NORTH ROCKLAND CENTRAL SCHOOL DISTRICT

HIGH SCHOOL LIBRARY RENOVATION

BID SET ISSUANCE - 02/23/2026

SED #:500201060016041

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PROJECT NUMBER: 00000.00

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DESIGN CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, NEW YORK STATE ENERGY CONSERVATION AND CONSTRUCTION CODE AND THE NEW YORK STATE EDUCATION DEPARTMENT BUILDING STANDARDS.

REGISTERED ARCHITECT ARMAND SAMUEL QUADRINI 022313 STATE OF NEW YORK

ARCHITECT SEAL
EXP. DATE: 03/31/2028

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GENERAL CODE DATA

BUILDING SUMMARY

Project Name: North Rockland High School
Abbreviation: HS
Address: 216S Albany Post Rd, Montrose, NY 10548
County: Westchester County
Proposed Use: Education / High School
Owner: North Rockland Central School District
Authorized Agent: Anthony Merlini **Phone:** 914.257.5152
Fire District: Montrose Fire District

NORTH ROCKLAND HIGH SCHOOL CODE ANALYSIS

NOTES:
ANALYSIS IS BASED ON THE BUILDING CODE IN AFFECT IN 2020 WHEN THE LAST MAJOR RENOVATIONS & ADDITIONS PROJECT WAS SUBMITTED AND APPROVED BY THE NEW YORK STATE EDUCATION DEPARTMENT FACILITIES PLANNING. NO MAJOR ALTERATIONS TO THE BUILDING HAVE BEEN PERFORMED SINCE THE COMPLETION OF THAT PROJECT. CODE ANALYSIS NOTES THE CORRESPONDING CURRENT APPLICABLE CODE SECTIONS: 2020 IBC, 2020 IEBC, ANSI 117.1-2009 AND ALL APPLICABLE STANDARD

REFEERENCE CODES:
2020 Building Code of New York State
2020 Existing Building Code of New York State
2020 Fire Code of New York State
2020 Mechanical Code of New York State
2020 Energy Conservation Code of New York State
NEC 2017
ANSI 117.1-2009
REVISED 2022 MANUAL OF PLANNING STANDARDS (MPS) NYSED

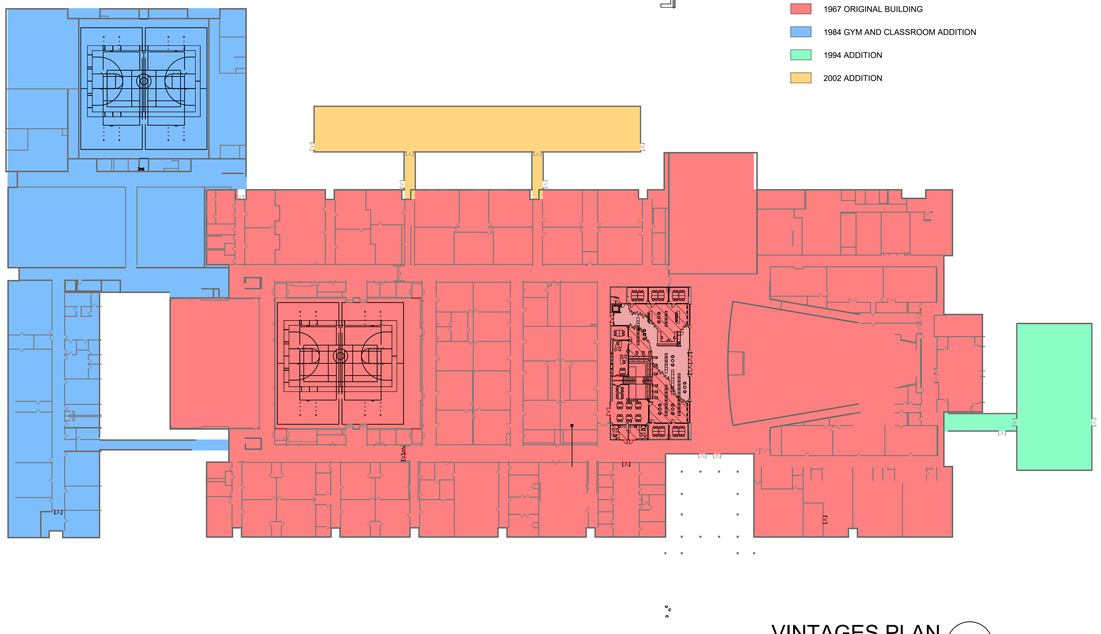
EXISTING BUILDING:

	2003 NYS BC	2020 IBC
Primary use (per section 703):	C5.5 - School	(304) B - Buisness Group
ACCESSORY groups (per section 703):	C1 - Offices	(305) E - Educational Group
	C4.1 - Non-Hazardous Storage	(311) S - Storage Group

- The building is occupied by a single tenant.
- Basement level is not considered a story per code section 705.1(g)(1); Average height of floor above basement is 7 feet.

EXISTING BUILDING CLASSIFICATION (PER SECTION 2003-704; 2015-602):

DATE	CLASS	INTERIOR PARTITIONS	EXTERIOR PARTITIONS	HEIGHT	SUB.B.	BSMT	1st	2nd	3rd	SMOKE/FIRE ZONE
1924	2a/IIA	Load bearing	Load bearing	42'-0" ±	10,100	8,600	13,400	13,400	3,400	A, B
1936	2a/IIA	Load bearing	Load bearing	38'-0" ±	-	4,400	4,400	4,400	-	A
1960	2a/IIB	Non bearing	Non bearing	30'-0" ±	-	9,100	36,500	23,200	-	D, E, F
1974	2a/IIB	Non bearing	Load bearing	30'-0" ±	-	4,700	4,700	-	-	C
1979	3/III	-	Non bearing	30'-0" ±	-	2,500	16,400	-	-	G
2003	2a/IIB	Non bearing	Non bearing	35'-0" ±	-	1,887	3,613	3,613	-	1
2003	2a/IIB	Non bearing	Non bearing	27'-0" ±	-	-	8,000	8,527	-	2
2003	2a/IIB	Non bearing	Non bearing	30'-0" ±	-	-	4,773	4,773	-	3
2003	2a/IIB	Load bearing	Load bearing	12'-0" ±	-	-	4,225	-	-	4
2003	2a/IIB	Non bearing	Load bearing	34'-0" ±	-	-	620	620	-	STAIR
				TOTAL	10,100	31,187	96,631	58,533	7,800	
					GROSS BLDG. AREA			**204,251 S.F.**		



VINTAGES PLAN A10
1" = 50'-0"

NORTH ROCKLAND HIGH SCHOOL AERIAL PLAN A1
N.T.S.

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REGISTERED ARCHITECT ARMAND SAMUEL QUORUM 023313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME: PROJECT INFORMATION
SHEET NUMBER: G-011

PROGRESS SET - FOR REVIEW ONLY

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ABBREVIATIONS

@	AT	INT	INTERIOR	T	TREAD
A/C	AIR-CONDITIONING	INV	INVERT	T&G	TONGUE AND GROOVE
AB	ANCHOR BOLT	INV EL	INVERT ELEVATION	TD	TRENCH DRAIN
ABC	AGGREGATE BASE COURSE			TEL	TELEPHONE
ACS	ACCESS PANEL	J-BOX	JUNCTION BOX	TERR	TERRAZZO
ACT	ACOUSTICAL CEILING TILE	JAN CLO	JANITOR CLOSET	THK	THICK(NESS)
ADJ	ADJACENT			TK BD	TACKBOARD
AFF	ABOVE FINISHED FLOOR	KD	KNOCKED DOWN	TMPD	TEMPERED
ALT	ALTERNATE	KIT	KITCHEN	TO	TOP OF
ALUM	ALUMINUM	KO	KNOCKOUT	TOB	TOP OF BEAM
ANOD	ANODIZED	KPL	KICK PLATE	TOC	TOP OF CURB / TOP OF CONCRETE
AUTO	AUTOMATIC			TOD	TOP OF DECK
		L	ANGLE	TOF	TOP OF FOOTING
BD	BOARD, BEAD	LAB	LABORATORY	TOM	TOP OF MASONRY
BFF	BELOW FINISHED FLOOR	LAM	LAMINATE	TOP	TOP OF PARAPET / TOP OF PAVEMENT
BLDG	BUILDING	LAV	LAVATORY	TOS	TOP OF STEEL
BLK(G)	BLOCK(ING)	LB	POUND	TOW	TOP OF WALL
BM	BEAM	LF	LINEAR FOOT	TPD	TOILET PAPER DISPENSER
BOT	BOTTOM	LG	LONG, LENGTH	TTB	TELEPHONE TERMINAL BOARD
BRG	BEARING	LH	LEFT HAND	TV	TELEVISION
BSMT	BASEMENT	LL	LIVE LOAD	TYP	TYPICAL
BU	BUILT-UP	LLH	LONG LEG HORIZONTAL		
		LLV	LONG LEG VERTICAL	UBC	UNIFORM BUILDING CODE
C	CHANNEL	LPT	LOW POINT	UGND	UNDERGROUND
C TO C	CENTER TO CENTER	LT	LIGHT	UL	UNDERWRITERS' LABROATORY
CA	CARD ACCESS	LT WT	LIGHTWEIGHT	UNFIN	UNFINISHED
CAB	CABINET	LVR	LOUVER	UNO	UNLESS NOTED OTHERWISE
CB	CATCH BASIN			UR	URINAL
CEM	CEMENT	MATL	MATERIAL		
CEM PLAS	CEMENT PLASTER	MAU	MAKE-UP AIR UNIT	V	VENT
CER	CERAMIC	MAX	MAXIMUM	VB	VAPOR BARRIER
CFCI	CONTRACTOR FURNISH/CONTRACTOR INSTAL	MB	MACHINE BOLT	VCP	VITRIFIED CLAY PIPE
CFM	CUBIC FEET PER MINUTE	MECH	MECHANICAL	VCT	VINYL COMPOSITION TILE
CG	CORNER GUARD	MED	MEDIUM, MEDICAL	VERT	VERTICAL
CI	CAST IRON	MEMB	MEMBRANE	VEST	VESTIBULE
CIP	CAST IRON PIPE, CAST-IN-PLACE	MEZZ	MEZZANINE	VIF	VERIFY IN FIELD
CJ	CONTROL JOINT	MFR	MANUFACTURER	VTR	VENT THROUGH ROOF
CKT	CIRCUIT	MH	MANHOLE	VWC	VINYL WALL COVERING
CL	CENTER LINE	MIN	MINIMUM		
CLNG	CEILING	MISC	MISCELLANEOUS	W	WEST / WIDE OR WIDTH / WASTE
CLR	CLEAR	MM	MILLIMETER	W/	WITH
CMP	CORRUGATED METAL PIPE	MO	MASONRY OPENING	W/O	WITHOUT
CMU	CONCRETE MASONRY UNIT	MOD	MODIFY	W/W	WALL TO WALL
CO	CLEAN-OUT	MR	MOISTURE-RESISTANT	WC	WATERCLOSET
COL	COLUMN	MTD	MOUNTED	WD	WOOD
COMB	COMBINATION	MTL	METAL	WDW	WINDOW
CONC	CONCRETE	MVBL	MOVABLE	WGL	WIRE GLASS
CONN	CONNECT			WH	WALL HUNG, WATER HEATER
CONSTR	CONTRUCTION	N	NORTH	WI	WROUGHT IRON
CONT	CONTINUE	NA	NOT APPLICABLE	WP	WATERPROOF
CORR	CORRIDOR	NEUT	NEUTRAL	WR	WATER RESISTANT
CPT	CARPET	NFPA	NATIONAL FIRE PROTECTION ASSOC.	WS	WEATHERSTRIP
CSK	COUNTER SUNK	NIC	NOT IN CONTRACT	WSCT	WAINSCOT
CT	CERAMIC TILE	NO	NUMBER	WT	WEIGHT
CU	CUBIC	NOM	NOMINAL	WW	WASTEWATER
CU FT	CUBIC FEET	NRC	NOISE REDUCTION COEFFICIENT		
CW	COLD WATER PIPING / CURTAIN WALL	NTS	NOT TO SCALE	YD	YARD
D	DEEP, DEPTH	OA	OVERALL		
DBL	DOUBLE	OC	ON CENTER		
DEMO	DEMOLISH	OD	OUTSIDE DIAMETER		
DEPT	DEPARTMENT	OF	OUTSIDE FACE		
DET	DETAIL	OF/CI	OWNER FURNISH / CONTRACTOR INSTALL		
DF	DRINKING FOUNTAIN	OF/OI	OWNER FURNISH / OWNER INSTALL		
DIA	DIAMETER	OFC	OFFICE		
DIAG	DIAGONAL	OH	OVERHANG		
DIM	DIMENSION	OPH	OPPOSITE HAND		
DISP	DISPENSER	OPNG	OPENING		
DMPF	DAMPPROOFING	OPP	OPPOSITE		
DR	DOOR	ORD	OVERFLOW ROOF DRAIN		
DS	DOWNSPOUT				
DWG	DRAWING	PAR	PARALLEL		
		PBD	PARTICLEBOARD		
E	EAST	PC	PIECE		
EA	EACH	PCC	PRECAST CONCRETE		
EF	EACH FACE	PCF	POUNDS PER CUBIC FOOT		
EIFS	EXT INSULATION AND FINISH SYSTEM	PER	PERIMETER		
EJ	EXPANSION JOINT	PERF	PERFORATE(D)		
EL	ELEVATION	PERP	PERPENDICULAR		
ELEC	ELECTRIC(AL)	PL	PROPERTY LINE		
ELEV	ELEVATOR	PLAM	PLASTIC LAMINATE		
EMER	EMERGENCY	PLAS	PLASTER		
EOS	EDGE OF SLAB	PLBG	PLUMBING		
EQ	EQUAL	PLF	POUNDS PER LINEAR FOOT		
EQUIP	EQUIPMENT	PLYWD	PLYWOOD		
EST	ESTIMATE	PNL	PANEL		
ETC	ETCETERA	PR	PAIR		
EW	EACH WAY	PREFAB	PREFABRICATED		
EWC	ELECTRIC WATER COOLER	PREFIN	PREFINISHED		
EXC	EXCAVATE(TION)	PSF	POUNDS PER SQUARE FOOT		
EXH	EXHAUST	PSI	POUNDS PER SQUARE INCH		
EXIST	EXISTING	PT	PAINT		
EXP	EXPANSION	PT	PRESSURE TREATED		
EXP BT	EXPANSION BOLT	PTD	PAPER TOWEL DISPENSER		
EXT	EXTERIOR	PTN	PARTITION		
		PTR	PAPER TOWEL RECEPTACLE		
FA	FIRE ALARM	PUR	PURLIN		
FACP	FIRE ALARM CONTROL PANEL	PVC	POLYVINYL CHLORIDE		
FCO	FLOOR CLEAN-OUT				
FD	FLOOR DRAIN	QT	QUARRY TILE		
FDTN	FOUNDATION	QTR	QUARTER		
FE	FIRE EXTINGUISHER	QTY	QUANTITY		
FEC	FIRE EXTINGUISHER CABINET				
FF EL	FINISHED FLOOR ELEVATION	R	RADIUS / RISER / ROUND		
FHC	FIREHOSE CABINET	RA	RETURN AIR		
FHR	FIREHOSE RACK	RB	RESILIENT BASE		
FIN	FINISH(ED)	RCP	REFLECTED CEILING PLAN		
FLASH	FLASHING	RD	ROOF DRAIN		
FLEX	FLEXIBLE	REC	RECESSED		
FLR	FLOOR	REF	REFERENCE		
FLUOR	FLUORESCENT	REINF	REINFORCE(D,ING)		
FM	FACTORY MUTUAL	REQD	REQUIRED		
FOW	FACE OF WALL	RESIL	RESILIENT		
FP	FIREPROOF	REV	REVISION / REVERSE		
FR	FIRE RETARDANT	RH	RIGHT HAND		
FRP	FIBERGLASS REINFORCED PANEL	RM	ROOM		
FT	FOOT, FEET	RO	ROUGH OPENING		
FUR	FURRING	ROW	RIGHT-OF-WAY		
FUT	FUTURE	RWL	RAINWATER LEADER		
G	GROUND	S	SOUTH		
GA	GAGE	SA	SUPPLY AIR		
GALV	GALVANIZED	SAP	SUSPENDED ACOUSTICAL PANEL		
GC	GENERAL CONTRACTOR	SC	SOLID CORE		
GFCR	GLASS FIBER REINFORCED CONCRETE	SCHED	SCHEDULE		
GI	GALVANIZED IRON	SD	STORM DRAIN		
GL	GLASS, GLAZING	SDG	SIDING		
GPM	GALLONS PER MINUTE	SECT	SECTION		
GYP	GYPSUM	SF	SQUARE FEET / STOREFRONT		
GYP BD	GYPSUM BOARD	SHR	SHOWER		
		SHT	SHEET		
H	HIGH	SHTHG	SHEATHING		
HB	HOSE BIBB	SIM	SIMILAR		
HC	HOLLOW CORE, HANDICAP	SM	SHEET METAL		
HD	HEAVY DUTY	SPCL	SPECIAL		
HDBD	HARDBOARD	SPEC	SPECIFICATION		
HDWD	HARDWOOD	SPKR	SPEAKER		
HDWR	HARDWARE	SQ	SQUARE		
HM	HOLLOW METAL	SS	SERVICE SINK / STAINLESS STEEL		
HORIZ	HORIZONTAL	ST	STREET		
HP	HORSE POWER	STD	STANDARD		
HT	HEIGHT	STOR	STORAGE		
HVAC	HEATING / VENTILATING / AIR-CONDITIONING	STRUCT	STRUCTURAL		
HW	HOT WATER	SUSP	SUSPENDED		
		SV	SHEET VINYL		
ID	INSIDE DIAMETER	SW	SWITCH		
IF	INSIDE FACE	SWR	SEWER		
IMP	INSULATED METAL PANEL	SYMM	SYMMETRICAL		
INCL	INCLUDED	SYS	SYSTEM		
INFO	INFORMATION				
INS	INSULATION				

ROOF PLAN LEGEND

- EXHAUST FAN
- ROOF DRAIN
- ROOF VENT
- ROOF HATCH
- ROOFTOP MECHANICAL EQUIPMENT
- ROOFTOP MECHANICAL EQUIPMENT
- THROUGH-WALL SCUPPER
- SKYLIGHT
- E.J. EXPANSION JOINT COVER ASSEMBLY

FLOOR PLAN LEGEND

WALL TYPES:

- DEMOLITION
- NEW CONSTRUCTION

FIRE RATING WALL TYPES:

- 30 MIN FIRE BARRIER
- 1 HR FIRE BARRIER
- 2 HR FIRE BARRIER
- TRAVEL DISTANCE

OTHER WALL-MOUNTED COMPONENTS:

- CORNER GUARDS
- FEC — FULL RECESSED FIRE EXTINGUISHER CABINET
- FEC — SEMI-RECESSED FIRE EXTINGUISHER CABINET
- FE — SURFACE MOUNTED FIRE EXTINGUISHER BRACKET
- DENOTES OVERHEAD FIRE SHUTTER
- EXPANSION JOINT

FLOOR-MOUNTED COMPONENTS:

- FLOOR DRAIN
- FLOOR SINK

CEILING PLAN LEGEND

- START POINT
- FIRE ALARM PULL STATION
- FIRE ALARM AUDIO/VISUAL DEVICE
- HEAT/THERMAL DETECTOR
- OCCUPANCY SENSOR
- CEILING FAN
- VOICE ENHANCEMENT SPEAKER (CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
- INTERCOM (CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
- SUSPENDED ACOUSTICAL CEILING: 1'X1', 2'X2', & 2'X4' SYSTEMS
- TRACK LIGHTING
- SUSPENDED UPLIGHT
- SUSPENDED UPLIGHT
- STRIP LIGHTING FIXTURE LENGTH VARIES
- COVE LIGHT
- 30" DEEP RADIANT
- PHOTO CELL
- SMOKE DETECTOR
- INTERCOM SPEAKER
- CLASSROOM SPEAKER
- AUDIO/VISUAL FIXTURE
- CAMERA
- TONE/VISUAL FIXTURE
- CCTV SURVEILLANCE FIXTURE
- MOTION SENSOR
- EXIT SIGN
- EMERGENCY LIGHT
- ACCESS PANEL (ACS)
- EXTERIOR LIGHT FIXTURE
- CEILING MOUNTED WALL PROJECTOR
- GYPSUM WALLBOARD, CEMENT OR GYP PLASTER
- EXPOSED STRUCTURE
- EXISTING TO REMAIN
- WOOD T&G CEILING
- SUPPLY DIFFUSER
- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- RETURN REGISTER
- EXHAUST GRILLE
- FORCE AIR DIFFUSER
- SIDE WALL DIFFUSER
- 2' X 4' LIGHT FIXTURE
- 2' X 2' LIGHT FIXTURE
- 1' X 2' LIGHT FIXTURE
- 1' X 1' LIGHT FIXTURE
- LIGHT FIXTURE LENGTH VARIES
- WALL MOUNTED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- RECESSED DOWNLIGHT

ANNOTATION LEGEND

- TITLE / 12" = 1'-0" / A1 — VIEW TITLE
- A1 / A101 — BUILDING ELEVATION
- A1 / A101 — INTERIOR ELEVATION
- 1 / A101 — 1 / A101 — BUILDING SECTION
- 1 / A101 — WALL SECTION
- A1 / A101 — DETAIL
- PATTERN DIRECTION
- ROOM NAME / 101 — ROOM NAME & NUMBER
- 101A — DOOR NUMBER
- HM-X — FRAME TYPE
- A — WINDOW TYPE
- A — CURTAIN PANEL TYPE
- A01 — WALL TYPE
- LEVEL 100'-0" — ELEVATION
- X'- XX" — CEILING HEIGHT (AFF)
- 1 / A — COLUMN GRID
- 1 — REVISION CLOUD & DELTA
- PT-X / RB-X / VCT-X — WALL FINISH / BASE FINISH / FLOOR FINISH
- PT-X — DESIGNATED WALL FINISH
- VCT-X — DESIGNATED FLOOR FINISH
- XXX / XXX — MILLWORK COUNTERTOP/SPLASH, MILLWORK WALL OR BASE CABINETS
- ACCESSIBLE ROOMS WITH MOBILITY FEATURES
- ACCESSIBLE ROOMS WITH COMMUNICATION FEATURES
- NORTH ARROW
- ALIGN SYMBOL

MATERIAL LEGEND

- EARTH
- GLASS
- AGGREGATE BASE COURSE
- SAND, MORTAR, GYP BD, GROUT, PLASTER
- CONCRETE
- CONCRETE MASONRY UNIT
- BRICK
- STEEL
- RIGID INSULATION
- BATT INSULATION
- ACOUSTICAL PANEL
- PLYWOOD, OSB
- FINISH WOOD
- DIMENSIONAL LUMBER, CONTINUOUS
- DIMENSIONAL LUMBER BLOCKING
- EXISTING

GENERAL ARCHITECTURAL NOTES

1 EXTERIOR DIMENSIONS GIVEN TO THE EXTERIOR FACE OF FRAMING (STUDS). DIMENSIONS TO INTERIOR PARTITIONS ARE TO THE FACE OF STUD OR CMU UNLESS NOTED "CLR" OR NOTED OTHERWISE.
2 LARGE SCALE DETAILS AND PLANS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS.
3 ALL ITEMS ARE CONSIDERED TO BE "NEW" UNLESS NOTED OTHERWISE.
4 COORDINATE AND VERIFY ALL DIMENSIONS, OPENINGS AND CONDITIONS WITH CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND ALL OTHER PERTINENT DRAWINGS AND TRADES PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF DISCREPANCIES AS SOON AS POSSIBLE.
5 DO NOT SCALE DRAWINGS.
6 ALL DETAILS ARE TYPICAL, INCORPORATE INTO PROJECT AT APPROPRIATE LOCATIONS WHETHER SPECIFICALLY INDICATED OR NOT.
7 HINGE SIDE OF ALL DOORS ARE LOCATED 3" (OR 2 STUDS) FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
8 THE DRAWINGS & SPECIFICATIONS ARE COMPLIMENTARY DOCUMENTS AND NEITHER TAKE PRECEDENT OVER THE OTHER. CONFLICTS IN SPECIFICATIONS AND DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.
9 THIS SET OF DRAWINGS INDICATES GENERAL SCOPE OF THE PROJECT. THE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT. ON BASIS OF SCOPE INDICATED OR DESCRIBED, CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR PROPER EXECUTION AND COMPLETION OF THE WORK.
10 ALL CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF APPLICABLE LOCAL, STATE, AND FEDERAL CODES OR REGULATIONS.
11 ALL NEW CONSTRUCTION SHALL MEET CURRENT REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.
1 THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES
2 BEFORE PROCEEDING WITH EXCAVATION, TRENCHING OR SIMILAR WORK. THESE DRAWINGS DO NOT CERTIFY THE EXISTENCE OF UTILITIES WHICH MAY BE PRESENT BUT UNRECORDED OR UNDETECTED.
1 PROVIDE LINTELS OR HEADERS AS REQUIRED OR DIRECTED OVER OPENINGS PENETRATED
3 BY MECHANICAL EQUIPMENT.
1 PROVIDE MIN. 2X6 FIRE RETARDANT WOOD OR STEEL PLATE BLOCKING BETWEEN STUDS AT
4 MOUNTING LOCATIONS FOR TOILET ACCESSORIES, HANDRAILS, GUARDRAILS, MILLWORK AND OTHER WALL MOUNTED ITEMS.
1 PROVIDE CODE COMPLIANT NON-COMBUSTIBLE BLOCKING, SUPPORTS, ETC., FOR SECURE,
5 INSTALLATION OF WALL MOUNTED ITEMS. CONTRACTOR TO DETERMINE TYPE OF BLOCKING AND ANCHORING AS REQUIRED TO SUIT INSTALLATION AND WALL CONDITION. REFER TO ARCHITECTURAL DRAWINGS FOR STANDARD DETAILS AND MOUNTING HEIGHTS.
1 PROVIDE SECURE AND PERMANENT ANCHORAGE FOR CEILING FURRING AND OTHER
6 CEILING MOUNTED ITEMS, SEISMIC REQUIREMENTS APPLY.
1 PROVIDE FIRE STOPPING AT ALL PENETRATIONS OF WALLS AND FLOORS AS SPECIFIED IN
7 SPEC SECTION - FIRESTOPPING.
1 ALL SUBSTITUTIONS OF MATERIALS AND ASSEMBLIES MUST BE APPROVED BY ARCHITECT
8 IN ACCORDANCE WITH DIVISION 1 SPECIAL CONDITIONS.
1 CONTRACTOR IS REQUIRED TO PROVIDE CONTROL AND EXPANSION JOINTS IN ALL
9 ASSEMBLIES PER SPECIFICATION.
2 CONTRACTOR SHALL PROVIDE ACCESS TO ALL FIRE DAMPERS AND SPRINKLER HEADS.
0
2 ALL PIPING, DUCTWORK, AND CONDUIT TO BE CONCEALED UNLESS NOTED OTHERWISE.
1
2 ALL EXISTING SITE COMPONENTS TO REMAIN SHALL BE PROTECTED DURING
2 CONSTRUCTION. ALL DAMAGED SURFACES AND EQUIPMENT SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AS REQUIRED BY THE OWNER'S REP.
2 SITE SURVEY IS PROVIDED BY OTHERS AND IS INCLUDED FOR INFORMATION ONLY. ALL
3 CONDITIONS TO BE FIELD VERIFIED BY CONTRACTOR.
2 CONTRACTOR SHALL MAINTAIN SITE DRAINAGE DURING CONSTRUCTION.
4
2 CONTRACTOR SHALL MAINTAIN A CLEAN AND SECURE SITE AS REQUIRED BY DIVISION 1 -
5 CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS.
2 VERIFY THE FOLLOWING WITH THE RESPECTIVE TRADES:
6 A. SIZES AND LOCATIONS FOR BACKING/BLOCKING REQUIRED FOR MOUNTING MECH. AND / OR ELEC. EQUIPMENT
B. SIZES AND LOCATIONS OF MECH. AND/OR ELEC. PENETRATIONS
C. CUTTING AND PATCHING FOR WORK REQUIRED BY MECH. AND / OR ELEC.
2 HOT WATER LINES AND DRAIN LINES UNDERNEATH ACCESSIBLE SINKS SHALL BE
7 INSULATED.
2 PROVIDE SPRAY-ON TYPE FIREPROOFING FOR ALL STRUCTURAL STEEL FRAMING AS
8 REQUIRED, EXCEPT AT EXPOSED STEEL, UNO.
2 PROVIDE SEISMIC SPLAY WIRES & PROVIDE COMPRESSION STRUTS FOR ACOUSTICAL TILE
9 & GYP BD SUSPENSION SYSTEMS.
3 ALL CONSTRUCTION SHALL COMPLY TO RESPECTIVE SEISMIC REQUIREMENT SEE STRUCT
0 DRAWINGS FOR SEISMIC CHARACTERISTICS.
3 EXPOSED ENDS OF ALL PROJECTING ELEMENTS SUCH AS SILLS, LEDGES & SIMILAR
1 COMPONENTS FABRICATED IN METAL, STONE & OTHER MATERIALS SHALL BE FINISHED SAME AS FACE.
3 FOR SPRAY-APPLIED AND INTUMESCENT FIRE PROTECTION SCOPE, REFER TO SCHEDULE
2 AT END OF SECTION 07 81 23 INTUMESCENT FIREPROOFING

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REGISTERED ARCHITECT ARMAND SAMUEL QUADRINI 032313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME: GENERAL NOTES / ABBREVIATIONS / LEGENDS AND SYMBOLS
SHEET NUMBER: G-031

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: AuthorCHECKED BY: Checker
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WALL TYPE NOTES

1. ALL WALLS ARE TYPE A3.0 UNLESS NOTED OTHERWISE.
2. USE TYPE "X" GYP. BOARD THROUGHOUT UNLESS NOTED OTHERWISE.
3. IN ALL PARTITIONS DO NOT PLACE ELECTRICAL BOXES OR SIMILAR DEVICES BACK TO BACK OR SIDE TO SIDE IN MANNER TO DIMINISH ACOUSTIC RATING. CAULK PER MANUFACTURE'S RECOMMENDATION TO ALL BOXES.
4. REFER TO LIFE SAFETY PLAN SHEETS G-100'S, FOR FIRE RATED WALL LOCATIONS.
5. PROVIDE SOUND BATT INSULATION IN ALL UNIT DEMISING WALLS, UNIT CORRIDOR WALLS, BATHROOM WALLS, ELEVATOR WALLS.
6. AT PENETRATIONS IN RATED WALLS EXCEEDING 96 SQ. INCHES, LINE THE PENETRATION WITH THE SAME LAYERS OF GYP. BD. AS THE WALL. ONE LAYER FIRE RATED GYPSUM BOARD FOR 1 HR. WALLS AND TWO LAYERS FOR 2 HR. WALLS
7. PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE.
8. AT WALLS WITH TILE, REPLACE 5/8" TYPE 'X' GYP. BD. WITH 5/8" CEMENT BOARD AND WATERPROOF MEMBRANE BEHIND ALL TILE AND 5/8" MR GYP. BD. ABOVE TILE WHERE TILE STOPS AT 5'-0" AFF. SEE INTERIOR ELEVATIONS.
9. ALL TOP TRACKS ON NON LOAD BEARING WALLS TO BE SLIP TRACKS.
10. PROVIDE 1 1/2" SPRAY APPLIED INSULATION ONLY WHERE METAL STUD WALL MEETS THE ROOF.

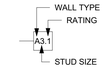
PARTITION TYPE LEGEND

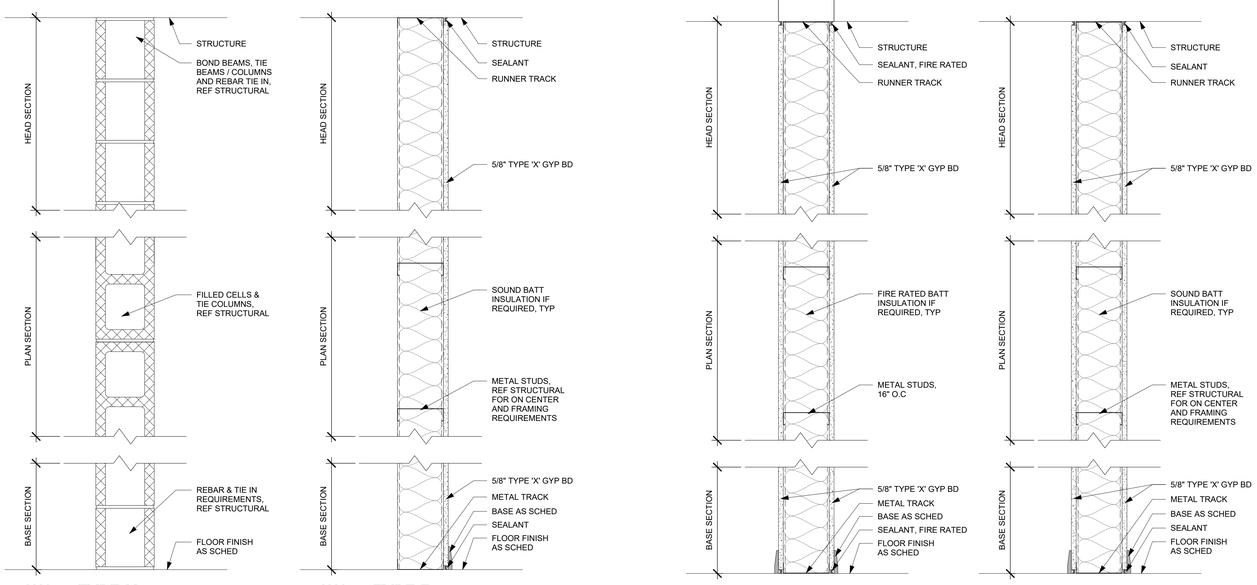
WALL TYPE
- A = ACOUSTICAL WALL
- C = CHASE WALL
- F = FURRING WALL
- M = MASONRY WALL
- P = PARTIAL HEIGHT WALL
- S = SHAFT WALL
- T = SHEAR WALL

RATING
- .0 = 30 MINUTE RATING
- .1 = 1 HOUR RATING
- .2 = 2 HOUR RATING

STUD SIZE
- X = NO FRAMING MEMBER
- 0 = 7/8"
- 1 = 1 5/8"
- 2 = 2 1/2"
- 3 = 3 5/8"
- 4 = 4"
- 6 = 6"
- 8 = 8"

WALL TAG KEY





WALL TYPE M

CONCRETE MASONRY UNIT
CORE WALL UNIT, WITH OR WITHOUT:
INTERIOR FURR OUT, ONE OR BOTH SIDES
UL # = XXXX
2 HR FIRE RATING
STC (DESIGNED) = 65

WALL TYPE F

ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD
ON ONE SIDE OF METAL STUDS

WALL TYPE A.1

ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD
ON BOTH SIDES OF METAL STUDS
FIRE RATED BATT INSULATION IN CAVITY
UL# = U465
1 HR FIRE RATING
STC (DESIGNED) = 52

WALL TYPE A

ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD
ON BOTH SIDES OF METAL STUDS
BATT INSULATION IN CAVITY
UL # = U419
STC (DESIGNED) = 52

WALL TYPE LEGEND

1 1/2" = 1'-0" (A1)

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REGISTERED ARCHITECT
ARMAND SAMUEL QUORIN
023313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date
1	SED ADDENDUM #2	11/12/2025

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME:
EXTERIOR WALL ASSEMBLIES & INTERIOR WALL TYPES
SHEET NUMBER:
G-041

PROGRESS SET - FOR REVIEW ONLY

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APPROVED BY: Author
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303 Changes in Level

303.1 General. Changes in level in floor surfaces shall comply with Section 303.

303.2 Vertical. Changes in level of 1/4 inch (6.4 mm) maximum in height shall be permitted to be vertical.

303.3 Beveled. Changes in level greater than 1/4 inch (6.4 mm) in height and not more than 1/2 inch (13 mm) maximum in height shall be beveled with a slope not steeper than 1:2.

303.4 Ramps. Changes in level greater than 1/2 inch (13 mm) in height shall be ramped and shall comply with 405 or 406.

304 Turning Space

304.1 General. Turning space shall comply with Section 304.

304.2 Floor Surface. Floor surfaces of a turning space shall have a slope not steeper than 1:48 and shall com ply with Section 302.

304.3 Size. Turning space shall comply with 304.3.1 or 304.3.2.

304.3.1 Circular Space. The turning space shall be a circular space with a 60 inches (1525 mm) minimum diameter. The turning space shall be permitted to include knee and toe clearance complying with 306.

304.3.2 T-Shaped Space. The turning space shall be a T-shaped space with a 60 inch (1525 mm) minimum turning area, with arms and base 36 inches (915 mm) minimum in width. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction, and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.

304.4 Door Swing. Unless otherwise specified, doors shall be permitted to swing into turning spaces.

305 Clear Floor or Ground Space

305.1 General. A clear floor space shall comply with Section 305.

305.2 Floor Surfaces. Floor surfaces of a clear floor space shall have a slope not steeper than 1:48 and shall comply with Section 302.

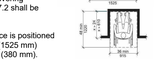
305.3 Size. The clear floor or ground space shall be 48 inches (1220 mm) minimum in length and 30 inches (760 mm) minimum in width.

305.4 Knee and Toe Clearance. Unless otherwise specified, clear floor space shall be permitted to include knee and toe clearance complying with 306.

305.5 Position. Unless otherwise specified, clear floor space shall be positioned for either forward or parallel approach to an element.

305.6 Approach. One full, unobstructed side of the clear floor space shall adjoin or overlap an accessible route or adjoin another clear floor space.

305.7 Alcoves. If a clear floor space is in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearances complying with Sections 305.7.1 and 305.7.2 shall be provided, as applicable.



305.7.1 Parallel Approach. Where the clear floor space is positioned for a parallel approach, the alcove shall be 60 inches (1525 mm) minimum in width where the depth exceeds 15 inches (380 mm).

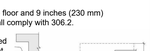
305.7.2 Forward Approach. Where the clear floor space is positioned for a forward approach, the alcove shall be 36 inches (915 mm) minimum in width where the depth exceeds 24 inches (610 mm).

306 Knee and Toe Clearance

306.1 General. Where space beneath an element is included as part of clear floor space at an element, clearance at an element, or a turning space, the space shall comply with 306. Additional space beyond knee and toe clearance shall be permitted beneath elements.

306.2 Toe Clearance.
306.2.1 General. Space beneath an element between the floor and 9 inches (230 mm) above the floor shall be considered toe clearance and shall comply with 306.2.

306.2.2 Maximum Depth. Toe clearance shall be permitted to extend 25 inches (635 mm) maximum under an element.

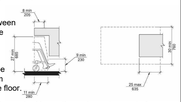


306.2.3 Minimum Depth. Where toe clearance is required at an element as part of a clear floor space complying with Section 305, the toe clearance shall extend 17 inches (430 mm) minimum beneath the element.

306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the floor shall not be considered toe clearance.

306.2.5 Width. Toe clearance shall be 30 inches (760 mm) minimum in width.

306.3 Knee Clearance.
306.3.1 General. Space beneath an element between 9 inches (230 mm) and 27 inches (685 mm) above the floor shall be considered knee clearance and shall comply with 306.3.



306.3.2 Maximum Depth. Knee clearance shall be permitted to extend 25 inches (635 mm) maximum under an element at 9 inches (230 mm) above the floor.

306.3.3 Minimum Depth. Where knee clearance is required beneath an element as part of a clear floor space complying with Section 305, the knee clearance shall be 11 inches (280 mm) minimum in depth at 9 inches (230 mm) above the floor, and 8 inches (205 mm) minimum in depth at 27 inches (685 mm) above the floor.

306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 27 inches (685 mm) above the floor, the knee clearance shall be permitted to be reduced at a rate of 1 inch (25 mm) for each 6 inches (150 mm).

306.3.5 Width. Knee clearance shall be 30 inches (760 mm) minimum in width.

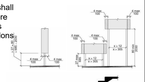
307 Protruding Objects

307.1 General. Protruding objects on circulation paths shall comply with 307.

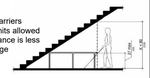
307.2 Protrusion Limits. Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the floor shall protrude 4 inches (100 mm) maximum horizontally into the circulation path.

Exception: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.

307.3 Post-Mounted Objects. Objects on posts or pylons shall be permitted to overhang 4 inches (100 mm) maximum where more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the floor. Objects on multiple posts or pylons where the clear distance between the posts or pylons is greater than 12 inches (305 mm) shall have the lowest edge of such object either 27 inches (685 mm) maximum or 80 inches (2030 mm) minimum above the floor.



307.4 Reduced Vertical Clearance. Guardrails or other barriers shall be provided where object protrusion is beyond the limits allowed by Sections 307.2 and 307.3, and where the vertical clearance is less than 80 inches (2030 mm) above the floor. The leading edge of such guardrail or barrier shall be 27 inches (685 mm) maximum above the floor.



307.5 Required Clear Width. Protruding objects shall not reduce the clear width required for accessible routes.

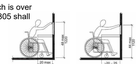
308 Reach Ranges

308.1 General. Reach ranges shall comply with Section 308.

308.2 Forward Reach.

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the floor.

308.2.2 Obstructed High Reach. Where a high forward reach is over an obstruction, the clear floor space complying with Section 305 shall extend beneath the element for a distance not less than the required reach depth over the obstruction. The high forward reach shall be 48 inches (1220 mm) maximum above the floor where the reach depth is 20 inches (510 mm) maximum. Where the reach depth exceeds 20 inches (510 mm), the high forward reach shall be 44 inches (1120 mm) maximum above the floor, and the reach depth shall be 25 inches (635 mm) maximum.



308.3 Side Reach.

308.3.1 Unobstructed. Where a clear floor space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the floor.

Exception: Existing counters shall be permitted at 54 inches (1370 mm) maximum above the floor.

308.3.2 Obstructed High Reach. Where a clear floor space allows a parallel approach to an object and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

309 Operable Parts

309.1 General. Operable parts required to be accessible shall comply with Section 309.

309.2 Clear Floor Space. A clear floor space complying with 305 shall be provided.

309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 308.

309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 K) maximum.

404 Doors, Doorways, and Gates

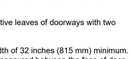
404.1 General. Doors and doorways that are part of an accessible route shall comply with Section 404.

404.2 Manual Doors. Manual doors and doorways and manual gates, including ticket gates, shall comply with Section 404.2.

404.2.1 Double-Leaf Doors and Gates. At least one of the active leaves of doorways with two leaves shall comply with Sections 404.2.2 and 404.2.3.

404.2.2 Clear Width. Doorways shall have a clear opening width of 32 inches (815 mm) minimum. Clear opening width of doorways with swinging doors shall be measured between the face of door and stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) in depth at doors and doorways without doors shall provide a clear opening width of 36 inches (915 mm) minimum. There shall be no projections into the clear opening width lower than 34 inches (865 mm) above the floor. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the floor shall not exceed 4 inches (100 mm).

EXCEPTIONS:
1. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the floor.
2. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear opening width shall be permitted for the latch side stop.



404.2.3 Manuevering Clearances. Minimum maneuvering clearances at doors shall comply with Section 404.2.3 and shall include the full clear opening width of the doorway. Required door maneuvering clearances shall not include knee and toe clearance.

404.2.3.1 Floor Surface. Floor surface within the maneuvering clearances shall have a slope not steeper than 1 :48 and shall comply with Section 302.

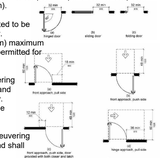
404.2.3.2 Swinging Doors. Swinging doors shall have maneuvering clearances complying with Table 404.2.3.2.

404.2.3.3 Sliding and Folding Doors. Sliding doors and folding doors shall have maneuvering clearances complying with Table 404.2.3.3.

404.2.3.4 Doorways without Doors. Doorways without doors that are less than 36 inches (915 mm) in width shall have maneuvering clearances complying with Table 404.2.3.4

404.2.3.5 Recessed Doors. Where any obstruction within 18 inches (455 mm) of the latch side of a doorway projects more than 8 inches (205 mm) beyond the face of the door, measured perpendicular to the face of the door, maneuvering clearances for a forward approach shall be provided .

404.2.4 Thresholds. If provided, thresholds at doorways shall be 1/2 inch (13 mm) maximum in height. Raised thresholds and changes in level at doorways shall comply with Sections 302 and 303.



EXCEPTION: An existing or altered threshold shall be permitted to be 3/4 inch (19 mm) maximum in height provided that the threshold has a beveled edge on each side with a maximum slope of 1:2 for the height exceeding 1/4 inch (6.4 mm).

404.2.5 Two Doors in Series. Distance between two hinged or pivoted doors in series shall be 48 inches (1220 mm) minimum plus the width of any door swinging into the space. The space between the doors shall provide a turning space complying with Section 304.

404.2.6 Door Hardware. Handles, pulls, latches, locks, and other operable parts on accessible doors shall have a shape that is easy to grasp with one hand and does not require tight grasping, pinching, or twisting of the wrist to operate. Operable parts of such hardware shall be 34 inches (865 mm) minimum and 48 inches (1220 mm) maximum above the floor. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

EXCEPTION: Locks used only for security purposes and not used for normal operation shall not be required to comply with Section 404.2.6.

404.2.7 Closing Speed.

404.2.7.1 Door Closers. Door closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to an open position of 12 degrees shall be 5 seconds minimum.

404.2.7.2 Spring Hinges. Door spring hinges shall be adjusted so that from an open position of 70 degrees, the door shall move to the closed position in 1.5 seconds minimum.

404.2.8 Door-Opening Force. Fire doors shall have the minimum opening force allowable by the appropriate administrative authority. The force for pushing or pulling open doors other than fire doors shall be as follows:
1. Interior hinged door: 5.0 pounds (22.2 K) maximum
2. Sliding or folding door: 5.0 pounds (22.2 K) maximum

These forces do not apply to the force required to retract latch bolts or disengage other devices that hold the door in a closed position.

404.2.9 Door Surface. Door surfaces within 10 inches (255 mm) of the floor, measured vertically, shall be a smooth surface on the push side extending the full width of the door. Parts creating horizontal or vertical joints in such surface shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

EXCEPTIONS:
1. Sliding doors shall not be required to comply with Section 404.2.9.
2. Tempered glass doors without stiles and having a bottom rail or shoe with the top leading edge tapered at no less than 60 degrees from the horizontal shall not be required to comply with the 10-inch (255 mm) bottom rail height requirement.
3. Doors that do not extend to within 10 inches (255 mm) of the floor shall not be required to comply with Section 404.2.9.

404.2.10 Vision Lites. Doors and sidelites adjacent to doors containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one panel on either the door or an adjacent sidelite 43 inches (1090 mm) maximum above the floor.

EXCEPTION: Vision lites with the lowest part more than 66 inches (1675 mm) above the floor shall not be required to comply with Section 404.2.10.

404.3 Automatic Doors. Automatic doors and automatic gates shall comply with Section 404.3. Full powered automatic doors shall comply with ANSI/BHMA A156.10 listed in Section 105.2.4. Power-assist and low-energy doors shall comply with ANSI/BHMA A156.19 listed in Section 105.2.3.

EXCEPTION: Doors, doorways, and gates designed to be operated only by security personnel shall not be required to comply with Sections 404.3.2, 404.3.4, and 404.3.5.

404.3.1 Clear Width. Doorways shall have a clear opening width of 32 inches (815 mm) in power-on and power-off mode. The minimum clear opening width for automatic door systems shall be based on the clear opening width provided with all leafs in the open position.

404.3.2 Maneuvering Clearances. Maneuvering clearances at power-assisted doors shall comply with Section 404.2.3.

404.3.3 Thresholds. Thresholds and changes in level at doorways shall comply with Section 404.2.4. 404.3.4 Two Doors in Series. Doors in series shall comply with Section 404.2.5.

404.3.5 Control Switches. Manually operated control switches shall comply with Section 309. The clear floor space adjacent to the control switch shall be located beyond the arc of the door swing.

405 Ramps

405.1 General. Ramps on accessible routes shall comply with 405.

405.2 Slope. Ramp runs shall have a running slope not steeper than 1:12.

405.3 Cross Slope. Cross slope of ramp runs shall not be steeper than 1:48.

405.4 Floor Surfaces. Floor of ramp runs shall comply with 302.

405.5 Clear Width. The clear width of a ramp run shall be 36 inches (915 mm) minimum. Where handrails are provided on the ramp run, the clear width shall be measured between the handrails.

405.6 Rise. The rise for any ramp run shall be 30 inches (760 mm) maximum.

405.7 Landings. Ramps shall have landings at the top and the bottom of each ramp run. Landings shall comply with 405.7.

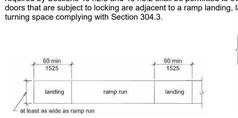
405.7.1 Slope. Landings shall have a slope not steeper than 1:48 and shall comply with Section 302.

405.7.2 Width. Clear width of landings shall be at least as wide as the widest ramp run leading to the landing.

405.7.3 Length. Landings shall have a clear length of 60 inches (1525 mm) minimum.

405.7.4 Change in Direction. Ramps that change direction at ramp landings shall be sized to provide a turning space complying with Section 304.3.

405.7.5 Door ways. Where door ways are adjacent to a ramp landing, maneuvering clearances required by Sections 404.2.3 and 404.3.2 shall be permitted to overlap the landing area. Where doors that are subject to locking are adjacent to a ramp landing, landings shall be sized to provide a turning space complying with Section 304.3.



405.8 Handrails. Ramp runs with a rise greater than 6 inches (150 mm) shall have handrails complying with Section 505.

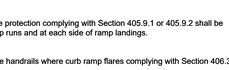
405.9 Edge Protection. Edge protection complying with Section 405.9.1 or 405.9.2 shall be provided on each side of ramp runs and at each side of ramp landings.

EXCEPTIONS:
1. Ramps not required to have handrails where curb ramp flares complying with Section 406.3 are provided.
2. Sides of ramp landings serving an adjoining ramp run or stairway.
3. Sides of ramp landings having a vertical drop–off of ½ inch (13 mm) maximum within 10 inches (255 mm) horizon tally of the minimum landing area.

405.9.1 Extended Floor Surface. The floor surface of the ramp run or ramp landing shall extend 12 inches (305 mm) minimum beyond the inside face of a railing complying with Section 505.

405.9.2 Curb or Barrier. A curb or barrier shall be provided that prevents the passage of a 4–inch (100 mm) diameter sphere where any portion of the sphere is within 4 inches (100 mm) of the floor.

405.10 Wet Conditions.
Landings subject to wet conditions shall be designed to prevent the accumulation of water.



407 Elevators

407.1 General. Elevators shall comply with Section 407 and ASME A17.1 listed in Section 105.2.5. Elevators shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.

407.2 Elevator Landing Requirements. Elevator landings shall comply with Section 407.2.

407.2.1 Call Controls. Where elevator call buttons or keypads are provided, they shall comply with Sections 407.2.1 and 309.4. Call buttons shall be raised or flush. Objects beneath hall call buttons shall protrude 1 inch (25 mm) maximum.

407.2.1.1 Height. Call buttons and keypads shall be located within one of the reach ranges specified in Section 308, measured to the centerline of the highest operable part.

407.2.1.2 Size. Call buttons shall be ¾ inch (19 mm) minimum in the smallest dimension.

407.2.1.3 Clear Floor Space. A clear floor space complying with Section 305 shall be provided at call controls.

407.2.1.4 Location. The call button that designates the up direction shall be located above the call button that designates the down direction.

407.2.1.5 Signals. Call buttons shall have visible signals to indicate when each call is registered and when each call is answered.

407.2.1.6 Keypads. Where keypads are provided, keypads shall be in a standard telephone key pad arrangement and shall comply with Section 407.4.7.2.

407.2.1.7 Destination–oriented Elevator Signals. Destination–oriented elevators shall be provided with visible and audible signals to indicate which car is responding to a call. The audible signal shall be activated by pressing a function button. The function button shall be identified by the International Symbol for Accessibility and tactile indication. The International Symbol for Accessibility, complying with Section 703.6.3.1, shall be 5/8 inch (16 mm) in height and be a visual character complying with Section 703.2. The tactile indication shall be three raised dots, spaced ½ inch (6.4 mm) at base diameter, in the form of an equilateral triangle. The function button shall be located immediately below the key pad arrangement or floor buttons.

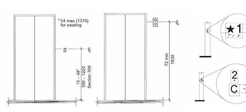
407.2.2 Hall Signals. Hall signals, including in–car signals, shall comply with Section 407.2.2.

407.2.2.1 Visible and Audible Signals. A visible and audible signal shall be provided at each hoistway entrance to indicate which car is answering a call and the car's direction of travel. Where in–car signals are provided they shall be visible from the floor area adjacent to the hall call buttons.

407.2.2.2 Visible Signals. Visible signal fixtures shall be centered at 72 inches (1830 mm) minimum above the floor. The visible signal elements shall be 21/2 inches (64 mm) minimum measured along the vertical centerline of the element. Signals shall be visible from the floor area adjacent to the hall call button.

407.2.2.3 Audible Signals. Audible signals shall sound once for the up direction and twice for the down direction, or shall have verbal annunciators that indicate the direction of elevator car travel. Audible signals shall have a frequency of 1500 Hz maximum. Verbal annunciators shall have a frequency of 300 Hz minimum and 3,000 Hz maximum. The audible signal or verbal annunciator shall be 10 dB minimum above ambient, but shall not exceed 80 dB, measured at the hall call button.

407.2.2.4 Differentiation. Each destination–oriented elevator in a bank of elevators shall have audible and visible means for differentiation.


*54 max (1370) for seating
1000
760
1220
1220
760
1220
760
1220
760

302 FLOOR OR GROUND SPACE

NOT TO SCALE

NOTES:

302.2. CARPET. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE 1/2" (13MM) MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 303.
ADVISORY 302.2 CARPET. CARPETS AND PERMANENTLY AFFIXED MATS CAN SIGNIFICANTLY INCREASE THE AMOUNT OF FORCE (ROLL RESISTANCE) NEEDED TO PROPEL A WHEEL CHAIR OVER A SURFACE. THE FIRMER THE CARPETING AND BACKING, THE LOWER THE ROLL RESISTANCE. A PILE THICKNESS UP TO 1/2" (13MM) IS ALLOWED, ALTHOUGH A LOWER PILE PROVIDES EASIER WHEELCHAIR MANEUVERING. IF A BACKING, CUSHION OR PAD IS USED, IT MUST BE FIRM. PREFERABLY, CARPET PAD SHOULD NOT BE USED.

302.3. OPENINGS. OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" (13MM) DIAMETER EXCEPT AS ALLOWED IN 407.4.3, 409.4.3, 410.4, 810.3 AND 810.4. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

FIG. 302.2 CARPET PILE HEIGHT

FIG. 302.2 CARPET PILE HEIGHT

303 CHANGES IN LEVEL

NOT TO SCALE

NOTES:

303.2. VERTICAL. CHANGES IN LEVEL BETWEEN 1/4" (6.4 MM) HIGH MINIMUM AND 1/2 INCH (13MM) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.

303.3 BEVELED. CHANGES IN LEVEL BETWEEN 1/4" (6.4 MM) HIGH MINIMUM AND 1/2" (13 MM) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.
ADVISORY 303.3 BEVELED. A CHANGE IN LEVEL OF 1/2" (13 MM) IS PERMITTED TO BE 1/4" (6.4 MM) VERTICAL PLUS 1/4" (6.4 MM) BEVELED. HOWEVER, IN NO CASE MAY THE COMBINED CHANGE IN LEVEL EXCEED 1/2" (13 MM). CHANGES IN LEVEL EXCEEDING 1/2" (13 MM) MUST COMPLY WITH 405 (RAMPS) OR 406 (CURB RAMPS)

FIG. 303.2 VERTICAL CHANGE IN LEVEL

FIG. 303.3 BEVELED CHANGE IN LEVEL

304 TURNING SPACE

NOT TO SCALE

NOTES:

304.2. FLOOR OR GROUND SURFACE. FLOOR OR GROUND SURFACES OF A TURNING SPACE SHALL COMPLY 302. CHANGES IN LEVEL ARE NOT PERMITTED.
EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

304.3.1 CIRCULAR SPACE. THE TURNING SPACE SHALL BE A SPACE OF 60" (1525) DIAMETER MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.

304.3.2 T-SHAPED SPACE. THE TURNING SPACE SHALL BE PER FIGURE 304.3.2. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM

FIG. 304.3.2 T-SPACE TURNING SPACE

305 CLEAR FLOOR OR GROUND SPACE

NOT TO SCALE

NOTES:

305.2 FLOOR OR GROUND SURFACES. FLOOR OR GROUND SURFACES OF A CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED.

305.4 KNEE AND TOE CLEARANCE. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.

305.6 APPROACH. ONE FULL UNOBSTRUCTED SIDE OF THE "CLEAR FLOOR SPACE" SHALL ADJOIN AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR FLOOR OR GROUND SPACE.

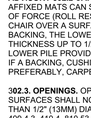


FIG. 305.3 CLEAR FLOOR OR GROUND SPACE

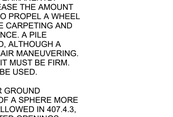


FIG. 305.7.1 FORWARD APPROACH

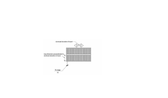


FIG. 305.7.2 PARALLEL APPROACH

MANEUVERING CLEARANCE IN AN ALCOVE FORWARD AND PARALLEL APPROACH

306 KNEE AND TOE CLEARANCE

NOT TO SCALE

NOTES:

KNEE AND TOE CLEARANCE.
306.2 TOE CLEARANCE.
306.2.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9" (230 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE AND SHALL COMPLY WITH 306.2.
306.2.2 MAXIMUM DEPTH. TOE CLEARANCE SHALL EXTEND 25" (635 MM) MAXIMUM UNDER AN ELEMENT.
306.2.3. MINIMUM REQUIRED DEPTH. WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17" (430 MM) MINIMUM UNDER AN ELEMENT.
306.2.4. ADDITIONAL CLEARANCE. SPACE EXTENDING GREATER THAN 6" (150 MM) BEYOND THE AVAILABLE KNEE CLEARANCE AT 9" (230 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT BE CONSIDERED TOE CLEARANCE.

306.3 KNEE CLEARANCE.
306.3.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN 9" (230 MM) AND 27" (685 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE AND SHALL COMPLY WITH 306.3.
306.3.2 MAXIMUM DEPTH. KNEE CLEARANCE SHALL EXTEND 25" (635 MM) MAXIMUM UNDER AN ELEMENT AT 9" (230 MM) ABOVE THE FINISH FLOOR OR GROUND.
306.3.3 MINIMUM REQUIRED DEPTH. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11" (280 MM) DEEP MINIMUM AT 27" (685 MM) ABOVE THE FINISH FLOOR OR GROUND.
306.3.4 CLEARANCE REDUCTION. BETWEEN 9" (230 MM) AND 27" (685 MM) ABOVE THE FINISH FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1" (25 MM) IN DEPTH FOR EACH 6" (150MM) IN HEIGHT.
306.3.5 WIDTH. KNEE CLEARANCE SHALL BE 30" (760 MM) WIDE MINIMUM.

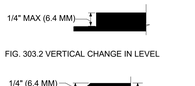


FIG. 306.2 TOE CLEARANCE

FIG. 306.3 KNEE CLEARANCE

307 PROTRUDING OBJECTS

NOT TO SCALE

NOTES:

307.2 PROTRUSION LIMITS OBJECTS WITH LEADING EDGES MORE THAN 27" (685 MM) AND NOT MORE THAN 80" (2030) ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE 4" (100 MM) MAXIMUM HORIZONTALLY INTO THE CIRCULATION .
EXCEPTION: HANDRAILS SHALL BE PERMITTED TO PROTRUDE 4 1/2" (115 MM) MAXIMUM.

307.3. POST MOUNTED OBJECTS. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLON SHALL OVERHANG CIRCULATION PATHS 12" (305 MM) MAXIMUM WHEN LOCATED 27" (685 MM) MINIMUM AND 80" (2030 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE A SIGN OR OTHER OBSTRUCTION IS MOUNTED BETWEEN POSTS OR PYLONS AND THE CLEAR DISTANCE THE POST AND PYLONS IS GREATER THEN 12" (305 MM), THE LOWEST EDGE OF SUCH SIGN OR OBSTRUCTION SHALL BE 27" (685 MM) MAXIMUM OR 80" (2030 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
EXCEPTION: THE SLOPING PORTIONS OF HANDRAILS SERVING STAIRS AND RAMPS SHALL NOT BE REQUIRED TO COMPLY WITH 307.3.

307.4. VERTICAL CLEARANCE. VERTICAL CLEARANCE SHALL BE 80" (2030 MM) HIGH MINIMUM. GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80" (2030 MM) HIGH. THE LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE LOCATED 27" (685 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.
EXCEPTION: DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78" (19980 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

FIG.307.2 LIMITS OF PROTRUDING OBJECTS

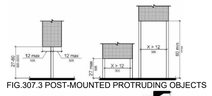


FIG.307.3 POST-MOUNTED PROTRUDING OBJECTS

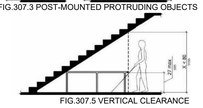


FIG.307.5 VERTICAL CLEARANCE

308 REACH RANGES

NOT TO SCALE

NOTES:

308.2 FORWARD REACH
308.2.1 UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48" (1220 MM) MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15" (380 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

308.2.2 OBSTRUCTED HIGH REACH. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES (510 MM), THE HIGH FORWARD REACH SHALL BE 44 INCHES (1120 MM) MAXIMUM AND THE REACH DEPTH SHALL BE 25 INCHES (635 MM) MAXIMUM.

