

NRHS RESTROOMS AND SITE IMPROVEMENTS

NORTH ROCKLAND HIGH SCHOOL
SED NO. 50-02-01-06-0-016-033

65 Chapel St
Garnerville, NY 10923

OWNER:
North Rockland Central School District
65 Chapel St
Garnerville, NY 10923

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

PME ENGINEER:
GREENMAN-PEDERSEN, INC.
400 Rella Boulevard
Montebello, NY 10901

MATERIALS LEGEND	
	CONCRETE MASONRY UNIT
	BRICK
	RIGID INSULATION
	CONCRETE
	GRAVEL OR STONE
	EARTH
	EIFS
	ASPHALT PAVING
	SAND/MORTAR/GYPSUM BOARD
	STEEL
	ACT
	ROUGH WOOD
	BRONZE

ABBREVIATIONS	
ACT	ACOUSTICAL CEILING TILE
A.F.F.	ABOVE FINISH FLOOR
ASPH	ASPHALT
BLK	BLOCK
BLK'G	BLOCKING
BUR	BUILT UP ROOFING
CLG	CEILING
CMP	CORRUGATED METAL PIPE
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
HDPE	HIGH DENSITY POLYETHYLENE
HI	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
OP'N'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
S.P.	STARTING POINT
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

DRAWING No.	DRAWING TITLE	DATE
A-000	COVER SHEET	01-03-22
B-100	CODE ANALYSIS	12-16-21
EEB-100	EEB COMPLIANCE DRAWING	12-16-21
C-099	OVERALL SITE DEMOLITION PLAN	12-16-21
C-100	OVERALL SITE PLAN	12-16-21
C-101	ENLARGED SITE PLAN	01-03-22
C-102	ENLARGED SITE PLAN	12-16-21
C-500	SITE DETAILS-CONCRETE AND ASPHALT	12-16-21
C-501	SITE DETAILS-GATES AND FENCING	12-16-21
C-502	SITE DETAILS-SPECIALTIES	12-16-21
C-503	SITE DETAILS-SPECIALTIES	12-16-21
C-503.1	SITE DETAILS-SPECIALTIES	12-16-21
C-504	SITE DETAILS-BASKETBALL COURT	12-16-21
S-101	STRUCTURAL DETAILS	01-03-22
D-100	NRHS TRAINER ROOM DEMO PLAN	12-16-21
A-100	NRHS TRAINER ROOM DETAILS	12-16-21
A-400	REFLECTED CEILING PLAN	12-16-21
A-600	DOOR AND HARDWARE SCHEDULE	12-16-21
A-601	FINISH SCHEDULE AND PARTITION TYPES	12-16-21
A-610	NRHS TRAINER ROOM INTERIOR DETAILS	12-16-21
M-101	MECHANICAL PARTIAL PLAN AND DETAILS	12-16-21
P-001	PLUMBING GENERAL NOTES	12-16-21
P-101	PLUMBING PARTIAL PLANS & RISER DIAGRAMS	12-16-21
P-501	PLUMBING DETAILS	12-16-21
E-001	ELECTRICAL NOTES AND DETAILS	01-03-22
E-101	ELECTRICAL SITE PLAN	01-03-22
E-102	ELECTRICAL BATHROOM PARTIAL PLAN	01-03-22

GENERAL NOTES

- ALL PLAN DIMENSIONS ARE NOMINAL U.O.N. DIMENSIONS TO THE FINISHED FACE OF AN ELEMENT OR WALL WILL BE DESIGNATED WITH AN "F" AS SHOWN
- G.C. TO VERIFY ALL DIMENSIONS IN THE FIELD AND IS TO NOTIFY ARCHITECT IF THERE ARE ANY DISCREPANCIES

ALTERNATES/ALLOWANCES

ALT. NO. 1:
REMOVE 36" CMP AND REPLACE WITH HDPE PIPE FROM SOUTH HEADWALL TO 10' AWAY FROM LINE OF NEW ASPHALT. APPROXIMATELY 220 L.F. OF PIPE, CONTRACTOR TO FIELD VERIFY. REMOVE AND INSTALL 1 CONCRETE HEADWALL. SEE DETAIL 2/C-503.

ALT. NO. 1A:
REPLACE EXISTING HEADWALL FOR ALTERNATE NO. 1.

ALT. NO. 2:
REMOVE 36" CMP AND REPLACE WITH HDPE PIPE FROM NORTH HEADWALL TO 10' AWAY FROM LINE OF NEW ASPHALT. APPROXIMATELY 270 L.F. OF PIPE, CONTRACTOR TO FIELD VERIFY. REMOVE AND INSTALL 1 CONCRETE HEADWALL. SEE DETAIL 2/C-503.

ALT. NO. 2A:
REPLACE EXISTING HEADWALL FOR ALTERNATE NO. 2.

ALT. NO. 3:
ADD SEATING ON NORTH SIDE OF ENTRY.

ALT. NO. 4:
PROVIDE AN AMOUNT FOR CREDIT TO THIS PROJECT IF THE CONTRACTOR IS AWARDED THIS PROJECT IN CONJUNCTION WITH THE PAVILIONS AT NRCS D PROJECT.

ALLOWANCE NO. 1:
\$5,000 FOR TESTING

UNIT PRICES

UNIT PRICE NO. 1:
PROVIDE A PRICE PER SQ YARD FOR 2" ASPHALT. NEW PAVING WHERE NO PAVING PREVIOUSLY EXISTED. SEE DETAIL 9/C-500.

UNIT PRICE NO. 2:
PROVIDE A PRICE PER SQ YARD FOR 2" ASPHALT AND 1-1/2" MILLING OF EXISTING PAVING. SEE DETAIL 12/C-500.

Drawn by JR/MAL	Checked by MS/JC	Project No. 41063	Scale AS NOTED	Date 04-07-21
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Mechanical & Electrical Engineer:	Structural Engineer:
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NORTH ROCKLAND HS RESTROOM AND SITE IMPROVEMENTS

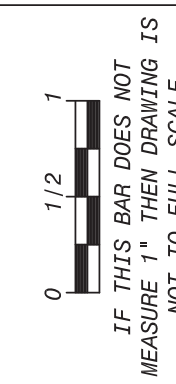
SED# 50-02-01-06-0-016-033

AS. CULTURE, NY 10923

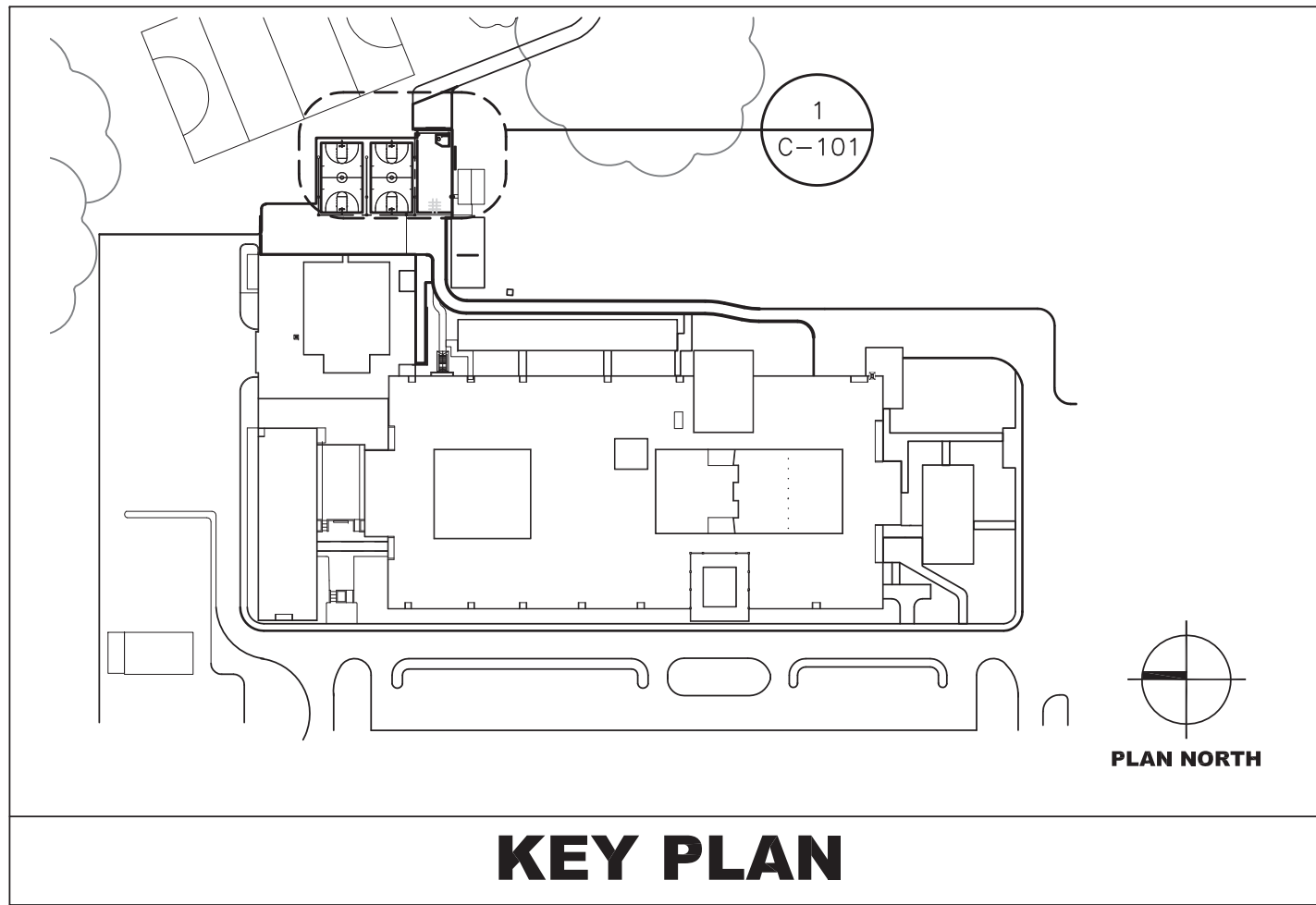
MICHAEL SHILA ARCHITECTS, LLP
 140 Park Avenue New City, NY 10956 | Tel 845-706-3000
 www.mshila.com

COVER SHEET	A-000
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 Drawing Title



