NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

NORTH ROCKLAND HIGH SCHOOL
106 Hammond Road
Thiells, NY 10984

HIGH SCHOOL: SED# 50-02-01-06-0-016-035
PRESS BOX (DEMO): SED# 50-02-01-06-7-026-001
CONCESSIONS-PRESS BOX (NEW): SED# 50-02-01-06-7-079-001
FIELDHOUSE: SED# 50-02-01-06-7-008-001

OWNER:
NORTH ROCKLAND CENTRAL SCHOOL DISTRICT
65 CHAPEL STREET
GARNERVILLE, NY 10923

ARCHITECT:
MICHAEL SHILALE ARCHITECTS, LLP
140 Park Avenue
New City, NY 10956

MEP ENGINEER:
GREENMAN-PEDERSEN, INC.
2 Executive Boulevard, Suite 202,
Suffern, NY 10901

LANDSCAPE ARCHITECT:
THE LA GROUP
179 Graham Road
Ithaca, NY 14850

LIST OF DRAWINGS

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A-000	COVER SHEET	01-27-23
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E-120	WEIGHT ROOM ELECTRICAL FLOOR PLANS	01-27-23
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No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
2	12-09-22	SED ADDENDUM 1
1	10-28-22	BIDDING DOCUMENTS

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT TO ALTER AN ITEM IN ANY WAY.

Drawn by MAL/JR
Checked by MS/JC
Project No. 42051
Scale AS NOTED
Date 07-29-22

Mechanical & Electrical Engineer: GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1
HIGH SCHOOL: SED# 50-02-01-06-0-016-035
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FIELDHOUSE: SED# 50-02-01-06-7-008-001
106 Hammond Rd.
Thiells, NY 10984
TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

MSA
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Drawing Title: COVER SHEET

Drawing No.: A-000

CONCRETE MASONRY UNIT

BRICK

RIGID INSULATION

CONCRETE

GRAVEL OR STONE

EARTH

EIFS

ASPHALT PAVING

SAND/MORTAR/GYPSUM BOARD

STEEL

ACT

ROUGH WOOD

BRONZE

MATERIALS LEGEND

DOOR NUMBER

KEY NOTE

PARTITION TYPE

REVISION NUMBER

WINDOW TYPE

MECHANICAL EQUIPMENT

EXISTING PARTITION

EXISTING PARTITION TO BE REMOVED

NEW PARTITION (SEE PARTITION LEGEND A–101)

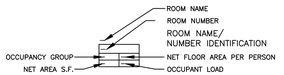
NEW DOOR

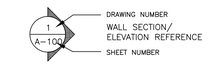
EXISTING DOOR

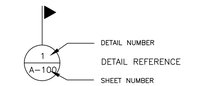
EXISTING DOOR TO BE REMOVED

EXISTING WINDOW

NEW WINDOW







1 COLUMN LINE DESIGNATION

SYMBOLS LEGEND

ACT	ACOUSTICAL CEILING TILE
A.F.F.	ABOVE FINISH FLOOR
ASPH	ASPHALT
BLK	BLOCK
BLK'G	BLOCKING
BUR	BUILT UP ROOFING
CLG	CEILING
CONC	CONCRETE
CONT	CONTINUOUS
C.J.	CONTROL JOINT
DN	DOWN
DIA	DIAMETER
DWG	DRAWING
E.F.	EACH FACE
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
E.W.	EACH WAY
E.W.C.	ELECTRICAL WATER COOLER
EL	ELEVATION
ELC	ELECTRICAL CONTRACTOR
EXIST	EXISTING
EXP	EXPANSION
EXT'G	EXISTING
EXTR	EXTERIOR
FP	FIREPROOF
FIN.	FINISH(ED)
GA	GAUGE
GC	GENERAL CONTRACTOR
GALV	GALVANIZED
GL	GLASS
GWB	GYPSUM WALL BOARD
HM	HOLLOW METAL
H.P.	HIGH POINT
HAC	HEATING & A/C CONTRACTOR
ITR	INDIVIDUAL TREATMENT ROOM
JT	JOINT
LAM	LAMINATE
LAV	LAVATORY
LP	LOW POINT
MAX	MAXIMUM
MFR	MANUFACTURER
MTL	METAL
MIN	MINIMUM
MO	MASONRY OPENING
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
OC	ON CENTER
OPN'G	OPENING
PBC	PLUMBING CONTRACTOR
PLAS.LAM.	PLASTIC LAMINATE
PL	PLATE
PLY'D	PLYWOOD
RAD	RADIUS
REF.CLG.	REFLECTED CEILING
REQ'D	REQUIRED
RO	ROUGH OPENING
SIM	SIMILAR
STL	STEEL
SUSP.CLG.	SUSPENDED CEILING
T.O.M.	TOP OF MASONRY
T.O.S.	TOP OF STEEL
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
V.I.F.	VERIFY IN FIELD
VCT	VINYL COMPOSITE TILE
W/	WITH
WD	WOOD

ABBREVIATIONS

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

No.	Date	Revisions
4	01–27–23	REVISIONS
3	01–12–23	SED ADDENDUM 2
1	10–28–22	BIDDING DOCUMENTS

Drawn by MAL/JR
Checked by MS/JC
Project No. 42051
Scale AS NOTED
Date 08–30–22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901

Mechanical & Electrical Engineer:

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL
PROJECTS – PHASE 1

HIGH SCHOOL: SBL# 60-02-01-06-4-016-025
PRESS BOX (DEMO): SBL# 60-02-01-06-7-035-001
CONCESSIONS-PRESS BOX (NEW): SBL# 60-02-01-06-7-079-001
FIELDHOUSE: SBL# 60-02-01-06-7-006-001

106 Beaumont Rd.
Thiells, NY 10984

TOWN OF ORANGETOWN
COUNTY OF ROCKLAND

1. G.C. TO VERIFY ALL DIMENSIONS IN THE FIELD AND IS TO NOTIFY ARCHITECT IF THERE ARE ANY DISCREPANCIES

GENERAL NOTES

UNIT PRICE NO. 01: REMOVAL OF ROCK PER CY (ATHLETIC FIELD/SITEWORK).

UNIT PRICE NO. 10: REMOVAL OF ROCK PER CY (CONCESSION/PRESS BOX).

UNIT PRICE NO. 41: PROVIDE A PRICE TO ADD OR REDUCE ROOF SHEATHING REPLACEMENT AMOUNT. ADD/REDUCE BY 32 SF.

UNIT PRICES

ALT. NO. 01: VOID

ALT. NO. 02: IN PLACE OF GRASS SEED PROVIDE SOD.

ALT. NO. 03: SHOT PUT – 2ND STATION.

ALT. NO. 04: TRACK SURFACE COLOR ACCENT.

ALT. NO. 05: TURF INFILL (SUSTAINABLE).

ALT. NO. 06: PROVIDE 16 VIP BUCKET SEATS WITH 2 ADDITIONAL FOR ATTIC STOCK FOR THE VIP SEATING AREA.

ALT. NO. 07: CULVERT REPLACEMENT

ALT. NO. 20: REMOVE AND REPLACE SPORTS FLOOR.

ALT. NO. 21: MASONRY CLEANING FULL NORTH/EAST SIDE OF ANNEX.

ALT. NO. 30: REMOVE AND REPLACE UNIT H1.

ALT. NO. 31: REMOVE AND REPLACE UNIT K1.

ALT. NO. 40: NEW METAL ROOFING INSTEAD OF NEW ASPHALT SHINGLES.

ALTERNATES

ALLOWANCE NO. 1: SITE CONTRACTOR TESTING.

ALLOWANCE NO. 2: GENERAL CONTRACTOR TESTING.

ALLOWANCE NO. 3: MECHANICAL TESTING.

ALLOWANCE NO. 4: PLUMBING TESTING.

ALLOWANCE NO. 5: ELECTRICAL TESTING.

ALLOWANCE NO. 6: ABATEMENT FOR WEIGHT ROOM & FIELDHOUSE.

ALLOWANCE NO. 20: MASONRY CLEANING AND RAKE & REPOINTING FOR WEIGHT–LOCKER EXTERIOR (750 SF). SEE DRAWING A–220.

ALLOWANCE NO. 30: CONTRACTOR SHALL INCLUDE ALLOWANCE TO CLEAN 20 LF OF EXISTING DUCTWORK PER UNIT.

ALLOWANCE NO. 31: PERFORM COMMISSIONING OF INSTALLED AIR HANDLING EQUIPMENT FOR ALL UNITS.

ALLOWANCE NO. 40: RAKE AND REPOINT EXT'G MASONRY FOR FIELDHOUSE EXTERIOR (500 SF).

ALLOWANCE NO. 41: ALLOWANCE FOR 320 SF OF ROOF SHEATHING REPLACEMENT FOR FIELDHOUSE.

ALLOWANCE NO. 42: 200 SF OF FOUNDATION BLOCK REPAIR.

ALLOWANCES

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LEGENDS, NOTES, UNIT PRICES, ALTS. & ALLOWANCES

Drawing No. A-001

2020 NEW YORK STATE BUILDING CODE

BUILDING CODE SUMMARY

Owner:	North Rockland High School	Date:	7/29/2022
Project Name:	Concessions / Press Box at North Rockland High School	Location:	Rockland County
Project Number:	42051	Architect of Record	MSA
Project Address:	106 Hammond Road, Thiells NY 10984		

APPLICABLE ORDINANCES, CODES & STANDARD

Building Code	2020 Building Code of New York State
Fire/Life Safety	2020 Fire Code of New York State
Accessible Code	ICC/ANSI A117.1 -2009
Energy Code	2020 Energy Conservation Construction Code of New York State
Plumbing Code	2020 Plumbing Code of New York State
Electric Code	National Electrical Code (NFPA 70) 2017
Mechanical	2020 Mechanical Code of New York State

CHAPTER 3: OCCUPANCY CLASSIFICATION AND USE

Section 303	ASSEMBLY GROUP A-5 (BLEACHERS)
303.6	Group A-5 occupancy includes assembly uses intended for participation in or viewing outdoor activities including, but not limited to: Amusement park structures, Bleachers, Grandstands, Stadiums
Section 309.1	Mercantile group M occupancy includes the use of building for the display and sale of marchandise, stocks of goods, but not limited to: department store, drug store, markets retail or wholeslae stores, sales rooms.
Section 311.3	Low-hazard Storage group S-2 occupancy includes the use of building for storage of noncombustable materials such as products on wood pallets or in paper cartons; or in paper wrappings. Group S-2 storage uses shall include, but not limited to the following: beverages, dairy products, food products, frozen meats, glass bottles and other.
Section 312.1	Utility group U occupancy includes miscellaneous structures, but not limited to the following: carports, communication equipment structures, private garages, sheds, tanks, towers.

CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS

Section 504	BUILDING HEIGHT AND NUMBER OF STORIES		
Table 504.3	Allowable Building Height In Feet Above Grade Plane	Allowable:	Proposed:
	Use Group A, NS, Type IIB Construction	55 Feet	22.5 Feet
Table 504.4	Allowable Number of Stories Above Grade Plane	Allowable:	Proposed:
	Use Group A-5, NS, Type IIB Construction	Unlimited	2
Section 506	BUILDING AREA		
Table 506.2	Allowable Area Factor	Allowable:	Proposed:
	Use Group A-5, NS, Type IIB Construction	Unlimited	-

CHAPTER 6: TYPES OF CONSTRUCTION

Section 601	**Construction Classification IIB**		
Table 601	Fire Resistance Rating Requirements for Building Elements		
	Building Element	Req'd Rating	Remarks
	Structural Frame	0	
	Bearing Walls Exterior	0	
	Bearing Walls Interior	0	
	Non Bearing Exterior Walls and Partitions	See Table 602	
	Non Bearing Interior Walls and Partitions	0	
	Floor Construction-incl beams and joists	0	
	Roof Construction-incl beams and joists	0	
Section 602	CONSTRUCTION CLASSIFICATION		
Table 602	Construction Type IIB		
	Fire-Resistance Rating Requirements for Exterior Walls Based on Fire Separation Distance		
	Fire Separation Distance / Type of Construction / Occupancy / Req'd Rating		
	x>30 / All / A / 0		

CHAPTER 7: FIRE RESISTANCE RATED CONSTRUCTION

Section 705	Exterior Walls		
705.8	Openings in exterior walls shall comply with sections 705.8.1 thru 705.8.6		
Table 705.8	Degree of Opening Protection	Fire Separation Distance (feet)	Max % Allowed/Provided
	Unprotected, Nonsprinklered (UP, NS)	>30	no limit

CHAPTER 9: FIRE PROTECTION AND LIFE SAFETY SYSTEMS

Section 906	PORTABLE FIRE EXTINGUISHERS
906.1 Where required - Portable fire extinguishers shall be installed in all of the following locations: 1) In Group A, B, E, F, H, I, M, R-1, R-2, R-4, and S occupancies	
906.2 General requirements - Portable fire extinguishers shall be installed in accordance with this section and NFPA 10.	
906.5 Conspicuous location. - Portable fire extinguishers shall be located in conspicuous locations where they will have ready access and be immediately available for use. These locations shall be along normal paths of travel, unless the fire code official determines that the hazard posed indicates the need for placement away from normal paths of travel.	
Section 907	FIRE ALARM & DETECTION SYSTEM
907.2.1 Group A	A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies where the occupant load due to the assembly occupancy is 300 or more, or where the Group A occupant load is more than 100 persons above or below the lowest level of exit discharge. Group A occupancies not separated from one another in accordance with Section 707.3.10 shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

CHAPTER 10: MEANS OF EGRESS

Section 1004	OCCUPANT LOAD				
Table 1004.5	Max Floor Area Allowances per Occupant				
	Function of Space	Area in Sq Ft	Occupant Load Factor	Occupant Load	
Terrace	Assembly (standing space)	1,216	5	244	
Press Box	Concentrated Business Use	263	15	18	
Snack Bar	Mercantile	667	60	12	
Storage	Storage	451	300	2	
			Total Occupant Load	276	
1004.8 Concentrated Business Use Areas	The occupant load factor for concentrated business use shall be applied to telephone call centers, trading floors, electronic data processing centers and similar business use areas with a higher density of occupants than would normally be expected in a typical business occupancy environment. Where approved by the building official, the occupant load for concentrated business use areas shall be the actual occupant load, but not less than one occupant per 500 square feet of gross occupiable floor space.				

1005 Means of Egress Sizing

Floor	No. of Occ	Stairs: No. of Stairs Provided	Actual Width	Units Per Inch *1	Max Cap
Second Floor		2	48	0.3	320

		Ramps: No. of Ramps Provided	Actual Width	Units Per Inch *2	Max Cap	
		1	60	0.2	300	
Snack Bar and Storage	243	total maximum capacity			620	243<540

***1 - 1005.3.1 Stairways** - The capacity, in inches, of means of egress stairways shall be calculated by multiplying the occupant load served by such stairways by a means of egress capacity factor of 0.3 inch per occupant. Where stairways serve more than one story, only the occupant load of each story considered individually shall be used in calculating the required capacity of the stairways serving that story.

***2 - 1005.3.2 Other egress components** - The capacity, in inches, of means of egress components other than stairways shall be calculated by multiplying the occupant load served by such component by a means of egress capacity factor of 0.2 inch per occupant

1005.5 Distribution of minimum width and required capacity - Where more than one exit, or access to more than one exit, is required, the means of egress shall be configured such that the loss of any one exit, or access to one exit, shall not reduce the available capacity or width to less than 50 percent of the required capacity or width.

Section 1006	NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
1006.2.1 Egress based on occupant load and common path of egress travel distance.	Two exits or exit access doorways from any space shall be provided where the design occupant load or the common path of egress travel distance exceeds the values listed in Table 1006.2.1.

Table 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS	Occupancy	Max Occ Load	Max Common Path of Egress Travel Distance (ft): W/O Sprinkler System - Occ Load (OL) OL<=30	W/O Sprinkler System - Occ Load (OL) OL>30	With Sprinkler Sys
	A	49	100	75	75

Section 1006	NUMBER OF EXITS AND EXIT ACCESS DOORWAYS
1006.3.2 Egress Based on Occupant Load	Each story and occupied roof shall have the minimum number of separate and distinct exits, or access to exits, as specified in Table 1006.3.2. A single exit or access to a single exit shall be permitted in accordance with Section 1006.3.3. The required number of exits, or exit access stairways or ramps providing access to exits, from any story or occupied roof shall be maintained until arrival at the exit discharge or a public way.

Table 1006.3.2 Minimum Number of Exits or Access to	Occupant Load per Story	Minimum Number of Exits or Access to Exits
	1-500	2
	501-1000	3
	More Than 1000	4

Section 1009	ACCESSIBLE MEANS OF EGRESS
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.	
1009.3 Stairways	In order to be considered part of an accessible means of egress, a stairway between stories shall have a clear width of 48 inches (1219 mm) minimum between handrails and shall either incorporate an area of refuge within an enlarged floor-level landing or shall be accessed from an area of refuge complying with Section 1009.6. Exit access stairways that connect levels in the same story are not permitted as part of an accessible means of egress.
1009.3.3 Area of refuge.	Stairways shall either incorporate an area of refuge within an enlarge floor-level landing or shall be accessed from an area of refuge complying with section 1009.6

Section 1010	DOORS, GATES AND TURNSTILES		
1010.1.1	Size of Doors	Clear width minimum 32 inches	
1010.1.2.1	Direction of Swing	Direction of egress travel where serving a room containing an occupant load of 50 or more.	
1010.1.10	Panic and Fire Exit Hardware	Not Required	

SECTION 1017	EXIT ACCESS TRAVEL DISTANCE		
Table 1017.2 Exit Access Travel Distance	Occupancy	without sprinkler (ft)	with sprinkler
	A	200	250

CHAPTER 11: ACCESSIBLITY

SECTION 1102	COMPLIANCE
102.1 Design	Buildings and facilities shall be designed and constructed to be accessible in accordance with this code and ICC A117.1.
SECTION 1103	SCOPING REQUIREMENTS
1103.1 Where required.	Sites, buildings, structures, facilities, elements and spaces, temporary or permanent, shall be accessible to individuals with disabilities.
SECTION 1104	ACCESSIBLE ROUTE
1104.1 Site arrival points	At least one accessible route within the site shall be provided from public transportation stops, accessible parking, accessible passenger loading zones, and public streets or sidewalks to the accessible build-ing entrance served.
1104.2 Within a site	At least one accessible route shall connect accessible buildings, accessible facilities, accessible ele-ments and accessible spaces that are on the same site.

CHAPTER 29: PLUMBING FACILITIES

SECTION 2902	MINIMUM PLUMBING FACILITIES
2902.3.3 Location of Toilet Facilities in Occupancies Other than Malls	In occupancies other than covered and open mall buildings, the required public and employee toilet facilities shall be located not more than one story above or below the space required to be provided with toilet facilities, and the path of travel to such facilities shall not exceed a distance of 500 feet (152 m).

2020 FIRE CODE OF NEW YORK STATE

CHAPTER 5: FIRE SERVICE FEATURES

SECTION 503	FIRE APPARATUS ACCESS ROADS		
503.1.1 Buildings and Facilities	Approved fire apparatus access roads shall be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility.		
	Distance from Press Box to Fire Access Road		0 LF

ADDITIONAL BUILDING NOTES

	Power, lighting and data will be provided.

2020 ENERGY CONSERVATION CODE OF NEW YORK STATE

BUILDING CODE SUMMARY

Site	North Rockland High School	Date:	8/30/2022
Project Name:	Press Box at North Rockland	Location	Rockland County
Project Number:	42051	Architect of Record	MSA
Project Address:	106 Hammond Road		

APPLICABLE ORDINANCES, CODES & STANDARD

2020	Building Code of New York State
2020	Energy Conservation Code of New York State

ENERGY CONSERVATION CODE: CHAPTER 4 COMMERCIAL ENERGY EFFICIENCY

SECTION C402	Building Envelope Requirements	
Table C402.1.3	Building Envelope Requirements - Opaque Assemblies	
	Climate Zone 5A	
	Roofs	
	Insulation entirely above roof deck	R-30ci
	Metal buildings	R-19 + R-11 LS
	Attic and other	R-38
	Walls above grade	
	Mass	R-11.4ci
	Metal building	R-13 + R-13ci
	Metal framed	R13 + 7.5ci
	Floors	
	Mass	R-10ci
	Slab on grade floors	
	Unheated slabs	R-10 for 24" below
Table C402.4	Fenestration U Factor	
	Metal framing fixed	0.3
	Metal framing operable	0.4
	Enntrance door	0.36
SECTION C403	Building Mechanical Systems	
C403.1 General	Mechanical systems and equipment serving the building heating, cooling, ventilating or refrigerating needs shall comply with this section.	
C403.1.1 Calculation of Heating and Cooling Loads (Mandatory)	Design loads associated with heating, ventilating and air conditioning of the building shall be determined in accordance with ANSI/ASHRAE/ACCA Standard 183 or by an approved equivalent computational procedure using the design parameters specified in Chapter 3. Heating and cooling loads shall be adjusted to account for load reductions that are achieved where energy recovery systems are utilized in the HVAC system in accordance with the ASHRAE HVAC Systems and Equipment Handbook by an approved equivalent computational procedure.	

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-17-23	SED ADDENDUM 2
1	10-28-22	BIDDING DOCUMENTS

Drawn by CMP | Checked by MS/JC | Project No. 42051 | Scale AS NOTED | Date 06-24-22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901

Mechanical & Electrical Engineer:

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-0-016-005
PRESS BOX (DEMO): SBL# 50-02-01-06-7-035-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
FIELDHOUSE: SBL# 50-02-01-06-7-006-001

106 Hammond Rd.
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COUNTY OF ROCKLAND

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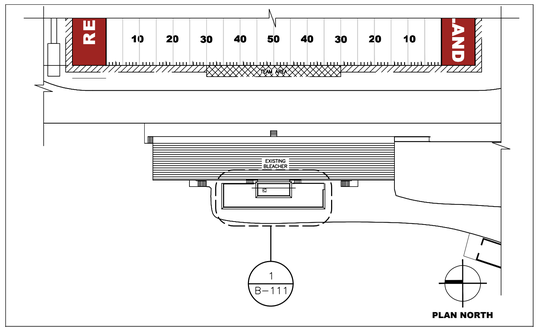
Drawing Title
CONCESSIONS/PRESS BOX CODE ANALYSIS

Drawing No.
B-110



KEY PLAN

EXIT CAPACITY

SPACE	NO. OF OCCUPANTS	STAIR NO.	STAIR ACTUAL WIDTH	STAIR UNITS PER INCH	STAIR MAX. CAP.	STAIR DOOR AND COMPONENTS NO.	STAIR DOOR AND COMPONENTS ACTUAL WIDTH	STAIR DOOR AND COMPONENTS UNITS PER INCH	STAIR DOOR AND COMPONENTS MAX. CAP.	EXIT AT GRADE NO.	EXIT AT GRADE ACTUAL WIDTH	EXIT AT GRADE UNITS PER INCH	EXIT AT GRADE MAX. CAP.
SNACK BAR	12	–	–	–	–	–	–	–	–	–	36	.20	180
STORAGE	2	–	–	–	–	–	–	–	–	–	60	.20	300
		TOTAL MAX. CAP.			–	TOTAL MAX. CAP.			–	TOTAL MAX. CAP.			–
										TOTAL EXIT CAPACITY ON FLOOR			–

MAXIMUM TRAVEL DISTANCE TO EXIT FIRST FLOOR	22'-7"

EGRESS CALCULATIONS

Interior Fire Resistant Rated Walls
- 1 hr
- 2 hrs
- Travel Path

Space Designations
- OFFICE — Room Name
- 0122 — Room Number
- L 120 — Occupancy Group / Gross Floor Area (SF)
- 120|12 — Net Floor Area (SF)/ Occupant Load

- Emergency Light
- Exit Sign
- Directional Exit Sign
- Water Fountains
- Fire Extinguisher

NOTES:
1. All doors in fire resistant rated walls are fire resistant self-closing type.

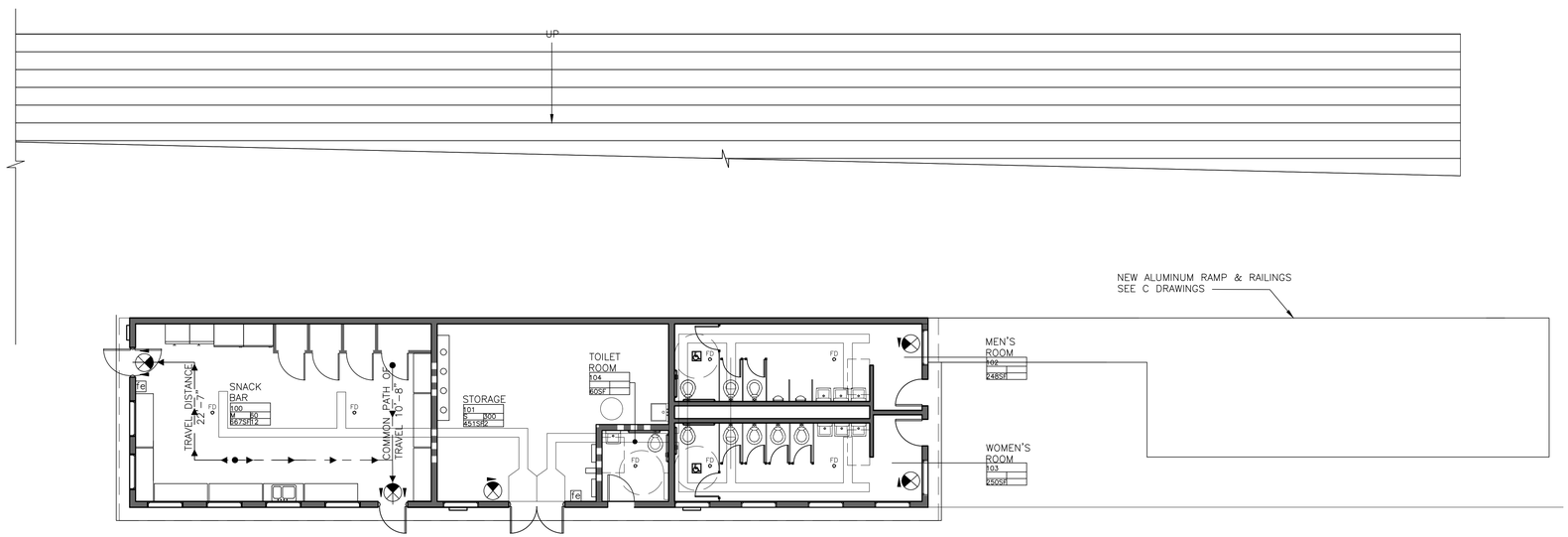
LEGEND

2020 NEW YORK STATE BUILDING CODE

PROJECT/BUILDING INFORMATION

UNIT SQUARE FOOTAGE: 1st-1920 GSF, 2nd-324 GSF
BUILDING IS NOT SPRINKLERED
BUILDING HAS 2 FLOORS - FIRST, SECOND

CODE	NEW YORK STATE (2020 IBC AND IEBC)	CODE SECTION REFERENCE	OTHER	ACTUAL/REMARKS
OCCUPANCY	A-5 M S-2 U	303.6 309.1 311.1 312.1		
CONSTRUCTION TYPE	IIB	Chapter 6: Types of Construction		IIB
MAX. TRAVEL DISTANCE	A without sprinker 200' max M, S-2 without sprinkler 300' max U without sprinkler 300' max	1017.2		22'-7" (Complies)
COMMON PATH OF TRAVEL	A, M without sprinker 75' max S, U without sprinker OL < 30, 100' max	1006.2.1		10'-8" (Complies)
REMOTENESS OF EXITS	No less than 1/2 of building diagonal	1007.1.1		33'-5" (Complies)
REQUIRED # OF EXITS	A single exit is permitted to for spaces complying with Section 1006.2.1 with exits that discharge directly to the exterior	1006.3.3.2		Assemb. 3 Provided Concess. 2 Provided Storage 1 Provided Press B. 2 Provided (Complies)
MINIMUM CLEAR OPENING WIDTH	32" minimum	1010.1.1		Existing to remain 36" minimum (Complies)
REQUIRED CAPACITY BASED ON OCCUPANT LOAD OTHER	.2" per Occ X 276 Occ = 55.2" min	1005.3.2		1 Ramp at 60" (Complies)
OCCUPANT LOAD	Assem. Stand. 5 GSF per Assem. Uncn. 15 GSF per Mercantile 60 GSF per Storage 300 GSF per	1004.5		Mercantile 12 Storage 2
2020 SED MANUAL OF PLANNING STANDARDS				
CONCESSION STAND TRAVEL DISTANCE	One exit is allowed if the maximum travel distance is 25 feet or less.	C005.c.		2 exits are provided in Snack Bar



NOTE: FOR INTERIOR ELEVATIONS, COMPARTMENT DIMENSIONS, AND FOR ACCESSORIES AND ADA MOUNTING HEIGHTS, SEE DRAWINGS A-612 AND A-613.

PROVIDE DOOR SIGNAGE ON ALL INDICATING ROOM USAGE AND ACCESSIBLE TOILET ROOM WITH ACCESSIBLE SYMBOL. GENERAL CONTRACTOR TO SUBMIT SHOP DRAWING FOR APPROVAL.

EMERGENCY LIGHTS WILL BE VIA INTERNAL BATTERY PACKS. SEE DRAWING E-110 FOR LOCATIONS.

PLAN NORTH

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

0 1/2 1
IF THIS BAR DOES NOT MEASURE 1, THEN DRAWING IS NOT TO FULL SCALE

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-17-23	SED ADDENDUM 2
2	12-09-22	SED ADDENDUM 1
1	10-28-22	BIDDING DOCUMENTS

Drawn by SP
Checked by MS/JC
Project No. 42051
Scale AS NOTED
Date 08-30-22

Mechanical & Electrical Engineer: GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901
Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL: SBL# 69-02-01-06-4-016.026
PRESS BOX (DEMO): SBL# 50-02-01-06-7-409-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-409-001
FIELDHOUSE: SBL# 50-02-01-06-7-006-001

106 Hammond Rd.
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COUNTY OF ROCKLAND

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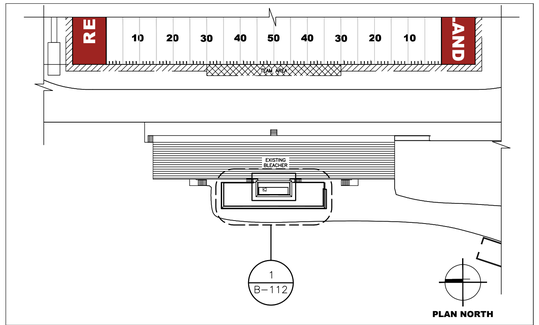
Drawing Title: CONCESSION/ PB 1ST FLOOR EGRESS PLAN
Drawing No. B-111



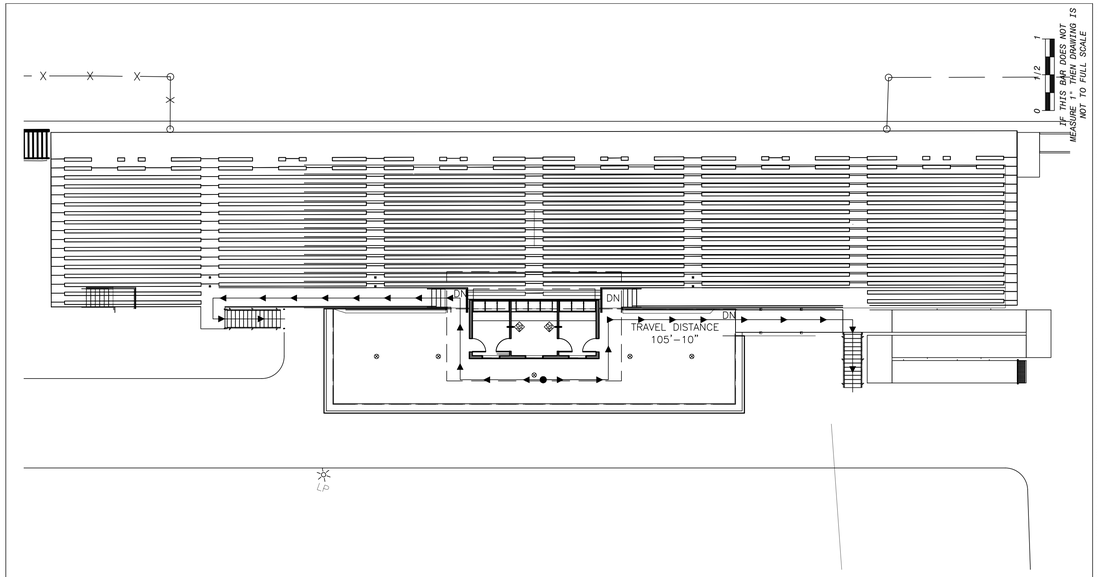
KEY PLAN

EXIT CAPACITY

SPACE	NO. OF OCCUPANTS	STAIR				STAIR DOOR AND COMPONENTS				EXIT AT GRADE			
		NO.	ACTUAL WIDTH	UNITS PER INCH	MAX. CAP.	NO.	ACTUAL WIDTH	UNITS PER INCH	MAX. CAP.	NO.	ACTUAL WIDTH	UNITS PER INCH	MAX. CAP.
CONCENTRATED BUSINESS	19	–	–	–	–	–	–	–	–	–	36	.20	180
ASSEMBLY (STANDING)	244	–	–	–	–	–	–	–	–	–	48	.30	300
		–	–	–	–	–	–	–	–	–	60	.20	300
		TOTAL MAX. CAP.			–	TOTAL MAX. CAP.			–	TOTAL MAX. CAP.			–
										TOTAL EXIT CAPACITY ON FLOOR			–

MAXIMUM TRAVEL DISTANCE TO EXIT FIRST FLOOR	45'-6"

EGRESS CALCULATIONS



2 SITE EGRESS PLAN

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

Interior Fire Resistant Rated Walls

1 hr

2 hrs

Travel Path

Space Designations

OFFICE — Room Name
O122 — Room Number
F 1320 — Occupancy Group / Gross Floor Area (SF)
120|12 — Net Floor Area (SF)/ Occupant Load

Emergency Light

Exit Sign

Directional Exit Sign

Water Fountains

fe — Fire Extinguisher

NOTES:
1. All doors in fire resistant rated walls are fire resistant self-closing type.

LEGEND

2020 NEW YORK STATE BUILDING CODE

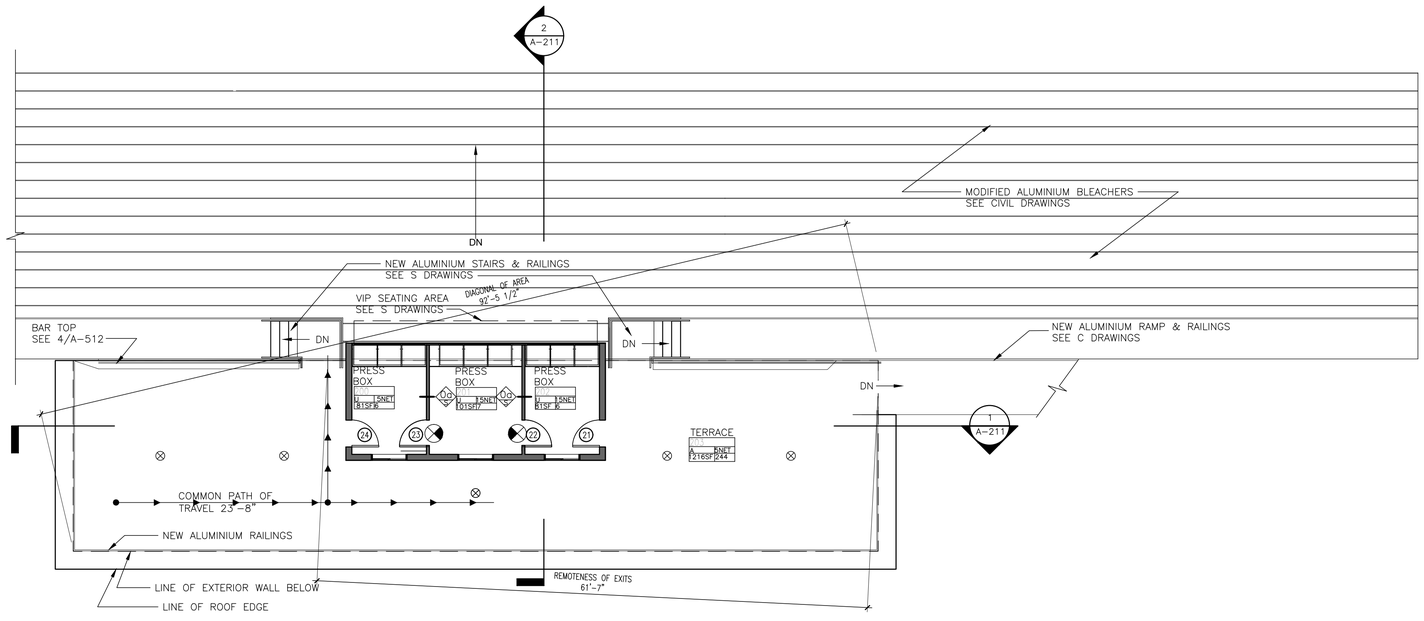
PROJECT/BUILDING INFORMATION

UNIT SQUARE FOOTAGE: 1st-1920 GSF, 2nd-324 GSF

BUILDING IS NOT SPRINKLERED

BUILDING HAS 2 FLOORS - FIRST, SECOND

CODE	NEW YORK STATE (2015 IBC AND IEBC)	CODE SECTION REFERENCE	OTHER	ACTUAL/REMARKS
OCCUPANCY	A-5 M S-2 U	303.6 309.1 311.1 312.1		
CONSTRUCTION TYPE	IIB	Chapter 6: Types of Construction		IIB
MAX. TRAVEL DISTANCE	A without sprinker 200' max M, S-2 without sprinkler 300' max U without sprinkler 300' max	1017.2		105'-10" (Complies)
COMMON PATH OF TRAVEL	A, M without sprinker 75' max S, U without sprinker OL < 30, 100' max	1006.2.1		23'-8" (Complies)
REMOTENESS OF EXITS	No less than 1/2 of building diagonal	1007.1.1		61'-7" (Complies)
REQUIRED # OF EXITS	A single exit is permitted to for spaces complying with Section 1006.2.1 with exits that discharge directly to the exterior	1006.3.3.2		Assemb. 3 Provided Concess. 2 Provided Storage 1 Provided Press B. 2 Provided (Complies)
MINIMUM CLEAR OPENING WIDTH	32" minimum	1010.1.1		Existing to remain 36" minimum (Complies)
REQUIRED CAPACITY BASED ON OCCUPANT LOAD STAIRWAYS	.3" per Occ X 263 Occ = 78.9" min	1005.3.1		2 Stairs at 48" each (Complies)
REQUIRED CAPACITY BASED ON OCCUPANT LOAD OTHER	.2" per Occ X 263 Occ = 52.6" min	1005.3.2		1 Ramp at 60" (Complies)
OCCUPANT LOAD	Assem. Stand. 5 GSF per Assem. Uncn. 15 GSF per Mercantile 60 GSF per Storage 300 GSF per	1004.5		Assem. Stand. 244 Assem. Uncon. 18 Total Occ. Load 276



1 SECOND FLOOR EGRESS PLAN

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

PLAN NORTH

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
1	10-28-22	BIDDING DOCUMENTS

Drawn by SP
Checked by MS/JC
Project No. 42051
Scale AS NOTED
Date 07-29-22

Mechanical & Electrical Engineer: GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901

Structural Engineer: - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-0-016-005
PRESS BOX (DEMO): SBL# 50-02-01-06-7-035-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
FIELDHOUSE: SBL# 50-02-01-06-7-030-001
190 Blue Hill Plaza, Pearl River, NY 10965
Tilcon, NY 10984

COUNTY OF ROCKLAND

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Drawing Title: CONCESSION/ PRESSBOX 2ND FLOOR PLAN

Drawing No. B-112

2020 EXISTING BUILDING CODE OF NEW YORK STATE

BUILDING CODE SUMMARY			
Site	North Rockland High School	Date:	7/8/2022
Project Name:	Weight/Locker Room at North Rockland High School	Location	Rockland County
Project Number:	42051	Architect of Record	MSA
Project Address:	106 Hammond Road Thiells, NY 10984		

APPLICABLE ORDINANCES, CODES & STANDARD	
2020	Existing Building Code of New York State
2020	Building Code of New York State

EXISTING BUILDING CODE: CHAPTER 1 SCOPE AND ADMINISTRATION	
SECTION 101	GENERAL
101.2 Scope	The provisions of this code shall apply to the repair, alteration, change of occupancy, addition to and relocation of existing buildings.
101.4 Applicability	This code shall apply to the repair, alteration, change of occupancy, addition and relocation of existing buildings, regardless of occupancy, subject to the criteria of Sections 101.4.1 and 101.4.2.
101..4.2 Buildings Previously Occupied	The legal occupancy of any building existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, the Fire Code of New York State, or the Property Maintenance Code of New York State, or as is deemed necessary by the building official for the general safety and welfare of the occupants and the public.

EXISTING BUILDING CODE: CHAPTER 2 DEFINITIONS	
SECTION 202	GENERAL DEFINITIONS
EQUIPMENT OR FIXTURE	Any plumbing, heating, electrical, ventilating, air conditioning, refrigerating, and fire protection equipment, and elevators, dumbwaiters, escalators, boilers, pressure vessels and other mechanical facilities or installations that are related to building services. Equipment or fixture shall not include manufacturing, production, or process equipment, but shall include connections from building service to process equipment.

EXISTING BUILDING CODE: CHAPTER 3 PROVISIONS FOR ALL COMPLIANCE METHODS	
SECTION 301	ADMINISTRATION
301.3.2 Work Area Compliance Method	Alterations, additions and changes of occupancy complying with the applicable requirements of Chapters 6 through 12 of this code shall be considered in compliance with the provisions of this code.

EXISTING BUILDING CODE: CHAPTER 6 CLASSIFICATION OF WORK	
SECTION 601	GENERAL
601.2 Work Area	The work area, as defined in Chapter 2, shall be identified on the construction documents.
SECTION 603	ALTERATION - LEVEL 2
603.1 Scope	Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment.
603.2 Application	Level 2 alterations shall comply with the provisions of Chapter 7 for Level 1and 2 alterations, respectively, as well as the provisions Chapter 9.

EXISTING BUILDING CODE: CHAPTER 8 ALTERATIONS LEVEL 2	
SECTION 801	GENERAL
801.2 Alteration Level 1 Compliance	In addition to the requirements of this chapter, all work shall comply with the requirements of Chapter 7.
SECTION 802	BUILDING ELEMENTS AND MATERIALS
801.2 Alteration Level 1 Compliance	In addition to the requirements of this chapter, all work shall comply with the requirements of Chapter 7.
SECTION 803	FIRE PROTECTION
803.1 Scope	The requirements of this section shall be limited to work areas in which Level 2 alterations are being performed, and where specified they shall apply throughout the floor on which the work areas are located or otherwise beyond the work area.
SECTION 803.4 Fire Alarm and	An approved fire alarm system shall be installed in accordance with Sections 803.4.1 through 803.4.3

SECTION 805	MEANS OF EGRESS
805.1 Scope	The requirements of this section shall be limited to work areas that include exits or corridors shared by more than one tenant within the work area in which Level 2 alterations are being performed, and where specified they shall apply throughout the floor on which the work areas are located or otherwise beyond the work area.
805.3.1 Minimum Number	Every story utilized for human occupancy on which there is a work area that includes exits or corridors shared by more than one tenant within the work area shall be provided with the minimum number of exits based on the occupancy and the occupant load in accordance with the International Building Code. In addition, the exits shall comply with Sections 805.3.1.1 and 805.3.1.2.
SECTION 806	STRUCTURAL
806.2 Existing Structural Elements Carrying Gravity Loads	Any existing gravity load-carrying structural element for which an alteration causes an increase in design dead, live or snow load, including snow drift effects, of more than 5 percent shall be replaced or altered as needed to carry the gravity loads required by the Building Code of New York State for new structures. Any existing gravity load-carrying structural element whose gravity load-carrying capacity is decreased as part of the alteration shall be shown to have the capacity to resist the applicable design dead, live and snow loads, including snow drift effects, required by the Building Code of New York State for new structures.
SECTION 807	ELECTRICAL
807.1 New Installations	Newly installed electrical equipment and wiring relating to work done in any work area shall comply with all applicable requirements of NFPA 70 except as provided for in Section 807.3.
SECTION 808	MECHANICAL
807.1 Altered Existing Systems	In mechanically ventilated spaces, existing mechanical ventilation systems that are altered, reconfigured, or extended shall provide not less than 5 cubic feet per minute (cfm) (0.0024 m3/s) per person of outdoor air and not less than 15 cfm (0.0071 m3/s) of ventilation air per person; or not less than the amount of ventilation air determined by the Indoor Air Quality Procedure of ASHRAE 62.1.

2020 ENERGY CONSERVATION CODE OF NEW YORK STATE

BUILDING CODE SUMMARY			
Site	North Rockland High School	Date:	7/8/2022
Project Name:	Weight/Locker Room at North Rockland High School	Location	Rockland County
Project Number:	42051	Architect of Record	MSA
Project Address:	106 Hammond Road Thiells, NY 10984		

APPLICABLE ORDINANCES, CODES & STANDARD	
2020	Existing Building Code of New York State
2020	Building Code of New York State
2020	Energy Conservation Code of New York State

ENERGY CONSERVATION CODE: CHAPTER 4 COMMERCIAL ENERGY EFFICIENCY			
SECTION C402	Building Envelope Requirements		
Table C402.1.3	Building Envelope Requirements - Opaque Assemblies		
	Climate Zone 5A	Walls	Average R-Value
	Mass	Above Grade	R-11.4ci
	Climate Zone 5A	Roofs	Average R-Value
	Wood Framed or Other	Insul entirely above roof deck	R-30ci
SECTION C403	Building Mechanical Systems		
C403.1 General	Mechanical systems and equipment serving the building heating, cooling, ventilating or refrigerating needs		
C403.1.1 Calculation of Heating and Cooling Loads (Mandatory)	Design loads associated with heating, ventilating and air conditioning of the building shall be determined in accordance with ANSI/ASHRAE/ACCA Standard 183 or by an approved equivalent computational procedure using the design parameters specified in Chapter 3. Heating and cooling loads shall be adjusted to account for load reductions that are achieved where energy recovery systems are utilized in the HVAC system in accordance with the ASHRAE HVAC Systems and Equipment Handbook by an approved equivalent computational procedure.		

ENERGY CONSERVATION CODE: CHAPTER 5 EXISTING BUILDING	
SECTION C503	ALTERATIONS
C503.1 General	Alterations to any building or structure shall comply with the requirements of the code for new construction. Alterations shall be such that the existing building or structure is no less conforming to the provisions of this code than the existing building or structure was prior to the alteration. Alterations to an existing building, building system or portion thereof shall conform to the provisions of this code as those provisions relate to new construction without requiring the unaltered portions of the existing building or building system to comply with this code. Alterations shall not create an unsafe or hazardous condition or overload existing building systems.
C503.4 Heating and cooling Systems	New heating, cooling and duct systems that are part of the alteration shall comply with Sections C403.

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
1	10-28-22	BIDDING DOCUMENTS

Drawn by MAL | Checked by MS/JC | Project No. 42051 | Scale AS NOTED | Date 07-29-22

Mechanical & Electrical Engineer: GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-0-016-005
PRESS BOX (DEMO): SBL# 50-02-01-06-7-009-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
FIELDHOUSE: SBL# 50-02-01-06-7-006-001

106 Hammond Rd.
Thiells, NY 10984

TOWN OF ORANGETOWN
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

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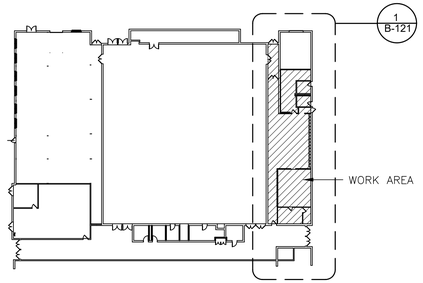
Drawing Title: **WEIGHT/LOCKER ROOM CODE ANALYSIS**

Drawing No.: **B-120**



KEY PLAN

GENERAL NOTES

Interior Fire Resistant Rated Walls

1 hr

2 hrs

Travel Path

Space Designations

OFFICE — Room Name
D122 — Room Number
E 120 — Occupancy Group / Gross Floor Area (SF)
120 | 12 — Net Floor Area (SF)/ Occupant Load

NOTES:
1. All doors in fire resistant rated walls are fire resistant self-closing type.

Emergency Light

Exit Sign

Directional Exit Sign

Water Fountains

fe — Fire Extinguisher

LEGEND

2020 NEW YORK STATE BUILDING CODE

PROJECT/BUILDING INFORMATION

UNIT SQUARE FOOTAGE: 1862 SF

BUILDING IS NOT SPRINKLERED

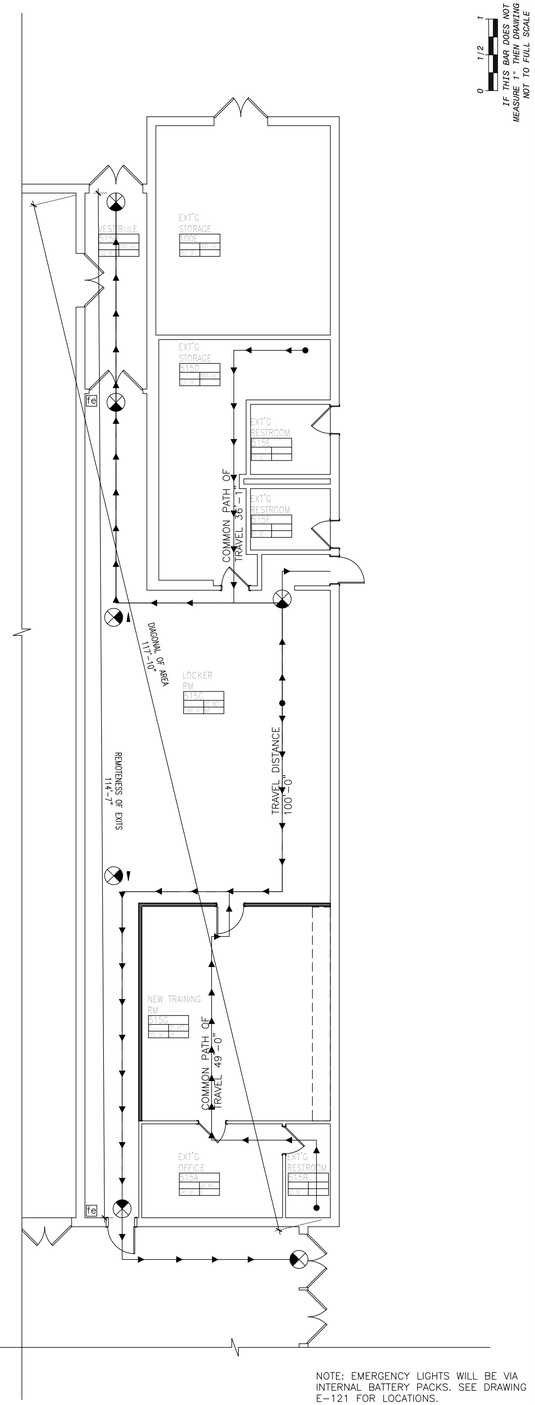
CODE	NEW YORK STATE (2015 IBC AND IEBC)	CODE SECTION REFERENCE	OTHER	ACTUAL/REMARKS
OCCUPANCY	E	3.5.1		
CONSTRUCTION TYPE	IIB	Chapter 6: Types of Construction		IIB
MAX. TRAVEL DISTANCE	E without sprinker 200' max	1017.2		100'-0" (Complies)
COMMON PATH OF TRAVEL	E occupancy 75' max	1006.2.1		49'-0" (Complies)
REMOTENESS OF EXITS	No less than 1/2 of building diagonal	1007.1.1		114'-7" (Complies)
REQUIRED # OF EXITS	1-500 Occupants Min# of Exits = 2	1006.3.2		3 Provided (Complies)
MINIMUM CLEAR OPENING WIDTH	32" minimum	1010.1.1		36" minimum opening (Complies)
REQUIRED CAPACITY BASED ON OCCUPANT LOAD OTHER	.2" per Occ X 104 Occ = 20.8" min (comply with 1010.1.1)	1005.3.2		4 - 72" openings 2 - 36" openings (Complies)
OCCUPANT LOAD	Lockers 50 GSF per Occupant Educational 20 GSF per Occupant Storage 300 GSF per Occupant	1004.5		Occ. Load 104

EXIT CAPACITY

SPACE	NO. OF OCCUPANTS	STAIR NO.	STAIR ACTUAL WIDTH	STAIR UNITS PER INCH	STAIR MAX. CAP.	STAIR DOOR AND COMPONENTS NO.	STAIR DOOR AND COMPONENTS ACTUAL WIDTH	STAIR DOOR AND COMPONENTS UNITS PER INCH	STAIR DOOR AND COMPONENTS MAX. CAP.	EXIT AT GRADE NO.	EXIT AT GRADE ACTUAL WIDTH	EXIT AT GRADE UNITS PER INCH	EXIT AT GRADE MAX. CAP.
LOCKER ROOM	28	–	–	–	–	–	–	–	–	–	36	.20	180
VESTIBULE	1	–	–	–	–	–	–	–	–	–	72	.20	360
		TOTAL MAX. CAP.			–	TOTAL MAX. CAP.			–	TOTAL MAX. CAP.			–
										TOTAL EXIT CAPACITY ON FLOOR			–

MAXIMUM TRAVEL DISTANCE TO EXIT FIRST FLOOR	100'-0"

EGRESS CALCULATIONS



NOTE: EMERGENCY LIGHTS WILL BE VIA INTERNAL BATTERY PACKS. SEE DRAWING E-121 FOR LOCATIONS.

1 LOCKER ROOM EGRESS PLAN

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

PLAN NORTH

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1, THEN DRAWING IS NOT TO FULL SCALE

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
1	10-28-22	BIDDING DOCUMENTS

Drawn by SP
Checked by MS/JC
Project No. 42051
Scale AS NOTED
Date 07-29-22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901

Mechanical & Electrical Engineer:

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-6-018-005
PRESS BOX (DEMO): SBL# 50-02-01-06-7-005-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
FIELDHOUSE: SBL# 50-02-01-06-7-006-001

100 Hammond Rd.
Thiells, NY 10984

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

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MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
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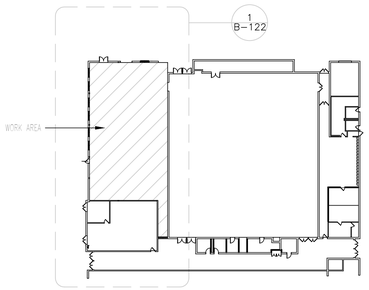
Drawing Title
LOCKER ROOM EGRESS PLAN

Drawing No.
B-121



KEY PLAN

GENERAL NOTES

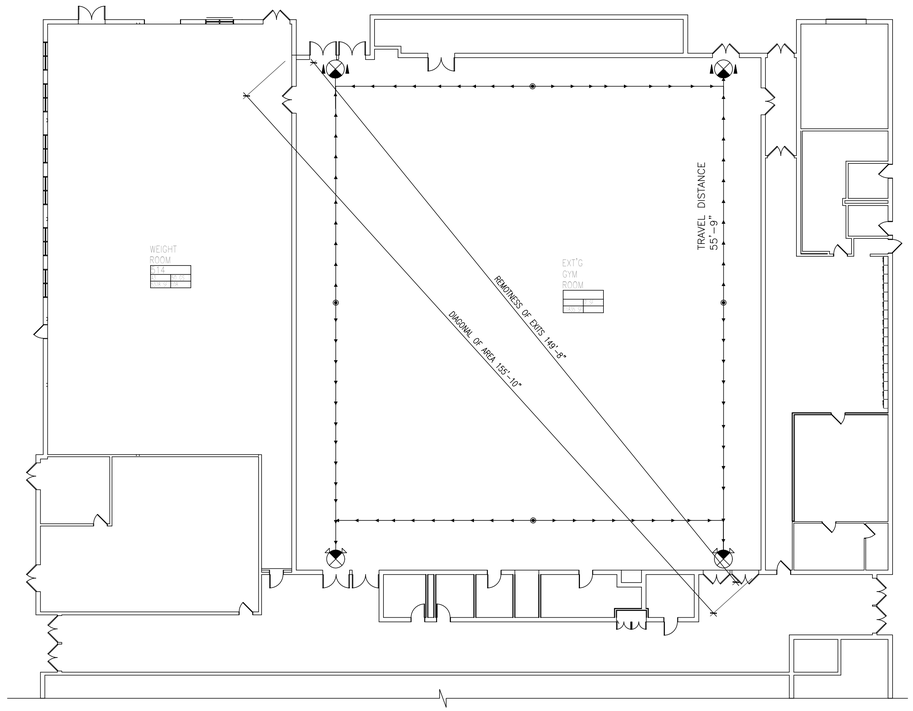
Interior Fire Resistant Rated Walls
1 hr
2 hrs
Travel Path

NOTES:
1. All doors in fire resistant rated walls are fire resistant self-closing type.