308.3. SIDE REACH.
308.3.1 UNOBSTRUCTED. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48" (1220 MM) MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM FOR A REACH DEPTH OF 10 INCHES (255 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10 INCHES (255 MM) MAXIMUM, THE HIGH SIDE REACH SHALL BE 46 INCHES (1170 MM) MAXIMUM FOR A REACH DEPTH OF 24 INCHES (610 MM) MAXIMUM.
EXCEPTION 1: AN OBSTRUCTION SHALL BE PERMITTED BETWEEN THE CLEAR FLOOR OR GROUND SPACE AND THE ELEMENT WHERE THE DEPTH OF THE OBSTRUCTION IS 10" (255 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND. 308.3.2. OBSTRUCTED HIGH REACH. WHERE A CLEAR FLOOR GROUND OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL NE 34" (865 MM) MAXIMUM AND THE DEPTH SHALL BE 24" (255 MM) MAXIMUM. THE HIGH SIDE OF REACH SHALL BE 48" (1220 MM) MAXIMUM FOR A REACH DEPTH OF 10" (255 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10" (255 MM), THE HIGH SIDE REACH SHALL BE 46" (1170 MM) MAXIMUM FOR A REACH DEPTH OF 24" (610 MM) MAXIMUM.
EXCEPTION: 1. THE TOP OF WASHING MACHINES AND CLOTHES DRYERS SHALL BE PERMITTED TO BE 36" (915 MM) MAXIMUM ABOVE THE FINISH FLOOR.
2. OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54" (1370 MM) MAXIMUM MEASURED FROM THE SURFACE OF THE VEHICULAR WAY WHERE FUEL DISPENSERS ARE INSTALLED ON EXISTING CURBS.

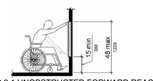


FIG. 308.2.1 UNOBSTRUCTED FORWARD REACH

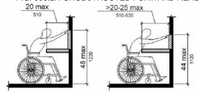


FIG. 308.2.2 OBSTRUCTED HIGH FORWARD REACH

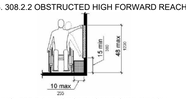


FIG. 308.3.1 UNOBSTRUCTED SIDE REACH

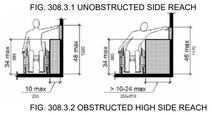


FIG. 308.3.2 OBSTRUCTED HIGH SIDE REACH

402 ACCESSIBLE ROUTES

NOT TO SCALE

NOTES:

402.1. GENERAL. ACCESSIBLE ROUTES SHALL COMPLY WITH 402.
402.2. COMPONENTS. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20, DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS, AND PLATFORM LIFTS. ALL COMPONENTS OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CHAPTER 4.

403 WALKING SURFACES

NOT TO SCALE

NOTES:

403.1. GENERAL. WALKING SURFACES THAT ARE A PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH 403.

403.2. FLOOR OR GROUND SURFACE. FLOOR OR GROUND SURFACES SHALL COMPLY WITH 302.

403.3 SLOPE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48.

403.4. CHANGES IN LEVEL. CHANGES IN LEVEL SHALL COMPLY WITH 303.

403.5. CLEARANCES. WALKING SURFACES SHALL PROVIDE CLEARANCE COMPLYING WITH 403.5.
EXCEPTION: WITHIN EMPLOYEE WORK AREAS, CLEARANCES ON COMMON USE CIRCULATION PATHS SHALL BE PERMITTED TO BE DECREASED BY WORK AREA EQUIPMENT PROVIDED THAT THE DECREASE IS ESSENTIAL TO THE FUNCTION OF THE WORK BEING PERFORMED.

403.5.1. CLEAR WIDTH. EXCEPT AS PROVIDED IN 403.5.2. AND 403.5.3, THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36" (915 MM) MINIMUM.
EXCEPTION: THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32" (815 MM) MINIMUM FOR A LENGTH OF 24" (610 MM) MAXIMUM PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48" (1220 MM) LONG MINIMUM AND 36" (915 MM) WIDE MINIMUM.

403.5.2. CLEAR WIDTH AT TURN. WHERE THE ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN ELEMENT WHICH IS LESS THAN 48" (1220 MM) WIDE, CLEAR WIDTH SHALL BE 42" (1065 MM) MINIMUM APPROACHING THE TURN, 48" (1220 MM) MINIMUM AT THE TURN AND 42" (1065 MM) MINIMUM LEAVING THE TURN.
EXCEPTION: WHERE THE CLEAR WIDTH AT THE TURN IS 60" (1525 MM) MINIMUM COMPLIANCE WITH 403.5.2 SHALL NOT BE REQUIRED.

403.5.3. PASSING SPACES. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60" (1525 MM) SHALL PROVIDE SPACES AT INTERVALS OF 200' (61M) MAXIMUM. PASSING SPACES SHALL BE EITHER: A SPACE 60" (1525 MM) MINIMUM BY 60" (1525 MM) MINIMUM; OR, AN INTERSECTION OF TWO WALKING SURFACES PROVIDING A T-SHAPED SPACE COMPLYING WITH 304.3.2 WHERE THE BASE AND ARMS OF T-SHAPED SURFACES PROVIDING A T-SPACE EXTEND 48" (1220 MM) MINIMUM BEYOND THE INTERSECTION.
403.6 HANDRAILS. WHERE HANDRAILS ARE PROVIDED ALONG WALKING SURFACES WITH RUNNING SLOPES NOT STEEPER THAN 1:20 THEY SHALL COMPLY WITH 505.

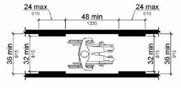


FIG. 403.5.1 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

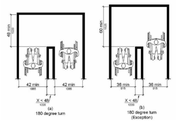


FIG. 403.5.2 CLEAR WIDTH AT TURN

404 DOORS, DOORWAYS, AND GATES

NOT TO SCALE

NOTES:

404.2.2. DOUBLE-LEAF DOORS AND GATES. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH 404.2.3 AND 404.2.4.

404.2.3. CLEAR WIDTH. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32" (815 MM) MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOORS AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24" (610 MM) DEEP SHALL PROVIDE A CLEAR OPENING OF 36" (915 MM) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34" (865 MM) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34" (865 MM) AND 80" (2030 MM) ABOVE THE FINISH FLOOR OR SHALL NOT EXCEED 4" (100 MM).
EXCEPTION: 1. IN ALTERATIONS, A PROJECTION OF 5/8" (16 MM) MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP. **2.** DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78" (1980 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

404.2.4.1. SWINGING DOORS AND GATES. SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.1.

404.2.4.2. DOORWAYS WITHOUT DOORS OR GATES, SLIDING DOORS, AND FOLDING DOORS. DOORWAYS LESS THEN 36" (915 MM) WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.2.

404.2.4.3. RECESSED DOORS AND GATES. MANEUVERING CLEARANCE FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18" (455 MM) OF THE LATCH SIDE OF A DOORWAY PROJECTS MORE THAN 8" (205 MM) BEYOND THE FACE OF THE DOORWAY PROJECTS MORE THAN 8" (205 MM) BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR ON GATE.
ADVISORY 404.2.4.3 RECESSED DOORS AND GATES. A DOOR CAN BE RECESSED DUE TO WALL THICKNESS OR BECAUSE OF THE PLACEMENT OF CASEWORK AND OTHER FIXED ELEMENTS ADJACENT TO THE DOORWAY. THIS PROVISION MUST BE APPLIED WHEREVER DOORS ARE RECESSED.

404.2.5. THRESHOLDS. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE 1/2" (13 MM) HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 302 AND 303.
EXCEPTION: EXISTING OR ALTERED THRESHOLDS 3/4" (19 MM) HIGH MAXIMUM THAT HAVE A BEVELED EDGE ON EACH SIDE WITH A SLOPE NOT STEEPER THAN 1:2 SHALL NOT BE REQUIRED TO COMPLY WITH 404.2.5.

404.2.6. DOORS AND GATES IN SERIES. THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48" (1220 MM) MINIMUM PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO THE SPACE.

404.2.7. DOOR AND GATE HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" (865 MM) MINIMUM AND 48" (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES
EXCEPTIONS: 1. EXISTING LOCKS SHALL BE PERMITTED IN ANY LOCATION AT EXISTING GLAZED DOORS WITHOUT STILES, EXISTING OVERHEAD ROLLING DOORS OR GRILLES, AND SIMILAR EXISTING DOORS OR GRILLES THAT ARE DESIGNED WITH LOCKS THAT ARE ACTIVATED ONLY AT THE TOP OR BOTTOM RAIL. **2.** ACCESS GATES IN BARRIER WALLS AND FENCES PROTECTING POOLS, SPAS, AND HOT TUBS SHALL BE PERMITTED TO HAVE OPERABLE PARTS OF THE RELEASE OF LATCH ON SELF-LATCHING DEVICES AT 54" (1370 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND PROVIDED THE SELF-LATCHING DEVICES ARE NOT ALSO SELF LOCKING DEVICES AND OPERATED BY MEANS OF A KEY, ELECTRONIC OPENER, OR INTEGRAL COMBINATION LOCK.
ADVISORY 404.2.7 DOOR AND GATE HARDWARE. DOOR HARDWARE THAT CAN BE OPERATED WITH A CLOSED FIST OR A LOOSE GRIP ACCOMMODATED THE GREATEST RANGE OF USERS. HARDWARE THAT REQUIRES SIMULTANEOUS HAND AND FINGER MOVEMENTS REQUIRE GREATER DEXTERITY AND COORDINATION, AND IS NOT RECOMMENDED.

404.2.8.1. DOOR CLOSERS AND GATE CLOSERS. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.

404.2.9. DOOR AND GATE OPENING FORCE. FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS AND GATES SHALL BE AS FOLLOWS
1. INTERIOR HINGED DOORS 5 POUNDS (22.2 K) MAXIMUM.
2. SLIDING OR FOLDING DOORS: 5 POUNDS (22.2 K) MAXIMUM.
3. EXTERIOR HINGED DOORS SHALL BE DESIGNED SO THAT SUCH DOORS CAN BE PUSHED OR PULLED OPEN WITH A FORCE NOT EXCEEDING 8.5 POUNDS (37.8 K).

405 RAMPS

NOT TO SCALE

NOTES:

405.2. SLOPE. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12. EXCEPTION: IN EXISTING SITES, BUILDINGS, AND FACILITIES, RAMPS SHALL BE PERMITTED TO HAVE RUNNING SLOPES STEEPER THEN 1:12 COMPLYING WITH TABLE 405.2 WHERE SUCH SLOPES ARE NECESSARY DUE TO SPACE LIMITATIONS.
ADVISORY 405.2 SLOPE. TO ACCOMMODATE THE WIDEST RANGE OF USERS, PROVIDE RAMPS WITH THE LEAST POSSIBLE RUNNING SLOPE AND, WHEREVER POSSIBLE, ACCOMPANY RAMPS WITH STAIRS FOR USE BY THOSE INDIVIDUALS FOR WHOM DISTANCE PRESENTS A GREATER BARRIER THAN STEPS, E.G., PEOPLE WITH HEART DISEASE OR LIMITED STAMINA.

405.3. CROSS SLOPE. CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48.
ADVISORY 405.3 CROSS SLOPE. CROSS SLOPE IS THE SLOPE OF THE SURFACE PERPENDICULAR TO THE DIRECTION OF TRAVEL. CROSS SLOPE IS MEASURED THE SAME WAY AS SLOPE IS MEASURED (I.E., THE RISE OVER THE RUN).

405.5 CLEAR WIDTH. THE CLEAR WIDTH OF A RAMP RUN AND, WHERE HANDRAILS ARE PROVIDED, THE CLEAR WIDTH BETWEEN HANDRAILS SHALL BE 36" (915 MM) MINIMUM.
EXCEPTION: WITHIN EMPLOYEE WORK AREAS, THE REQUIRED CLEAR WIDTH OF RAMPS THAT ARE A PART OF COMMON USE CIRCULATION PATHS SHALL BE PERMITTED TO BE DECREASED BY WORK AREA EQUIPMENT PROVIDED THAT THE DECREASE IS ESSENTIAL TO THE FUNCTION OF THE WORK BEING PERFORMED.

405.6. RISE. THE RISE FOR ANY RAMP RUN SHALL BE 30" (760 MM) MAXIMUM.

405.7. LANDINGS. RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN. LANDING SHALL COMPLY WITH 405.7.
ADVISORY 405.7 LANDINGS: RAMPS THAT DO NOT HAVE LEVEL LANDINGS AT CHANGES IN DIRECTION CAN CREATE A COMPOUND SLOPE THAT WILL NOT MEET THE REQUIREMENTS OF THIS CODE. CIRCULAR OR CURVED RAMPS CONTINUALLY CHANGE DIRECTION. CURVILINEAR RAMPS WITH SMALL RADII ALSO CAN CREATE COMPOUND CROSS SLOPES AND CANNOT, BY THEIR NATURE, MEET THE REQUIREMENTS FOR LANDINGS. A LEVEL LANDING IS NEEDED AT THE ACCESSIBLE DOOR TO PERMIT MANEUVERING AND SIMULTANEOUSLY DOOR OPERATION.

405.7.1. SLOPE. LANDINGS SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED.
EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

405.7.2. WIDTH. THE LANDING CLEAR WIDTH SHALL BE ATLEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING.

405.7.3. LENGTH. THE LANDING CLEAR LENGTH SHALL BE 60" (1525 MM) LONG MINIMUM.

405.8 HANDRAILS. RAMP RUNS WITH A RISE GREATER THAN 6" (150 MM) SHALL HAVE HANDRAILS COMPLYING WITH 505.
EXCEPTION: WITHIN EMPLOYEE WORK AREAS, HANDRAILS SHALL NOT BE REQUIRED WHERE RAMPS THAT ARE PART OF COMMON USE CIRCULATION PATHS ARE DESIGNED TO PERMIT THE INSTALLATION OF HANDRAILS COMPLYING WITH 505. RAMPS NOT SUBJECT TO THE EXCEPTION TO 405.5 SHALL BE DESIGNED TO MAINTAIN A 36" (915 MM) MINIMUM CLEAR WIDTH WHEN HANDRAILS ARE INSTALLED.

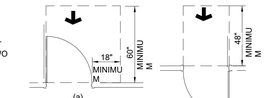


FIG. 404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

FIG. 404.2.4 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS,GATES, AND FOLDING DOORS.

FIG. 404.2.7. DOORS IN SERIES AND GATES IN SERIES

FIG. 405.9.1 EXTENDED FLOOR OR GROUND SURFACE EDGE PROTECTION

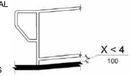


FIG. 405.9.2 CURB OR BARRIER EDGE PROTECTION

405.9 EDGE PROTECTION. EDGE PROTECTION COMPLYING WITH 405.9.1 OR 405.9.2 SHALL BE PROVIDED ON EACH SIDE OF R

602 DRINKING FOUNTAINS

NOT TO SCALE

NOTES:

602.1. GENERAL. DRINKING FOUNTAINS SHALL COMPLY WITH 307 AND 602.

602.2. CLEAR FLOOR SPACE. UNITS SHALL HAVE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR A FORWARD APPROACH AND CENTERED ON THE UNIT. KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED. **EXCEPTION:** A PARALLEL APPROACH COMPLYING WITH 305 SHALL BE PERMITTED AT UNITS FOR CHILDREN'S USE WHERE THE SPOUT IS 30" (760 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND AND IS 3 1/2" (90 MM) MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS.

602.3. OPERABLE PARTS. OPERABLE PARTS SHALL COMPLY WITH 309.

602.4. SPOUT HEIGHT. SPOUT OUTLETS SHALL BE 36" (915 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

602.5 SPOUT LOCATION. THE SPOUT SHALL BE LOCATED 15" (380 MM) MINIMUM FROM THE VERTICAL SUPPORT AND 5" (125 MM) MAXIMUM FROM THE EDGE OF THE UNIT, INCLUDING BUMPERS.

602.6 WATER FLOW. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" (100 MM) HIGH MINIMUM AND SHALL BE LOCATED 5" (125 MM) MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3" (75 MM) OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN THAN 3" (75 MM) AND 5" (125 MM) MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREE MAXIMUM. **ADVISORY 602.6 WATER FLOW.** THE PURPOSE OF REQUIRING THE DRINKING FOUNTAIN SPOUT TO PRODUCE A FLOW OF WATER 4" (100 MM) HIGH MINIMUM IS SO THAT A CUP CAN BE INSERTED UNDER THE FLOW OF WATER TO PROVIDE A DRINK OF WATER FOR AN INDIVIDUAL WHO, BECAUSE OF DISABILITY, WOULD OTHERWISE BE INCAPABLE OF USING THE DRINKING FOUNTAIN.

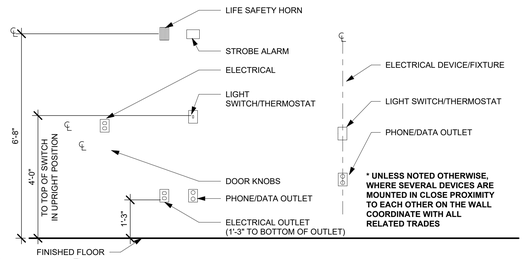
602.7. DRINKING FOUNTAINS FOR STANDING PERSONS. SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS SHALL BE 38" (965 MM) MINIMUM AND 43" (1090 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

603 TOILET AND BATHING ROOMS

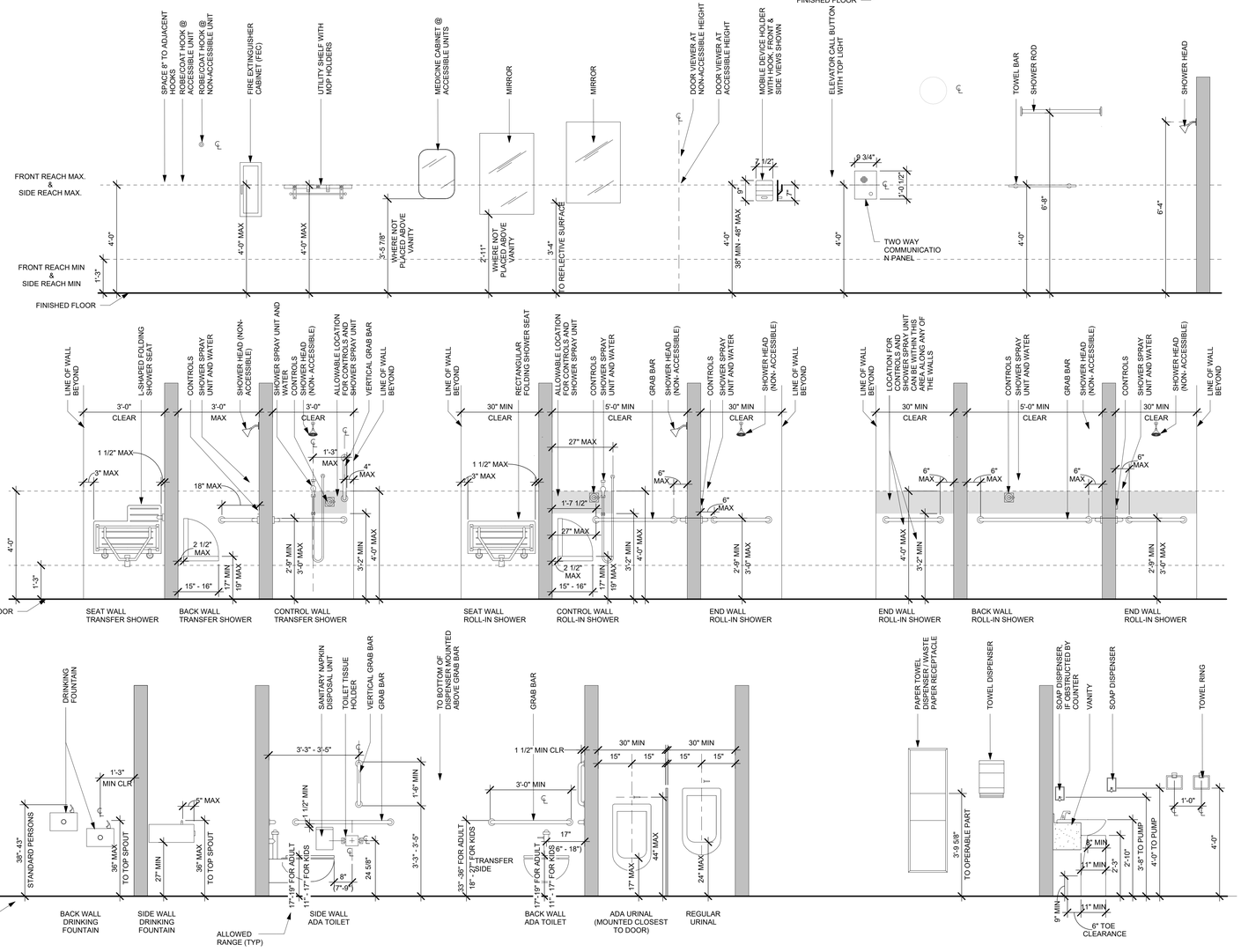
NOT TO SCALE

NOTES:

603.2.3. DOOR SWING. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE. **EXCEPTIONS:1.** DOORS TO A TOILET ROOM OR BATHING ROOM FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL BE PERMITTED TO SWING INTO THE THE CLEAR FLOOR SPACE OR CLEARANCE PROVIDED THE SWING OF THE DOOR CAN BE REVERSED TO COMPLY WITH 603.2.3. **2.** WHERE THE TOILET ROOM OR BATHING ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR SPACE COMPLYING WITH 305.3 IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. **ADVISORY 603.2.3.** DOOR SWING EXCEPTION 1. AT THE TIME THE DOOR IS INSTALLED, AND IF THE DOOR SWING IS REVERSED IN THE FUTURE, THE DOOR MUST MEET ALL THE REQUIREMENTS SPECIFIED IN 404. ADDITIONALLY, THE DOOR SWING CANNOT REDUCE THE REQUIRED WIDTH OF AN ACCESSIBLE ROUTE. ALSO, AVOID VIOLATING OTHER BUILDING OR LIFE SAFETY CODES WHEN THE DOOR SWING IS REVERSED.



NOTES:
1. ALL PLUMBING FIXTURES AS SPECIFIED IN PLUMBING FIXTURE SCHEDULE (PLUMB DWGS) SHALL BE ACCESSIBLE.
2. ADA TOILET RIM HEIGHT SHALL BE 17"-19".
3. PROVIDE SIDE SPLASH WHERE REQUIRED.
4. PROVIDE SOLID, IN WALL BLOCKING FOR HANDRAILS, LIGHT FIXTURES, COUNTERTOPS, MIRRORS, AND SIMILAR ITEMS.
5. SEE FINISH SCHEDULE IN SPECIFICATION FOR FINISHES.
6. PROVIDE SEALANT BETWEEN BACKSPLASH, SIDESPLASH AND WALLS.



STANDARD MOUNTING HEIGHTS

1/2" = 1'-0" A4

608 Shower Compartments

608.1 General. Shower compartments shall comply with 608.

Advisory 608.1 General. Shower stalls that are 60 inches (1525 mm) wide and have no curb may increase the usability of a bathroom because the shower area provides additional maneuvering space.

608.2 Size and Clearances for Shower Compartments. Shower compartments shall have sizes and clearances complying with 608.2.

608.2.1 Transfer Type Shower Compartments. Transfer type shower compartments shall be 36 inches (915 mm) by 36 inches (915 mm) clear inside dimensions measured at the center points of opposing sides and shall have a 36 inch (915 mm) wide minimum entry on the face of the shower compartment. Clearance of 36 inches (915 mm) wide minimum by 48 inches (1220 mm) long minimum measured from the control wall shall be provided.

608.2.2 Standard Roll-In Type Shower Compartments. Standard roll-in type shower compartments shall be 30 inches (760 mm) wide minimum by 60 inches (1525 mm) deep minimum clear inside dimensions measured at center points of opposing sides and shall have a 60 inches (1525 mm) wide minimum entry on the face of the shower compartment.

608.2.2.1 Clearance. A 30 inch (760 mm) wide minimum by 60 inch (1525 mm) long minimum clearance shall be provided adjacent to the open face of the shower compartment.

EXCEPTION: A lavatory complying with 606 shall be permitted on one 30 inch (760 mm) wide minimum side of the clearance provided that it is not on the side of the clearance adjacent to the controls or, where provided, not on the side of the clearance adjacent to the shower seat.

608.2.3 Alternate Roll-In Type Shower Compartments. Alternate roll-in type shower compartments shall be 36 inches (915 mm) wide and 60 inches (1525 mm) deep minimum clear inside dimensions measured at center points of opposing sides. A 36 inch (915 mm) wide minimum entry shall be provided at one end of the long side of the compartment.

608.3 Grab Bars. Grab bars shall comply with 609 and shall be provided in accordance with 608.3. Where multiple grab bars are used, required horizontal grab bars shall be installed at the same height above the finish floor.

EXCEPTIONS:
1. Grab bars shall not be required to be installed in a shower located in a bathing facility for a single occupant accessed only through a private office, and not for common use or public use provided that reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with 608.3.
2. In residential dwelling units, grab bars shall not be required to be installed in showers located in bathing facilities provided that reinforcement has been installed in walls and located so as to permit the installation of grab bars complying with 608.3.

608.3.1 Transfer Type Shower Compartments. In transfer type compartments, grab bars shall be provided across the control wall and back wall to a point 18 inches (455 mm) from the control wall.

608.3.2 Standard Roll-In Type Shower Compartments. Where a seat is provided in standard roll-in type shower compartments, grab bars shall be provided on the back wall and the side wall opposite the seat. Grab bars shall not be provided above the seat. Where a seat is not provided in standard roll-in type shower compartments, grab bars shall be provided on three walls. Grab bars shall be installed 6 inches (150 mm) maximum from adjacent walls.

608.3.3 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower compartments, grab bars shall be provided on the back wall and the side wall farthest from the compartment entry. Grab bars shall not be provided above the seat. Grab bars shall be installed 6 inches (150 mm) maximum from adjacent walls.

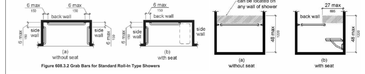
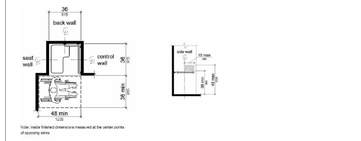


Figure 608.3.2 Grab Bars for Standard Roll-In Type Showers



Note: Inside finished dimensions measured at the center points of opposing sides.

608.4 Seats. A folding or non-folding seat shall be provided in transfer type shower compartments. A folding seat shall be provided in roll-in type showers required in transient lodging guest rooms with mobility features complying with 806.2. Seats shall comply with 610.

EXCEPTION: In residential dwelling units, seats shall not be required in transfer type shower compartments provided that reinforcement has been installed in walls so as to permit the installation of seats complying with 608.4.

608.5 Controls. Controls, faucets, and shower spray units shall comply with 309.4.

608.5.1 Transfer Type Shower Compartments. In transfer type shower compartments, the controls, faucets, and shower spray unit shall be installed on the side wall opposite the seat 38 inches (965 mm) minimum and 48 inches (1220 mm) maximum above the shower floor and shall be located on the control wall 15 inches (380 mm) maximum from the centerline of the seat toward the shower opening.

608.5.2 Standard Roll-In Type Shower Compartments. In standard roll-in type shower compartments, the controls, faucets, and shower spray unit shall be located above the grab bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be installed on the back wall adjacent to the seat wall and shall be located 27 inches (685 mm) maximum from the seat wall.

Advisory 608.5.2 Standard Roll-In Type Shower Compartments. In standard roll-in type showers without seats, the shower head and operable parts can be located on any of the three walls of the shower without adversely affecting accessibility.

608.5.3 Alternate Roll-In Type Shower Compartments. In alternate roll-in type shower compartments, the controls, faucets, and shower spray unit shall be located above the grab bar, but no higher than 48 inches (1220 mm) above the shower floor. Where a seat is provided, the controls, faucets, and shower spray unit shall be located on the side wall adjacent to the seat 27 inches (685 mm) maximum from the side wall behind the seat or shall be located on the back wall opposite the seat 15 inches (380 mm) maximum, left or right, of the centerline of the seat. Where a seat is not provided, the controls, faucets, and shower spray unit shall be installed on the side wall farthest from the compartment entry.

608.6 Shower Spray Unit and Water. A shower spray unit with a hose 59 inches (1500 mm) long minimum that can be used both as a fixed-position shower head and as a hand-held shower shall be provided. The shower spray unit shall have an on/off control with a non-positive shut-off. If an adjustable-height shower head on a vertical bar is used, the bar shall be installed so as not to obstruct the use of grab bars. Shower spray units shall deliver water that is 120°F (49°C) maximum.

EXCEPTION: A fixed shower head located at 48 inches (1220 mm) maximum above the shower finish floor shall be permitted instead of a hand-held spray unit in facilities that are not medical care facilities, long-term care facilities, transient lodging guest rooms, or residential dwelling units.

Advisory 608.6 Shower Spray Unit and Water. Ensure that hand-held shower spray units are capable of delivering water pressure substantially equivalent to fixed shower heads.

608.7 Thresholds. Thresholds in roll-in type shower compartments shall be 1/2 inch (13 mm) high maximum in accordance with 303. In transfer type shower compartments, thresholds 1/2 inch (13 mm) high maximum shall be beveled, rounded, or vertical.

EXCEPTION: A threshold 2 inches (51 mm) high maximum shall be permitted in transfer type shower compartments in existing facilities where provision of a 1/2 inch (13 mm) high threshold would disturb the structural reinforcement of the floor slab.

608.8 Shower Enclosures. Enclosures for shower compartments shall not obstruct controls, faucets, and shower spray units or obstruct transfer from wheelchairs onto shower seats.

610 Seats

610.1 General. Seats in bathtubs and shower compartments shall comply with 610.

610.2 Bathtub Seats. The top of bathtub seats shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. The depth of a removable in-tub seat shall be 15 inches (380 mm) minimum and 16 inches (405 mm) maximum. The seat shall be capable of secure placement. Permanent seats at the head end of the bathtub shall be 15 inches (380 mm) deep minimum and shall extend from the back wall to or beyond the outer edge of the bathtub.

610.3 Shower Compartment Seats. Where a seat is provided in a standard roll-in shower compartment, it shall be a folding type, shall be installed on the side wall adjacent to the controls, and shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. Where a seat is provided in an alternate roll-in type shower compartment, it shall be a folding type, shall be installed on the front wall opposite the back wall, and shall extend from the adjacent side wall to a point within 3 inches (75 mm) of the compartment entry. In transfer-type showers, the seat shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. The top of the seat shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. Seats shall comply with 610.3.1 or 610.3.2.

610.3.1 Rectangular Seats. The rear edge of a rectangular seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The side edge of the seat shall be 1 1/2 inches (38 mm) maximum from the adjacent wall.

610.3.2 L-Shaped Seats. The rear edge of an L-shaped seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The rear edge of the "L" portion of the seat shall be 1 1/2 inches (38 mm) maximum from the wall and the front edge shall be 14 inches (355 mm) minimum and 15 inches (380 mm) maximum from the wall. The end of the "L" shall be 22 inches (560 mm) minimum and 23 inches maximum (585 mm) from the main seat wall.

610.4 Structural Strength. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 K) is applied at any point on the seat, fastener, mounting device, or supporting structure.

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REGISTERED ARCHITECT ARMAAD SAMUEL QUADRI 023313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME: STANDARD MOUNTING HEIGHTS
SHEET NUMBER: G-052

PROGRESS SET - FOR REVIEW ONLY

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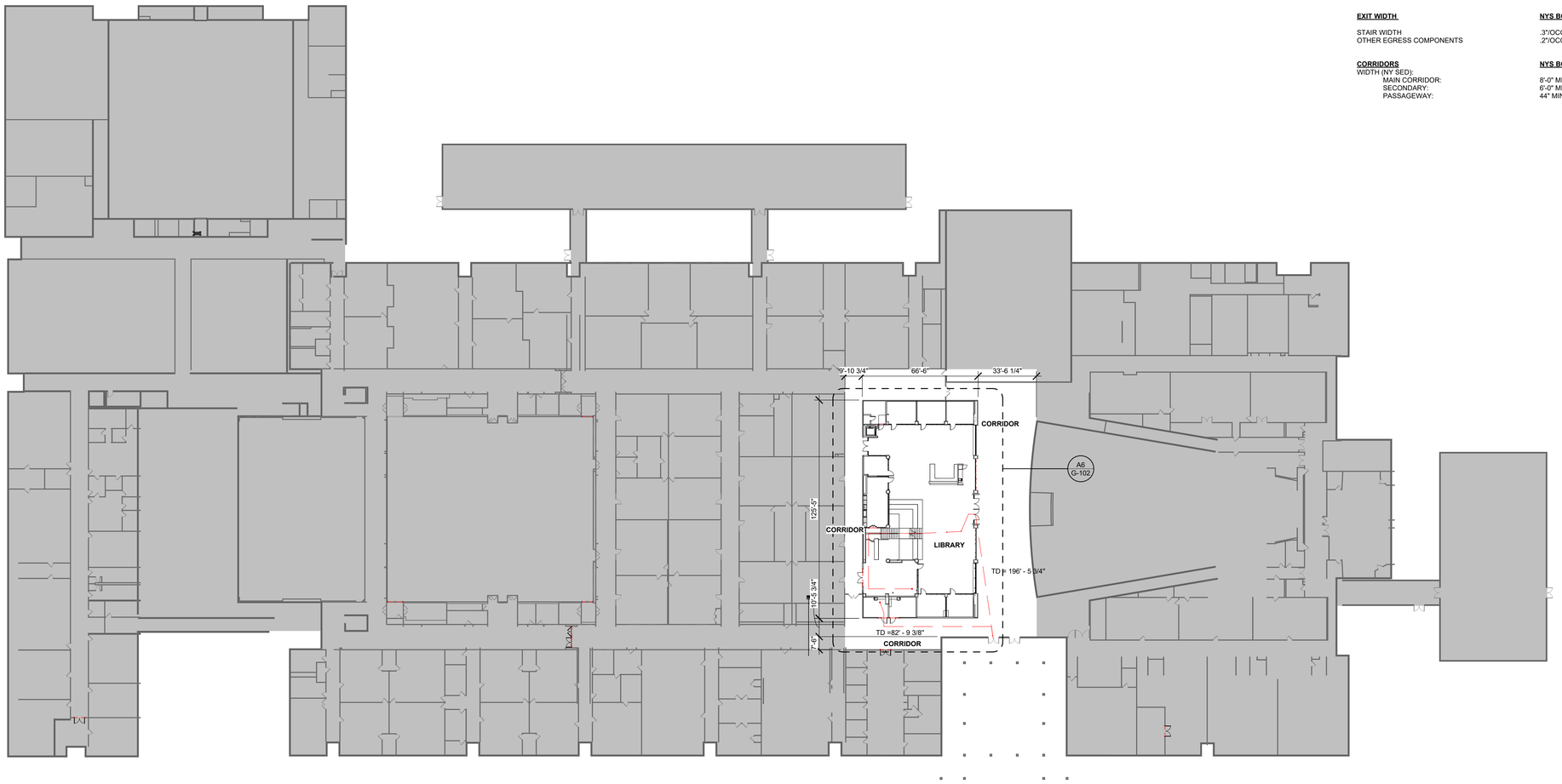

OVERALL LIFE SAFETY PLAN (A3)
1" = 30'-0"

LIFE SAFETY LEGEND

- SMOKE ZONE PARTITION
- SMOKE RATED SOFFIT
- 1 HR RATED WALL
- 2 HR RATED WALL
- TRAVEL PATH
- AREA OF REFUGE
- TD-XX'-X" — TRAVEL DISTANCE
- RW — RESCUE WINDOW
- FEC — FIRE EXTINGUISHER CABINET
- NOT IN CONTRACT
- EE — PROPOSED EMERGENCY EXIT ONLY
- D.F. — DRINKING FOUNTAIN
- EXIT SIGN (CEILING-MOUNTED, WALL-MOUNTED)
- WHEELCHAIR ACCESSIBLE
- X- OCCUPANCY LOAD PER EXIT
  Y- OCCUPANCY LOAD MAX PER DOOR
  W- CLEAR WIDTH AT OPENINGS
  Z- EGRESSES FACTOR

GENERAL NOTES:

1. REFER TO CODE ANALYSIS FOR ADDITIONAL INFORMATION.
2. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR SYMBOL LEGENDS AND ADDITIONAL INFORMATION.

SED MANUAL OF PLANNING STANDARDS

150' TO EXTERIOR DOOR FROM CORRIDOR (GROUND FLOOR)
120' TO STAIR ENCLOSURE FROM CORRIDOR (OTHER THAN GROUND FLOOR)
50' TO EXIT FROM ALL ROOMS 1500 SF& UNDER
75' TO SEPARATE SMOKE ZONE IN OPEN PLANNED AREAS
NO DEAD-END CORRIDORS (<1.5 X WIDTH, MAX 20')

OCCUPANCY LOADS	**NYS BC TABLE 1004.5**
CLASSROOMS	20 NET SF/PERSON
SHOPS & OTHER VOCATIONAL ROOMS	50 NET SF/PERSON
OFFICE AREAS	100 GROSS SF/PERSON
KITCHEN AREAS	200 GROSS SF/PERSON
STORAGE/MECHANICAL	300 GROSS SF/PERSON
LIBRARY - READING AREA	50 NET SF/GROSS
LIBRARY - STACK	100 GROSS SF/PERSON
CONFERENCE ROOMS	15 NET SF/PERSON

EXIT WIDTH	**NYS BC SECTION 1005.1**
STAIR WIDTH	.3"/OCCUPANT NON SPRINKLERED
OTHER EGRESS COMPONENTS	.2"/OCCUPANT NON SPRINKLERED

CORRIDORS	**NYS BC TABLE 1020.1**
WIDTH (NY SED):	
MAIN CORRIDOR:	8'-0" MIN. (CLEAR)
SECONDARY:	6'-0" MIN. (CLEAR)
PASSAGEWAY:	44" MIN.

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REGISTERED ARCHITECT
ARMAND SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date
1	SED ADDENDUM #2	11/12/2025

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME: OVERALL LIFE SAFETY PLAN
SHEET NUMBER: G-101

BID SET CONSTRUCTION SET

DRAWN BY: Author
CHECKED BY: Checker
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GENERAL NOTE: SCHEDULE DOES NOT CALCULATE BLEACHER SEATING OCC COUNT, ADD BLEACHER OCC TO GRAND TOTAL TO ACHIEVE YOUR MAXIMUM OCCUPANCY.

OCCUPANCY CALCULATION

Number	Name	Area	Function of Space	IBC-Key-Occupancy	Occupant Load Factor	OCC
Level 1						
123	LIBRARY	3,144 SF	LIBRARY – READING ROOMS	A-3	50 NET	63
123A	MEETING	203 SF	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS)	A-3	15 NET	14
123B	MEETING	214 SF	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS)	A-3	15 NET	15
123C	MEETING	219 SF	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS)	A-3	15 NET	15
123D	MEETING	201 SF	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS)	A-3	15 NET	14
123E	MEETING	215 SF	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS)	A-3	15 NET	15
123F	MEETING ROOM	767 SF	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS)	E	15 NET	52
124	STORAGE	142 SF	MERCANTILE - STORAGE, STOCK, SHIPPING AREAS	S-1	300 GROSS	1
125A	MEETING	150 SF	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS)	A-3	15 NET	10
125B	OFFICE/BREAK	376 SF	BUSINESS AREAS	B	100 GROSS	4
126A	OFFICE 1	161 SF	BUSINESS AREAS	B	100 GROSS	2
126B	OFFICE 2	181 SF	BUSINESS AREAS	B	100 GROSS	2
S-1	STACK AREA	118 SF	LIBRARY - STACK AREA	A-3	100 GROSS	2
S-2	STACK AREA	137 SF	LIBRARY - STACK AREA	A-3	100 GROSS	2
S-3	STACK AREA	118 SF	LIBRARY - STACK AREA	A-3	100 GROSS	2
S-4	STACK AREA	118 SF	LIBRARY - STACK AREA	A-3	100 GROSS	2
S-5	STACK AREA	118 SF	LIBRARY - STACK AREA	A-3	100 GROSS	2
S-6	STACK AREA	137 SF	LIBRARY - STACK AREA	A-3	100 GROSS	2
		6,718 SF				219
Level 2						
127A	COMPUTER LAB	670 SF	EDUCATIONAL - SHOPS AND OTHER VOCATIONAL ROOM AREAS	E	50 NET	14
127B	STACK AREA	566 SF	LIBRARY - STACK AREA	A-3	100 GROSS	6
D-1	DESK AREA	103 SF	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS)	A-3	15 NET	7
		1,340 SF				27
Grand total		8,058 SF				246

LIFE SAFETY LEGEND

- SMOKE ZONE PARTITION
- SMOKE RATED SOFFIT
- 1 HR RATED WALL
- 2 HR RATED WALL
- TRAVEL PATH
- AREA OF REFUGE
- TD-XX'-X" — TRAVEL DISTANCE
- RW — RESCUE WINDOW
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- NOT IN CONTRACT
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GENERAL NOTES:

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2. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR SYMBOL LEGENDS AND ADDITIONAL INFORMATION.

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120' TO STAIR ENCLOSURE FROM CORRIDOR (OTHER THAN GROUND FLOOR)
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NO DEAD-END CORRIDORS (<1.5 X WIDTH, MAX 20')

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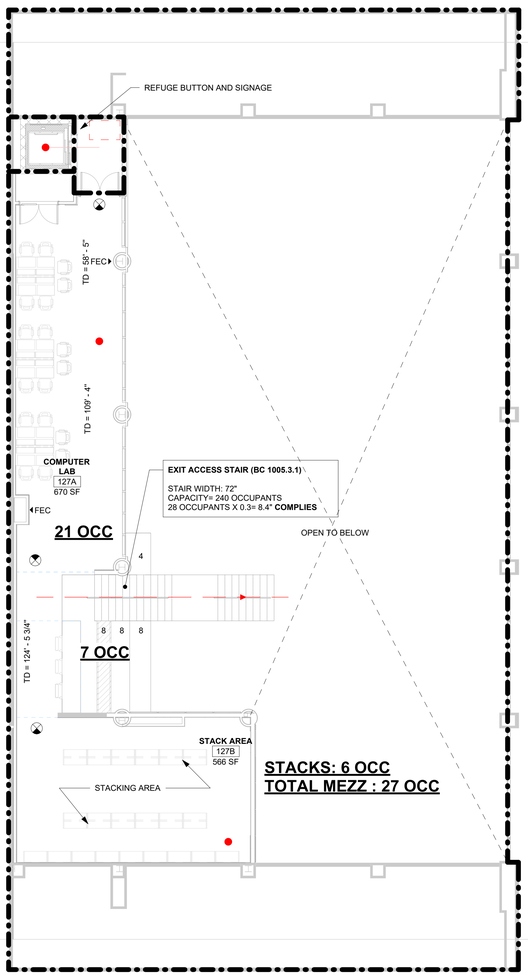
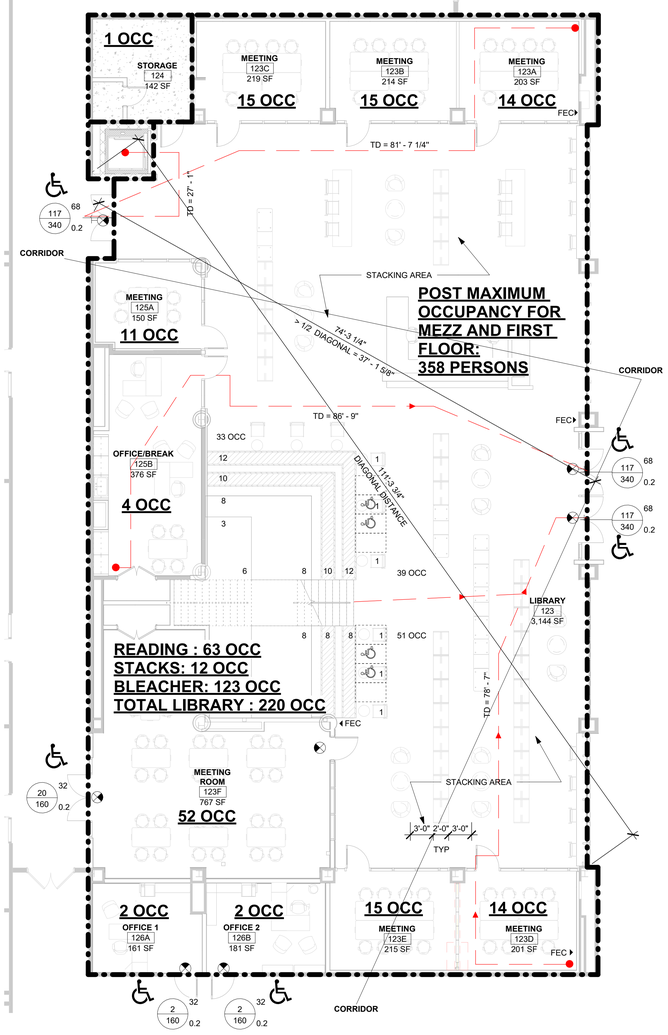


LIBRARY PLAN - MEZZANINE A13
1/8" = 1'-0"



LIBRARY PLAN - LEVEL 1 A6
1/8" = 1'-0"

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REGISTERED ARCHITECT ARMAND SAMUEL QUIRION 032313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date
1	SED ADDENDUM #2	11/12/2025

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME: ENLARGED LIFE SAFETY PLAN
SHEET NUMBER: G-102

PROGRESS SET - FOR REVIEW ONLY

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DESIGN DATA:

STRUCTURAL DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:
A) 2020 NEW YORK STATE BUILDING CODE.
B) ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
C) AISC, MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, 14TH ED.

1. DEAD LOADS
   SELF WEIGHT +
   ROOF: 10 PSF
   CEILING: 10 PSF
   FLOOR: 15 PSF

2. LIVE LOADS
   FLOOR - 100 PSF

3. WIND LOADS
   BASIC WIND SPEED: 115 MPH (3-second gust)
   RISK CATEGORY: III
   EXPOSURE CATEGORY: B

4. SNOW LOADS
   GROUND SNOW LOAD: 30 PSF
   DESIGN FLAT ROOF SNOW LOAD: 30 PSF

5. SEISMIC
   RISK CATEGORY: III
   SITE CLASS: D
   Sds: 0.264g
   Sd1: 0.093g
   SEISMIC DESIGN CATEGORY: B

GENERAL INFORMATION:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

"LOADS" INDICATED ON THIS DRAWING ARE THOSE FOR THE DESIGN OF THE BUILDING SUPERSTRUCTURE

1. ALL DETAILS MARKED "TYPICAL" IN THE SET OF STRUCTURAL DRAWINGS SHALL BE APPLIED THROUGHOUT THE PROJECT AS REQUIRED TO SATISFY THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL COORDINATE REQUIREMENTS FOR QUANTITY AND LOCATION WHERE THE "TYPICAL" DETAILS APPLY.

2. FAILURE ON THE PART OF THE CONTRACTOR TO REVIEW THE DRAWINGS OF OTHER DISCIPLINES (i.e. ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC.) TOGETHER WITH THE FULL EXTENT OF THE PROJECT SPECIFICATIONS DOES NOT RELIEVE THEM OF THE RESPONSIBILITY TO FURNISH AND INSTALL ITEMS THAT ARE PART OF THEIR WORK AS INDICATED BY THE DRAWINGS AND SPECIFICATIONS OF OTHER TRADES. ALL STRUCTURAL TRADE CONTRACTORS AND SUB-CONTRACTORS ARE PROHIBITED FROM EXCLUDING STRUCTURAL WORK FROM THEIR CONTRACT NOT SHOWN IN THE STRUCTURAL DRAWINGS.

3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO ORDERING AND PRE-FABRICATED ITEMS, INCLUDED BY NOT LIMITED TO; TRUSSES, SIPS, PLANK AND STEEL.

4. DRAWINGS MAY NOT BE SCALED. USE NOTES AND DIMENSIONS SPECIFIED ON DRAWINGS AND CONFIRM THESE DIMENSIONS WITHIN FIELD MEASUREMENTS DURING CONSTRUCTION.

5. DISCREPANCIES, OMISSIONS OR UNFORESEEN PROBLEMS DISCOVERED AT SITE SHALL BE REPORTED TO THE ENGINEER FOR IMMEDIATE CONSULTATION AND AMENDMENT.

6. TEMPORARY SHORING AND SHORING OF EXCAVATION IS BY OTHERS. THESE DRAWINGS SHOW FINAL CONDITIONS ONLY.

7. COORDINATE ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION AND CONSTRUCTION. CONTACT ENGINEER WITH ANY DISCREPANCIES PRIOR TO ANY FABRICATION OR INSTALLATION. CLAPPER STRUCTURAL CANNOT BE HELD LIABLE OF ANY DIMENSIONAL DISCREPANCIES AFTER FABRICATION OR INSTALLATION HAS OCCURRED.

COLD FORMED STEEL GENERAL NOTES

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

1. ALL COLD FORMED STEEL FRAMING MEMBERS, THEIR DESIGN, FABRICATION, AND ERECTION SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" OF THE A.I.S.I. (2001 ED., INCLUDING 2004 SUPPLEMENT)
2. ALL FRAMING MEMBERS SHALL BE FORMED FROM STEEL CONFORMING TO ASTM A446 WITH A MINIMUM YIELD STRENGTH AS FOLLOWS:
   - 12, 14, & 16 GAUGE MEMBERS: Fy = 50 KSI (GRADE D)
   - 18 & 20 GAUGE MEMBERS: Fy = 33 KSI (GRADE A)
3. ALL FRAMING MEMBERS SHALL BE GALVANIZED WITH A G-60 COATING MEETING THE REQUIREMENTS OF ASTM A525.
4. MEMBERS SHALL BE THE MANUFACTURERS STANDARD "C" SHAPED STUDS/JOISTS, HAVE A FLANGE LIP RETURN OF 1/2" AND SATISFY THE MINIMUM PROPERTIES AS PER "MARINO/ WARE", OR APPROVED EQUAL PER MINIMUM REQUIREMENTS AND NOTES ON THIS SHEET.
5. THE GAUGE OF ALL TRACKS SHALL BE NO LIGHTER THAN THE FRAMING THAT IS BEING CONNECTED. UNLESS OTHERWISE INDICATED, CONNECT TRACKS TO CONCRETE WITH 0.205" DIA. POWER DRIVEN FASTENERS (WITH 1.25" EMBEDMENT) AT 16" ON CENTER.
6. ALL WELDING SHALL BE IN CONFORMANCE WITH AMERICAN WELDING SOCIETY SPECIFICATION D1.3. ALL WELDS SHALL BE TOUCHED UP WITH ZINC RICH PAINT.

CAST-IN-PLACE CONCRETE GENERAL NOTES:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

1. CONCRETE WORK SHALL CONFORM WITH THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE ACI 318 (LATEST EDITION).
2. UNLESS OTHERWISE INDICATED ON DRAWINGS, CAST-IN-PLACE CONCRETE SHALL DEVELOP A STRENGTH OF 3,500 PSI (FOOTINGS, FOUNDATION WALLS AND RETAINING WALLS); 3,500 PSI (SLAB ON GRADE) AT 28 DAYS.
3. TEMPERATURE REINFORCING SHALL BE SUFFICIENTLY EMBEDDED TO DEVELOP FULL STRENGTH IN CONCRETE WALLS AND SLABS.
4. PROVIDE ADEQUATE TIES FOR REINFORCEMENT IN SLABS, BEAMS, PIERS AND WALLS. REINFORCEMENT TO BE HELD AT CORRECT DISTANCE FROM FORMS AND EARTH BY STEEL CHAIRS OR TIES.
5. FOLLOW C.R.S.I. RULES FOR PLACING OF REINFORCING STEEL AND ACCESSORIES.
6. THIS CONTRACTOR SHALL COOPERATE WITH OTHER TRADES AND WHERE REQUIRED INSTALL ALL BUILT-IN WORK, SLEEVES, INSERTS, ETC., AS REQUIRED FOR A COMPLETE JOB.
7. STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTHS IN ONE OPERATION. CONSTRUCTION JOINTS SUCH AS A DAY'S POUR JOINTS SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SPAN, MAIN REINFORCING TO RUN THROUGH THE JOINT, KEY AND ROUGHEN JOINTS TO EXPOSE AGGREGATE FOR CHEMICAL BOND.
8. NO HORIZONTAL JOINTS SHALL BE PLACED IN WALLS EXCEPT AS SHOWN ON THE DRAWINGS, WITHOUT THE APPROVAL OF THE ENGINEER.
9. STRUCTURAL SLABS ON GRADE SHALL BE OF A THICKNESS AND REINFORCED AS INDICATED ON DRAWINGS.
10. SLABS-ON-GRADE SHALL HAVE THICKENINGS, DEPRESSIONS, OPENINGS, ETC., AS REQUIRED OR AS SHOWN HEREIN OR ON ARCHITECTURAL DRAWINGS.
11. PROVIDE 100% CONTINUITY OVER SUPPORTS FOR CONTINUOUS SLABS AND BEAMS.
12. TOP ELEVATION OF SLABS SHALL VARY ACCORDING TO FINISH FLOOR MATERIAL. SEE ARCHITECTURAL DRAWINGS.
13. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS IN, FLOORS AND WALLS NOT SHOWN ON STRUCTURAL DRAWINGS.
15. MAXIMUM STEP OF FOOTINGS SHALL BE ONE VERTICALLY TO TWO HORIZONTALLY WHERE ELEVATIONS CHANGE.
16. CONCRETE SHALL CONSIST OF THE FOLLOWING:
   - READY MIX CONCRETE (ASTM C94)
   - MAX WATER TO CEMENT RATIO = 0.50
   - MAX AGGREGATE CONTENT SIZE OF 3/4 INCH (ASTM C33)
   - MAX SLUMP OF 5" + OR - AN INCH (ASTM C143)
   - PORTLAND CEMENT: ASTM-C 150, TYPE 1
   - CLEAN POTABLE DRINKING WATER
   - AIR CONTENT TO BE 6% +/- 1.5% (INTERIOR SLABS TO HAVE 0% AIR)
17. REINFORCING STEEL SHALL CONSIST OF THE FOLLOWING:
   - REINFORCING BARS: ASTM -A 615 GRADE 60 KSI
   - WELDED WIRE FABRIC: ASTM-A 185
18. PROVIDE CONTINUOUS REINFORCING WHEREVER POSSIBLE, PLACE ONLY AS SHOWN OR APPROVED, STAGGER SPLICES WHERE POSSIBLE.
19. ALL REINFORCING STEEL AND EMBEDMENT TO BE HELD SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO ALLOW WALKING ON REINFORCEMENT.
20. DETAIL ACCORDING TO ACI STANDARD 315, MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES.
21. CONCRETE MEMBERS SHALL NOT BE LOADED UNTIL SATISFACTORY CONCRETE STRENGTH HAS BEEN OBTAINED.
22. NO ADMIXTURES MAY BE USED UNLESS PRIOR APPROVAL BY THE OWNER/ENGINEER.
23. COLD WEATHER REQUIREMENT SHALL BE USED DURING FREEZING OR NEAR FREEZING WEATHER - ACI 306.1-90. COLD WEATHER IS DEFINED AS 3 DAYS WITH AVG. TEMP. BELOW 40F.
24. DURING HOT WEATHER CONCRETE SHALL BE PLACED AND CURED IN ACCORDANCE WITH ACI 305.

FOUNDATION GENERAL NOTES:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

1. STRUCTURAL FILL TO BE PLACED IN 12" LAYERS WHERE HEAVY VIBRATORY COMPACTION EQUIPMENT IS USED AND 6" LIFTS WHERE HAND OPERATED EQUIPMENT IS REQUIRED. EACH LIFT SHALL BE COMPACTED TO 95% MODIFIED DRY DENSITY THROUGH THE MODIFIED PROCTOR COMPACTION TEST, ASTM D-1557.

2. ALL CONTROLLED FILL MATERIAL SHALL BE A SELECT GRANULAR MATERIAL FREE FROM ALL ORGANICS OR OTHERWISE DELETERIOUS MATERIAL WITH NOT MORE THAN 20% BY WEIGHT PASSING A NO. 200 SIEVE (CLASSIFIED AS SC, SM, SP OR BETTER IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM) AND WITH A PLASTICITY INDEX NOT EXCEEDING 6%.

3. FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY SOILS ENGINEER PRIOR TO CONCRETE PLACEMENT. SOFTENED OR OTHERWISE UNSUITABLE BEARING MATERIALS SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL OR WITH LEAN CONCRETE (2,000 PSI).

4. LOOSENED BEARING SOILS SHALL BE RECOMPACTED WITH A SMALL VIBRATORY PLATE COMPACTOR PRIOR TO PLACEMENT OF REINFORCING BARS.

5. PROVIDE CRUSHED STONE BENEATH ALL FOOTINGS. EXCEPTION: NOT REQUIRED IN SANDY OR GRAVELY SOILS THAT ARE WELL DRAINED.

6. PROVIDE 4"Ø PERFORATED DRAIN TO STORM DRAINAGE SYSTEM OR TO DAYLIGHT. WRAP GRAVEL IN FILTER FABRIC.

7. ALL EXCAVATIONS TO BE DEWATERED PRIOR TO CONCRETE PLACEMENT. IF SOILS HAVE BEEN SATURATED FROM STORM WATER, CONTACT ENGINEER FOR INSPECTION PRIOR TO PLACEMENT. IF SOILS ARE CLAY OR SILTY AND HAVE BEEN SATURATED, 6" OF CRUSHED STONE WILL NEED TO BE PLACED IN EXCAVATION WITH FILTER FABRIC PRIOR TO PLACING CONCRETE.

STRUCTURAL STEEL GENERAL NOTES

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

1. STRUCTURAL STEEL SHALL CONFORM TO THE A.I.S.C. STEEL CONSTRUCTION MANUAL 14TH EDITION.
2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS.

MEMBER	A.S.T.M.	MIN. STRENGTH
ROLLED SHAPES	A992	50 KSI
SQUARE OR RECTANGULAR HSS	A500	46 KSI
PLATES, CHANNELS, & ANGLES	A36	36 KSI
CONNECTION BOLTS	A325	92 KSI
ANCHOR BOLTS	F1554	---
THREADED BOLTS	A36	36 KSI
NON-SHRINK GROUT	C1107	8,000 PSI

3. WELDING SHALL BE IN ACCORDANCE WITH A.W.S. D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER A.I.S.C. REQUIREMENTS. FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 K.S.I.
4. MOMENT CONNECTIONS DENOTED THUS (►) ON PLAN. SEE TYPICAL DETAILS.
5. HOLES IN STEEL BEAMS SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.
6. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETE CONDITION, AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, FRAMING, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

MASONRY NOTES

1. ALL MASONRY WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530/ASCE 5/TMS 402) - LATEST EDITION.
2. ALL HOLLOW LOAD BEARING CONCRETE MASONRY UNITS (CMU) SHALL BE IN ACCORDANCE WITH ASTM-C90, GRADE N, TYPE I, NORMAL WEIGHT, WITH A NET AREA MINIMUM COMPRESSIVE STRENGTH OF 1,900 PSI (AVERAGE OF THREE UNITS) AND 1,700 PSI (INDIVIDUAL UNIT).
3. ALL SOLID LOAD BEARING CMU SHALL BE IN ACCORDANCE WITH ASTMC-145, GRADE N, TYPE I, NORMAL WEIGHT, WITH A GROSS AREA MINIMUM COMPRESSIVE STRENGTH OF 1,800 PSI (AVERAGE OF THREE UNITS).
4. ALL MORTAR SHALL BE IN ACCORDANCE WITH ASTM-C270 TYPE "S", OR OTHERWISE NOTES, PROPORTION SPECIFICATION.
5. GROUT SHALL BE IN ACCORDANCE WITH ASTM-C476 FINE OR COARSE, AS NOTED.
6. NO ADMIXTURES SHALL BE ADDED TO GROUT OR MORTAR WITHOUT PRIOR PERMISSION FOR THE ENGINEER / ARCHITECT. CALCIUM CHLORIDE IS STRICTLY PROHIBITED.
7. HORIZONTAL WIRE REINFORCING SHALL BE TRUSS DESIGN DUR-O-WAL OR EQUAL, AND IN ACCORDANCE WITH GAGE AND SIZE SPECIFIED ON DRAWINGS.
8. REINFORCING BAR (RE-BAR) SHALL BE IN ACCORDANCE WITH ASTM-A615, GRADE 60, WITH MINIMUM YIELD STRENGTH OF 60 K.S.I.
9. ALL MORTAR JOINTS SHALL BE CONCAVE FOR EXPOSED SURFACES, UNLESS OTHERWISE NOTED.
10. ALL LOAD BEARING WALLS SHALL HAVE FULL BEDDING MORTAR UNLESS OTHERWISE NOTED.
11. MORTAR SHALL NOT BE USED IN PLACE OF GROUT WITHOUT PRIOR PERMISSION BY THE ENGINEER.
12. ALL BLOCKS SHALL BE PLACED IN RUNNING BOND PATTERN UNLESS OTHERWISE SPECIFIED.
13. GROUT SHALL BE PLACED WITH A MAXIMUM POUR HEIGHT OF 8'-0" IF LOOKOUTS ARE PRESENT OR A MAXIMUM OF 5'-0" WITHOUT LOOKOUTS.