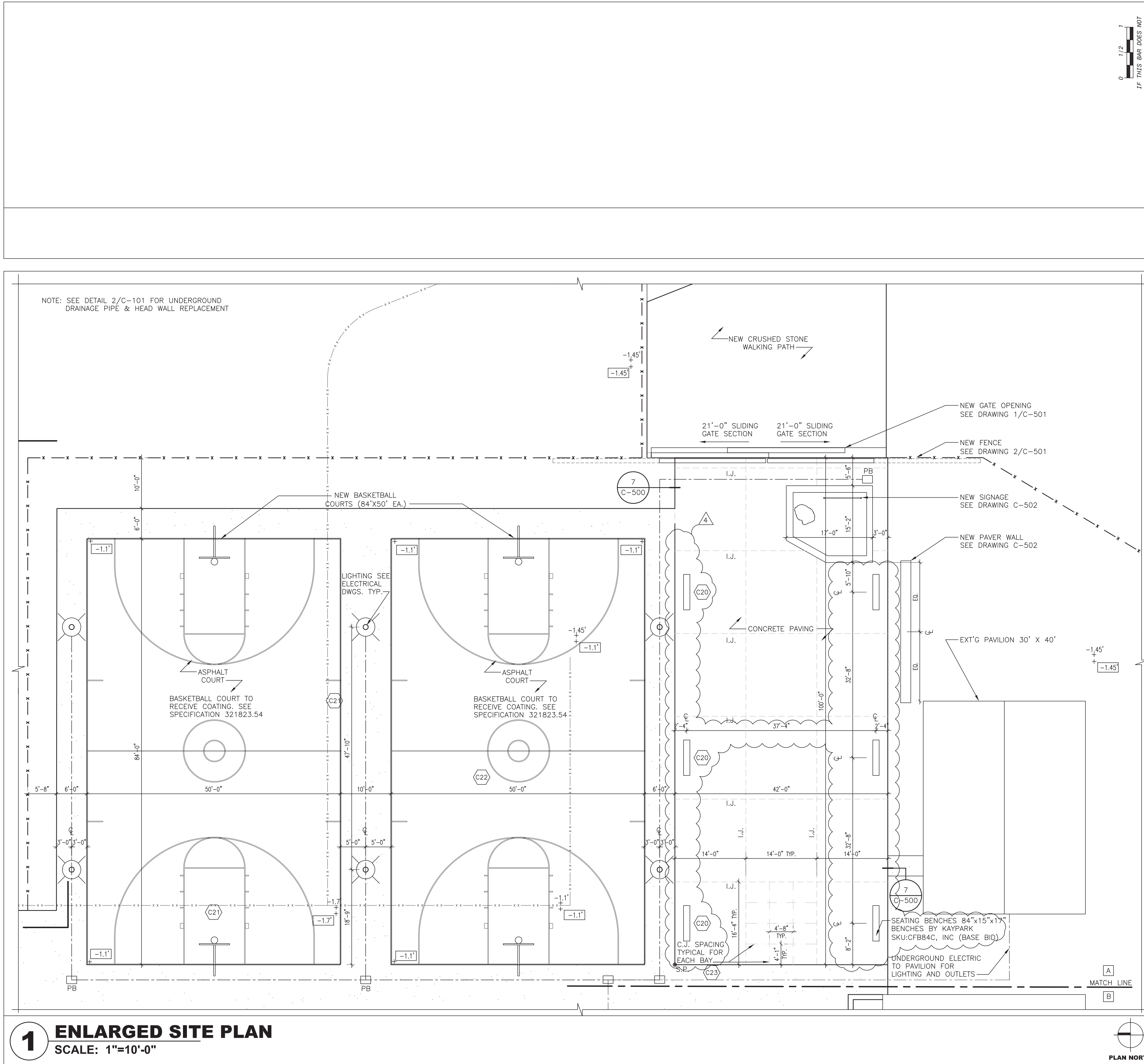
GENERAL NOTES

- (C1) REMOVE EXISTING CHAIN LINK FENCE INCLUDING CONCRETE BASES. INSTALL NEW CHAIN LINK FENCE.
- (C2) MILL EXISTING ASPHALT 1-1/2" INSTALL NEW ASPHALT OVER EXISTING ASPHALT AREA. SEE DETAILS ON DRAWING C-500.
- (C3) EXISTING ENTRANCE TO GRAVEL PATH TO BE RELOCATED. REMOVE EXISTING GRAVEL AND ADD TOPSOIL, RAKE, HAY AND RESEED.
- (C4) NEW ENTRANCE TO GRAVEL PATH. REMOVE EXISTING GRASS AND PROVIDE GRAVEL BED.
- (C20) INSTALL STONE SEATING ALONG NORTH SIDE OF CONCRETE PLAZA AS PER ALTERNATE NO. 3.
- (C21) REMOVE EXISTING CONCRETE CURB AND INSTALL NEW CONCRETE CURB. SEE DETAIL 8/C-500.
- (C22) REMOVE EXISTING PAVER WALL. EXISTING BRICKS TO BE SAVED FOR REINSTALLATION.
- (C23) CONTRACTOR SHALL SET STARTING POINT FROM DIMENSIONS FROM EXISTING BUILDING CORNER. SET STAKES FOR ALL PAVEMENT CORNERS. SCHEDULE MEETING FOR OWNER & ARCHITECT REVIEW AND APPROVAL.
- (C30) WIDEN EXISTING DRIVEWAY AS NOTED ON 1/C-102. REMOVE EXISTING CURB AND ASPHALT AS REQUIRED FOR NEW CURBS AND ASPHALT. RAKE, SEED AND HAY ADJACENT GROUND.
- (C31) RELOCATE EXISTING BLEACHERS FOR CONSTRUCTION. REPLACE UPON COMPLETION OF CONSTRUCTION.
- (C32) INSTALL NEW 6" CONCRETE WALKWAY.

REPAIR NOTES

- NEW LIGHT POST ON 12" SONOTUBE
- NEW SEATING
- NEW BASKETBALL HOOP
- NEW UNDERGROUND ELECTRIC
- NEW FENCE
- NEW 12" DIA. HDPE PIPE
- EXISTING FENCE TO REMAIN
- EXISTING FENCE TO BE REMOVED
- NEW CATCH BASIN
- EXISTING CATCH BASIN
- EXISTING SHUT OFF VALVES
- NEW ASPHALT PAVING
- S.P. STARTING POINT
- PB BURIED ELECTRICAL PULL BOX LOCKABLE COVER FLUSH WITH GRADE TRAFFIC RATED
- 0.0' EXISTING TOPOGRAPHY ELEVATION
- +0.0' NEW TOPOGRAPHY ELEVATION
- I.J. I.J. SPACING TYPICAL. SEE DETAIL 4/C-501
- C.J. C.J. SPACING TYPICAL FOR EACH BAY. SEE DETAIL 6/C-500

LEGEND



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

No.	Date	Revisions
4	01-03-22	ADDENDUM 1
3	12-16-21	ISSUED FOR BID
1	09-22-21	BIDDING DOCUMENTS

Drawn by	JR
Checked by	MS/JC
Project No.	41063
Scale	AS NOTED
Date	05-20-21

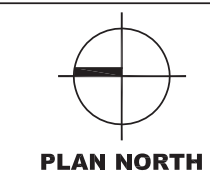
Mechanical & Electrical Engineer:	
Structural Engineer:	

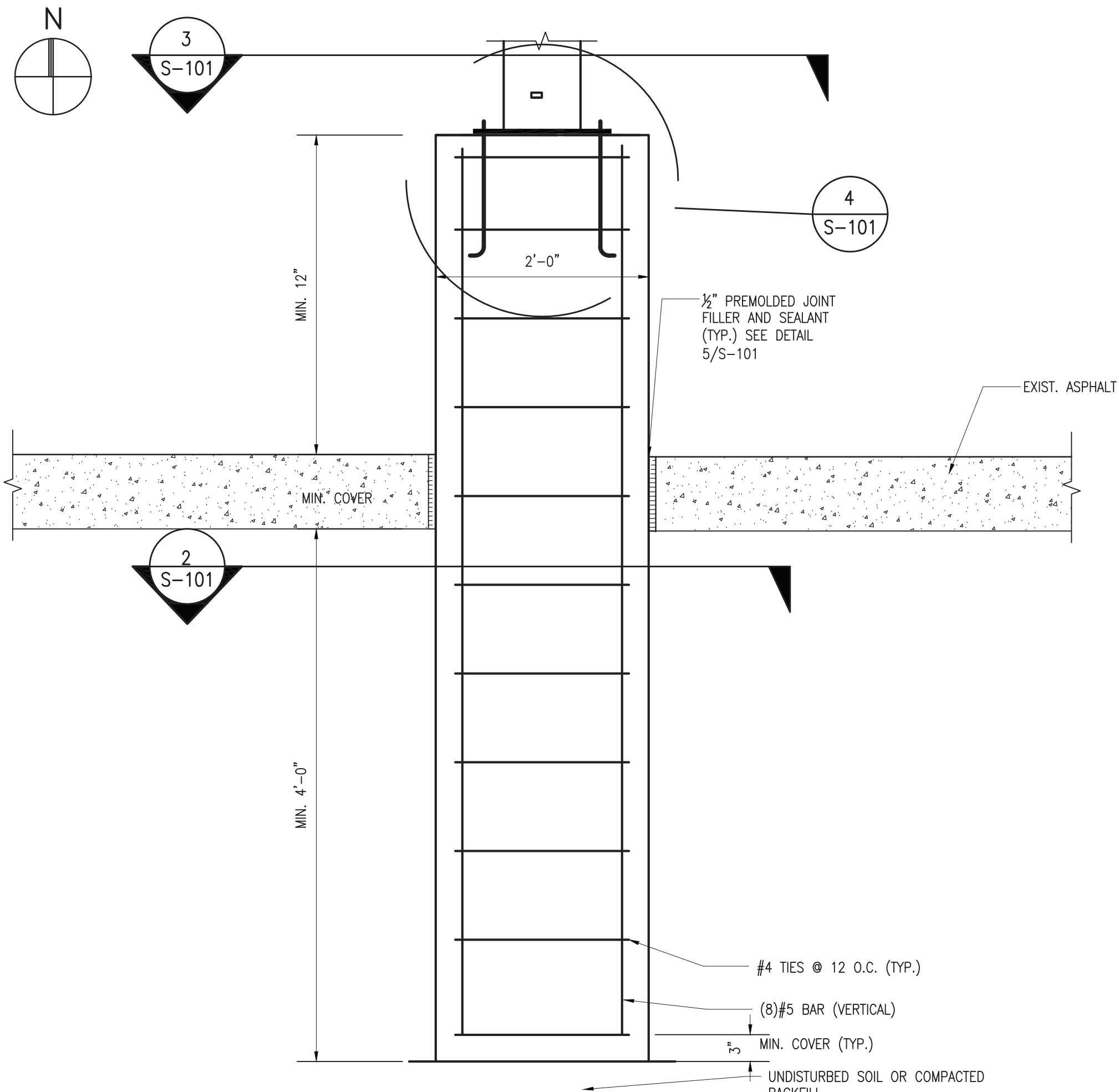
NORTH ROCKLAND HS RESTROOM AND SITE IMPROVEMENTS
SED# 50-02-01-06-0-016-033
65 CHAPEL ST. GARBRIELE, NY 10923
TOWN OF GARBRIELE COUNTY OF ROCKLAND



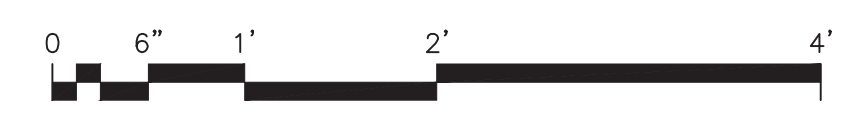
ENLARGED SITE PLAN
Drawing No. **C-101**

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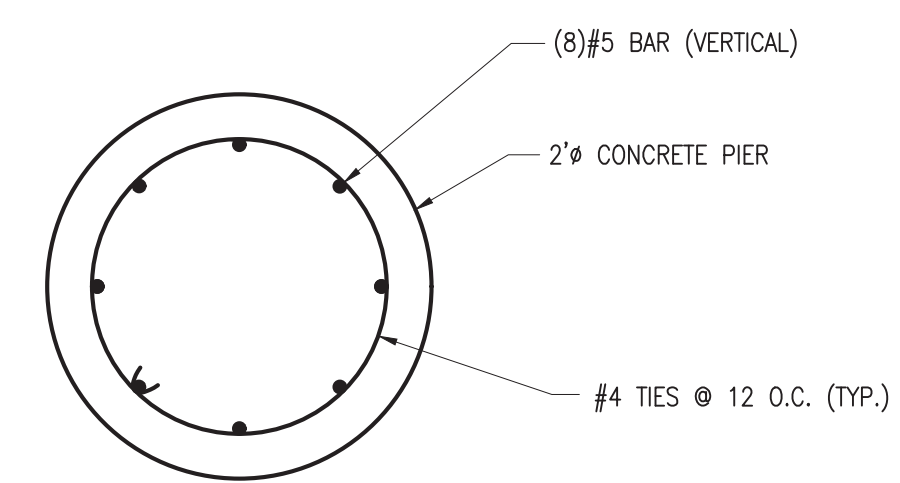