Space Designations
OFFICE — Room Name
0122 — Room Number
C 120 — Occupancy Group / Gross Floor Area (SF)
1201/2 — Net Floor Area (SF)/ Occupant Load

Emergency Light
Exit Sign
Directional Exit Sign
Water Fountains
fe — Fire Extinguisher

LEGEND



2 EXISTING GYM EGRESS PLAN
SCALE: 1/16"=1'-0"

2020 NEW YORK STATE BUILDING CODE				
PROJECT/BUILDING INFORMATION				
UNIT SQUARE FOOTAGE: 5378 SF				
BUILDING IS NOT SPRINKLERED				
CODE	NEW YORK STATE (2015 IBC AND IEBC)	CODE SECTION REFERENCE	OTHER	ACTUAL/REMARKS
OCCUPANCY	E	3.5.1		
CONSTRUCTION TYPE	IIB	Chapter 6: Types of Construction		IIB
MAX. TRAVEL DISTANCE	E without sprinker 200' max	1017.2		131'-5" (Complies)
COMMON PATH OF TRAVEL	E occupancy 75' max	1006.2.1		10'-3" (Complies)
REMOTENESS OF EXITS	No less than 1/2 of building diagonal	1007.1.1		129'-4" (Complies)
REQUIRED # OF EXITS	1-500 Occupants Min# of Exits = 2	1006.3.2		4 Provided (Complies)
MINIMUM CLEAR OPENING WIDTH	32" minimum	1010.1.1		36" minimum opening (Complies)
REQUIRED CAPACITY BASED ON OCCUPANT LOAD OTHER	.2" per Occ X 108 Occ = 21.6" min (comply with 1010.1.1)	1005.3.2		2 - 72" openings 2 - 36" openings (Complies)
OCCUPANT LOAD	Exercise Rooms 50 GSF per Occupant	1004.5		Occ. Load 108

BUILDING CODE ANALYSIS

EXIT CAPACITY – WEIGHT ROOM

SPACE	NO. OF OCCUPANTS	STAIR				STAIR DOOR AND COMPONENTS				EXIT AT GRADE			
		NO.	ACTUAL WIDTH	UNITS PER INCH	MAX. CAP.	NO.	ACTUAL WIDTH	UNITS PER INCH	MAX. CAP.	NO.	ACTUAL WIDTH	UNITS PER INCH	MAX. CAP.
WEIGHT ROOM	108	–	–	–	–	–	–	–	–	–	36	.20	180
		–	–	–	–	–	–	–	–	–	72	.20	360
		TOTAL MAX. CAP.			–	TOTAL MAX. CAP.			–	TOTAL MAX. CAP.			–
										TOTAL EXIT CAPACITY ON FLOOR			–

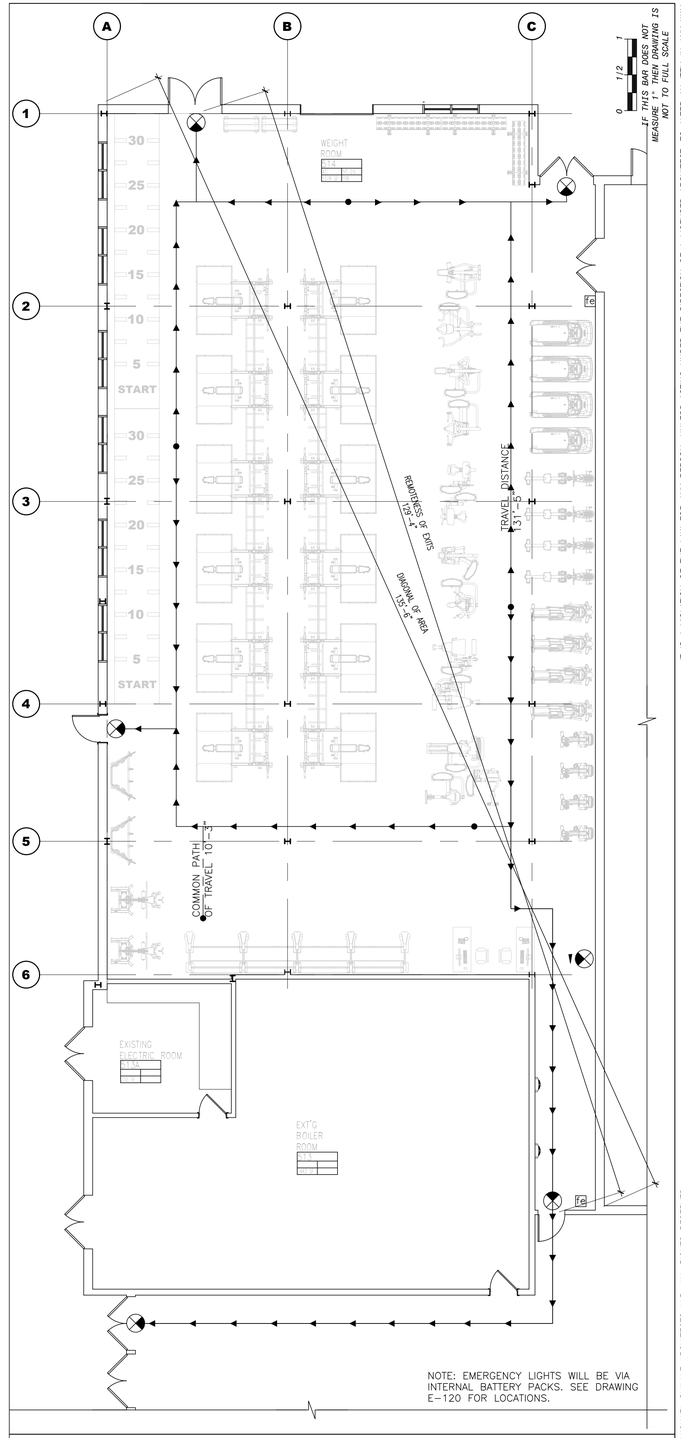
MAXIMUM TRAVEL DISTANCE TO EXIT FIRST FLOOR 131'-5"

EXIT CAPACITY – EXISTING GYM (NO EGRESS CHANGE)

SPACE	NO. OF OCCUPANTS	STAIR				STAIR DOOR AND COMPONENTS				EXIT AT GRADE			
		NO.	ACTUAL WIDTH	UNITS PER INCH	MAX. CAP.	NO.	ACTUAL WIDTH	UNITS PER INCH	MAX. CAP.	NO.	ACTUAL WIDTH	UNITS PER INCH	MAX. CAP.
EXISTING GYM	1690	–	–	–	–	–	–	–	–	–	7(72)	.20	2,520
		TOTAL MAX. CAP.			–	TOTAL MAX. CAP.			–	TOTAL MAX. CAP.			–
										TOTAL EXIT CAPACITY ON FLOOR			–

MAXIMUM TRAVEL DISTANCE TO EXIT FIRST FLOOR 55'-9"

EGRESS CALCULATIONS



1 WEIGHT ROOM EGRESS PLAN
SCALE: 1/8"=1'-0"

IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	BIDDING DOCUMENTS 2
1	10-28-22	BIDDING DOCUMENTS

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

Drawn by SP
Checked by MS/JC
Project No. 42051
Scale AS NOTED
Date 08-30-22

Mechanical & Electrical Engineer: GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901
Structural Engineer: - - - - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL - SBL# 50-02-01-06-0-016-005
PRESS BOX (DEMO): SBL# 50-02-01-06-7-009-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
PRESTBOOKS: SBL# 50-02-01-06-7-006-001
106 Ramapoo Rd.
Thiells, NY 10984
TOWN OF RAMAPO
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

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Drawing Title: WEIGHT ROOM EGRESS PLAN

Drawing No.: B-122

2020 EXISTING BUILDING CODE OF NEW YORK STATE

BUILDING CODE SUMMARY			
Site	North Rockland High School Annex	Date:	6/24/2022
Project Name:	NRHS RTU Replacement at NRHS Annex - Phase 2	Location	Rockland County
Project Number:	42051R	Architect of Record	MSA
Project Address:	106 Hammond Road, Thiells, NY 10984		

APPLICABLE ORDINANCES, CODES & STANDARD	
2020	Existing Building Code of New York State
2020	Building Code of New York State

EXISTING BUILDING CODE: CHAPTER 1 GENERAL REQUIREMENTS	
SECTION 101	GENERAL
101.5 Compliance.	The repair, alteration, change of occupancy, addition or relocation of all existing buildings shall comply with one of the methods listed in Sections 101.5.1 through 101.5.3 as selected by applicant.
101.5.2 Work area compliance method	Repairs, alterations, change of occupancy and relocated buildings complying with the applicable requirements of Chapters 4 through 12 of this code shall be considered in compliance with the provisions of this code.

EXISTING BUILDING CODE: CHAPTER 5 CLASSIFICATION OF WORK	
501.2 Work area.	The work area, as defined in Chapter 2, shall be identified on the construction documents.
SECTION 503	ALTERATION - LEVEL 1
503.1 Scope	Level 1 alterations include the removal and replacement or the covering of existing materials, elements, equipment, or fixtures using new materials, elements, equipment, or fixtures that serve the same purpose.
503.2 Application.	Level 1 alterations shall comply with the provisions of Chapter 7.

EXISTING BUILDING CODE: CHAPTER 7 ALTERATIONS LEVEL 1	
702.6 Methods and Materials	All new work shall comply with the materials and methods requirements in the International Building Code, International Energy Conservation Code, International Mechanical Code, and International Plumbing Code, as applicable, that specify material standards, detail of installation and connection, joints, penetrations, and continuity of any element, component, or system in the building.
SECTION 703.1 FIRE PROTECTION	Alterations shall be done in a manner that maintains the level of fire protection provided
SECTION 705 ACCESSIBILITY	705.1 General. A facility that is altered shall comply with the applicable provisions in Sections 705.1.1 through 705.1.14, and chapter 11 of the IBC unless it is technically infeasible. Where compliance with this section is technically infeasible, the alteration shall provide access to the maximum extent that is technically feasible.

EXISTING BUILDING CODE

ENERGY CODE

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
1	10-28-22	BIDDING DOCUMENTS

Drawn by MAL/JC
Checked by MS/JC
Project No. 42051
Scale AS NOTED
Date 06-24-22

Mechanical & Electrical Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-0-016-005
PRESS BOX (DEMO) SBL# 50-02-01-06-7-025-001
CONCESSIONS-PRESS BOX (NEW) SBL# 50-02-01-06-7-079-001
FIELDHOUSE SBL# 50-02-01-06-7-006-001
106 Hammond Rd.
Thiells, NY 10984
TOWN OF ORANGETOWN
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
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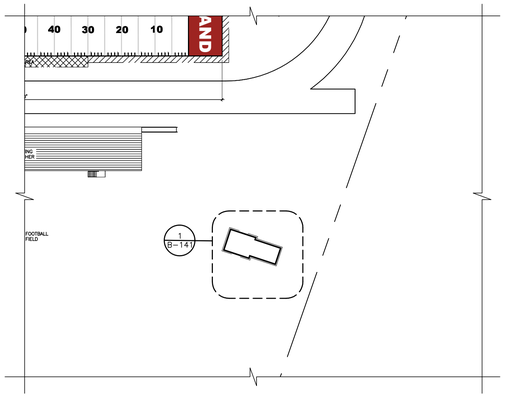
Drawing Title
NRHS RTUs CODE ANALYSIS

Drawing No.
B-130



PLAN NORTH

KEY PLAN

Interior Fire Resistant Rated Walls

- 1 hr
- 2 hrs
- Travel Path

Space Designations

OFFICE ← Room Name
G122 ← Room Number
E 120 ← Occupancy Group / Gross Floor Area (SF)
120|12 ← Net Floor Area (SF)/ Occupant Load

- Emergency Light
- Exit Sign
- Directional Exit Sign
- Water Fountains
- fe — Fire Extinguisher

NOTES:
1. All doors in fire resistant rated walls are fire resistant self-closing type.

LEGEND

EXIT CAPACITY

SPACE	NO. OF OCCUPANTS	STAIR NO.	STAIR ACTUAL WIDTH	STAIR UNITS PER INCH	STAIR MAX. CAP.	STAIR DOOR AND COMPONENTS NO.	DOOR ACTUAL WIDTH	DOOR UNITS PER INCH	DOOR MAX. CAP.	EXIT AT GRADE NO.	EXIT ACTUAL WIDTH	EXIT UNITS PER INCH	EXIT MAX. CAP.
ATHLETIC STORAGE	3	–	–	–	–	–	–	–	–	–	.36	.20	180
		–	–	–	–	–	–	–	–	–	–	–	–
		TOTAL MAX. CAP.			–	TOTAL MAX. CAP.			–	TOTAL MAX. CAP.			–
											TOTAL EXIT CAPACITY ON FLOOR		–

MAXIMUM TRAVEL DISTANCE TO EXIT FIRST FLOOR	24'-10"

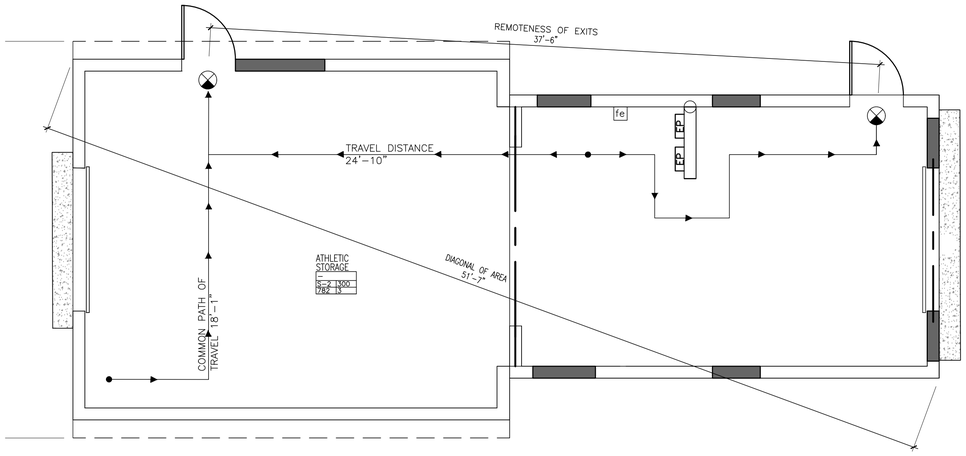
EGRESS CALCULATIONS

2020 NEW YORK STATE BUILDING CODE

PROJECT/BUILDING INFORMATION

UNIT SQUARE FOOTAGE: 782 SF
BUILDING IS NOT SPRINKLERED
BUILDING HAS 1 FLOOR

CODE	NEW YORK STATE (2015 IBC AND IEBC)	CODE SECTION REFERENCE	OTHER	ACTUAL/REMARKS
OCCUPANCY	S-2	311.1		
CONSTRUCTION TYPE	IIB	Chapter 6: Types of Construction		IIB
MAX. TRAVEL DISTANCE	S-2 without sprinkler 300' max	1017.2		24'-10" (Complies)
COMMON PATH OF TRAVEL	S without sprinker OL < 30, 100' max	1006.2.1		18'-1" (Complies)
REMOTENESS OF EXITS	No less than 1/2 of building diagonal	1007.1.1		37'-6" (Complies)
REQUIRED # OF EXITS	A single exit is permitted to for spaces complying with Section 1006.2.1 with exits that discharge directly to the exterior	1006.3.3.2		1 Exit Required 2 Provided (Complies)
MINIMUM CLEAR OPENING WIDTH	32" minimum	1010.1.1		Existing to remain 36" minimum (Complies)
REQUIRED CAPACITY BASED ON OCCUPANT LOAD	.2" per Occupant X 3 Occupants = .6" min (comply with 1010.1.1)	1005.3.2		3 - 36" openings (Complies)
OCCUPANT LOAD	Accessory Storage Areas - 300SF per	1004.5		Occupant Load 3



NOTE: EMERGENCY LIGHTS WILL BE VIA INTERNAL BATTERY PACKS. SEE DRAWING E-140 FOR LOCATIONS.

PLAN NORTH

1 EGRESS FLOOR PLAN
SCALE: 1/4" = 1'-0"

0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
1	10-28-22	BIDDING DOCUMENTS

Drawn by SP
Checked by MS/JC
Project No. 42051
Scale AS NOTED
Date 07-29-22

Mechanical & Electrical Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901

Structural Engineer:
- - -
- - -

NORTH ROCKLAND HIGH SCHOOL
PROJECTS - PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-3-016.035
PROJECT LOCATION: 65 Parrott Road, West Nyack, NY 10994
CONCESSIONS-FIELD HOUSE (NEW): SBL# 50-02-01-06-7-079.001
FIELDHOUSE: SBL# 50-02-01-06-7-008.001

106 Rantanound Rd.
Blauvelt, NY 10994

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-8200
www.shilale.com

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Drawing Title
FIELDHOUSE EGRESS FLOOR PLAN

Drawing No.
B-141

BOUNDARY LINE AND TOPOGRAPHIC SURVEY FOR HAVERSTRAW – STONY POINT CENTRAL SCHOOL DISTRICT

NORTH ROCKLAND HIGH SCHOOL – AREA A

TOWN OF HAVERSTRAW ~ COUNTY OF ROCKLAND ~ STATE OF NEW YORK

106 HAMMOND ROAD ~ TAX MAP NO. 19.16-1-11

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL SIGN 50-02-01-06-4-016-000
PRESS BOX (DEMO) SIGN 50-02-01-06-7-028-001
CONCESSIONS/PRESS BOX (NEW) SIGN 50-02-01-06-7-029-001
PAVILION SIGN 50-02-01-06-7-030-001

1 10/11/22 REVISED PER TOWN COMMENTS
DATE DESCRIPTION

TOWN OF HAVERSTRAW
ROCKLAND COUNTY, NEW YORK

NAD 83

TREE TABLE

T-1	10" MAPLE
T-2	22" MAPLE
T-3	10" MAPLE
T-4	20"
T-5	8"
T-6	8" MAPLE
T-7	8" MAPLE
T-8	6" MAPLE
T-9	7" MAPLE
T-10	14" MAPLE
T-11	6"
T-12	4"
T-13	7"
T-14	3"
T-15	MAPLE CLUSTER
T-16	2"
T-17	4"
T-18	4"
T-19	3"
T-20	5" OAK
T-21	5"
T-22	5" OAK
T-23	3" OAK
T-24	5" MAPLE
T-25	4" OAK
T-26	2" BIRCH
T-27	16" MAPLE
T-28	4" MAPLE
T-29	2" MAPLE
T-30	7" MAPLE
T-31	3" MAPLE
T-32	3" MAPLE
T-33	30" BASSWOOD
T-34	12"
T-35	4" MAPLE
T-36	6" OAK
T-37	6" MAPLE
T-38	7" MAPLE
T-39	2" OAK
T-40	2" MAPLE
T-41	6" MAPLE
T-42	6" MAPLE
T-43	4" OAK
T-44	5" MAPLE
T-45	24" MAPLE
T-46	CRABAPPLE CLUSTER
T-47	3"
T-48	2" MAPLE
T-49	5" CHERRY
T-50	3"
T-51	30" MAPLE
T-52	5" OAK
T-53	4" OAK
T-54	3" MAPLE
T-55	3"
T-56	3"
T-57	4" MAPLE
T-58	2" MAPLE
T-59	16" OAK
T-60	3" MAPLE
T-61	4" OAK
T-62	6" MAPLE
T-63	3" OAK
T-64	3" OAK
T-65	5"
T-66	10" MAPLE
T-67	3" BIRCH
T-68	30" MAPLE
T-69	4" CEDAR
T-70	10" OAK
T-71	18" OAK
T-72	18" MAPLE
T-73	4" MAPLE
T-74	4" OAK
T-75	5" OAK
T-76	8"
T-77	5" & 4"
T-78	30" MAPLE
T-79	4" MAPLE
T-80	20" MAPLE
T-81	MULTI-STEM MAPLE
T-82	MULTI-STEM
T-83	24" MAPLE
T-84	20" MAPLE
T-85	5"
T-86	5"
T-87	18" MAPLE
T-88	3" OAK
T-89	8"
T-90	4"
T-91	8"
T-92	5" OAK
T-93	4"
T-94	14" MAPLE
T-95	12" OAK
T-96	18" MAPLE
T-97	30" OAK
T-98	16" MAPLE
T-99	16" OAK
T-100	5"
T-101	5" MAPLE
T-102	3" OAK
T-103	16" MAPLE

LEGEND:

●	EXISTING MONUMENT AS SHOWN
⊙	SET 5/8" REBAR AND SURVEY CAP
○	UTILITY POLE
R.O.	REPUTED OWNER
—E/C—	OVERHEAD ELEC & COMM LINES
— —E— —	BURIED ELECTRIC CABLE
— —C— —	BURIED COMMUNICATION CABLE
—×—	CHAIN LINK FENCE, UNLESS NOTED OTHERWISE
○○○○	REMAINS OF OLD STONE WALL
⊞	IRRIGATION CONTROL BOX
⊠	ELECTRIC/COMMUNICATION BOX
▤	STORM DRAIN
◆	WATER VALVE
Ⓜ	MANHOLE
⊗	UTILITY COVER
POD	PER OLD DRAWINGS
VIF	VERIFY IN FIELD
×278.45	SPOT ELEVATION
280	ELEVATION CONTOUR
☼	LIGHT POLE
SS SS	SANITARY SEWER LINE
= = = =	STORM SEWER LINE
W W	WATER LINE
CMP	CORRUGATED METAL PIPE
SICPP	SMOOTH INTERIOR CORRUGATED PLASTIC PIPE
CPP	CORRUGATED PLASTIC PIPE
FE	FLOOR ELEVATION

NOTES:

1. HORIZONTAL DATUM: NAD 83 VERTICAL DATUM: NAVD 88
2. UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE. UTILITIES WERE DRAWN ACCORDING TO FIELD EVIDENCE AND DRAWINGS PROVIDED BY OWNER. OTHER UNDERGROUND UTILITIES EXIST ON THE SITE.
3. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT ANY EASEMENTS, RIGHTS RESTRICTIONS AND/OR STATEMENT OF FACT SAID DOCUMENT MAY REVEAL.

SHEET INDEX

UTILITY CONTACTS:

WATER: VEOLIA NEW YORK, PHONE 877-426-8969.

SANITARY SEWER: JOINT REGIONAL SEWAGE BOARD, PHONE 845-429-5715.

ELECTRIC AND GAS: ORANGE AND ROCKLAND, PHONE 877-434-4100.

LAND LINE PHONE: NEW HORIZON, PHONE 855-600-4642

CELL AND INTERNET: VERIZON, PHONE 877-343-7283

OWASCO LAND SURVEYING
106 RAILROAD STREET
GROTON, NEW YORK
PHONE: (607) 898-5051
email: owascolandsurvey@outlook.com

JOB NO.: 22-021 SCALE: 1"=30'

DRAWN BY: BMK DATED: JUNE 1, 2022

SIGNED:

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NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

3 HIGH SCHOOL SBL# 50-02-01-06-0-016-035
PRESS BOX (NEW) SBL# 50-02-01-06-7-009-001
CONCESSIONS/PRESS BOX (NEW) SBL# 50-02-01-06-7-029-001
FIELDHOUSE SBL# 50-02-01-06-7-009-001
106 Hammond Rd.
Thiells, NY 10984

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

NAD 83

SHEET INDEX

BOUNDARY LINE AND TOPOGRAPHIC SURVEY FOR HAVERSTRAW – STONY POINT CENTRAL SCHOOL DISTRICT

NORTH ROCKLAND HIGH SCHOOL – AREA A
TOWN OF HAVERSTRAW ~ COUNTY OF ROCKLAND ~ STATE OF NEW YORK
106 HAMMOND ROAD ~ TAX MAP NO. 19.16-1-11

STATE OF NEW YORK
SHAWN M. KILLMER
No. 050780
LICENSED LAND SURVEYOR

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PHONE: (607) 898-5051
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JOB NO.: 22-021 SCALE: 1"=30'
DRAWN BY: BMK DATED: JUNE 1, 2022
SIGNED:

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NAD 83

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL SBL# 59-02-01-06-1-016-035
BOOSTER FIELD SBL# 59-02-01-06-2-004.001
CONCESSION-PRESS BOX (NEW) SBL# 59-02-01-06-7-009-001
FIELDHOUSE SBL# 59-02-01-05-7-009-001
106 Hammond Rd.
Thiells, NY 10984

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

SHEET INDEX

BOUNDARY LINE AND TOPOGRAPHIC SURVEY FOR HAVERSTRAW – STONY POINT CENTRAL SCHOOL DISTRICT

NORTH ROCKLAND HIGH SCHOOL – AREA A
TOWN OF HAVERSTRAW ~ COUNTY OF ROCKLAND ~ STATE OF NEW YORK
106 HAMMOND ROAD ~ TAX MAP NO. 19.16-1-11

SHEET 3 OF 4

STATE OF NEW YORK
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OWASCO LAND SURVEYING
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GROTON, NEW YORK
PHONE: (607) 898-5051
email: owascolan@outlook.com

JOB NO.: 22-021 SCALE: 1"=30'
DRAWN BY: BMK DATED: JUNE 1, 2022
SIGNED:

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BOUNDARY LINE AND TOPOGRAPHIC SURVEY FOR HAVERSTRAW – STONY POINT CENTRAL SCHOOL DISTRICT

NORTH ROCKLAND HIGH SCHOOL – AREA A

TOWN OF HAVERSTRAW ~ STATE OF NEW YORK ~ COUNTY OF ROCKLAND

106 HAMMOND ROAD ~ TAX MAP NO. 19.16-1-11

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL SBL#'s 59-12-01-06-5-016-035
PRESS BOX SBL#'s 59-12-01-06-7-004-001
CONCESSIONS/PRESS BOX (NEW) SBL#'s 59-12-01-06-7-009-001
FIELDHOUSE SBL# 59-12-01-06-7-009-001
106 Hammond Rd.
Haverstraw, NY 10984

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

NAD 83

SHEET INDEX

SHEET 4
SHEET 2
SHEET 3
SHEET 1

LANDSCAPE TIMBERS
STONE DRAINAGE DITCH
SALESIAN SOCIETY, INC. ~ R.O. TAX MAP NO. 20.13-1-1
POLE (TYPICAL)
ANCHOR (TYPICAL)
OVERHEAD WIRE (TYPICAL)
"PROJECT ADVENTURE" CLIMBING AREA
GRAVEL DRIVE
CLIMBING WALL
9/11 MEMORIAL SIGN
PEDESTRIAN BRIDGE
SUBJECT TO RIGHTS OF OTHERS TO CONTINUED NATURAL FLOW OF THE STREAM BENEFITING LANDS WEST OF HAMMOND ROAD.
RAILING (TYPICAL)
STREAM
POST
INVERT: 266.97
CONCRETE HEADWALL
STORAGE POD
PIN
TREES AND BRUSH
CONCRETE CURB
FOOTBALL GOALPOST
RIM: 273.20
INVERT E: 268.22
INVERT SW: 268.20
APPX. LOCATION 12" CMP (TYP)
12" CMP
RIM: 270.47
FILLED IN
INVERT W (POD): 269.69
RIM: 270.30
INVERT E (POD): 269.22
INVERT S: 267.60
4" LINE
RIM: 275.75
INVERT SE: 270.54
INVERT W: 270.53
GRAVEL DRIVE
BACKSTOP
RIM: 270.73
INVERT E 4": NOT ACCESSIBLE
INVERT E 24": 266.48
INVERT N: 266.90
INVERT W: 266.90
INVERT SW: 268.79
24" CMP
RIM: 270.23
INVERT W: 269.43
CONCRETE WALK
GATEPOST POST
4" LINE
6" CMP
GATEPOST
APPX. LOCATION 24" CMP
LINED BASEBALL FIELD
STONE DU
FE: 273.22
CONCRETE CURB
CONCRETE STOOP
DIRT INFIELD
RIM: 270.43
INVERT E: 266.
INVERT S: 266.
FE: 273.11
FE: 273.14
FE: 273.15
CONCRETE STOOP
BUILDING
10" STEEL
4" CMP
RIM: 271.20
INVERT N: 266.55
INVERT S: 266.72
INVERT W: 266.57
INVERT E: 266.65
6' WIDE X 4" HIGH CMP
APPX. LOCATION 15" CMP (TYP)
STORA
RIM: 276.59
INVERT NW: 272.58
STORAGE POD
FATHER AND SON ATHLETIC ASSOCIATION BRICK GARDEN
"CASARELLA FIELD AT CORDISCO STADIUM" PLANTER AND SIGN
COVER OVER GOAL POST SUPPORT
FE: 281.17
FE: 273.18
CLEANOUT
CONCRETE STOOP
SANITARY SEWER TRAP
RIM: 272.30
INVERT: 265.70
FE: 273.17
FE: 273.20
FE: 273.18
CONCRETE STOOP
GATEPOST
GATEPOST

STATE OF NEW YORK
BRIAN M. KLUMPP
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PHONE: (607) 898-5051
email: owascols@outlook.com

JOB NO.: 22-021 SCALE: 1"=30'
DRAWN BY: BMK DATED: JUNE 1, 2022
SIGNED:

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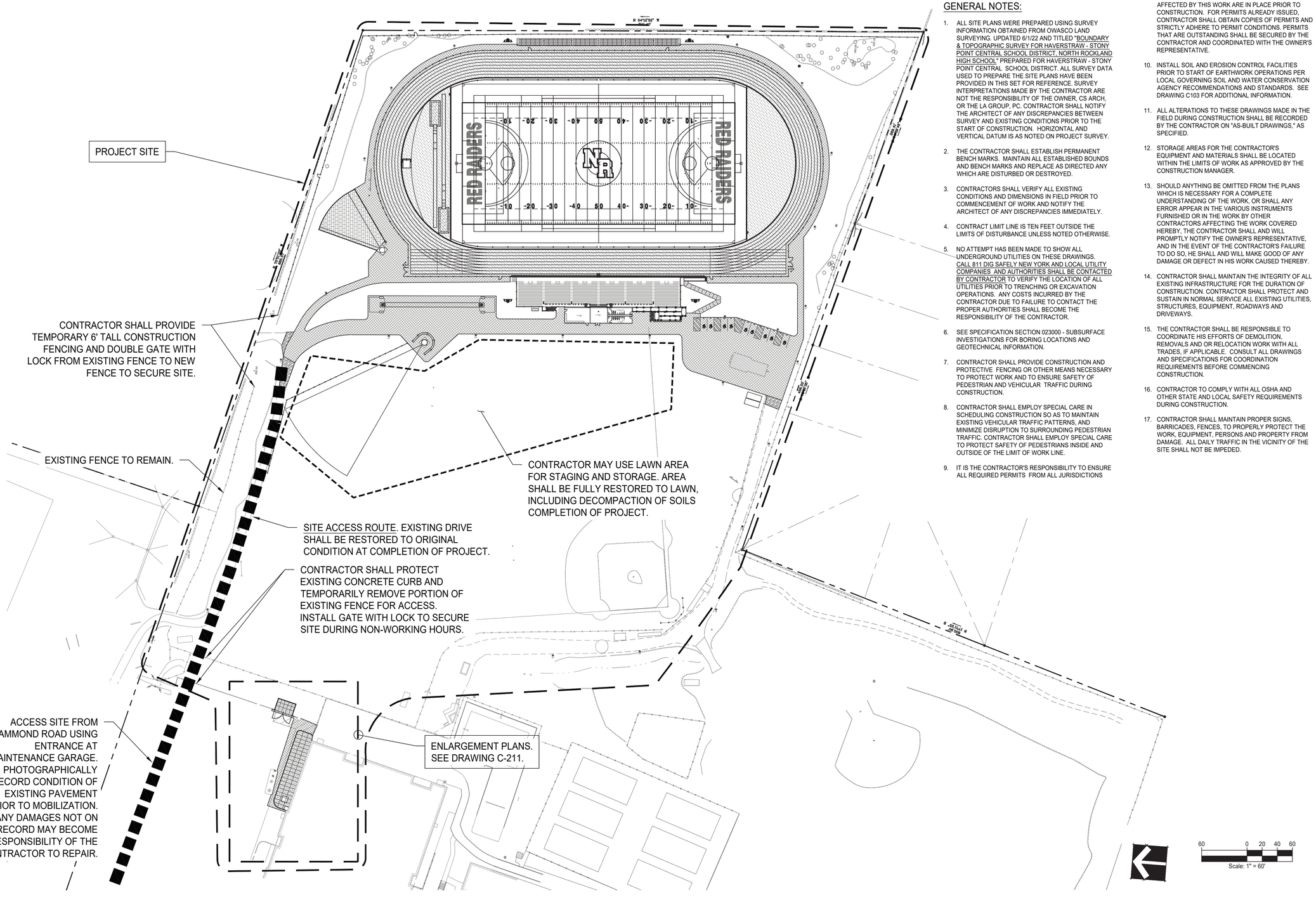

GENERAL NOTES:

1. ALL SITE PLANS WERE PREPARED USING SURVEY INFORMATION OBTAINED FROM OWASCO LAND SURVEYING. UPDATED 6/1/22 AND TITLED "BOUNDARY & TOPOGRAPHIC SURVEY FOR HAVERSTRAW - STONY POINT CENTRAL SCHOOL DISTRICT, NORTH ROCKLAND HIGH SCHOOL" PREPARED FOR HAVERSTRAW - STONY POINT CENTRAL SCHOOL DISTRICT. ALL SURVEY DATA USED TO PREPARE THE SITE PLANS HAVE BEEN PROVIDED IN THIS SET FOR REFERENCE. SURVEY INTERPRETATIONS MADE BY THE CONTRACTOR ARE NOT THE RESPONSIBILITY OF THE OWNER, CS ARCH, OR THE LA GROUP, PC. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN SURVEY AND EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION. HORIZONTAL AND VERTICAL DATUM IS AS NOTED ON PROJECT SURVEY.
2. THE CONTRACTOR SHALL ESTABLISH PERMANENT BENCH MARKS. MAINTAIN ALL ESTABLISHED BOUNDS AND BENCH MARKS AND REPLACE AS DIRECTED ANY WHICH ARE DISTURBED OR DESTROYED.
3. CONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY.
4. CONTRACT LIMIT LINE IS TEN FEET OUTSIDE THE LIMITS OF DISTURBANCE UNLESS NOTED OTHERWISE.
5. NO ATTEMPT HAS BEEN MADE TO SHOW ALL UNDERGROUND UTILITIES ON THESE DRAWINGS. CALL 811 DIG SAFELY NEW YORK AND LOCAL UTILITY COMPANIES AND AUTHORITIES SHALL BE CONTACTED BY CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO TRENCHING OR EXCAVATION OPERATIONS. ANY COSTS INCURRED BY THE CONTRACTOR DUE TO FAILURE TO CONTACT THE PROPER AUTHORITIES SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.
6. SEE SPECIFICATION SECTION 023000 - SUBSURFACE INVESTIGATIONS FOR BORING LOCATIONS AND GEOTECHNICAL INFORMATION.
7. CONTRACTOR SHALL PROVIDE CONSTRUCTION AND PROTECTIVE FENCING OR OTHER MEANS NECESSARY TO PROTECT WORK AND TO ENSURE SAFETY OF PEDESTRIAN AND VEHICULAR TRAFFIC DURING CONSTRUCTION.
8. CONTRACTOR SHALL EMPLOY SPECIAL CARE IN SCHEDULING CONSTRUCTION SO AS TO MAINTAIN EXISTING VEHICULAR TRAFFIC PATTERNS, AND MINIMIZE DISRUPTION TO SURROUNDING PEDESTRIAN TRAFFIC. CONTRACTOR SHALL EMPLOY SPECIAL CARE TO PROTECT SAFETY OF PEDESTRIANS INSIDE AND OUTSIDE OF THE LIMIT OF WORK LINE.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS FROM ALL JURISDICTIONS AFFECTED BY THIS WORK ARE IN PLACE PRIOR TO CONSTRUCTION. FOR PERMITS ALREADY ISSUED, CONTRACTOR SHALL OBTAIN COPIES OF PERMITS AND STRICTLY ADHERE TO PERMIT CONDITIONS. PERMITS THAT ARE OUTSTANDING SHALL BE SECURED BY THE CONTRACTOR AND COORDINATED WITH THE OWNER'S REPRESENTATIVE.
10. INSTALL SOIL AND EROSION CONTROL FACILITIES PRIOR TO START OF EARTHWORK OPERATIONS PER LOCAL GOVERNING SOIL AND WATER CONSERVATION AGENCY RECOMMENDATIONS AND STANDARDS. SEE DRAWING C103 FOR ADDITIONAL INFORMATION.
11. ALL ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE CONTRACTOR ON "AS-BUILT DRAWINGS," AS SPECIFIED.
12. STORAGE AREAS FOR THE CONTRACTOR'S EQUIPMENT AND MATERIALS SHALL BE LOCATED WITHIN THE LIMITS OF WORK AS APPROVED BY THE CONSTRUCTION MANAGER.
13. SHOULD ANYTHING BE OMITTED FROM THE PLANS WHICH IS NECESSARY FOR A COMPLETE UNDERSTANDING OF THE WORK, OR SHALL ANY ERROR APPEAR IN THE VARIOUS INSTRUMENTS FURNISHED OR IN THE WORK BY OTHER CONTRACTORS AFFECTING THE WORK COVERED HEREBY, THE CONTRACTOR SHALL AND WILL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE, AND IN THE EVENT OF THE CONTRACTOR'S FAILURE TO DO SO, HE SHALL AND WILL MAKE GOOD OF ANY DAMAGE OR DEFECT IN HIS WORK CAUSED THEREBY.
14. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL EXISTING INFRASTRUCTURE FOR THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL PROTECT AND SUSTAIN IN NORMAL SERVICE ALL EXISTING UTILITIES, STRUCTURES, EQUIPMENT, ROADWAYS AND DRIVEWAYS.
15. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE HIS EFFORTS OF DEMOLITION, REMOVALS AND OR RELOCATION WORK WITH ALL TRADES, IF APPLICABLE. CONSULT ALL DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING CONSTRUCTION.
16. CONTRACTOR TO COMPLY WITH ALL OSHA AND OTHER STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION.
17. CONTRACTOR SHALL MAINTAIN PROPER SIGNS, BARRICADES, FENCES, TO PROPERLY PROTECT THE WORK, EQUIPMENT, PERSONS AND PROPERTY FROM DAMAGE. ALL DAILY TRAFFIC IN THE VICINITY OF THE SITE SHALL NOT BE IMPEDED.

0 1/2 1
IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

No.	Date	Revisions
1	10-28-22	BIDDING DOCUMENTS
2	12-19-22	SED Addendum 1
3	1-12-23	SED Addendum 2
4	4-27-23	Revisions

Drawn by JFK
Checked by JFK
Project No. 42051
Scale AS NOTED
Date 10/28/2022

Landscape Architect & Civil Engineer: The LA GROUP Landscape Architecture & Engineering, P.C. Poughkeepsie, New York

Structural Engineer: - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-3-016-035
PRESS BOX (ROAD): SBL# 50-02-01-06-7-038-001
CONCESSION/TOILET BUILDING: SBL# 50-02-01-06-7-009-001
FIELDHOUSE: SBL# 50-02-01-06-7-009-001

105 Hammond Rd.
Thiells, NY 10984

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-8200
www.shilale.com

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Drawing Title: SITE KEY PLAN

Drawing No. C-100 of X

GENERAL NOTES:

1. REFER TO GENERAL NOTES ON DRAWING C-100 FOR ADDITIONAL INFORMATION .
2. ALL SIGNAGE SHALL CONFORM TO REQUIREMENTS SET FORTH BY MUTCD AND ICC A117.1-2009.

0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

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Drawn by JFK
Checked by JFK
Project No. 42051
Scale AS NOTED
Date 10/28/2022

Landscape Architect & Civil Engineer: The LA GROUP Landscape Architecture & Engineering P.C. Purple Prose Inc.
Structural Engineer: - - - - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-0-015-005
PASCO PARK (DEMO) SBL# 50-02-01-06-7-008-001
CONCESSION/RESTROOM SBL# 50-02-01-06-7-009-001
FIELDHOUSE SBL# 50-02-01-06-7-009-001

106 Hammond Rd.
Thiells, NY 10984

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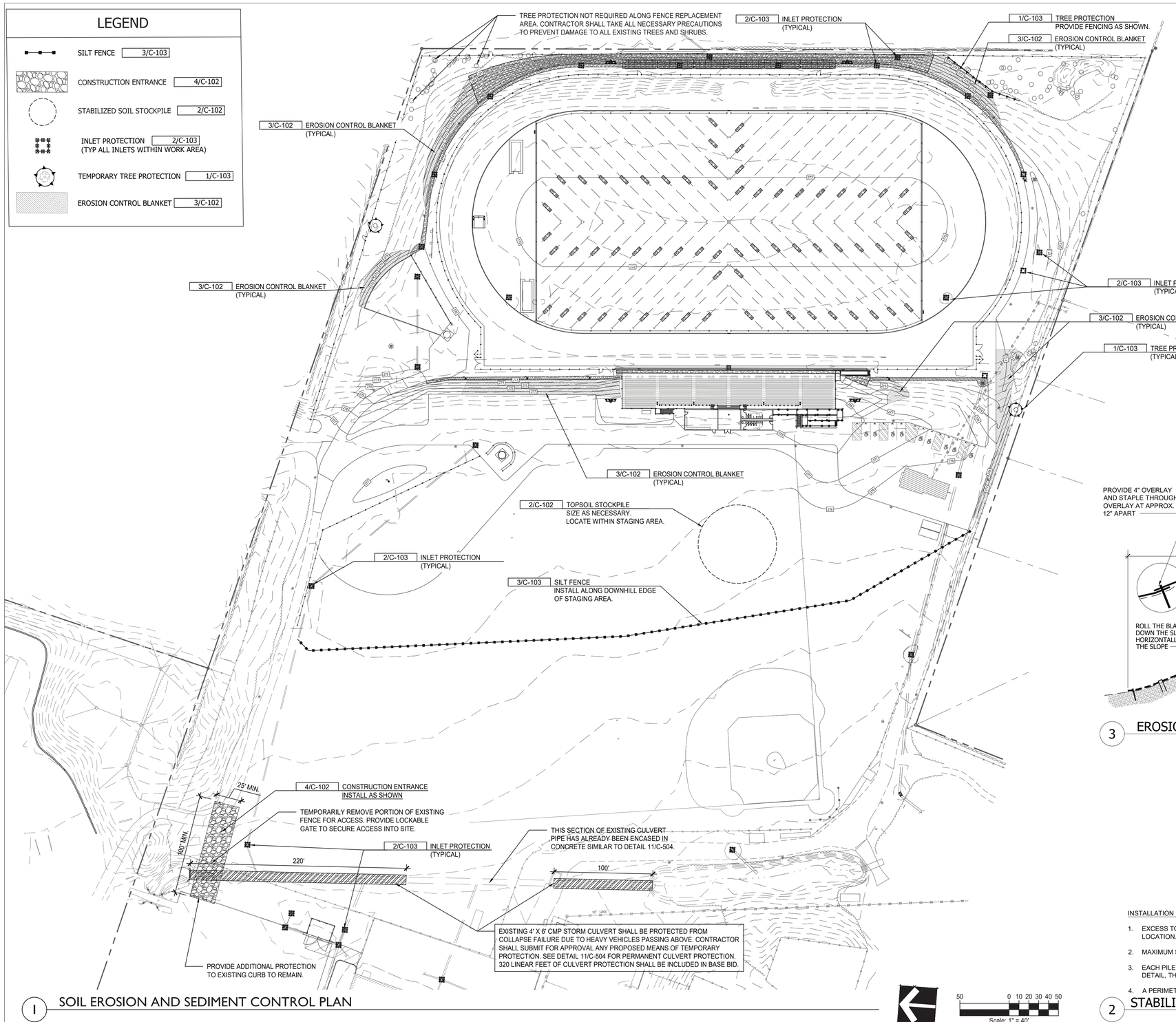
Drawing Title: **SITE CODE COMPLIANCE PLAN**

Drawing No.: **C-101** of X

LEGEND

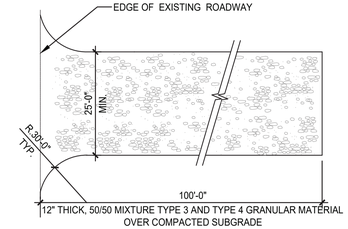
- SILT FENCE — 3/C-103
- CONSTRUCTION ENTRANCE — 4/C-102
- STABILIZED SOIL STOCKPILE — 2/C-102
- INLET PROTECTION — 2/C-103 (TYP ALL INLETS WITHIN WORK AREA)
- TEMPORARY TREE PROTECTION — 1/C-103
- EROSION CONTROL BLANKET — 3/C-102



1 SOIL EROSION AND SEDIMENT CONTROL PLAN

Scale: 1" = 40'

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

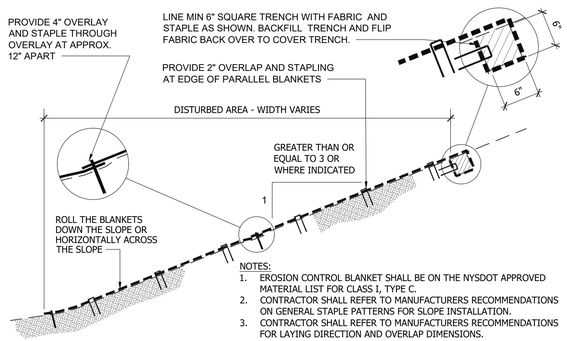


CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE- USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH AS INDICATED.
3. THICKNESS- NOT LESS THAN SIX (6) INCHES.
4. WIDTH AS INDICATED.
5. GEOTEXTILE- WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE, IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OR SEDIMENT INTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND DEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.

4 CONSTRUCTION ENTRANCE

Scale: N.T.S.

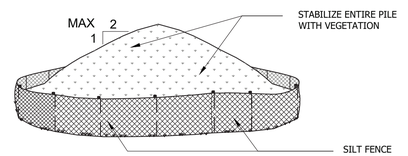


NOTES:

1. EROSION CONTROL BLANKET SHALL BE ON THE NYSDOT APPROVED MATERIAL LIST FOR CLASS I, TYPE C.
2. CONTRACTOR SHALL REFER TO MANUFACTURERS RECOMMENDATIONS ON GENERAL STAPLE PATTERNS FOR SLOPE INSTALLATION.
3. CONTRACTOR SHALL REFER TO MANUFACTURERS RECOMMENDATIONS FOR LAYING DIRECTION AND OVERLAP DIMENSIONS.

3 EROSION CONTROL BLANKET

Scale: N.T.S.



INSTALLATION NOTES:

1. EXCESS TOPSOIL SHALL BE STOCKPILED AT SCHOOL STOCKPILE AREA. SEE PLAN FOR LOCATION. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1. MAXIMUM HEIGHT SHALL BE 12 FEET.
3. EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, INSTALLED PER CORRESPONDING DETAIL, THEN STABILIZED WITH ANNUAL GRAIN WITHIN 3 DAYS.
4. A PERIMETER DIKE/SWALE SHALL BE LOCATED UP-SLOPE OF THE TOPSOIL STOCKPILE.

2 STABILIZED SOIL STOCKPILE

Scale: N.T.S.

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

No.	Date	Revisions
4	4-27-23	Revisions
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Drawn by JFK
Checked by JFK
Project No. 42051
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Landscape Architect & Civil Engineer: The LA GROUP, Landscape Architecture & Engineering P.C., Poughkeepsie, New York

Structural Engineer: - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL SBL# 50-02-01-08-0-016-035
PRESS BOX (BLOCK) SBL# 50-02-01-06-7-035-001
CONCESSIONS/STORAGE SBL# 50-02-01-06-7-009-001
FIELDHOUSE: SBL# 50-02-01-06-7-008-001

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Drawing Title: SOIL EROSION AND SEDIMENT CONTROL PLAN

Drawing No. C-102

of X

EROSION CONTROL GENERAL NOTES

1. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES. THE RESPONSIBLE PRIME CONTRACTOR SHALL STRICTLY ADHERE TO THE APPROVED NPDES SWPPP DRAWINGS DURING CONSTRUCTION OPERATIONS.
2. NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
3. ALL EXPOSED AREAS SHALL BE SEEDED AS SPECIFIED WITHIN 7 DAYS OF FINAL GRADING.
4. SHOULD CONSTRUCTION STOP FOR LONGER THAN 7 DAYS, THE SITE SHALL BE SEEDED AS SPECIFIED.
5. MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN AND AT LEAST ONCE A WEEK.
6. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
7. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
8. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
9. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
11. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS BEFORE THEY ARE 45% FULL.
12. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
13. THE CONTRACTOR SHALL STRICTLY ADHERE TO THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DURING CONSTRUCTION OPERATIONS.

EROSION AND SEDIMENT CONTROLS

1. STABILIZATION PRACTICES (PERMANENT)
   PERMANENT STABILIZATION PRACTICES FOR THIS SITE INCLUDE:
   A. LAND CLEARING ACTIVITIES SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED AND SHALL PROGRESS AS EARTHWORK IS NEEDED
   B. WATERING OF EXCAVATION AND FILL AREAS AS REQUIRED TO MINIMIZE WIND EROSION DURING CONSTRUCTION.
   C. USE OF STABILIZATION FABRIC FOR ALL SLOPES HAVING A SLOPE OF 1V:3H OR GREATER PER DETAIL 3/C-102.
   D. LAND GRADING WITH BENCHES TO INTERCEPT STORMWATER RUNOFF TRAVELING DOWN EMBANKMENTS.
   E. USE OF JUTE MESH ALONG BOTTOM AND SIDES OF ALL DRAINAGE SWALES GREATER THAN 3:1 SLOPE.
2. STABILIZATION PRACTICES (TEMPORARY)
   TEMPORARY STABILIZATION PRACTICES FOR THIS SITE INCLUDE:
   A. TEMPORARY SEEDING, SODDING AND PLANTING OF ALL UNPAVED AREAS. SEEDED AREAS SHALL BE STABILIZED USING THE HYDROMULCHING GRASS SEEDING TECHNIQUE.
   B. MULCHING EXPOSED AREAS.
   C. TEMPORARY MULCHING OF SLOPES LESS THAN 3:1
   D. WATERING TO MINIMIZE WIND EROSION DURING CONSTRUCTION
3. STRUCTURAL PRACTICES (TEMPORARY)
   STRUCTURAL PRACTICES FOR THIS SITE SHALL INCLUDE:
   A. PERIMETER PROTECTION USING SILT FENCE: SILT FENCE WILL BE PLACED ALONG THE PERIMETER OF ALL DISTURBED AREAS AND AT KEY LOCATIONS THROUGHOUT THE SITE.
   B. STABILIZED CONSTRUCTION EXIT POINTS.

SEQUENCE OF MAJOR ACTIVITIES

THE PRIME CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING THE FOLLOWING EROSION CONTROL AND STORMWATER MANAGEMENT CONTROL STRUCTURES. THE CONTRACTOR MAY DESIGNATE THESE TASKS TO CERTAIN SUBCONTRACTORS AS THEY SEE FIT, BUT THE ULTIMATE RESPONSIBILITY FOR IMPLEMENTING THESE CONTROLS AND ENSURING THEIR PROPER FUNCTIONING REMAINS WITH THE PRIME CONTRACTOR. THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS (REFER TO THE EROSION AND SEDIMENT CONTROL DETAILS CONTAINED ON THIS DRAWING FIND FOR ADDITIONAL INFORMATION.

A. CONSTRUCT TEMPORARY CONSTRUCTION EXITS AT LOCATIONS SHOWN ON DRAWING C102.
B. INSTALL PERIMETER SILT FENCES IN THE LOCATIONS SHOWN ON DRAWING C102.
D. PROTECT EXISTING TREES AS INDICATED ON DRAWING C102.
E. STRIP AND STOCKPILE TOPSOIL FOR REUSE ON SITE. STOCKPILE TOPSOIL ON SITE AS AGREED UPON AT PRECONSTUCTION MEETING. INSTALL SILT FENCE AT PERIMETER OF STOCKPILE AS REQUIRED PER DETAIL 3/C103.
F. PROTECT EXISTING DRAINAGE BASINS REQUIRED TO PROTECT STORM SYSTEM PER DETAIL 2/C103.
G. SITE MASS GRADING/EXPORT WORK.
H. PROOF ROLL EXISTING GRADE.
I. BEGIN FILLING AND COMPACTING SITE (EIGHT INCH LIFTS).
J. ESTABLISH SUBGRADE OF PAVING.
K. PLACE STONE BASE MATERIAL FOR PAVING.
L. INSTALL STORM DRAIN INLETS AND PIPING.
M. STORMWATER MANAGEMENT INSTALLATION.
N. PAVE ASPHALT AREAS.
O. FINAL GRADING, SEEDING, AND PLANTING.
P. REMOVE SILT FENCE, PROTECTIVE TREE FENCING, DRAINAGE BASIN PROTECTION AND STONE CHECK DAMS ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.

OTHER CONTROLS

1. STABILIZED CONSTRUCTION EXITS WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS ADJACENT TO THE SITE ENTRANCE WILL BE INSPECTED DAILY AND SWEPT AS NECESSARY TO REMOVE ANY EXCESS MUD, DIRT, OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPAULIN. THE JOB SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.
2. EXCAVATION OF SPOIL MATERIALS GENERATED DURING THE GRADING OF THE SITE MUST BE PROPERLY MANAGED TO PREVENT THEM FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE MATERIALS GENERATED FROM THE DEVELOPMENT OF THIS PROJECT WILL BE STABILIZED BY VEGETATIVE AND STRUCTURAL MEANS, DEPENDING ON LOCATION WITHIN THE PROJECT SITE.
3. DUST CONTROL: MINIMIZING WIND EROSION AND CONTROLLING DUST WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:
   A. COVERING 30% OR MORE OF THE SOIL SURFACE WITH A NON-ERODIBLE MATERIAL.
   B. FREQUENT WATERING OF EXCAVATION AND FILL AREAS.
   C. PROVIDING GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES AND PARKING AREAS

MAINTENANCE/INSPECTION PROCEDURES

THE FOLLOWING INSPECTION AND MAINTENANCE PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS AND STABILIZATION MEASURES:

1. ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS. IF THE CONTRACTOR DISTURBS MORE THAN FIVE ACRES OF SOIL AT ONE TIME, THE PROJECT SITE SHALL BE INSPECTED TWICE PER WEEK.
2. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF REPAIRS OR OTHER EROSION CONTROL MEASURES ARE FOUND TO BE NECESSARY, THEY WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
3. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
4. ALL SEDIMENT TRAPS AND SEDIMENT BASINS SHALL BE INSPECTED AFTER EVERY RAIN EVENT AND AT LEAST ONCE EVERY SEVEN DAYS. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 1/2 DESIGN DEPTH.
5. SILT FENCES WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, ETC., TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE SECURELY IN THE GROUND.
6. TEMPORARY AND PERMANENT SEEDING AND ALL OTHER STABILIZATION MEASURES WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
7. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. COPIES OF THE REPORT FORMS TO BE COMPLETED BY THE INSPECTOR ARE INCLUDED IN THE SWPPP.
8. THE OPERATOR SHALL HAVE A "QUALIFIED PROFESSIONAL" CONDUCT SITE INSPECTIONS FOLLOWING THE COMMENCEMENT OF CONSTRUCTION. A "QUALIFIED PROFESSIONAL" IS A PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICE OF EROSION AND SEDIMENT CONTROLS, SUCH AS A LICENSED PROFESSIONAL ENGINEER, CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), OR SOIL SCIENTIST.
9. DISTURBED AREAS AND MATERIAL STORAGE AREAS WILL BE INSPECTED FOR EVIDENCE OF OR POTENTIAL FOR POLLUTANTS ENTERING STORMWATER SYSTEMS.
10. REPORT TO NYS DEC WITHIN 24 HOURS ANY NON-COMPLIANCE WITH THE SWPPP THAT WILL ENDANGER PUBLIC HEALTH OR THE ENVIRONMENT. FOLLOW UP WITH A WRITTEN REPORT WITHIN 5 DAYS OF THE NON-COMPLIANCE EVENT. THE FOLLOWING EVENTS REQUIRE 24 HOUR REPORTING:
    a. ANY UNANTICIPATED BYPASS WHICH EXCEEDS ANY EFFLUENT LIMITATION IN THE PERMIT.
    b. ANY UPSET WHICH EXCEEDS ANY EFFLUENT LIMITATION IN THE PERMIT.
    c. A VIOLATION OF A MAXIMUM DAILY DISCHARGE LIMITATION FOR ANY OF THE POLLUTANTS LISTED BY THE EPA OR THE DEC IN THE PERMIT. THE WRITTEN SUBMISSION MUST CONTAIN A DESCRIPTION OF THE NON-COMPLIANCE AND ITS CAUSE; THE PERIOD OF NON-COMPLIANCE, INCLUDING EXACT DATES AND TIMES, AND IF THE NON-COMPLIANCE HAS NOT BEEN CORRECTED, THE ANTICIPATED TIME IT IS EXPECTED TO CONTINUE; AND STEPS TAKEN OR PLANNED TO REDUCE, ELIMINATE, AND PREVENT RECURRENCE OF THE NON-COMPLIANCE.
11. RELEASES OF HAZARDOUS SUBSTANCES OR OIL IN EXCESS OF REPORTABLE QUANTITIES (AS ESTABLISHED UNDER 40 CFR 110, 40 CFR 117 OR 40 CFR 302) MUST BE REPORTED. FORM G-1 PROVIDES FURTHER DETAILS ON THE NOTIFICATION AND REPORTING PROCESS.
12. LONG TERM MAINTENANCE - THE SITE CONTRACTOR IS TO REMOVE ALL ACCUMULATED SEDIMENT FROM THE STORMWATER MITIGATION AREAS ONCE CONSTRUCTION IS COMPLETE AND ALL EXPOSED SURFACES ARE STABILIZED. REMOVED SEDIMENT CAN BE DISPOSED BY EITHER LAND APPLICATION OR LAND FILLING. IN EITHER CASE, SEDIMENT SHALL BE STABILIZED BY EITHER STRUCTURAL OR VEGETATIVE PRACTICES TO PREVENT EROSION.

