NORTH ROCKLAND CENTRAL SCHOOL DISTRICT

HIGH SCHOOL GYMNASIUMS RENOVATION

BID ISSUANCE SET - 02/23/2026

SED #:50-02-01-06-0-016-040

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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.

ARCHITECT SEAL

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PROJECT NUMBER: 2535401.00

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GENERAL CODE DATA

BUILDING SUMMARY

Project Name: North Rockland High School
Abbreviation: HS
Address: 106 Hammond Rd, Thiells, NY 10984
County: Rockland County
Proposed Use: Education / High School
Owner: North Rockland Central School District
Authorized Agent: Wolfgang Luttinger **Phone:** 845.942.3334
Fire District: Thiells Fire Department

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

REFERENCE 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

GENERAL BUILDING HEIGHTS AN AREAS:

OCCUPANCY: E - Educational

CONSTRUCTION TYPE: IIA
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

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 12 feet.

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

DATE	CLASS	INTERIOR PARTITIONS	EXTERIOR PARTITIONS	HEIGHT	BSMT	1st	2nd	3rd	SMOKE/FIRE ZONE
1967	2a/IIA	Load bearing	Load bearing	34'-0" ±	30,200	173,800	-	-	A, B
1984	2a/IIA	Load bearing	Load bearing	37'-0" ±	-	56,350	26,400	15,900	C, D, E
1994	2a/IIA	Load bearing	Load bearing	13'-0" ±	-	8,200	-	-	F
2002	2a/IIA	Non bearing	Load bearing	12'-0" ±	-	10,700	-	-	G
				TOTAL	30,200	249,050	26,400	15,900	
				GROSS BLDG. AREA				**321,550 S.F.**	

BUILDING ENVELOPE REQUIREMENTS:

CLIMATE ZONE: 5A (ROCKLAND)
(ECC TABLE C301.1)

INSULATION REQUIREMENTS:
(ECC TABLE 402.1.3)
INSULATION ENTIRELY
ABOVE ROOF DECK: R-30 CI MIN.
WALLS, ABOVE GRADE, MASS: R-11.4 CI MIN.
WALLS BELOW GRADE: R-7.5 CI MIN.
SLAB-ON-GRADE FLOORS, UNHEATED: R-15 MIN. FOR 24" BELOW

BUILDING ENVELOPE FENESTRATION REQUIREMENTS:
(ECC TABLE C402.5)
FIXED FENETRATION: U-FACTOR 0.34 MAX.
SHGC, PF<0.2: 0.38 MAX.

AIR LEAKAGE RATE FOR FENESTRATION ASSEMBLIES REQUIREMENTS:
(ECC TABLE 402.6.3)
WINDOWS: 0.20 CFM/FT² MAX.
STOREFRONT GLAZING: 0.06 CFM/FT² MAX.

SED CODE REQUIREMENTS:

SED S203-1 LIMITATION OF USE OF INTERIOR FINISHES:
A. CLASS A INTERIOR FINISHES SHALL BE USED IN CORRIDORS, EXIT ENCLOSURES, EXIT PASSAGEWAYS, EXTERIOR EXIT STAIRS, EXTERIOR EXIT RAMPS AND HORIZONTAL EXITS. CLASS B IS ACCEPTABLE IF THESE SPACES HAVE AN APPROVED NFPA-13 SPRINKLER SYSTEM.
B. INTERIOR FINISHES IN SCHOOL CONSTRUCTION SHALL BE CLASS A, B, OR C, PER THE CODE.

SED S302-4 CEILING HEIGHTS:
A. THE CEILING HEIGHTS OF CLASSROOMS AND SIMILAR AREAS MEASURED FROM THE FLOOR TO THE PRINCIPAL PLANE OF THE CEILING SHALL NOT BE LESS THAN NINE FEET. CEILING HEIGHTS FOR MODULAR CLASSROOM BUILDINGS ARE PERMITTED TO BE EIGHT FEET.
B. CEILING HEIGHT OF OTHER SPACES SHALL BE COMPLIANT WITH CODE. NOTE THAT LOW CEILINGS ARE GENERALLY MORE SUSEPCTIBLE TO PHYSICAL ABUSE.

BUILDING CODE SECTIONS:

CHAPTER 3 OCCUPANCY CLASSIFICATION AND USE

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

CHAPTER 6 TYPES OF CONSTRUCTION

BC TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS:

BUILDING ELEMENTS	TYPE IIA	TYPE IIB
PRIMARY STRUCTURAL FRAME	1HR	0HR
BEARING WALLS		
EXTERIOR	1HR	0HR
INTERIOR	1HR	0HR
NONBEARING WALLS AND PARTITIONS	SEE TABLE 602	
INTERIOR	0HR	0HR
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	1HR	0HR
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS	1HR	0HR

CHAPTER 8 INTERIOR FINISHES

BC TABLE 803.5 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY (NON-SPRINKLERED)

GROUP	INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS	ROOMS AND ENCLOSED SPACES
E	A	B	C

CHAPTER 9 FIRE PROTECTION SYSTEMS

BC 903.2.3 GROUP E: AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED FOR GROUP E OCCUPANCIES AS FOLLOWS:
1. THROUGHOUT ALL GROUP E FIRE AREAS GREATER THAN 12,000 SQUARE FEET (1115 M²) IN AREA.
2. THE GROUP E FIRE AREA IS LOCATED ON A FLOOR OTHER THAN A LEVEL OF EXIT DISCHARGE SERVING SUCH OCCUPANCIES.
EXCEPTIONS: IN BUILDINGS WHERE EVERY CLASSROOM HAS NOT FEWER THAN ONE EXTERIOR EXIT DOOR AT GROUND LEVE, AN AUTOMATIC SPRINKLER SYSTEM IS NOT REQUIRED IN ANY AREA BELOW THE LOWEST LEVEL OF EXIT DISCHARGE SERVING THAT AREA.
3. THE GROUP E FIRE AREA HAS AN OCCUPANT LOAD OF 300 OR MORE.

CHAPTER 10 MEANS OF EGRESS

BC 1003.2 CEILING HEIGHT
THE MEANS OF EGRESS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7 FEET 6 INCHES (2286 MM) ABOVE THE FINISHED FLOOR.

BC 1003.3.1 HEADROOM
PROTRUDING OBJECTS ARE PERMITTED TO EXTEND BELOW THE MINIMUM CEILING HEIGHT REQUIRED BY SECTION 1003.2 WHERE A MINIMUM HEADROOM OF 80 INCHES (2032 MM) IS PROVIDED OVER ANY CIRCULATION PATHS

BC 1003.3.3 HORIZONTAL PROJECTIONS
OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES AND NOT MORE THAN 80 INCHES ABOVE THE FINISHED FLOOR SHALL NOT PROJECT HORIZONTALLY MORE THAN 4 INCHES INTO THE CIRCULATION PATH.
EXCEPTION: HANDRAILS ARE PERMITTED TO PROTRUDE 4 1/2 INCHES FROM THE WALL OR GUARD.

BC 1003.6 MEANS OF EGRESS CONTINUITY
THE PATH OF EGRESS TRAVEL ALONG A MEANS OF EGRESS SHALL NOT BE ITERRUPTED BYT A BUILDING ELEMENT OTHER THAN A MEANS OF EGRESS COMPONENT AS SPECIFIED IN THIS CHAPTER. OBSTRUCTIONS SHALL NOT BE PLACED IN THE MINUMUM WIDTH OR REQUIRED CAPACITY OF A MEANS OF EGRESS COMPONENT EXCEPT PROJECTIONS PREMITTED BY THIS CHAPTER. THE MINIMUM WIDTH OR REQUIRED CAPACITY OF A MEANS OF EGRESS SYSTEM SHALL NOT BE DIMINISHED ALONG THE PATH OF EGRESS TRAVEL.

BC TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 GROSS
ASSEMBLY WITHOUT FIXED SEATS	
UNCONCENTRATED (TABLES AND CHAIRS)	15 NET
BUSINESS AREAS	150 GROSS
EDUCATIONAL - SHOPS AND OTHER VOCATIONAL ROOM AREAS	50 NET
LIBRARY - READING ROOMS	50 NET
LIBRARY - STACK AREAS	100 GROSS

BC 1004.9 POSTING OF OCCUPANT LOAD
EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY FROM THE ROOM OR SPACE, FOR THE INTENDED CONFIGURATIONS. POSTED SIGNS SHALL BE OF AN APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT.

BC 1008.2 ILLUMINATION REQUIRED
THE MEANS OF EGRESS SERVING A ROOM OR SPACE SHALL BE ILLUMINATED AT ALL TIMES THAT THE ROOM OR SPACE IS OCCUPIED.
EXCEPTIONS:
OCCUPANCIES IN GROUP U.
AISLE ACCESSWAYS IN GROUP A.
DWELLING UNITS AND SLEEPING UNITS IN GROUPS R-1, R-2 AND R-3.
SLEEPING UNITS OF GROUP I OCCUPANCIES.

BC 1009.1 ACCESSIBLE MEANS OF EGRESS REQUIRED
ACCESSIBLE MEANS OF EGRESS SHALL COMPLY WITH THIS SECTION. ACCESSIBLE SPACES SHALL BE PROVIDED WITH NOT LESS THAN ONE ACCESSIBLE MEANS OF EGRESS. WHERE MORE THAN ONE MEANS OF EGRESS IS REQUIRED BY SECTION 1006.2 OR 1006.3 FROM ANY ACCESSIBLE SPACE, EACH ACCESSIBLE PORTION OF THE SPACE SHALL BE SERVED BY NOT LESS THAN TWO ACCESSIBLE MEANS OF EGRESS.
EXCEPTIONS:
1. ONE ACCESSIBLE MEANS OF EGRESS IS REQUIRED FROM AN ACCESSIBLE MEZZANINE LEVEL IN ACCORDANCE WITH SECTION 1009.3, 1009.4 OR 1009.5.
2. IN ASSEMBLY AREAS WITH RAMPED AISLES OR STEPPED AISLES, ONE ACCESSIBLE MEANS OF EGRESS IS PERMITTED WHERE THE COMMON PATH OF EGRESS TRAVEL IS ACCESSIBLE AND MEETS THE REQUIREMENTS IN SECTION 1029.8.

BC 1010.1.1 SIZE OF DOORS
THE REQUIRED CAPACITY OF EACH DOOR OPENING SHALL BE SUFFICIENT FOR THE OCCUPANT LOAD THEREOF AND SHALL PROVIDE A MINIMUM CLEAR OPENING WIDTH OF 32 INCHES. THE CLEAR OPENING WIDTH OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES (1.57 RAD). WHERE THIS SECTION REQUIRES A MINIMUM CLEAR OPENING WIDTH OF 32 INCHES AND A DOOR OPENING INCLUDES TWO DOOR LEAVES WITHOUT A MULLION, ONE LEAF SHALL PROVIDE A MINIMUM CLEAR OPENING WIDTH OF 32 INCHES. THE MAXIMUM WIDTH OF A SWINGING DOOR LEAF SHALL BE 48 INCHES NOMINAL. THE MINIMUM CLEAR OPENING HEIGHT OF DOORS SHALL BE NOT LESS THAN 80 INCHES.

BC 1010.1.1.1 PROJECTIONS INTO CLEAR WIDTH
THERE SHALL NOT BE PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH
LOWER THAN 34 INCHES ABOVE THE FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES BOVE THE FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES.
EXCEPTION: DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES MINIMUM ABOVE THE FLOOR.

BC 1010.1.2.1 DIRECTION OF SWING
PIVOT OR SIDE-HINGED SWINGING DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING A ROOM OR AREA CONTAINING AN OCCUPANT LOAD OF 50 OR MORE PERSONS OR A GROUP H OCCUPANCY.

BC 1010.1.9.1 HARDWARE
DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE BY CHAPTER 11 SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.

BC 1010.1.9.2 HARDWARE HEIGHT
DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISHED FLOOR. LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED AT ANY HEIGHT.

BC 1010.1.10 PANIC AND FIRE EXIT HARDWARE
SWINGING DOORS SERVING A GROUP H OCCUPANCY AND SWINGING DOORS SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE IN A GROUP A OR E OCCUPANCY SHALL NOT BE PROVIDED WITH A LATCH OR LOCK OTHER THAN PANIC HARDWARE OR FIRE EXIT HARDWARE.
EXCEPTIONS:
A MAIN EXIT OF A GROUP A OCCUPANCY SHALL BE PERMITTED TO HAVE LOCKING DEVICES IN ACCORDANCE WITH SECTION 1010.1.9.4, ITEM 2. DOORS PROVIDED WITH PANIC HARDWARE OR FIRE EXIT HARDWARE AND SERVING A GROUP A OR E OCCUPANCY SHALL BE PERMITTED TO BE ELECTRICALLY LOCKED IN ACCORDANCE WITH SECTION 1010.1.9.9 OR 1010.1.9.10.

BC 1013.1 EXIT SIGNS - REQUIRED LOCATIONS
EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. THE PATH OF EGRESS TRAVEL TO EXITS AND WITHIN EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGNS TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL IN CASES WHERE THE EXIT OR THE PATH OF EGRESS TRAVEL IS NOT IMMEDIATELY VISIBLE TO THE OCCUPANTS. INTERVENING MEANS OF EGRESS DOORS WITHIN EXITS SHALL BE MARKED BY EXIT SIGNS. EXIT SIGN PLACEMENT SHALL BE SUCH THAT ANY POINT IN AN EXIT ACCESS CORRIDOR OR EXIT PASSAGEWAY IS WITHIN 100 FEET (30 480 MM) OR THE LISTED VIEWING DISTANCE OF THE SIGN, WHICHEVER IS LESS, FROM THE NEAREST VISIBLE EXIT SIGN.
EXCEPTIONS:
1. EXIT SIGNS ARE NOT REQUIRED IN ROOMS OR AREAS THAT REQUIRE ONLY ONE EXIT OR EXIT ACCESS.
2. MAIN EXTERIOR EXIT DOORS OR GATES THAT ARE OBVIOUSLY AND CLEARLY IDENTIFIABLE AS EXITS NEED NOT HAVE EXIT SIGNS WHERE APPROVED BY THE BUILDING OFFICIAL.

BC 1028 EXIT DISCHARGE
EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR OF THE BUILDING. THE EXIT DISCHARGE SHALL BE AT GRADE OR SHALL PROVIDE A DIRECT PATH OF EGRESS TRAVEL TO GRADE. THE EXIT DISCHARGE SHALL NOT REENTER A BUILDING. THE COMBINED USE OF EXCEPTIONS 1 AND 2 SHALL NOT EXCEED 50 PERCENT OF THE NUMBER AND MINIMUM WIDTH OR REQUIRED CAPACITY OF THE REQUIRED EXITS.
EXCEPTIONS:
1. NOT MORE THAN 50 PERCENT OF THE NUMBER AND MINIMUM WIDTH OR REQUIRED CAPACITY OF INTERIOR EXIT STAIRWAYS AND RAMPS IS PERMITTED TO EGRESS THROUGH AREAS ON THE LEVEL OF DISCHARGE PROVIDED THAT ALL OF THE FOLLOWING CONDITIONS ARE MET:
1.1. DISCHARGE OF INTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE PROVIDED WITH A FREE AND UNOBSTRUCTED PATH OF TRAVEL TO AN EXTERIOR DOOR AND SUCH EXIT IS READILY VISIBLE AND IDENTIFIABLE FROM THE POINT OF TERMINATION OF THE ENCLOSURE.
1.2. THE ENTIRE AREA OF THE LEVEL OF EXIT DISCHARGE IS SEPARATED FROM AREAS BELOW BY CONSTRUCTION CONFORMING TO THE FIRE-RESISTANCE RATING FOR THE ENCLOSURE.
1.3. THE EGRESS PATH FROM THE INTERIOR EXIT STAIRWAY AND RAMP ON THE LEVEL OF EXIT DISCHARGE IS PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM. PORTIONS OF THE LEVEL OF EXIT DISCHARGE WITH ACCESS TO THE EGRESS PATH SHALL BE EITHER EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2, OR SEPARATED FROM THE EGRESS PATH IN ACCORDANCE WITH THE REQUIREMENTS FOR THE ENCLOSURE OF INTERIOR EXIT STAIRWAYS OR RAMPS.
1.4. WHERE A REQUIRED INTERIOR EXIT STAIRWAY OR RAMP AND AN EXIT ACCESS STAIRWAY OR RAMP SERVE THE SAME FLOOR LEVEL AND TERMINATE AT THE SAME LEVEL OF EXIT DISCHARGE, THE TERMINATION OF THE EXIT ACCESS STAIRWAY OR RAMP AND THE EXIT DISCHARGE DOOR OF THE INTERIOR EXIT STAIRWAY OR RAMP SHALL BE SEPARATED BY A DISTANCE OF NOT LESS THAN 50 FEET OR NOT LESS THAN ONE-FOURTH THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING, WHICHEVER IS LESS. THE DISTANCE SHALL BE MEASURED IN A STRAIGHT LINE BETWEEN THE EXIT DISCHARGE DOOR FROM THE INTERIOR EXIT STAIRWAY OR RAMP AND THE LAST TREOM OF THE EXIT ACCESS STAIRWAY OR TERMINATION OF SLOPE OF THE EXIT ACCESS RAMP.
2. NOT MORE THAN 50 PERCENT OF THE NUMBER AND MINIMUM WIDTH OR REQUIRED CAPACITY OF THE INTERIOR EXIT STAIRWAYS AND RAMPS IS PERMITTED TO EGRESS THROUGH A VESTIBULE PROVIDED THAT ALL OF THE FOLLOWING CONDITIONS ARE MET:
2.1. THE ENTIRE AREA OF THE VESTIBULE IS SEPARATED FROM AREAS BELOW BY CONSTRUCTION CONFORMING TO THE FIRE-RESISTANCE RATING OF THE INTERIOR EXIT STAIRWAY OR RAMP ENCLOSURE.
2.2. THE DEPTH FROM THE EXTERIOR OF THE BUILDING IS NOT GREATER THAN 10 FEET AND THE LENGTH IS NOT GREATER THAN 30 FEET.
2.3. THE AREA IS SEPARATED FROM THE REMAINDER OF THE LEVEL OF EXIT DISCHARGE BY A FIRE PARTITION CONSTRUCTED IN ACCORDANCE WITH SECTION 708.
EXCEPTION: THE MAXIMUM TRANSMITTED TEMPERATURE RISE IS NOT REQUIRED.
2.4. THE AREA IS USED ONLY FOR MEANS OF EGRESS AND EXITS DIRECTLY TO THE OUTSIDE.
3. HORIZONTAL EXITS COMPLYING WITH SECTION 1026 SHALL NOT BE REQUIRED TO DISCHARGE DIRECTLY TO THE EXTERIOR OF THE BUILDING.

BC 1028.2 EXIT DISCHARGE WIDTH OR CAPACITY
THE MINIMUM WIDTH OR REQUIRED CAPACITY OF THE EXIT DISCHARGE SHALL BE
NOT LESS THAN THE MINIMUM WIDTH OR REQUIRED CAPACITY OF THE EXITS BEING SERVED.

BC 1028.5 ACCESS TO A PUBLIC WAY
THE EXIT DISCHARGE SHALL PROVIDE A DIRECT AND UNOBSTRUCTED ACCESS TO A PUBLIC WAY.

BC 1029.6 CAPACITY OF AISLE FOR ASSEMBLY
THE REQUIRED CAPACITY OF AISLES SHALL BE NOT LESS THAN THAT DETERMINED IN ACCORDANCE WITH SECTION 1029.6.1 WHERE SMOKE-PROTECTED ASSEMBLY SEATING IS NOT PROVIDED, SECTION 1029.6.2 WHERE SMOKE-PROTECTED ASSEMBLY SEATING IS PROVIDED AND SECTION 1029.6.3 WHERE OPEN-AIR ASSEMBLY SEATING IS PROVIDED.

BC TABLE 1029.6.2 CAPACITY FOR AISLES FOR SMOKE-PROTECTED ASSEMBLY

TOTAL NUMBER OF SEATS IN THE SMOKE-PROTECTED ASSEMBLY SEATING	LEVEL AISLES OR RAMPED AISLES NOT STEEPER THAN 1 IN 10 IN SLOPE
EQUAL TO OR LESS THAN 5,000	0.150

BC 1029.7 TRAVEL DISTANCE
THE EXIT ACCESS TRAVEL DISTANCE SHALL COMPLY WITH SECTION 1017. WHERE
AISLES ARE PROVIDED FOR SEATING, THE DISTANCE SHALL BE MEASURED ALONG THE AISLES AND AISLE ACCESSWAYS WITHOUT TRAVEL OVER OR ON THE SEATS.

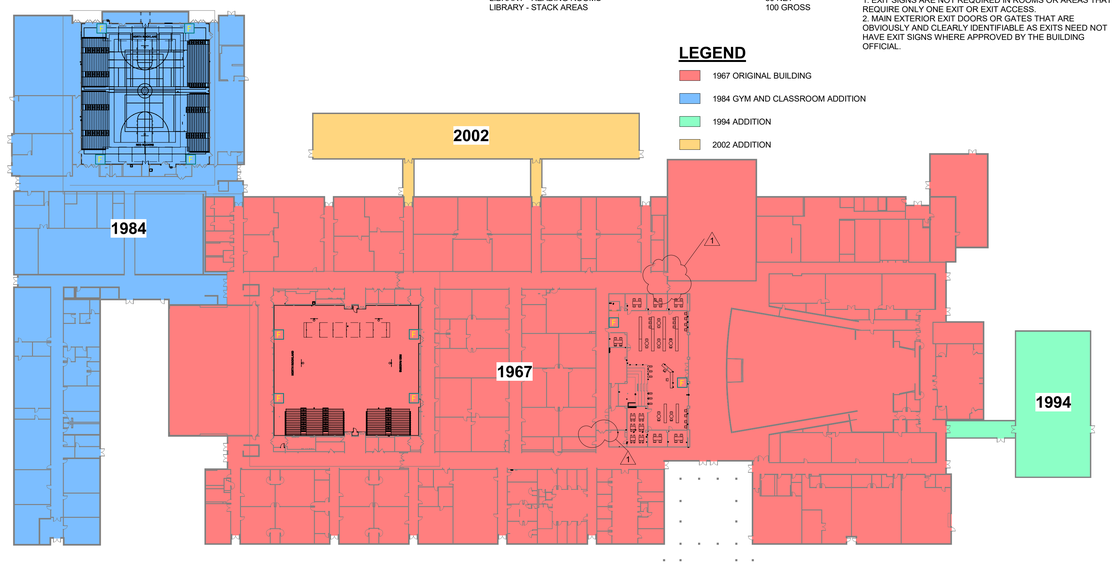
BC 1029.8 COMMON PATH OF EGRESS TRAVEL
THE COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED 30 FEET FROM ANY
SEAT TO A POINT WHERE AN OCCUPANT HAS A CHOICE OF TWO PATHS OF EGRESS TRAVEL TO TWO EXITS.

BC 1029.9 ASSEMBLY AISLES ARE REQUIRED
EVERY OCCUPIED PORTION OF ANY BUILDING, ROOM OR SPACE USED FOR ASSEMBLY PURPOSES THAT CONTAINS SEATS, TABLES, DISPLAYS, SIMILAR FIXTURES OR EQUIPMENT SHALL BE PROVIDED WITH AISLES LEADING TO EXITS OR EXIT ACCESS DOORWAYS IN ACCORDANCE WITH THIS SECTION.

BC 1029.9.1 MINIMUM AISLE WIDTH
THE MINIMUM CLEAR WIDTH FOR AISLES SHALL COMPLY WITH ONE OF THE FOLLOWING:
1. 42 INCHES FOR LEVEL OR RAMPED AISLES HAVING SEATING ON BOTH SIDES.
EXCEPTIONS:
1. 36 INCHES WHERE THE AISLE SERVES LESS THAN 50 SEATS.
2. 30 INCHES (762 MM) WHERE THE AISLE SERVES LESS THAN 15 SEATS AND DOES NOT SERVE AS PART OF AN ACCESSIBLE ROUTE.
2. 36 INCHES (914 MM) FOR LEVEL OR RAMP AISLES HAVING SEATING ON ONLY ONE SIDE.
EXCEPTION: 30 INCHES WHERE THE AISLE SERVES FEWER THAN 15 SEATS AND DOES NOT SERVE AS PART OF AN ACCESSIBLE ROUTE.

CHAPTER 11 ACCESSIBILITY

BC 1105.1 PUBLIC ENTRACNES
IN ADDITION TO ACCESSIBLE ENTRANCES REQUIRED BY SECTIONS 1105.1.1 THROUGH 1105.1.7, AT LEAST 60 PERCENT OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE.



VINTAGES PLAN A10
1" = 50'-0"

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

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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 ISSUANCE SET
DATE: 02/23/26
SCALE: As indicated
SHEET NAME: PROJECT INFORMATION
SHEET NUMBER: G-011

BID SET CONSTRUCTION SET

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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
- EXPANSION JOINT COVER ASSEMBLY (E.J.)

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 (F)
- FIRE ALARM AUDIO/VISUAL DEVICE (F)
- HEAT/THERMAL DETECTOR (TD)
- OCCUPANCY SENSOR
- CEILING FAN
- VOICE ENHANCEMENT SPEAKER (CONTRACTOR FURNISHED, CONTRACTOR INSTALLED)
- INTERCOM (CONTRACTOR FURNISHED, CONTRACTOR INSTALLED)
- TRACK LIGHTING
- SUSPENDED UPLIGHT
- SUSPENDED UPLIGHT
- STRIP LIGHTING FIXTURE LENGTH VARIES
- COVE LIGHT
- 30" DEEP RADIANT
- PHOTO CELL (P)
- SMOKE DETECTOR (SD)
- INTERCOM SPEAKER (S)
- CLASSROOM SPEAKER (SS)
- AUDIO/VISUAL FIXTURE (A)
- CAMERA (C)
- TONE/VISUAL FIXTURE (V)
- CCTV SURVEILLANCE FIXTURE (CT)
- MOTION SENSOR (MS)
- EXIT SIGN
- EMERGENCY LIGHT (E)
- ACCESS PANEL (ACS)
- EXTERIOR LIGHT FIXTURE
- CEILING MOUNTED WALL PROJECTOR
- SUSPENDED ACOUSTICAL CEILING: 1'X1', 2'X2', & 2'X4' SYSTEMS
- 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 — 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 / 1 — COLUMN GRID
- 1 — REVISION CLOUD & DELTA
- PT-X — WALL FINISH
- RB-X — BASE FINISH
- VCT-X — 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

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...

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 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.
12. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES 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.
13. PROVIDE LINTELS OR HEADERS AS REQUIRED OR DIRECTED OVER OPENINGS PENETRATED BY MECHANICAL EQUIPMENT.
14. PROVIDE MIN. 2X6 FIRE RETARDANT WOOD OR STEEL PLATE BLOCKING BETWEEN STUDS AT MOUNTING LOCATIONS FOR TOILET ACCESSORIES, HANDRAILS, GUARDRAILS, MILLWORK AND OTHER WALL MOUNTEDITEMS.
15. PROVIDE CODE COMPLIANT NON-COMBUSTIBLE BLOCKING, SUPPORTS, ETC., FOR SECURE, 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.
16. PROVIDE SECURE AND PERMANENT ANCHORAGE FOR CEILING FURRING AND OTHER CEILING MOUNTED ITEMS, SIESMIC REQUIREMENTS APPLY.
17. PROVIDE FIRE STOPPING AT ALL PENETRATIONS OF WALLS AND FLOORS AS SPECIFIED IN SPEC SECTION - FIRESTOPPING.
18. ALL SUBSTITUTIONS OF MATERIALS AND ASSEMBLIES MUST BE APPROVED BY ARCHITECT IN ACCORDANCE WITH DIVISION 1 SPECIAL CONDITIONS.
19. CONTRACTOR IS REQUIRED TO PROVIDE CONTROL AND EXPANSION JOINTS IN ALL ASSEMBLIES PER SPECIFICATION.
20. CONTRACTOR SHALL PROVIDE ACCESS TO ALL FIRE DAMPERS AND SPRINKLER HEADS.
21. ALL PIPING, DUCTWORK AND CONDUIT TO BE CONCEALED UNLESS NOTED OTHERWISE.
22. ALL EXISTING SITE COMPONENTS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. ALL DAMAGED SURFACES AND EQUIPMENT SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AS REQUIRED BY THE OWNER'S REP.
23. SITE SURVEY IS PROVIDED BY OTHERS AND IS INCLUDED FOR INFORMATION ONLY. ALL CONDITIONS TO BE FIELD VERIFIED BY CONTRACTOR.
24. CONTRACTOR SHALL MAINTAIN SITE DRAINAGE DURING CONSTRUCTION.
25. CONTRACTOR SHALL MAINTAIN A CLEAN AND SECURE SITE AS REQUIRED BY DIVISION 1 - CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS.
26. VERIFY THE FOLLOWING WITH THE RESPECTIVE TRADES:
    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.
27. HOT WATER LINES AND DRAIN LINES UNDERNEATH ACCESSIBLE SINKS SHALL BE INSULATED.
28. PROVIDE SPRAY-ON TYPE FIREPROOFING FOR ALL STRUCTURAL STEEL FRAMING AS REQUIRED, EXCEPT AT EXPOSED STEEL, UNO.
29. PROVIDE SEISMIC SPLAY WIRES & PROVIDE COMPRESSION STRUTS FOR ACOUSTICAL TILE & GYP BD SUSPENSION SYSTEMS.
30. ALL CONSTRUCTION SHALL COMPLY TO RESPECTIVE SEISMIC REQUIREMENT SEE STRUCT DRAWINGS FOR SEISMIC CHARACTERISTICS.
31. EXPOSED ENDS OF ALL PROJECTING ELEMENTS SUCH AS SILLS, LEDGES & SIMILAR COMPONENTS FABRICATED IN METAL, STONE & OTHER MATERIALS SHALL BE FINISHED SAME AS FACE.
32. FOR SPRAY-APPLIED AND INTUMESCENT FIRE PROTECTION SCOPE, REFER TO SCHEDULE AT END OF SECTION 07 81 23 INTUMESCENT FIREPROOFING

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EXP. DATE 03/31/2028

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET
DATE: 02/23/26
SCALE: As indicated
SHEET NAME: GENERAL NOTES / ABBREVIATIONS / LEGENDS AND SYMBOLS
SHEET NUMBER: G-031

PROGRESS SET - FOR REVIEW ONLY

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WALL TYPE NOTES

1. ALL WALLS ARE TYPE A3.0 UNLESS NOTED OTHERWISE.
2. USE TYPE "X" GYP. BOARD THROUGH OUT 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.

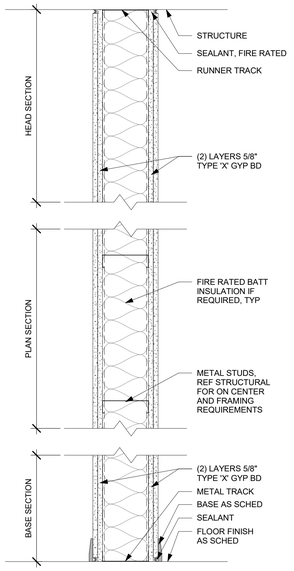
PARTITION TYPE LEGEND

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

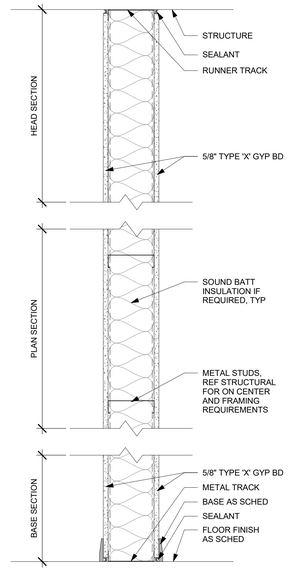
STUD SIZE
- X = NO FRAMING MEMBER
- 0 = 7/8"
- 1 = 1 5/8"
- 2 = 2 1/2"
- 3 = 3 5/8"
- 4 = 4"
- 6 = 6"
- 8 = 8"

WALL TAG KEY



WALL TYPE A.2

TWO LAYERS 5/8" TYPE 'X' GYPSUM WALLBOARD
ON BOTH SIDES OF METAL STUDS
FIRE RATED BATT INSULATION IN CAVITY
UL # U407
2 HR RATED
STC (DESIGNED) = 62



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

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EXP. DATE 03/31/2028

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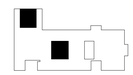
NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET

DATE: 02/23/26

SCALE: As indicated

SHEET NAME:
EXTERIOR WALL ASSEMBLIES & INTERIOR WALL TYPES

SHEET NUMBER:

G-041

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: AuthorCHECKED BY: Checker
C:\Users\jmyers\Documents\2535400.00 North Rockland Central School District_Main and Annex Gyms_jmyersKEKY.rvt
2/23/2026 1:32:26 PM

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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 CUT/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, 810.53 AND 810.10. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

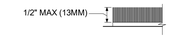


FIG. 302.2 CARPET PILE HEIGHT

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

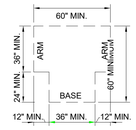


FIG. 304.3.2 T-SPACE TURNING SPACE

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.

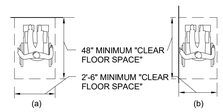


FIG. 305.5 POSITION OF CLEAR FLOOR OR GROUND SPACE

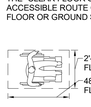


FIG. 305.3 CLEAR FLOOR OR GROUND SPACE

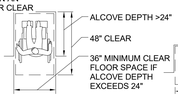


FIG. 305.7.1 FORWARD APPROACH

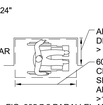


FIG. 305.7.2 PARALLEL APPROACH

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.

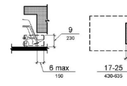


FIG. 306.2 TOE CLEARANCE

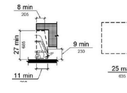


FIG. 306.3 KNEE CLEARANCE

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 SIDE OR 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.

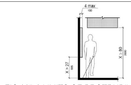


FIG.307.2 LIMITS OF PROTRUDING OBJECTS

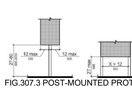


FIG.307.3 POST-MOUNTED PROTRUDING OBJECTS

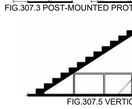


FIG.307.5 VERTICAL CLEARANCE

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.

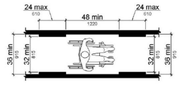


FIG. 403.5.1 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

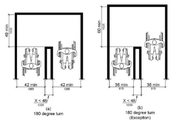


FIG. 403.5.2 CLEAR WIDTH AT TURN

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 OR 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.

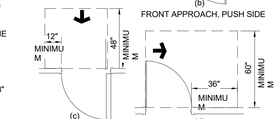
404.2.5. THRESHOLDS. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE 1/2" (13 MM) HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 302 AND 303.
EXCEPTION: EXISTING OR ALTERED THRESHOLDS 3/4" (19 MM) HIGH MAXIMUM THAT HAVE A BEVELED EDGE ON EACH SIDE WITH A SLOPE NOT STEEPER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

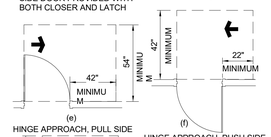
404.2.6. DOORS AND GATES IN SERIES. THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48" (1220 MM) MINIMUM PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO THE SPACE.

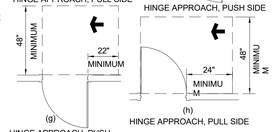
404.2.7. DOOR AND GATE HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" (865 MM) MINIMUM AND 48" (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN FULLY OPEN POSITION, 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).







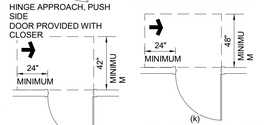


FIG. 404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

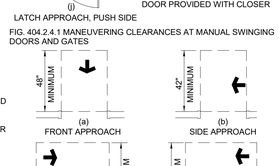


FIG. 404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS,GATES, AND FOLDING DOORS.

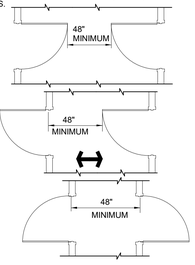


FIG. 404.2.7. DOORS IN SERIES AND GATES IN SERIES

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.

