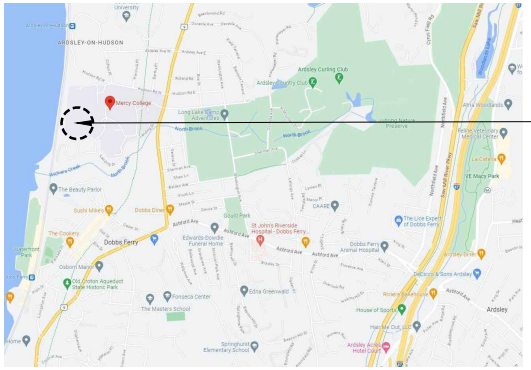
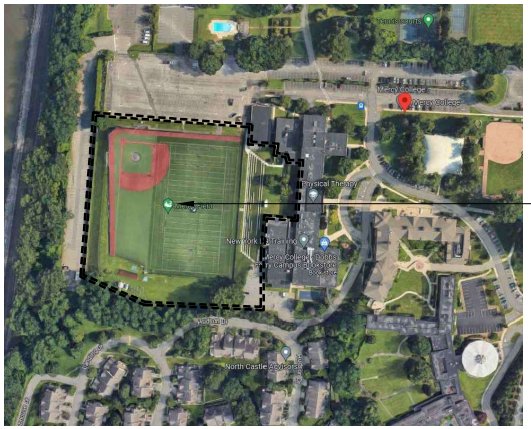
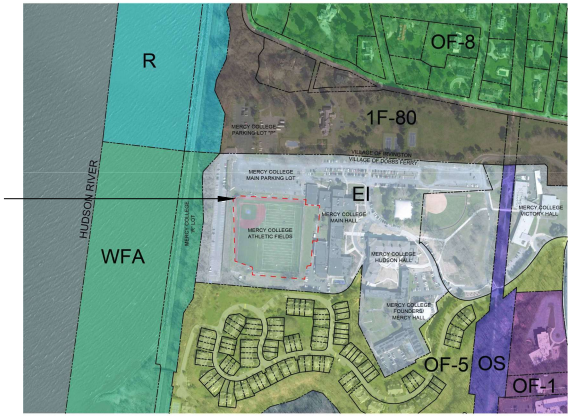


AREA PLAN
N.T.S.



SITE PLAN
N.T.S.



ZONING PLAN
N.T.S.

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C-001	EXISTING CONDITIONS
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MERCY UNIVERSITY - ATHLETIC FIELD IMPROVEMENTS

PLANNING BOARD SUBMISSION

AUGUST 23, 2023

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MERCY UNIVERSITY PROJECT #: DF2301
CCH PROJECT #: 2306

A17 ABBREVIATIONS INDEX

AC	ACRE
ACT	ACCOUSTICAL TILE
A/C	AIR CONDITIONING
ALUM	ALUMINUM
AMP	AMPERE
ANOD	ANODIZED
L	ANGLE
AP	ACCESS PANEL
APC	ACOUSTIC PANEL CLG
APPROX	APPROXIMATE
ARCH	ARCHITECT
@	AT
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
B.M.	BENCH MARK
BOT	BOTTOM
BRG	BEARING
C	CHANNEL
CEM	CEMENT
CG	CORNER GUARD
CJ	CONTROL JOINT
CLG	CEILING
CLKG	CAULKING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONTR	CONTRACTOR
CPT	CARPET(ED)
CT	CERAMIC TILE
CU.FT.	CUBIC FEET
○	DEGREE
DF	DRINKING FOUNTAIN
DIAG	DIAGRAM
O, DIA	DIAMETER
DIM	DIMENSION
◯	DOOR NUMBER
DN	DOWN
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
E	EAST
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELEC	ELECTRIC
ELEV	ELEVATION
EWC	ELECTRIC WATER COOLER
EX, EXIST.	EXISTING
E.J.	EXPANSION JOINT
EXT	EXTERIOR
F.D.	FLOOR DRAIN
F.F.	FINISHED FLOOR
FLASH	FLASHING
FLR	FLOOR
FND	FOUNDATION
FR GPDW	FIBER REINFORCED GYPSUM DRY WALL
FT, '	FOOT
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GLS	GLASS, GLAZING
GPDW	GYPSUM DRYWALL
GB	GRAB BAR
GR.	GRADE
H.B.	HOSE BIBB
H.C.	HANDICAPPED
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
IN, "	INCH
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JT	JOINT
JST	JOIST
KIP	THOUSAND POUNDS
LAV	LAVATORY
LB, #	POUND
LGTH	LENGTH
LIN. FT., L.F.	LINEAR FEET
LL	LEVEL LINE
MAT'L	MATERIAL
MECH	MECHANICAL
MFR	MANUFACTURE
MH	MANHOLE
MIN	MINIMUM
MTL	METAL
MISC	MISCELLANEOUS
M.O.	MASONRY OPENING
NAT. CLEFT BLUE	NATURAL CLEFT BLUESTONE
NIC	NOT-IN-CONTRACT
NO, #	NUMBER
O.C.	ON CENTER
O.D.	OVERFLOW DRAIN
OPNG	OPENING
/	PER
PLUMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PORC TILE	PORCELAIN TILE
P.T.	PRESSURE TREATED
PTD	PAINTED
QT	QUARRY TILE
R	RISER
R.D.	ROOF DRAIN
RAD	RADIUS
REINF	REINFORCING
REV	REVEAL
RFG	ROOFING
RM	ROOM
101	ROOM NUMBER
RND	ROUND
R.O.	ROUGH OPENING
RUB	RUBBER
S	SOUTH
SCHED	SCHEDULE
SECT	SECTION
SHT	SHEET
SHTHG	SHEATHING
SNT	SEALANT
SPEC	SPECIFICATIONS
SQ.FT.	SQUARE FEET
STD	STANDARD
STL	STEEL
ST. STL.	STAINLESS STEEL/ STEEL
STR	STRUCTURE
SUSP(D)	SUSPEND(ED)
T	TREAD
TBB	TILE BACKER BOARD
TEMP	TEMPERED
THER. FIN. BLUE	THERMAL FINISH BLUESTONE
TOS	TOP OF SLAB
TR	TO REMAIN
TBR	TO BE REMOVED
TBRL	TO BE RELOCATED
TYP	TYPICAL
U	URINAL
UNO	UNLESS NOTED OTHERWISE
VC	VINYL COVE
VCT	VINYL COMPOSITION TILE
VENT	VENTILATE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WEST
WC	WATER CLOSET
WD	WOOD
WDPNL	WOOD PANEL SYSTEM
WR GPDW	WATER RESISTANT GYPSUM DRY WALL
WWF	WELDED WIRE FABRIC
W/	WITH
YD	YARD

A13 SYMBOLS INDEX

- EARTH/COMPACTED FILL
- POROUS FILL/GRAVEL
- POURED/CAST IN PLACE CONCRETE
- PRECAST CONCRETE
- CONCRETE MASONRY UNIT
- SPLITFACE CONCRETE MASONRY UNIT
- GROUNDFACE CONCRETE MASONRY UNIT
- ACCOUSTIC CONCRETE MASONRY UNIT
- BRICK
- GLAZED BRICK
- STEEL
- ALUMINUM
- BRASS/BRONZE
- TERRAZZO
- PLASTER ON METAL LATH
- MARBLE
- BLUE STONE / SLATE
- GRANITE
- LIMESTONE
- SEALANT W/ BACKER ROD
- WOOD (DRESSED)
- WOOD (ROUGH) STUDS/BLOCKING
- VENEER CORE PLYWOOD (LARGE SCALE)
- VENEER CORE PLYWOOD (SMALL SCALE)
- PLASTIC LAMINATE
- GYPSUM WALL BOARD
- RIGID INSULATION
- BATT INSULATION
- GLASS (SMALL SCALE)
- GLASS (LARGE SCALE)
- INSULATING GLASS UNIT
- VINYL COMPOSITION TILE
- CARPET
- CERAMIC TILE
- ACOUSTICAL TILE
- MEMBRANE VAPOR BARRIER & ADHESIVE
- MEMBRANE MOISTURE BARRIER & ADHESIVE
- INDICATES DIRECTION OF WD GRAIN
- DETAIL TAG (DTL NO. / DWG. NO.)
- SECTION/ELEVATION TAG (X / A000 – DTL NO. / DWG. NO.)
- INTERIOR ELEVATIONS, SAME SHEET NO. TAG (DTL NO. / DWG. NO.)
- NORTH ARROW
- COLUMN CENTER LINE
- ROOM NAME / ROOM NUMBER (LOUNGE 101)
- SIGNAGE TYPE
- HEIGHT OF FINISHED CEILING ABOVE FINISHED FLOOR (C-1 +9'-0")
- WINDOW TYPE OR GLAZING TYPE
- WORKPOINT (XCOORD – 'X' DIMENSION TO WP00; WP – WORKPOINT #; YCOORD – 'Y' DIMENSION TO WP00)
- PARTITION TYPE NUMBER (1-A)
- ELEVATION DESIGNATION LEVEL (ON DETAILS)
- ELEVATION STATION POINT (ON PLANS)
- REVISION
- FLOOR DRAIN (F.D.)
- ROOF DRAIN (R.D.)
- AREA DRAIN (A.D.)
- DOUBLE DOOR
- SWINGING DOOR
- SWINGING DOOR (180 HOLD OPEN)
- DOUBLE ACTING DOOR
- SLIDING DOOR
- POCKET DOOR
- HEAVY DASHED - ITEMS TO BE REMOVED (DEMOLISHED)
- HIDDEN LINES - ITEMS HIDDEN OR OVERHEAD
- HALFTONE HIDDEN LINES - ITEMS TO BE REMOVED
- CENTER LINES OF COLUMN GRIDS
- PROJECT LIMIT LINE
- PROPERTY LINES
- NEW OR FINISHED CONTOURS (229)
- EXISTING CONTOURS (228)
- SPRINKLER HEAD
- DOOR TAG (PLANS) (1 / 101 – DOOR NO. / ROOM NO.)
- DOOR TAG (ELEVATIONS) (DOOR NO. 1/101 ROOM NO.)
- CORNER GUARDS
- SURFACE MOUNT FIRE EXTINGUISHER (FE)
- SEMI RECESSED FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER (FE)
- WORK POINT (WP)
- ENTRY POINT

H7 DRAWING LIST

G7 GENERAL NOTES

1. SHOULD ROCK BLASTING BE REQUIRED, A PERMIT APPLICATION IN ACCORDANCE WITH CHAPTER 125 – BLASTINGAND EXPLOSIVES OF THE VILLAGE OF DOBBS FERRY CODE MUST BE SUBMITTED TO THE VILLAGE BY THE APPLICANT FOR REVIEW/APPROVAL.
2. THE VILLAGE ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES IF DEEMED APPROPRIATE TO MITIGATE UNFORESEEN SILTATION AND EROSION OF DISTURBED SOILS.
3. BUILT PLANS OF THE PROPOSED DRIVEWAY AND DRAINAGE IMPROVEMENTS SHALL BE SUBMITTED TO THE VILLAGE ENGINEER FOR REVIEW PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY
4. FILL MATERIAL IMPORTED TO THE SITE SHALL BE CERTIFIED IN WRITING BY A NEW YORK LICENSED PROFESSIONAL ENGINEER AS CLEAN, NON-CONTAMINATED FILL SUITABLE FOR THE INTENDED USE.
5. "BEFORE THE SITE PLAN IS SIGNED BY THE CHAIRMAN OF THE PLANNING BOARD, THE APPLICANT SHALL BE REQUIRED TO POST A PERFORMANCE BOND OR OTHER TYPE OF ACCEPTABLE MONETARY GUARANTY WHICH SHALL BE IN AN AMOUNT DETERMINED BY THE PLANNING BOARD AND THE VILLAGE ENGINEER AND IN A FORM SATISFACTORY TO THE VILLAGE ATTORNEY"
6. THESE DRAWINGS REPRESENT AN OVERALL DESIGN CONCEPT. THEY ARE PREPARED WITH THE INTENT TO DEMONSTRATE AN OVERALL DESIGN ARRANGEMENT OF THE VARIOUS COMPONENTS OF THE ENTIRE PROJECT. THE CONTRACTOR IS ASSUMED TO HAVING REVIEWED THESE DRAWINGS, AND HAVING SEEN THE SUBJECT PROPERTY, IS CAPABLE OF EXECUTING THE DETAIL WORK NECESSARY TO ACHIEVE THE INTENDED RESULTS IN A MANNER THAT IS CONSISTENT WITH THE QUALITY WORKMANSHIP IN THE REGION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE DRAWINGS, VISIT THE SITE, VERIFY THE EXISTING CONDITIONS, DIMENSIONS, CLEARANCES, Etc., SHOWN ON THE DRAWINGS PRIOR TO BIDDING.
7. THESE DRAWINGS ARE THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE USED FOR A BUILDING PERMIT UNLESS SIGNED AND SEALED BY THE ARCHITECT.
8. REPRODUCTIONS OF CONTRACT DOCUMENTS ARE NOT ACCEPTABLE AS SHOP DRAWINGS AND MAY BE REJECTED.
9. UNLESS OTHERWISE NOTED, GENERAL NOTES REFER TO ALL TYPICAL CONDITIONS THROUGHOUT THE BUILDING. SPECIFIC CONDITIONS REQUIRING CLARIFICATION ARE MARKED DOWN ON PLAN(S).
10. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCY OR DEVIATION BETWEEN DWGS. AND ANY FIELD VERIFIED CONDITIONS PRIOR TO COMMENCING WORK.
11. THE OWNER AND CONTRACTOR SHALL HOLD THE ARCHITECT HARMLESS AGAINST ANY CLAIMS, DAMAGES, LOSSES AND EXPENSES INCLUDING ATTORNEY FEES ARISING OR RESULTING FROM THE PERFORMANCE OF THE WORK BY THE CONTRACTOR.
12. THE ARCHITECT IS NOT RESPONSIBLE WHERE CONSTRUCTION DEVIATES FROM PLANS UNLESS APPROVED IN WRITING BY THE ARCHITECT.
13. DO NOT SCALE DRAWINGS. ALL MEASUREMENTS MUST BE CONFIRMED IN THE FIELD. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
14. IF ANY DISCREPANCIES BETWEEN DWGS AND SPECIFICATIONS EXIST, THE MORE STRINGENT SHALL TAKE PRECEDENCE. SIMILARLY BETWEEN ARCHITECTURAL PLANS AND VARIOUS ENGINEERING DISCIPLINES.
15. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. DO NOT SCALE DRAWINGS. IF A DIMENSION IS UNCLEAR OR A DISCREPANCY IS FOUND, NOTIFY THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
16. DETAILS AND SECTIONS ON THE DRAWINGS ARE SHOWN AT SPECIFIC LOCATIONS AND ARE INTENDED TO SHOW GENERAL REQUIREMENTS THROUGHOUT. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED IN A SIMILAR FASHION OR BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION. MODIFICATIONS MAY BE REQUIRED BY THE CONTRACTOR TO ACCOMMODATE FOR MINOR VARIATIONS.
17. CONTRACTOR TO FIELD VERIFY EXTENT OF WORK PRIOR TO BID.
18. SUBMIT STAGING PLANS AND CONSTRUCTION SCHEDULE FOR ARCHITECT'S AND OWNER'S REVIEW PRIOR TO COMMENCING WORK.
19. ALL CONTRACTORS SHALL MAINTAIN CONTRACTORS LIABILITY, PROPERTY DAMAGE AND WORKMAN'S COMPENSATION INSURANCE.
20. ALL CODES HAVING JURISDICTION SHALL BE OBSERVED STRICTLY IN THE CONSTRUCTION OF THE PROJECT, INCLUDING ALL APPLICABLE STATE, CITY, AND COUNTY BUILDING, ZONING, ELECTRICAL, MECHANICAL, PLUMBING, AND FIRE CODES. THE CONTRACTOR SHALL VERIFY ALL CODE REQUIREMENTS BEFORE COMMENCEMENT OF CONSTRUCTION AND BRING ANY DISCREPANCIES BETWEEN CODE REQUIREMENTS AND THE CONSTRUCTION DOCUMENTS TO THE ATTENTION OF THE ARCHITECT.
21. ALL WORK TO BE INSPECTED FOR CONFORMITY OF THE UNIFORM CONSTRUCTION CODE OF THE STATE OF NEW JERSEY AND INTERNATIONAL BUILDING CODE 2009 EDITION.
22. UTILIZE OSHA SAFETY PRECAUTIONS AS REQUIRED. CONTRACTOR TO PROVIDE OWNER/ARCHITECT WITH COPIES OF ALL MINUTES/SIGN-IN SHEETS FOR "TOOL BOX" TALKS ON A MONTHLY BASIS. SUBMISSION IS A CONDITION OF RELEASE OF PAYMENT.
23. MAINTAIN PROTECTED EGRESS AND ACCESS TO WORK.
24. ALL EQUIPMENT MUST MEET LOCAL NOISE ORDINANCES.
25. CONTRACTOR TO VERIFY ALL DIMENSIONS AND QUANTITIES PRIOR TO ORDERING, FABRICATING OR CONSTRUCTING ANY PART OF THE BUILDING. NOTIFY ARCHITECT IMMEDIATELY WITH ANY AND ALL DISCREPANCIES.
26. NOTIFY OWNER/ARCHITECT 7 DAYS MINIMUM IN ADVANCE OF ANY UTILITY SHUT-OFFS.
27. GENERAL CONTRACTOR TO COORDINATE WITH OTHER CONTRACTS ON SITE HIRED UNDER SEPARATE CONTRACT.
28. UNLESS NOTED OTHERWISE, ALL NEW ITEMS SHALL BE FURNISHED BY THE GENERAL CONTRACTOR.
29. CONTRACTOR SHALL VERIFY ALL REQUIRED ROUGH OPENINGS WITH MANUFACTURERS PRIOR TO START OF ANY CONSTRUCTION AND COORDINATE ANY DISCREPANCIES ON THE PLANS WITH THE RESPECTIVE TRADES.
30. INSTALL ALL FIXTURES, MATERIALS, AND FINISHES IN STRICT COMPLIANCE WITH MANUFACTURER'S TECHNICAL SPECIFICATIONS, TYP.
31. CONTRACTOR RESPONSIBLE FOR ALL UTILITY HOOK-UPS.
32. ALL DIMENSIONS TAKEN FROM FACE OF FINISH UNLESS NOTED OTHERWISE.

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SUBMISSIONS

NO.	DATE	DESCRIPTION
1	05.11.23	PLANNING BOARD SUB.
2	08.23.23	OWNER'S NAME UPDATE

REVISIONS

REGISTERED ARCHITECT
GEORGE MICHAEL HIBBS
031748
STATE OF NEW YORK

MERCY UNIVERSITY ATHLETIC FIELD IMPROVEMENTS

555 BROADWAY, DOBBS FERRY, NY 10522

DATE:	08/23/2023
SCALE:	AS NOTED
DRAWN BY:	JCG
CHECKED BY:	GH

SHEET TITLE:
GENERAL NOTES, AND LEGEND

DRAWING NO.:
G-1

CCH PROJECT NO: 2306

12323082393 5321 jgiresi N:\2300\2306_MercyCollegeDugouts\3-DWGS\3.2-Sheets\A-101 24X36.dwg

SECTION 055200 - METAL HANDRAIL AND FINISHES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. CONSTRUCTION DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.

1.2 SUMMARY

A. WORK INCLUDED: PROVIDE AND INSTALL ALL METAL HANDRAILS AS SHOWN ON THE CONSTRUCTION DRAWINGS.

1.3 ACTION SUBMITTALS

A. PRODUCT DATA: SUBMIT MANUFACTURER'S PUBLISHED LITERATURE FOR SPECIFIED PRODUCTS AND ACCESSORIES AS APPLICABLE INCLUDING MANUFACTURER'S SPECIFICATIONS, PERFORMANCE CALCULATIONS, AND PHYSICAL CHARACTERISTICS FOR:
1. SCHEDULE 40 METAL PIPE.
2. ZINC RICH EPOXY PRIMER.
3. POWDER COATED SURFACE TREATMENT.