INSPECTION AND MAINTENANCE REPORT FORMS

1. ONCE INSTALLATION OF ANY REQUIRED OR OPTIONAL EROSION CONTROL DEVICE OR MEASURE HAS BEEN IMPLEMENTED, AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS, INSPECTIONS OF EACH MEASURE SHALL BE PERFORMED BY A QUALIFIED PROFESSIONAL. INSPECTIONS SHALL OCCUR TWICE PER WEEK IF IN EXCESS OF FIVE ACRES OF PROPERTY IS DISTURBED AT ONE TIME. THE FORMS FOUND IN THE SWPPP SHALL BE USED BY THE INSPECTORS TO INVENTORY AND REPORT THE CONDITION OF EACH MEASURE TO ASSIST IN MAINTAINING THE EROSION AND SEDIMENT CONTROL MEASURES IN GOOD WORKING ORDER.
2. REPORT FORMS SHALL BECOME AN INTEGRAL PART OF THE SWPPP AND SHALL BE MADE READILY ACCESSIBLE TO GOVERNMENTAL INSPECTION OFFICIALS, THE OPERATOR'S ENGINEER, AND THE OPERATOR FOR REVIEW UPON REQUEST DURING VISITS TO THE PROJECT SITE. IN ADDITION, COPIES OF THE REPORTS SHALL BE PROVIDED TO ANY OF THESE PERSONS, UPON REQUEST, VIA MAIL OR FACSIMILE TRANSMISSION. INSPECTION AND MAINTENANCE REPORT FORMS ARE TO BE MAINTAINED BY THE PERMITTEE FOR FIVE YEARS FOLLOWING THE FINAL STABILIZATION OF THE SITE.

OTHER RECORD-KEEPING REQUIREMENTS

1. THE CONTRACTOR SHALL KEEP THE FOLLOWING RECORDS RELATED TO CONSTRUCTION ACTIVITIES AT THE SITE. COPIES OF ALL SWPPP RELATED DOCUMENTS SHALL ADDITIONALLY BE SUBMITTED TO THE CM AND THE ARCHITECT ON A WEEKLY BASIS.
    a. DATES WHEN MAJOR GRADING ACTIVITIES OCCUR AND THE AREAS WHICH WERE GRADED.
    b. DATES AND DETAILS CONCERNING THE INSTALLATION OF STRUCTURAL CONTROLS.
    c. DATES WHEN CONSTRUCTION ACTIVITIES CEASE IN AN AREA.
    d. DATES WHEN AN AREA IS STABILIZED, EITHER TEMPORARILY OR PERMANENTLY.
    e. DATES OF RAINFALL AND THE AMOUNT OF RAINFALL.
    f. DATES AND DESCRIPTIONS OF THE CHARACTER AND AMOUNT OF ANY SPILLS OF HAZARDOUS MATERIALS.
    g. RECORDS OF REPORTS FILED WITH REGULATORY AGENCIES IF REPORTABLE QUANTITIES OF HAZARDOUS MATERIALS ARE SPILLED.

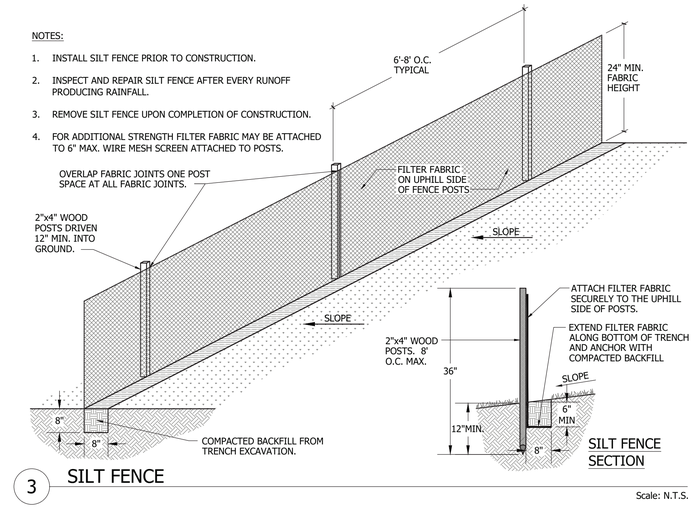
SEEDING REQUIREMENTS

METHOD OF PERMANENT SEEDING
1. SEE PROJECT MANUAL SECTIONS 329200 TURF & GRASSES AND 329230 ATHLETIC FIELD CONSTRUCTION FOR ADDITIONAL INFORMATION.
2. PERMANENT SEEDINGS SHOULD TAKE PLACE IN EARLY SPRING OR THE LATE SUMMER/EARLY FALL. PROPER MULCHING AND ADEQUATE MOISTURE MUST BE PROVIDED FOR PERMANENT SEEDING. RESEEDING OF FAILED AREAS SHALL TAKE PLACE DURING LATE SUMMER/EARLY FALL OR DURING THE FOLLOWING SPRING.

FERTILIZER:
19% NITROGEN
19% PHOSPHORUS
19% POTASH

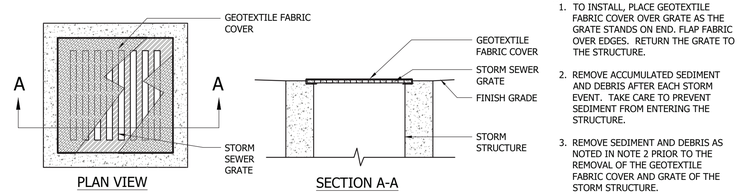
HYDROMULCH
HYDROMULCH SHALL BE A WOOD-FIBER COMPOSITION
(50% PAPER - 50% WOOD)
IF MULCHING IS NOT APPLIED WITH HYDROSEED MIXTURE, APPROVED MULCHING, CONSISTING OF STALKS OF WHEAT, OATS, OR RYE, SHALL BE SPREAD EVENLY AT A RATE OF 2 TONS PER ACRE. MULCH IS TO BE TACKED INTO PLACE.

METHOD OF TEMPORARY SEEDING
1. DRILLING WITH A CULTIPACK TYPE SEEDER OR HYDROSEEDING ARE ACCEPTABLE SEEDING METHODS. GOOD SOIL TO SEED CONTACT IS REQUIRED.
2. MULCHING - APPLY STRAW MULCH AT A RATE OF 2 TONS/ACRE (90 LBS./1,000 SF) ANCHORED WITH WOOD FIBER MULCH (HYDROMULCH) AT 500 - 750 LBS./ACRE (11 - 17 LBS./1,000 SF). THE WOOD FIBER MULCH MUST BE APPLIED THROUGH A HYDROSEEDER AFTER MULCHING.
3. IRRIGATION - MOISTURE IS ESSENTIAL TO ESTABLISH NEW SEEDING. WEATHER CONDITIONS WILL DICTATE WHEN TO WATER. EACH WATER APPLICATION MUST BE UNIFORMLY APPLIED AND 1 TO 2 INCHES OF WATER SHOULD BE APPLIED PER APPLICATION.



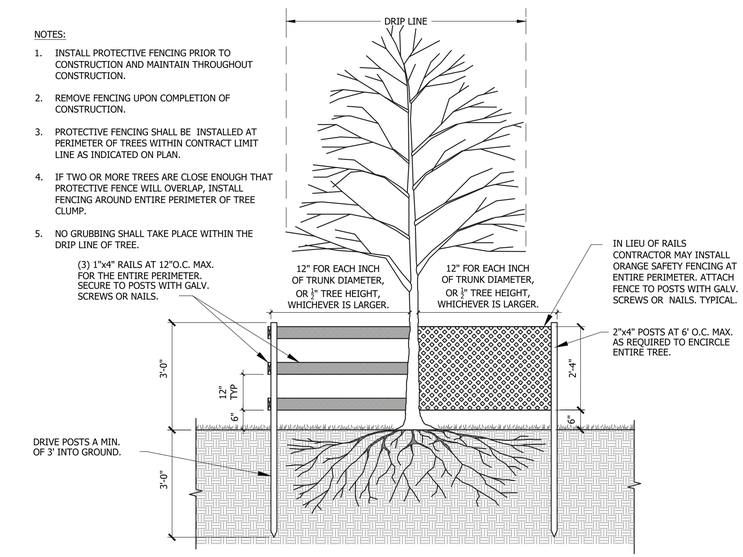
3 SILT FENCE

Scale: N.T.S.



2 TEMPORARY INLET PROTECTION

Scale: N.T.S.



1 TEMPORARY TREE PROTECTION

Scale: N.T.S.

1/2 0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

No.	Date	Revisions
1	10-28-22	BIDDING DOCUMENTS
2	12-19-22	SED Addendum 1
3	1-12-23	SED Addendum 2
4	1-27-23	Revisions

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Drawn by JFK
Checked by JFK
Project No. 42051
Scale AS NOTED
Date 10/28/2022

Landscape Architect & Civil Engineer: The LA GROUP Landscape Architecture & Engineering P.C. Poughkeepsie, New York
Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL: SBM# 50-02-01-06-0-016-035
PRESS BOX (DEMO): SBM# 50-02-01-06-7-008-001
CONCESSIONS/RESTROOMS: SBM# 50-02-01-06-7-009-001
FIELDHOUSE: SBM# 50-02-01-06-7-009-001

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Drawing Title: SESC NOTES AND DETAILS

Drawing No. C-103 of X

LEGEND

- ASPHALT DEMO
- GRAVEL DRIVE DEMO
- CLAY/SAND DEMO
- CLEAR AND GRUB
- ITEM DEMO
- MISC. OBJECT DEMO

REMOVE AND DISPOSE OF CHAIN LINK FENCE, GATES, AND FOOTINGS.

REMOVE AND DISPOSE GRAVEL SURFACING.

EXISTING 12" STORM PIPE TO REMAIN.

CLEAR AND GRUB EXISTING TREES AND VEGETATION (TYPICAL)

REMOVE 6" AND 12" STORM PIPES AND SEAL KNOCKOUTS IN EXISTING BASIN TO REMAIN.

REMOVE AND DISPOSE OF STAIRS AND SEGMENTAL BLOCK RETAINING WALL.

CLEAR AND GRUB EXISTING TREES AND VEGETATION (TYPICAL)

REMOVE AND DISPOSE OF CHAIN LINK FENCE, GATES, AND FOOTINGS.

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

1"
0

REMOVE AND DISPOSE OF CHAIN LINK FENCE, GATES, AND FOOTINGS.

REMOVE AND DISPOSE OF STORM PIPES AND STRUCTURES.

REMOVE AND DISPOSE OF CONCRETE CURB ALONG TRACK INNER EDGE. TYPICAL FOR ENTIRE LOOP.

REMOVE AND DISPOSE OF STORM PIPES AND STRUCTURES.

REMOVE AND DISPOSE OF THREE PORTABLE BLEACHER UNITS.

REMOVE AND DISPOSE OF TRACK PERIMETER FENCING, GATES, AND FOOTINGS. TYPICAL FOR ENTIRE TRACK PERIMETER.

EXISTING VEGETATION TO REMAIN. GIVE SPECIAL CARE TO PROTECT TREES AND SHRUBS THROUGH ALL STAGES OF FENCE REPLACEMENT.

REMOVE AND DISPOSE OF JUMPING RUNWAYS, STONE BASE, AND PITS.

STRIP, STOCKPILE, AND DISPOSE OF TOPSOIL FOR ENTIRE INFIELD AREA.

REMOVE AND DISPOSE OF STORM PIPES AND STRUCTURES.

REMOVE AND DISPOSE OF HIGH JUMP RUBBER SURFACE, ASPHALT PAVING, AND STONE BASE.

EXISTING SCOREBOARD TO REMAIN.

REMOVE AND DISPOSE OF FOOTBALL GOAL POST AND FOOTING.

REMOVE AND DISPOSE OF FOOTBALL GOAL POST AND FOOTING.

STRIP AND DISPOSE OF EXISTING SHOT PUT PIT MIX THROUGH TO SUBGRADE. TYPICAL THIS SHADING PATTERN.

REMOVE AND DISPOSE OF CHAIN LINK FENCE, GATES, AND FOOTINGS.

CLEAR AND GRUB ONLY AS NECESSARY FOR GRADING.

REMOVE AND DISPOSE OF STORM PIPES AND STRUCTURE.

REMOVE AND DISPOSE OF ALL COMPONENTS OF EXISTING IRRIGATION SYSTEM.

REMOVE AND DISPOSE OF WOOD RETAINING WALL.

REMOVE AND DISPOSE OF TRACK PERIMETER FENCING, GATES, AND FOOTINGS. TYPICAL FOR ENTIRE TRACK PERIMETER.

REMOVE AND DISPOSE OF RESILIENT SURFACING, ASPHALT PAVEMENT, AND STONE BASE, TYPICAL FOR ENTIRE TRACK AS INDICATED BY SHADING PATTERN.

REMOVE AND DISPOSE OF STORM PIPES AND STRUCTURES.

REMOVE AND DISPOSE OF ALL COMPONENTS OF EXISTING IRRIGATION SYSTEM.

REMOVE AND DISPOSE OF STORM PIPES AND STRUCTURES.

REMOVE OLD SCOREBOARD I-BEAM, CONCRETE FOOTING, AND ELECTRICAL CONNECTION BACK TO BUILDING.

REMOVE AND DISPOSE OF STORM PIPES AND STRUCTURES.

REMOVE AND DISPOSE OF POLE VAULT EVENT. OWNER SHALL SALVAGE PADS AND STANCHIONS PRIOR TO PROJECT. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF RESILIENT SURFACING, ASPHALT PAVEMENT, CONCRETE PADS, STONE BASE, VAULT BOXES, AND WOOD TIMBERS.

EXISTING STORAGE CONTAINER TO BE RELOCATED. SEE LAYOUT PLAN.

REMOVE 15" STORM PIPE AND SEAL KNOCKOUT IN EXISTING BASIN TO REMAIN.

REMOVE AND DISPOSE OF SHOT PUT CONCRETE PAD AND STONE BASE.

REMOVE AND DISPOSE OF STORM PIPES AND STRUCTURES.

REMOVE POWER, FIBER, AND HAND HOLES BETWEEN PRESS BOX AND SCOREBOARD.

REMOVE AND DISPOSE OF CHAIN LINK FENCE, GATES, AND FOOTINGS FOR ALL FENCING ALONG REAR OF GRANDSTAND.

SEE STRUCTURAL DRAWINGS FOR REMOVALS AND ALTERATIONS RELATED TO EXISTING GRANDSTAND SYSTEM.

REMOVE HAND HOLE AND ASSOCIATED UTILITY.

REMOVE AND DISPOSE OF STORM PIPES AND STRUCTURES.

REMOVE AND DISPOSE OF FLAGPOLE, BLOCK WALL, AND FOOTING.

CLEAR AND GRUB EXISTING TREE (TYPICAL)

EXISTING VINYL PRIVACY FENCE TO REMAIN. PROTECT AT ALL TIMES.

REMOVE EXISTING HAND HOLE AND FIBER. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

STRIP AND DISPOSE OF EXISTING GRAVEL DRIVE THROUGH TO SUBGRADE. TYPICAL THIS SHADING PATTERN.

REMOVE AND DISPOSE OF BACKSTOP, HOME PLATE, PITCHING RUBBER, AND BASE ANCHORS INCLUDING ANY CONCRETE FOUNDATIONS.

REMOVE AND DISPOSE OF EXISTING TW0-STORY BLOCK PRESS BOX BUILDING. OWNER SHALL SALVAGE ALL LOOSE EQUIPMENT PRIOR TO PROJECT. SEE ALSO ELECTRICAL DRAWINGS FOR ITEMS CONTRACTOR MUST SALVAGE AND REINSTALL IN NEW PRESS BOX.

REMOVE AND DISPOSE OF CONCRETE DISCUS PAD, STONE BASE, AND CAGE FENCING.

EXISTING FOOTBALL GOAL POST TO REMAIN.

EXISTING TOILET/STORAGE BUILDING TO REMAIN. SEE A-SERIES DRAWINGS FOR REQUIRED RENOVATIONS.

REMOVE AND DISPOSE OF ASPHALT PAVEMENT AND STONE BASE AS INDICATED BY SHADING PATTERN.

REMOVE AND CAP SANITARY FROM BUILDING. SEE UTILITY PLAN FOR LOCATION OF NEW SANITARY CONNECTION TO EXISTING SANITARY PIPE TO REMAIN.

EXISTING STORAGE CONTAINER TO BE RELOCATED. SEE LAYOUT PLAN.

REMOVE AND DISPOSE OF PORTION OF EXISTING FENCE.

REMOVE POWER CONNECTION TO EXISTING SCOREBOARD AT TRACK.

LOCATE AND DISCONNECT EXISTING WATER SERVICE TO BUILDING. CAP SERVICE LINE AND ABANDON IN PLACE.

REMOVE POWER CONNECTION TO EXISTING SCOREBOARD AT BASEBALL FIELD.

EXISTING VINYL PRIVACY FENCE TO REMAIN. PROTECT AT ALL TIMES.

TYPICAL OF THREE UTILITY POLES TO BE REMOVED. SEE ELECTRICAL PLANS FOR MORE INFORMATION.

STRIP AND DISPOSE OF EXISTING INFIELD CLAY MIX THROUGH TO SUBGRADE.

DEMOLITION NOTES:

1. REFER TO GENERAL NOTES ON DRAWING 1-C100 FOR ADDITIONAL INFORMATION.
2. REFER TO PROJECT MANUAL SECTION 024113 - SELECTIVE SITE DEMOLITION FOR ADDITIONAL INFORMATION.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE OWNER'S REPRESENTATIVE ON ALL MATERIALS TO BE REMOVED AND RECYCLED/DISPOSED OF OFF SITE. ALL HANDLING OF MATERIALS TO BE REMOVED, RECYCLED, OR DISPOSED OF MUST BE DONE SO IN A SAFE, LEGAL MANNER, IN ACCORDANCE WITH ALL LOCAL, COUNTY, STATE, FEDERAL AND ANY OTHER APPLICABLE REGULATIONS.
4. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS APPLICABLE UNLESS OTHERWISE NOTED.
5. EXISTING ITEMS INDICATED TO BE SALVAGED OR STOCKPILED SHALL BE CAREFULLY REMOVED AND STORED AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
6. TREE, SHRUB, AND VEGETATION REMOVAL SHALL INCLUDE THE FILLING, CUTTING, GRUBBING OUT OF ENTIRE ROOT SYSTEM AND SATISFACTORY OFF-SITE DISPOSAL OF ALL TREES, SHRUBS, STUMPS, VEGETATIVE AND EXTRANEOUS DEBRIS PRODUCED THROUGH THE REMOVAL OPERATIONS.
7. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE INSIDE AND OUTSIDE THE LIMIT OF WORK DUE TO THEIR CONTRACT OPERATIONS.
8. CONTRACTOR SHALL PROTECT AND SUSTAIN IN NORMAL SERVICE ALL EXISTING UTILITIES, STRUCTURES, EQUIPMENT, ROADWAYS AND DRIVEWAYS.
9. AT ALL LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH AND SHARP EDGE AND PROTECTED UNTIL ABUTTING MATERIALS ARE INSTALLED.

30 0 10 20 30
Scale: 1" = 30'

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No.	Date	Revisions
4	4-27-22	Revisions
3	3-25-22	SED Addendum 2
2	2-09-22	SED Addendum 1
1	10-28-22	BIDDING DOCUMENTS

Drawn by JFK
Checked by JFK
Project No. 42051
Scale AS NOTED
Date 10/28/2022

Landscape Architect & Civil Engineer: The LA GROUP, Landscape Architecture & Engineering, P.C., Poughkeepsie, New York

Structural Engineer: - - - - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL: SED# 50-02-01-06-0-016-035
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Drawing Title: SITE DEMOLITION PLAN

Drawing No.: C-200 of X

FIBER OPTIC REPLACEMENT. SEE ELECTRICAL DRAWINGS. (BASE BID)

REUSE EXISTING CONCRETE HEADWALL. SEE ALTERNATE UTILITY PLAN FOR REQUIRED COFFER DAM.

REMOVE AND DISPOSE EXISTING 6'X4' CMP

EXISTING REINFORCED CULVERT TO REMAIN.

REMOVE AND DISPOSE PLANTER. STOCKPILE "CASARELLA FIELD AT CORDISCO STADIUM" SIGN.

REMOVE AND DISPOSE WOODEN POST

REMOVE AND DISPOSE EXISTING 6'X4' CMP

CONTRACTOR TO LOCATE AND PROTECT WATER LINE DURING CONSTRUCTON

ALL WORK SHOWN ON THIS SHEET, UNLESS OTHERWISE NOTED, IS ALTERNATE SCOPE.

30 0 10 20 30
Scale: 1" = 30'

0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

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No.	Date	Revisions
4	1-27-23	Revisions
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2	12-19-22	SED Addendum 1
1	10-28-22	BIDDING DOCUMENTS

Drawn by JFK
Checked by JFK
Project No. 42051
Scale AS NOTED
Date 10/28/2022

Landscape Architect & Civil Engineer: The LA GROUP
Structural Engineer: - - -
Structural Engineer: - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL: SBL# 50-62-01-06-0-016-035
PRESS BOX (BOOK) SBL# 50-62-01-06-7-035-001
CONCESSION/RESTROOMS SBL# 50-62-01-06-7-009-001
FIELDHOUSE: SBL# 50-62-01-06-7-008-001

100 Hammond Rd.
Thiells, NY 10984

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-8208
www.shilale.com

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Drawing Title
ADD ALT SITE DEMOLITION PLAN

Drawing No.
C-201

of X

5/C-502 FENCE GATE
6' HEIGHT, 4' WIDTH.
EXACT LOCATION TBD.

5/C-502 CHAIN LINK FENCE - 6' HEIGHT

1/C-403 VISITOR BLEACHER

5/C-502 FENCE GATE
4' HEIGHT, 4' WIDTH.
TYPICAL OF 4 AT TRACK.

1/CE-510 ATHLETIC FIELD LIGHT POLE
TYPICAL OF FOUR.

2/C-503 RIP RAP SLOPE COVER
TYPICAL FOR SHADING PATTERN SHOWN.

5/C-502 CHAIN LINK FENCE - 6' HEIGHT

END NEW CHAIN LINK
FENCE AT CORNER.

IF THIS BAR DOES NOT
MEASURE 1", THEN DRAWING IS
NOT TO FULL SCALE

5/C-502 CHAIN LINK FENCE
4' HEIGHT. TYPICAL
ENTIRE PERIMETER.

5/C-502 CHAIN LINK FENCE - 6' HEIGHT

2/C-501 SYNTHETIC TURF FIELD SECTION

4/C-501 RUNNING TRACK SECTION - VISITOR STRAIGHTAWAY

2/C-300 EXHIBITION FIELD LINESTRIPING PLAN

11/C-502 ASPHALT PAVING -
8' WIDE FROM FENCE

4/C-504 GRAVEL UNDERDRAIN
SEE UTILITY PLAN.

1/C-211 D-ZONE LAYOUT - NORTH

EXISTING SCOREBOARD TO REMAIN.
SEE ELECTRICAL DRAWINGS FOR
NEW CONNECTIONS.

7/C-503 FLAGPOLE

5/C-502 FENCE GATE
6' HEIGHT, 4' WIDTH

5/C-502 CHAIN LINK FENCE
4' HEIGHT

6/C-500 SHOT PUT PAD
(BASE BID) SEE
3/C-211 FOR
ALTERNATE L-1.

8/C-500 SHOT PUT PIT CURB

RED RAIDERS

47.56'

294.88' BETWEEN RADIUS PINS

47.56'

115.00' RADIUS TO MEASURE LINE

13/C-500 TRACK RADIUS PIN IN TURF
(TYPICAL OF TWO)

1/C-211 D-ZONE LAYOUT - SOUTH

2/C-502 RIP RAP SLOPE COVER
SPREAD UNDER EXISTING GRANDSTAND AS SHOWN.

3/C-501 RUNNING TRACK SECTION - HOME STRAIGHTAWAY

END TRACK FENCING IN LINE WITH
FENCE ON EXISTING STAIRS. END
GRANDSTAND SKIRTING FENCE
ABUTTING STAIRS.

COORDINATE END OF TRACK FENCING
AND GRANDSTAND SKIRTING FENCE
WITH ALTERATIONS TO EXISTING RAMP
FOR ALIGNED ENCLOSURE.

20'

7/C-502 DOUBLE LEAF GATE
4' HEIGHT. 12' WIDTH
TYPICAL EACH END.

8/C-502 V-GATE
4' HEIGHT.
TYPICAL EACH END.

2/C-502 RIP RAP SLOPE COVER
TYPICAL FOR SHADING PATTERN SHOWN.

4/C-504 GRAVEL UNDERDRAIN
SEE UTILITY PLAN.

10'

SEE DRAWING C-400 FOR REMOVALS
AND ALTERATIONS RELATED TO
EXISTING GRANDSTAND SYSTEM.

1/C-502 CONCRETE PAVING
6' WIDE

RESTORE TO LAWN

8'

1/C-500 POLE VAULT LAYOUT

5/C-502 CHAIN LINK FENCE
HEIGHT VARIES.
ENCLOSE ALL SIDES.

20'

20'

14.28'

11/C-502 ASPHALT PAVING

10/C-502 GRAVEL PAVING

2/C-502 CONCRETE UTILITY PAD
SEE ELECTRICAL DRAWINGS
FOR UTILITY COORDINATION.

3/C-503 DEDICATION WALL

SEE ARCHITECTURAL DRAWINGS FOR
NEW CONCESSION/TOILET BUILDING
AND PRESS BOX.

1/C-503 ADA PARKING LINESTRIPING
NINE SPACES, FIVE AISLES.

8&9/C-503 ADA PARKING SIGNAGE
NINE SPACES, FIVE AISLES.

26'-8"

20'-0"

1&2/CE-003 NEW LIGHT POLE
SEE ELECTRICAL DRAWINGS FOR
ADDITIONAL INFORMATION.

9/C-500 DISCUS CAGE

5/C-500 DISCUS PAD

6/C-502 CHAIN LINK FENCE - 12' HEIGHT

EXISTING FOOTBALL
GOAL TO REMAIN.

11/C-502 ASPHALT PAVING

PLACE STORAGE CONTAINERS AT THIS
LOCATION WITH DOORS FACING FIELD.
PROVIDE 4" COMPACTED STONE BASE
BENEATH CONTAINERS.

10/C-502 GRAVEL PAVING

TRANSITION FENCE FROM 12' HEIGHT
TO 6' HEIGHT OVER TEN FEET.
PROVIDE MIDRAIL.

RESTORE TO LAWN.
SEED FOR BASE BID.
SOD FOR ALTERNATE L-2.

EXISTING NATURAL GRASS ATHLETIC
FIELDS TO REMAIN. LIMIT
CONSTRUCTION ACTIVITIES TO
STAGING AND STORAGE AREA.
RESTORATION OF ATHLETIC FIELD
SHALL INCLUDE SOIL DECOMPACTION
WHERE APPLICABLE.

5/C-502 CHAIN LINK FENCE - 6' HEIGHT

30 0 10 20 30
Scale: 1" = 30'

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Landscape Architect & Civil Engineer: The LA GROUP Landscape Architecture & Engineering, P.C. Poughkeepsie, New York

Structural Engineer: - - - - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-2-016-005
PRESS BOX (ROAD): SBL# 50-02-01-06-7-018-001
CONCESSION/TOILET BUILDING: SBL# 50-02-01-06-7-009-001
FIELDHOUSE: SBL# 50-02-01-06-7-008-001

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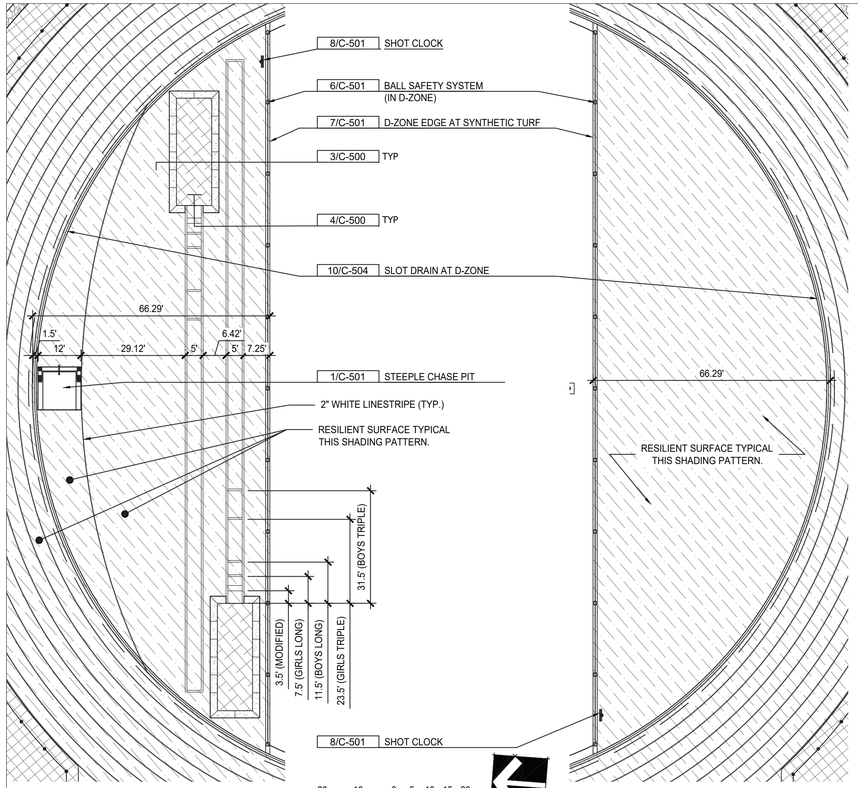
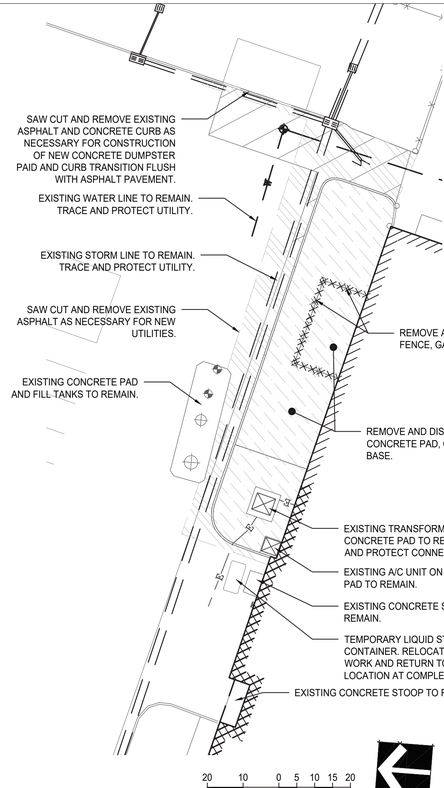
Drawing Title
SITE LAYOUT PLAN

Drawing No.
C-210

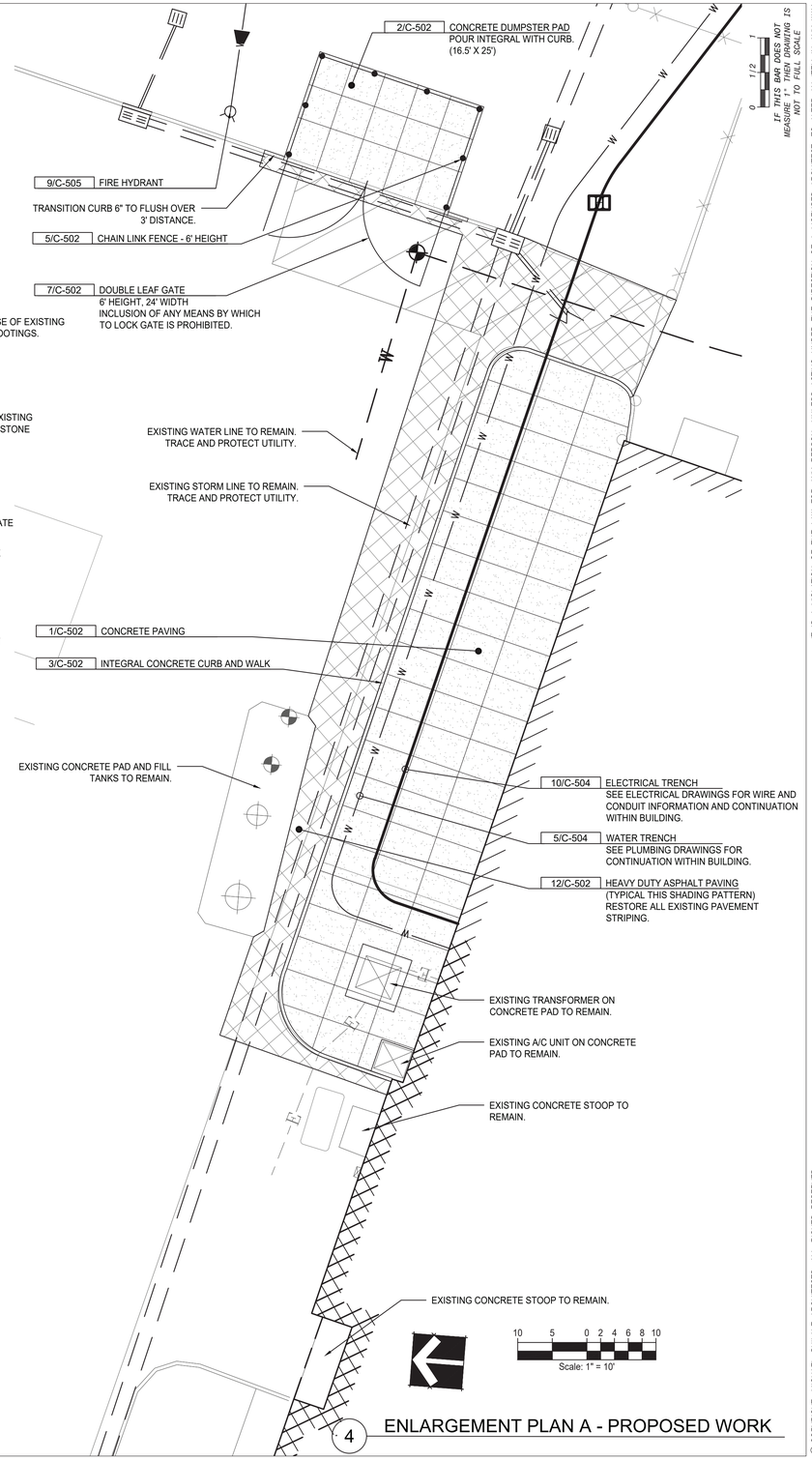
of X



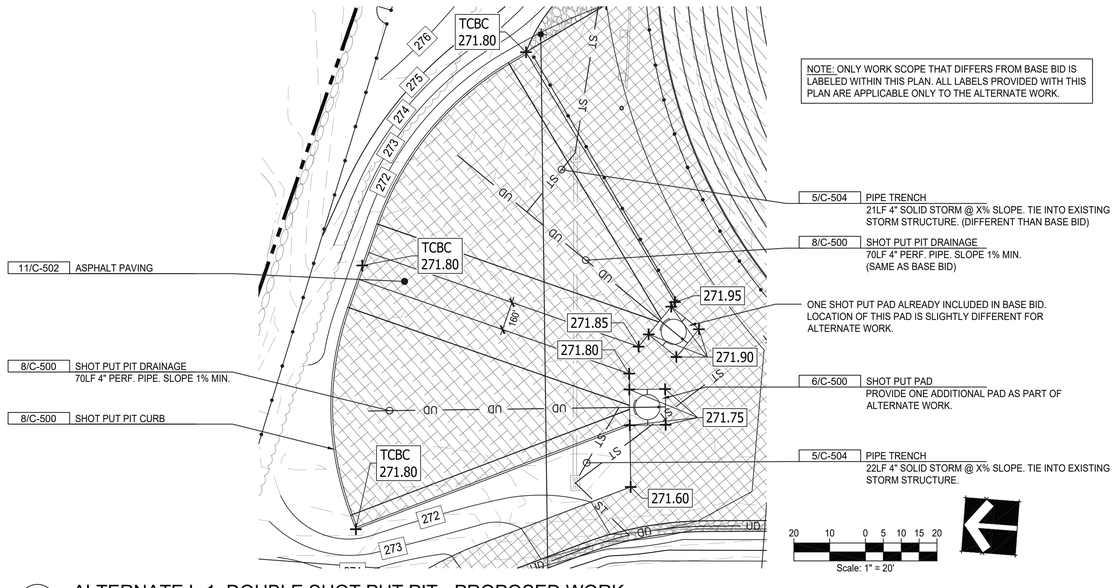
1 D-ZONE LAYOUT PLANS



2 ENLARGEMENT PLAN A - DEMOLITION



4 ENLARGEMENT PLAN A - PROPOSED WORK



3 ALTERNATE L-1: DOUBLE SHOT PUT PIT - PROPOSED WORK

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Landscape Architect & Civil Engineer: The LA GROUP Landscape Architecture & Engineering, P.C. Poughkeepsie, New York

Structural Engineer: - - - - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-0-016-005
PRESS BOX (BLEACHERS) SBL# 50-02-01-06-7-008-001
CONCESSION/RESTROOMS SBL# 50-02-01-06-7-007-001
FIELDHOUSE SBL# 50-02-01-06-7-009-001
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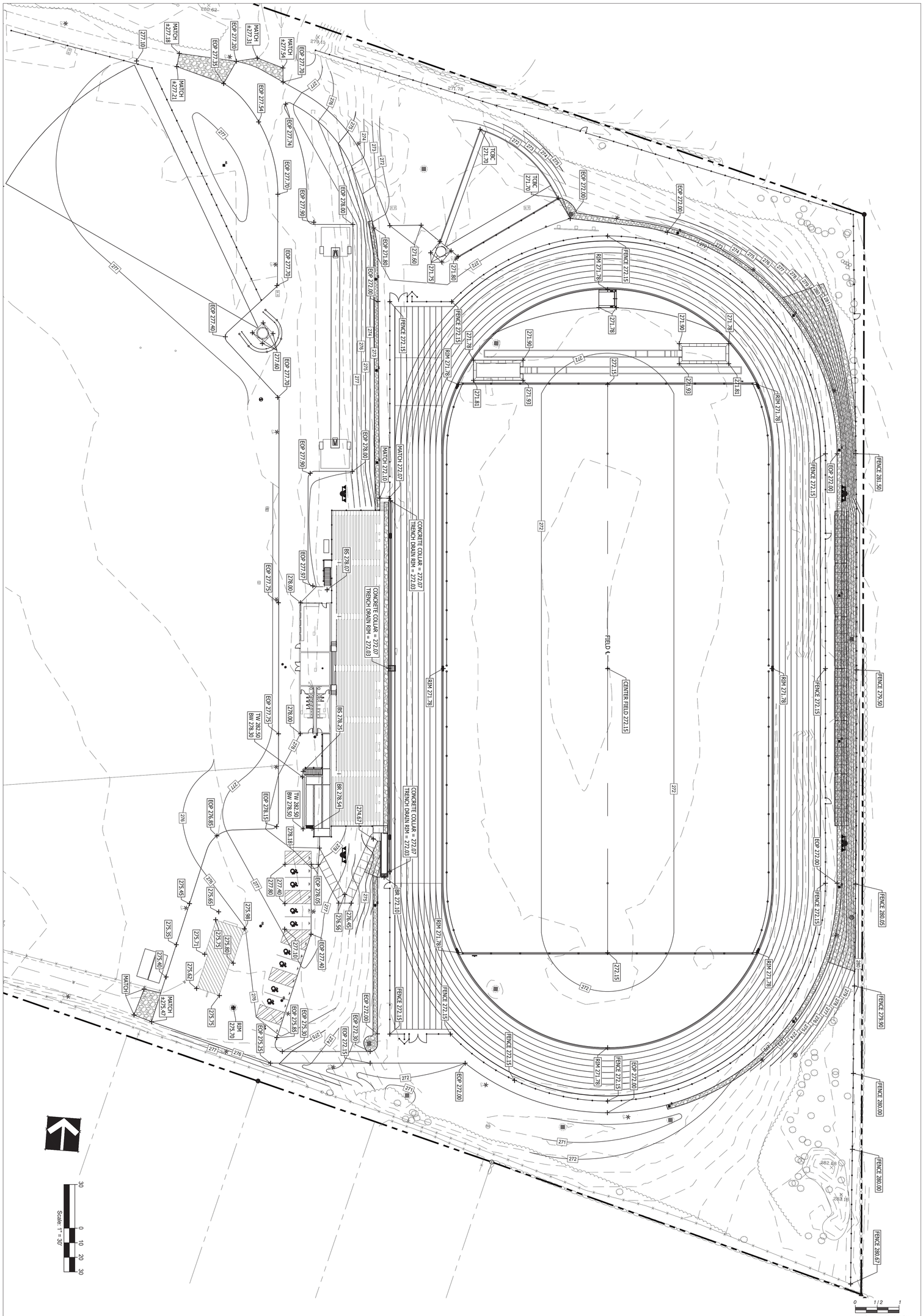
Drawing Title: SITE ENLARGEMENT PLANS

Drawing No. C-211 of X


FIELD
CENTER FIELD 272.15
CONCRETE COLLAR = 272.07
TRENCH DRAIN RIM = 272.03
FENCE 272.15
FENCE 281.50
FENCE 279.50
FENCE 280.55
FENCE 279.50
FENCE 280.00
FENCE 280.00
FENCE 280.07
RIM 271.78
RIM 271.81
RIM 271.70
RIM 271.60
RIM 271.75
RIM 271.80
RIM 271.90
RIM 271.93
RIM 272.15
RIM 271.53
RIM 271.81
RIM 271.78
RIM 275.70
RIM 271.78
RIM 271.78
RIM 271.78

ELECTRICAL NOTES:
1. SITE CONTRACTOR IS RESPONSIBLE FOR TRENCH EXCAVATION AND BACKFILL ONLY. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT AND BOXES.
2. LAYOUT OF CONDUIT AND BOXES ON C-SERIES DRAWINGS IS FOR REFERENCE ONLY. SITE CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR EXACT ROUTING OF CONDUIT AND PLACEMENT OF BOXES.

4/C-504 STONE TRENCH WITH 8" UNDERDRAIN

EX. 12" STORM TO REMAIN.

2/C-505 CB-1
RIM: 278.00
12" INV. OUT: 274.70

5/C-504 12" HDPE STORM PIPE

INLINE DRAIN
RIM: 271.75
INV. IN/OUT: 269.50

3/C-505 STMH-1
RIM: 278.00
12" INV. IN: 272.80
12" INV. OUT: 272.70

5/C-504 12" HDPE STORM PIPE

POWER OUTLET PEDESTAL. INSTALL ADJACENT TO FENCE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.

8" PERFORATED PIPE @0.0% INV.: 269.50

POWER OUTLET PEDESTAL. INSTALL ADJACENT TO FENCE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.

TRENCH DRAIN CATCH BASIN. OUTLET BOTH ENDS WITH 6" STORM PIPES CONNECTING INTO ENDS OF 12" UNDERDRAINS TO ACT AS CLEANOUTS.

13/C-504 INLINE DRAIN
RIM: 271.75
INV. IN/OUT: 269.50

3/C-505 STMH-2
RIM: 278.00
12" INV. IN: 271.68
12" INV. OUT: 271.58

5/C-504 12" HDPE STORM PIPE

12/C-504 YD-3 (18" Ø)
RIM: 271.75
8" INV. IN: 269.50
18" INV. OUT: 268.75

INLINE DRAIN
RIM: 271.75
INV. IN/OUT: 269.50

12" PERFORATED UNDERDRAIN

4/C-504 STONE TRENCH WITH 8" UNDERDRAIN
INV. 269.50

6/C-504 CB-2
RIM: 271.60
4" INV. IN: 269.00
4" INV. IN: 268.30
18" INV. IN: 267.80
18" INV. OUT: 267.75

6/C-504 CB-3
EX. 6" INV. IN: 269.40±
8" INV. IN: 269.50
12" INV. OUT: 269.30

12/C-505 YARD HYDRANT

5/C-504 12" HDPE STORM PIPE

CONNECT TO EXISTING CATCH BASIN
REPLACE GRATE WITH FRAME AND COVER.
ADJUST COVER TO BE 6" BELOEW FG
RIM: 271.20
INV. IN: 268.52
EX. INV. OUT: 268.42

5/C-504 4" HDPE STORM PIPE

CONNECT TO STEEPLECHASE DRAIN
INV. : 268.75

1/C-504 COMPOSITE DRAINS
SPACE 15' O.C. (TYP)

RIM: 270.09
INVERT N: 268.75
INVERT N: 268.11
INVERT E: 268.11

4/C-504 CB-6
RIM: 270.90
12" INV. IN: 267.60
18" INV. IN: 267.30
18" INV. OUT: 267.20

5/C-504 18" HDPE STORM PIPE

5/C-504 4" HDPE STORM PIPE

WYE CONNECTION

5/C-504 6" HDPE STORM PIPE

5/C-504 18" HDPE STORM PIPE
9 AND 3 PERFORATIONS

6/C-504 CB-7
RIM: 270.50
18" INV. IN: 266.50
18" INV. OUT: 266.40

6/C-504 CB-5
RIM: 271.60
18" INV. IN: 265.66
18" INV. OUT: 265.61

5/C-504 18" HDPE STORM PIPE

5/C-504 6" HDPE STORM PIPE

5/C-504 6" HDPE STORM PIPE

5/C-504 18" HDPE STORM PIPE

SHOT PUT PIT DRAINAGE
70LF 4" PERF. PIPE SLOPE TO OUTLET

6/C-504 CB-3
RIM: 271.00
12" INV. OUT: 268.70

STONE TRENCH WITH 6" UNDERDRAIN

TRENCH DRAIN CATCH BASINS (TYP)

5/C-504 6" HDPE STORM PIPE

6/C-504 CB-8
RIM: 270.50
12" INV. OUT: 267.00

EXISTING CATCH BASIN
ADJUST RIM TO FINISHED GRADE
MODIFY TO ACCEPT NEW PIPES
RIM: 271.20
6" INV. IN: 269.50
12" INV. IN: 268.54
EX. 12" INV. IN: 268.52
18" INV. OUT: 268.42

7/C-504 TRENCH DRAIN
RIM = 272.04

13/C-504 INLINE DRAIN, TYP. OF 3
RIM: 271.00
6" INV. ELEV.: 266.50

POWER OUTLET PEDESTAL. INSTALL ADJACENT TO FENCE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.

3/C-504 SANITARY CLEANOUT
BLDG INV.:275.28

13/C-504 INLINE DRAIN
RIM: 272.00
6" INV.: 270.00

POWER OUTLET PEDESTAL. INSTALL ADJACENT TO FENCE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.

6/C-504 CB-9
RIM: 271.50
18" INV. IN (N): 265.66
18" INV. IN (E): 265.70
6" INV. IN: 269.25
EX. 24" INV. OUT: 265.25

5/C-504 1" DR-11 WATER SERVICE

6/C-504 1"CURB STOP

5/C-504 4" HDPE STORM PIPE

STONE TRENCH WITH 6" UNDERDRAIN

10/C-505 FIRE HYDRANT

REMOVE AND REPLACE CATCH BASIN GRATE WITH FRAME AND COVER. RAISE RIM TO FINISHED GRADE MODIFY TO ACCEPT NEW 4" PIPE
RIM = 277.75
4" INV. IN = 274.00
EX. 12" INV. OUT = 272.58

5/C-504 6" DIP WATER LINE

6" GATE VALVE

TRANSITION FROM 8" DR-11 TO 6" DIP WITH 8"X6" REDUCER

4"X4" TEE

3/C-504 SANITARY CLEANOUT

5/C-504 4" SANITARY PIPE @ 2% MIN. SLOPE.

6/C-504 CB-4
RIM: 275.60
6" INV. IN: 272.50
EX. 24" INV.: ±264.99

12/C-504 YD-1
RIM = 276.20
8" INV. = 273.05

5/C-504 8" HDPE STORM PIPE

WYE CONNECTION
8" INV. = 272.75

5/C-504 6" HDPE STORM PIPE

ELECTRICAL TRENCH

8/C-504 DOWNSPOUTS
INV'S: 273.00

5/C-504 6" HDPE STORM PIPE

5/C-504 6" HDPE STORM PIPE
TIE INTO PROPOSE 6" STORM PIPE WITH 6"X6" WYE FITTING

WYE CONNECTION

5/C-504 8" DR-11 WATER LINE

5/C-504 4" DR-11 WATER SERVICE

ELECTRICAL TRENCH

MATCHLINE: SEE SHEET C231, DRAWING 1

IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE
0 1/2 1

Scale: 1" = 30'

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Landscape Architect & Civil Engineer: The LA GROUP Landscape Architecture & Engineering, P.C. Poughkeepsie, New York

Structural Engineer: - - - - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-0-016-035
PARKS BOX (DRAIN) SBL# 50-02-01-06-7-008-001
CONCESSION/RESTROOMS SBL# 50-02-01-06-7-008-001
FIELDHOUSE SBL# 50-02-01-06-7-008-001

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Drawing Title
SITE UTILITY PLAN

Drawing No.
C-230
of X

MATCHLINE: SEE SHEET C230

5/C-504 4" DR-11 WATER SERVICE

5/C-504 8" DR-11 WATER LINE

8"X8" TEE WITH (2) 8" GATE VALVES AND THRUST BLOCK

WATER/STORM CROSSING

11/C-504 CULVERT PROTECTION

5/C-504 8" DR-11 WATER LINE

DIRECTIONAL DRILL 50'

SECTION OF EXISTING CULVERT WITH REINFORCEMENT TO REMAIN.

220' CULVERT REINFORCEMENT

100' CULVERT REINFORCEMENT

11/C-504 CULVERT PROTECTION

TRANSITION FROM 8" DR-11 TO 6" DIP WITH 8"X6" REDUCER

5/C-504 6" DIP WATER LINE

10/C-505 FIRE HYDRANT

DIRECTIONAL DRILL 8" AND 4" DR-11 WATER LINES BELOW EXISTING CULVERT. 18" MIN SEPARATION BETWEEN BOTTOM OF CULVERT AND TOP OF WATER LINE.

ELECTRICAL TRENCH

BUILDING CONNECTION FOR 4" DOMESTIC WATER SERVICE

MATCHLINE: SEE SHEET C232

Scale: 1" = 30'

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Landscape Architect & Civil Engineer: The LA GROUP Landscape Architecture & Engineering P.C. Poughkeepsie, Albany, Los Angeles

Structural Engineer: — — —

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-0-015-035
PRESS BOX (DEMO) SBL# 50-02-01-06-7-009-001
CONCESSION/RESTROOM (NEW) SBL# 50-02-01-06-7-009-010
FIELDHOUSE SBL# 50-02-01-06-7-009-001

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Drawing Title
SITE UTILITY PLAN

Drawing No.
C-231
of X

0 1/2 1
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Structural Engineer: – – – –

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL: SBL# 50-62-01-06-0-016-035
PRESS BOX (BLOCK): SBL# 50-62-01-06-7-005-001
CONCESSIONS/RESTROOMS (BLOCK): SBL# 50-62-01-06-7-009-001
FIELDHOUSE: SBL# 50-62-01-06-7-008-001

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Drawing Title
SITE UTILITY PLAN

Drawing No.
C-232

of X

MATCHLINE: SEE SHEET C230

5/C-504 4" DR-11 WATER SERVICE (BASE BID)

5/C-504 8" DR-11 WATER LINE (BASE BID)

WATER/STORM CROSSING (BASE BID)

8"X8" TEE WITH (2) 8" GATE VALVES AND THRUST BLOCK (BASE BID)

CONCRETE HEADWALL AT CULVERT INLET TO REMAIN

CONNECT EXISTING 12" STORM PIPE INTO PROPOSED 73"X55" CULVERT

5/C-504 8" DR-11 WATER LINE (BASE BID)

CONNECT EXISTING 24" STORM PIPE INTO PROPOSED 73"X55" CULVERT

8/C-504 INSTALL COFFER DAM AND BYPASS PUMP SYSTEM FOR CULVERT REPLACEMENT

CONNECT TO EXISTING CMP CULVERT

PROPOSED 73"X55" CMP CULVERT REPLACEMENT

EXISTING 6'X4' CMP CULVERT ENCASED IN CONCRETE TO REMAIN

PROPOSED 73"X55" CMP CULVERT REPLACEMENT

TRANSITION FROM 8" DR-11 TO 6" DIP WITH 8"X6" REDUCER (BASE BID)

5/C-504 6" DIP WATER LINE (BASE BID)

10/C-505 FIRE HYDRANT (BASE BID)

INSTALL 8" AND 4" DR-11 WATER LINES BELOW PROPOSED CULVERT. 18" MIN SEPARATION BETWEEN BOTTOM OF CULVERT AND TOP OF WATER LINE.

ELECTRICAL TRENCH (BASE BID)

BUILDING CONNECTION FOR 4" DOMESTIC WATER SERVICE. (BASE BID)

MATCHLINE: SEE SHEET C232

ALL WORK SHOWN ON THIS SHEET, UNLESS OTHERWISE NOTED, IS ADD ALTERNATE

30 0 10 20 30
Scale: 1" = 30'

0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

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No.	Date	Revisions
4	1-27-23	Revisions
3	1-12-23	SED Addendum 2
2	12-19-22	SED Addendum 1
1	10-28-22	BIDDING DOCUMENTS

Drawn by JFK
Checked by JFK
Project No. 42051
Scale AS NOTED
Date 10/28/2022

Landscape Architect & Civil Engineer: The LA GROUP Landscape Architecture & Engineering, P.C. Poughkeepsie, New York

Structural Engineer: - - - - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-0-015-055
PRESS BOX (DEMO) SBL# 50-02-01-06-7-009-001
CONCESSION/RESTROOMS SBL# 50-02-01-06-7-009-070
PICKLEBALL SBL# 50-02-01-06-7-009-001

106 Hammond Rd.
Thiells, NY 10984

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

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Drawing Title
ADD ALT SITE UTILITY PLAN

Drawing No.
C-234
of X

2/C-503 RIP RAP SLOPE COVER
TYPICAL FOR SHADING PATTERN SHOWN.

ACS 2

LAWN

MPS 4

RED RAIDERS

RED RAIDERS

ACS 5

LAWN

2/C-503 RIP RAP SLOPE COVER
3' MIN. WIDTH UNDER EXISTING GRANDSTAND.

2/C-503 RIP RAP SLOPE COVER
TYPICAL FOR SHADING PATTERN SHOWN.

4/C-504 GRAVEL UNDERDRAIN
SEE UTILITY PLAN.

QPO 3

MPS 3

RESTORE TO LAWN

PROVIDE MULCH THRU TO
PAVEMENT EDGE ON DOWNHILL
SIDE OF PLANTING

RAG 169

RESTORE TO LAWN

RAG 34

RAG 98

RESTORE TO LAWN

GTI 2

PROVIDE LAWN ON UPHILL
SIDE OF PLANTING

LAWN

GTI 1

MPS 3

MPS 2

QPO 3

LAWN

RESTORE TO LAWN

RESTORE TO LAWN.
SEED FOR BASE BID.
SOD FOR ALTERNATE L-2.

	#	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
	7	ACS	AMELANCHIER CANADENSIS	SERVICEBERRY	6' HEAVY CLUMP	B&B	SEE DETAIL 6/C-503.
	3	GTI	GLEDITSIA TRIACANTHOS INERMIS 'SKYCOLE'	SKYLINE HONEYLOCUST	3"-3.5" CAL.	B&B	SEE DETAIL 6/C-503.
	12	MPS	MALUS 'PROFESSOR SPRENGER'	PROFESSOR SPRENGER CRABAPPLE	2-2.5" CAL.	B&B	SEE DETAIL 6/C-503.
	6	QPO	QUERCUS PALUSTRIS	PIN OAK	3-3.5" CAL.	B&B	SEE DETAIL 6/C-503.
	301	RAG	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	3 GAL	CONT.	PLANT 3'-0" O.C. SEE DETAIL 5/C-503.