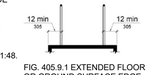
405.7. LANDINGS. RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN. LANDING SHALL COMPLY WITH 405.7.
ADVISORY 405.7 LANDINGS: RAMPS THAT DO NOT HAVE LEVEL LANDINGS AT CHANGES IN DIRECTION CAN CREATE A COMPOUND SLOPE THAT WILL NOT MEET THE REQUIREMENTS OF THIS CODE. CIRCULAR OR CURVED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

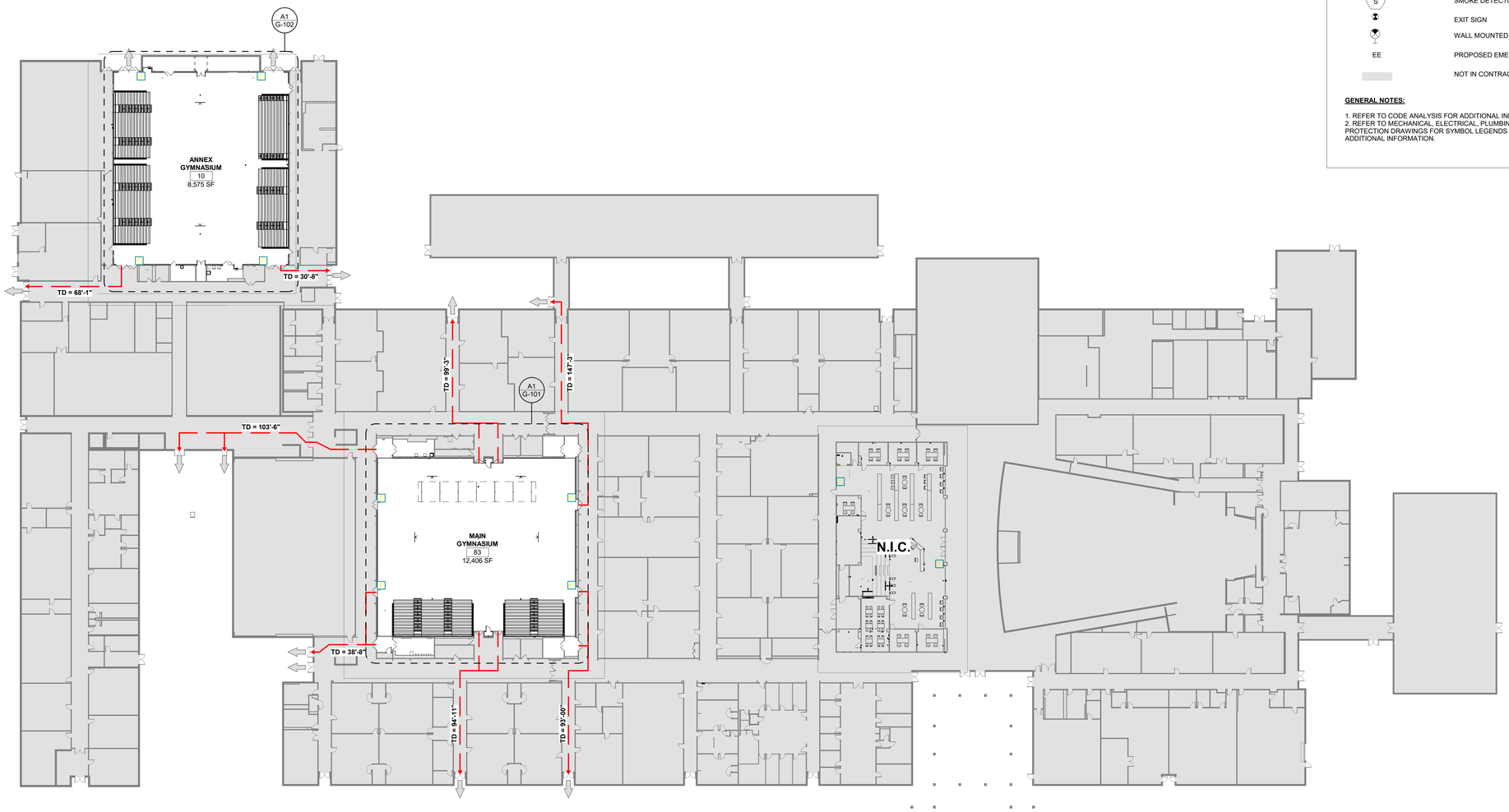
405.7.1. SLOPE. LANDINGS SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED.
EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

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.





LIFE SAFETY LEGEND

- 30 MIN FIRE BARRIER
- 1 HR FIRE BARRIER
- 2 HR FIRE BARRIER
- TRAVEL DISTANCE
- TD-XX'-X" — TRAVEL DISTANCE
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- S — SMOKE DETECTOR
- EXIT SIGN
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- EE — PROPOSED EMERGENCY EXIT ONLY
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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.

OVERALL LIFE SAFETY FLOOR PLAN — A1
1" = 30'-0"

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REGISTERED ARCHITECT ARMANDO SAMUEL QUIRINI 022313 STATE OF NEW YORK

EXP. DATE 03/31/2028

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET
DATE: 02/23/26
SCALE: As indicated
SHEET NAME: OVERALL LIFE SAFETY PLAN
SHEET NUMBER: G-100

BID SET

DRAWN BY: JH/DV
PROJECT MANAGER:
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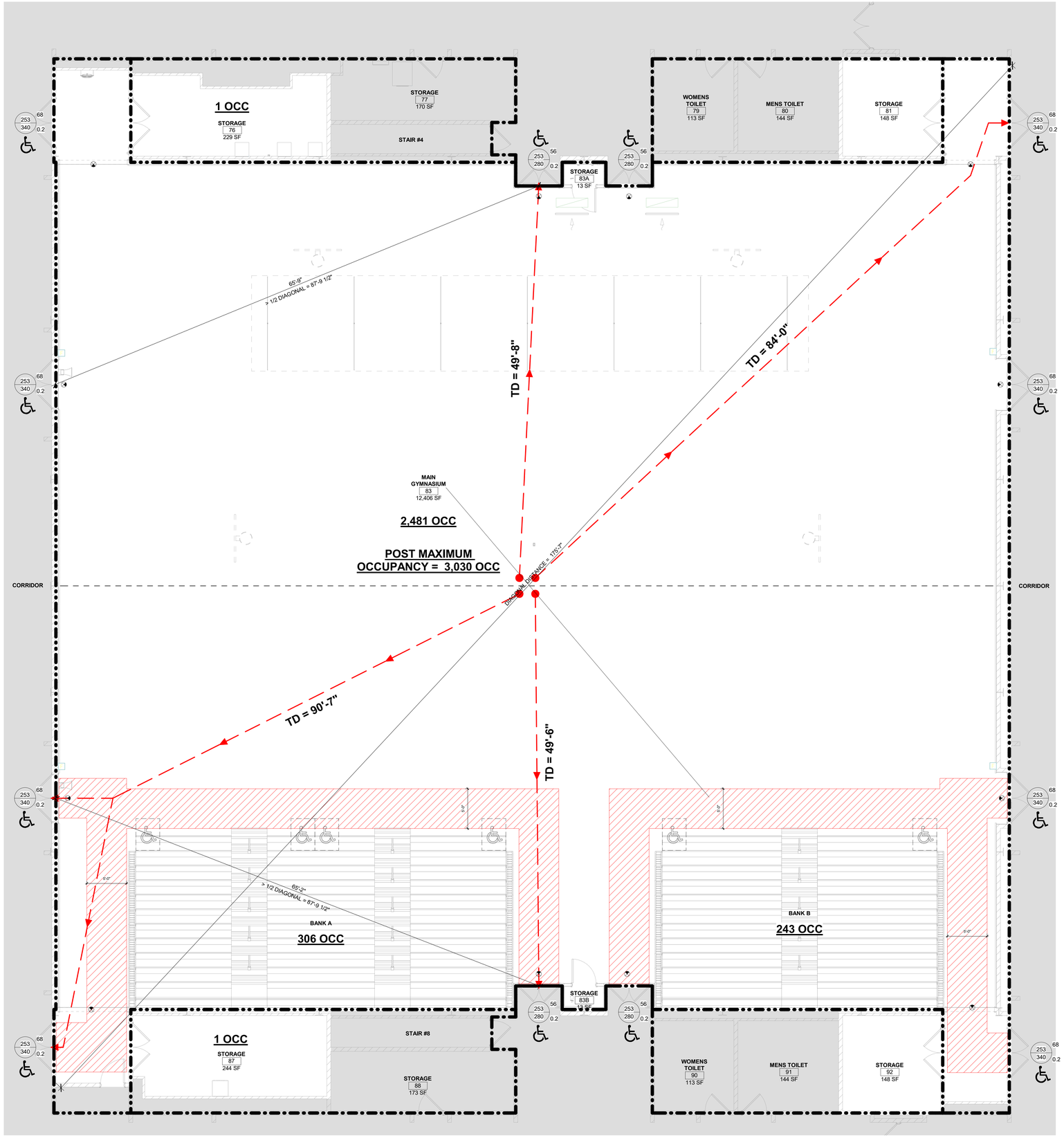

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OCCUPANCY CALCULATION

Number	Name	Area	Function of Space	Occupancy	Occupant Load Factor	OCC
Level 1						
76	STORAGE	229 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	GROUP S-1	300 GROSS	1
81	STORAGE	148 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	GROUP S-1	300 GROSS	0
83	MAIN GYMNASIUM	12,406 SF	ASSEMBLY WITHOUT FIXED SEATS - STANDING SPACE	GROUP A-3	5 NET	2481
83A	STORAGE	13 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	GROUP S-1	300 GROSS	0
83B	STORAGE	13 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	GROUP S-1	300 GROSS	0
87	STORAGE	244 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	GROUP S-1	300 GROSS	1
92	STORAGE	148 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	GROUP S-1	300 GROSS	0
		13,201 SF				2483
Grand total		13,201 SF				2483

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 SFA UNDER
75' TO SEPARATE SMOKE ZONE IN OPEN PLANNED AREAS
NO DEAD-END CORRIDORS (<1.5 X WIDTH, MAX 50')

OCCUPANCY LOADS	NYS BC TABLE 1004.5
ASSEMBLY WITHOUT FIXED SEATS - STANDING SPACE	5 NET SF/PERSON
STORAGE/MECHANICAL	300 GROSS 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.

ENLARGED MAIN GYMNASIUM LIFE SAFETY PLAN

3/16" = 1'-0" — A1

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET
DATE: 02/23/26
SCALE: As indicated
SHEET NAME: ENLARGED LIFE SAFETY PLAN
SHEET NUMBER: G-101

PROGRESS SET - FOR REVIEW ONLY

PROJECT NUMBER: 2535401.00 COPYRIGHT © 2025 KSQ ARCHITECTS, PC

DRAWN BY: rl_dhut
PLOTTED BY: rl_dhut
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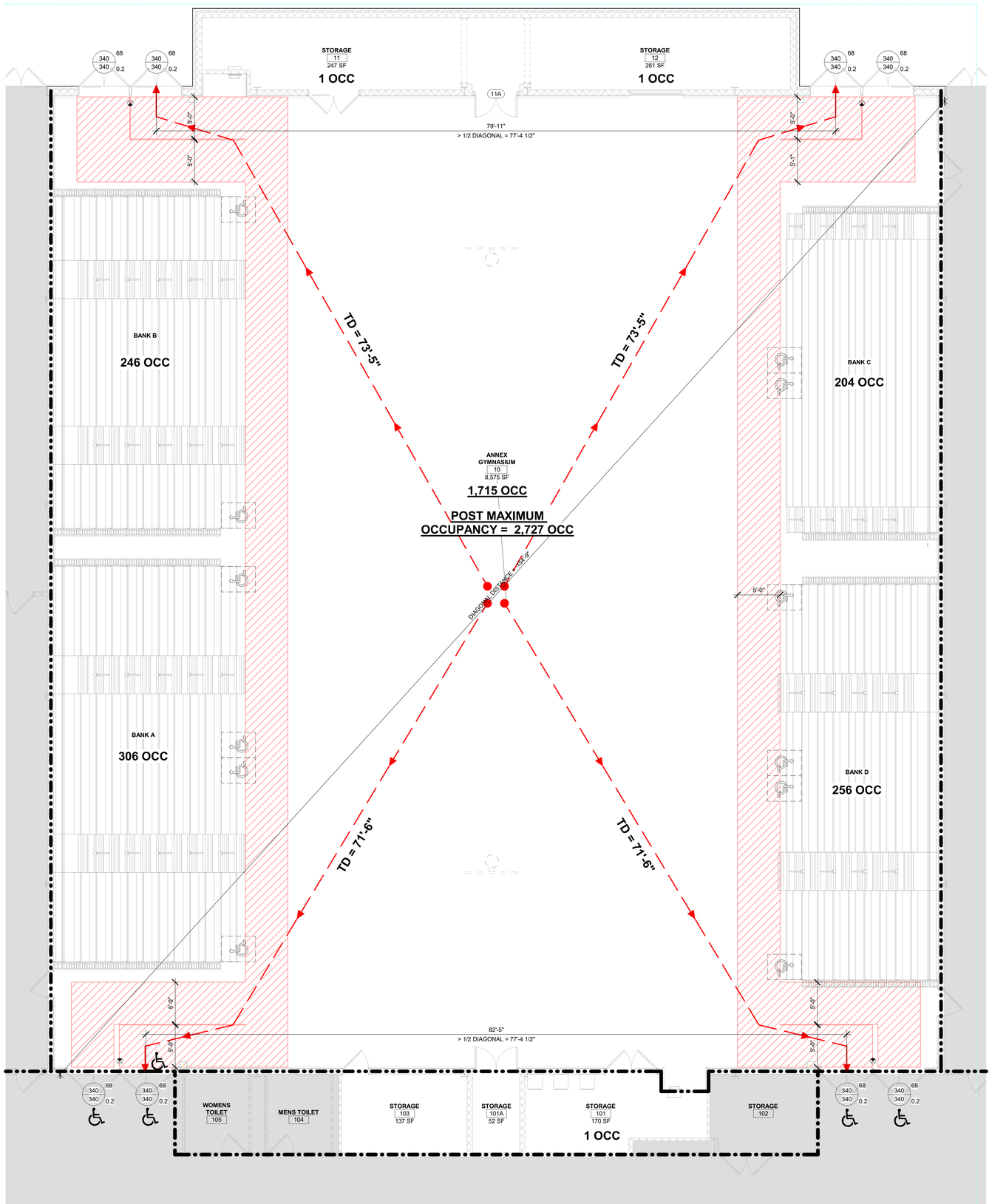

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OCCUPANCY CALCULATION

Number	Name	Area	Function of Space	Occupancy	Occupant Load Factor	OCC
Level 1						
10	ANNEX GYMNASIUM	8,575 SF	ASSEMBLY WITHOUT FIXED SEATS - STANDING SPACE	GROUP A-3	5 NET	1715
11	STORAGE	247 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	GROUP S-1	300 GROSS	1
12	STORAGE	261 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	GROUP S-1	300 GROSS	1
101	STORAGE	170 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	GROUP S-1	300 GROSS	1
101A	STORAGE	52 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	GROUP S-1	300 GROSS	0
103	STORAGE	137 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	GROUP S-1	300 GROSS	0
		9,443 SF				1718
Grand total		9,443 SF				1718

SED MANUAL OF PLANNING STANDARDS

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120' TO STAIR ENCLOSURE FROM CORRIDOR (OTHER THAN GROUND FLOOR)
50' TO EXIT FROM ALL ROOMS 1500 SF& UNDER
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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET
DATE: 02/23/26
SCALE: As indicated
SHEET NAME: ENLARGED LIFE SAFETY PLAN
SHEET NUMBER: G-102

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: Author
CHECKED BY: Checker
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2/23/2026 1:32:32 PM

PROJECT NUMBER: 2535401.00 COPYRIGHT © 2025 KSQ ARCHITECTS, PC

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.

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.

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EXP. DATE: 2/28/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

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

REVISIONS

No.	Description	Date

ISSUED:

DATE:

SCALE:

SHEET NAME:
STRUCTURAL NOTES

SHEET NUMBER:
S-001

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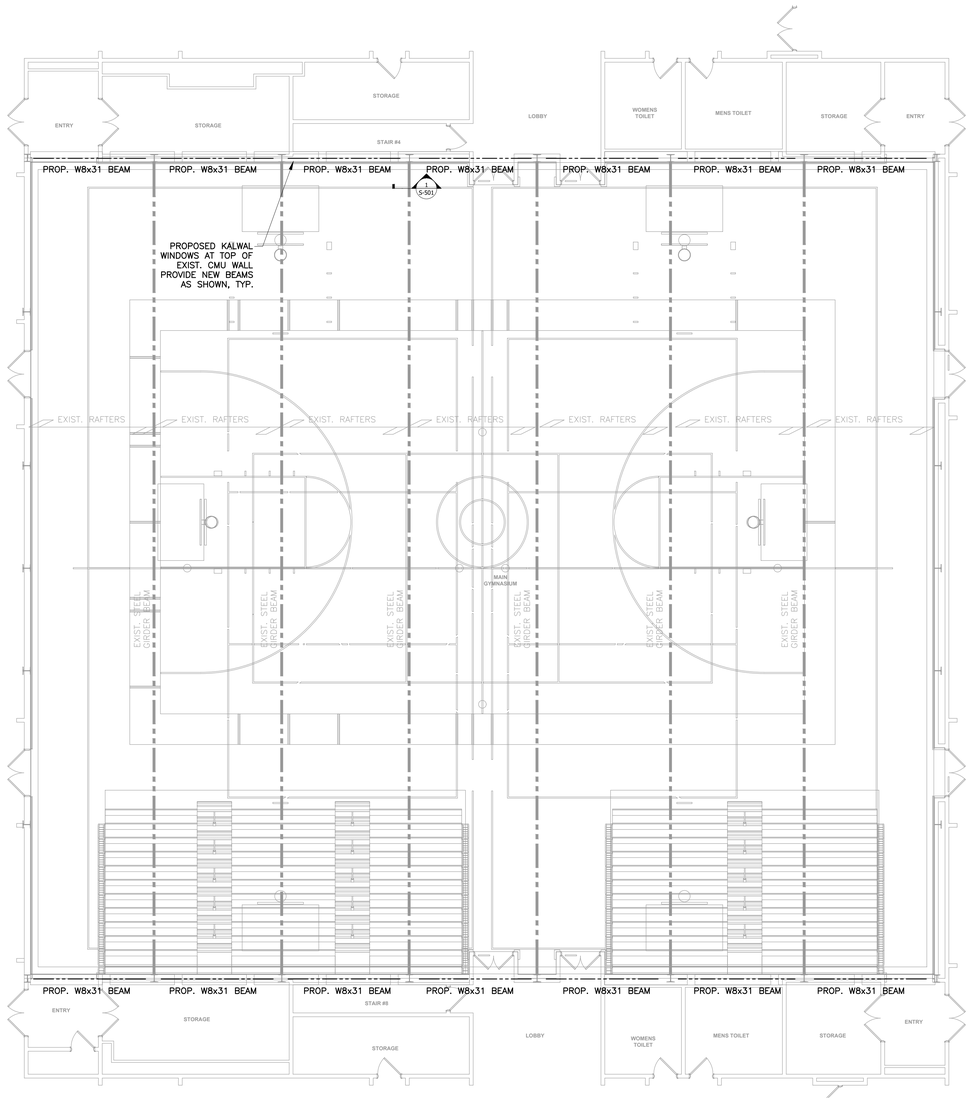
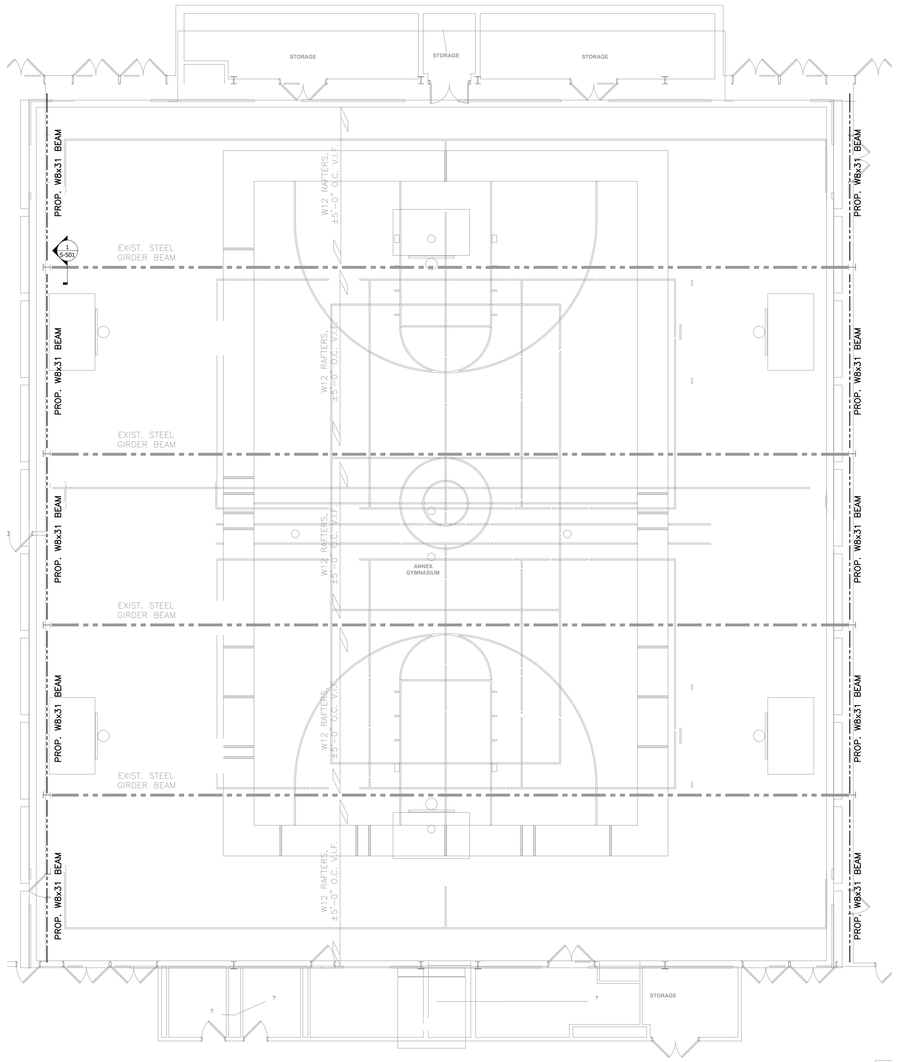


1 S-103 GYM ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"



2 S-103 ANNEX GYM ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

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106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

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

REVISIONS

No.	Description	Date

ISSUED:

DATE:

SCALE:

SHEET NAME:
GYM ROOF FRAMING PLANS

SHEET NUMBER:
S-101

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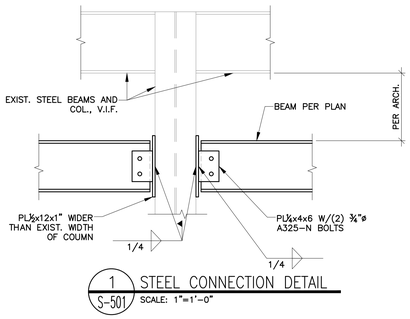

1 S-501 STEEL CONNECTION DETAIL
SCALE: 1"=1'-0"

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106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

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

REVISIONS

No.	Description	Date

ISSUED:

DATE:

SCALE:

SHEET NAME:
STRUCTURAL DETAILS

SHEET NUMBER:
S-501

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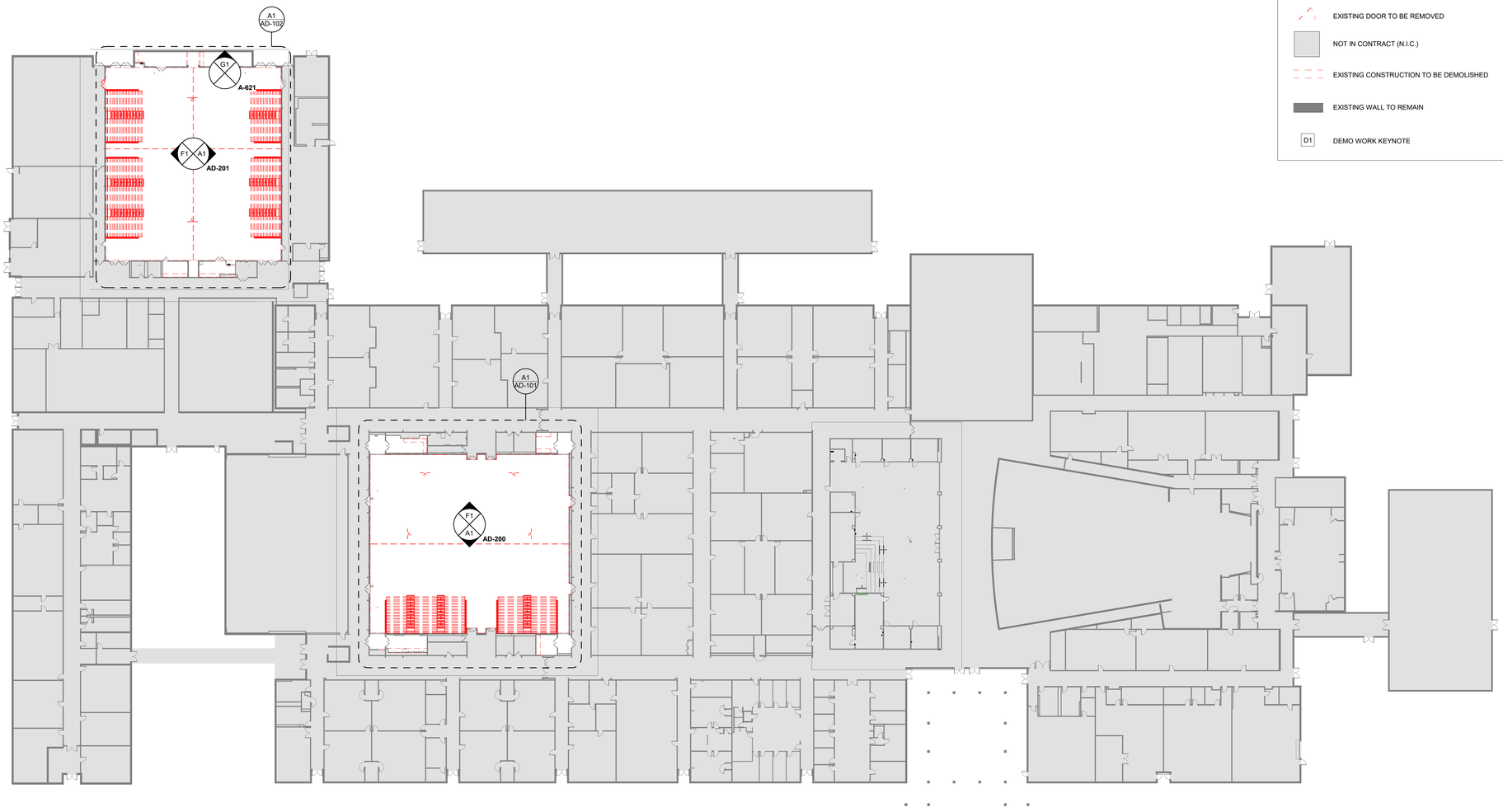

DEMOLITION NOTES:

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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

OVERALL FIRST FLOOR DEMOLITION PLAN

1" = 30'-0"

A1

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REGISTERED ARCHITECT ARMANDO SAMUEL QUIRINI 022313 STATE OF NEW YORK

EXP. DATE 03/31/2028

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET
DATE: 02/23/26
SCALE: As indicated
SHEET NAME: OVERALL FIRST FLOOR DEMO PLAN
SHEET NUMBER: AD-100

PROGRESS SET - FOR REVIEW ONLY

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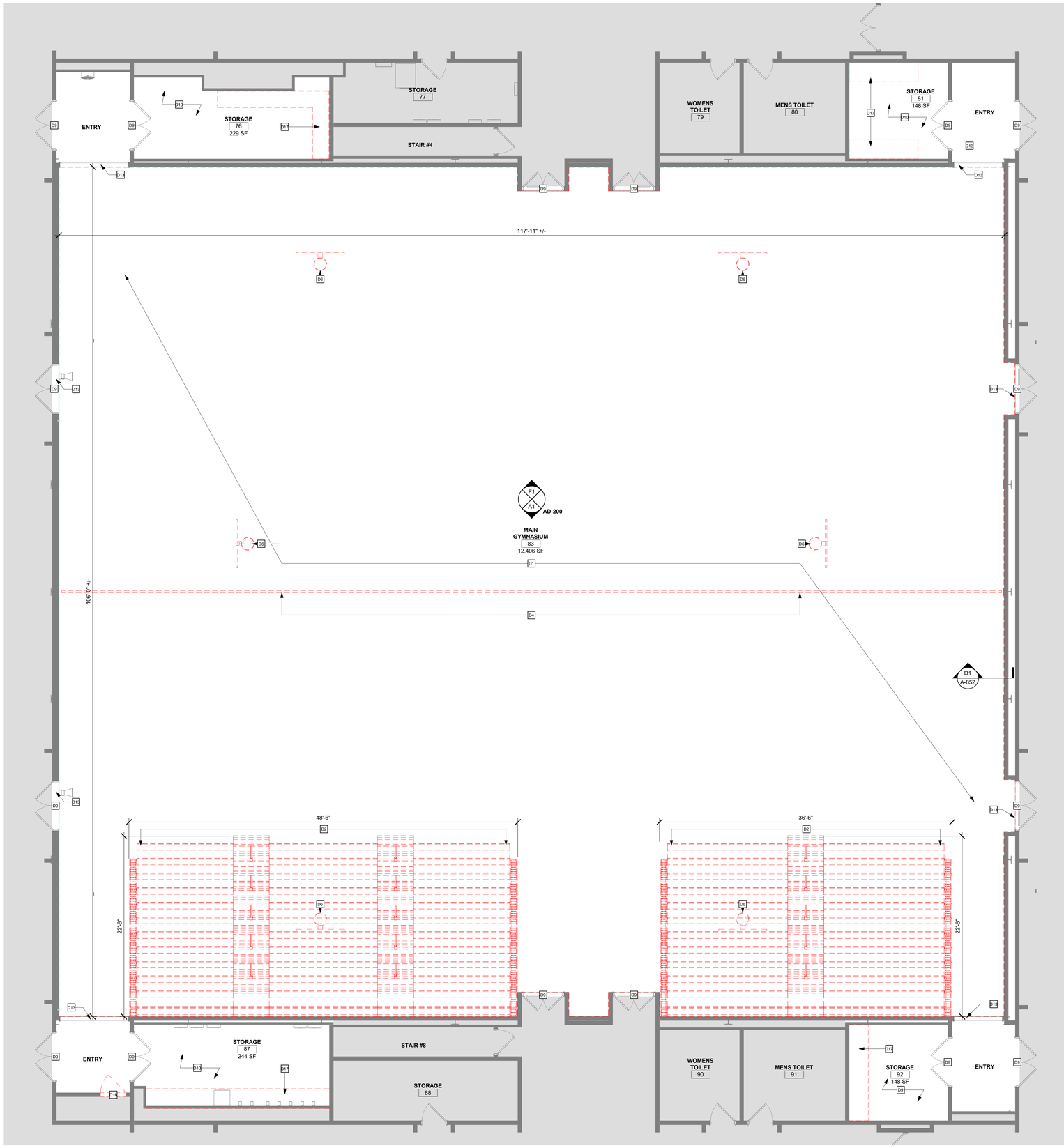

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DEMOLITION LEGEND:

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- EXISTING WALL TO REMAIN
- D1 — DEMO WORK KEYNOTE

DEMO PLAN KEYNOTES

#	DESCRIPTION
D1	REMOVE EXISTING WOOD SPORTS FLOORING IN ITS ENTIRETY DOWN TO EXISTING SUBSTRATE, INCLUDING THE WALL BASE, SUPPORTS, AND ANY RELATED ACCESSORIES.
D2	REMOVE EXISTING TELESCOPIC BLEACHERS IN THEIR ENTIRETY INCLUDING SUPPORTS AND ANY RELATED ACCESSORIES TO ACCOMMODATE REMOVALS AND NEW WORK. PATCH MASONRY AND CMU BLOCK WALLS AFTER REMOVAL OF BLEACHER SYSTEMS.
D3	REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY INCLUDING SUPPORTS, CLG MOUNTED DEVICES, AND ANY RELATED ACCESSORIES TO ACCOMMODATE REMOVALS AND NEW WORK. COORDINATE WITH MEP AND NEW WORK DRAWINGS.
D4	TEMPORARILY REMOVE AND SALVAGE EXISTING DIVIDER CURTAIN AND RAIL SYSTEM FOR REINSTALLATION WITH NEW WORK. COORDINATE WITH MEP AND NEW WORK DRAWINGS.
D5	REMOVE EXISTING DIVIDER CURTAIN AND RAIL SYSTEM IN ITS ENTIRETY INCLUDING SUPPORTS AND ANY RELATED ACCESSORIES.
D6	REMOVE EXISTING CEILING MOUNTED BASKETBALL BACKSTOP IN ITS ENTIRETY INCLUDING SUPPORTS AND ANY RELATED ACCESSORIES TO ACCOMMODATE NEW WORK. COORDINATE WITH MEP AND NEW WORK DRAWINGS.
D8	REMOVE EXISTING MULTI-SPORT CAGE IN ITS ENTIRETY, INCLUDING SUPPORTS AND ANY ACCESSORIES TO ACCOMMODATE REMOVALS AND NEW WORK. COORDINATE WITH NEW WORK DRAWINGS.
D9	SAND SMOOTH EXISTING PAINT AND PATCH EXISTING DOOR SLAB AND DOOR FRAME. PREPARE EXISTING SURFACE TO ACCEPT NEW PAINT.
D10	REMOVE EXISTING FLOOR PAINT AND PREPARE CONCRETE SLAB SURFACE FOR NEW FLOOR FINISH.
D11	REMOVE EXISTING DOOR, DOOR FRAME, AND DOOR HARDWARE IN THEIR ENTIRETY TO ACCOMMODATE NEW WORK.
D12	EXISTING PLUMBING FIXTURE. REFER TO PLUMBING DRAWINGS AND COORDINATE WITH NEW WORK DRAWINGS.
D13	REMOVE EXISTING THRESHOLD. COORDINATE WITH NEW WORK DRAWINGS.
D14	EXISTING LIGHTING FIXTURES. REFER TO ELECTRICAL DRAWINGS
D15	EXISTING MECHANICAL EQUIP. REFER TO MECHANICAL DRAWINGS.
D16	REMOVE EXISTING DOOR SLAB AND DOOR HARDWARE. EXISTING FRAME TO REMAIN, SCRAPE EXISTING PAINT AND PATCH FRAME AS NEEDED. PREP FRAME SURFACE TO RECEIVE NEW PAINT.
D17	EXISTING SHELVING TO REMAIN. PROTECT DURING REMOVALS AND NEW WORK
D18	EXISTING PARTITION AND ANY WALL MOUNTED FIXTURES TO BE REMOVED TO ACCOMODATE REMOVALS AND NEW WORK. COORDINATE WITH MEP DRAWINGS.
D19	REMOVE EXISTING EXTERIOR MASONRY WALLS TO ACCOMODATE REMOVALS AND NEW WORK. COORDINATE WITH ABATEMENT, STRUCTURAL, AND NEW WORK DRAWINGS.