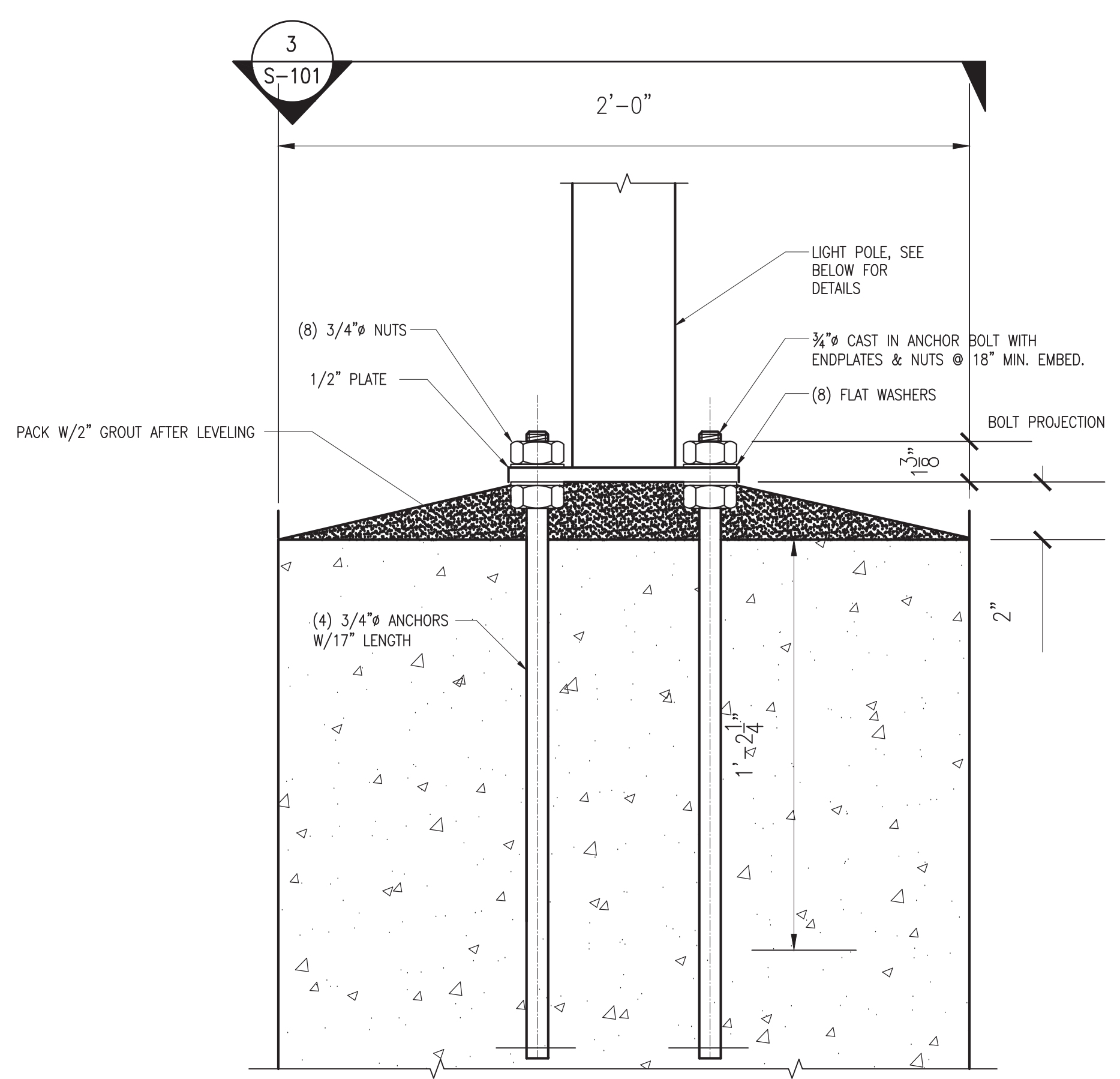
1 CONCRETE PIER EVALUATION
SCALE: 1" = 1'-0"



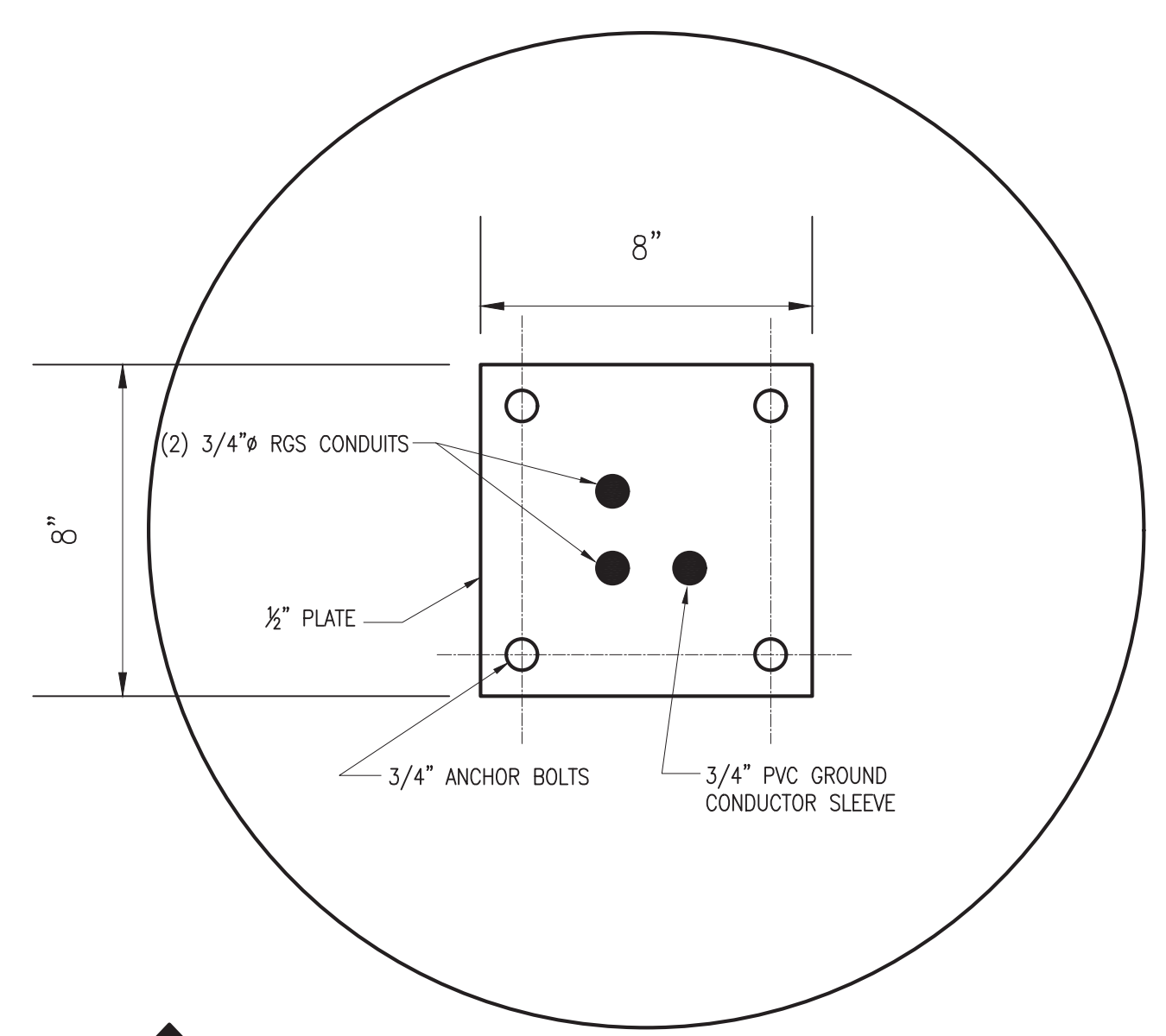
- NOTES:
- CONTRACTOR SHALL USE MIN. 4000 COMPRESSIVE STRENGTH CONCRETE
 - CONTRACTOR SHALL VERIFY THAT AREA OF WORK IS CLEAR OF UNDERGROUND UTILITIES AND OBSTACLES PRIOR TO START OF EXCAVATION
 - REBAR SHALL BE MINIMUM 60 KSI BILLET STEEL AS PER ASTM 615.
 - CONTRACTOR SHALL COORDINATE ANCHOR, BEARING PLATE, AND CONDUIT SIZES WITH MANUFACTURER AND ELECTRICAL CONTRACTOR. REFER TO ELECTRICAL DRAWINGS FOR CONDUIT ROUTING AND SIZING DETAILS.
 - SEE LIGHT FIXTURE SCHEDULE ON DRAWING E-101 FOR MORE INFO.



2 CONCRETE PIER DETAIL
SCALE: 1" = 1'-0"



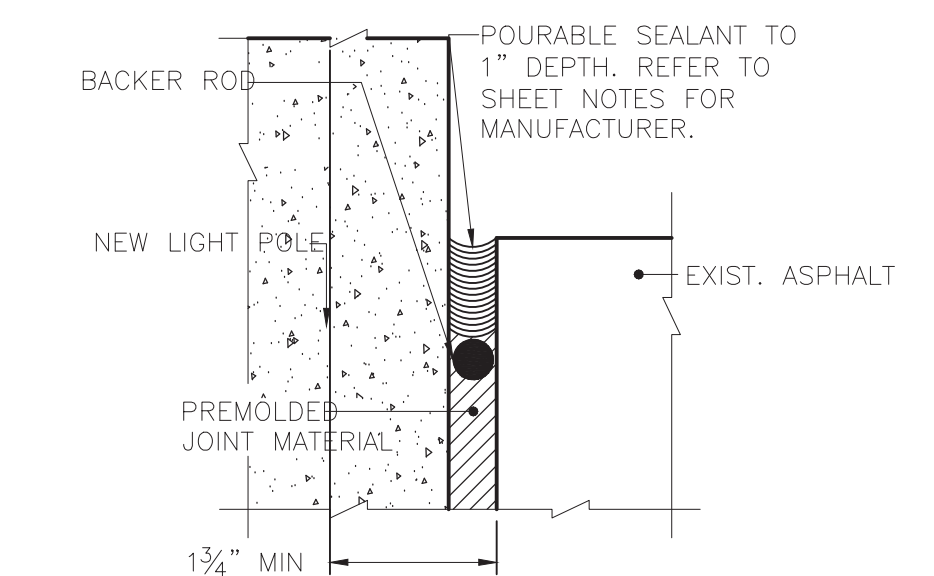
4 ANCHOR BOLT DETAIL 2
SCALE: 3" = 1'-0"



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



- NOTES:
- BASEPLATE ITEMS COME WITH LIGHTPOLE KIT. CONTRACTOR SHALL VERIFY DIMENSIONS OF LIGHT POLE BASEPLATE WITH ELECTRICAL CONTRACTOR PRIOR TO START OF CONSTRUCTION.