30 0 10 20 30
Scale: 1" = 30'

0 1/2 1
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Landscape Architect & Civil Engineer: The LA GROUP Landscape Architecture & Engineering, P.C. Poughkeepsie, New York

Structural Engineer: - - - - - -

Drawn by JFK
Checked by JFK
Project No. 42051
Scale AS NOTED
Date 10/28/2022

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-0-015-035
PERKINS AVE (DEAD) SBL# 50-02-01-06-7-008-001
CONCESSION STAND SBL# 50-02-01-06-7-007-001
FIELDHOUSE SBL# 50-02-01-06-7-009-001

106 Hammond Rd.
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140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

Drawing Title
SITE PLANTING PLAN

Drawing No.
C-240
of X

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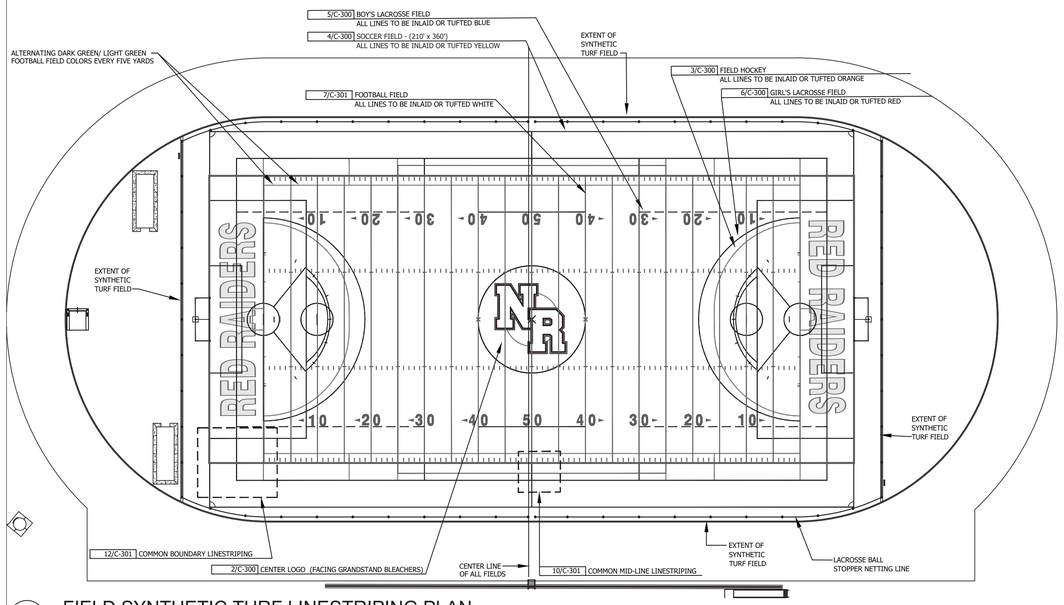
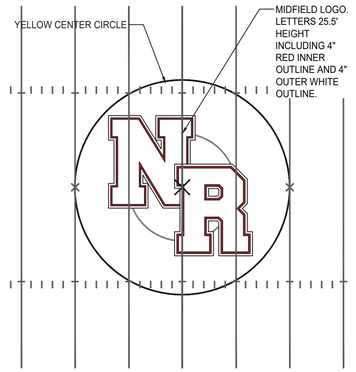


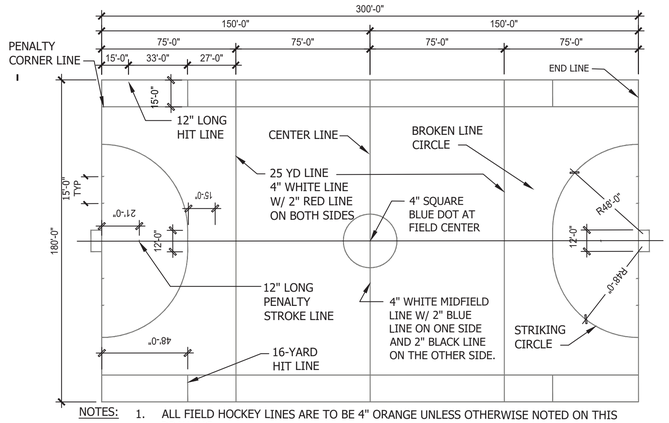
1 FIELD SYNTHETIC TURF LINESTRIPING PLAN

Scale: 1"=40'



2 CENTER LOGO

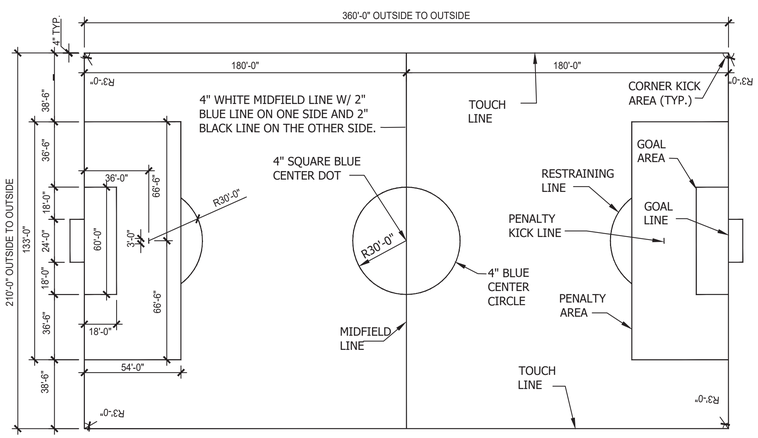
Scale: 1"=20'-0"



NOTES:
1. ALL FIELD HOCKEY LINES ARE TO BE 4" ORANGE UNLESS OTHERWISE NOTED ON THIS DRAWING.
2. ALL DIMENSIONS AND NOTES ARE TYPICAL.

3 FIELD HOCKEY LAYOUT PLAN

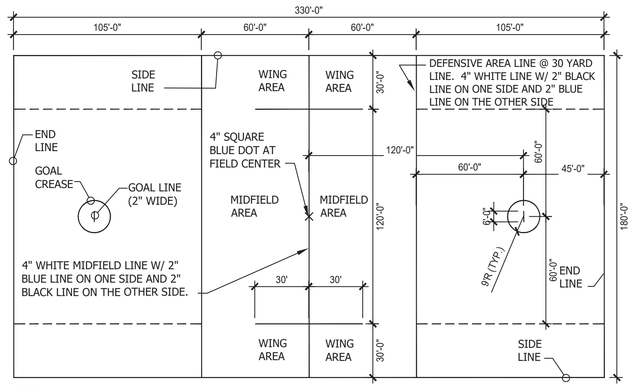
Scale: 1"=40'-0"



NOTES:
1. ALL SOCCER LINES ARE TO BE 4" YELLOW LINES UNLESS OTHERWISE NOTED ON THIS DRAWING.
2. ALL DIMENSIONS AND NOTES ARE TYPICAL.

4 SOCCER FIELD LAYOUT PLAN

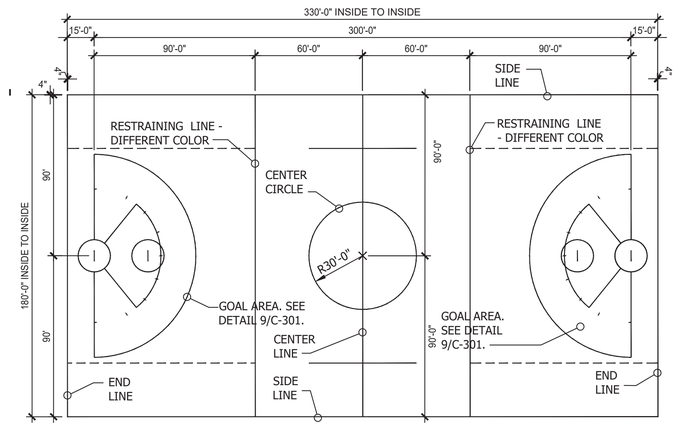
Scale: 1"=40'-0"



NOTES:
1. ALL BOY'S LACROSSE LINES ARE TO BE 4" BLUE INLAID LINES UNLESS OTHERWISE NOTED ON THIS DRAWING.
2. ALL DIMENSIONS AND NOTES ARE TYPICAL.

5 BOY'S LACROSSE LAYOUT PLAN

Scale: 1"=40'-0"



NOTES:
1. ALL GIRL'S LACROSSE LINES ARE TO BE 4" RED INLAID LINES UNLESS OTHERWISE NOTED ON THIS DRAWING.
2. ALL DIMENSIONS AND NOTES ARE TYPICAL.

6 GIRL'S LACROSSE LAYOUT PLAN

Scale: 1"=40'-0"

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Drawn by JFK
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Project No. 42051
Scale AS NOTED
Date 10/28/2022

The LA GROUP
Landscape Architecture & Engineering, P.C.
Staple Peekskill, New York

Landscape Architect & Civil Engineer:

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL SBD# 50-02-01-06-0-016-035
PRESS BOX (BLEACHERS) SBD# 50-02-01-06-7-035-001
CONCESSIONS/RESTROOMS SBD# 50-02-01-06-7-070-001
FIELDHOUSE: SBD# 50-02-01-06-7-008-001

100 Hammond Rd.
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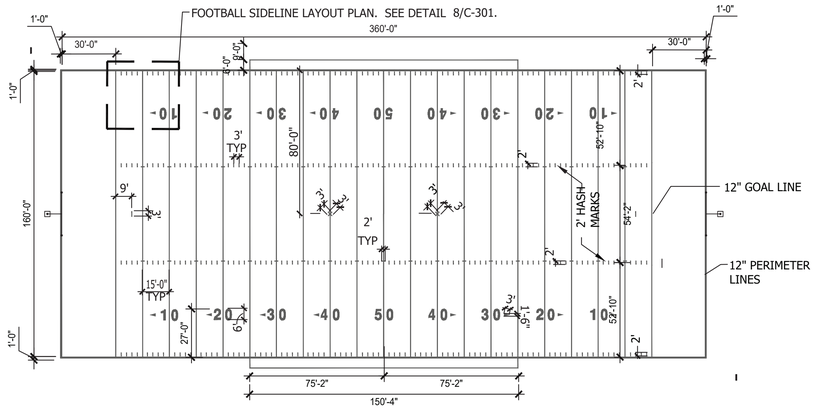
www.shilale.com

Drawing Title: FIELD LINESTRIPING PLAN

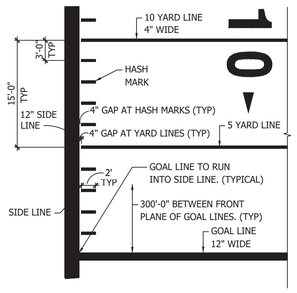
Drawing No. C-300

of X

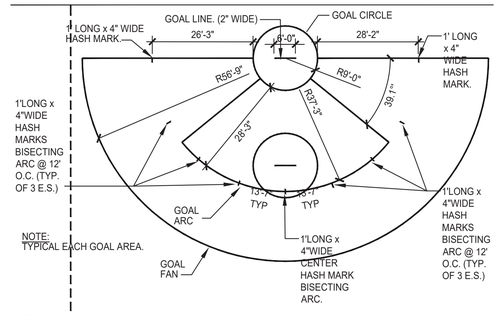


NOTES
1. ALL FOOTBALL LINES ARE TO BE 4" WHITE LINES UNLESS OTHERWISE NOTED ON THIS DETAIL.
2. ALL DIMENSIONS AND NOTES ARE TYPICAL.

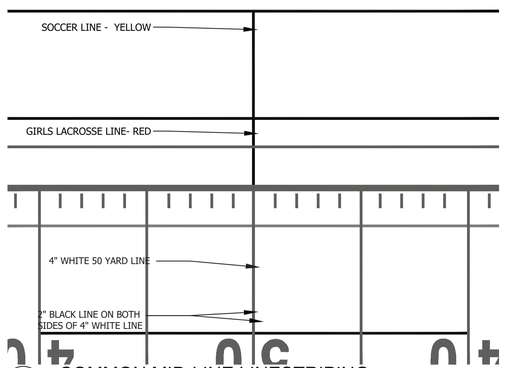
7 FOOTBALL FIELD LAYOUT PLAN
Scale: 1"=40'-0"



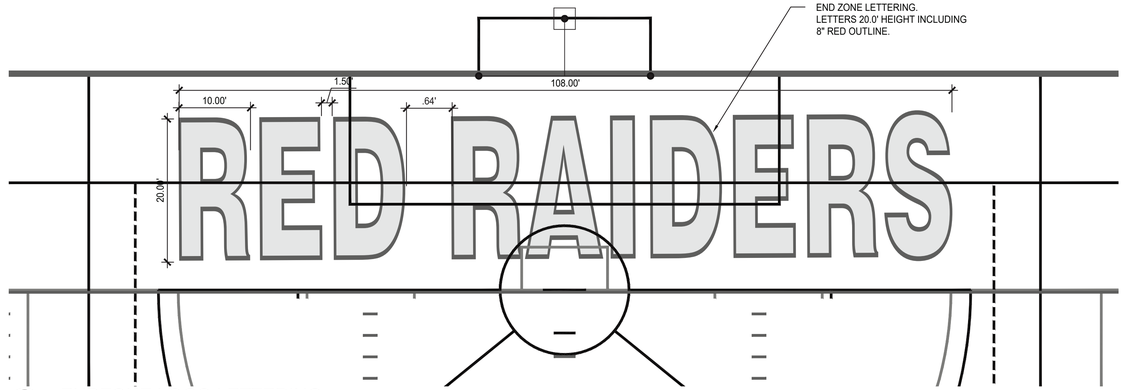
8 FOOTBALL SIDELINE LAYOUT PLAN
Scale: 1"=10'



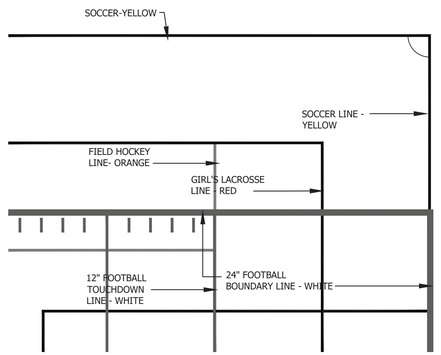
9 GIRLS LACROSSE GOAL AREA DETAIL
Scale: 1"=20'



10 COMMON MID-LINE LINESTRIPING
Scale: 1"=10'



11 ENDZONE LOGO LETTERING
Scale: 1"=10'



12 COMMON BOUNDARY LINESTRIPING
Scale: 1"=10'

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Landscape Architect & Civil Engineer: The LA GROUP Landscape Architecture & Engineering P.C. Poughkeepsie, New York
Structural Engineer: - - - - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-0-016-035
PRESS BOX (BLEACHERS) SBL# 50-02-01-06-7-035-001
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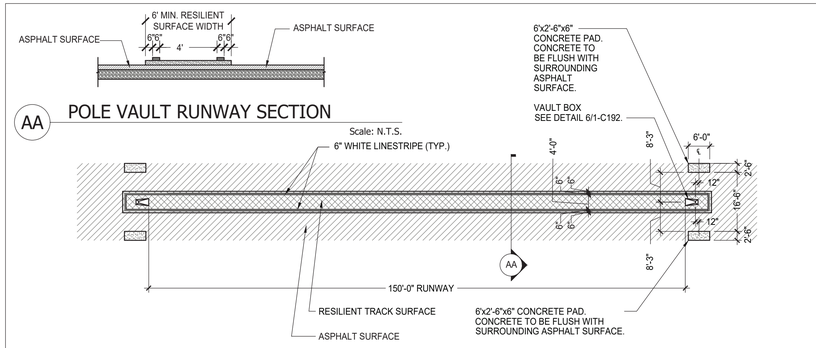
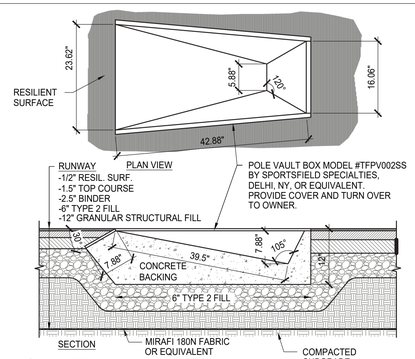
www.shilale.com

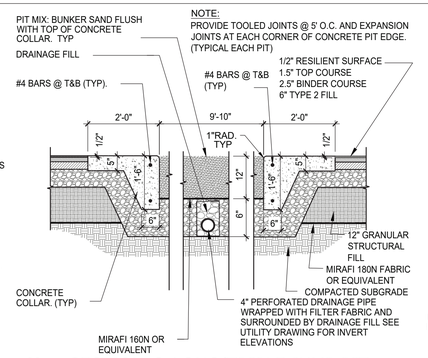
Drawing Title: FIELD LINESTRIPING PLAN

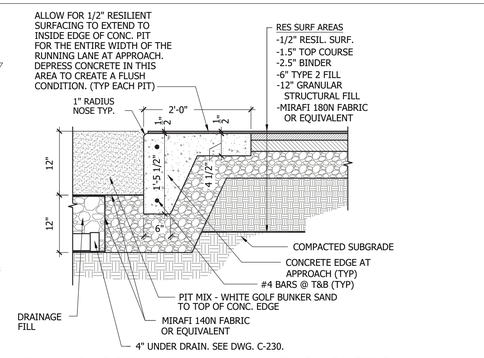
Drawing No. C-301

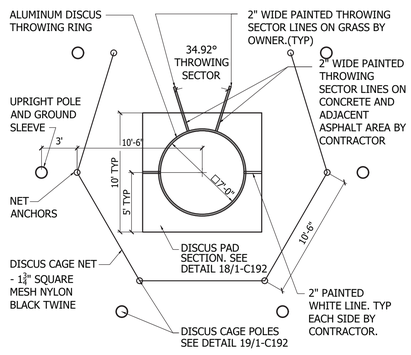
of X

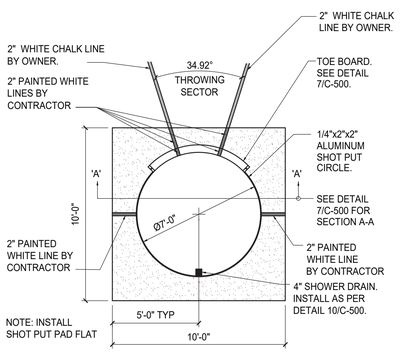


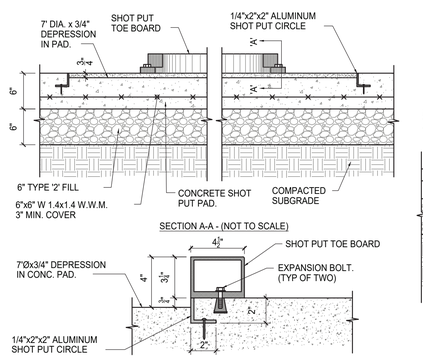


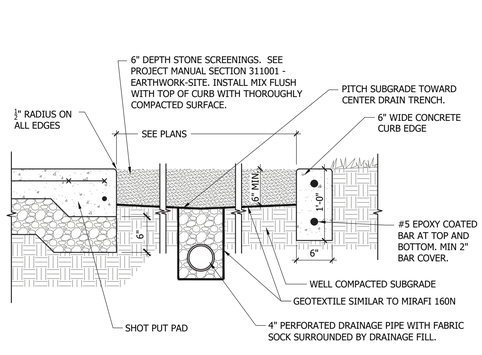


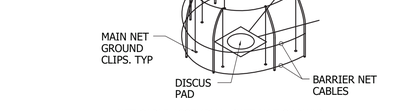


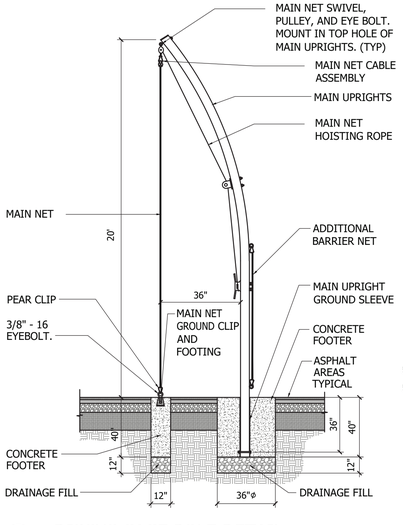


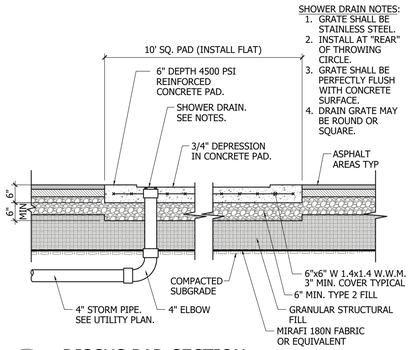


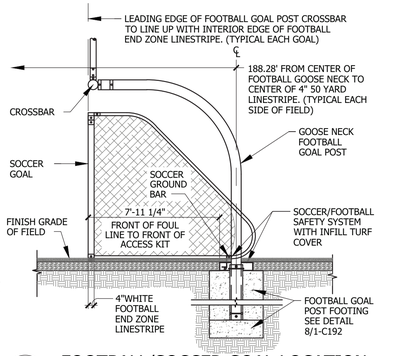


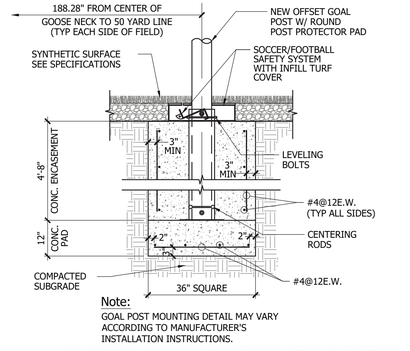


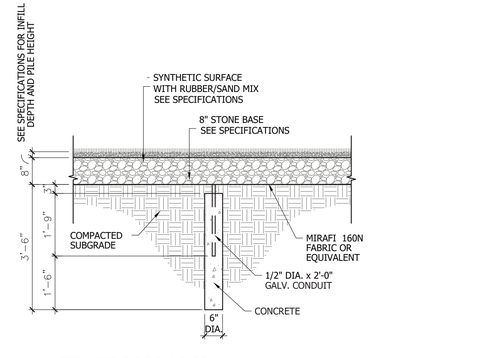












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0 1/2 1
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Drawn by	JFK
Checked by	JFK
Project No.	42051
Scale	AS NOTED
Date	10/28/2022

The LA GROUP
Landscape Architecture & Engineering P.C.
Maple Avenue, Nyack, New York
Landscape Architect & Civil Engineer:
Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL SBM# 50-02-01-06-0-016-035
PRESS BOX (BOOM) SBM# 50-02-01-06-7-026-001
CONCESSION STAND & WATER TANK SBM# 50-02-01-06-7-009-001
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HSA
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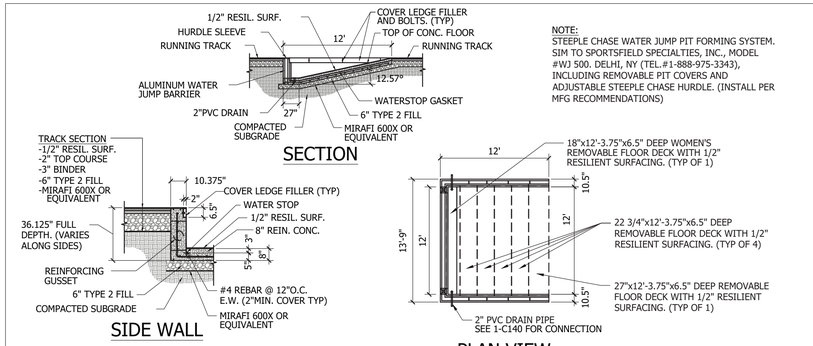
Drawing Title
ATHLETIC FIELD DETAILS

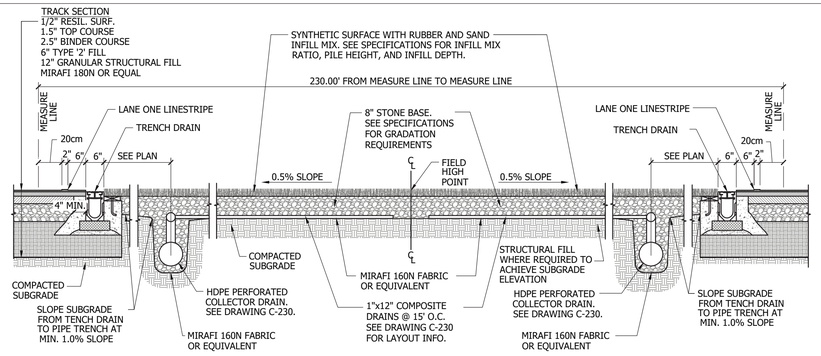
Drawing No.
C-500
of X



NOTE:
STEEPLE CHASE WATER JUMP PIT FORMING SYSTEM. SIM TO SPORTSFIELD SPECIALTIES, INC., MODEL #WJ 500. DELHI, NY (TEL.#1-888-975-3343), INCLUDING REMOVABLE PIT COVERS AND ADJUSTABLE STEEPLE CHASE HURDLE. (INSTALL PER MFG RECOMMENDATIONS)

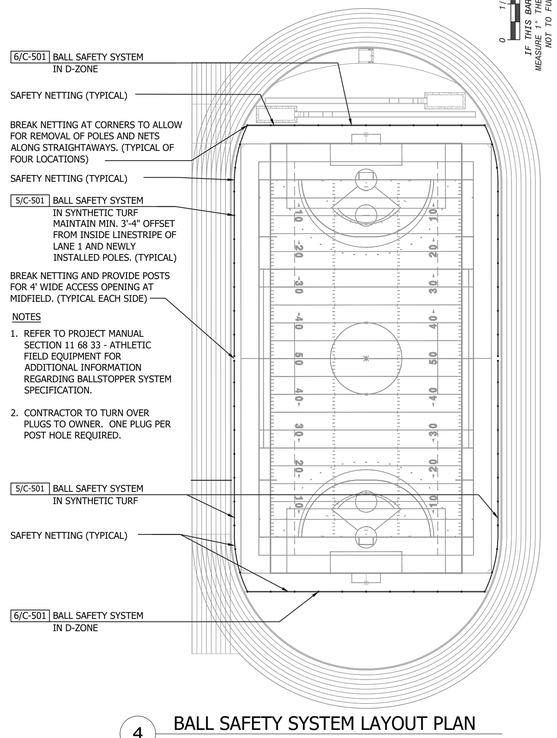
1 STEEPLE CHASE PIT WITH COVERS

Scale: N.T.S.



2 SYNTHETIC TURF FIELD SECTION

Scale: N.T.S.

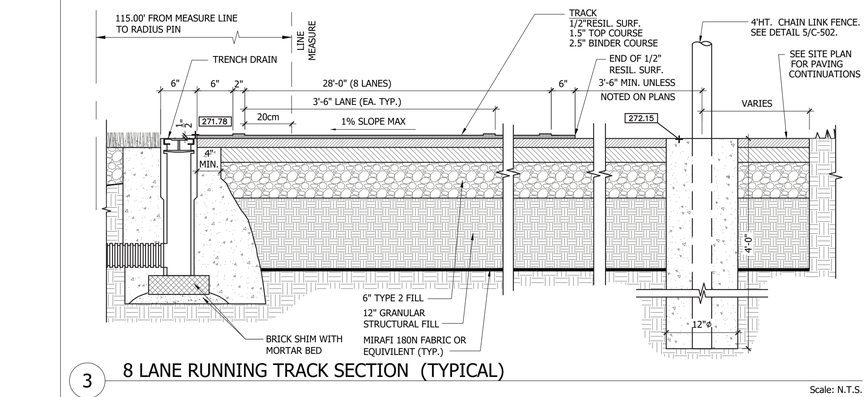


NOTES

1. REFER TO PROJECT MANUAL SECTION 11 68 33 - ATHLETIC FIELD EQUIPMENT FOR ADDITIONAL INFORMATION REGARDING BALLSTOPPER SYSTEM SPECIFICATION.
2. CONTRACTOR TO TURN OVER PLUGS TO OWNER. ONE PLUG PER POST HOLE REQUIRED.

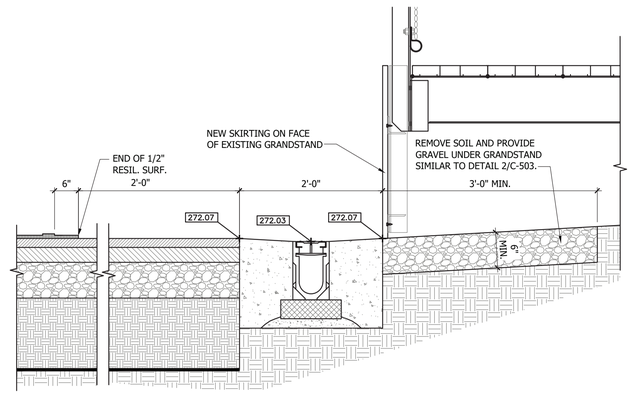
4 BALL SAFETY SYSTEM LAYOUT PLAN

N.T.S.

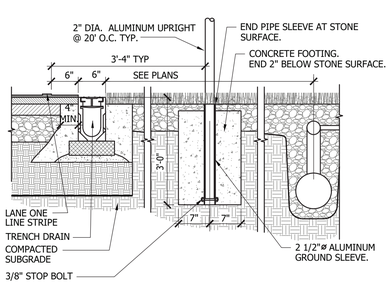


3 8 LANE RUNNING TRACK SECTION (TYPICAL)

Scale: N.T.S.

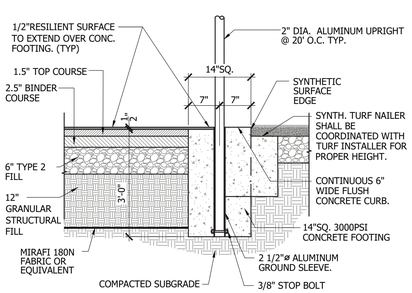


TRACK SECTION AT HOME GRANDSTAND



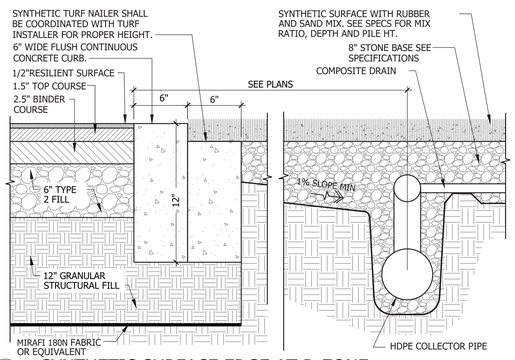
5 BALL SAFETY SYSTEM IN SYNTHETIC TURF

Scale: N.T.S.



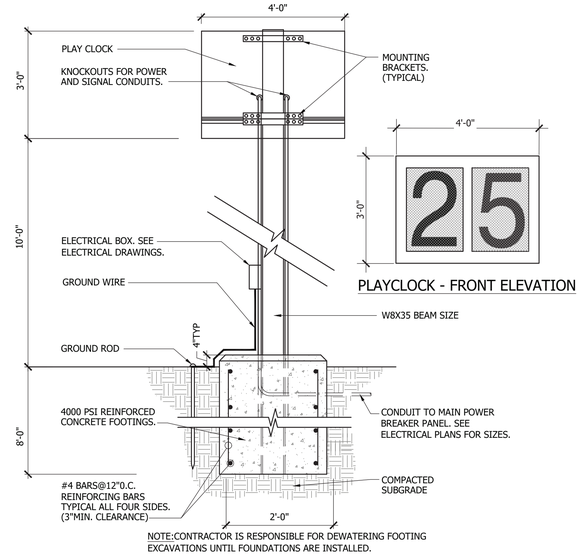
6 BALL SAFETY SYSTEM IN D-ZONE

Scale: N.T.S.



7 SYNTHETIC SURFACE EDGE AT D-ZONE

Scale: N.T.S.



PLAYCLOCK - FRONT ELEVATION

PLAYCLOCK - REAR ELEVATION

8 PLAY CLOCK

Scale: N.T.S.

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No.	Date	Revisions
4	4-27-23	Revisions
3	3-13-23	SED Addendum 2
2	12-19-22	SED Addendum 1
1	10-28-22	BIDDING DOCUMENTS

Drawn by JFK
Checked by JFK
Project No. 42051
Scale AS NOTED
Date 10/28/2022

The LA GROUP
Landscape Architecture & Engineering, PC.
Hyde Park, New York

Landscape Architect & Civil Engineer:

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL SBL#'s 50-02-01-06-0-015-005
PRESS BOX (BLOCK) SBL#'s 50-02-01-06-7-005.001
CONCESSION/STORAGE (BLOCK) SBL#'s 50-02-01-06-7-009.001
FIELDHOUSE SBL#'s 50-02-01-06-7-008.001

100 Hammond Rd.
Thiells, NY 10984

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

HSA
MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

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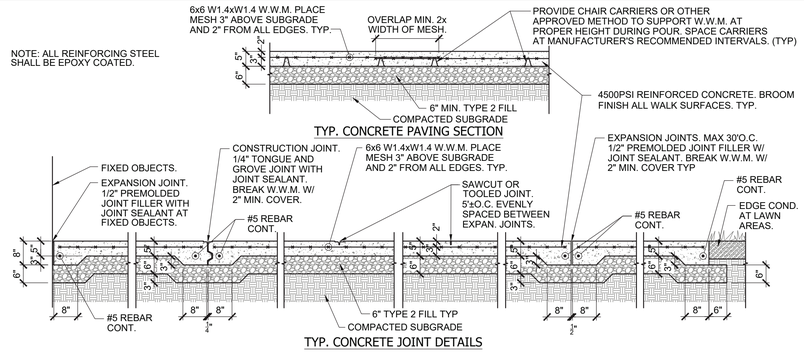
Drawing Title
ATHLETIC FIELD DETAILS

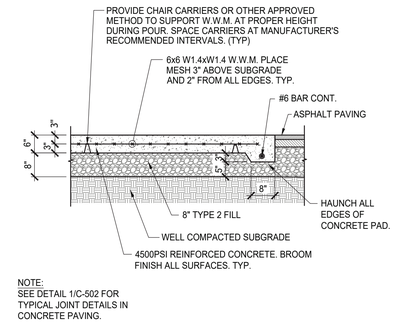
Drawing No.
C-501

of X



1 CONCRETE PAVING DETAILS

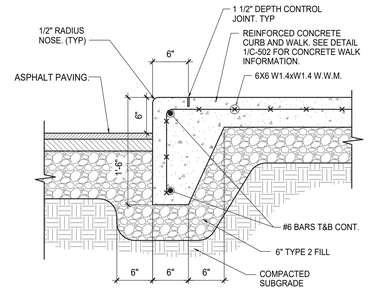
Scale: 1/2"=1'-0"



2 CONCRETE PAD

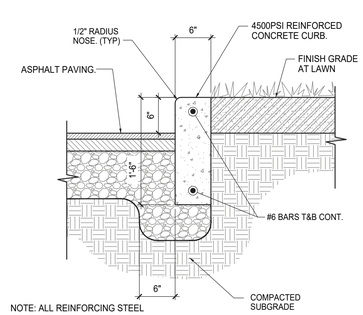
ALL REINFORCING SHALL BE EPOXY COATED.

Scale: N.T.S.



3 INTEGRAL CONCRETE CURB & WALK

Scale: N.T.S.



4 CONCRETE CURB AT LAWN

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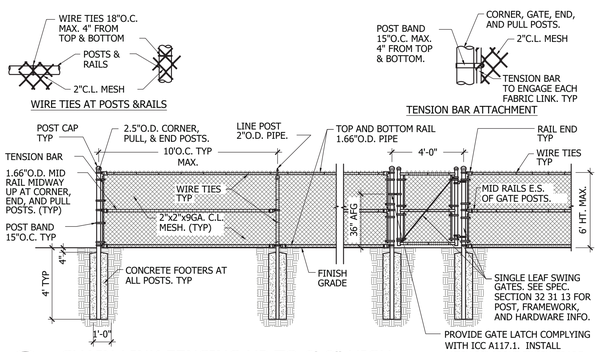
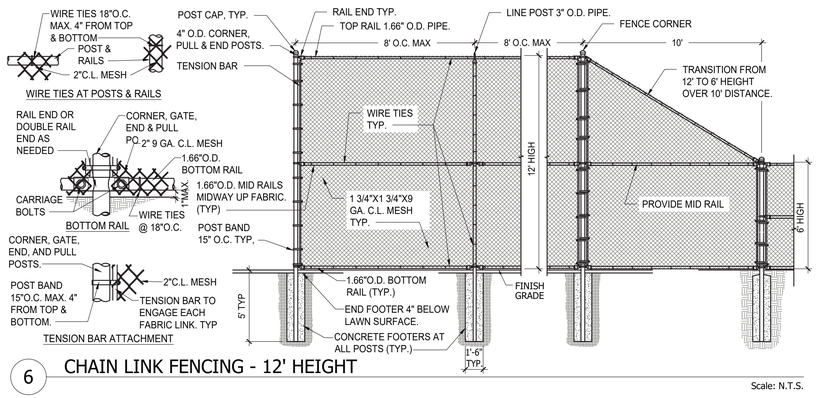


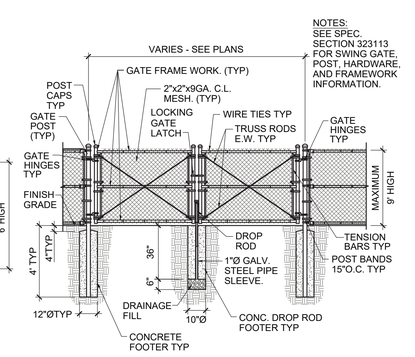
5 CHAIN LINK FENCING UP TO 6'-0" HIGH

Scale: N.T.S.



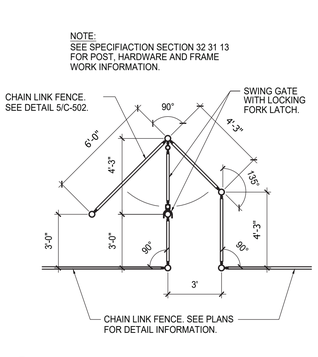
6 CHAIN LINK FENCING - 12' HEIGHT

Scale: N.T.S.



7 DOUBLE SWING GATE

Scale: N.T.S.

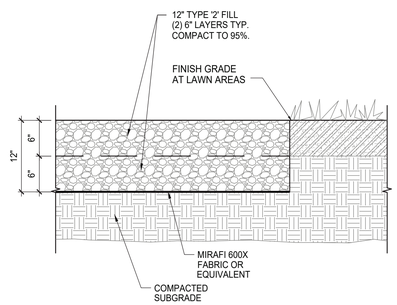


8 V - GATE

Scale: N.T.S.

9 **DETAIL SPACE NOT USED**

Scale: N.T.S.



10 GRAVEL PAVING

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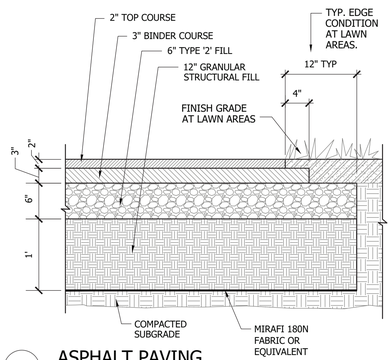
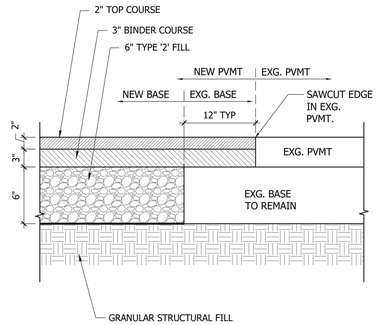


11 ASPHALT PAVING

Scale: N.T.S.



12 NEW TO EXG ASPHALT PAVEMENT (HEAVY DUTY)

Scale: N.T.S.

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3	1-12-23	SED Addendum 2
4	4-27-23	Revisions

IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

0 1/2 1

Drawn by: JFK
Checked by: JFK
Project No.: 42051
Scale: AS NOTED
Date: 10/28/2022

Landscape Architect & Civil Engineer: The LA GROUP, Landscape Architecture & Engineering, P.C., Poughkeepsie, New York

Structural Engineer: - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-0-016-035
PRESS BOX (DEMO) SBL# 50-02-01-06-7-008-001
CONCESSION/RESTROOM (NEW) SBL# 50-02-01-06-7-009-001
FIELDHOUSE SBL# 50-02-01-06-7-008-001

106 Hammond Rd.
Thiells, NY 10984

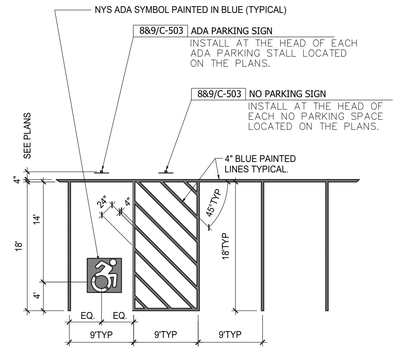
TOWN OF ORANGETOWN
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

Drawing Title: SITE DETAILS

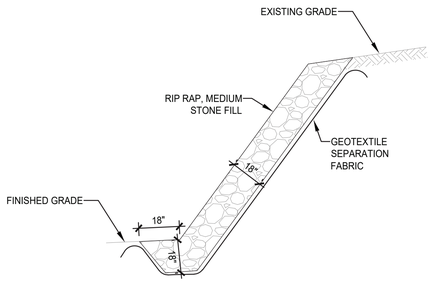
Drawing No.: C-502

of X



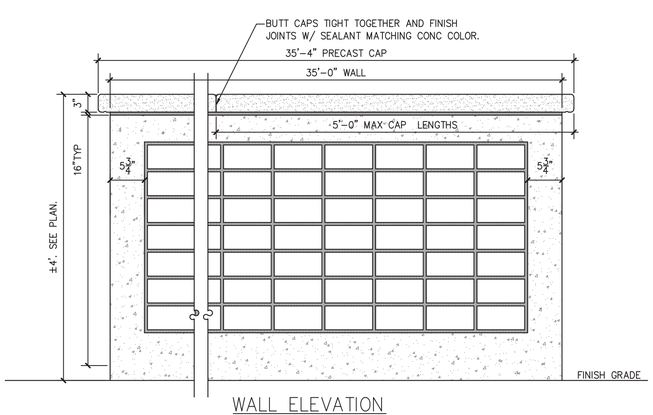
1 ACCESSIBLE PARKING LINESTRIPING

Scale: 1"=10'-0"

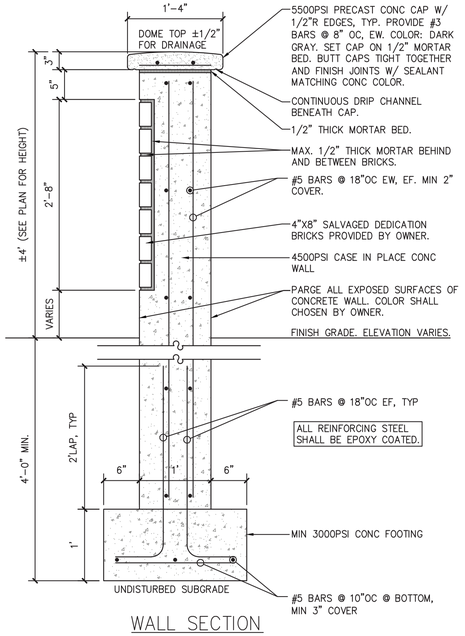


2 STONE ON A SLOPE

Scale: N.T.S.



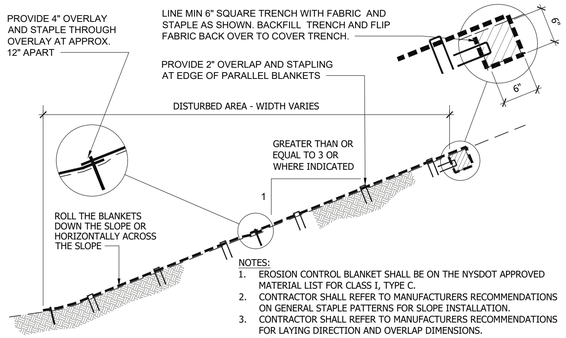
WALL ELEVATION



WALL SECTION

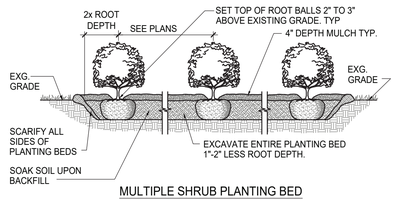
3 CONCRETE DEDICATION WALL

Scale: N.T.S.



4 EROSION CONTROL BLANKET

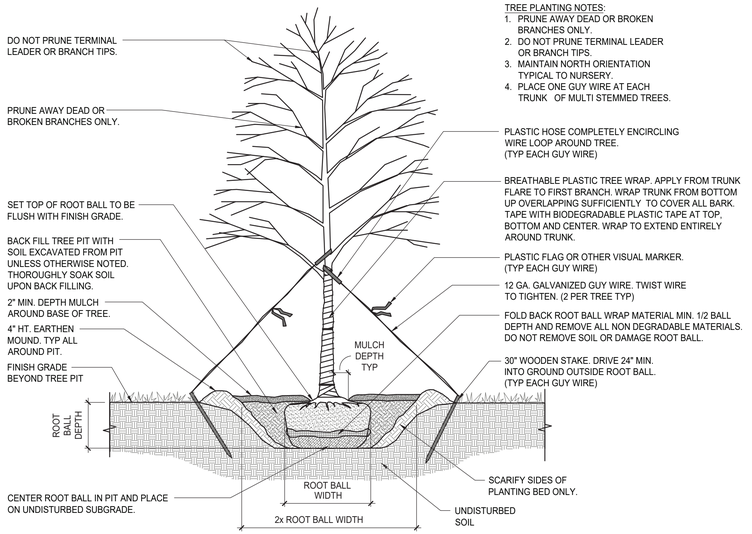
Scale: N.T.S.



MULTIPLE SHRUB PLANTING BED

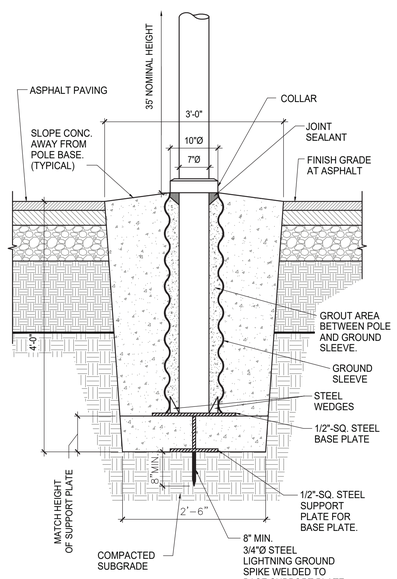
5 SHRUB PLANTING DETAILS

Scale: N.T.S.



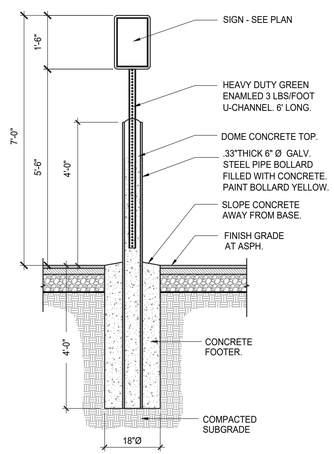
6 TYPICAL TREE PLANTING DETAIL

Scale: N.T.S.



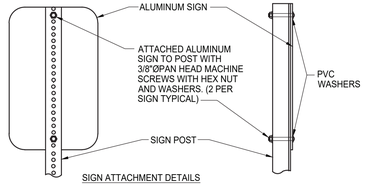
7 FLAG POLE BASE

Scale: 1"=1'-0"

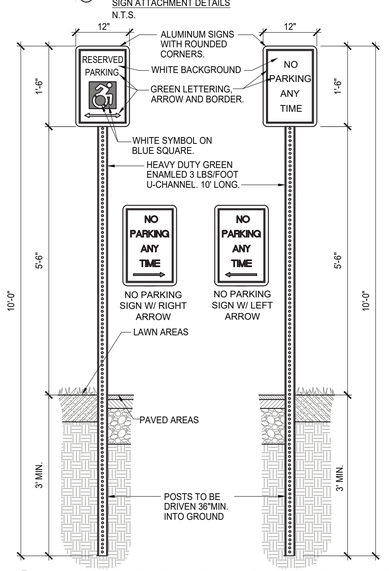


8 SIGN IN BOLLARD

Scale: N.T.S.



SIGN ATTACHMENT DETAILS
N.T.S.



9 ACCESSIBLE AND NO PARKING SIGNS

Scale: 3/4"=1'-0"

1/2" 0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

No.	Date	Revisions
1	10-28-22	BIDDING DOCUMENTS
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Checked by JFK
Project No. 42051
Scale AS NOTED
Date 10/28/2022

Landscape Architect & Civil Engineer: The LA GROUP, Landscape Architecture & Engineering, P.C., Poughkeepsie, New York

Structural Engineer: - - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-0-015-035
PRESS BOX (BLDG) SBL# 50-02-01-06-7-035-001
CONCESSIONS/STORAGE (BLDG) SBL# 50-02-01-06-7-079-001
FIELDHOUSE SBL# 50-02-01-06-7-008-001

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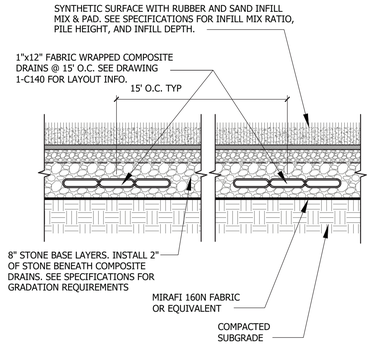
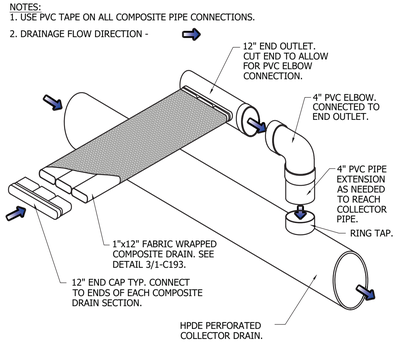
Drawing Title
SITE DETAILS

Drawing No.
C-503
of X



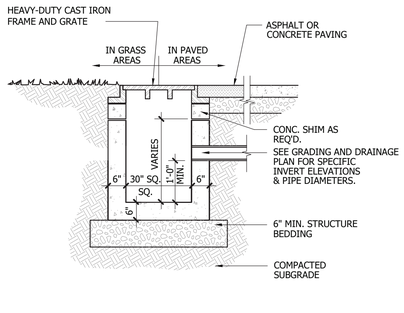
1 COMPOSITE DRAINS

Scale: N.T.S.



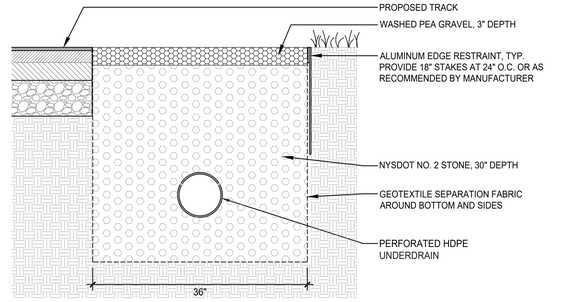
2 COMPOSITE DRAIN CONNECTIONS

Scale: N.T.S.



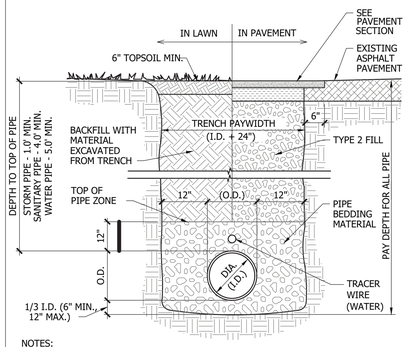
3 DROP INLET

Scale: N.T.S.



4 STONE TRENCH WITH UNDERDRAIN

Scale: N.T.S.

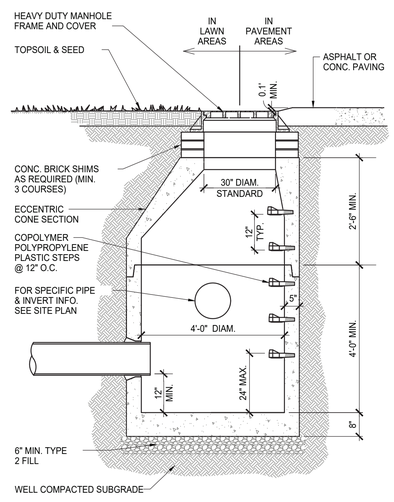


NOTES:

1. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
2. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY SHORING/DEWATERING.
3. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.
4. MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS AS REQUIRED BY OSHA REGULATIONS.
5. MINIMUM BURY DEPTHS SHOWN ABOVE APPLY UNLESS OTHERWISE NOTED ON THE DRAWINGS.
6. BEDDING FOR ALL PIPING TO BE NATIVE MATERIAL. MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO PLACEMENT.

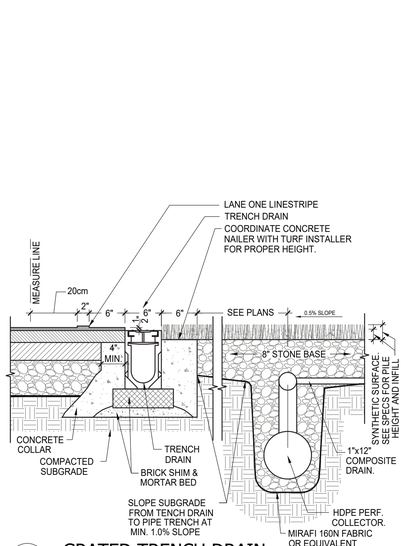
5 PIPE TRENCH

Scale: N.T.S.



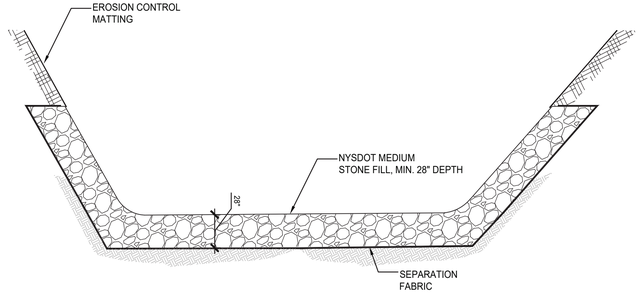
6 CATCH BASIN

Scale: N.T.S.



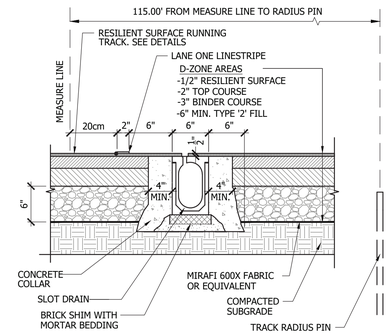
7 GRATED TRENCH DRAIN

Scale: N.T.S.



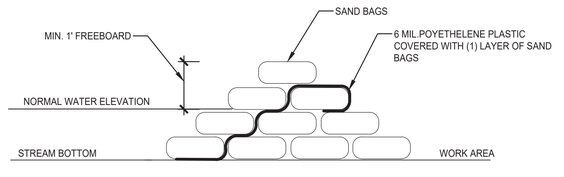
9 RIPRAP CHANNEL/SLOPE PROTECTION

Scale: NTS



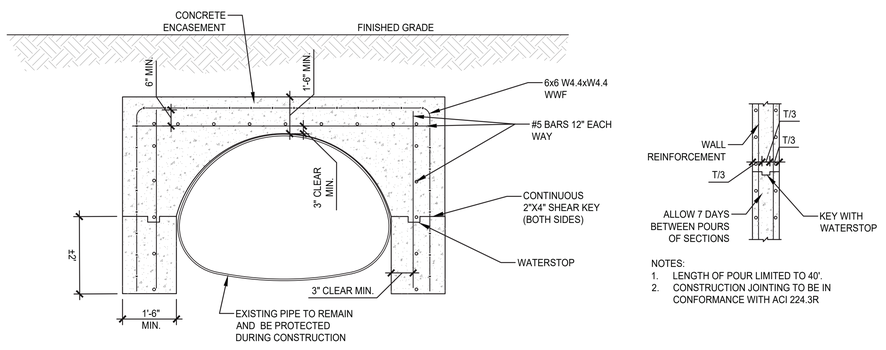
10 SLOT DRAIN SECTION @ D-ZONE

Scale: N.T.S.



8 COFFER DAM (ALTERNATE ONLY)

Scale: NTS

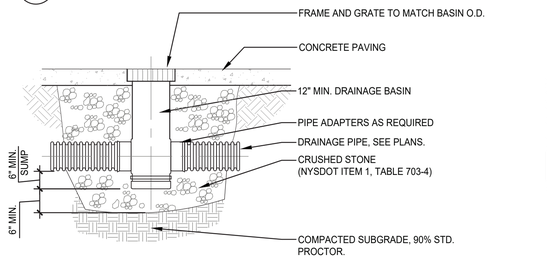


11 CULVERT PROTECTION

Scale: N.T.S.

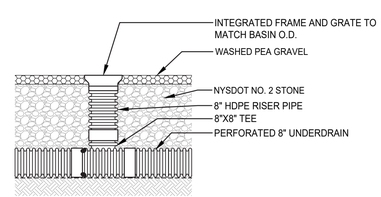
NOTES:

1. LENGTH OF POUR LIMITED TO 40'.
2. CONSTRUCTION JOINTING TO BE IN CONFORMANCE WITH ACI 224.3R



12 YARD DRAIN

Scale: N.T.S.



13 IN-LINE AREA DRAIN

Scale: N.T.S.

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0 1/2 1

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No.	Date	Revisions
1	10-28-22	BIDDING DOCUMENTS
2	12-19-22	SED Addendum 1
3	1-12-23	SED Addendum 2
4	4-27-23	Revisions

Drawn by JFK
Checked by JFK
Project No. 42051
Scale AS NOTED
Date 10/28/2022

The LA GROUP
Landscape Architecture & Engineering, P.C.
Poughkeepsie, Albany, Rhinebeck

Landscape Architect & Civil Engineer:

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-0-016-005
PRESS BOX (BOAT): SBL# 00-02-01-06-7-008-001
CONCESSION/RESTROOM BUILDING: SBL# 00-02-01-06-7-009-001
FIELDHOUSE: SBL# 00-02-01-06-7-008-001

106 Hammond Rd.
Thiells, NY 10984

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-8200
www.shilale.com

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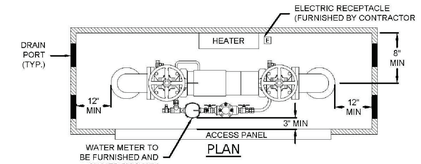
Drawing Title
SITE UTILITY DETAILS

Drawing No.
C-504

of X



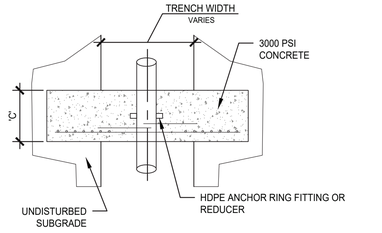
NOTE:

1. ALL METERING ELEMENTS AND APPURTENANCES SHALL BE INSTALLED HORIZONTALLY.
2. THE 5/8" BYPASS METER SHALL BE FURNISHED AND OWNED BY SWNY. ALL OTHER EQUIPMENT AND APPURTENANCES SHALL BE FURNISHED AND INSTALLED BY THE OWNER.
3. THE DISTANCE FROM THE FLOOR TO THE PIPE CENTERLINE SHALL BE A 30" MINIMUM.
4. FREEZE PROTECTION ENCLOSURES SHALL HAVE REMOVABLE ACCESS PANELS THAT ALLOW ADEQUATE SPACE TO PERFORM MAINTENANCE DUTIES ON ALL COMPONENTS WITHOUT COMPLETELY ENTERING THE ENCLOSURE.
5. THE ENCLOSURE SHALL BE ANCHORED TO A CONCRETE PAD OR FOOTER TO SECURE ITS LOCATION AND IMPEDE THEFT AND VANDALISM.
6. THE JOINT FIRE CHIEFS HAS REQUESTED A POWER INDICATING LIGHT BE INSTALLED ON THE OUTSIDE OF THE HOT BOX.