B. SHOP DRAWINGS: BEFORE ANY FABRICATION HAS BEGUN, SUBMIT DETAILED SHOP DRAWINGS OF ALL MISCELLANEOUS METAL ITEMS SHOWING SIZES OF METAL COMPONENTS, METHOD OF ASSEMBLY, HARDWARE, AND ANCHORAGE OR CONNECTION TO OTHER WORK.

C. SAMPLE OF SPECIFIED FINISH COLOR FOR APPROVAL BY LANDSCAPE ARCHITECT.

1.4 QUALITY ASSURANCE

A. FABRICATION AND INSTALLATION PROCEDURES SHALL CONFORM TO THE SPECIFICATIONS AND PRACTICES OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.

B. CONFORM TO REQUIREMENTS OF THE FOLLOWING REFERENCE STANDARDS OR AS MODIFIED AND SUPPLEMENTED HEREINAFTER.
1. UNIFORM BUILDING CODE (LATEST EDITION).
2. APPLICABLE ARLINGTON COUNTY BUILDING CODES AND REGULATIONS.
3. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
4. AMERICAN IRON AND STEEL INSTITUTE (AISI).
5. AMERICAN WELDING SOCIETY (AWS).

C. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) PUBLICATIONS:
1. ASTM A36 - STRUCTURAL STEEL.
2. ASTM A121 - ZINC-COATED (GALVANIZED) STEEL BARBED WIRE.
3. ASTM A123 - ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS.
4. ASTM A500 - COLD-FORMED WELDED AND SEAMLESS CARBON STEEL STRUCTURAL TUBING IN ROUNDS AND SHAPES.
5. ASTM A1264 - SAFETY REQUIREMENTS FOR WORKPLACE FLOOR AND WALL OPENINGS, STAIRS, AND RAILING SYSTEMS.
6. ASTM B117 - STANDARD PRACTICE FOR OPERATING SALT SPRAY (FOG) APPARATUS.
7. ASTM D822 - TESTS ON PAINT AND RELATED COATINGS USING FILTERED OPEN-FLAME CARBON-ARC EXPOSURE APPARATUS.
8. ASTM D1794 - RESISTANCE OF ORGANIC COATINGS TO THE EFFECTS OF RAPID DEFORMATION (IMPACT).
9. ASTM D3363 - TEST METHOD FOR FILM HARDNESS BY PENCIL TEST.

D. STEEL FABRICATOR TO BE EXPERIENCED IN STEEL FABRICATION INCLUDING: CUTTING, BENDING, FASTENING, AND FINISHING.

E. STANDARD STRUCTURAL STEEL SHAPES AND PLATES SHALL BE IN CONFORMANCE WITH ASTM A-36.

F. STEEL PIPE SHALL BE IN CONFORMANCE WITH ASTM A-53, TYPE E OR S, GRADE A OR B.C. CAST IRON SHALL BE IN CONFORMANCE WITH ASTM A-48, CLASS 30, UNLESS OTHERWISE INDICATED.

G. FASTENINGS SHALL BE IN CONFORMANCE WITH SECTION 232(D), (E) AND (F) OF THE VDOT SPECIFICATIONS.

H. WELDING ELECTRODES SHALL BE AS PERMITTED BY AWS CODE D1.0

1.5 DESIGN REQUIREMENTS

A. RAILING ASSEMBLIES AND ATTACHMENTS SHALL BE DESIGNED, FABRICATED, AND INSTALLED IN ACCORDANCE WITH ASTM A1264, ASTM E894, ASTM E935 TO SUPPORT:
1. 200 POUNDS CONCENTRATED LOADING APPLIED AT ANY POINT IN ANY DIRECTION.
2. 50 POUNDS PER LINEAR FOOT UNIFORM LOAD APPLIED HORIZONTALLY TO TOP OF RAIL.

1.6 DELIVERY, STORAGE AND HANDLING

A. SHIP, STORE, AND HANDLE ALL ITEMS SO AS TO PROTECT METAL COMPONENTS FROM DAMAGE ON SITE. STORE IN A SAFE LOCATION, OUT OF PEDESTRIAN AND VEHICULAR TRAFFIC AND PROTECTED FROM WEATHER. REPAIR OR REPLACE ANY DAMAGED COMPONENTS BEFORE INSTALLATION.

1.7 WARRANTY

A. PROVIDE 5 YEAR WARRANTY FOR FACTORY FINISH AGAINST CRACKING, PEELING, AND BLISTERING UNDER NORMAL USE.

PART 2 - PRODUCTS

2.1 ACCEPTABLE ZINC RICH EPOXY PRIMER AND POWDER COAT MANUFACTURERS

A. LANE ENTERPRISES, POWDER COATING DIVISION, 1244 CLAREMONT ROAD, CARLISLE, PA 17015; 717-249-8342, OR APPROVED EQUAL.

2.2 HANDRAIL

A. STANDARD MATERIAL FOR HANDRAILS SHALL BE 2" ROUND SCHEDULE 40 BLACK STEEL PIPE.

B. HARDSCAPE AND FINAL GRADE OF LAWNS SHALL BE CONSTRUCTED PRIOR TO MEASURING FOR STRAIGHT AND CURVED HANDRAIL SECTIONS.

C. ALL JOINTS SHALL BE WELDED AND GROUND SMOOTH.

D. POST SPACING SHALL NOT EXCEED 5'-6" OR 6'-0" ON CENTER- REFER TO DRAWINGS FOR SPECIFIC LOCATIONS AND POST SPACING. UNLESS SHOWN OTHERWISE ON THE DRAWINGS, THE TOP RAIL SHALL BE LOCATED AT A HEIGHT OF 34". REFER TO CONSTRUCTION DETAILS.

E. CONTRACTOR MAY USE GALVANIZED STEEL IF BRUSH BLASTED TO SSPC-7 SWEEP BLASTING. GALVANIZED FINISH MUST WITHSTAND BRUSH BLASTING WITH NO LIFTING. PIPE CAN BE POWDER COATED DIRECTLY AFTER BLASTING AND CLEANUP WITH NO PRIMER.

2.3 INFILL PANEL

A. VINYL COATED CHAIN LINK FENCING
1. VINYL COATED STEEL: CHAIN LINK FENCE FABRIC SHALL BE GALVANIZED STEEL WIRE WITH A CONTINUOUSLY BONDED VINYL COATING, WITH A FINISH SIZE (I.E., SIZE AFTER COATING) OF 8 GAUGE, AND SHALL COMPLY WITH ASTM F 668.
2. MESH SHALL BE VERTICALLY WOVEN DIAMOND MESH, WITH A NOMINAL DISTANCE OF 2 INCHES (50 MM) BETWEEN PARALLEL WIRES.

B. VINYL COATING
1. THE VINYL COATING SHALL CONFORM TO FS RR F 191/1C.
2. COLORS SHALL BE STABILIZED, AND SHALL HAVE A LIGHT FASTNESS TO WITHSTAND A MINIMUM WEATHER O METER EXPOSURE OF AT LEAST 1500 HOURS WITHOUT DETERIORATION WHEN TESTED IN ACCORDANCE WITH ASTM D 1499.
3. SPECIFIC GRAVITY SHALL BE BETWEEN 1.26 AND 1.30 IN ACCORDANCE WITH ASTM D 792.
4. HARDNESS SHALL BE A90 +/ 5 IN ACCORDANCE WITH ASTM D 2240.
5. TENSILE STRENGTH SHALL BE BETWEEN 2600 AND 3000 PSI (17.94 MPA AND 20.7 MPA) IN ACCORDANCE WITH ASTM D 412.
6. VINYL COATING SHALL BE EXPOSURE RESISTANT TO DILUTE SOLUTIONS OF MOST COMMON MINERAL ACIDS, SEA WATER, SALTS, AND ALKALI.
7. VINYL COATING SHALL BE CONTINUOUSLY BONDED TO THE WIRE UNDER 5000 PSI (34.5 MPA) PRESSURE BEFORE THE WIRE IS WOVEN INTO FABRIC.

2.4 FACTORY FINISHES

A. STEEL RAILING, POSTS, AND OTHER COMPONENTS SHALL BE HOT-DIP GALVANIZED TO 1.25 OUNCES PER SQUARE FOOT MINIMUM ZINC RICH EPOXY COATING IN ACCORDANCE WITH ASTM A123. COMPONENTS SHALL RECEIVE POLYESTER POWDER COATING.

B. SUPER DURABLE TGCI POLYESTER POWDER COATING: ELECTROSTATICALLY APPLIED COLORED POLYESTER POWDER COATING HEAT CURED TO CHEMICALLY BOND FINISH TO METAL SUBSTRATE.
1. MINIMUM HARDNESS MEASURED IN ACCORDANCE WITH ASTM D3363: 2H.
2. DIRECT IMPACT RESISTANCE TESTED IN ACCORDANCE WITH ASTM D2794: W ITHSTAND 160 INCH-POUNDS.
3. SALT SPRAY RESISTANCE TESTED IN ACCORDANCE WITH ASTM B117: NO UNDERCUTTING, RUSTING, OR BLISTERING AFTER 500 HOURS IN 5 PERCENT SALT SPRAY AT 95 DEGREES F AND 95 PERCENT RELATIVE HUMIDITY AND AFTER 1000 HOURS LESS THAN [3/16 INCH] [5 MM] UNDERCUTTING.
4. WEATHERABILITY TESTED IN ACCORDANCE WITH ASTM D822: NO FILM FAILURE AND 88 PERCENT GLOSS RETENTION AFTER 1 YEAR EXPOSURE IN SOUTH FLORIDA WITH TEST PANELS TILTED AT 45 DEGREES.
5. FILM THICKNESS OF FINISH SHALL AVERAGE 7MILS MINIMUM WITH A TOLERANCE OF +/- 2.
6. GLOSS LEVEL: MID-RANGE (45-60%).
7. COLOR: BLACK.

3 - EXECUTION

3.1 FIELD PREPARATION

A. PRIOR TO FABRICATION, FIELD VERIFY REQUIRED DIMENSIONS.

B. PROVIDE SLEEVE SETTING HOLES FOR EMBEDMENT OF FENCE POSTS. SLEEVES SHALL NOT BE VISIBLE AFTER INSTALLATION OF NON-GROUT. DUE TO THE THICKNESS AND PROXIMITY TO EDGE OF CONCRETE, CORE DRILLING WILL NOT BE PERMITTED. HOLE SHALL BE 2 INCHES GREATER THAN POST WIDTH.

3.2 FABRICATION

A. METAL FOR SHOP-FABRICATED ITEMS SHALL BE WELL FORMED TO SHAPE AND SIZE, WITH CRISP LINES OR ANGLES. SHEARING AND PUNCHING SHALL LEAVE CLEAN, TRUE LINES AND SURFACES. WELD PERMANENT CONNECTIONS AND GRIND SMOOTH WHERE EXPOSED TO VIEW. DRESS ALL SHARP EDGES.

B. CONSTRUCT TO SIZES INDICATED USING ROLLED SHAPES AND/ OR PLATES AS DETAILED.

3.3 WELDING

A. PERFORM ALL FERROUS METAL WELDING IN ACCORDANCE WITH AWS CODE D1.0. USE ONLY PRE- QUALIFIED WELDING PROCEDURES IN ACCORDANCE WITH AWS PARAGRAPH 103(A) AND ONLY BY OPERATORS EXPERIENCED IN PERFORMING THE TYPE OF WORK INDICATED.

B. WELD PIPE HANDRAIL IN ACCORDANCE WITH SECTION 407 OF VDOT SPECIFICATIONS.

3.4 MATERIAL PREPARATION

A. AFTER WELDING, ALL EXTERIOR SURFACES SHALL RECEIVE A VERY THOROUGH BLAST WITH A STEEL GRIT MIXTURE CLEANING TO REMOVE MILL SCALE, RUST AND OTHER FOREIGN MATTER.

B. THE APPEARANCE OF THE SURFACE AFTER A VERY THOROUGH BLAST CLEANING SHALL CORRESPOND TO SPECIFICATION STANDARDS OF SSPC-10.

C. THIS BLAST PROFILE OF APPROXIMATELY ONE THIRD THE COATING THICKNESS SHALL BE CONSIDERED SUITABLE AS AN ANCHOR PATTERN FOR THE EPOXY ZINC RICH PRIMER TO ADHERE.

D. BLAST MEDIA MIXTURE SHALL BE REMOVED FROM THE SURFACE BY AIR BLOW OFF SYSTEM PRIOR TO APPLYING THE PRIMER.

3.5 EPOXY ZINC RICH PRIMER

A. THE EPOXY ZINC RICH PRIMER SHALL BE APPLIED AS SOON AS POSSIBLE AFTER BLASTING.

B. THE EPOXY ZINC RICH PRIMER SHALL BE APPLIED WHEN THE SURFACE TEMPERATURE IS AT LEAST 50 DEGREES F (AND RISING) AND AT LEAST 5 DEGREES F ABOVE THE DEW POINT.

C. THE EPOXY ZINC RICH PRIMER SHALL BE APPLIED WITH A ZINC RICH OUTFIT MODEL 98-405. THE EPOXY ZINC RICH PRIMER SHALL BE APPLIED TO A MINIMUM OF 2.0-3.0 MILS DRY FILM THICKNESS
AND A MAXIMUM OF 3.50 MILS DRY FILM THICKNESS. DRY FILM THICKNESS SHALL BE CHECKED WHEN EPOXY ZINC RICH PRIMER IS CURED AND HARDENED.

3.6 POLYESTER POWDER COAT

A. THE HANDRAIL SHALL BE ELECTROSTATICALLY SPRAYED WITH A POLYESTER POWDER COATING (TOP COAT).

B. POLYESTER COATING THICKNESS SHALL BE A MINIMUM OF 5 MILS THICKNESS.

C. THE COATING THICKNESS SHALL BE MEASURED AFTER CURING AND RECORDED ON A QUALITY ASSURANCE PROGRAM SHEET. SHEET SHALL BE SUBMITTED TO PROJECT OFFICER PRIOR TO INSTALLATION ON SITE.

3.7 INSTALLATION

A. FURNISH ALL BOLTS, NUTS, SCREWS, CLIPS, WASHERS, AND ANY OTHER FASTENERS NECESSARY FOR PROPER INSTALLATION OF ITEMS SPECIFIED OR CALLED FOR ON THE APPROVED PLANS.

B. CONNECT HANDRAIL PIPE TO CONCRETE FOOTING AS SHOWN ON THE DRAWINGS. HANDRAILS TO BE SET STRAIGHT, TRUE, AND PLUMB WITHOUT CURVES AND BENDS FROM VERTICAL.

C. PROTECT ALL DISSIMILAR METALS FROM GALVANIZED CORROSION BY PRESSURE TAPES, COATINGS OR ISOLATORS.

3.8 PROTECTION

A. PROVIDE PROTECTION BY STRIPPABLE COATING, PROTECTIVE SLEEVES, POLYETHYLENE SHEETS, BOARDING, OR OTHER SUITABLE MEANS DURING FABRICATION, SHIPMENT, SITE STORAGE, AND ERECTION TO PREVENT DAMAGE TO THE FINISHED WORK DUE TO STAINS, DISCOLORATIONS, SCRATCHES, OR ANY OTHER CAUSE. REPLACE DAMAGED ELEMENTS AT NO EXPENSE TO THE COUNTY.

B. AFTER INSTALLATION, AND AFTER DANGER OF SUBSEQUENT DAMAGE HAS PASSED, REMOVE ALL PROTECTIVE COVERINGS FROM ALL EXPOSED SURFACES, AND CLEAN THOSE SURFACES OF ALL SOIL AND DISCOLORATION, READY FOR ACCEPTANCE.

3.9 TOUCH UP PROCEDURES

A. REPAIR ALL AREAS THAT MAY HAVE BEEN DAMAGED DURING INSTALLATION, CONSTRUCTION OR AT DISCRETION OF THE PROJECT OFFICER. MATERIALS DAMAGED DURING DELIVERY SHALL NOT BE ACCEPTED PRIOR TO INSTALLATION.

B. REPAIRS CANNOT BE MADE WHEN THE AIR IS MOIST, OF IF RAINING OR TEMPS FALLING BELOW 55 AFTER INSTALLATION OF TOUCH UP.

C. REMOVE ALL OIL, GREASE, AND LOOSELY ADHERING DEPOSITS FROM AREA TO BE TOUCHED UP.

D. ABRASIVE BLAST CLEAN THE SURFACE TO NEAR WHITE IN ACCORDANCE WITH SSPC-SP10. HAND SANDING AREA WITH 80-GRIT SAND PAPER OR WIRE WHEEL BRUSH MAY BE USED. W IPE AREA WITH A CLEAN DRY CLOTH TO REMOVE ALL DUST.

E. FOR AREAS OF BARE METAL, APPLY MANUFACTURER SUPPLIED ZINC RICH EPOXY PRIMER TO AREA THAT WAS JUST CLEANED. ALLOW TO CURE PER MANUFACTURERS RECOMMENDATIONS BEFORE TOP COATING.

F. MANUFACTURER OF POWDER COAT SHALL SUPPLY COLOR MATCHED TOUCH UP EPOXY COATING. (SHERTHANE #2, COROTHANE II, TILE CLAD ENAMEL, OR LIQUID EPOXY COATING).

G. APPLY COATING TO SPECIFIED THICKNESS IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS USING SMALL ROLLER OR BUSH.

H. ALLOW FIRST COAT OF PAINT TO DRY APPROXIMATELY 2 HOURS (DEPENDING ON WEATHER CONDITIONS) OR WHERE IT IS NOT TACKY TO THE TOUCH PRIOR TO APPLICATION OF SECOND COAT.

END OF SECTION 055200

SECTION 061000 - ROUGH CARPENTRY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 01 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.

1.2 SUMMARY

A. SECTION INCLUDES:
1. FRAMING WITH DIMENSION LUMBER.
2. WOOD BLOCKING AND NAILERS.

1.3 DEFINITIONS

A. BOARDS OR STRIPS: LUMBER OF LESS THAN 2 INCHES NOMINAL (38 MM ACTUAL) SIZE IN LEAST DIMENSION.

B. DIMENSION LUMBER: LUMBER OF 2 INCHES NOMINAL (38 MM ACTUAL) OR GREATER SIZE BUT LESS THAN 5 INCHES NOMINAL (114 MM ACTUAL) SIZE IN LEAST DIMENSION.

1.4 ACTION SUBMITTALS

A. PRODUCT DATA: FOR EACH TYPE OF PROCESS AND FACTORY-FABRICATED PRODUCT. INDICATE COMPONENT MATERIALS AND DIMENSIONS AND INCLUDE CONSTRUCTION AND APPLICATION DETAILS.

A.A. INCLUDE DATA FOR WOOD-PRESERVATIVE TREATMENT FROM CHEMICAL TREATMENT MANUFACTURER AND CERTIFICATION BY TREATING PLANT THAT TREATED MATERIALS COMPLY WITH REQUIREMENTS. INDICATE TYPE OF PRESERVATIVE USED AND NET AMOUNT OF PRESERVATIVE RETAINED.

A.B. INCLUDE DATA FOR FIRE-RETARDANT TREATMENT FROM CHEMICAL TREATMENT MANUFACTURER AND CERTIFICATION BY TREATING PLANT THAT TREATED MATERIALS COMPLY WITH REQUIREMENTS. INCLUDE PHYSICAL PROPERTIES OF TREATED MATERIALS BASED ON TESTING BY A QUALIFIED INDEPENDENT TESTING AGENCY.

