 1 1/2" = 1'-0"



1 SECOND FLOOR PLAN - AREA B
SCALE: 1/4" = 1'-0"



2 SECOND FLOOR PLAN - AREA B
SCALE: 1/4" = 1'-0"

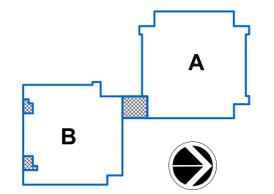
GENERAL FLOORING NOTES

- ALL EXISTING AND NEW FLOOR PENETRATIONS ARE TO BE GROUND SMOOTH WITH ADJACENT SURFACE AND IMPERFECTIONS ARE TO BE REMOVED PRIOR TO INSTALLATION OF NEW FLOORING.
- IN AREAS WHERE NEW FLOORING IS TO BE INSTALLED, ALL EXISTING FLOORING IS TO BE REMOVED DOWN TO CONCRETE SUBFLOOR. SCRAFF EXISTING SLAB AND FLASH PATCH WITH A SELF-LEVELER, TO PRODUCE A SMOOTH SURFACE FREE OF IMPERFECTIONS PRIOR TO THE INSTALLATION OF NEW FLOORING.
- IN ALL AREAS WHERE EXISTING WALL WAS REMOVED CARE SHALL BE TAKEN TO REMOVE ALL COMPONENTS INCLUDING MORTAR, REINFORCEMENT BARS OR OTHER COMPONENTS AND CUT THEM FLUSH WITH THE REMAINING SLAB. GRIND SMOOTH TO PRODUCE A SMOOTH SURFACE FREE OF IMPERFECTIONS PRIOR TO THE INSTALLATION OF NEW FLOORING.
- UNLESS OTHERWISE NOTED ON PLANS ALL FLOORING IS TO BE CENTERED IN ROOM. ALIGN EDGE OF WHOLE TILES OR PLANKS WITH WALL WHERE POSSIBLE TO LIMIT CUT TILES.
- WHERE NEW FLOORING IS INSTALLED ADJACENT TO EXISTING FLOORING, ALIGN JOINTS WITH EXISTING JOINTS AND PROVIDE TRANSITION AS REQUIRED.
- ALL FLOORING TRANSITIONS ARE TO BE SMOOTH AND LEVEL BETWEEN DIFFERENT MATERIALS AND FLOORING SURFACES.
- INSTALL SOLID BLOCKING WITHIN WOOD FLOORING SYSTEM AT DOORWAYS, UNDER STACKED BLEACHERS, UNDER LOCATIONS OF HEAVY LOADS AND IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS. COORDINATE BLEACHER ROLLING WHEEL LOADS AND WOOD FLOORING SYSTEM BLOCKING NEEDED WITH BLEACHER MANUFACTURER.

FLOOR FINISH LEGEND

- VCT-1 - VINYL COMPOSITION TILE
- VCT-2 - VINYL COMPOSITION TILE
- WD-1 - WOOD GYMNASIUM SPORTS FLOORING
- SSV-1 - SEAMLESS SHEET VINYL
- EP-1 - EPOXY FLOORING

KEY PLAN:



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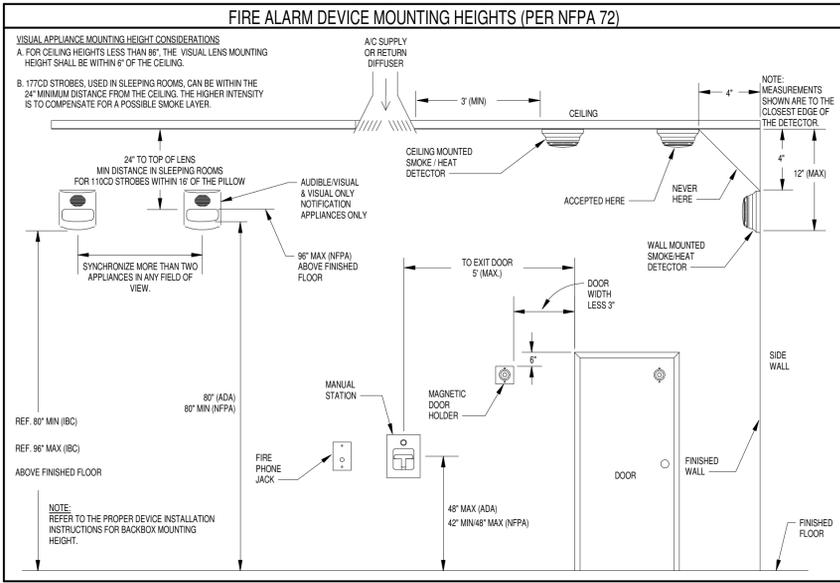
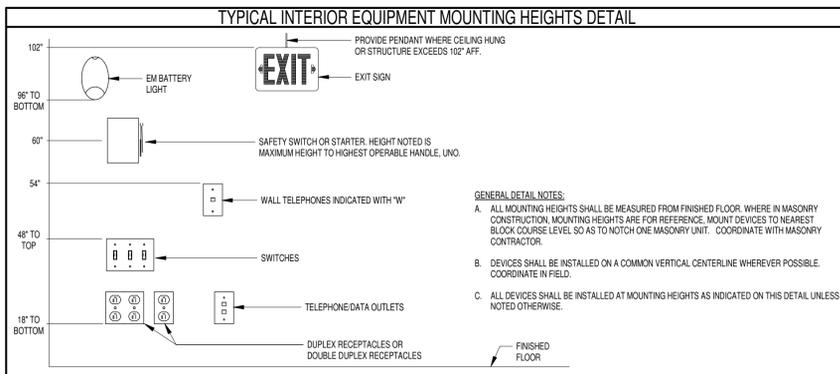
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CHECKED BY JAS	DATE 03/19/2021

ROOM FINISH PLANS, SCHEDULES AND DETAILS

SHEET NUMBER
A-902



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 VERIFY 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 NYCON PULL STRING 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 20'-0" 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 KVA 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 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	
BLDG	BUILDING	NF	NON-FUSED	
BMS	BUILDING MANAGEMENT SYSTEM	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	
C	CONDUIT	NC	NOT IN CONTRACT	
CB	CIRCUIT BREAKER	NO	NORMALLY OPEN OR NUMBER	
CLF	CURRENT LIMITING FUSE	P	POLE	
CLG	CEILING	PAN	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 CIRCUIT AMPERES	W	WIRE, WALL, WATTS	
KVA	KILOVOLT AMPERES	WG	WIRE GUARD	
KW	KILOWATTS	XFMR	TRANSFORMER	
LTD	LIGHTING	Δ	DELTA	
LS	LEXAN SHIELD	WYE	WYE	
		Ø, PH	PHASE	