APPROX. DIMENSIONS		DOUBLE DETECTOR CHECK VALVE	
ITEM	90 DEG. BEND	DIAMETER	LENGTH
METER SIZE (IN.)	A		B
2"	4 1/2"	2"	22 1/2"
3"	5 1/2"	3"	38"
4"	6 1/2"	4"	40"
6"	8"	6"	48 1/2"
8"	9"	8"	52 1/2"
10"	11"	10"	55 1/2"

1 6" BACKFLOW PREVENTER IN HEATED ENCLOSURE

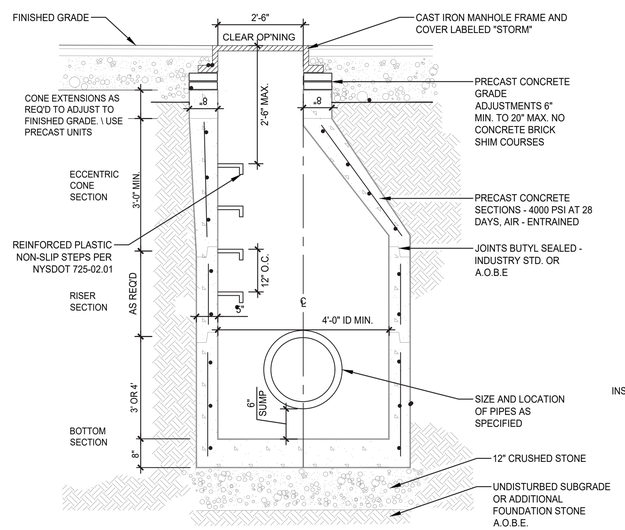
Scale: N.T.S.



PIPE SIZE	DIMENSION SCHEDULE		
	A	B	C
4"	1'-0"	1'-3"	8"

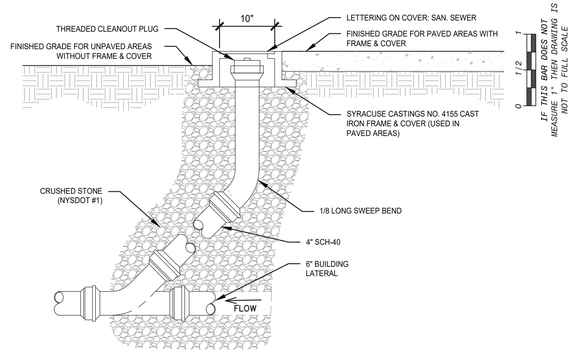
2 CONCRETE ANCHOR COLLAR

Scale: NTS



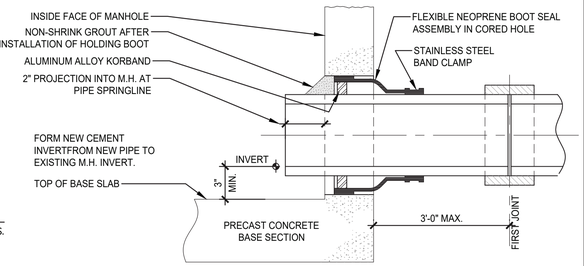
3 STORMWATER MANHOLE

Scale: N.T.S.



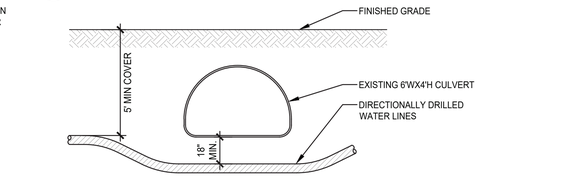
4 SANITARY CLEANOUT

Scale: N.T.S.



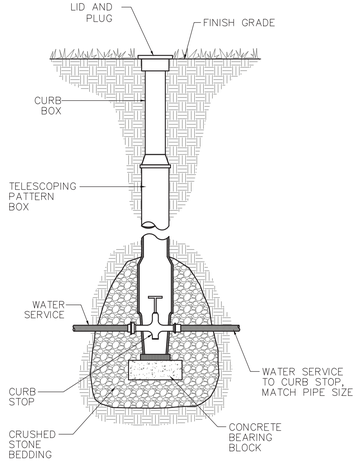
5 CONNECTION TO EXISTING CB

Scale: N.T.S.



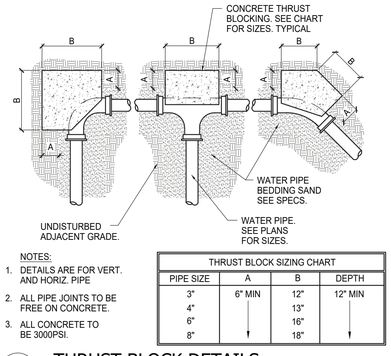
6 WATER CROSSING AT CULVERT

Scale: N.T.S.



7 CURB STOP VALVE

Scale: N.T.S.



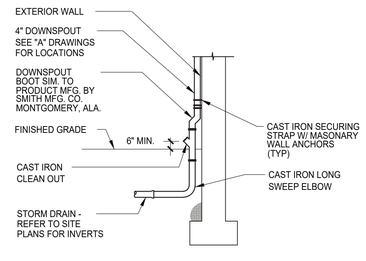
NOTES:

1. DETAILS ARE FOR VERT. AND HORIZ. PIPE
2. ALL PIPE JOINTS TO BE FREE ON CONCRETE.
3. ALL CONCRETE TO BE 3000PSI.

THRUST BLOCK SIZING CHART			
PIPE SIZE	A	B	DEPTH
3"	6" MIN	12"	12" MIN
4"		13"	
6"		16"	
8"		18"	

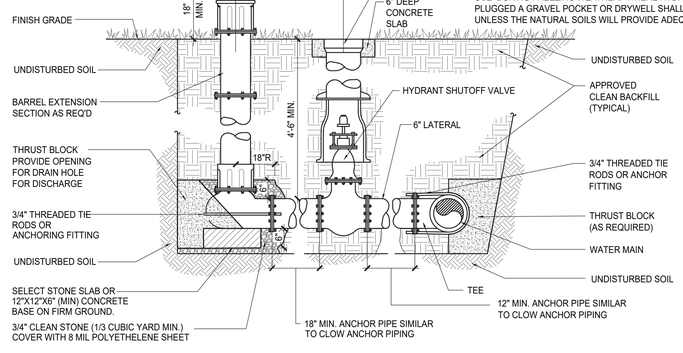
8 THRUST BLOCK DETAILS

Scale: N.T.S.



9 DOWNSPOUT CONNECTION DETAIL

Scale: N.T.S.

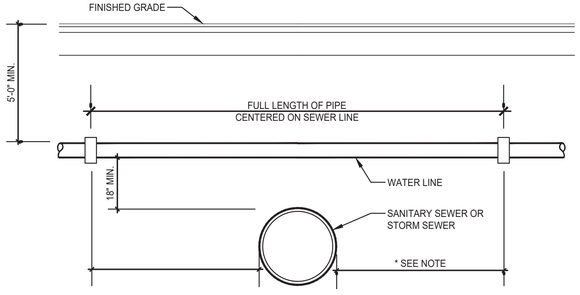


10 FIRE HYDRANT

Scale: N.T.S.

NOTES:

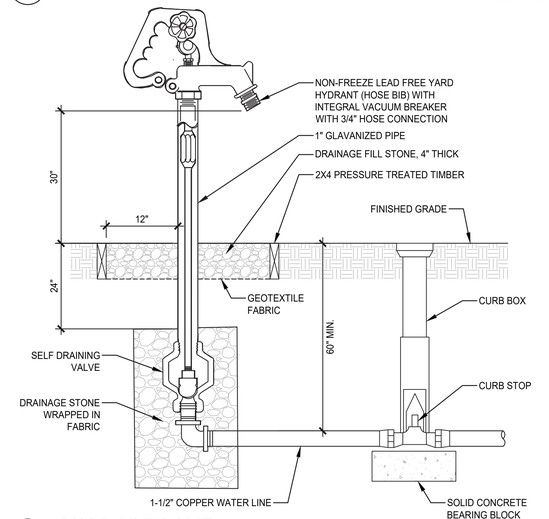
1. RETAINER GLANDS AND CONCRETE THRUST BLOCKS OR TIE RODS AND CONCRETE THRUST BLOCKS SHALL BE USED AT ALL LOCATIONS WHERE RESTRAINTS ARE REQUIRED.
2. IF GROUNDWATER IS ENCOUNTERED WITHIN 7 FEET OF GRADE, HYDRANT DRAIN HOLES SHALL BE MECHANICALLY PLUGGED. WHEN DRAINS ARE PLUGGED THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. WHERE HYDRANTS ARE NOT PLUGGED A GRAVEL POCKET OR DRYWELL SHALL BE PROVIDED UNLESS THE NATURAL SOILS WILL PROVIDE ADEQUATE DRAINAGE.



NOTE:
(REFERENCE - "TEN STATE STANDARDS") WHEN INSTALLED PARALLEL, ALL WATER AND SEWER LINES SHALL HAVE A MINIMUM SEPARATION OF 10' EDGE TO EDGE. IF MINIMUM CANNOT BE MAINTAINED, WATER MAIN SHALL BE IN SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF TO ONE SIDE OF SEWER, WITH BOTTOM OF WATER MAIN 18" MINIMUM ABOVE TOP OF SEWER PIPE. WHEN CROSSING, MAINS SHALL BE INSTALLED TO INSURE 18" MINIMUM VERTICAL SEPARATION BETWEEN PIPES, OUTSIDE TO OUTSIDE. WHERE WATER MAIN IS UNDERNEATH SEWER, ADEQUATE STRUCTURAL SUPPORT SHALL BE PROVIDED FOR THE SEWER TO PREVENT DAMAGE TO WATER MAIN. WHEN IT IS IMPOSSIBLE TO PROVIDE THE ABOVE MINIMUMS, THE SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER PIPE, AND SHALL BE PRESSURE TESTED TO ASSURE WATERTIGHTNESS PRIOR TO BACKFILLING.

11 UTILITY CROSSING

Scale: N.T.S.



12 YARD HYDRANT

Scale: N.T.S.

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

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Drawn by	JFK
Checked by	JFK
Project No.	42051
Scale	AS NOTED
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The LA GROUP
Landscape Architecture & Engineering, P.C.
Poughkeepsie, Albany, Rye, Rochester
Landscape Architect & Civil Engineer:
Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL
PROJECTS – PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-0-016-035
PRESS BOX (DEMO): SBL# 50-02-01-06-7-035-001
CONCESSIONS & TOILETS: SBL# 50-02-01-06-7-035-001
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Drawing Title
SITE UTILITY DETAILS

Drawing No.
C-505

of X

LEGEND:

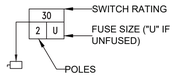
NEW CONDUIT WITH CABLES. REFER TO DRAWINGS FOR SIZE OF CONDUIT AND CABLES

ATHLETIC FIELD POLE WITH LED LUMINAIRES. FOR POLE HEIGHT AND LUMINAIRE REFER SCHEDULE.

ELECTRICAL GROUNDING

FURNISH AND INSTALL UNDERGROUND ROADWAY TYPE ELECTRIC PULLBOX WITH CAST IRON FRAME AND COVER WITH LABEL "ELECTRIC". FRAME AND COVER SHALL BE FLUSH WITH GRADE. SIZE AS INDICATED ON DRAWINGS.

FURNISH & INSTALL UNDERGROUND ROADWAY TYPE FIBER/COMMUNICATIONS PULLBOX WITH CAST IRON FRAME AND COVER WITH LABEL "FIBER". FRAME AND COVER SHALL BE FLUSH WITH GRADE. SIZE 24"(L)X18"(W)X30"(D) U.O.I.



POLE MOUNTED DISCONNECT SWITCH, RATING AND FUSING AS NOTED. 'WP' INDICATES WEATHERPROOF NEMA 3R ENCLOSURE, OTHERWISE.

G — FURNISH AND INSTALL COPPER WELDED GROUND ROD IN A BOX

AF-01 — FURNISH AND INSTALL ALUMINIUM TAG ON LAMPPOST/LIGHT POLE.

NEW PANEL, SURFACE MOUNTED

J — ELECTRICAL JUNCTION BOX

WP — DUPLEX THREE WIRE GROUNDED RECEPTACLE, 20A, 125V, WITH 2 USB OUTLETS. (NEMA 5-20R) WITH "GFI" GROUND FAULT INTERRUPTER STANCHION MOUNTED WEATHERPROOF OUTLET. LEGRAND OUTDOOR POWER PEDESTAL WITH HINGED COVER.

FURNISH AND INSTALL 100W COLITE SOLAR LIGHT ON 25' POLE ON CONCRETE FOUNDATION ALONG WITH ALL ACCESSORIES AND FITTINGS. REFER TO DETAIL ON DRAWING CE-003

ELECTRICAL NOTES:

1. THE CONTRACTOR IS TO COORDINATE ALL SHUTDOWNS AND DISRUPTIONS TO NORMAL SERVICES WITH THE RESIDENT ENGINEER, ALL OTHER TRADES AND THE FACILITY.
2. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY UNAUTHORIZED DISRUPTION AND POWER OUTAGES.
3. MAINTAIN CIRCUIT CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION/CONSTRUCTION WORK.
4. CONTRACTOR IS TO TRACE AND PROTECT ALL FEEDER & BRANCH CIRCUITS FOR ALL AREAS OF THE ATHLETIC FIELD AND ALL OTHER ELECTRICAL EQUIPMENT (INCLUDING THE STORAGE ROOM) DURING DEMOLITION AND CONSTRUCTION. ELECTRICAL CONTRACTOR IS REQUIRED TO COORDINATE THIS REQUIREMENT WITH THE GENERAL CONTRACTOR AND ALL OTHER TRADES.
5. ROUTING OF ELECTRICAL CONDUITS IF SHOWN IN THE DRAWINGS ARE TENTATIVE. THE CONTRACTOR IS RESPONSIBLE TO FINALIZE THE ROUTING OF ALL ELECTRICAL CONDUITS AT FIELD IN COORDINATION WITH ALL OTHER TRADES, EXISTING AND NEW BUILDING ELEMENTS, STRUCTURES, PIPES, EQUIPMENT, LANDSCAPING ETC., FOR CODE COMPLIANT INSTALLATION.
6. ALL ELECTRIC SERVICES AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE PLANS AND THE NATIONAL ELECTRIC CODE (NEC).
7. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE CODE COMPLIANT GROUNDING OF THE SERVICE, EQUIPMENT AND THE LIGHTING POLE AS REQUIRED.
8. PROVIDE COLOR CODING FOR BRANCH CIRCUITS & FEEDERS AS FOLLOWS FOR 120/208V. CONDUCTORS;
   BLACK PHASE "A"
   RED PHASE "B"
   BLUE PHASE "C"
   WHITE NEUTRAL
   GREEN GROUNDING
9. PROVIDE COLOR CODING FOR BRANCH CIRCUITS & FEEDERS AS FOLLOWS FOR 277/480V. CONDUCTORS:
   BROWN PHASE "A"
   ORANGE PHASE "B"
   YELLOW PHASE "C"
   GREY NEUTRAL
   GREEN GROUNDING
10. ALL FIBER/COMMUNICATION AND POWER CONDUITS MUST BE RUN 24" BELOW GRADE. U.O.I.

FLAG POLE LIGHT FIXTURE SCHEDULE

TYPE	(W)	VOLT	COMMENTS	MOUNTING	LAMP	MANUFACTURER CATALOG NUMBER	REMARKS
F	54 W	277 V	FLAG POLE	IN-GRADE	LED	HYDREL #M9820-B-LED-WHT41K-MVOLT-NSP-FL	3 IN-GRADE LUMINAIRES INSTALLED SEPARATED 120° APART

LUMINAIRE SCHEDULE

TYPE	WATTAGE	SOURCE AND ENGINE	OPERATING VOLTAGE	QTY
MUSCO TLC-LED-1500	1430W	160K LUMENS - 75 CRI	480V,3 PH,60Hz	40
MUSCO TLC-LED-400	400W	46.5K LUMENS - 75 CRI	480V,3 PH,60Hz	4
MUSCO TLC-LED-900	890W	89.6K LUMENS - 75 CRI	480V,3 PH,60Hz	2
MUSCO TLC-BT-575	575W	52K LUMENS - 75 CRI	480V,3 PH,60Hz	8

ABBREVIATIONS

A	AMPERE	KW	KILOWATT
AC	ALTERNATING CURRENT	KWH	KILOWATT HOUR
C	CONDUIT	Hz	HERTZ
CB	CIRCUIT BREAKER	N	NEUTRAL
CKT(S)	CIRCUIT(S)	PNL	PANEL
DWG	DRAWING	PWR	POWER
E	EXISITNG TO REMAIN	REL	RELOCATED
ER	EXISITNG TO BE REMOVED	RGC	RIGID GALVANIZED CONDUIT
ERR	EXISITNG TO BE RELOCATED	UOI	UNLESS OTHERWISE INDICATED
GND	GROUND	V	VOLT

POLE/LUMINAIRE SUMMARY

POLE ID	POLE HEIGHT	LUMINAIRE MOUNTING HEIGHT	LUMINAIRE QUANTITY	TOTAL LOAD	POLE MANUFACTURER	CIRCUIT
AF-01	90'	90'	11 TLC-LED-1500	15.73KW	MUSCO OR APPROVERD EQUAL	A
		90'	1 TLC-LED-900	0.89KW		A
		90'	1 TLC-LED-400	0.4KW		B
		20'	2 TLC-BT-575 AT 20'	1.15kW		A
AF-02	90'	90'	11 TLC-LED-1500	15.73KW	MUSCO OR APPROVERD EQUAL	A
		90'	1 TLC-LED-900	0.89KW		A
		90'	1 TLC-LED-400	0.4KW		B
		20'	2 TLC-BT-575 AT 20'	1.15kW		A
AF-03	80'	80'	9 TLC-LED-1500 AT 80'	12.87KW	MUSCO OR APPROVERD EQUAL	A
		16'	2 TLC-BT-575 AT 16'	1.15kW		A
		80'	1 TLC-LED-400 AT 80'	0.4kW		B
AF-04	80'	80'	9 TLC-LED-1500 AT 80'	12.87KW	MUSCO OR APPROVERD EQUAL	A
		16'	2 TLC-BT-575 AT 16'	1.15kW		A
		80'	1 TLC-LED-400 AT 80'	0.4kW		B

TOTAL LOAD - 65.18 kW @ 480V, 3PH

CONTROL SYSTEM EQUIPMENT LISTING

EQUIPMENT	QUANTITY	APPROX. SIZE
CONTROL & MONITORING CABINET*	1	24"X48"
CONTRACTORS**	4	2-30A AND 2-60A
TOTAL OFF/ON/AUTO SWITCHES	2	

* CONTROL VOLTAGE 120V
**CONTACTORS FOR EGRESS ZONE WILL BE LOCATED IN THE ALIC PANEL

SWITCHING SCHEDULE

DESCRIPTION	ZONE
FIELD/TRACK	1
EGRESS	2

CIRCUIT SUMMARY BY ZONE

POLE ID	CIRCUIT DESCRIPTION	FIXTURES & DRIVERS	FULL LOAD AMPS	CONTACTOR SIZE (IN A)	CONTACTOR ID	ZONE
AF-01	FIELD/TRACK	15	26.9	60	C1	1
AF-02	FIELD/TRACK	15	28.2	60	C2	1
AF-03	FIELD/TRACK	12	21.7	30	C3	1
AF-04	FIELD/TRACK	12	21.7	30	C4	1

1/2 — IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM #2
2	12-09-22	ADDENDUM #1
1	10-28-22	BIDDING DOCUMENTS

Drawn by DK
Checked by SH
Project No. 42051
Scale AS NOTED
Date 10/28/2022

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901
Mechanical & Electrical Engineer:

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901
Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

3

HIGH SCHOOL: SBL# 50-02-01-06-0-015-005
PRESS BOX (DEMO): SBL# 50-02-01-06-7-028-001
CONCESSIONS/PRESS BOX (NEW): SBL# 50-02-01-06-7-029-001
FIELDHOUSE: SBL# 50-02-01-06-7-006-001

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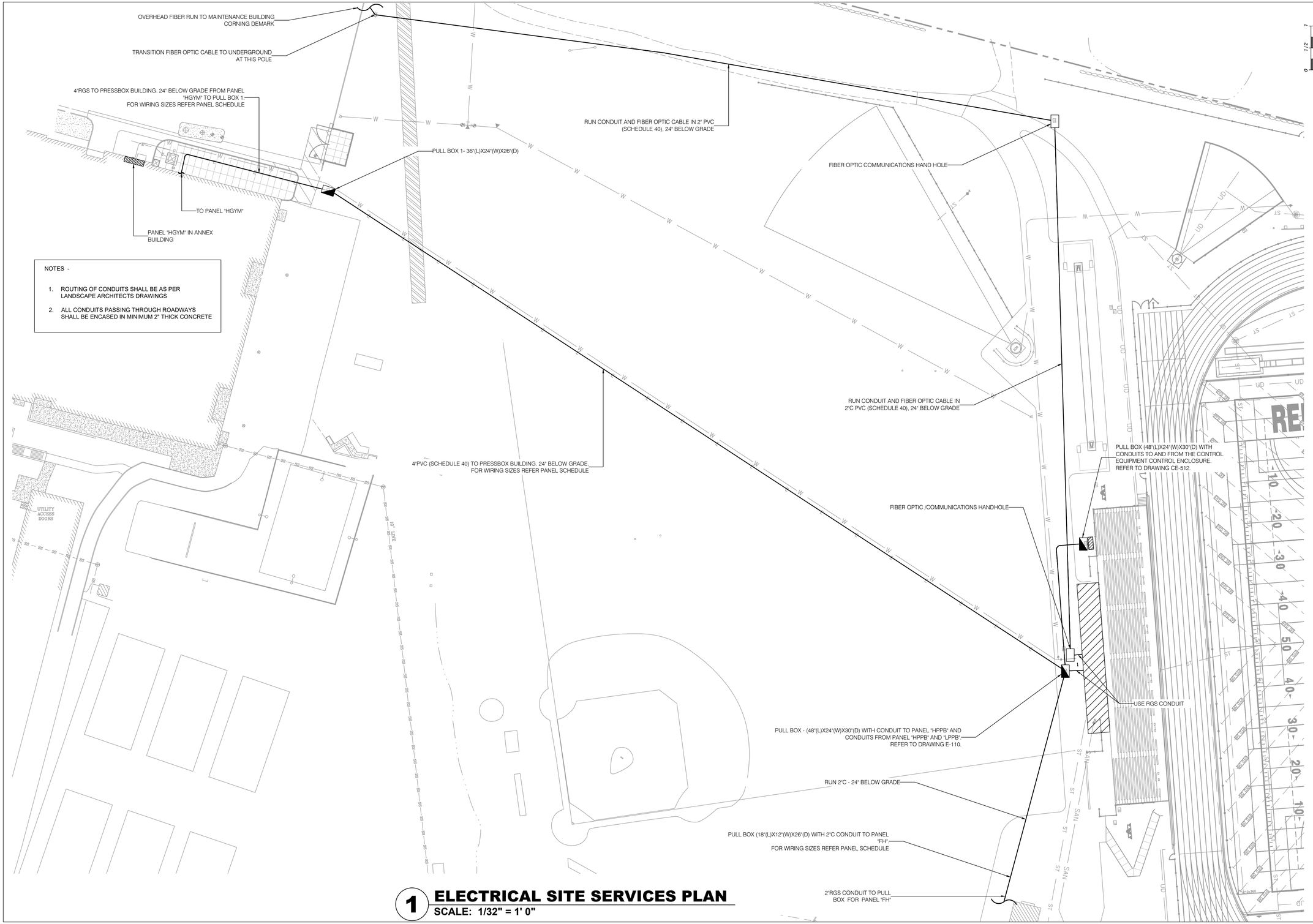
Drawing Title
ELECTRICAL SYMBOLS, GENERAL NOTES, SCHEDULES AND ABBREVIATIONS

Drawing No.
CE-001



1 ELECTRICAL SITE SERVICES PLAN

SCALE: 1/32" = 1' 0"

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM #2
2	12-09-22	ADDENDUM #1
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Drawn by DK
Checked by SH
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Mechanical & Electrical Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901

Structural Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-7-028-001
PRESS BOX (DEMO): SBL# 50-02-01-06-7-028-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
FIELDHOUSE SBL# 50-02-01-06-7-008-001

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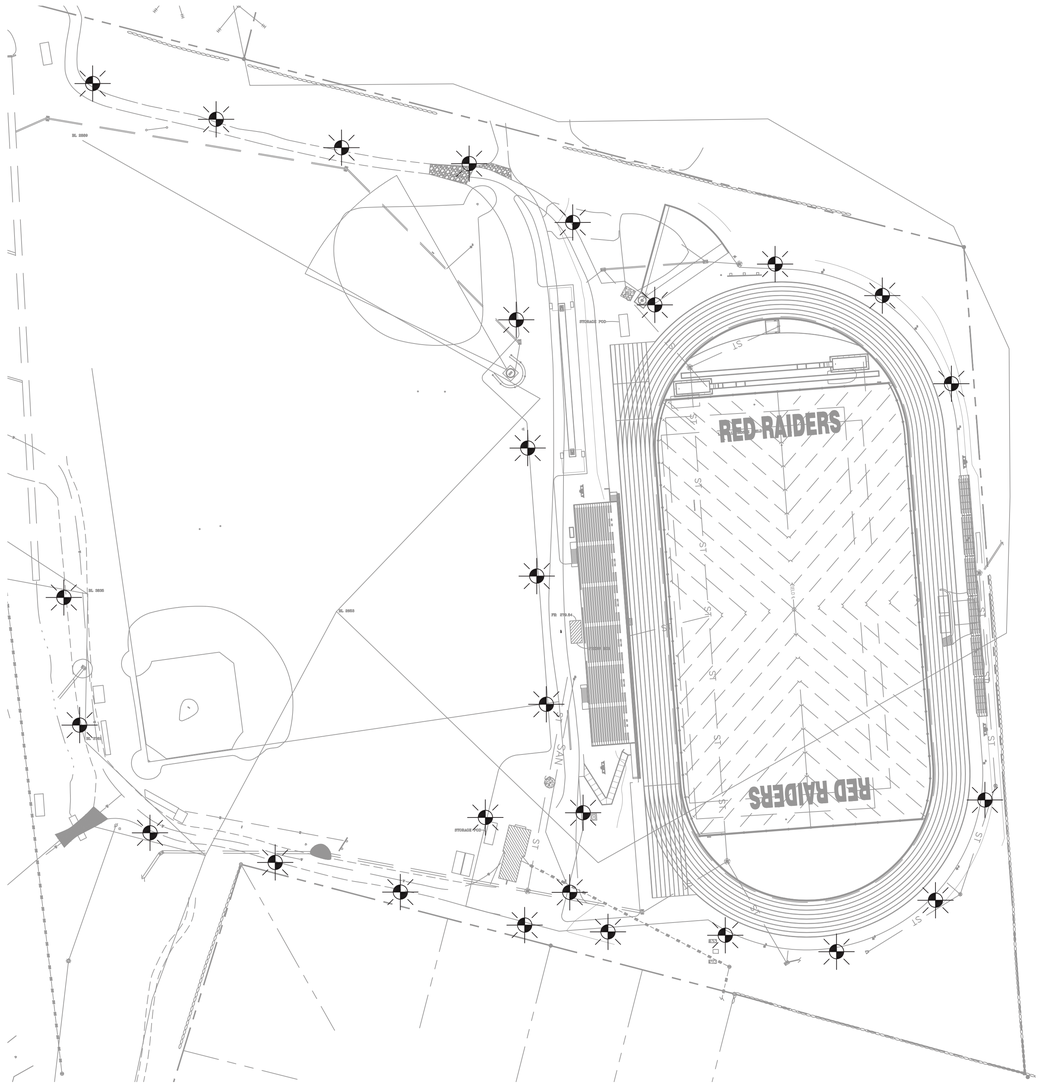
Drawing Title
ELECTRICAL SITE PLAN

Drawing No.
CE-002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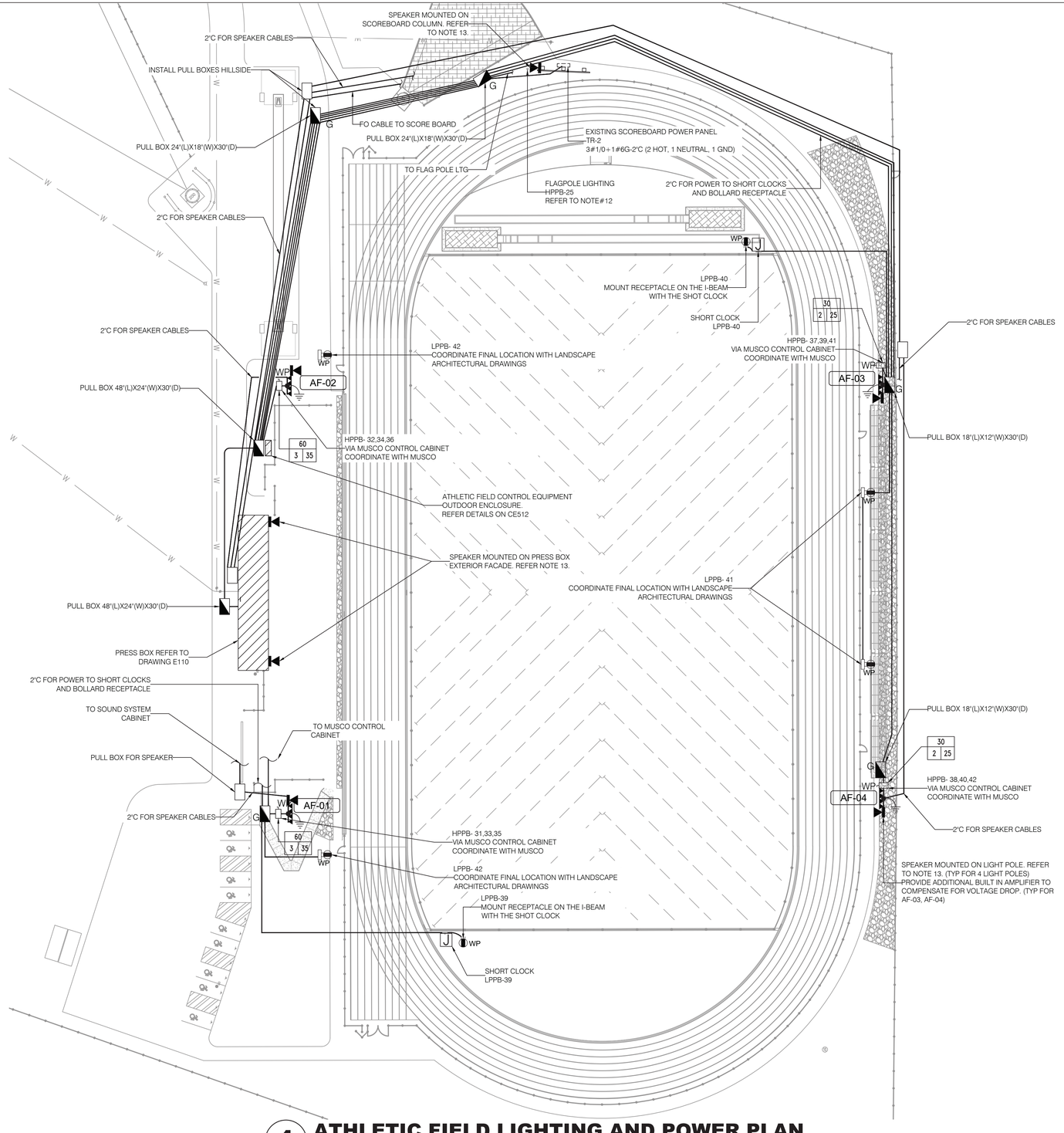

1 ATHLETIC FIELD LIGHTING AND POWER PLAN

SCALE: N.T.S.

ELECTRICAL NOTES:

1. THE CONTRACTOR IS TO COORDINATE ALL SHUTDOWNS AND DISRUPTIONS TO NORMAL SERVICES WITH THE FACILITY
2. CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY UNAUTHORIZED DISRUPTION AND POWER OUTAGES.
3. MAINTAIN CIRCUIT CONTINUITY TO AREAS NOT AFFECTED BY DEMOLITION/CONSTRUCTION WORK. CONTRACTOR IS TO TRACE AND PROTECT ALL FEEDER & BRANCH CIRCUITS FOR ALL AREAS OF THE FACILITY AND ALL OTHER ELECTRICAL EQUIPMENT WHICH ARE NOT AFFECTED BY THE CONSTRUCTION.
4. ROUTING OF ELECTRICAL CONDUITS IF SHOWN IN THE DRAWINGS ARE TENTATIVE. THE CONTRACTOR IS RESPONSIBLE TO FINALIZE THE ROUTING OF ALL ELECTRICAL CONDUITS AT FIELD IN COORDINATION WITH ALL OTHER TRADES, EXISTING AND NEW BUILDING ELEMENTS, STRUCTURES, PIPES, EQUIPMENT, LANDSCAPING ETC., FOR CODE COMPLIANT INSTALLATION.
5. ALL ELECTRIC SERVICES AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE PLANS AND THE NATIONAL ELECTRIC CODE (NEC).
6. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE CODE COMPLIANT GROUNDING OF THE SERVICE, EQUIPMENT AND THE LIGHTING POLE AS REQUIRED.
7. ROUTE CONDUIT AROUND TREES, PLACE FOOTING FOR POLES OUTSIDE TREE CRITICAL ROOT ZONES.
8. ALL SHOP DRAWING MUST BE SUBMITTED TO THE EOR FOR APPROVAL BEFORE PURCHASE
9. EMERGENCY AND NORMAL CIRCUITS CANNOT RUN IN THE SAME RACEWAY AND PULL BOXES.
10. PROVIDE DRAG WIRE FOR ALL UNDERGROUND CONDUITS.
11. FOR WIRING AND CONDUIT SIZES REFER TO PANEL SCHEDULES.
12. 3 FIXTURES SHALL BE INSTALLED IN-GRADE. FIXTURES SHALL BE OPTICALLY AND MECHANICALLY ADJUSTED ON SITE TO FOCUS ILLUMINATION ON THE FLAG AND FLAG POLE. FIXTURES SHALL BE WITHIN 18" OF THE POLE BASE AND 120 DEGREES APART. MODEL - HYDREL #M9820-B-LED-WHT41K-MVOLT-NSP-FL
13. MOUNTING BRACKET SUPPLIED BY BOGEN SHALL STRAP TO POLE. MUSCO SHALL PROVIDE THREADED COUPLING
14. REFER TO DRAWING E-410 FOR PANEL SCHEDULES
15. ALL FIBER/COMMUNICATION, SPEAKER AND POWER CONDUITS MUST BE RUN 24" BELOW GRADE. U.O.I.

1/2" IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM #2
2	12-09-22	ADDENDUM #1
1	10-28-22	BIDDING DOCUMENTS

Drawn by DK
Checked by SH
Project No. 42051
Scale AS NOTED
Date 10/28/2022

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901

Mechanical & Electrical Engineer:

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

3 SED-01
HIGH SCHOOL: SBEM 50-02-01-06-0-015-005
PRESS BOX (DEMO): SBEM 50-02-01-06-7-028-001
CONCESSIONS-PRESS BOX (NEW): SBEM 50-02-01-06-7-070-001
PRELIMINARY: SBEM 50-02-01-06-7-000-001
106 Haverstraw Rd.
Suffern, NY 10954
TOWN OF RAMAPO
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

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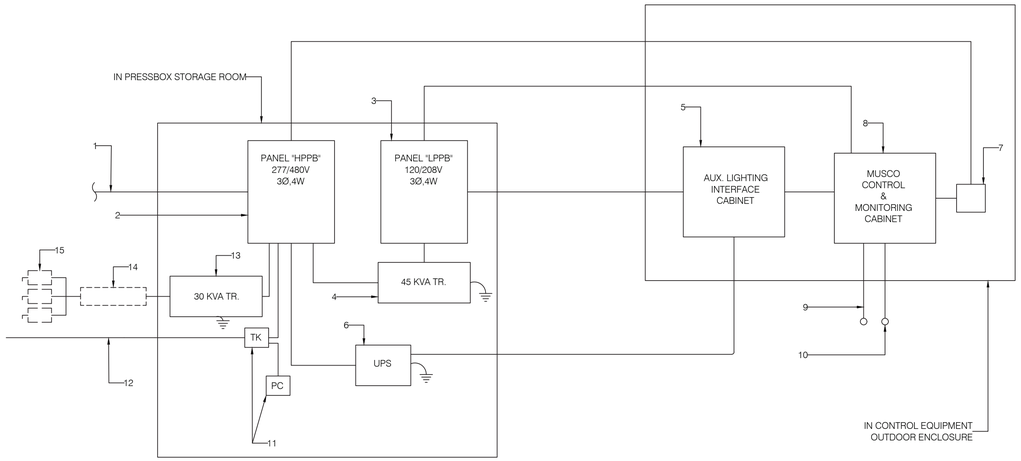
Drawing Title
ELECTRICAL
ATHLETIC FIELD
LIGHTING AND POWER
PLAN

Drawing No.
CE-110



DESCRIPTION OF EXISTING ELECTRIC SERVICE EQUIPMENT	
1	INCOMING FEEDER CABLES FROM PANEL HGYM
2	PANEL "HPPB"
3	PANEL "LPPB"
4	45KVA TRANSFORMER - 480V TO 208/120V
5	AUXILIARY LIGHTING INTERFACE CABINET
6	4 X 400VA UPS FOR EMERGENCY EGRESS LIGHTING
7	CONTROL VOLTAGE TRANSFORMER
8	MUSCO CONTROL AND MONITORING CABINET
9	CIRCUITS TO NEW MUSCO SPORTS FIELD LIGHTING
10	TO EMERGENCY LIGHTING
11	TORK TIME CLOCK AND PHOTOCELL
12	TO FLAG POLE LIGHTING
13	30KVA TRANS - 277V - 1PH TO 240/120V STEP DOWN TR.
14	EXISTING PANEL FOR SCOREBOARD
15	(3) EXISTING X (60A, 2 POLE DISC. WITH NEUTRAL)

1 SCHEMATIC EQUIPMENT LAYOUT RISER DIAGRAM

0 1/2 1
IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

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Drawn by	DK
Checked by	SH
Project No.	42051
Scale	AS NOTED
Date	10/28/2022

Mechanical & Electrical Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901

Structural Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901

NORTH ROCKLAND
HIGH SCHOOL
PROJECTS – PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-0-016-005
PRESS BOX (DEMO): SBL# 50-02-01-06-7-008-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
PRESSBOX SBL# 50-02-01-06-7-008-001
TOWN OF STONY POINT
COUNTY OF ROCKLAND
106 Ramapoo Rd.
Thiells, NY 10984

MICHAEL SHILALE ARCHITECTS, L.L.P.
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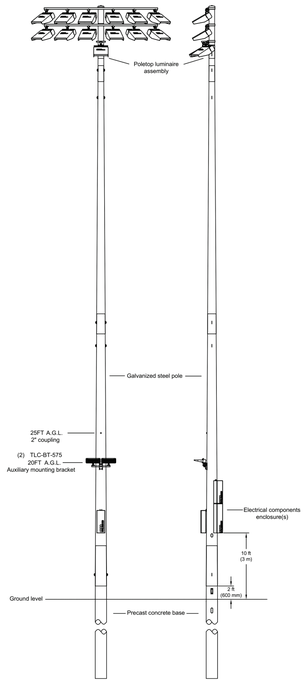
Drawing Title
ELECTRICAL EQUIPMENT LAYOUT RISER DIAGRAM

Drawing No.
CE-410



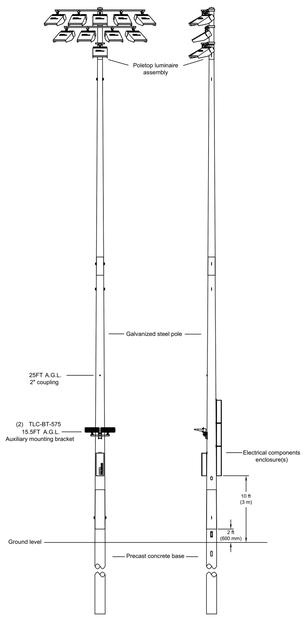
POLE(S): F1, F2
Musco 90FT Light-Structure System™ pole
TLC for LED™ luminaires

Drawing No.	106438r1	DATE:	10/25/2022
Scale	NTS	Drawn by	K.Martin
Approved by		Checked by	TOM/KB

DATE: BY: R.L. REVISIONS:

CORPORATE OFFICE: P.O. Box 808, 100 1st Avenue West, Oskaloosa, Iowa 52577, +1-800-825-6202, +1-641-673-0411

North Rockland High School Stadium
Thiells, NY
Pole Configuration Drawing



POLE(S): F3, F4
Musco 80FT Light-Structure System™ pole
TLC for LED™ luminaires

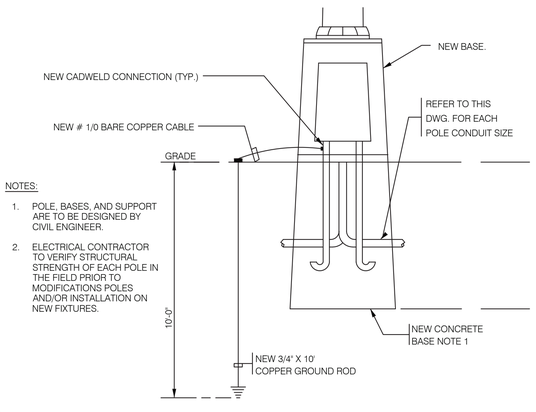
Drawing No.	106438r1	DATE:	10/25/2022
Scale	NTS	Drawn by	K.Martin
Approved by		Checked by	TOM/KB

DATE: BY: R.L. REVISIONS:

CORPORATE OFFICE: P.O. Box 808, 100 1st Avenue West, Oskaloosa, Iowa 52577, +1-800-825-6202, +1-641-673-0411

North Rockland High School Stadium
Thiells, NY
Pole Configuration Drawing

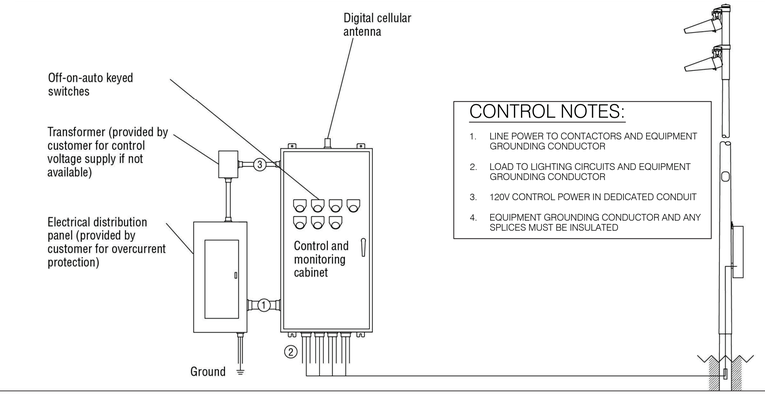
1 DETAILS FOR FIELD LIGHT POLES AF-1, AF-2, AF-3 AND AF-4
SCALE: N.T.S.



NOTES:
1. POLE, BASES, AND SUPPORT ARE TO BE DESIGNED BY CIVIL ENGINEER.
2. ELECTRICAL CONTRACTOR TO VERIFY STRUCTURAL STRENGTH OF EACH POLE IN THE FIELD PRIOR TO MODIFICATIONS POLES AND/OR INSTALLATION ON NEW FIXTURES.

2 TYPICAL GROUNDING DETAIL OF POLE
SCALE: N.T.S.

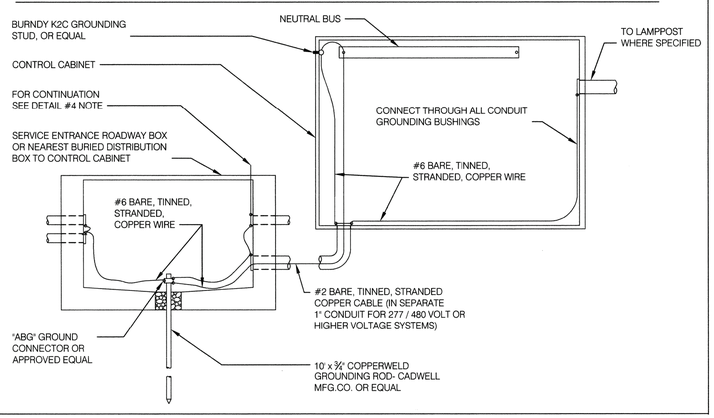
Control•Link® Control and Monitoring System



CONTROL NOTES:
1. LINE POWER TO CONTACTORS AND EQUIPMENT GROUNDING CONDUCTOR
2. LOAD TO LIGHTING CIRCUITS AND EQUIPMENT GROUNDING CONDUCTOR
3. 120V CONTROL POWER IN DEDICATED CONDUIT
4. EQUIPMENT GROUNDING CONDUCTOR AND ANY SPLICES MUST BE INSULATED

3 FIELD LIGHTING CONTROL & MONITORING SYSTEM DETAIL
SCALE: N.T.S.

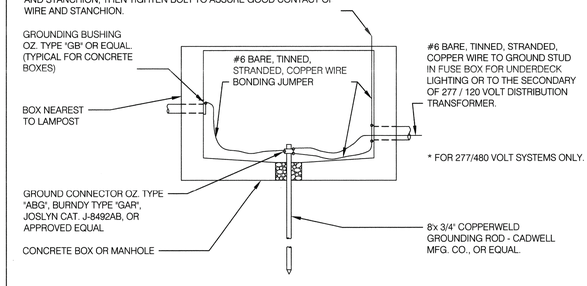
SERVICE ENTRANCE GROUNDING



1/2 0 1
IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

BOX DETAIL
(EVERY FIFTH BOX OR WHERE SPECIFIED ON CONTRACT PLANS)

TO BURNDY K2C GROUND STUD ON FRAME FOR ROADWAY BOXES. BOX STANCHIONS SHALL BE BONDED TO CONDUIT. GROUNDING BUSHINGS BY MEANS OF #6 BARE, TINNED, STRANDED, COPPER WIRE. WRAP #6 BOND WIRE AROUND STANCHION BOLT, PLACE WIRE BETWEEN WALL AND STANCHION, THEN TIGHTEN BOLT TO ASSURE GOOD CONTACT OF WIRE AND STANCHION.



4 TYPICAL CONCRETE ROADWAY BOX GROUNDING DETAILS
SCALE: N.T.S.

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM #2
2	12-09-22	ADDENDUM #1
1	10-28-22	BIDDING DOCUMENTS

Drawn by	DK
Checked by	SH
Project No.	42051
Scale	AS NOTED
Date	10/28/2022

Mechanical & Electrical Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901

Structural Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

1 3 H-001 DETAILS
2 H-001 DETAILS

HIGH SCHOOL: SBM# 50-02-01-06-0-016-055
PRESS BOX (DEMO) SBM# 50-02-01-06-7-035-001
CONCESSIONS-PRESS BOX (NEW): SBM# 50-02-01-06-7-009-001
FIELDHOUSE SBM# 50-02-01-06-7-009-001

106 Hammond Rd.
Thiells, NY 10984

TOWN OF RAMAPO
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
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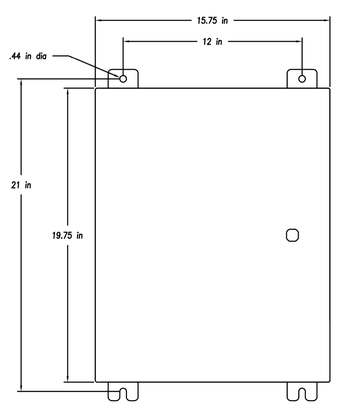
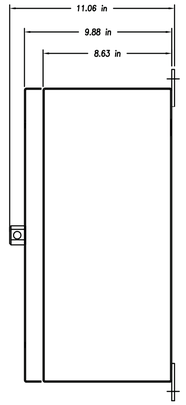
Drawing Title: ELECTRICAL DETAILS SHEET #1

Drawing No. CE-510



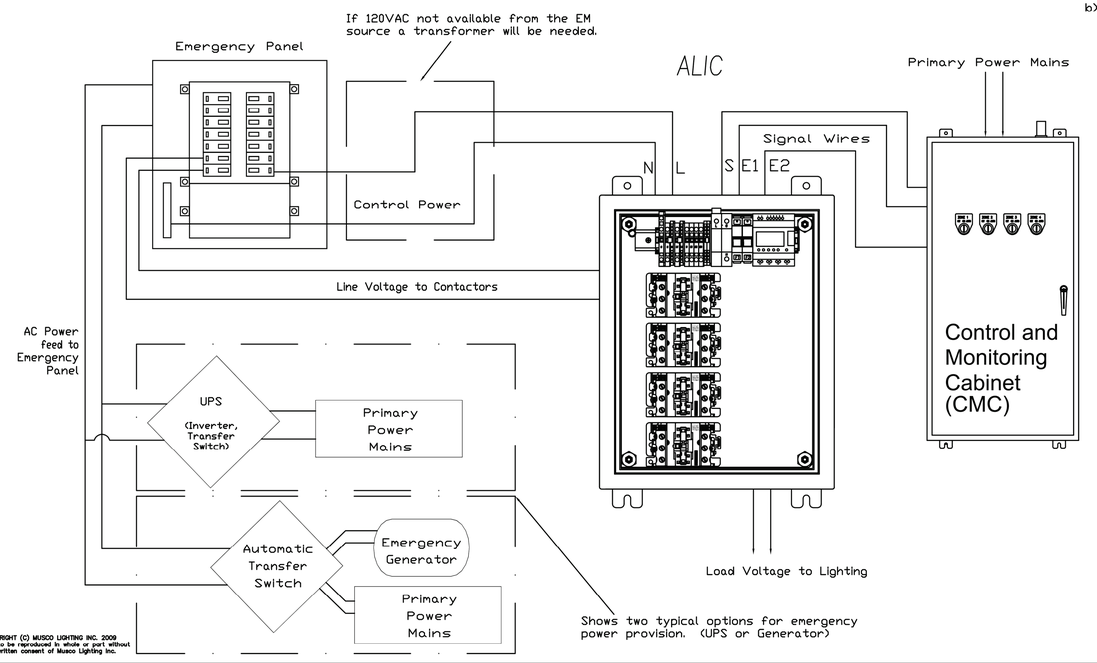


Auxiliary Lighting Interface Cabinet (ALIC)
Standard Operation and Functionality

Functionality
The ALIC provides monitoring of Control-Link (CL) zones and primary 120V power. For the ALIC to work correctly, it and the emergency lighting fixtures will need to be powered from an Emergency Distribution Panel. This Emergency Distribution Panel is assumed to be powered from a UPS or automatic transfer switch, whose operation is to control the power source, either the generator or the mains.

IMPORTANT: The 120 volt power (wire E1) from the Control-Link enclosure is being monitored as the mains or 'normal power.' For best operation, the Control-Link enclosure should be powered from the field lighting distribution panel or what is to be considered the 'main' distribution panel.

Standard sequence of egress operation
1) Primary power (the mains) has an interruption, either sustained or momentary
   a) Operation with a Generator and Transfer Switch
      i) The ALIC will save its current state and look for restoration of power either though the generator or the mains.
      ii) Once power is restored the ALIC will check for CL output previous to the mains outage. If CL output was present the ALIC will output for egress by one of the following:
         1) If a generator restores power the ALIC will continue to output as long as the generator supplies power. Once the mains is restored the ALIC will delay off the egress output for 20 minutes.
         2) If the mains restore without generator operation (MPI) the ALIC will output for 20 minutes.
   b) Operation with a Uninterruptible Power System (UPS)
      i) The UPS activates to keep power online.
      ii) The ALIC will check for CL output previous to the mains outage. If CL output was present the ALIC will output for egress. The ALIC will continue to output as long as the UPS supplies power. Once the mains is restored the ALIC will delay off the egress output for 20 minutes.



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Musco MDF
Oskaloosa, IA
ALIC Pre-sale Document

CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825-6020

REVISIONS:

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM #2
2	12-09-22	ADDENDUM #1
1	10-28-22	BIDDING DOCUMENTS

DATE:	BY:	R.L

JOB NUMBER:
DRAWN BY: BH
CHECK BY:
REPRESENTATIVE:
SCALE: NTS
DATE: 24 JUN 13
DRAWING NUMBER:
OF SHEETS

1 AUXILIARY LIGHTING INTERFACE CABINET DETAIL
SCALE: N.T.S.

1/2 1 0
IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

Drawn by DK
Checked by SH
Project No. 42051
Scale AS NOTED
Date 10/28/2022

Mechanical & Electrical Engineer:
GREENMAN PEDERSEN, INC
A BERKSHIRE BOULEVARD
SUITE 322
SUFFERN, NY 10901

Structural Engineer:
GREENMAN PEDERSEN, INC
A BERKSHIRE BOULEVARD
SUITE 322
SUFFERN, NY 10901

NORTH ROCKLAND HIGH SCHOOL
PROJECTS - PHASE 1
3
HIGH SCHOOL: SED# 50-02-01-06-0-016-005
PRESS BOX (DEMO): SED# 50-02-01-06-7-035-001
CONCESSIONS-PRESS BOX (NEW): SED# 50-02-01-06-7-070-001
FIELDHOUSE: SED# 50-02-01-06-7-008-001
108 Beaumont Rd.
Thiells, NY 10984
TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
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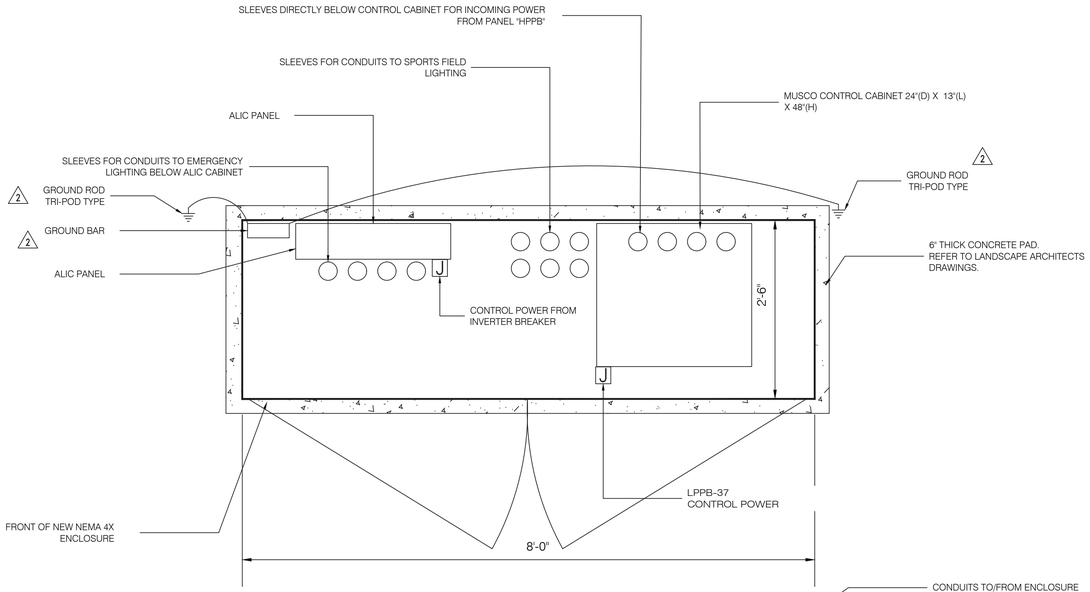
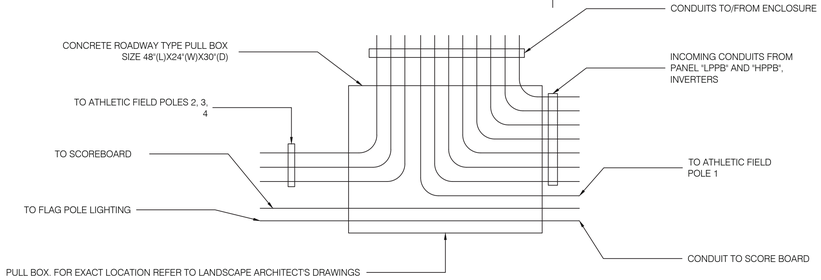
Drawing Title
ELECTRICAL DETAILS
SHEET #2

Drawing No.
CE-511



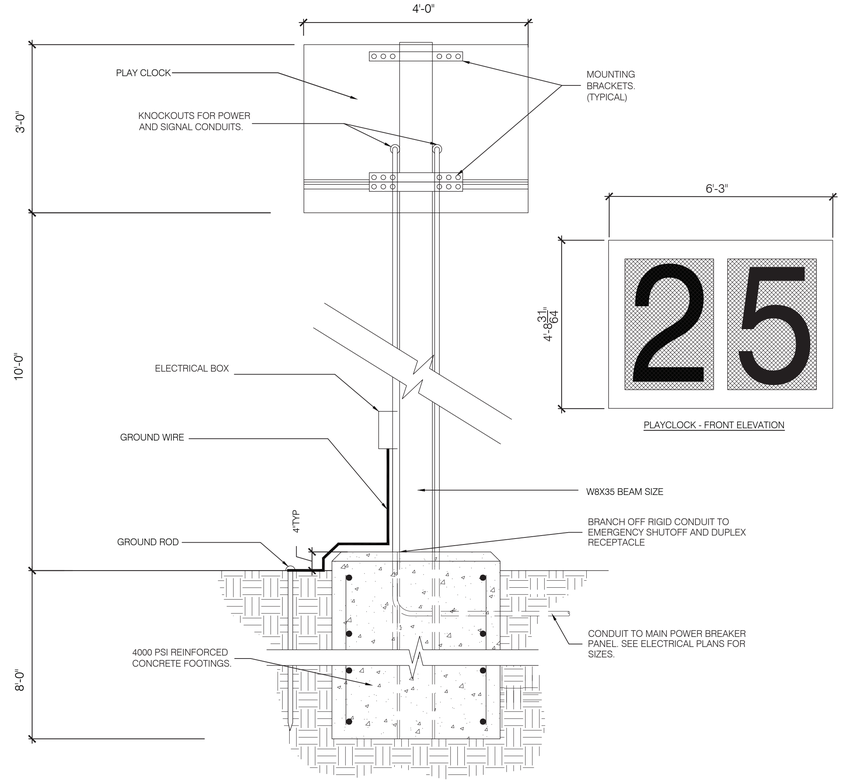


NOTES:

1. ENCLOSURE IN THIS CONTRACT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
2. ALL SHOP DRAWINGS MUST BE SUBMITTED TO EOR FOR APPROVAL BEFORE PURCHASE.
3. ENCLOSURE SHALL BE NEMA 4X, IP66 RATED.
4. ENCLOSURE SHALL HAVE OPENINGS FOR THE AC & HEATER. THIS MUST BE COORDINATED WITH THE ENCLOSURE MANUFACTURER PRIOR TO PURCHASE.
5. COORDINATE KEY TO OPEN AND CLOSE THE ENCLOSURE WITH NORTH ROCKLAND HIGH SCHOOL'S CUSTODIAN ENGINEER.
6. CUSTOM MADE NEMA ENCLOSURE SHALL BE MANUFACTURED BY NEMA ENCLOSURES, OR APPROVED EQUAL.
7. ENCLOSURE SHALL BE MOUNTED ON A NEW 6" CONCRETE PAD. REFER TO LANDSCAPE ARCHITECTS DRAWINGS.
8. CONTRACTOR SHALL COORDINATE WITH ENCLOSURE MANUFACTURER FOR ALL NECESSARY FITTINGS AND ACCESSORIES TO HOUSE ALL ELECTRICAL EQUIPMENT.
9. REFER TO SCHEMATIC ONE LINE DIAGRAM ON THIS DRAWING FOR SIZES.
10. ALL ELECTRICAL EQUIPMENT SHALL BE SET MINIMUM OF 6" ABOVE THE FINISHED FLOOR/BASE OF THE NEMA ENCLOSURE

GROUND BAR - OUTDOOR ELECTRICAL ENCLOSURE	
LETTER DESIGNATION	IDENTIFICATION
A	INVERTER 1
B	INVERTER 2
C	AIR CONDITIONER/HEATER
D	ALIC PANEL
E	CONTROL AND MONITORING CABINET
F	CONTROL TRANSFORMER
G	SPARE
H	SPARE
I	SPARE
J	SPARE

1 CONTROL EQUIPMENT OUTDOOR ENCLOSURE ELECTRICAL LAYOUT
SCALE: N.T.S.



2 PLAY CLOCK REAR ELEVATION DETAIL
SCALE: N.T.S.

1/2 0 1
IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

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Project No.	42051
Scale	AS NOTED
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Mechanical & Electrical Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901

Structural Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1
HIGH SCHOOL: SED# 50-02-01-06-0-016-005
PRESS BOX (DEMO): SED# 50-02-01-06-7-035-001
CONCESSIONS-PRESS BOX (NEW): SED# 50-02-01-06-7-079-001
FIELDHOUSE: SED# 50-02-01-06-7-006-001
108 Beaumont Rd. Haverstraw, NY 10954
TOWN OF HAVERSTRAW COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
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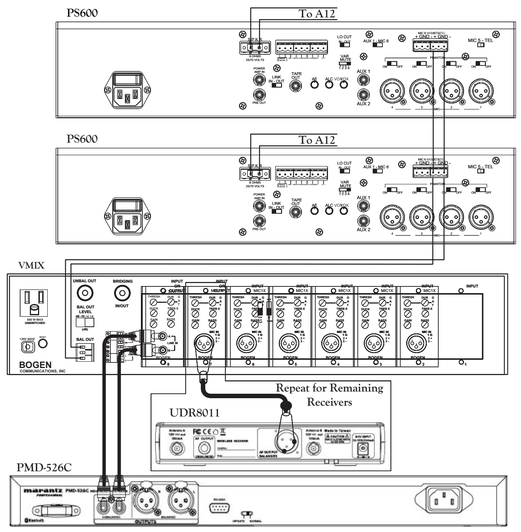
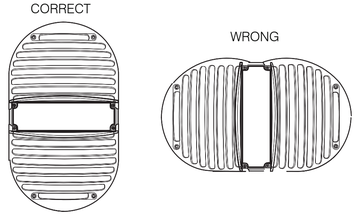
Drawing Title
ELECTRICAL DETAILS SHEET #3

Drawing No.
CE-512

SYSTEM WIRING



A12 SPEAKER ORIENTATION



The A12 Armadillo Loudspeaker is acoustically designed to operate in a vertical orientation. This orientation will provide 90 degrees of horizontal coverage and 45 degrees of vertical coverage

Wire Loss

Once you have an idea of how many speakers are to be wired together, estimate how long the wire run will be from the first to last speaker in each row. Include the lead-in wire length from the amplifier to the first speaker in each row in your overall run length. For each row, sum up the speaker power and cable lengths. Then refer to the chart to ensure that the wire guage is sufficient to support the power and cable length desired. It may be necessary to increase the wire guage or split the speaker loads to shorten the wire run lengths if they exceed the chart maximums.