5 JOINT DETAIL
SCALE: NTS

No.	Date	Revisions
4	01-03-22	ADDENDUM 1
3	12-16-21	ISSUED FOR BID
2	11-19-21	ADDENDUM 1
1	9-22-21	BIDDING DOCUMENTS

Drawn by	WM
Checked by	SH
Project No.	41063
Scale	AS NOTED
Date	04-07-21

GREENMAN PEDERSEN, INC. MONTEBELLO, NY 10801	
Mechanical & Electrical Engineer:	
Structural Engineer:	

NORTH ROCKLAND HS RESTROOM AND SITE IMPROVEMENTS
SED # 50-02-01-06-0-016-033
85 Church Street
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Drawing Title
STRUCTURAL DETAILS
Drawing No.
S-101

GENERAL NOTES

- THE CONTRACTOR SHALL BE HELD TO HAVE VISITED THE PREMISES AND TO HAVE COMPARED THEIR OBSERVATIONS WITH THE DRAWINGS AND SPECIFICATIONS, AND TO HAVE VERIFIED THE EXISTING CONDITIONS THROUGHOUT THE BUILDING. LATER CLAIMS MADE BY THE CONTRACTOR FOR HAVING INCURRED EXTRA COSTS SHALL NOT BE CONSIDERED WITHOUT FIRST SECURING SUFFICIENT PROOF IN SUPPORT OF EVIDENCE OF SUCH EXTRA CLAIMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AREAS WHERE INSUFFICIENT INFORMATION IS AVAILABLE, OR WHERE IT CAN BE DOCUMENTED WITH PHOTOS, AND OTHER SUPPORTING INFORMATION THAT SUCH EVIDENCE WAS BEYOND THE MEANS OF THE CONTRACTOR AS JUDGED BY THE OWNER. FINAL JUDGMENT FOR SUCH CLAIMS SHALL BE BY THE OWNER.
- VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD, AND BE RESPONSIBLE FOR THE SAME PRIOR TO COMMENCING WORK. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER, THE ARCHITECT AND THE ENGINEER ON RECORD.
- ALL ELECTRICAL WORK SHALL ADHERE TO THE 2017 NATIONAL ELECTRICAL CODE AND THE NEW YORK STATE BUILDING CODES, 2020 AND NEW YORK ENERGY CODE 2020.
- ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE AND MOST RECENT EDITION OF THE STATE AND LOCAL CODES AND SHALL MEET THE REQUIREMENTS OF ALL OTHER AUTHORITIES, ORGANIZATIONS AND GOVERNMENT AGENCIES HAVING JURISDICTION.
- THE WORK OF THIS CONTRACT IS TO BE PERFORMED WITH A HIGH LEVEL OF QUALITY. WORK WHICH IS, IN THE OPINION OF DESIGNATED REPRESENTATIVE NOT IN COMPLIANCE WITH THE HIGHEST RECOGNIZED INDUSTRY STANDARD FOR WORKMANSHIP OR WORK WHICH HAS BEEN DAMAGED BY FACILITY WORKMANSHIP, WILL BE REMOVED AND REPLACED, OR REPAIRED TO THE SATISFACTION OF THE OWNER.
- PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY TO COMPLETE THE WORK DESCRIBED HEREIN AND/OR AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR THE PROPER CONSTRUCTION SHALL BE INCLUDED AS IF THEY WERE ON THE DRAWINGS.
- THE LOCATIONS SHOWN ON THE DRAWINGS INDICATE INTENT AND SHALL BE VERIFIED IN THE FIELD.
- ALL HOLES MADE BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE PROPERLY PATCHED AND REPAIRED. ALL CONDUIT PENETRATIONS THROUGH FLOORS AND WALLS SHALL BE SEALED.
- THE CONTRACTOR SHALL DO ALL CUTTING, PATCHING AND REPAIRING AS REQUIRED TO PERFORM ALL WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.
- THE CONTRACTOR SHALL PROVIDE ALL PHYSICAL PROTECTION REQUIRED TO PROTECT ALL EQUIPMENT DURING CONSTRUCTION.
- WHERE CONDUIT ROUTING HAS NOT BEEN SHOWN ON THE DRAWINGS, THE ROUTING OF POWER BRANCH CIRCUITS WILL BE AT THE CONTRACTOR'S DISCRETION AND THE OWNER APPROVAL IN ACCORDANCE WITH CODES AND SPECIFICATIONS.
- CONDUIT ROUTING AS SHOWN IN CONTRACT DRAWINGS ARE TENTATIVE, ACTUAL ROUTING SHALL BE DETERMINED BASED ON FIELD CONDITIONS.

INSTALLATION NOTES

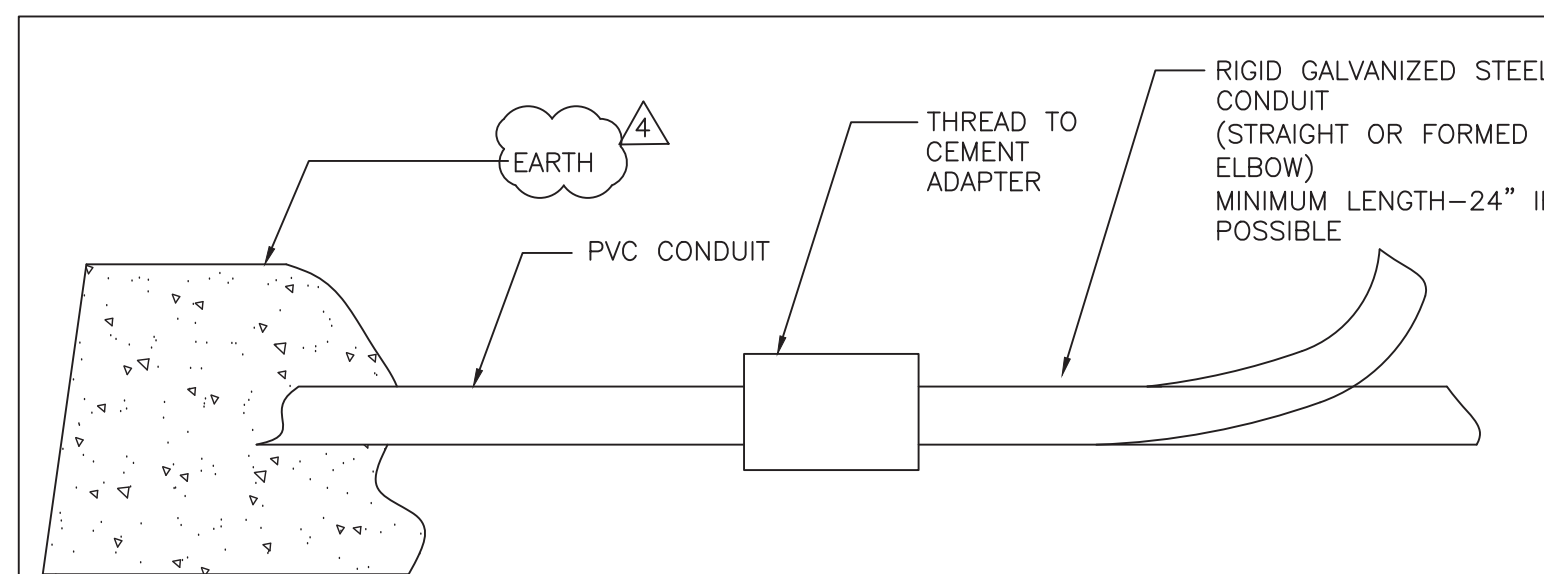
- CONTRACTOR SHALL PERMANENTLY FASTEN ALL THE EQUIPMENT AS INDICATED ON THE DRAWINGS IN AN APPROVED MANNER, WITH ALL NECESSARY HARDWARE.
- CONTRACTOR SHALL PROVIDE ALL CONDUITS, WIRING, OUTLET BOXES AND ALL ACCESSORIES NECESSARY TO COMPLETE THE WIRING TO ALL COMPONENTS OF THE SYSTEM. ALL CONNECTIONS SHALL BE MADE COMPLETE AND TESTED.

ELECTRICAL DEMOLITION NOTES APPLICABLE FOR NORTH ROCKLAND HIGH SCHOOL ONLY:

- THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK WHICH INTERFERES WITH THE NEW ARCHITECTURAL AND ELECTRICAL LAYOUTS IN FULL COORDINATION WITH THE ARCHITECT'S DEMOLITION PLANS. ALL SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE DE-ENERGIZED AND DISCONNECTED AT THE SOURCE OF POWER SUPPLY.
- THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING ELECTRICAL SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
- DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
- THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL OUTLETS, LIGHT FIXTURES, SWITCHES AND OTHER DEVICES, COMPLETE WITH ASSOCIATED WIRING, CONDUITS, ETC. BACK TO SOURCE. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING WIRING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL JUNCTION BOXES AND OTHER DEVICES AND PROVIDE BYPASS CONNECTIONS NECESSARY TO MAKE CIRCUITS AFFECTED CONTINUOUS AND READY FOR OPERATION. OTHERWISE, WIRING SHALL BE REMOVED BACK TO THE NEAREST ELECTRICAL JUNCTION BOX THAT IS TO REMAIN OR TO PANELBOARD.
- ALL RACEWAYS WHICH BECOME EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
- EXISTING PANEL DIRECTORIES AFFECTED BY THE ALTERATION WORK SHALL BE MODIFIED TO REFLECT THE BRANCH CIRCUIT WIRING CHANGES.
- THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS. THE CONTRACTOR SHALL FOLLOW CLOSELY THE ARCHITECT'S DEMOLITION AND PHASING SCHEDULE AND PROCEED IN THE SPECIFIED SEQUENCE.
- ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
- IF REQUIRED, THE SHUTDOWN OF EXISTING BUILDING ELECTRICAL SERVICES SHALL BE COORDINATED WITH THE OWNER. MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO A SHUTDOWN.

ABBREVIATIONS

A	AMPERE	LP	120/208V PANEL
AC	ALTERNATING CURRENT	LS	LOUDSPEAKER
ACS	ADMINISTRATIVE CONTROL STATION	LTG	LIGHTING
ADA	AMERICANS WITH DISABILITIES ACT	MTV	MASTER TELEVISION
AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
ARCH	ARCHITECTURAL	MECH	MECHANICAL
ATS	AUTOMATIC TRANSFER SWITCH	MER	MECHANICAL EQUIPMENT ROOM
A/C	AIR CONDITIONING	MIC	MICROPHONE
C	CONDUIT	MTD	MOUNTED
CAB	CABINET	N	NEUTRAL
CLG	CEILING	N.C.	NORMALLY CLOSED
CB	CIRCUIT BREAKER	N.O.	NORMALLY OPEN
CKT(S)	CIRCUIT(S)	O & R	ORANGE AND ROCKLAND
COL	COLUMN	P	POLE(S)
CONG	CONCRETE	PB	PULL BOX
EC	ELECTRICAL CONTRACTOR	PNL	PANEL
ELEC	ELECTRIC	PP	277/480V PANEL
EMR	ELEVATOR MECHANICAL ROOM	RC	REMOTE CONTROL
EMT	ELECTRIC METALLIC TUBING	SP	SPARE
EXH	EXHAUST	SSB	SOLID STATE BALLAST
EXIST	EXISTING	STD	STANDARD
FATB	FIRE ALARM TERMINAL BOX	SW	SWITCH
FL	FLOOR	SWBD	SWITCHBOARD
GRD	GROUND	TEL	TELEPHONE
GFCI	GROUND FAULT INTERRUPTER	TV	TELEVISION
GRC	GALVANIZED RIGID CONDUIT	TYP	TYPICAL
IG	ISOLATED GROUND	V	VOLT
JB	JUNCTION BOX	W	WATT
KVA	KILOVOLT AMPERE	WP	WEATHERPROOF
KW	KILOWATT		



3 BURIED CONDUIT TRANSITION
SCALE: NTS

POWER SYMBOLS

S ₃	SINGLE POLE SWITCH
	o = CONTROLS SWITCH LEG 'o'
	MO = MOMENTARY CONTACT M = DISCONNECT SWITCH - TOGGLE TYPE MOTOR RATED, 20A, 1P, UON
GFI WP	NEMA 5-20R, 20A, 125V DEDICATED DUPLEX RECEPTACLE - FLUSH WALL MOUNTED. GFI INDICATES GROUND FAULT INTERRUPTER. SUBSCRIPT "WP" INDICATES WEATHER PROOF.
U	CEILING MOUNTED JUNCTION BOX
U-1	FLUSH WALL MOUNTED JUNCTION BOX
GFI WP	NEMA 5-20R, 20A, 125V ISOLATED GROUND DUPLEX RECEPTACLE - POST MOUNTED. GFI INDICATES GROUND FAULT INTERRUPTER. SUBSCRIPT "WP" INDICATES WEATHER PROOF.
RP-#	"RP" INDICATES PANEL NAME AND "#" INDICATES THE CIRCUIT NUMBER