FIRE ALARM LEGEND

[E]	MANUAL PULL STATION
[VZ] #d	AUDIO / VISUAL SIGNAL DEVICE, #d INDICATES STROBE INTENSITY
[V] #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
[V] #d	VOICE EVAC AUDIO / VISUAL SIGNAL DEVICE, #d INDICATES STROBE INTENSITY
[V] #d	VOICE EVAC AUDIO ONLY SIGNAL DEVICE
[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]	IN-DUCT 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
[ANSL]	FIRE ALARM ANNUNCIATOR PANEL
[FASU]	ANSUL FIRE SUPPRESSION SYSTEM
[S]	SEAM TYPE SMOKE DETECTOR
[T]	"T" DENOTES RECEIVER UNIT "D" 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
[] UV-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" - INDICATED # OF POLES
[] #AF #P	600 V HEAVY DUTY FUSED DISCONNECT SWITCH "AF" - INDICATES FRAME SIZE "AT" - INDICATES FUSED TRIP SIZE "P" - INDICATED # 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", BREAKERS #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 ITEM AS REQUIRED.
[R]	EXISTING EQUIPMENT TO BE REMOVED AND REPLACED WITH NEW.

LIGHTING LEGEND

[L]	LIGHT FIXTURES (LUMINAIRES) UPPER CASE TEXT # DENOTES TYPE LOWER CASE 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#]	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 FLASH RESISTANT RECEPTACLE
[]	EXPlosion Resistant Receptacle
[]	GROUND FAULT CIRCUIT INTERRUPTER PROTECTED 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 INDICATES 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

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
[]	TELEVISION OUTLET
[]	PROJECTOR / PROJECTOR MOUNT
[]	SMART BOARD / PROJECTOR MOUNT
[]	VOLUME CONTROL
[]	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
[]	A# DENOTES FIXTURE TYPE
[]	B# DENOTES POLE BASE TYPE
[]	PULL BOX
[]	MANHOLE

NOTE: NOT ALL SYMBOLS USED THIS PROJECT.

KEY PLAN:

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

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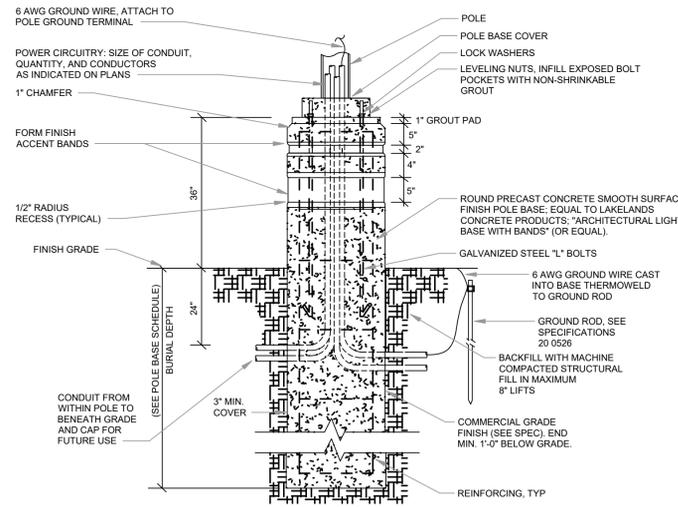
JAMES I O'NEILL RENOVATION PROJECT
HIGHLAND FALLS - FORT MONTGOMERY CSD
JAMES I O'NEILL HIGH SCHOOL
HIGHLAND FALLS - ORANGE COUNTY - STATE OF NEW YORK

REV	DATE	DESCRIPTION

DRAWN BY: NRW PROJECT NUMBER: 2020-117
CHECKED BY: JLE DATE: 03/19/2021
LEGEND, ABBREVIATIONS AND GENERAL NOTES
SHEET NUMBER: ES-000

POLE HEIGHT '3' AFF (FT)	BURIAL DEPTH (FT)	VERTICAL REINF. 4-#5
UP TO 14	5	4-#5
15-20	6	4-#5
21-24	7	4-#5
25-28	8	4-#5
29-34	9	4-#6
35-40	10	4-#6
41-45	11	4-#6
46-50	12	4-#6

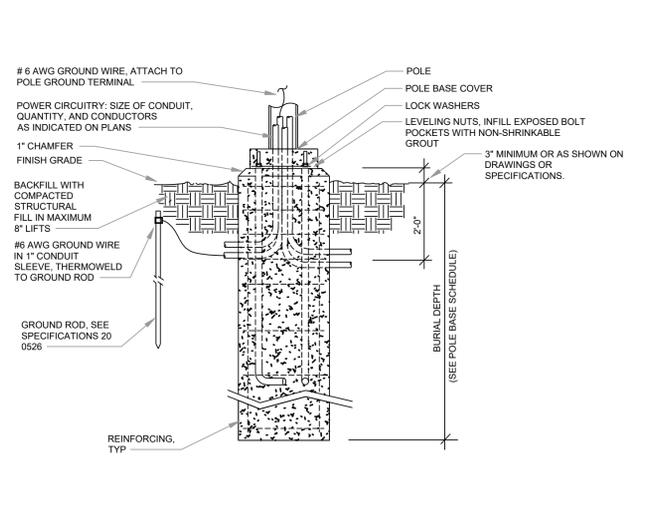
- NOTES:**
- PROVIDE PRECAST CONCRETE BASE PER DIV. 03 SPEC "PRECAST CONCRETE LIGHTING POLE BASES". COMMERCIAL GRADE FINISH TO EXTEND TO MIN. 12" BELOW FINISH GRADE.
 - POLE BASE MINIMUM DIAMETER SHALL BE EQUAL TO POLE BASE PLATE + 1'-0".
 - REINFORCING BARS TO CONFORM TO ASTM A615 GRADE 60.
 - REFER TO POLE BASE SCHEDULE FOR VERTICAL REINFORCING BARS. PROVIDE #3 HORIZONTAL TIES AT 6" O.C. FOR TOP 4' AND 12" O.C. FOR THE REMAINDER.
 - WHERE POLE BASE IS THE LAST BASE IN A SERIES, PROVIDE SPARE OUTGOING CONDUIT FROM WITHIN POLE TO BENEATH GRADE AND CAP FOR FUTURE USE.
 - REFER TO POLE BASE SCHEDULE FOR VERTICAL REINFORCING BARS. PROVIDE #3 HORIZONTAL TIES AT 6" O.C. FOR TOP 4' AND 12" O.C. FOR THE REMAINDER.
 - VERIFY CONDUIT SIZE, QUANTITY, AND CONFIGURATION IN POLE BASE PRIOR TO RELEASE OF POLE BASES.