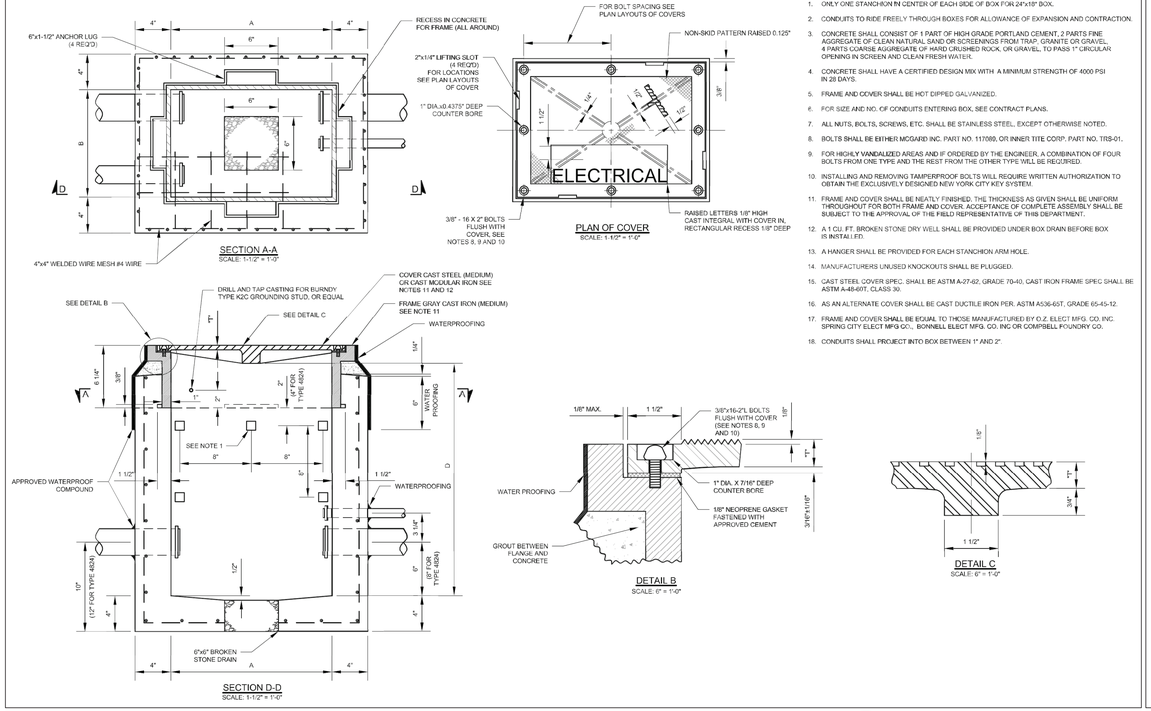
Wire Loss Chart (10% of Power Lost in Wire)

Wire Gauge	Load Power Per Wire Run (Watts)						
	5	10	15	30	50	100	200
16	10,000	7,000	4,600	2,300	1,400	700	350
18	9,000	4,500	2,800	1400	830	415	205
20	5,500	2,700	1,800	900	540	270	135
22	3,400	1,700	1,100	550	330	115	60
24	2,100	1,000	700	350	210	105	50
	Maximum Wire Run Cable Length (ft.)						

1 SOUND SYSTEM DETAILS
SCALE: N.T.S.

NOTES:

1. ONLY ONE STANCHION IN CENTER OF EACH SIDE OF BOX FOR 24"x18" BOX.
2. CONDUITS TO RIDE FREELY THROUGH BOXES FOR ALLOWANCE OF EXPANSION AND CONTRACTION.
3. CONCRETE SHALL CONSIST OF 1 PART OF HIGH GRADE PORTLAND CEMENT, 2 PARTS FINE AGGREGATE OF CLEAN NATURAL SAND OR SCREENINGS FROM TRAP, GRANITE OR GRAVEL, 4 PARTS COARSE AGGREGATE OF HARD CRUSHED ROCK, OR GRAVEL, TO PASS 1" CIRCULAR OPENING IN SCREEN AND CLEAN FRESH WATER.
4. CONCRETE SHALL HAVE A CERTIFIED DESIGN MIX WITH A MINIMUM STRENGTH OF 4000 PSI IN 28 DAYS.
5. FRAME AND COVER SHALL BE HOT DIPPED GALVANIZED.
6. FOR SIZE AND NO. OF CONDUITS ENTERING BOX, SEE CONTRACT PLANS.
7. ALL NUTS, BOLTS, SCREWS, ETC. SHALL BE STAINLESS STEEL, EXCEPT OTHERWISE NOTED.
8. BOLTS SHALL BE EITHER MCGARD INC. PART NO. 117089, OR INNER TITE CORP. PART NO. TRB-01.
9. FOR HIGHLY VANDALIZED AREAS AND IF ORDERED BY THE ENGINEER, A COMBINATION OF FOUR BOLTS FROM ONE TYPE AND THE REST FROM THE OTHER TYPE WILL BE REQUIRED.
10. INSTALLING AND REMOVING TAMPERPROOF BOLTS WILL REQUIRE WRITTEN AUTHORIZATION TO OBTAIN THE EXCLUSIVELY DESIGNED NEW YORK CITY KEY SYSTEM.
11. FRAME AND COVER SHALL BE NEATLY FINISHED, THE THICKNESS AS GIVEN SHALL BE UNIFORM THROUGHOUT FOR BOTH FRAME AND COVER. ACCEPTANCE OF COMPLETE ASSEMBLY SHALL BE SUBJECT TO THE APPROVAL OF THE FIELD REPRESENTATIVE OF THIS DEPARTMENT.
12. A 1 CU. FT. BROKEN STONE DRY WELL SHALL BE PROVIDED UNDER BOX DRAIN BEFORE BOX IS INSTALLED.
13. A HANGER SHALL BE PROVIDED FOR EACH STANCHION ARM HOLE.
14. MANUFACTURERS UNUSED KNOCKOUTS SHALL BE PLUGGED.
15. CAST STEEL COVER SPEC. SHALL BE ASTM A-27-62, GRADE 70-40, CAST IRON FRAME SPEC SHALL BE ASTM A-48-64T, CLASS 30.
16. AS AN ALTERNATE COVER SHALL BE CAST DUCTILE IRON PER. ASTM A536-65T, GRADE 65-45-12.
17. FRAME AND COVER SHALL BE EQUAL TO THOSE MANUFACTURED BY D.Z. ELECT MFG. CO. INC. SPRING CITY ELECT MFG CO., BONNELL ELECT MFG. CO. INC OR COMPBELL FOUNDRY CO.
18. CONDUITS SHALL PROJECT INTO BOX BETWEEN 1" AND 2".



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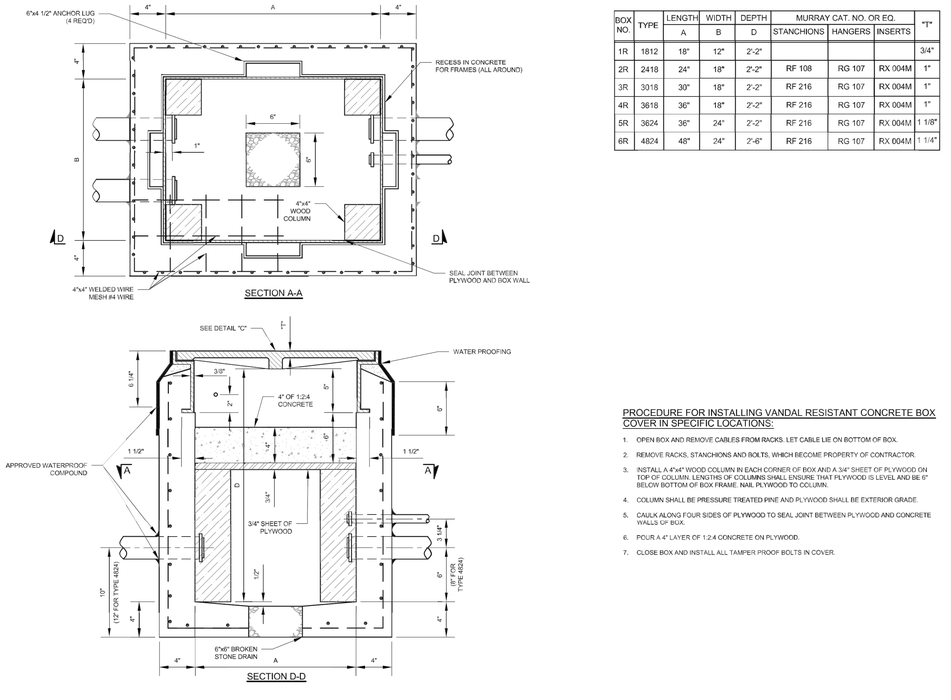

BOX NO.	TYPE	LENGTH	WIDTH	DEPTH	MURRAY CAT. NO. OR EQ.			"T"
		A	B	D	STANCHIONS	HANGERS	INSERTS	
1R	1812	18"	12"	2'-2"				3/4"
2R	2418	24"	18"	2'-2"	RF 108	RG 107	RX 004M	1"
3R	3018	30"	18"	2'-2"	RF 216	RG 107	RX 004M	1"
4R	3618	36"	18"	2'-2"	RF 216	RG 107	RX 004M	1"
5R	3624	36"	24"	2'-2"	RF 216	RG 107	RX 004M	1 1/8"
6R	4824	48"	24"	2'-6"	RF 216	RG 107	RX 004M	1 1/4"

PROCEDURE FOR INSTALLING VANDAL RESISTANT CONCRETE BOX COVER IN SPECIFIC LOCATIONS:

1. OPEN BOX AND REMOVE CABLES FROM RACKS. LET CABLE LIE ON BOTTOM OF BOX.
2. REMOVE RACKS, STANCHIONS AND BOLTS, WHICH BECOME PROPERTY OF CONTRACTOR.
3. INSTALL A 4"x4" WOOD COLUMN IN EACH CORNER OF BOX AND A 3/4" SHEET OF PLYWOOD ON TOP OF COLUMN. LENGTHS OF COLUMNS SHALL ENSURE THAT PLYWOOD IS LEVEL AND BE 6" BELOW BOTTOM OF BOX FRAME. NAIL PLYWOOD TO COLUMN.
4. COLUMN SHALL BE PRESSURE TREATED PINE AND PLYWOOD SHALL BE EXTERIOR GRADE.
5. CAULK ALONG FOUR SIDES OF PLYWOOD TO SEAL JOINT BETWEEN PLYWOOD AND CONCRETE WALLS OF BOX.
6. POUR A 4" LAYER OF 1:2:4 CONCRETE ON PLYWOOD.
7. CLOSE BOX AND INSTALL ALL TAMPER PROOF BOLTS IN COVER.

2 TYPICAL CONCRETE ROADWAY BOX DETAILS
SCALE: N.T.S.

1/2 0 1

IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM #2
2	12-09-22	ADDENDUM #1
1	10-28-22	BIDDING DOCUMENTS

Drawn by DK
Checked by SH
Project No. 42051
Scale AS NOTED
Date 10/28/2022

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901

Mechanical & Electrical Engineer:

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

3

HIGH SCHOOL - SBL# 50-02-01-06-0-015-005
PRESS BOX (DRAW) - SBL# 50-02-01-06-7-028-001
CONCESSIONS-PRESS BOX (NEW) - SBL# 50-02-01-06-7-079-001
FIELDHOUSE - SBL# 50-02-01-06-7-008-001

106 Hammond Rd.
Thiells, NY 10984

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

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Drawing Title
ELECTRICAL DETAILS SHEET #4

Drawing No.
CE-513

1. COORDINATE DEMOLITION WITH MEP & CIVIL DRAWINGS.

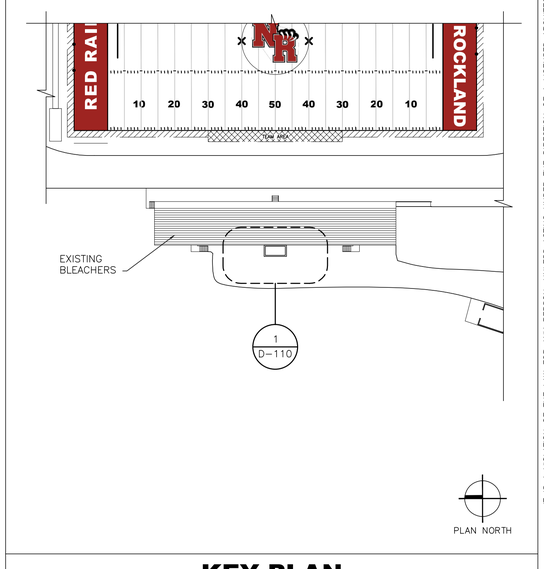
GENERAL NOTES

01 CONTRACTOR TO DEMOLISH EXISTING STRUCTURE IN ITS ENTIRITY. REMOVE EXISTING ROOF, WALLS, FLOOR DECK, EXISTING CONCRETE SLAB AND FOUNDATION TO 2'-0" BELOW FINISHED GRADE AND REMOVE ALL DEBRIS OFF SITE.

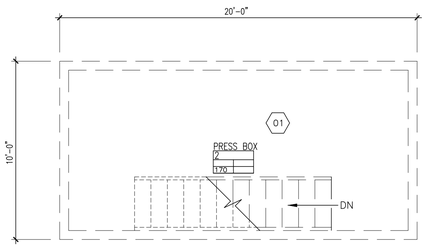
02 REMOVE EXISTING ELECTRICAL SERVICE, COORDINATE WITH ELECTRICAL DRAWINGS TO REMOVE AND TERMINATE SERVICE. SEE ELECTRICAL DEMO PLANS.

03 COORDINATE WITH ELECTRICAL DRAWING TO REMOVE EXISTING SCORE BOARD WIRING FOR USE IN NEW PRESS BOX.

DEMOLITION NOTES

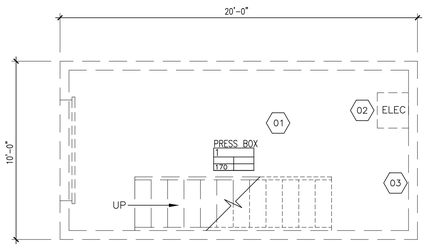


KEY PLAN



2 PRESS BOX SECOND FLOOR DEMO PLAN

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



1 PRESS BOX FIRST FLOOR DEMO PLAN

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

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
1	10-28-22	BIDDING DOCUMENTS

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Drawn by JR
Checked by MS/JC
Project No. 42051
Scale AS NOTED
Date 08-30-22

Mechanical & Electrical Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL
PROJECTS - PHASE 1

HIGH SCHOOL: SBL# 69-02-01-06-0-016-026
PRESS BOX (DEMO): SBL# 50-02-01-06-7-009-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-009-001
FIELDHOUSE: SBL# 50-02-01-06-7-009-001
186 Haverstraw Rd.
Suffern, NY 10901

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, LLP.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
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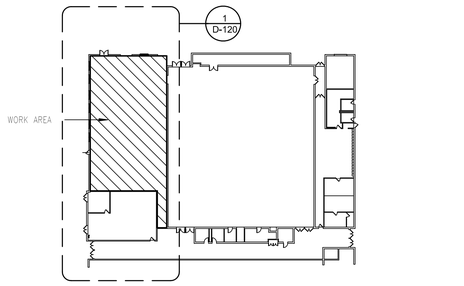
Drawing Title
CONCESSIONS/ PRESS BOX DEMO PLAN

Drawing No.
D-110



KEY PLAN

1. COORDINATE DEMOLITION WITH MEP DRAWINGS.

GENERAL DEMO NOTES

EXISTING DOORS TO REMAIN.

EXISTING DOORS TO BE REMOVED.

EXISTING PARTITIONS TO BE REMOVED.

LEGEND

01 REMOVE EXISTING BLOCK WALLS AS REQUIRED & SAW CUT AT INTERSECTIONS WITH BLOCK WALLS TO REMAIN. PATCH EXT'G MASONRY WALLS TO REMAIN. SEE DETAIL 3/A-120.

02 REMOVE EXISTING DOORS AND FRAMES.

03 PROTECT EXISTING STEEL COLUMNS (TYPICAL FOR ALL).

04 SAW CUT EXISTING EXTERIOR BLOCK WALL FOR THE NEW DOOR OPENING.

05 SAWCUT EXISTING EXTERIOR BLOCK WALL FOR THE NEW WINDOW OPENING. COORDINATE WITH NEW WINDOW SIZES AND STRUCTURAL DRAWINGS.

06 REMOVE EXISTING PLUMBING FIXTURES. SEE DRAWING PD-120.

07 REMOVE EXT'G CEILINGS, SUSPENSION SYSTEM AND ALL HANGERS FROM EXT'G TRUSSES.

08 REMOVE EXT'G FLOORING TO CONCRETE.

09 REMOVE EXT'G CERAMIC FLOOR TILE, PREP FOR CONCRETE PATCHING.

10 REMOVE EXT'G FENCING, SEE SITE WORK DWG'S

11 CORE DRILL HOLE THROUGH EXT'G FOUNDATION WALL AS REQ'D FOR INSTALLATION OF NEW WATER LINE, COORDINATE W/ PLUMBING AND SITE DWGS

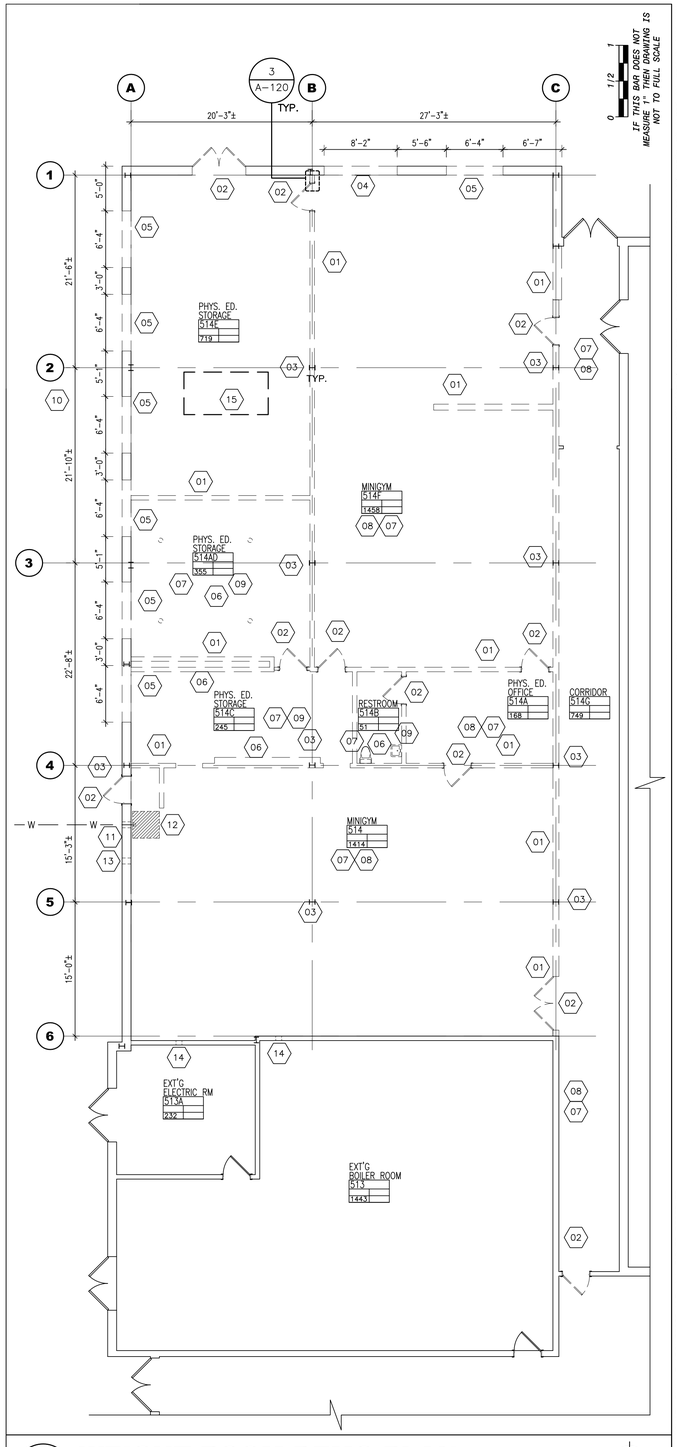
12 SAW CUT & REMOVE PORTION OF EXT'G FLOOR SLAB AS REQ'D FOR INSTALLATION OF WATER LINE, COORDINATE W/ PLUMBING DWGS.

13 CORE DRILL EXISTING WALL FOR NEW ELECTRIC SERVICE CONDUIT TO CONCESSION BUILDING.

14 CORE DRILL AS REQUIRED FOR UTILITIES. COORDINATE WITH M.E.P. AND SITE DRAWINGS.

15 SAW CUT EXISTING ROOF FOR NEW DOAS. COORDINATE W/ MECHANICAL AND STRUCTURAL DWGS.

DEMOLITION KEY NOTES



1 WEIGHT ROOM DEMO PLAN

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

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No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
2	12-09-22	SED ADDENDUM 1
1	10-28-22	BIDDING DOCUMENTS

Drawn by MAL/JR
Checked by MS/JC
Project No. 42051
Scale AS NOTED
Date 07-29-22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901
Mechanical & Electrical Engineer:
Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-0-016-026
PRESS BOX (DEMO): SBL# 50-02-01-06-7-068-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
RESTROOMS: SBL# 50-02-01-06-7-066-001
106 Haverstraw Rd.
Suffern, NY 10901
TOWN OF HAVERSTRAW
CITY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
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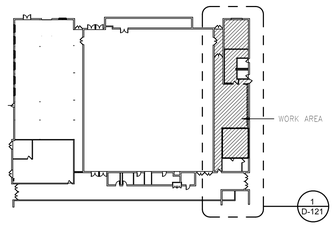
Drawing Title: WEIGHT ROOM DEMO PLAN

Drawing No. D-120



PLAN NORTH

KEY PLAN

1. COORDINATE DEMOLITION WITH MEP DRAWINGS.

GENERAL DEMO NOTES

REMOVE EXISTING CLG FOR INSTALLATION OF THE NEW WALL.

REMOVE EXISTING VCT FLOORING AND ADHESIVE.

EXISTING DOORS TO REMAIN.

EXISTING DOORS TO BE REMOVED.

EXISTING PARTITIONS TO BE REMOVED.

LEGEND

01 SAW CUT EXISTING ROOF FOR NEW DOAS. COORDINATE W/ MECHANICAL AND STRUCTURAL DWGS.

02 REMOVE EXISTING DOORS.

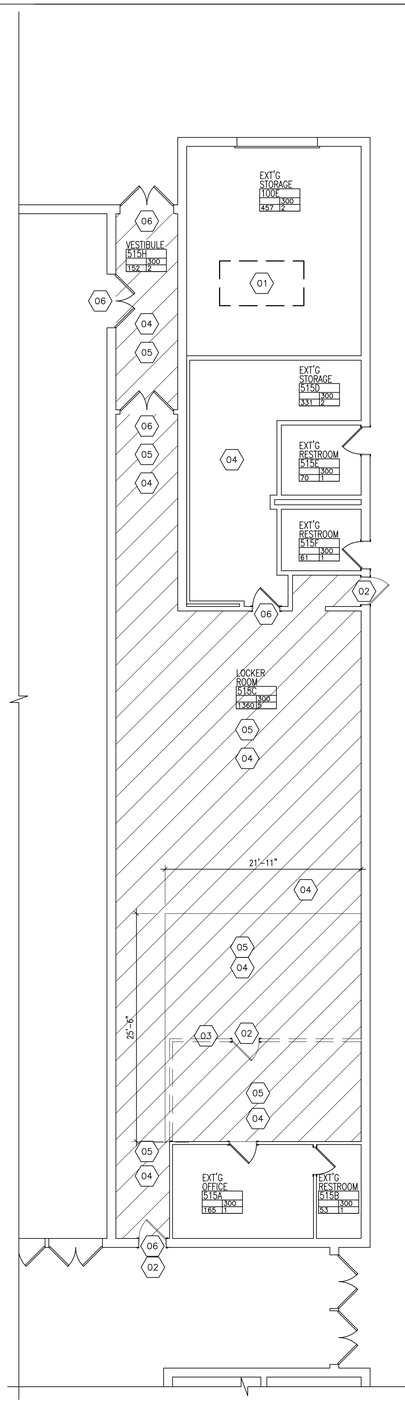
03 REMOVE EXISTING WALLS.

04 REMOVE EXISTING CLG.

05 REMOVE EXISTING VCT FLOORING AND ADHESIVE TO EXISTING CONCRETE.

06 SADDLES FOR DOORS THAT ARE REMAINING SHALL BE SALVAGED FOR REINSTALLATION BY CONTRACTOR.

DEMOLITION KEY NOTES



1/2" 0

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

PLAN NORTH

1 LOCKER ROOM DEMO PLAN

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

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
2	12-09-22	SED ADDENDUM 1
1	10-28-22	BIDDING DOC

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Drawn by MAL/ML
Checked by MS/JC
Project No. 42051
Scale AS NOTED
Date 08-30-22

Mechanical & Electrical Engineer: GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901

Structural Engineer: - - - -

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-0-016-005
PRESS BOX (ROAD): SBL# 50-02-01-06-7-028-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-029-001
FIELDHOUSE: SBL# 50-02-01-06-7-008-001

190 Hamwood Rd.
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COUNTY OF ROCKLAND

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Drawing Title: LOCKER ROOM DEMO PLAN

Drawing No.: D-121

EXISTING DOORS TO REMAIN.

EXISTING DOORS TO BE REMOVED.

EXISTING PARTITIONS TO BE REMOVED.

LEGEND

1. COORDINATE DEMOLITION WITH MEP DRAWINGS.

GENERAL DEMO NOTES

01 REMOVE EXISTING BLOCK WALLS AS REQUIRED & SAW CUT AT INTERSECTIONS WITH BLOCK WALLS TO REMAIN. PATCH EXT'G MASONRY WALLS TO REMAIN. SEE DETAIL 3/A-120

02 REMOVE EXISTING PLUMBING FIXTURES AND TOILET PARTITIONS. REMOVE EXPOSED PIPE AND CAP ALL. (TYPICAL FOR ALL).

03 REMOVE EXISTING CEILING TO EXPOSE ROOF STRUCTURAL SYSTEM.

04 SAW CUT EXISTING MASONRY WALL AND REMOVE. PROVIDE TEMPORARY SHORING AS REQUIRED FOR NEW LINTEL.

05 EXCAVATE 3' TO EXPOSE EXISTING FOUNDATION FOR CONCRETE REPAIR.

06 REMOVE EXISTING WINDOW. PREPARE FOR MASONRY FILL IN.

07 REMOVE EXISTING ROLLING STEEL DOOR AND COUNTER.

08 REMOVE EXISTING DOOR AND FRAME.

09 REMOVE EXISTING WOOD SLIDING PANELS AND STRUCTURE / PLYWOOD TO UNDERSIDE OF WOOD LINTEL TO REMAIN

10 REMOVE EXISTING WATER SERVICE. COORDINATE WITH UTILITY COMPANY TO REMOVE AND TERMINATE SERVICE AT ORIGIN. ABANDON EXISTING WATER LINE IN PLACE.

11 REMOVE EXISTING HOSE BIB AND PATCH BLOCK AS REQUIRED

12 PRESSURE WASH AND CLEAN EXTERIOR OF ENTIRE BUILDING IN PREPARATION FOR INSTALLATION OF EIFS SYSTEM.

13 RAKE AND REPOINT MASONRY AS REQUIRED. LOCATIONS TO BE DETERMINED. (SEE ALLOWANCE # 40).

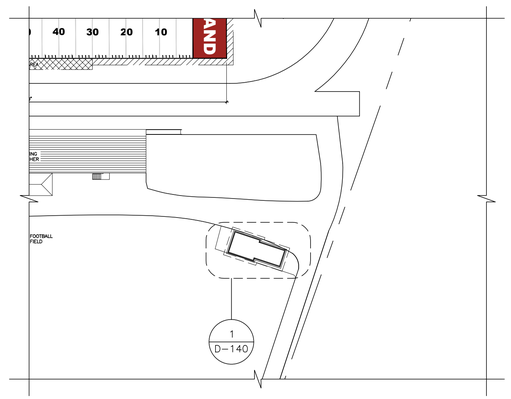
15 SAW CUT EXISTING MASONRY FOR NEW DOOR OPENING.

20 REMOVE EXISTING SHINGLES, GUTTERS, AND LEADERS TO EXISTING ROOF DECK.

21 REMOVE EXISTING ELECTRICAL POWER MASTS, COORDINATE W/ LOCAL UTILITY COMPANY TO REMOVE AND TERMINATE SERVICE AT POLE.

22 REMOVE EXISTING SIDING ON GABLE END.

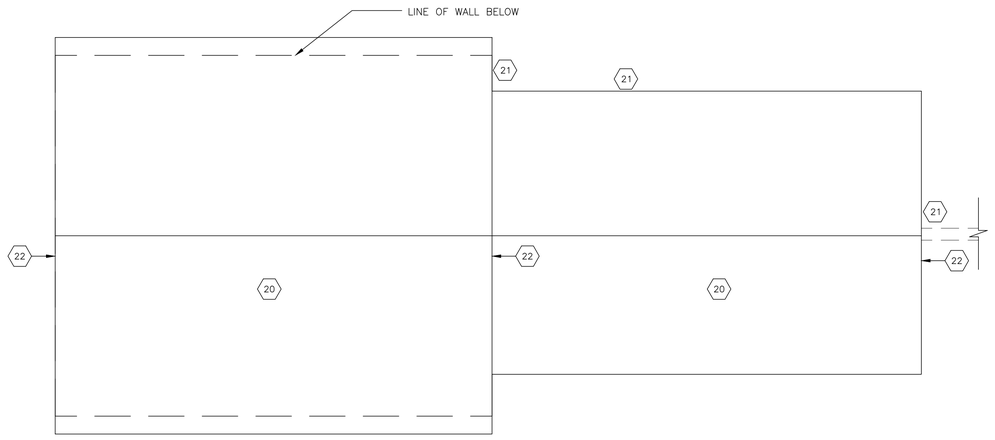
DEMOLITION KEY NOTES



PLAN NORTH

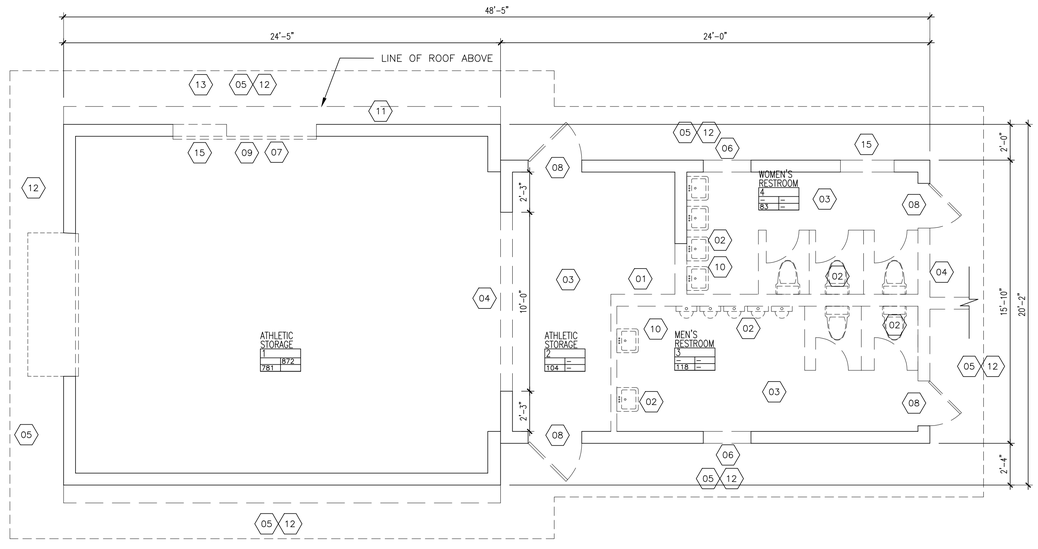
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1, THEN DRAWING IS NOT TO FULL SCALE

KEY PLAN



PLAN NORTH

2 FIELDHOUSE ROOF DEMO PLAN
SCALE: 1/4" = 1'-0"



PLAN NORTH

1 FIELDHOUSE DEMO PLAN
SCALE: 1/4" = 1'-0"

No.	Date	Revisions
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Drawn by JR
Checked by MS/JC
Project No. 42051
Scale AS NOTED
Date 07-29-22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD, SUITE 202, SUFFERN, NY 10901

Mechanical & Electrical Engineer:

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL
PROJECTS - PHASE 1

HIGH SCHOOL: SBL# 69-02-01-06-0-016-026
PRESS BOX (DEMO): SBL# 50-02-01-06-7-026-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-020-001
FIELDHOUSE: SBL# 50-02-01-06-7-006-001

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Thiells, NY 10984

TOWN OF RAMAPO
COUNTY OF ROCKLAND

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140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

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Drawing Title
FIELD HOUSE DEMO PLAN

Drawing No.
D-140

GENERAL NOTES:

1. ALL WORK SHALL BE GOVERNED BY THE TERMS AND CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, THE STRUCTURES HAVE BEEN DESIGNED IN COMPLIANCE WITH THE REQUIREMENTS OF 2020 BUILDING CODE OF NEW YORK STATE, ASCE/SEI 7-16 AND OSHA LATEST EDITION.
2. CONTRACTOR AND SUBCONTRACTOR SHALL BE LICENSED BY NEW YORK STATE WHERE REQUIRED TO PERFORM THE SPECIFIED WORK. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO INSTALL ALL NECESSARY COMPONENTS IN THE COMPLETION OF WORK UNDER THIS CONTRACT IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, REGULATIONS, AND ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK INDICATED IN THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS, APPROVALS, AS WELL AS THEIR ASSOCIATED FEES, FOR ALL TRADES, EXCEPT WHERE SPECIFIED AND AGREED UPON ELSEWHERE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING WITH CLIENT'S REPRESENTATIVE FOR RIGGING AND HOISTING FACILITIES FOR HANDLING MATERIALS AND REMOVAL OF DEBRIS.
6. THE CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH CONDITIONS THEREON AND TO DETERMINE THE EXTENT OF ALL FACILITIES AND SERVICES REQUIRED TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL MAINTAIN ONE COPY OF THE LATEST CONTRACT DOCUMENTS INCLUDING ALL CHANGES AT THE JOB SITE FOR THE USE OF THE ARCHITECT OF RECORD (AoR) AND/OR ENGINEER OF RECORD (EoR).
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO CLIENT FOR THE ACTS AND OMISSIONS OF ALL THEIR EMPLOYEES AND ALL SUBCONTRACTORS, THEIR AGENTS AND EMPLOYEES, AND ALL OTHER PERSONS PERFORMING ANY OF THE WORK FOR THE CONTRACTOR.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INCURRED ANYWHERE WITHIN THE BOUNDARIES OF THE PROPERTY, AND ANY DAMAGE SHALL BE PROMPTLY REPAIRED TO ORIGINAL CONDITION TO THE SATISFACTION OF THE CLIENT'S REPRESENTATIVE AND/OR EoR AT NO COST TO THE CLIENT.
10. DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL REGULARLY REMOVE ALL UNUSED MATERIAL, RUBBISH, AND DEBRIS FROM THE PROPERTY AND BROOM CLEAN DAILY. THE SITE AND PREMISES SHALL BE KEPT REASONABLY CLEAN, NEAT AND ORDERLY TO THE SATISFACTION OF THE CLIENT'S REPRESENTATIVE.
11. THE CONTRACTOR SHALL CONTROL CLEANING OPERATIONS TO PREVENT DIRT OR DUST FROM LEAVING THE JOB SITE AND INFILTRATING AREAS NOT INVOLVED IN THE PROJECT.
12. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO FABRICATION AND SHALL REPORT ANY DEVIATIONS OF DIMENSIONS, DISCREPANCIES AND/OR CONDITIONS WHICH WOULD INTERFERE WITH THE COMPLETION OF THE WORK TO THE AoR AND/OR EoR FOR RESOLUTION AND BEFORE PERFORMING THE WORK.
13. WHEN "APPROVED EQUAL", "EQUAL TO", "APPROVED ALTERNATE", OR WHERE OTHER QUALIFYING TERMS ARE USED, SUBSTITUTIONS SHALL BE BASED SOLELY UPON THE REVIEW AND APPROVAL OF THE AoR, EoR AND/OR CLIENT'S REPRESENTATIVE. THE BURDEN OF PROOF THAT A PRODUCT OR SYSTEM MEETS OR EXCEEDS THAT WHICH WAS SPECIFIED IN CONSTRUCTION DOCUMENTS LIES ENTIRELY ON THE CONTRACTOR.
14. DO NOT SCALE DRAWINGS. USE DIMENSIONAL NOTATION ONLY.
15. LARGE SCALE DWGS. (i.e. SECTIONS, DETAILS, ETC.) TAKE PRECEDENCE OVER SMALL SCALE DWGS.
16. SUBMIT WELDER'S CERTIFICATION PRIOR TO START OF WORK.
17. SUBMIT SHOP DRAWINGS, PRODUCT DATA FOR APPROVAL PRIOR TO PURCHASE AND FABRICATION OF MATERIALS AND COMPONENTS. REPRODUCTION OF CONTRACT DRAWINGS TO BE USED AS SHOP DRAWINGS IS NOT PERMITTED.
18. WHEN OPEN FLAME OR SPARK-PRODUCING TOOLS AND EQUIPMENT SUCH AS WELDING RODS ARE BEING USED, THE CONTRACTOR SHALL PROVIDE FIRE GUARDS TO MAINTAIN A FIRE WATCH OVER THE OPERATION OF THESE ITEMS AT ALL TIMES DURING THE USE AND UNTIL ALL MATERIALS HAVE COOLED SUFFICIENTLY TO NO LONGER CONSTITUTE A FIRE HAZARD.

STRUCTURAL NOTES:

FOUNDATIONS:

1. CONTINUOUS SHALLOW FOOTING FOUNDATIONS HAVE BEEN DESIGNED TO A MAXIMUM ALLOWABLE NET BEARING PRESSURE OF 2,000 PSF AS PER "GEOTECHNICAL EVALUATION REPORT OF ATHLETIC FACILITY IMPROVEMENTS FOR NORTH ROCKLAND HIGH SCHOOL" PREPARED BY Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC (1279 Route 300, 2nd Floor, Newburgh, NY 12550, 845-567-6656) AND DATED OCTOBER 20, 2022.
2. CONTINUOUS FOOTING FOUNDATION TO BE PLACED OVER NATURAL SITE SOILS, OR CONTROLLED STRUCTURAL FILL PROVIDED THAT THESE MATERIALS ARE PROPERLY INSPECTED AND COMPACTED AS OUTLINED HEREIN AND IN PROJECT SPECIFICATIONS.
3. IF ANY LOOSE OR UNSUITABLE SOILS ARE ENCOUNTERED WITHIN THE FOOTPRINT OF THE CONCESSION BUILDING FOUNDATIONS, THEY SHOULD BE REMOVED FROM THE ZONE OF INFLUENCE OF THE FOUNDATIONS, AND REPLACED WITH COMPACTED, STRUCTURAL FILL.
4. STRUCTURAL FILL SHALL BE A WELL-GRADED SAND AND GRAVEL, FREE OF DEBRIS AND ORGANIC MATERIAL, WITH A MAXIMUM PARTICLE SIZE OF TWO (2) INCHES, BETWEEN 25% & 60% PASSING THE 1/4" SIEVE SIZE, BETWEEN 5% & 40% PASSING No. 40 SIEVE AND LESS THAN 10% PASSING THE No. 200 SIEVE.
5. ALL GENERAL FILL AND STRUCTURAL FILL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY, AT NEAR OPTIMUM MOISTURE CONTENTS, AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D1557). THE DEGREE OF COMPACTION SHOULD BE TESTED AND DOCUMENTED BY A GEOTECHNICAL ENGINEER FOR EACH LIFT OF FILL. THE LIFT THICKNESS FOR THE STRUCTURAL FILL SOILS WILL VARY DEPENDING ON THE TYPE OF COMPACTION EQUIPMENT USED. STRUCTURAL FILL SHOULD GENERALLY BE PLACED IN UNIFORM HORIZONTAL LIFTS NOT EXCEEDING 8 INCHES IN LOOSE THICKNESS WHEN USING A 10-TON ROLLER.
6. A GEOTECHNICAL ENGINEER WITH APPROPRIATE FIELD AND LABORATORY SUPPORT SHOULD INSPECT ALL SUBGRADES, APPROVE MATERIALS FOR USE AS FILL, AND TEST BACKFILL MATERIALS FOR COMPLIANCE WITH THE RECOMMENDED COMPACTION.
7. GROUNDWATER PRESENCE IS NOT EXPECTED AT THE CONCESSION / PRESS BOX BUILDING LOCATION DURING THE EXCAVATION, HOWEVER, SHOULD WATER PRESENCE ENCOUNTERED, EXCAVATION SHALL BE DE-WATERED TO ALLOW INSTALLATION OF FOOTINGS IN DRY ATMOSPHERE.
6. EXCAVATIONS SHALL BE DONE IN ACCORDANCE WITH DIG SAFE NEW YORK PRACTICE.
7. PROVIDE SHORING AND BRACING AS REQUIRED TO CREATE SAFE WORKING ENVIRONMENT AND PREVENT SETTLEMENT OR DAMAGE TO ADJACENT GROUNDS. REMOVE SHORING, BRACINGS WHEN NO LONGER REQUIRED.
8. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ADJACENT BUILDINGS AND PROPERTIES FROM EXCAVATION AND FILLING OPERATIONS. THE DETAILS OF BRACING AND/OR UNDERPINNING REQUIRED FOR THE SUPPORT OF ADJACENT BUILDINGS OR PROPERTIES SHALL BE PREPARED BY A PROFESSIONAL ENGINEER HIRED BY THE CONTRACTOR.

STRUCTURAL NOTES (CONT.):

CONCRETE FOR FOUNDATIONS:

1. DESIGN OF REINFORCED CONCRETE ARE IN ACCORDANCE WITH THE PROVISIONS OF THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-19), AS MODIFIED BY THE 2020 BUILDING CODE OF NEW YORK STATE, SECTION 1905.
2. ALL CONCRETE SHALL BE MIXED, TRANSPORTED, AND PLACED IN ACCORDANCE WITH
   - ACI 301-16 SPECIFICATIONS FOR STRUCTURAL CONCRETE
   - ACI 304R-00 GUIDE FOR MEASURING, MIXING, TRANSPORTING & PLACING CONCRETE
   - ACI 318-19 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
3. SUBMIT PROPOSED MIX DESIGNS WITH PRELIMINARY TEST RESULTS TO THE ENGINEER OF RECORD AND THE SPECIAL INSPECTOR. AFTER ACCEPTANCE, THE CONCRETE TESTING LABORATORY SHALL FILE FORM TR3 WITH THE BUILDING DEPARTMENT PRIOR TO PERMIT. CONCRETE SHALL NOT BE PLACED UNTIL MIXES HAVE BEEN APPROVED.
4. 28 DAY COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE AS FOLLOWS:
   - FOOTINGS ..... 4,000 PSI
   - FOUNDATION WALLS ..... 4,000 PSI
   - SLABS-ON-GROUND ..... 4,000 PSI
5. MAXIMUM CONCRETE SLUMP SHALL BE 4".
6. TEST CYLINDERS SHALL BE TAKEN FROM THE MIXER IN ACCORDANCE WITH ASTM C172-14a "STANDARD PRACTICE FOR SAMPLING FRESHLY MIXED CONCRETE" AND THE PROJECT SPECIFICATIONS.
7. THE METHOD FOR CONVEYING CONCRETE TO THE PLACE OF DEPOSIT SHALL COMPLY WITH CODE ACI PRC-304.4-20 OR ACI PRC-304.2-17.
8. ALL SURFACES OF CONCRETE SHALL BE FORMED FOR FOOTINGS, EXCEPT SURFACES OPEN TO VIEW. REFER TO PROJECT SPECIFICATION SECTION 033000 "CAST-IN-PLACE CONCRETE" FOR FURTHER DESCRIPTION.
9. CONCRETE SHALL BE AIR ENTRAINED 5% TO 7% BY VOLUME, EXCEPT FOR INTERIOR SLABS-ON-GROUND. SEE PROJECT SPECIFICATION SECTION 033000 "CAST-IN-PLACE CONCRETE" FOR FURTHER DESCRIPTION.
10. CONSTRUCTION JOINTS OF CONCRETE COMPONENTS SHALL COMPLY WITH THE PROVISIONS OF CODE ACI 318-19.
11. ROUGHENED SURFACE AT INTERFACE OF SEPARATE CONCRETE POURS (JOINTS) SHALL BE PREPARED AS FOLLOWS:
    a) ROUGHEN SURFACE TO A FULL AMPLITUDE OF APPROXIMATELY ¼" WITH STIFF BROOM AFTER INITIAL SET.
    b) BEFORE PLACING FRESH CONCRETE, CLEAN SURFACE AND REMOVE LAITANCE WITH WIRE BRUSH.
    c) IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, WET SURFACE AND REMOVE STANDING WATER.
14. DO NOT PLACE CONCRETE WITHOUT APPROVED STRUCTURAL SHOP DRAWINGS AND MECHANICAL/ELECTRICAL SHOP DRAWINGS RELATED TO THE CONCRETE WORK. RELATED ITEMS INCLUDE: LOCATIONS OF OPENINGS; PIPE SLEEVES; REGLETS; DOVETAIL SLOTS, DRIPS, INSERTS FOR MECHANICAL AND ELECTRICAL EQUIPMENT AND ANY OTHER ITEMS REQUIRED TO BE INSTALLED AND/OR COORDINATED BY THE MECHANICAL AND ELECTRICAL TRADES.
15. FOR LOCATION OF CONCRETE PADS, FLOOR DEPRESSIONS, AND FLOOR DRAINS, SEE MEP DRAWINGS.
16. VERIFY SUPPORT LOCATIONS FOR MEP EQUIPMENT AND ANY OPENINGS WITH MEP TRADES PRIOR TO SUBMISSION OF SHOP DRAWINGS.
17. ALL ANCHOR BOLTS OR THREADED RODS SHALL BE EITHER PRE-CAST, EXPANSION, OR ADHESIVE ANCHORS AS SHOWN ON DRAWINGS.
18. CONTRACTOR TO VERIFY DIMENSIONS AND LOCATIONS OF ALL SLOTS, PIPE AND CONDUIT SLEEVES, CORING ETC. REQUIRED FOR WORK OF OTHER DIVISIONS. SLEEVE, CORING AND PIPING/CONDUIT PENETRATION LOCATIONS SHALL BE APPROVED BY THE ENGINEER OF RECORD TO ENSURE STRUCTURE IS NOT COMPROMISED. PROVIDE WATERTIGHT SLEEVES AT ALL NEW PIPE PENETRATIONS THROUGH WALLS.

CONCRETE REINFORCEMENT:

1. ALL REINFORCING BARS SHALL BE DEFORMED BILLET STEEL BARS AND SHALL CONFORM TO ASTM A615 GRADE 60. WELDED WIRE FABRIC (WIRE MESH) SHALL CONFORM TO ASTM A185.
2. THE CONTRACTOR SHALL SUBMIT CHECKED SHOP DRAWINGS CONSISTING OF COMPLETE PLANS AND DETAILS OF REINFORCEMENT, LOCATIONS OF POUR LINES, CONSTRUCTION JOINTS, ETC. FOR APPROVAL BEFORE PROCEEDING WITH THE WORK.
3. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL COMPLY WITH THE REQUIREMENTS OF ACI 315-99 AND ACI 318-14, CHAPTERS 7 AND 12.
4. ALL SPLICES SHALL BE IN ACCORDANCE WITH ACI 318-14, CHAPTER 12. THE LOCATIONS SHALL BE INDICATED ON THE SHOP DRAWINGS AND APPROVED BY THE ENGINEER OF RECORD. GENERALLY, ALL SPLICES SHALL BE STAGGERED AND LOCATED AWAY FROM THE SECTION OF MAXIMUM TENSILE STRESS.
5. ALL REINFORCEMENT SHALL BE ACCURATELY PLACED AND SECURELY WIRED TO PREVENT DISLOCATION FROM PROPER POSITION.
6. PROVIDE CHAIRS FOR SUPPORT OF ALL REINFORCEMENT. LIFTING OF BARS OR MESH DURING PLACEMENT OF CONCRETE IS NOT PERMITTED.
10. CONCRETE PROTECTION FOR BARS IN FOUNDATIONS SHALL BE:
    a. WALLS (EXPOSED TO WEATHER) ..... 2"
    b. FOOTINGS AND WALLS (EXPOSED TO SOIL) .... 3"
11. CONCRETE PROTECTION FOR BARS IN SLAB SHALL BE:
    a. INTERIOR ..... ¾"
    b. EXPOSED TO WEATHER/ELEMENTS ..... 2"
8. WELDING OF REINFORCING BARS SHALL CONFORM TO STRUCTURAL WELDING CODE AWS D1.4.
9. THE DETAILING OF REINFORCEMENT AND CONNECTION BETWEEN CONCRETE MEMBER AS RELATED TO REQUIREMENTS FOR STRUCTURAL INTEGRITY SHALL COMPLY WITH PROVISIONS OF ACI 318-19, SECTION 7.13.

LIGHT GAUGE STEEL GENERAL NOTES:

1. ALL STRUCTURAL STUDS AND HEADERS SHALL BE OF THE TYPE, SIZE, GAUGE AND SPACING AS SHOWN ON THE DRAWINGS.
2. ALL FRAMING MEMBERS SHALL BE FORMED FROM STEEL, CORRESPONDING TO THE REQUIREMENTS OF ASTM A653.
3. STEEL FOR FRAMING MEMBERS SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI (U.N.O.).
4. EXTERIOR STUDS AND JOISTS SHALL HAVE A MINIMUM OF 1⅝" FLANGE WITH A MINIMUM OF ½" RETURN LIP, HEADERS SHALL HAVE A MINIMUM OF 1⅜" FLANGE WITH A MINIMUM OF ⅜" RETURN LIP AND TRACKS SHALL HAVE A MINIMUM OF 1¼" FLANGE.
5. PROVIDE BRACING TO STRUCTURES FOR ALL STUD WALLS.

STRUCTURAL NOTES (CONT.):

CONCRETE MASONRY UNITS (CMU):

1. ALL CONCRETE MASONRY UNITS SHALL BE HOLLOW LOAD BEARING UNITS CONFORMING TO ASTM C90, WITH MINIMUM COMPRESSIVE STRENGTH OF UNITS 1500 PSI, WITH ASSUMED DESIGN COMPRESSIVE STRENGTH, Fm=1150 PSI AND DENSITY OF 140 PCF., UNLESS NOTED OTHERWISE ON CONSTRUCTION DOCUMENTS.
2. ALL UNITS SHALL BE PLACED IN RUNNING BOND.
3. MORTAR SHALL BE MIX OF 1 PART PORTLAND CEMENT, 1/4 TO 1/2 PART HYDRATED LIME, AND 2-1/4 TO 3 PARTS SAND, MIXED ON SITE.
4. STORE ALL UNITS OFF GROUND TO PREVENT CONTAMINATION. COVER MATERIALS TO PROTECT FROM THE ELEMENTS.
5. NO AIR-ENTRAINED ADMIXTURES OR ANTIFREEZE COMPOUNDS, SUCH AS CALCIUM CHLORIDE SHALL BE ADDED TO MORTAR.
6. CMU WALLS SHALL BE REINFORCED WITH LADDER OR TRUSS TYPE REINFORCEMENT OF 3/16"Ø ASTM A82 WIRE, GALVANIZED, @16" O.C. (HORIZONTALLY) AND #6@16" (VERTICALLY) U.N.O.
7. PROVIDE BOND BEAMS EVERY 10'-0" OF PARTITION HEIGHT OR MIN. TWO CONTINUOUS BOND BEAMS AT BOTTOM AND TOP OF PARTITION LESS THAN 10'-0" IN HEIGHT.
8. PROVIDE AND SET ALL ANGLES SUPPORTING MASONRY AS SHOWN ON ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS. ANGLES NOT INDICATED AS CONTINUOUS, WHICH SUPPORT MASONRY, SHALL BE ½" SHORTER THAN THE MASONRY OPENING.
9. FOR LOOSE LINTELS OVER OPENINGS IN EXTERIOR OR INTERIOR MASONRY WALLS, INCLUDING DOOR OPENINGS, SEE ARCHITECTURAL DRAWINGS.
10. STEEL LINTELS SHALL HAVE MINIMUM OF 6" BEARING. BOND BEAMS SHALL HAVE A MINIMUM OF 8" BEARING SUPPORT AT EACH END. BEARING POINTS SHALL HAVE GROUTED BLOCK FOR THREE COURSES BELOW LINTEL.