ENLARGED MAIN GYMNASIUM DEMO FLOOR PLAN

3/16" = 1'-0"

A1

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EXP. DATE 03/31/2028

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET

DATE: 02/23/26

SCALE: As indicated

SHEET NAME:
ENLARGED MAIN GYMNASIUM DEMO PLAN

SHEET NUMBER:

AD-101

PROGRESS SET - FOR REVIEW ONLY

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CHECKED BY: A.Quirini
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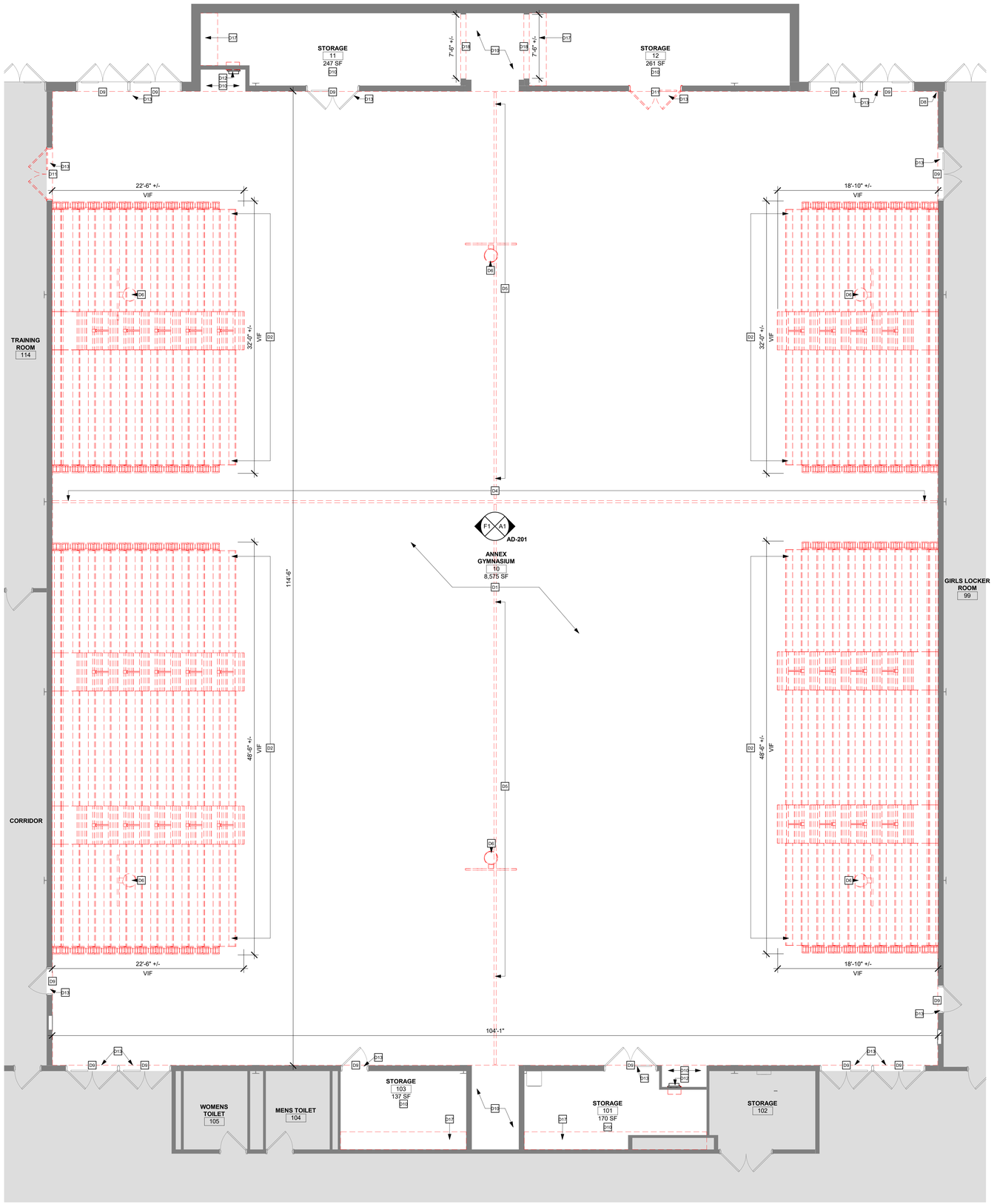

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- EXISTING CONSTRUCTION TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- D1 — DEMO WORK KEYNOTE

DEMO PLAN KEYNOTES

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ENLARGED ANNEX GYMNASIUM DEMO FLOOR PLAN

3/16" = 1'-0"

A1

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REGISTERED ARCHITECT ARMANDO SAMUEL QUIRINO 022313 STATE OF NEW YORK

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET

DATE: 02/23/26

SCALE: As indicated

SHEET NAME:
ENLARGED ANNEX GYMNASIUM DEMO PLAN

SHEET NUMBER:

AD-102

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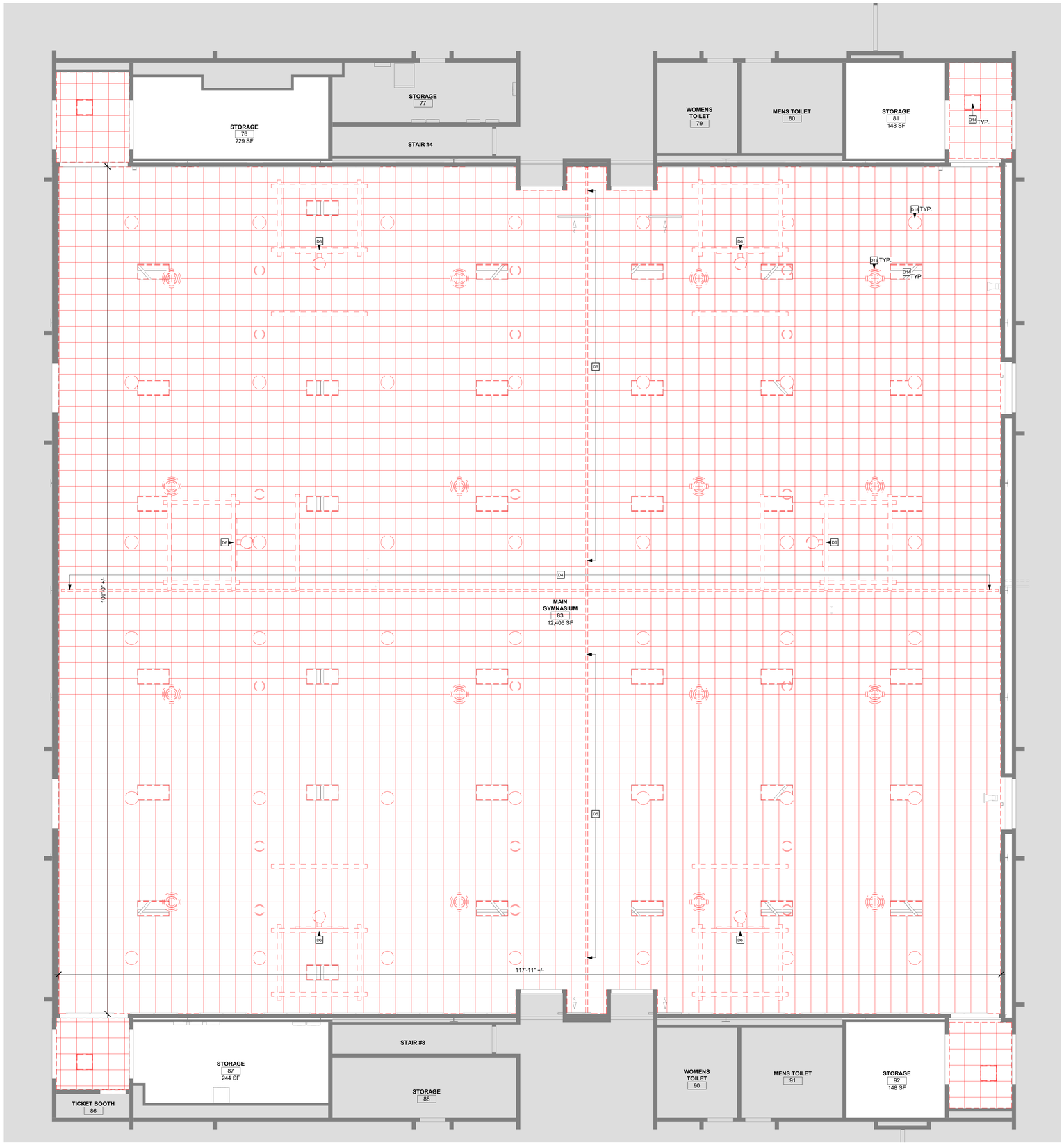

DEMOLITION LEGEND:

- 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
D1	REMOVE EXISTING WOOD SPORTS FLOORING IN ITS ENTIRETY DOWN TO EXISTING SUBSTRATE, INCLUDING THE WALL BASE, SUPPORTS, AND ANY RELATED ACCESSORIES.
D2	REMOVE EXISTING TELESCOPIC BLEACHERS IN THEIR ENTIRETY INCLUDING SUPPORTS AND ANY RELATED ACCESSORIES TO ACCOMMODATE REMOVALS AND NEW WORK. PATCH MASONRY AND CMU BLOCK WALLS AFTER REMOVAL OF BLEACHER SYSTEMS.
D3	REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY INCLUDING SUPPORTS, CLG MOUNTED DEVICES, AND ANY RELATED ACCESSORIES TO ACCOMMODATE REMOVALS AND NEW WORK. COORDINATE WITH MEP AND NEW WORK DRAWINGS.
D4	TEMPORARILY REMOVE AND SALVAGE EXISTING DIVIDER CURTAIN AND RAIL SYSTEM FOR REINSTALLATION WITH NEW WORK. COORDINATE WITH MEP AND NEW WORK DRAWINGS.
D5	REMOVE EXISTING DIVIDER CURTAIN AND RAIL SYSTEM IN ITS ENTIRETY INCLUDING SUPPORTS AND ANY RELATED ACCESSORIES.
D6	REMOVE EXISTING CEILING MOUNTED BASKETBALL BACKSTOP IN ITS ENTIRETY INCLUDING SUPPORTS AND ANY RELATED ACCESSORIES TO ACCOMMODATE NEW WORK. COORDINATE WITH MEP AND NEW WORK DRAWINGS.
D8	REMOVE EXISTING MULTI-SPORT CAGE IN ITS ENTIRETY, INCLUDING SUPPORTS AND ANY ACCESSORIES TO ACCOMMODATE REMOVALS AND NEW WORK. COORDINATE WITH NEW WORK DRAWINGS.
D9	SAND SMOOTH EXISTING PAINT AND PATCH EXISTING DOOR SLAB AND DOOR FRAME. PREPARE EXISTING SURFACE TO ACCEPT NEW PAINT.
D10	REMOVE EXISTING FLOOR PAINT AND PREPARE CONCRETE SLAB SURFACE FOR NEW FLOOR FINISH.
D11	REMOVE EXISTING DOOR, DOOR FRAME, AND DOOR HARDWARE IN THEIR ENTIRETY TO ACCOMODATE NEW WORK.
D12	EXISTING PLUMBING FIXTURE. REFER TO PLUMBING DRAWINGS AND COORDINATE WITH NEW WORK DRAWINGS.
D13	REMOVE EXISTING THRESHOLD. COORDINATE WITH NEW WORK DRAWINGS.
D14	EXISTING LIGHTING FIXTURES. REFER TO ELECTRICAL DRAWINGS
D15	EXISTING MECHANICAL EQUIP. REFER TO MECHANICAL DRAWINGS.
D16	REMOVE EXISTING DOOR SLAB AND DOOR HARDWARE. EXISTING FRAME TO REMAIN, SCRAPE EXISTING PAINT AND PATCH FRAME AS NEEDED. PREP FRAME SURFACE TO RECEIVE NEW PAINT.
D17	EXISTING SHELVING TO REMAIN. PROTECT DURING REMOVALS AND NEW WORK
D18	EXISTING PARTITION AND ANY WALL MOUNTED FIXTURES TO BE REMOVED TO ACCOMODATE REMOVALS AND NEW WORK. COORDINATE WITH MEP DRAWINGS.
D19	REMOVE EXISTING EXTERIOR MASONRY WALLS TO ACCOMODATE REMOVALS AND NEW WORK. COORDINATE WITH ABATEMENT, STRUCTURAL, AND NEW WORK DRAWINGS.

ENLARGED MAIN GYMNASIUM DEMO RCP

3/16" = 1'-0"

A1

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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

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SHEET NUMBER:

AD-111

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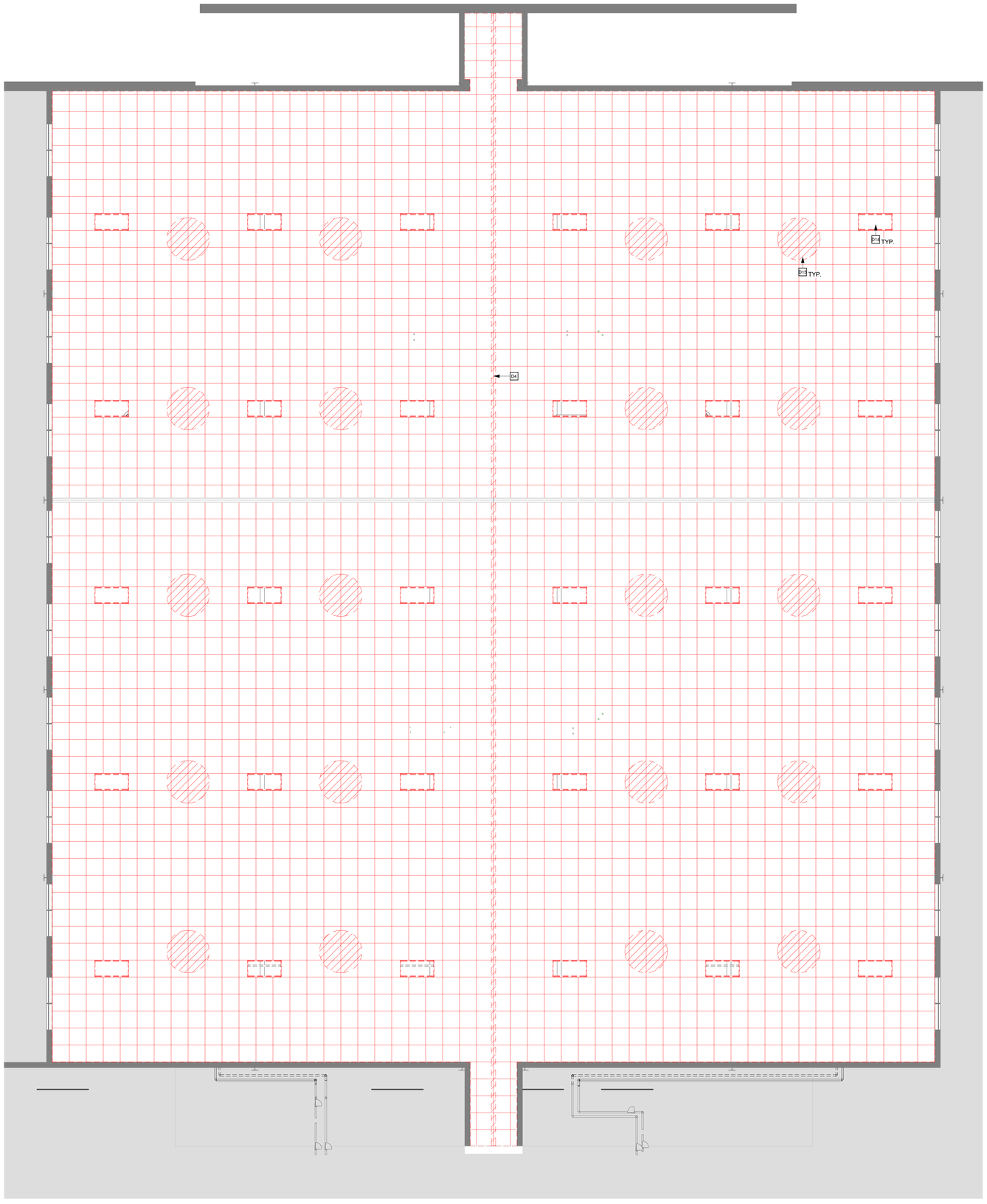

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- EXISTING WALL TO REMAIN
- D1 DEMO WORK KEYNOTE

DEMO PLAN KEYNOTES

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ENLARGED ANNEX GYMNASIUM DEMO RCP

3/16" = 1'-0"

A1

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET

DATE: 02/23/26

SCALE: As indicated

SHEET NAME:
ENLARGED ANNEX GYMNASIUM DEMO RCP

SHEET NUMBER:

AD-112

BID SET

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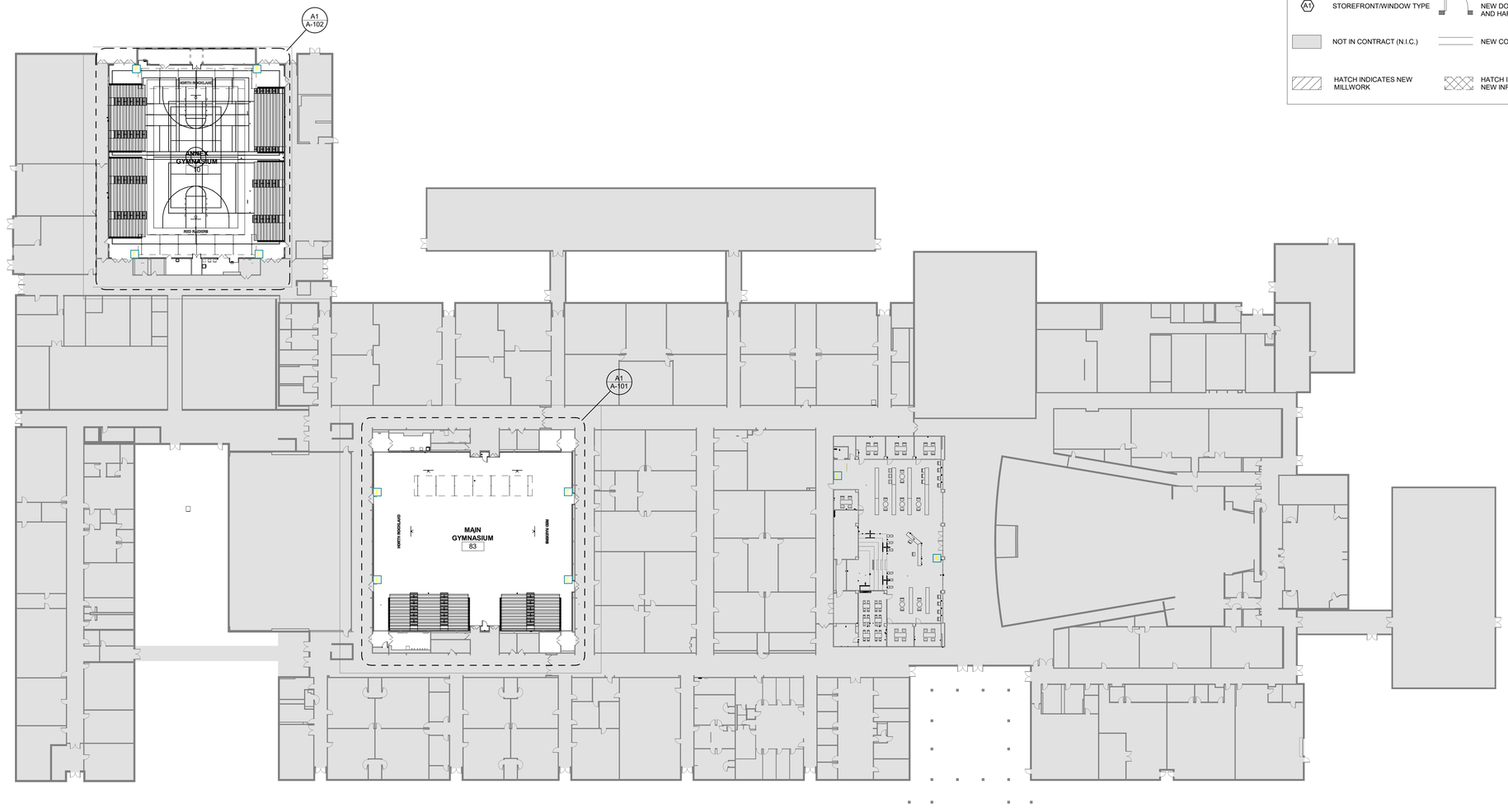
GENERAL NOTES:

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.
6. PROVIDE NEW ROOM SIGNAGE. REFER TO DRAWINGS A-851 FOR SCHEDULE AND DETAILS.

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 NEW INFIL



OVERALL FIRST FLOOR PLAN

1" = 30'-0"

A1

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KEY PLAN

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SCALE: As indicated

SHEET NAME:
OVERALL FLOOR PLAN

SHEET NUMBER:

A-100

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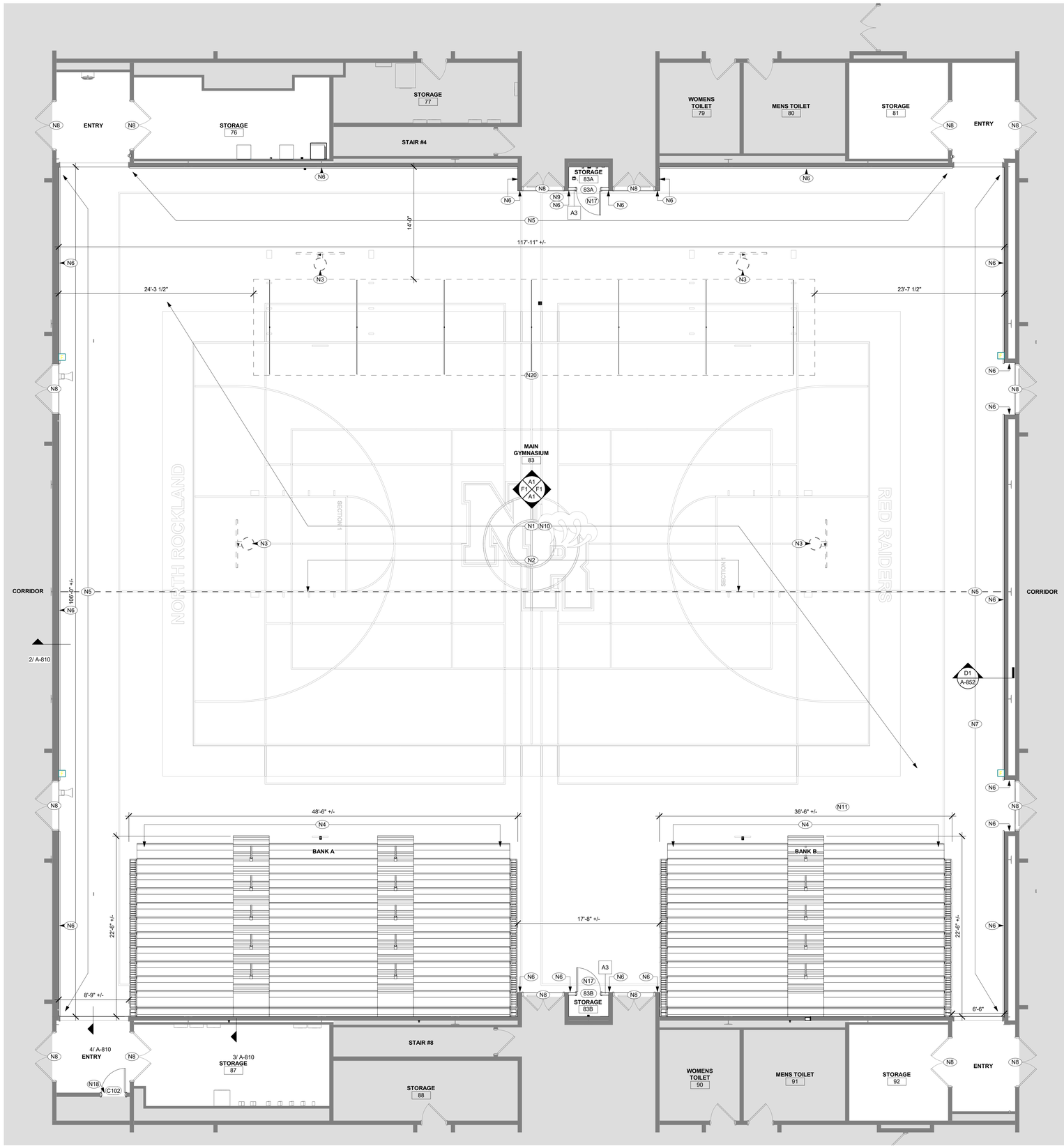

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6. PROVIDE NEW ROOM SIGNAGE. REFER TO DRAWINGS A-851 FOR SCHEDULE AND DETAILS.

FLOOR PLAN LEGEND:

- N1 — NEW WORK KEYNOTE
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- EXISTING DOOR TO REMAIN
- EXISTING WALL TO REMAIN
- NEW DOOR, FRAME, AND HARDWARE
- NEW CONSTRUCTION
- HATCH INDICATES NEW INFIL

NEW WORK KEYNOTES

#	NEW WORK - DESCRIPTION
N1	PROVIDE NEW WOOD SPORTS FLOORING AND SUBSTRATE, INCLUDING WALL BASE AND RELATED ACCESSORIES. REFER TO A-800 DRAWINGS FOR STRIPING PLANS.
N2	REINSTALL SALVAGED DIVIDER CURTAIN AND RAIL SYSTEM. COORDINATE WITH MEP DRAWINGS.
N3	PROVIDE NEW MOTORIZED FOLDING BASKETBALL BACKSTOPS. LOCATION TO BE COORDINATED WITH STRIPING LAYOUT. COORDINATE WITH MEP DRAWINGS.
N4	PROVIDE NEW TELESCOPIC GYMNASIUM BLEACHERS. COORDINATE WITH MEP DRAWNGS.
N5	PROVIDE NEW PAINT AT EXISTING EXPOSED CEILING/ROOF STRUCTURE. COORDINATE WITH MECH AND ELEC DRAWINGS. REFER TO FINISH SCHEDULE.
N6	PROVIDE NEW PROTECTIVE WALL PADDING.
N7	REINSTALL SALVAGED DIGITAL SCOREBOARDS. COORDINATE WITH ELECTRICAL AND NEW WORK DRAWINGS.
N8	INFILL WALL OPENING TO MATCH EXISTING ADJACENT CONSTRUCTION AND MAINTAIN AT LEAST 1HR FIRE RATING. WALL FINISH TO MATCH EXISTING ADJACENT.
N9	EXIST. SCOREBOARD TO BE RELOCATED, PROTECT.
N10	PROVIDE NEW FLOOR FINISH. REFER TO FINISH PLANS.
N11	PROVIDE NEW ALUMINUM THRESHOLD.
N14	NEW LIGHTING FIXTURES. REFER TO ELECTRICAL DRAWINGS.
N15	NEW MECHANICAL EQUIP. REFER TO MECHANICAL DRAWINGS.
N17	PROVIDE NEW DOOR SLAB, DOOR FRAME, AND DOOR HARDWARE. REFER TO DOOR SCHEDULE.
N18	PROVIDE NEW DOOR SLAB AND DOOR HARDWARE IN EXISTING FRAME. REFER TO DOOR SCHEDULE.
N19	PROVIDE NEW MULTI-SPORT CAGE.
N20	PROVIDE NEW MULTI-SPORT CAGE. (ALTERNATE 1 SCOPE)

ENLARGED MAIN GYMNASIUM FLOOR PLAN

3/16" = 1'-0"

A1

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106 Hammond Rd,
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SED PROJECT NUMBER

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KEY PLAN

REVISIONS

No.	Description	Date

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SHEET NAME: ENLARGED MAIN GYMNASIUM FLOOR PLAN
SHEET NUMBER: A-101

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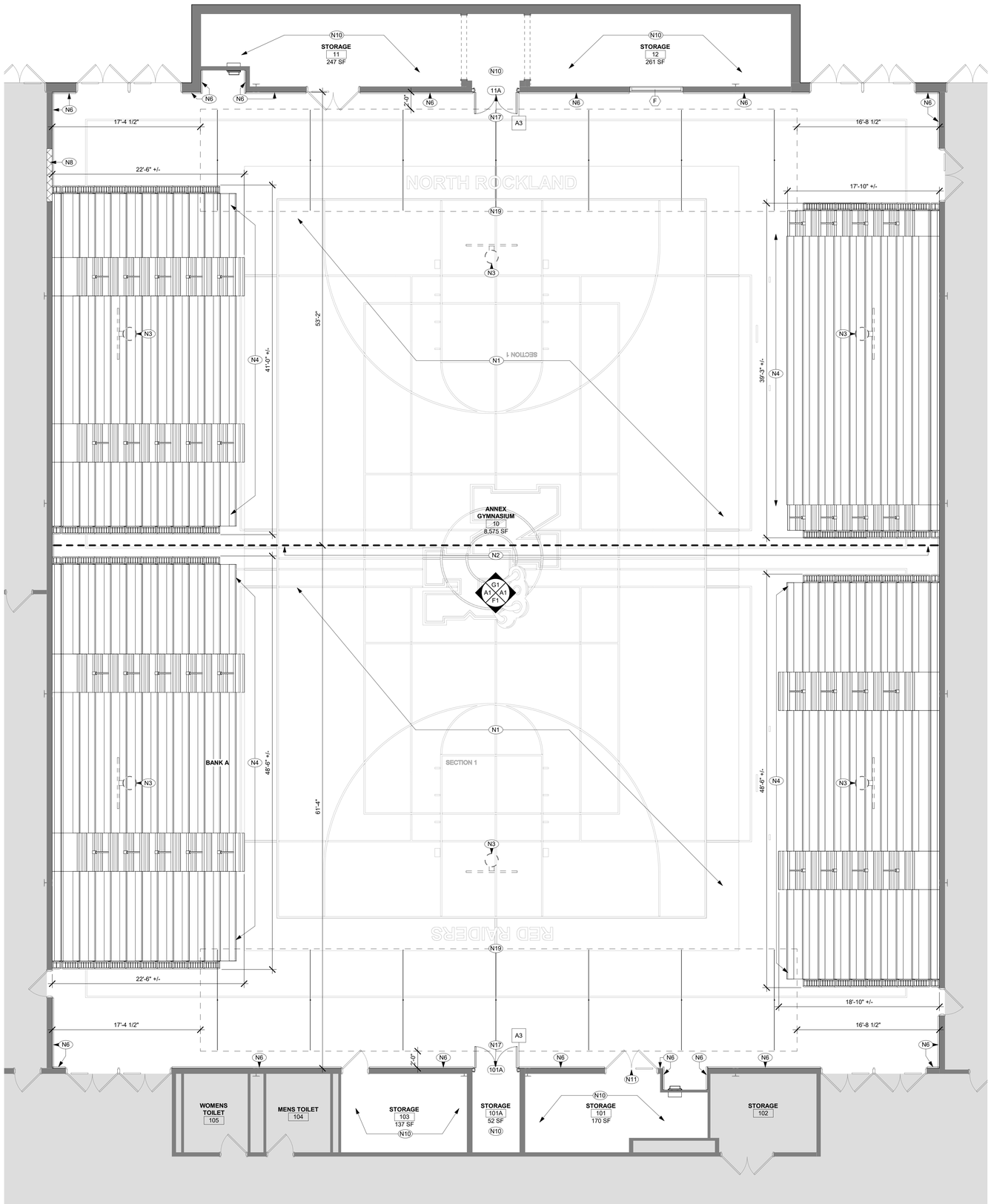

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ANNEX GYMNASIUM PLAN - LEVEL 1 — A1
3/16" = 1'-0"

ARCHITECT

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REGISTERED ARCHITECT ARMANDO SAMUEL QUIJANO 022313 STATE OF NEW YORK

EXP. DATE 03/31/2028

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET
DATE: 02/23/26
SCALE: As indicated
SHEET NAME: ENLARGED ANNEX GYMNASIUM FLOOR PLAN
SHEET NUMBER: A-102

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: Author
CHECKED BY: Checker
C:\Users\mpom\Documents\2535400.00 North Rockland Central School District_Main and Annex Gyms_jmpom64A7rt.rvt
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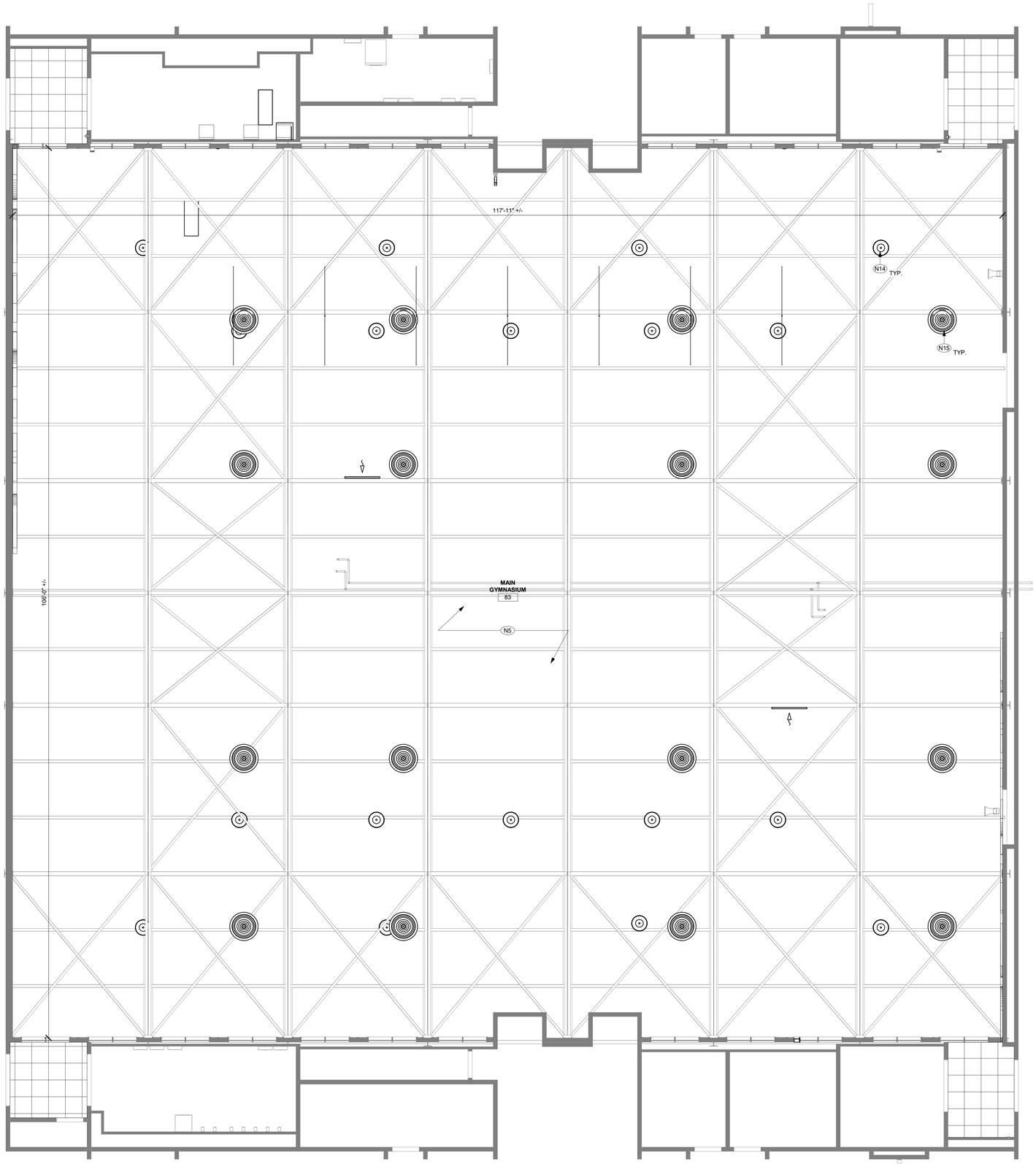

ENLARGED MAIN GYMNASIUM RCP

3/16" = 1'-0"

A1

GENERAL 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.
6. PROVIDE NEW ROOM SIGNAGE. REFER TO DRAWINGS A-851 FOR SCHEDULE AND DETAILS.