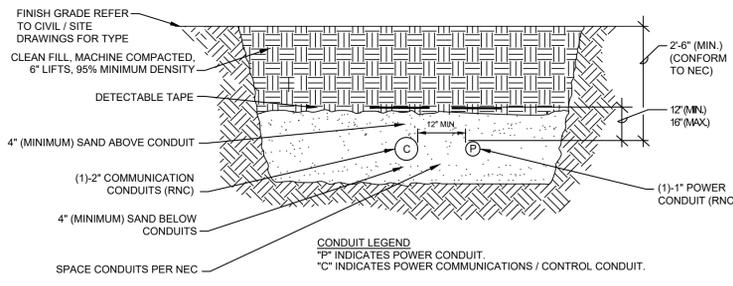
5 TYPICAL PRE-CAST BASE INSTALLATION DETAIL - TYPE B
SCALE: NOT TO SCALE

POLE HEIGHT (FT)	BURIAL DEPTH (FT)	VERTICAL REINF. 4-#5
UP TO 14	5	4-#5
15-20	6	4-#5
21-24	7	4-#5
25-28	8	4-#5
29-34	9	4-#6
35-40	10	4-#6
41-46	11	4-#6
46-50	12	4-#6

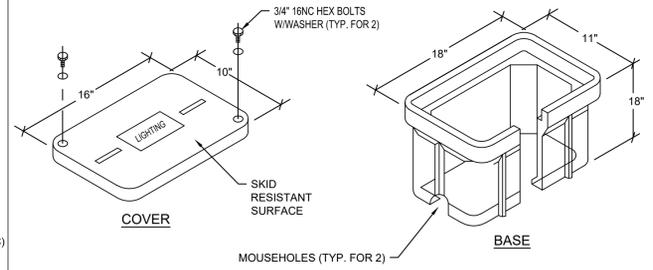
- NOTES:**
- PROVIDE PRECAST CONCRETE BASE PER DIV. 03 SPEC "PRECAST CONCRETE LIGHTING POLE BASES". COMMERCIAL GRADE FINISH TO EXTEND TO MIN. 12" BELOW FINISH GRADE.
 - POLE BASE MINIMUM DIAMETER SHALL BE EQUAL TO POLE BASE PLATE + 1'-0".
 - REINFORCING BARS TO CONFORM TO ASTM A615 GRADE 60.
 - REFER TO POLE BASE SCHEDULE FOR VERTICAL REINFORCING BARS. PROVIDE #3 HORIZONTAL TIES AT 6" O.C. FOR TOP 4' AND 12" O.C. FOR THE REMAINDER.
 - WHERE POLE BASE IS THE LAST BASE IN A SERIES, PROVIDE SPARE OUTGOING CONDUIT FROM WITHIN POLE TO BENEATH GRADE AND CAP FOR FUTURE USE.
 - REFER TO POLE BASE SCHEDULE FOR VERTICAL REINFORCING BARS. PROVIDE #3 HORIZONTAL TIES AT 6" O.C. FOR TOP 4' AND 12" O.C. FOR THE REMAINDER.
 - VERIFY CONDUIT SIZE, QUANTITY, AND CONFIGURATION IN POLE BASE PRIOR TO RELEASE OF POLE BASES.