PRE-CAST CONCRETE HOLLOW-CORE UNITS:

1. PRECAST UNITS TO BE DESIGNED, DETAILED, MANUFACTURED, DELIVERED, AND INSTALLED BY THE MANUFACTURER AS PER CONTRACT.
2. CONTRACTOR TO PROVIDE FREE ACCESS AT JOB SITE FOR DELIVERY, INCLUDING TEMPORARY ROADWAYS, CRANE PAD, AND CRANE PATH.
3. HOLLOW-CORE UNITS MUST BE LIFTED WITH SLINGS OR LIFTING EYES UNLESS NOTED OTHERWISE.
4. DO NOT LIFT, STORE, OR SUPPORT SLABS IN MIDDLE UNLESS NOTED OTHERWISE.
5. USE BEARING STRIPS UNDER ENDS OF SLAB BEARING ON PRECAST, MASONRY, AND CAST-IN-PLACE CONCRETE.
6. LEVEL THE SLAB AND GROUT JOINTS.
7. GROUTING OF LONGITUDINAL SLAB JOINTS BY MANUFACTURER AS PER CONTRACT.
8. GROUTING OF SLAB BUTT JOINTS AND END CELLS (IF REQUIRED) BY MANUFACTURER AS PER CONTRACT.
9. ALL OPENINGS UNDER CONTRACT MUST BE SHOWN ON LAYOUT DRAWING UNLESS NOTED OTHERWISE.
10. ANY TOPPING, MESH, AND DRILLING OR CUTTING OF HOLES 12" OR SMALLER IN ANY DIRECTION IS BY GENERAL CONTRACTOR.
11. NO PRESTRESSING STRAND AND/OR REINFORCING SHALL BE CUT IN FIELD UNLESS APPROVED BY THE MANUFACTURER.
12. NO WALLS, PIPE, CONDUIT, OR OTHER OBJECTS TO EXTEND ABOVE AND OVER BEARING SURFACE, U.N.O.
13. ALL TRADES ARE TO REMAIN OFF DECK AREAS UNTIL FIELD CREWS HAVE COMPLETED ERECTING, LEVELING, AND GROUTING.
14. REINFORCING BARS FOR THE GROUT JOINTS ARE FURNISHED AND INSTALLED BY PRECAST HOLLOW-CORE UNITS MANUFACTURER, U.N.O.
15. MODIFICATIONS REQUIRED DUE TO FIELD SURVEY SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
16. ANY AND ALL HARDWARE SUPPLIED BY HOLLOW-CORE UNITS MANUFACTURER IS INDICATED BY A UNIQUE AND DISTINCT NUMBER ON THE ERECTION DRAWINGS. ALL OTHER HARDWARE SHOWN IS BY GENERAL CONTRACTOR EVEN IF NOT EXPLICITLY STATED.
17. ALL MASONRY SURFACES FOR SLAB BEARING MUST BE SOLID AND HAVE THE VOIDS FILLED OR HAVE A BOND BEAM IN PLACE.
18. UNLESS THE HOLLOW-CORE IS SUPPORTED ON PRECAST, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRUE AND LEVEL BEARING SURFACES FOR ITS SUPPORT.

DESIGN CRITERIA:

DESIGN LOADS ARE IN ACCORDANCE WITH ASCE 7-16 & 2020 NEW YORK STATE BUILDING CODE

1. OCCUPANCY GROUP ..... E (EDUCATIONAL)
2. LIVE LOADS:
   a. FLOOR ..... 100 psf
   b. ROOF ..... 100 psf
4. WIND LOADS:
   a. RISK CATEGORY III
   b. ULTIMATE WIND SPEED ..... 122 mph
   c. EXPOSURE CATEGORY ..... B
   d. IMPORTANCE FACTOR ..... Iw=0.6
   e. BASE PRESSURE ..... gh=23 psf
5. SNOW LOADS:
   a. GROUND SNOW LOAD ..... Pg=30.0 psf
   b. IMPORTANCE FACTOR ..... Is=1.10
   c. THERMAL FACTOR ..... Ct=1.00
   d. SNOW EXPOSURE FACTOR ..... Ce=0.90
   e. FLAT ROOF SNOW LOAD ..... Pf=20.8 psf
   f. SLOPED-ROOF FACTOR ..... Cs=1.00
   g. DESIGN UNIFORM ROOF SNOW LOAD ..... 22.0 psf
6. SEISMIC LOADS:
   a. RISK CATEGORY III
   b. SITE CLASS ..... D
   c. SEISMIC DESIGN CATEGORY ..... B
   d. IMPORTANCE FACTOR ..... Ie=1.25
   e. MAPPED SPECTRAL RESPONCE ACCELERATIONS ..... Ss=0.288 g; S1=0.061 g

STRUCTURAL NOTES (CONT.):

STRUCTURAL STEEL:

1. FOR STRUCTURAL STEEL NOTES REFER TO DWG. S-111.

STRUCTURAL STABILITY NOTE:

1. THE STRUCTURES SHALL BE ADEQUATELY GUYED AND BRACED TO MAINTAIN SAFETY AND ALIGNMENT DURING ALL PHASES OF CONSTRUCTION. SUCH GUYING AND BRACING SHALL REMAIN IN PLACE UNTIL THE STRUCTURE HAS REACHED ADEQUATE STRENGTH AND/OR ALL PERMANENT BRACING IS IN PLACE. ENSURE THAT CONSTRUCTION OPERATIONS AND PROCEDURES IMPOSE NO LOADING GREATER THAN THE DESIGN LOADS ON ANY MEMBER.

SPECIAL INSPECTIONS:

SPECIAL & PROGRESS INSPECTIONS REQUIRED BY THE 2020 NEW YORK STATE BUILDING CODE SHALL BE PERFORMED BY A TESTING AGENCY ENGAGED BY THE OWNER (NOT TO BE PERFORMED BY THE ENGINEER OF RECORD, EXCEPT FINAL INSPECTION) FOR THE FOLLOWING ITEMS:

- HIGH-STRENGTH BOLTS, NUTS, AND WASHERS MATERIAL VERIFICATION

INSPECTION	REF. STANDARD	BC REF.
STEEL CONSTRUCTION:		
• HIGH-STRENGTH BOLTS, NUTS, AND WASHERS MATERIAL VERIFICATION	ANSI/AISC 360-16: Table N5.6-1	1705.2.1
• HIGH-STRENGTH BOLTING INSPECTIONS	ANSI/AISC 360-16: Table N5.6-2 & Table N5.6-3	
• MATERIAL VERIFICATION OF STRUCTURAL STEEL:	ANSI/AISC 360-16: N5.1, N5.2	
• MATERIAL VERIFICATION OF WELD FILLER MATERIALS	ANSI/AISC 360-16: Table N5.4-1	
• INSPECTION OF WELDING	ANSI/AISC 360-16: Table N5.4-2 & Table N5.4-3	
• WELDER QUALIFICATION/CERTIFICATION AND WELDING PROCEDURES VERIFICATION	ANSI/AISC 360-16: Table N5.4-1	
• COLD-FORMED STEEL DECK	SDI-QA/QC-2017	1705.2.2
CONCRETE CONSTRUCTION:		
• INSPECTION OF REINFORCING STEEL AND PLACEMENT VERIFICATION	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1905 Table 1705.3 and 1908.4
• INSPECTION OF ANCHORS CAST IN CONCRETE	ACI 318: 17.8.2	Table 1705.3
• INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS	ACI 318: 17.8.2.4 ACI 381: 17.8.2	Table 1705.3
• VERIFYING USE OF REQUIRED DESIGN MIX	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1 1904.2 1908.2, 1908.3 Table 1705.3
• PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TEST, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMP. OF THE CONCRETE	ASTM C172; ASTM C31, ACI 318: 26.4, 26.12	1908.10 Table 1705.3
• INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	ACI 318: 26.5	1908.6 1908.7 1908.8, Table 1705.3
• VERIFICATION OF THE MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	ACI 318: 26.5.3 - 26.5.5	1908.9, Table 1705.3
• FORMWORK INSPECTION FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	ACI 318: Ch. 26.11.1.2(b)	Table 1705.3
MASONRY CONSTRUCTION:		
• PROPORTIONS OF SITE PREPARED MORTAR AND GROUT		1705.4
• PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS		
• LOCATION / PLACEMENT OF REINFORCEMENT		
• GROUT SPACING PRIOR TO GROUTING		
• GROUT PLACEMENT VERIFICATION		
COLD FORMED STEEL LIGHT-FRAMED CONSTRUCTION:		
• SCREW ATTACHMENTS, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE WINDFORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, BRACES, BRIDGING & HOLD-DOWNS		1705.11.2
SOILS:		
• PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	Geotech Report Construction Documents	1705.6 Table 1705.6
• VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL		
• PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUB-GRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		
FINAL INSPECTION:		--

LEGEND & ABBREVIATIONS:

———	NEW STRUCTURAL STEEL	N.S.	NEAR SIDE
———	NEW BRACING	℄	CENTERLINE
◄►	MOMENT CONNECTION	PL	PLATE
B.O.S.	BOTTOM OF STEEL	DN	DOWN
T.O.S.	TOP OF STEEL	EQ	EQUAL
T.O.G.	TOP OF GRADING	SIM	SIMILAR
T.O.R.	TOP OF RAIL	TYP	TYPICAL
T.O.C.	TOP OF CONCRETE	V.I.F.	VERIFY IN FIELD
EL.	ELEVATION	K.B.	KNEE BRACE
E.S.	EACH SIDE	H.B.	HORIZONTAL BRACE
F.S.	FAR SIDE	V.B.	VERTICAL BRACE

1/2" TF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

No.	Date	Revisions
1	10-28-22	BIDDING DOCUMENTS
2	12-09-22	SED ADDENDUM 1
3	01-12-23	SED ADDENDUM 2
4	01-27-23	REVISIONS

Drawn by AN
Checked by JGC
Project No. 42051
Scale AS NOTED
Date 10/25/22

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Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-0-015-005
PRESS BOX (DRAW): SBL# 50-02-01-06-7-028-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
RESTROOMS: SBL# 50-02-01-06-7-080-001

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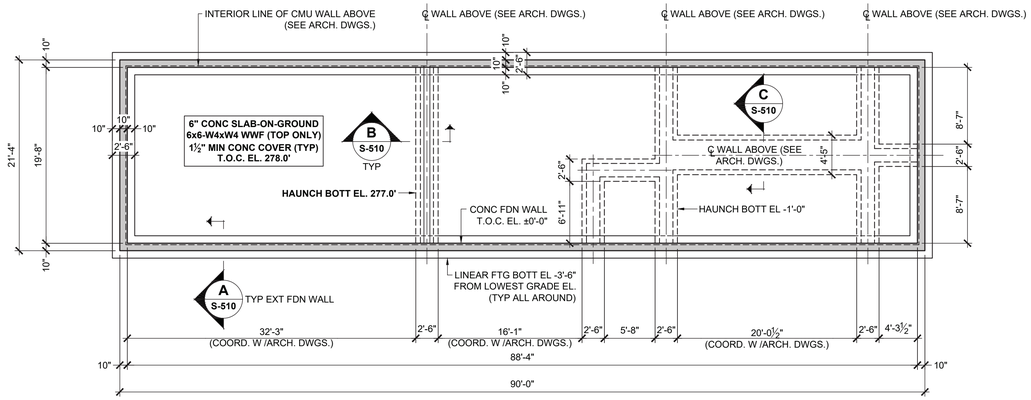
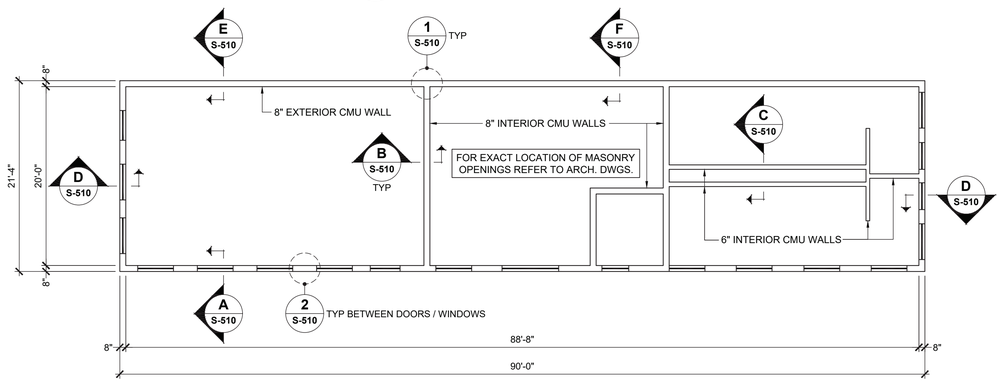
Drawing Title: STRUCTURAL NOTES, LEGEND & ABBREVIATIONS

Drawing No. S-010



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



2 LINTEL PLAN
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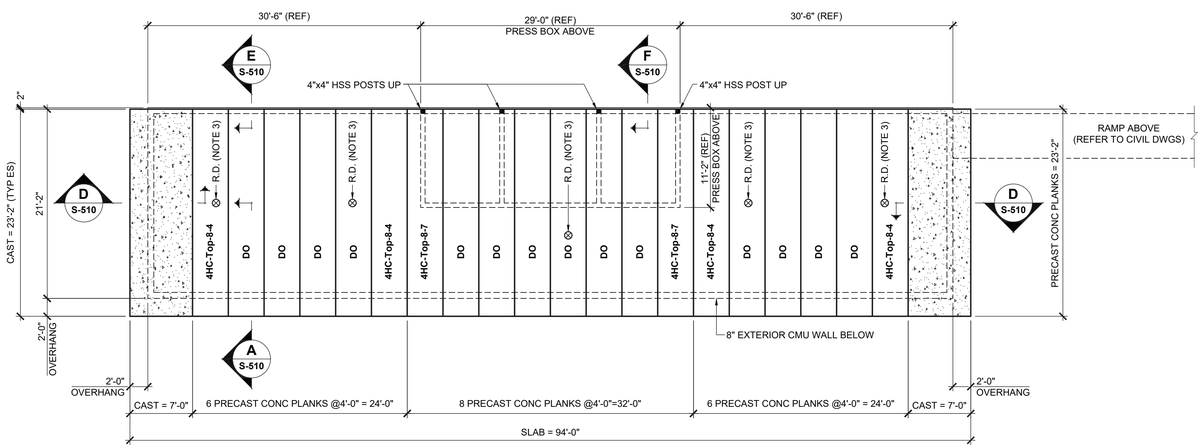
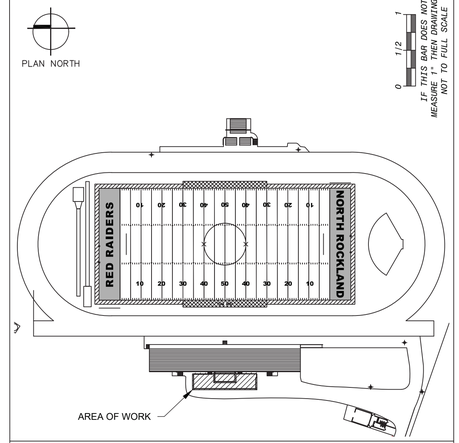


3 ROOF PLAN @T.O.C. EL. +10'-0"
SCALE: 1/8"=1'-0"



KEY PLAN

NOTES:

1. HOLLOW-CORE CONCRETE PLANK DESIGN BASED ON THE PRODUCT MANUFACTURED BY ENCON UNITED COMPANY, Puyallup, WA 98375 OR APPROVED EQUAL.
2. PRECAST PLANK DESIGNATION READS AS FOLLOWS:
   4HC-Top-8-4
   - NUMBER OF ½"Ø HIGH-STRENGTH STRANDS PER PANEL
   - PLANK THICKNESS (IN)
   - 2" CONCRETE TOPPING OVER PLANKS
   - HC - HOLLOW CORE
   - PLANK WIDTH (FT)
3. R.D. (ROOF DRAIN) LOCATIONS ARE SUBJECT TO COORDINATION WITH ARCHITECTURAL PLANS PROVIDING THAT THEY SHALL NOT BE LOCATED OVER KEYWAYS BETWEEN PRECAST PLANKS, BUT OVER PLANKS VOIDS.

No.	Date	Revisions
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.	.	.
.4	01-27-23	REVISIONS
.3	01-12-23	SED ADDENDUM 2
.2	12-09-22	SED ADDENDUM 1
.1	10-28-22	BIDDING DOCUMENTS

Drawn by	AN
Checked by	JGC
Project No.	42051
Scale	AS NOTED
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Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-0-016-005
PRESS BOX (DEMO): SBL# 50-02-01-06-7-028-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
FIELDHOUSE: SBL# 50-02-01-06-7-006-001

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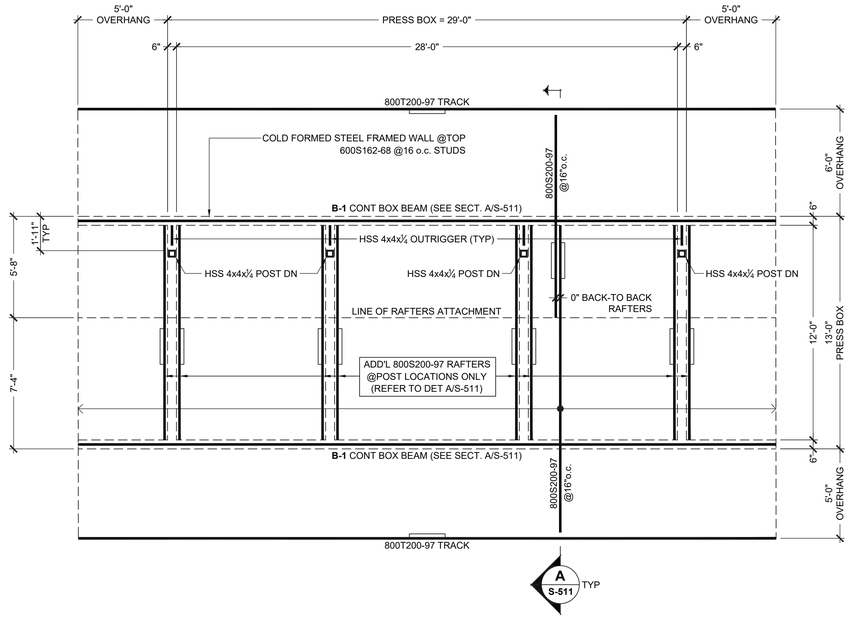
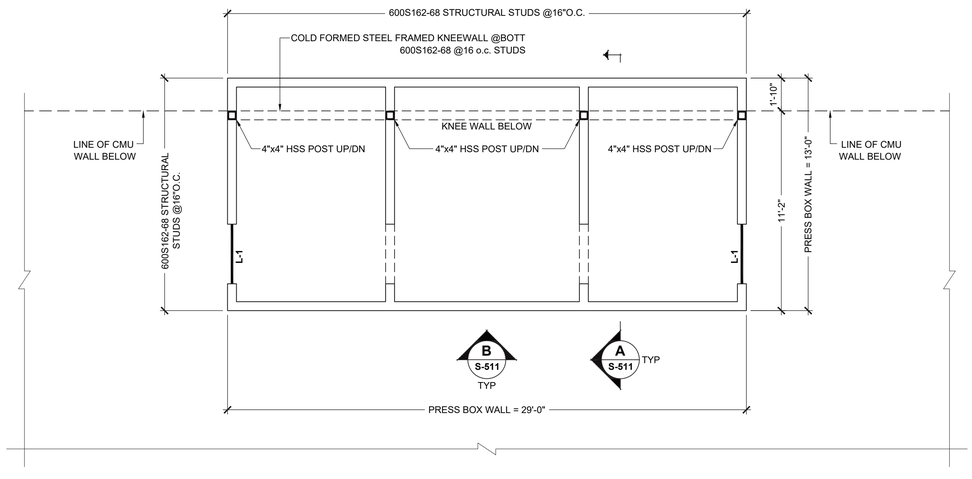
Drawing Title
CONCESSION STRUCTURAL PLANS

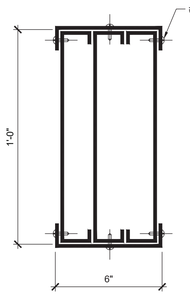
Drawing No.
S-110



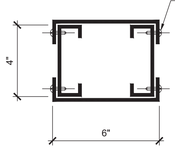
1 PRESS BOX ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



2 PRESS BOX LINTEL PLAN
SCALE: 1/4"=1'-0"

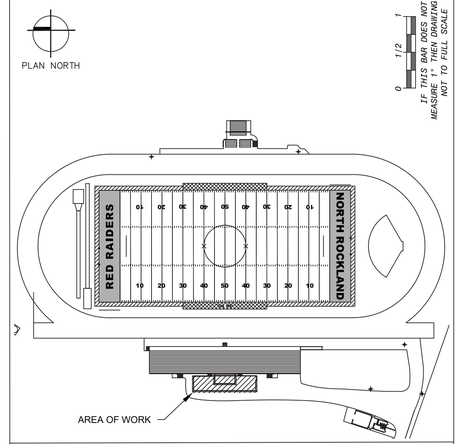


B-1



L-1

BEAM AND LINTEL SCHEDULE		
NO.	OPN'G WIDTH	LINTEL COMPOSITION
B-1	--	(3) 1200S200-97 / (2) 600T125-97
L-1	3'-0" / 4'-0"	(2) 400S137-54 / (2) 600T125-54



KEY PLAN

STRUCTURAL STEEL NOTES:

1. STEEL CONSTRUCTION SHALL CONFORM TO AISC "MANUAL OF STEEL CONSTRUCTION", 15th EDITION, AND SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AS ADOPTED ON JUNE 15, 2016.

2. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE ABOVE AISC SPECIFICATION AND SECTION 2201 OF THE NEW YORK STATE BUILDING CODE, 2020 EDITION.

3. ALL W-SHAPE STRUCTURAL STEEL SHALL BE ASTM A992, GRADE 50. CHANNELS, ANGLES, PLATES & MISC. STEEL TO BE ASTM A36. ALL COLD FORMED STEEL SHALL BE A500 TYPE B.

4. MATERIAL ACCEPTANCE OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF SECTION AND TABLE 1704.3 OF THE NEW YORK STATE BUILDING CODE, 2020 EDITION.

5. SUBMIT CHECKED SHOP DRAWINGS PREPARED BY A LICENSED PROFESSIONAL ENGINEER TO PSEGLI FOR APPROVAL. SUBMIT ERECTION PLANS INDICATING LOCATION OF JOINT AND MEMBER MARKINGS.

6. DETAILS OF CONNECTIONS SHALL CONFORM TO AISC STANDARDS, AND MANUAL OF STEEL CONSTRUCTION, 15th EDITION.

7. ALL CONNECTIONS, BOTH FIELD AND SHOP, ARE SUBJECT TO SPECIAL INSPECTION.

8. PROVIDE ALL TEMPORARY BRACING OF THE STEEL FRAMING REQUIRED TO MAINTAIN PLUMBNESS AND STABILITY DURING CONSTRUCTION.

9. BOLTED CONNECTIONS
   a) ALL BOLTS SHALL BE HIGH-STRENGTH CONFORMING TO ASTM A 325N OR ASTM A 490, UNLESS OTHERWISE NOTED.
   b) ALL BOLTED CONNECTIONS SHALL BE MINIMUM OF TWO (2) ¾"Ø WITH HARDENED WASHERS UNDER THE TURNING ELEMENT (INCLUDING TURN OF THE NUT METHOD), U.N.O.
   c) HIGH-STRENGTH BOLTED CONNECTIONS SHALL BE INSTALLED IN CONFORMANCE TO AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS," APPROVED DECEMBER 31, 2009 AND ADOPTED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.
   d) ALL CONTACT SURFACES, INCLUDING SURFACES ADJACENT TO THE BOLT HEAD AND NUT, SHALL BE FREE OF SCALE, OIL, PAINT, LACQUER, AND OTHER FOREIGN MATERIAL. BURRS THAT WOULD PREVENT SOLID SEATING OF THE CONNECTED PARTS IN THE SNUG TIGHT CONDITION SHALL BE REMOVED. CONTACT SURFACES THAT ARE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ROUGHENED BY MEANS OF HAND WIRE BRUSHING (POWER BRUSHING IS PROHIBITED) WILL BE PERMITTED.
   e) ALL ANCHOR BOLTS SHALL BE EXPANSION ANCHORS OR AS SHOWN ON DRAWINGS.
   f) ALL BOLTED CONNECTIONS SHALL MEET STRUCTURAL INTEGRITY REQUIREMENTS OF SECTION 2204.2 OF THE NEW YORK STATE BUILDING CODE, 2020 EDITION.

11. WELDED CONNECTIONS
   a) WELDING OPERATIONS AND DESIGN SHALL BE IN ACCORDANCE WITH THE SECTION 2204.1 OF THE NEW YORK STATE BUILDING CODE, 2020 EDITION.
   b) WELDING SHALL BE PERFORMED BY LICENSED WELDERS.
   c) AWS CLASS E70XX SERIES ELECTRODES SHALL BE USED FOR WELDING OF NEW STRUCT. STEEL.
   d) ALL CONTACT SURFACES AND AREAS WITHIN TWO INCHES OF WELD DURING WELDING SHALL BE FREE OF SCALE, OIL, PAINT LACQUER, GALVANIZING, AND ANY OTHER FOREIGN MATERIAL.
   e) BUTT WELDS SHALL BE COMPLETE PENETRATION AND FILLET WELDS SHALL BE A MIN. OF 5/16" U.O.N.

12. ALL WELDED CONNECTIONS SHALL MEET STRUCTURAL INTEGRITY REQUIREMENTS OF SECTION 2204.1 OF THE NEW YORK STATE BUILDING CODE, 2020 EDITION.

13. ALL STRUCTURAL STEEL MEMBERS SHALL BE HOT DIPPED GALVANIZED AS PER ASTM A123 AND ALL HARDWARE AS PER ASTM A153.

14. FIELD WELDED AND ABRADED GALVANIZED SURFACES SHALL BE WIRE BRUSHED AND REPAIRED WITH A COATING OF COLD GALVANIZING COMPOUND APPLIED IN ACCORDANCE WITH COMPOUND MANUFACTURER'S INSTRUCTIONS. MINIMUM THICKNESS SHALL NOT BE LESS THAN 2.0 MILS DRY FILM PER COAT.

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No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
2	12-09-22	SED ADDENDUM 1
1	10-28-22	BIDDING DOCUMENTS

Drawn by AN
Checked by JGC
Project No. FRAMING PLANS
Scale AS NOTED
Date 10/25/22

Mechanical & Electrical Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901

Structural Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901

PRESS BOX

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL: SED# 50-02-01-06-0-016-056
PRESS BOX (DEMO) SED# 50-02-01-06-7-023-001
CONCESSIONS-PRESS BOX (NEW) SED# 50-02-01-06-7-070-001
FIELDHOUSE SED# 50-02-01-06-7-080-001

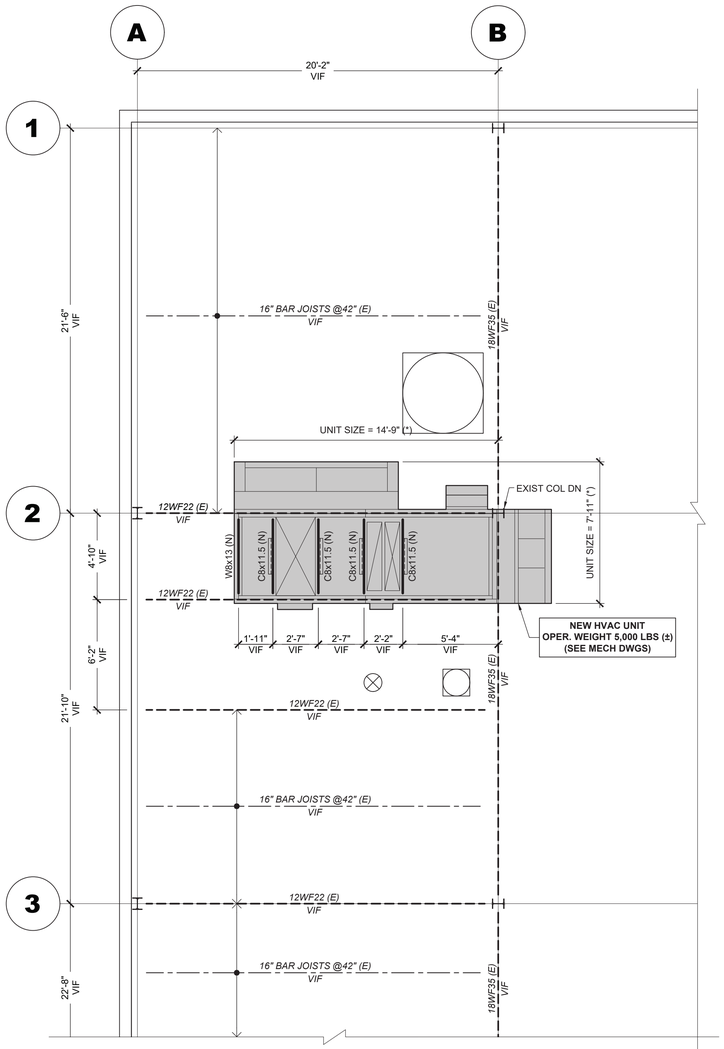
106 Hammond Rd.
Pearl River, NY 10965

TOWN OF ORANGETOWN
COUNTY OF ROCKLAND

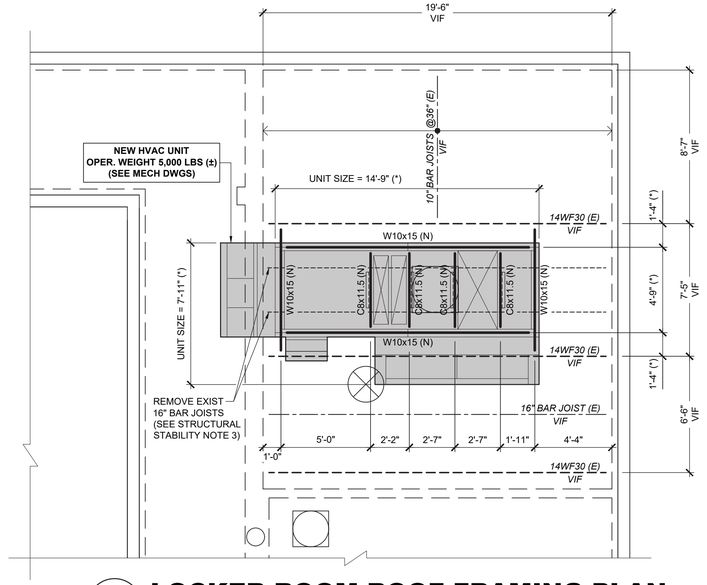
MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

Drawing Title
PRESS BOX
STRUCTURAL PLANS

Drawing No.
S-111

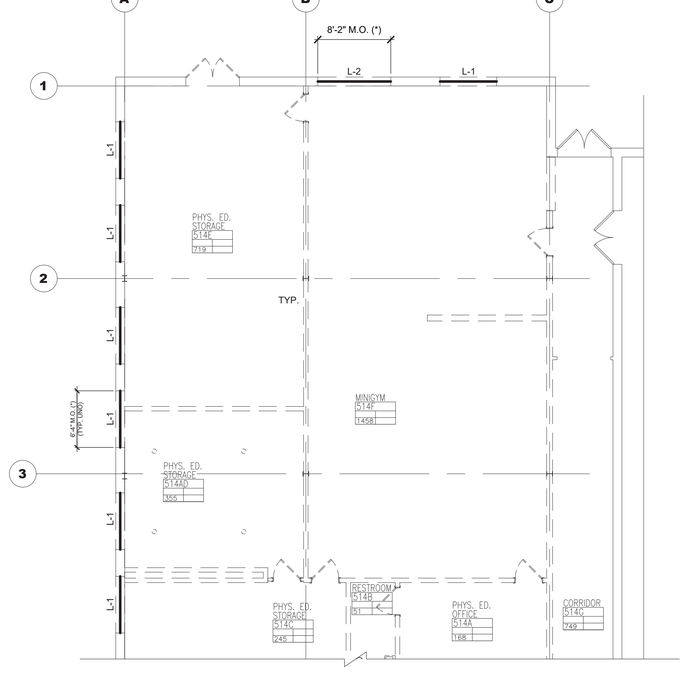


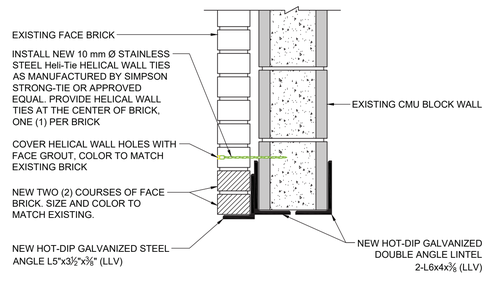
1 WEIGHT ROOM ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



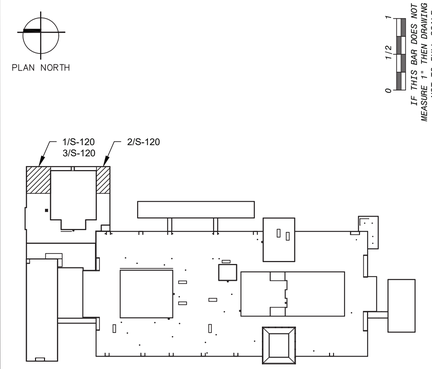
2 LOCKER ROOM ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"

3 WEIGHT ROOM LINTEL PLAN
SCALE: 1/4"=1'-0"





4 LINTEL DETAIL
SCALE: 1 1/2"=1'-0"



KEY PLAN

STRUCTURAL STEEL NOTES:

1. STEEL CONSTRUCTION SHALL CONFORM TO AISC "MANUAL OF STEEL CONSTRUCTION", 15th EDITION, AND SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ANSI/AISC 303-16 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
2. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE ABOVE AISC SPECIFICATION AND SECTION 2201 OF THE 2020 NEW YORK STATE BUILDING CODE.
3. ALL W-SHAPE STRUCTURAL STEEL SHALL BE ASTM A992, GRADE 50. CHANNELS, ANGLES, PLATES & MISC. STEEL TO BE ASTM A36. ALL COLD FORMED HOLLOW STRUCTURAL STEEL SHAPES SHALL BE A500 TYPE B.
4. MATERIAL ACCEPTANCE OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF SECTION AND TABLE 1704.3 OF THE 2020 NEW YORK STATE BUILDING CODE.
5. SUBMIT CHECKED SHOP DRAWINGS PREPARED BY A LICENSED PROFESSIONAL ENGINEER TO EoR FOR APPROVAL. SUBMIT ERECTION PLANS INDICATING LOCATION OF JOINT AND MEMBER MARKINGS.
6. ALL CONNECTIONS, BOTH FIELD AND SHOP, ARE SUBJECT TO SPECIAL INSPECTION.
7. PROVIDE ALL TEMPORARY BRACING OF THE STEEL FRAMING REQUIRED TO MAINTAIN PLUMBNESS AND STABILITY DURING CONSTRUCTION.
8. BOLTED CONNECTIONS
   a. ALL BOLTS SHALL BE HIGH-STRENGTH CONFORMING TO ASTM A325N OR ASTM A490, UNLESS OTHERWISE NOTED.
   b. ALL BOLTED CONNECTIONS SHALL BE MINIMUM OF TWO (2) ¾"Ø WITH HARDENED WASHERS UNDER THE TURNING ELEMENT (INCLUDING TURN OF THE NUT METHOD), U.O.N.
   c. HIGH-STRENGTH BOLTED CONNECTIONS SHALL BE INSTALLED IN CONFORMANCE TO AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS," APPROVED AUGUST 1, 2014 AND ADOPTED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.
   d. ALL CONTACT SURFACES, INCLUDING SURFACES ADJACENT TO THE BOLT HEAD AND NUT, SHALL BE FREE OF SCALE, OIL, PAINT, LACQUER, AND OTHER FOREIGN MATERIAL. BURRS THAT WOULD PREVENT SOLID SEATING OF THE CONNECTED PARTS IN THE SNUG TIGHT CONDITION SHALL BE REMOVED. CONTACT SURFACES THAT ARE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ROUGHENED BY MEANS OF HAND WIRE BRUSHING (POWER BRUSHING IS PROHIBITED) WILL BE PERMITTED.
   e. ALL ANCHOR BOLTS SHALL BE ADHESIVE ANCHORS OR EXPANSION BOLTS OR AS SHOWN ON DRAWINGS.
   f. ALL BOLTED CONNECTIONS SHALL MEET STRUCTURAL INTEGRITY REQUIREMENTS OF SECTION 2204.2 OF THE 2020 NEW YORK STATE BUILDING CODE.
10. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING, LADDERS, & HAND RAILS MAY USE ⅝"Ø ASTM A307 BOLTS, U.O.N.
11. WELDED CONNECTIONS
    a. WELDING OPERATIONS AND DESIGN SHALL BE IN ACCORDANCE WITH THE SECTION 2204.1 OF THE 2020 NEW YORK STATE BUILDING CODE.
    b. WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.
    c. AWS CLASS E70XX SERIES ELECTRODES SHALL BE USED FOR WELDING OF NEW STRUCT. STEEL.
    d. ALL CONTACT SURFACES AND AREAS WITHIN TWO INCHES OF WELD DURING WELDING SHALL BE FREE OF SCALE, OIL, PAINT LACQUER, GALVANIZING, AND ANY OTHER FOREIGN MATERIAL.
    e. BUTT WELDS SHALL BE COMPLETE PENETRATION AND FILLET WELDS SHALL BE A MIN. OF ¼" U.O.N.
11. ALL WELDED CONNECTIONS SHALL MEET STRUCTURAL INTEGRITY REQUIREMENTS OF SECTION 2204.1 OF THE NEW YORK STATE BUILDING CODE, 2020 EDITION.
12. ALL STRUCTURAL STEEL MEMBERS SHALL BE HOT DIPPED GALVANIZED AS PER ASTM A123 AND ALL HARDWARE AS PER ASTM A153.

STRUCTURAL STABILITY NOTES:

1. THE STRUCTURES SHALL BE ADEQUATELY GUYED AND BRACED TO MAINTAIN SAFETY AND ALIGNMENT DURING ALL PHASES OF CONSTRUCTION. SUCH GUYING AND BRACING SHALL REMAIN IN PLACE UNTIL THE STRUCTURE HAS REACHED ADEQUATE STRENGTH AND/OR ALL PERMANENT BRACING IS IN PLACE. ENSURE THAT CONSTRUCTION OPERATIONS AND PROCEDURES IMPOSE NO LOADING GREATER THAN THE DESIGN LOADS ON ANY MEMBER.
2. CONTRACTOR IS RESPONSIBLE TO SHORE AND BRACE EXISTING BEAMS AND OTHER STRUCTURAL MEMBERS DURING REMOVAL OF EXISTING BAR JOISTS.
3. SUBMIT SHORING AND BRACING SHOP DRAWING ALONG WITH CALCULATIONS SIGNED AND SEALED BY PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK TO THE ENGINEER OF RECORD FOR APPROVAL.

No.	Date	Revisions
.	.	.
.	.	.
.	.	.
.4	01-27-23	REVISIONS
.3	01-12-23	SED ADDENDUM 2
.2	12-09-22	SED ADDENDUM 1
.1	10-28-22	BIDDING DOCUMENTS

IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

Drawn by AN
Checked by JGC
Project No. 42051
Scale AS NOTED
Date 10/25/22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901
Mechanical & Electrical Engineer:

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901
Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL
PROJECTS – PHASE 1
HIGH SCHOOL: SBDH# 50-02-01-06-0-010-005
PRESS BOX (DEMO): SBDH# 50-02-01-06-7-025-001
CONCESSIONS-PRESS BOX (NEW): SBDH# 50-02-01-06-7-079-001
FIELDHOUSE: SBDH# 50-02-01-06-7-008-001
150 Blaauwgraad Rd.
Nanuet, NY 10954
TOWN OF ORANGETOWN
COUNTY OF ROCKLAND

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

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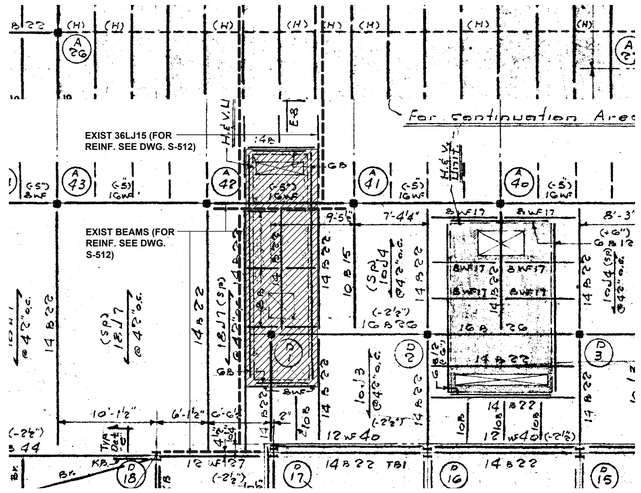
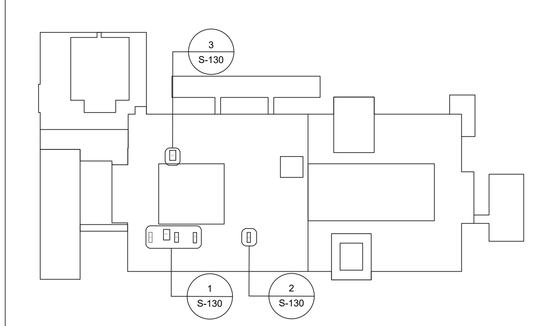
Drawing Title
WEIGHT RM & LOCKER RM ROOF FRAMING PLANS

Drawing No.
S-120



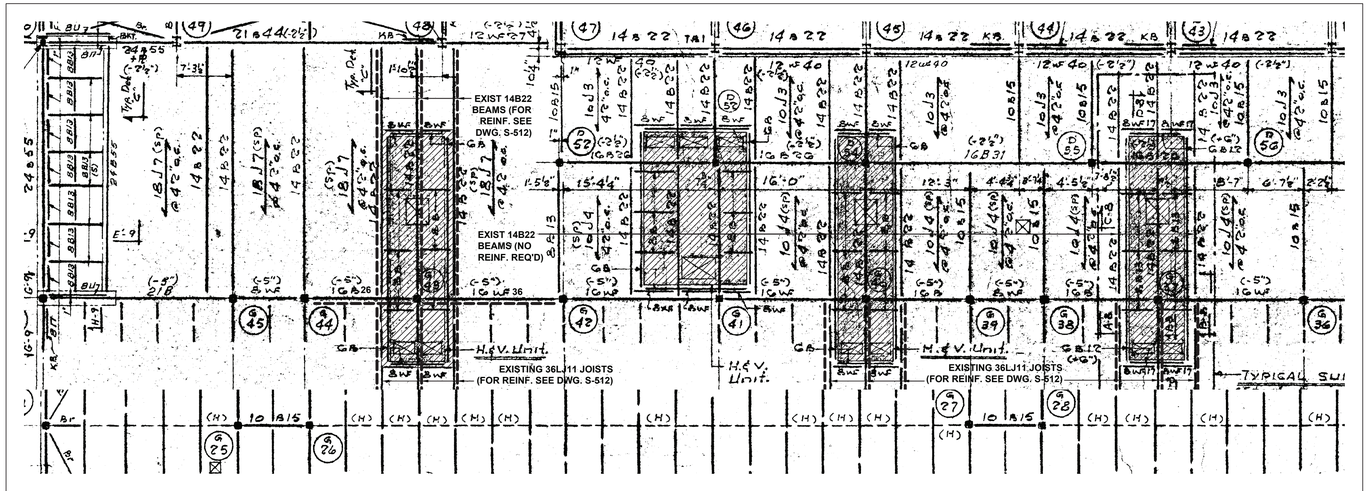
3 K1
SCALE: 1/8"=1'-0"



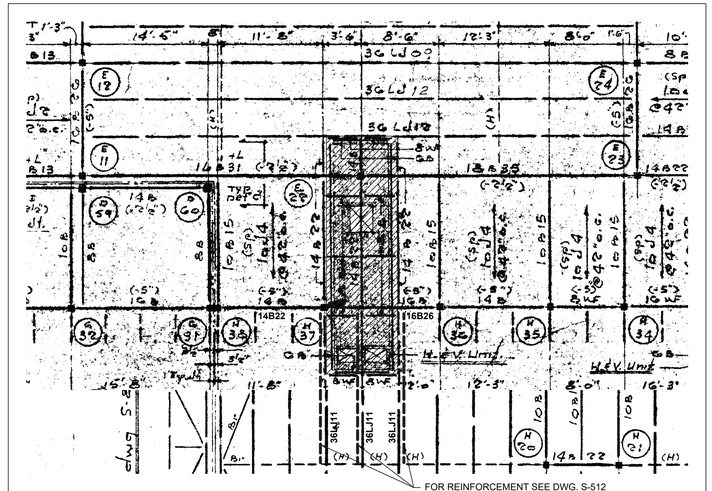
KEY PLAN

NOTES:

1. THIS DRAWING IS SHOWN TO INDICATE THE STRUCTURAL MEMBERS THAT REQUIRE REINFORCEMENT. SEE NOTES AND DETAILS ON DRAWING S-512 FOR AN ACCURATE LENGTH OF ALL REINFORCEMENT.
2. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD MEASURE EXISTING CONDITIONS. SUBMIT SHOP DRAWINGS WHICH REFLECT THE FIELD CONDITIONS PRIOR TO FABRICATION.



1 G1, K2, G2 & G3
SCALE: 1/8"=1'-0"



2 H1
SCALE: 1/8"=1'-0"

No.	Date	Revisions
5		
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
2	12-09-22	SED ADDENDUM 1
1	10-28-22	BIDDING DOCUMENTS

Drawn by
Checked by
Project No. 42051
Scale AS NOTED
Date 10/25/22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901

Mechanical & Electrical Engineer:

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL: SBM# 50-02-01-06-0-015-005
PRESS BOX (BBM): SBM# 50-02-01-06-7-068-001
CONCESSIONS-PRESS BOX (NEW): SBM# 50-02-01-06-7-079-001
FIELDHOUSE: SBM# 50-02-01-06-7-069-001

TOWN OF HAVERSTRAW
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Thiells, NY 10984

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140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

Drawing Title
ROOF PARTIAL FRAMING PLANS

Drawing No.
S-130

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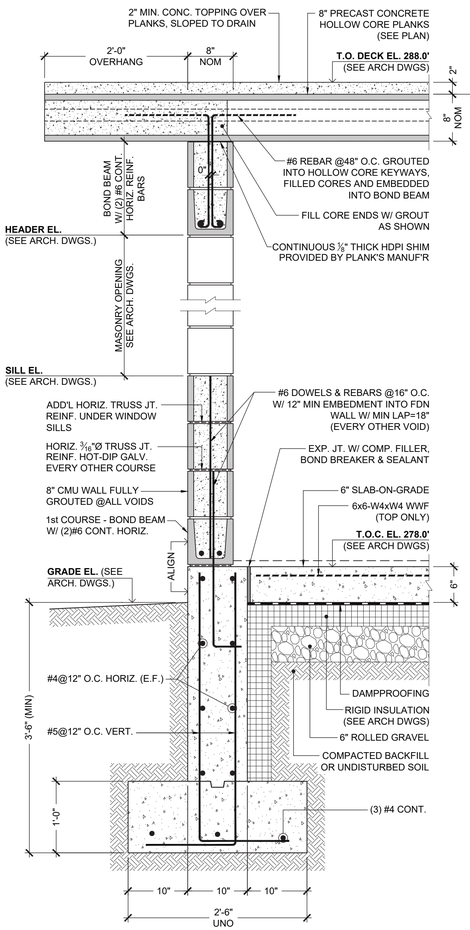

A VERTICAL SECTION
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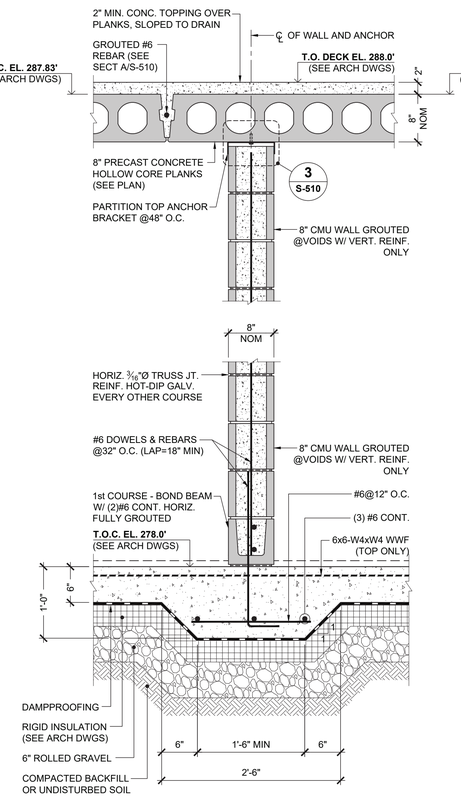

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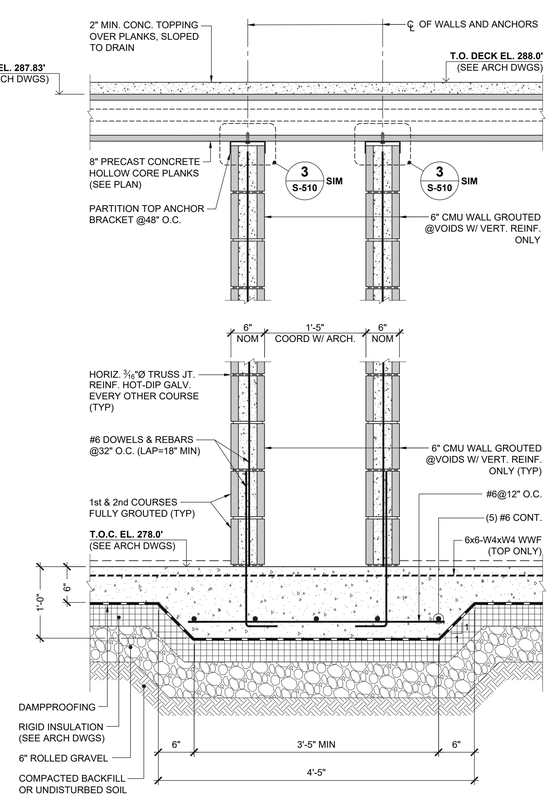

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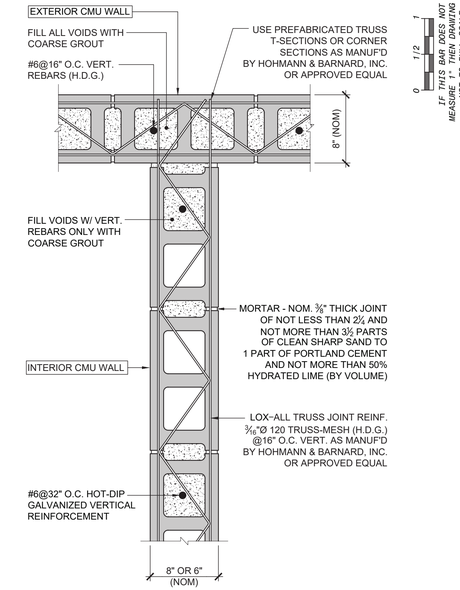
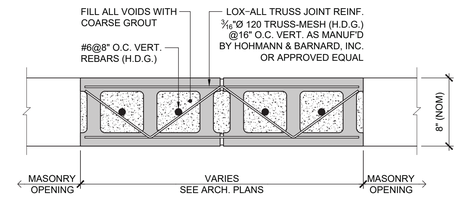


1 DETAIL
SCALE: 1 1/2"=1'-0"



2 DETAIL
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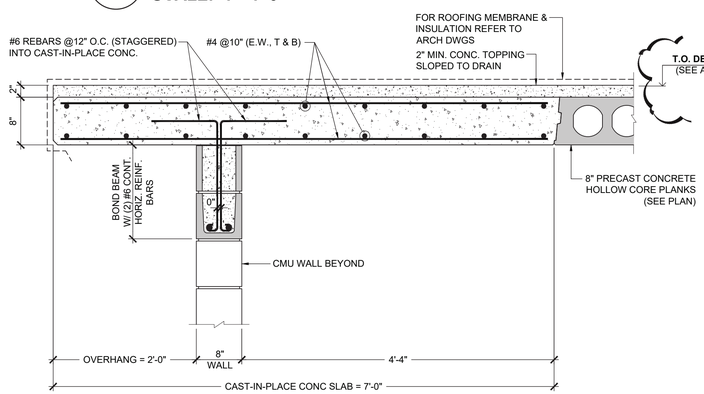

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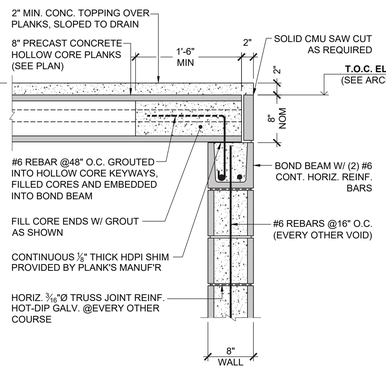

E VERTICAL SECTION
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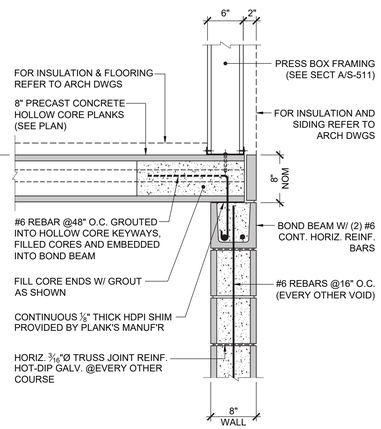

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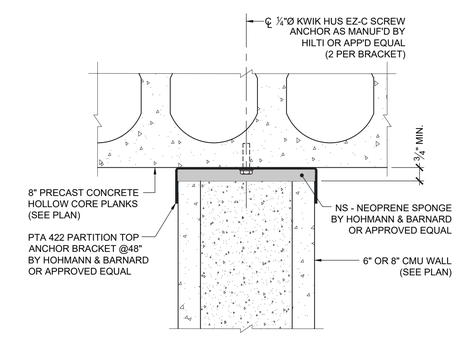

3 DETAIL
SCALE: 3"=1'-0"

IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE
0 1/2 1

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
2	12-09-22	SED ADDENDUM 1
1	10-28-22	BIDDING DOCUMENTS
.	.	.
.	.	.
.	.	.
.	.	.