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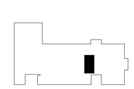

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No.	Description	Date

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STRUCTURAL NOTES

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S-001

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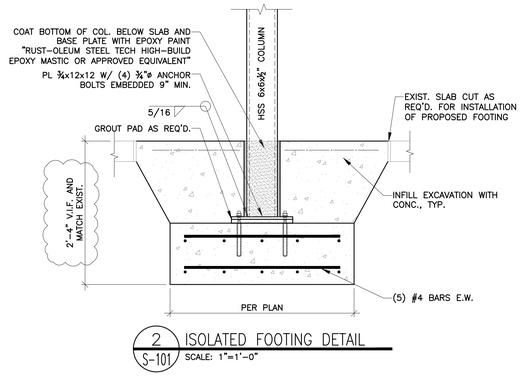

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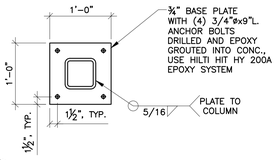

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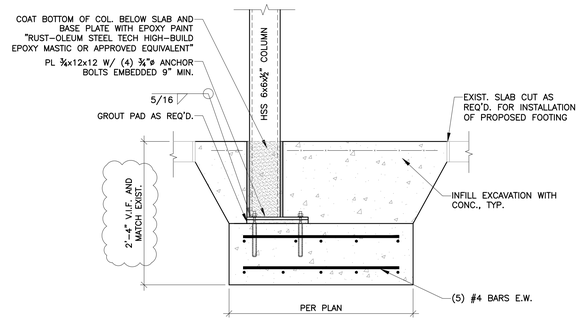

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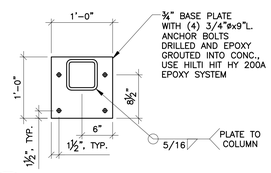

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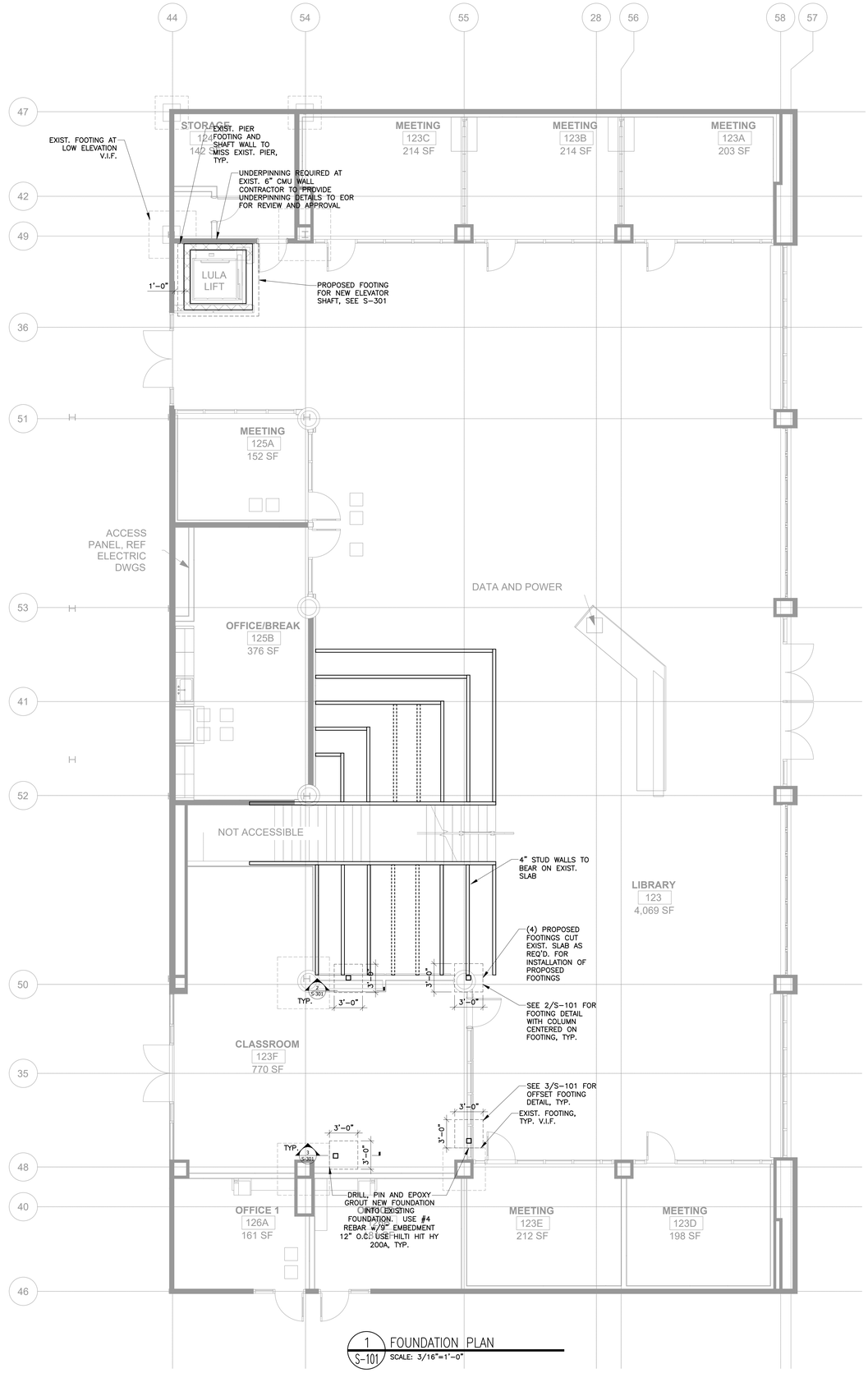

1 S-101 FOUNDATION PLAN
SCALE: 3/16"=1'-0"

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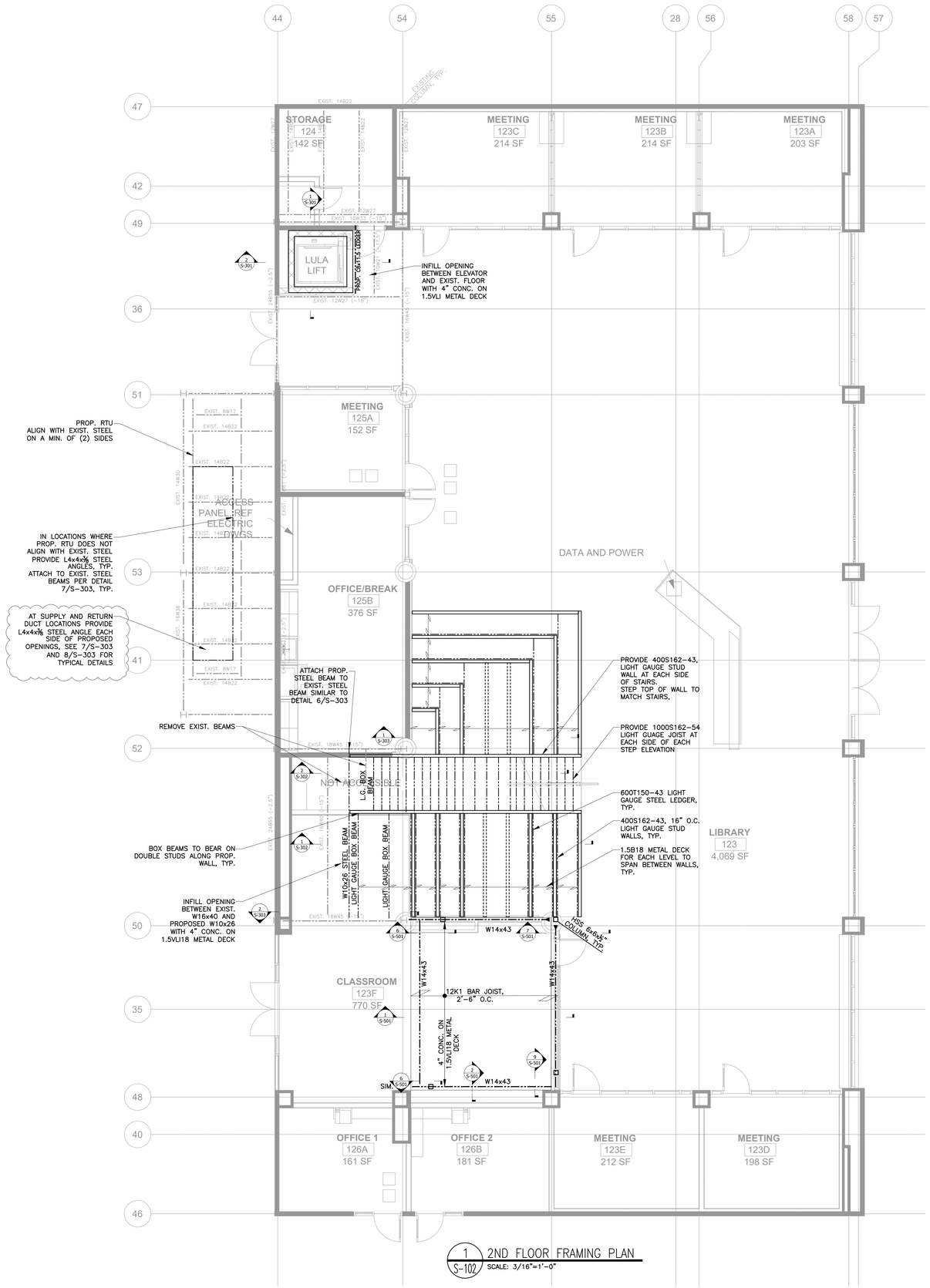

1 2ND FLOOR FRAMING PLAN
S-102 SCALE: 3/16"=1'-0"

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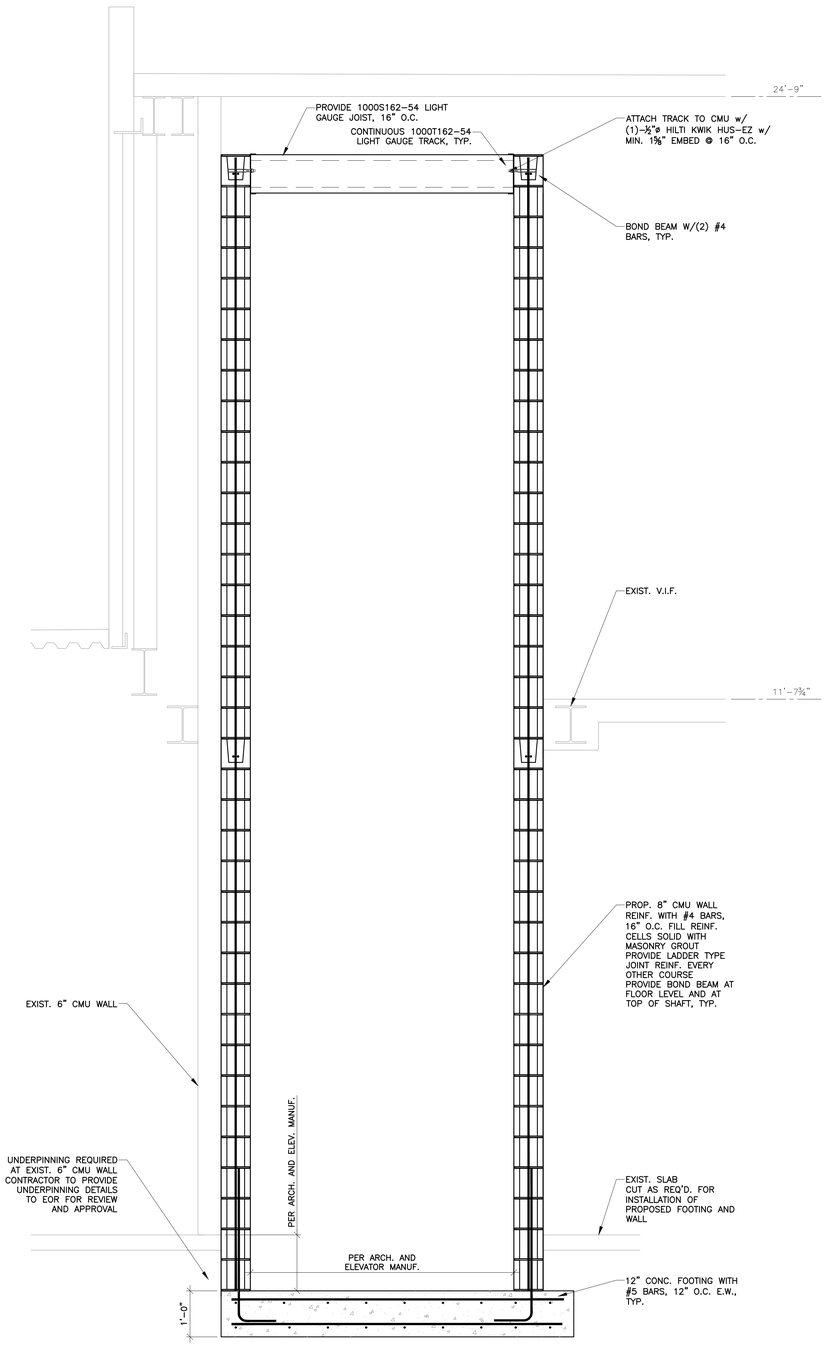
2ND FLOOR FRAMING PLAN

SHEET NUMBER:
S-102



1 S-301 SECTION THRU ELEVATOR
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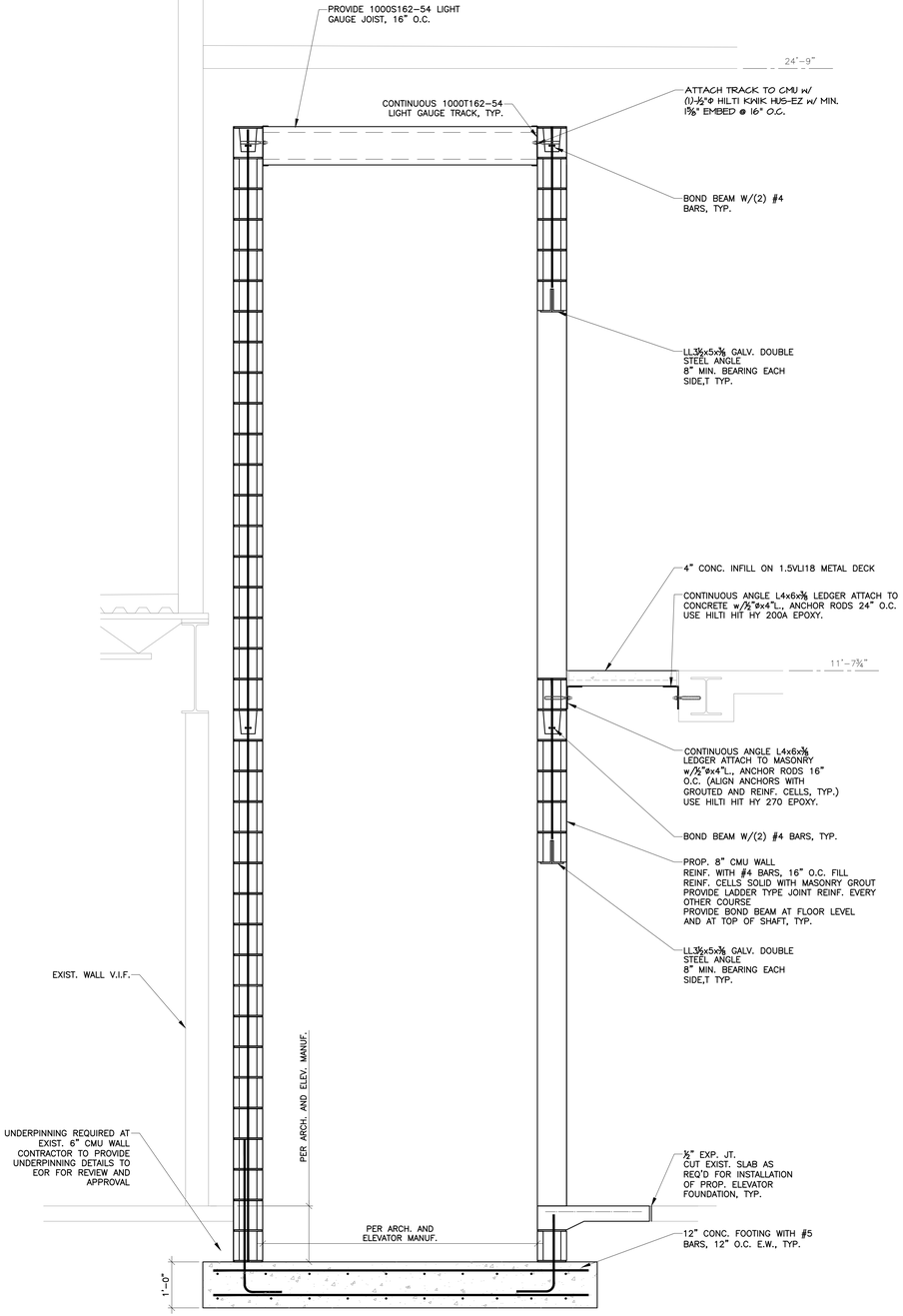

2 S-301 SECTION THRU ELEVATOR
SCALE: 3/4"=1'-0"

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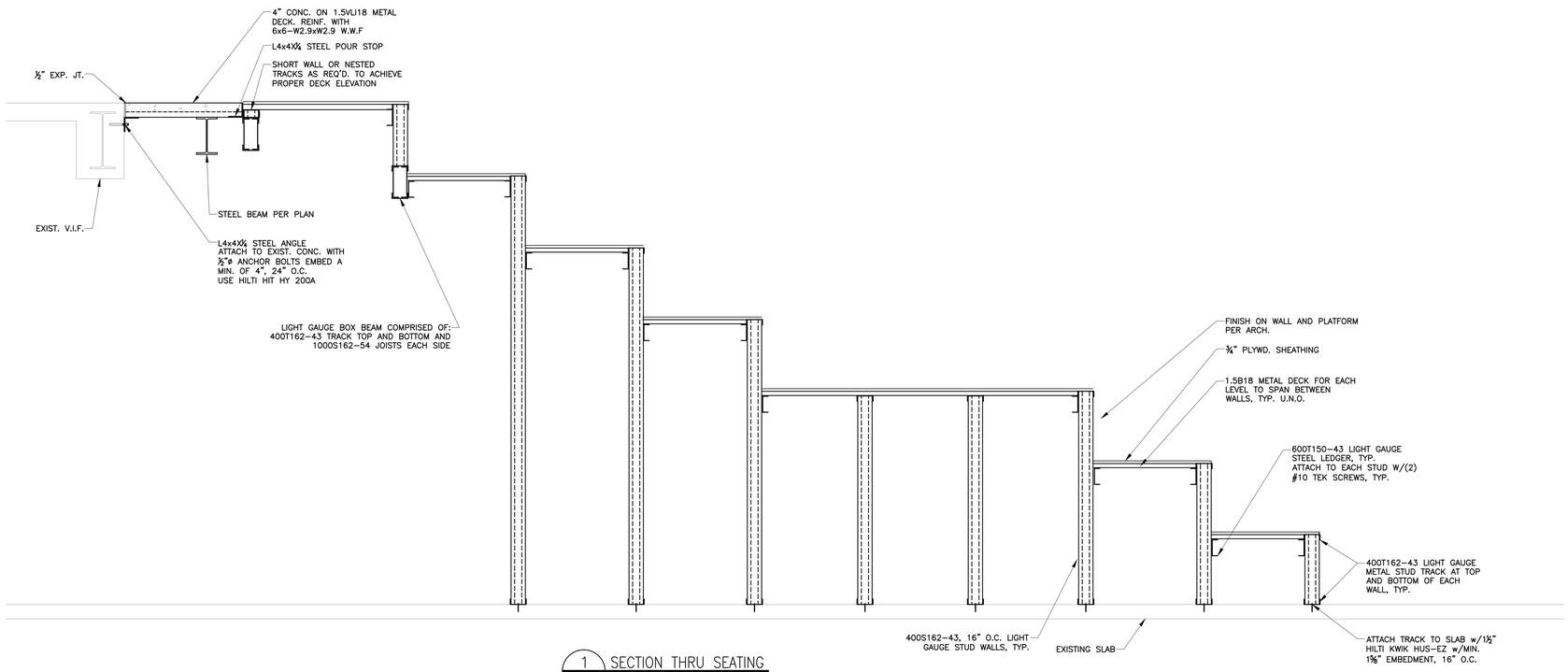

1 S-302 SECTION THRU SEATING
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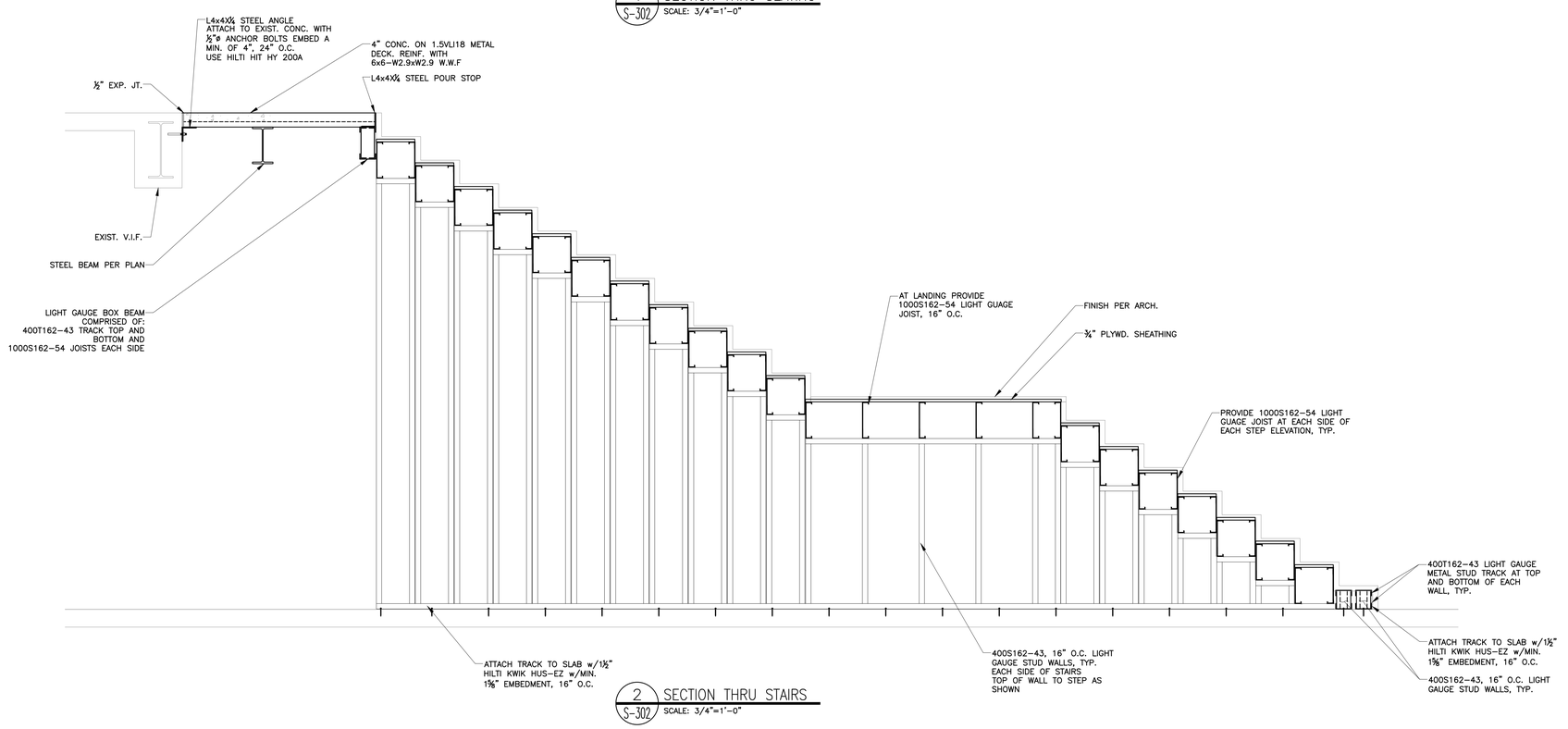

2 S-302 SECTION THRU STAIRS
SCALE: 3/4"=1'–0"

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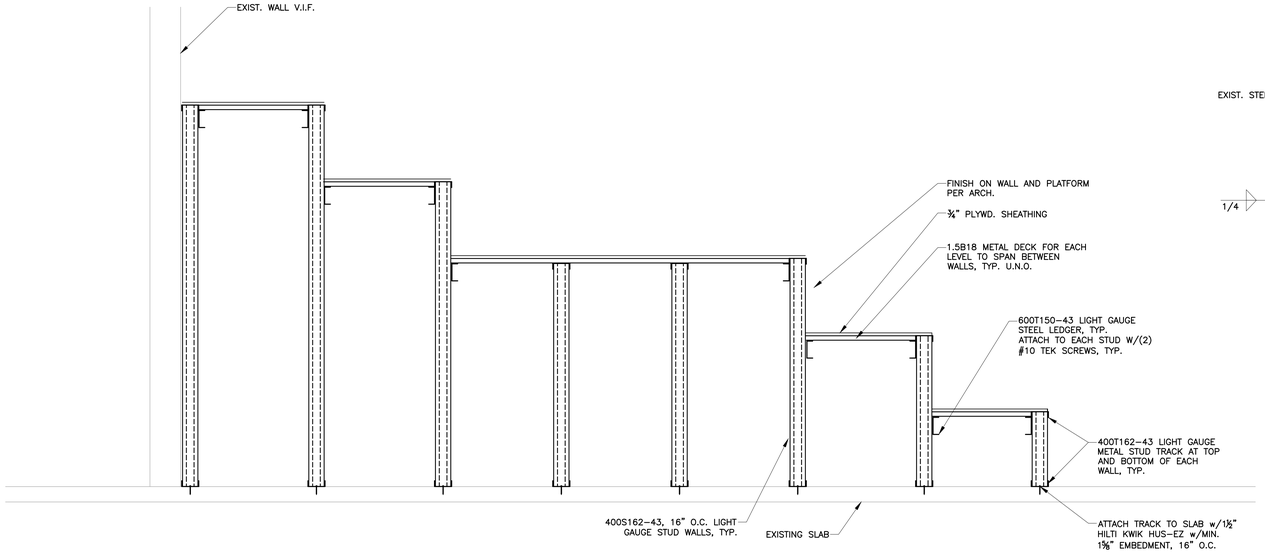

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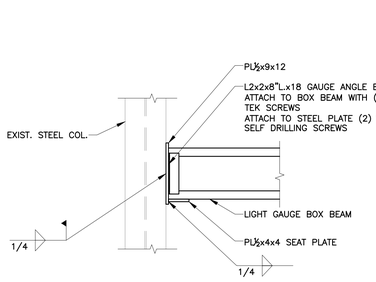

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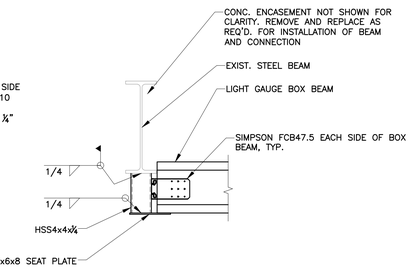

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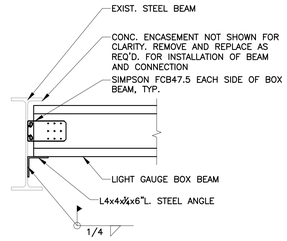

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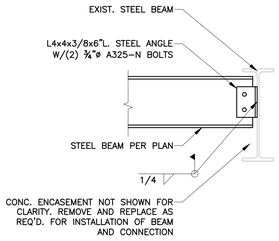

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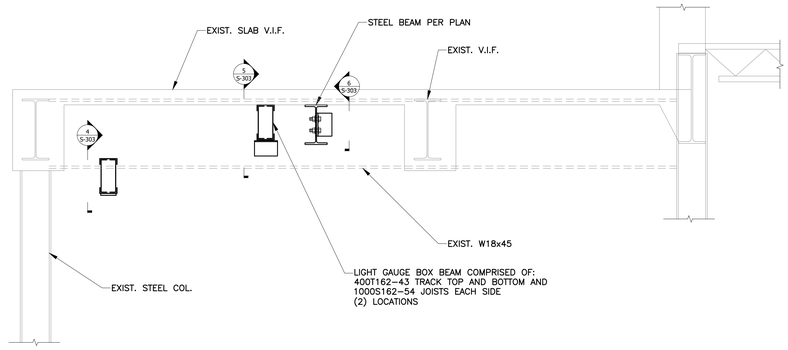

2 S-303 STRUCTURAL SECTION
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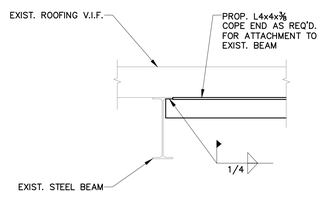

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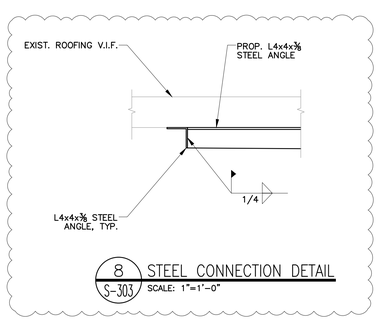

8 S-303 STEEL CONNECTION DETAIL
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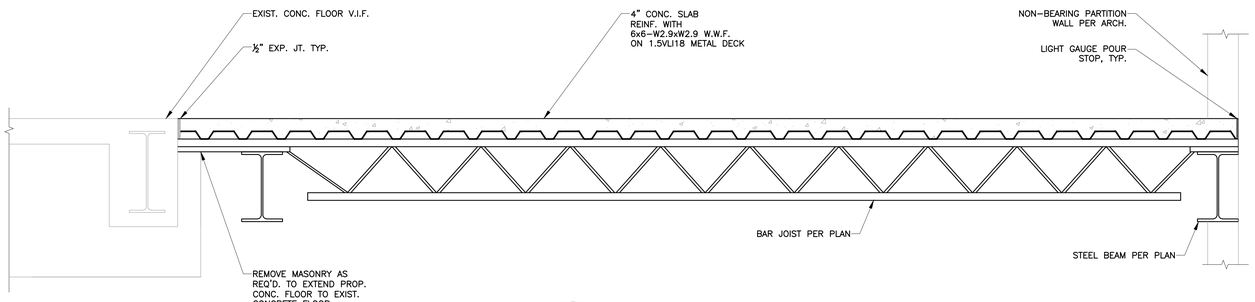

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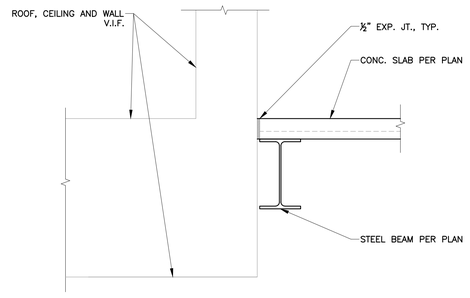

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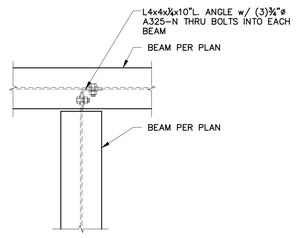

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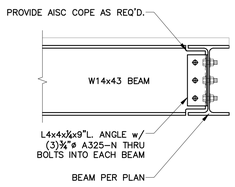

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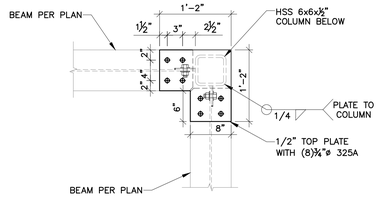

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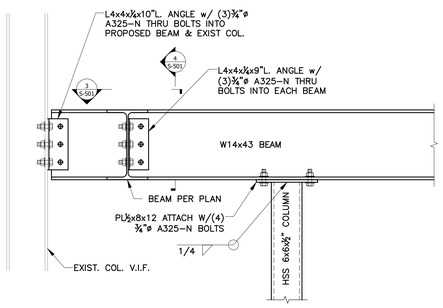

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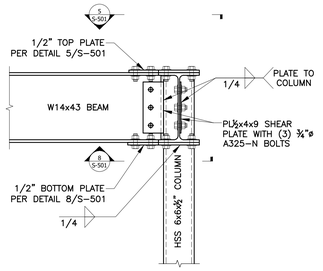
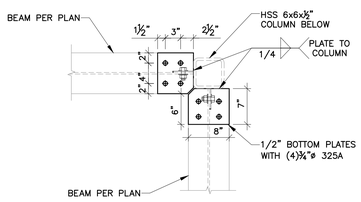
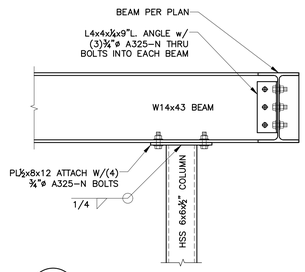


7 S-501 STEEL CONNECTION DETAIL
SCALE: 1"=1'-0"



8 S-501 BOTTOM CONNECTION DETAIL
SCALE: 1"=1'-0"



9 S-501 BOTTOM CONNECTION DETAIL
SCALE: 1"=1'-0"

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STATE OF NEW YORK · BRIAN CLAPPER · 090158 · LICENSED PROFESSIONAL ENGINEER

EXP. DATE: 2/28/2026

NORTH ROCKLAND HIGH SCHOOL - LIBRARY

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED:

DATE:

SCALE:

SHEET NAME:
STRUCTURAL DETAILS

SHEET NUMBER:
S-501

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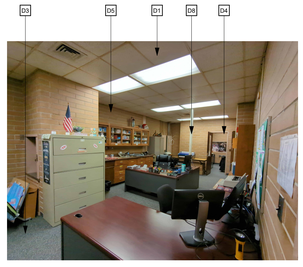
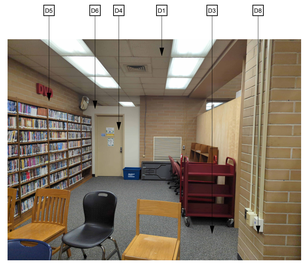
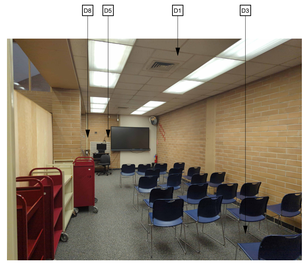
DEMO PLAN KEYNOTES

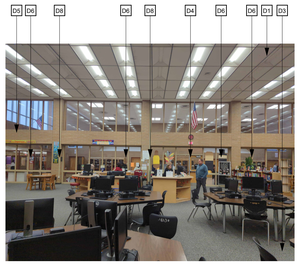
#	DESCRIPTION
D1	REMOVE EXISTING HARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING CLG MOUNTED DEVICES. TURN OVER ALL EXISTING AV EQUIPMENT (IE PROJECTORS & SCREENS) TO OWNER. COORDINATE WITH MEP AND NEW WORK DRAWINGS.
D2	REMOVE EXISTING STAIRS DOWN TO SUBSTRATE INCLUDING BUT NOT LIMITED TO GUARDRAILS, RAILINGS, STRUCTURAL SUPPORTS, AND ANY RELATED ACCESSORIES TO ACCOMMODATE NEW WORK. COORDINATE WITH NEW WORK, STRUCTURAL, AND ELECTRICAL DRAWINGS.
D3	REMOVE EXISTING FLOOR FINISH TO EXISTING CONCRETE SUBSTRATE. REMOVE ANY MASTICS, ADHESIVES,
D4	REMOVE & DISPOSE OF EXISTING DOOR, DOOR FRAME, AND HARDWARE COMPLETE
D5	REMOVE & DISPOSE OF EXISTING WALL MOUNTED ELEMENTS & FINISHES COMPLETELY. PREP ALL WALLS AS NEEDED FOR NEW WALL FINISH & BASE.
D6	REMOVE EXISTING WALL PARTITION, AND ALL WALL MOUNTED ELEMENTS IN ITS ENTIRETY TO THE EXTEND SHOWN TO ACCOMMODATE NEW WORK. COORDINATE WITH NEW CONSTRUCTION, STRUCTURAL, AND MEP DRAWINGS.
D8	REMOVE & DISPOSE OF EXISTING POWER/DATA DROP. RECORDINATE WITH NEW LAYOUT AND REF ELECTRICAL DRAWINGS FOR MORE INFORMATION.

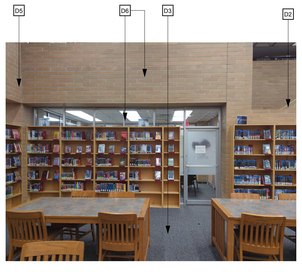


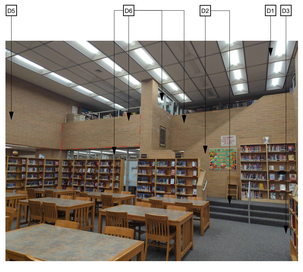


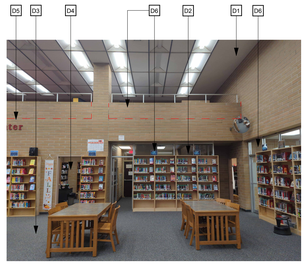


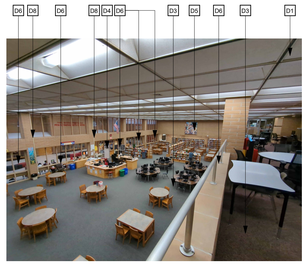
OFFICE SPACES











LIBRARY SPACES

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REGISTERED ARCHITECT ARMAND SAMUEL QUORIN 022313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

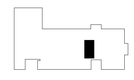
NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE: 12" = 1'-0"

SHEET NAME:
DEMO REFERENCE PHOTOS

SHEET NUMBER:

AD-000

PROGRESS SET - FOR REVIEW ONLY

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CHECKED BY: Author
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2/23/2026 2:17:01 PM

PROJECT NUMBER: 00000.00 COPYRIGHT © 2025 KSQ ARCHITECTS, PC

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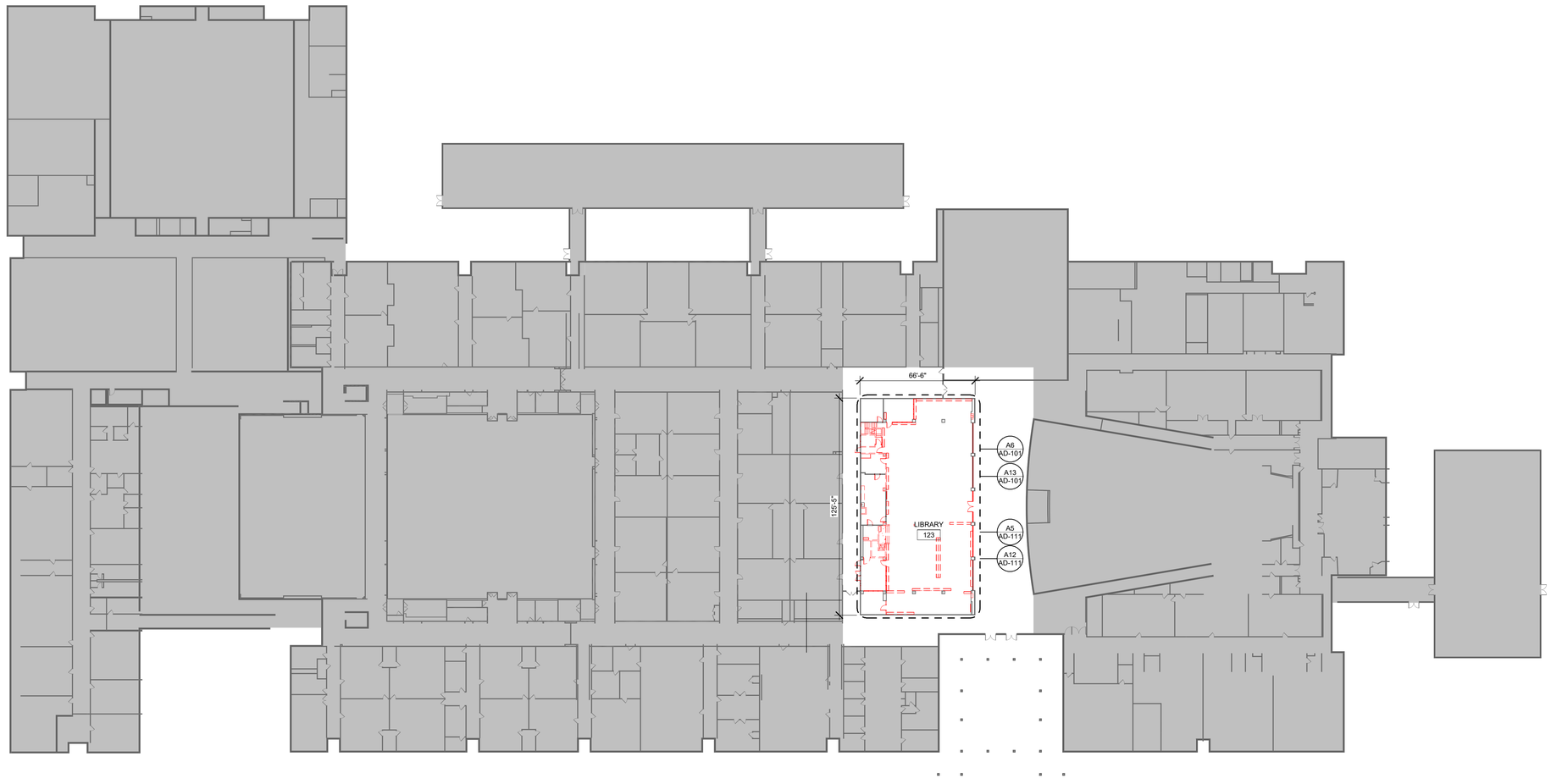
- EXISTING WALL TO REMAIN
- D1 — DEMO WORK KEYNOTE



OVERALL DEMO FLOOR PLAN (A3)
1" = 30'-0"

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REGISTERED ARCHITECT ARMAND SAMUEL QUORIN 022313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME: OVERALL DEMO PLAN
SHEET NUMBER: AD-100

PROGRESS SET - FOR REVIEW ONLY

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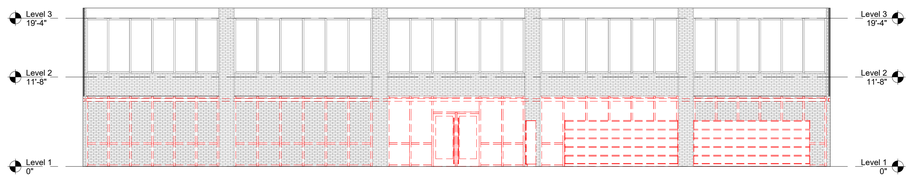
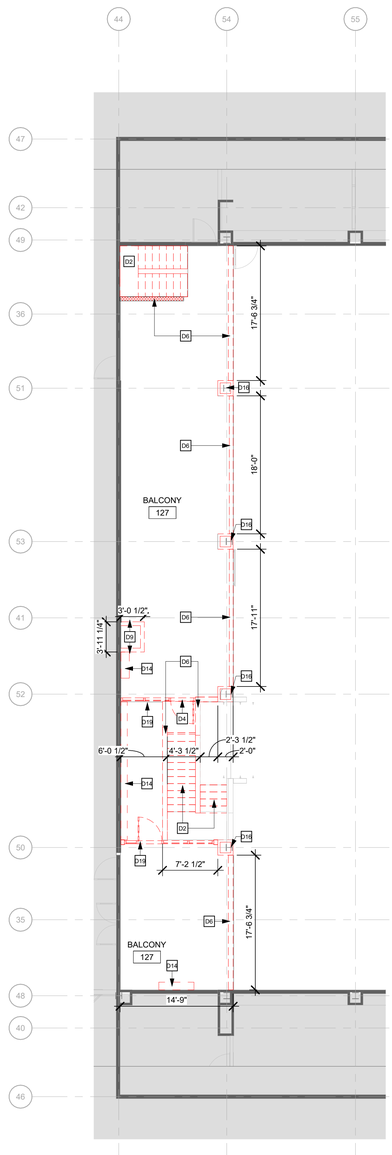
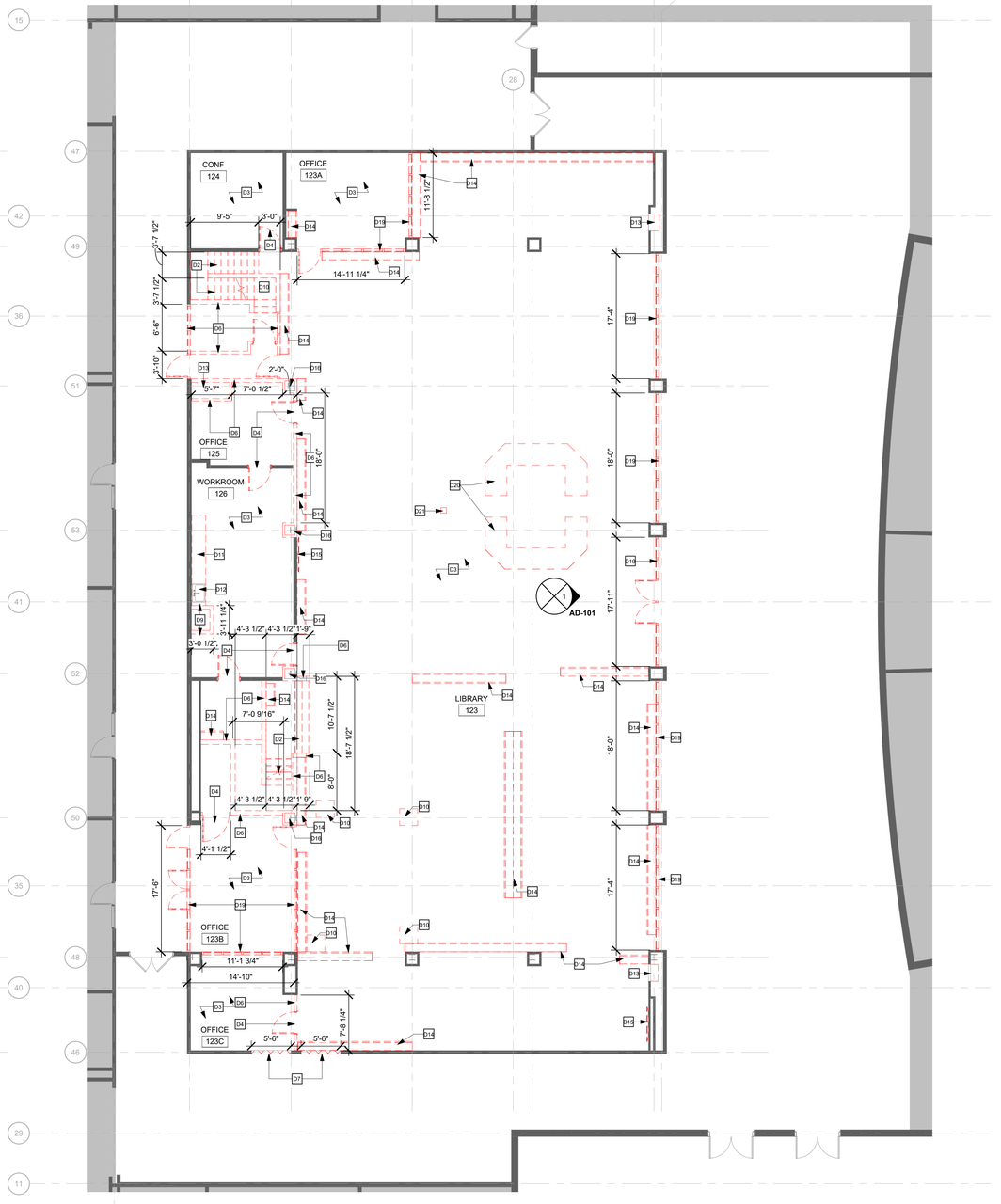


LIBRARY EAST DEMO ELEV. 1

1/8" = 1'-0"





ENLARGED DEMO MEZZANINE PLAN A13

1/8" = 1'-0"

ENLARGED DEMO LIBRARY PLAN A6

1/8" = 1'-0"

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- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- D1 DEMO WORK KEYNOTE

DEMO PLAN KEYNOTES

#	DESCRIPTION
D2	REMOVE EXISTING STAIRS DOWN TO SUBSTRATE INCLUDING BUT NOT LIMITED TO GUARDRAILS, RAILINGS, STRUCTURAL SUPPORTS, AND ANY RELATED ACCESSORIES TO ACCOMMODATE NEW WORK. COORDINATE WITH NEW WORK, STRUCTURAL, AND ELECTRICAL DRAWINGS.
D3	REMOVE EXISTING FLOOR FINISH TO EXISTING CONCRETE SUBSTRATE. REMOVE ANY MASTICS, ADHESIVES,
D4	REMOVE WALL BASES, INCLUDING BUT NOT LIMITED TO, ASSOCIATED ACCESSORIES, AND HARDWARE COMPLETELY
D6	REMOVE EXISTING WALL PARTITION, AND ALL WALL MOUNTED ELEMENTS IN ITS ENTIRETY TO THE EXTEND SHOWN TO ACCOMMODATE NEW WORK. COORDINATE WITH NEW CONSTRUCTION, STRUCTURAL, AND MEP DRAWINGS.
D7	REMOVE PORTION OF EXISTING PARTITION TO THE EXTEND SHOWN TO ACCOMMODATE NEW OPENING. COORDINATE REMOVALS WITH NEW CONSTRUCTION DRAWINGS.
D9	REMOVE EXISTING DUMB WAITER AND SHAFT IT THEIR ENTIRETY, INCLUDING MANSORY PREPARE EXISTING CONCRETE SLAB FOR INFILL AND PATCHING AS NEEDED. COORDINATE WITH NEW CONSTRUCTION DRAWINGS.
D10	REMOVE PORTION OF EXISTING CONCRETE SLAB TO ACCOMMODATE REMOVALS AND NEW WORK. COORDINATE WITH NEW CONSTRUCTION AND STRUCTURAL DRAWINGS.
D11	CAREFULLY REMOVE EXISTING CASEWORK TO ACCOMMODATE REMOVAL AND NEW WORK. COORDINATE WITH PLUMBING AND NEW WORK DRAWINGS.
D12	EXISTING SINK TO REMAIN. COORDINATE WITH PLUMBING AND NEW WORK DRAWINGS.
D13	EXISTING MECH REGISTER. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
D14	REMOVE EXISTING CASEWORK TO ACCOMMODATE REMOVALS AND NEW WORK. COORDINATE WITH NEW WORK DRAWINGS.
D15	REMOVE AND SALVAGE EXISTING MONITOR TV TO ACCOMMODATE REMOVALS AND NEW WORK AND RETURN TO OWNER.
D16	EXISTING STRUCTURAL COLUMN TO REMAIN. PROTECT DURING REMOVALS AND NEW WORK. COORDINATE WITH STRUCTURAL DRAWINGS.
D19	REMOVE EXISTING STOREFRONT / GLASS PARTITION, AND ALL MOUNTED ELEMENTS IN ITS ENTIRETY TO THE EXTEND SHOWN TO ACCOMMODATE NEW WORK. COORDINATE WITH NEW CONSTRUCTION, STRUCTURAL, AND MEP DRAWINGS.
D20	REMOVE EXISTING CIRC DESK MILLWORK. PRETECT DATA AND POWER FOR REUSE.
D21	REMOVE EXISTING FLOOR MOUNTED OUTLET AND GC INFILL IN THE NEW WORK. SEE MEP FOR MORE INFO

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REGISTERED ARCHITECT ARMAND SAMUEL QUADRINI 023213 STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE: As indicated

SHEET NAME:
ENLARGED LIBRARY DEMOLITION PLANS

SHEET NUMBER:

AD-101

PROGRESS SET - FOR REVIEW ONLY

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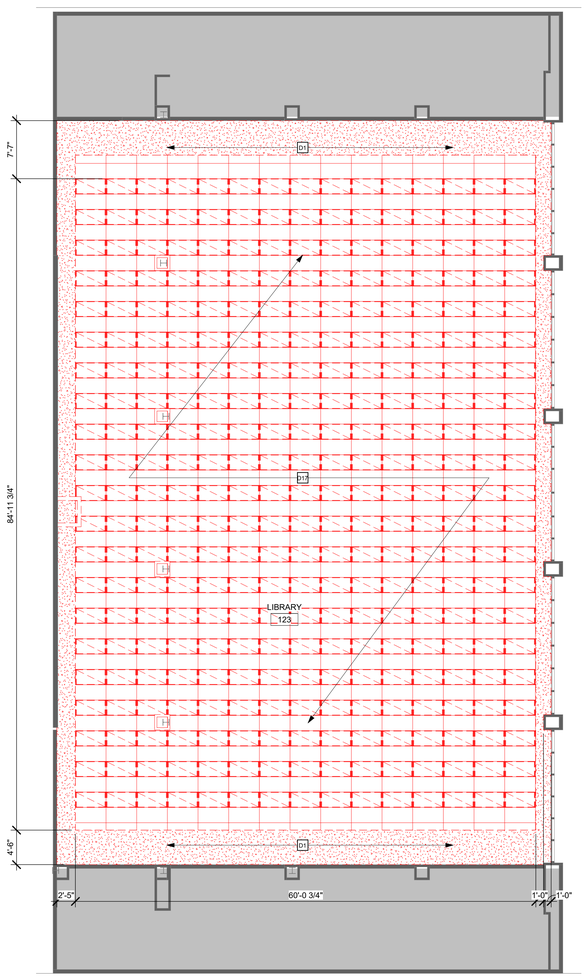
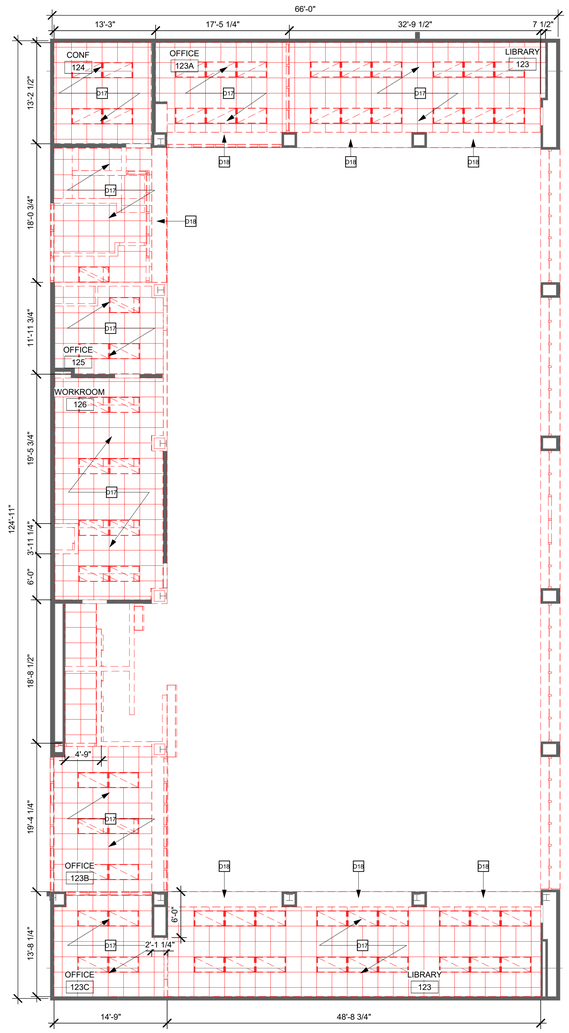
- EXISTING WALL TO REMAIN
- D1 — DEMO WORK KEYNOTE

DEMO PLAN KEYNOTES

#	DESCRIPTION
D1	REMOVE EXISTING HARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING CLG MOUNTED DEVICES. TURN OVER ALL EXISTING AV EQUIPMENT (IE PROJECTORS & SCREENS) TO OWNER. COORDINATE WITH MEP AND NEW WORK DRAWINGS.
D17	REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY INCLUDING CLG MOUNTED DEVICES. TURN OVER ALL EXISTING AV EQUIPMENT (IE PROJECTORS & SCREENS) TO OWNER. COORDINATE WITH MEP AND NEW WORK DRAWINGS.
D18	REMOVE EXISTING CLG METAL ENCLOSURE IN ITS ENTIRETY INCLUDING ANY SUPPORTS AND RELATED ACCESSORIES TO ACCOMMODATE REMOVALS AND NEW WORK. COORDINATE WITH MEP AND NEW WORK DRAWINGS.



ENLARGED 2ND FLOOR DEMO RCP A12
1/8" = 1'-0"



1ST FLOOR DEMO RCP A5
1/8" = 1'-0"

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REGISTERED ARCHITECT ARMAND SAMUEL QUIROZIN 032313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME: ENLARGED LIBRARY DEMOLITION RCP
SHEET NUMBER: AD-111

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DEMOLITION NOTES:

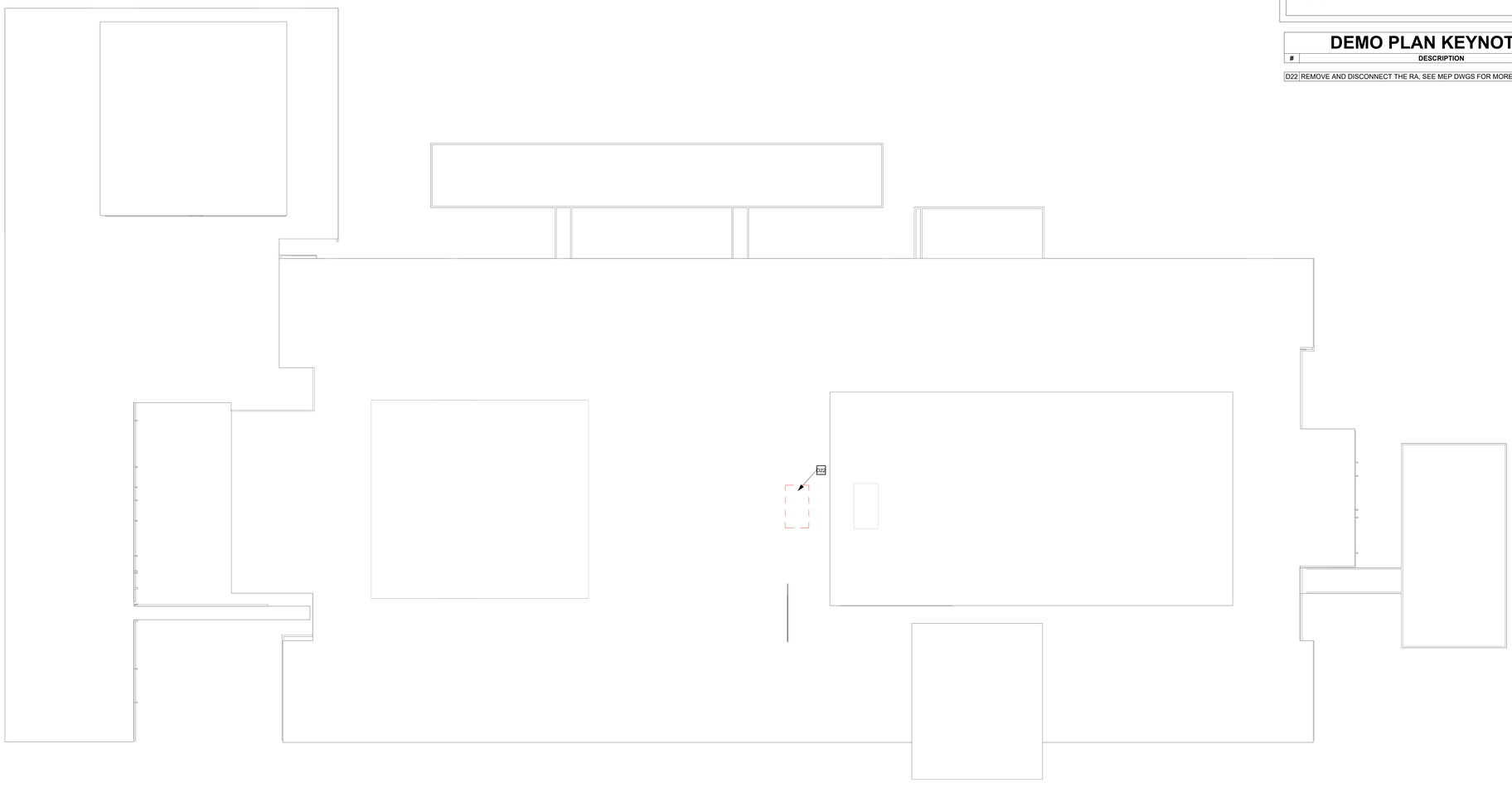
1. VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WITH DEMOLITION WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. ALL DIMENSIONS ARE TO BE VERIFIED IN THE FIELD.
3. ALL NEW OPENINGS FOR DOORS AND WINDOWS SHALL BE COORDINATED WITH NEW WORK PLANS FOR LOCATIONS AND SIZES.
4. DEMOLITION NOTES ARE TYPICAL AND APPLY TO MATERIALS OF THE LIKE SHOWN IN PLAN.
5. PRIOR TO ANY SITE DEMOLITION OR EXCAVATION, CONTRACTOR MUST NOTIFY "DIGSAFE" AT 1-888-344-7233.
6. IT IS NOT THE INTENT TO SHOW EVERY PIECE OR ITEM TO BE REMOVED IN DEMOLITION WORK. MECHANICAL, ELECTRICAL, AND OTHER WORK RELATED TO A WALL OR AREA SCHEDULED FOR DEMOLITION AND REMOVAL, SHALL BE PERFORMED WHETHER SO NOTED OR NOT. PROTECT ALL ITEMS INTENDED FOR SALVAGE AND REUSE, OR SCHEDULED TO REMAIN.
7. WHEN WALLS OR OTHER SUPPORTING AND/OR BRACING ELEMENTS ARE SCHEDULED FOR DEMOLITION, TEMPORARY STRUCTURAL SUPPORTS AND BRACING FOR ADJACENT CONSTRUCTION SHALL BE PROVIDED AND MAINTAINED UNTIL THE PERMANENT SUPPORTING STRUCTURE IS IN PLACE AND ABLE TO SUPPORT IMPOSED LOADS.
8. PROTECT ALL ADJACENT SURFACES AND MATERIALS DURING DEMOLITION, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE CAUSED AS A RESULT OF WORK AND SHALL REPAIR OR REPLACE DAMAGED MATERIALS OR PRODUCTS.
9. CONTRACTOR SHALL SEAL ALL DOOR OPENINGS AND HVAC OPENINGS IN ALL AREAS OF DEMOLITION AND CONSTRUCTION PRIOR TO CUTTING, SANDING, ETC. TO PREVENT DUST MIGRATION TO ADJACENT ROOMS.