LIGHTING

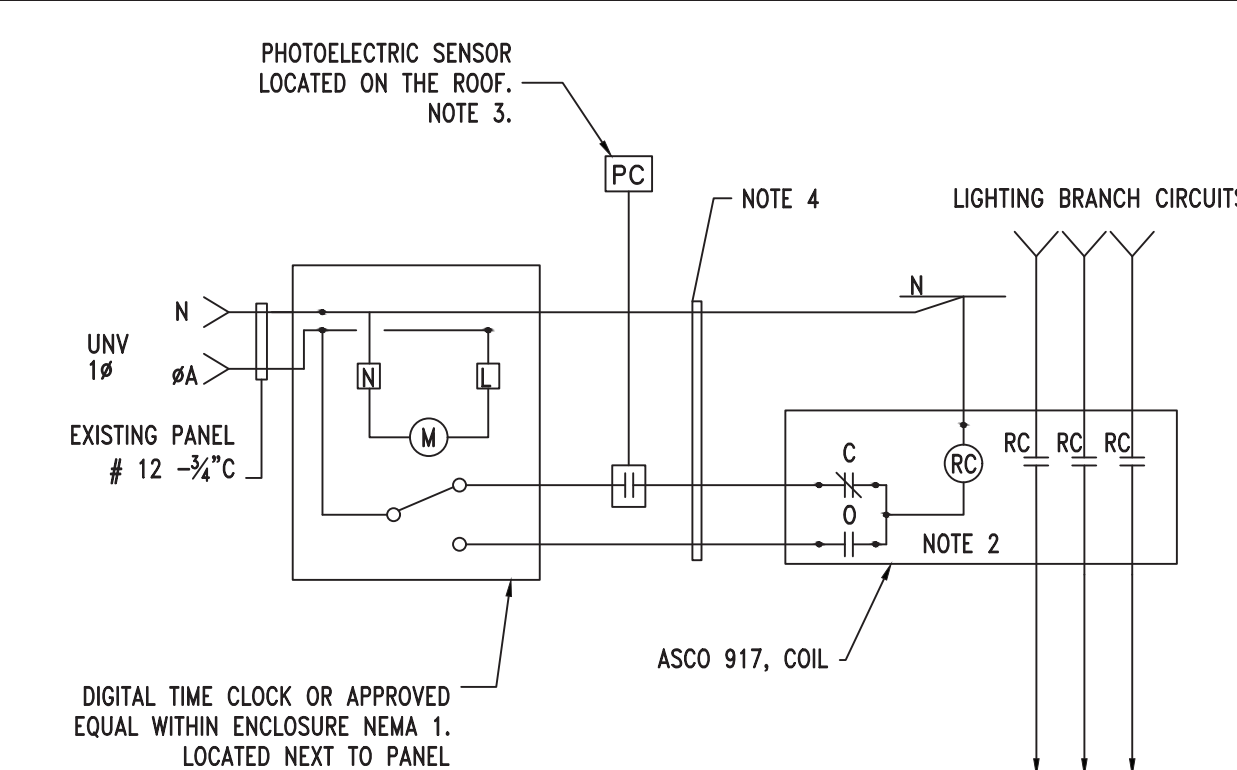
A	2'X2' CEILING RECESSED MOUNTED LED LIGHT FIXTURES. HATCHES INDICATE THE FIXTURE IS CONNECTED TO EMERGENCY CIRCUIT. REFER TO EXISTING LIGHTING FIXTURE SCHEDULE FOR ACTUAL MODEL NO. OF THE FIXTURES. 'A' = FIXTURE TYPE 'o' = CONTROLLED BY CIRCUIT NUMBER
S _{VS}	WALL MOUNTED LINE VOLTAGE VACANCY SENSOR SWITCH. LETTER DENOTES LIGHTING ZONE DESIGNATION. "VS" ONLY DENOTES ACUITY BRANDS: WSX-PDT-X.
▽	SINGLE DATA OUTLET RJ45 WITH 3/4" CONDUIT WITH 4 PAIR CAT6 (23AWG) WIRE BACK TO TELECOM ROOM.
C	1'X4' ALCON LIGHTING 11450 ARCHITECTURAL LED POST LIGHT FIXTURE CLEAR LENS, 5000K, WITH 15' POLE
B	2X2 RECESSED LED CLEAR APPEAL LIGHT FIXTURE WITH LENS DAY-BRIGHT # 2-CAX-G-30L-840-2-DS-UNV-DIM-F1-WL

FIRE ALARM SYMBOLS

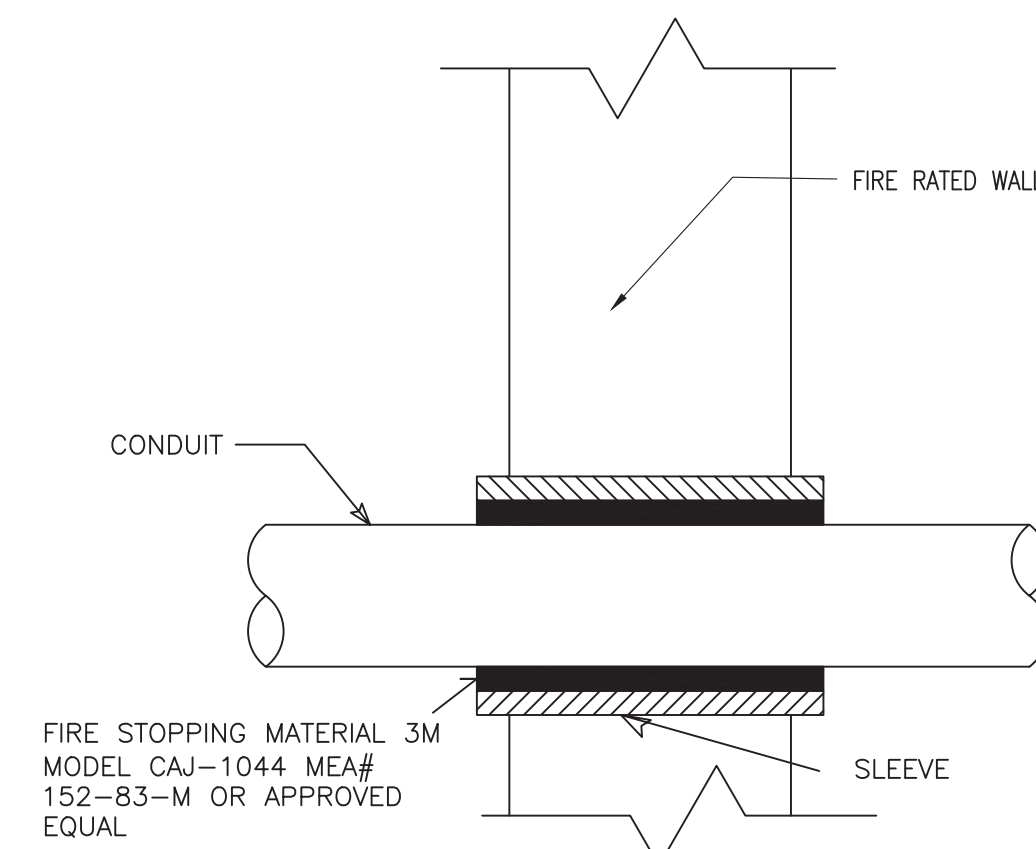
WP	FIRE SIGNAL STROBE. SUBSCRIPT "WP" DENOTES WITH WEATHERPROOF
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NOTES:

- REFER TO LIGHTING FLOOR PLANS FOR LIGHTING LOCATION.
- PROVIDE ASCO 917 CONTACTOR IN A SEPARATE ENCLOSURE WITH ACCESSORIES AS REQUIRED FOR PROPER DIGITAL TIME CLOCK/PHOTOCELL OPERATION.
- PHOTOCELL SHALL BE ROOF MOUNTED AND POINTED TOWARDS THE NORTH SIDE ADJACENT TO THE PARAPET. LOCATION SHALL BE DECIDED PER FIELD CONDITION SO THAT IT WILL BE UNOBSTRUCTED FROM ACCESS OF AMBIENT LIGHT.
- PROVIDE ALL REQUIRED INTERCONNECTING WIRING AS PER MANUFACTURER'S INSTRUCTIONS.
- THE DIGITAL TIME CLOCK SHALL BE PROVIDED WITH DAY LIGHT SAVINGS AND YEARLY SCHEDULING FEATURES.

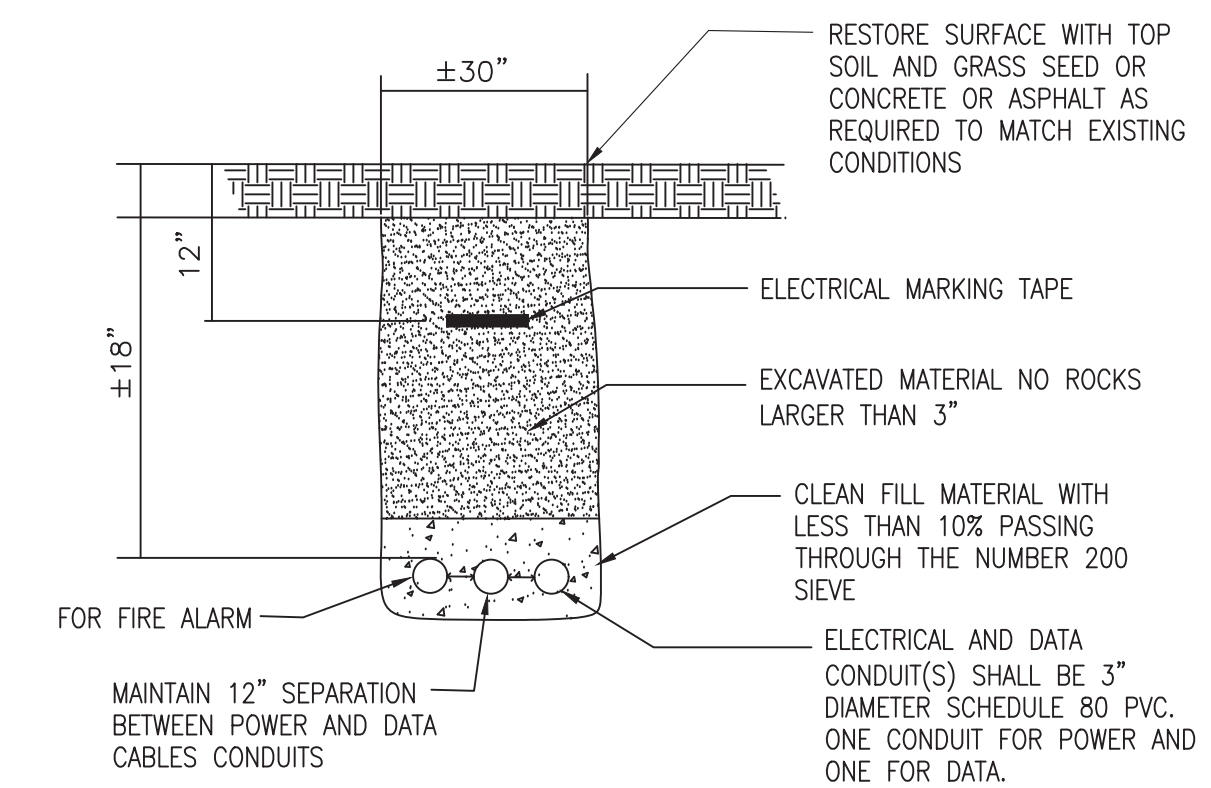


4 EXTERIOR LIGHTING CONTROL
SCALE: NTS



- USE WHERE CONDUITS PASS THRU FIRE RATED WALL.
- WHERE CONDUITS PASS THRU FOUNDATION WALLS, FLOOR SLAB ON EARTH, ROOF, CONCRETE, BEAM, BRICK WALL, OR WATER PROOF FLOORS, USE PIPE SLEEVES AND LINK SEAM WHEN PASSING THRU FOUNDATION WALLS.