3 TYPICAL PRE-CAST BASE INSTALLATION DETAIL - TYPE A
SCALE: NOT TO SCALE

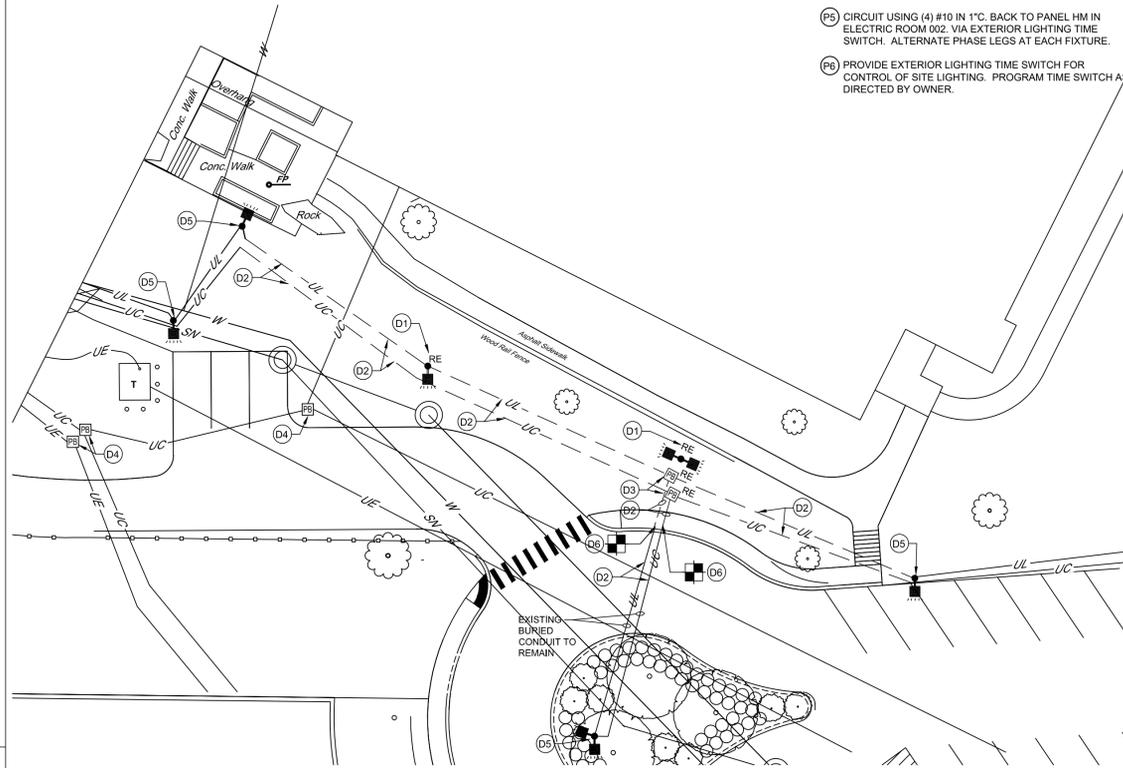


6 TYPICAL TRENCH SECTION DETAIL
SCALE: NOT TO SCALE

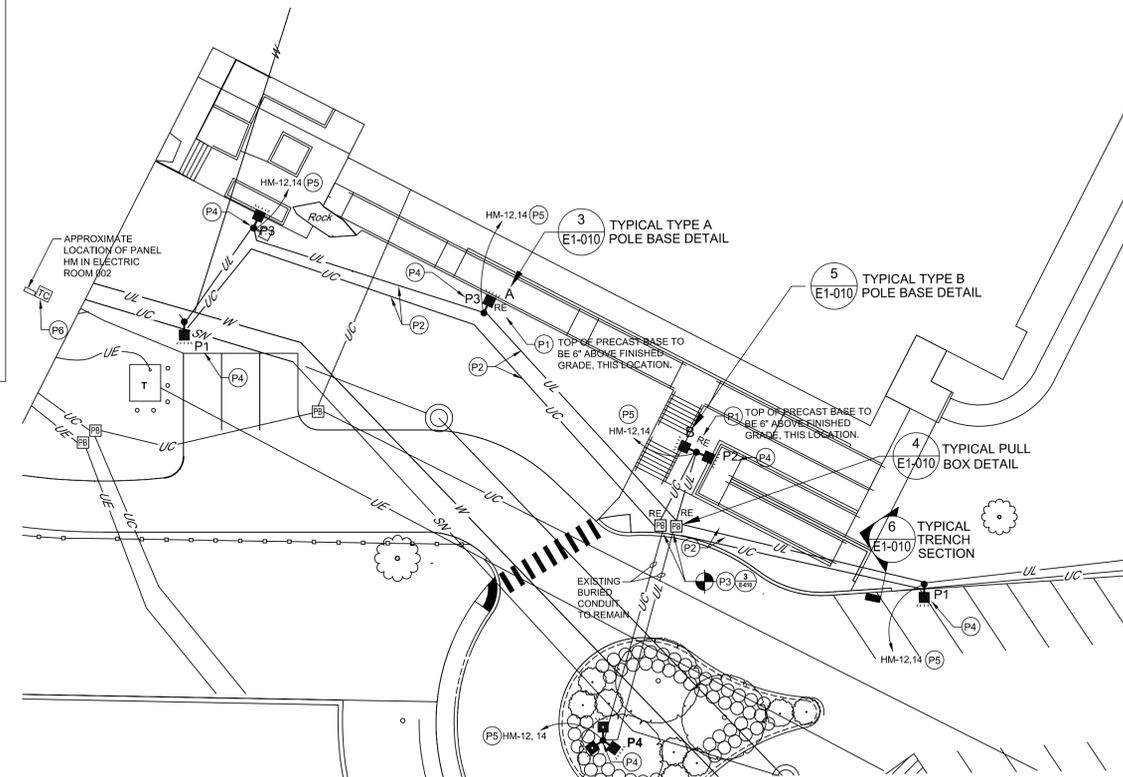


- DETAIL NOTES:**
- PROVIDE STRAIGHT SIDED STYLE PULL BOX WITH MOUSEHOLES, SEE PLANS FOR FURTHER INFORMATIONS.
 - COORDINATE DEPTH OF PULLBOX WITH EXISTING CONDITIONS IN THE FIELD CONTRACTOR SHALL PROVIDE EXTENSION BOXES AS REQUIRED.
 - PROVIDE 12" OF COMPACTED CRUSHED #2 STONE BELOW PULLBOX FOR DRAINAGE.
 - OPEN BOTTOM PULLBOX.
 - MODIFY BOX SIZE PER NEC FOR CABLE FILL ASSOCIATED WITH CONDUCTORS USED

4 TYPICAL PULL BOX INSTALLATION DETAIL
SCALE: NOT TO SCALE



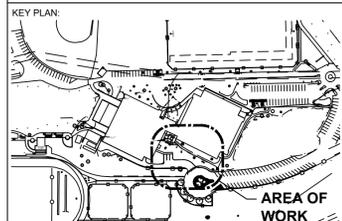
1 PARTIAL SITE PLAN - EAST ENTRY RAMP - DEMOLITION
SCALE: 1" = 20'-0"



2 PARTIAL SITE PLAN - EAST ENTRY RAMP
SCALE: 1" = 20'-0"

- KEYED PLAN NOTES CONTINUED:**
- (P3) REINSTALL BURIED LIGHTING AND SPARE COMMUNICATIONS PULL BOXES IN COLLABORATION WITH REINSTALLED CIRCUITRY AT NEW LOCATIONS SHOWN. TOP OF PULL BOXES SHALL BE FLUSH WITH NEW CONCRETE WALKS THIS LOCATION.
 - (P4) PROVIDE NEW POLE MOUNT LIGHT AND 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.
 - (P5) CIRCUIT USING (4) #10 IN 1" C. BACK TO PANEL HM IN ELECTRIC ROOM 002. VIA EXTERIOR LIGHTING TIME SWITCH. ALTERNATE PHASE LEGS AT EACH FIXTURE.
 - (P6) PROVIDE EXTERIOR LIGHTING TIME SWITCH FOR CONTROL OF SITE LIGHTING. PROGRAM TIME SWITCH AS DIRECTED BY OWNER.