A.C. FOR FIRE-RETARDANT TREATMENTS, INCLUDE PHYSICAL PROPERTIES OF TREATED LUMBER BOTH BEFORE AND AFTER EXPOSURE TO ELEVATED TEMPERATURES, BASED ON TESTING BY A QUALIFIED INDEPENDENT TESTING AGENCY ACCORDING TO ASTM D 5664.

A.D. FOR PRODUCTS RECEIVING A WATERBORNE TREATMENT, INCLUDE STATEMENT THAT MOISTURE CONTENT OF TREATED MATERIALS WAS REDUCED TO LEVELS SPECIFIED BEFORE SHIPMENT TO PROJECT SITE.

1.5 INFORMATIONAL SUBMITTALS

A. EVALUATION REPORTS: FOR THE FOLLOWING, FROM ICC-ES:

A.A. PRESERVATIVE-TREATED WOOD.

A.B. POWER-DRIVEN FASTENERS.

A.C. POST-INSTALLED ANCHORS.

A.D. METAL FRAMING ANCHORS.

1.6 QUALITY ASSURANCE

A. TESTING AGENCY QUALIFICATIONS: FOR TESTING AGENCY PROVIDING CLASSIFICATION MARKING FOR FIRE-RETARDANT-TREATED MATERIAL, AN INSPECTION AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION THAT PERIODICALLY PERFORMS INSPECTIONS TO VERIFY THAT THE MATERIAL BEARING THE CLASSIFICATION MARKING IS REPRESENTATIVE OF THE MATERIAL TESTED.

1.7 DELIVERY, STORAGE, AND HANDLING

A. STACK LUMBER FLAT WITH SPACERS BENEATH AND BETWEEN EACH BUNDLE TO PROVIDE AIR CIRCULATION. PROTECT LUMBER FROM WEATHER BY COVERING WITH WATERPROOF SHEETING, SECURELY ANCHORED. PROVIDE FOR AIR CIRCULATION AROUND STACKS AND UNDER COVERINGS.

PART 2 - PRODUCTS

2.1 WOOD PRODUCTS, GENERAL

A. LUMBER: DOC PS 20 AND APPLICABLE RULES OF GRADING AGENCIES INDICATED. IF NO GRADING AGENCY IS INDICATED, PROVIDE LUMBER THAT COMPLIES WITH THE APPLICABLE RULES OF ANY RULES-WRITING AGENCY CERTIFIED BY THE ALSC BOARD OF REVIEW. PROVIDE LUMBER GRADED BY AN AGENCY CERTIFIED BY THE ALSC BOARD OF REVIEW TO INSPECT AND GRADE LUMBER UNDER THE RULES INDICATED.

B. FACTORY MARK EACH PIECE OF LUMBER WITH GRADE STAMP OF GRADING AGENCY.

B.A. FOR EXPOSED LUMBER INDICATED TO RECEIVE A STAINED OR NATURAL FINISH, OMIT GRADE STAMP AND PROVIDE CERTIFICATES OF GRADE COMPLIANCE ISSUED BY GRADING AGENCY. DRESS LUMBER, S4S, UNLESS OTHERWISE INDICATED.

C. MAXIMUM MOISTURE CONTENT OF LUMBER: 19 PERCENT UNLESS OTHERWISE INDICATED.

2.2 WOOD-PRESERVATIVE-TREATED MATERIALS

B. PRESERVATIVE TREATMENT BY PRESSURE PROCESS: AWPA U1;

B.A. PRESERVATIVE CHEMICALS: ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION AND CONTAINING NO ARSENIC OR CHROMIUM. DO NOT USE INORGANIC BORON (SBX) FOR SILL PLATES.

C. FOR EXPOSED ITEMS INDICATED TO RECEIVE A STAINED OR NATURAL FINISH, CHEMICAL FORMULATIONS SHALL NOT REQUIRE INCISING, CONTAIN COLORANTS, BLEED THROUGH, OR OTHERWISE ADVERSELY AFFECT FINISHES.

B. KILN-DRY LUMBER AFTER TREATMENT TO A MAXIMUM MOISTURE CONTENT OF 19 PERCENT. DO NOT USE MATERIAL THAT IS WARPED OR DOES NOT COMPLY WITH REQUIREMENTS FOR UNTREATED MATERIAL.

C. MARK LUMBER WITH TREATMENT QUALITY MARK OF AN INSPECTION AGENCY APPROVED BY THE ALSC BOARD OF REVIEW.

C.A. FOR EXPOSED LUMBER INDICATED TO RECEIVE A STAINED OR NATURAL FINISH, OMIT MARKING AND PROVIDE CERTIFICATES OF TREATMENT COMPLIANCE ISSUED BY INSPECTION AGENCY.

D. APPLICATION: TREAT ALL MISCELLANEOUS CARPENTRY UNLESS OTHERWISE INDICATED.

2.3 DIMENSION LUMBER FRAMING

A. FRAMING: NO. 2 GRADE OF ANY OF THE FOLLOWING SPECIES:

A.A. HEM-FIR (NORTH); NLGA.

A.B. DOUGLAS FIR-LARCH; WCLIB OR WWPA.

A.C. DOUGLAS FIR-SOUTH; WWPA.

A.D. HEM-FIR; WCLIB OR WWPA.

A.E. DOUGLAS FIR-LARCH (NORTH); NLGA.

B. SIZE: AS INDICATED ON DRAWINGS

2.4 MISCELLANEOUS LUMBER

A. GENERAL: PROVIDE MISCELLANEOUS LUMBER INDICATED AND LUMBER FOR SUPPORT OR ATTACHMENT OF OTHER CONSTRUCTION, INCLUDING THE FOLLOWING:

A.A. BLOCKING.

A.B. NAILERS.

A.C. UTILITY SHELVING.

B. MISCELLANEOUS LUMBER ITEMS: CONSTRUCTION OR NO. 2 GRADE LUMBER OF ANY OF THE FOLLOWING SPECIES:

B.A. HEM-FIR (NORTH); NLGA.

B.B. DOUGLAS FIR-LARCH; WCLIB OR WWPA.

B.C. DOUGLAS FIR-SOUTH; WWPA.

B.D. HEM-FIR; WCLIB OR WWPA.

B.E. DOUGLAS FIR-LARCH (NORTH); NLGA.

2.5 FASTENERS

A. GENERAL: PROVIDE FASTENERS OF SIZE AND TYPE INDICATED THAT COMPLY WITH REQUIREMENTS SPECIFIED IN THIS ARTICLE FOR MATERIAL AND MANUFACTURE.

B. WHERE CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, PRESSURE-PRESERVATIVE TREATED, OR IN AREA OF HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS OF TYPE 304 STAINLESS STEEL.

C. NAILS, BRADS, AND STAPLES: ASTM F 1667.

D. POWER-DRIVEN FASTENERS: FASTENER SYSTEMS WITH AN EVALUATION REPORT ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, BASED ON ICC-ES AC70.

E. POST-INSTALLED ANCHORS: FASTENER SYSTEMS WITH AN EVALUATION REPORT ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION, BASED ON ICC-ES AC01 AS APPROPRIATE FOR THE SUBSTRATE.

E.A. MATERIAL: STAINLESS STEEL WITH BOLTS AND NUTS COMPLYING WITH ASTM F 593 AND ASTM F 594, ALLOY GROUP 1 OR 2 (ASTM F 738M AND ASTM F 836M, GRADE A1 OR A4).

2.6 METAL FRAMING ANCHORS

A. STAINLESS-STEEL SHEET: ASTM A 666, TYPE 304

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. FRAMING STANDARD: COMPLY WITH AF&PA'S WCD 1, "DETAILS FOR CONVENTIONAL WOOD FRAME CONSTRUCTION," UNLESS OTHERWISE INDICATED.

B. SET CARPENTRY TO REQUIRED LEVELS AND LINES, WITH MEMBERS PLUMB, TRUE TO LINE, CUT, AND FITTED. FIT CARPENTRY ACCURATELY TO OTHER CONSTRUCTION. LOCATE FURRING, NAILERS, BLOCKING, AND SIMILAR SUPPORTS TO COMPLY WITH REQUIREMENTS FOR ATTACHING OTHER CONSTRUCTION.

C. DO NOT SPLICE STRUCTURAL MEMBERS BETWEEN SUPPORTS UNLESS OTHERWISE INDICATED.

D. PROVIDE BLOCKING AND FRAMING AS INDICATED AND AS REQUIRED TO SUPPORT FACING MATERIALS, FIXTURES, SPECIALTY ITEMS, AND TRIM.

A. SORT AND SELECT LUMBER SO THAT NATURAL CHARACTERISTICS DO NOT INTERFERE WITH INSTALLATION OR WITH FASTENING OTHER MATERIALS TO LUMBER. DO NOT USE MATERIALS WITH DEFECTS THAT INTERFERE WITH FUNCTION OF MEMBER OR PIECES THAT ARE TOO SMALL TO USE WITH MINIMUM NUMBER OF JOINTS OR OPTIMUM JOINT ARRANGEMENT.

B. COMPLY WITH AWPA M4 FOR APPLYING FIELD TREATMENT TO CUT SURFACES OF PRESERVATIVE-TREATED LUMBER.

B.A. USE INORGANIC BORON FOR ITEMS THAT ARE CONTINUOUSLY PROTECTED FROM LIQUID WATER.

C. SECURELY ATTACH CARPENTRY WORK TO SUBSTRATE BY ANCHORING AND FASTENING AS INDICATED, COMPLYING WITH THE FOLLOWING:

C.A. TABLE 2304.9.1, "FASTENING SCHEDULE," IN ICC'S INTERNATIONAL BUILDING CODE.

C.B. TABLE R602.3(1), "FASTENER SCHEDULE FOR STRUCTURAL MEMBERS," AND TABLE R602.3(2), "ALTERNATE ATTACHMENTS," IN ICC'S INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS.

C.C. ICC-ES EVALUATION REPORT FOR FASTENER.

C.C.A. USE STEEL COMMON NAILS UNLESS OTHERWISE INDICATED. SELECT FASTENERS OF SIZE THAT WILL NOT FULLY PENETRATE MEMBERS WHERE OPPOSITE SIDE WILL BE EXPOSED TO VIEW OR WILL RECEIVE FINISH MATERIALS. MAKE TIGHT CONNECTIONS BETWEEN MEMBERS. INSTALL FASTENERS WITHOUT SPLITTING WOOD. DRIVE NAILS SNUG BUT DO NOT COUNTERSINK NAIL HEADS UNLESS OTHERWISE INDICATED.

3.2 WOOD BLOCKING AND NAILER INSTALLATION

I. INSTALL WHERE INDICATED AND WHERE REQUIRED FOR ATTACHING OTHER WORK. FORM TO SHAPES INDICATED AND CUT AS REQUIRED FOR TRUE LINE AND LEVEL OF ATTACHED WORK. COORDINATE LOCATIONS WITH OTHER WORK INVOLVED.

J. ATTACH ITEMS TO SUBSTRATES TO SUPPORT APPLIED LOADING. RECESS BOLTS AND NUTS FLUSH WITH SURFACES UNLESS OTHERWISE INDICATED.

K. PROVIDE PERMANENT GROUNDS OF DRESSED, PRESSURE-PRESERVATIVE-TREATED, KEY-BEVELED LUMBER NOT LESS THAN 1-1/2 INCHES (38 MM) WIDE AND OF THICKNESS REQUIRED TO BRING FACE OF GROUND TO EXACT THICKNESS OF FINISH MATERIAL. REMOVE TEMPORARY GROUNDS WHEN NO LONGER REQUIRED.

3.3 WOOD FURRING INSTALLATION

A. INSTALL LEVEL AND PLUMB WITH CLOSURE STRIPS AT EDGES AND OPENINGS. SHIM WITH WOOD AS REQUIRED FOR TOLERANCE OF FINISH WORK.

3.4 PROTECTION

A. PROTECT WOOD THAT HAS BEEN TREATED WITH INORGANIC BORON (SBX) FROM WEATHER. IF, DESPITE PROTECTION, INORGANIC BORON-TREATED WOOD BECOMES WET, APPLY EPA-REGISTERED BORATE TREATMENT. APPLY BORATE SOLUTION BY SPRAYING TO COMPLY WITH EPA-REGISTERED LABEL.

B. PROTECT MISCELLANEOUS ROUGH CARPENTRY FROM WEATHER. IF, DESPITE PROTECTION, MISCELLANEOUS ROUGH CARPENTRY BECOMES WET, APPLY EPA-REGISTERED BORATE TREATMENT. APPLY BORATE SOLUTION BY SPRAYING TO COMPLY WITH EPA-REGISTERED LABEL.

END OF SECTION 061053

SECTION 11 66 20 - MISCELLANEOUS ATHLETIC EQUIPMENT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 01 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.

1.2 SUMMARY

A. WORK INCLUDED: THE WORK OF THIS SECTION INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:
1. BACKSTOP AND DUGOUT NETTING.
2. PROTECTIVE PADDING AND POLE WRAPS

1.3 SUBMITTALS

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED, INCLUDING CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, DIMENSIONS OF INDIVIDUAL COMPONENTS AND PROFILES, AND FINISHES.

B. SHOP DRAWINGS: INCLUDE PLANS, ELEVATIONS, SECTIONS, DETAILS, ATTACHMENTS TO OTHER WORK:

C. STRUCTURAL ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION INCLUDING LOADS, POINT REACTIONS, AND LOCATIONS FOR ATTACHMENT OF EQUIPMENT TO STRUCTURE.

D. SAMPLES FOR INITIAL SELECTION: FOR EACH TYPE OF EQUIPMENT INDICATED.

E. SAMPLES FOR VERIFICATION: FOR THE FOLLOWING PRODUCTS:
1. BACKSTOP NET: 24 INCH SQUARE SIZE.
2. PROTECTIVE PADDING: COLOR SAMPLES AND 12INCH SQUARE SAMPLE

F. PRODUCT CERTIFICATES: SUBMIT MANUFACTURER'S CERTIFICATES SHOWING COMPLIANCE WITH PERFORMANCE REQUIREMENTS FOR GYMNASIUM EQUIPMENT, SIGNED BY PRODUCT MANUFACTURER.

1.4 QUALITY ASSURANCE

A. INSTALLER QUALIFICATIONS: MANUFACTURER'S AUTHORIZED REPRESENTATIVE WHO IS TRAINED AND APPROVED FOR INSTALLATION OF UNITS REQUIRED FOR THIS PROJECT.

B. SOURCE LIMITATIONS: OBTAIN EACH TYPE OF EQUIPMENT THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.

1.5 PROJECT CONDITIONS

A. FIELD MEASUREMENTS: VERIFY POSITION AND LOCATION OF SUPPORT POLES, CABLES AND BUILDING ANCHORAGE POINTS.

1.6 WARRANTY

A. SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE COMPONENTS OF EQUIPMENT THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD.
1. WARRANTY PERIOD: MANUFACTURER'S STANDARD WARRANTIES, FROM DATE OF SUBSTANTIAL COMPLETION.

PART 2 - PRODUCTS

2.1 BACKSTOP AND DUGOUT NETTING

A. BACKSTOP AND DUGOUT NETTING: PROVIDE ONE OF THE FOLLOWING PRODUCTS:
1. #18 DYNEEMA, 100% RAW ALLIED SIGNAL DYNEEMA SK75 FIBERS, 1 ¾" X 1 ¾" MESH SIZE, BREAKING STRENGTH IS 352 LBF, YIELD 1,330 FT./LB., 9,600 TOTAL DENIER, 5/16" BLACK TWISTED POLYETHYLENE ROPED EDGE, TREATED TO PROVIDE ADDITIONAL UV AND WEATHER PROTECTION.
2. #30 KNOTTED NYLON, SOLUTIA TYPE 66 NYLON SEINE TWINE STRANDS, 1 ¾" X 1 ¾" MESH SIZE, BREAKING STRENGTH IS 300 LBF, YIELD 628 FT./LB., 17,640 TOTAL DENIER, 5/16" BLACK TWISTED POLYETHYLENE ROPED EDGE, TREATED TO PROVIDE ADDITIONAL UV AND WEATHER PROTECTION.

B. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS FROM THE FOLLOWING:
1. STADIUM BACKSTOP, DUGOUT NETTING, AND BATTING TUNNELS:

A. C&H BASEBALL, INC. 10615 TECHNOLOGY TERRACE, LAKEWOOD RANCH, FL 34211 (800) 248-5192; (941) 727-0588 FAX; INFO@CHBASEBALL.COM

B. MODEL NUMBER: BSN100 - BACKSTOP NETTING.

2.2 PROTECTIVE PADDING

A. VERTICAL AND HORIZONTAL POST AND RAIL PADDING
1. STYLE: 18OZ. UV PROTECTED VINYL WRAPPED FOAM PADDING
2. THICKNESS: 2"
3. FASTENING: LACING TWINE, AND OR ZIP-TIE
4. COLOR: MANUFACTURE'S FULL RANGE

B. WALL PADDING
1. STYLE: 18OZ. UV PROTECTED VINYL WRAPPED FOAM PADDING
2. THICKNESS: 3"
3. FASTENING: Z-CLIP BRACKET
4. COLOR: MANUFACTURE'S FULL RANGE

C. COLUMN WRAP
1. STYLE: 18OZ. UV PROTECTED VINYL WRAPPED FOAM PADDING
2. THICKNESS: 2"
3. FASTENING: LACING TWINE, AND OR ZIP-TIE
4. COLOR: MANUFACTURE'S FULL RANGE

D. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS FROM THE FOLLOWING:
1. RICHARDSON ATHLETICS
2. SPORTS FIELD SPECIALTIES

PART 3 - EXECUTION

3.1 EXAMINATION

A. EXAMINE SUBSTRATES, AREAS, AND CONDITIONS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR LAYOUT, ALIGNMENT OF MOUNTING SUBSTRATES, INSTALLATION TOLERANCES, OPERATIONAL CLEARANCES, ACCURATE LOCATIONS OF CONNECTIONS TO BUILDING, AND OTHER CONDITIONS AFFECTING PERFORMANCE.
1. VERIFY CRITICAL DIMENSIONS.
2. EXAMINE SUPPORTING STRUCTURE AND FOOTINGS.
3. EXAMINE WALL ASSEMBLIES, WHERE REINFORCED TO RECEIVE ANCHORS AND FASTENERS, TO VERIFY THAT LOCATIONS OF CONCEALED REINFORCEMENTS HAVE BEEN CLEARLY MARKED. LOCATE REINFORCEMENTS AND MARK LOCATIONS.
4. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.2 INSTALLATION, GENERAL

A. GENERAL: COMPLY WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND COMPETITION RULES INDICATED FOR EACH TYPE OF EQUIPMENT. COMPLETE EQUIPMENT FIELD ASSEMBLY, WHERE REQUIRED.

B. UNLESS OTHERWISE INDICATED, INSTALL EQUIPMENT AFTER OTHER FINISHING OPERATIONS, HAVE BEEN COMPLETED.

C. PERMANENTLY PLACED EQUIPMENT AND COMPONENTS: RIGID, LEVEL, PLUMB, SQUARE, AND TRUE; ANCHORED SECURELY TO SUPPORTING STRUCTURE; POSITIONED AT LOCATIONS AND ELEVATIONS INDICATED ON SHOP DRAWINGS; IN PROPER RELATION TO ADJACENT CONSTRUCTION; AND ALIGNED WITH REQUIRED STADIUM LAYOUT.

3.3 BACKSTOP AND DUGOUT NETTING

A. BACKSTOP NETTING: INSTALL NET SO NET PATTERN IS HORIZONTAL AND VERTICAL.

B. DUGOUT NETTING: LACE NET TO ALL PERIMETER RAILS USING TREATED TWINE WITH A TENSILE STRENGTH EQUAL TO OR GREATER THAN THE NET.