DEMOLITION LEGEND:

- EXISTING DOOR TO BE REMOVED
- NOT IN CONTRACT (N.I.C.)
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- D1 — DEMO WORK KEYNOTE

DEMO PLAN KEYNOTES

#	DESCRIPTION
D22	REMOVE AND DISCONNECT THE RA, SEE MEP DWGS FOR MORE INFO.



LIBRARY ROOF_bc
1" = 30'-0"
1

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REGISTERED ARCHITECT
ARMAND SAMUEL QUORIN
022313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME:
ROOF DEMOLITION PLAN
SHEET NUMBER:
AD-112

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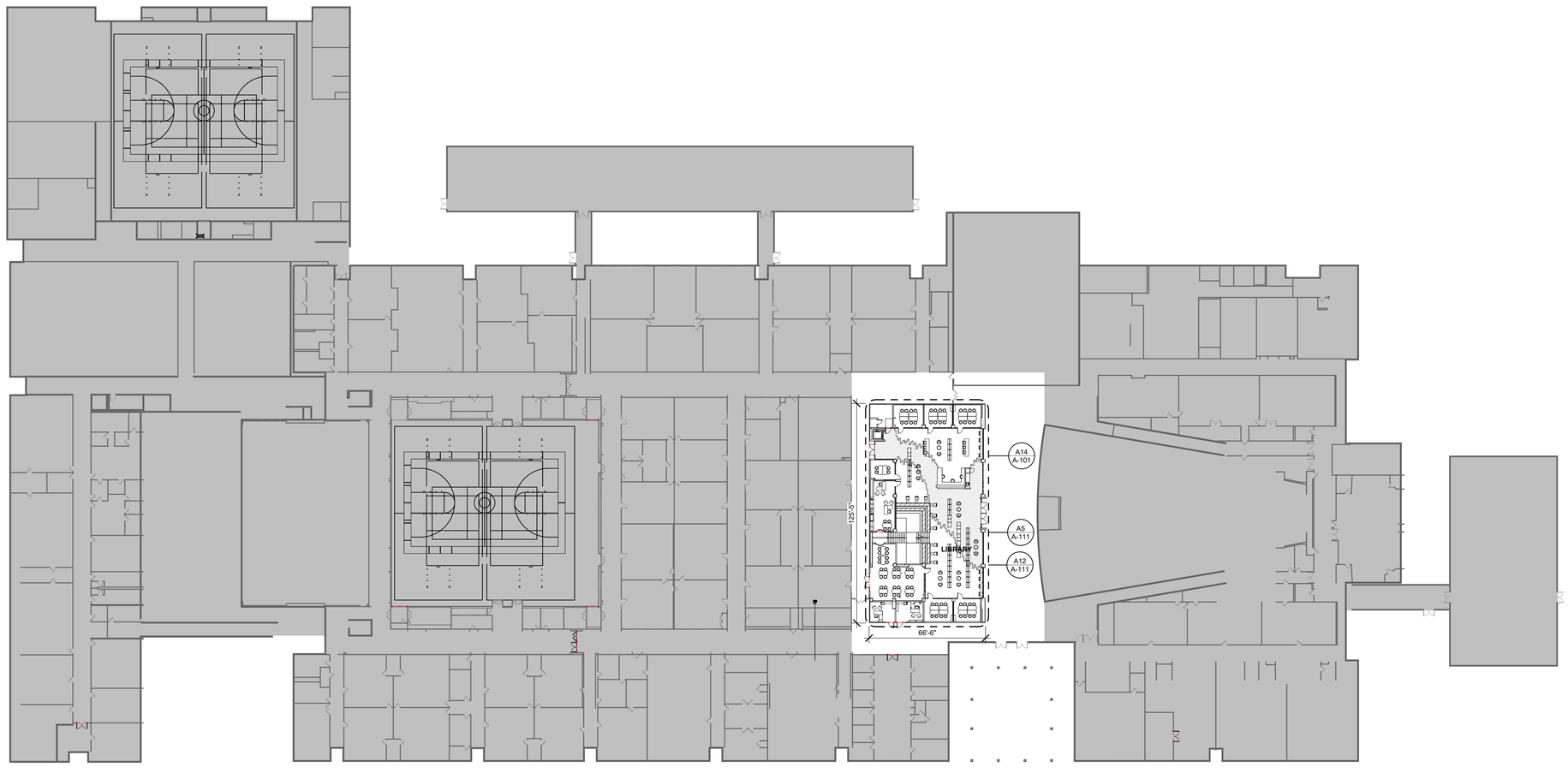
FLOOR PLAN NOTES:

1. PATCH ALL WALLS AND PAINT THROUGHOUT TO MATCH ADJACENT FINISH
2. ALL DIMENSIONS ARE TO BE VERIFIED IN THE FIELD.
3. WALL DIMENSIONS ARE MEASURED FROM FINISH FACE OR SURFACE OF AND ARCHITECTRAL FEATURE U.O.N.
4. REUSE OF SALVAGED MATERIALS, NOT SPECIFICALLY SCHEDULED, WILL BE AT THE SOLE DISCRETION OF THE OWNER. IN NO CASE SHALL SALVAGED MATERIALS BE INCORPORATED IN THE WORK THAT DO NOT MEET MINIMUM REQUIREMENTS OF STATE AND LOCAL CODES AND REGULATIONS.
5. PATCH/REPAIR/REFINISH ALL SURFACES EXPOSED BY DEMOLITION WORK AND MATCH/ALIGN WITH EXISTING ADJACENT SURFACES SCHEDULED TO REMAIN. PREP SURFACES TO RECEIVE ALL LABOR AND MATERIALS REQUIRED TO RENDER SUBSTRATES ACCEPTABLE TO RECEIVE NEW FINISHES SPECIFIED IN ACCORDANCE WITH MANUFACTURERS' WRITTEN RECOMMENDATIONS.

FLOOR PLAN LEGEND:

- N1 — NEW WORK KEYNOTE
- 101A — NEW DOOR TAG
- A1 — STOREFRONT/WINDOW TYPE
- NOT IN CONTRACT (N.I.C.)
- HATCH INDICATES NEW MILLWORK
- EXISTING DOOR TO REMAIN
- EXISTING WALL TO REMAIN
- NEW DOOR, FRAME, AND HARDWARE
- NEW CONSTRUCTION
- HATCH INDICATES AREA OF INFIL



OVERALL FLOOR PLAN A3
1" = 30'-0"

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ARMANDO SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME:
OVERALL FLOOR PLAN

SHEET NUMBER:
A-100

BID SET CONSTRUCTION SET

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CHECKED BY: JFOY
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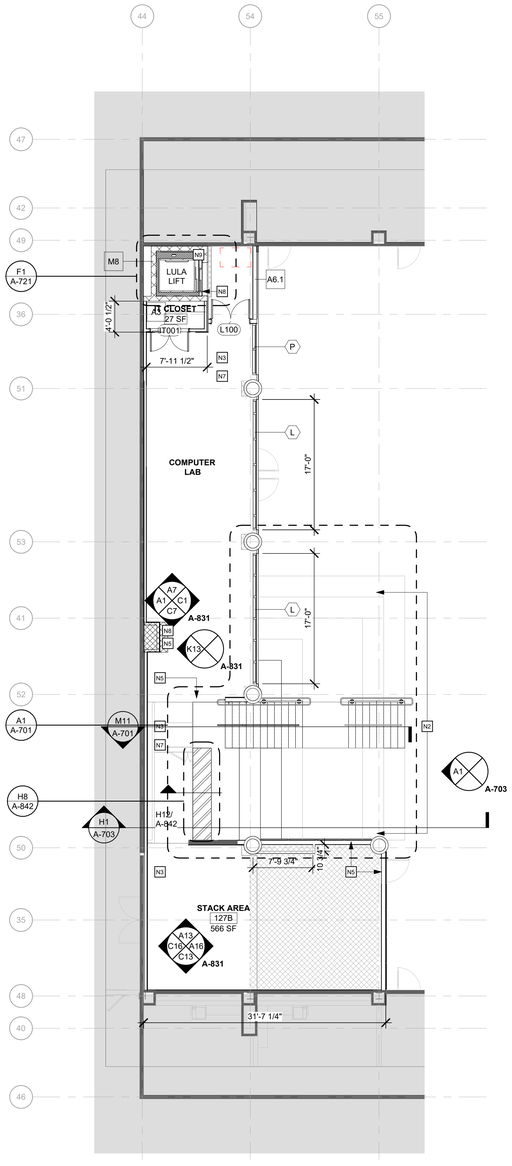
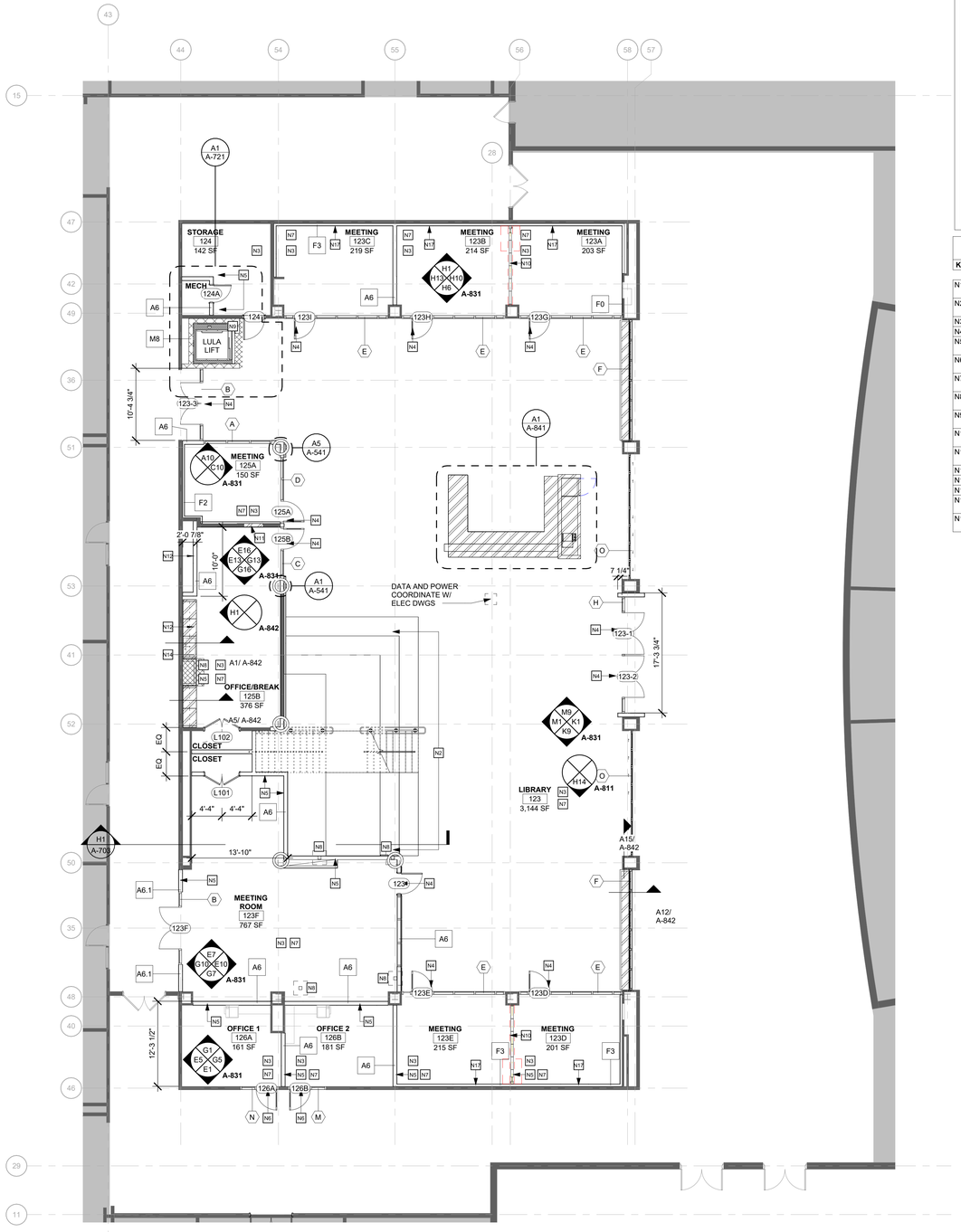


LIBRARY PLAN - MEZZANINE A14
1/8" = 1'-0"



LIBRARY PLAN - LEVEL 1 A6
1/8" = 1'-0"

FLOOR PLAN NOTES:

1. PATCH ALL WALLS AND PAINT THROUGHOUT TO MATCH ADJACENT FINISH
2. ALL DIMENSIONS ARE TO BE VERIFIED IN THE FIELD.
3. WALL DIMENSIONS ARE MEASURED FROM FINISH FACE OR SURFACE OF AND ARCHITECTRAL FEATURE U.O.N.
4. REUSE OF SALVAGED MATERIALS, NOT SPECIFICALLY SCHEDULED, WILL BE AT THE SOLE DISCRETION OF THE OWNER. IN NO CASE SHALL SALVAGED MATERIALS BE INCORPORATED IN THE WORK THAT DO NOT MEET MINIMUM REQUIREMENTS OF STATE AND LOCAL CODES AND REGULATIONS.
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FLOOR PLAN LEGEND:

- N1 — NEW WORK KEYNOTE
- 101A — NEW DOOR TAG
- A1 — STOREFRONT/WINDOW TYPE
- NOT IN CONTRACT (N.I.C.)
- HATCH INDICATES NEW MILLWORK
- EXISTING DOOR TO REMAIN
- EXISTING WALL TO REMAIN
- NEW DOOR, FRAME, AND HARDWARE
- NEW CONSTRUCTION
- HATCH INDICATES AREA OF INFIL

NEW WORK KEYNOTES

KEYNOTE	NEW - TEXT
N1	PROVIDE NEW ACOUSTICAL PANEL CEILING SYSTEM AS SPECIFIED. COORDINATE WITH FINISH SCHEDULE AND MEP DRAWINGS.
N2	PROVIDE NEW TIERED COMMONS BLEACHERS. REFER TO STRUCTURAL DRAWINGS. SEE SHEET A-702 FOR ADDITIONAL DETAILS.
N3	PROVIDE NEW FLOOR FINISH AND BASE. REFER TO FINISH PLANS AND FINISH SCHEDULE..
N4	PROVIDE NEW DOOR AND HARDWARE. REFER TO DOOR SCHEDULE AND DOOR DETAILS..
N5	PROVIDE NEW PARTITION. REFER TO FINISH SCHEDULE, FINISH PLANS, AND INTERIOR ELEVATIONS. SEE G-000s DRAWINGS FOR WALL TYPES.
N6	PROVIDE NEW OPENING TO ACCOMMODATE NEW DOOR. REFER TO DOOR SCHEDULE, DOOR DETAILS, AND SHEET A-621 FOR ADDITIONAL DETAILS.
N7	PROVIDE NEW DATA AND POWER DROPS THAT COORDINATE WITH THE NEW LAYOUT. COORDINATE WITH ELECTRICAL DRAWINGS.
N8	PROVIDE CONCRETE SLAB INFILL AND PATCHING AS REQUIRED. COORDINATE WITH STRUCTURAL DRAWINGS, FINISH PLANS, AND FINISH SCHEDULE.
N9	PROVIDE NEW LULA LIFT AS SPECIFIED. REFER TO STRUCTURAL AND ELEC DRAWINGS FOR ADDITIONAL REQUIREMENTS.
N10	PROVIDE ACCORDION STYLE PARTITION SYSTEM AS SPECIFIED. SEE A-621 AND INTERIOR ELEVATIONS FOR DETAILS.
N11	PROVIDE NEW WALL INFILL TO MATCH EXISTING CONSTRUCTION, FIRE RATING, AND FINISHES. NEW FINISHES TO BE FLUSH WITH EXISTING. SEE FINISH PLANS AND SCHEDULE.
N12	PROVIDE ACCESS PANEL AS SPECIFIED. COORDINATE WITH ELECTRICAL DRAWINGS FOR LOCATION
N14	SALVAGED EXISTING SINK. REFER TO PLUMBING DRAWINGS.
N15	PROVIDE NEW COLUMN COVER.
N16	PROVIDE NEW GYPSUM BOARD CEILING SYSTEM AS SPECIFIED. COORDINATE WITH FINISH SCHEDULE AND MEP DRAWINGS.
N17	PROVIDE BLOCKING BEHIND GYP. BD. FOR MOUNTING OF DISPLAY SCREEN; SEE ELECTRICAL DRAWINGS FOR DATA AND POWER; COORDINATE MOUNTING HEIGHT WITH ARCHITECT IN FIELD

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REGISTERED ARCHITECT ARMAND SAMUEL QUIÑONES 032313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date
1	SED ADDENDUM #2	11/12/2025

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME: ENLARGED LIBRARY FLOOR PLANS
SHEET NUMBER: A-101

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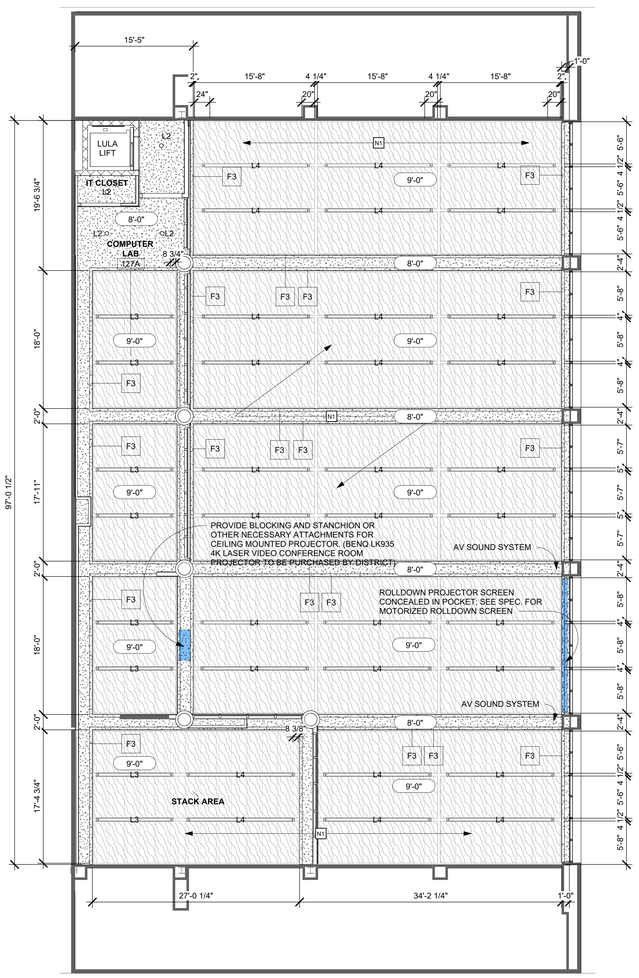
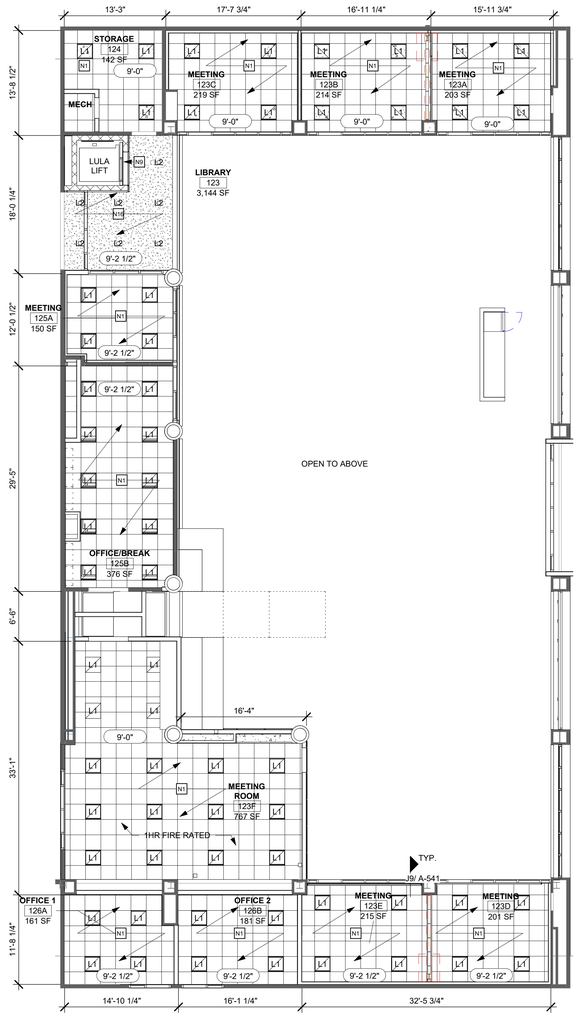


ENLARGED 2ND FLOOR RCP A12

1/8" = 1'-0"



1ST FLOOR RCP A5

1/8" = 1'-0"

CEILING PLAN NOTES:

1. REFER TO TYP CEILING DETAILS ON SHEET A551
2. ALL DIMENSIONS ARE TO BE VERIFIED IN THE FIELD.
3. WALL DIMENSIONS ARE MEASURED FROM FINISH FACE OR SURFACE OF AND ARCHITECTRAL FEATURE U.O.N.
4. REUSE OF SALVAGED MATERIALS, NOT SPECIFICALLY SCHEDULED, WILL BE AT THE SOLE DISCRETION OF THE OWNER. IN NO CASE SHALL SALVAGED MATERIALS BE INCORPORATED IN THE WORK THAT DO NOT MEET MINIMUM REQUIREMENTS OF STATE AND LOCAL CODES AND REGULATIONS.
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CEILING PLAN LEGEND

- SUSPENDED ACOUSTICAL CEILING: 1'X1', 2'X2', & 2'X4' SYSTEMS
- NOT IN SCOPE
- GYPSUM WALLBOARD, CEMENT OR GYP PLASTER
- EXISTING TO REMAIN
- EXPOSED STRUCTURE
- STRIP LIGHTING FIXTURE LENGTH VARIES
- WOOD CLOUDS
- COVE LIGHT
- TRACK LIGHTING
- INTERCOM SPEAKER
- SUPPLY DIFFUSER
- CLASSROOM SPEAKER
- SUPPLY DIFFUSER
- AUDIO/VISUAL FIXTURE
- RETURN AIR GRILLE
- CAMERA
- FORCE AIR DIFFUSER
- EXIT SIGN
- SIDE WALL DIFFUSER
- EMERGENCY LIGHT
- 2' X 2' LIGHT FIXTURE
- ACCESS PANEL (ACS)
- LIGHT FIXTURE LENGTH VARIES
- CEILING MOUNTED WALL PROJECTOR
- RECESSED DOWNLIGHT

NEW WORK KEYNOTES

KEYNOTE	NEW - TEXT
N1	PROVIDE NEW ACOUSTICAL PANEL CEILING SYSTEM AS SPECIFIED. COORDINATE WITH FINISH SCHEDULE AND MEP DRAWINGS.
N2	PROVIDE NEW TIERED COMMONS BLEACHERS. REFER TO STRUCTURAL DRAWINGS. SEE SHEET A-702 FOR ADDITIONAL DETAILS.
N3	PROVIDE NEW FLOOR FINISH AND BASE. REFER TO FINISH PLANS AND FINISH SCHEDULE.
N4	PROVIDE NEW DOOR AND HARDWARE. REFER TO DOOR SCHEDULE AND DOOR DETAILS.
N5	PROVIDE NEW PARTITION. REFER TO FINISH SCHEDULE, FINISH PLANS, AND INTERIOR ELEVATIONS. SEE G-000s DRAWINGS FOR WALL TYPES.
N6	PROVIDE NEW OPENING TO ACCOMMODATE NEW DOOR. REFER TO DOOR SCHEDULE, DOOR DETAILS, AND SHEET A-621 FOR ADDITIONAL DETAILS.
N7	PROVIDE NEW DATA AND POWER DROPS THAT COORDINATE WITH THE NEW LAYOUT. COORDINATE WITH ELECTRICAL DRAWINGS.
N8	PROVIDE CONCRETE SLAB INFILL AND PATCHING AS REQUIRED. COORDINATE WITH STRUCTURAL DRAWINGS, FINISH PLANS, AND FINISH SCHEDULE.
N9	PROVIDE NEW LULA LIFT AS SPECIFIED. REFER TO STRUCTURAL AND ELEC DRAWINGS FOR ADDITIONAL REQUIREMENTS.
N10	PROVIDE ACCORDION STYLE PARTITION SYSTEM AS SPECIFIED. SEE A-621 AND INTERIOR ELEVATIONS FOR DETAILS.
N11	PROVIDE NEW WALL INFILL TO MATCH EXISTING CONSTRUCTION, FIRE RATING, AND FINISHES. NEW FINISHES TO BE FLUSH WITH EXISTING. SEE FINISH PLANS AND SCHEDULE.
N12	PROVIDE ACCESS PANEL AS SPECIFIED. COORDINATE WITH ELECTRICAL DRAWINGS FOR LOCATION
N14	SALVAGED EXISTING SINK. REFER TO PLUMBING DRAWINGS.
N15	PROVIDE NEW COLUMN COVER.
N16	PROVIDE NEW GYPSUM BOARD CEILING SYSTEM AS SPECIFIED. COORDINATE WITH FINISH SCHEDULE AND MEP DRAWINGS.
N17	PROVIDE BLOCKING BEHIND GYP. BD. FOR MOUNTING OF DISPLAY SCREEN; SEE ELECTRICAL DRAWINGS FOR DATA AND POWER; COORDINATE MOUNTING HEIGHT WITH ARCHITECT IN FIELD

LIGHTING FIXTURE SCHEDULE

MARK	COMMENTS
L1	RECESSED 2X2 BOX LIGHT FOR ACT FOR MEETING AND OFFICE SPACES
L2	GENERIC CAN LIGHT FOR FEILD LIGHTING, CAN BE 6" OR 8" LIGHTS
L3	SHORT HANGING LINEARS, FOR THE MEZZANINE SPACES
L4	LONG HANGING LINEARS, FOR THE LIBRARY

REF TO ELEC DRAWINGS FOR SPECIFIC LIGHTING FIXTURES

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REGISTERED ARCHITECT ARMAND SAMUEL QUORUM 032313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

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106 Hammond Rd,
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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE: As indicated

SHEET NAME:
ENLARGED LIBRARY RCP

SHEET NUMBER:
A-111

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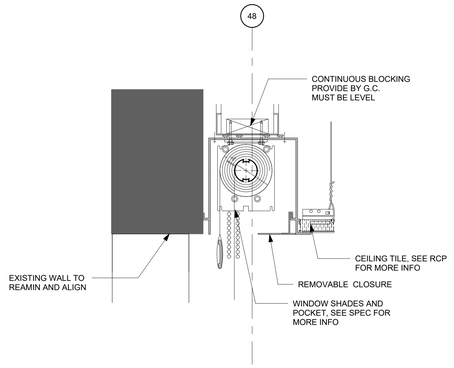
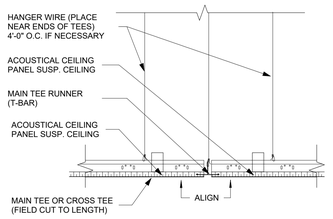
NOTES:

- DROP CLIPS SHALL BE OF LENGTH REQUIRED TO PROVIDE CLEARANCE FOR LIGHTING FIXTURES AND OTHER ITEMS ABOVE CEILING. WHERE CLEARANCE IS LIMITED PROVIDE CLIPS THAT CONNECT RUNNER TIGHT TO THE BOTTOM OF CARRYING CHANNELS.
- CONTRACTOR HAS OPTION TO USE DROP CLIPS OR CLIPS THAT CONNECT RUNNER TIGHT TO BOTTOM OF CARRYING CHANNEL. DROP CLIPS SHALL BE OF LENGTH REQUIRED TO PROVIDE CLEARANCE FOR LIGHTING FIXTURES AND OTHER ITEMS ABOVE CEILING. WHERE CLEARANCE IS LIMITED TO MAINTAIN CEILING HEIGHT, PROVIDE CLIPS THAT CONNECT RUNNER TIGHT TO THE BOTTOM OF CARRYING CHANNELS.
- ALL MECHANICAL EQUIPMENT AND DUCTS SHALL BE SUPPORTED INDEPENDENTLY FROM THE CEILING SYSTEM.
- WHEN SOFFIT SPAN EXCEEDS 4'-0" SECURE SUSPENSION SYSTEM TO STRUCTURAL DECK WITH SUPPORT @ 4'-0" O.C. MAX.
- PROVIDE SPRAY-ON TYPE FIREPROOFING FOR ALL STRUCTURAL STEEL FRAMING AS REQUIRED, EXCEPT AT EXPOSED STEEL, UNO.

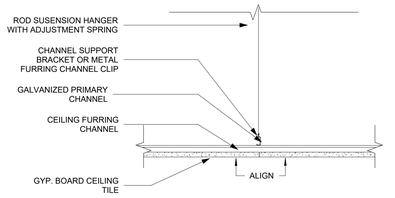


SECTION THRU SHADES J9
3" = 1'-0"



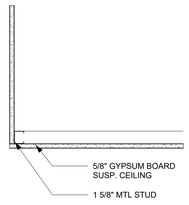
RE: RCP FOR CEILING HEIGHTS

TYP ACT CONNECTION J5
1 1/2" = 1'-0"



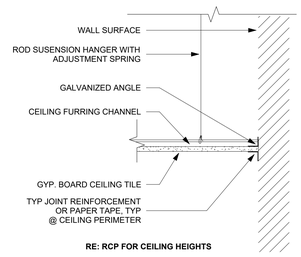
RE: RCP FOR CEILING HEIGHTS

TYP GYP CONNECTION J1
1 1/2" = 1'-0"



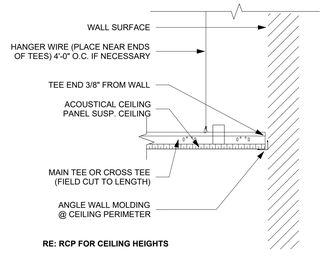
RE: RCP FOR CEILING HEIGHTS

TYP GYP SOFFIT DETAIL E9
1 1/2" = 1'-0"



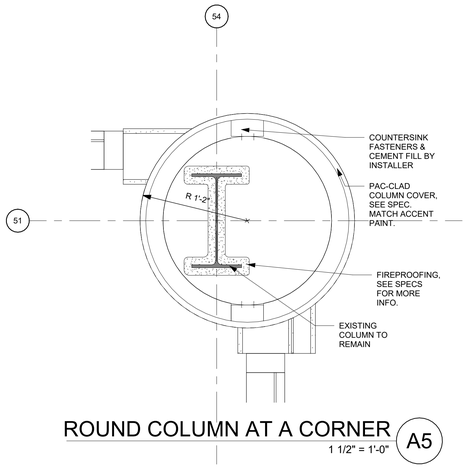
RE: RCP FOR CEILING HEIGHTS

TYP GYP TO WALL E5
1 1/2" = 1'-0"

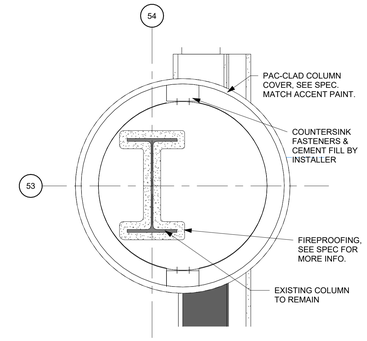


RE: RCP FOR CEILING HEIGHTS

TYP ACT TO WALL E1
1 1/2" = 1'-0"



ROUND COLUMN AT A CORNER A5
1 1/2" = 1'-0"



ROUND COLUMN AT A WALL A1
1 1/2" = 1'-0"

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REGISTERED ARCHITECT
ARMAND SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date
1	SED ADDENDUM #2	11/12/2025

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME:
INTERIOR DETAILS

SHEET NUMBER:
A-541

BID SET CONSTRUCTION SET

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PRINTED BY: JohnV
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DOOR SCHEDULE NOTES

1. REFER TO SHEETS A-602 FOR INTERIOR DOOR DETAILS
2. REFER TO SHEET A-603 FOR INTERIOR AND EXTERIOR STOREFRONT DETAILS
3. REFER TO SHEET A-621 FOR EXTERIOR STOREFRONT TYPES
4. REFER TO SHEET A-631 FOR INTERIOR STOREFRONTS
5. COORDINATE CORES AND KEYING WITH FACILITIES DIRECTOR AND BUILDING LOCKSMITH
6. EXTERIOR DOORS TO BE COORDINATED WITH DAY AUTOMATIONS- SECURITY VENDOR.
7. DOORS TO RECEIVE CARD READERS ARE NOTED ON THE DOOR SCHEDULE, AND ARE TO BE COORDINATED WITH ELECTRICAL.
8. DOORS TO RECEIVE ADA PUSH BUTTONS ARE NOTED IN COMMENTS COLUMN OF THE DOOR SCHEDULE, AND ARE TO BE COORDINATED WITH ELECTRICAL
   - A. INSTALL PUSH BUTTONS ON BOTH THE ENTRY AND EXIT SIDES OF DOORS U.O.N.
   - B. INSTALL PUSH BUTTONS 34" TO 48" ABOVE THE FINISHED FLOOR.
   - C. ENSURE PUSH BUTTONS ARE INSTALLED 24" CLEAR OF THE DOOR SWING ON THE PULL SIDE OF THE DOOR.
   - D. INSTALL PUSH BUTTON POSTS WHERE INDICATED ON FLOOR PLAN A-101.

GLAZING LEGEND

INTERIOR

GL1 CLEAR LAMINATED SAFETY GLAZING

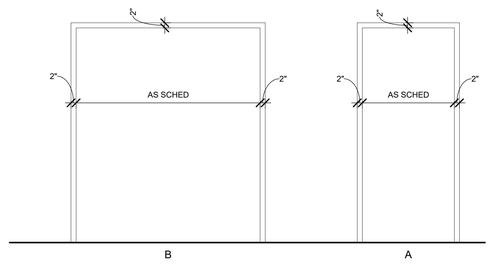
GL2 CLEAR 1HR FIRE RATED SAFETY GLAZING (MUST MEET ASTM E119 OR UL 263)

NOTE

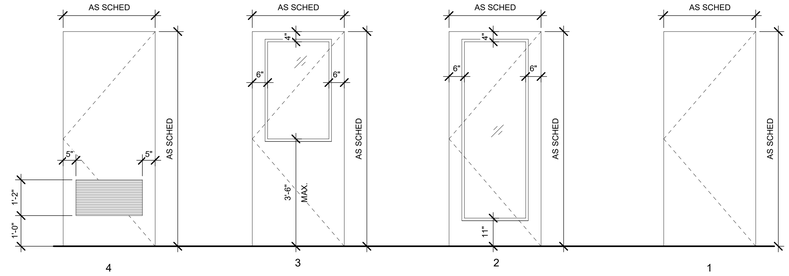
1. ALL GLAZING TO BE SAFETY GLAZING
2. ANY GLAZING BELOW 60" AFF IS TO BE TEMPERED GLAZING.

DOOR SCHEDULE

MARK	ROOM NAME	HARDWARE	DOOR							FRAME						FIRE RATING	COMMENTS
			TYPE	SIZE WIDTH	SIZE HEIGHT	SIZE THICKNESS	MATERIAL	GLASS TYPE	FINISH	TYPE	MATERIAL	FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL SILL		
123	LIBRARY		2	3'-0"	7'-0"	1 3/4"	WD	GL2	STAIN	A	HM	PAINT	A631/G1	A631/D1	A631/A1	1HR	
123-1	LIBRARY		2	6'-0"	7'-0"	1 3/4"	GL	GL2	STAIN	B	HM	PAINT	A631/G1	A631/D1	A631/A1	1HR	AUTO OPERATORS
123-2	CORRIDOR		2	6'-0"	7'-0"	1 3/4"	GL	GL2	STAIN	B	HM	PAINT	A631/G1	A631/D1	A611/A1	1HR	AUTO OPERATORS
123-3	LIBRARY		2	6'-0"	7'-0"	1 3/4"	WD	GL2	STAIN	B	HM	PAINT	A631/G1	A631/D1	A631/A1	1HR	AUTO OPERATORS
123D	MEETING		2	3'-0"	7'-0"	1 3/4"	WD	GL1	STAIN	A	HM	PAINT	A631/G1	A631/D1	A631/A1	20 MIN	
123E	MEETING		3	3'-0"	7'-0"	1 3/4"	WD	GL1	STAIN	A	HM	PAINT	A631/G1	A631/D1	A631/A1	20 MIN	
123F	MEETING ROOM		2	6'-0"	7'-0"	1 3/4"	WD	GL1	STAIN	B	HM	PAINT	A631/G1	A631/D1	A631/A1	1HR	
123G	MEETING		2	3'-0"	7'-0"	1 3/4"	WD	GL1	STAIN	A	HM	PAINT	A631/G1	A631/D1	A631/A1	20 MIN	
123H	MEETING		2	3'-0"	7'-0"	1 3/4"	WD	GL1	STAIN	A	HM	PAINT	A631/G1	A631/D1	A631/A1	20 MIN	
123I	MEETING		2	3'-0"	7'-0"	1 3/4"	WD	GL1	STAIN	A	HM	PAINT	A631/G1	A631/D1	A631/A1	20 MIN	
124	STORAGE		1	3'-0"	7'-0"	1 3/4"	WD	-	STAIN	A	HM	PAINT	A611/G9	A611/D9	A611/A9	1HR	
124A	STORAGE		1	2'-6"	7'-0"	1 3/4"	HM	-	PAINT	A	HM	PAINT	A611/L5	A611/D1	A611/A1	1HR	ACCESS CONTROL
125A	MEETING		2	3'-0"	7'-0"	1 3/4"	WD	GL1	STAIN	A	HM	PAINT	A631/G1	A631/D1	A631/A1	20 MIN	
125B	OFFICE/BREAK		2	3'-0"	7'-0"	1 3/4"	WD	GL1	STAIN	A	HM	PAINT	A631/G1	A631/D1	A631/A1	20 MIN	ACCESS CONTROL
126A	OFFICE 1		2	3'-0"	7'-0"	1 3/4"	WD	GL2	STAIN	A	HM	PAINT	A631/G1	A631/D1	A631/A1	1HR	
C100	CORRIDOR		3	6'-0"	7'-0"	1 3/4"	WD	GL2	STAIN	A	HM	PAINT	A631/G1	A611/D1	A611/A1	1 HR	
IT001	COMPUTER LAB		4	5'-0"	7'-0"	1 3/4"	WD	-	PAINT	B	HM	PAINT	A611/L5	A631/D1	A611/A9		
L100	COMPUTER LAB		3	5'-0"	7'-0"	1 3/4"	WD	GL2	PAINT	B	HM	PAINT	A631/G1	A611/D1	A611/A1	1 HR	



FRAME TYPES
N.T.S.



DOOR TYPES
N.T.S.

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REGISTERED ARCHITECT
ARMAAD SAMUEL QUORAIN
022313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date
1	SED ADDENDUM #2	11/12/2025

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE: As indicated

SHEET NAME:
DOOR SCHEDULES

SHEET NUMBER:
A-601

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: JAnhv
CHECKED BY: JAnhv
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2/23/2026 2:17:20 PM

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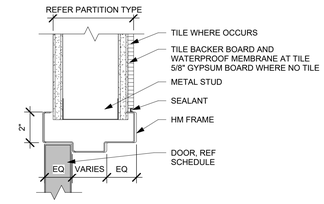
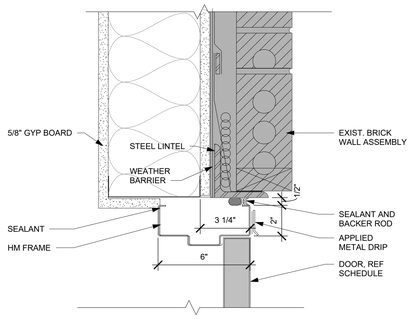
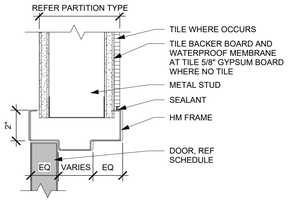


HM HEAD AT RATED WALL L5
3" = 1'-0"



HM DOOR HEAD AT BRICK G9
3" = 1'-0"



HM HEAD G1
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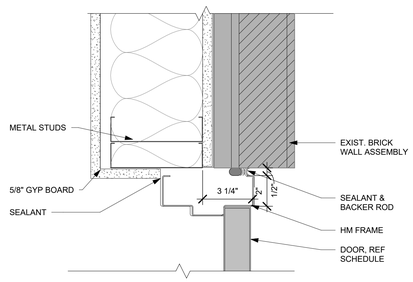
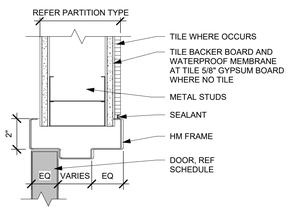


HM DOOR JAMB AT BRICK D9
3" = 1'-0"



HM JAMB D1
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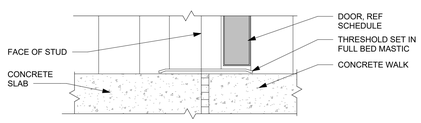
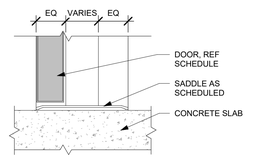


HM DOOR SILL AT BRICK A9
3" = 1'-0"



HM SILL A1
3" = 1'-0"

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REGISTERED ARCHITECT ARMAND SAMUEL QUORIN 032313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: 3" = 1'-0"
SHEET NAME: DOOR DETAILS
SHEET NUMBER: A-611

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: JH/NV
CHECKED BY: JH/Author
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STOREFRONT NOTES

1. REFER TO SHEETS A-602 FOR INTERIOR DOOR DETAILS
2. REFER TO SHEET A-603 FOR INTERIOR AND EXTERIOR STOREFRONT DETAILS
3. REFER TO SHEET A-621 FOR EXTERIOR STOREFRONT TYPES
4. REFER TO SHEET A-631 FOR INTERIOR STOREFRONTS
5. COORDINATE CORES AND KEYING WITH FACILITIES DIRECTOR AND BUILDING LOCKSMITH
6. EXTERIOR DOORS TO BE COORDINATED WITH DAY AUTOMATIONS- SECURITY VENDOR.
7. MOVABLE PARTITIONS ARE TO BE COORDINATED WITH STRUCTURAL AND POSSIBLY ELECTRICAL IF POWER IS REQUIRED FOR OPERATION.

GLAZING LEGEND

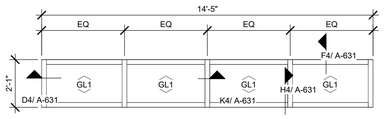
INTERIOR

GL1 CLEAR LAMINATED SAFETY GLAZING

GL2 CLEAR 1HR FIRE RATED SAFETY GLAZING (MUST MEET ASTM E119 OR UL 263)

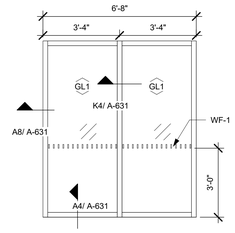
NOTE

1. ALL GLAZING TO BE SAFETY GLAZING
2. ANY GLAZING BELOW 60" AFF IS TO BE TEMPERED GLAZING.



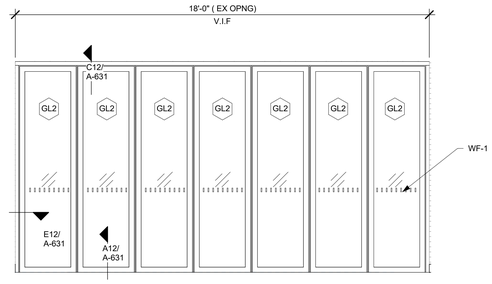
TYPE Q

CLASSROOM ADDITION WINDOW



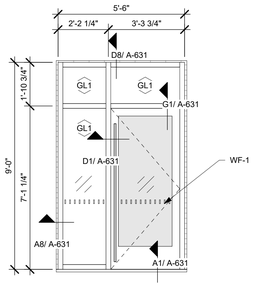
TYPE P

COMPUTER LAB STOREFRONT



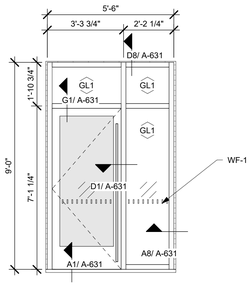
TYPE O

NANA WALL STOREFRONT



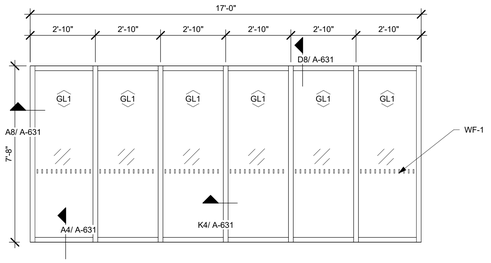
TYPE N

OFFICE CUTOUT 2



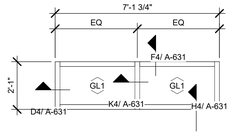
TYPE M

OFFICE CUTOUT 1



TYPE L

COMPUTER LAB STOREFRONT



TYPE K

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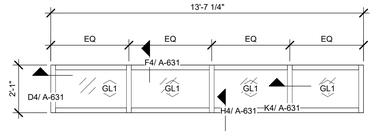

TYPE J

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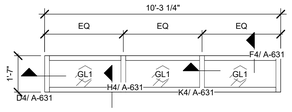
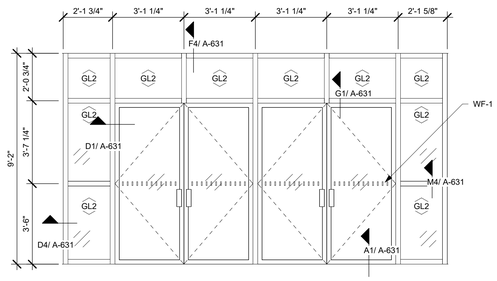


TYPE I

CLASSROOM ADDITION WINDOW

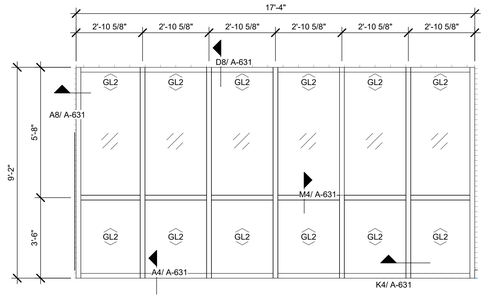


TYPE H

MAIN ENTRY

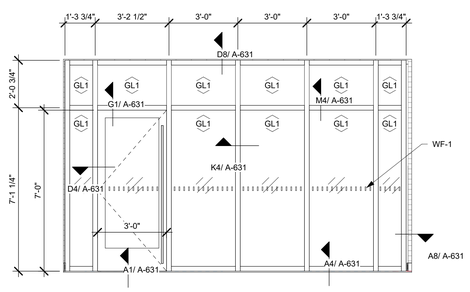
CHANGE DEPENDING ON FRAME DETAILS

REMOVED, NOT USE



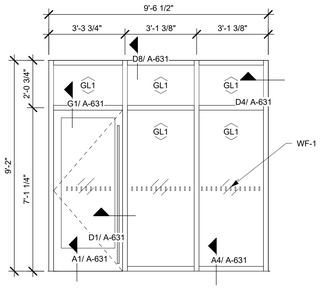
TYPE F

LAPTOP BAR STOREFRONT



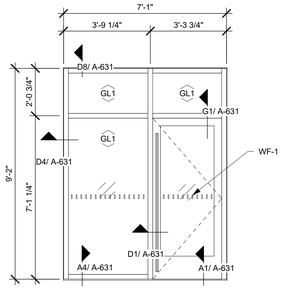
TYPE E

MEETING ROOM GLASS



TYPE D

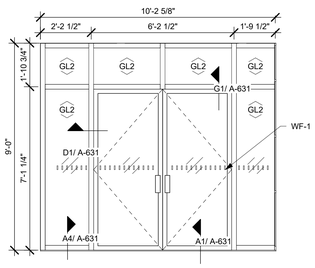
MEETING ROOM DOOR



TYPE C

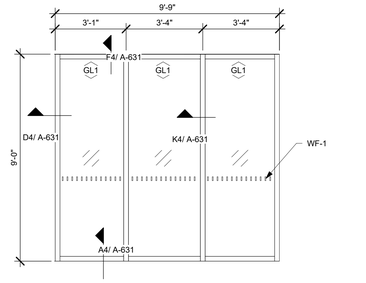
OFFICE/WORKROOM DOOR

REMOVED, NOT USED



TYPE B

CORRIDOR EXIT DOOR



TYPE A

MEETING ROOM GLASS

ARCHITECT

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286 Madison Avenue - 22nd Floor
New York, NY 10017
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www.ksq.design

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REGISTERED ARCHITECT
ARMANDO SAMUEL QUADRINI
022113
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date
1	SED ADDENDUM #2	11/12/2025

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE: As indicated

SHEET NAME:
WINDOW / SF / CW ELEVATIONS

SHEET NUMBER:
A-621

BID SET CONSTRUCTION SET

DRAWN BY: jh/hv
CHECKED BY: jh/dsilver
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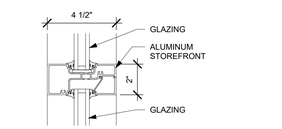
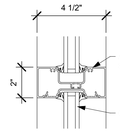
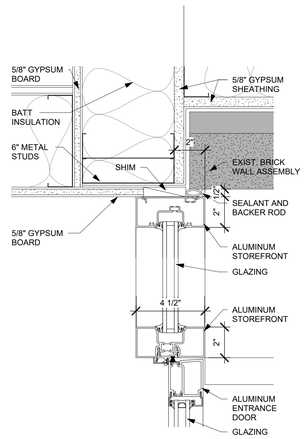


SF HORIZ MULLION M4
3" = 1'-0"



PLAN VERT MULLION M1
3" = 1'-0"

REMOVED, NOT USE



JAMB WITH SIDELITE G8
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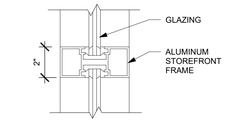

SF VERTICAL MULLION K4
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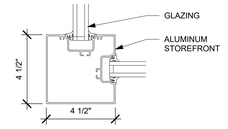

PLAN CORNER MULL K1
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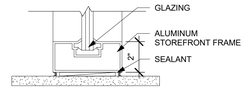

SF WINDOW SILL H4
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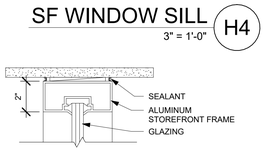

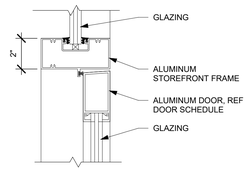

SF DOOR HEAD G1
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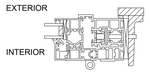
REMOVED, NOT USE



NANA WALL JAM E12
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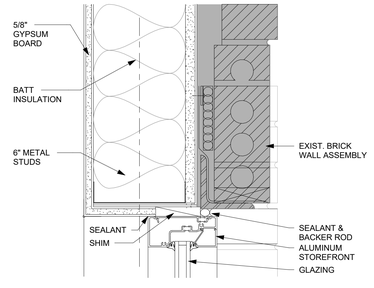

SF HEAD BRICK D8
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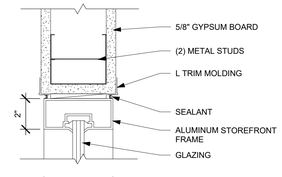

SF JAMB D4
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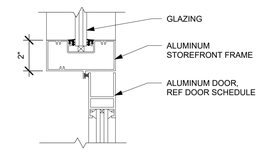

SF DOOR JAMB D1
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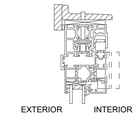

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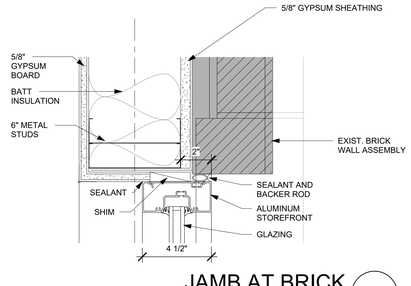
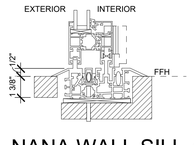
3" = 1'-0"



JAMB AT BRICK A8
3" = 1'-0"

REMOVED, NOT USE



NANA WALL SILL A12
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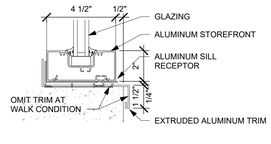

SILL A4
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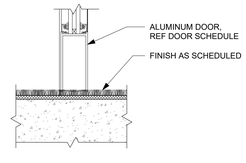

SF SILL A1
3" = 1'-0"

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REGISTERED ARCHITECT
ARMANDO SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date
1	SED ADDENDUM #2	11/12/2025

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: 3" = 1'-0"
SHEET NAME: WINDOW / SF / CW DETAILS
SHEET NUMBER: A-631

BID SET CONSTRUCTION SET

DRAWN BY: JDor
CHECKED BY: JDor
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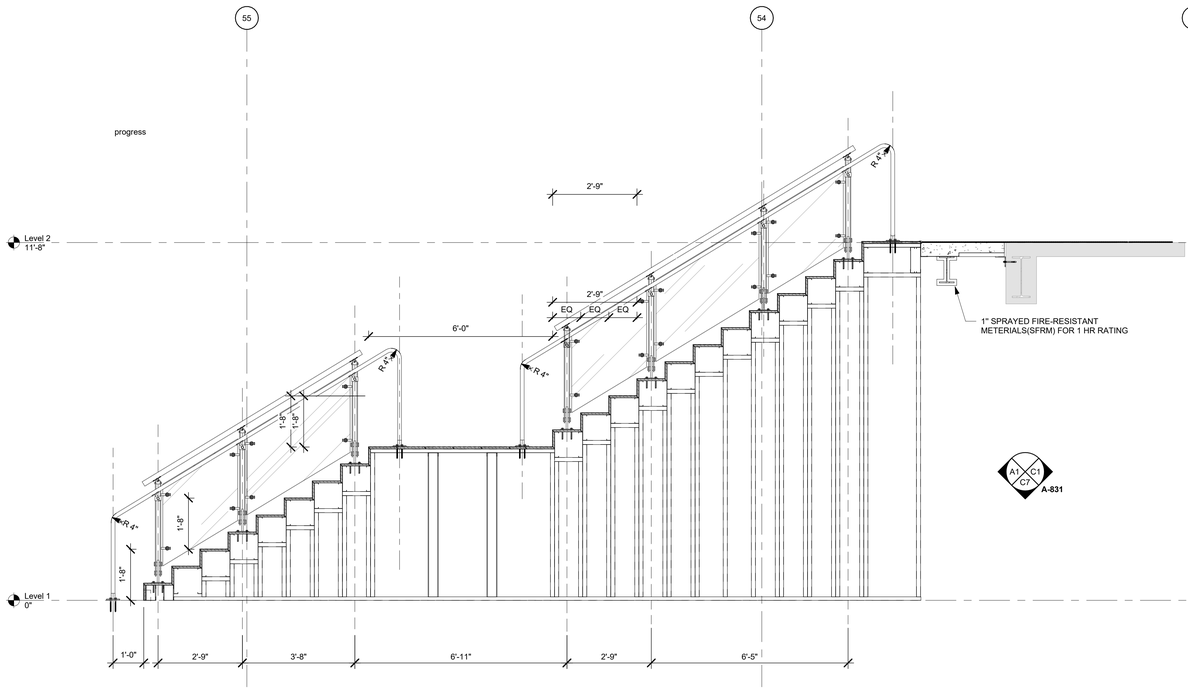
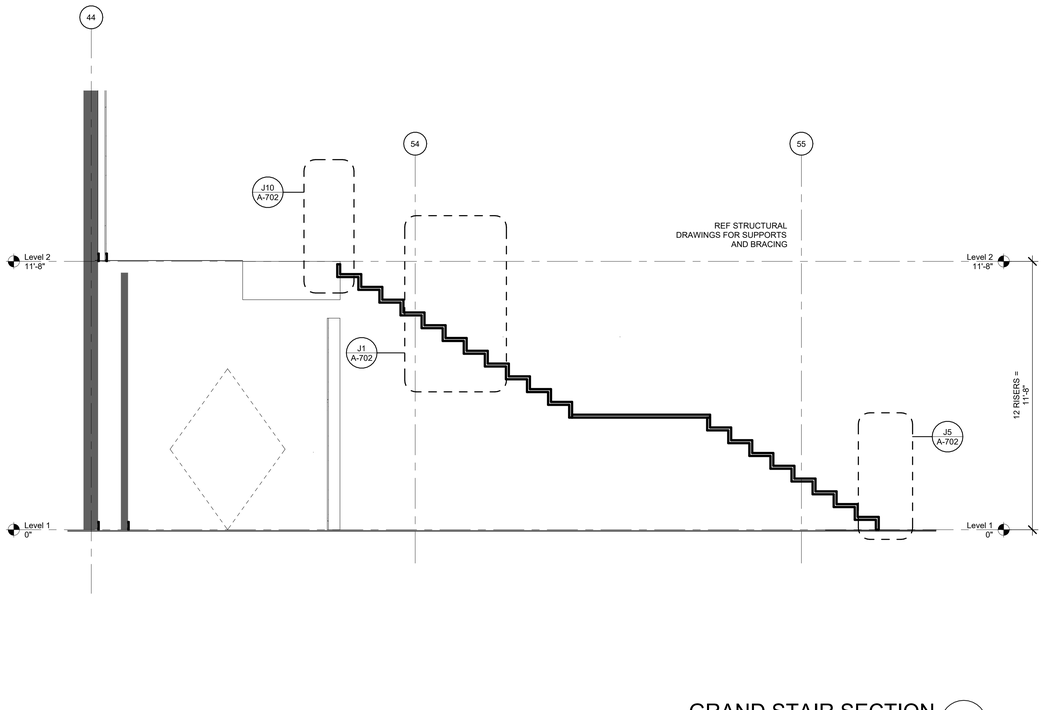
PROJECT NUMBER: 00000.00 COPYRIGHT © 2025 KSQ ARCHITECTS, PC

progress



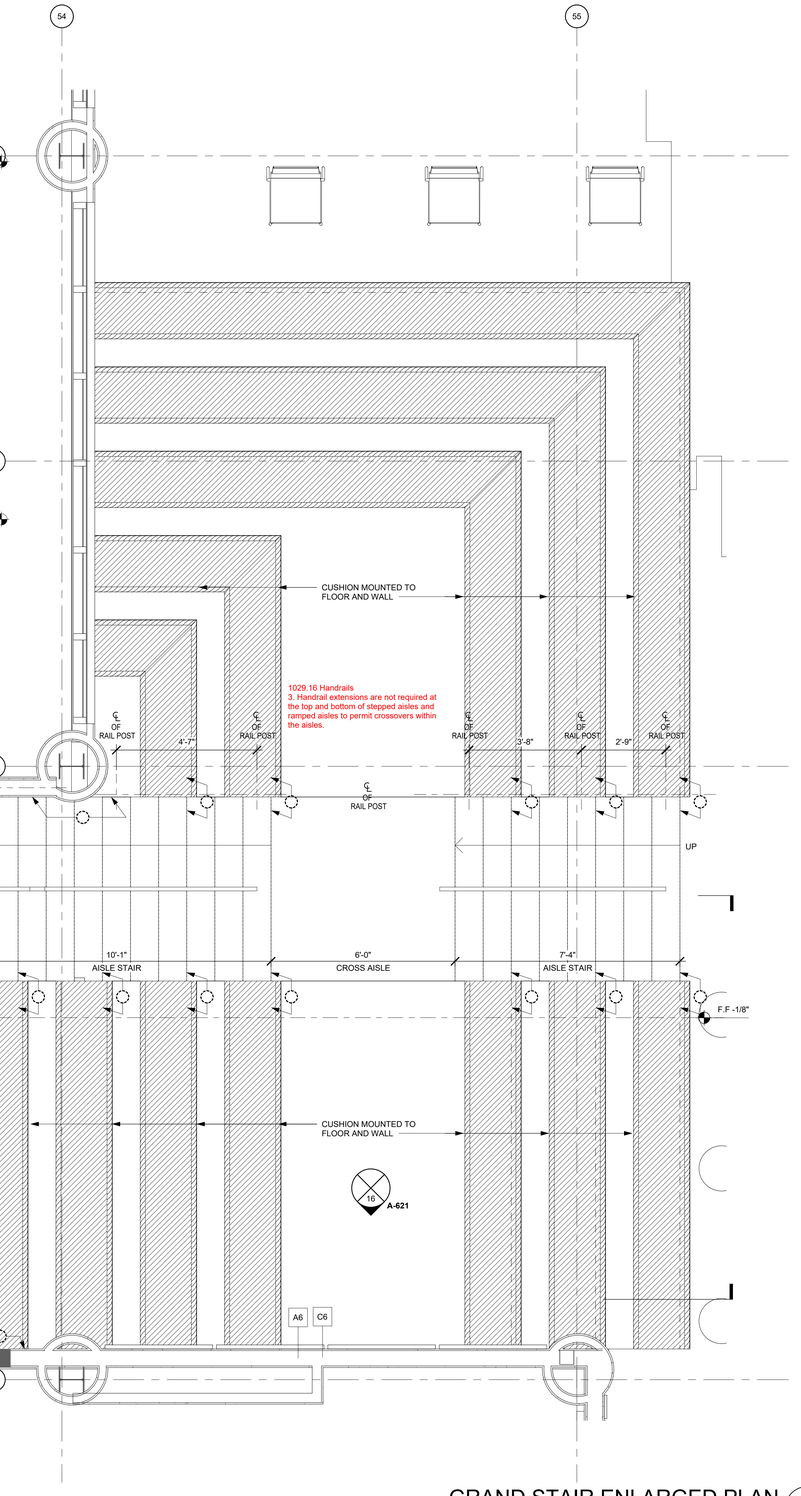
TEIRED PLATFORM 2

1/2" = 1'-0" M11



GRAND STAIR SECTION

3/8" = 1'-0" A11



GRAND STAIR ENLARGED PLAN

1/2" = 1'-0" A1

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REGISTERED ARCHITECT
ARMANDO SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date
1	SED ADDENDUM #2	11/12/2025