- GENERAL NOTES:**
- REFER TO DRAWING ES000 FOR APPLICABLE SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
 - VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO START OF WORK.
 - COORDINATE ALL ELECTRICAL WORK WITH ALL TRADES PRIOR TO START OF WORK.
- KEYED DEMOLITION NOTES:**
- EXISTING PRE-CAST CONCRETE POLE BASE IN CONFLICT WITH SCHEDULED WORK. DISCONNECT AND REMOVE POLE BASE, PROPERLY PROTECT AND STORE FOR RE-INSTALLATION AT LOCATION SHOWN IN DETAIL 2, THIS SHEET. COORDINATE NEW BURY DEPTH WITH GRADING PLAN.
 - EXISTING BURIED LIGHTING CIRCUITRY AND SPARE COMMUNICATIONS CONDUIT INFRASTRUCTURE PRESUMED TO BE IN CONFLICT WITH SCHEDULED WORK. RECORD AND IDENTIFY EACH LOAD, SIZING, AND QUANTITY OF COMPONENTS. DISCONNECT AND REMOVE ALL IN CONFLICT. COIL AND PROTECT CIRCUITRY FOR REUSE. FOR BIDDING PURPOSES, ASSUME (1) 1" LIGHTING CONDUIT WITH #8 CIRCUIT AND (1) 2" SPARE COMMUNICATIONS CONDUIT, V.I.F.
 - EXISTING BURIED LIGHTING AND SPARE COMMUNICATIONS PULL BOXES PRESUMED TO BE IN CONFLICT WITH SCHEDULED WORK. DISCONNECT AND REMOVE, PROTECT AND STORE FOR REUSE, V.I.F.
 - EXISTING BURIED PULL BOXES TO REMAIN, SHOWN FOR REFERENCE ONLY.
 - EXISTING PRECAST POLE BASE TO REMAIN, SHOWN FOR REFERENCE ONLY.
 - INTERRUPT EXISTING BURIED CONDUITS 16'-4" TO THE WEST OF EXISTING GRANITE CURBING SO AS TO ALLOW FOR INSTALLATION OF RELOCATED PULL BOXES, SEE DETAIL 2/E-010 FOR INFORMATION.
- KEYED PLAN NOTES:**
- REINSTALL EXISTING PRE-CAST CONCRETE POLE BASE IN LOCATION SHOWN. COORDINATE NEW BURY DEPTH AND LOCATIONS WITH GRADING AND SITE LAYOUT PLANS.
 - REINSTALL AND RECONNECT BURIED LIGHTING CIRCUITRY, AND SPARE COMMUNICATIONS CONDUIT INFRASTRUCTURE PRESUMED TO BE IN CONFLICT WITH SCHEDULED WORK. NEW INSTALLED MATERIAL SHALL MATCH EXISTING COMPONENTS PREVIOUSLY REMOVED. CONNECT AND ADJUST FOR PROPER OPERATION. FOR BIDDING PURPOSES, ASSUME (1) 1" LIGHTING CONDUIT WITH #8 CIRCUITRY AND (1) 2" SPARE COMMUNICATIONS CONDUIT, V.I.F. COORDINATE NEW BURY DEPTHS AND LOCATIONS WITH GRADING PLANS. MAINTAIN 24" BURY.



PARTIAL SITE KEY PLAN
SED CONTROL NO. 04-09-01-04-0-008-017

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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

PARTIAL SITE PLANS AND SITE DETAILS

SHEET NUMBER
E-010

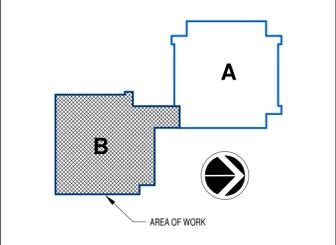
GENERAL NOTES

A. SEE DRAWING E-000 FOR APPLICABLE SYMBOLS, ABBREVIATIONS AND ELECTRICAL GENERAL NOTES.
 B. SEE ARCHITECTURAL REFERENCE PLANS FOR WALL ASSEMBLY FIRE RATINGS. FIRE CALK 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:



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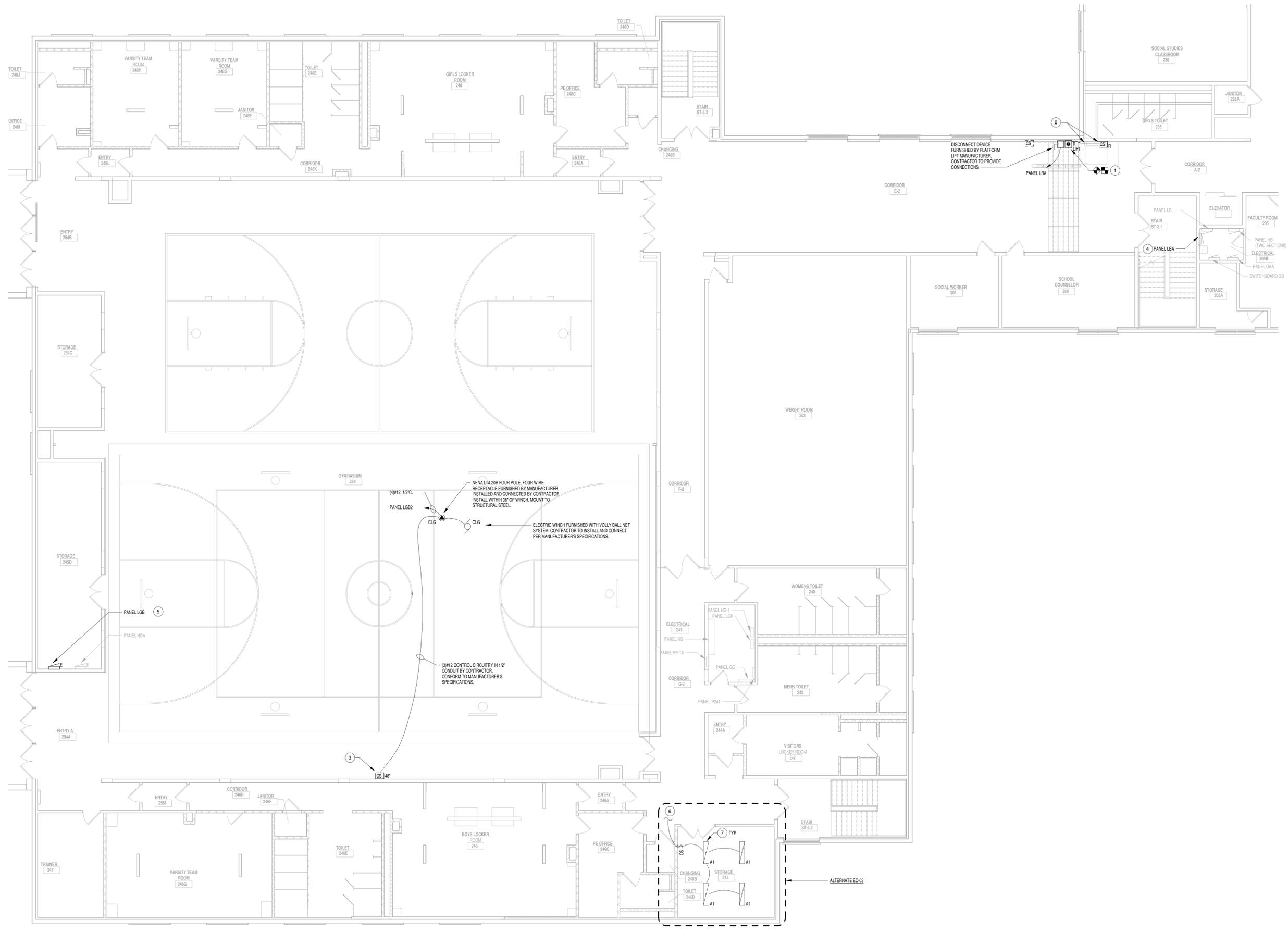
REV	DATE	DESCRIPTION