3.4 ADJUSTING

A. ADJUST MOVABLE COMPONENTS OF EQUIPMENT TO OPERATE SAFELY, SMOOTHLY, EASILY, AND QUIETLY, FREE FROM BINDING, WARP, DISTORTION, NONALIGNMENT, MISPLACEMENT, DISRUPTION, OR MALFUNCTION, THROUGHOUT ENTIRE OPERATIONAL RANGE.

3.5 CLEANING

A. AFTER COMPLETING EQUIPMENT INSTALLATION, INSPECT COMPONENTS. REMOVE SPOTS, DIRT, AND DEBRIS AND TOUCH UP DAMAGED SHOP-APPLIED FINISHES ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.

B. REPLACE EQUIPMENT AND FINISHES THAT CANNOT BE CLEANED AND REPAIRED, IN A MANNER APPROVED BY ARCHITECT, BEFORE TIME OF SUBSTANTIAL COMPLETION.

END OF SECTION 116620

SECTION 11 68 33 ATHLETIC FIELD EQUIPMENT

PART 1 GENERAL

1.01 WORK INCLUDED

A. PROVIDE ALL EQUIPMENT AND MATERIALS, AND DO ALL WORK NECESSARY TO FURNISH AND INSTALL THE ATHLETIC EQUIPMENT, AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN. ATHLETIC EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO:
1. GD8X32 - GAMESHADE® DUGOUT 8'W X 32'L
2. GD8X24 - GAMESHADE® DUGOUT 8'W X 24'L

1.02 REFERENCES

A. COMPLY WITH APPLICABLE REQUIREMENTS OF THE FOLLOWING STANDARDS. WHERE THESE STANDARDS CONFLICT WITH OTHER SPECIFIED REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
1. NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA)
2. AMERICAN SPORTS BUILDERS ASSOCIATION (ASBA)
3. MANUFACTURERS DATA AND RECOMMENDED INSTALLATION REQUIREMENTS

1.03 SUBMITTALS

A. MANUFACTURERS PRODUCT DATA
1. PROVIDE MANUFACTURERS PRODUCT DATA PRIOR TO ACTUAL FIELD INSTALLATION WORK, FOR ARCHITECTS OR OWNERS REPRESENTATIVES REVIEW.

B. SHOP DRAWINGS
1. PROVIDE DRAWINGS OF THE MANUFACTURERS RECOMMENDED INSTALLATION AND FOUNDATION REQUIREMENTS PRIOR TO ACTUAL FIELD INSTALLATION WORK, FOR ARCHITECTS OR OWNERS REPRESENTATIVES REVIEW.

1.04 QUALITY ASSURANCE

A. MANUFACTURERS WARRANTIES SHALL PASS TO THE OWNER AND CERTIFICATION MADE THAT THE PRODUCT MATERIALS MEET ALL APPLICABLE GRADE TRADEMARKS OR CONFORM TO INDUSTRY STANDARDS AND INSPECTION REQUIREMENTS.

1.05 PRODUCT DELIVERY AND STORAGE

A. MATERIALS DELIVERED TO THE SITE SHALL BE EXAMINED FOR DAMAGE OR DEFECTS IN SHIPPING. ANY DEFECTS SHALL BE NOTED AND REPORTED TO THE OWNERS REPRESENTATIVE. REPLACEMENTS, IF NECESSARY, SHALL BE IMMEDIATELY REORDERED, SO AS TO MINIMIZE ANY CONFLICT WITH THE CONSTRUCTION SCHEDULE. SOUND MATERIALS SHALL BE STORED ABOVE GROUND UNDER PROTECTIVE COVER OR INDOORS SO AS TO PROVIDE PROPER PROTECTION.

PART 2 PRODUCTS

2.01 GAMESHADE® DUGOUT

A. BASE: GD8X32 - GAMESHADE® DUGOUT 8'W X 32'L AND 8'W X 24'L AS MANUFACTURED AND SUPPLIED BY:

SPORTSFIELD SPECIALTIES, INC.
P.O. BOX 231
41155 STATE HIGHWAY 10
DELHI, NY 13753
P. 607-746-1460
WWW.SPORTSFIELDSPECIALTIES.COM

B. DESIGN CRITERIA:
1. BUILDING CODE: ASCE 7-10
2. MAXIMUM WIND SPEED RATING: 140MPH, EXPOSURE CATEGORY C
3. MAXIMUM GROUND SNOW LOAD: 60PSF
4. SEISMIC DESIGN: CATEGORY E, SS=1.5G, S1=0.75G
5. ROOF PITCH: 2" RISE BACK-TO-FRONT

C. COMPONENTS:
1. GAMESHADE® DUGOUT:

A. OVERALL DIMENSIONS: 8'W X 32'L AND 8'W X 24'L

B. STRUCTURAL COLUMNS FABRICATED OF:

I. 3-1/2" X 3-1/2" X 3/16" (0.1875") STRUCTURAL STEEL TUBE WITH FACTORY PRE-DRILLED 9" X 9" X 5/8" (0.625") A36 STEEL BASE MOUNTING PLATES AND 9" X 9" X 5/8" (0.625") A36 STEEL ROOF AND COLUMN CAP PLATES

II. FULLY WELDED CONSTRUCTION

III. MAXIMUM ALLOWABLE SPACING BETWEEN STRUCTURAL STEEL COLUMNS IS FIFTEEN (15') ON-CENTER

C. ROOF FRAME FABRICATED OF:

I. 5" X 2" X 3/16" (0.1875") STRUCTURAL STEEL RECTANGULAR PERIMETER, TRANSVERSE, AND LONGITUDINAL ROOF TUBES

II. FULLY WELDED CONSTRUCTION

D. STRUCTURAL STEEL COLUMNS AND ROOF FRAME RECEIVE A POWDER COATED PRIMER AND COATED FINISH, VARIOUS STANDARD AND CUSTOM COLORS AVAILABLE

E. ROOFING MATERIAL IS 29 GAUGE, CLASSIC RIB® STYLE CORRUGATED METAL WITH J-CHANNEL DRIP CAP INSTALLED ON FRONT AND SIDES, VARIOUS STANDARD PAINT FINISH COLORS AVAILABLE

F. STRUCTURAL COLUMNS ATTACHED TO ROOF STRUCTURE WITH GALVANIZED HARDWARE

G. INCLUDES CARBON STEEL ANCHORING HARDWARE, EPOXY AND LIFTING EYE BOLTS

H. MODEL SPECIFIC HARDWARE KIT AND INSTALLATION INSTRUCTIONS

I. PROVIDE STAMPED AND SEALED DRAWINGS AND CALCULATIONS BY A LICENSED PROFESSIONAL ENGINEER OF RECORD IN THE STATE OF PROJECT LOCATION

J. BOLT-TOGETHER CONNECTION - PROVIDE MANUFACTURER'S STANDARD CONNECTION FOR JOINING MULTIPLE MODULAR UNITS. ENSURE SEAM IS WEATHER TIGHT.

PART 3 EXECUTION

3.01 INSTALLATION OF EQUIPMENT

A. ALL DUGOUTS SHALL BE INSTALLED AS RECOMMENDED PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND AS INDICATED ON THE DRAWINGS. CONCRETE ANCHORING FOUNDATIONS TO BE DETERMINED BY OTHERS BASED ON LOCAL SOIL CONDITIONS AND BUILDING CODES. INSTALLER SHOULD HAVE A MINIMUM OF FIVE (5) DUGOUT INSTALLATIONS OR SIMILAR EXPERIENCE IN THE PREVIOUS THREE (3) YEARS.

END OF SECTION

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1	05.11.23	PLANNING BOARD SUB.
2	08.23.23	OWNER'S NAME UPDATE

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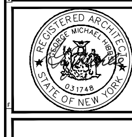

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ATHLETIC FIELD
IMPROVEMENTS

555 BROADWAY, DOBBS FERRY, NY 10522

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CHECKED BY:	GH

SHEET TITLE:
SPECIFICATIONS

DRAWING NO.:

G-2

CCH PROJECT NO: 2306

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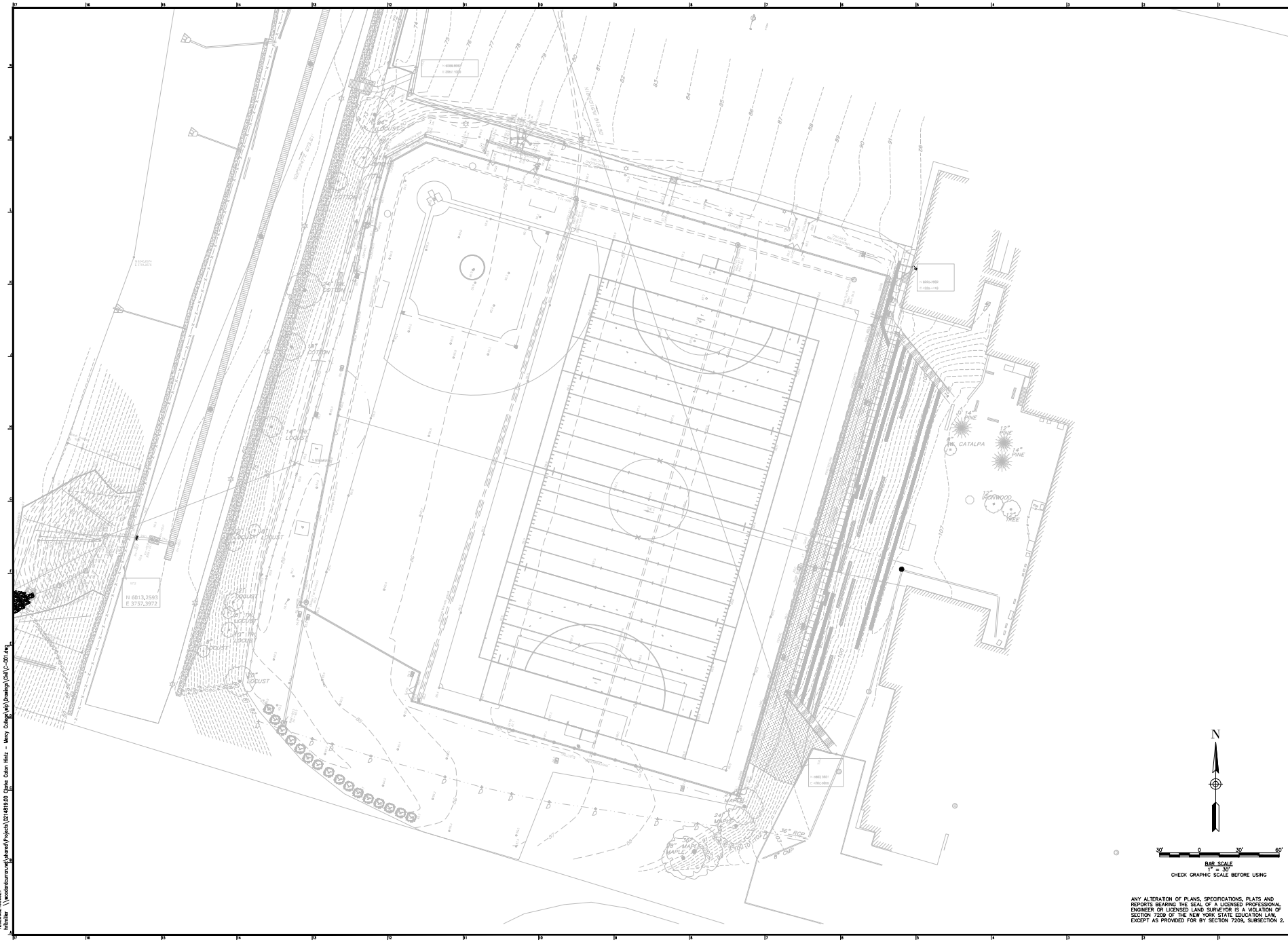

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SHEET TITLE:
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CCH PROJECT NO: 2306

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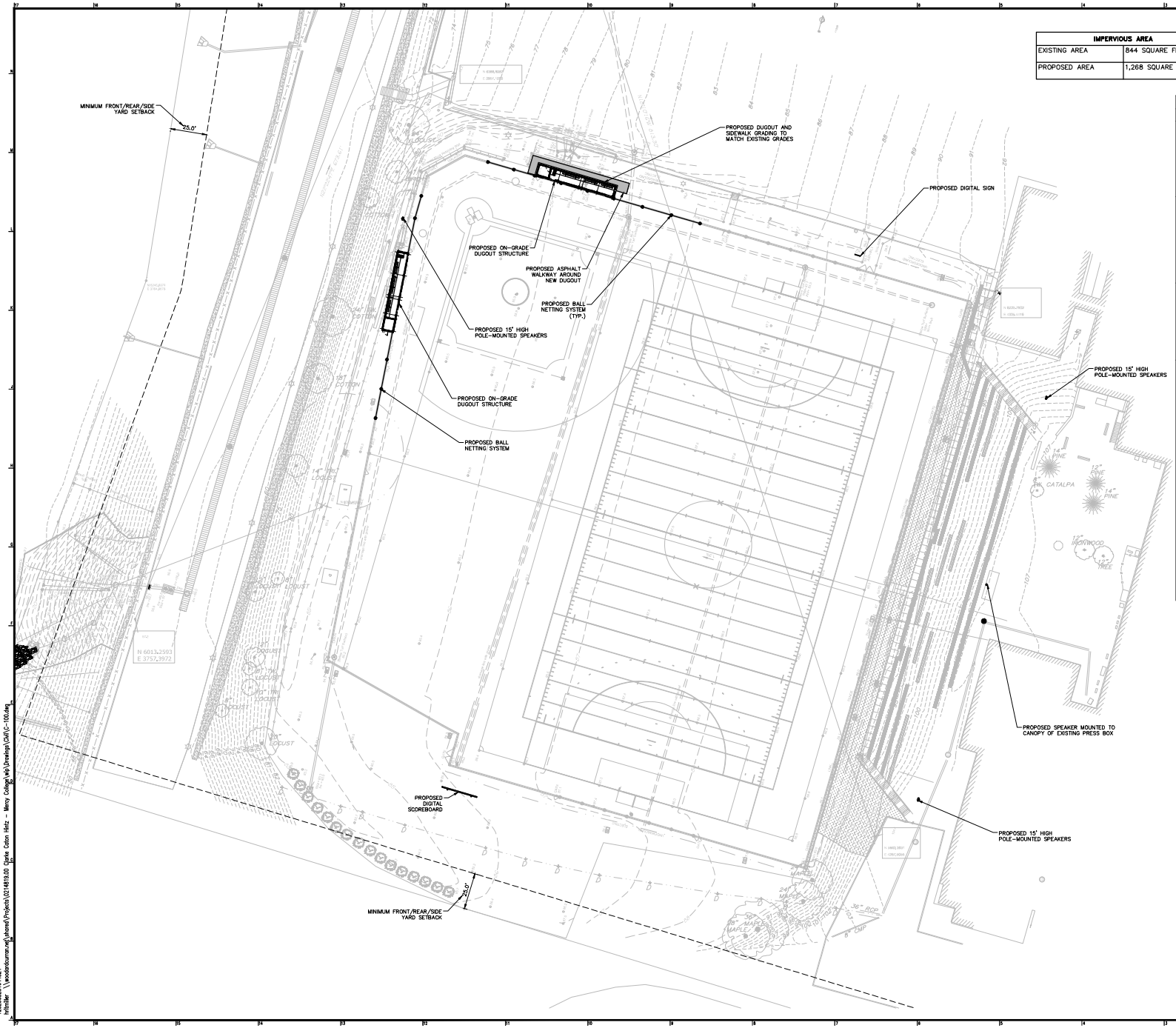

IMPERVIOUS AREA	
EXISTING AREA	844 SQUARE FEET
PROPOSED AREA	1,268 SQUARE FEET

GRADING & DRAINAGE NOTES:

1. EXISTING DRAINAGE PATTERNS TO REMAIN UNCHANGED.
2. PROPOSED DUGOUT AREAS TO BE FLUSH WITH GRADE. NO GUTTERS PROPOSED.

ZONING TABLE

REQUIREMENT		EI	EXISTING	PROPOSED
LOT SIZE	MINIMUM LOT SIZE	–	N/A	N/A
	MINIMUM LOT AREA PER DWELLING UNIT (SQUARE FEET)²	40,000	N/A	N/A
BUILDING HEIGHT	MAXIMUM STORIES	4	N/A	N/A
	MAXIMUM HEIGHT (FEET)	50	N/A	N/A
	MINIMUM STORIES	–	N/A	N/A
	MINIMUM HEIGHT (FEET)	–	N/A	N/A
LOT COVERAGE	MAXIMUM LOT COVERAGE BY BUILDING	50%	N/A	N/A
	MAXIMUM LOT COVERAGE BY IMPERVIOUS COVER	80%	15.26 ACRES (43.58%)	15.27 ACRES (43.60%)
SETBACKS	MINIMUM FRONT YARD SETBACK (FEET)	25	216'–1"	216'–1"
	MAXIMUM FRONT YARD SETBACK (FEET)	–	N/A	N/A
	MINIMUM REAR YARD SETBACK (FEET)	25	388'–9"	364'–8"
	MINIMUM SIDE YARD SETBACK (EACH) (FEET)	10	167'–8"	167'–8"
	MINIMUM SIDE YARD SETBACK (BOTH) (FEET)	25	167'–8"	167'–8"
	MAXIMUM SIDE YARD SETBACK (EACH) (FEET)	–	N/A	N/A

N

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LAYOUT & MATERIALS PLAN

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CCH PROJECT NO: 2306

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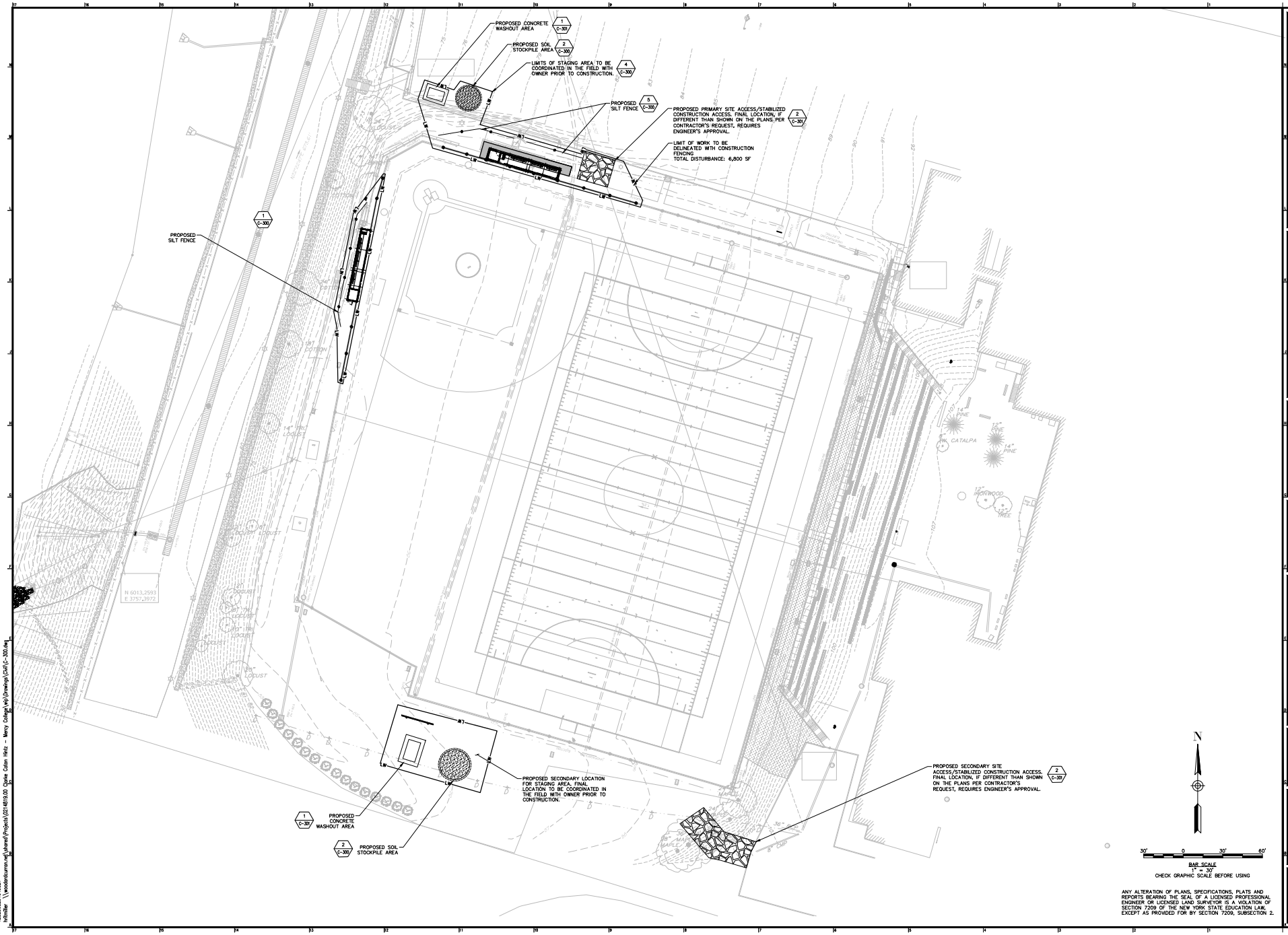