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE: As indicated

SHEET NAME:
STAIR & BLEACHER PLAN

SHEET NUMBER:
A-701

BID SET CONSTRUCTION SET

DRAWN BY: JH/NV
CHECKED BY: Author
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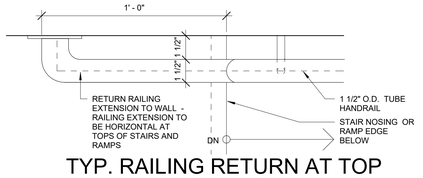
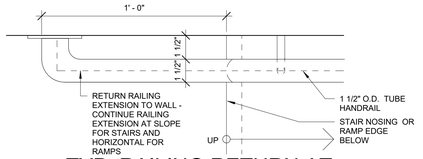


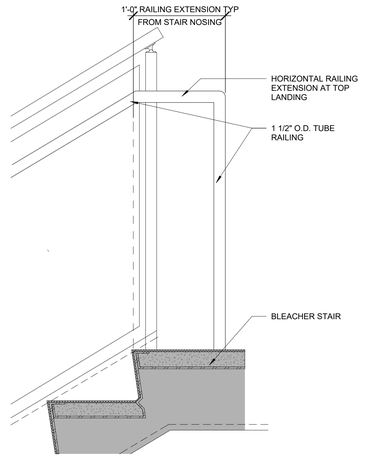
TYP. RAILING RETURN AT TOP OF STAIR/RAMP



TYP. RAILING RETURN AT BOTTOM OF STAIR/RAMP

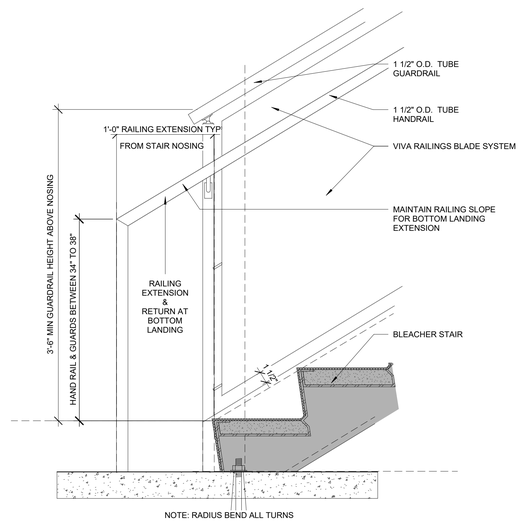
TYP RAILING RETURN DETAIL J13

3" = 1'-0"



RAILING EXTENSION AT TOP J10

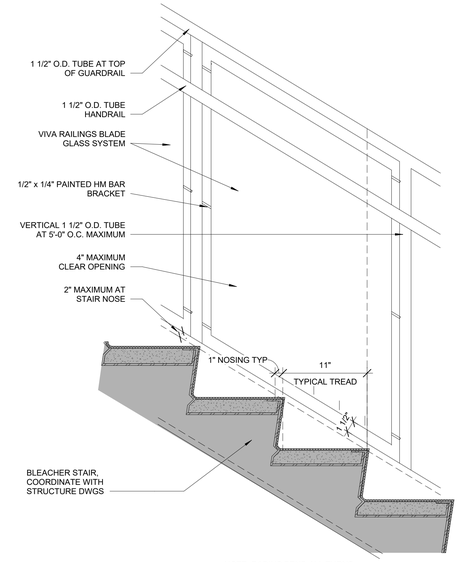
1 1/2" = 1'-0"



NOTE: RADIUS BEND ALL TURNS

RAILING EXTENSION AT BOTTOM J5

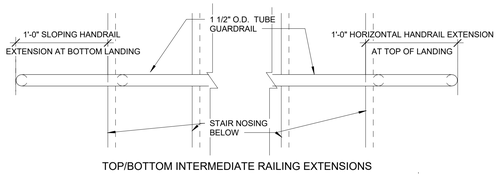
1 1/2" = 1'-0"



NOTE: RADIUS BEND ALL TURNS

STAIR VERTICAL SUPPORTS J1

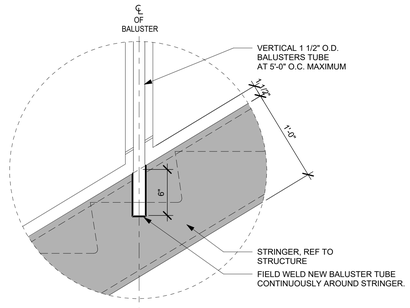
1 1/2" = 1'-0"



TOP/BOTTOM INTERMEDIATE RAILING EXTENSIONS

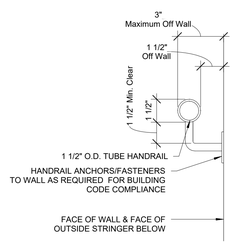
TYP RAILING EXTENSIONS F13

1 1/2" = 1'-0"



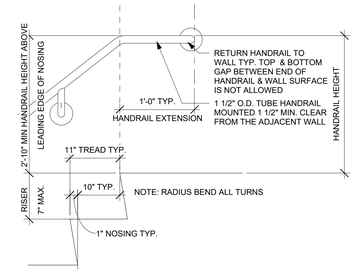
TYP BAULISTER INSTALL DETAIL F9

1 1/2" = 1'-0"



TYP CONNECTION TO WALL F6

3" = 1'-0"



TYP WALL HANDRAIL DETAIL F1

3" = 1'-0"

ARCHITECT

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286 Madison Avenue - 22nd Floor
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REGISTERED ARCHITECT ARMAND SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

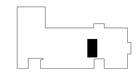
NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE: As indicated

SHEET NAME:
STAIR PLANS, SECTIONS, & DETAILS

SHEET NUMBER:

A-702

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: Author
CHECKED BY: Checker
C:\Users\tom\Documents\2054d2.99 North Rockland Central School District_Library Commons_tom4TYv2t3.rvt
2/23/2026 2:17:27 PM

PROJECT NUMBER: 00000.00

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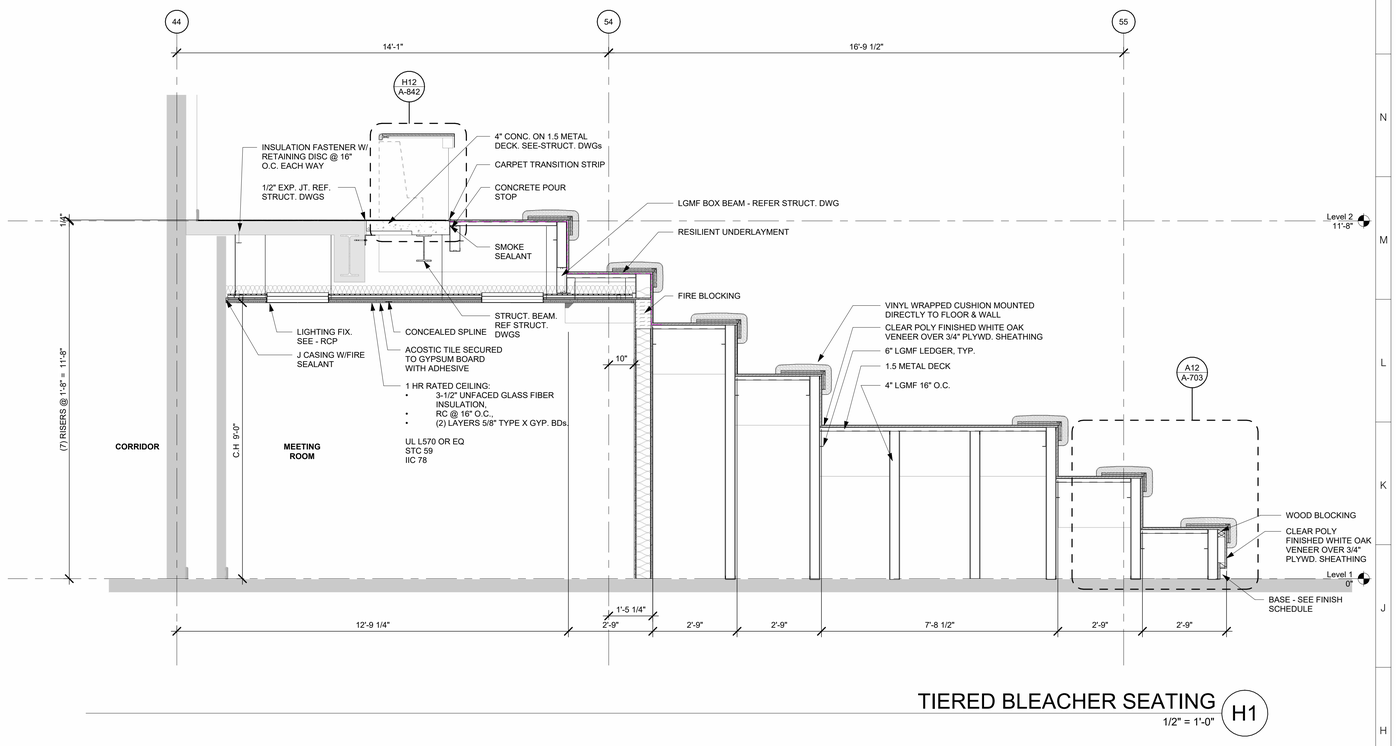
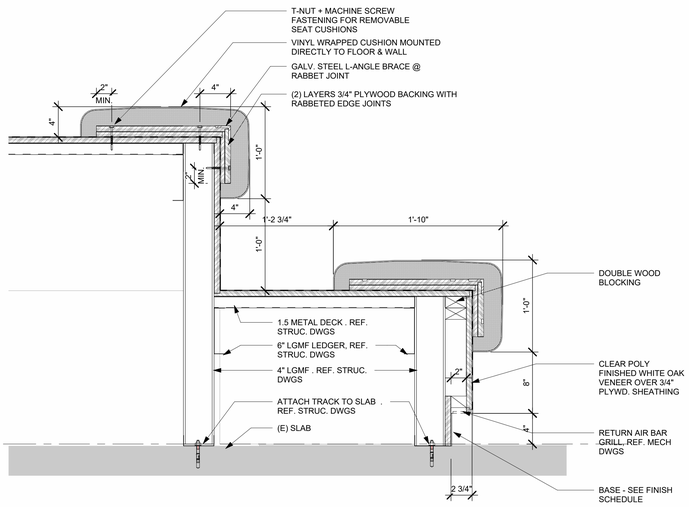
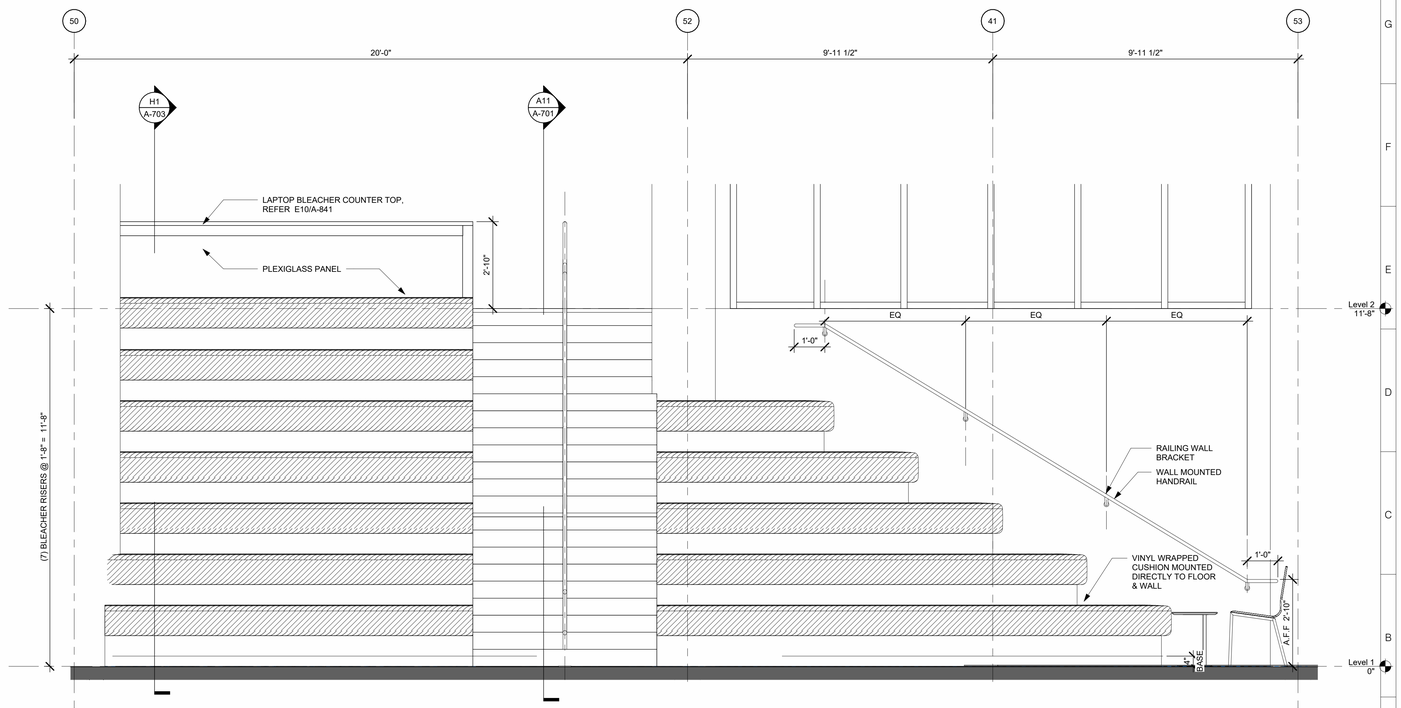


TIERED BLEACHER SEATING
1/2" = 1'-0" H1



ENLARGED TIERED BLEACHER SEATING DETAIL
1 1/2" = 1'-0" A12



FRONT ELEVATION
1/2" = 1'-0" A1

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REGISTERED ARCHITECT ARMAAD SAMUEL QUORAIN 032313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME: BLEACHER ELEVATIONS, SECTIONS, & DETAILS
SHEET NUMBER: A-703

PROGRESS SET - FOR REVIEW ONLY

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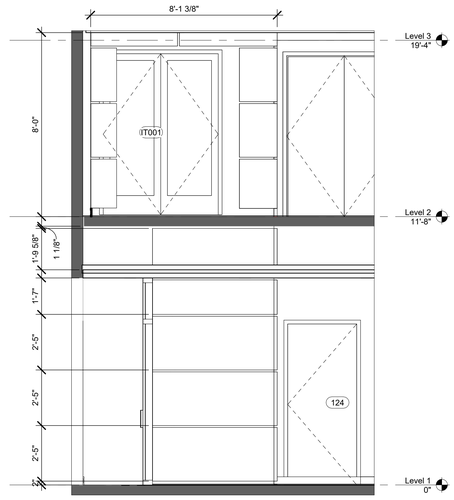
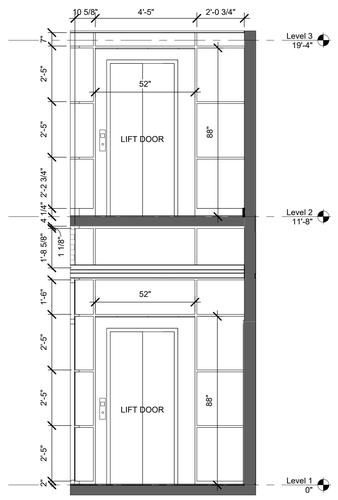
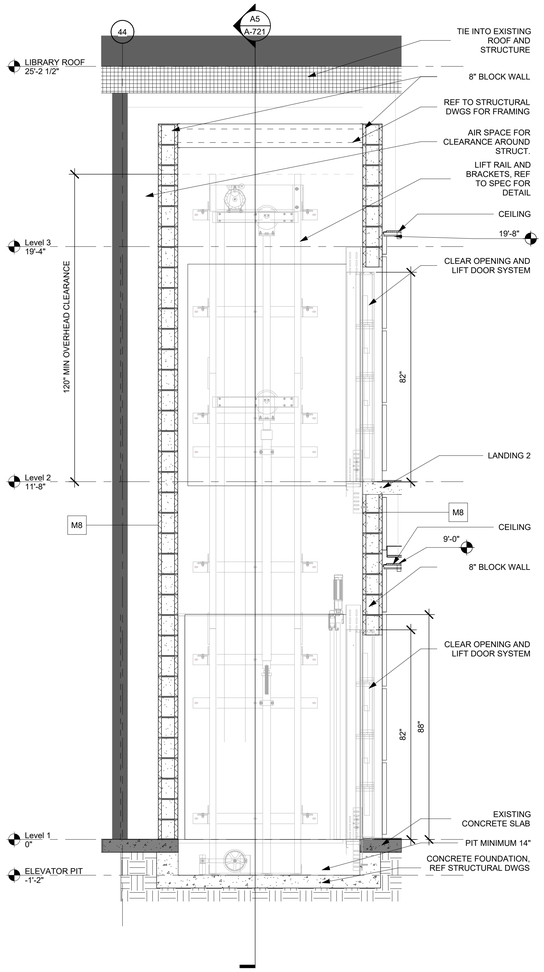


LIFT NORTH K6
3/8" = 1'-0"



LIFT WEST K1
3/8" = 1'-0"



LIFT SECTION B A11
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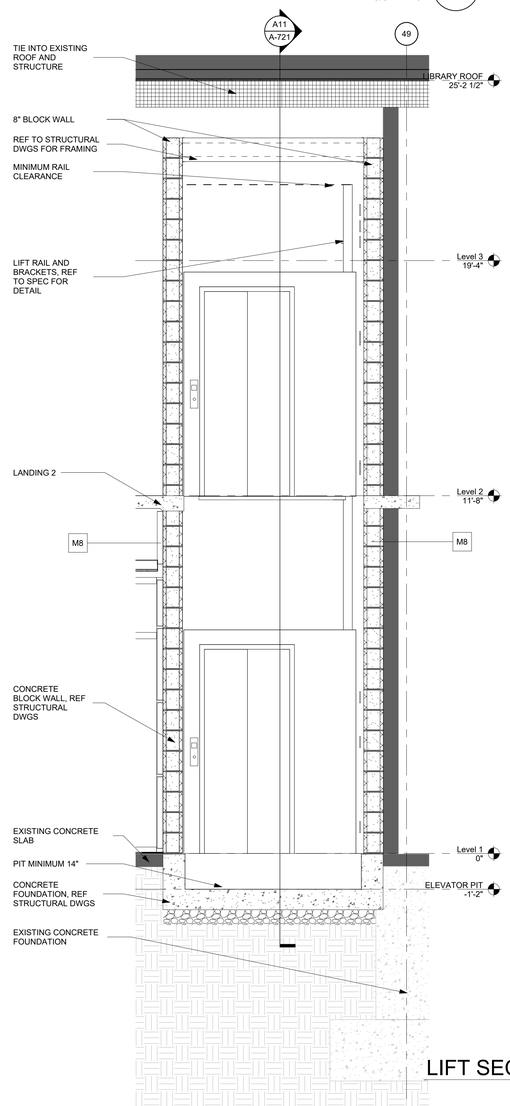

LIFT SECTION A A5
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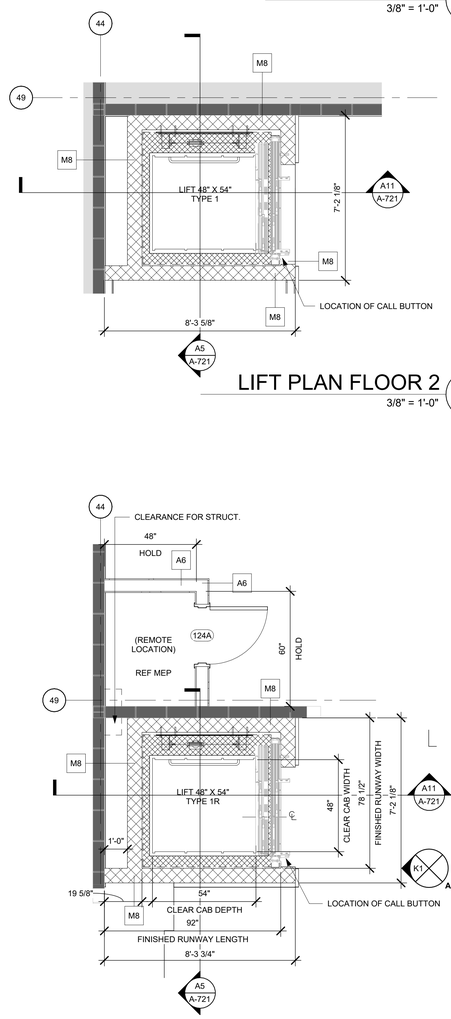

LIFT PLAN FLOOR 2 F1
3/8" = 1'-0"

LIFT PLAN FLOOR 1 A1
3/8" = 1'-0"

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REGISTERED ARCHITECT
ARMAND SAMUEL QUIJORN
022313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME:
LIFT PLANS & SECTIONS

SHEET NUMBER:
A-721

PROGRESS SET - FOR REVIEW ONLY

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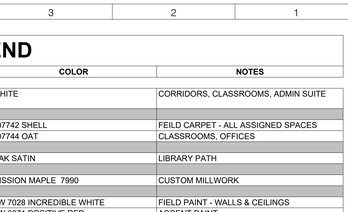
FINISH LEGEND

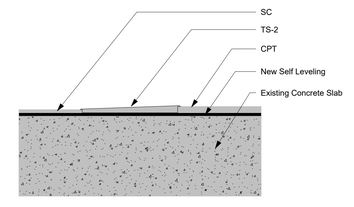
SYMBOL	MATERIAL TYPE	MANUFACTURER	PATTERN	COLOR	NOTES
ACT-1	ACCOUSTICAL CEILING TILE 24" X 24"	ARMSTRONG	FINE FISSURED 1728	WHITE	CORRIDORS, CLASSROOMS, ADMIN SUITE
CPT-1	CARPET TILE	INTERFACE	OPEN AIR 410	107742 SHELL	FEILD CARPET - ALL ASSIGNED SPACES
CPT-2	CARPET TILE	INTERFACE	OPEN AIR 410	107744 OAT	CLASSROOMS, OFFICES
LVT-1	LUXURY VINYL TILE	INTERFACE	NORTHERN GRAIN	OAK SATIN	LIBRARY PATH
PL-1	PLASTIC LAMINATE	WILSONART	HIGH PRESSURE LAMINATE	MISSION MAPLE 7990	CUSTOM MILLWORK
PT-1	PAINT	SHERWIN WILLIAMS	-	SW 7028 INCREDIBLE WHITE	FIELD PAINT - WALLS & CEILINGS
PT-2	PAINT	SHERWIN WILLIAMS	-	SW 6871 POSITIVE RED	ACCENT PAINT
SC-1	SEALED CONCRETE	-	-	-	STORAGE SPACES
SS-1	SOLID SURFACE	WILSONART	SOLID	FROSTY WHITE 1573SL	LIBRARY COUNTERS
TS-1	TRANSITION STRIP, METAL	SCHLUTER	SCHLUTER-SCHIENE	BRONZE	CPT TO BLEACHER
TS-2	TRANSITION STRIP, RUBBER	SCHLUTER	SCHLUTER-SCHIENE	ALUM	CPT TO SC
TS-3	TRANSITION STRIP, RUBBER	JOHNSONITE	CTA-32-Y	32 PEBBLE	CPT TO CPT
TXT-1	TEXTILE	MAHARAM	BLUFF	033 FLAMENCO	BLEACHER SEAT FABRIC
WB-1	4" WOODEN BASE	CUSTOM MILLWORK	BEVELED EDGE PRIMED	1 1/2" ASH	INSTALLED W/ NAILS AND MITERED CORNERS, STAINED TO MATCH OTHER WOOD
WB-2	RUBBER WALL BASE	JOHNSONITE	BASEWORKS 4" TOE	178 IRONSTONE	STORAGE SPACES WALL BASE
WD-1	WOOD	ARMSTRONG	WOODWORKS TORSION SPRING	RIFT WHITE OAK	CEILING CLOUDS
WD-2	WOOD	ARMSTRONG	WOODWORKS WALLS	RIFT WHITE OAK	CLASSROOM, LIFT, AND OPEN COMMONS EXTERIOR
WD-3	WOOD VENEER	-	CLEAR WATER-BASED POLY FINISH	WHITE OAK	BLEACHER FINISH
WF-1	WINDOW FILM	CR LAURENCE	CRL FLOATING RECTANGLES SAFETY DECAL	010332	INTERIOR STOREFRONT
WG-1	VINYL WALL GRAPHIC	TUMEN, INC	SCHOOL LOGO	RED, BLACK, AND WHITE	WALL ON TOP OF BLEACHERS

ROOM FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
123	LIBRARY	CPT-1	WB-1	PT-1, PT-2	PT-1, WD-1	
123A	MEETING	CPT-2	WB-1	PT-1, PT-2	ACT-1	
123B	MEETING	CPT-2	WB-1	PT-1, PT-2	ACT-1	
123C	MEETING	CPT-2	WB-1	PT-1, PT-2	ACT-1	
123D	MEETING	CPT-2	WB-1	PT-1, PT-2	ACT-1	
123E	MEETING	CPT-2	WB-1	PT-1, PT-2	ACT-1	
123F	MEETING ROOM	CPT-2	WB-1	PT-1, PT-2	ACT-1	
124	STORAGE	SC-1	WB-2	PT-1	ACT-1	
124A	MECH ROOM	SC-1	WB-2	PT-1	-	
125A	MEETING	CPT-2	WB-1	PT-1, PT-2	ACT-1	
125B	OFFICE/BREAK	CPT-2	WB-1	PT-1, PT-2	ACT-1	
126A	OFFICE 1	CPT-1	WB-1	PT-1	ACT-1	
126B	OFFICE 2	CPT-1	WB-1	PT-1	ACT-1	
127A	COMPUTER LAB	CPT-1	WB-1	PT-1, PT-2	PT-1, WD-1	
127B	STACK AREA	CPT-1	WB-1	PT-1, PT-2	PT-1, WD-1	
134B	IT CLOSET	SC-1	WB-2	PT-1	PT-1	
134C	MECH	SC-1	WB-2	PT-1	-	
153	CORRIDOR	-	-	-	-	
D-1	DESK AREA					
D-2	Room					
D-3	CLOSET					
D-4	CLOSET					
L-123	LULA LIFT	-	-	-	-	
L-123	LULA LIFT	-	-	-	-	



CPT TO BLEACHER 3
3" = 1'-0"



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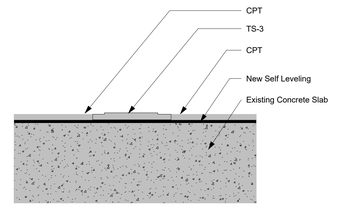

CPT TO CPT 1
3" = 1'-0"

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REGISTERED ARCHITECT ARMAND SAMUEL QUORIN 022313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

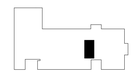
NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE: 3" = 1'-0"

SHEET NAME:
INTERIOR FINISH SCHEDULES

SHEET NUMBER:
A-801

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: JohnV
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WINDOW TREATMENT LEGEND

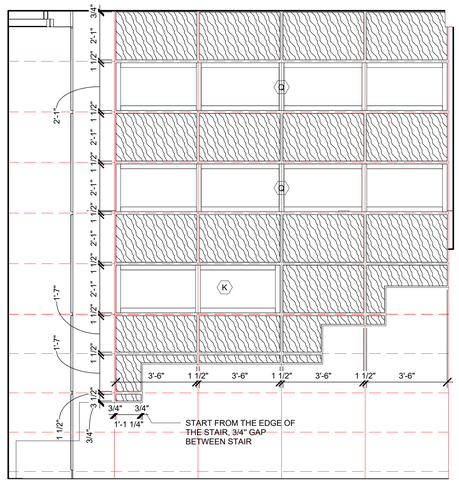
WS-1	MANUAL ROLLER SHADE W/ SINGLE ROLLER MECHOSHADES	MECHO / 5 SYSTEM - SOHO 1600 SERIES - 3% OPENNESS	MAX. 10' -6" WIDTH
WS-2	MOTORIZED ROLLER SHADE W/ BLACKOUT SHADE CLOTH	MECHO ELECTROSHADE SYSTEM - EQUINOX BLACKOUT 0100 SERIES- 0% OPENNESS	MAX. 8' -4" WIDTH
NOTE: SEE SPEC FOR MORE INFOMATION			

FLOOR FINISH LEGEND

CPT-1 SC-1

CPT-2 LVT-1

NOTE:
CONTRACTOR TO COORDINATE FLOORING PATTERN TRANSITIONS WITH ARCHITECT PRIOR TO INSTALLATION.

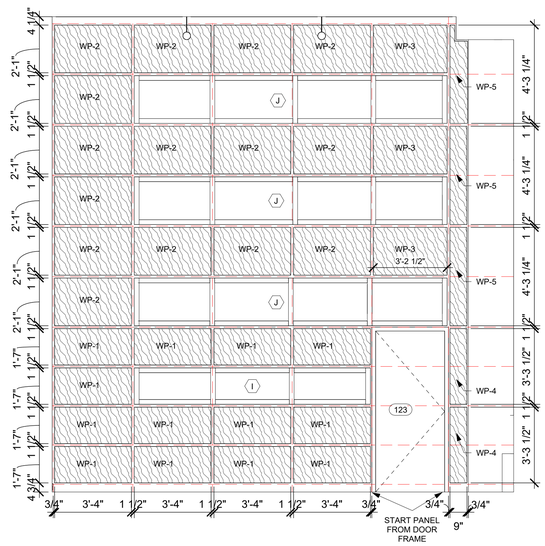


LIBRARY SOUTH - WOOD PANEL (H14)

3/8" = 1'-0"

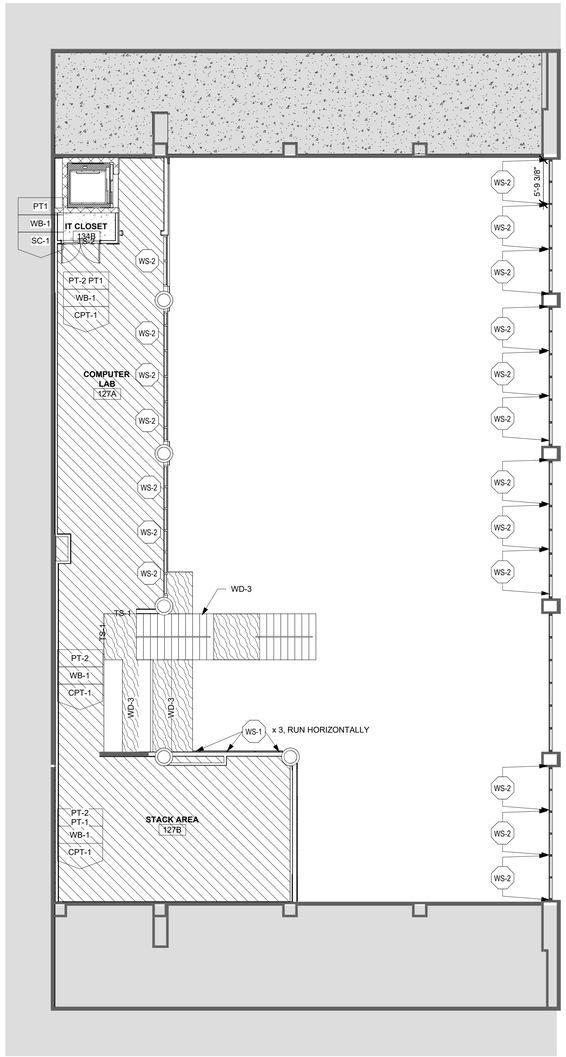
WOOD PANEL SIZE LEGEND

WP - 1	3' - 4" x 1' - 7"
WP - 2	3' - 4" x 2' - 1"
WP - 3	3' - 2 1/2" x 2' - 1"
WP - 4	9" x 3' - 3 1/2"
WP - 5	9" x 4' - 3 1/4"



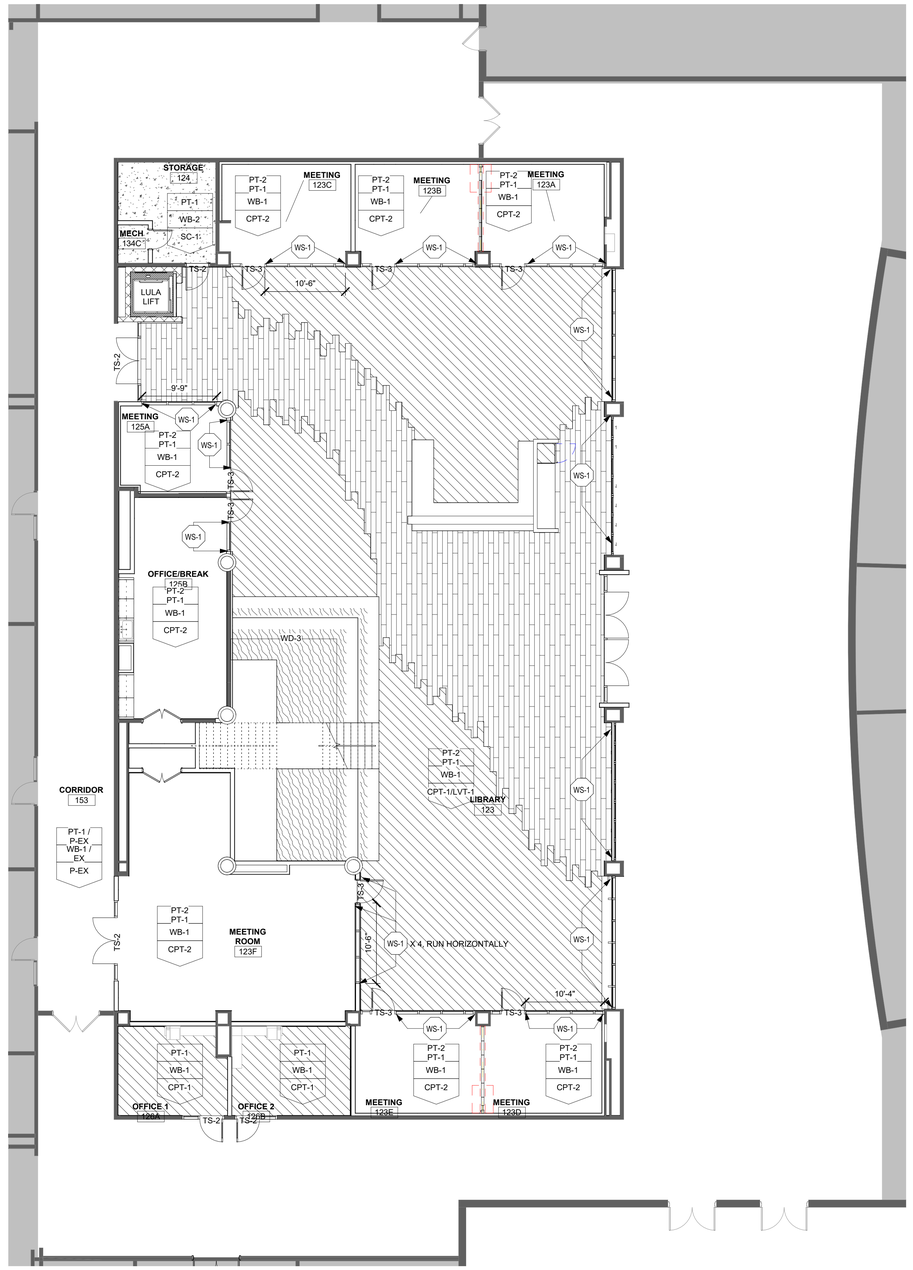
LIBRARY WEST WOOD PANEL (A14)

3/8" = 1'-0"



LIBRARY PLAN - MEZZANINE (A9)

1/8" = 1'-0"



LIBRARY PLAN - LEVEL 1 (A1)

1/8" = 1'-0"

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REGISTERED ARCHITECT ARMANDO SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date
1	SED ADDENDUM #2	11/12/2025

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE: As indicated

SHEET NAME:
FINISH PLANS

SHEET NUMBER:

A-811

BID SET CONSTRUCTION SET

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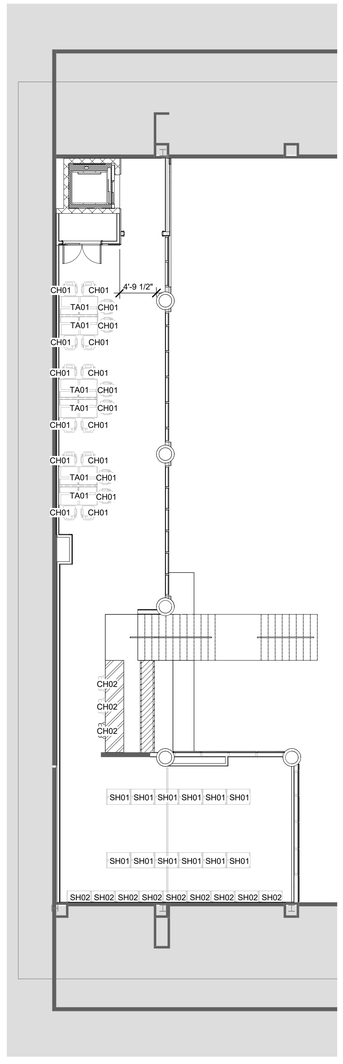
FURNITURE SCHEDULE

ITEM NO	QTY	TYPE	FURNITURE	MANUFACTURER
CH01	18	ACCENT SIDE CHAIR		Steelcase
CH02	3	TASK CHAIR		Steelcase
CH03	12	LOUNGE CHAIR		AGATI INC
CH04	10	OTTOMAN SEATING		AGATI INC
CH05	80	SIDE CHAIR		Steelcase
CH06	14	BAR HEIGHT CHAIR		AGATI INC
CH07	10	DESK CHAIR		Steelcase
CH08	17	ACCENT SIDE CHAIR		Coalesse
SH01	43	DOUBLE SIDED SHELF		KI, Inc.
SH02	9	SINGLE SIDED SHELF		KI, Inc.
TA01	6	COMPUTER DESK		Steelcase
TA02	6	LOUNGE TABLE		KI, Inc.
TA03	5	OTTOMAN TABLE		AGATI INC
TA04	8	OFFICE DESK		Steelcase
TA05	9	ACCENT/BLEACHER TABLE		Bolia
TA06	2	COMPUTER BAR		AGATI
TA07	31	CONFERENCE TABLE		Steelcase

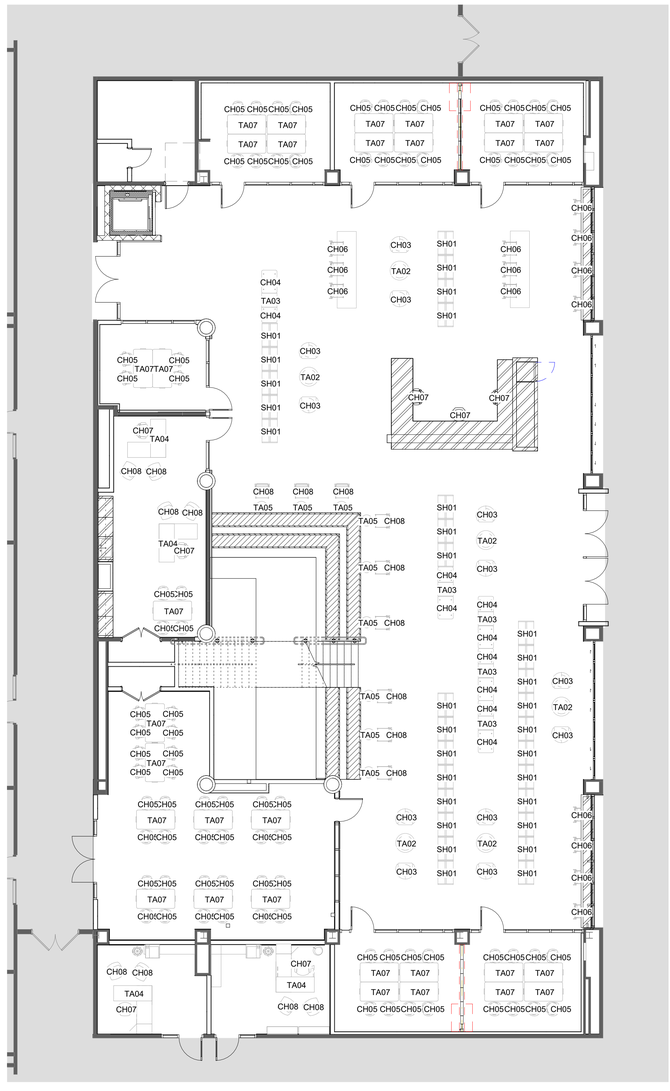
GENERAL NOTE: PROPOSED FURNITURE PLANS, FOR USE BY THE FURNITURE VENDOR TO RELAY DESIGN INTENT.

GENERAL NOTE: FURNITURE WILL COMPLY WITH MPS S203. All UPHOLSTERED FURNITURE MUST MEET INTERIOR FINISH AND FLAMMABILITY STANDARDS FOR COMMERCIAL INSTALLATIONS. THE SCHOOL DISTRICT IS RESPONSIBLE FOR THE COMPLIANCE OF EACH INSTALLATION. THE PEAK RATE OF HEAT RELEASE SHALL NOT EXCEED 80KW WHEN TESTED IN ACCORDANCE WITH ASTM E1537 OR CALIFORNIA TECHNICAL BULLETIN 133.

ALL FURNITURE PROVIDE BY G.C.



LIBRARY FURNITURE PLAN - MEZZANINE A12
1/8" = 1'-0"



LIBRARY FURNITURE PLAN - LEVEL 1 A5
1/8" = 1'-0"

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REGISTERED ARCHITECT ARMAND SAMUEL QUIJORNA 022313 STATE OF NEW YORK

EXP. DATE: 03/31/2028

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106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: 1/8" = 1'-0"
SHEET NAME: FURNITURE PLANS
SHEET NUMBER: A-822

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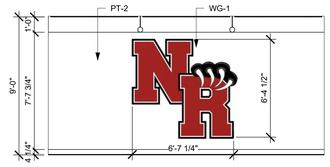
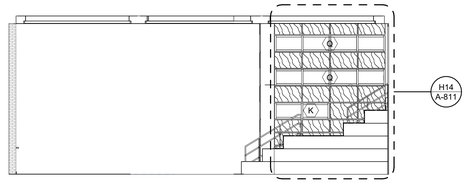
LIBRARY NORTH M9
1/8" = 1'-0"

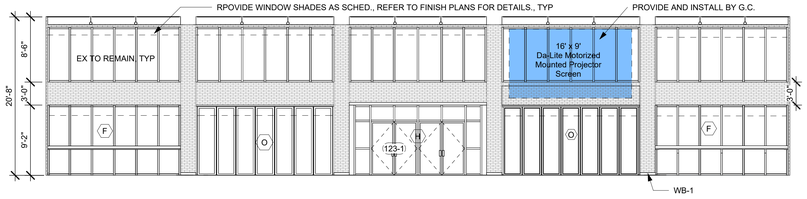
LIBRARY WEST M1
1/8" = 1'-0"



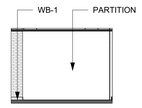
WALL GRAPHIC DETAIL K13
1/4" = 1'-0"



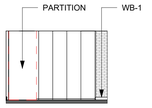
LIBRARY SOUTH K9
1/8" = 1'-0"



LIBRARY EAST K1
1/8" = 1'-0"



CONF ROOM WEST H13
1/8" = 1'-0"



CONF ROOM EAST H10
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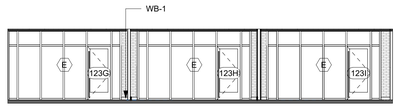

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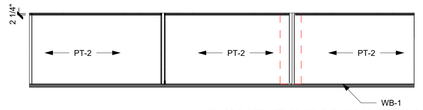
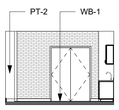
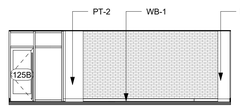


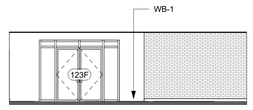
CONF ROOM NORTH H1
1/8" = 1'-0"



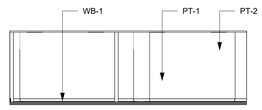
LIBRARY OFFICE SOUTH G16
1/8" = 1'-0"



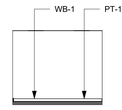
LIBRARY OFFICE EAST G13
1/8" = 1'-0"



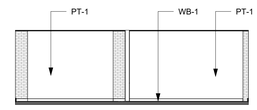
CLASSROOM WEST G10
1/8" = 1'-0"



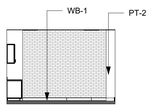
CLASSROOM SOUTH G7
1/8" = 1'-0"



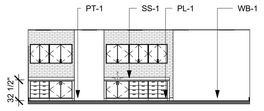
OFFICE SUITE EAST G5
1/8" = 1'-0"



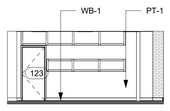
OFFICE SUITE NORTH G1
1/8" = 1'-0"



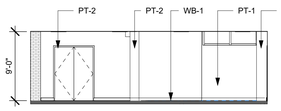
LIBRARY OFFICE NORTH E16
1/8" = 1'-0"



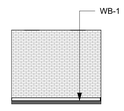
LIBRARY OFFICE WEST E13
1/8" = 1'-0"



CLASSROOM EAST E10
1/8" = 1'-0"

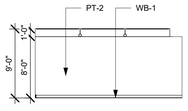


CLASSROOM NORTH E7
1/8" = 1'-0"

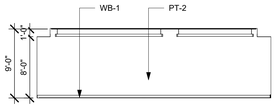


OFFICE SUITE WEST E5
1/8" = 1'-0"

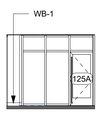
OFFICE SUITE SOUTH E1
1/8" = 1'-0"



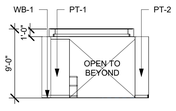
MEZZ SEATING WEST C16
1/8" = 1'-0"



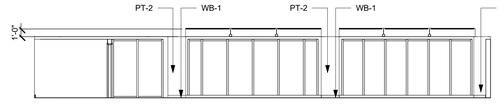
MEZZ SEATING SOUTH C13
1/8" = 1'-0"



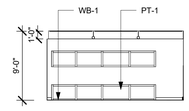
BACK MEETING EAST C10
1/8" = 1'-0"



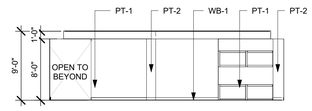
COMPUTER LAB SOUTH C7
1/8" = 1'-0"



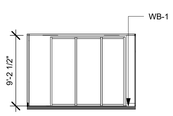
COMPUTER LAB EAST C1
1/8" = 1'-0"



MEZZ SEATING EAST A16
1/8" = 1'-0"



MEZZ SEATING NORTH A13
1/8" = 1'-0"



BACK MEETING NORTH A10
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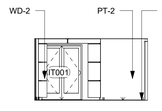
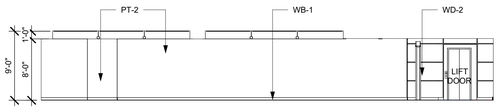


COMPUTER LAB NORTH A7
1/8" = 1'-0"



COMPUTER LAB WEST A1
1/8" = 1'-0"

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REGISTERED ARCHITECT
ARMAND SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME: INTERIOR ELEVATIONS
SHEET NUMBER: A-831

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: JA/DV
CHECKED BY: JA/DV
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2/23/2026 2:17:49 PM

PROJECT NUMBER: 00000.00
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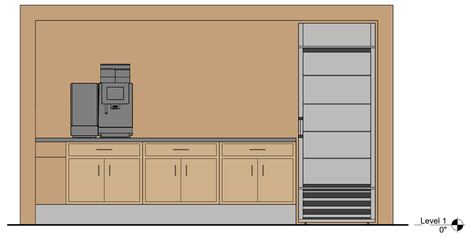
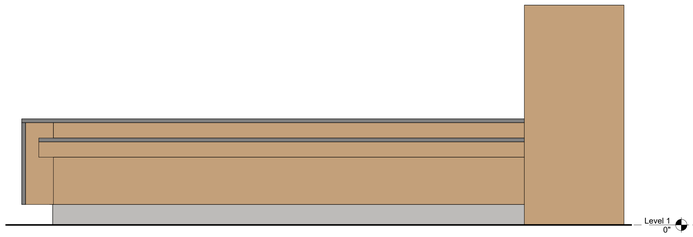


ELEV CIRC DESK "F" M15
1/2" = 1'-0"



ELEV CIRC DESK "E" M9
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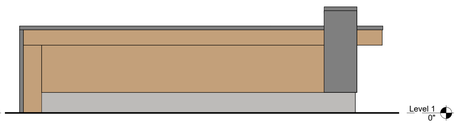

ELEV CIRC DESK "D" M6
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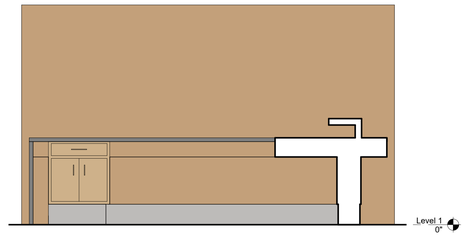

ELEV CIRC DESK "C" J15
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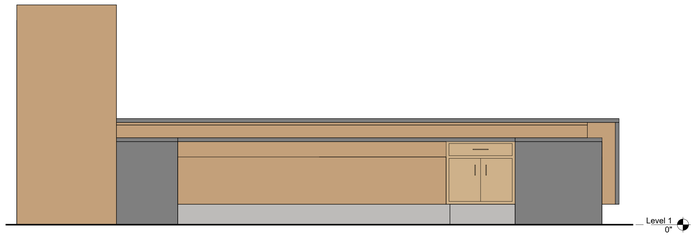

ELEV CIRC DESK "B" J9
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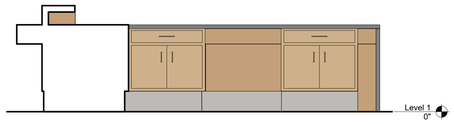

ELEV CIRC DESK "A" J6
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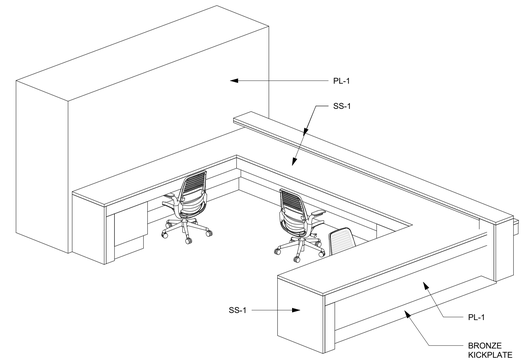
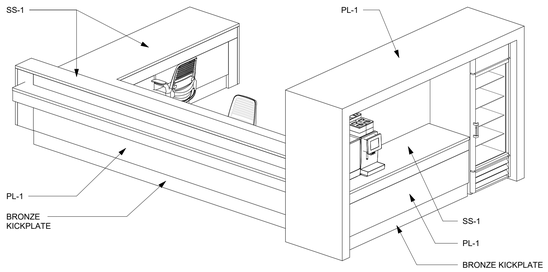
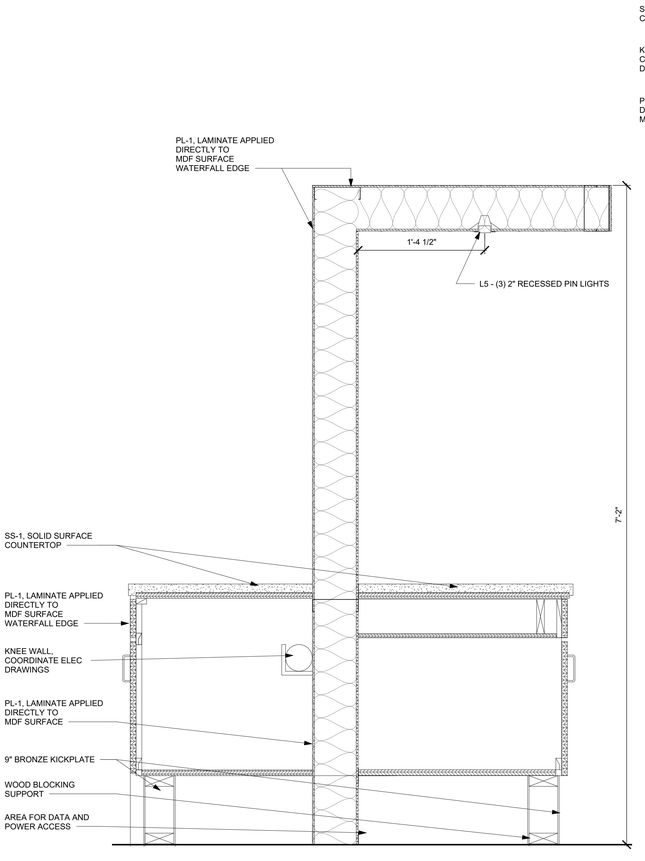


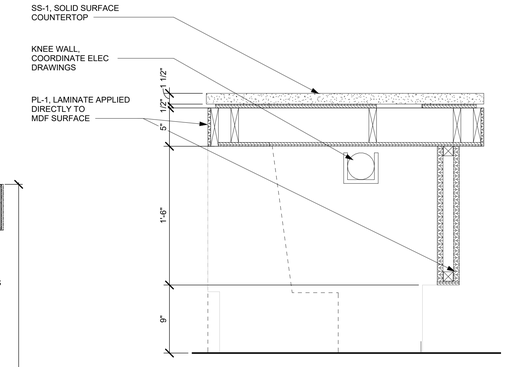
BACK OF DESK 3D M1



FRONT OF DESK 3D H1



CIRC DESK "E" A13
1 1/2" = 1'-0"



CIRC DESK "D" E9
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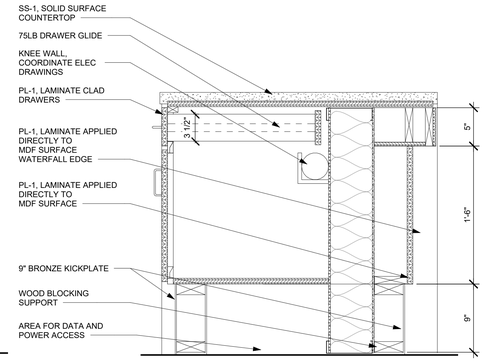

CIRC DESK "C" E5
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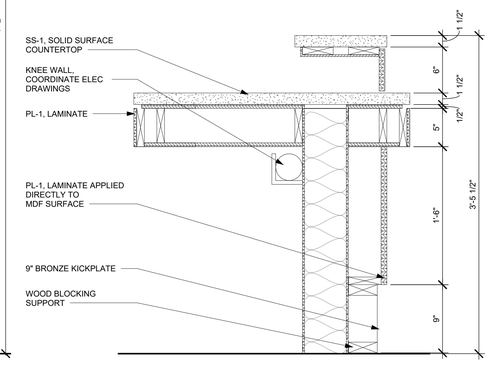

CIRC DESK "B" A9
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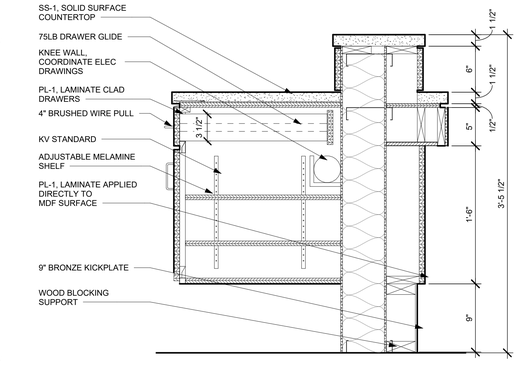
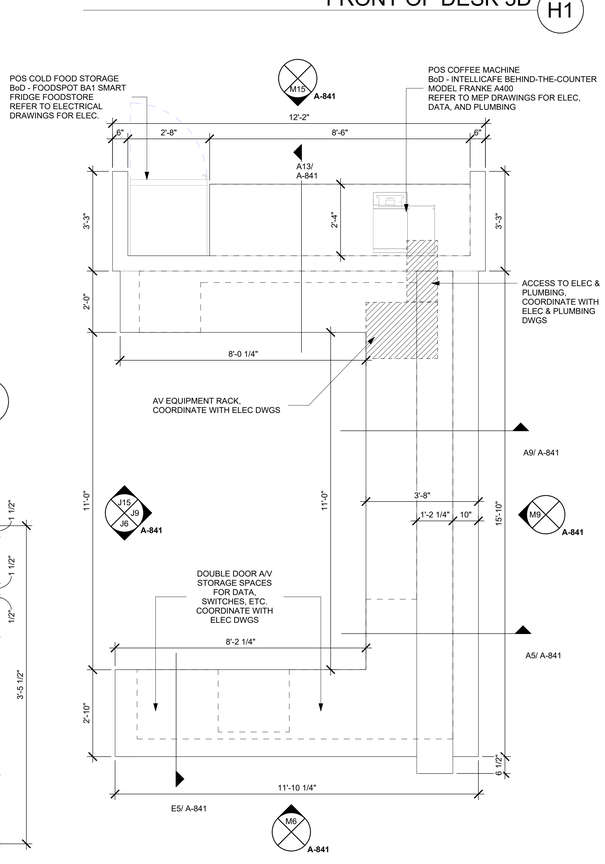


CIRC DESK "A" A5
1 1/2" = 1'-0"



CIRCULATION DESK MILLWORK A1
1/2" = 1'-0"

ARCHITECT

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STATE OF NEW YORK

EXP. DATE: 03/31/2028

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106 Hammond Rd,
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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE: As indicated

SHEET NAME:
MILLWORK & CASEWORK SECTIONS

SHEET NUMBER:

A-841

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY JA/NV
CHECKED BY Author
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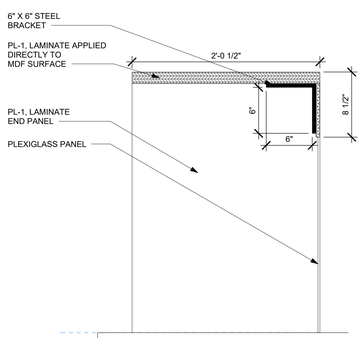
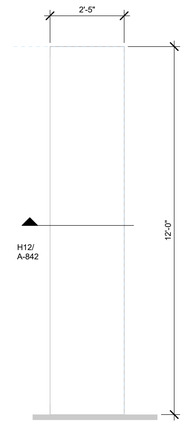
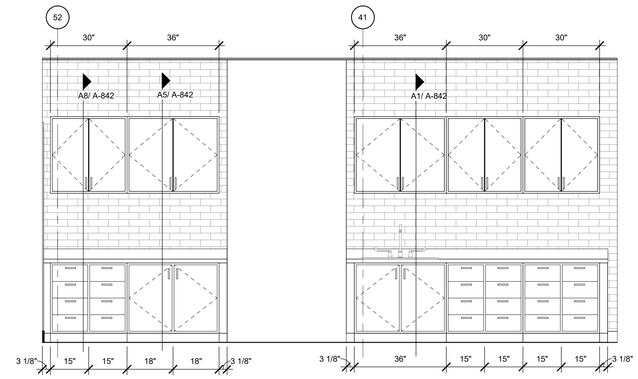
PROJECT NUMBER: 00000.00 COPYRIGHT © 2025 KSQ ARCHITECTS, PC



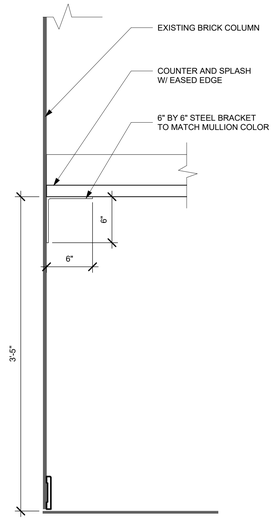
LAPTOP BLEACHER DESK H12
1 1/2" = 1'-0"



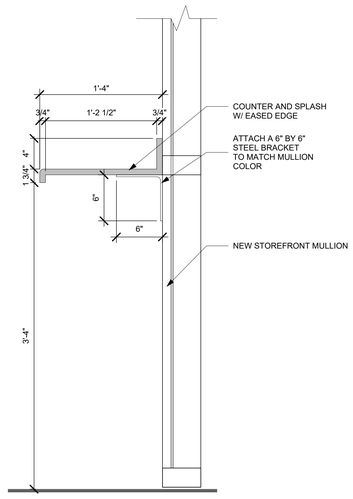
BLEACHER TA DESK H8
1/2" = 1'-0"



WORKROOM MILLWORK H1
1/2" = 1'-0"



LAPTOP BRACKET BRICK COLUMN A15
1 1/2" = 1'-0"