DRAWN BY NRW	PROJECT NUMBER 2020-117
CHECKED BY JLE	DATE 03/19/2021

SECOND FLOOR AREA B - PARTIAL PLANS

SHEET NUMBER

E-100

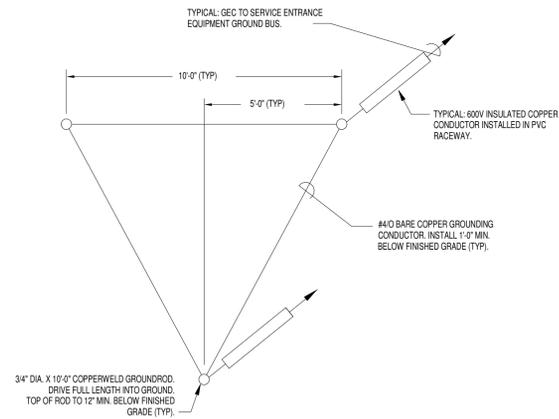


1 SECOND FLOOR AREA B - PARTIAL PLANS
 SCALE: 1/8" = 1'-0"

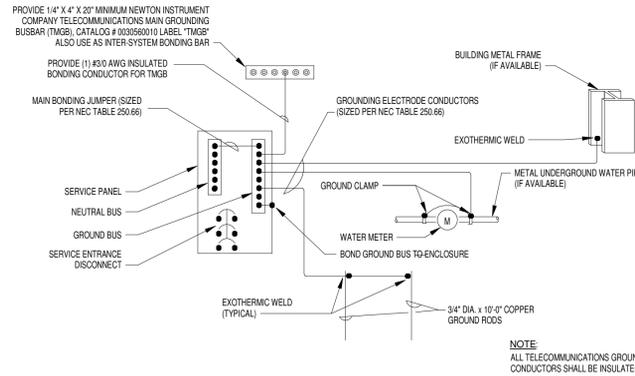
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GENERAL NOTES:

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.



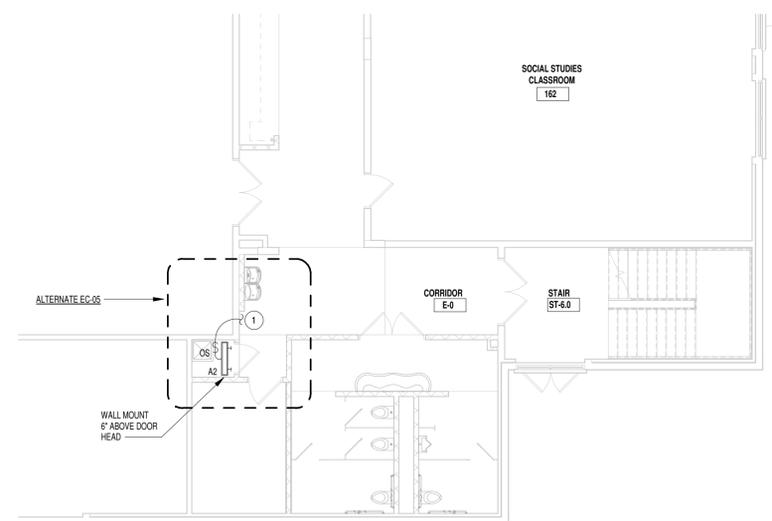
4 ELECTRODE GROUND TIED GRID DETAIL
SCALE: NOT TO SCALE



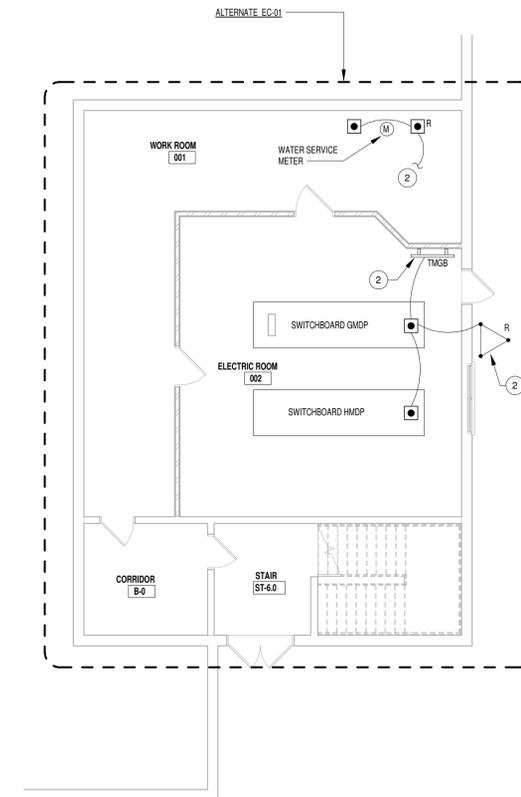
3 TYPICAL SYSTEM GROUNDING DETAIL
SCALE: NOT TO SCALE

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/L2MIL)	
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.

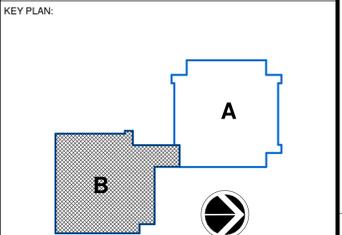


2 FIRST FLOOR PARTIAL PLAN - AREA B
SCALE: 1/8" = 1'-0"



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

- GENERAL NOTES**
1. SEE DRAWING E-000 FOR APPLICABLE SYMBOLS, ABBREVIATIONS AND ELECTRICAL GENERAL NOTES.
 2. SEE ARCHITECTURAL REFERENCE PLANS FOR WALL ASSEMBLY FIRE RATINGS. FIRE-CALX 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.