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SHEET TITLE:
EROSION & SEDIMENT CONTROL PLAN

DRAWING NO.:
C-200

CCH PROJECT NO: 2306

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EROSION CONTROL NOTES:

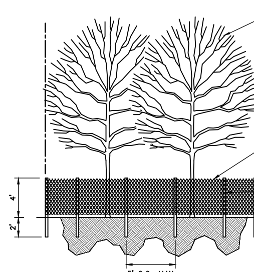
1. ALL E&SC MEASURES SHALL BE INSTALLED AND MAINTAINED PER NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, DATED NOVEMBER 2016.
2. ANY IMPORTED TOPSOIL SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR QUALITY AND USE.
3. OFF-SITE DISPOSAL OF EXCESS CUT SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.
4. SITE STABILIZATION (80% UNIFORM DENSITY OF PERMANENT VEGETATION OR PERMANENT MULCH/STONE) MUST BE ACHIEVED PRIOR TO REMOVING TEMPORARY EROSION CONTROL MEASURES.
5. ALL PROPOSED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS INDICATED ON THE PLANS, AND IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL," DATED AUGUST 2005.
6. UPON STABILIZATION OF SOIL, ANY SOIL NOT PROVIDING AN ADEQUATE ENVIRONMENT FOR PERMANENT VEGETATION SHALL BE REMOVED AND REPLACED, OR TREATED IN A MANNER THAT WILL DEEM IT SUITABLE FOR VEGETATIVE GROUNDCOVER. NON-VEGETATIVE PRACTICES OF PERMANENT STABILIZATION WILL HAVE TO BE IMPLEMENTED IF REMOVAL OR TREATMENT OF SOIL WILL NOT ESTABLISH VEGETATION.
7. ADDITIONAL SOIL STABILIZATION WILL BE REQUIRED IF THERE IS THE POSSIBILITY OF WIND EROSION.
8. SEDIMENT AND DEBRIS DROPPED, WASHED, SPILLED OR TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS OR OTHER HARDSCAPE SURFACES SHALL IMMEDIATELY BE REMOVED.
9. EXISTING LAWN AREAS THAT WERE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED.

SCHEDULE OF TEMPORARY EROSION CONTROL MEASURES:

MEASURE	DATES FOR USE	TIMING, ACTIVITY, AND LOCATION
SILT FENCE/ CONSTRUCTION FENCE	ALL	CONTRACTOR TO INSTALL CONSTRUCTION AND SILT FENCE PRIOR TO THE START OF ANY EXCAVATION AND/OR FILLING ON THE SITE. SILT FENCE SHALL BE INSTALLED AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN AND DETAIL SHEETS, AND SHALL BE MAINTAINED IN EFFECTIVE OPERATING CONDITION THROUGHOUT THE CONSTRUCTION PROCESS. ALL STOCKPILES OF DIRT SHALL BE RIMMED WITH SILT FENCE IN ADDITION TO BEING TEMPORARILY SEEDED. DAMAGED SECTIONS OF SILT FENCE SHALL BE REPLACED IMMEDIATELY. FENCING SHALL BE REMOVED ONLY AFTER ALL CONSTRUCTION HAS BEEN COMPLETED AND ALL AREAS HAVE BEEN PERMANENTLY STABILIZED.
DUST CONTROL	ALL	DURING DRY WEATHER, FOR AREAS OF EXPOSED SOIL WHERE IT IS NOT FEASIBLE TO ESTABLISH TEMPORARY GROUND COVER DUE TO CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL WET AREAS WITH WATER AT LEAST TWICE A DAY IN ORDER TO CONTROL DUST. THE MOISTENING OF SUCH AREAS MAY BE INCREASED TO FOUR TIMES A DAY DURING PERIODS OF LITTLE RAIN AS DETERMINED BY THE ENGINEER AND/OR THE CONTRACTOR.
TEMPORARY SEEDING	ALL	CONTRACTOR SHALL TEMPORARILY SEED ALL EXPOSED AREAS OF SOIL THAT WILL NOT RECEIVE PERMANENT SURFACE TREATMENT IMMEDIATELY (WITHIN SEVEN DAYS) AND ALL PILES OF DIRT AND SOIL STOCKPILES. GRASS SEED MIX FOR EROSION AND SEDIMENT CONTROL MAY BE APPLIED BY EITHER MECHANICAL OR HYDROSEEDING METHODS. HYDROSEEDING SHALL BE PERFORMED IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF NURSERYMAN, AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION. SEEDING RATES AND DATES OF APPLICATION SHALL BE DETERMINED AS FOLLOWS.
	APRIL 1–JULY 1 AUGUST 15–SEPT. 15	SEED MIXTURE: WINTER RYE APPLIED RATE: 2.6 LBS/1,000 S.F.
	APRIL 1–JULY 1	SEED MIXTURE: ANNUAL RYEGRASS APPLIED RATE: 0.9 LBS/1,000 S.F.
	MAY 15– AUGUST 15	SEED MIXTURE: ANNUAL RYEGRASS APPLIED RATE: 0.9 LBS/1,000 S.F.
	SEPTEMBER 15– OCTOBER 15	SEED MIXTURE: WINTER RYE APPLIED RATE: 2.6 LBS/1,000 S.F.
MULCH	APRIL 1 – NOVEMBER 30	ON ALL AREAS OF EXPOSED SOIL WHICH WILL NOT BE DISTURBED AGAIN WITHIN 7 DAYS, APPLY AT A RATE OF 1.5 TO 2.0 TONS PER ACRE.
WINTER MULCH	DECEMBER 1 – MARCH 31	ON ALL AREAS OF EXPOSED SOIL WHICH WILL NOT BE DISTURBED AGAIN WITHIN 7 DAYS, APPLY AT A RATE OF 3.0 TO 4.0 TONS PER ACRE.. EROSION CONTROL BLANKET MAY BE USED AS A SUBSTITUTE FOR WINTER MULCH.
INSPECTIONS	UNTIL SITE IS PERMANENTLY STABILIZED	ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR IMMEDIATELY AFTER EACH RAINFALL EVENT AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR. SEDIMENT DEPOSITS SHALL BE REMOVED BY THE CONTRACTOR WHEN THEY REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE SILT FENCE. SEDIMENTS SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT RESULT IN ADDITIONAL EROSION OR POLLUTION.

SCHEDULE OF PERMANENT EROSION CONTROL MEASURES:

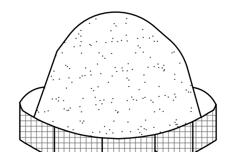
MEASURE	DATES FOR USE	TIMING, ACTIVITY, AND LOCATION
PAVEMENT – BASE COURSE/ FINAL COURSE	WHEN OUTSIDE AMBIENT TEMP. IS ABOVE 40°F	INSTALL ONLY IN AREAS SHOWN ON THE PLAN, SHORTLY AFTER PAVEMENT BASE IS BROUGHT TO FINAL GRADE. INSTALL NEAR COMPLETION OF PROJECT.
PERMANENT SEEDING	APRIL 15 TO SEPT. 15	ON FINAL GRADE AREAS, WITHIN 10 DAYS OF FINAL GRADE PREPARATION. PREPARE TOPSOIL, FOLLOWED WITH SEEDING AND MULCH APPLICATION. PERMANENT VEGETATION MUST BE SEEDED OR SODDED ON ALL EXPOSED AREAS. MULCH MUST BE USED AS NECESSARY FOR PROTECTION, UNTIL SEEDING IS ESTABLISHED.
DORMANT SEEDING	SEPT. 16 TO APRIL 15	ON FINAL GRADE AREAS, WITH PREPARED TOPSOIL. APPLY SEED AT DOUBLE THE SPECIFIED RATE, ON BARE SOIL, AND FOLLOW WITH AN APPLICATION OF WINTER MULCH.



NOTES:

1. LOCATE FENCING AS SHOWN ON PLANS.
2. NO MATERIAL OR EQUIPMENT SHALL BE STORED OR STOCKPILED WITHIN THE AREA SURROUNDED BY TREE PROTECTION FENCING.
3. FENCE MUST REMAIN AND BE MAINTAINED THROUGHOUT ENTIRE BUILDING PHASES DURING WHICH CONSTRUCTION MAY AFFECT TREES.

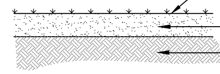
1 / C-300 **TREE PROTECTION**
NOT TO SCALE



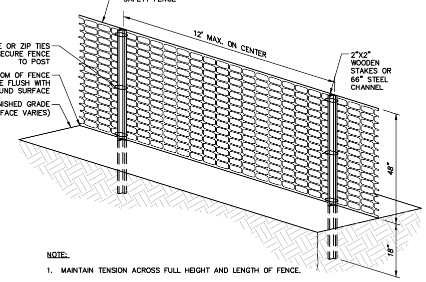
NOTES:

1. ALL STOCKPILES SHALL BE SURROUNDED BY SILT FENCING.
2. STOCKPILES SHALL HAVE A MAXIMUM 2:1 (H:V) SIDE SLOPE.
3. REPAIR/OR REPLACE ANY SILT FENCING DAMAGED DUE TO CONSTRUCTION ACTIVITIES OR STOCKPILE MITIGATION.
4. STOCKPILE SHALL BE LOCATED IN AREAS AS SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER.

2 / C-300 **TEMPORARY SOIL STOCKPILE**
NOT TO SCALE



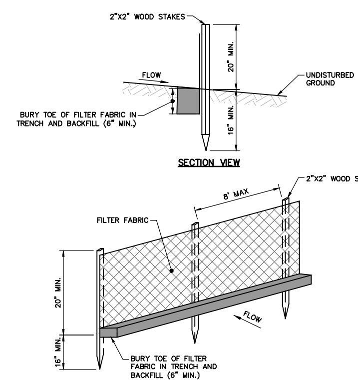
3 / C-300 **LAWN RESTORATION**
NOT TO SCALE



NOTE:

1. MAINTAIN TENSION ACROSS FULL HEIGHT AND LENGTH OF FENCE.
2. PROVIDE PERIODIC INSPECTION AND MAINTENANCE OF FENCE.
3. FENCE SHALL BE HIGH DENSITY ORANGE POLYETHYLENE SAFETY FENCE AS MANUFACTURED BY EROSION RUNNER® OR APPROVED EQUAL.

4 / C-300 **PLASTIC CONSTRUCTION SAFETY FENCE**
NOT TO SCALE



NOTES:

1. INSTALL FABRIC ON UPHILL SIDE OF WOOD STAKES.
2. SPACING BETWEEN WOOD STAKES PER MANUFACTURER'S RECOMMENDATION.
3. SILT FENCE WILL NOT BE USED IN DRAINAGE WAYS.
4. MAINTENANCE: INSPECT FOR TEARS IN THE FABRIC OR DAMAGE TO SUPPORTS. REPAIR AS NECESSARY. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES A DEPTH OF SIX-INCHES OR MORE.
5. REMOVAL: WHEN UPSLOPE AREAS ARE STABILIZED, THE STRUCTURE AND ANY ACCUMULATED SEDIMENT WILL BE REMOVED.

5 / C-300 **SILT FENCE**
NOT TO SCALE

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NO.	DATE	DESCRIPTION
1	05.11.23	PLANNING BOARD SUB.
2	08.23.23	OWNER'S NAME UPDATE

REVISIONS

STATE OF NEW YORK · STEVEN LAURIA · 085430 · LICENSED PROFESSIONAL ENGINEER

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DATE:	08/23/2023
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SHEET TITLE:
CIVIL CONSTRUCTION DETAILS

DRAWING NO.:
C-300

CCH PROJECT NO: 2306

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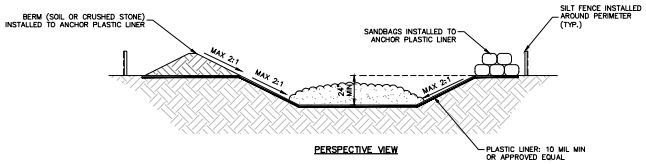
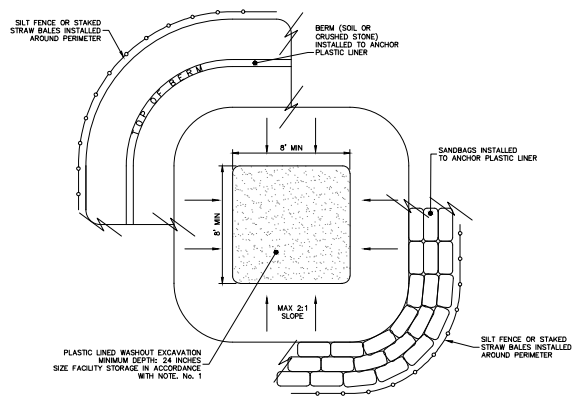


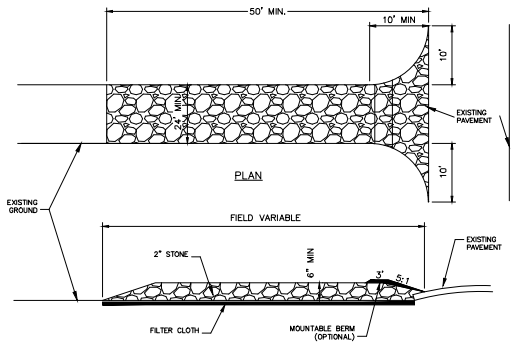
PERSPECTIVE VIEW



PLAN VIEW

1 / C-301 **CONCRETE WASHOUT FACILITY**

NOT TO SCALE



PROFILE

CONSTRUCTION SPECIFICATIONS:

1. USE 2" DIAMETER STONE OR RECLAIMED/RECYCLED CONCRETE EQUIVALENT.
2. RECOMMENDED LENGTH GREATER THAN 50 FEET WHERE PRACTICAL.
3. THICKNESS NOT LESS THAN 6 INCHES.
4. 24 FOOT MINIMUM WIDTH, BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCUR. CONTRACTOR SHALL PROVIDE 24" WIDTH WHEREVER POSSIBLE (WITHOUT DISTURBING EXISTING STRUCTURES OR EXISTING TREES TO REMAIN)
5. FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.

CONSTRUCTION SPECIFICATIONS:

6. ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WILL BE PERMITTED.
7. ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED BY THE CONTRACTOR.
9. REMOVE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO PLACEMENT OF BITUMINOUS CONCRETE PAVEMENT.

2 / C-301 **STABILIZED CONSTRUCTION ACCESS**

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NOTE: LIST OF ABBREVIATIONS ARE STANDARDS OF THIS OFFICE AND NOT ALL ARE USED.

ABBREVIATIONS:

A or AMP - AMPERE, AMPS
AC - ALTERNATING CURRENT
AF - AMPERE FRAME SIZE
AFF - ABOVE FINISHED FLOOR
AFG - ABOVE FINISHED GRADE
AIC - AMPS INTERRUPTING CURRENT
ALT - ALTERNATOR
AM - AMMETER
ANN - ANNUNCIATOR
AS - AMMETER SWITCH
ASV - AIR SOLENOID VALVE
AT - AMPERE TRIP RATING
ATS - AUTOMATIC TRANSFER SWITCH
AUX - AUXILIARY
AWG - AMERICAN WIRE GAUGE
BB - CK BOOST
BKR - BREAKER
BTS - BEARING TEMPERATURE SENSOR
C or COND - CONDUIT
C&W - CONDUIT & WIRE
CA - CABLE
CB - CIRCUIT BREAKER
CDRS - CONDUCTORS
CIRC - CIRCUIT
CLF - CURRENT LIMITING FUSE
COMP - COMPARTMENT
COR - CORROSION RESISTANT
CP - CONTROL PANEL
CPT - CONTROL POWER TRANSFORMER
CR - CONTROL RELAY
CT - CURRENT TRANSFORMER
DC - DIRECT CURRENT
DM - DAMPER MOTOR
DPSH - DIFFERENTIAL PRESSURE
DS - DISCONNECT SWITCH
EA - EACH
EC - ELECTRICAL CONTRACTOR
EMH - ELECTRICAL MANHOLE
EMT - ELECTRICAL METALLIC TUBING
EMTP - EMBEDDED MOTOR THERMAL PROTECTOR
ES - EMERGENCY SWITCH
ESTOP - EMERGENCY STOP
ETM - ELAPSED TIME METER
FA - FIRE ALARM
FIT - FLOW TRANSMITTER
FLEX - FLEXIBLE
FLOA - FLOAT SWITCH
FM - FORCE MAIN
FOSA - FAST-OFF-SLOW-AUTOMATIC
FOS - FAST-OFF-SLOW
FS - FLOW SWITCH
FSW - FUSED SWITCH
FVNR - FULL VOLTAGE NON REVERSING
FVR - FULL VOLTAGE REVERSING
FVTS - FULL VOLTAGE TWO SPEED
GC - GENERAL CONTRACTOR
GEN - GENERATOR
GENSET - EMERGENCY POWER GENERATOR
GFCI - GROUND FAULT CIRCUIT INTERRUPTER
GFI - GROUND FAULT INTERRUPTER
GRD - GROUND
HOA - HAND-OFF-AUTO SELECTOR SWITCH
HP - HORSE POWER
HV - HEATING AND VENTILATION
HFS - HIGH FLOAT SWITCH
IB/OB - INBOARD/OUTBOARD
IL - INDICATING LIGHT
I/0 - INPUT/OUTPUT
ISR - INTRINSICALLY SAFE RELAY
JB - JUNCTION BOX
JIC - JOINT INDUSTRIAL COUNCIL
KCMIL - THOUSAND CIRCULAR MILS
KSU - KEY SERVICE UNIT
KVA - KILOVOLT AMPERES
KW - KILOWATT
LA - LIGHTNING ARRESTOR
LC - LIGHTING CIRCUIT
LO - LOCKOUT
LS - LIMIT SWITCH
mA - MILLIAMPS
MAG - MAGNETIC
MAX - MAXIMUM

ABBREVIATIONS:

MCC - MOTOR CONTROL CENTER
MCP - MOTOR CIRCUIT PROTECTOR
MCS/ - MOLDED CASE SWITCH
T - THERMAL ONLY
M - MAGNETIC ONLY
AUTO - AUTOMATIC ONLY
MDP - MAIN DISTRIBUTION PANEL
MFR - MANUFACTURER
MIN - MINIMUM
MLO - MAIL LUGS ONLY
MMS - MANUAL MOTOR STARTER
MSS - MOTOR STARTING SWITCH
MTR - MOTOR TIMING RELAY
MWTS - MOTOR WINDING TEMPERATURE SENSOR
MWTP - MOTOR WINDING THERMAL PROTECTION
Mx - MOTOR CONTACTOR AUXILIARY CONTACT
NC - NORMALLY CLOSED
NEC - NATIONAL ELECTRIC CODE
NIMO - NIAGARA MOHAWK POWER
NO - NORMALLY OPEN
NP - NAMEPLATE
NYSEG - NEW YORK STATE ELECTRIC & GAS
OH/E - OVERHEAD ELECTRIC
OH/L - OVERHEAD TELEPHONE
OL - OVERLOAD RELAY
ϕ - PHASE
P - POLE
PB - PUSHBUTTON
PBx - PULL BOX
PF - PULLING FITTING
PLC - PROGRAMMABLE LOGIC CONTROLLER
PNL - PANEL
POT - POTENTIOMETER
PR - PAIR
PS - PRESSURE SWITCH
PT - POTENTIAL TRANSFORMER
R&R - REMOVE & REPLACE
RECP - RECEPTACLE
RGS - RIGID GALVANIZED STEEL CONDUIT
ROS - REMOTE OPERATING STATION
RV-AT - REDUCED VOLTAGE AUTO TRANSFORMER
RTU - REMOTE TERMINAL UNIT
SA - SURGE ARRESTOR
SCR - SILICON CONTROLLED RECTIFIER
SEC - SECOND
SEL or SEL SW - SELECTOR SWITCH
SHLD - SHIELDED
S/L - STOP/LOCKOUT SWITCH
SN - SOLID NEUTRAL
SS - STAINLESS STEEL
SSRVS - SOLID STATE REDUCED VOLTAGE STARTER
SSW - SAFETY SWITCH
S/S - STOP/START PUSH BUTTON
STR - STRANDED
SV - SOLENOID VALVE
SW - SWITCH
SWD - SWITCHING DUTY
SWSV - SEALWATER SOLENOID VALVE
TC - TERMINAL CABINET OR TIMED CLOSED
TDR - TIME DELAY RELAY
TERM - TERMINAL
TR - TIMER
TR.SW. - TRANSFER SWITCH
TR24 - 24-HOUR TIMER
TPR - TERTIARY PHOSPHOROUS REMOVAL
TS - TORQUE SWITCH
TSP - TWISTED SHIELDED PAIR
TST - TWISTED SHIELDED TRIAD
TYP - TYPICAL
UG/E - UNDERGROUND ELECTRIC
UG/T - UNDERGROUND TELEPHONE
UNK. - UNKNOWN
UPS - UNINTERRUPTIBLE POWER SUPPLY
VA - VOLT-AMPERES
VFD - VARIABLE FREQUENCY DRIVE
VM - VOLTMETER
VS - VOLTMETER SWITCH
VSC - VARIABLE SPEED CONTROL
VSH - VIBRATION SENSOR
W/ - WITH
WP - WEATHER PROOF, WATER PROOF
XP - EXPLOSION PROOF
2S1W - 2 SPEED, 1 WINDING
2S2W - 2 SPEED, 2 WINDING
XFMR - TRANSFORMER

GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH THE BUILDING CODE OF THE STATE OF NEW YORK AND ALL CODES LOCAL OR OTHERWISE HAVING JURISDICTION OVER THE WORK.
2. THE WORDS PROVIDE OR INSTALL, SINGLY OR IN COMBINATION SHALL MEAN FURNISH AND INSTALL.
3. THE CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
4. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF HIS WORK AND NEWLY INSTALLED OR EXISTING WORK, INCLUDING PROTECTION OF BUILDING OCCUPANTS, PUBLIC, AND PERSONNEL. PROVIDE APPROPRIATE BARRIERS, AND SAFETY GUARD RAILS AS REQUIRED.
5. NO SYSTEM SHALL BE SHUT DOWN WITHOUT PERMISSION OF THE OWNER/OWNER. ADEQUATE NOTICE SHALL BE GIVEN TO THE OWNER/OWNER, WHEN SYSTEM SHUTDOWN INVOLVES A TEMPORARY DISRUPTION TO SERVICES.
6. ANY DISRUPTION IN SERVICES SHALL BE KEPT TO A MINIMUM AND SHALL NOT BE IMPLEMENTED WITHOUT RECEIVING PRIOR WRITTEN APPROVAL OF THE OWNER/OWNER.
7. ALL WORK SHALL BE COORDINATED WITH THE OWNER AND ALL TRADES RELATED TO THE INSTALLATION OF THIS PROJECT.
8. THE CONTRACTOR SHALL TURN OVER TO THE OWNER AT THE COMPLETION OF ALL WORK, THREE (3) COPIES IN BOUND FORM OF OPERATING, MAINTENANCE, AND INSTRUCTION MANUALS WHICH SHALL INCLUDE ALL EQUIPMENT BROCHURES, PIPING AND WIRING DIAGRAMS, DRAWINGS, TEMPERATURE CONTROLS, AND STARTUP AND SHUTDOWN PROCEDURES OF ALL NEWLY INSTALLED EQUIPMENT.
9. THE CONTRACTOR SHALL FILE PLANS WITH GOVERNING AUTHORITIES HAVING JURISDICTION AND SHALL SECURE ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE INSTALLATION OF HIS WORK. ALL WORK TO BE INSPECTED BY 3RD PARTY INSPECTOR.
10. THE CONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORK INSTALLED TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR, AFTER ACCEPTANCE OF THE INSTALLATION BY THE ENGINEER AND OWNER. THE CONTRACTOR SHALL SUBMIT IN WRITING TO THE OWNER STATING SAME.
11. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, HIS REPRESENTATIVES AND THE ENGINEER FROM ANY CLAIMS OR SUITS RESULTING IN NEGLIGENCE ON THE PART OF THE CONTRACTOR AND FOR FAILING TO EXECUTE HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
12. THE CONTRACTOR SHALL PROVIDE ALL RIGGING, HOISTING AND SCAFFOLDING AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
13. ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AND WORKMAN EXPERIENCED IN THE TRADE HAVING JURISDICTION. ALL WORK SHALL BE SUPERVISED AT ALL TIMES AND WORKMANSHIP SHALL BE FIRST CLASS IN ALL RESPECTS.
14. ANY DEVIATION OR CHANGE IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER OR THE OWNER/OWNER. ANY WORK INSTALLED WITHOUT PRIOR APPROVAL OF THE ENGINEER OR OWNER/OWNER OR FOUND TO BE DEFECTIVE OR OF POOR QUALITY SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
15. ALL CONSTRUCTION WORK SHALL BE CONFINED TO THE AREA INDICATED ON PLANS.
16. ALL WORK SHALL BE PERFORMED DURING NORMAL WORKING HOURS: 8 A.M. TO 5 P.M. MONDAY THROUGH FRIDAY EXCEPT LEGAL HOLIDAYS OR FOR EMERGENCY REPAIRS, UNLESS DIRECTED OTHERWISE BY THE OWNER/OWNER. HOWEVER, THE CONTRACTOR MAY WORK EXTRA HOURS AS NEEDED TO COMPLETE THE CONTRACT SCOPE OF WORK AND MEET THE COMPLETION DATE AT NO ADDITIONAL COST TO OWNER, AS LONG AS THE OWNER/OWNER HAS BEEN PROPERLY NOTIFIED AND HAS APPROVED SAME.
17. PATCHING & REPAIR OF CONCRETE, SIDEWALK OR GROUND, ETC. SHALL MATCH EXISTING SURROUNDING AREA IN ALL RESPECTS. WORK AREA SHALL BE LEFT CLEAN AT THE END OF EACH DAY. ALL DISCARDED AND DEMOLISHED MATERIAL AND RUBBISH SHALL BE REMOVED FROM PREMISES DAILY IN A LEGAL AND APPROVED MANNER.
18. THE CONTRACTOR SHALL MAINTAIN ON THE JOB SITE A SET OF SHOP DRAWINGS IN WHICH ANY DEVIATIONS FROM THE ORIGINAL DESIGN SHALL BE NOTED. UPON COMPLETION OF THE INSTALLATION OF NEW WORK THE CONTRACTOR SHALL TURN OVER TO THE OWNER/OWNER AND ENGINEER (1) SET OF AS-BUILT REPRODUCIBLE DRAWINGS AND (1) SET OF PRINTS INCLUDING ALL APPROVED FIELD CHANGES AND DESIGN DEVIATIONS PRIOR TO RECEIPT OF FINAL PAYMENT BY OWNER.
19. ALL WORK SHOWN ON ALL DRAWINGS IS TO BE PROVIDED UNLESS OTHERWISE NOTED.
20. ALL DOWNSTREAM DEVICES AND EQUIPMENT WHICH BECOME DISCONNECTED DURING THIS CONSTRUCTIONS SHALL BE RECONNECTED AT NO COST TO THE OWNER. PROVIDE ALL CONDUIT AND WIRE AS REQUIRED
21. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AS WELL AS BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF THE WORK.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING REASONABLE PRECAUTIONS AND SHALL PROVIDE REASONABLE PROTECTION TO PREVENT INJURY OR DAMAGE TO PERSONS, THE WORK AND OTHER PROPERTY.

SCHEDULE OF LIGHTING FIXTURES

TYPE	LAMPS WATTS	MOUNTING	VOLTAGE	MANUFACTURER	REMARKS
A	LED 18W	SURFACE MOUNT	120V	HOLOPHANE EMS	4' WET LISTED ENCLOSED AND GASKETED LED LUMINAIRE WITH LOW PROFILE POLYCARBONATE LINEAL RIBBED FROSTED LENS 3000 LUMEN OUTPUT, 80 CRI AND MEDIUM LIGHTING DISTRIBUTION. OR APPROVED EQUAL

LEGEND

SYMBOL	DESCRIPTION
	EXISTING EQUIPMENT, DEVICE, CONDUIT, ETC.
	EQUIPMENT, DEVICE, CONDUIT, ETC. TO BE PROVIDED
	CIRCUIT BREAKER
	PANELBOARD
	15 POLE AND SPEAKER SYSTEM
30/--	DISCONNECT SWITCH (FRAME/FUSE)
	GROUND ROD
	CIRCUIT HOMERUN (120V) TO PANELBOARD
	CIRCUIT HOMERUN (208V/3Ø) TO PANELBOARD
A	STAGE LUMINAIRE
	120V 1Ø 20A QUADRUPLEX RECEPTACLE
WAP	WIRELESS ACCESS POINT

NOTE: ALL WORK IS TO BE PROVIDED UNLESS OTHERWISE NOTED

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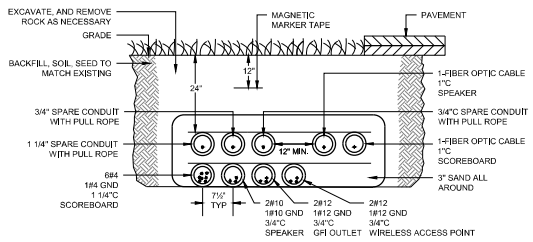
CHECKED BY:	GRL

SHEET TITLE:
ELECTRICAL NOTES, LEGEND, AND FIXTURE SCHEDULE

DRAWING NO.:
E-1

CCH PROJECT NO: 2306



1 / E-2 TRENCH DETAIL
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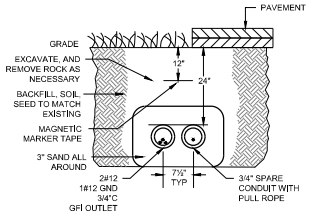

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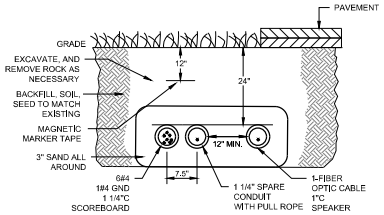

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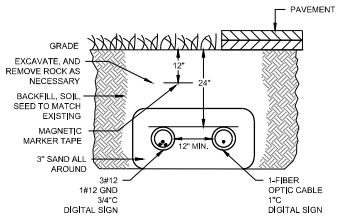

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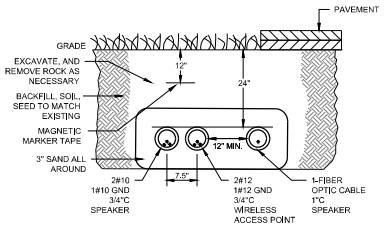

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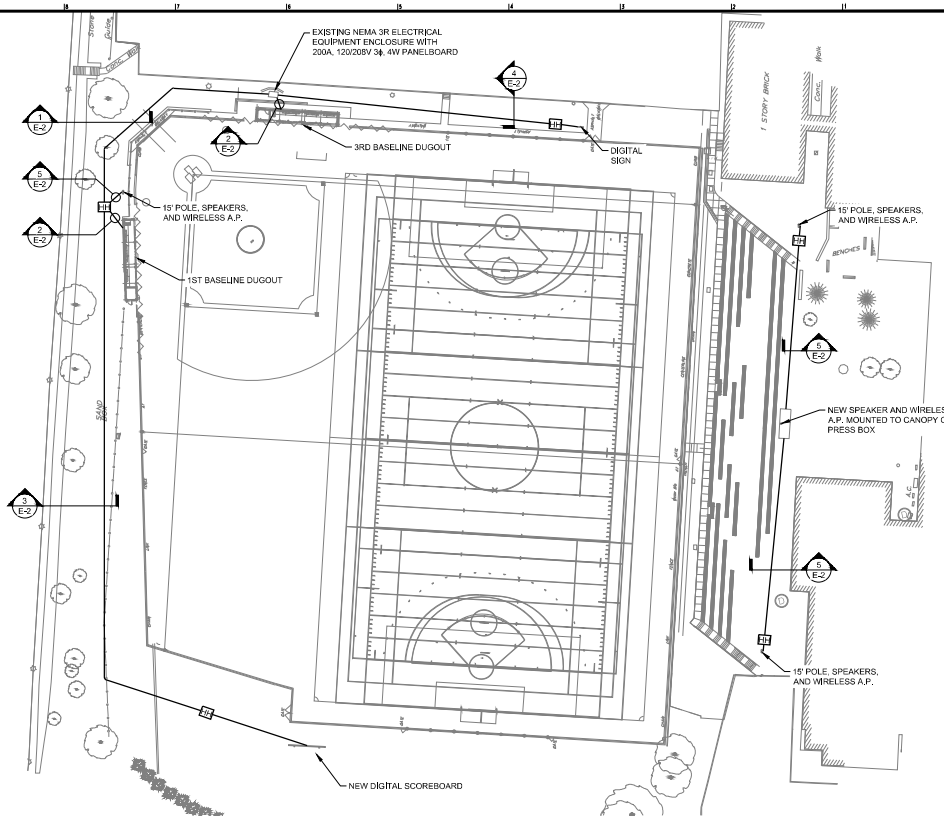
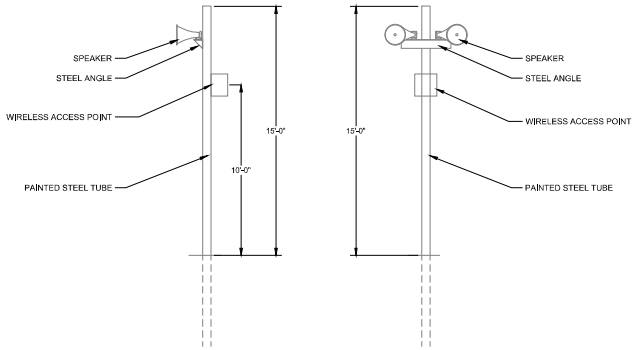


SITE PLAN
SCALE: 1" = 40'-0"



SPEAKER DETAIL
SCALE: N.T.S.

0 20 40 60 80'
SCALE 1"=40' AT ORIGINAL SIZE

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SUBMISSIONS		
NO.	DATE	DESCRIPTION
1	05.11.23	PLANNING BOARD SUB.
2	08.23.23	OWNER'S NAME UPDATE
REVISIONS		

STATE OF NEW YORK
ROBERT W. GRIFFIN
PROFESSIONAL ENGINEER

MERCY UNIVERSITY ATHLETIC FIELD IMPROVEMENTS

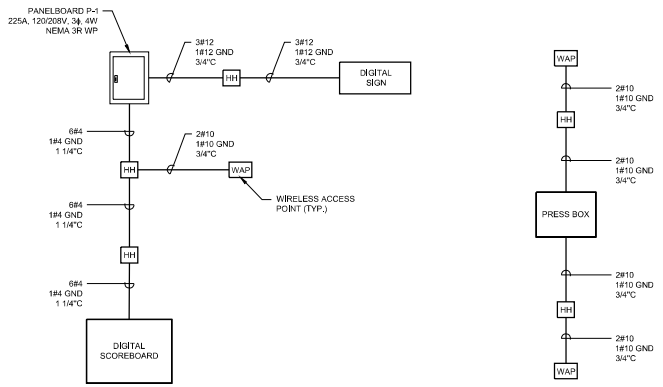
555 BROADWAY, DOBBS FERRY, NY 10522

DATE:	08/23/2023
SCALE:	AS NOTED
DRAWN BY:	DW
CHECKED BY:	GRL

SHEET TITLE:
SITE PLAN AND TRENCH DETAILS

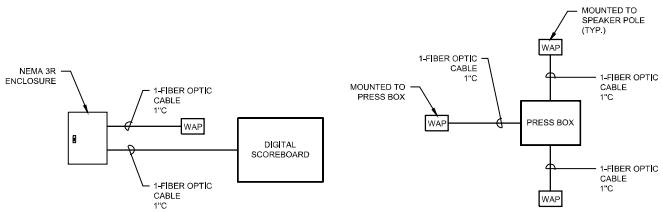
DRAWING NO.:
E-2

CCH PROJECT NO: 2306



POWER SINGLE LINE

SCALE: N.T.S.



NETWORK DIAGRAM

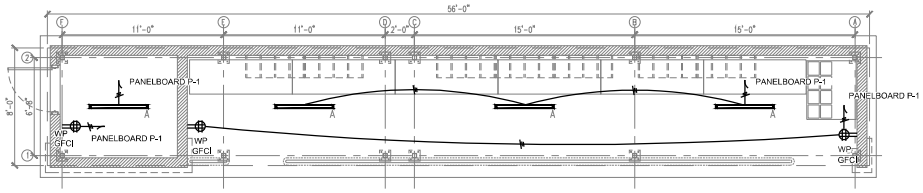
SCALE: N.T.S.