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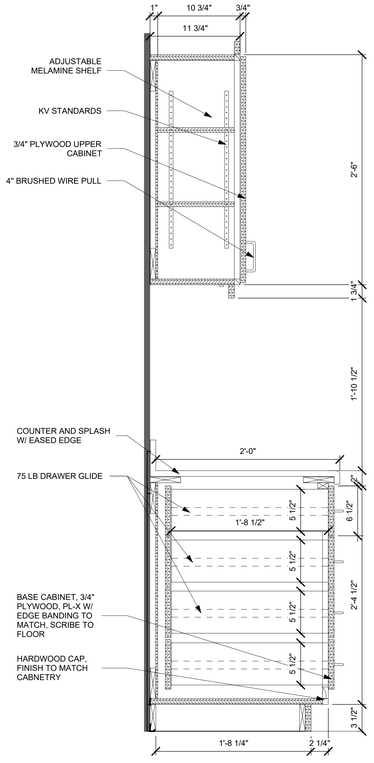
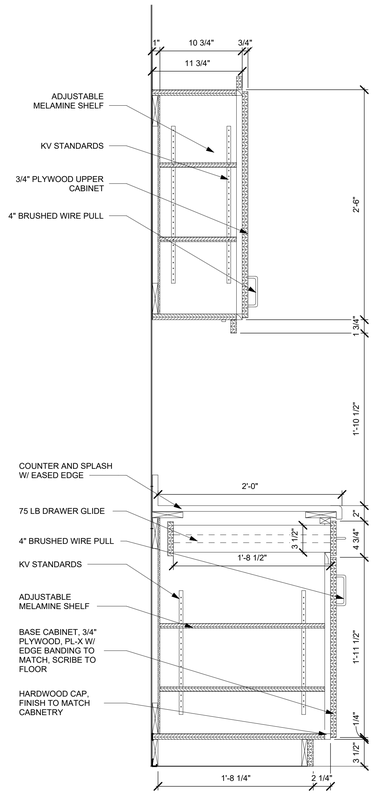
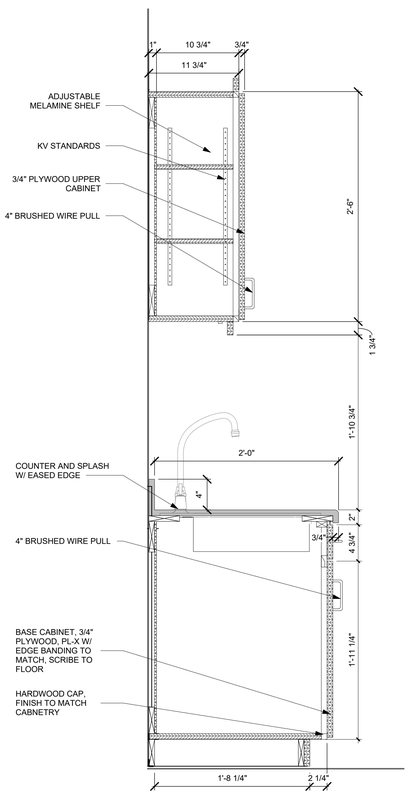
1 1/2" = 1'-0"



DRAWER MILLWORK SECTION A8
1 1/2" = 1'-0"



WORKROOM MILLWORK SECTION A5
1 1/2" = 1'-0"



SINK MILLWORK SECTION A1
1 1/2" = 1'-0"

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REGISTERED ARCHITECT
ARMAND SAMUEL QUORIN
022313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE: As indicated

SHEET NAME:
MILLWORK & CASEWORK SECTIONS

SHEET NUMBER:

A-842

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SIGNAGE SCHEDULE

ROOM NUMBER/NAME SIGN TYPE	Room: Name	OCCUPANCY TYPE	Count	COMMENTS
123	LIBRARY		GROUP A-3	
123A	MEETING		GROUP A-3	
123B	MEETING		GROUP A-3	
123C	MEETING		GROUP A-3	
123D	MEETING		GROUP A-3	
123E	MEETING		GROUP A-3	
123F	MEETING ROOM		GROUP E	
124	STORAGE		GROUP S-1	
124A	MECH ROOM			
125A	MEETING		GROUP A-3	
125B	OFFICE/BREAK		GROUP B	
126A	OFFICE 1		GROUP B	
126B	OFFICE 2		GROUP B	
127A	COMPUTER LAB		GROUP E	
127B	STACK AREA		GROUP A-3	
134B	IT CLOSET			
134C	MECH			
153	CORRIDOR			
D-1	DESK AREA		GROUP A-3	
D-2	Room			
D-3	CLOSET			
D-4	CLOSET			
L-123	LULA LIFT			
L-123	LULA LIFT			
S-1	STACK AREA		GROUP A-3	
S-2	STACK AREA		GROUP A-3	
S-3	STACK AREA		GROUP A-3	
S-4	STACK AREA		GROUP A-3	
S-5	STACK AREA		GROUP A-3	
S-6	STACK AREA		GROUP A-3	

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REGISTERED ARCHITECT
ARMAND SAMUEL QUORIN
022313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE:

SHEET NAME:
SIGNAGE SCHEDULE

SHEET NUMBER:
A-851

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APPROVED: Peter
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DESIGNER NOTE
MINIMUM CODE REQUIRED SIGNAGE - VERIFY STANDARD AS SHOWN OR CUSTOM USE SIGN TAG ON PLAN TO INDICATE TYPES

Table 703.2.4—Visual Character Height

Height above Floor to Baseline of Character	Horizontal Viewing Distance	Minimum Character Height
40 inches (1015 mm) to less than or equal to 70 inches (1780 mm)	Less than 6 feet (1830 mm)	5/8 inch (16 mm)
	6 feet (1830 mm) and greater	5/8 inch (16 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 6 feet (1830 mm)
Greater than 70 inches (1780 mm) to less than or equal to 120 inches (3050 mm)	Less than 15 feet (4570 mm)	2 inches (51 mm)
	15 feet (4570 mm) and greater	2 inches (51 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 15 feet (4570 mm)
Greater than 120 inches (3050 mm)	Less than 21 feet (6400 mm)	3 inches (76 mm)
	21 feet (6400 mm) and greater	3 inches (76 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 21 feet (6400 mm)

Table 703.4.3— Braille Dimensions

Measurement range	Minimum in inches Maximum in inches
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6 mm)
Distance between two dots in the same cell	0.090 (2.3 mm) to 0.100 (2.5 mm)
Distance between corresponding dots in adjacent cells[1]	0.241 (6.1 mm) to 0.300 (7.6 mm)
Dot height	0.025 (0.6 mm) to 0.037 (0.9 mm)
Distance between corresponding dots from one cell directly below	0.395 (10.0 mm) to 0.400 (10.2 mm)

[1]Measured center to center

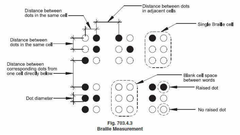
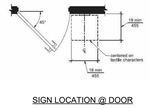
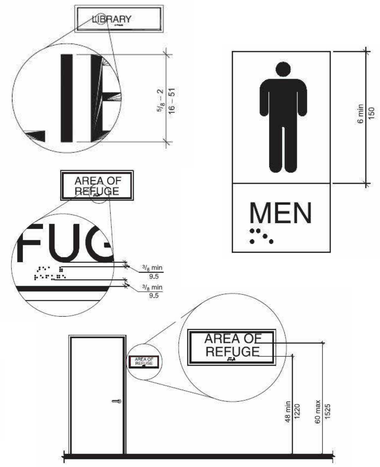


Fig. 703.4.3
Braille Measurement



SIGN LOCATION @ DOOR



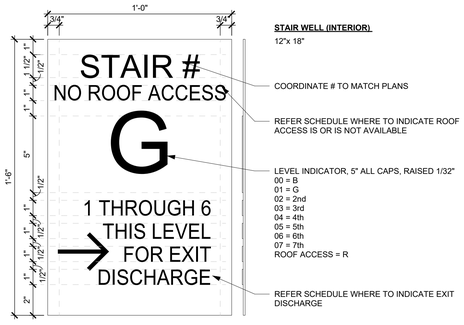
INTERNATIONAL SYMBOL OF ACCESSIBILITY

INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS

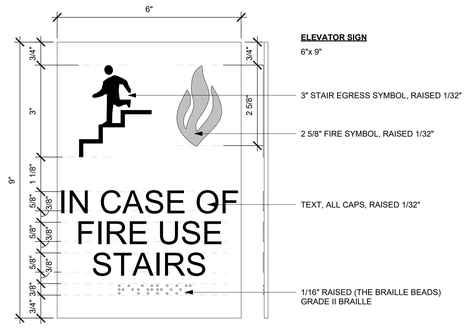
VOLUME CONTROLLED TELEPHONE

INTERNATIONAL TTY SYMBOL

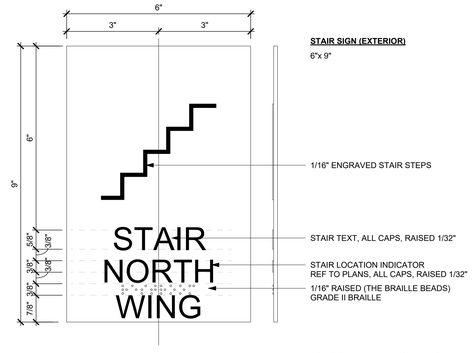
SIGN LOCATION AND REQUIREMENTS
N.T.S. K1



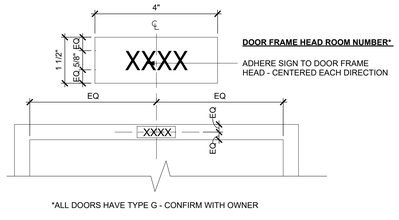
SIGN TYPE E
3" = 1'-0" E



SIGN TYPE D2
6" = 1'-0" D2



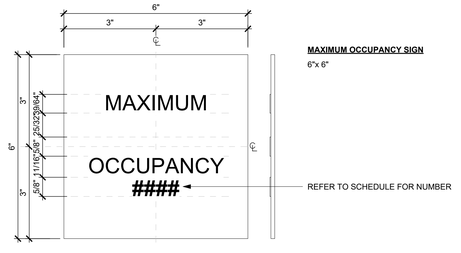
SIGN TYPE D1
6" = 1'-0" D1



*ALL DOORS HAVE TYPE G - CONFIRM WITH OWNER

DOOR FRAME HEAD ROOM NUMBER*
ADHERE SIGN TO DOOR FRAME HEAD - CENTERED EACH DIRECTION

DOOR FRAME SIGN TYPE G
6" = 1'-0" G



SIGN TYPE C
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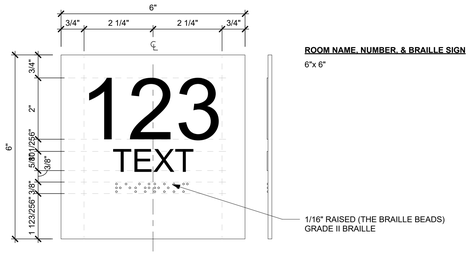

SIGN TYPE B
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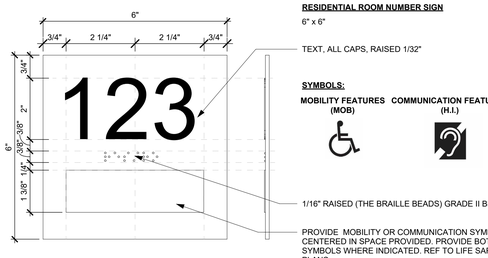

SIGN TYPE A
6" = 1'-0" A

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AHMAD SAMUEL QUORAN
032313
STATE OF NEW YORK

EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER
SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/18/2026
SCALE: As indicated
SHEET NAME:
SIGNAGE DETAILS

SHEET NUMBER:
A-852

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TOP OF BLEACHER

FULL VIEW

FRONT DESK

BLEACHER SEATING

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EXP. DATE: 03/31/2028

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/18/2026

SCALE:

SHEET NAME:
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A-900

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CONTROLS LEGEND

- D — DIGITAL INPUT
- D — DIGITAL OUTPUT
- A — ANALOG INPUT
- A — ANALOG OUTPUT
- M — MOTOR OPERATOR / MOTORIZED DAMPER
- DP — DIFFERENTIAL PRESSURE SENSOR
- SP — STATIC PRESSURE SENSOR
- S/S — START/STOP
- NG — NATURAL GAS DETECTOR
- T — SPACE DRY BULB TEMPERATURE SENSOR
- C — HEAT PUMP SYSTEM FAN COIL UNIT CONTROLLER
- T H — COMBINATION SPACE DRY BULB TEMPERATURE SENSOR WITH RELATIVE HUMIDITY SENSOR INCLUDED
- H — RELATIVE HUMIDITY SENSOR
- H — WALL MOUNTED HUMIDITY SENSOR
- CO2 — CARBON DIOXIDE SENSOR
- CO — CARBON MONOXIDE DETECTOR
- M — MOTORIZED DAMPER
- ST — STARTER
- VFD — VARIABLE FREQUENCY DRIVE
- ECM — ELECTRICALLY COMMUTATED MOTOR INTERFACE BOARD
- AMS — AIR MEASURING STATION
- CS — CURRENT SENSOR
- ES — END SWITCH
- OS — OCCUPANCY SENSOR
- PS — PRESSURE SENSOR
- SP — STATIC PRESSURE SENSOR
- H — RELATIVE HUMIDITY SENSOR
- SD — SMOKE DETECTOR
- R — RELAY
- T — ELECTRIC THERMOSTAT DUCT MOUNTED
- F — AIRFLOW SENSOR
- A — ALARM
- T — TREND
- RT — RUN TIME

- T — TEMPERATURE SENSOR SINGLE POINT
- T — TEMPERATURE SENSOR AVERAGING SENSING ELEMENT
- M — 2-WAY CONTROL VALVE ELECTRIC ACTUATOR
- M — 3-WAY CONTROL VALVE ELECTRIC ACTUATOR

SINGLE LINE SYMBOLS LEGEND

- HWS — HEATING WATER SUPPLY PIPING
- HWR — HEATING WATER RETURN PIPING
- CHWS — CHILLED WATER SUPPLY PIPING
- CHWR — CHILLED WATER RETURN PIPING
- COND — COOLING COIL CONDENSATE PIPING
- RL — REFRIGERANT LIQUID PIPING
- RS — REFRIGERANT SUCTION PIPING
- 90 DEGREE PIPE ELBOW DOWN
- PIPE RISER UP SYMBOL
- MID-PIPE DOWN
- PIPE CAP
- PIPE BREAK
- PIPE ANCHOR
- PIPE GUIDE
- UNION
- FLOW DIRECTION
- PIPING/DUCTWORK/EQUIPMENT REMOVALS
- CHECK VALVE
- SHUTOFF BALL VALVE
- 2-WAY MODULATING CONTROL VALVE
- 2-WAY CONTROL VALVE
- 3-WAY MODULATING CONTROL VALVE
- GATE VALVE
- CALIBRATED BALANCE VALVE CIRCUIT SETTER BALANCING VALVE
- PRESSURE REDUCING VALVE
- 3-WAY CONTROL VALVE
- BUTTERFLY VALVE
- RELIEF VALVE
- PRESSURE RELIEF VALVE
- AUTOMATIC AIR VENT
- PUMP
- OR — PRESSURE GAGE
- OR — STRAINER
- OR — THERMOMETER
- POINT OF CONNECTION
- POINT OF DISCONNECTION
- EXPANSION COMPENSATOR

DOUBLE LINE SYMBOLS LEGEND

- SUPPLY DIFFUSER
- RETURN DIFFUSER
- SQUARE-THROATED ELBOW WITH TURNING VANES
- DS-X — ELBOW STYLE DUCT SILENCER
- DS-X — STRAIGHT DUCT STYLE DUCT SILENCER
- R / R — DUCTWORK RADIUS ELBOW
- F/S — COMBINATION FIRE/SMOKE DAMPER
- F — FIRE DAMPER
- S — SMOKE DAMPER
- M — MOTORIZED DAMPER
- FLEXIBLE SUPPLY AIR DUCTWORK MAXIMUM 3-FOOT LENGTH
- VOLUME DAMPER

- RETURN AIR RISE
- EXHAUST AIR RISE
- SUPPLY AIR RISE
- X — KEYED NOTE DESIGNATION TAG
- T — SPACE TEMPERATURE SENSOR
- C — HEAT PUMP SYSTEM FAN COIL UNIT CONTROLLER

ABBREVIATIONS LEGEND

AC	AIR CONDITIONER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AH	AIR HANDLER
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
ATS	AIR TRANSFER SLEEVE
AVG	AVERAGE SPACE TEMPERATURE
BC	BLOWER COIL
BHP	BRAKE HORSEPOWER
BTM	BOTTOM
BTUH	BRITISH THERMAL UNITS/HOUR
BTUH/LF	BRITISH THERMAL UNIT/HOUR/ LINEAR FOOT
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CH	AIR COOLED CHILLER
CHWR	CHILLED WATER RETURN PIPING
CHWS	CHILLED WATER SUPPLY PIPING
CI	CAST IRON
CO	CARBON MONOXIDE SENSOR
COND.	CONDENSATE PIPING
CONT.	CONTINUATION
COP	COEFFICIENT OF PERFORMANCE
CP	COOLING COIL CONDENSATE PUMP
CUH	CABINET UNIT HEATER
CW	DOMESTIC COLD WATER
CV	CONVECTOR
cV	VALVE COEFFICIENT
D	DIFFUSER
DB	DRY BULB
DCW	DOMESTIC COLD WATER
DDC	DIRECT DIGITAL CONTROL
DEG. F	DEGREES FAHRENHEIT
DHWR	DOMESTIC HOT WATER RETURN
DIA	DIAMETER
DN	DOWN
DS	DUCT SILENCER
DWDI	DUAL WIDTH, DUAL INLET
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
E.C.	EXPANSION COMPENSATOR
ECM	ELECTRICALLY COMMUTATED MOTOR
EDB	ENTERING DRY BULB
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EHC	IN-DUCT ELECTRIC HEATING COIL
EL	EXPANSION LOOP
ER	EXHAUST REGISTER
ERV	STATIC PLATE ENERGY RECOVERY VENTILATOR
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EVAV	EXHAUST VARIABLE AIR VOLUME BOX
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	FAN
°F	FAHRENHEIT
FAI	FRESH AIR INTAKE
FC	FORWARD CURVED
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FEI	FAN EFFICIENCY INDEX
FLA	FULL LOAD AMPS
FLR	FLOOR
FO	FLAT OVAL
FPM	FEET PER MINUTE
FSD	FIRE SMOKE DAMPER
FT	FIN TUBE
FT. OR '	FEET
FTR	FIN TUBE RADIATION
G	GRILLE
GAL	GALLON
GIV	GRAVITY INTAKE VENTILATOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HOOD
HC	HEATING COIL
HP	HORSEPOWER OR HEAT PUMP
HPSF	HEAT PUMP SEASONAL PERFORMANCE FACTOR
H&V	HEATING AND VENTILATION
HW	DOMESTIC HOT WATER
HWP	HOT WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
IEER	INTEGRATED ENERGY EFFICIENCY RATIO
IN OR "	INCHES
INT	INTERNAL
IPLV	INTEGRATED PART LOAD EFFICIENCY VALUE
KW	KILOWATT
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
lb/LBS	POUNDS
LDB	LEAVING DRY BULB
LF	LINEAR FOOT
LMTD	LOGARITHMIC MEAN TEMPERATURE DIFFERENCE
LSD	LINEAR SUPPLY DIFFUSER
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTUH
MC	MOTOR CONTROLLER
MCA	MINIMUM CIRCUIT AMPACITY
MER	MECHANICAL EQUIPMENT ROOM
MH	MOUNTING HEIGHT
MD	MOTORIZED DAMPER
MIN	MINIMUM
MOP	MAXIMUM OVERCURRENT PROTECTION
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
MFG	MANUFACTURER
NG	NATURAL GAS DETECTOR
NO	NORMALLY OPEN
NOL	NON OVER LOADING
OA	OUTSIDE AIR
OAD	OUTSIDE AIR DAMPER
OED	OPEN END DUCT
OS&Y	OPEN STEM & YOKE
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PG	PROPYLENE GLYCOL
PH	PHASE
PPM	PARTS PER MILLION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
R	HEATING WATER RADIATION UNIT
RA	RETURN AIR
RD	RETURN DIFFUSER
REF	ROOF EXHAUST FAN
RF	RELIEF FAN
RH	RELATIVE HUMIDITY
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
RP	HYDRONIC RADIANT HEAT PANEL
RPZ	REDUCED PRESSURE ZONE ASSEMBLY
RR	RETURN REGISTER
RS	REFRIGERANT SUCTION
RTU	ROOF TOP UNIT
RV	GRAVITY ROOF VENTILATOR
SA	SUPPLY AIR
SF	SQUARE FOOT
SD	SUPPLY DIFFUSER
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SP	STATIC PRESSURE
SPS	STATIC PRESSURE SENSOR
SR	SHORT RADIUS
SRV	STATIONARY ROOF VENTILATOR
SS	STAINLESS STEEL
SWSI	SINGLE WIDTH SINGLE INLET
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
TR	DUCTWORK TRANSITION
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UH	UNIT HEATER
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
VRV	VARIABLE REFRIGERANT VOLUME
W	WATTS OR WIDTH
WB	WET BULB
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WH	WATER HEATER
WMS	WIRE MESH SCREEN

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REGISTRATION EXPIRES: 11/30/2026

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

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SCALE: 12" = 1'-0"

SHEET NAME:
HVAC SYMBOLS, LEGENDS AND ABBREVIATIONS

SHEET NUMBER:

M-001

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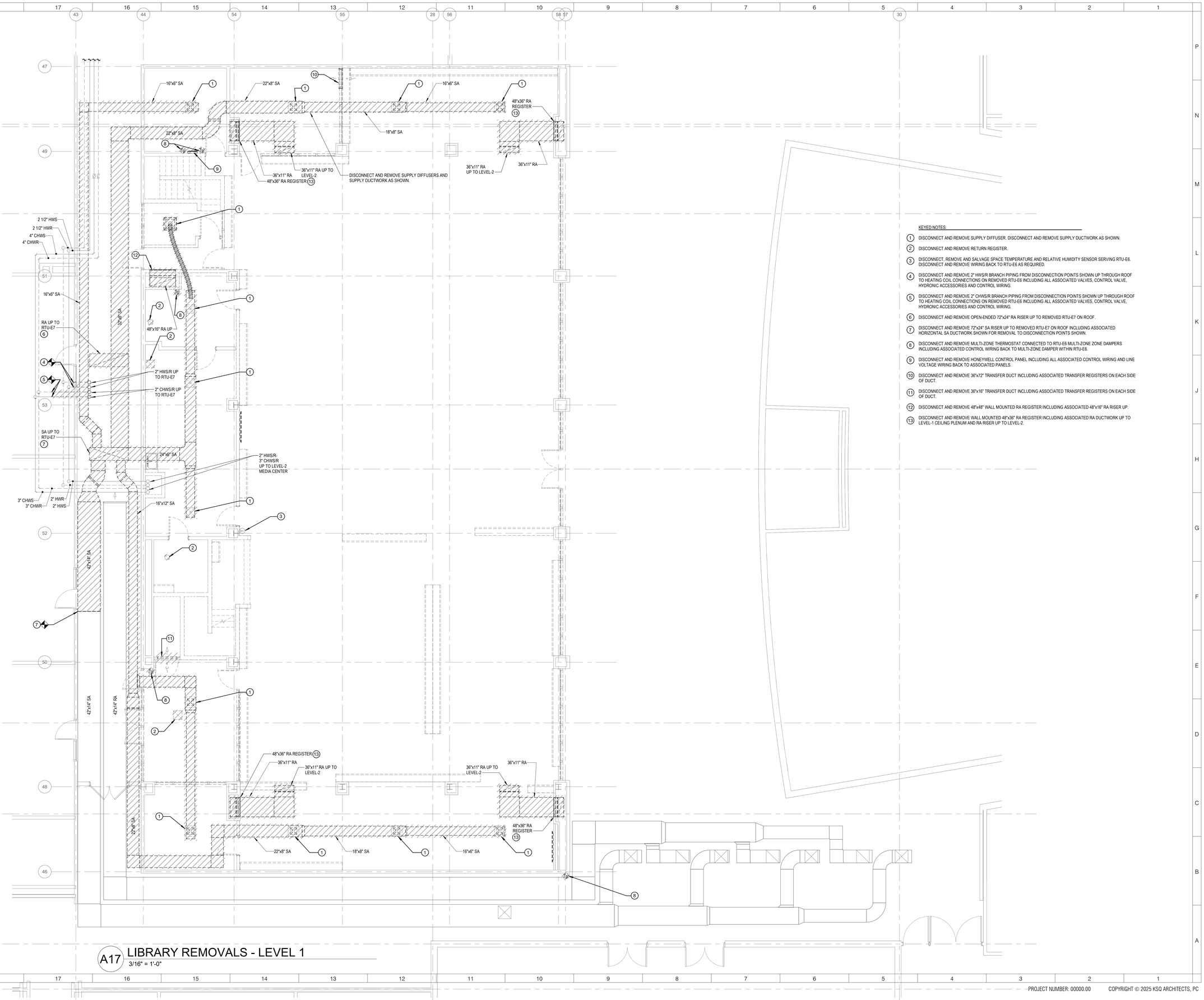
ROOFTOP AIR HANDLING UNIT SCHEDULE

1. PROVIDE WITH 0-100% ECONOMIZER CAPABILITY WITH DRY BULB CONTROL AND OA/RA DAMPER. PROVIDE WITH BAROMETRIC RELIEF AIR DAMPER.
2. PROVIDE UNIT WITH A 120 VOLT / 60 HZ / 1 PHASE CONVENIENCE OUTLET. PROVIDE 1ST YEAR PARTS AND LABOR WARRANTY. COMPRESSOR TO HAVE 5 YEAR PARTS WARRANTY. UNIT TO BE DOUBLE WALL CONSTRUCTION.
3. UNIT TO HAVE FACTORY MOUNTED OUTDOOR AIRFLOW MONITORING STATION, SUPPLY FAN AIR MEASURING STATION AND RETURN FAN AIR MEASURING STATION.
4. PROVIDE WITH VFD SUPPLY AND RETURN FAN MOTORS. BOTH MOTORS TO HAVE A FUSED DISCONNECT AND PROVIDED WITH A NEMA 3R ENCLOSURE.
5. UNIT TO BE PROVIDED WITH THE FOLLOWING SECTIONS: RETURN - 24" LONG EXHAUST PLENUM SECTION WITH END LOCATED CLASS 1A MOTORIZED EA DAMPER, 30" LONG RETURN FAN SECTION AND 14" LONG ACCESS SECTION; SUPPLY - 54" LONG ECONOMIZER SECTION WITH FACTORY INSTALLED OA INTAKE HOOD ON RIGHT SIDE AND BOTTOM RA INLET, CLASS 1A ULTRA LOW LEAK OA DAMPER ON RIGHT SIDE AND INTERNAL CLASS 1A RA DAMPER, 12" LONG PANEL FILTER SECTION, 24" LONG HOT WATER COIL SECTION, 32" LONG CHILLED WATER SECTION, 30" LONG SUPPLY FAN SECTION, 22" LONG PLENUM SECTION WITH BOTTOM OUTLET
6. PROVIDE WITH 18" WIDE PIPING VESTIBULE SPANNING WIDTH OF CHILLED AND HEATING COIL SECTIONS TO CONCEAL HYDRONIC PIPING LOCATED ON LEFT SIDE OF RTU
7. PROVIDE ACCESS DOORS ON THE RTU AT THE FOLLOWING LOCATIONS: RETURN SECTION - EXHAUST PLENUM SECTION (20" WIDE, RIGHT SIDE), ACCESS SECTION (10" WIDE, RIGHT SIDE) SUPPLY SECTION - ECONOMIZER SECTION (18" WIDE, RIGHT SIDE), PANEL FILTER SECTION (8" WIDE, RIGHT SIDE), HEATING COIL SECTION (12" WIDE, RIGHT SIDE), CHILLED WATER COIL SECTION (12" WIDE, RIGHT SIDE), SUPPLY PLENUM SECTION (26" WIDE, LEFT SIDE)

| | IDENTITY DATA | | | ELECTRICAL LOADS | | | | | | | | | | | | | | | FILTER SECTION | | | AIRFLOW DATA | | | | | | | | HOT WATER COIL SECTION | | | | | | | | | CHILLED WATER COIL SECTION | | | | | | | | | | ENERGY RECOVERY WHEEL SECTION (NONE) | | | | | | | | | | | | | | |



A17 LIBRARY REMOVALS - LEVEL 1

3/16" = 1'-0"

KEYED NOTES:

1. DISCONNECT AND REMOVE SUPPLY DIFFUSER. DISCONNECT AND REMOVE SUPPLY DUCTWORK AS SHOWN.
2. DISCONNECT AND REMOVE RETURN REGISTER.
3. DISCONNECT, REMOVE AND SALVAGE SPACE TEMPERATURE AND RELATIVE HUMIDITY SENSOR SERVING RTU-E6. DISCONNECT AND REMOVE WIRING BACK TO RTU-E6 AS REQUIRED.
4. DISCONNECT AND REMOVE 2" HWS/R BRANCH PIPING FROM DISCONNECTION POINTS SHOWN UP THROUGH ROOF TO HEATING COIL CONNECTIONS ON REMOVED RTU-E6 INCLUDING ALL ASSOCIATED VALVES, CONTROL VALVE, HYDRONIC ACCESSORIES AND CONTROL WIRING.
5. DISCONNECT AND REMOVE 2" CHWS/R BRANCH PIPING FROM DISCONNECTION POINTS SHOWN UP THROUGH ROOF TO HEATING COIL CONNECTIONS ON REMOVED RTU-E6 INCLUDING ALL ASSOCIATED VALVES, CONTROL VALVE, HYDRONIC ACCESSORIES AND CONTROL WIRING.
6. DISCONNECT AND REMOVE OPEN-ENDED 72"x24" RA RISER UP TO REMOVED RTU-E7 ON ROOF.
7. DISCONNECT AND REMOVE 72"x24" SA RISER UP TO REMOVED RTU-E7 ON ROOF INCLUDING ASSOCIATED HORIZONTAL SA DUCTWORK SHOWN FOR REMOVAL TO DISCONNECTION POINTS SHOWN.
8. DISCONNECT AND REMOVE MULTI-ZONE THERMOSTAT CONNECTED TO RTU-E6 MULTI-ZONE ZONE DAMPERS INCLUDING ASSOCIATED CONTROL WIRING BACK TO MULTI-ZONE DAMPER WITHIN RTU-E6.
9. DISCONNECT AND REMOVE HONEYWELL CONTROL PANEL INCLUDING ALL ASSOCIATED CONTROL WIRING AND LINE VOLTAGE WIRING BACK TO ASSOCIATED PANELS.
10. DISCONNECT AND REMOVE 36"x72" TRANSFER DUCT INCLUDING ASSOCIATED TRANSFER REGISTERS ON EACH SIDE OF DUCT.
11. DISCONNECT AND REMOVE 36"x16" TRANSFER DUCT INCLUDING ASSOCIATED TRANSFER REGISTERS ON EACH SIDE OF DUCT.
12. DISCONNECT AND REMOVE 48"x48" WALL MOUNTED RA REGISTER INCLUDING ASSOCIATED 48"x16" RA RISER UP.
13. DISCONNECT AND REMOVE WALL MOUNTED 48"x36" RA REGISTER INCLUDING ASSOCIATED RA DUCTWORK UP TO LEVEL-1 CEILING PLENUM AND RA RISER UP TO LEVEL-2.

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REGISTRATION EXPIRES: 11/30/2026

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

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

SHEET NAME:
ENLARGED LIBRARY REMOVALS - LEVEL 1

SHEET NUMBER:

MR-101

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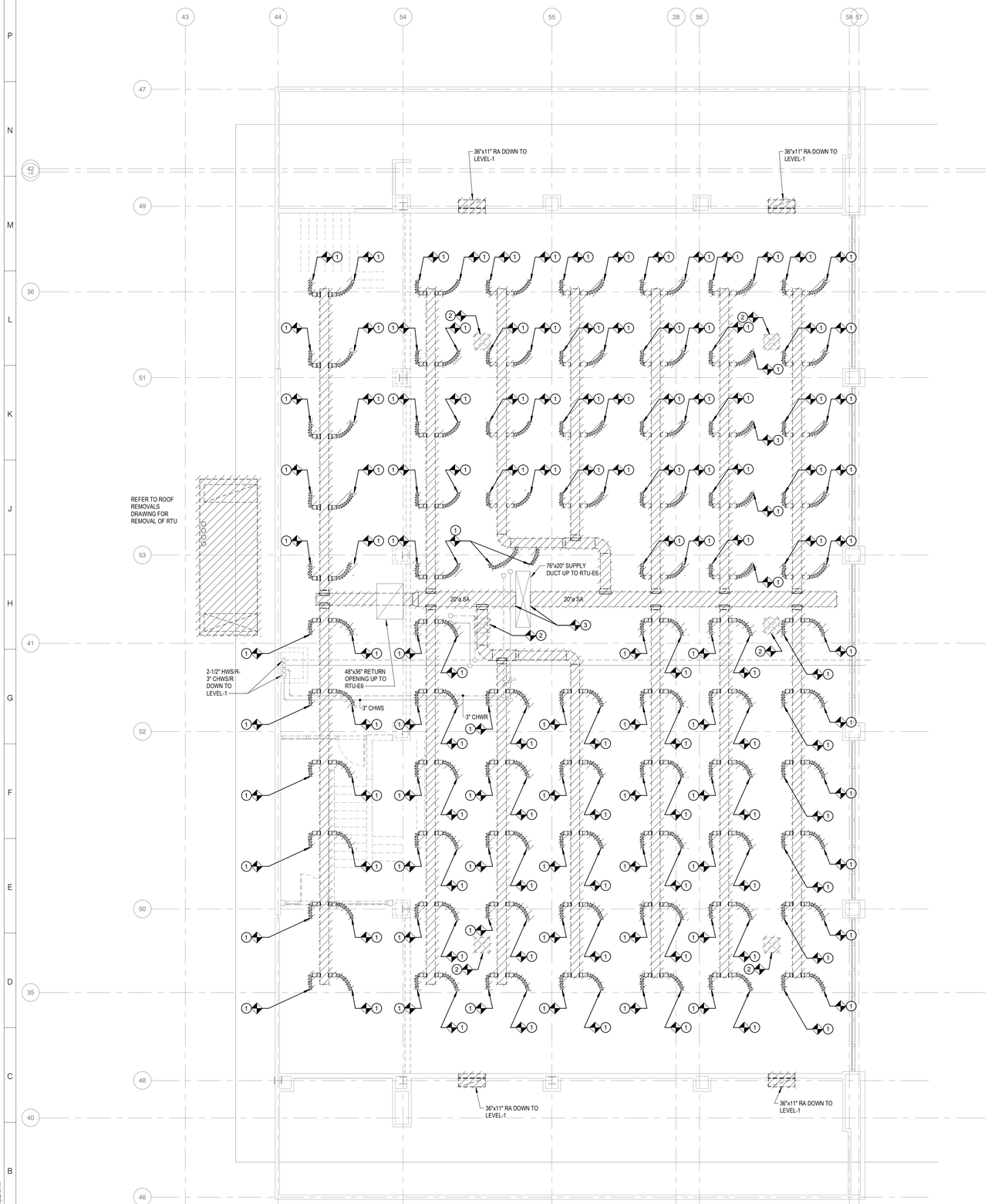

A18 LIBRARY REMOVALS - LEVEL 2
3/16" = 1'-0"

KEYED NOTES:

1. DISCONNECT AND REMOVE FLEXIBLE SUPPLY DUCT BRANCHES FROM LIGHT TROFFER DIFFUSER SA PLENUMS. DISCONNECT AND REMOVE SUPPLY DUCTWORK AS SHOWN. DISCONNECT AND REMOVE LIGHT TROFFER DIFFUSER SA PLENUMS CONNECTED TO FLEXIBLE DUCTWORK BRANCHES. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF LIGHT TROFFERS.
2. DISCONNECT AND REMOVE UN-DUCTED REGISTER WITHIN LIBRARY CEILING SYSTEM.
3. DISCONNECT AND REMOVE INSULATED, HORIZONTAL SA DUCTWORK TO DISCONNECTION POINTS SHOWN AT THE SA RISER CONNECTED TO RTU-E6.
4. DISCONNECT AND REMOVE RA RISER DOWN TO LEVEL-1 AND RA DUCT PENETRATION THROUGH VERTICAL MASONRY WALL TERMINATING ABOVE LEVEL-2 CEILING SYSTEM.

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NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

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Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

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DATE: 02/23/2026
SCALE: 3/16" = 1'-0"
SHEET NAME: ENLARGED LIBRARY REMOVALS - LEVEL 2
SHEET NUMBER: MR-102

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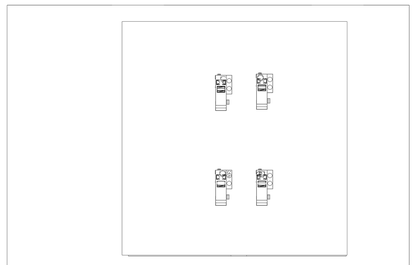
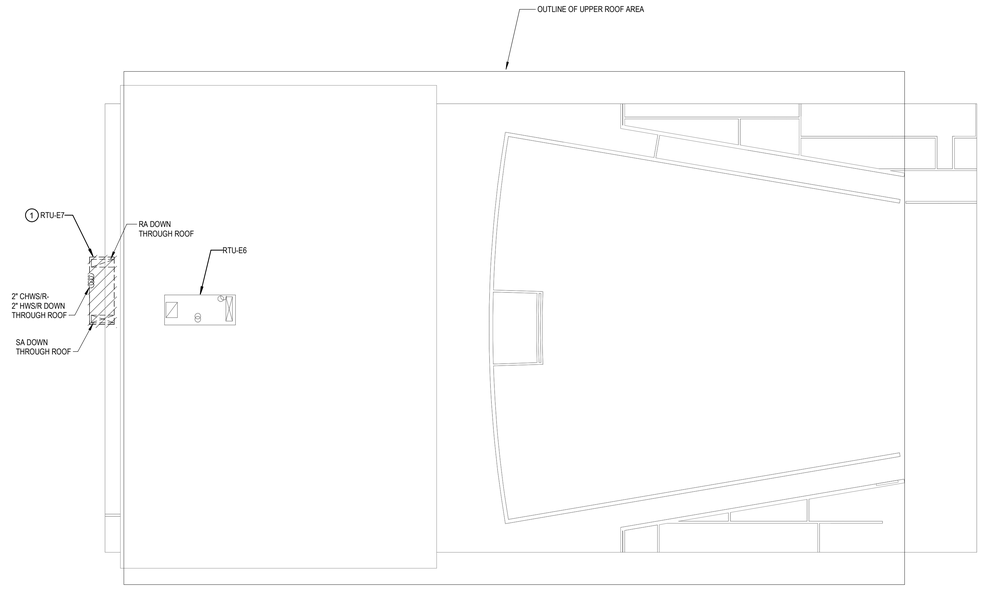
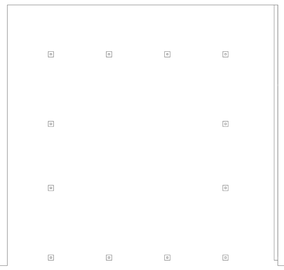
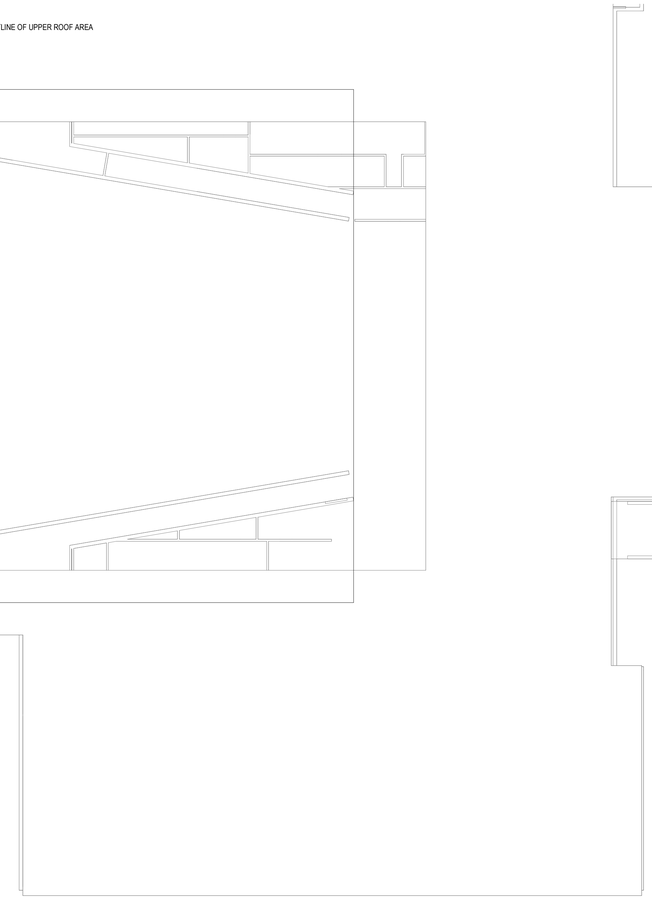
KEYED NOTES:

1. DISCONNECT AND REMOVE ROOFTOP UNIT RTU-E7 ON LOWER ROOF AREA AT LOCATION SHOWN INCLUDING ASSOCIATED ROOF CURB. DISCONNECT AND REMOVE SUPPLY AIR AND RETURN AIR DUCT RISERS DOWN THROUGH ROOF TO LEVEL-1 CEILING PLENUM. DISCONNECT AND REMOVE 2" CHWS/R AND 2" HWS/R PIPING BRANCHES FROM WITHIN RTU DOWN THROUGH ROOF PENETRATION TO LEVEL-1 CEILING PLENUM INCLUDING ASSOCIATED 2-WAY CONTROL VALVES ON THE CHWS AND HWS BRANCHES. DISCONNECT AND REMOVE CHILLED WATER COIL AND HEATING WATER COIL WITHIN RTU. DISCONNECT SUPPLY AND RETURN FANS WITHIN RTU INCLUDING ASSOCIATED FAN MOTORS. DISCONNECT AND REMOVE FIVE MULTI-ZONE DAMPERS UPSTEAM OF SA OUTLET ON RTU INCLUDING ALL ASSOCIATED CONTROL WIRING BACK TO ASSOCIATED DDC PANEL.



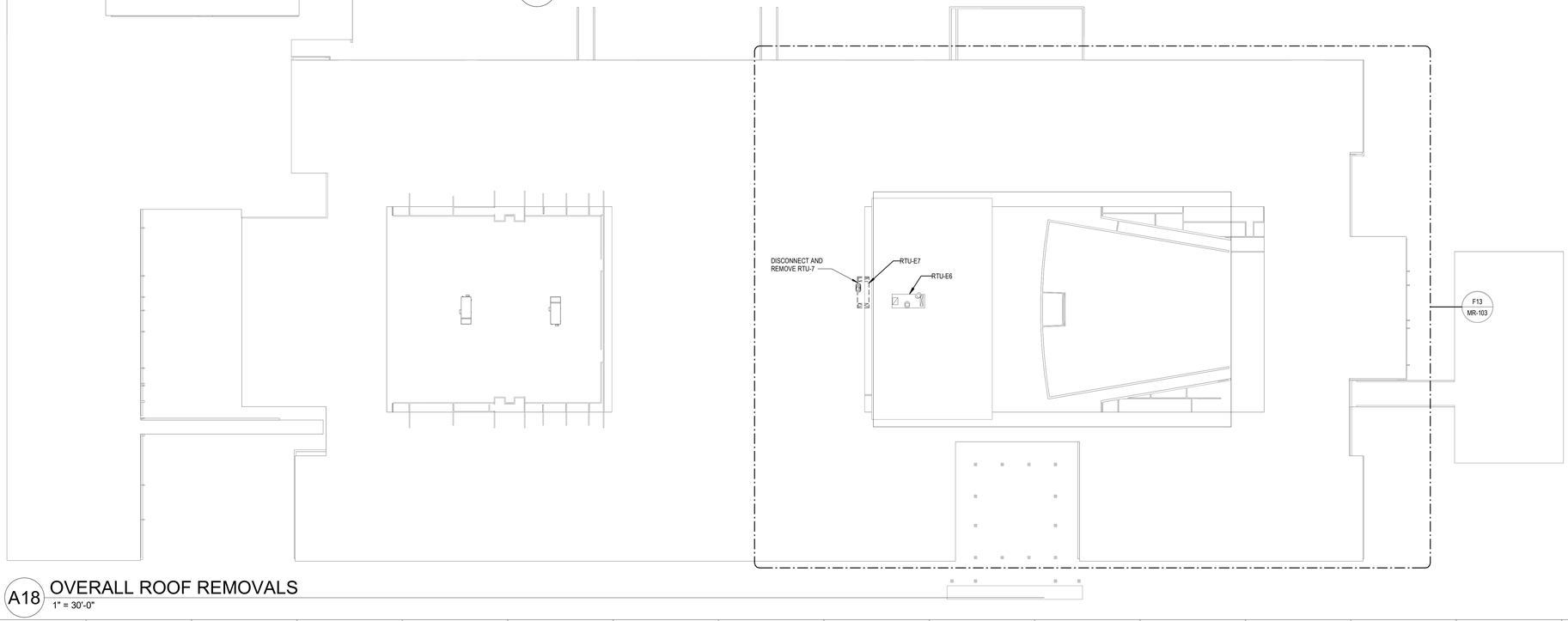






F13 ENLARGED MEDIA CENTER ROOF REMOVALS PLAN

1/16" = 1'-0"



A18 OVERALL ROOF REMOVALS

1" = 30'-0"

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REGISTRATION EXPIRES:
11/30/2026

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

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OVERALL ROOF REMOVALS

SHEET NUMBER:
MR-103

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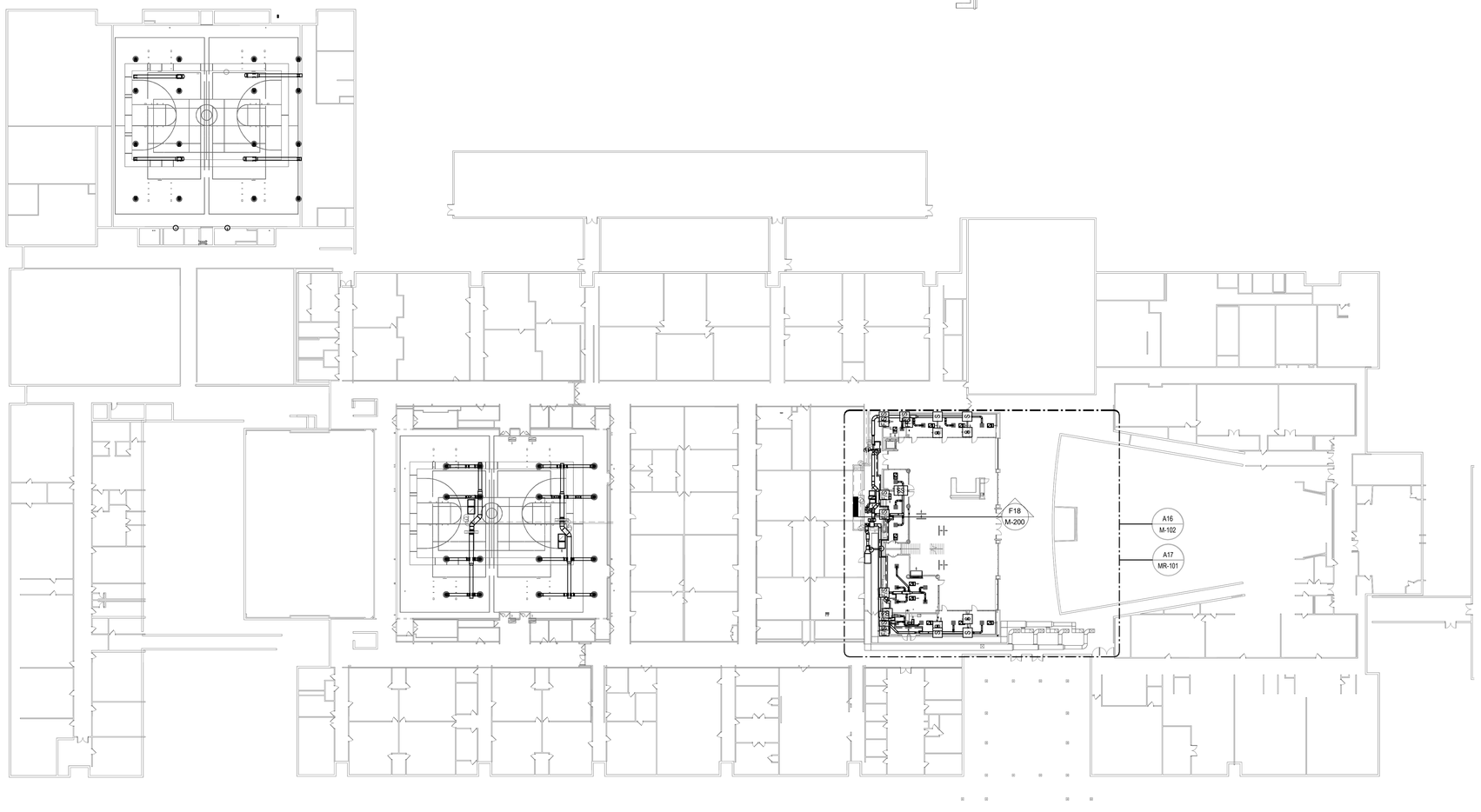

A15 OVERALL FIRST FLOOR PLAN

1" = 30'-0"

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11/30/2026

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

SCALE: 1" = 30'-0"

SHEET NAME:
OVERALL FIRST FLOOR PLAN

SHEET NUMBER:

M-101

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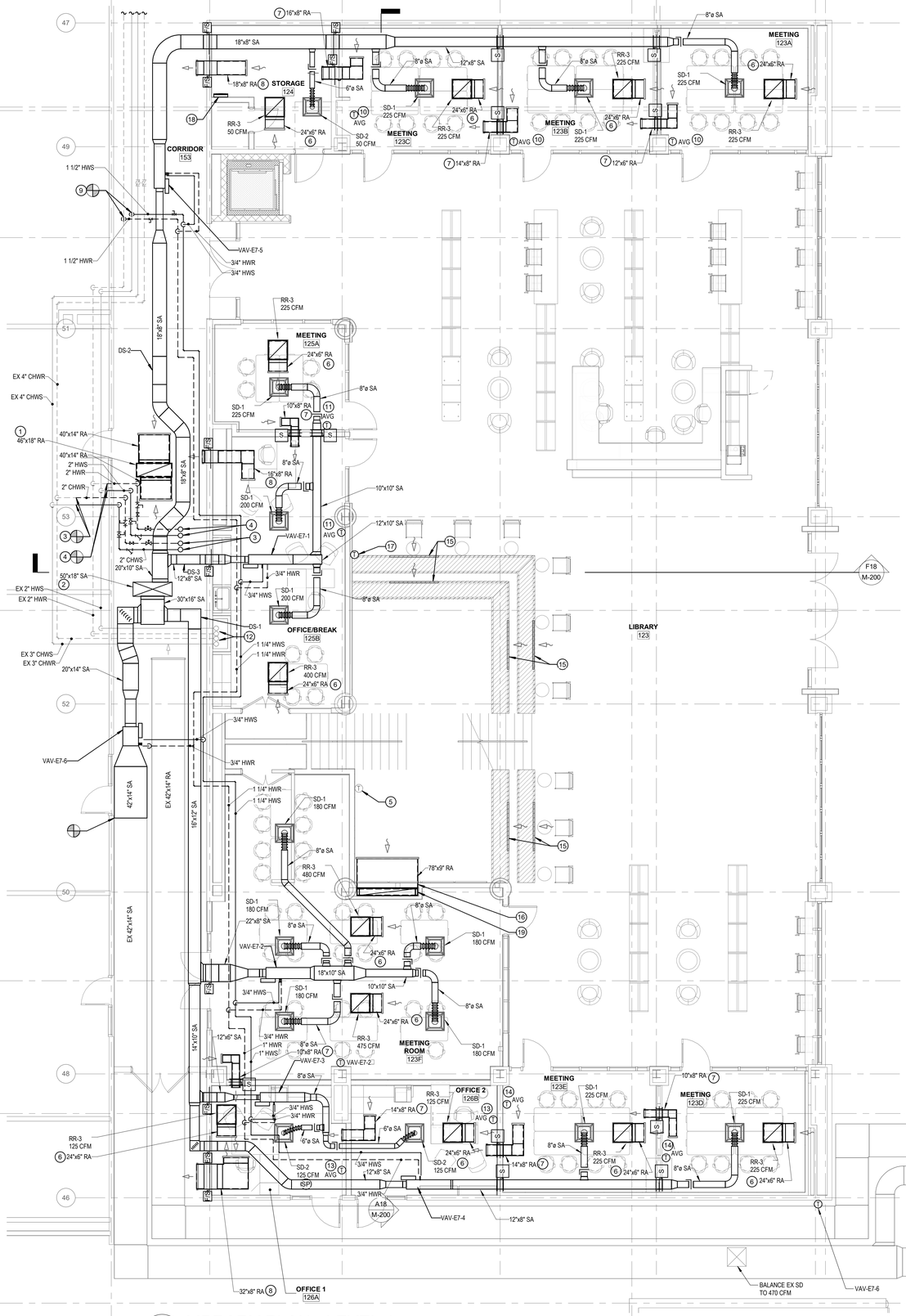

KEYED NOTES:

1. PROVIDE 46"x18" RETURN AIR RISER UP TO RTU-E7 ON LOWER ROOF LEVEL. PROVIDE TWO 40"x14" OPEN-ENDED RETURN AIR BRANCHES OFF THE RA RISER AND TERMINATE WITH 1/4" GALVANIZED WIRE MESH SCREEN. ALL RETURN AIR DUCTWORK CONNECTED TO RTU-E7 SHALL BE 1" THICK, INTERNALLY LINED DUCTWORK. DUCT DIMENSIONS SHOWN ARE CLEAR OUTSIDE DIMENSIONS.
2. PROVIDE 50"x18" SA RISER UP TO RTU-E7 ON LOWER ROOF LEVEL.
3. CONNECT TO EXISTING CHWS/R BRANCHES AT LOCATIONS SHOWN AND ROUTE 2" CHWS/R PIPING ACROSS CORRIDOR 153 CEILING PLENUM AND PROVIDE 2" CHWS/R PIPING RISERS UP TO WITHIN RTU-E7 PIPING CABINET ON LOWER ROOF LEVEL. THEN CONNECTION CHWS/R TO CHILLED WATER COIL WITHIN RTU.
4. CONNECT TO EXISTING HWS/R BRANCHES AT LOCATIONS SHOWN AND ROUTE 2" HWS/R PIPING ACROSS CORRIDOR 153 CEILING PLENUM AND PROVIDE 2" HWS/R PIPING RISERS UP TO WITHIN RTU-E7 PIPING CABINET ON LOWER ROOF LEVEL. THEN CONNECTION HWS/R TO HEATING WATER COIL WITHIN RTU.
5. RELOCATE EXISTING RTU-E6 SPACE TEMPERATURE/RELATIVE HUMIDITY SENSOR TO LOCATION SHOWN. EXTEND CONTROL WIRING FROM ORIGINAL SENSOR LOCATION TO LOCATION SHOWN AS REQUIRED.
6. PROVIDE 24"x6" MITER, TRANSITION ELBOW AT LOCATION SHOWN CONNECTED TO CEILING MOUNTED RA REGISTER. TERMINATE 24"x6" RA DUCTWORK OPEN-ENDED ABOVE CEILING SYSTEM WITH 1/4" GALVANIZED WIRE MESH SCREEN. PROVIDE RA DUCTWORK WITH 1/2" THICK INTERNALLY LINED DUCTWORK. DUCT DIMENSIONS SHOWN ARE OUTSIDE DIMENSIONS.
7. PROVIDE TRANSFER DUCT AT LOCATION SHOWN ABOVE CEILING SYSTEM WITH 1/4" GALVANIZED WIRE MESH SCREEN OVER OPEN-ENDED DUCT AT EACH END. PROVIDE TRANSFER DUCTWORK WITH 1/2" THICK INTERNALLY LINED DUCTWORK. DUCT DIMENSIONS SHOWN ARE OUTSIDE DIMENSIONS.
8. PROVIDE TRANSFER DUCT AT LOCATION SHOWN ABOVE CEILING SYSTEM WITH 1/4" GALVANIZED WIRE MESH SCREEN OVER OPEN-ENDED DUCT AT EACH END. TERMINATE OUTLET OF TRANSFER DUCTWORK WITHIN CORRIDOR 153 SUSPENDED CEILING SYSTEM. PROVIDE COMBINATION FIRE/SMOKE DAMPER AT CORRIDOR WALL PENETRATIONS. PROVIDE TRANSFER DUCTWORK WITH 1/2" THICK INTERNALLY LINED DUCTWORK. DUCT DIMENSIONS SHOWN ARE OUTSIDE DIMENSIONS. THE CEILING PLENUM ABOVE THE CORRIDOR CAN BE UTILIZED AS A CODE COMPLIANT RETURN AIR PATH PER NYS MECHANICAL CODE PART 601.2.1, CONDITION 3, CALLING OUT THE USE OF THE CORRIDOR CEILING AS A PLENUM BEING CODE COMPLIANT IS MET BY THE USE OF FIRE/SMOKE DAMPERS AND UTILIZING SMOKE DETECTORS/DUCT DETECTORS TO TURN OFF THE EXHAUST AND SUPPLY FANS WITH RTU-E7.
9. CONNECT TO EXISTING HWS/R MAINS AT LOCATIONS SHOWN WITHIN CORRIDOR 153 CEILING PLENUM AND ROUTE HWS/R PIPING VAV BOX TERMINAL UNIT REHEAT COILS.
10. PROVIDE 3 SPACE TEMPERATURE SENSORS AT LOCATIONS SHOWN TIED TO VAV-E7-5. VAV-E7-5 SHALL RESPOND TO AVERAGE OF THE 3 SENSORS.
11. PROVIDE 2 SPACE TEMPERATURE SENSORS AT LOCATIONS SHOWN TIED TO VAV-E7-1. VAV-E7-1 SHALL RESPOND TO AVERAGE OF THE 2 SENSORS.
12. EXISTING 3" CHWS/R-2" HWS/R PIPING UP TO LEVEL-2 CEILING PLENUM.
13. PROVIDE 2 SPACE TEMPERATURE SENSORS AT LOCATIONS SHOWN TIED TO VAV-E7-3. VAV-E7-3 SHALL RESPOND TO AVERAGE OF THE 2 SENSORS.
14. PROVIDE 2 SPACE TEMPERATURE SENSORS AT LOCATIONS SHOWN TIED TO VAV-E7-4. VAV-E7-4 SHALL RESPOND TO AVERAGE OF THE 2 SENSORS.
15. PROVIDE 5-FEET LONG x 2" HIGH LINEAR BAR GRILLE RETURN REGISTER SURFACE MOUNTED TO VERTICAL FACE OF LIBRARY 123 STAIRS AT LOCATIONS SHOWN. THE RETURN REGISTERS SHALL BE UN-DUCTED AND TERMINATED BELOW THE STAIRWAY PLENUM AREA WHICH SHALL BE UTILIZED AS A RETURN AIR PATH FOR THE EXISTING RTU-E6 ROOFTOP UNIT. COORDINATE LOCATION OF BAR GRILLES WITH ARCHITECTURAL DRAWINGS.
16. PROVIDE 78"x9" OPEN-ENDED RA DUCT TERMINATED WITH 1/4" GALVANIZED WIRE MESH SCREEN BELOW THE LIBRARY 123 STAIRS WITHIN THE STAIR RA PLENUM AREA, THEN PROVIDE A 78"x9" RETURN AIR RISER UP TO ABOVE LIBRARY 123 CEILING SYSTEM AT LEVEL-2. PROVIDE 1/2" THICK INTERNALLY LINED RETURN AIR DUCTWORK WITH DUCTWORK DIMENSIONS SHOWN THE OUTSIDE DIMENSIONS.
17. PROVIDE A SIEMENS SPACE TEMPERATURE SENSOR AT LOCATION SHOWN. UTILIZE THE TEMPERATURE INPUT OF THIS SENSOR WITH THE TWO SENSORS AS OUTLINED IN KEYED NOTE 4 ON DRAWING M-103 TO PROVIDE AN AVERAGE SPACE TEMPERATURE. UTILIZE THE AVERAGED VALUE OF THE 3 SENSORS AND WRITE THAT AVERAGED VALUE TO THE 'NETWORKSPACETEMP' (FOR TEMPERATURE) ON THE EXISTING BACNET MSTP COMMUNICATION CARD IN THE EXISTING RTU-E6 DAIKIN APPLIED CONTROLLER (DAC). THE DAC SHALL UTILIZE THE 'NETWORKSPACETEMP' AS THE EFFECTIVE SPACE TEMPERATURE (AV 18 ON THE DAC), OVERRIDING THE EXISTING DAIKIN SPACE SENSOR INPUT. THE EXISTING DAIKIN DAC SHALL UTILIZE AV 18 TEMPERATURE FOR CONTROLLING THE EXISTING RTU-E6 DISCHARGE AIR TEMPERATURE. THE SIEMENS DDC CONTROL SYSTEM SHALL PROVIDE PROGRAMMING AND GRAPHICS AT THE DDC SYSTEM FRONT END TO PROVIDE THE FOLLOWING POINTS RELATED TO THE EXISTING RTU-6:
    1. (3) ANALOG INPUT SPACE TEMPERATURE SENSORS
    2. (1) READ-ONLY ANALOG INPUT RTU-E6 DISCHARGE AIR TEMPERATURE PULLED FROM BACNET CARD
    3. (1) READ-ONLY ANALOG INPUT RTU-E6 SUPPLY FAN SPEED
    4. (1) READ-ONLY ANALOG INPUT RTU-E6 RETURN FAN SPEED
    5. (1) READ-ONLY DIGITAL INPUT RTU-E6 ECONOMIZER STATUS
    6. (1) READ-ONLY ANALOG INPUT RTU-E6 OA DAMPER POSITION
    7. (1) READ-ONLY DIGITAL INPUT RTU-E6 SUPPLY FAN ON/OFF STATUS
    8. (1) READ-ONLY DIGITAL INPUT RTU-E6 RETURN FAN ON/OFF STATUS
    9. (1) READ-ONLY ANALOG INPUT RTU-E6 HEATING COIL CONTROL VALVE POSITION
    10. (1) READ-ONLY ANALOG INPUT RTU-E6 COOLING COIL CONTROL VALVE POSITION
    11. (1) ANALOG OUTPUT DISCHARGE AIR TEMPERATURE RESET (DAT_RESET, AV-13 ON THE DAC)
18. PROVIDE DIRECT DIGITAL CONTROL (DDC) SYSTEM PANELBOARD AT LOCATION SHOWN FOR MOUNTING DDC CONTROLLERS FOR LIBRARY CONTROL EQUIPMENT. IN ADDITION, PROVIDE 24-VOLT TRANSFORMERS WITHIN DDC PANEL AS REQUIRED TO PROVIDE 24-VOLT POWER SOURCE TO VAV BOX DDC CONTROLLERS.
19. PROVIDE IN-FLOOR FIRE DAMPER IN DUCT RISER AT FLOOR PENETRATION.