Drawn by AN
Checked by JGC
Project No. 42051
Scale AS NOTED
Date 10/25/22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901
Mechanical & Electrical Engineer:

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901
Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-0-015-005
PRESS BOX (DEMO): SBL# 50-02-01-06-7-025-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-009-001
FIELDHOUSE: SBL# 50-02-01-06-7-030-001

106 Haverstraw Rd.
Suffern, NY 10901

TOWN OF RAMAPO
COUNTY OF ROCKLAND

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140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

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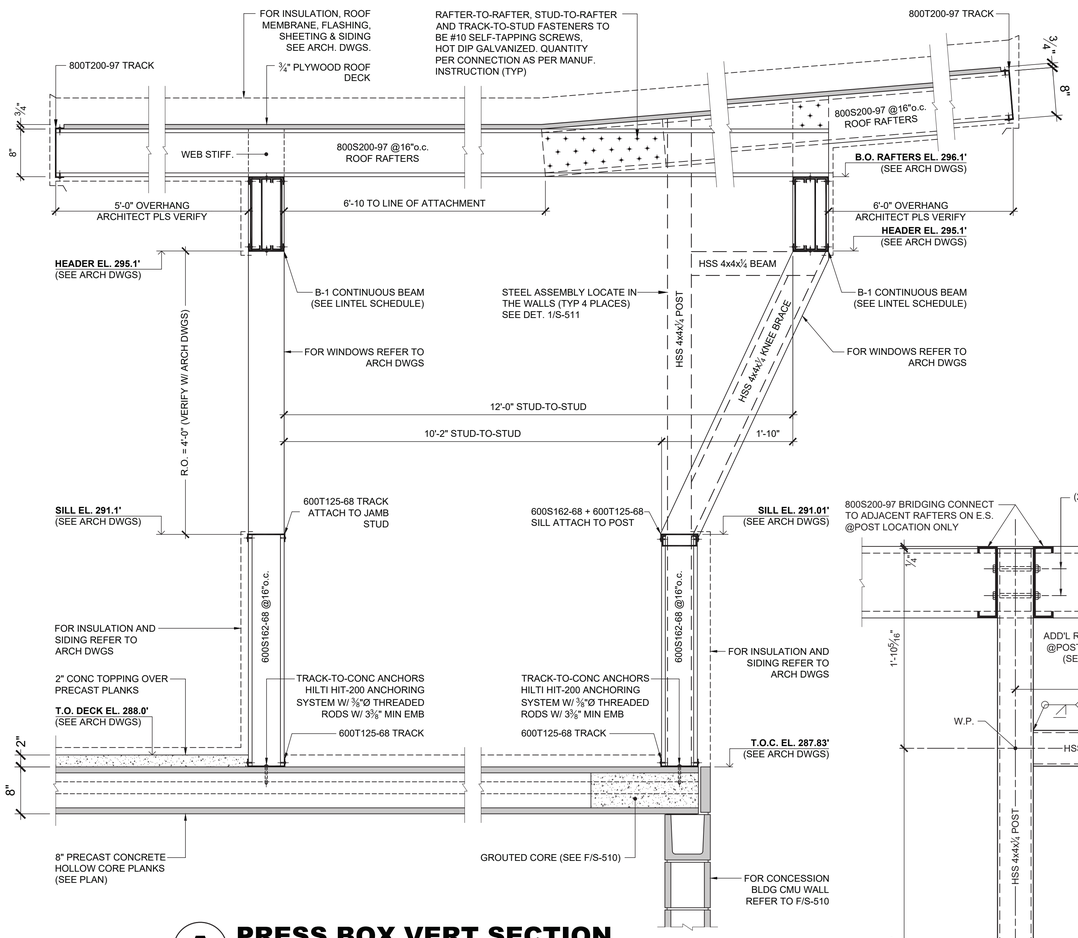
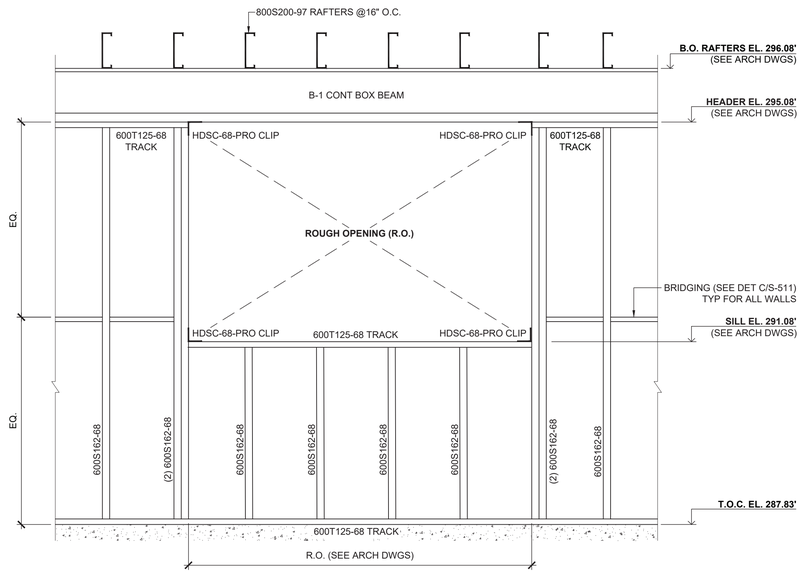
Drawing Title: STRUCTURAL DETAILS

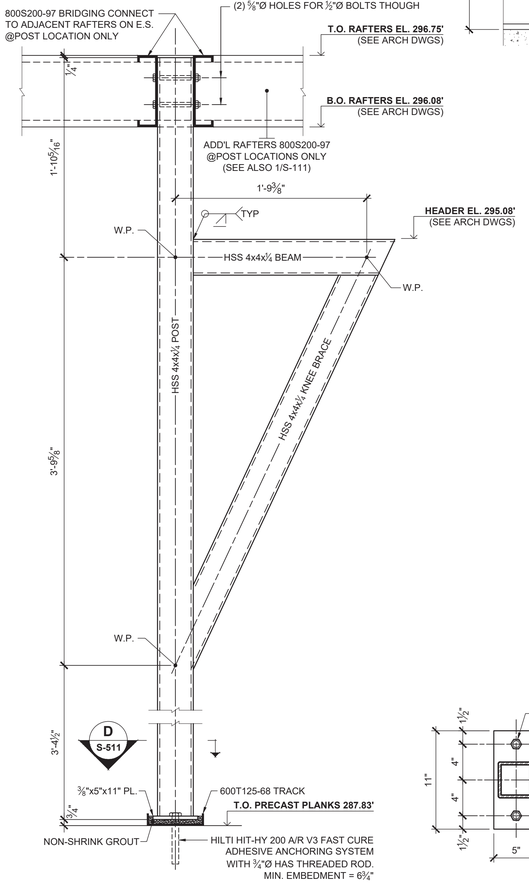
Drawing No. S-510



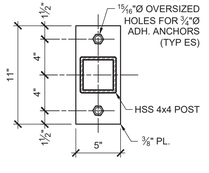
A PRESS BOX VERT SECTION
SCALE: 1"=1'-0"



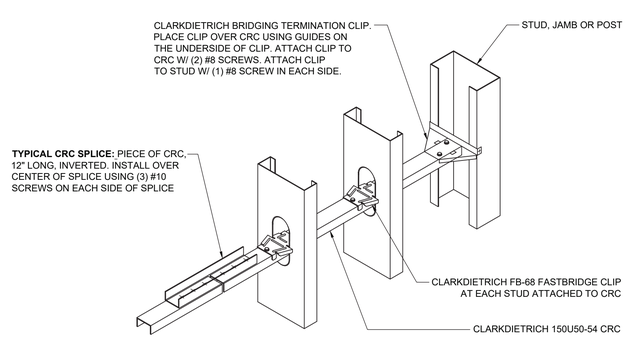
B TYP WINDOW FRAMING ELEVATION
SCALE: 3/4"=1'-0"



1 STEEL SUPPORT DETAIL
SCALE: 1 1/2"=1'-0



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



C TYP STUD BRIDGING DETAIL
SCALE: 1"=1'-0"

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No.	Date	Revisions
1	10-28-22	BIDDING DOCUMENTS
2	12-09-22	SED ADDENDUM 1
3	01-12-23	SED ADDENDUM 2
4	01-27-23	REVISIONS
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IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

Drawn by	AN
Checked by	JGC
Project No.	42051
Scale	AS NOTED
Date	10/25/22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901

Mechanical & Electrical Engineer:

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

3

HIGH SCHOOL: SBL# 50-02-01-06-0-015-005
PRESS BOX (DEMO): SBL# 50-02-01-06-7-008-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
RESTROOMS: SBL# 50-02-01-06-7-006-001

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140 Park Avenue New City, NY 10956 Tel 845-708-9200
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Drawing Title
PRESS BOX
STRUCTURAL DETAILS

Drawing No.
S-511

GENERAL NOTES:

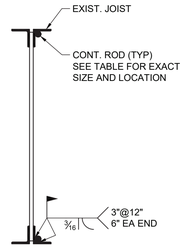
1. ALL WORK SHALL BE GOVERNED BY THE TERMS AND CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, THE STRUCTURES HAVE BEEN DESIGNED IN COMPLIANCE WITH THE REQUIREMENTS OF 2020 BUILDING CODE OF NEW YORK STATE, ASCE/SEI 7-16 AND OSHA LATEST EDITION.
2. CONTRACTOR AND SUBCONTRACTOR SHALL BE LICENSED BY NEW YORK STATE WHERE REQUIRED TO PERFORM THE SPECIFIED WORK. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO INSTALL ALL NECESSARY COMPONENTS IN THE COMPLETION OF WORK UNDER THIS CONTRACT IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
3. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, REGULATIONS, AND ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK INDICATED IN THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS, APPROVALS, AS WELL AS THEIR ASSOCIATED FEES, FOR ALL TRADES, EXCEPT WHERE SPECIFIED AND AGREED UPON ELSEWHERE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING WITH CLIENT'S REPRESENTATIVE FOR RIGGING AND HOISTING FACILITIES FOR HANDLING MATERIALS AND REMOVAL OF DEBRIS.
6. THE CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH CONDITIONS THEREON AND TO DETERMINE THE EXTENT OF ALL FACILITIES AND SERVICES REQUIRED TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL MAINTAIN ONE COPY OF THE LATEST CONTRACT DOCUMENTS INCLUDING ALL CHANGES AT THE JOB SITE FOR THE USE OF THE ARCHITECT OF RECORD (AoR) AND/OR ENGINEER OF RECORD (EoR).
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO CLIENT FOR THE ACTS AND OMISSIONS OF ALL THEIR EMPLOYEES AND ALL SUBCONTRACTORS, THEIR AGENTS AND EMPLOYEES, AND ALL OTHER PERSONS PERFORMING ANY OF THE WORK FOR THE CONTRACTOR.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INCURRED ANYWHERE WITHIN THE BOUNDARIES OF THE PROPERTY, AND ANY DAMAGE SHALL BE PROMPTLY REPAIRED TO ORIGINAL CONDITION TO THE SATISFACTION OF THE CLIENT'S REPRESENTATIVE AND/OR EoR AT NO COST TO THE CLIENT.
10. DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL REGULARLY REMOVE ALL UNUSED MATERIAL, RUBBISH, AND DEBRIS FROM THE PROPERTY AND BROOM CLEAN DAILY. THE SITE AND PREMISES SHALL BE KEPT REASONABLY CLEAN, NEAT AND ORDERLY TO THE SATISFACTION OF THE CLIENT'S REPRESENTATIVE.
11. THE CONTRACTOR SHALL CONTROL CLEANING OPERATIONS TO PREVENT DIRT OR DUST FROM LEAVING THE JOB SITE AND INFILTRATING AREAS NOT INVOLVED IN THE PROJECT.
12. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO FABRICATION AND SHALL REPORT ANY DEVIATIONS OF DIMENSIONS, DISCREPANCIES AND/OR CONDITIONS WHICH WOULD INTERFERE WITH THE COMPLETION OF THE WORK TO THE AoR AND/OR EoR FOR RESOLUTION AND BEFORE PERFORMING THE WORK.
13. WHEN "APPROVED EQUAL", "EQUAL TO", "APPROVED ALTERNATE", OR WHERE OTHER QUALIFYING TERMS ARE USED, SUBSTITUTIONS SHALL BE BASED SOLELY UPON THE REVIEW AND APPROVAL OF THE AoR, EoR AND/OR CLIENT'S REPRESENTATIVE. THE BURDEN OF PROOF THAT A PRODUCT OR SYSTEM MEETS OR EXCEEDS THAT WHICH WAS SPECIFIED IN CONSTRUCTION DOCUMENTS LIES ENTIRELY ON THE CONTRACTOR.
14. NOTATIONS ON ANY PLAN, ELEVATION, SECTION, OR DETAIL ARE APPLICABLE TO ALL PLANS, ELEVATIONS, SECTIONS, AND DETAILS. IF A CONFLICT ARISES - EoR SHALL BE INFORMED IMMEDIATELY.
15. DO NOT SCALE DRAWINGS. USE DIMENSIONAL NOTATION ONLY.
16. LARGE SCALE DWGS. (i.e. SECTIONS, DETAILS, ETC.) TAKE PRECEDENCE OVER SMALL SCALE DWGS.
17. SUBMIT WELDER'S CERTIFICATION PRIOR TO START OF WORK.
18. SUBMIT SHOP DRAWINGS, PRODUCT DATA FOR APPROVAL PRIOR TO PURCHASE AND FABRICATION OF MATERIALS AND COMPONENTS. REPRODUCTION OF CONTRACT DRAWINGS TO BE USED AS SHOP DRAWINGS IS NOT PERMITTED.
19. WHEN OPEN FLAME OR SPARK-PRODUCING TOOLS AND EQUIPMENT SUCH AS WELDING RODS ARE BEING USED, THE CONTRACTOR SHALL PROVIDE FIRE GUARDS TO MAINTAIN A FIRE WATCH OVER THE OPERATION OF THESE ITEMS AT ALL TIMES DURING THE USE AND UNTIL ALL MATERIALS HAVE COOLED SUFFICIENTLY TO NO LONGER CONSTITUTE A FIRE HAZARD.

STRUCTURAL STEEL NOTES:

1. STEEL CONSTRUCTION SHALL CONFORM TO AISC "MANUAL OF STEEL CONSTRUCTION", 15TH EDITION, AND SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH ANSI/AISC 303-16 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
2. ALL W-SHAPE STRUCTURAL STEEL TO BE ASTM A992, GRADE 50. STRUCTURAL STEEL FOR TUBES TO BE ASTM A500, GRADE B. PIPES TO BE A53, GRADE B. CHANNELS, ANGLES & MISCELLANEOUS STEEL TO BE ASTM A36.
3. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1 STANDARDS. ELECTRODES MUST MEET E70XX SERIES REQUIREMENTS AND CONFORM TO LATEST EDITION OF AWS A5.1, OR AWS A5.5.

DESIGN CRITERIA:

1. DEAD LOAD ..... 30 PSF
   - ROOF BUILT-UP ..... 5 PSF
   - METAL DECK ..... 2 PSF
   - PERLITE ..... 13 PSF
   - SOLAR PANELS ..... 10 PSF
2. UNITS WEIGHT (SEE BELOW)
   - G1 ..... 5,161 LBS
   - G2 ..... 5,128 LBS
   - G3 ..... 5,289 LBS
   - H1 ..... 5,321 LBS
   - K1 ..... 8,085 LBS
   - K2 ..... 8,085 LBS
3. GROUND SNOW LOAD ..... 30 PSF
   SNOW DRIFT LOAD IS ADDED TO THE CALCULATIONS AS PER CODE REQUIREMENTS
4. ULTIMIATE WIND SPEED ..... 122 MPH
5. MAXIMUM UPLIFT ROOF WIND PRESSURE ..... 29 PSF

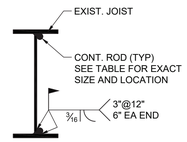


JOIST SIZE	UNITS SUPPORTED	No. OF RODS	ROD Ø (IN)	REMARKS
36LJ11	G1, G2, G3, H1	2	3/4	SEE NOTES 1 AND 2
36LJ15	K1	2	3/4	SEE NOTES 1 AND 2

NOTES:

1. START CONTINUOUS RODS AT 12" DISTANCE FROM NEAR END SUPPORT AND END AT 15' BEYOND EDGE OF UNIT, SEE DETAIL 3 ON THIS SHEET.
2. REINFORCING RODS SHALL BE CONTINUOUS AND NOT INTERRUPTED.

1 TYP EXIST JOIST REINF DETAIL
SCALE: N.T.S.

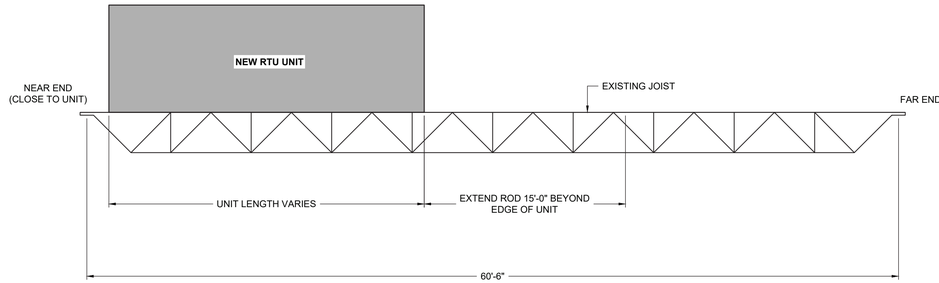


BEAM SIZE	UNITS SUPPORTED	No. OF RODS	ROD Ø (IN)	REMARKS
16WF36	G1, K1	2	1	SEE NOTES 1 AND 2
16B26	G1, K1	2	3/4	SEE NOTES 1 AND 2
14B22	G1, K1	2	1 1/4	SEE NOTES 1 AND 2
12WF27	K1	2	1	SEE NOTES 1 AND 2

NOTES:

1. START AND END CONTINUOUS RODS AT A 12" DISTANCE FROM BEAM SUPPORTS.
2. REINFORCING RODS SHALL BE CONTINUOUS AND NOT INTERRUPTED.

2 TYP EXIST BEAM REINF DETAIL
SCALE: N.T.S.



3 TYP EXIST JOIST ELEVATION REINF DETAIL
SCALE: N.T.S.

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0 1/2 1

No.	Date	Revisions
5	01-27-23	REVISIONS
4	01-12-23	SED ADDENDUM 2
3	12-09-22	SED ADDENDUM 1
2	10-28-22	BIDDING DOCUMENTS
1		

Drawn by AN
Checked by JGC
Project No. 42051
Scale AS NOTED
Date 10/25/22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
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SUFFERN, NY 10901
Mechanical & Electrical Engineer:

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901
Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS - PHASE 1

HIGH SCHOOL: SBM 50-02-01-06-0-016-005
PRESS BOX (HOME): SBM# 50-02-01-06-7-028-001
CONCESSIONS-PRESS BOX (VISIT): SBM# 50-02-01-06-7-079-001
FIELDHOUSE: SBM# 50-02-01-06-7-008-001

TOWN OF HAVERSTRAW
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Pearl River, NY 10965

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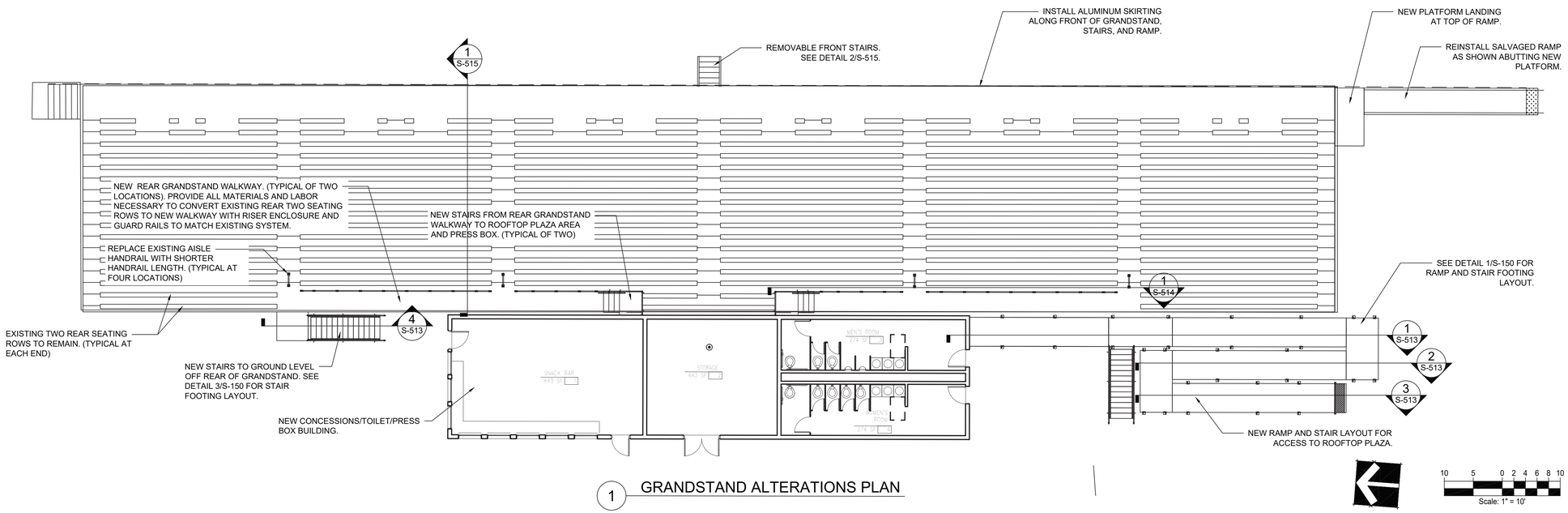
Drawing Title
HIGH SCHOOL ROOF STRUCTURAL DETAILS

Drawing No.
S-512

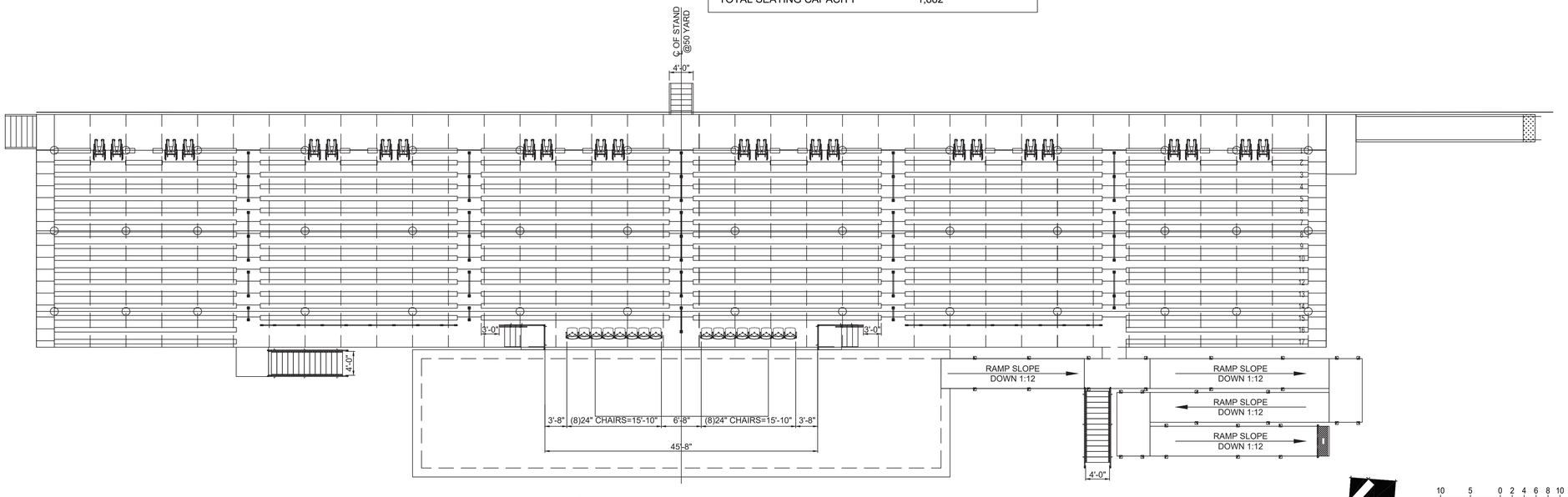


1 GRANDSTAND ALTERATIONS PLAN

NOTES:

1. GRANDSTAND ALTERATIONS SHOWN HEREIN INDICATE SCOPE OF WORK AND DESIGN INTENT. FINAL ENGINEERED DRAWINGS PROVIDED BY THE GRANDSTAND MANUFACTURER SHALL BE SUBMITTED FOR FINAL FOUNDATION DESIGN. GRANDSTAND ALTERATIONS SHALL BE DESIGNED AND FABRICATED PER APPLICABLE LOADS AS INDICATED ON DRAWING NO. S-010. SUBMIT GRANDSTAND ALTERATION DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.

ROWS	17	ELEVATION	30"
RISE	10"	RUN	24"
DECK SYSTEM -	CLOSED		
DECK FINISH -	SSRD		
BENCH SEATING CAPACITY		1,834	
CHAIR SEATING CAPACITY		0	
WHEELCHAIR SEATING CAPACITY		24 (CODE REQ. 15)	
COMPANION SEATING CAPACITY		24 (CODE REQ. 15)	
TOTAL SEATING CAPACITY		1,882	



1 VIP SEATING AREA - ALTERNATE No. 6

IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE
0 1/2 1

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
2	12-09-22	SED ADDENDUM 1
1	10-28-22	BIDDING DOCUMENTS

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Checked by RAB
Project No. 42051
Scale AS NOTED
Date 10/25/22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901
Mechanical & Electrical Engineer:

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD SUITE 302 SUFFERN, NY 10901
Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

HIGH SCHOOL SBL# 50-02-01-06-0-016-005
PRESS BOX (DEMO): SBL# 50-02-01-06-7-028-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
FIELDHOUSE SBL# 50-02-01-06-7-008-001

196 Rannacrest Rd.
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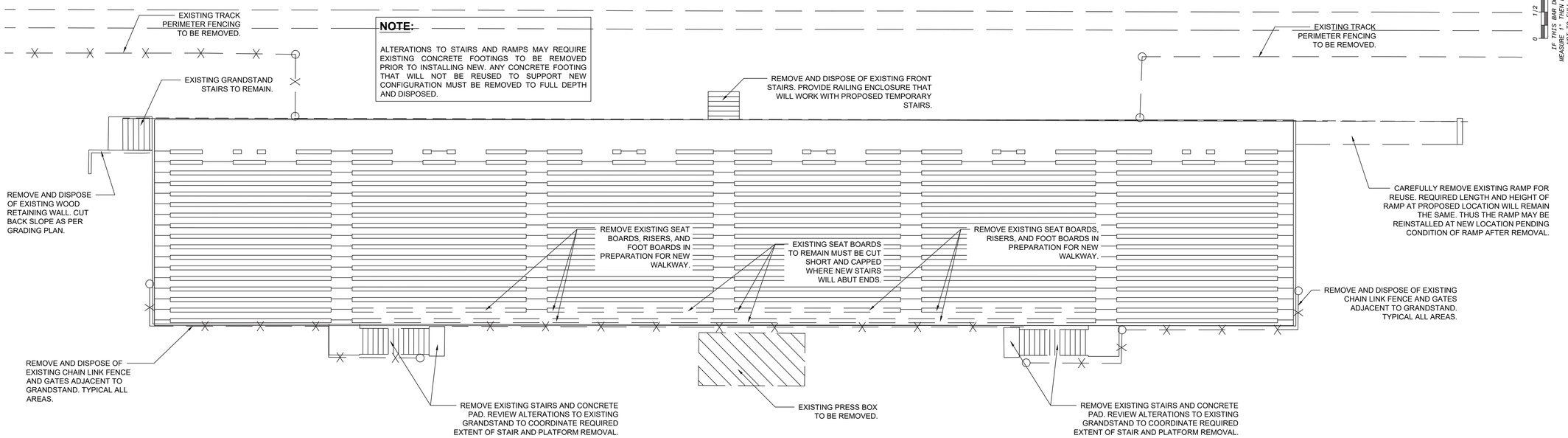
Drawing Title
GRANDSTAND CONSTRUCTION PLAN

Drawing No.
S-140



NOTE:

ALTERATIONS TO STAIRS AND RAMPS MAY REQUIRE EXISTING CONCRETE FOOTINGS TO BE REMOVED PRIOR TO INSTALLING NEW. ANY CONCRETE FOOTING THAT WILL NOT BE REUSED TO SUPPORT NEW CONFIGURATION MUST BE REMOVED TO FULL DEPTH AND DISPOSED.

0 1/2 1
IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

10 5 0 2 4 6 8 10
Scale: 1" = 10'

1 GRANDSTAND DEMOLITION AND PREPARATION PLAN

NOTES:

1. EXISTING CONDITIONS ARE THE BEST REPRESENTATION OF INFORMATION COMPLIED FROM FIELD OBSERVATIONS. CONTRACTOR SHALL SURVEY AND CONFIRM EXISTING CONSTRUCTION PRIOR TO BEGINNING ANY WORK. NOTIFY ARCHITECT IN WRITING IF ANY DISCREPANCIES ARE DISCOVERED.
2. CONTRACTOR SHALL BRACE, SHORE, PROTECT, ETC. EXISTING CONSTRUCTION AS REQUIRES TO PROVIDE SAFE WORK ENVIRONMENT AND OVERALL STRUCTURAL STABILITY.
3. SEE DRAWING NO. S-010 FOR GENERAL NOTES.

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
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GREENMAN PEDERSEN, INC
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SUFFERN, NY 10901
Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL
PROJECTS – PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-0-016-005
PRESS BOX (DEMO): SBL# 50-02-01-06-7-035-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
FIELDHOUSE SBL# 50-02-01-06-7-009-001

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Drawing Title
GRANDSTAND DEMOLITION PLAN

Drawing No.
SD-140

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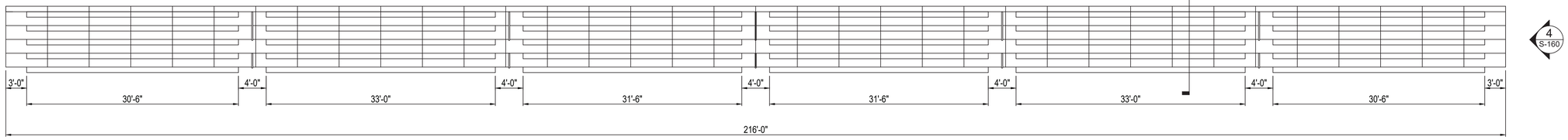
NOTES:

1. NEW GRANDSTAND SHOWN HEREIN INDICATES SCOPE OF WORK AND DESIGN INTENT. FINAL ENGINEERING DRAWINGS PROVIDED BY THE GRANDSTAND MANUFACTURER SHALL BE SUBMITTED FOR FINAL FOUNDATION DESIGN. GRANDSTAND SHALL BE DESIGNED AND FABRICATED PER APPLICABLE LOADS AS INDICATED ON DRAWING NO. S-010. SUBMIT GRANDSTAND DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.

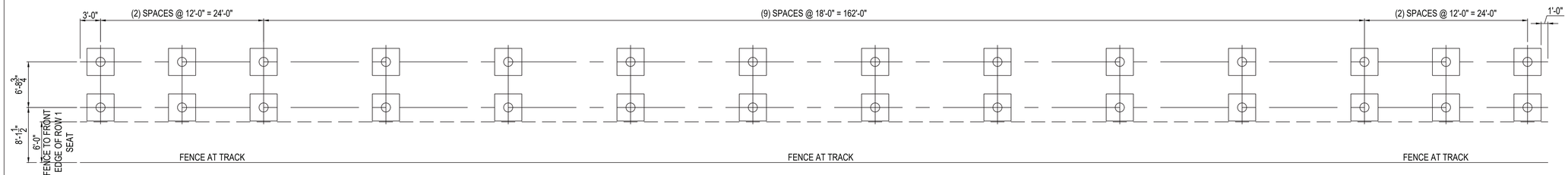
0 1/2 1

IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE



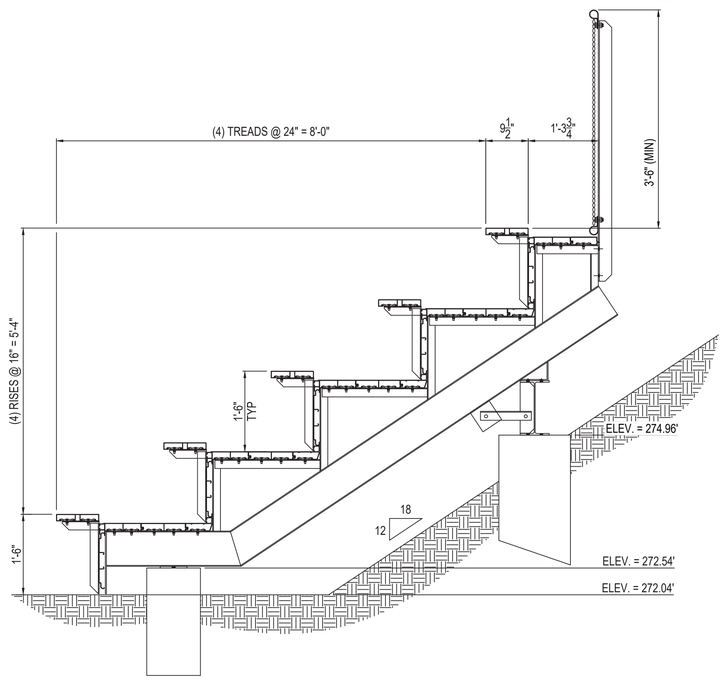
1 VISITOR GRANDSTAND PLAN

Scale: N.T.S.



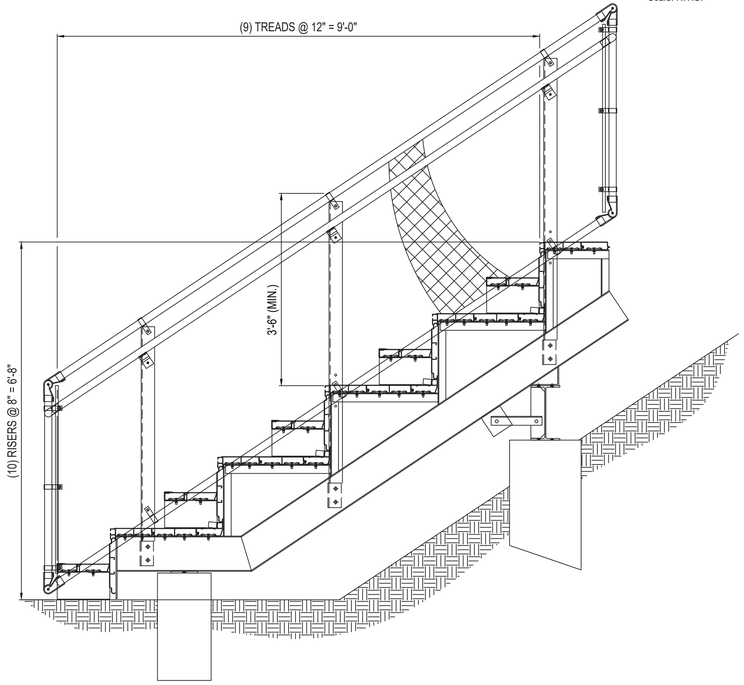
2 VISITOR GRANDSTAND FOOTING LAYOUT

Scale: N.T.S.



3 SECTION THROUGH VISITOR GRANDSTAND

Scale: N.T.S.

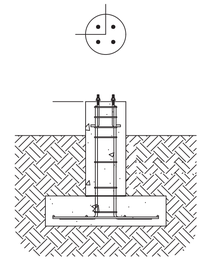


4 VISITOR GRANDSTAND END ELEVATION

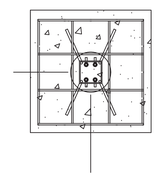
Scale: N.T.S.

ROWS	5	ELEVATION 0"
RISE	16"	RUN 24"
DECK SYSTEM -		CLOSED
DECK FINISH -		SSRD
BENCH SEATING CAPACITY		630
CHAIR SEATING CAPACITY		0
WHEELCHAIR SEATING CAPACITY		7*
COMPANION SEATING CAPACITY		7*
TOTAL SEATING CAPACITY		630

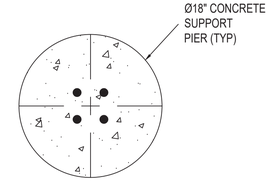
*CODE REQUIRES 7 WHEELCHAIR SPACES AND 7 COMPANION SPACES. FRONT ROW SEATING IS AT GROUND LEVEL. WHEELCHAIR SPACES ARE INTENDED IN FRONT OF BLEACHERS WITH COMPANION SEATING ON FIRST ROW.



ELEVATION VIEW
NTS



PLAN VIEW
NTS



DETAIL B

5 VISITOR GRANDSTAND FOOTING DETAILS

Scale: N.T.S.

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3	01-12-23	SED ADDENDUM 2
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Drawn by	AN
Checked by	RB
Project No.	42051
Scale	AS NOTED
Date	10/25/22

GREENMAN PEDERSEN, INC
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SUITE 202
SUFFERN, NY 10901

Mechanical & Electrical Engineer:

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 202
SUFFERN, NY 10901

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL
PROJECTS – PHASE 1

HIGH SCHOOL: SBL# 50-02-01-06-0-016-005
PRESS BOX (REMO): SBL# 50-02-01-06-7-029-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
FIELDHOUSE: SBL# 50-02-01-06-7-006-001

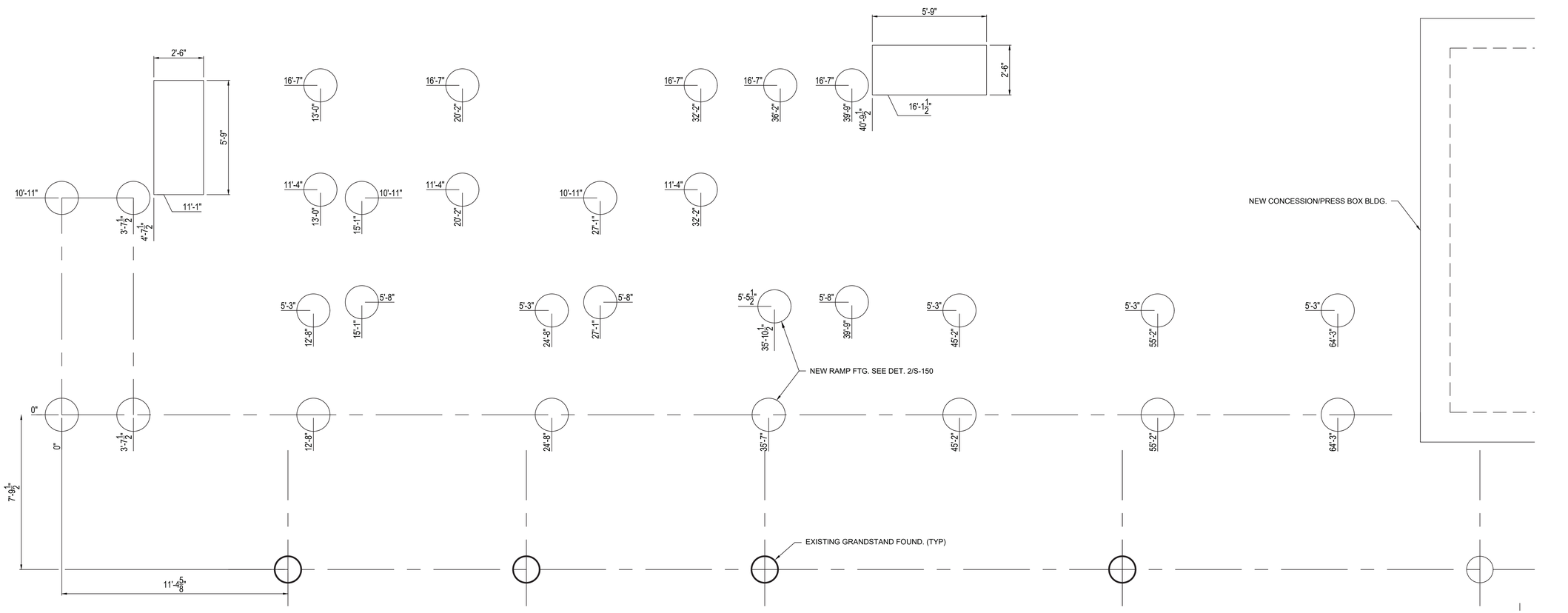
195 Rosmond Rd.
Haverstraw, NY 10927

TOWN OF HAVERSTRAW
ROCKLAND COUNTY, NY

MICHAEL SHILALE ARCHITECTS, L.L.P.
140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

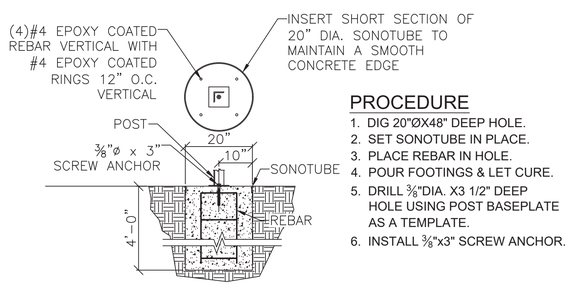
Drawing Title
VISITOR GRANDSTAND

Drawing No.
S-160



1 REAR RAMP FOOTING LAYOUT

Scale: N.T.S.

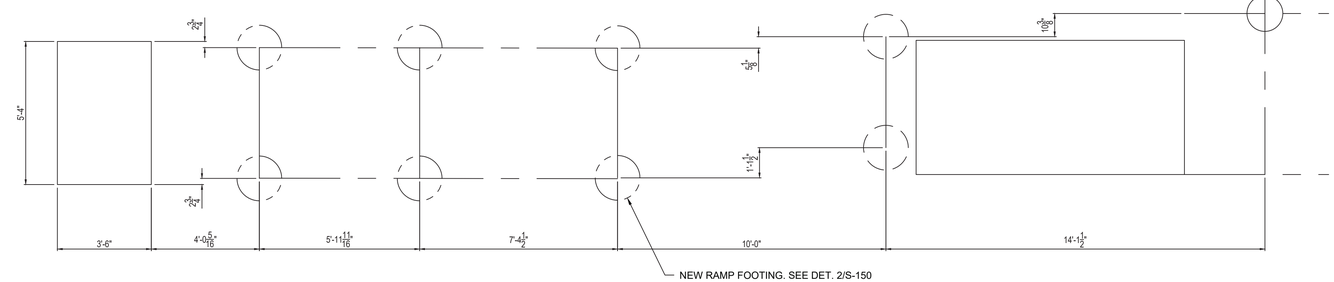


PROCEDURE

1. DIG 20"ØX48" DEEP HOLE.
2. SET SONOTUBE IN PLACE.
3. PLACE REBAR IN HOLE.
4. POUR FOOTINGS & LET CURE.
5. DRILL ⅜"DIA. X3 1/2" DEEP HOLE USING POST BASEPLATE AS A TEMPLATE.
6. INSTALL ⅜"x3" SCREW ANCHOR.

2 RAMP AND STAIR FOOTING DETAIL

Scale: N.T.S.



3 FRONT RAMP FOOTING LAYOUT

Scale: N.T.S.

0 1/2 1
IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
2	12-09-22	SED ADDENDUM 1
1	10-28-22	BIDDING DOCUMENTS

Drawn by AN
Checked by RB
Project No. 42051
Scale AS NOTED
Date 10/25/22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 202
SUFFERN, NY 10901

Mechanical & Electrical Engineer:

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 202
SUFFERN, NY 10901

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL
PROJECTS – PHASE 1

3

HIGH SCHOOL: SBL# 50-02-01-06-0-016-005
PRESS BOX (REAR): SBL# 50-02-01-06-7-039-001
CONCESSIONS-PRESS BOX (NEW): SBL# 50-02-01-06-7-079-001
FIELDHOUSE: SBL# 50-02-01-06-7-006-001

190 Haverstraw Rd.
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TOWN OF RAMAPO
COUNTY OF ROCKLAND

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140 Park Avenue New City, NY 10956 Tel 845-708-9200
www.shilale.com

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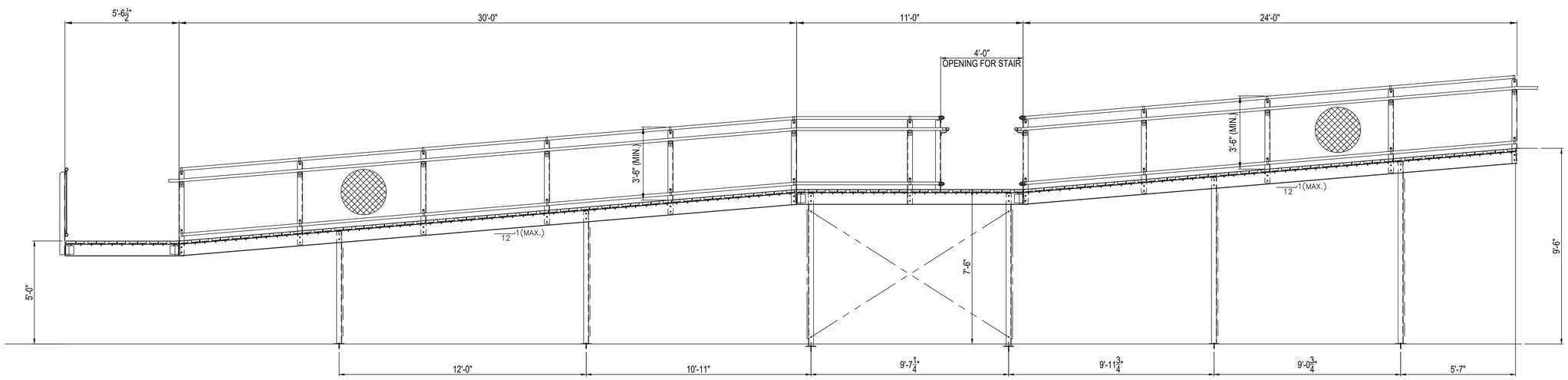
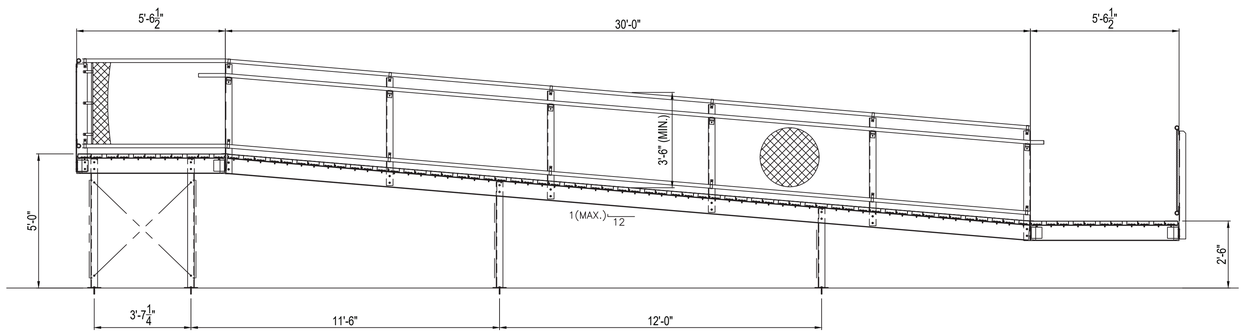
Drawing Title
RAMPS FOOTINGS

Drawing No.
S-150



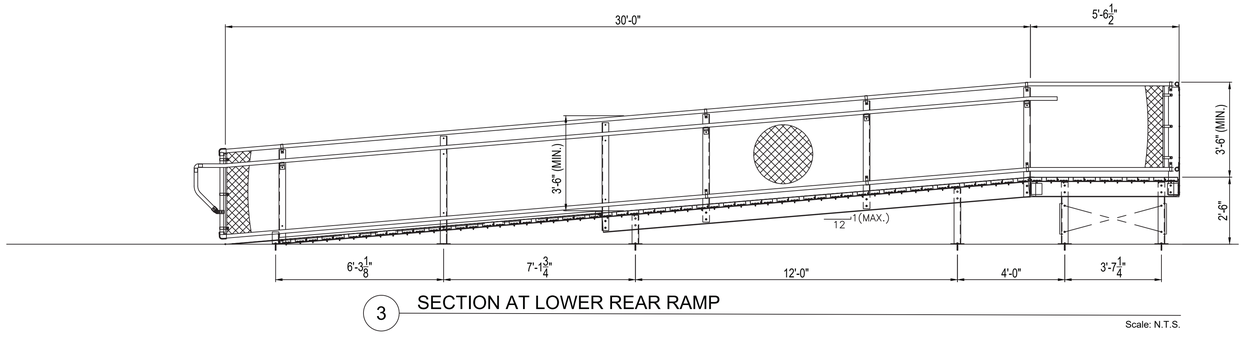
1 SECTION AT UPPER REAR RAMP

Scale: N.T.S.



2 SECTION AT MIDDLE REAR RAMP

Scale: N.T.S.

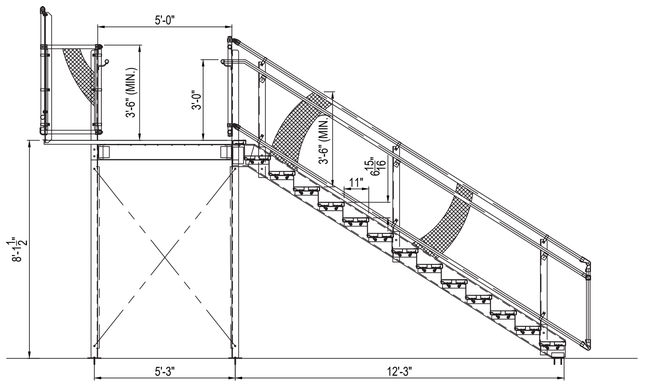


3 SECTION AT LOWER REAR RAMP

Scale: N.T.S.

NOTE:

ALL NEW CONSTRUCTION AND ALTERATIONS TO EXISTING BLEACHER FACILITIES SHALL COMPLY WITH REQUIREMENTS OF IBC 1011, 1012, 1014, 1015, AND APPLICABLE SECTIONS OF ICC 300 (2017).



4 SECTION AT NEW STAIRS

Scale: N.T.S.

1/2" = 1" IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
2	12-09-22	SED ADDENDUM 1
1	10-28-22	BIDDING DOCUMENTS

Drawn by AN
Checked by RB
Project No. 42051
Scale AS NOTED
Date 10/25/22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901

Mechanical & Electrical Engineer:

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL
PROJECTS – PHASE 1

HIGH SCHOOL: SED# 50-02-01-06-0-016-035
PRESS BOX (DEMO): SED# 50-02-01-06-7-028-001
CONCESSIONS-PRESS BOX (NEW): SED# 50-02-01-06-7-070-001
FIELDHOUSE: SED# 50-02-01-06-7-000-001

106 Hammond Rd.
Haverstraw
TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

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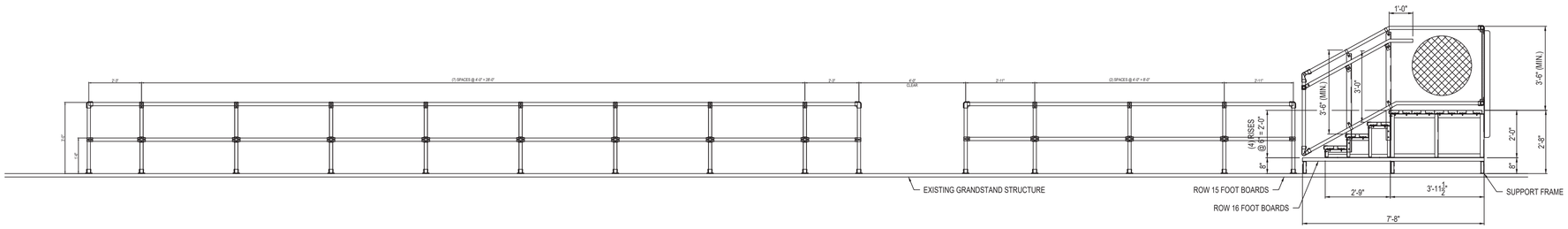
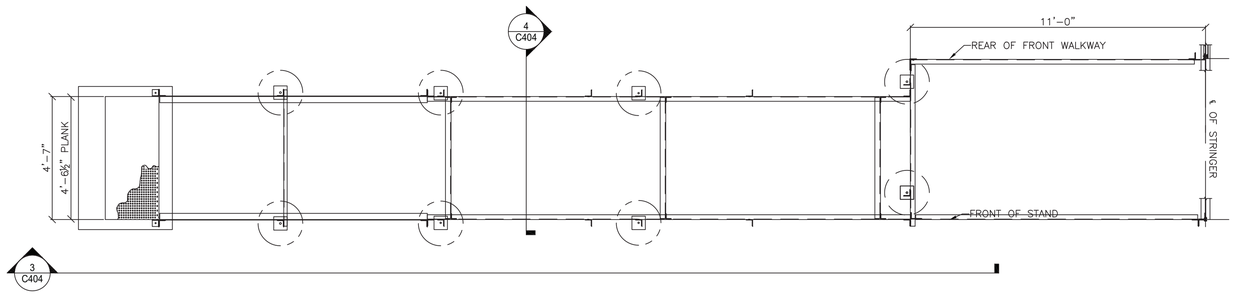
Drawing Title
GRANDSTAND SECTIONS

Drawing No.
S-513



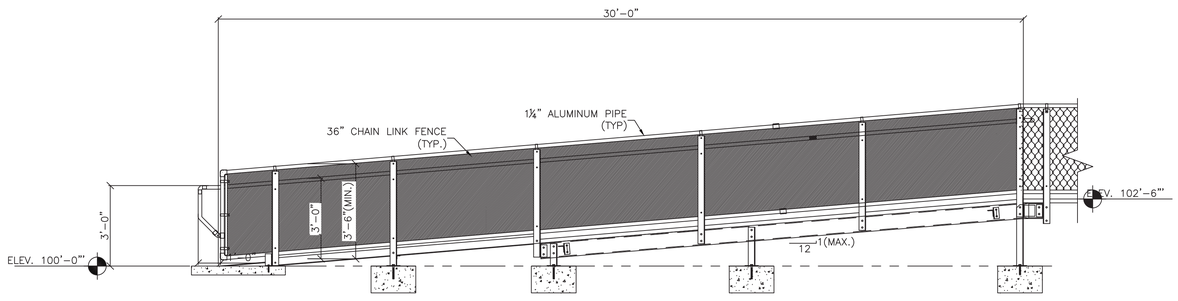
1 UPPER WALKWAY SECTION ELEVATION

Scale: N.T.S.



2 FRONT RAMP PLAN

Scale: N.T.S.

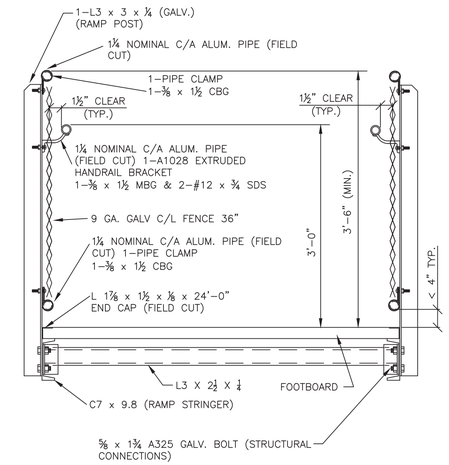


3 FRONT RAMP ELEVATION

Scale: N.T.S.

NOTE:

ALL NEW CONSTRUCTION AND ALTERATIONS TO EXISTING BLEACHER FACILITIES SHALL COMPLY WITH REQUIREMENTS OF IBC 1011, 1012, 1014, 1015, AND APPLICABLE SECTIONS OF ICC 300 (2017).



4 FRONT RAMP CROSS SECTION

Scale: N.T.S.

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1/2 0 1

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No.	Date	Revisions
4	01-27-23	REVISIONS
3	01-12-23	SED ADDENDUM 2
2	12-09-22	SED ADDENDUM 1
1	10-28-22	BIDDING DOCUMENTS

Drawn by AN
Checked by RB
Project No. 42051
Scale AS NOTED
Date 10/25/22

Mechanical & Electrical Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901

Structural Engineer:
GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901

NORTH ROCKLAND HIGH SCHOOL PROJECTS – PHASE 1

3

HIGH SCHOOL: SBD# 50-02-01-06-0-015-005
PRESS BOX (DEMO): SBD# 50-02-01-06-7-028-001
CONCESSIONS/PRESS BOX (NEW): SBD# 50-02-01-06-7-079-001
FIELDHOUSE: SBD# 50-02-01-06-7-030-001

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

106 Hammond Rd.
Pearl River, NY 10965

MICHAEL SHILALE ARCHITECTS, L.L.P.
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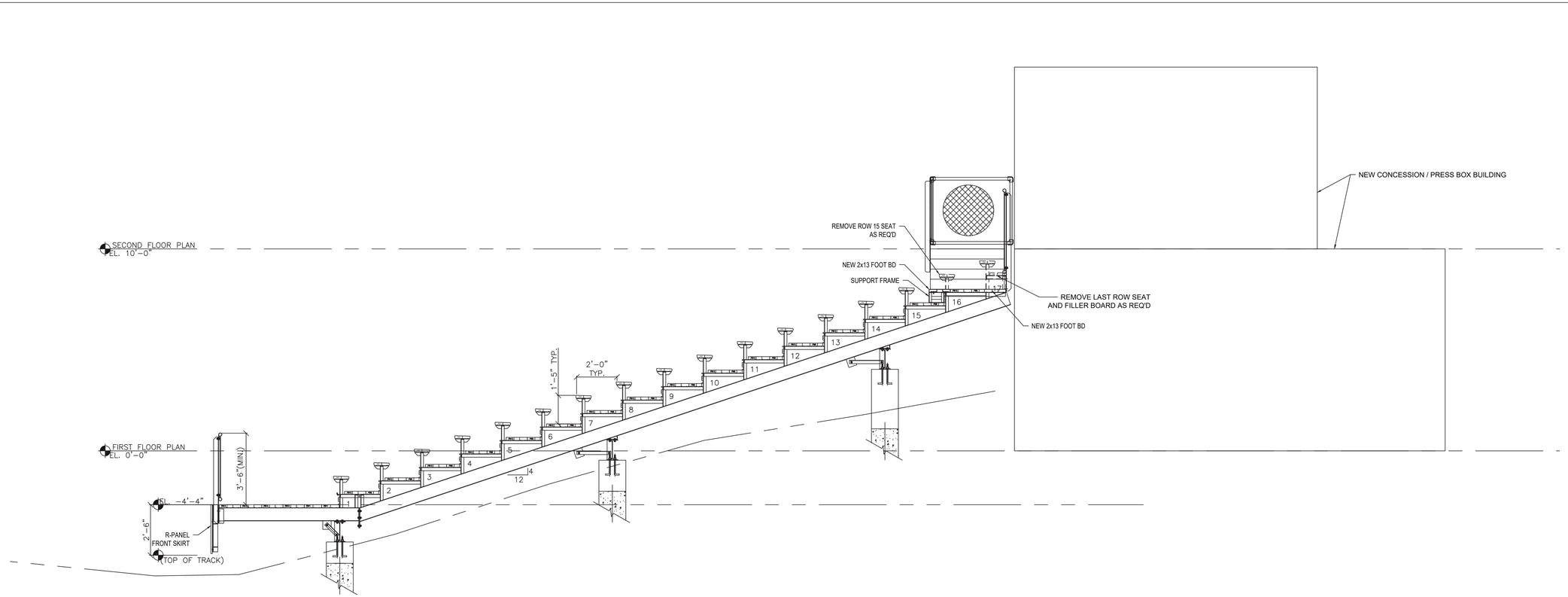
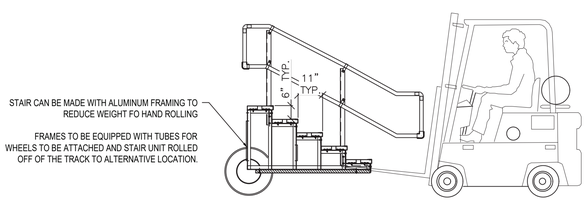
Drawing Title
GRANDSTAND ELEVATIONS

Drawing No.
S-514



1 SECTION AT EXISTING GRANDSTAND

Scale: N.T.S.



2 REMOVABLE STAIRS

Scale: N.T.S.

1/2" 0 1"
IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

No.	Date	Revisions
1	10-28-22	BIDDING DOCUMENTS
2	12-09-22	SED ADDENDUM 1
3	01-12-23	SED ADDENDUM 2
4	01-27-23	REVISIONS

Drawn by AN
Checked by RB
Project No. 42051
Scale AS NOTED
Date 10/25/22

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901

Mechanical & Electrical Engineer:

GREENMAN PEDERSEN, INC
2 EXECUTIVE BOULEVARD
SUITE 302
SUFFERN, NY 10901

Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL
PROJECTS - PHASE 1 (3)

HIGH SCHOOL SBD# 50-02-01-06-0-016-005
PRESS BOX (DEMO): SBD# 04-02-01-06-7-008-001
CONCESSIONS-PRESS BOX (NEW): SBD# 50-02-01-06-7-079-001
FIELDHOUSE SBD# 50-02-01-06-7-006-001

106 Haverstraw Rd.
Suffern, NY 10901

TOWN OF HAVERSTRAW
COUNTY OF ROCKLAND

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Drawing Title
GRANDSTAND SECTION

Drawing No.
S-515