CEILING PLAN LEGEND:

- SUSPENDED ACOUSTICAL CEILING: 1'X1', 2'X2', & 2'X4' SYSTEMS
- C — CAMERA
- EXIT SIGN
- FORCE AIR DIFFUSER
- 2' X 4' LIGHT FIXTURE
- 2' X 2' LIGHT FIXTURE
- L# — LIGHT FIXTURE TAG
- XXX X'-X" — CEILING TYPE TAG
- RECESSED DOWNLIGHT
- GYPSUM WALLBOARD, CEMENT OR GYP PLASTER
- EXPOSED STRUCTURE
- EXISTING TO REMAIN
- AREA OF ACOUSTIC BAFFELS
- WALL MOUNTED LIGHT FIXTURE

NEW WORK KEYNOTES

#	NEW WORK - DESCRIPTION
N1	PROVIDE NEW WOOD SPORTS FLOORING AND SUBSTRATE. INCLUDING WALL BASE AND RELATED ACCESSORIES. REFER TO A-800 DRAWNGS FOR STRIPING PLANS.
N2	REINSTALL SALVAGED DIVIDER CURTAIN AND RAIL SYSTEM. COORDINATE WITH MEP DRAWINGS.
N3	PROVIDE NEW MOTORIZED FOLDING BASKETBALL BACKSTOPS. LOCATION TO BE COORDINATED WITH STRIPING LAYOUT. COORDINATE WITH MEP DRAWINGS.
N4	PROVIDE NEW TELESCOPIC GYMNASIUM BLEACHERS. COORDINATE WITH MEP DRAWNGS.
N5	PROVIDE NEW PAINT AT EXISTING EXPOSED CEILING/ROOF STRUCTURE. COORDINATE WITH MECH AND ELEC DRAWINGS. REFER TO FINISH SCHEDULE.
N6	PROVIDE NEW PROTECTIVE WALL PADDING.
N7	REINSTALL SALVAGED DIGITAL SCOREBOARDS. COORDINATE WITH ELECTRICAL AND NEW WORK DRAWINGS.
N8	INFILL WALL OPENING TO MATCH EXISTING ADJACENT CONSTRUCTION AND MAINTAIN AT LEAST 1HR FIRE RATING. WALL FINISH TO MATCH EXISTING ADJACENT.
N9	EXIST. SCOREBOARD TO BE RELOCATED, PROTECT.
N10	PROVIDE NEW FLOOR FINISH. REFER TO FINISH PLANS.
N11	PROVIDE NEW ALUMINUM THRESHOLD.
N14	NEW LIGHTING FIXTURES. REFER TO ELECTRICAL DRAWINGS.
N15	NEW MECHANICAL EQUIP. REFER TO MECHANICAL DRAWINGS.
N17	PROVIDE NEW DOOR SLAB, DOOR FRAME, AND DOOR HARDWARE. REFER TO DOOR SCHEDULE.
N18	PROVIDE NEW DOOR SLAB AND DOOR HARDWARE IN EXISTING FRAME. REFER TO DOOR SCHEDULE.
N19	PROVIDE NEW MULTI-SPORT CAGE.
N20	PROVIDE NEW MULTI-SPORT CAGE. (ALTERNATE 1 SCOPE)

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106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET

DATE: 02/23/26

SCALE: As indicated

SHEET NAME:
ENLARGED MAIN GYMNASIUM RCP

SHEET NUMBER:

A-111

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: Author
CHECKED BY: Checker
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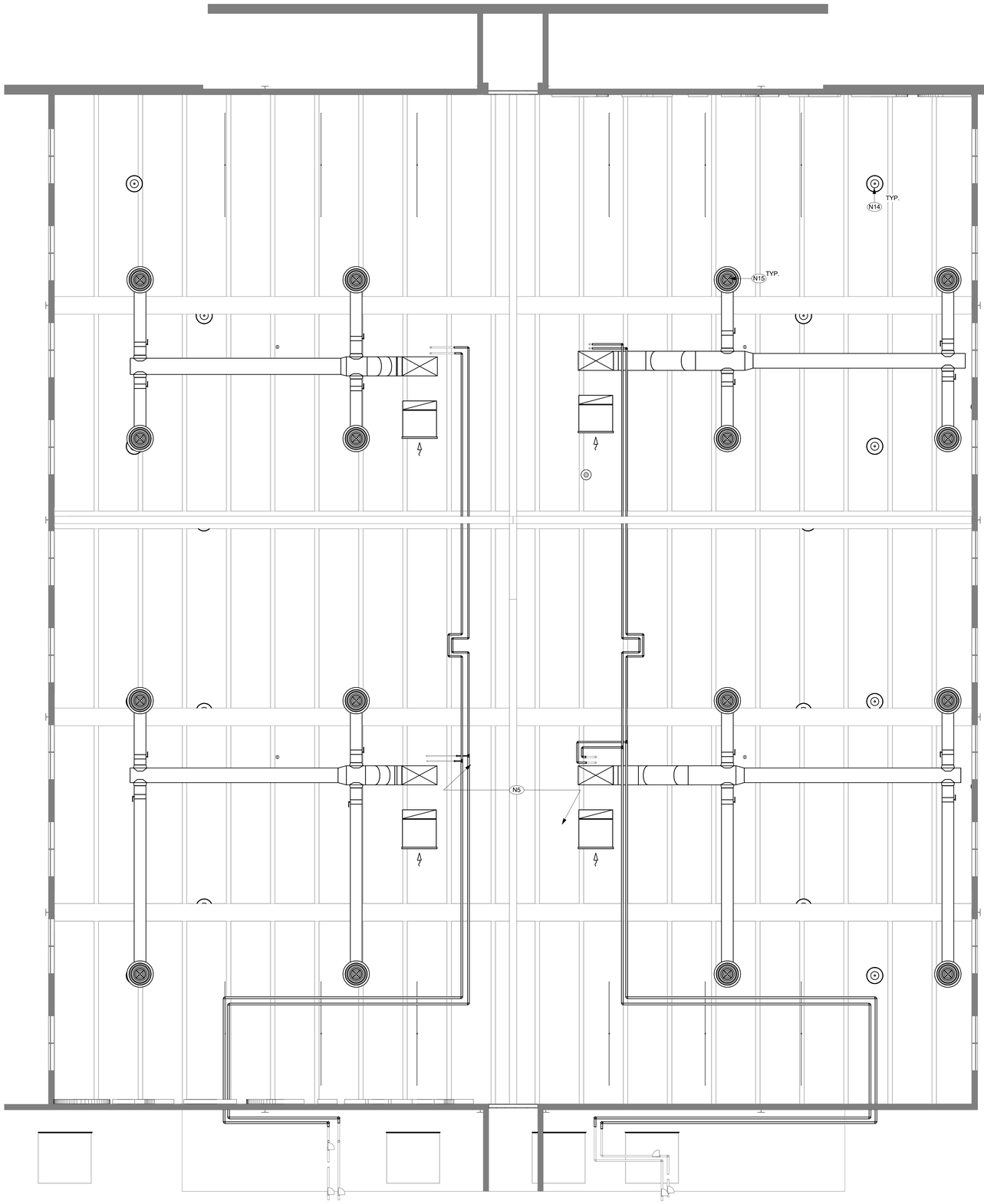

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ENALRGED ANNEX GYMNASIUM RCP

3/16" = 1'-0"

A1

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET

DATE: 02/23/26

SCALE: As indicated

SHEET NAME:
ENLARGED ANNEX GYMNASIUM RCP

SHEET NUMBER:

A-112

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: AJ/KH
CHECKED BY: AJ/KH
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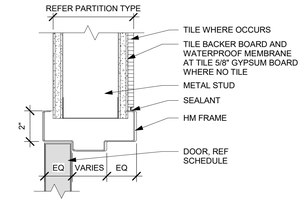
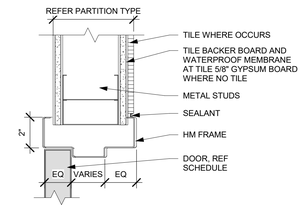
DOOR SCHEDULE

MARK	ROOM NAME	HARDWARE	DOOR						FRAME						FIRE RATING
			TYPE	SIZE		THICKNESS	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	DETAIL			
				WIDTH	HEIGHT							HEAD	JAMB	SILL	
11A	ANNEX GYMNASIUM	3	1	5'-0"	7'-0"	1 3/4"	WD	PAINT	B	HM	PAINT	J1	F1	D1	2HR
83A	MAIN GYMNASIUM	5	1	3'-0"	7'-0"	1 3/4"	WD	PAINT	A	HM	PAINT	J1	F1	D1	
83B	MAIN GYMNASIUM	5	1	3'-0"	7'-0"	1 3/4"	WD	PAINT	A	HM	PAINT	J1	F1	D1	
101A	STORAGE	3	1	5'-0"	7'-0"	1 3/4"	WD	PAINT	B	HM	PAINT	J1	F1	D1	2HR
C102	ENTRY		1	3'-0"	7'-0"	1 3/4"	WD	EX	A	EX	PAINT	EX	EX	EX	



HM HEAD J1
3" = 1'-0"



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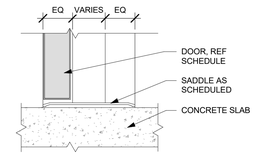

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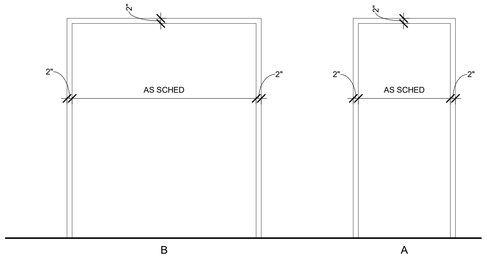
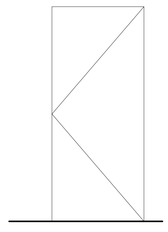


FRAME TYPES
N.T.S.



DOOR TYPES
N.T.S.

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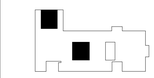
SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET
DATE: 02/23/26
SCALE: As indicated
SHEET NAME: DOOR SCHEDULES
SHEET NUMBER: A-601

PROGRESS SET - FOR REVIEW ONLY

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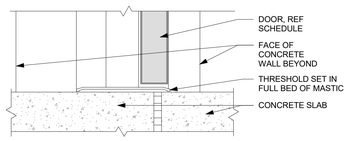
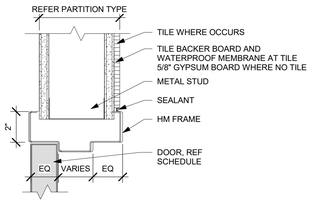


HM SILL AT CONCRETE L15
3" = 1'-0"



HM HEAD AT RATED WALL L12
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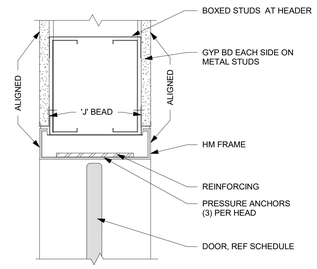
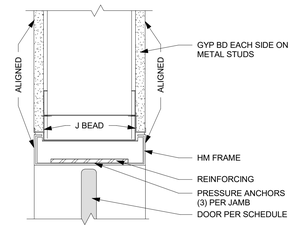


HM IMPACT DOOR HEAD DETAIL L8
3" = 1'-0"



HM IMPACT DOOR JAMB DETAIL L4
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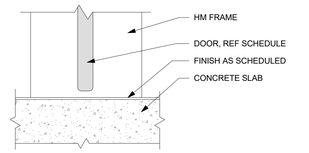
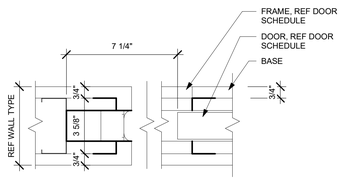
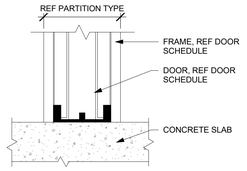


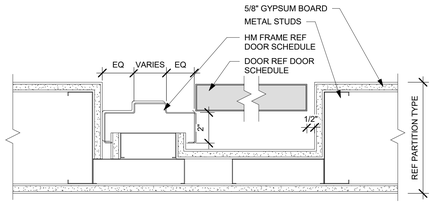
HM IMPACT DOOR SILL DETAIL L1
3" = 1'-0"



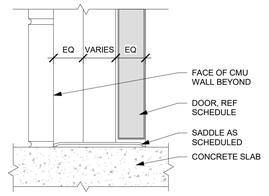
SLIDING POCKET DOOR JAMB H15
3" = 1'-0"



SLIDING POCKET DOOR SILL H12
3" = 1'-0"



HM JAMB POCKET DOOR H8
3" = 1'-0"



HM SILL AT CMU H3
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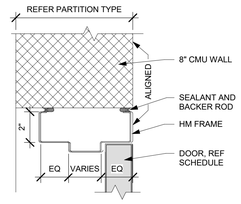

HM HEAD AT CMU H1
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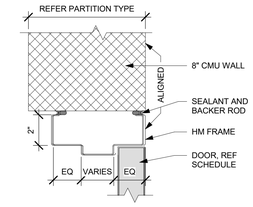

HM JAMB AT CMU D15
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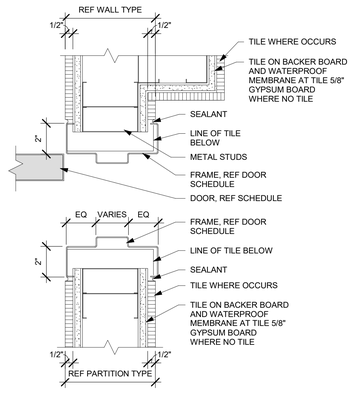
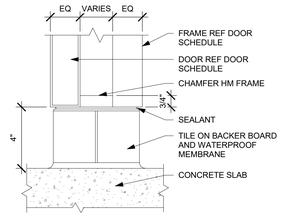
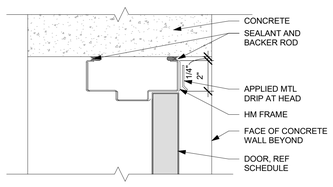


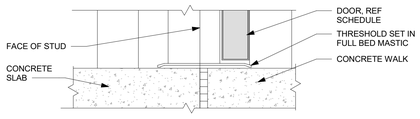
HM BR COMPARTMENT DOOR JAMB D5
3" = 1'-0"



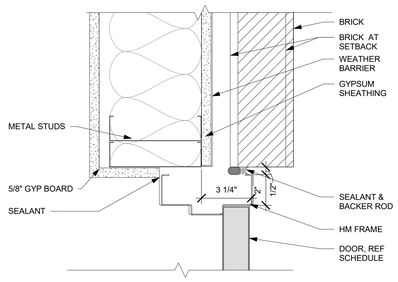
HM BATHROOM COMPARTMENT DOOR SILL D1
3" = 1'-0"



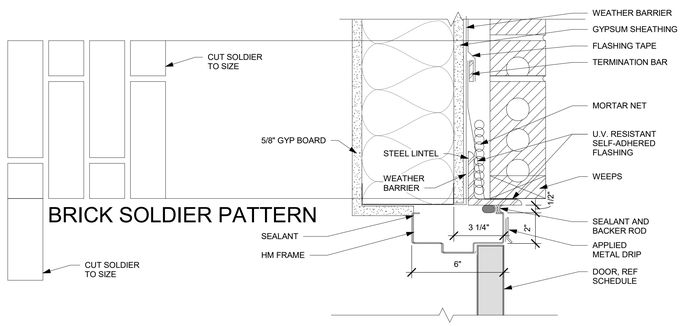
HM HEAD/JAMB AT CONCRETE A15
3" = 1'-0"



HM DOOR SILL AT BRICK A12
3" = 1'-0"



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



HM DOOR HEAD AT BRICK A1
3" = 1'-0"

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET
DATE: 02/23/26
SCALE: 3" = 1'-0"
SHEET NAME: DOOR DETAILS
SHEET NUMBER: A-611

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: AuPor
CHECKED BY: ArmQuirini
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2/23/2026 1:32:52 PM

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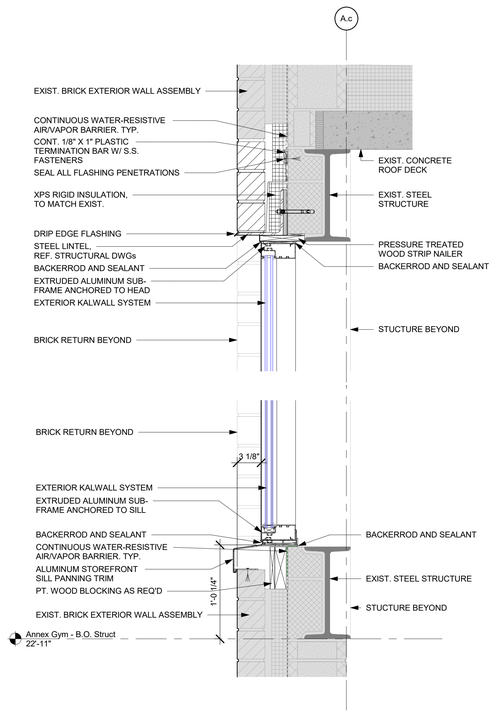
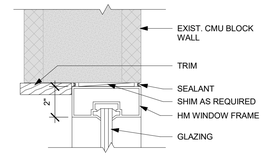


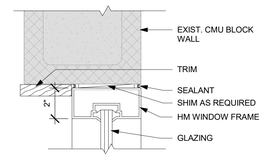
ANNEX GYM - KALWALL HEAD & SILL DETAIL G14

1 1/2" = 1'-0"



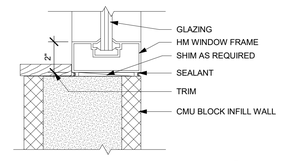
HM WINDOW HEAD L12

3" = 1'-0"



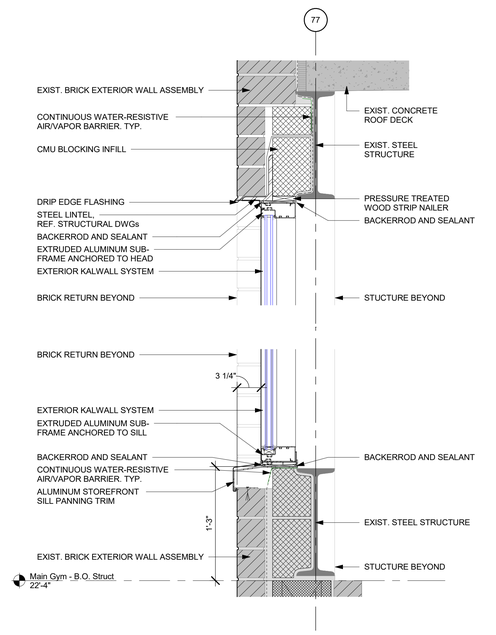
HM WINDOW JAMB J12

3" = 1'-0"



HM WINDOW SILL H12

3" = 1'-0"



MAIN GYM - KALWALL HEAD & SILL DETAIL A14

1 1/2" = 1'-0"

WINDOW GENERAL NOTES

1. ALL EXTERIOR ALUMINUM STOREFRONTS/ WINDOWS TO BE CLEAR ANODIZED ALUMINUM, 2" X 4 1/2" PROFILE WITH FRONT GLAZING U.O.N.
2. ALL EXTERIOR WINDOW DIMENSIONS ARE TO BRICK COURSING, THEREFORE THE CONTRACTOR SHALL ALLOW FOR PROPER R.O. DIMENSION TO STUD, CMU AND ANY OTHER NEW WALL OPENING CONDITIONS TO PROPERLY SET ALL SHIMS, ANCHORS AND BACKER RODS AND SEALANT.
3. BASIS OF DESIGN: KAWNEER TRIFAB 451T STOREFRONT SYSTEM.
4. IT IS THE DESIGN INTENT THAT THE EXTERIOR WINDOWS ARE SEALED COMPLETELY AROUND THE ENTIRE WINDOW WITH EXTERIOR SEALANT, SECONDARY BACKER, AND SEALANT ATTACHED TO THE AIR AND MOISTURE BARRIER.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETAIL IN THEIR RESPECTIVE SHOP DRAWINGS ALL THE NECESSARY ATTACHMENTS WHICH INCLUDES THE SEALANT AND ALL REQUIRED INFORMATION.

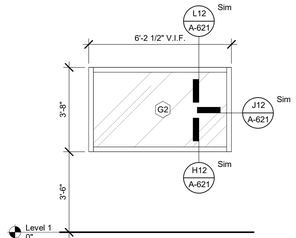
IT IS THE RESPONSIBILITY OF THE GC/ CONTRACTORS TO FIELD VERIFY ALL WINDOW OPENINGS PRIOR TO FABRICATION TO ENSURE THE R.O. ARE PROPERLY CREATED AND WILL HOUSE THE WINDOWS CORRECTLY AND ENSURE THAT THE WINDOWS HAVE OPTIMAL DESIGN PERFORMANCE WITHIN THE GIVEN WALL STRUCTURE.

GLAZING LEGEND

G1	EXTERIOR KALWALL SYSTEM / TRANSLUCENT INSULATED GLAZING PANEL
G2	CLEAR HIGH IMPACT SPORTS GLAZING

NOTE

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

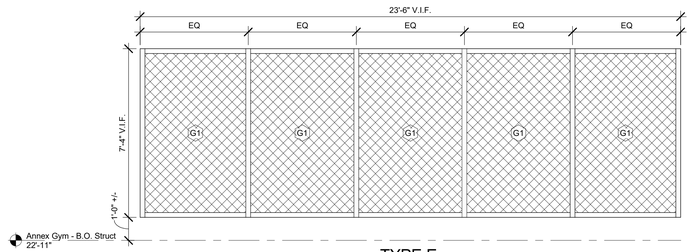


TYPE F

PAINTED PT-3
HM WINDOW
NOTE: GLAZING TO BE CATEGORY II, CPSC STANDARD 16 CFR 1201, ALL EDGES POLISHED

TYPE F - HM WINDOW G1

3/8" = 1'-0"

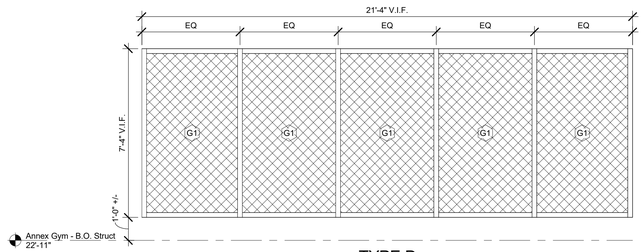


TYPE E

CLEAR ANODIZED ALUMINUM WINDOW

TYPE E - KALWALL D6

3/8" = 1'-0"

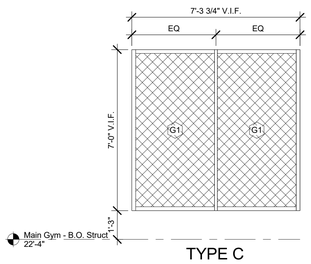


TYPE D

CLEAR ANODIZED ALUMINUM WINDOW

TYPE D - KALWALL D1

3/8" = 1'-0"

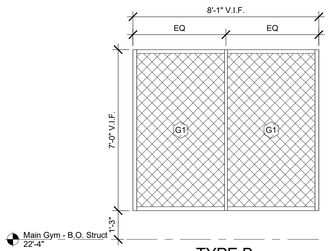


TYPE C

CLEAR ANODIZED ALUMINUM WINDOW

TYPE C - KALWALL A8

3/8" = 1'-0"

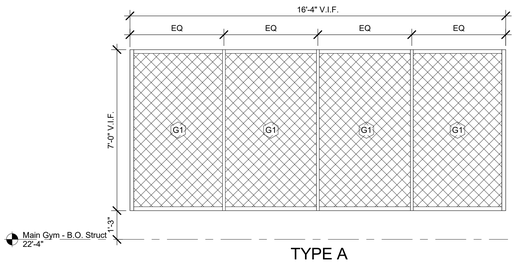


TYPE B

CLEAR ANODIZED ALUMINUM WINDOW

TYPE B - KALWALL A5

3/8" = 1'-0"



TYPE A

CLEAR ANODIZED ALUMINUM WINDOW

TYPE A - KALWALL A1

3/8" = 1'-0"

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET
DATE: 02/23/26
SCALE: As indicated
SHEET NAME: WINDOW / SF / CW ELEVATIONS
SHEET NUMBER: A-621

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: AJ/KH
CHECKED BY: AJ/KH
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2/23/2026 1:32:53 PM

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FINISH LEGEND

SYMBOL	MATERIAL TYPE	MANUFACTURER	PATTERN	COLOR	NOTES
ACT-1	ACCOUSTICAL CEILING TILE	ARMSTRONG	SERPENTINA - 815V916PT W/ ACOUSTICAL INFILL PANELS R062 PERFORATION	WHITE SATIN TRIM - WHITE SATIN	FITNESS GRID -
AP-1	ACOUSTIC WALL PANEL	TECTUM	DIRECT-ATTACH WALLS	SW 6871 POSITIVE RED	GYMNASIUM, SIZING VARIES, SEE DRAWINGS
PT-1A	PAINT	SHERWIN WILLIAMS	-	SW 7028 INCREDIBLE WHITE	FIELD PAINT - WALLS & ROOF STRUCTURE
PT-1B	PAINT	SHERWIN WILLIAMS	EPOXY	SW 7028 INCREDIBLE WHITE	---
PT-2	PAINT	SHERWIN WILLIAMS	-	SW 6871 POSITIVE RED	ACCENT PAINT
PT-3	PAINT	SHERWIN WILLIAMS	-	SW 7057 SILVER STRAND	ACCENT PAINT
SC-1	SEALED CONCRETE	SHERWIN WILLIAMS	H&C WATER BASED CONCRETE SEALER	WET LOOK	STORAGE ROOMS
RB-1	RUBBER WALL BASE	MANNINGTON	OPTIMUM EDGE 6"	904 BARK	OVERALL WALL BASE
WSF-1	WOOD SPORT FLOORING	ROBBINS	BIO-CUSHION CLASSIC	MAPLE, 2ND GRADE	GYMNASIUM
WF-1	KALWALL	3M	FASARA GLACE	WHITE	GYMNASIUM

ROOM FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
93	MAIN GYMNASIUM	WSF-1	RB-1	WP-1 7'-2" H / AP-1 / PT-1 / PT-2	PT-1, PT-3	SEE GYM STRIPING PLAN FOR FLOOR FINISH
87	STORAGE	SEALED EX CONC	EX	PT-1 EX CMU	EX	
92	STORAGE	SEALED EX CONC	EX	PT-1 EX CMU	EX	
81	STORAGE	SEALED EX CONC	EX	PT-1 EX CMU	EX	
76	STORAGE	SEALED EX CONC	EX	PT-1 EX CMU	EX	
75	ENTRY	EX	EX	PT-1 EX CMU	ACT-1	
82	ENTRY	EX	EX	PT-1 EX CMU	ACT-1	
93	ENTRY	EX	EX	PT-1 EX CMU	ACT-1	
85	ENTRY	EX	EX	PT-1 EX CMU	ACT-1	
10	ANNEX GYMNASIUM	WSF-1	RB-1	WP-1 7'-2" H / AP-1 / PT-1 / PT-2	PT-1, PT-3	SEE GYM STRIPING PLAN FOR FLOOR FINISH
11	STORAGE	SEALED EX CONC	EX	PT-1 EX CMU	EX	
12	STORAGE	SEALED EX CONC	EX	PT-1 EX CMU	EX	
101	STORAGE	SEALED EX CONC	EX	PT-1 EX CMU	EX	
103	STORAGE	SEALED EX CONC	EX	PT-1 EX CMU	EX	
11A	STORAGE	SEALED EX CONC	RB-1	PT-1 EX CMU	EX	

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET

DATE: 02/23/26

SCALE:

SHEET NAME:
INTERIOR FINISH SCHEDULES

SHEET NUMBER:

A-801

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CHECKED BY: ASQ
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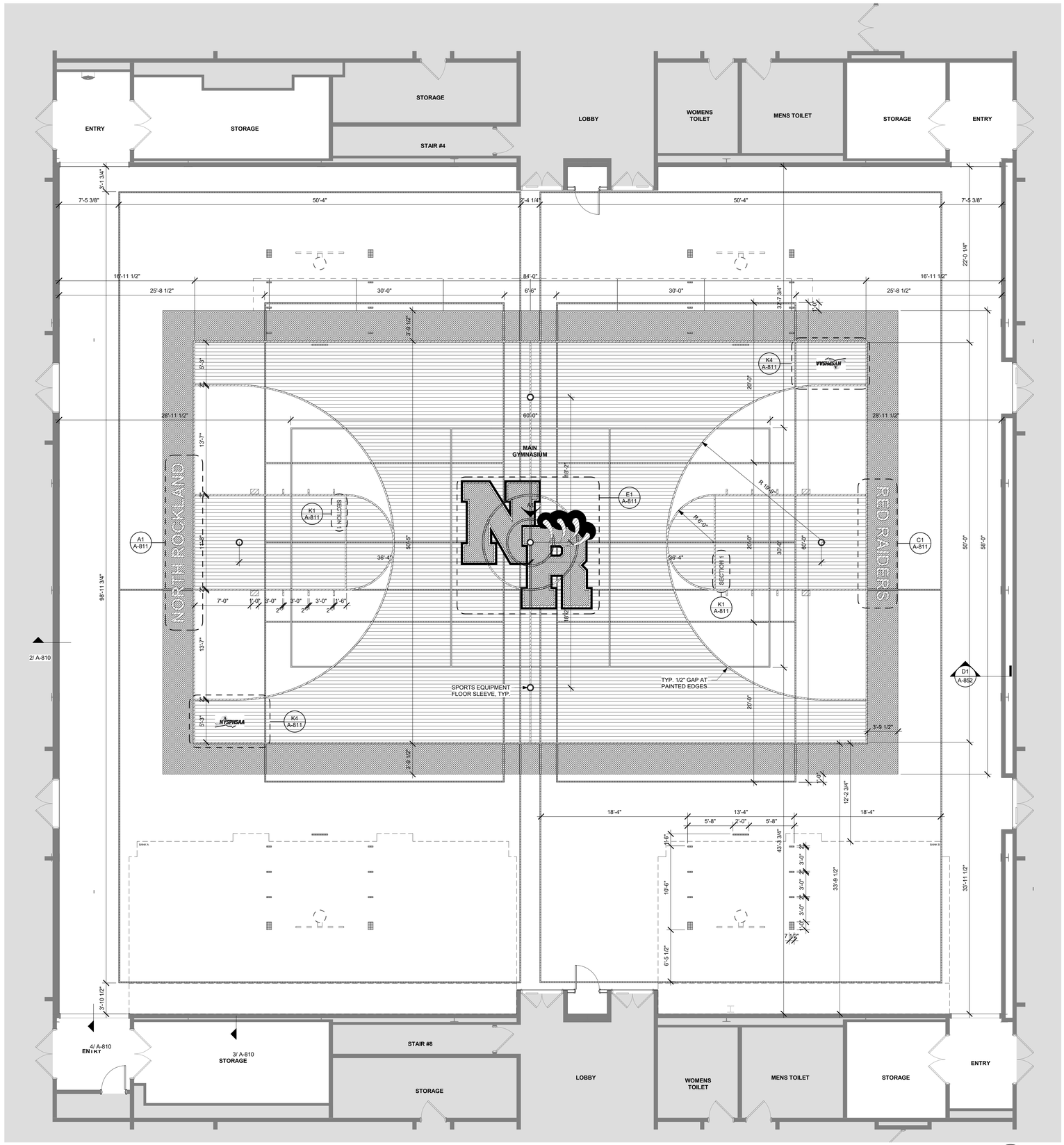
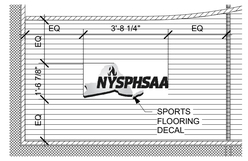


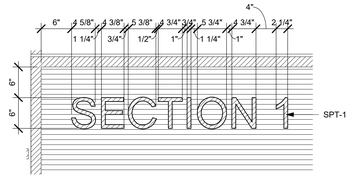
MAIN GYMNASIUM STRIPING PLAN A6
3/16" = 1'-0"

STRIPING LEGEND

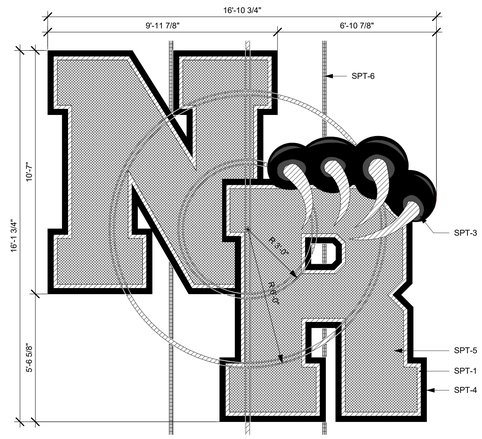
- S-1 - NAUTRAL CLEAR FINISH
- S-2 - WOOD STAIN DARK
- SPT-1 - STRIPING PAINT WHITE
- SPT-2 - STRIPING PAINT LIGHT GREY
- SPT-3 - STRIPING PAINT DARK GREY
- SPT-4 - STRIPING PAINT BLACK
- SPT-5 - STRIPING PAINT RED
- SPT-6 - STRIPING PAINT BROWN



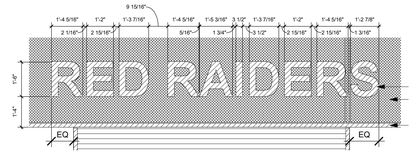
NYSPHSAA LOGO K4
3/8" = 1'-0"



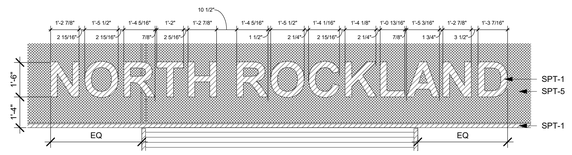
SECTION 1 LOGO K1
1" = 1'-0"



MAIN GYMNASIUM CENTER LOGO E1
3/8" = 1'-0"



MAIN GYMNASIUM RED RAIDERS LOGO C1
3/8" = 1'-0"



MAIN GYMNASIUM NORTH ROCKLAND LOGO A1
3/8" = 1'-0"

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET
DATE: 02/23/26
SCALE: As indicated
SHEET NAME: MAIN GYMNASIUM STRIPING PLAN
SHEET NUMBER: A-811

PROGRESS SET - FOR REVIEW ONLY

DRAWN BY: AJ/KH
CHECKED BY: AJ/KH
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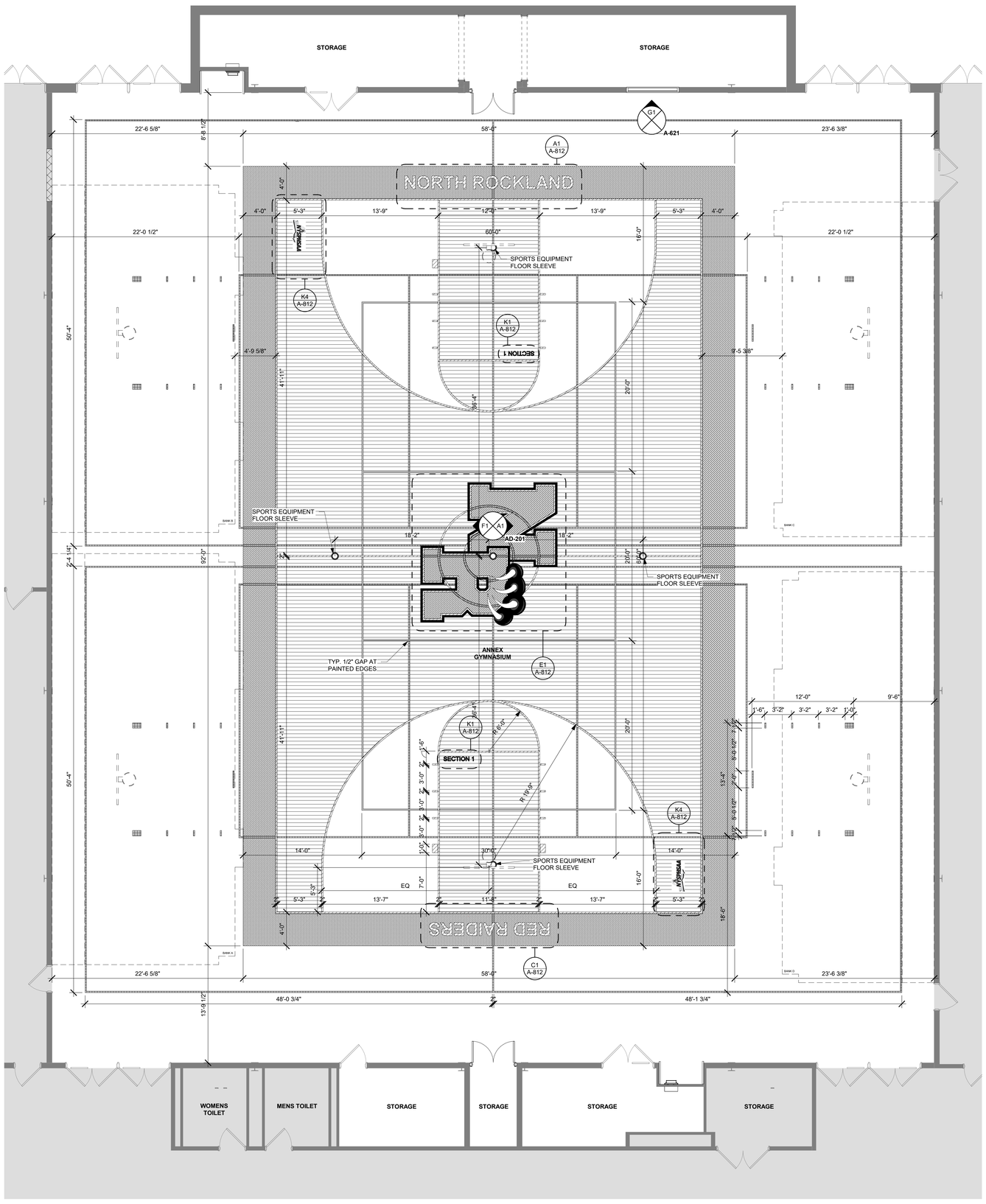
2/23/2026 1:32:57 PM

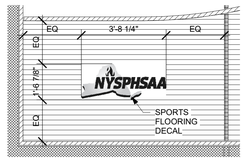
PROJECT NUMBER: 2535401.00 COPYRIGHT © 2025 KSQ ARCHITECTS, PC

STRIPING LEGEND

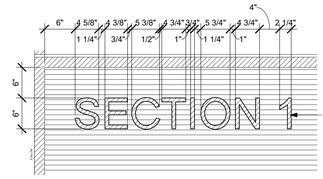
- S-1 - NAUTRAL CLEAR FINISH
- S-2 - WOOD STAIN DARK
- SPT-1 - STRIPING PAINT WHITE
- SPT-2 - STRIPING PAINT LIGHT GREY
- SPT-3 - STRIPING PAINT DARK GREY
- SPT-4 - STRIPING PAINT BLACK
- SPT-5 - STRIPING PAINT RED
- SPT-6 - STRIPING PAINT BROWN



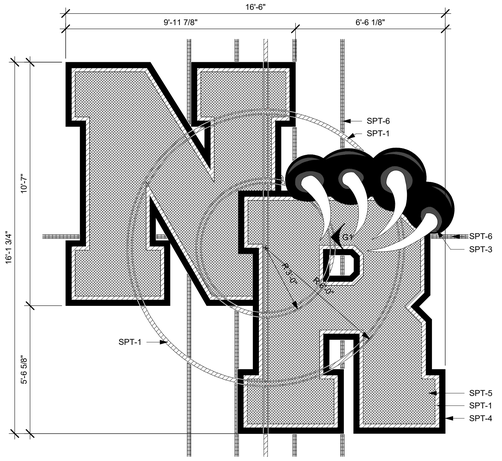
ANNEX GYMNASIUM PLAN A7
3/16" = 1'-0"



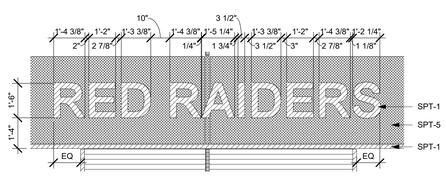
NYSPHSAA LOGO K4
3/8" = 1'-0"



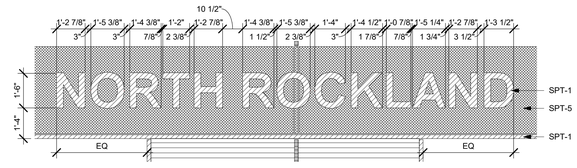
SECTION 1 LOGO K1
1" = 1'-0"



ANNEX GYMNASIUM CENTER LOGO E1
3/8" = 1'-0"



ANNEX GYMNASIUM RED RAIDERS LOGO C1
3/8" = 1'-0"



ANNEX GYMNASIUM NORTH ROCKLAND LOGO A1
3/8" = 1'-0"

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET
DATE: 02/23/26
SCALE: As indicated
SHEET NAME: ANNEX GYMNASIUM STRIPING PLAN
SHEET NUMBER: A-812