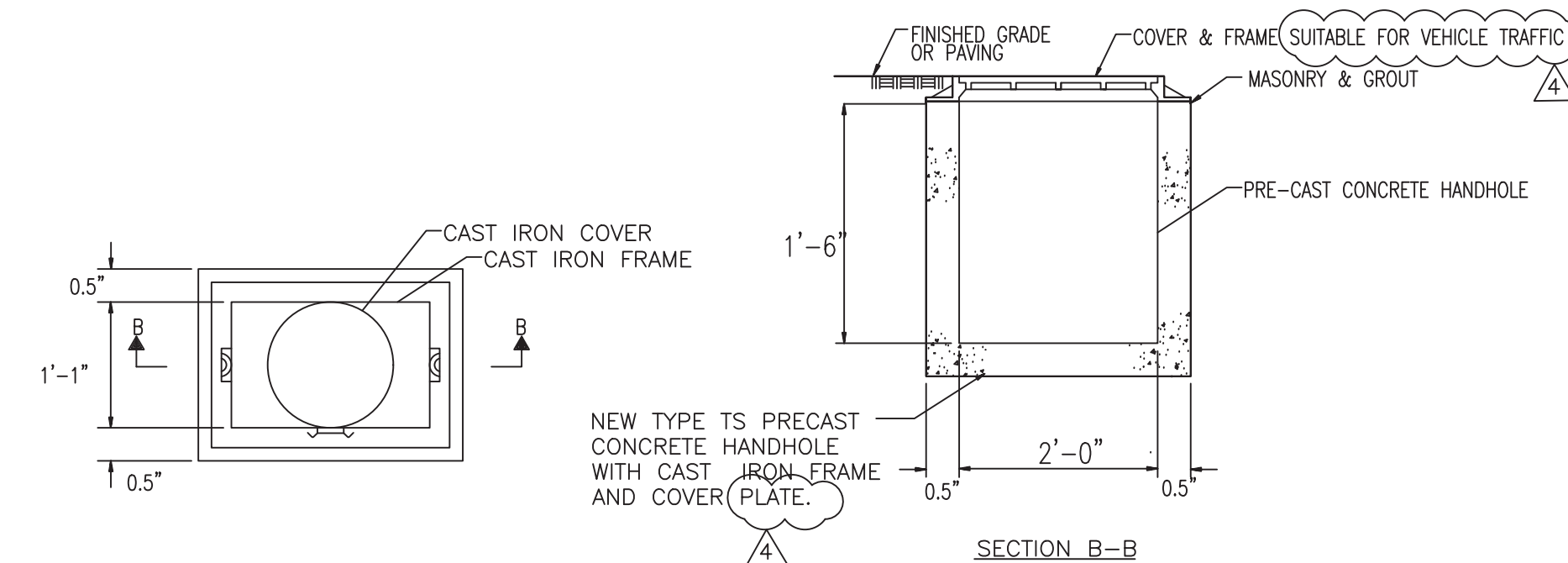
1 CONDUIT PENETRATION THROUGH FIRE RATED WALL
SCALE: N.T.S.



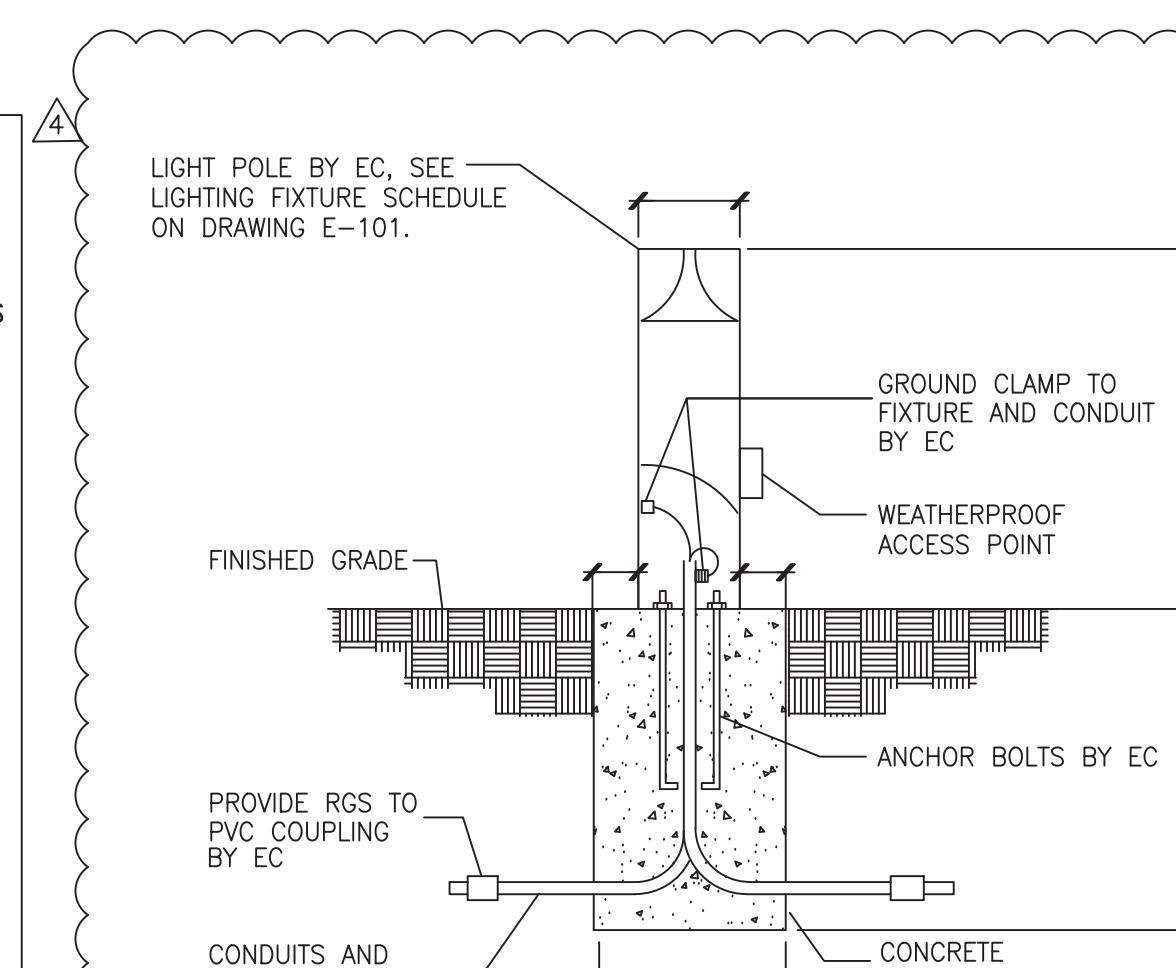
NOTES:

- ALL CONDUITS ARE NOT TO BE PAINTED (TYP).
- TRENCHING WORK TO BE PERFORMED BY SITE CONTRACTOR

2 TYPICAL TRENCH DETAIL
SCALE: N.T.S.



6 ELECTRICAL HANDHOLE DETAIL
SCALE: NTS (VEHICLE TRAFFIC RATED)



NOTES:

- REFER TO MFGRS. REQUIREMENT FOR PLACEMENT OF ANCHORS
- POLE TO BE SECURED BY EC

5 LIGHTING FIXTURE GROUNDING
SCALE: NTS

No.	Date	Revisions
4	01-03-22	ADDENDUM 1
3	12-16-21	ISSUED FOR BID
2	11-19-21	ISSUED ADDENDUM 1
1	9-22-21	BIDDING DOCUMENTS

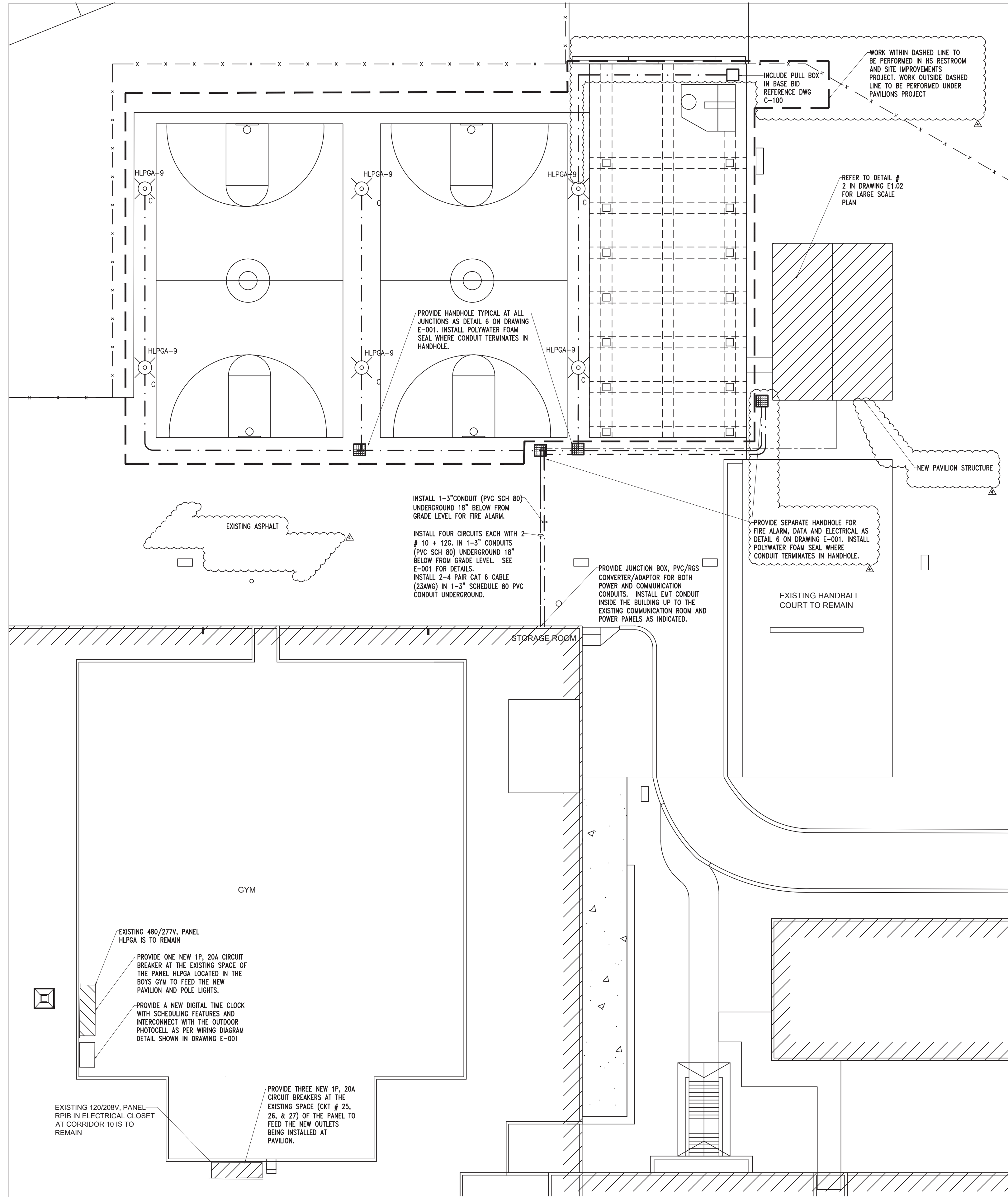
Drawn by	CF
Checked by	SH
Project No.	41063
Scale	AS NOTED
Date	04-07-21

MECHANICAL & ELECTRICAL ENGINEER:	GREENMAN PEDERSEN, INC. MONTELEONE, NY 10801
STRUCTURAL ENGINEER:	

NORTH ROCKLAND HS RESTROOM AND SITE IMPROVEMENTS
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Drawing Title
ELECTRICAL NOTES AND DETAILS
 Drawing No.
E-001