EXISTING PANELBOARD P-1 SCHEDULE

MAIN BUS RATINGS: 225A, 120/208 VOLTS, 3 PHASE, 4 WIRE
MINIMUM SHORTCIRCUIT INTERRUPTION RATING: 10,000 AIC
MAIN BREAKER TRIP: 225A
ESTIMATED CONNECTED LOAD: X KW

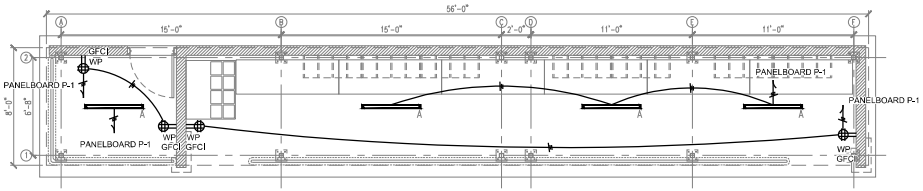
FED FROM: MAIN SWITCHGEAR
INCOMING FEED:
ENCLOSURE:

DESCRIPTION	LOAD KW	CB TRIP/POLE	CIR. NO		CIR. NO	CB TRIP/POLE	LOAD KW	DESCRIPTION
				A B C				
NEAR DUGOUT GFCI	0.5	20A/1P	1		2	20A/1P	0.1	NEAR DUGOUT LTG
FAR DUGOUT GFCI	0.5	20A/1P	3		4	20A/1P	0.1	FAR DUGOUT LTG
EXISTING LOAD	0.5	20A/1P	5		6	20A/1P	1.7	EXISTING LOAD
EXISTING LOAD	0.5	20A/1P	7		8	20A/1P	1.7	EXISTING LOAD
EXISTING LOAD	0.5	20A/1P	9		10	20A/1P	0.6	EXISTING LOAD
EXISTING LOAD	1.7	20A/1P	11		12	20A/1P	0.6	EXISTING LOAD
EXISTING LOAD	1.0	20A/1P	13		14	20A/1P	0.2	EXISTING LOAD
EXISTING LOAD	1.0	20A/1P	15		16	20A/1P	1.4	EXISTING LOAD
EXISTING LOAD	1.0	20A/1P	17		18	20A/1P	0.5	WIRELESS ACCESS POINT
EXISTING LOAD	1.0	20A/1P	19		20	20A/1P		SPARE
SCOREBOARD	8.0	50A/2P	21		22	20A/1P		SPARE
			23		24	20A/1P		SPARE
SCOREBOARD	8.0	50A/2P	25		26	20A/1P		SPARE
			27		28	20A/1P		SPARE
DIGITAL SIGN	0.5	20A/1P	29		30	20A/1P		SPARE



1ST BASELINE DUGOUT PLAN

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



3RD BASELINE DUGOUT PLAN

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

0 2'-0" 4'-0" 6'-0" 8'-0"
SCALE 1/4"=1'-0" AT ORIGINAL SIZE

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SUBMISSIONS

NO.	DATE	DESCRIPTION
1	05.11.23	PLANNING BOARD SUB.
2	08.23.23	OWNER'S NAME UPDATE

REVISIONS

STATE OF NEW YORK
GARY R. LINDSAY
PROFESSIONAL ENGINEER

MERCY UNIVERSITY
ATHLETIC FIELD
IMPROVEMENTS
555 BROADWAY, DOBBS FERRY, NY 10522

DATE:	08/23/2023
SCALE:	AS NOTED
DRAWN BY:	DW
CHECKED BY:	GRL

SHEET TITLE:
SINGLE LINE DIAGRAMS, FLOOR PLANS, AND SCHEDULE

DRAWING NO.:
E-3

CCH PROJECT NO: 2306

A17 ARCHITECTURAL SITE PLAN

1" = 20'-0"

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1	05.11.23	PLANNING BOARD SUB.
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REVISIONS

REGISTERED ARCHITECT
GIOVANNI MICHAEL TRIBOLI
031748
STATE OF NEW YORK

MERCY UNIVERSITY ATHLETIC FIELD IMPROVEMENTS

555 BROADWAY, DOBBS FERRY, NY 10522

DATE:	08/23/2023
SCALE:	AS NOTED
DRAWN BY:	JCG
CHECKED BY:	GH

SHEET TITLE:
LOCATION PLAN

DRAWING NO.:
A-0

CCH PROJECT NO: 2306

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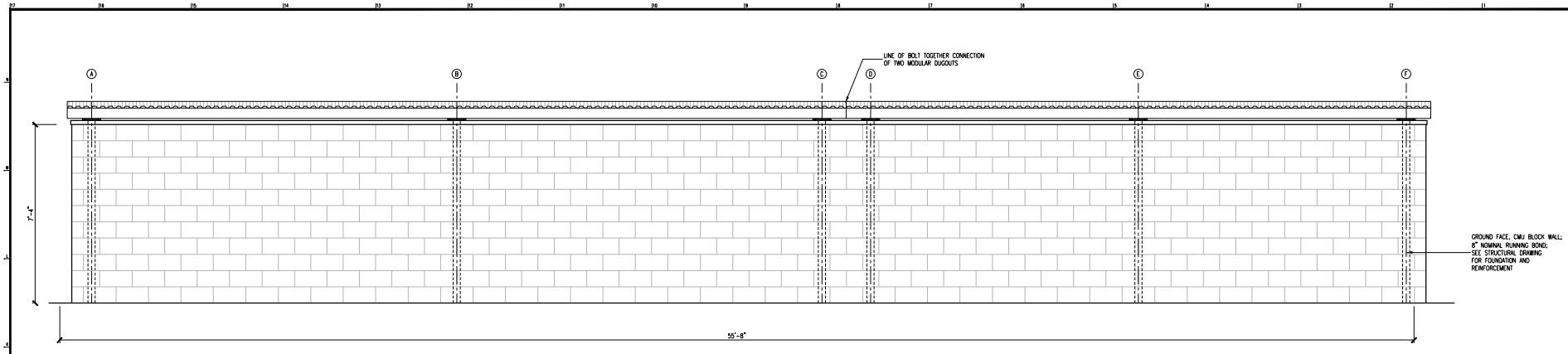
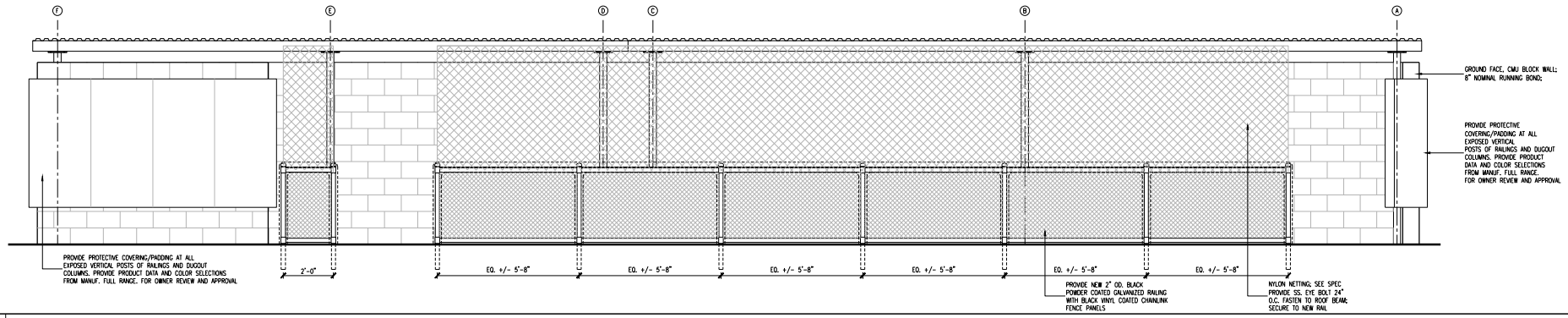


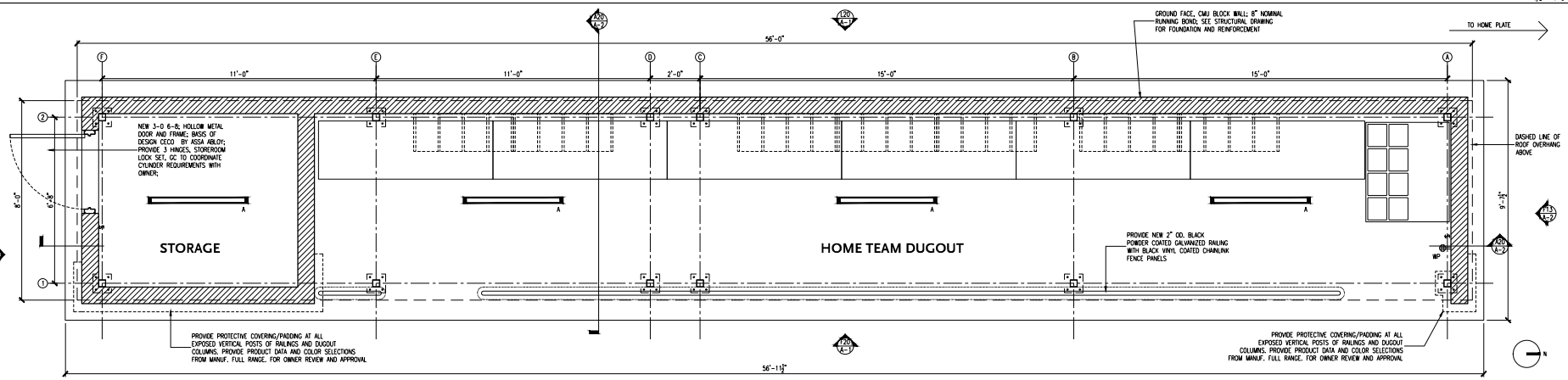
L20 1ST BASE LINE DUGOUT - ELEVATION

1/2" = 1'-0"



F20 1ST BASE LINE DUGOUT - FIELD ELEVATION

1/2" = 1'-0"



A20 1ST BASE LINE DUGOUT PLAN

1/2" = 1'-0"

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NO.	DATE	DESCRIPTION
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2	08.23.23	OWNER'S NAME UPDATE

REVISIONS

REGISTERED ARCHITECT
GIBBARD MICHAEL HINTZ
031748
STATE OF NEW YORK

MERCY UNIVERSITY ATHLETIC FIELD IMPROVEMENTS

555 BROADWAY, DOBBS FERRY, NY 10522

DATE:	08/23/2023
SCALE:	AS NOTED
DRAWN BY:	JCG
CHECKED BY:	GH

SHEET TITLE:
1ST BASE LINE DUGOUT

DRAWING NO.:
A-1

CCH PROJECT NO: 2306

12/23/2022 9:33:20 AM
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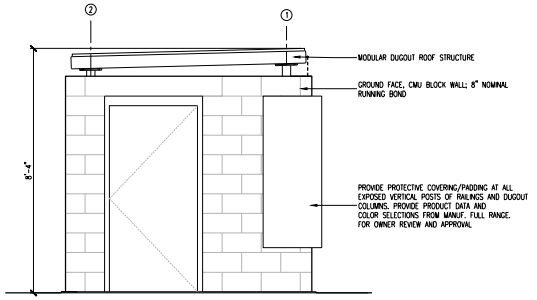
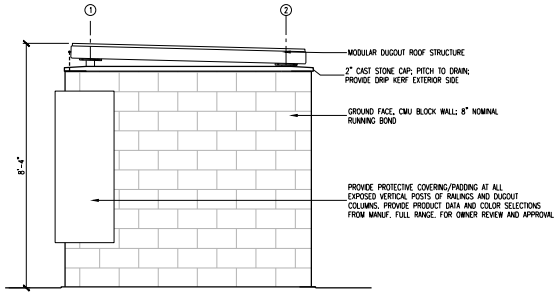
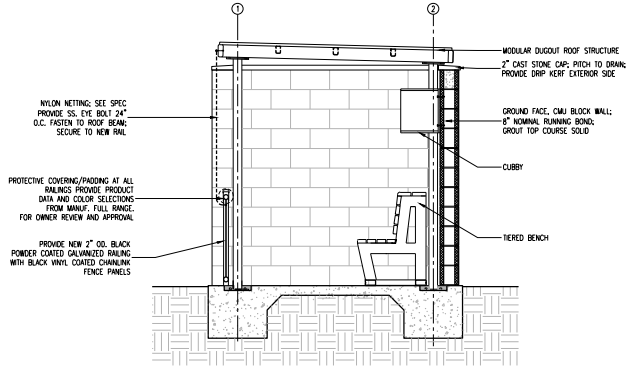


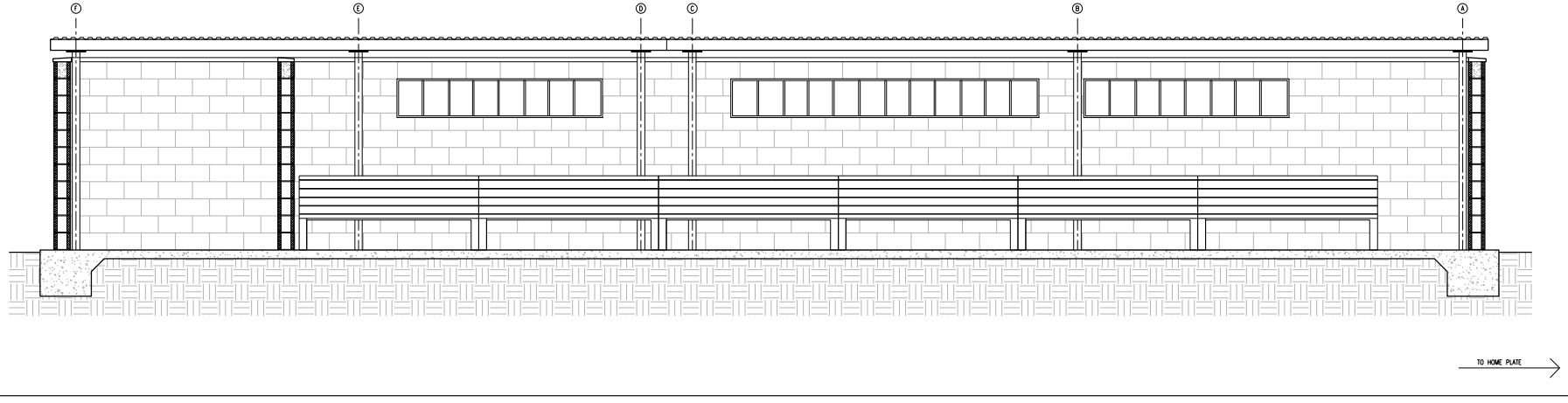
F20 SIDE ELEVATION 1/2" = 1'-0"



F13 SIDE ELEVATION 1/2" = 1'-0"



F6 CROSS SECTION 1/2" = 1'-0"



A20 LONGITUDINAL SECTION 1/2" = 1'-0"

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DATE:	08/23/2023
SCALE:	AS NOTED
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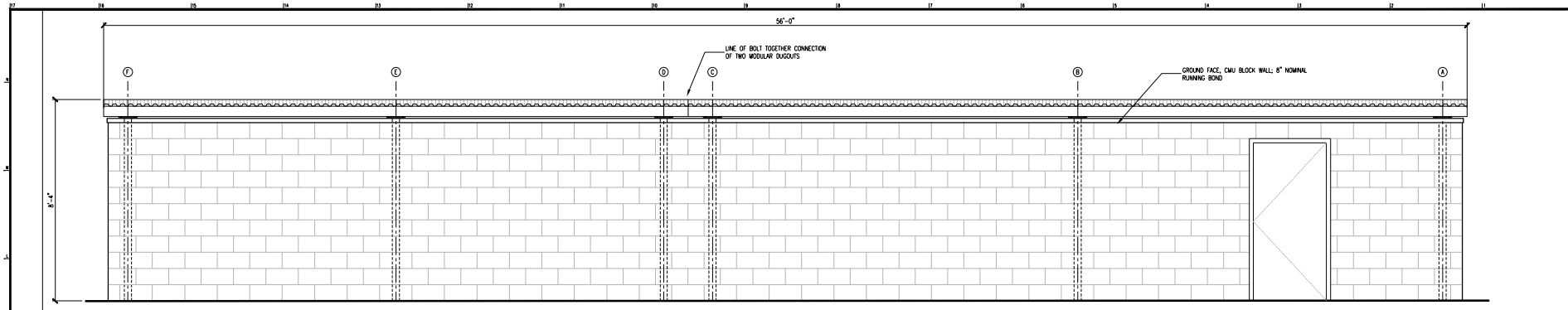
CHECKED BY:	GH

SHEET TITLE:
1ST BASELINE DUGOUT

DRAWING NO.:
A-2

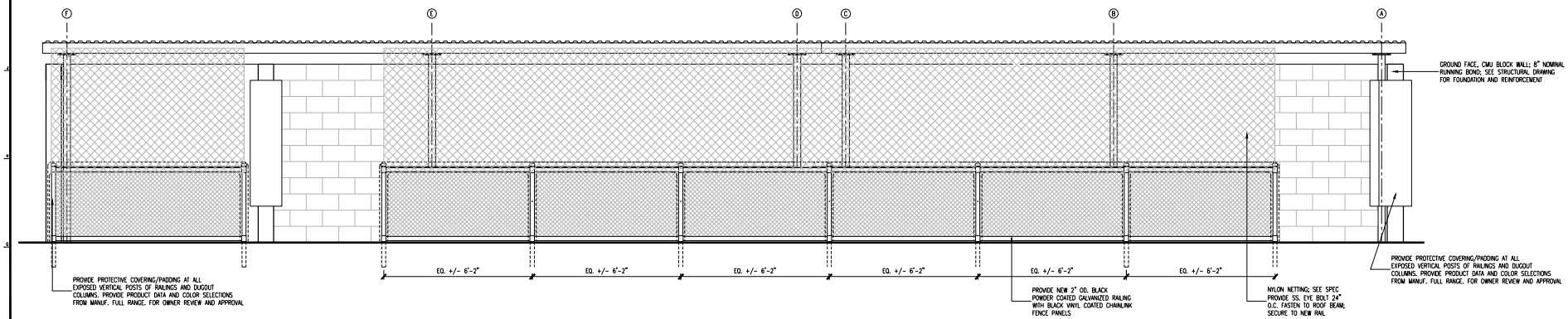
CCH PROJECT NO: 2306

12/23/2022 9:33:33 AM
Plotted by: N:\2306\2306_Mercy\Dugouts\A-101_2306.dwg



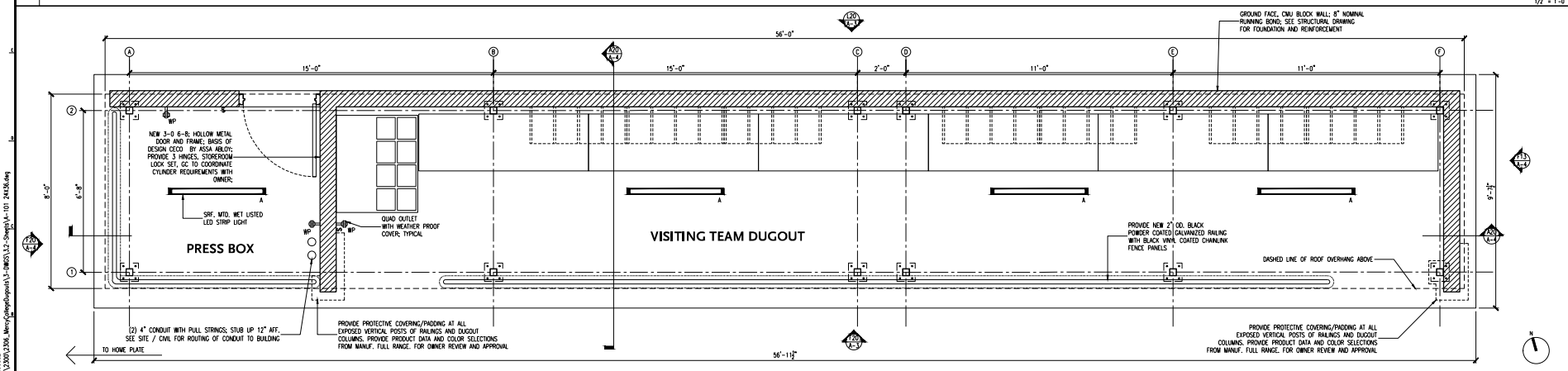
L20 3RD BASE LINE DUGOUT - ELEVATION

1/2" = 1'-0"



F20 3RD BASE LINE DUGOUT - FIELD ELEVATION

1/2" = 1'-0"



A20 3RD BASE LINE DUGOUT - PLAN

1/2" = 1'-0"

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GIUSEPPE MICHAEL HINTZ
031748
STATE OF NEW YORK