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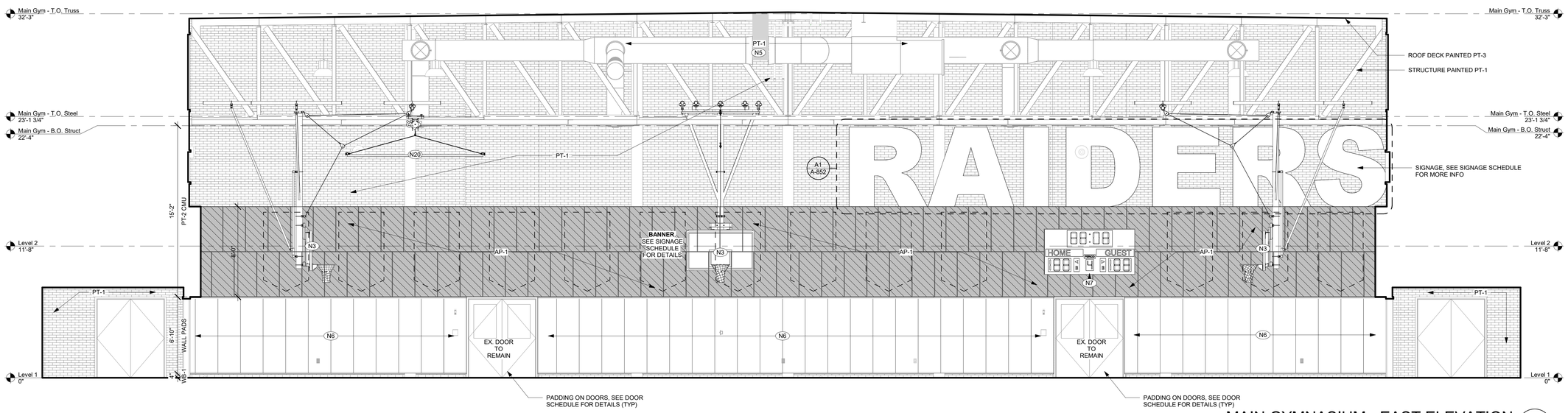
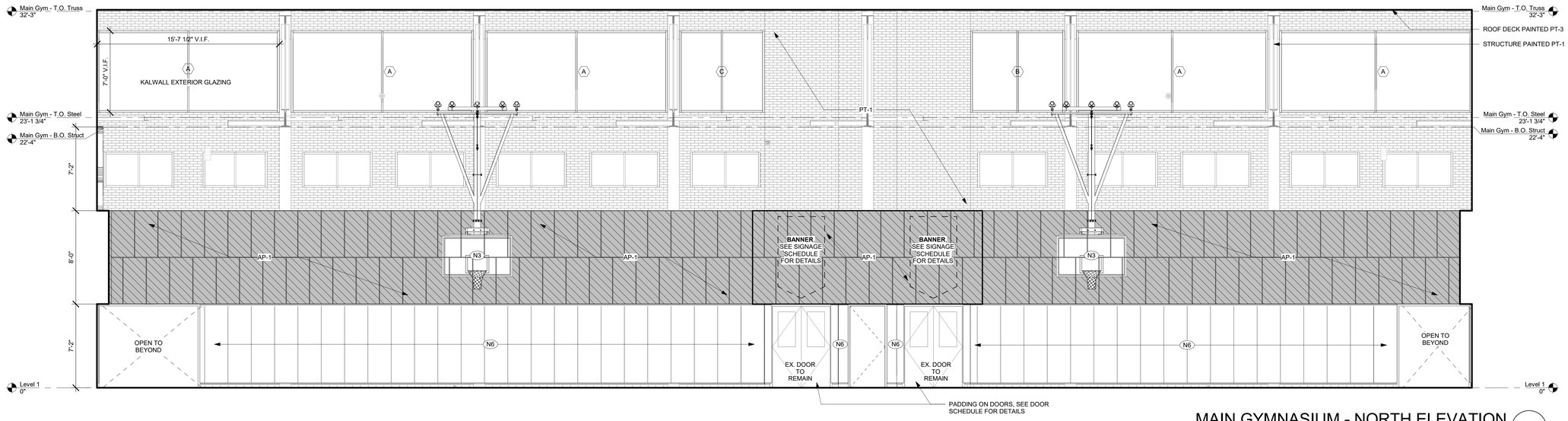


MAIN GYMNASIUM - EAST ELEVATION

1/4" = 1'-0" F1



MAIN GYMNASIUM - NORTH ELEVATION

1/4" = 1'-0" A1

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106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET

DATE: 02/23/26

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

SHEET NAME:
INTERIOR ELEVATIONS-MAIN GYM

SHEET NUMBER:
A-831

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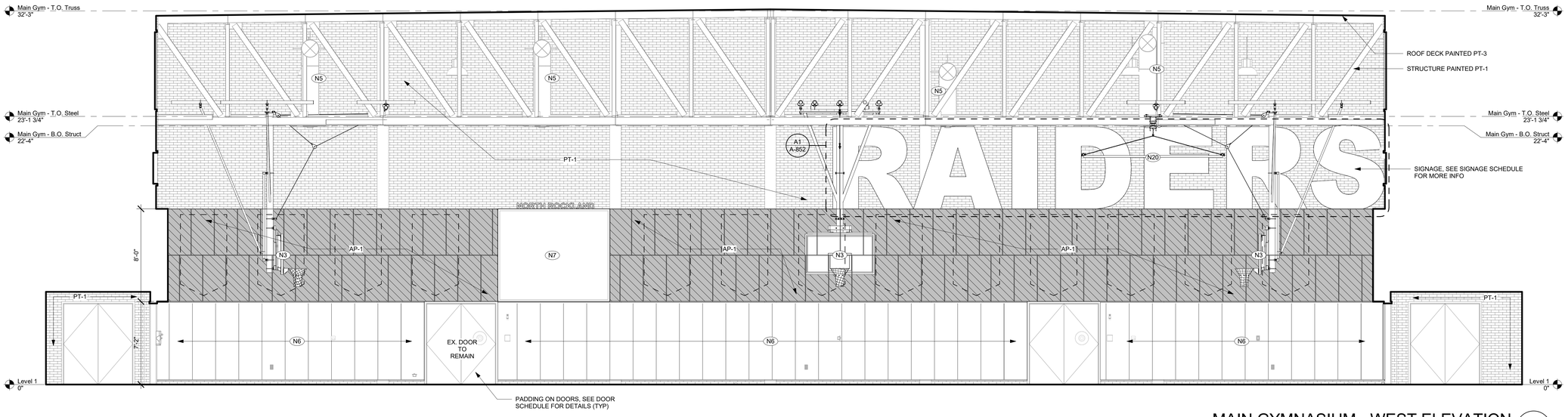
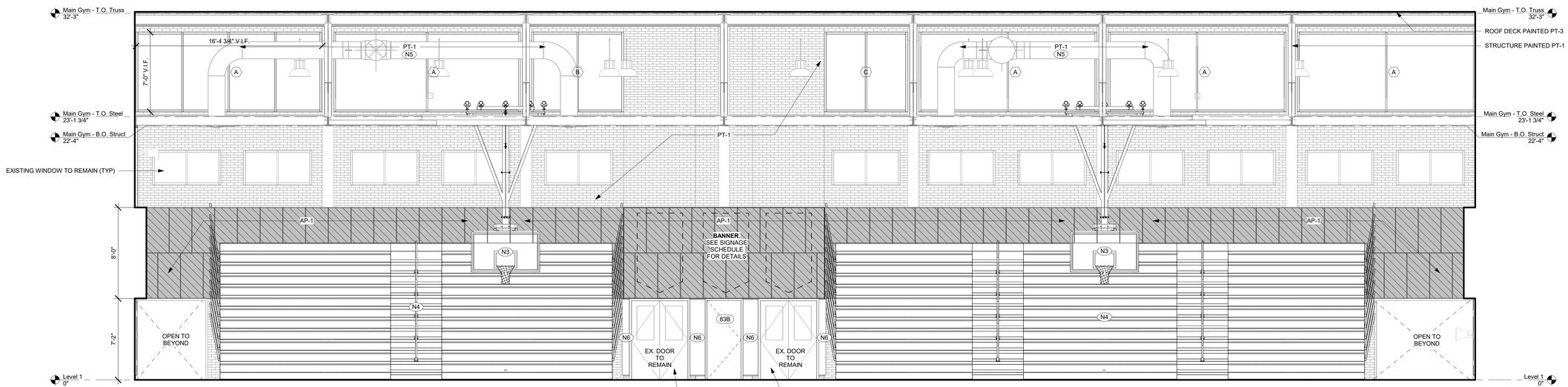


MAIN GYMNASIUM - WEST ELEVATION

1/4" = 1'-0" F1



MAIN GYMNASIUM - SOUTH ELEVATION

1/4" = 1'-0" A1

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET

DATE: 02/23/26

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

SHEET NAME:
INTERIOR ELEVATIONS - MAIN GYM

SHEET NUMBER:

A-832

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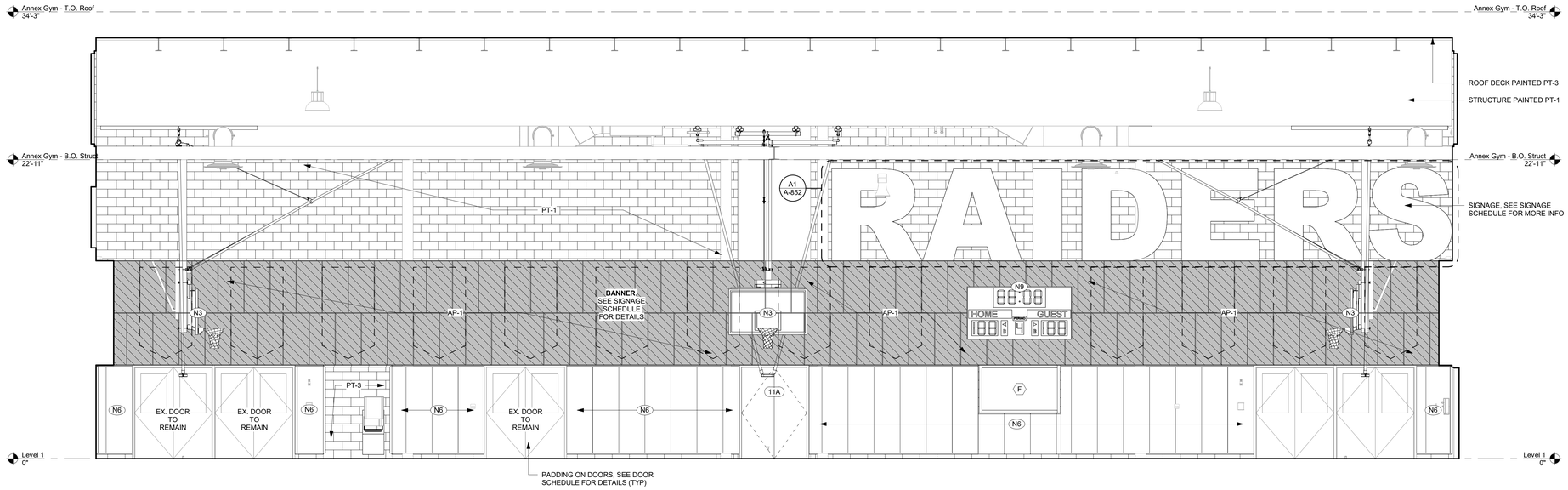
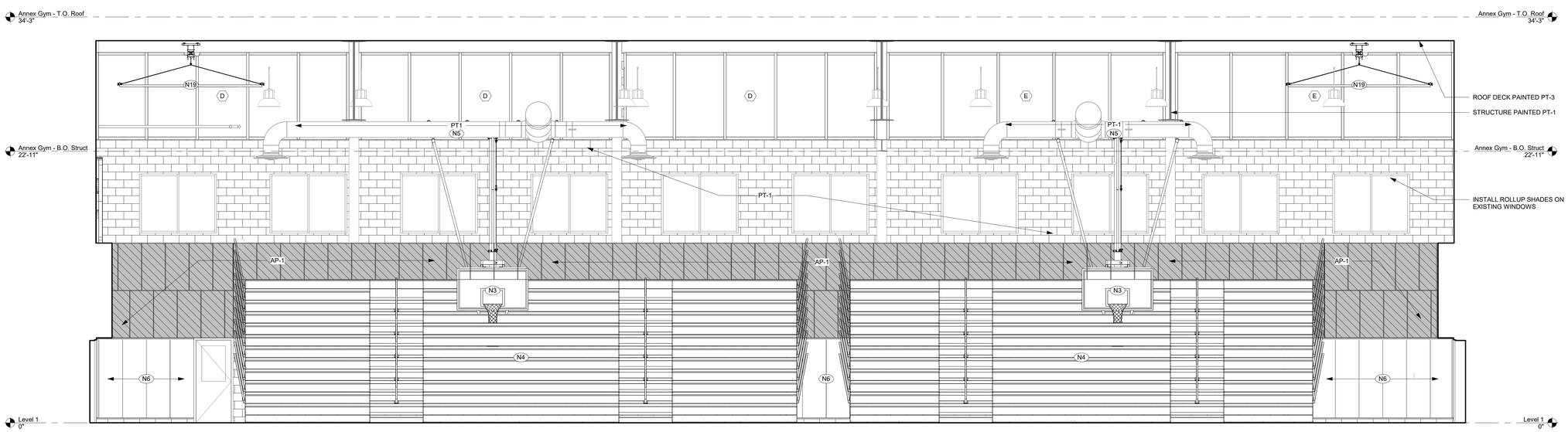


ANNEX GYMNASIUM - NORTH ELEVATION G1
1/4" = 1'-0"



ANNEX GYMNASIUM - EAST ELEVATION A1
1/4" = 1'-0"

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET

DATE: 02/23/26

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

SHEET NAME:
INTERIOR ELEVATIONS - ANNEX GYM

SHEET NUMBER:

A-833

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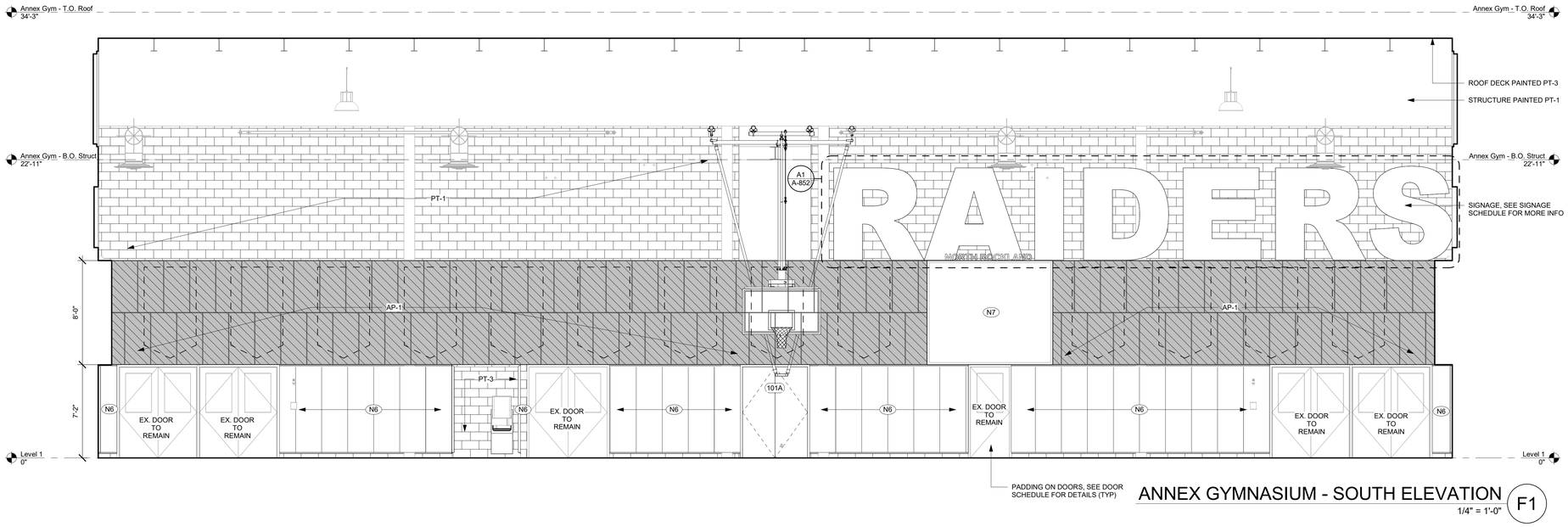
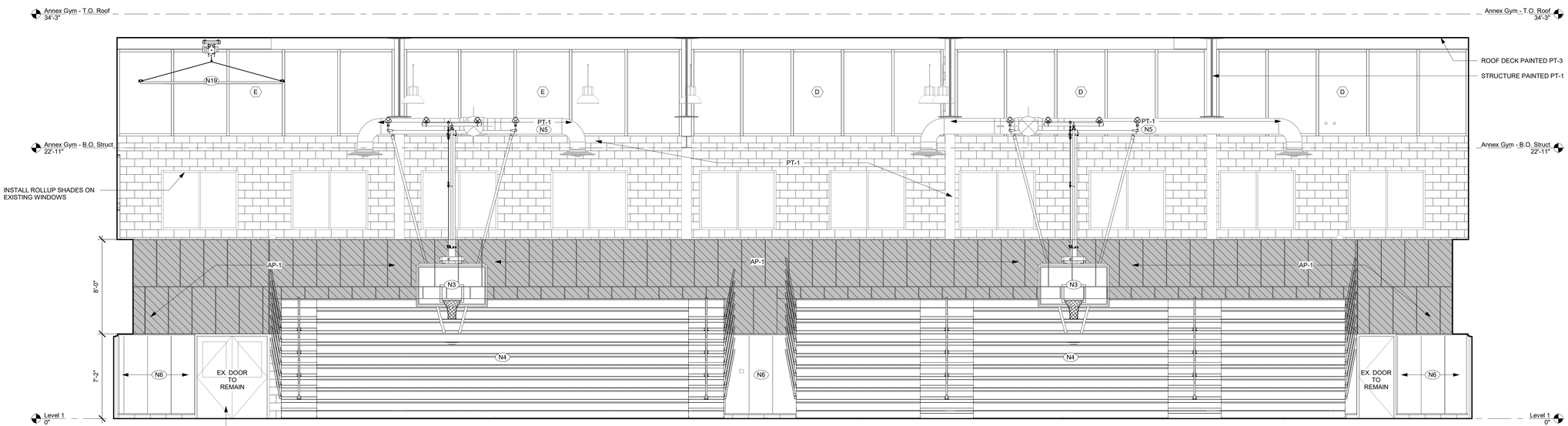


ANNEX GYMNASIUM - SOUTH ELEVATION

1/4" = 1'-0" F1



ANNEX GYMNASIUM - WEST ELEVATION

1/4" = 1'-0" A1

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106 Hammond Rd,
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SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET

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

SHEET NAME:
INTERIOR ELEVATIONS - ANNEX GYM

SHEET NUMBER:

A-834

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SIGNAGE SCHEDULE				
Number	Name	TYPE/ DETAIL	QUANTITY	Comments
83	MAIN GYMNASIUM	A1 / A5 / A10 / D5/D1	5	SEE GYM STRIPING PLAN FOR FLOOR FINISH
87	STORAGE	A1	1	
92	STORAGE	A1	1	
81	STORAGE	A1	1	
76	STORAGE	A1	1	
75	ENTRY	A1 / D1 / A10	3	
82	ENTRY	A1 / D1 / A10	3	
93	ENTRY	A1 / D1 / A10	3	
85	ENTRY	A1 / D1 / A10	3	
10	ANNEX GYMNASIUM	A1 / A5 / A10 / D5/D1	5	SEE GYM STRIPING PLAN FOR FLOOR FINISH
11	STORAGE	A1	1	
12	STORAGE	A1	1	
101	STORAGE	A1	1	
103	STORAGE	A1	1	
11A	STORAGE	A1	1	

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

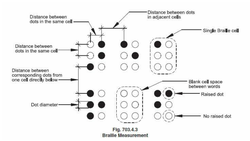
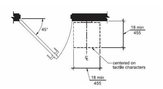
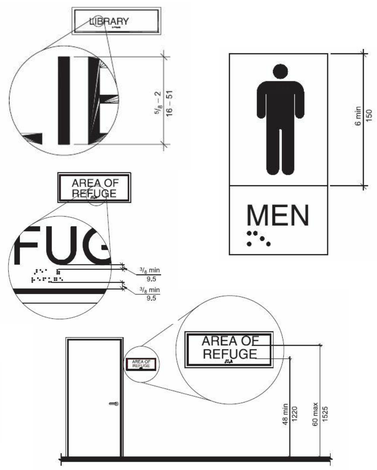


Fig. 703.4.3
Braille Measurement



SIGN LOCATION @ DOOR



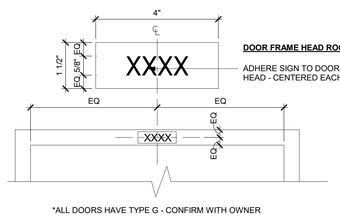
SIGN LOCATION AND REQUIREMENTS
N.T.S. G1

INTERNATIONAL SYMBOL OF ACCESSIBILITY

INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS

VOLUME CONTROLLED TELEPHONE

INTERNATIONAL TTY SYMBOL

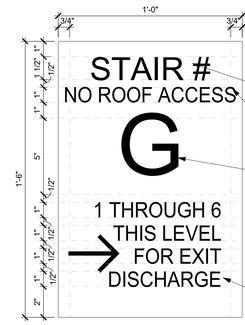


DOOR FRAME HEAD ROOM NUMBER*

ADHERE SIGN TO DOOR FRAME HEAD - CENTERED EACH DIRECTION

*ALL DOORS HAVE TYPE G - CONFIRM WITH OWNER

DOOR FRAME SIGN TYPE G
6" = 1'-0" D5



STAIR WELL (INTERIOR)
12"x 18"

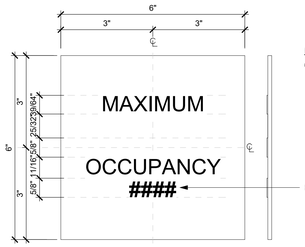
COORDINATE # TO MATCH PLANS

REFER SCHEDULE WHERE TO INDICATE ROOF ACCESS IS OR IS NOT AVAILABLE

LEVEL INDICATOR, 5" ALL CAPS, RAISED 1/32"
00 = B
01 = G
02 = 2nd
03 = 3rd
04 = 4th
05 = 5th
06 = 6th
07 = 7th
ROOF ACCESS = R

REFER SCHEDULE WHERE TO INDICATE EXIT DISCHARGE

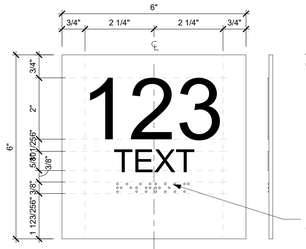
SIGN TYPE E
3" = 1'-0" D1



MAXIMUM OCCUPANCY SIGN
6"x 6"

REFER TO SCHEDULE FOR NUMBER

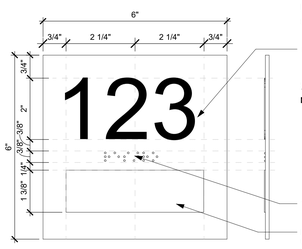
SIGN TYPE C
6" = 1'-0" A10



ROOM NAME, NUMBER, & BRAILLE SIGN
6"x 6"

1/16" RAISED (THE BRAILLE BEADS) GRADE II BRAILLE

SIGN TYPE B
6" = 1'-0" A5



RESIDENTIAL ROOM NUMBER SIGN
6" x 6"

TEXT, ALL CAPS, RAISED 1/32"

SYMBOLS:

MOBILITY FEATURES (MOB) **COMMUNICATION FEATURES (H.I.)**

1/16" RAISED (THE BRAILLE BEADS) GRADE II BRAILLE

PROVIDE MOBILITY OR COMMUNICATION SYMBOLS CENTERED IN SPACE PROVIDED. PROVIDE BOTH SYMBOLS WHERE INDICATED. REF TO LIFE SAFETY PLANS

SIGN TYPE A
6" = 1'-0" A1

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NORTH ROCKLAND HIGH SCHOOL - GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID ISSUANCE SET
DATE: 02/23/26
SCALE: As indicated
SHEET NAME: SIGNAGE SCHEDULE
SHEET NUMBER: A-851

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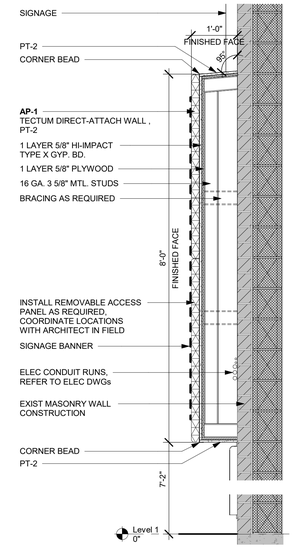
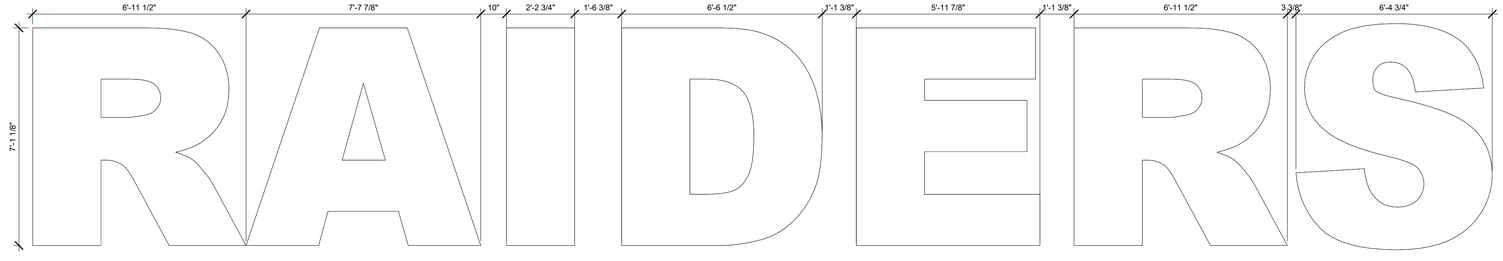


SOFFIT BAND SECTION DETAIL D1

3/4" = 1'-0"



RAIDERS SIGNAGE DETAIL A1

1/2" = 1'-0"

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Thiells, NY 10984

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SED# 50-02-01-06-0-016-040

KEY PLAN

REVISIONS

No.	Description	Date

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SHEET NAME:
SIGNAGE DETAILS

SHEET NUMBER:
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No.	Description	Date

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MAIN GYMNASIUM RENDERINGS

SHEET NUMBER:

A-900

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ANNEX GYMNASIUM RENDERINGS

SHEET NUMBER:

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ABBREVIATIONS LEGEND

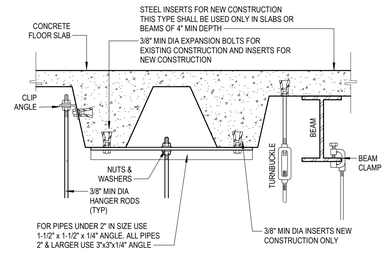
AC	AIR CONDITIONER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AH	AIR HANDLER
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
ATS	AIR TRANSFER SLEEVE
AVG	AVERAGE SPACE TEMPERATURE
BC	BLOWER COIL
BHP	BRAKE HORSEPOWER
BTM	BOTTOM
BTUH	BRITISH THERMAL UNITS/HOUR
BTU/H/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

SINGLE LINE SYMBOLS LEGEND

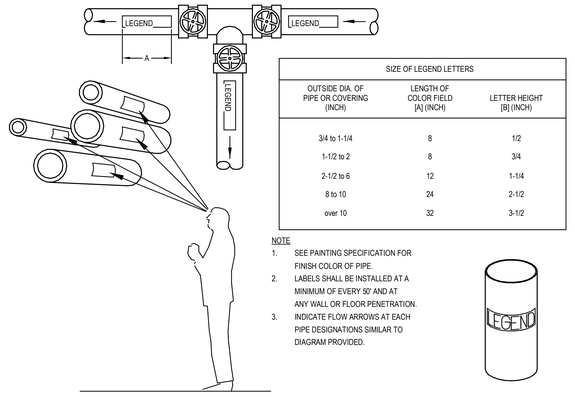
- HWS — HEATING WATER SUPPLY PIPING
- HWR — HEATING WATER RETURN PIPING
- CHWS — CHILLED WATER SUPPLY PIPING
- CHWR — CHILLED WATER RETURN PIPING
- COND — COOLING COIL CONDENSATE PIPING
- RL — REFRIGERANT LIQUID PIPING
- RS — REFRIGERANT SUCTION PIPING
- 90 DEGREE PIPE ELBOW DOWN
- PIPE RISER UP SYMBOL
- 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



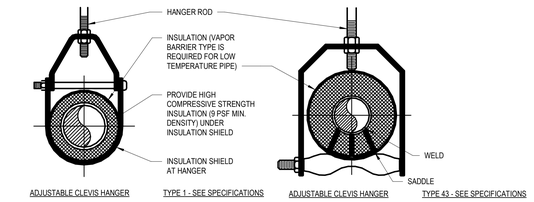
D15 SECURING HANGER RODS DETAIL
NOT TO SCALE

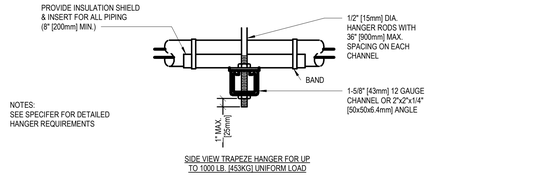


SIZE OF LEGEND LETTERS		
OUTSIDE DIA. OF PIPE OR COVERING (INCH)	LENGTH OF COLOR FIELD [A] (INCH)	LETTER HEIGHT [B] (INCH)
3/4 to 1-1/4	8	1/2
1-1/2 to 2	8	3/4
2-1/2 to 6	12	1-1/4
8 to 10	24	2-1/2
over 10	32	3-1/2

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.

D11 PIPING SYSTEM IDENTIFICATION
NOT TO SCALE





MAXIMUM PIPE/TUBING SUPPORT SPACING																				
NOM. SIZE	IN. [mm]	THRU 3/4 THRU [20]	1 [25]	1 1/4 [32]	1 1/2 [40]	2 [50]	2 1/2 [65]	3 [75]	4 [100]	5 [125]	6 [150]	8 [200]	10 [250]	12 [300]	14 [350]	16 [400]	18 [450]	20 [500]	24 [600]
PIPE	FT. [mm]	7 [2100]	7 [2100]	7 [2100]	9 [2700]	10 [3000]	11 [3400]	12 [3700]	14 [4100]	16 [4900]	17 [5200]	19 [5800]	22 [6700]	23 [7000]	25 [7600]	27 [8200]	28 [8500]	30 [9100]	32 [9600]
TUBING	FT. [mm]	5 FT [1500]	6 [1800]	7 [2100]	8 [2400]	8 [2400]	9 [2700]	10 [3000]	12 [3700]	13 [4000]	14 [4100]	16 [4900]	-	-	-	-	-	-	-
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.																				

D6 PIPE HANGERS
NOT TO SCALE

ELECTRIC UNIT HEATER SCHEDULE

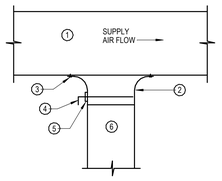
1. PROVIDE WITH UNIT MOUNTED INTERNAL THERMOSTAT.

Mark	LOCATION	CFM	FAN MOTORS RPM	VOLTS	PH	KW	AMPS	CAPACITY (MBH)	TEMPERATURE RISE	HORZ THROW (FEET)	BASIS OF DESIGN MANUFACTURER AND MODEL	REMARKS
EUH-1	STORAGE 12	650	1600	208	3	7.5	36	25.6	45.0 °F	18	Q MARK MUH078	1

DIFFUSER, REGISTER AND GRILLE SCHEDULE

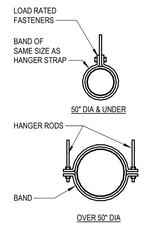
1. PROVIDE WITH ALUMINUM OPPOSED BLADE DAMPER
2. PROVIDE WITH SDB SQUARE STYLE PLENUM BOX

Mark	DESCRIPTION/PATTERN	OVERALL SIZE	DUCT CONNECTION	MOUNTING	MATERIAL	BASIS OF DESIGN MANUFACTURER AND MODEL	REMARKS
RR-1	HEAVY DUTY RETURN GYM GRILLE		72"x24"	WALL	STEEL	PRICE 90	
SD-5	ROUND CONE DIFFUSER, EXPOSED CEILING	36" ROUND	16" ROUND	EXPOSED CEILING	STEEL	PRICE RCDA	
SD-6	ROUND CONE DIFFUSER, EXPOSED CEILING	40.5" ROUND	18" ROUND	EXPOSED CEILING	STEEL	PRICE RCDA	
SD-7	ADJUSTABLE STEEL HEAVY DUTY GYM GRILLE, SINGLE DEFLECTION		72"x24"	WALL	STEEL	PRICE 910	



1. RECTANGULAR MAIN DUCT
2. BELL-MOUTH OR CONICAL DUCT FITTING
3. SHEETMETAL SCREW AND SEAL
4. VOLUME DAMPER
5. LOCKING QUADRANT
6. ROUND BRANCH DUCT

A11 ROUND TAP TO RECTANGULAR DUCT INSTALL DETAIL
NOT TO SCALE



HANGER STRAPS OR RODS			
MAX. DUCT DIA IN. [mm]	QUANTITY/SIZE IN. [mm]	MAX. LOAD LBS. [kg]	MAX. SPACING IN. [mm]
26 [650]	ONE 1 [25] x 22 GA STRAP	260 [119]	144 [3600]
36 [900]	ONE 1 [25] x 18 GA STRAP	420 [190]	144 [3600]
50 [1250]	ONE 1 [25] x 16 GA STRAP	700 [317]	144 [3600]
60 [1500]	TWO 3/8 [10]Ø. RODS	1320 [598]	144 [3600]
84 [2100]	TWO 1/2 [13]Ø RODS	2500 [1133]	144 [3600]

NOTE:
TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

A6 ROUND DUCT HANGERS
NOT TO SCALE

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STATE OF NEW YORK — MOHAN VENDITTI — 083994 — LICENSED PROFESSIONAL ENGINEER
REGISTRATION EXPIRES: 11/30/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/23/2026
SCALE: As indicated
SHEET NAME: DETAILS, LEGENDS, ABBREVIATIONS AND SCHEDULES
SHEET NUMBER: M-001

DRAWN BY: AJ/VV
CHECKED BY: MV/MV
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PROJECT NUMBER: 00000.00

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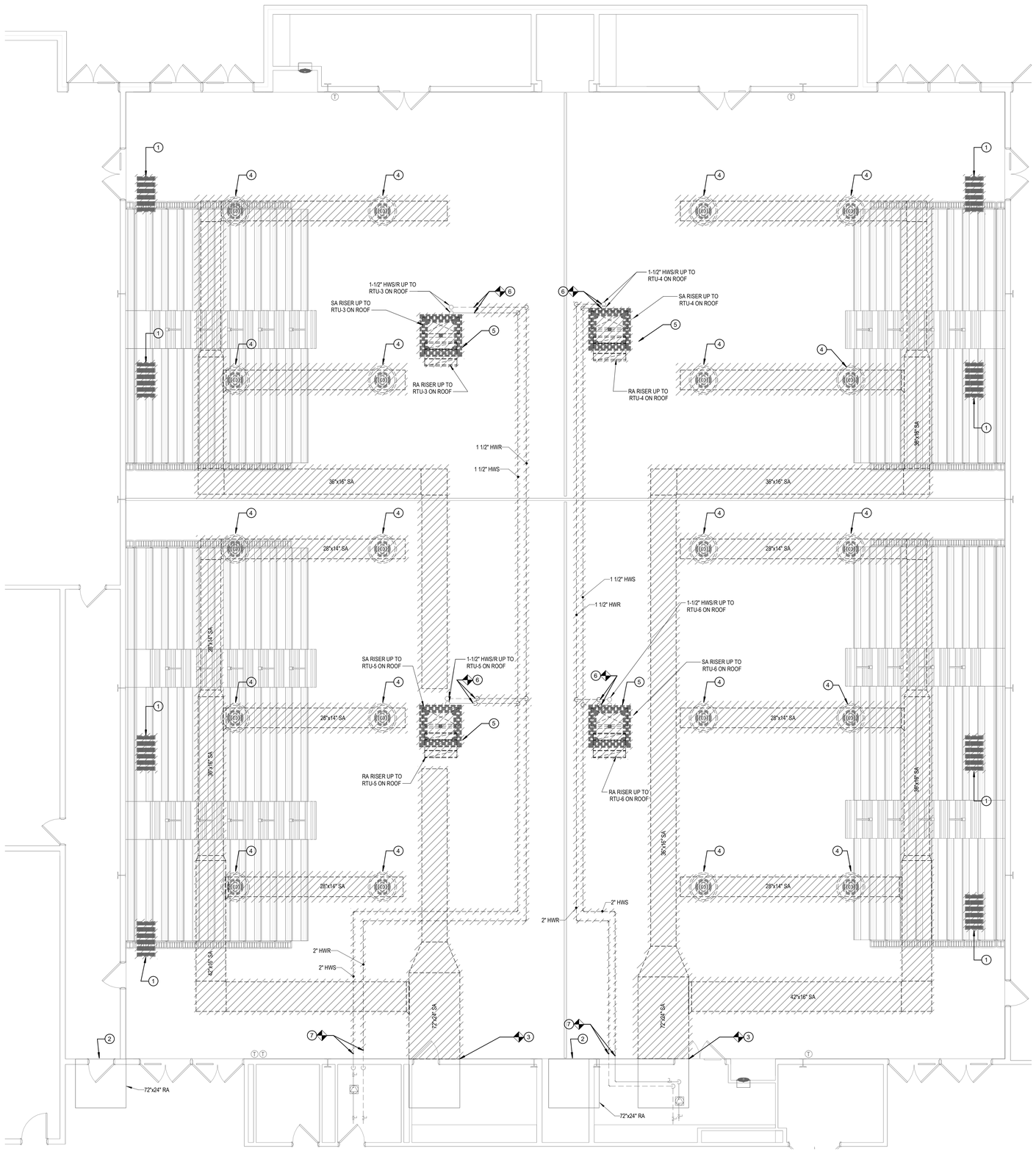

A18 ANNEX GYM REMOVALS

3/16" = 1'-0"

KEYED NOTES:

1. DISCONNECT AND REMOVE CEILING MOUNTED RETURN AIR REGISTERS OPEN TO CEILING PLENUM ABOVE CEILING SYSTEM.
2. DISCONNECT AND REMOVE OPEN-ENDED 72"x24" RA DUCTWORK BACK TO VERTICAL ANNEX GYMNASIUM WALL AND TERMINATE FLUSH WITH FACE OF WALL.
3. DISCONNECT AND REMOVE ANNEX GYM SUPPLY AIR DUCTWORK BACK TO DISCONNECTION POINT SHOWN FLUSH WITH FACE OF VERTICAL GYM WALL.
4. DISCONNECT AND REMOVE ROUND, CEILING MOUNTED SA DIFFUSER INCLUDING ASSOCIATED ROUND SA RISER BETWEEN INLET TO DIFFUSER AND BOTTOM OF SA DUCT MAIN TO BE REMOVED.
5. DISCONNECT AND REMOVE CEILING MOUNTED CONCENTRIC SA/RA DIFFUSERS INCLUDING ASSOCIATED SA AND RA RISERS UP TO ROOF PENETRATIONS. CAP SA AND RA RISERS JUST BELOW ROOF PENETRATIONS.
6. DISCONNECT AND REMOVE 1-1/2" HOT WATER SUPPLY AND RETURN PIPING AS SHOWN.
7. DISCONNECT AND REMOVE 2" HOT WATER SUPPLY AND RETURN PIPING AS SHOWN.