INSTALLATION NOTES

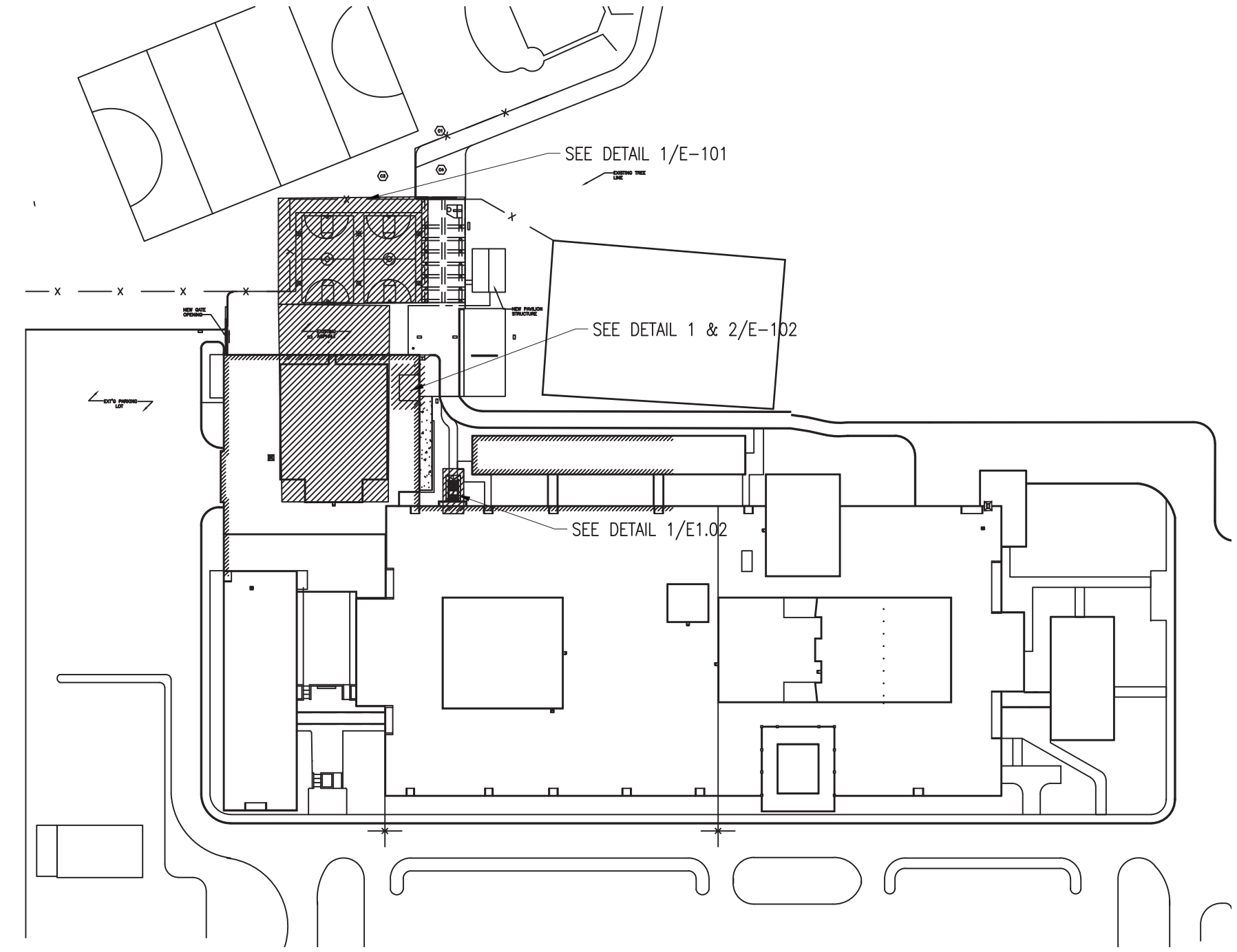
- UNLESS OTHERWISE NOTED, ALL NEW WIRING SHALL BE 2#10+1#10G.
- ALL EXTERIOR EXPOSED CONDUITS SHALL BE RIGID GALVANIZED STEEL TYPE, UOI. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 80. ALL INTERIOR CONDUIT SHALL BE EMT. EXTERIOR EXPOSED RGS CONDUITS (PORTION OF CONDUITS ABOVE GRADE) AT THE PAVILION CONNECTING RECEPTACLES AND DATA OUTLET SHALL BE COVERED TO MATCH EXISTING FINISHES. COORDINATE WITH ARCHITECT FOR THE FINAL FINISHING MATERIAL AT FIELD.
- ALL EXTERIOR "A" LIGHT FIXTURES IN PAVILION AND BASKETBALL COURT SHALL BE CONTROLLED VIA DIGITAL TIME CLOCK AND OUTDOOR PHOTOCELL.
- CONTRACTOR TO MOUNT RECEPTACLE ON THE CORNER COLUMN AT 42" ABOVE GRADE. PROVIDE AND INSTALL WEATHER PROOF COVER. SEE DRAWING E001 FOR DETAIL. PAINT EXTERIOR CONDUIT TO MATCH STRUCTURAL COLUMN COLOR.
- COORDINATE WITH THE BUILDING FACILITY AND SET UP THE DIGITAL TIME CLOCK TO SCHEDULE IT FOR YEARLY OPERATION OF THE LIGHTING WITHIN THE PAVILIONS.

LIGHTING FIXTURE SCHEDULE

TYPE	LUMINAIRE DESCRIPTION	MANUFACTURER / CATALOG #	LAMP QTY.	LAMP	VOLTS	FIXTURE INPUT WATTS	LOCATION & NOTES
B	2 X 2 RECESSED LED CLEAR APPEAL LIGHT FIXTURE WITH LENS.	DAY-BRIGHT# 2-CAX-G-30L-840-2-DS-UNV-DIM-F1-WL	1	LED	UNV	27W	RESTROOMS
C	ALCON LIGHTING 11450 ARCHITECTURAL LED POWDER COATED CAST-ALUMINUM POST LIGHT FIXTURE, CLEAR LENS, 3000K, WITH 15' POLE	ALCON# 11450-30-30K-C-15R	6	LED	UNV	30W	BASKETBALL COURT

NOTES

- CONTRACTOR SHALL COORDINATE ALL THE FINISHES AND MOUNTING WITH THE ARCHITECT.



KEY PLAN

1 NRHS PARTIAL SITE PLAN - INSTALL
SCALE: 1/16" = 1'-0"

No.	Date	Revisions
4	01-03-22	ADDENDUM 1
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 Mechanical & Electrical Engineer
 1000 Montebello, NY 10800

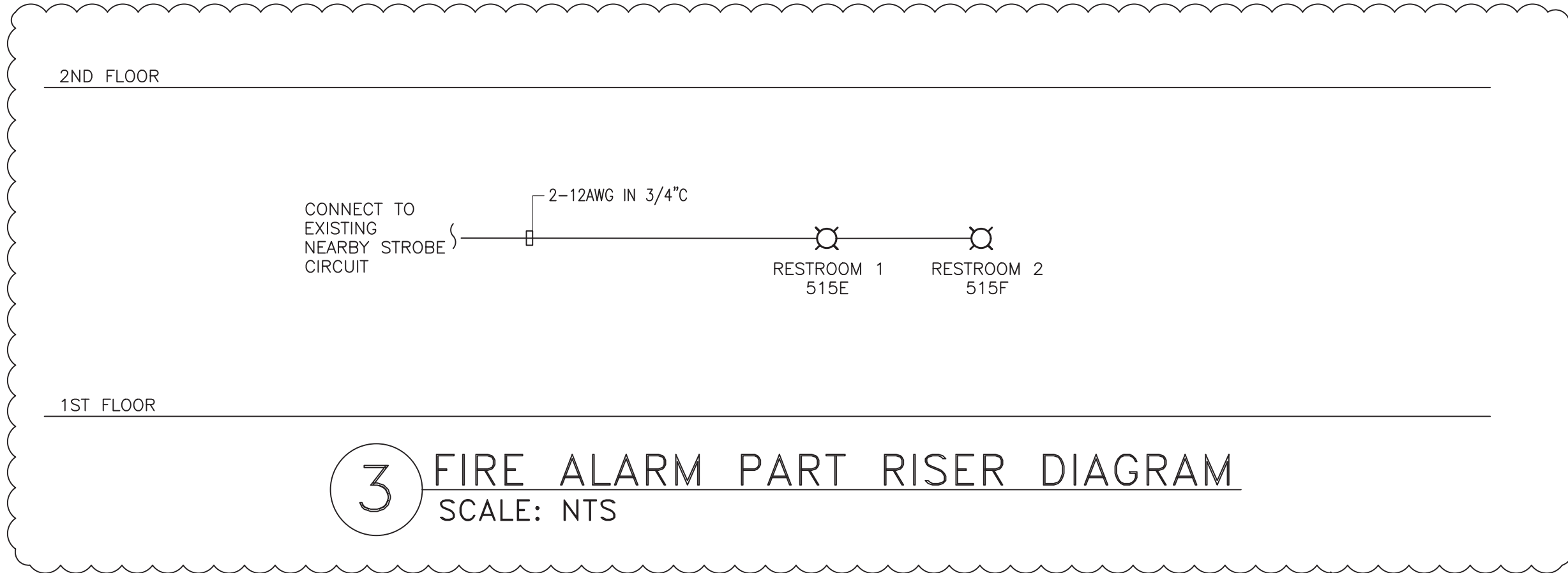
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 Drawing Title
ELECTRICAL SITE PLAN
 Drawing No.
E-101



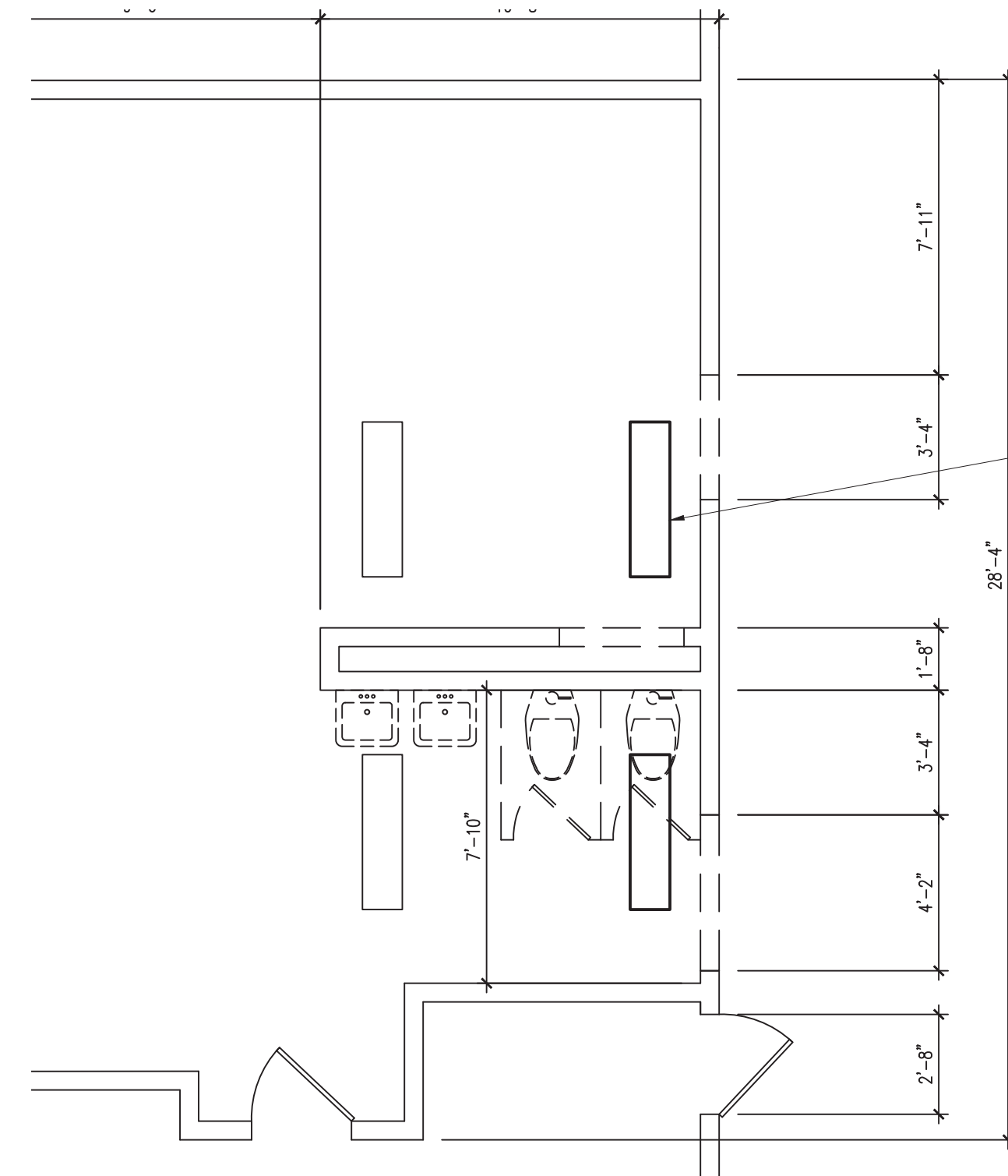
3 FIRE ALARM PART RISER DIAGRAM
SCALE: NTS