A16 LIBRARY PLAN - LEVEL 1

3/16" = 1'-0"

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REGISTRATION EXPIRES: 11/30/2026

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

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

SHEET NAME:
ENLARGED LIBRARY PLANS - LEVEL 1

SHEET NUMBER:

M-102

DRAWN BY: Author
CHECKED BY: Checker
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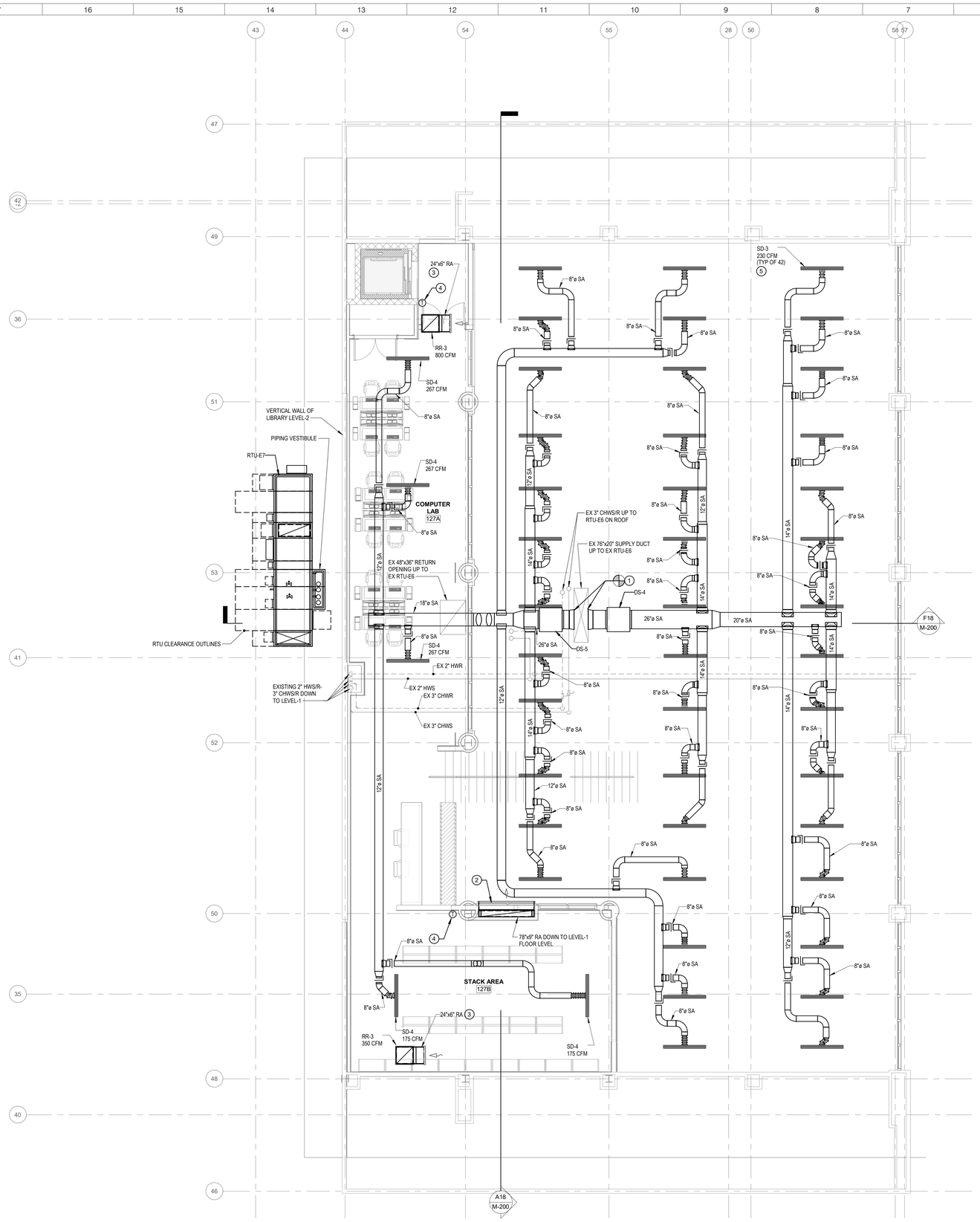

A17 LIBRARY PLAN - LEVEL 2

3/16" = 1'-0"

KEYED NOTES:

1. CONNECT TO EXISTING VERTICAL SA RISER CONNECTED TO EXISTING RTU-E6 AT LOCATIONS SHOWN AND ROUTE ROUND SA DUCT BRANCHES WITHIN CAVITY BETWEEN EAST/WEST RUNNING ROOF STRUCTRUAL JOIST FRAMING MEMBERS. PROVIDE NORTH/SOUTH RUNNING SA BRANCHES AT LOCATIONS SHOWN WITHIN JOIST OPENING CAVITIES ON THE EAST-WEST RUNNING JOISTS AS SHOWN ABOVE CEILING SYSTEM.

2. PROVIDE 78"x9" OPEN-ENDED RA DUCT TERMINATED WITH 1/4" GALVANIZED WIRE MESH SCREEN OUTLET ABOVE THE LIBRARY 123 CEILING PLENUM TO ALLOW RETURN AIR BACK TO EXISTING RTU-E6. ROUTE 78"x9" RETURN AIR RISER DOWN TO FLOOR AT LEVEL-1 BELOW STAIR AREA. PROVIDE 1/2" THICK INTERNALLY LINED RETURN AIR DUCTWORK WITH DUCTWORK DIMENSIONS SHOWN THE OUTSIDE DIMENSIONS.

3. PROVIDE 24"x6" MITER, TRANSITION ELBOW AT LOCATION SHOWN CONNECTED TO CEILING MOUNTED RA REGISTER. TERMINATE 24"x6" RA DUCTWORK OPEN-ENDED ABOVE CEILING SYSTEM WITH 1/4" GALVANIZED WIRE MESH SCREEN. PROVIDE RA DUCTWORK WITH 1/2" THICK INTERNALLY LINED DUCTWORK. DUCT DIMENSIONS SHOWN ARE OUTSIDE DIMENSIONS.

4. PROVIDE A SIEMENS SPACE TEMPERATURE SENSOR AT TWO LOCATIONS SHOWN. UTILIZE THE TEMPERATURE INPUT OF THESE TWO SENSORS WITH THE ONE SENSOR AS OUTLINED IN KEYED NOTE 17 ON DRAWING M-102 TO PROVIDE AN AVERAGE SPACE TEMPERATURE. UTILIZE THE AVERAGED VALUE OF THE 3 SENSORS AND WRITE THAT AVERAGED VALUE TO THE 'NETWORKSPACETEMP' (FOR TEMPERATURE) ON THE EXISTING BACNET MSTP COMMUNICATION CARD IN THE EXISTING RTU-E6 DAIKIN APPLIED CONTROLLER (DAC). THE DAC SHALL UTILIZE THE 'NETWORKSPACETEMP' AS THE EFFECTIVE SPACE TEMPERATURE (AV-18 ON THE DAC), OVERRIDING THE EXISTING DAIKIN SPACE SENSOR INPUT. THE EXISTING DAIKIN DAC SHALL UTILIZE AV 18 TEMPERATURE FOR CONTROLLING THE EXISTING RTU-E6 DISCHARGE AIR TEMPERATURE. THE SIEMENS DDC CONTROL SYSTEM SHALL PROVIDE PROGRAMMING AND GRAPHICS AT THE DDC SYSTEM FRONT END TO PROVIDE THE FOLLOWING POINTS RELATED TO THE EXISTING RTU-6:
   1. (3) ANALOG INPUT SPACE TEMPERATURE SENSORS
   2. (1) READ-ONLY ANALOG INPUT RTU-E6 DISCHARGE AIR TEMPERATURE PULLED FROM BACNET CARD
   3. (1) READ-ONLY ANALOG INPUT RTU-E6 SUPPLY FAN SPEED
   4. (1) READ-ONLY ANALOG INPUT RTU-E6 RETURN FAN SPEED
   5. (1) READ-ONLY DIGITAL INPUT RTU-E6 ECONOMIZER STATUS
   6. (1) READ-ONLY ANALOG INPUT RTU-E6 OA DAMPER POSITION
   7. (1) READ-ONLY DIGITAL INPUT RTU-E6 SUPPLY FAN ON/OFF STATUS
   8. (1) READ-ONLY DIGITAL INPUT RTU-E6 RETURN FAN ON/OFF STATUS
   9. (1) READ-ONLY ANALOG INPUT RTU-E6 HEATING COIL CONTROL VALVE POSITION
   10. (1) READ-ONLY ANALOG INPUT RTU-E6 COOLING COIL CONTROL VALVE POSITION
   11. (1) ANALOG OUTPUT DISCHARGE AIR TEMPERATURE RESET (DAT_RESET, AV-13 ON THE DAC)

   THE SIEMENS DDC SYSTEM SHALL BE UPDATED TO ALLOW FOR DISCHARGE AIR TEMPERATURE SETPOINT CONTROL THROUGH THE SIEMENS DDC SYSTEM BASED ON THE AVERAGE OF THE 3 SPACE TEMPERATURE SENSORS. THE RTU DAC SHALL THEN MODULATE THE CONTROL VALVES AND FAN SPEEDS AS REQUIRED TO PROVIDE THE DISCHARGE AIR SETPOINT INPUT FROM THE DDC SYSTEM. THE DDC SYSTEM SHALL CONTINUE TO PROVIDE ON/OFF OPERATING OF RTU-E6 AS CURRENTLY CONTROLLED.

5. SUPPORT LINEAR DIFFUSER SUPPLY PLENUMS FROM ROOF FRAMING STEEL ABOVE PER COORDINATION WITH DIFFUSER MANUFACTURER.

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NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

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

SHEET NAME:
ENLARGED LIBRARY PLANS - LEVEL 2

SHEET NUMBER:

M-103

DRAWN BY: AUTHOR
CHECKED BY: Checker
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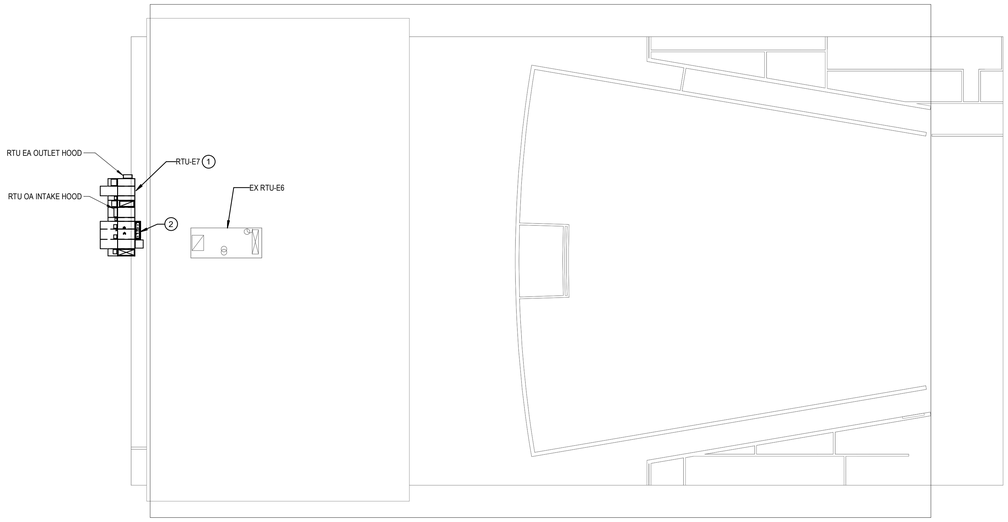
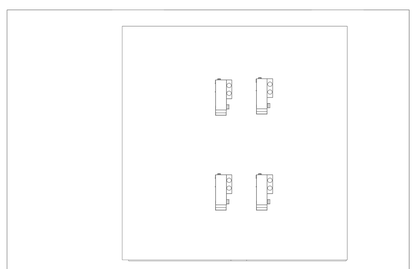
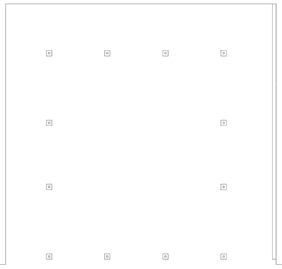
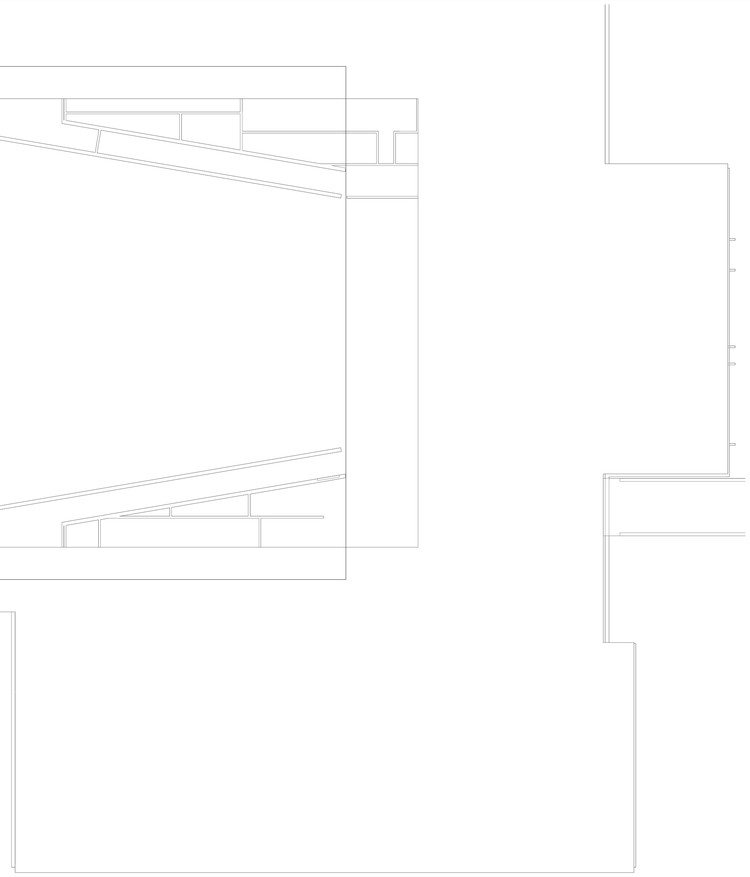
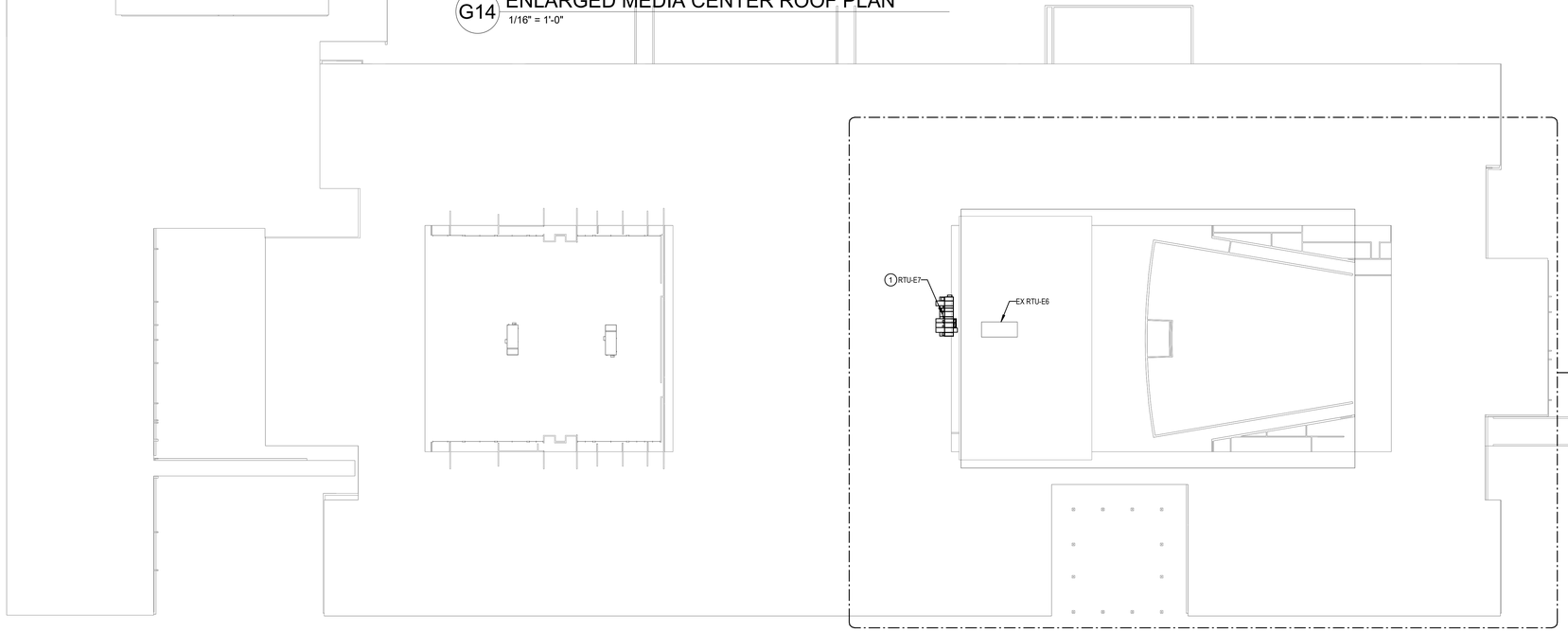








G14 ENLARGED MEDIA CENTER ROOF PLAN
1/16" = 1'-0"



KEYED NOTES:

1. PROVIDE 24" HIGH ACOUSTICAL ROOF CURB FOR RTU-E7 WITH CUSTOM SUPPLY AND RETURN AIR DROPS THROUGH THE BOTTOM OF THE ROOF CURB WITH SIZES AS CALLED OUT. TRANSITION FROM RTU INLET/OUTLET SIZES TO DUCT PENETRATIONS THROUGH ROOF SIZES CALLED OUT WITHIN THE 24" HIGH ROOF CURB PLENUM AS REQUIRED. THE ROOF CURB SHALL BE ONE-PIECE WELDED CONSTRUCTION MADE OF HEAVY GAUGE GALVANIZED STEEL WITH WELDS COATED GALVANIZED COMPOUND. GASKETING SHALL BE PROVIDED FOR UNIT TO CURB SEALING. THE ROOF CURB SHALL BE FULLY INSULATED WITH THE SUPPLY AIR TRANSITION FROM RTU SUPPLY OUTLET INCLUDED AND THE RETURN PLENUM TO RTU RA INLET INCLUDED. THE ROOF CURB SHALL BE PROVIDED WITH 1x4 WOOD NAILERS. THE ROOF CURB SHALL BE ACOUSTICALLY LINED. THE ACOUSTIC LINER SHALL BE INSTALLED IN THE FIELD. COORDINATE RTU SA/RA DUCT DROPS DOWN THROUGH ROOF WITHIN EXISTING ROOF FRAMING BELOW PRIOR TO FURNISHING ROOF CURB.
2. ROUTE 2" CHWS/R AND 2" HWS/R RISERS FROM CEILING PLENUM BELOW ROOF TO RTU CHILLED WATER COIL AND RTU HEATING COIL WITHIN VERTICAL PIPING ENCLOSURE CABINET FURNISHED WITH RTU. CONNECT TO CHILLED WATER COIL INLET/OUTLET CONNECTIONS AND HEATING COIL INLET/OUTLET CONNECTIONS FROM ENCLOSURE AS REQUIRED. PROVIDE HYDRONIC ACCESSORIES INCLUDING SHUT-OFF VALVES, HOSE END DRAIN VALVES, CIRCUIT SETTER BALANCING VALVES AND CONTROL VALVES WITHIN CEILING PLENUM BELOW RISERS TO RTU COILS, AND PROVIDE SHUT-OFF ISOLATION VALVES WITHIN RTU PIPING ENCLOSURE CABINET UPSTREAM OF COIL CONNECTIONS AS WELL ON EACH CHWS/R AND HWS/R BRANCH.

A18 OVERALL ROOF PLAN
1" = 30'-0"

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11/30/2026

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

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DATE: 02/23/2026

SCALE: As indicated

SHEET NAME:
OVERALL ROOF PLAN

SHEET NUMBER:
M-104

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CHECKED BY: JV/Checker
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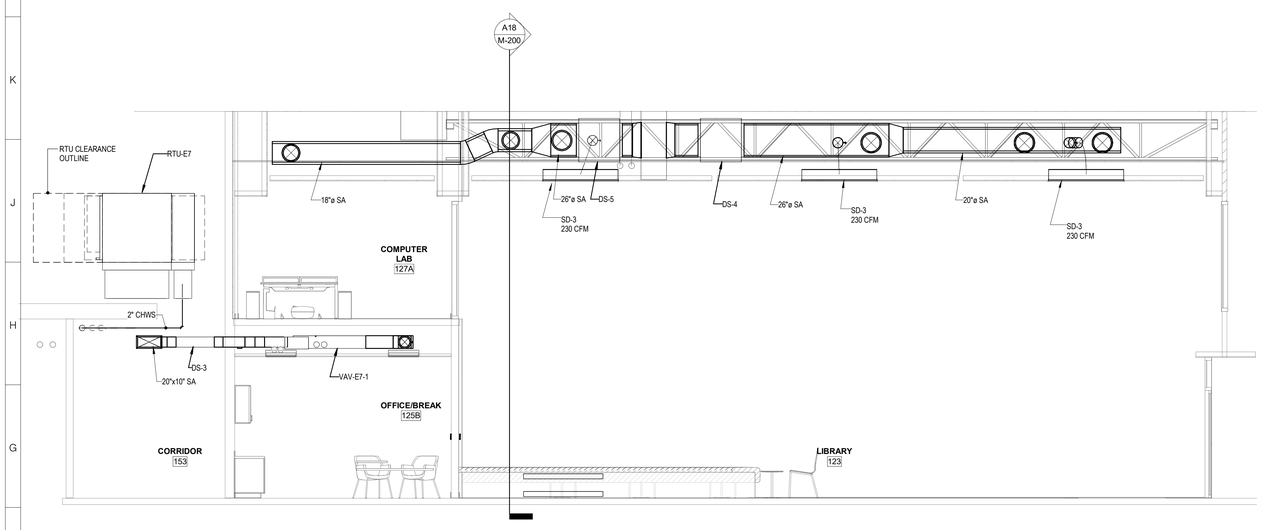
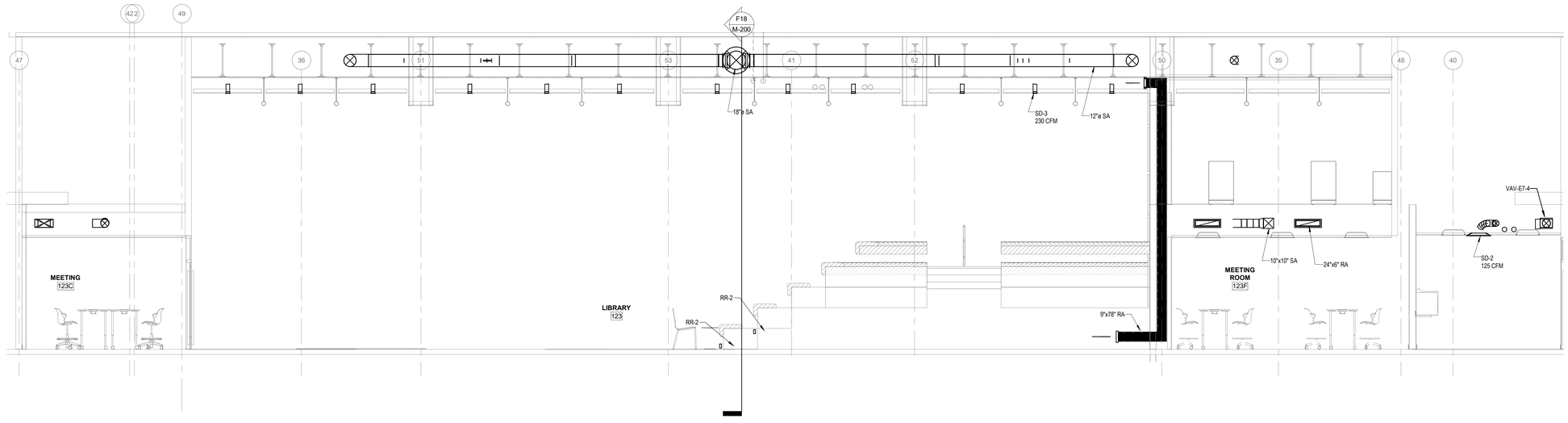


F18 SECTION LOOKING NORTH THROUGH LIBRARY 123

1/4" = 1'-0"



A18 SECTION LOOKING EAST THROUGH LIBRARY 123

1/4" = 1'-0"

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REVISIONS

No.	Description	Date

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

SHEET NAME:
HVAC SECTION DRAWINGS

SHEET NUMBER:

M-200

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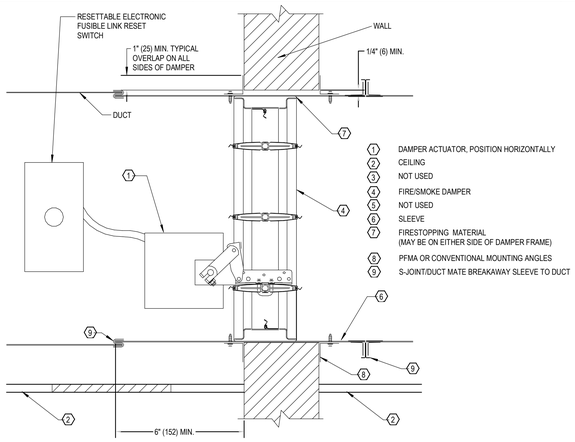
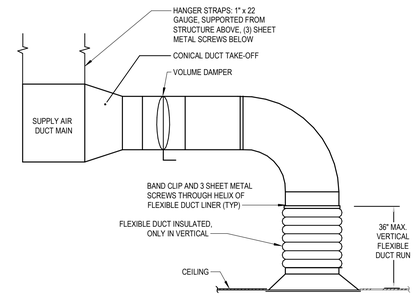
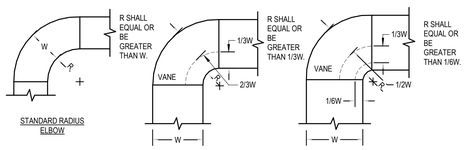


L18 COMBINATION FIRE/SMOKE DAMPER DETAIL
NOT TO SCALE



L13 SUPPLY AIR DUCTWORK CONNECTION DETAIL TO SUPPLY DIFFUSERS
NOT TO SCALE

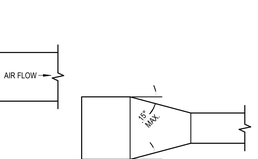


NOTE:
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS SHOWN ON FLOOR PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

M9 DUCTWORK RADIUS ELBOW DETAIL
NOT TO SCALE

NOTE:
1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION.
3. ALL SINGLE THICKNESS VANES SHALL HAVE A 2" RADIUS, 1 1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.
4. WHEN W EQUALS W2 AND W1 IS GREATER THAN 20" VANES SHALL BE DOUBLE VANE TYPE.

M5 DUCTWORK SQUARE VANE ELBOWS DETAIL
NOT TO SCALE

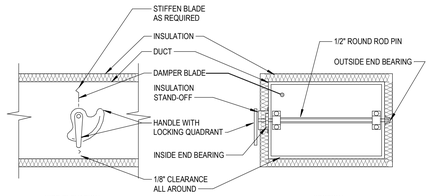


TYPICAL DUCTWORK TRANSITION WITH EQUIPMENT MOUNTED IN DUCT PLAN OR SIDE VIEW

TYPICAL DUCTWORK TRANSITION PLAN OR SIDE VIEW

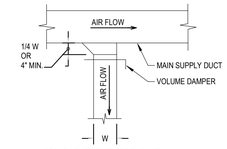
NOTE:
1. UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

H18 DUCTWORK TRANSITIONS INSTALLATION DETAIL
NOT TO SCALE



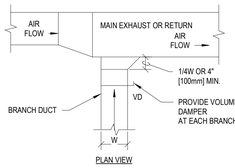
DETAIL NOTES:
A. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
B. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS AND ROUND DAMPERS.

H13 DUCTWORK VOLUME DAMPER DETAIL
NOT TO SCALE

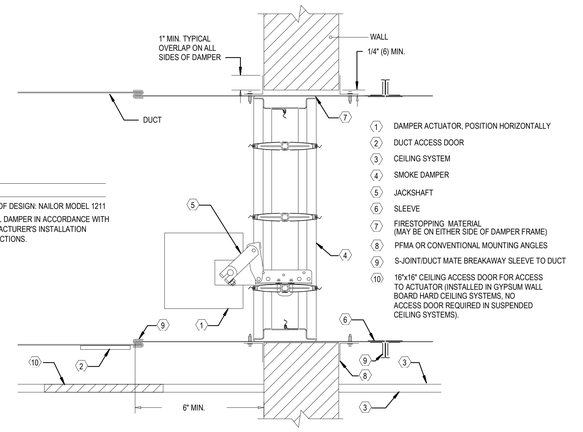


DETAIL NOTES:
A. ALL RECTANGULAR BRANCH DUCT TAKE-OFFS SHALL BE MADE WITH 45 DEGREE ENTRY FITTINGS, SPLITTER DAMPERS AND EXTRACTORS SHALL NOT BE USED.

K9 SUPPLY DUCT TAKE-OFF DETAIL
NOT TO SCALE

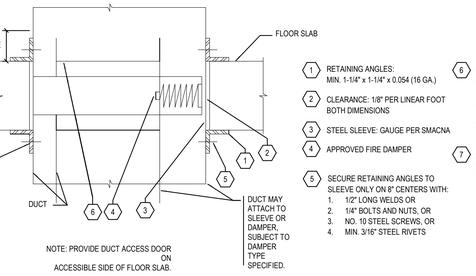


H9 EXHAUST/RETURN BRANCH DUCTWORK
NOT TO SCALE



NOTE:
1. BASIS OF DESIGN: NAILOR MODEL 1211
2. INSTALL DAMPER IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

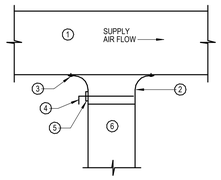
H5 SMOKE DAMPER INSTALLATION DETAIL
NOT TO SCALE



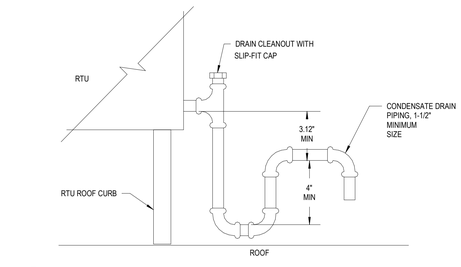
NOTE: PROVIDE DUCT ACCESS DOOR ON ACCESSIBLE SIDE OF FLOOR SLAB.

1 RETAINING ANGLES: MIN. 1-1/4" x 1-1/4" x 0.054 (16 GA.)
2 CLEARANCE: 1/8" PER LINEAR FOOT BOTH DIMENSIONS
3 STEEL SLEEVE: GAUGE PER SMACNA
4 APPROVED FIRE DAMPER
5 SECURE RETAINING ANGLES TO SLEEVE ONLY ON 8" CENTERS WITH:
1. 1/2" LONG WELDS OR
2. 1/4" BOLTS AND NUTS, OR
3. NO. 10 STEEL SCREWS, OR
4. MIN. 3/16" STEEL RIVETS
6 SECURE DAMPER TO SLEEVE ON 8" CENTERS WITH:
1. 1/2" LONG WELDS, OR
2. 1/4" BOLTS AND NUTS IN HOLES PROVIDED, OR
3. NO. 10 STEEL SCREWS, OR
4. MIN. 3/16" STEEL RIVETS
7 SECURE DUCT TO SLEEVE WITH A CONNECTION PERMITTED BY SMACNA

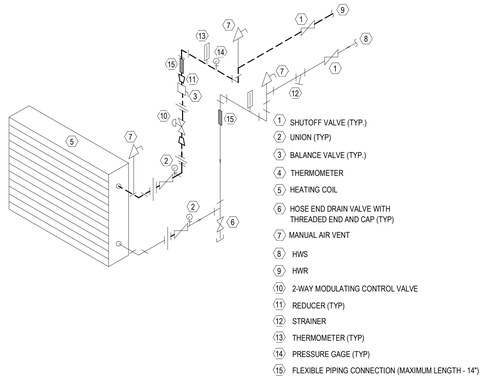
E18 IN-FLOOR FIRE DAMPER DETAIL
NOT TO SCALE



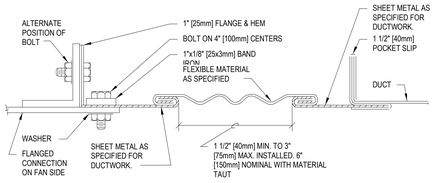
E13 ROUND TAP TO RECTANGULAR DUCT DETAIL
NOT TO SCALE



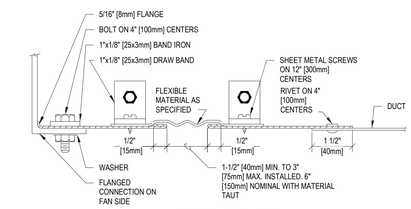
E8 RTU CONDENSATE DRAIN DETAIL
NOT TO SCALE



D5 RTU HEATING COIL DETAIL
NOT TO SCALE

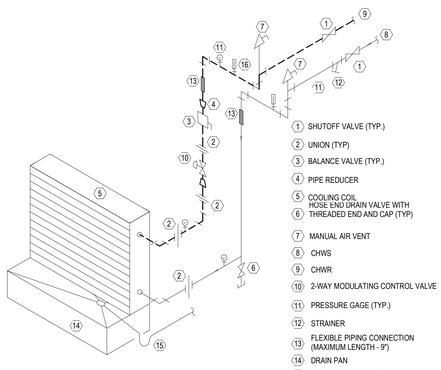


RECTANGULAR FLEXIBLE CONNECTION

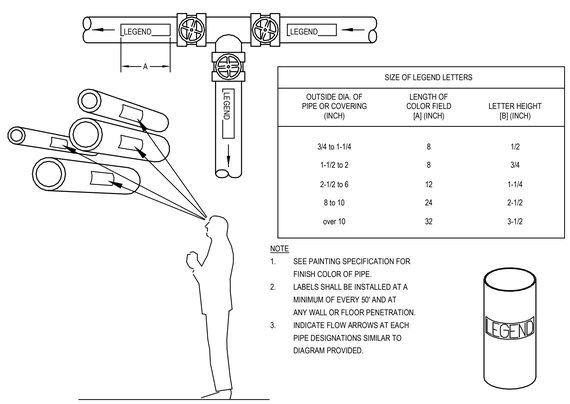


ROUND FLEXIBLE CONNECTION

A18 FLEXIBLE DUCT CONNECTIONS
NOT TO SCALE

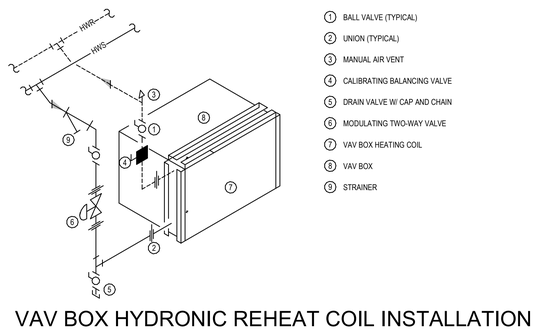


A14 RTU CHILLED WATER COIL DETAIL
NOT TO SCALE



NOTE
1. SEE PAINTING SPECIFICATION FOR FINISH COLOR OF PIPE.
2. LABELS SHALL BE INSTALLED AT A MINIMUM OF EVERY 50' AND AT ANY WALL OR FLOOR PENETRATION.
3. INDICATE FLOW ARROWS AT EACH PIPE DESIGNATIONS SIMILAR TO DIAGRAM PROVIDED.

A10 PIPING SYSTEM IDENTIFICATION
NOT TO SCALE



A5 VAV BOX HYDRONIC REHEAT COIL INSTALLATION DETAIL
NOT TO SCALE

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REGISTRATION EXPIRES: 11/30/2026

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/23/2026
SCALE: NOT TO SCALE
SHEET NAME: HVAC DETAILS
SHEET NUMBER: M-601

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CHECKED BY: jh/dhv
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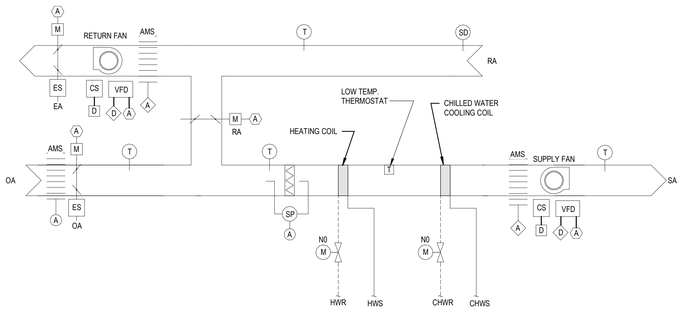


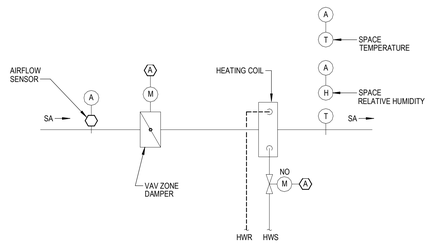
L18 RTU CONTROL DIAGRAM

NOT TO SCALE

RTU-E7 POINTS LIST

ITEM	DIGITAL INPUT	DIGITAL OUTPUT	ANALOG INPUT	ANALOG OUTPUT	NOTES
SUPPLY FAN START / STOP		X			RT, T
RETURN FAN START / STOP		X			RT, T
OUTSIDE AIR DAMPER				X	T
RETURN AIR DAMPER				X	T
SUPPLY FAN SPEED				X	T
RETURN FAN SPEED				X	T
OUTSIDE AIR TEMPERATURE			X		T
MIXED AIR TEMPERATURE			X		T
RETURN AIR TEMPERATURE			X		T
SUPPLY DISCHARGE AIR TEMPERATURE			X		T
FILTER ALARM			X		A
HEATING COIL CONTROL VALVE				X	T

ITEM	DIGITAL INPUT	DIGITAL OUTPUT	ANALOG INPUT	ANALOG OUTPUT	LOCAL INTERLOCK	NOTES
LOW TEMPERATURE THERMOSTAT	X				X	A
RETURN AIR SMOKE DETECTOR	X				X	A
SUPPLY FAN STATUS	X					A
RETURN FAN STATUS	X					A
CHILLED WATER CONTROL VALVE				X		T
OUTSIDE AIR MEASURING STATION AIRFLOW (PROVIDED BY DDC SYSTEM)			X			T
SUPPLY AIRFLOW (FAN INLET MEASURING STATION, FURNISHED WITH RTU)			X			T
RETURN AIRFLOW (FAN INLET MEASURING STATION, FURNISHED WITH RTU)			X			T
EXHAUST AIR DAMPER				X		T



SUPPLY AIR VAV BOX POINTS LIST

ITEM	DIGITAL INPUT	DIGITAL OUTPUT	ANALOG INPUT	ANALOG OUTPUT	NOTES
2-WAY MODULATING HEATING CONTROL VALVE				X	T
SPACE TEMPERATURE			X		T,A
AIRFLOW			X		T,A
DISCHARGE AIR TEMPERATURE			X		T
VAV ZONE DAMPER				X	T
ZONE SETPOINT ADJUSTMENT			X		
ZONE OVERRIDE	X				
SPACE RELATIVE HUMIDITY			X		T,A

F18 SUPPLY AIR VAV BOX WITH REHEAT COIL CONTROL DIAGRAM

NOT TO SCALE

GENERAL NOTE:

1. REFER TO KEYED NOTE 4 ON DRAWING M-103 FOR EXISTING ROOFTOP UNIT RTU-6 NOTES.

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

SCALE: NOT TO SCALE

SHEET NAME:
CONTROL DIAGRAMS

SHEET NUMBER:
M-602

DRAWN BY: JD/JV
CHECKED BY: JD/JV
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ABBREVIATIONS: (SOME MAY NOT BE USED)

A	AMP	DLC	DESIGN LIGHTS CONSORTIUM	HC	HANDICAP ACCESSIBLE	NEC	NATIONAL ELECTRIC CODE
AC	ABOVE COUNTER	DSP	GARBAGE DISPOSAL	HH	HAND HOLE	NL	NIGHT LIGHT
ACC	AIR COOLED CONDENSING UNIT	DW	DISHWASHER	HOA	HAND-OFF-AUTO SWITCH	NO/NC	NORMALLY OPEN/NORMALLY CLOSED
ACP	ACCESS CONTROL PANEL	DWG	DRAWING	HP	HORSEPOWER	OEM	ORIGINAL EQUIPMENT MANUFACTURER
AFCI	ARC FAULT CIRCUIT INTERRUPTER	EC	ELECTRICAL CONTRACTOR	HVAC	HEATING, VENTILATION AND/OR AIR CONDITIONING	OL'S	THERMAL OVERLOAD UNITS
AFF	ABOVE FINISHED FLOOR	ECB	ENCLOSED CIRCUIT BREAKER	IG	ISOLATED GROUND	P	POLE
AFG	ABOVE FINISHED GRADE	EM	EMERGENCY	IN	INCHES	PC	PHOTOCELL
AHU	AIR HANDLING UNIT	EMT	ELECTRICAL METALLIC TUBING	INT	INTERNAL	PE	PHOTO EYE
AWG	AMERICAN WIRE GAGE	ELU	EMERGENCY LIGHTING UNIT	IT	INFORMATION TECHNOLOGIES	PH	PHASE
BFG	BELOW FINISHED GRADE	ES	ELECTRIC STRIKE	JB	JUNCTION BOX	PIV	POST INDICATING VALVE
BLDG	BUILDING	EXR	EXISTING TO REMAIN	K	KILO	POE	POWER OVER ETHERNET
BTU	BRITISH THERMAL UNITS	FA	FIRE ALARM	KVA	KILO-VOLT AMPERE	PR	PAIR
C	CONDUIT	FAAP	FIRE ALARM ANNUNCIATOR PANEL	KW	KILOWATT	PVC	POLYVINYL CHLORIDE
CAT	CATEGORY	FACP	FIRE ALARM CONTROL PANEL	LBS	POUNDS	RAF	RETURN AIR FAN
CB	CIRCUIT BREAKER	FTC	FIBER OPTIC CABLE CROSS CONNECT CABINET	LV	LOW VOLTAGE	RECEPT	RECEPTACLE
CFM	CUBIC FEET PER MINUTE	FLA	FULL LOAD AMPS	MAX	MAXIMUM	RVCC	REMOTE VOICE COMMAND CENTER
CKT	CIRCUIT	FLR	FLOOR	MC	METAL CLAD CABLE	REL	RELOCATE
COMM	COMMUNICATION	FT	FEET	MCB	MAIN CIRCUIT BREAKER	REM	REMOVE
CONT.	CONTINUED	FTL	FEED-THRU LUGS	MDP	MAIN DISTRIBUTION PANEL	REP	REPLACE
CT	CURRENT TRANSFORMER	FVNR	FULL VOLTAGE NON-REVERSING	MH	MOUNTING HEIGHT	RGS	RIGID GALVANIZED STEEL
CU	COPPER	G	GROUND	MIN	MINIMUM	RPM	REVOLUTIONS PER MINUTE
CUH	CABINET UNIT HEATER	GC	GENERAL CONTRACTOR	MLO	MAIN LUGS ONLY	SAF	SUPPLY AIR FAN
CVT	CONTROL VOLTAGE TRANSFORMER	GFI	GROUND FAULT CIRCUIT INTERRUPTER	MM	MULTIMODE FIBER OPTIC CABLE	SCH	SCHEDULE
CVR	COVER	GPM	GALLONS PER MINUTE	MS	MOTOR STARTING	SER	SERVICE ENTRANCE RATED
DDC	DIRECT DIGITAL CONTROL	H	HEIGHT	MTG	MOUNTING	WG	WIRE GUARD

SYMBOLS LEGEND:

- SURFACE MOUNTED PANEL
- RECESSED PANEL
- (J) OR [J] JUNCTION BOX
- HOME RUN TO PANEL. 2#12, #12G, 3/4"C UNLESS OTHERWISE NOTED. PROVIDE SEPARATE GROUND AND NEUTRAL FOR EACH BRANCH CIRCUIT. 'X'-INDICATES PANEL 'Z, Y'-INDICATES CIRCUIT NUMBERS
- CIRCUIT CONTINUATION WITH 'Y' INDICATING DEVICE OR AREA DESCRIPTION 'X'-INDICATES PANEL 'Z, Y'-INDICATES CIRCUIT NUMBERS
- CIRCUIT CONSISTING OF GROUND, NEUTRAL AND PHASE CONDUCTORS. ADDITIONAL SLASH MARKS INDICATE SWITCHING OR TRAVELER CONDUCTORS, AND A LONG SOLID LINE INDICATES NEUTRAL. A SEPARATE GREEN GROUND CONDUCTOR SHALL BE PLACED IN ALL NEW CIRCUITS
- CONNECTION POINT
- CAPPED CONDUIT
- CONDUIT TURNED DOWN
- CONDUIT TURNED UP
- LINE TYPE SHOWING WIRING BETWEEN LOW VOLTAGE DEVICES
- $ SINGLE POLE SWITCH, 20 AMP 120/277 UNLESS NOTED OTHERWISE 'PRY'-INDICATES FAN CONTROL SWITCH 'P'-INDICATES PILOT LIGHT 'MS'-INDICATES 1HP RATED GENERAL USE 'SNAP SWITCH' WITH OVERLOADS SIZED FOR EQUIPMENT AND LOCKABLE HASP '3MS'-INDICATES 3 POLE 600 VOLT 30 AMP 3HP RATED MANUAL MOTOR STARTER WITH LOCKABLE HASP 'WP'-INDICATES WEATHER PROOF '3': INDICATES THREE WAY SWITCH '4' INDICATES FOUR WAY SWITCH 'K' INDICATES KEYED SWITCH 'LV' INDICATES LOW VOLTAGE MOMENTARY SWITCH 'LVD'-INDICATES LOW VOLTAGE MULTIFUNCTION DIMMING SWITCH, 6-BUTTON 'VS' INDICATES VACANCY SENSOR SWITCH 'VS2' INDICATES 2 POLE WALL MOUNTED VACANCY SENSOR SWITCH 'D' INDICATES DIMMER SWITCH 'LVD'-INDICATES LOW VOLTAGE MULTIFUNCTION DIMMING SWITCH 'VSD' INDICATES DIMMING VACANCY SENSOR SWITCH 'SP'-INDICATES SPEAKER CONTROL
- NEMA 1 NON-FUSED DISCONNECT UON 'XX'- INDICATES DISCONNECT SIZE 'Y'- NUMBER OF POLES
- NEMA 1 FUSED DISCONNECT UON 'XX'- INDICATES DISCONNECT SIZE 'Y'- NUMBER OF POLES 'ZZ'- FUSE SIZE
- COMBINATION MOTOR STARTER, SIZE AS INDICATED 'XX'- INDICATES DISCONNECT SIZE 'Y'- NUMBER OF POLES 'ZZ'- FUSE SIZE 'NF'- NON-FUSED
- VFD VARIABLE FREQUENCY DRIVE. HP AS INDICATED
- VFD COMBINATION NON-FUSED DISCONNECT VARIABLE FREQUENCY DRIVE. HP AS INDICATED
- DUPLEX RECEPTACLE. 'GFI'-INDICATES GROUND FAULT CIRCUIT INTERRUPTER 'AFI'-INDICATES ARC FAULT CIRCUIT INTERRUPTER 'WP'-WEATHER-PROOF 'AC'-INDICATES ABOVE COUNTER, VERIFY HEIGHT 'SR'-INDICATES SURFACE RACEWAY'
- ABOVE COUNTER GFI DUPLEX RECEPTACLE, VERIFY HEIGHT
- QUADRAPLEX RECEPTACLE
- SIMPLEX RECEPTACLE
- SPECIAL RECEPTACLE, TYPE AS INDICATED
- DUPLEX RECEPTACLE WITH 2-USB CHARGING PORTS, 3.6 AMP SMART OUTPUT. LEVITON T5832 OR EQUAL
- CEILING MOUNTED DUPLEX RECEPTACLE 'DC'-INDICATES DROP CORD
- FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE
- FBI FLUSH FLOOR MOUNTED POWER AND DATA FLOOR BOX. ROUND 8" ALUMINUM FLIP COVER. 1-20 AMP DUPLEX RECEPTACLE W/2 USB CHARGING POINTS. 2-CAT 6 RJ45 JACKS. 1-3/4"C POWER. 1-1"C DATA STEEL CITY #68-P
- TELEPHONE OUTLET MOUNTED AT 48" UON WITH 1" CONDUIT UP TO ABOVE CEILING. 1-PORT IN FACEPLATE. PROVIDE 1-CAT 6 CABLE
- DATA OUTLET WITH 1" CONDUIT UP TO ABOVE CEILING. 1-PORT IN FACEPLATE UON. PROVIDE 1-CAT 6 CABLE UON
- TELE/DATA OUTLET WITH 1" CONDUIT UP TO ABOVE CEILING. 2-PORTS IN FACEPLATE. PROVIDE 2-CAT 6 CABLES
- CEILING MOUNTED DATA OUTLET. 1-PORT IN FACEPLATE UON. PROVIDE 1-CAT 6 CABLE UON
- FLUSH FLOOR MOUNTED DATA OUTLET WITH 1" CONDUIT UP TO ABOVE CEILING. 2-PORTS IN FACEPLATE UON. PROVIDE 2-CAT 6 CABLE UON
- CEILING MOUNTED WIFI ANTENNA. PROVIDE CABLE ABOVE CEILING. PROVIDE 1 CAT 6 CABLE WITH 10' SERVICE LOOP. FOR NON-ACCESIBLE CEILINGS. INSTALL LOW VOLTAGE RING WALL MOUNTED AT 84" UON.
- TP WALL MOUNTED TOUCH SCREEN CONTROLLER. SYSTEM AS INDICATED.
- AV WALL MOUNTED 4" SQUARE JUNCTION BOX, EXTRA DEEP FOR AV CABLE PROVIDE 2-1 1/2" CONDUITS TO ABOVE CEILING
- AV CEILING MOUNTED 4" SQUARE JUNCTION BOX, EXTRA DEEP FOR AV CABLE PROVIDE 2-1" CONDUITS TO ABOVE CEILING
- AV FLUSH FLOOR MOUNTED 4" SQUARE FLOOR BOX, EXTRA DEEP FOR AV CABLE PROVIDE 2-1 1/2" CONDUITS TO ABOVE CEILING
- TV CABLE TV OUTLET WITH 1" CONDUIT UP TO ABOVE CEILING. 1 PORT IN FACEPLATE. PROVIDE 1 RG-6/U COAXIAL CABLE
- MICROPHONE OUTLET
- FLOOR BOX MICROPHONE OUTLET
- SPEAKER OUTLET
- MEDIA CAMERA
- SP OR SP WALL OR CEILING MOUNTED SPEAKER PA SYSTEM
- HSP OR SP WALL OR CEILING MOUNTED SOUND SYSTEM/THEATRICAL SPEAKER
- TBB TELEPHONE BACKBOARD. FIRE RETARDANT PLYWOOD PAINTED WITH 2 COATS GRAY FIRE RETARDANT PAINT
- GB GROUNDING BAR
- ADR M AREA OF REFUGE MASTER STATION
- ADR C AREA OF REFUGE CALL STATION
- FACP FIRE ALARM CONTROL PANEL
- FAAP REMOTE ANNUNCIATOR PANEL
- F PULL STATION
- SD OR SD WALL MOUNTED OR CEILING MOUNTED SMOKE DETECTOR. PHOTOELECTRIC UON
- CO SD SMOKE DETECTOR WITH CARBON MONOXIDE BASE
- HD HEAT DETECTOR. RATE OF RISE, FIXED TEMPERATURE 135° F
- CO CARBON MONOXIDE DETECTOR
- DS PHOTOELECTRIC DUCT SMOKE DETECTOR DUCT SMOKE
- BR PROJECTED BEAM TYPE SMOKE DETECTOR 'R' INDICATES RECEIVER 'T' INDICATES TRANSMITTER
- RI REMOTE INDICATOR AND TEST STATION
- F/S FIRE SMOKE DAMPER
- S SMOKE DAMPER
- X WALL MOUNTED STROBE ONLY NOTIFICATION APPLIANCE. 15 CANDELA UNLESS NOTED OTHERWISE 'X' INDICATES CANDELA RATING STROBE UON
- X CEILING MOUNTED STROBE ONLY NOTIFICATION APPLIANCE. 110 CANDELA UNLESS NOTED OTHERWISE 'X' INDICATES CANDELA RATING STROBE UON
- F WALL MOUNTED FIRE ALARM HORN ONLY
- F X WALL MOUNTED FIRE ALARM COMBINATION HORN/STROBE. 15 CANDELA UNLESS NOTED OTHERWISE 'X' INDICATES CANDELA RATING STROBE UON
- S CEILING MOUNTED FIRE ALARM SPEAKER
- DH DOOR HOLD OPEN DEVICE 'F' DESIGNATION INDICATES FLOOR MOUNTED
- CM FIRE ALARM CONTROL MODULE
- MM FIRE ALARM MONITOR MODULE
- PS SPRINKLER PRESSURE SWITCH
- FS SPRINKLER FLOW SWITCH
- TS SPRINKLER TAMPER SWITCH
- R FIRE ALARM RELAY
- OS CEILING MOUNTED OCCUPANCY SENSOR. DUAL TECHNOLOGY ULTRASONIC/PIR UNLESS NOTED OTHERWISE 'MP'-INDICATES MICROPHONICS 'XR'-INDICATES EXTENDED RANGE
- PP LIGHTING POWER PACK
- OR CEILING OR WALL MOUNTED LED EXIT SIGN, PROVIDE DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS
- OR CEILING OR WALL MOUNTED EMERGENCY LIGHTING UNIT
- OR CEILING OR WALL MOUNTED COMBINATION EXIT SIGN / EMERGENCY LIGHTING UNIT
- WALL MOUNTED LIGHT. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- WALL MOUNTED SCONCE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- LINEAR WALL MOUNTED. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- LIGHT FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- BALLAST DIRECTION INDICATED FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- LINEAR VARIABLE LENGTH OR EXISTING FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- LINEAR PENDANT FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- DIRECTIONAL UPLIGHT OR WALLWASH FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- LINEAR STRIP FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- OR SURFACE DOWNLIGHT. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- OR RECESSED DOWNLIGHT. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- OR PENDANT MOUNTED FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- ROOFTOP MOUNTED FLOODLIGHT MOUNTED FIXTURE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- SPOTLIGHT. SEE LIGHT FIXTURE SCHEDULE FOR TYPE
- OR ADDED TO A FIXTURE INDICATES EMERGENCY OR GENERATOR POWERED CIRCUIT 'EM'-INDICATES EMEGENCY BATTERY CIRCUIT 'NL'-INDICATES NIGHT LIGHT
- ACP ACCESS CONTROL PANEL
- CR CARD READER
- LD EMERGENCY LOCK DOWN BUTTON
- DC DOOR CONTACTS
- ES ELECTRIC STRIKE
- DO DOOR OPERATOR POWER CONNECTION
- PA DOOR OPERATOR PUSH PAD ACTUATOR
- SA DOOR OPERATOR SWIPE ACTUATOR
- HC HANDICAP DOOR OPERATOR PUSH PAD ACTUATOR
- CAMERA. POE TYPE. 1-CAT 6 CABLE IN 1" CONDUIT.
- C OR C CAMERA.

GENERAL INSTALL NOTES:

1. GENERAL INSTALLATION NOTES
2. LOCATIONS ARE BASED UPON AVAILABLE DOCUMENTATION AND CASUAL FIELD OBSERVATION. CONFIRM ALL LOCATIONS WITH FIELD OBSERVATIONS, MEASUREMENTS AND INVESTIGATION.
3. PROVIDE LIFTS, LADDERS AND OTHER EQUIPMENT REQUIRED TO GAIN ACCESS FOR ALL ELEVATED WORK. OWNER'S LIFTS AND LADDERS SHALL NOT BE USED.
4. PROVIDE ACCURATE, TYPED, PANEL DIRECTORY FOR ALL PANELS INSTALLED OR MODIFIED AS PART OF THE WORK.
5. PROVIDE CIRCUIT BREAKERS LISTED/LABELED FOR EXISTING PANELS TO SUPPLY BRANCH CIRCUITS.
6. FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS AND FLOOR WITH A LISTED FIRESTOP METHOD MATCHING THE F AND T RATINGS OF THE PENETRATED MEDIUM.
7. SEAL ALL PENETRATIONS THROUGH EXTERIOR WALLS OR THROUGH WALLS OR ROOFS SUBJECT TO MOISTURE.
8. COORDINATE WITH OTHER TRADES LOCATIONS OF DISCONNECTS, MOTOR CONTROLLERS AND OTHER ELECTRICAL EQUIPMENT TO PROVIDE REQUIRED CLEARANCES.
9. PROVIDE BRANCH CIRCUIT TO TERMINALS OF MECHANICAL EQUIPMENT AND MAKE TERMINATIONS.
10. CONNECT EXIT SIGNS AND EMERGENCY LIGHTING UNITS (ELU'S) AHEAD OF LOCAL SWITCHING TO THE SAME CIRCUIT AS THE AREA'S GENERAL LIGHTING. TYPICAL FOR ALL ELU'S AND EXIT SIGNS UNLESS OTHERWISE NOTED.
11. PROVIDE MOUNTING HARDWARE AND MANUFACTURER'S ACCESSORIES FOR LIGHTING FIXTURES AS REQUIRED FOR A COMPLETE INSTALLATION.
12. THE EXISTING FIRE ALARM PANEL IS A FIRELITE BY HONEYWELL ES-200X PANEL MAINTAINED BY SAFENET SECURITY. OBTAIN THE SERVICES OF THE OWNER'S FIRE ALARM VENDOR FOR PROGRAMMING, ADDITIONS, AND/OR RELOCATIONS OF EXISTING SECURITY SYSTEM DEVICES. PROTECT SMOKE DETECTORS DURING CONSTRUCTION. TAKE MEASURES TO PREVENT FIRE ALARM SYSTEM TRIP DUE TO CONSTRUCTION. RESTORE FIRE ALARM TO FULL FUNCTION WHEN CONSTRUCTION WORK CEASES EACH DAY OR PORTION OF WORK DAY.
13. PROVIDE REDLINED AS-BUILTS INDICATING AS-INSTALLED CIRCUITING DESIGNATIONS AT THE COMPLETION OF THE WORK.