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NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

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

SHEET NAME:
ANNEX GYM HVAC REMOVALS

SHEET NUMBER:

MR-100

DRAWN BY: AuthorCHECKED BY: Checker
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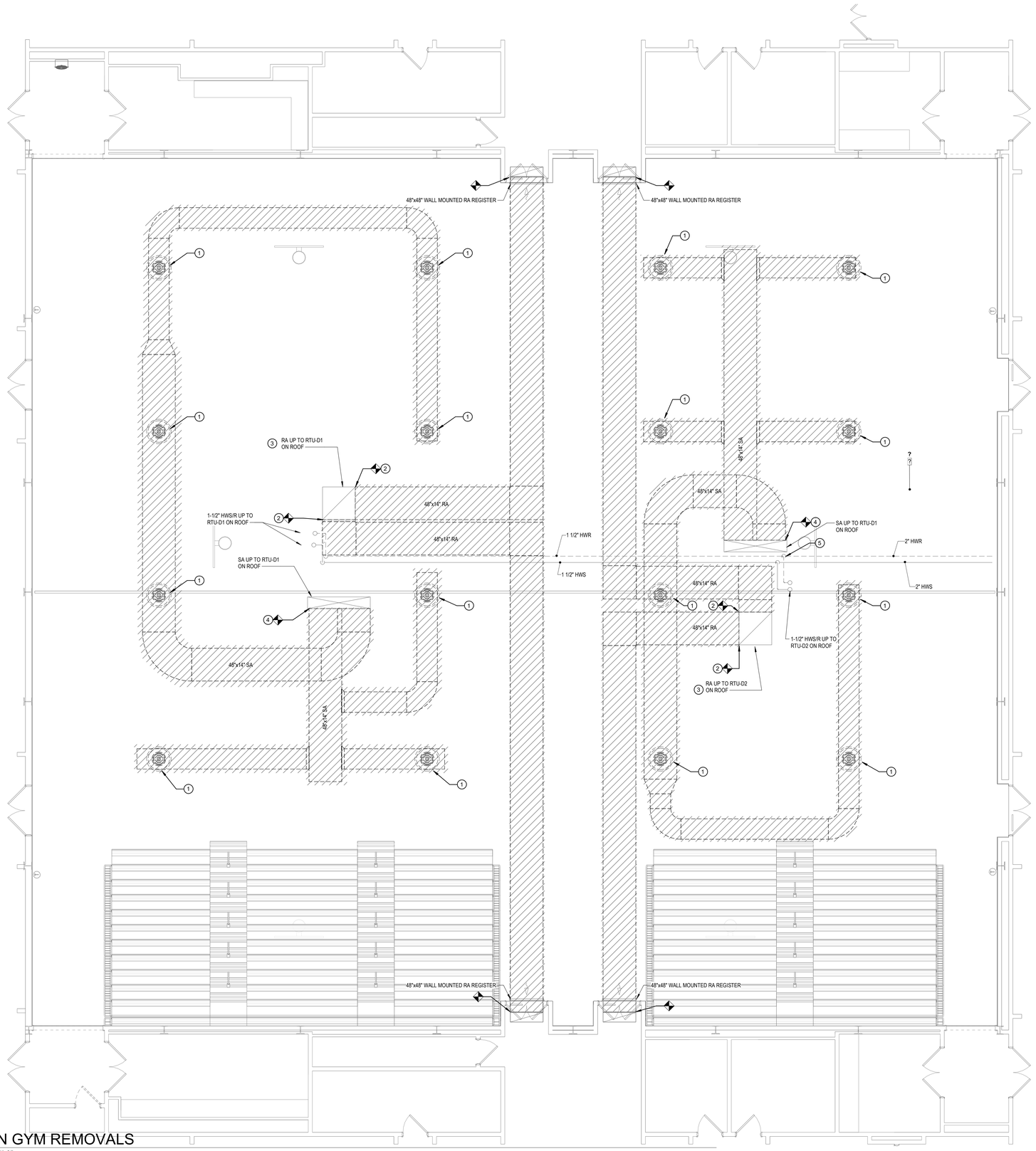

A18 MAIN GYM REMOVALS
3/16" = 1'-0"

KEYED NOTES:

1. DISCONNECT AND REMOVE ROUND, CEILING MOUNTED SA DIFFUSER INCLUDING ASSOCIATED ROUND SA RISER BETWEEN INLET TO DIFFUSER AND BOTTOM OF SA DUCT MAIN TO BE REMOVED.
2. DISCONNECT AND REMOVE HORIZONTAL RETURN AIR DUCTWORK BACK TO DISCONNECTION POINT SHOWN ON RETURN AIR RISER UP TO RTU AND CAP.
3. DISCONNECT AND REMOVE FLEXIBLE FIBERGLASS INSULATION WRAP ON RETURN AIR RISER BELOW ROOF PENETRATION.
4. DISCONNECT AND REMOVE SUPPLY AIR DUCTWORK TO DISCONNECTION POINTS SHOWN AT SA RISER UP TO RTU. REMOVE SA RISER TO JUST BELOW ROOF PENETRATION AND CAP, INCLUDING ASSOCIATED FLEXIBLE FIBERGLASS INSULATION WRAP.
5. DISCONNECT AND REMOVE PIPING INSULATION FROM ALL HWS/R PIPING ROUTED ABOVE REMOVED MAIN GYMNASIUM 83 CEILING SYSTEM. DISCONNECT AND REMOVE LEAKING 2" TEE ON THE HWR MAIN AT LOCATION SHOWN.

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REGISTRATION EXPIRES: 11/30/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

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

SHEET NAME:
MAIN GYM HVAC REMOVALS

SHEET NUMBER:

MR-101

DRAWN BY JHOnY
CHECKED BY Checker
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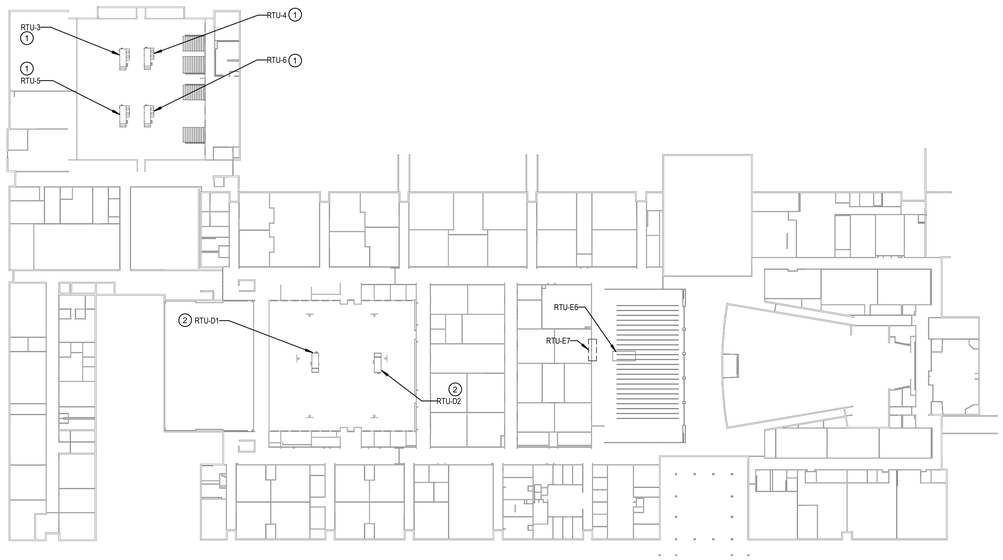
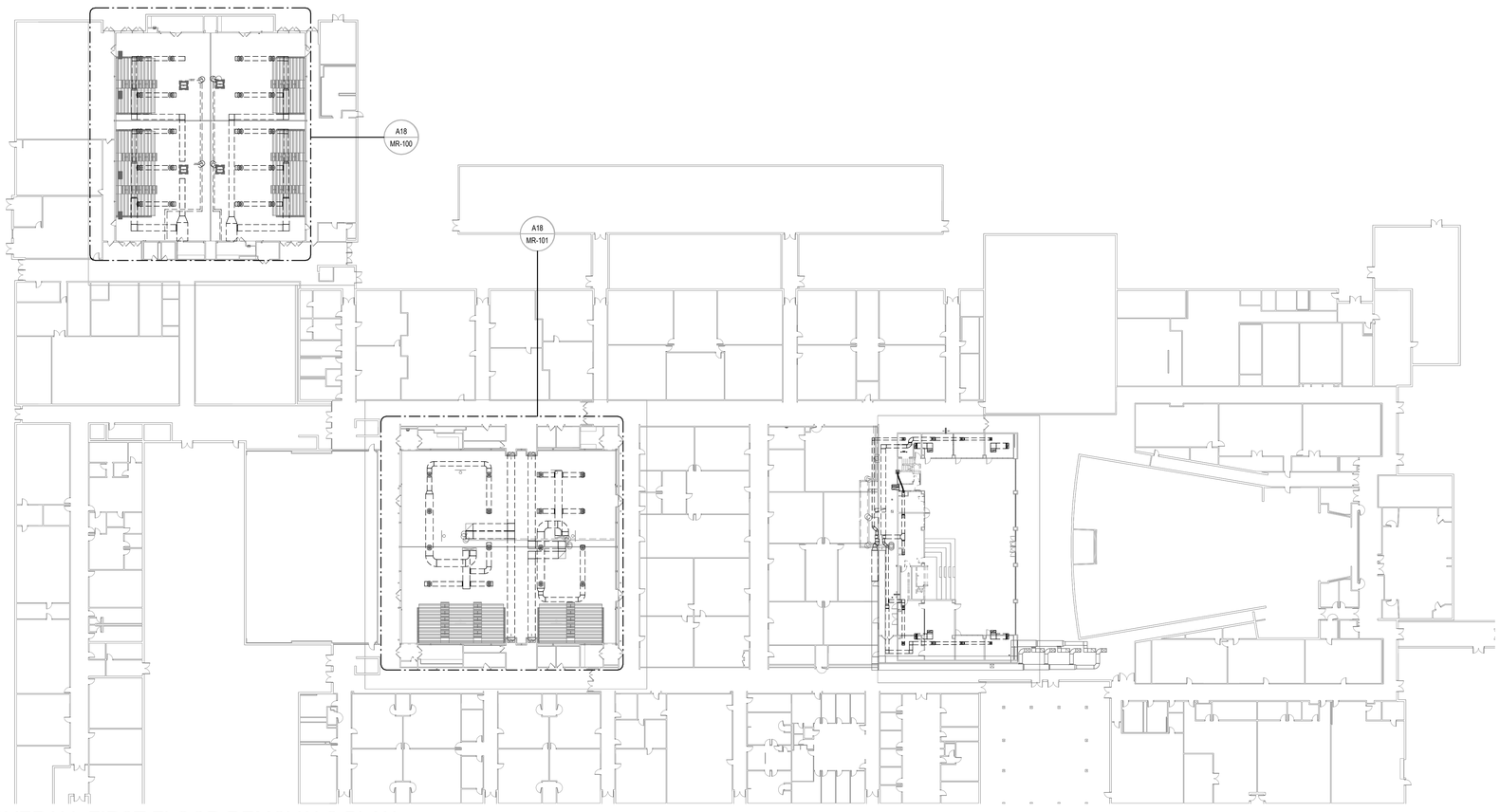


H15 EXISTING OVERALL ROOF PLAN FOR REFERENCE

1" = 50'-0"



A15 OVERALL FIRST FLOOR REMOVALS PLAN

1/32" = 1'-0"

KEYED NOTES:

1. REBALANCE EXISTING ROOFTOP UNITS' RTU-3, RTU-4, RTU-5 AND RTU-6 SUPPLY AND EXHAUST FANS TO 4,000 CFM SA/2,431 CFM EA/2,250 CFOM OA EACH FOLLOWING COMPLETION OF DUCTWORK RENOVATIONS IN ANNEX GYMNASIUM BELOW ROOFTOP UNITS. COORDINATE VFD SPEED SETTING OF SUPPLY AND EXHAUST FANS WITH DDC SYSTEM SOFTWARE AT THE BALANCED CONDITIONS.

2. REBALANCE EXISTING ROOFTOP UNITS' RTU-D1 AND RTU-D2 SUPPLY AND EXHAUST FANS TO 9,000 CFM SA/6,049 CFM EA/4,500 CFM OA EACH FOLLOWING COMPLETION OF DUCTWORK RENOVATIONS IN ANNEX GYMNASIUM BELOW ROOFTOP UNITS. COORDINATE VFD SPEED SETTING OF SUPPLY AND EXHAUST FANS WITH DDC SYSTEM SOFTWARE AT THE BALANCED CONDITIONS.

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NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

SCALE: As indicated

SHEET NAME:
OVERALL PLANS

SHEET NUMBER:
M-100

DRAWN BY: JV/DV
CHECKED BY: JV/DV
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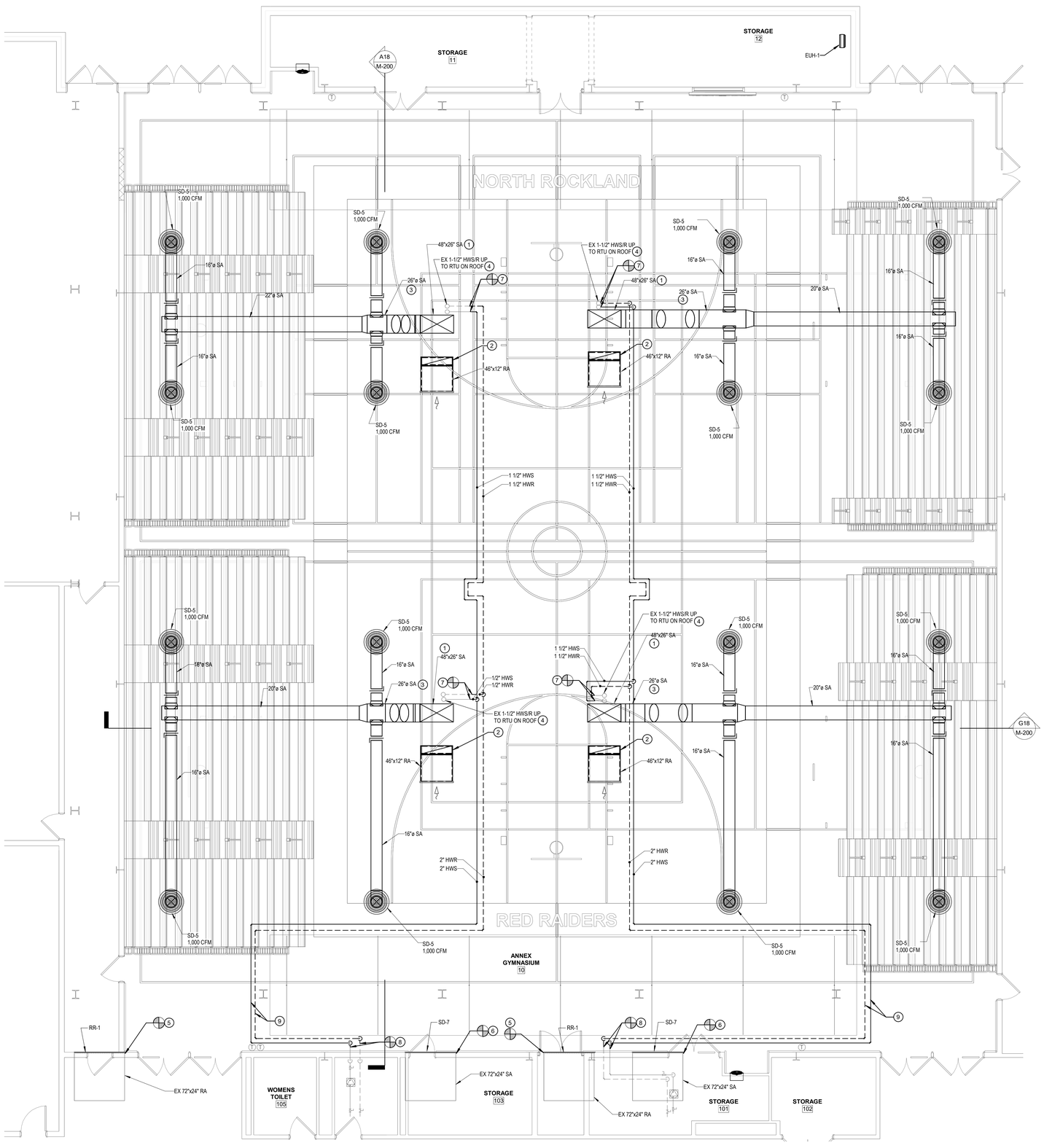

A18 ANNEX GYM HVAC PLAN

3/16" = 1'-0"

KEYED NOTES:

1. REMOVE SA CAP JUST BELOW ROOF PENETRATION AND PROVIDE 48"x26" VERTICAL SA RISER FROM ROOF PENETRATION AS SHOWN. EXTEND SA RISER APPROXIMATELY 7-FEET BELOW ROOF LEVEL AS REQUIRED FOR EXPOSED, ROUND, SPIRAL SA DUCTWORK ROUTING OFF OF THE VERTICAL, RECTANGULAR SA RISER.
2. REMOVE RA CAP JUST BELOW ROOF PENETRATION AND TRANSITION TO 1" THICK INTERNALLY LINED, 46"x12" RA RISER AT LOCATIONS SHOWN. PROVIDE 90-DEGREE ELBOW AND TERMINATE 46"x12" RA DUCTWORK OPEN-ENDED WITH 1/4" GALVANIZED WIRE MESH SCREEN. ROUTE HORIZONTAL RA DUCTWORK TIGHT TO ROOF DECK AS REQUIRED. DUCT SIZES SHOWN ARE OUTSIDE DIMENSIONS.
3. TRANSITION THE 26" ROUND SA DUCT MAIN DOWN AS REQUIRED SO THE 16" ROUND SA BRANCHES CONNECTED TO THE ROUND, CONE CEILING DIFFUSERS ARE APPROXIMATELY 25'-5" TO TOP OF DUCT. TIGHT TO UNDERSIDE OF EXISTING EASTWEST RUNNING ROOF FRAMING BEAMS. MOUNT BOTTOM OF SA DIFFUSERS APPROXIMATELY 22'-3" ABOVE GYM FLOOR.
4. PROVIDE PVC JACKETING OVER ALL EXISTING, STRAIGHT, EXPOSED HWS/R PIPING LINES ROUTED THROUGH ANNEX GYMNASIUM 10. THE EXISTING ELBOW FITTINGS ARE ALREADY COVERED WITH PVC JACKETS.
5. CONNECT TO EXISTING RA DUCT FLUSH WITH ANNEX GYMNASIUM VERTICAL WALL AT LOCATION SHOWN AND PROVIDE WALL MOUNTED RA REGISTER RR-1 SURFACE MOUNTED TO VERTICAL WALL.
6. CONNECT TO EXISTING SA DUCT FLUSH WITH ANNEX GYMNASIUM VERTICAL WALL AT LOCATION SHOWN AND PROVIDE WALL MOUNTED RA REGISTER SD-7 SURFACE MOUNTED TO VERTICAL WALL.
7. CONNECT 1-1/2" HOT WATER SUPPLY AND RETURN PIPING TO EXISTING 1-1/2" HOT WATER SUPPLY AND RETURN PIPING AS SHOWN.
8. CONNECT 2" HOT WATER SUPPLY AND RETURN PIPING TO EXISTING 2" HOT WATER SUPPLY AND RETURN PIPING AS SHOWN.
9. ROUTE PIPING MAINS TO AVOID BATTING CAGES AND BASKETBALL HOOP LIFT ASSEMBLIES.

KEYED NOTES:

1. EXPOSED DUCTWORK SHALL BE FURNISHED WITH PRIME PAINT FINISH. COORDINATE WITH GENERAL CONTRACTOR FOR PAINTING FINISH (REFER TO ARCHITECTURAL DRAWINGS).

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REGISTRATION EXPIRES: 11/30/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

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

SHEET NAME:
ANNEX GYM HVAC PLAN

SHEET NUMBER:
M-101

DRAWN BY: JV/DV
CHECKED BY: JV/DV
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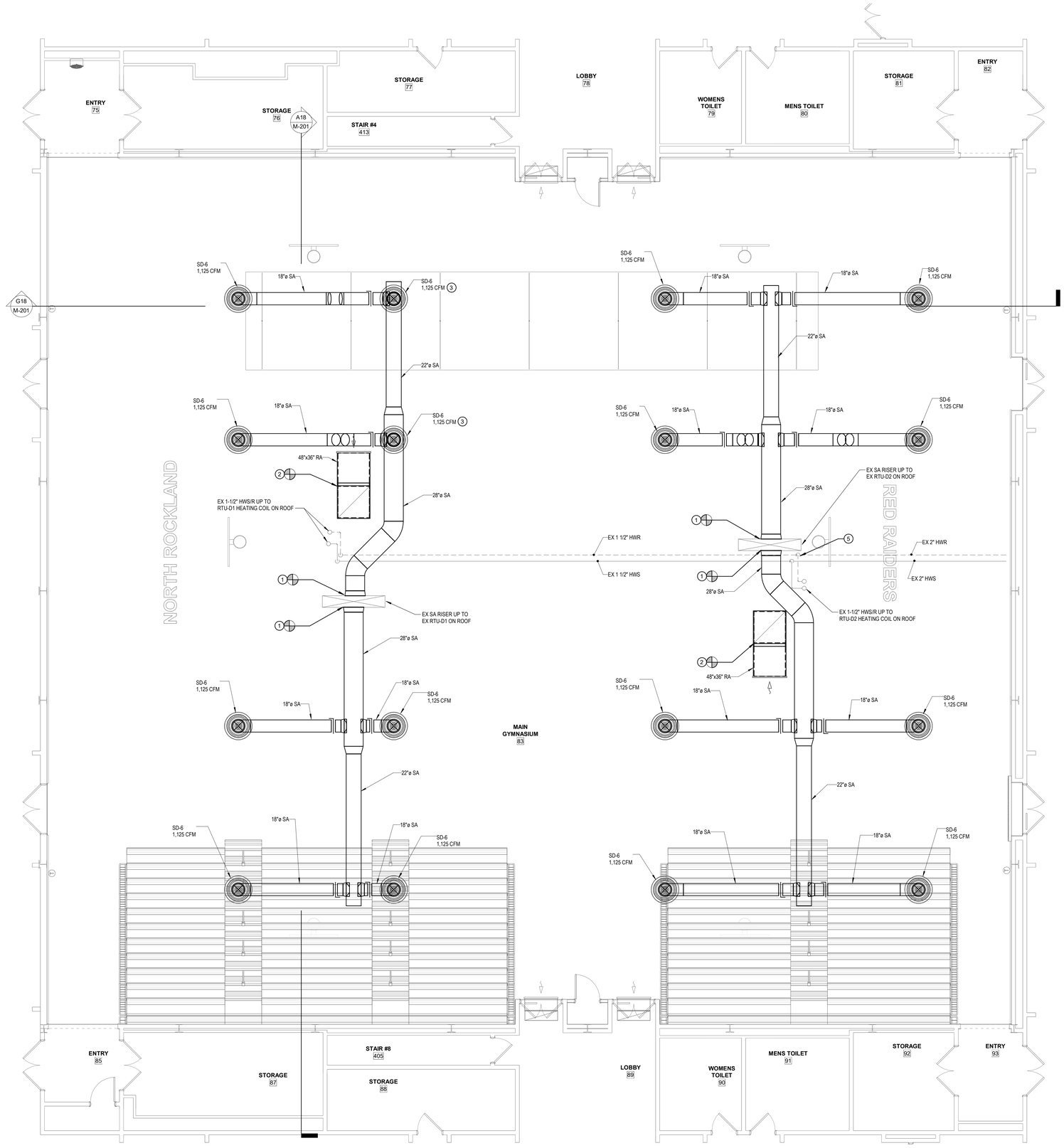

A18 MAIN GYM HVAC PLAN

3/16" = 1'-0"

KEYED NOTES:

1. CONNECT TO EXISTING RECTANGULAR SA RISER OUT OF EXISTING RTU SA OUTLET AT LOCATIONS SHOWN AND ROUTE EXPOSED, ROUND, SPIRAL SA DUCTWORK AS SHOWN.
2. CONNECT TO EXISTING, VERTICAL RA RISER CONNECTED TO EXISTING RTU INLET BELOW ROOF PENETRATION AND PROVIDE A 48"x36" MITER, TRANSITION ELBOW WITH TOP OF ELBOW TIGHT TO ROOF DECK. PROVIDE 1" THICK INTERNAL DUCT LINER ON ALL NEW RA DUCTWORK DOWNSTREAM OF ROOF PENETRATION. TERMINATE 48"x36" RA DUCTWORK OPEN-ENDED WITH 1/4" GALVANIZED WIRE MESH SCREEN. DUCT DIMENSIONS SHOWN ARE OUTSIDE DIMENSIONS.
3. PROVIDE 18" ROUND CONICAL SA TAPS OFF THE BOTTOM OF THE SPIRAL SA DUCT MAIN AND CONNECT TO ROUND CONE. EXPOSED SA DIFFUSERS AT LOCATIONS SHOWN. MOUNT BOTTOM OF ALL EXPOSED ROUND CONE SA DIFFUSERS APPROXIMATELY 22'-3" ABOVE GYM FLOOR.
4. PROVIDE PVC JACKETING OVER ALL EXISTING, STRAIGHT, EXPOSED HWS/R PIPING LINES ROUTED THROUGH ANNEX GYMNASIUM 10. THE EXISTING ELBOW FITTINGS ARE ALREADY COVERED WITH PVC JACKETS.
5. PROVIDE REPLACEMENT 2" TEE FITTING TO REPLACE THE LEAKING FITTING ON THE 2" HWR PIPING MAIN AT LOCATION SHOWN. PROVIDE 2" THICK GLASS FIBER PIPING INSULATION OVER ALL EXISTING HWS/R PIPING ROUTED WITHIN GYMNASIUM 83. PROVIDE PVC JACKETING OVER ALL INSULATED HORIZONTAL PIPING AND FITTINGS.

KEYED NOTES:

1. EXPOSED DUCTWORK SHALL BE FURNISHED WITH PRIME PAINT FINISH. COORDINATE WITH GENERAL CONTRACTOR FOR PAINTING FINISH (REFER TO ARCHITECTURAL DRAWINGS).

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REGISTRATION EXPIRES: 11/30/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

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

SHEET NAME:
MAIN GYM HVAC PLAN

SHEET NUMBER:

M-102

DRAWN BY: AJ Ooi
CHECKED BY: John Venditti
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2/18/2026 10:01:21 AM

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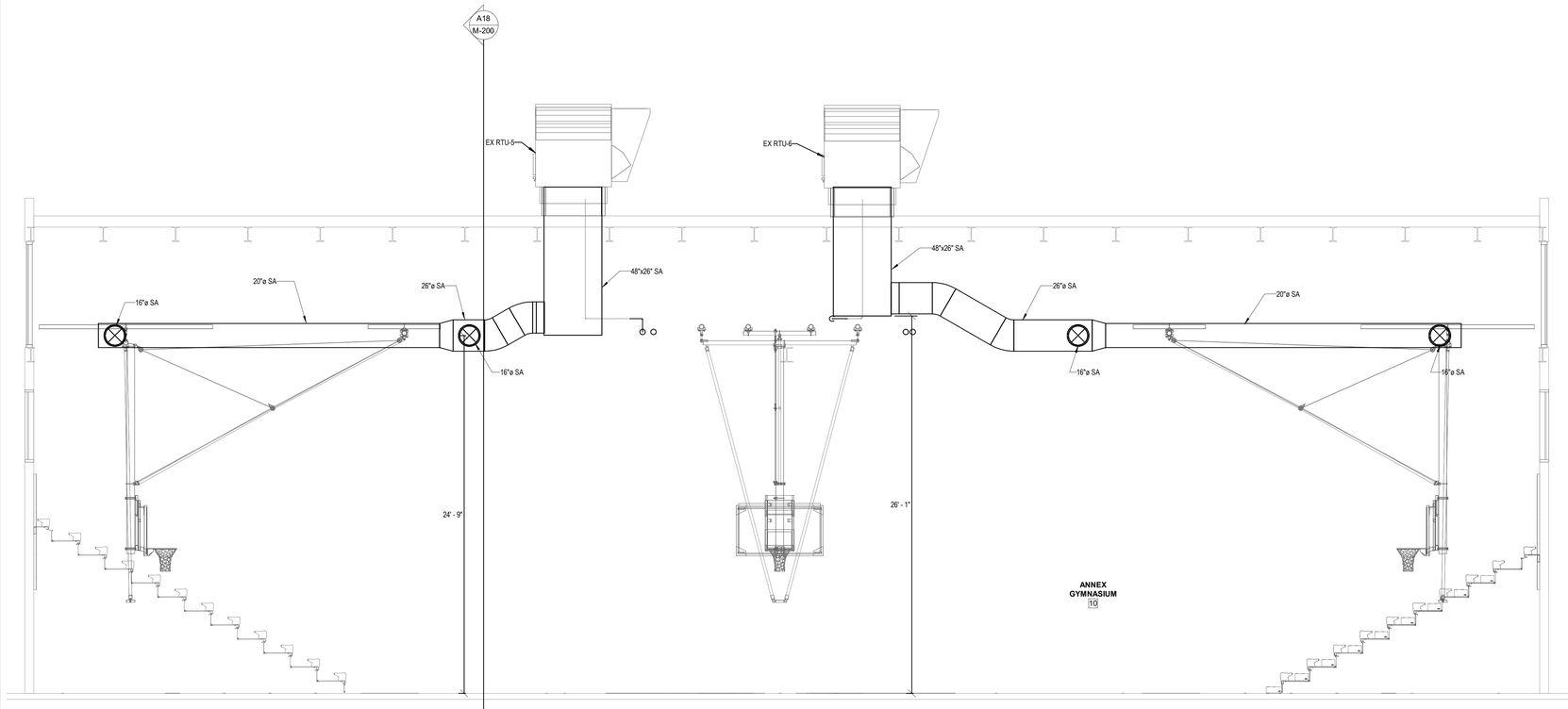
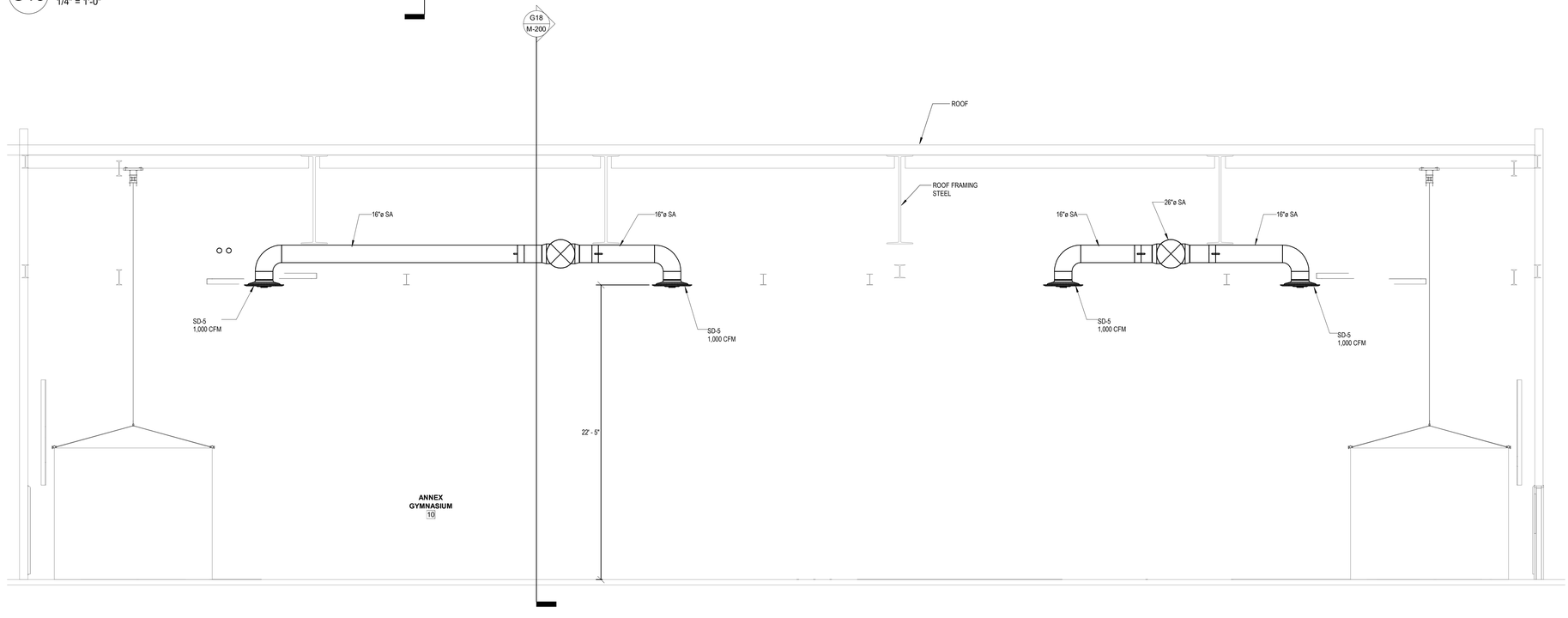


G18 SECTION LOOKING NORTH THROUGH GYM 10

1/4" = 1'-0"



A18 SECTION LOOKING WEST THROUGH GYM 10

1/4" = 1'-0"

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STATE OF NEW YORK
JOHN VENDITTI
083994
LICENSED PROFESSIONAL ENGINEER

REGISTRATION EXPIRES:
11/30/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

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

SHEET NAME:
HVAC SECTION DRAWINGS

SHEET NUMBER:

M-200

DRAWN BY: JH/JV
CHECKED BY: JH/JV
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2/18/2026 10:01:23 AM