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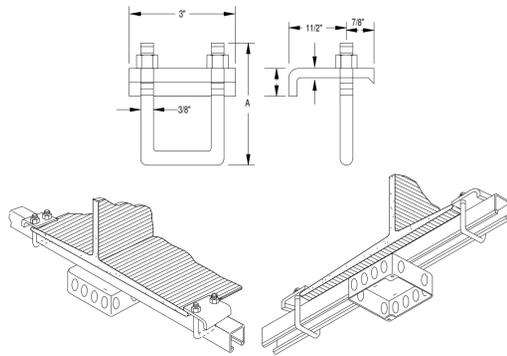
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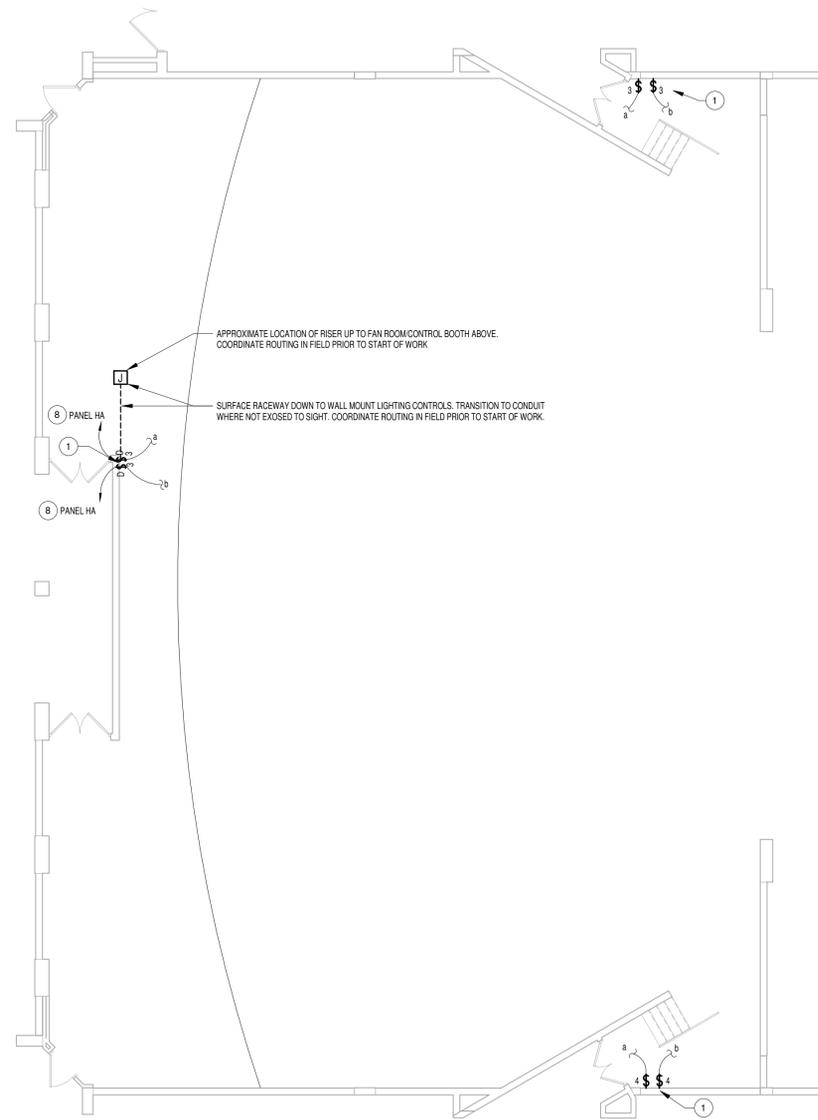
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CHECKED BY JLE	DATE 03/19/2021