GENERAL REMOVAL NOTES:

1. REMOVAL DRAWINGS INDICATE DEVICE LOCATIONS, EQUIPMENT CONNECTIONS, AND PANEL LOCATIONS AS OBSERVED IN THE FIELD. EXISTING PANEL INFORMATION IS BASED ON FIELD OBSERVATION AND AS BUILT DRAWINGS. VERIFY CIRCUITING IN FIELD PRIOR TO REMOVAL. CONFIRM ALL LOCATIONS WITH FIELD OBSERVATIONS, MEASUREMENTS, AND INVESTIGATION. REMOVE ELECTRICAL ITEMS SHOWN ON PLANS UNLESS NOTED OTHERWISE.
2. PROVIDE ELECTRICAL DEMOLITION FOR EQUIPMENT INDICATED ON PLANS AND AS REQUIRED FOR REMOVAL OR ABANDONMENT OF SYSTEMS.
3. EQUIPMENT AND DEVICES, ETC. MADE OBSOLETE BY THIS PROJECT, AND AS REQUIRED FOR DEMOLITION AND REMODELING WORK BY THE OTHER TRADES. REMOVE EXISTING ELECTRICAL EQUIPMENT, DEVICES, RACEWAYS, WIRING AND RELATED MATERIALS WITHIN THE PROJECT WORK LIMITS, AS INDICATED OR REQUIRED.
4. REMOVE ABANDONED RACEWAYS, BOXES, SUPPORTS, ETC. WHERE EXPOSED (INCLUDING THOSE LOCATED ABOVE EXISTING OR SUSPENDED CEILINGS), AND WHERE THEY INTERFERE WITH WORK OF ANY TRADE
5. RECONNECTIONS: WHERE EXISTING ELECTRICAL CIRCUITS SERVING EXISTING LIGHTING FIXTURES, WIRING DEVICES, ETC. WHICH ARE TO REMAIN BECOME DISCONNECTED OR OTHERWISE DISRUPTED AS A RESULT OF DEMOLITION WORK, REROUTE AND RECONNECT CIRCUITS, PROVIDE CIRCUITING, ETC. AS REQUIRED TO RESTORE ORIGINAL OPERATION TO THE EXISTING FIXTURES AND DEVICES REMAINING. RECONNECTION WORK TO COMPLY WITH REQUIREMENTS FOR THE WORK.
6. PROVIDE LIFTS, LADDERS, AND OTHER EQUIPMENT REQUIRED TO GAIN ACCESS FOR ALL ELEVATED WORK. OWNER'S LIFTS AND LADDERS SHALL NOT BE USED.
7. COORDINATE REMOVALS WITH THE ARCHITECTURAL PLANS.
8. COORDINATE ELECTRICAL REMOVALS WITH OTHER TRADES.
9. CONDUCT REMOVALS TO ALLOW EXISTING RECEPTACLES TO REMAIN TO STAY ON THEIR EXISTING CIRCUIT(S) SHOULD A NEW CIRCUIT OR DEDICATED CIRCUIT NOT BE INDICATED ON THE DRAWINGS.
10. REMOVE CONDUCTORS AND CONDUIT BACK TO SOURCE PANEL WHERE NOT INDICATED FOR REUSE.
11. MAINTAIN CIRCUIT CONTINUITY TO SYSTEMS AND ROOMS ADJACENT TO RENOVATION AND CONSTRUCTION AREAS. PERMANENTLY REPAIR CIRCUITS OR WIRING DISTURBED, MODIFIED, OR DISPLACED BY THE WORK.
12. REPAIR ALL OPEN PENETRATIONS CREATED BY REMOVAL OF ELECTRICAL RACEWAYS.
13. REMOVE CONDUIT AND CONDUCTORS ASSOCIATED WITH FIXTURES, DEVICES, AND EQUIPMENT REMOVED.
14. PROVIDE COVER PLATES FOR ABANDONED FLUSH MOUNTED DEVICES.
15. REMOVE DATA JACKS AND CABLING BACK TO DATA RACKS. REMOVE PHONE JACKS AND CABLING BACK TO TELEPHONE PUNCH PANEL.
16. PROVIDE TEMPORARY LIGHTING TO 10 FC WHERE LIGHTING IS REMOVED OR TEMPORARILY DIMINISHED OR DISABLED.
17. THE EXISTING FIRE ALARM PANEL IS A FIRELITE BY HONEYWELL ES-200X PANEL MAINTAINED BY SAFENET SECURITY. OBTAIN THE SERVICES OF THE OWNER'S FIRE ALARM VENDOR FOR PROGRAMMING, ADDITIONS, AND/OR RELOCATIONS OF EXISTING SECURITY SYSTEM DEVICES.
18. PROTECT SMOKE DETECTORS DURING CONSTRUCTION. TAKE MEASURES TO PREVENT FIRE ALARM SYSTEM TRIP DUE TO CONSTRUCTION. RESTORE FIRE ALARM TO FULL FUNCTION WHEN CONSTRUCTION WORK CEASES EACH DAY OR PORTION OF WORK DAY.
19. DO NOT ALLOW FIRE ALARM CONTROL PANEL TO REMAIN IN 'TROUBLE' DURING REMOVALS. AFTER COMPLETION OF EACH DAY'S WORK REPROGRAM PANEL OR MAKE REPAIRS TO 'PLACE PANEL IN 'NORMAL' CONDITION.

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STATE OF NEW YORK — MICHAEL OWEN — 090612 — LICENSED PROFESSIONAL ENGINEER

REGISTRATION EXPIRES: 10/31/2026

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

SCALE: AS SHOWN

SHEET NAME:
ELECTRICAL LEGEND AND PROJECT NOTES

SHEET NUMBER:
E-001

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DRAWN BY: AVDev
CHECKED BY: JTucker
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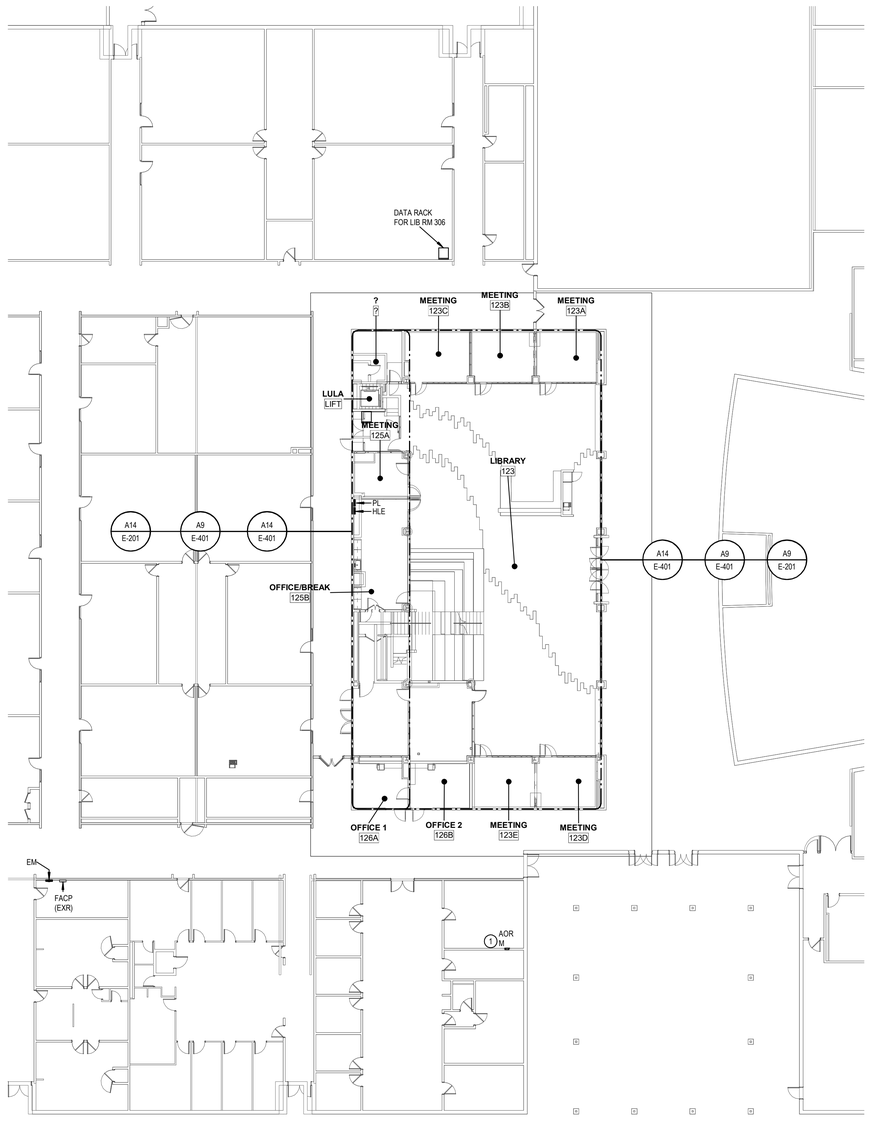
GENERAL NOTES:

1. REFER TO SHEET E001 FOR GENERAL NOTES.

KEYED NOTES:

(1) PROVIDE AREA OF REFUGE(TALKAPHONE AOR-5) MASTER SYSTEM AND LOCATE IN SCHOOL OFFICE. PROVIDE 120 VOLT CIRCUIT TO MASTER SYSTEM AND TELEPHONE LINE. PROVIDE AREA OF REFUGE CALL STATIONS (TALKAPHONE AOR-CSE-FM) AT LOCATIONS SHOWN ON PLANS. PROVIDE CAT 6 CABLE FROM EACH CALL STATION BACK TO MASTER STATION. CALL STATIONS ARE POE FROM MASTER STATION.



A14 OVERALL ELECTRICAL PLAN

1/16" = 1'-0"

16' 8' 0 16' 32'

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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

SCALE: AS SHOWN

SHEET NAME:
OVERALL ELECTRICAL PLAN

SHEET NUMBER:

E-100

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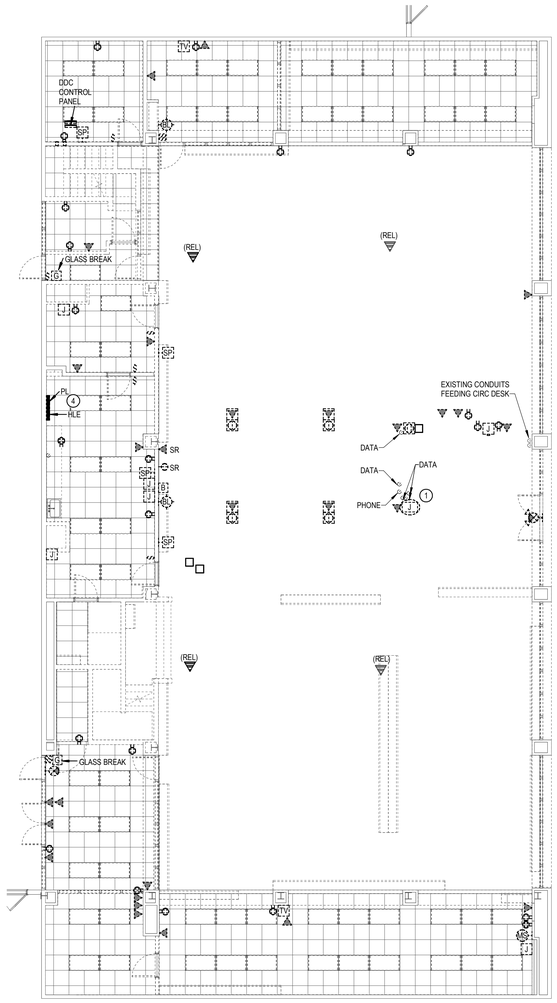
GENERAL NOTES:

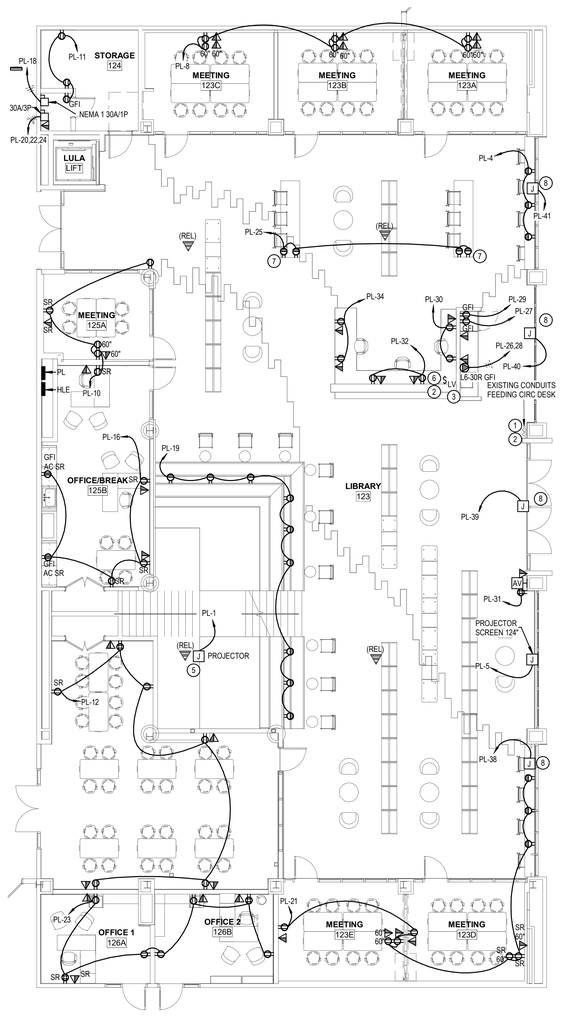
1. REFER TO SHEET E-001 FOR GENERAL NOTES.

KEYED NOTES:

1. CUT BACK EXISTING CONDUITS AND EXTEND UNDER SLAB TO NEW LOCATION OF CIRCULATION DESK. REUSE THE VERTICAL CONDUIT RUNS ON THE EXISTING CORRIDOR LOBBY WALL TO RUN POWER TO THE DESK. PROVIDE CIRCUITS INDICATED. THE EXISTING CONDUITS ARE 2-1", 1 FOR POWER, 1 FOR DATA.
2. GC WILL PROVIDE SLAB CUTS IN THESE AREAS TO ALLOW INSTALLATION OF CONDUIT UNDER SLAB TO SERVE CIRCULATION DESK. PROVIDE 3-1" CONDUITS FROM WALL UG TO DESK. 2 FOR POWER, 1 FOR DATA. PROVIDE 1, 1 1/4" CONDUIT FOR AV. STUB UP AND TERMINATE CONDUITS IN DESK AND EXTEND CONDUIT AND CONDUCTORS TO SYSTEMS THEY SERVE. REFER TO ARCHITECTURAL DRAWINGS FOR SLAB CUT LOCATIONS
3. PROVIDE LOW VOLTAGE PROJECTION SCREEN CONTROLLER SWITCH. PROVIDE WIRING FROM SCREEN TO CONTROL SWITCH.
4. REPLACE EXISTING PANELBOARDS. REUSE FEEDERS, REPLACE BRANCH CIRCUIT WIRING TO ALL DEVICES FED FROM THESE PANELS, BOTH EXISTING AND DEVICES AND SYSTEMS ADDED UNDER THIS WORK.
5. PROVIDE AV CABLE FROM CIRCULATION DESK UP TO ABOVE CEILNG AND OVER TO PROJECTOR. TERMINATE PER AV DETAILS.
6. PROVIDE AV RACK IN DESK. REFER TO AV DRAWINGS AND DETAILS.
7. GC WILL PROVIDE SLAB CUTS IN THESE AREAS TO ALLOW INSTALLATION OF CONDUIT UNDER SLAB TO SERVE RECEPTACLES.
8. PROVIDE CIRCUIT TO MOTORIZED SHADES. PROVIDE LV WIRING FROM SHADES TO SHADE CONTROLLER AT CIRCULATION DESK. LOCATE CONTROLLER AS DIRECTED.



A14 ENLARGED LIBRARY ELECTRICAL REMOVALS
1/8" = 1'-0"



A9 ENLARGED LIBRARY ELECTRICAL PLAN
1/8" = 1'-0"

8' 4' 0 8' 16'

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REGISTRATION EXPIRES:
10/31/2026

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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

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ISSUED: BID SET ISSUANCE
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SHEET NAME: ENLARGED ELECTRICAL PLANS
SHEET NUMBER: E-101

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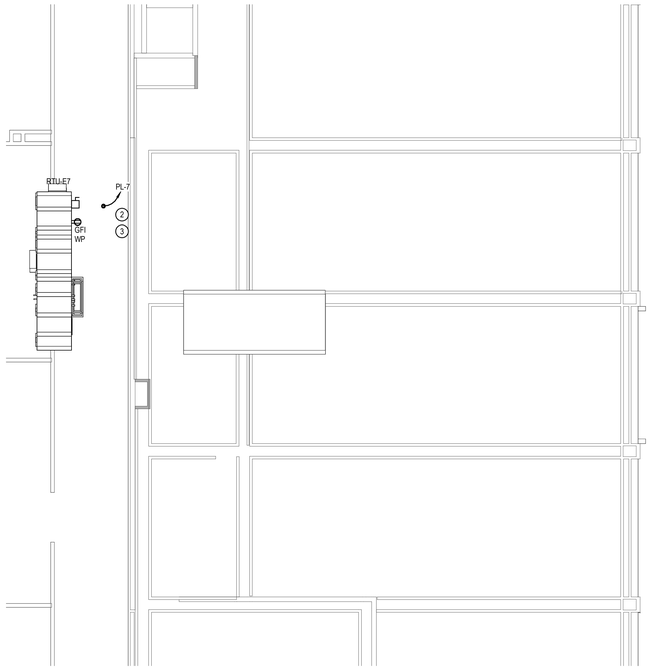


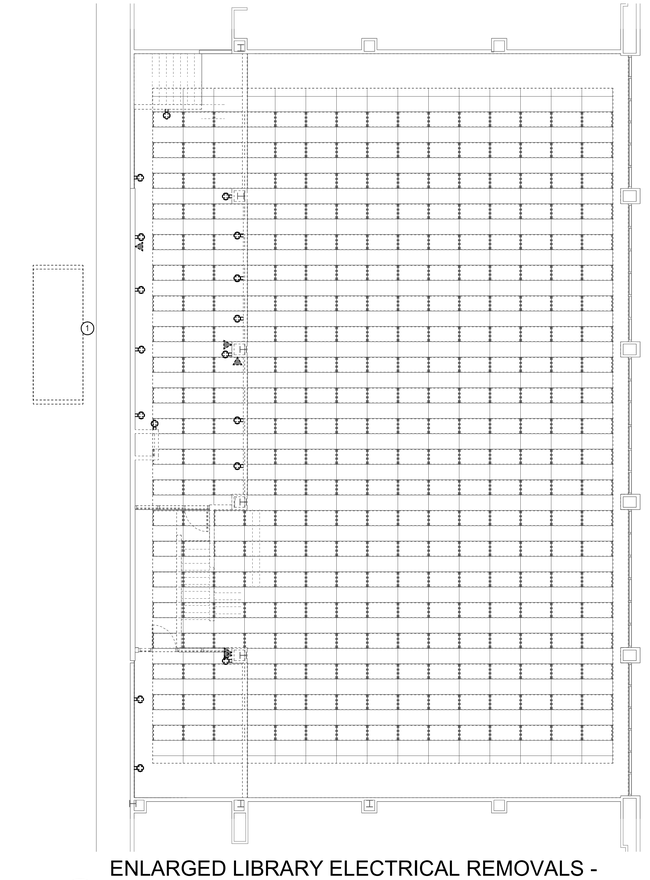
H14 ROOF POWER PLAN - LIBRARY
1/8" = 1'-0"

GENERAL NOTES:

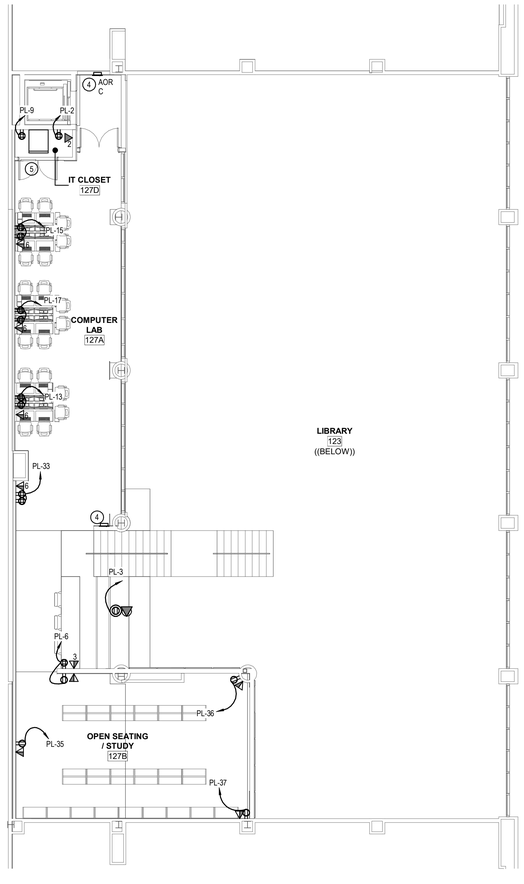
1. REFER TO SHEET E-001 FOR GENERAL NOTES.

KEYED NOTES:

1. DISCONNECT EXISTING 30 AMP 480 VOLT POWER FEEDER TO EXISTING RTU-7 AND PREPARE FOR REUSE. CONFIRM SOURCE PANEL IN FIELD PRIOR TO DISCONNECTION.
2. PROVIDE 30 AMP NEMA 3R FUSED DISCONNECT WITH 15 AMP FUSES AT ROOF LEVEL. FROM DISCONNECT PROVIDE 3#12,#12G, ¾" C TO SUPPLY FAN AND 3#12,#12G,3/4" TO EXHAUST FAN. PROVIDE 120 VOLT 20 AMP CIRCUIT TO LED LIGHT GFI FROM PANEL PL.
3. PROVIDE CIRCUIT FROM PANEL PL(SAME CIRCUIT AS LIGHT RECEPTACLE) FOR INTEGRAL CONVENIENCE RECEPTACLES.
4. PROVIDE AREA OF REFUGE(TALKAPHONE AOR-S) MASTER SYSTEM AND LOCATE IN SCHOOL OFFICE. PROVIDE 120 VOLT CIRCUIT TO MASTER SYSTEM AND TELEPHONE LINE. PROVIDE AREA OF REFUGE CALL STATIONS (TALKAPHONE AOR-CSE-FM) AT LOCATIONS SHOWN ON PLANS. PROVIDE CAT 6 CABLE FROM EACH CALL STATION BACK TO MASTER STATION. CALL STATIONS ARE POE FROM MASTER STATION.
5. PROVIDE 12 SM FIBER OPTIC CABLE FROM DATA RACK SHOWN ON E100 TO SERVE LIBRARY DATA CLOSET. PROVIDE FIBER OPTIC TERMINATION CABINET. PROVIDE 4 POST FLOOR MOUNTED RACK, CAT 6 PATCH PANELS, WIRE MANAGEMENT, ETC. PROVIDE #6 GROUND FROM DATA RACK SHOWN ON SHEET E100 AND BOND TO RACK. USE THIS RACK TO SERVE ALL DATA OUTLETS IN THE LIBRARY.



A14 ENLARGED LIBRARY ELECTRICAL REMOVALS - UPPER LEVEL
1/8" = 1'-0"



A9 ENLARGED LIBRARY ELECTRICAL PLAN - UPPER LEVEL
1/8" = 1'-0"

6' 4' 0 8' 16'

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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

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ISSUED: BID SET ISSUANCE
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SHEET NAME: ENLARGED UPPER LEVEL AND ROOF ELECTRICAL PLANS
SHEET NUMBER: E-102

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GENERAL NOTES:

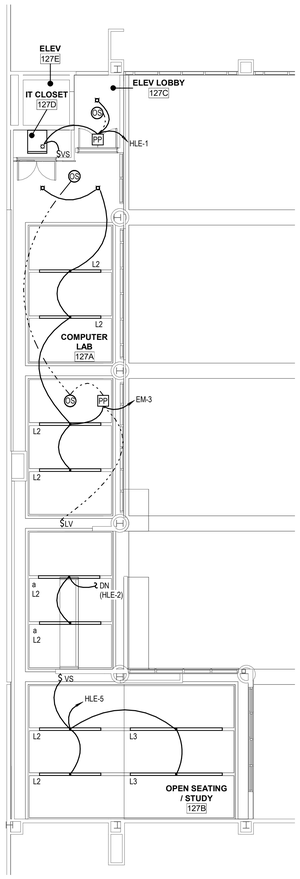
1. REFER TO SHEET E001 FOR GENERAL NOTES.

KEYED NOTES:

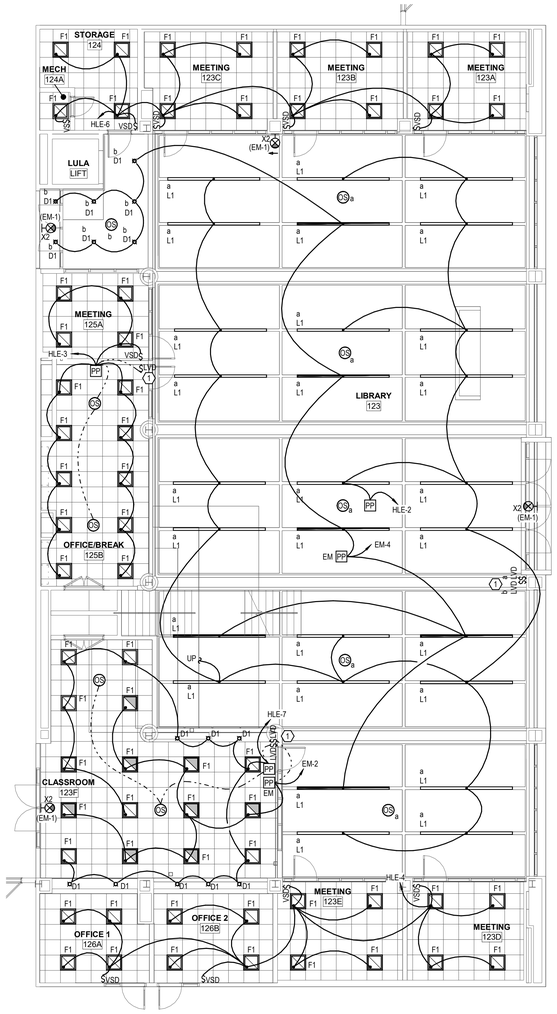
(1) RESERVED

LIGHTING CONTROL NOTES:

(1) LIGHTING AUTOMATICALLY ON TO 50%. MANUAL CONTROL TO 100%. OFF AFTER 20 MINUTES OF NO DETECTED ACTIVITY OR MANUAL OFF.



A14 ENLARGED LIBRARY LIGHTING PLAN - UPPER LEVEL
1/8" = 1'-0"



A9 ENLARGED LIBRARY LIGHTING PLAN
1/8" = 1'-0"

8' 4' 0 8' 16'

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10/31/2026

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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/23/2026
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SHEET NAME: LIGHTING PLANS
SHEET NUMBER: E-201

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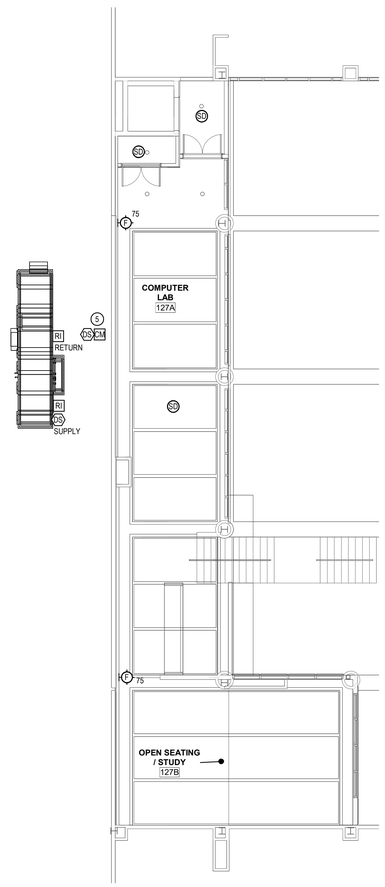
GENERAL NOTES:

1. REFER TO SHEET E001 FOR GENERAL NOTES.

KEYED NOTES:

1. PROVIDE FIRE ALARM CONTROL MODULE AND 120 VOLT CIRCUIT TO FIRE SMOKE DAMPERS. PROGRAM CONTROL MODULE TO CLOSE FIRE SMOKE DAMPER UPON ALARM OF DUCT SMOKE DETECTOR. PROVIDE WIRING, INCLUDING ANY CONTROL WIRING, PER MANUFACTURERS INSTRUCTIONS. PROVIDE CONTROL RELAY FOR HVAC UNIT SHUTDOWN. LOCATE CONTROL RELAY AT UNIT. UNIT SHALL SHUT DOWN UPON ACTIVATION OF ANY DUCT SMOKE DETECTOR ASSOCIATED WITH RESPECTIVE UNIT. PROVIDE REMOTE TEST AND INDICATING STATION IN CEILING BELOW DUCT SMOKES. PROVIDE DUCT SMOKE DETECTOR IN THE IN THE SUPPLY AND RETURN DUCT OF INDICATED UNIT. LOCATE DUCT SMOKE DETECTOR UPSTREAM OF ALL BRANCHES. PROVIDE CONTROL RELAYS AS NECESSARY TO SHUT DOWN ROOFTOP UNIT THAT DUCTWORK RETURNS TOO. PROVIDE WIRING, INCLUDING ANY CONTROL WIRING, PER MANUFACTURERS INSTRUCTIONS. PROVIDE REMOTE
2. PROVIDE FIRE ALARM CONTROL MODULE AND CIRCUIT TO INDICATED SMOKE DAMPERS. UPON ALARM OF AREA SMOKE DETECTORS SERVING THE ROOMS SERVED BY THE DUCT WORK SHOWN WITH SMOKE DAMPERS CLOSE ALL THE DAMPERS REGARDLESS OF ROOM WHICH THE SMOKE DETECTOR ALARMS.
3. PROVIDE FIRE ALARM CONTROL MODULE AND CIRCUIT TO INDICATED SMOKE DAMPERS. UPON ALARM OF AREA SMOKE DETECTORS SERVING THE ROOMS SERVED BY THE DUCT WORK SHOWN WITH SMOKE DAMPERS CLOSE ALL THE DAMPERS REGARDLESS OF ROOM WHICH THE SMOKE DETECTOR ALARMS.
4. PROVIDE FIRE ALARM CONTROL MODULE AND CIRCUIT TO INDICATED SMOKE DAMPERS. UPON ALARM OF AREA SMOKE DETECTORS SERVING THE ROOMS SERVED BY THE DUCT WORK SHOWN WITH SMOKE DAMPERS CLOSE ALL THE DAMPERS REGARDLESS OF ROOM WHICH THE SMOKE DETECTOR ALARMS.
5. PROVIDE DUCT SMOKE DETECTOR IN THE IN THE SUPPLY AND RETURN DUCT OF INDICATED UNIT. LOCATE DUCT SMOKE DETECTORS UPSTREAM OF ALL BRANCHES. PROVIDE CONTROL RELAYS AS NECESSARY TO SHUT DOWN ROOFTOP UNIT THAT DUCTWORK RETURNS TO. PROVIDE REMOTE DUCT TEST AND INDICATING STATION 6' BELOW FINISHED CEILING OR 8' AFF WHICHEVER IS LOWER. PROVIDE WIRING, INCLUDING ANY CONTROL WIRING, PER MANUFACTURERS INSTRUCTIONS.



A14 ENLARGED LIBRARY FIRE ALARM PLAN - UPPER LEVEL
1/8" = 1'-0"

A9 ENLARGED LIBRARY FIRE ALARM PLAN
1/8" = 1'-0"

8' 4' 0 8' 16'

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STATE OF NEW YORK · MICHAEL STEVEN CLAPPER · 086123 · LICENSED PROFESSIONAL ENGINEER

REGISTRATION EXPIRES:
10/31/2026

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/23/2026
SCALE: AS SHOWN
SHEET NAME:
FIRE ALARM PLANS

SHEET NUMBER:
E-301

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: JH/DV
CHECKED BY: JH/DV
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PROJECT NUMBER: 00000.00
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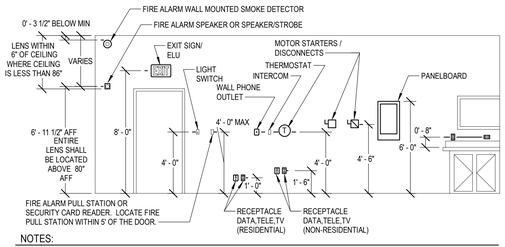
TRIAL MODE - Click here for more information



NOTES:

1. THE ABOVE MOUNTING HEIGHTS SHALL APPLY TO ALL DEVICES UNLESS NOTED OTHERWISE ON THE PLANS. ALL NOTED DIMENSIONS ARE TO THE CENTERLINE OF THE DEVICE FROM THE FINISHED FLOOR UNLESS NOTED OTHERWISE.
2. WHERE SPECIAL CONDITIONS PREVENT THE INSTALLATION OF DEVICES AT THE ABOVE HEIGHTS, THE EC SHALL VERIFY HEIGHTS ON SITE WITH THE ARCHITECT.
3. THE EC SHALL VERIFY FINAL WORKBENCH, COUNTER,, CABINET OR VANITY HEIGHTS INCLUDING BACK SPLASH, ON SITE WITH THE GC PRIOR TO THE INSTALLATION OF ANY BOXES.
4. WHERE DEVICES ARE INSTALLED ABOVE OR BELOW EACH OTHER ALL DEVICE BOXES SHALL ALIGN VERTICALLY.
5. WHERE DEVICES RE INSTALLED ON EACH SIDE OF A RATED WALL THE DEVICES SHALL BE OFFSET.

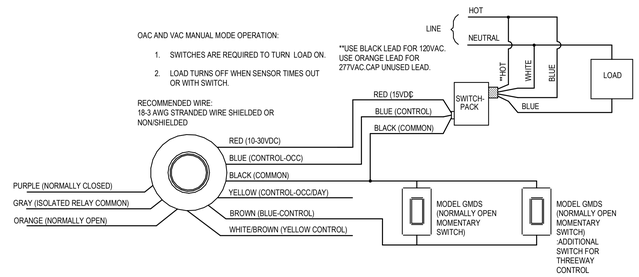
L18 DEVICE MOUNTING DETAIL
N.T.S.

EQUIPMENT NAME
XXX VOLTS, X PH, X WIRE
FED FROM PANEL XXX
CIRCUIT XX, XX, XX

NOTES:

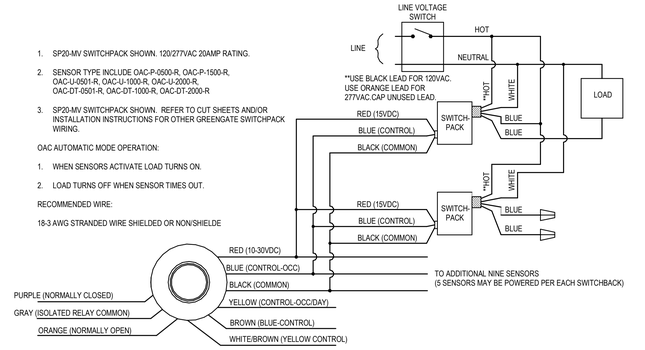
1. EXAMPLE PLATE SHOWN.
2. PROVIDE MINIMUM 1/4" HEIGHT WHITE LETTERING ON BLACK BACKGROUND.
3. ATTACH WITH WATERPROOF ADHESIVE.

J18 LAMINATED IDENTIFICATION PLATE
N.T.S.



1. SP20-MV SWITCHPACK SHOWN.120/277VAC 20AMP RATING.
2. SENSOR TYPE INCLUDE:
   OAC-P-0500-R, OAC-P-1500-R,
   OAC-U-0501-R, OAC-U-1000-R,
   OAC-U-2000-R, OAC-DT-0501-R,
   OAC-DT-1000-R, OAC-DT-2000-R,
   VAC-P-0500-R, VAC-P-1500-R,
   VAC-U-0501-R, VAC-U-1000-R,VAC-U-2000-R,
   VAC-DT-0501-R, VAC-DT-1000-R,
   VAC-DT-2000-R.
3. SP20-MV SWITCHPACK SHOWN. REFER TO CUT SHEETS AND/OR INSTALLATION INSTRUCTIONS FOR OTHER GREENGATE SWITCHPACK WIRING.

J13 SINGLE SENSOR LIGHTING CONTROL DIAGRAM (MANUAL MODE FOR CEILING MOUNT SENSORS AND LOW VOLTAGE WALL SWITCHES)
N.T.S.



1. SP20-MV SWITCHPACK SHOWN. 120/277VAC 20AMP RATING.
2. SENSOR TYPE INCLUDE OAC-P-0500-R, OAC-P-1500-R, OAC-U-0501-R, OAC-U-1000-R, OAC-U-2000-R, OAC-DT-0501-R, OAC-DT-1000-R, OAC-DT-2000-R
3. SP20-MV SWITCHPACK SHOWN. REFER TO CUT SHEETS AND/OR INSTALLATION INSTRUCTIONS FOR OTHER GREENGATE SWITCHPACK WIRING.

OAC AUTOMATIC MODE OPERATION:

1. WHEN SENSORS ACTIVATE LOAD TURNS ON.
2. LOAD TURNS OFF WHEN SENSOR TIMES OUT.

RECOMMENDED WIRE:

18-3 AWG STRANDED WIRE SHIELDED OR NON/SHIELDE

J7 MULTIPLE SENSOR CONTROL DIAGRAM
N.T.S.

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REGISTRATION EXPIRES:
10/31/2026

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/23/2026
SCALE: AS SHOWN
SHEET NAME: DETAILS AND DIAGRAMS
SHEET NUMBER: E-501

PROGRESS SET - FOR REVIEW ONLY

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NAME: HLE — EXISTING PANEL (REPLACE)

MOUNTING: SURFACE	VOLTS: 480Y/277	PHASE: 3	WIRE: 4
MAIN RATING: 100 A	MCB:	MIN AIC RATING:	AMPS RMS SYM
OTHER:		LOCATION: OFFICE 143	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	LGTS MAIN LIB/CIRCLE	--	--	20	1	0			0			1	20	--	--	LGTS MAIN LIB/REFERENCE	2
3	LGTS CENTER	--	--	20	1		0			0		1	20	--	--	LGTS EXT CIRC	4
5	LGTS STUDENT COMPUTERS	--	--	20	1			0			0	1	20	--	--	LGTS REFERENCE TABLES	6
7	LGTS BREAK RM	--	--	20	1	0			0			1	20	--	--	LGTS BACK OFFICE	8
9	LGTS SMARTBOARD/AV CENTER	--	--	20	1		0			0		1	20	--	--	LGTS BIOGRAPHY'S & 900'S	10
11	LGTS SMARTBOARD/AV CENTER	--	--	20	1			0			0	1	20	--	--	LGTS KEITH'S RM/FIC-900'S	12
13	SPARE	--	--	20	1	0			0			1	0	--	--	SPARE	14
15	SPARE	--	--	0	1		0			0		1	0	--	--	SPARE	16
17	SPARE	--	--	0	1			0			0	1	0	--	--	SPARE	18

NAME: PL — EXISTING PANEL (REPLACE)

MOUNTING: SURFACE	VOLTS: 208Y/120	PHASE: 3	WIRE: 4
MAIN RATING: 100 A	MCB:	MIN AIC RATING:	AMPS RMS SYM
OTHER:		LOCATION: OFFICE 143	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	EXT CIRC	--	--	20	1	0			0			1	20	--	--	S.W.COMP BENCH	2
3	EXT CIRC	--	--	20	1		0			0		1	20	--	--	S.E.COMP BENCH	4
5	SPARE	--	--	20	1			0			0	1	20	--	--	EXT CIRC	6
7	SPARE	--	--	20	1	0			0			1	20	--	--	SMALL COPY	8
9	N.W.COMP.STA.	--	--	20	1		0			0		1	20	--	--	CENTER STATION	10
11	N.E.COMP.STA.	--	--	20	1			0			0	1	20	--	--	LARGE COPY	12
13	EXT CIRC	--	--	20	1	0			0			1	20	--	--	EXR CIRC	14
15	EXT CIRC	--	--	20	1		0			0		1	20	--	--	EXR CIRC	16
17	POLE	--	--	20	1			0			0	1	20	--	--	NEW COMP TABLES	18
19	SPARE	--	--	20	1	0			0			1	20	--	--	NEW COMP TABLES	20
21	SPARE	--	--	20	1		0			0		1	20	--	--	COMPUTER BALCONY	22
23	CEILING PROJECTOR	--	--	20	1			0			0	1	20	--	--	ATTENDANCE OFFICE	24
25	EXT CIRC	--	--	20	1	0			0			1	20	--	--	SPARE	26
27	EXT CIRC	--	--	20	1		0			0		1	20	--	--	SPARE	28
29	EXT CIRC	--	--	20	1			0			0	1	20	--	--	SPARE	30

NAME: EM — EXISTING PANEL SCHEDULE

MOUNTING: SURFACE	VOLTS: 480Y/277	PHASE: 3	WIRE: 4
MAIN RATING: 225 A	MCB: MLO	MIN AIC RATING: 14,000	AMPS RMS SYM
OTHER:		LOCATION:	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	LGT EXITS	14	#12	20	1	14			192			1	20	#12	192	LGT CLASSROOM 123F	2
3	LGT COMPUTER LAB 127A	287	#12	20	1		287			676		1	20	#12	676	LGT Room 123	4
5																	6
7	SPARE	--	--	20	1	0			0			1	20	--	--	SPARE	8
9	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	10
11	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	12
13	SPARE	--	--	20	1	0			0			1	20	--	--	SPARE	14
15	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	16
17	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	18
19	SPARE	--	--	20	1	0			0			1	20	--	--	SPARE	20
21	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	22
23	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	24
25	SPARE	--	--	20	1	0			0			1	20	--	--	SPARE	26
27	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	28
29	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	30

NAME: HLE — PANEL SCHEDULE

MOUNTING:	SURFACE	VOLTS:	480Y/277	PHASE: 3	WIRE: 4
MAIN RATING:	100 A	MCB:	100 A	MIN AIC RATING: 14,000	AMPS RMS SYM
OTHER:				LOCATION: OFFICE 143	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	LGT Room 127C, 127D	24	#12	0	1	24			2303			1	20	#12	2303	LGT Room 123	2
3	LGT Room 125A, 125B	336	#12	20	1		336			384		1	20	#12	384	LGT Room 123D, 123E, 126B, 126A	4
5	LGT OPEN SEATING / STUDY 127B	284	#12	20	1			284			384	1	20	#12	384	LGT Room 124, 123C, 123B, 123A, 124A	6
7	LGT CLASSROOM 123F	288	#12	20	1	288											8
9	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	10
11	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	12
13	SPARE	--	--	20	1	0			0			1	20	--	--	SPARE	14
15	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	16
17	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	18

NAME: PL — PANEL SCHEDULE

MOUNTING:	SURFACE	VOLTS:	208Y/120	PHASE: 3	WIRE: 4
MAIN RATING:	100 A	MCB:	100 A	MIN AIC RATING: 10,000	AMPS RMS SYM
OTHER:				LOCATION: OFFICE 143	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	PROJECTOR LIBRARY BLEACHERS	0	#12	20	1	0			360			1	20	#12	360	RECEPT IT CLOSET 127D	2
3	RECEPT PROJECTOR	180	#12	20	1		180			540		1	20	#12	540	RECEPT LIBRARY 123	4
5	PROJECTOR LIBRARY 123	0	#12	20	1			0			1080	1	20	#12	1080	RECEPT Room 127B	6
7	RTU-ET CONTROL	500	#12	20	1	500			1080			1	20	#12	1080	RECEPT Room 123C, 123B, 123A	8
9	RECEPT IT CLOSET 127D	360	#12	20	1		360			900		1	20	#12	900	RECEPT Room 125B, 125A	10
11	RECEPT Room 124A, 124	540	#12	20	1			540			1260	1	20	#12	1260	RECEPT	12
13	RECEPT COMPUTER LAB 127A	720	#12	20	1	720			360			1	0	#12	360	RECEPT	14
15	RECEPT COMPUTER LAB 127A	720	#12	20	1		720			1260		1	20	#12	1260	RECEPT OFFICE/BREAK 125B	16
17	RECEPT COMPUTER LAB 127A	720	#12	20	1			720			25	1	20	#12	25	LIGHTS LULA RM 151	18
19	RECEPT	1620	#12	20	1	1620			2160			3	30	#10	6480	MAIN POWER LULA RM151	20
21	RECEPT Room 123E, 123D, 123	1620	#12	20	1		1620			2160		--	--	--	--	--	22
23	RECEPT Room 126A, 126B	1620	#12	20	1			1620			2160	--	--	--	--	--	24
25	RECEPTS SHELF DESK	720	#12	20	1	720			90			2	30	#12	180	COFFEE MACHINE CIRCUIT	26
27	FRIDGE RECEPT 1	360	#12	20	1		360			90		--	--	--	--	--	28
29	FRIDGE RECEPT 2	360	#12	20	1			360			360	1	20	#12	360	CIRC DESK RECEPT 1	30
31	RECEPT COLUMN	180	#12	20	1	180			360			1	20	#12	360	CIRC DESK RECEPT 2	32
33	RECEPT COMPUTER LAB	720	#12	20	1		720			360		1	20	#12	360	CIRC DESK RECEPT 3	34
35	3D PRINTER RECEPT	360	#12	20	1			360			360	1	20	#12	360	3D PRINTER RECEPT	36
37	3D PRINTER RECEPT	360	#12	20	1	360			180			1	20	#12	180	SHADES 1	38
39	SHADES 3	180	#12	20	1		180			180		1	20	#12	180	SHADES 2	40
41	SHADES 4	180	#12	20	1			180			0	1	20	--	--	SPARE	42

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	LAMP TYPE	LAMP WATTS	LAMP LUMENS	LAMP COLOR	VOLTS	FIXTURE REMARKS
			LED	36.0 W	1380 lm	3200 K		
D1	RECESSED DOWNLIGHT	LITHONIA LDN6-35-10-L06-AR-LSS-TRW-MVOLT	LED	12.0 W	1000 lm	3500 K	120	
F1	RECESSED 2 X 2	LITHONIA CPX-2X2-3200L-80CRI-35K-SWL-MIN10-UNV	LED	24.0 W	3200 lm	3500 K	120	
L1	LINEAR LED PENDANT 12'	FOCAL POINT SEEM 4 FSM4IBS-FL-FL-625DN-275UP-35K-1C-UNV-LD1-C24-WH-12'	LED	98.7 W	900 lm /FT	3500 K	120	
L2	LINEAR LED PENDANT 8'	FOCAL POINT SEEM 4 FSM4IBS-FL-FL-625DN-275DN-35K-1C-UNV-LD1-C24-WH-8'	LED	65.8 W	900 lm /FT	3500 K	120	
L3	LINEAR LED PENDANT 12'	FOCAL POINT SEEM 4 FSM4IBS-FL-FL-275DN-275UP-35K-1C-UNV-LD1-C24-WH-12'	LED	76.0 W	550 lm /FT	3500 K	120	
X1	UNIVERSAL MOUNT SINGLE OR DOUBLE FACE THERMOPLASTIC LED EXIT SIGN. AC ONLY.	SURE-LITES LPX6	LED	2.2 W			120	PROVIDE MOUNTING AND DIRECTIONAL CONFIGURATION AS INDICATED ON DRAWINGS
X2	UNIVERSAL MOUNT SINGLE OR DOUBLE FACE THERMOPLASTIC LED EXIT SIGN WITH EMERGENCY LIGHTING UNIT. SELF DIAGNOSTICS	SURE-LITES LPX6	LED	3.4 W			120	PROVIDE MOUNTING AND DIRECTIONAL CONFIGURATION AS INDICATED ON DRAWINGS

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STATE OF NEW YORK — MICHAEL OWEN SMITH — 086612 — LICENSED PROFESSIONAL ENGINEER

REGISTRATION EXPIRES: 10/31/2026

NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

SCALE: AS SHOWN

SHEET NAME:
PANEL AND FIXTURE SCHEDULES

SHEET NUMBER:

E-601

PROGRESS SET - FOR REVIEW ONLY

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CHECKED BY: JH/JV
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PLUMBING FIXTURE SCHEDULE

1.OR APPROVED EQUAL

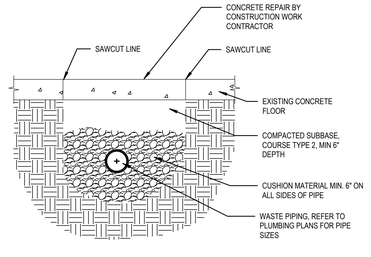
TAG	TYPE	BASIS OF DESIGN MANUFACTURER	MODEL	CONNECTION SIZE					REMARKS
				CW	HW	W	IW	V	
SK-1	SINK	ELKAY	LRAD312265	1/2"	1/2"	1 1/2"		1 1/2"	PROVIDE WITH POINT OF USE MIXING VALVE COMPATIBLE WITH ASSE 1070, FAUCET LK810GN08T4, PROVIDE OFF-SET TAIL PIECE

ABBREVIATIONS LEGEND

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AVG	AVERAGE
BFF	BELOW FINISHED FLOOR
BHP	BRAKE HORSEPOWER
BOP	BOTTOM OF PIPE
BTM	BOTTOM
BTUH	BRITISH THERMAL UNITS/HOUR
CAP	CAPACITY
CO	CLEAN OUT
CONT.	CONTINUATION
CW	DOMESTIC COLD WATER
DCW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
DPCO	DECK PLATE CLEAN OUT
DWG	DRAWING
ES	EMERGENCY EYE WASH/SHOWER STATION
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EXIST.	EXISTING
°F	DEGREES FAHRENHEIT
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FLR	FLOOR
FT. OR '	FEET
G	GAS
GAL	GALLON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	HORSEPOWER
HR	HOUR
HW	DOMESTIC HOT WATER
HWR	HOT WATER RECIRCULATION
HZ	HERTZ
IN OR "	INCHES
INT	INTERNAL
IW	INDIRECT WASTE
KSK	KITCHEN SINK
KW	KILOWATT
L	LENGTH
LAV	LAVATORY
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LF	LINEAR FOOT
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BTUH
MD	MOTORIZED DAMPER
MIN	MINIMUM
MAX	MAXIMUM
N/A	NOT APPLICABLE
N/C	NORMALLY CLOSED
MFG	MANUFACTURER
MS	MIDDLE SCHOOL
MV	ELECTRONIC MIXING VALVE
NO	NORMALLY OPEN
NOL	NON OVER LOADING
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE
PPM	PARTS PER MILLION
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PW	PUMPED WASTE
RD	ROOF DRAIN
RL	ROOF LEADER
RO	ROOF OVERFLOW DRAIN
RP	RECIRCULATION PUMP
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
S OR SAN	SANITARY
SF	SQUARE FOOT
SH	SHOWER
SK	SINK
SR	SHORT RADIUS
SS	SERVICE SINK/JANITOR'S SINK
ST	STORM PIPING
TEMP	TEMPERATURE
TV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
UR	URINAL
V	VENT
VERT	VERTICAL
VTR	VENT THRU ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEAN-OUT
WH	WATER HEATER
WHA	WATER HAMMER ARRESTOR

PLUMBING LEGEND

- COLD WATER PIPING (CW)
- HOT WATER PIPING (HW)
- HOT WATER RECIRC PIPING (HWR)
- SAN — SANITARY ABOVE GRADE
- SAN — SANITARY BELOW GRADE
- V — VENT PIPING
- W — WASTE PIPING
- G — NATURAL GAS PIPING
- 90 DEGREE PIPE ELBOW DOWN
- PIPE RISER UP SYMBOL
- BRANCH PIPE CONNECTOR OFF BOTTOM OF PIPING MAIN
- PIPE CAP
- MID-PIPE DOWN
- PIPE BREAK
- PIPE DOWN WITH VALVE IN VERTICAL
- UNION
- CLEAN OUT
- PIPING/EQUIPMENT REMOVALS
- CHECK VALVE
- SHUTOFF BALL VALVE
- PRESSURE REDUCING VALVE
- PLUG VALVE
- PUMP
- FLOOR DRAIN
- CLEANOUT DECKPLATE
- GATE VALVE OR
- BUTTERFLY VALVE
- BALANCE VALVE OR
- PIPE REDUCER OR
- POINT OF REMOVAL
- POINT OF CONNECTION



A14 PIPE TRENCH DETAIL
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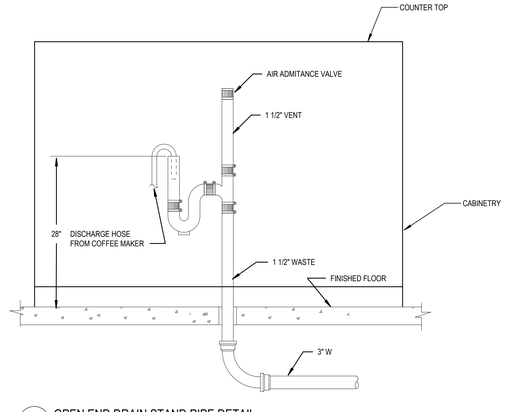

A9 OPEN END DRAIN STAND PIPE DETAIL
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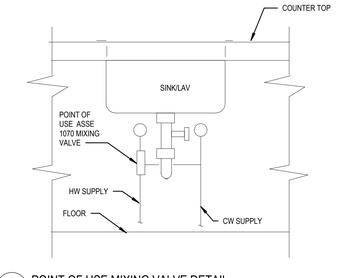

A5 POINT OF USE MIXING VALVE DETAIL
N.T.S.

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NORTH ROCKLAND HIGH SCHOOL - LIBRARY RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 2/23/2026

SCALE: N.T.S.

SHEET NAME:
ABBREVIATIONS, SYMBOLS, AND SCHEDULES

SHEET NUMBER:
P-001

BID SET

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CHECKED BY: Checker
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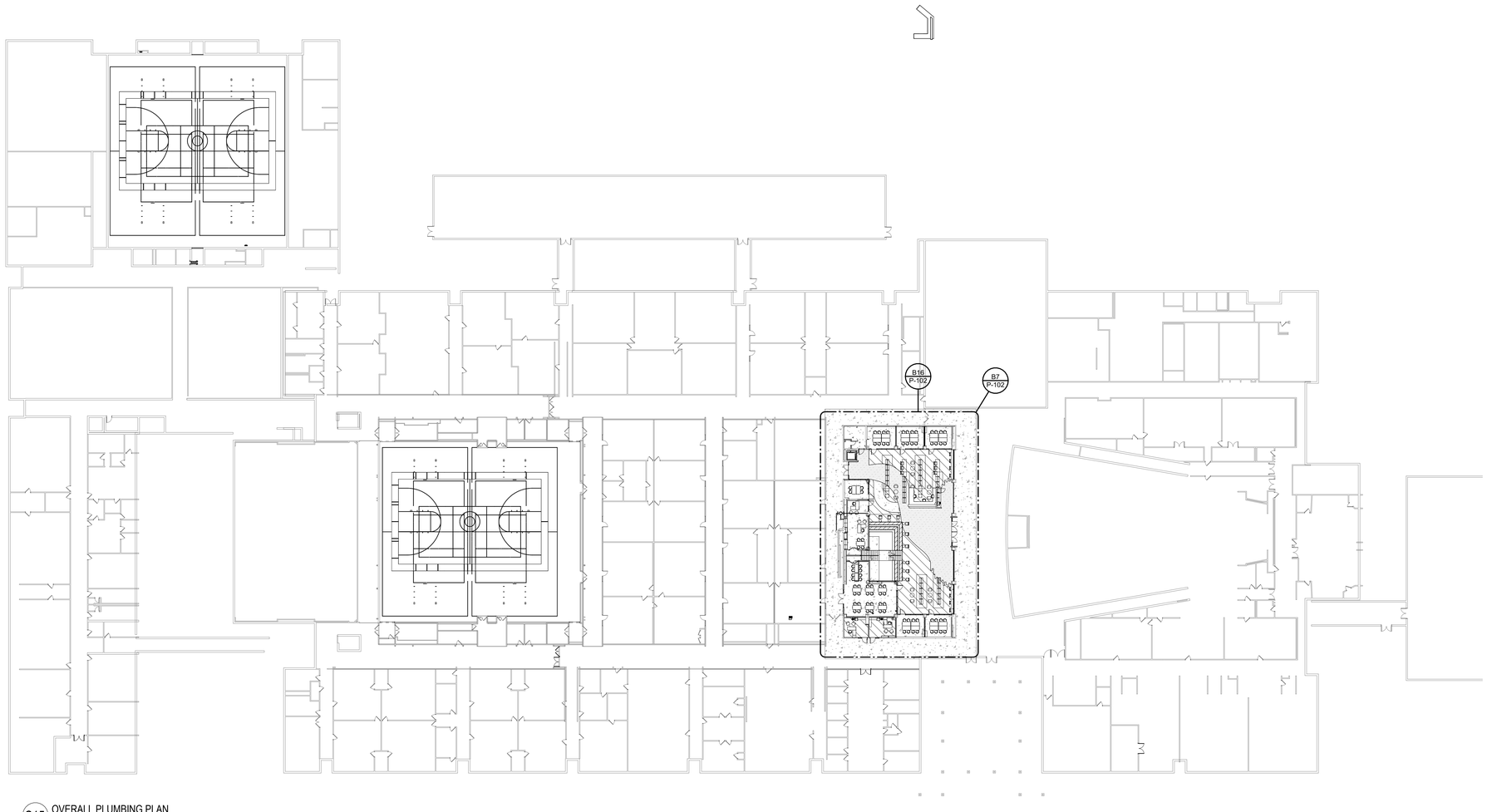

C15 OVERALL PLUMBING PLAN
1" = 30'-0"

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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-041

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SCALE: 1" = 30'-0"

SHEET NAME:
OVERALL PLUMBING PLAN

SHEET NUMBER:

P-101

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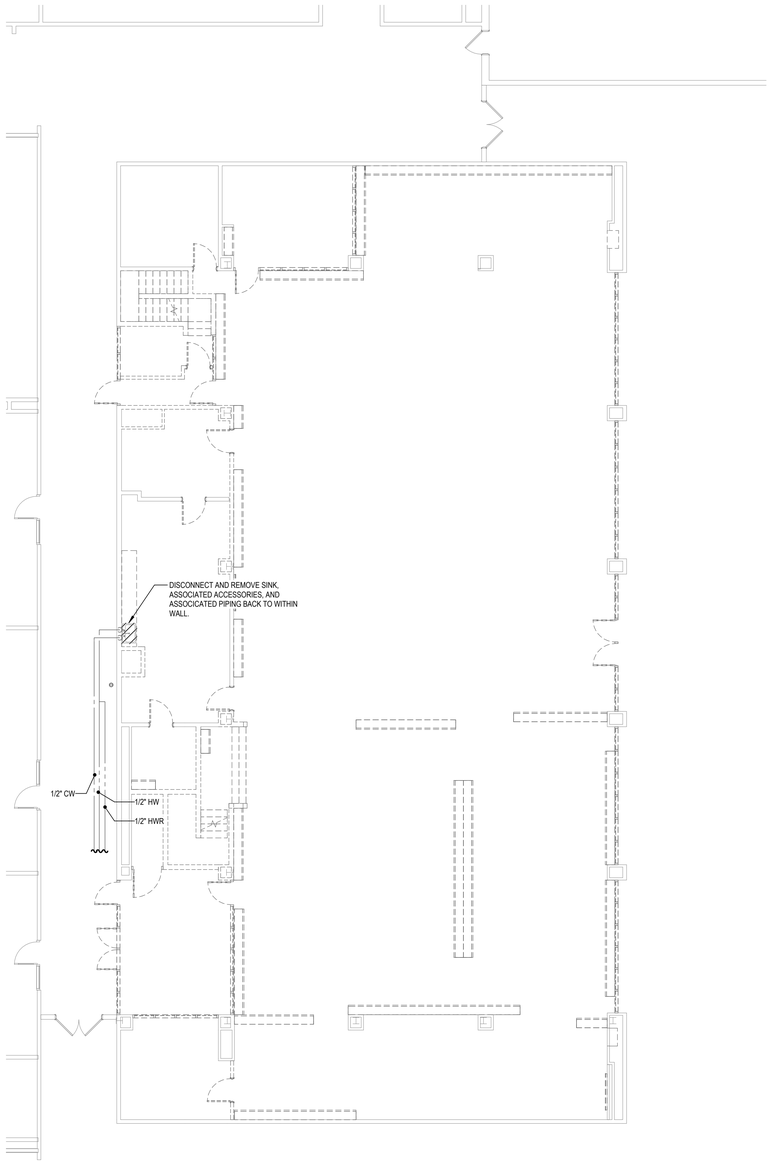
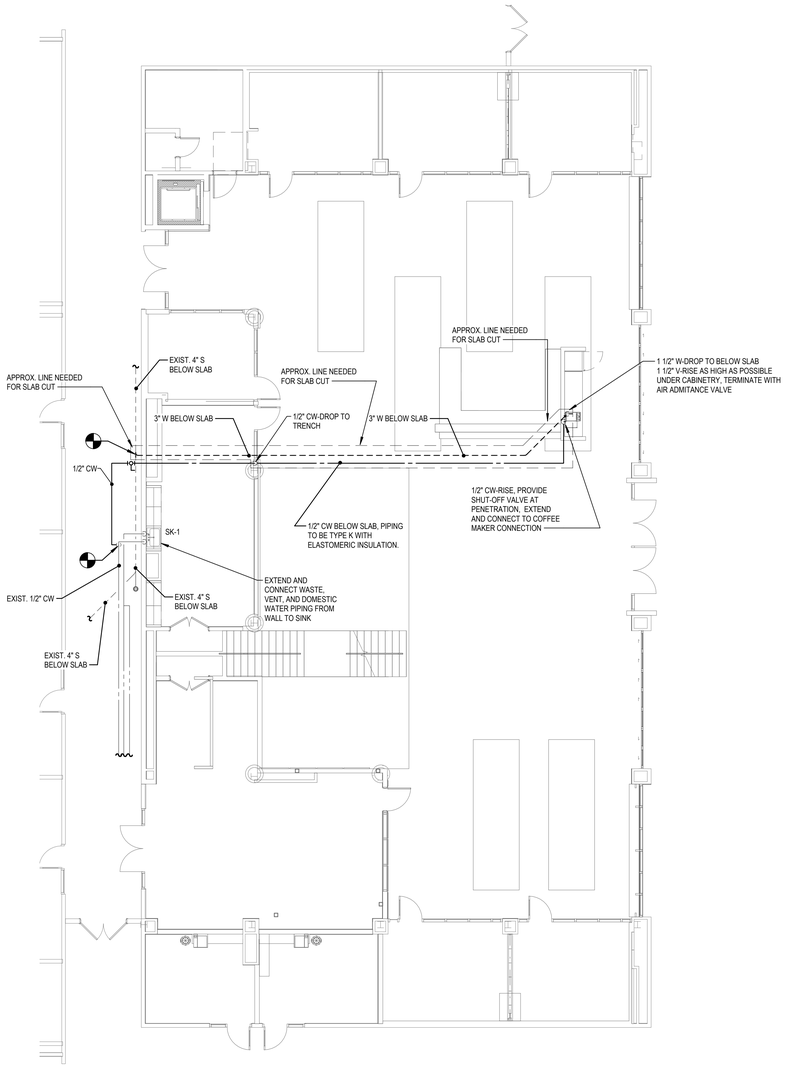


B16 ENLARGED PLUMBING REMOVALS PLAN
1/8" = 1'-0"



B7 ENLARGED PLUMBING INSTALLATION PLAN
1/8" = 1'-0"

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 2/23/2026

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

SHEET NAME:
ENLARGED PLUMBING PLANS

SHEET NUMBER:
P-102

BID SET

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CHECKED BY: JVenditti
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