PROJECT NUMBER: 00000.00

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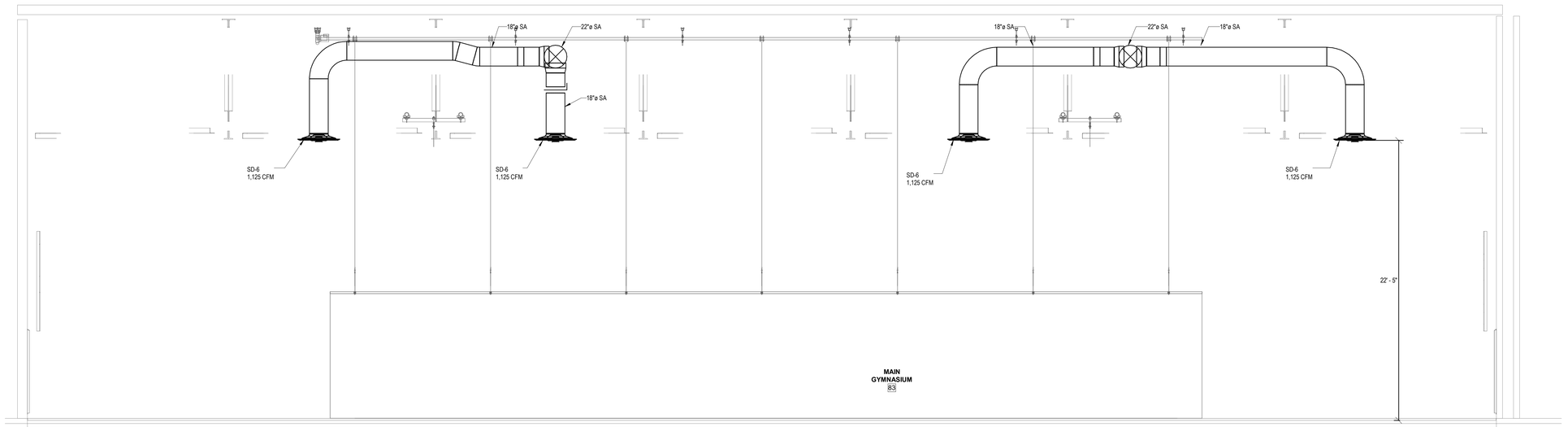
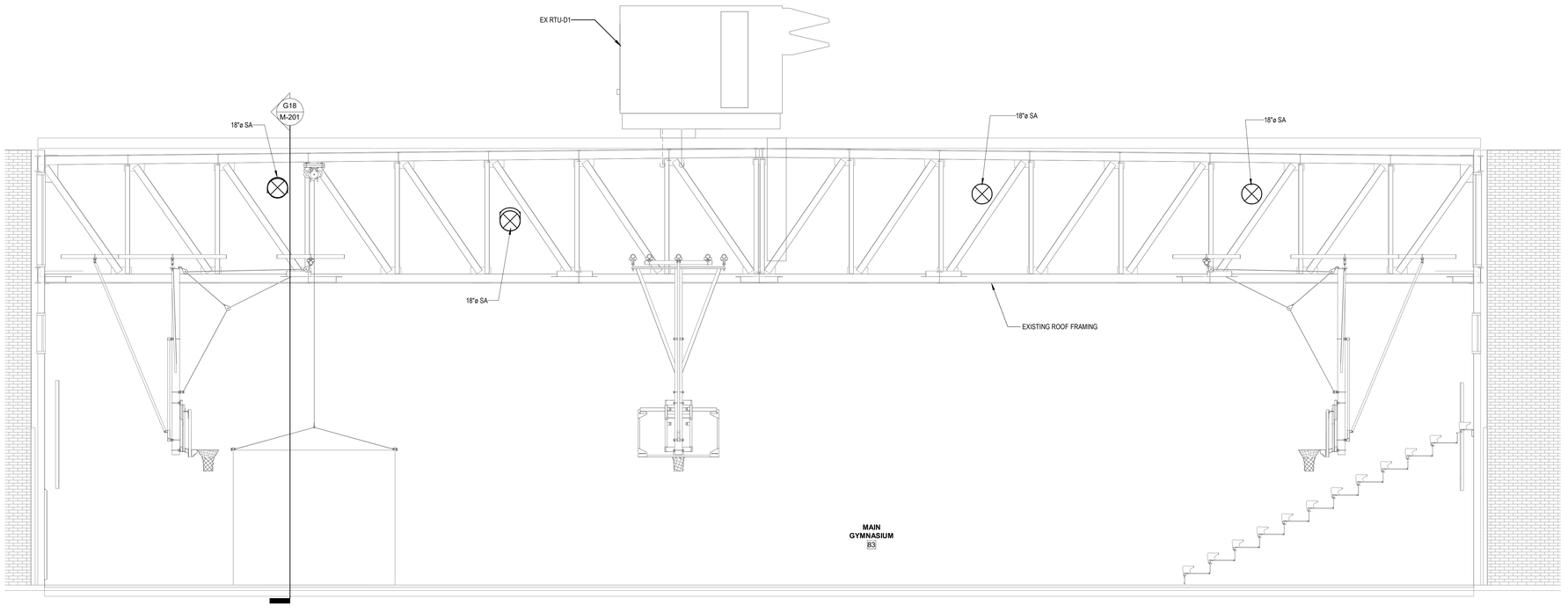


SECTION LOOKING NORTH THROUGH MAIN GYM 83

G18 1/4" = 1'-0"



SECTION LOOKING EAST THROUGH MAIN GYM 83

A18 1/4" = 1'-0"

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SHEET NUMBER:
M-201

DRAWN BY: JV/DV
CHECKED BY: JV/DV
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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
- AOR M AREA OF REFUGE MASTER STATION
- AOR 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
- BX 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
- F X WALL MOUNTED STROBE ONLY NOTIFICATION APPLIANCE. 15 CANDELA UNLESS NOTED OTHERWISE 'X' INDICATES CANDELA RATING STROBE UON
- F X C 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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10/31/2026

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SED# 50-02-01-06-0-016-040

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

PROGRESS SET - FOR REVIEW ONLY

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CHECKED BY: jhuber
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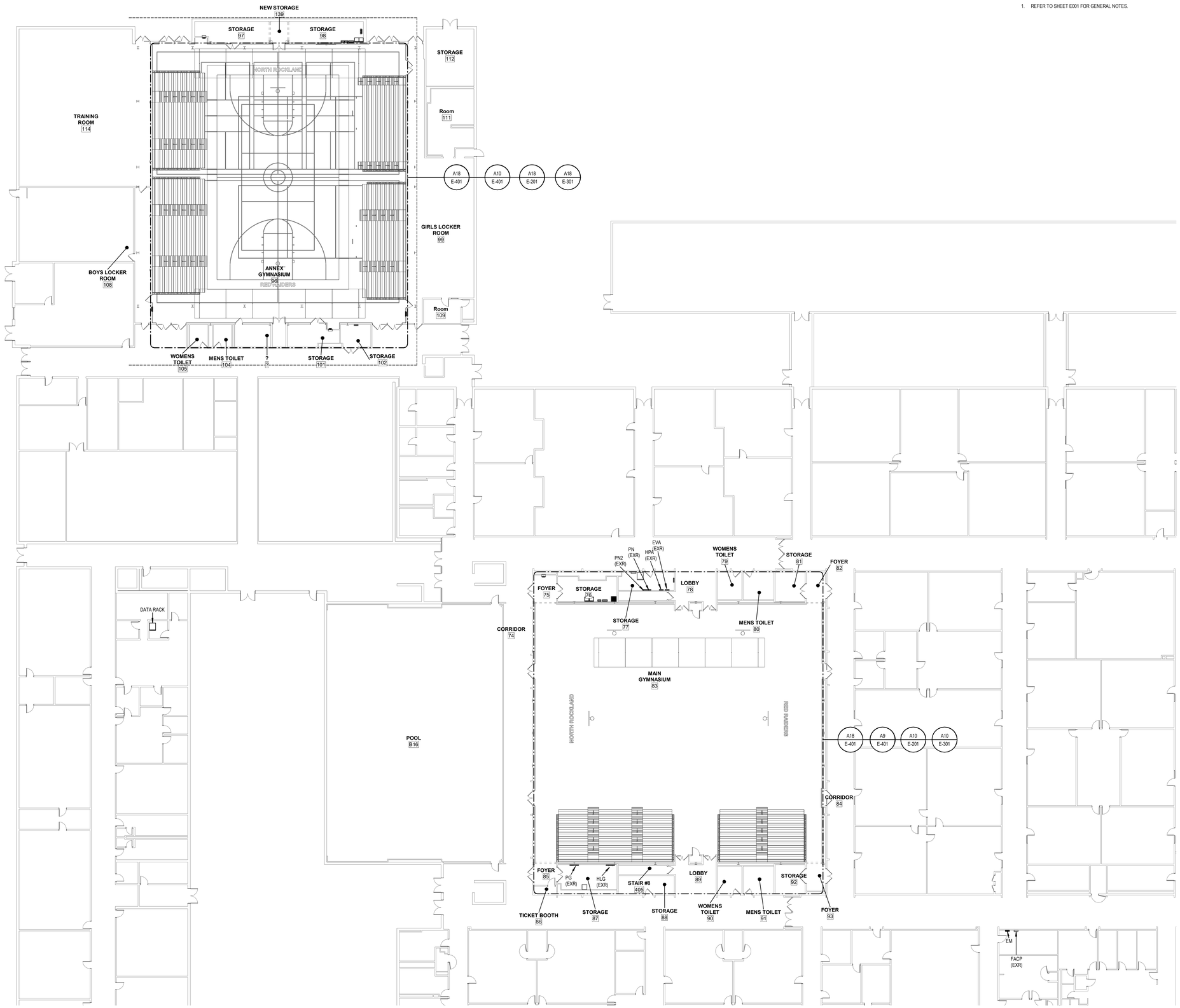
GENERAL NOTES:

1. REFER TO SHEET E001 FOR GENERAL NOTES.



A18 OVERALL ELECTRICAL PLAN

1/16" = 1'-0"

16' 8' 0 16' 32'

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106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

SCALE: AS SHOWN

SHEET NAME:
OVERALL ELECTRICAL PLAN

SHEET NUMBER:

E-100

CONSTRUCTION SET

DRAWN BY: jmcfarl
CHECKED BY: jmcfarl
C:\Users\Lee\3Documents\836 North Rockland - HS - ELEC_R23_Lee836DV.rvt
2/19/2026 10:00:26 AM

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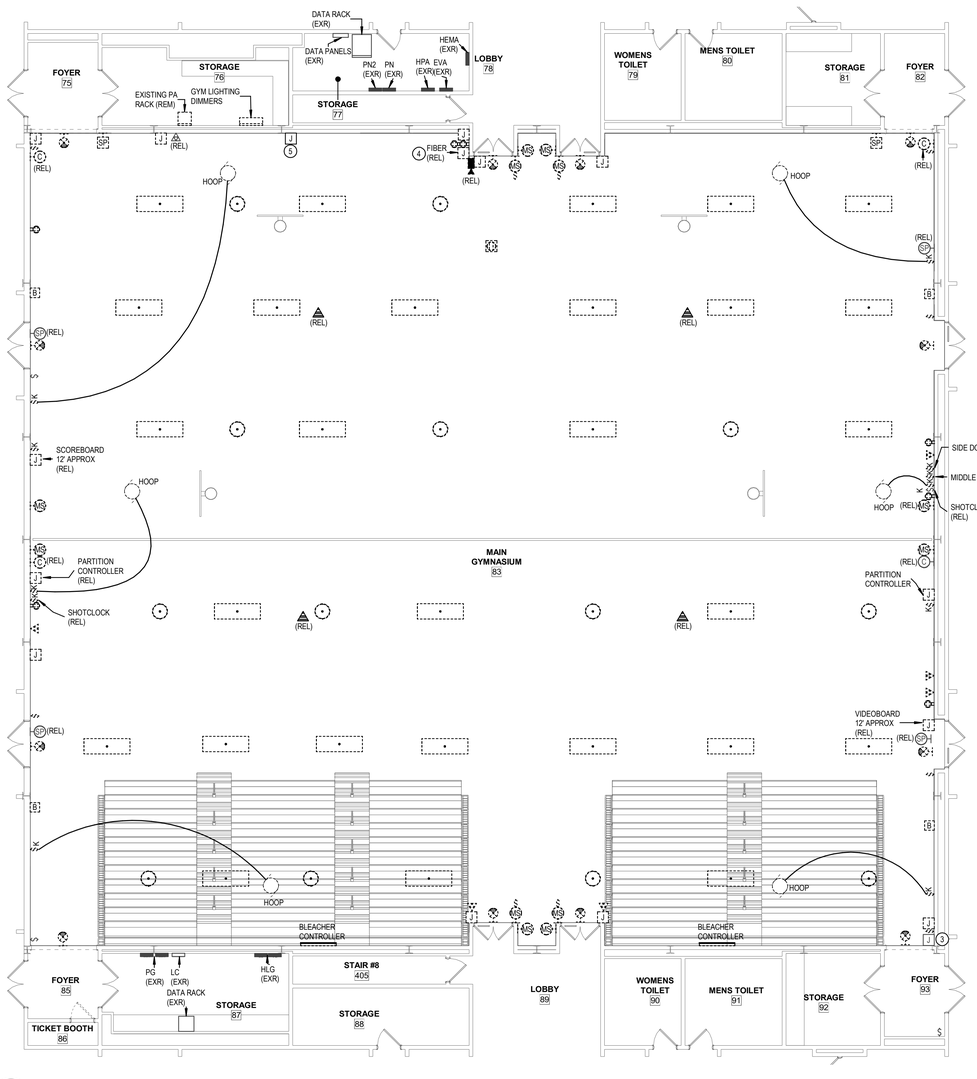
GENERAL NOTES:

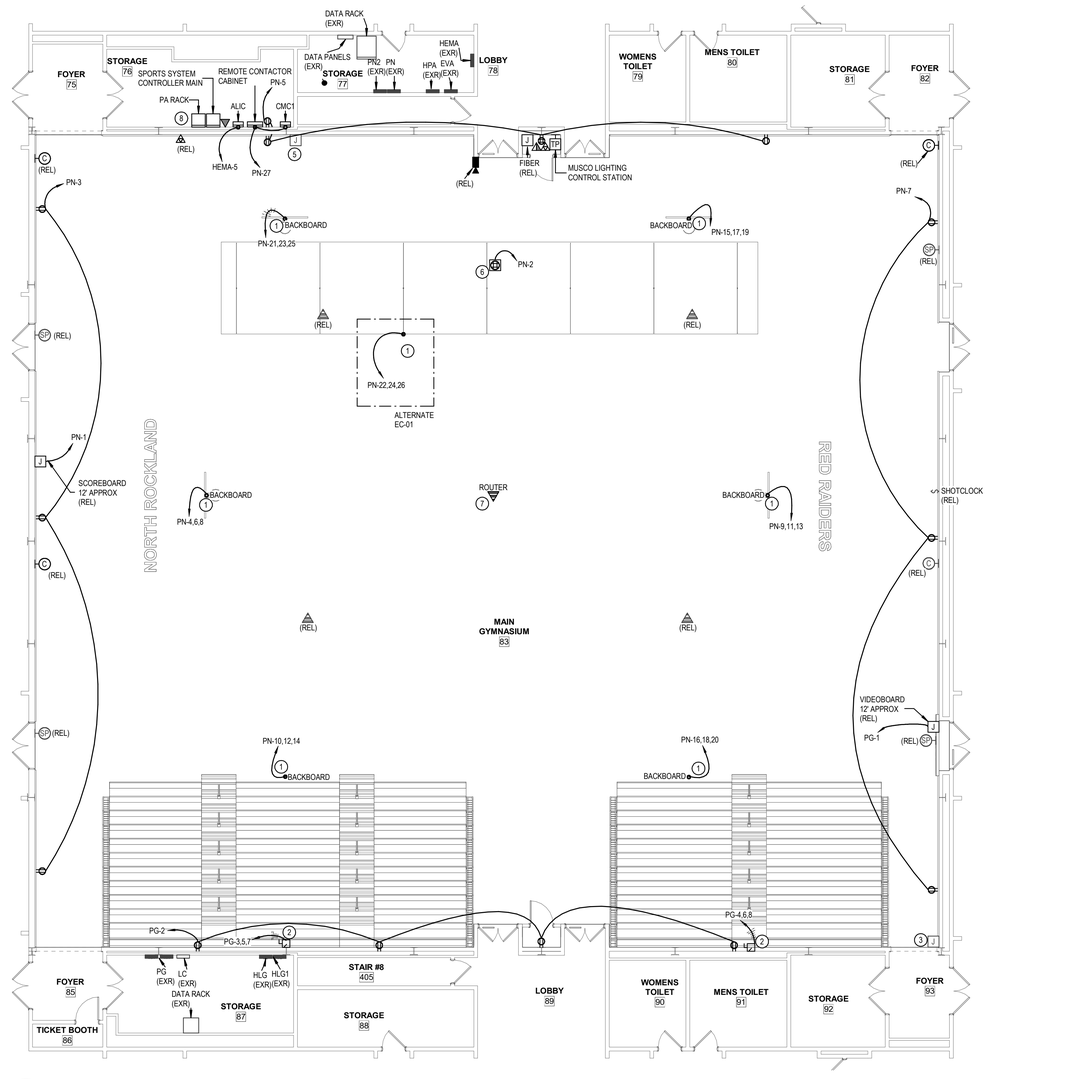
1. REFER TO SHEET E001 FOR GENERAL NOTES.

KEYED NOTES:

1. PROVIDE CIRCUITS TO BASKETBALL HOOPS/BATTING CAGES THROUGH PERFORMANCE SPORTS SYSTEM TSC1500 XL WIRELESS GYM CONTROL SYSTEM,(FURNISHED BY CONSTRUCTION CONTRACTOR INSTALLED BY ELECTRICAL CONTRACTOR). ROUTE CIRCUITS THROUGH CONTROL CABINET THEN ON TO HOOPS AND BATTING CAGES. SEE PLANS FOR LOCATIONS. REFER TO TYPICAL INSTALLATION WIRING DETAILS.
2. PROVIDE CIRCUIT TO MOTORIZED BLEACHER SYSTEM. PROVIDE DISCONNECT AHEAD OF MOTOR CONTROLLER. CONTROL SYSTEM IS WIRELESS AND ALSO USES A WIRED CONTROLLER. INSTALL DIMMER CONTROLLER FOR BLEACHER LIGHTING AND CONNECT LIGHTS TO RECEPTACLES.
3. EXPOSED CONDUITS TO REMAIN THAT ARE PART OF THE FIRST RESPONDER RADIO SYSTEM.
4. RELOCATE EXISTING VIDEO BOARD FIBER TO CONTROL CLOSET SHOWN ON INSTALL PLANS.
5. EXISTING CONDITION WITH LB FITTINGS AT 10' AFF.
6. PROVIDE A ROUND, BRASS FLOOR BOX COVER AT EACH RECESSED FLOOR BOX LOCATION IN THE GYMNASIUM FLOOR WHERE POWER RECEPTACLES ARE INDICATED. COVERS SHALL BE A (BRASS DUPLEX SCREW COVER) OR APPROVED EQUAL, LISTED FOR FLUSH INSTALLATION IN FINISHED WOOD OR CONCRETE ATHLETIC FLOORING SYSTEMS AND RATED FOR FOOT TRAFFIC. INSTALL COVER FLUSH WITH FINISHED FLOOR SURFACE, MOUNT PER MANUFACTURER INSTRUCTIONS, AND BOND COVER TO THE FLOOR BOX PER NEC 250.PROVIDE TAMPER-RESISTANT DUPLEX RECEPTACLES PER SCHEDULE. COORDINATE CUTOUT AND COVER DIAMETER WITH ARCHITECTURAL FINISH FLOOR THICKNESS AND MANUFACTURER REQUIREMENTS.
7. PERFORMANCE SPORTS SYSTEM TSC1500 XL WIRELESS CONTROL SYSTEM ROUTER. PROVIDE SHEILDED CAT 6 CABLE FROM ROUTER TO CONTROLLER
8. PROVIDE WALL MOUNTED PA RACK, AMP, WIRELESS MICS, MEDIA INPUT CONTROLLER, SPEAKERS, ETC. PROVIDE WIRING FROM PA RACK TO SPEAKERS, MICS, ETC PER DETAILS. REFER TO DRAWING E-502 FOR EQUIPMENT AND WIRING.



A18 ENLARGED MAIN GYM ELECTRICAL REMOVALS
1/8" = 1'-0"



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

8' 4' 0 8' 16'

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REGISTRATION EXPIRES: 10/31/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/23/2026
SCALE: AS SHOWN
SHEET NAME: ENLARGED ELECTRICAL PLANS - MAIN GYM
SHEET NUMBER: E-101

CONSTRUCTION SET

DRAWN BY: Author
CHECKED BY: Checker
C:\Users\Jack\Documents\4338 North Rockland - HS - ELEC_R23_Jack5QNZDY.rvt
2/19/2026 10:00:30 AM

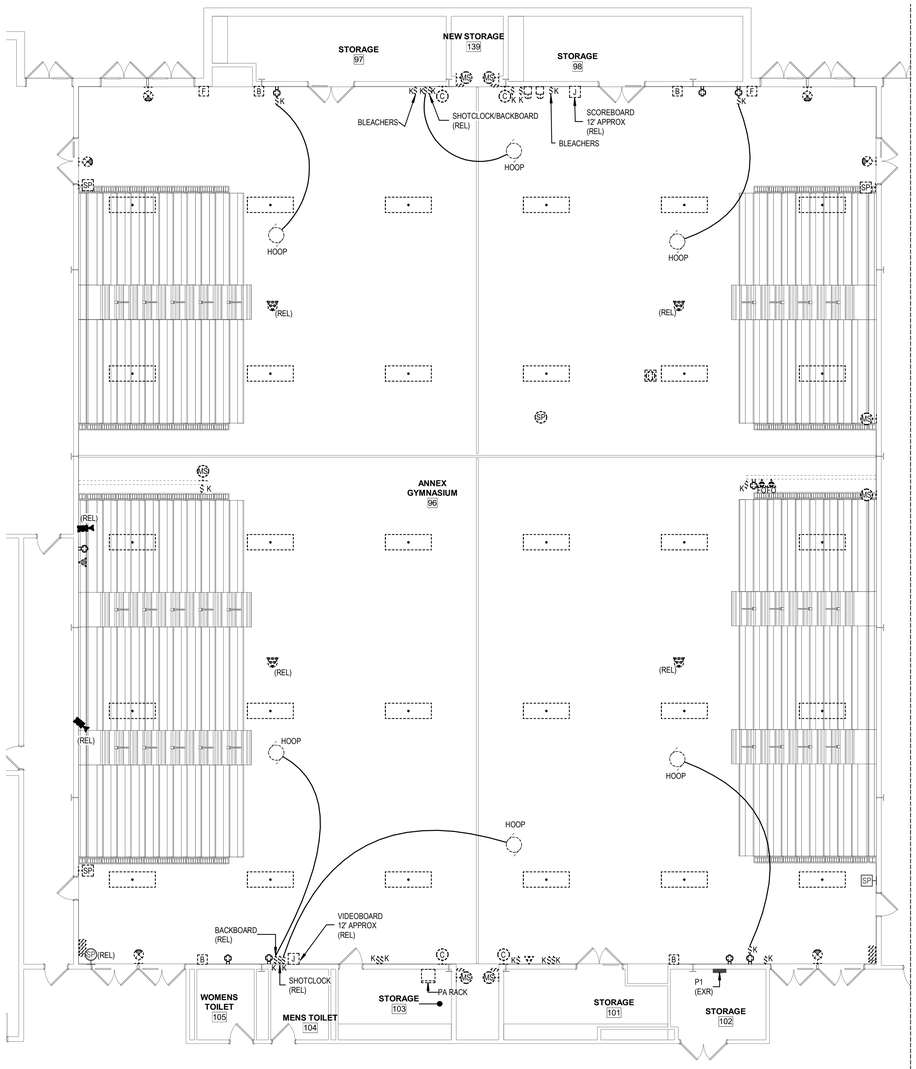
PROJECT NUMBER: 00000.00 COPYRIGHT © 2025 KSQ ARCHITECTS, PC

GENERAL NOTES:

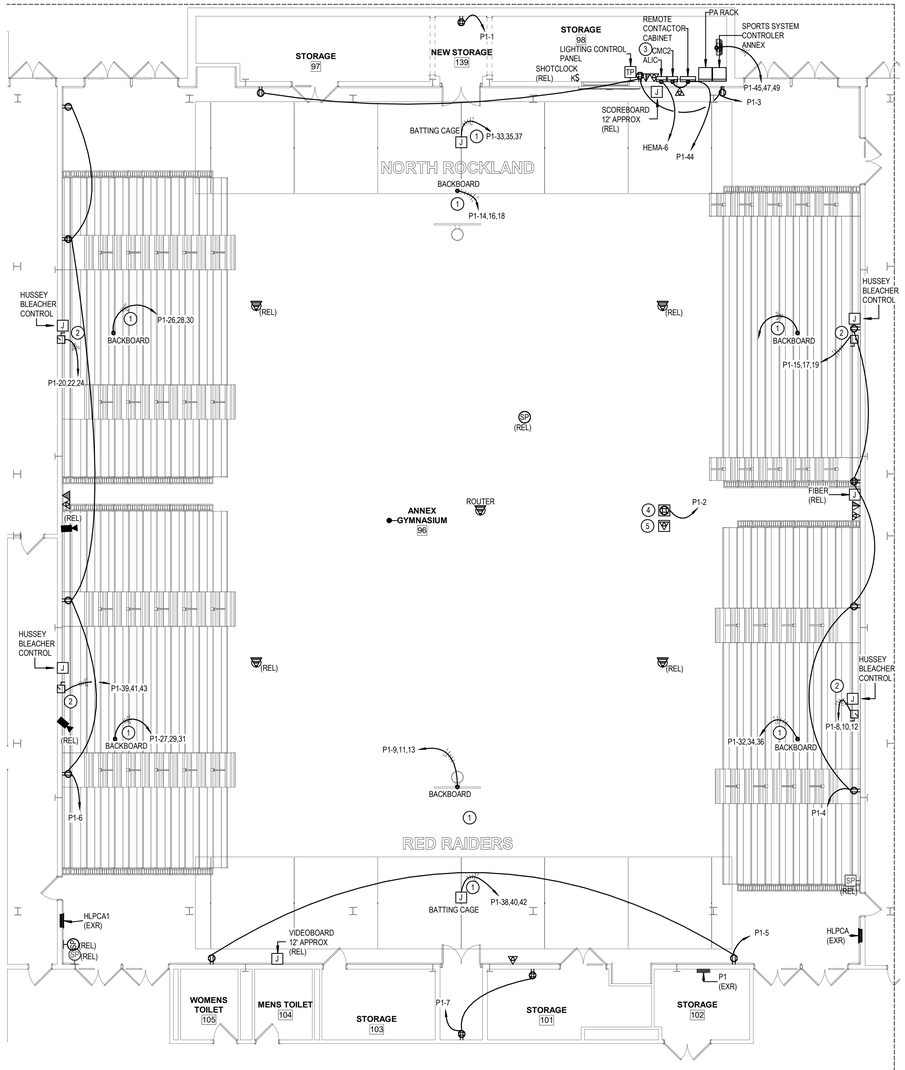
1. REFER TO SHEET E001 FOR GENERAL NOTES.
2. PROVIDE CONDUIT FOR CAT 6 CABLING INSTALLED IN THE GYMNASIUMS WHETHER CONCEALED BEHIND FINISHED SURFACES OR EXPOSED AT THE STRUCTURAL STEEL LEVEL OF THE LIGHT FIXTURES AND GYM EQUIPMENT.

KEYED NOTES:

1. PROVIDE CIRCUITS TO BASKETBALL HOOPS/BATTING CAGES THROUGH PERFORMANCE SPORTS SYSTEM TSC1500 XL WIRELESS GYM CONTROL SYSTEM. ROUTE CIRCUITS THROUGH CONTROL CABINET THEN ON TO HOOPS AND BATTING CAGES. SEE PLANS FOR LOCATIONS. REFER TO TYPICAL INSTALLATION WIRING DETAILS.
2. PROVIDE CIRCUIT TO MOTORIZED BLEACHER SYSTEM. PROVIDE DISCONNECT AHEAD OF MOTOR CONTROLLER. CONTROL SYSTEM IS WIRELESS AND ALSO USES A WIRED CONTROLLER. INSTALL DIMMER CONTROLLER FOR BLEACHER LIGHTING AND CONNECT LIGHTS TO RECEPTACLES.
3. PROVIDE MUSCO LIGHTING SYSTEM CONSISTING OF LUMINAIRES (MUSCO TLC-LED-550, TLC-RGBW, AND LSI ARB 12) FOR MAIN GYM AND ANNEX GYM. PROVIDE MUSCO CONTROL AND MONITORING CABINET (CMC), COMMUNICATION CABINET, AND TOUCH SCREEN FOR EACH GYM. REFER TO TYPICAL EQUIPMENT LAYOUT AND CONNECTION DIAGRAMS. PROVIDE LINE VOLTAGE WIRING AND LOW VOLTAGE WIRING (CAT 6 AND AUDIO CABLING) PER DIAGRAMS.
4. PROVIDE A ROUND, BRASS FLOOR BOX COVER AT EACH RECESSED FLOOR BOX LOCATION IN THE GYMNASIUM FLOOR WHERE POWER RECEPTACLES ARE INDICATED. COVERS SHALL BE A (BRASS DUPLEX SCREW COVER) OR APPROVED EQUAL, LISTED FOR FLUSH INSTALLATION IN FINISHED WOOD OR CONCRETE ATHLETIC FLOORING SYSTEMS AND RATED FOR FOOT TRAFFIC. INSTALL COVER FLUSH WITH FINISHED FLOOR SURFACE. MOUNT PER MANUFACTURER INSTRUCTIONS, AND BOND COVER TO THE FLOOR BOX PER NEC 250.PROVIDE TAMPER-RESISTANT DUPLEX RECEPTACLES PER SCHEDULE. COORDINATE CUTOUT AND COVER DIAMETER WITH ARCHITECTURAL FINISH FLOOR THICKNESS AND MANUFACTURER REQUIREMENTS.
5. PROVIDE A RECESSED FLOOR BOX AT LOCATIONS SHOWN FOR MICROPHONE (XLR) CONNECTIONS. FLOOR BOX SHALL BE RATED FOR FLUSH INSTALLATION IN FINISHED WOOD OR CONCRETE FLOORS AND WALK-ON DUTY. PROVIDE FEMALE XLR (3-PIN) AND HEAVY-DUTY COVER WITH SCREW COVER AND WIRING TO THE AV RACK OR MIXING CONSOLE PER DRAWINGS.



A18 ENLARGED ANNEX GYM ELECTRICAL REMOVALS
1/8" = 1'-0"



A10 ENLARGED ANNEX GYM ELECTRICAL PLAN
1/8" = 1'-0"

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REGISTRATION EXPIRES: 10/31/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 02/23/2026
SCALE: AS SHOWN
SHEET NAME: ENLARGED ELECTRICAL PLANS - ANNEX GYM
SHEET NUMBER: E-102

CONSTRUCTION SET

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DRAWN BY: jmcfarl
CHECKED BY: jmcfarl
C:\Users\Lee\Documents\456 North Rockland - HS - ELEC_R23_Lee456CNV.rvt
2/19/2026 10:00:32 AM

GENERAL NOTES:

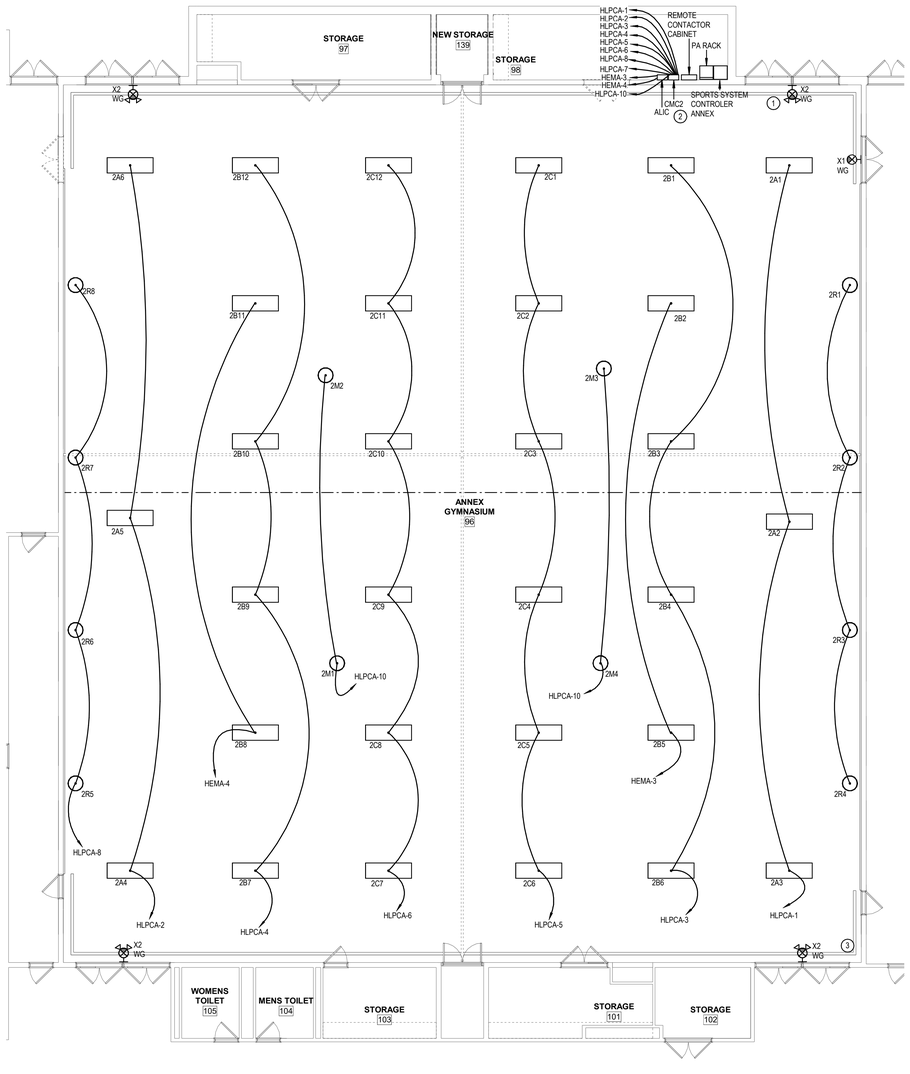
1. REFER TO SHEET E001 FOR GENERAL NOTES.
2. PROVIDE CONDUIT FOR CAT 6 CABLING INSTALLED IN THE GYMNASIUMS WHETHER CONCEALED BEHIND FINISHED SURFACES OR EXPOSED AT THE STRUCTURAL STEEL LEVEL OF THE LIGHT FIXTURES AND GYM EQUIPMENT.

KEYED NOTES:

(1) CIRCUIT TO EMERGENCY PANEL HEMA. TYPICAL.

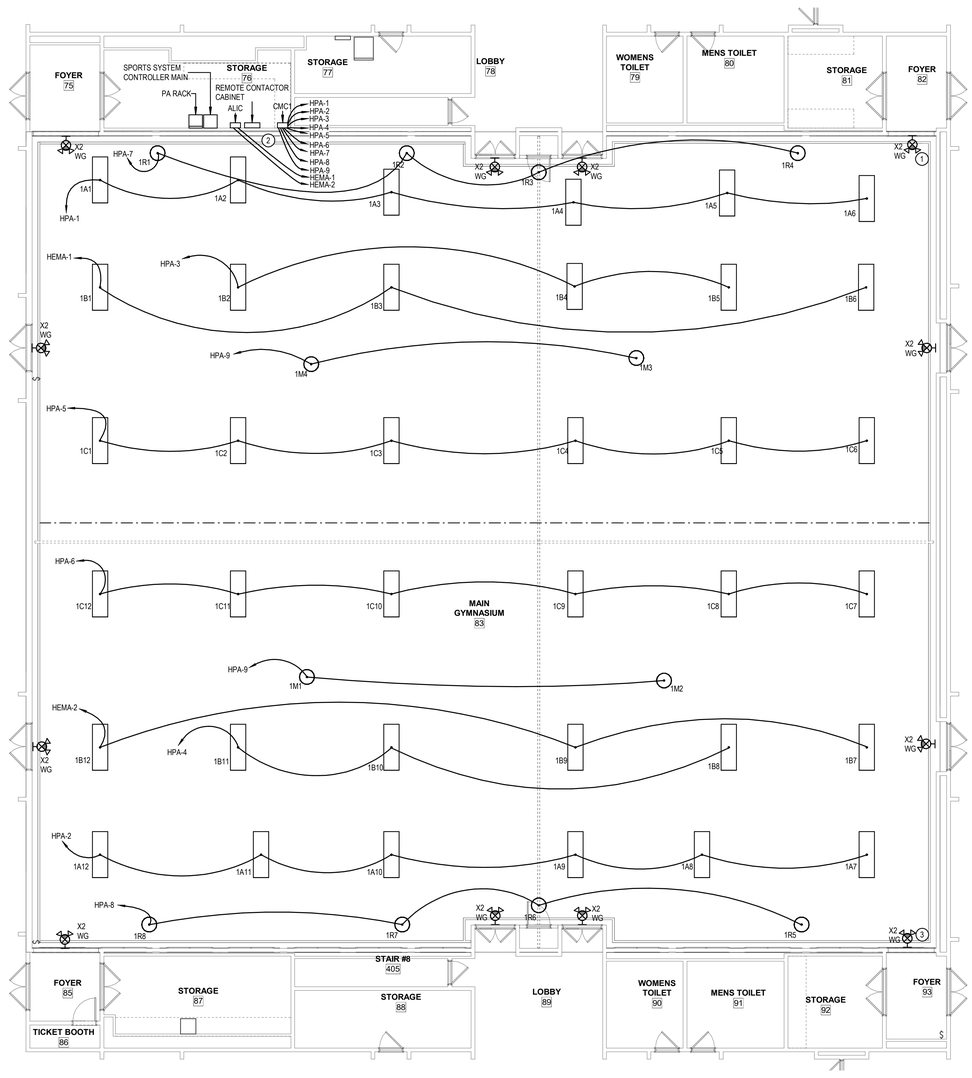
(2) INSTALL OWNER FURNISHED MUSCO LIGHTING SYSTEM IN EACH GYM. REFER TO MUSCO LIGHTING PACKAGE SUPPLIED AS SUPPLEMENTARY INFORMATION AS PART OF THIS BID PACKAGE. MUSCO WILL DELIVER THE LIGHTS AND COMPONENTS AND THE EC WILL STORE THEM ON SITE PRIOR TO INSTALLATION. MOUNT FIXTURES AT APPROXIMATELY 22' AFF AND PROVIDE MOUNTING BRACKETS FOR FIXTURES AND CONNECT TO BUILDING STEEL. INSTALL CONTROL CABINETS AND ACCESSORIES AND PROVIDE LINE VOLTAGE WIRING PER THESE CONTRACT DRAWINGS AND THE MUSCO LIGHTING PACKAGE. PROVIDE LOW VOLTAGE WIRING (CAT 6, AUDIO CABLING, CONTROL CABLES, ETC.) PER THE CONTRACT DRAWINGS AND MUSCO LIGHTING PACKAGE.