INSTALLATION NOTES

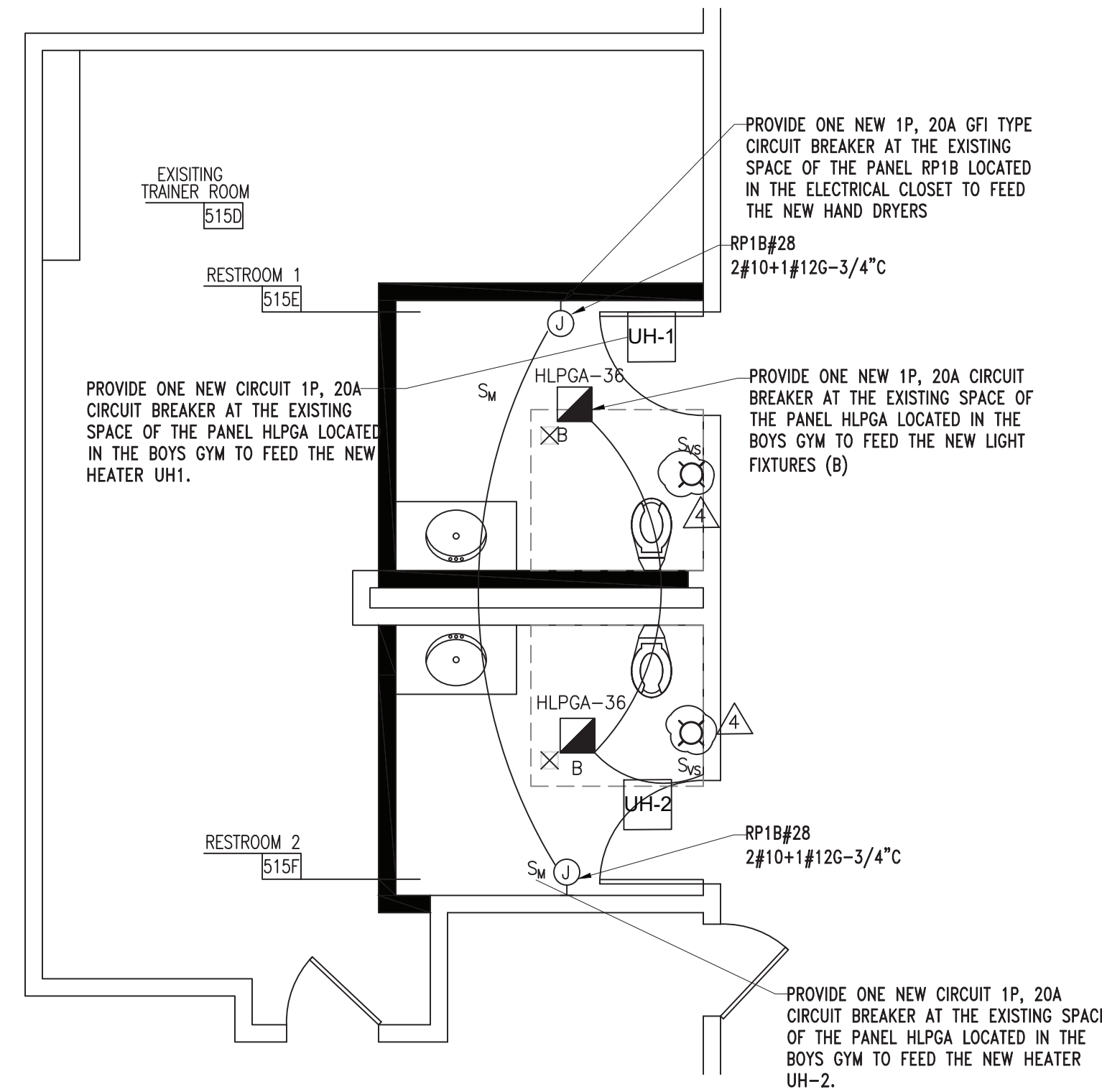
1. ALL EXTERIOR EXPOSED CONDUITS SHALL BE RIGID GALVANIZED STEEL TYPE, UOI. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 80. ALL INTERIOR CONDUIT SHALL BE EMT. EXTERIOR EXPOSED RGS CONDUITS (PORTION OF CONDUITS ABOVE GRADE) AT THE PAVILION CONNECTING RECEPTACLES AND DATA OUTLET SHALL BE COVERED TO MATCH EXISTING FINISHES. COORDINATE WITH ARCHITECT FOR THE FINAL FINISHING MATERIAL AT FIELD.
2. ALL EXTERIOR "A" LIGHT FIXTURES IN PAVILION AND BASKETBALL COURT SHALL BE CONTROLLED VIA DIGITAL TIME CLOCK AND OUTDOOR PHOTOCELL.
3. CONTRACTOR TO MOUNT RECEPTACLE ON THE CORNER COLUMN AT 42" ABOVE GRADE. PROVIDE AND INSTALL WEATHER PROOF COVER. SEE DRAWING E001 FOR DETAIL. PAINT EXTERIOR CONDUIT TO MATCH STRUCTURAL COLUMN COLOR.
4. COORDINATE WITH THE BUILDING FACILITY AND SET UP THE DIGITAL TIME CLOCK TO SCHEDULE IT FOR YEARLY OPERATION OF THE LIGHTING WITHIN THE PAVILIONS.
5. UNLESS OTHERWISE NOTED, ALL NEW WIRING SHALL BE 2#12+1#12G IN 3/4" CONDUIT.
6. REFER TO LIGHTING FIXTURE SCHEDULE IN DRAWING E-101

DEMOLITION NOTES

1. THE CONTRACTOR IS TO REMOVE ALL LIGHTING FIXTURES SHOWN IN THE DEMOLITION PLAN ALONG WITH ALL SUPPORTS, JUNCTION BOXES, WIRING AND CONDUIT ETC. MAINTAIN EXISTING CIRCUIT TO RECONNECT THE NEW FIXTURES.
2. CONNECT NEW LIGHTING FIXTURES LOW WITH EXISTING NEAR BY LIGHTING CIRCUITS AS INDICATED IN THE PART PLAN IN THIS DRAWING.
3. COORDINATE WITH THE BUILDING FACILITY FOR ANY REQUIRE SHUTDOWN OF THE POWER.



1 ELECTRICAL BATHROOM DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



2 ELECTRICAL BATHROOM INSTALLATION PLAN
SCALE: 1/4" = 1'-0"

FIRE ALARM NOTES:

1. FOR SYMBOL LIST, ABBREVIATIONS AND GENERAL NOTES SEE DRAWING E-001
2. LOCATION OF DEVICES AND EQUIPMENT ARE APPROXIMATE. FINAL LOCATIONS MUST BE DETERMINED ACCORDING TO THE SITE CONDITIONS.
3. ELECTRICAL CONTRACTOR SHALL VERIFY THE ROOM NUMBERS SHOWN ON THE DRAWINGS IN FIELD. SUBMIT AN AS BUILT FIRE ALARM RISER DIAGRAM WITH THE CORRECT ROOM NUMBERS INDICATED.
4. WALL MOUNTED HORNS AND VISUAL FIRE ALARMS (STROBES) SHALL HAVE A MINIMUM 5'-0" CLEARANCE FROM ANY OBSTRUCTIONS AND SHALL BE RATED AT 75 CANDELA MINIMUM AND MOUNTED AT 8'-0" A.F.F.
5. ALL CONDUITS AND FIRE ALARM EQUIPMENT SHALL BE GROUNDED TO THE WATER MAIN WITH A MINIMUM #8 CONDUCTOR.
6. RISER DIAGRAM ON THIS DRAWING IS FOR DESIGN PURPOSE ONLY. FIRE ALARM CONTRACTOR SHALL PROVIDE A COMPLETE RISER DIAGRAM WITH ACTUAL FIELD WIRING REQUIRED.
7. EACH FIRE ALARM INITIATION AND INDICATION CIRCUIT SHALL BE ELECTRICALLY SUPERVISED.
8. EACH VISUAL FIRE ALARM CIRCUIT SHALL CONTAIN AT LEAST 20% SPARE CAPACITY.
9. ALL NEW FIRE ALARM DEVICES SHALL BE ADDRESSABLE OR AND CONNECT WITH THE EXISTING FIRE ALARM SYSTEM. PROVIDE COMPATIBLE DEVICES, PREFERABLY FROM THE SAME EXISTING MANUFACTURER.
10. ALL NOTIFICATION CIRCUITS SHALL BE A MINIMUM OF 12 AWG AND ALL OTHER LOW VOLTAGE FIRE ALARM CIRCUITS SHALL BE 14 AWG MINIMUM. ALL INTERIOR WIRING SHALL BE DONE IN 3/4" CONDUIT. PLENUM RATED MULTI-CONDUCTOR CABLE IS ACCEPTABLE IN PLENUM SPACES. RGS CONDUIT SHALL BE INSTALLED WHERE REQUIRED BY BUILDING CODE.
11. ALL WIRING SHALL BE INSPECTED TO ASSURE THERE ARE NO OPENS, SHORTS OR EARTH GROUNDS.
12. BOOSTER POWER SUPPLIES SHALL BE PROVIDED AS NECESSARY FOR STROBE CIRCUIT DRAW AND LENGTHY STROBE CIRCUIT RUNS.
13. ALL NEW FIRE ALARM SYSTEM DEVICES SHALL BE INSPECTED AND TESTED IN ACCORDANCE WITH REQUIREMENTS OF NFPA 72, CHAPTER 14.
14. COMMUNICATION LOOPS SHALL BE WIRES AS CLASS "B" (LEVEL 1). A BREAK OR GROUND FAULT IN ANY CONDUCTOR SHALL BE REPORTED AS A TROUBLE CONDITION.
15. THE CONTRACTOR IS REQUIRED TO OBTAIN SERVICE FROM THE EXISTING SYSTEM MANUFACTURER OR AUTHORIZED VENDOR FROM THE SAME MANUFACTURER FOR RE-PROGRAMMING THE EXISTING SYSTEM TO ACCOMMODATE NEW DEVICES TO MATCH WITH EXISTING SEQUENCE OF OPERATION.
16. WHERE A REQUIRED FIRE ALARM SYSTEM IS OUT OF SERVICE FOR MORE THAN 4 HOURS IN A 24-HOUR PERIOD, THE AUTHORITY HAVING JURISDICTION SHALL BE NOTIFIED, AND THE BUILDING SHALL BE EVACUATED, OR AN APPROVED FIRE WATCH SHALL BE PROVIDED BY THE CONTRACTOR UNTIL THE FIRE ALARM SYSTEM HAS RETURNED TO SERVICE.
17. THE CONTRACTOR WILL BE RESPONSIBLE TO OBTAIN FINAL LETTER OF APPROVAL OF THE MODIFIED SYSTEM FROM LOCAL CODE OFFICIAL/FIRE DEPARTMENT.
18. ALL THE NEW INSTALLATION SHALL BE IN COMPLIANCE WITH THE 2020 NYS BUILDING CODE.
19. EXISTING FIRE ALARM SYSTEM IS A MODEL ES-200X BY HONEYWELL.

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GREENMAN PEDERSEN, INC. MECHANICAL & ELECTRICAL ENGINEERS MONTELAIS, NY 10801	Mechanical & Electrical Engineer:	Structural Engineer:
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ELECTRICAL BATHROOM PART PLANS
Drawing No. **E-102**

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