MERCY UNIVERSITY ATHLETIC FIELD IMPROVEMENTS

555 BROADWAY, DOBBS FERRY, NY 10522

DATE:	08/23/2023
SCALE:	AS NOTED
DRAWN BY:	JCG
CHECKED BY:	GH

SHEET TITLE:
3RD BASE LINE DUGOUT

DRAWING NO.:
A-3

CCH PROJECT NO: 2306

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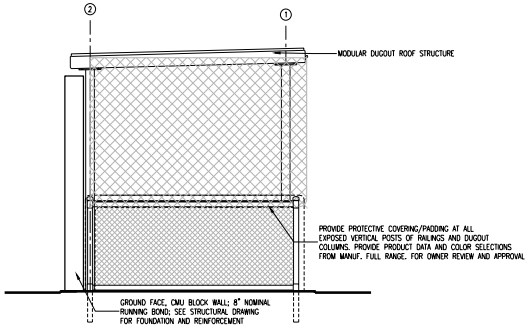
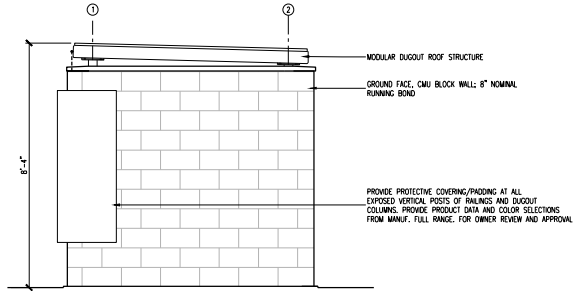
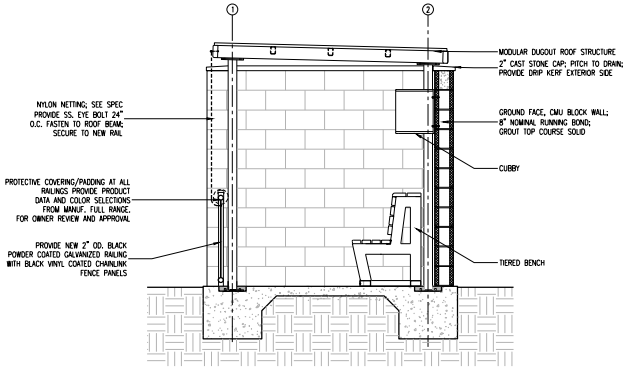
Plotted: N:\2306\2306_Mercy(College)\dugouts\3_3rd(BS)\3.2-Sheets\A-101 2416.36.dwg



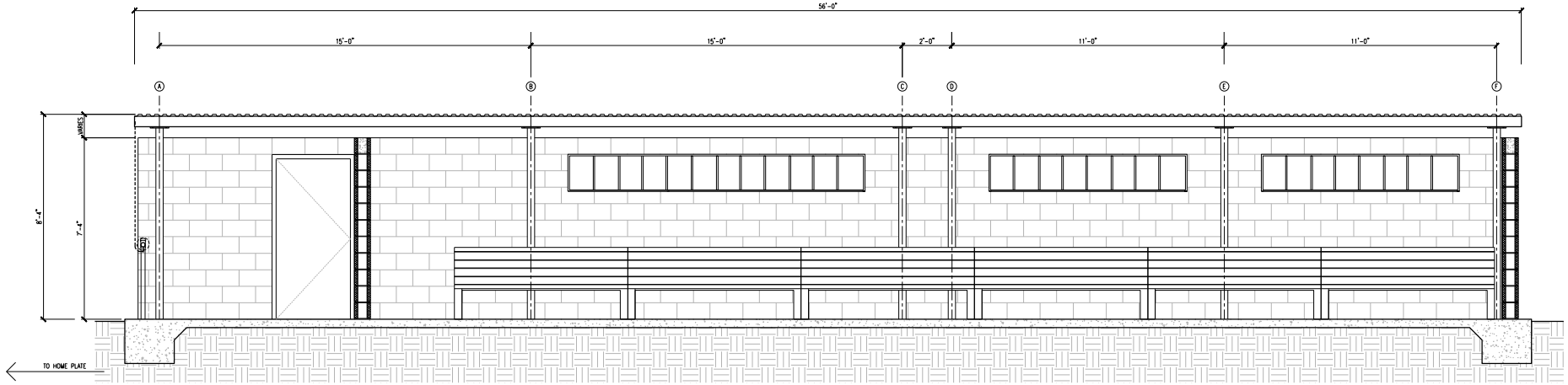
F20 SIDE ELEVATION 1/2" = 1'-0"



F13 SIDE ELEVATION 1/2" = 1'-0"



F6 CROSS SECTION 1/2" = 1'-0"



A20 LONGITUDINAL SECTION 1/2" = 1'-0"

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SUBMISSIONS

NO.	DATE	DESCRIPTION
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2	08.23.23	OWNER'S NAME UPDATE

REVISIONS

REGISTERED ARCHITECT
ROBERT MICHAEL HINTZ
031748
STATE OF NEW YORK

MERCY UNIVERSITY ATHLETIC FIELD IMPROVEMENTS

555 BROADWAY, DOBBS FERRY, NY 10522

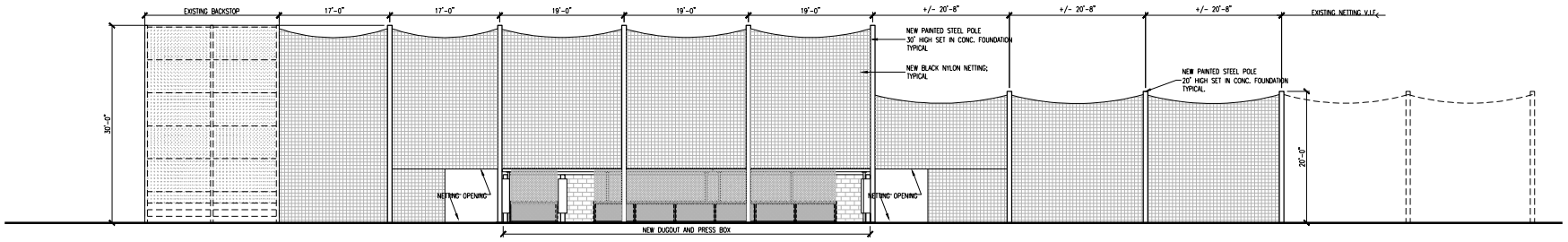
DATE:	08/23/2023
SCALE:	AS NOTED
DRAWN BY:	JCG
CHECKED BY:	GH

SHEET TITLE:
3RD BASELINE DUGOUT

DRAWING NO.:
A-4

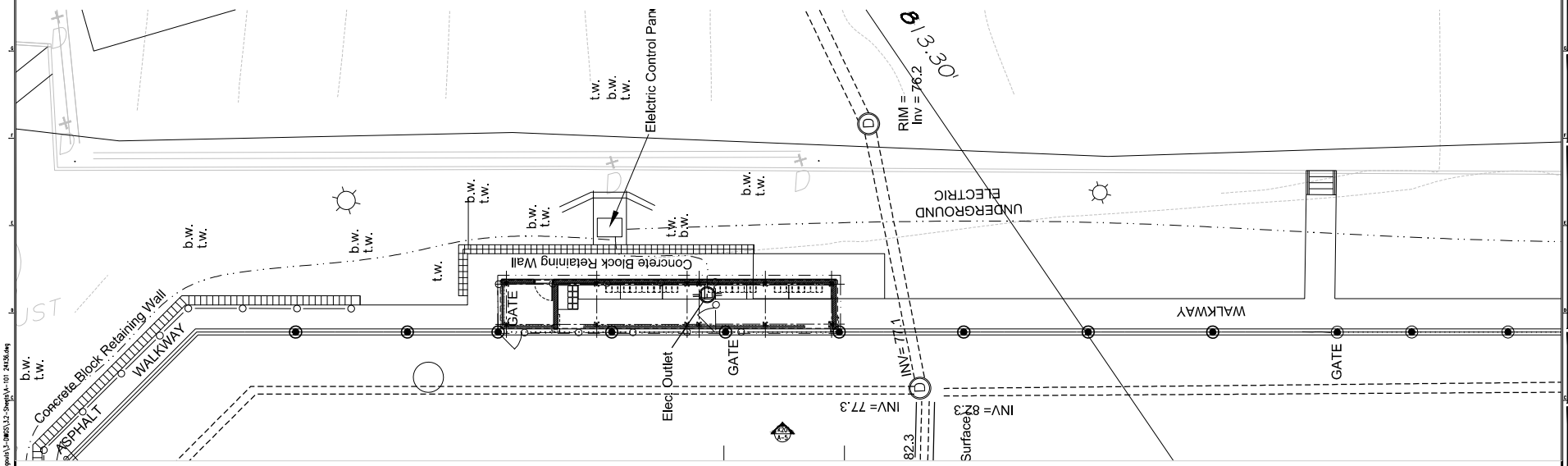
CCH PROJECT NO: 2306

12/23/2022 9:23:32 PM
Plotted: N:\2306\2306_Mercy\College\Dugouts\3_3rd BASELINE\12-Sheets\A-101 2A436.dwg



K20 DUGOUT AND NETTING/POLE ELEVATION - 3RD BASE LINE

1/8" = 1'-0"



A20 DUGOUT AND NETTING/POLE PLAN - 3RD BASE LINE

1/8" = 1'-0"

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SUBMISSIONS

NO.	DATE	DESCRIPTION
1	05.11.23	PLANNING BOARD SUB.
2	08.23.23	OWNER'S NAME UPDATE

REVISIONS

REGISTERED ARCHITECT
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MERCY UNIVERSITY ATHLETIC FIELD IMPROVEMENTS

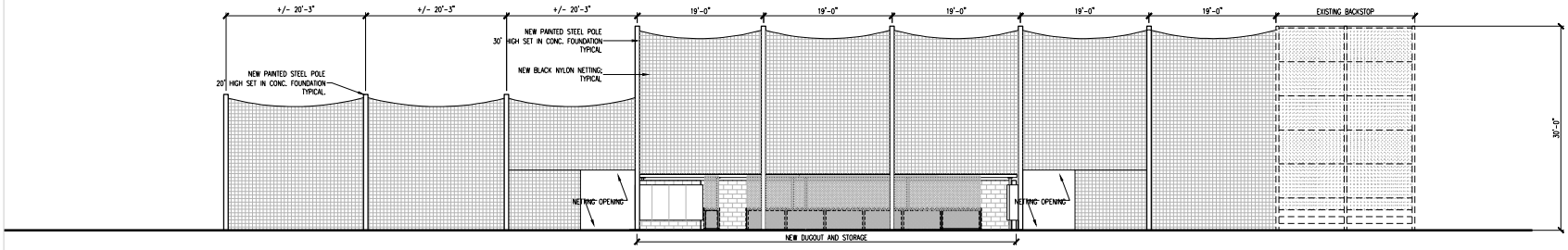
555 BROADWAY, DOBBS FERRY, NY 10522

DATE:	08/23/2023
SCALE:	AS NOTED
DRAWN BY:	JCG
CHECKED BY:	GH

SHEET TITLE:
NETTING ELEVATION AND LAYOUT

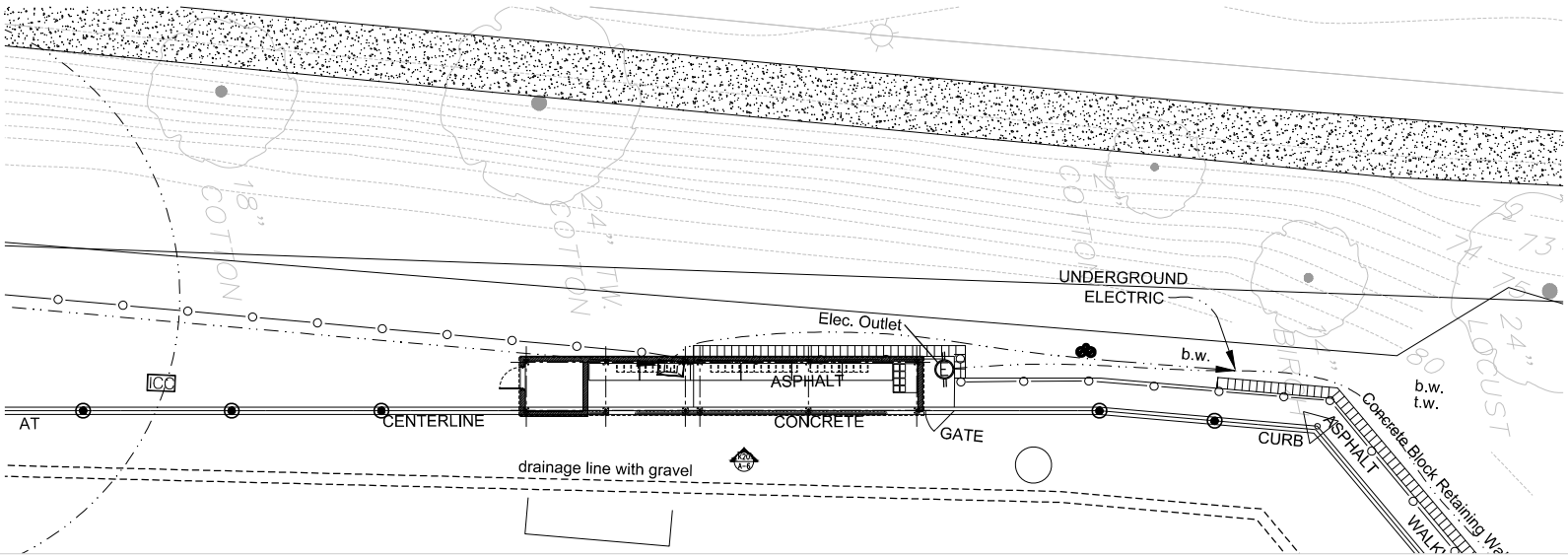
DRAWING NO.:
A-5

CCH PROJECT NO: 2306



K20 DUGOUT AND NETTING/POLE ELEVATION - 1ST BASE LINE

1/8" = 1'-0"



A20 DUGOUT AND NETTING/POLE PLAN - 1ST BASE LINE

1/8" = 1'-0"

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REVISIONS

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SCALE:	AS NOTED
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CHECKED BY:	GH

SHEET TITLE:
NETTING ELEVATION AND LAYOUT

DRAWING NO.:
A-6

CCH PROJECT NO: 2306

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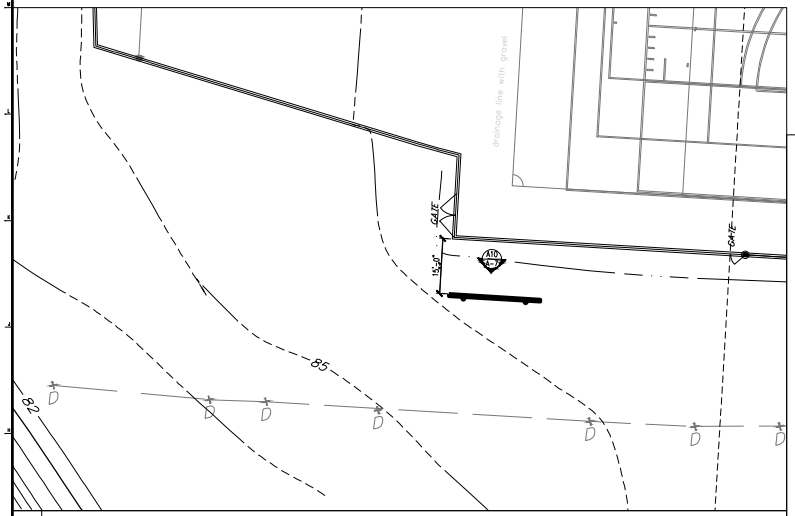
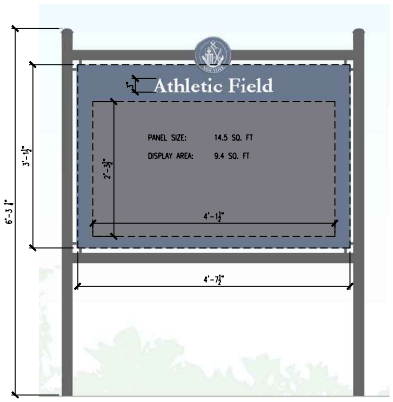


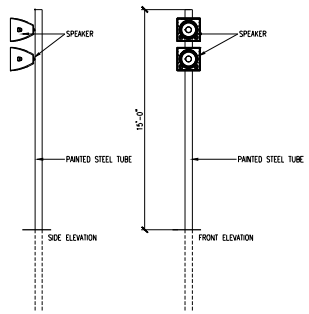
G17 SCOREBOARD LOCATION PLAN

1/16" = 1'-0"



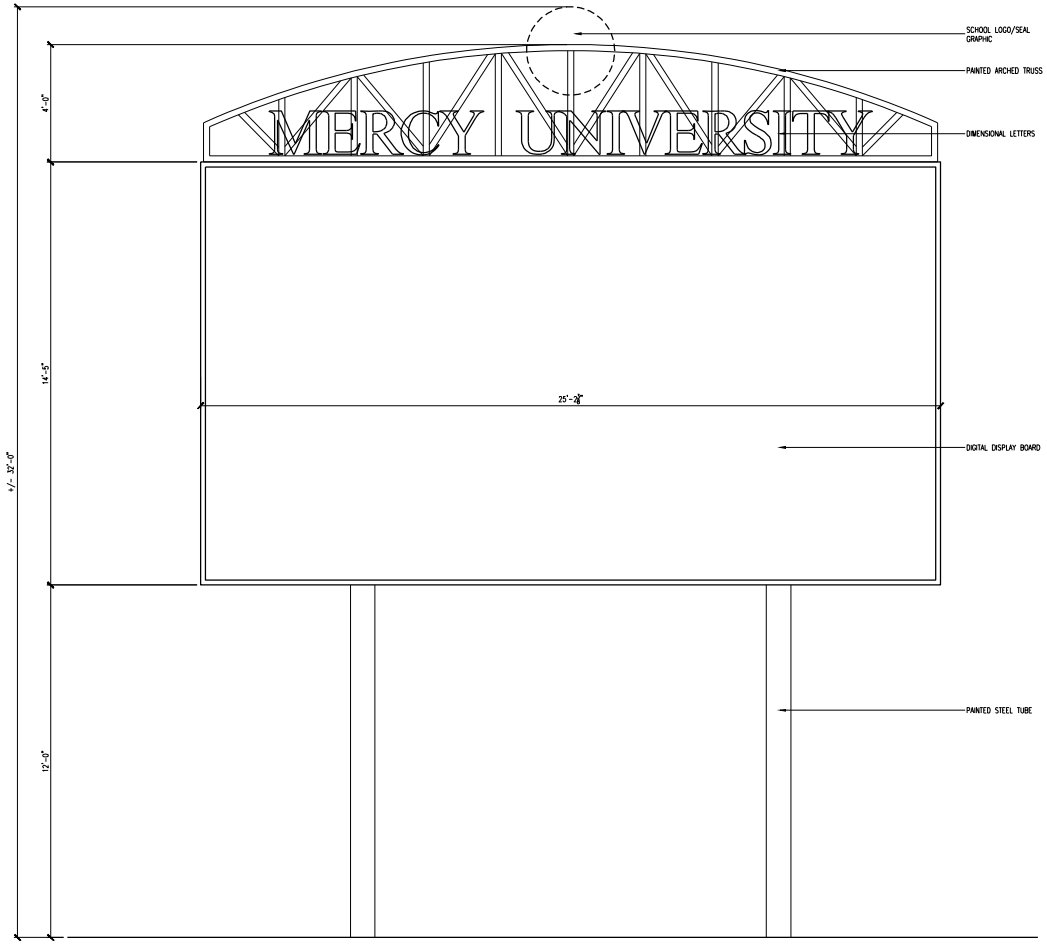
M14 DIGITAL SIGN ELEVATION

1" = 1'-0"



A20 POLE MOUNTED SPEAKER ELEVATION

1/4" = 1'-0"



A10 SCOREBOARD ELEVATION

1/2" = 1'-0"

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REVISIONS

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CHECKED BY:	GH

SHEET TITLE:
SCOREBOARD ELEVATION, POLE MOUNTED SPEAKER DETAIL AND SIGN PANEL

DRAWING NO.:
A-7

CCH PROJECT NO: 2306

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