(3) THE MUSCO SYSTEM WILL BE PROGRAMMED FOR TIME OF DAY ON/OFF OPERATION. PROVIDE OVERRIDE SWITCH AT ENTRANCE TO ALLOW DAILY USE OF THE GYM LIGHTS IN TERMS OF ON/OFF CONTROL FOR GYM USAGE DURING NON-EVENT TIMES. LOCATE AT MAIN ENTRANCE AS DIRECTED.



A18 ENLARGED ANNEX GYM LIGHTING PLAN

1/8" = 1'-0"



A10 ENLARGED MAIN GYM LIGHTING PLAN

1/8" = 1'-0"

8' 4' 0 8' 16'

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REGISTRATION EXPIRES
10/31/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

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

CONSTRUCTION SET

DRAWN BY: AJ/DJ/
CHECKED BY: JM/MM
C:\Users\AJ\ADocuments\436 North Rockland - MS - ELEC_R23_Ltest58CP.rvt
2/18/2026 10:00:35 AM

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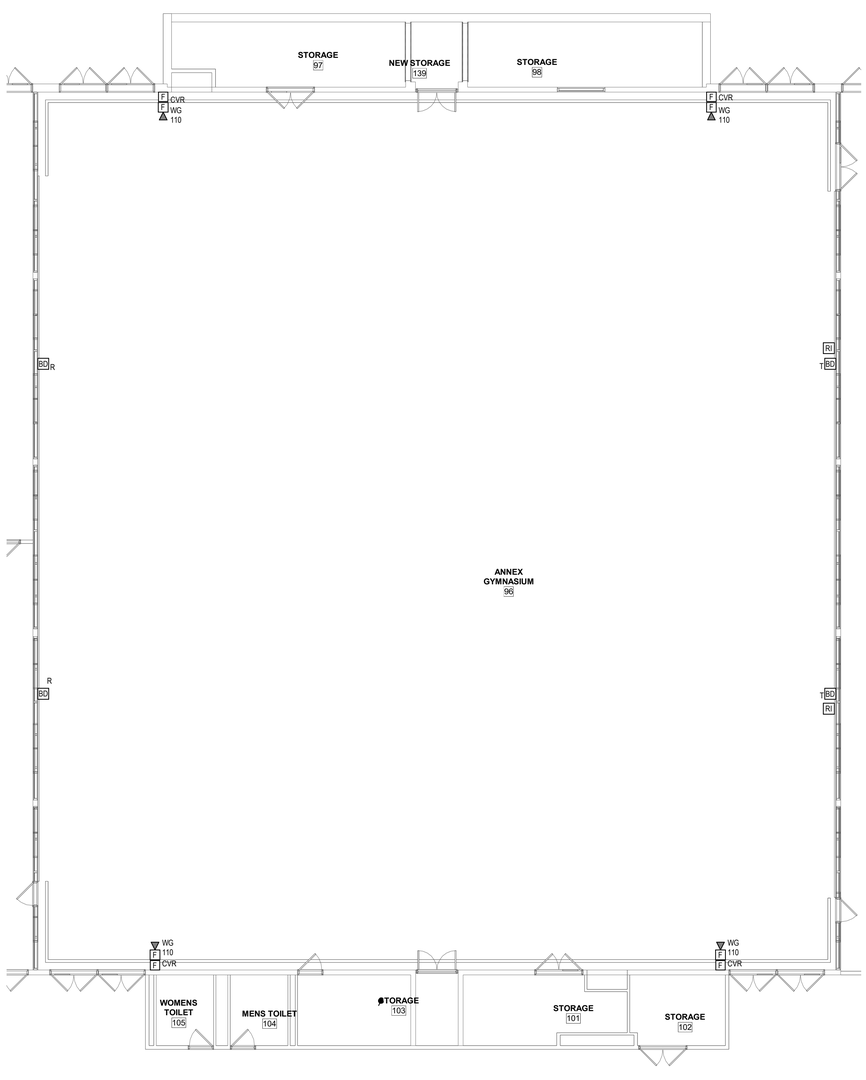
GENERAL NOTES:

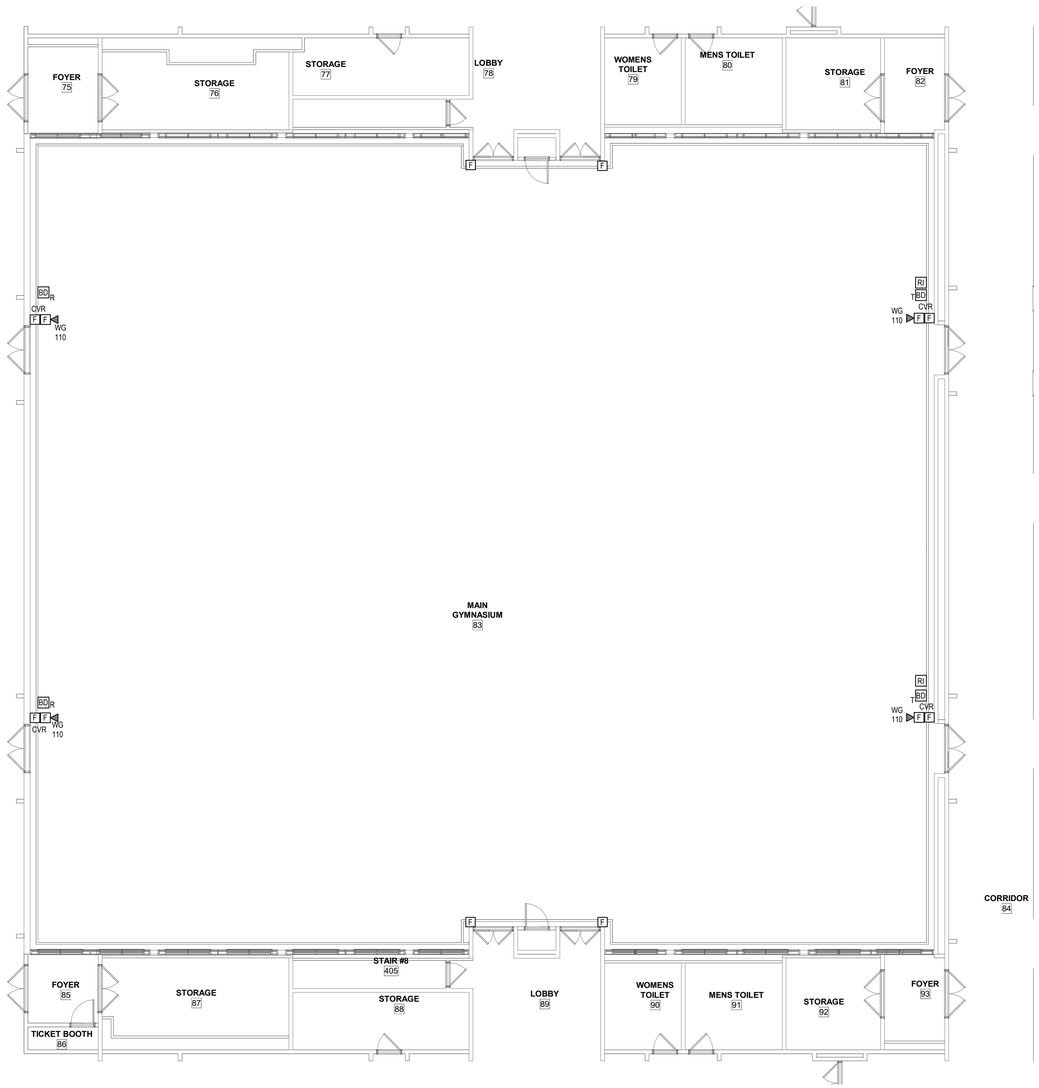
1. REFER TO SHEET E001 FOR GENERAL NOTES.
2. PROVIDE CONDUIT FOR FIRE ALARM WIRING INSTALLED IN THE GYMNASIUMS WHETHER CONCEALED BEHIND FINISHED SURFACES OR EXPOSED AT THE STRUCTURAL STEEL LEVEL WHERE THE BEAM DETECTORS ARE LOCATED.

KEYED NOTES:

(1) RESERVED



A18 ENLARGED ANNEX GYM FIRE ALARM PLAN
1/8" = 1'-0"



A10 ENLARGED MAIN GYM FIRE ALARM PLAN
1/8" = 1'-0"

8' 4' 0 8' 16'

ARCHITECT

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REGISTRATION EXPIRES
10/31/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

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

SHEET NUMBER:
E-301

CONSTRUCTION SET

PROJECT NUMBER: 00000.00 COPYRIGHT © 2025 KSQ ARCHITECTS, PC

DRAWN BY: jmcfarl
CHECKED BY: jmcfarl
C:\Users\Lenk\Documents\NRHS North Rockland - HS - ELEC_R23_Lenk05BCN.rvt
2/19/2026 10:00:37 AM

NAME: PN — PANEL SCHEDULE

MOUNTING:	SURFACE	VOLTS:	208Y/120	PHASE: 3	WIRE: 4
MAIN RATING:	225 A	MCB:	MLO	MIN AIC RATING: 10,000	AMPS RMS SYM
OTHER:				LOCATION: STORAGE 77	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	SCOREBOARD MAIN	0	#12	20	1	0			180			1	20	#12	180	RCPT MAIN GYM	2
3	RECEPT MAIN GYM	540	#12	20	1		540			80		3	20	#12	240	BACKBOARD 1	4
5	RPCT MAIN GYM	720	#12	20	1			720			80	--	--	--	--	--	6
7	RCPT MAIN GYM	540	#12	20	1	540			80			--	--	--	--	--	8
9	BACKBOARD 2	240	#12	20	3		80			80		3	20	#12	240	BACKBOARD 3	10
11	--	--	--	--	--			80			80	--	--	--	--	--	12
13	--	--	--	--	--	80			80			--	--	--	--	--	14
15	BACKBOARD 4	240	#12	20	3		80			80		3	20	#12	240	BACKBOARD 5	16
17	--	--	--	--	--			80			80	--	--	--	--	--	18
19	--	--	--	--	--	80			80			--	--	--	--	--	20
21	BACKBOARD 6	240	#12	20	3		80			80		3	20	#12	240	BATTING CAGE	22
23	--	--	--	--	--			80			80	--	--	--	--	--	24
25	--	--	--	--	--	80			80			--	--	--	--	--	26
27	MUSCO CMC1 AND RCC	480	#12	20	1		480			0		1	20	--	--	SPARE	28
29	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	30
31	SPARE	--	--	20	1	0			0			1	20	--	--	SPARE	32
33	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	34
35	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	36
37	SPARE	--	--	20	1	0			0			1	20	--	--	SPARE	38
39	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	40
41	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	42

NAME: P1 — PANEL SCHEDULE

MOUNTING:	SURFACE	VOLTS:	208Y/120	PHASE: 3	WIRE: 4
MAIN RATING:	200 A	MCB:	MLO	MIN AIC RATING: 10,000	AMPS RMS SYM
OTHER:				LOCATION: STORAGE 102	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	RCPT	180	#12	20	1	180			180			1	20	#12	180	RCPT	2
3	RCPT	540	#12	20	1		540			720		1	20	#12	720	RCPT	4
5	RCPT	360	#12	20	1			360			720	1	20	#12	720	RCPT	6
7	Recept	540	#12	20	1	540			80			3	20	#12	240	BLEACHER R1	8
9	BLEACHER L1	240	#12	20	3		80			80		--	--	--	--	--	10
11	--	--	--	--	--			80			80	--	--	--	--	--	12
13	--	--	--	--	--	80			80			3	20	#12	240	BLEACHER R2	14
15	BLEACHER L2	240	#12	20	3		80			80		--	--	--	--	--	16
17	--	--	--	--	--			80			80	--	--	--	--	--	18
19	--	--	--	--	--	80			80			3	20	#12	240	BACKBOARD 2	20
21	BACKBOARD 1	240	#12	20	3		80			80		--	--	--	--	--	22
23	--	--	--	--	--			80			80	--	--	--	--	--	24
25	--	--	--	--	--	80			80			3	20	#12	240	BACKBOARD 4	26
27	BACKBOARD 3	240	#12	20	3		80			80		--	--	--	--	--	28
29	--	--	--	--	--			80			80	--	--	--	--	--	30
31	--	--	--	--	--	80			80			3	20	#12	240	BACKBOARD 6	32
33	BACKBOARD 5	240	#12	20	3		80			80		--	--	--	--	--	34
35	--	--	--	--	--			80			80	--	--	--	--	--	36
37	--	--	--	--	--	80			80			3	20	#12	240	BATTING CAGE 2	38
39	BATTING CAGE 1	240	#12	20	3		80			80		--	--	--	--	--	40
41	--	--	--	--	--			80			80	--	--	--	--	--	42
43	--	--	--	--	--	80			480			1	20	#12	480	MUSCO CMC2 AND RCC	44
45	EUH-1	750	#10	30	3		250			0		1	20	--	--	SPARE	46
47	--	--	--	--	--			250			0	1	20	--	--	SPARE	48
49	--	--	--	--	--	250			0			1	20	--	--	SPARE	50
51	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	52
53	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	54
55	SPARE	--	--	20	1	0			0			1	20	--	--	SPARE	56
57	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	58
59	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	60

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	LAMP				VOLTS	FIXTURE REMARKS
			TYPE	WATTS	LUMENS	COLOR		
			LED	36.0 W	1380 lm	3200 K		
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

NAME: PG — PANEL SCHEDULE

MOUNTING:	SURFACE	VOLTS:	208Y/120	PHASE: 3	WIRE: 4
MAIN RATING:	200 A	MCB:	MLO	MIN AIC RATING: 10,000	AMPS RMS SYM
OTHER:				LOCATION: STORAGE 87	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	SCOREBOARD MAIN GYM	0	#12	20	1	0			720			1	20	#12	720	RCPT	2
3	LARGER BLEACHER DISCONNECT	0	#12	20	3		0			0		3	20	#12	0	SMALLER BLEACHER DISCONNECT	4
5	--	--	--	--	--			0			0	--	--	--	--	--	6
7	--	--	--	--	--	0			0			--	--	--	--	--	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
31	SPARE	--	--	20	1	0			0			1	20	--	--	SPARE	32
33	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	34
35	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	36
37	SPARE	--	--	20	1	0			0			1	20	--	--	SPARE	38
39	SPARE	--	--	20	1		0			0		1	20	--	--	SPARE	40
41	SPARE	--	--	20	1			0			0	1	20	--	--	SPARE	42

NAME: HLPCA — PANEL SCHEDULE

MOUNTING:	SURFACE	VOLTS:	480Y/277	PHASE: 3	WIRE: 4
MAIN RATING:	200 A	MCB:	MLO	MIN AIC RATING: 14,000	AMPS RMS SYM
OTHER:				LOCATION: ANNEX GYMNASIUM 10	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	MUSCO LGTS C1	1100	#12	20	1	1100			1100			1	20	#12	1100	MUSCO LGTS C2	2
3	MUSCO LGTS C3	1500	#12	20	1		1500			1500		1	20	#12	1500	MUSCO LGTS C4	4
5	MUSCO LGTS C5	2200	#12	20	1			2200			2200	1	20	#12	2200	MUSCO LGTS C6	6
7	MUSCO LGTS C7	3700	#12	20	1	3700			3700			1	20	#12	3700	MUSCO LGTS C8	8
9	MUSCO LGTS C11	750	#12	20	1		750			0		1	0	--	--	SPARE	10
11	SPARE	0		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: HPA — 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: STORAGE 77	

NOTES:

CKT	DESCRIPTION	LOAD	WIRE	BKR	P	A	B	C	A	B	C	P	BKR	WIRE	LOAD	DESCRIPTION	CKT
1	MUSCO LGTS C1	2200	#12	20	1	2200			2200			1	20	#12	2200	MUSCO LGTS C2	2
3	MUSCO LGTS C3	1100	#12	20	1		1100			1100		1	20	#12	1100	MUSCO LGTS C4	4
5	MUSCO LGTS C5	2200	#12	20	1			2200			2200	1	20	#12	2200	MUSCO LGTS C6	6
7	MUSCO LGTS C7	3700	#12	20	1	3700			3700			1	20	#12	3700	MUSCO LGTS C8	8
9	MUSCO LGTS C9	2200	#12	20	1		2200			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

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REGISTRATION EXPIRES: 10/31/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 02/23/2026

SCALE: AS SHOWN

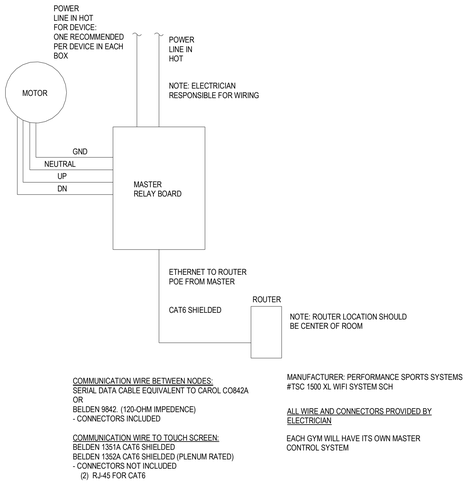
SHEET NAME:
PANEL AND FIXTURE SCHEDULES - GYM

SHEET NUMBER:
E-401

CONSTRUCTION SET

DRAWN BY: AUTH
CHECKED BY: Checker
C:\Users\ksq\OneDrive\Documents\0306 North Rockland - HS - ELEC_R22_Local\0306DY.rvt
2/19/2026 10:00:39 AM

PROJECT NUMBER: 00000.00 COPYRIGHT © 2025 KSQ ARCHITECTS, PC



COMMUNICATION WIRE BETWEEN NODES:
SERIAL DATA CABLE EQUIVALENT TO CAROL CO842A
OR
BELDEN 9842, (120-OHM IMPEDENCE)
- CONNECTORS INCLUDED

COMMUNICATION WIRE TO TOUCH SCREEN:
BELDEN 1351A CAT6 SHIELDED
BELDEN 1352A CAT6 SHIELDED (PLENUM RATED)
- CONNECTORS NOT INCLUDED
(2) RJ-45 FOR CAT6

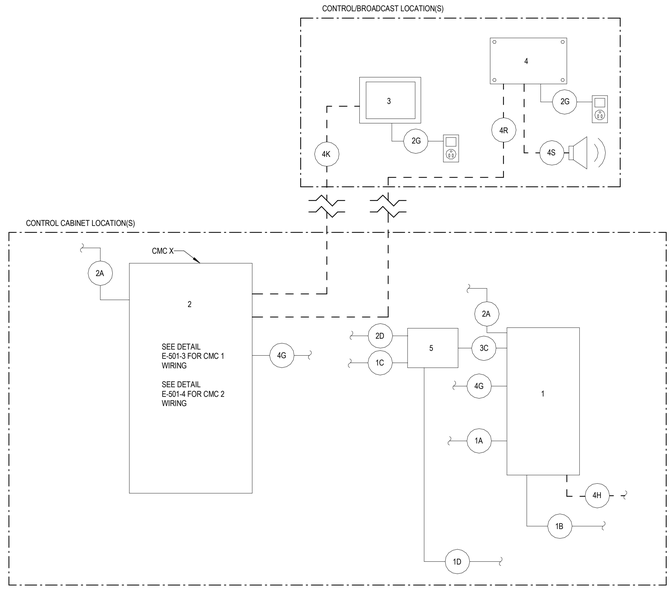
MANUFACTURER: PERFORMANCE SPORTS SYSTEMS
#TSC 1500 XL WIFI SYSTEM SCH

ALL WIRE AND CONNECTORS PROVIDED BY ELECTRICIAN

EACH GYM WILL HAVE ITS OWN MASTER CONTROL SYSTEM

1 BACKBOARD/BATTING CAGE CONTROL SYSTEM

NONE



CONNECTION DETAILS:

1A LINE POWER TO CONTACTORS, AND EQUIPMENT GROUNDING CONDUCTOR. REQUIRES ONE CIRCUIT PER CONTACTOR, SIZE WIRING PER LOAD AND VOLTAGE DROP.
1B LOAD POWER FROM CONTACTORS, AND EQUIPMENT GROUNDING CONDUCTOR. REQUIRES ONE CIRCUIT PER CONTACTOR, SIZE WIRING PER LOAD AND VOLTAGE DROP.
1C EMERGENCY CIRCUIT - LINE POWER TO CONTACTORS, AND EQUIPMENT GROUNDING CONDUCTOR. REQUIRES ONE CIRCUIT PER CONTACTOR, SIZE WIRING PER LOAD AND VOLTAGE DROP.
1D EMERGENCY CIRCUIT - LOAD POWER FROM CONTACTORS, AND EQUIPMENT GROUNDING CONDUCTOR. REQUIRES ONE CIRCUIT PER CONTACTOR, SIZE WIRING PER LOAD AND VOLTAGE DROP.
2A CONTROL POWER WITH EQUIPMENT GROUND TO CONTROL CABINET. REQUIRES DEDICATED 20 A CIRCUIT. PROVIDE TRANSFORMER IF CONTROL VOLTAGE NOT PRESENT.
2D EMERGENCY CIRCUIT - CONTROL POWER WITH EQUIPMENT GROUND. REQUIRES DEDICATED 20 A EMERGENCY CIRCUIT. PROVIDE TRANSFORMER IF CONTROL VOLTAGE NOT PRESENT.
2G POWER CORD FOR RACK DATA UNIT. REQUIRES STANDARD RECEPTACLE.
3C CONTROL HARNESS - EMERGENCY CABINET TO PRIMARY CONTROL CABINET. USE 14 AWG COPPER CONDUCTOR FOR UP TO 50 FEET BETWEEN CABINETS OR 12 AWG UP TO 300 FEET. REQUIRES 4 CONDUCTORS.
4G COMMUNICATION CABLE - CONTROL CABINET TO REMOTE CONTACTOR CABINET. REQUIRES CAT5E CABLE (BELDEN 7958A OR EQUAL). CABLE MUST NOT BE EXPOSED TO UNDERGROUND OR EXTERIOR CONDITIONS.
4H COMMUNICATION CABLE - CONTROL CABINET TO ELECTRICAL COMPONENTS ENCLOSURE. REQUIRES CAT5E CABLE (BELDEN 7958A OR EQUAL). CABLE MUST NOT BE EXPOSED TO UNDERGROUND OR EXTERIOR CONDITIONS.
4K COMMUNICATION CABLE - TOUCHSCREEN TO CONTROL CABINET. REQUIRES CAT5E CABLE (BELDEN 1583A OR EQUAL). MAXIMUM CABLE LENGTH IS 300 FEET. CABLE MUST NOT BE EXPOSED TO UNDERGROUND OR EXTERIOR CONDITIONS.
4R COMMUNICATION CABLE - RACK DATA UNIT TO CONTROL CABINET. REQUIRES CAT5E CABLE (BELDEN 1583A OR EQUAL). MAXIMUM CABLE LENGTH IS 300 FEET. CABLE MUST NOT BE EXPOSED TO UNDERGROUND OR EXTERIOR CONDITIONS.
4S AUDIO CABLE - AUDIO SYSTEM TO RACK DATA UNIT. REQUIRES AUDIO CABLE WITH 1/4 INCH AUDIO PLUG, MAXIMUM OF 150 FEET.

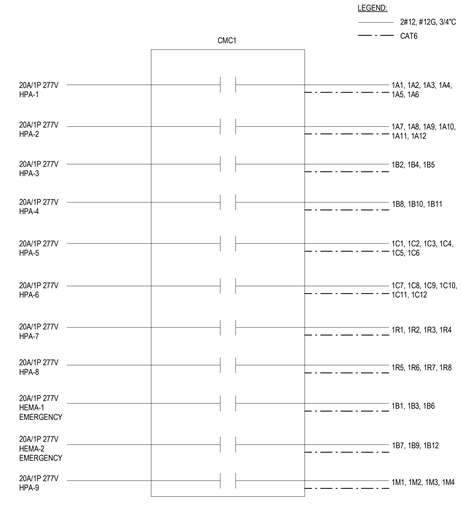
EQUIPMENT:

1 REMOTE CONTACTOR CABINET
2 MASTER CONTROL CABINET (CMC)
3 TOUCHSCREEN
4 RACK DATA UNIT
5 AUXILIARY LIGHTING INTERFACE CABINET (ALIC)

EACH GYM WILL HAVE ITS OWN LIGHTING CONTROL SYSTEM

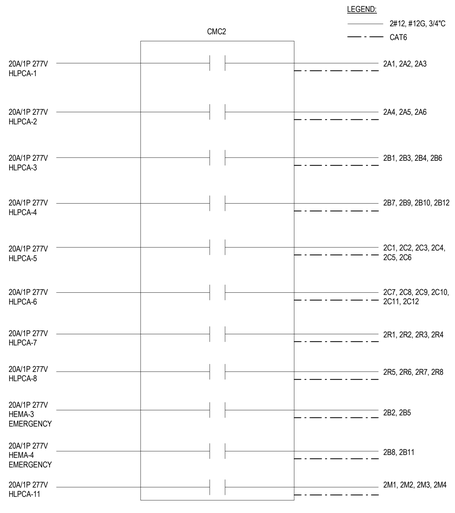
2 MUSCO LIGHTING ONE LINE

NONE



3 MAIN GYM MUSCO LIGHTING WIRING CMC1

NONE



4 ANNEX GYM MUSCO LIGHTING WIRING CMC2

NONE

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REGISTRATION EXPIRES:
10/31/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

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

CONSTRUCTION SET

DRAWN BY: JH/JV
CHECKED BY: JH/MM
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2/19/2026 10:00:40 AM

PROJECT NUMBER: 00000.00
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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	
BF-1	BOTTLE FILLER	ELKAY	LBWD008KC	1/2"		1 1/2"		1 1/2"	

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)
- SANITARY ABOVE GRADE (SAN)
- SANITARY BELOW GRADE (SAN)
- VENT PIPING (V)
- WASTE PIPING (W)
- NATURAL GAS PIPING (G)
- 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

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REGISTRATION EXPIRES: 11/30/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

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

DRAWN BY: Author
CHECKED BY: Checker
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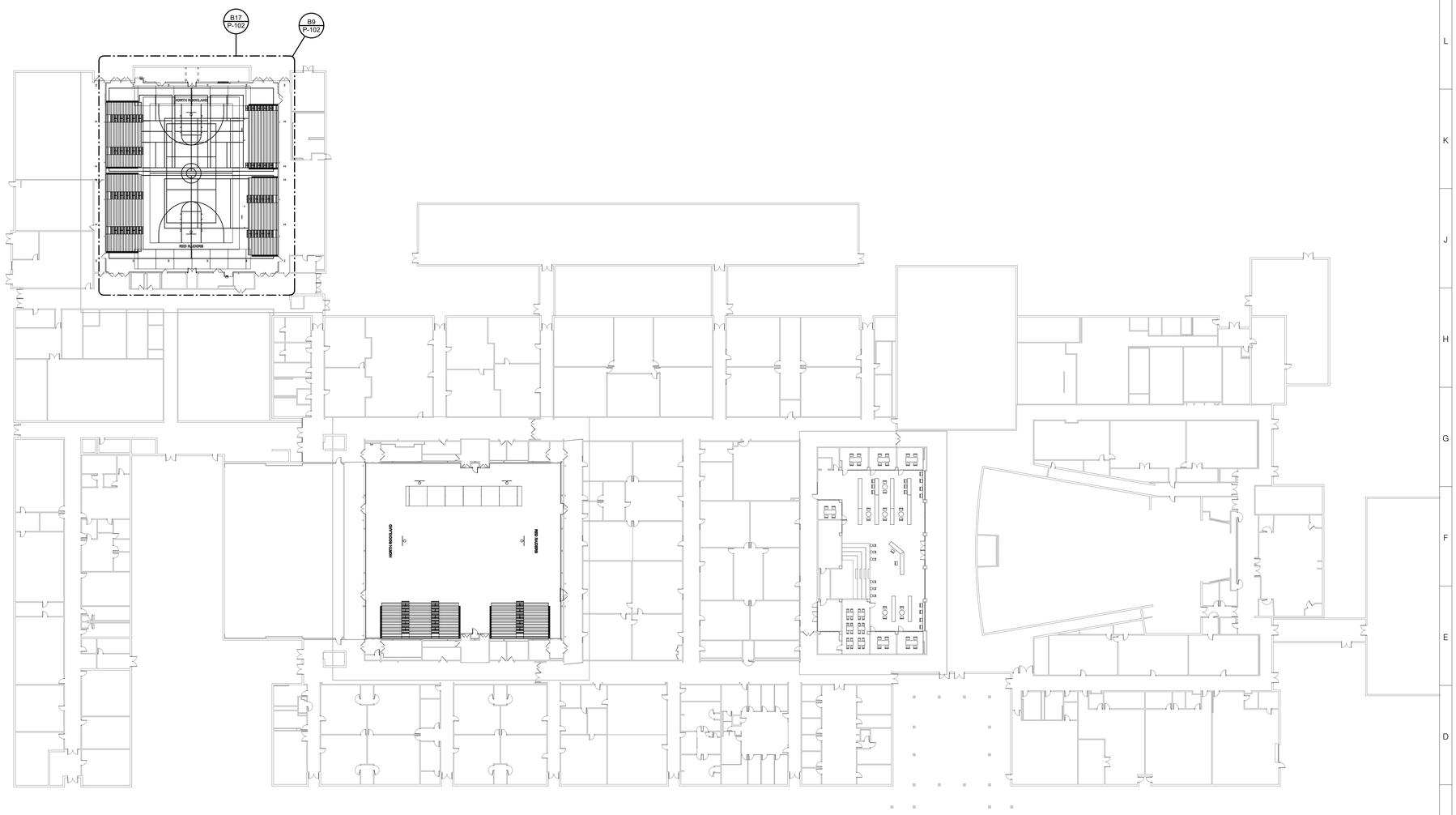

C15 OVERALL PLUMBING PLAN
1" = 30'-0"

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REGISTRATION EXPIRES:
11/30/2026

NORTH ROCKLAND HIGH SCHOOL - MAIN & ANNEX GYMNASIUMS RENOVATION

106 Hammond Rd,
Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 2/23/2026

SCALE: 1" = 30'-0"

SHEET NAME:
OVERALL PLUMBING PLAN

SHEET NUMBER:
P-101

BID SET

DRAWN BY: jh/hw
CHECKED BY: jh/hw
C:\Users\JH\3Documents\436 North Rockland - HS - Plum_R23_22sept.rvt
2/17/2026 3:41:40 PM

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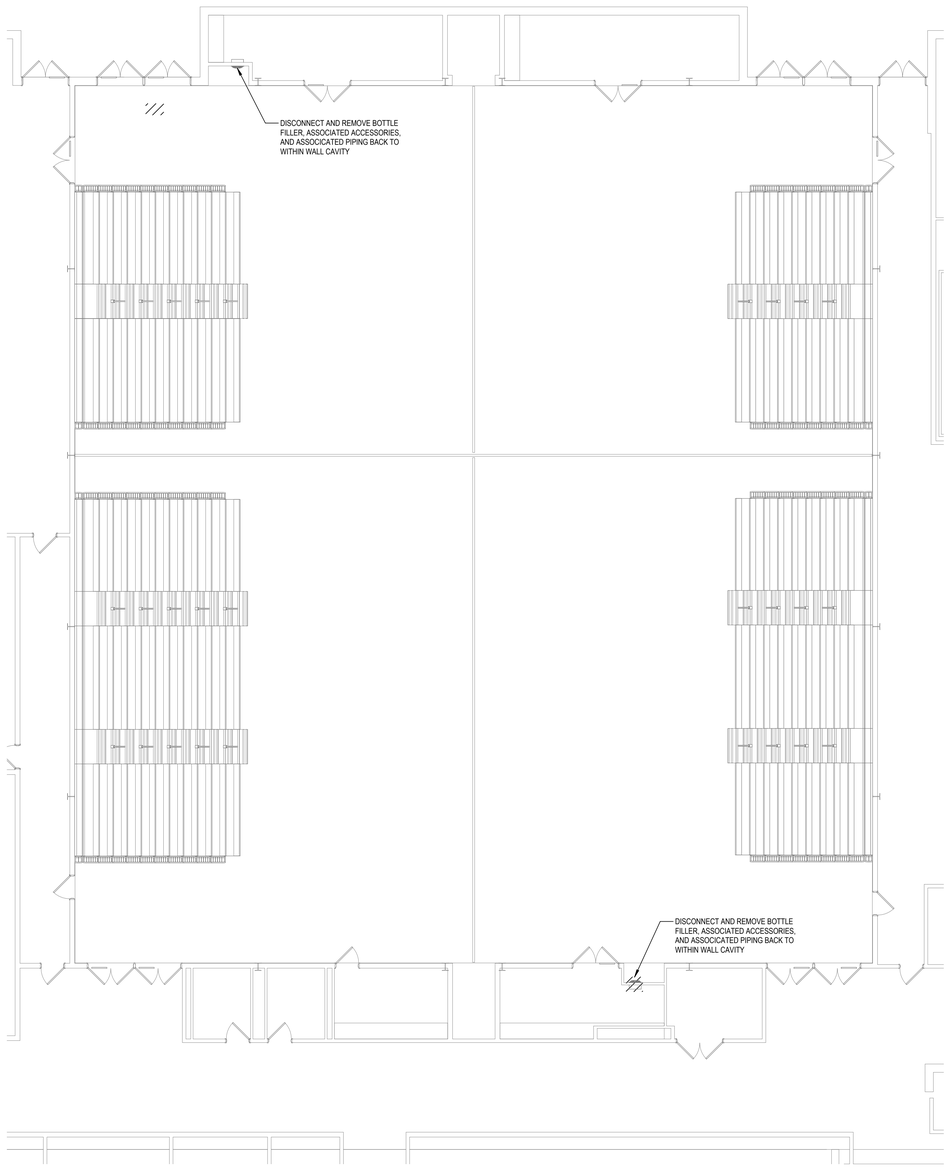
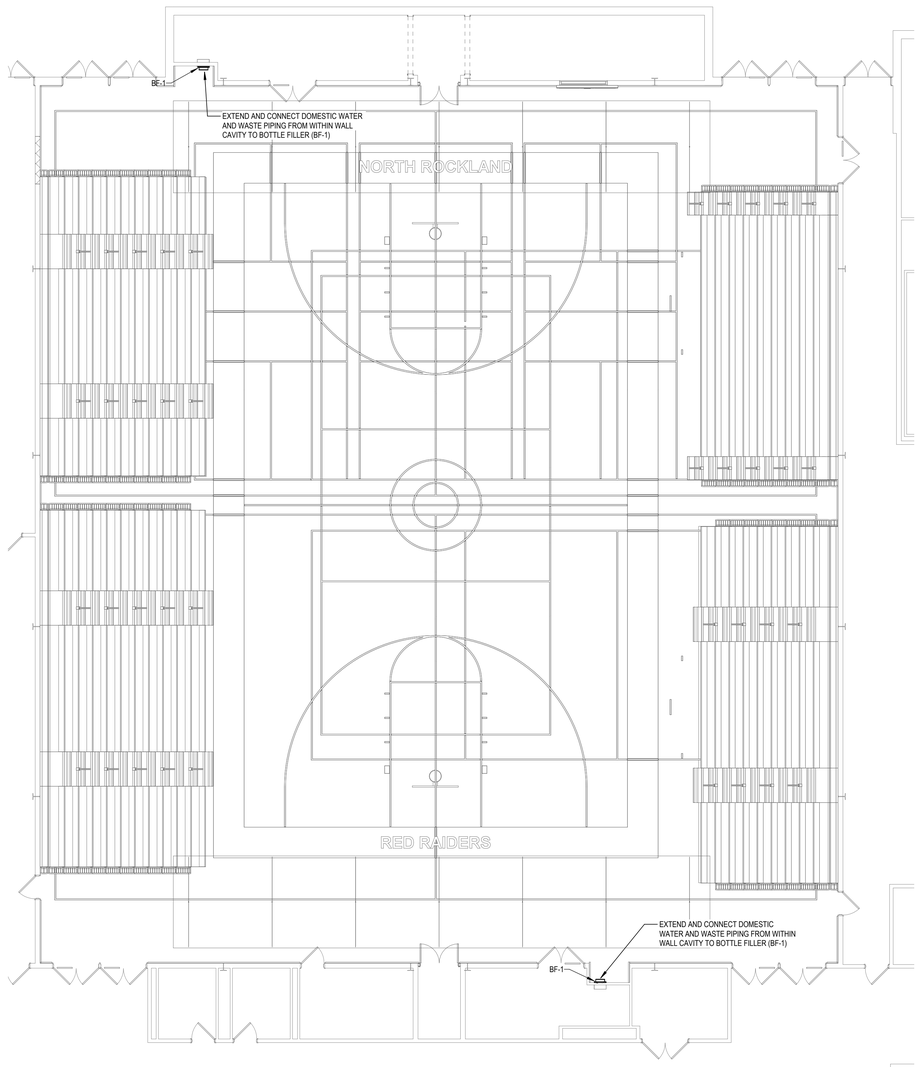


B17 ENLARGED PLUMBING REMOVALS PLAN
1/8" = 1'-0"



B9 ENLARED PLUMBING INSTALLATION PLAN
1/8" = 1'-0"

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REGISTRATION EXPIRES: 11/30/2026

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Thiells, NY 10984

SED PROJECT NUMBER

SED# 50-02-01-06-0-016-040

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

DRAWN BY: jfuller
CHECKED BY: jfuller
C:\Users\jfuller\Documents\4306 North Rockland - HS - Plum_R23_JFuller.rvt
2/17/2026 3:41:43 PM

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