BASEMENT & FIRST FLOOR AREA B - PARTIAL PLANS

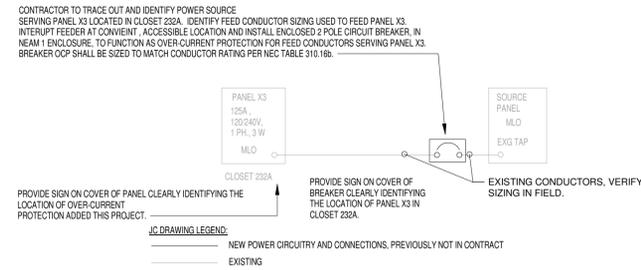
SHEET NUMBER
E-200



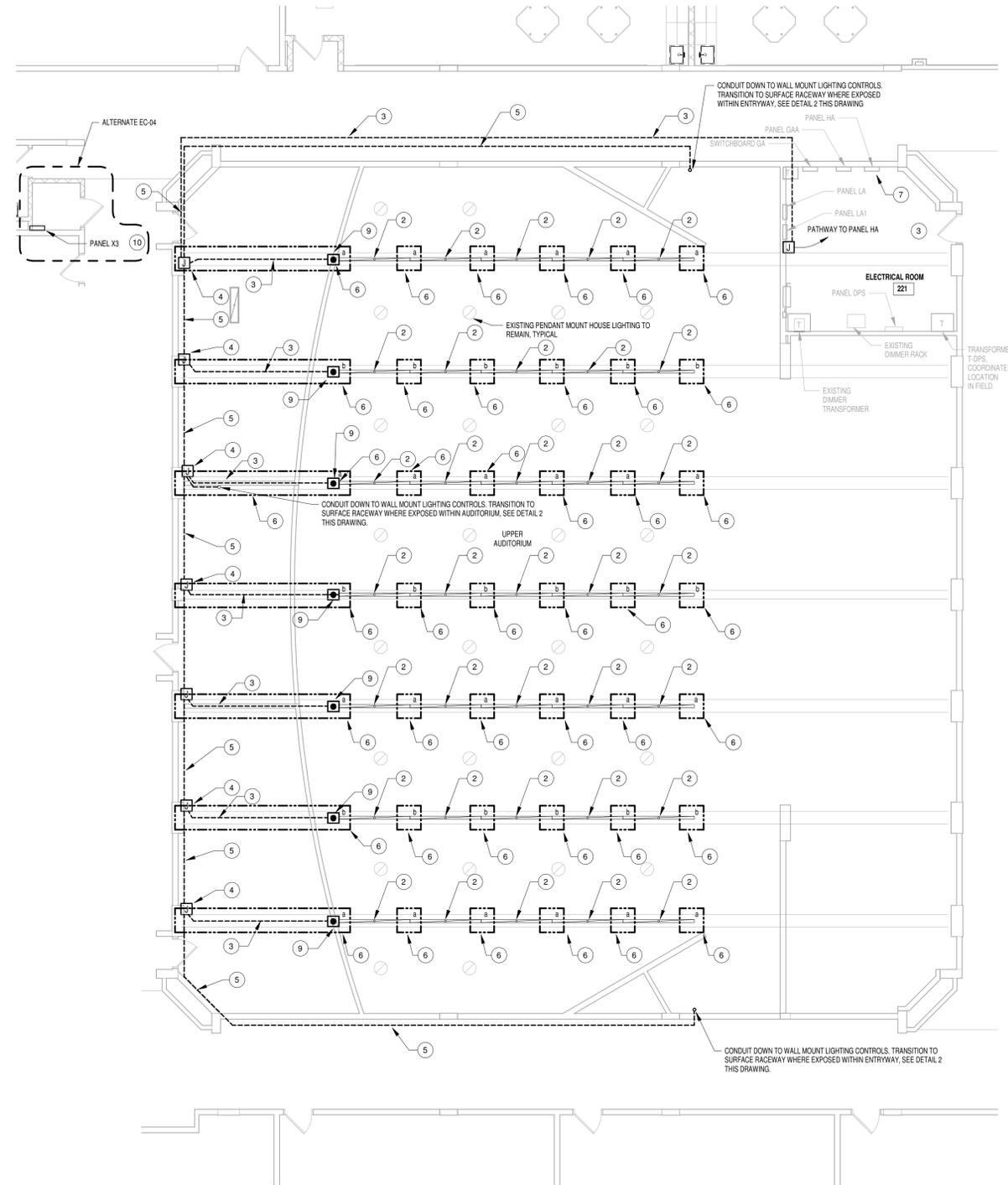
3 BEAM FLANGE MOUNTING DETAIL
SCALE: NOT TO SCALE



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

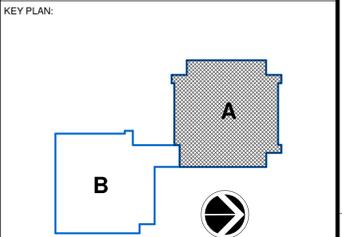


4 PANEL X3 OVER-CURRENT PROTECTION
SCALE: NOT TO SCALE



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

- GENERAL NOTES**
- SEE DRAWING E-300 FOR APPLICABLE SYMBOLS, ABBREVIATIONS AND ELECTRICAL GENERAL NOTES.
 - SEE ARCHITECTURAL REFERENCE PLANS FOR WALL ASSEMBLY FIRE RATINGS. FIRE CALK 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 CORLEITE CAT# HGL-S-FR 84-10-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 CHU 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 CHU CONSTRUCTION FOR LIGHTING CONDUCTORS. COORDINATE ACTUAL ROUTING AND SPACING IN FIELD PRIOR TO START OF WORK.
 - MOUNT LINEAR FIXTURE AIRCRAFT CABLE PENDANT SUPPORT TO STRUT ASSEMBLY-BEAM FLANGE MOUNT SIMILAR TO DETAIL SE-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 20A 1P CIRCUIT BREAKERS IN PANEL. AMEND PANEL DIRECTORIES ACCORDINGLY.
 - PROVIDE 20A 277V SINGLE PHASE CIRCUITRY BACK TO PANEL HA AND CONNECT TO 20A 1P 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 4-E-300 FOR INFORMATION.



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REV	DATE	DESCRIPTION

DRAWN BY: NRW PROJECT NUMBER: 2020-117
 CHECKED BY: JLE DATE: 03/19/2021

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:

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REV	DATE	DESCRIPTION

DRAWN BY NRW	PROJECT NUMBER 2020-117
CHECKED BY JLE	DATE 03/19/2021

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. # HVSL4-4-LD4-2-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. # HVSL4-2-LD4-2-STD-40-UV-0-EDC1 HVSL4-2-WMAB4S	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-MS2-L40 POLE-RTA-25-C-6-B-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-MS2-L40 POLE-RTA-20-C-6-B-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-MS2-L40 POLE-RTA-16-D-4-A-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-MS2-L40 POLE-RTA-25-C-6-B-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	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	4
5	CAFÉ ROOM, BOYS ROOM, 1ST FLR STAIR	20	1	--	C	--				6
7					A	--	1	20	ART ROOM ART ROOM UJ V	8
9	CAFÉ AHU	20	3	--	B	--	1	20	ART ROOM, GRADE STAIRS HEAT	10
11					C	--				12
13					A	--	2	50	SPARE	14
15	CONCESSION STAND PANEL	30	3	--	B	--				16
17					C	--	2	50	SPARE	18
19					A	--				20
21	MAINTENANCE GARAGE PANEL	50	3	--	B	--	3	20	EXISTING LOAD	22
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	POLE	BKR AMP	LOAD DESCRIPTION	CKT #
1	COPPER RECEPTACLE	20	2		A		1	20	HANDICAP LIFT	2
3					B		1	20	SPARE	4
5	RECEPTACLES IN COPPER RM	20	1	1800	C	1800	1	20	RECP. TEACHERS LOUNGE	6
7	SPARE ?	20	1	1800	A	1800	1	20	RECEPTACLES	8
9	SPARE ?	20	1	1800	B	1800	1	20	RECEPTACLES	10
11	UPS 1ST FLOOR DATA CLOSET	20	1	1800	C		2	20	COPPER RECEPTACLES	12
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	16
17	POWER SUPPLY FOR FIXTURES IN TOILET 135	20	1		C		1	15	EF-1, EF-2	18
19	RECEPTACLES IN TOILET 131	20	1		A		1	20	POWER SUPPLY FOR FIXTURES IN TOILET 131	20
21	HAND DRYER IN TOILET 131	20	1		B		1	20	POWER SUPPLY FOR FIXTURES IN TOILET 131	22
23	SPARE	-	1		C		1	-	SPACE	24

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