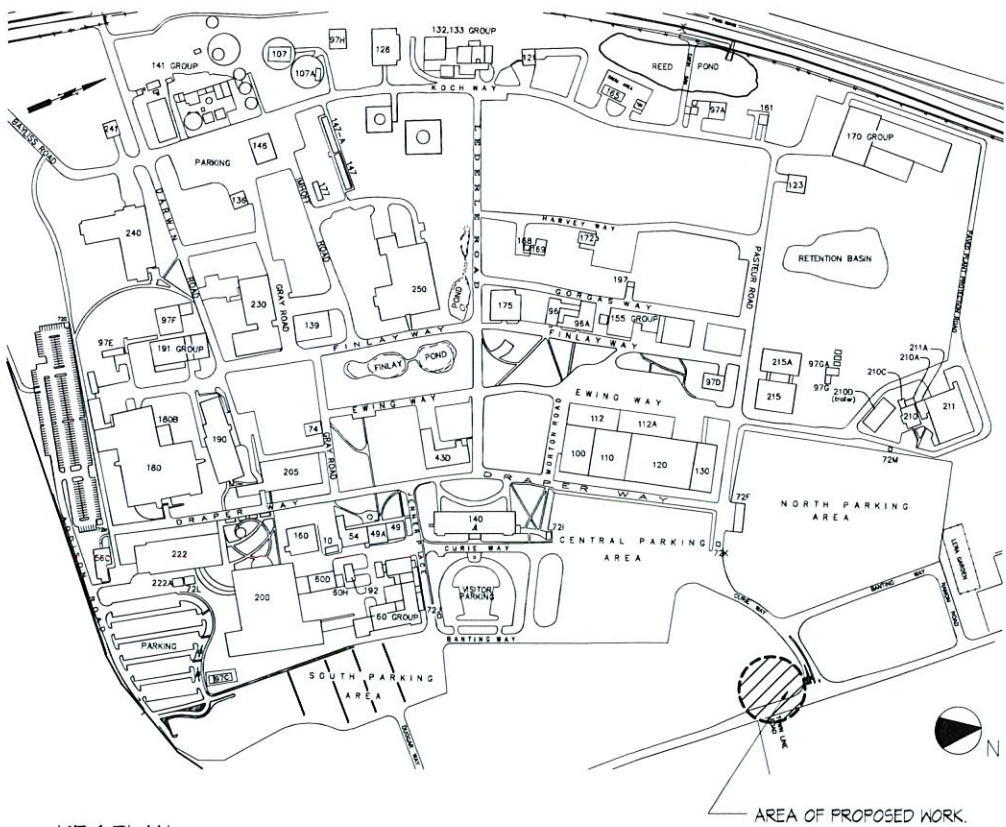


PROPOSED NEW EXTERIOR SIGNAGE FOR  
HUDSON VALLEY iCAMPUS  
401 N MIDDLETOWN ROAD  
PEARL RIVER, NEW YORK 10965  
ZONE DISTRICT: LO (LABORATORY-OFFICE DISTRICT)




KEY PLAN  
SCALE: N.T.S.

File  
Nov. 3. 2022

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE  
OF THE FOLLOWING CODE REGULATIONS:

2020 BUILDING CODE OF NEW YORK STATE  
2020 FIRE CODE OF NEW YORK STATE  
2020 ENERGY CONSERVATION CONSTRUCTION CODE OF  
NEW YORK STATE  
2020 MECHANICAL CODE OF NEW YORK STATE  
2020 PLUMBING CODE OF NEW YORK STATE

DRAWING LIST	
ARCHITECTURAL DRAWINGS	
COVER SHEET	A0
SITE PLAN	A1
SIGNAGE DETAILS	A2
SIGNAGE DETAILS	A3




CARDARELLI  
DESIGN & ARCHITECTURE, P.C.  
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Hudson Valley iCampus  
innovation. ingenuity. industry.

PROPOSED NEW EXTERIOR SIGNAGE  
FOR HUDSON VALLEY iCAMPUS  
401 N MIDDLETOWN ROAD  
PEARL RIVER, NEW YORK 10965  
ZONE DISTRICT: LO (LABORATORY OFFICE DISTRICT)

NO.	ISSUE	DATE
1.	ISSUED TO LANDLORD FOR REVIEW	09/01/22
2.	ISSUED TO LANDLORD FOR REVIEW	09/09/22
3.	ISSUED FOR DOB PERMIT FILING	09/13/22



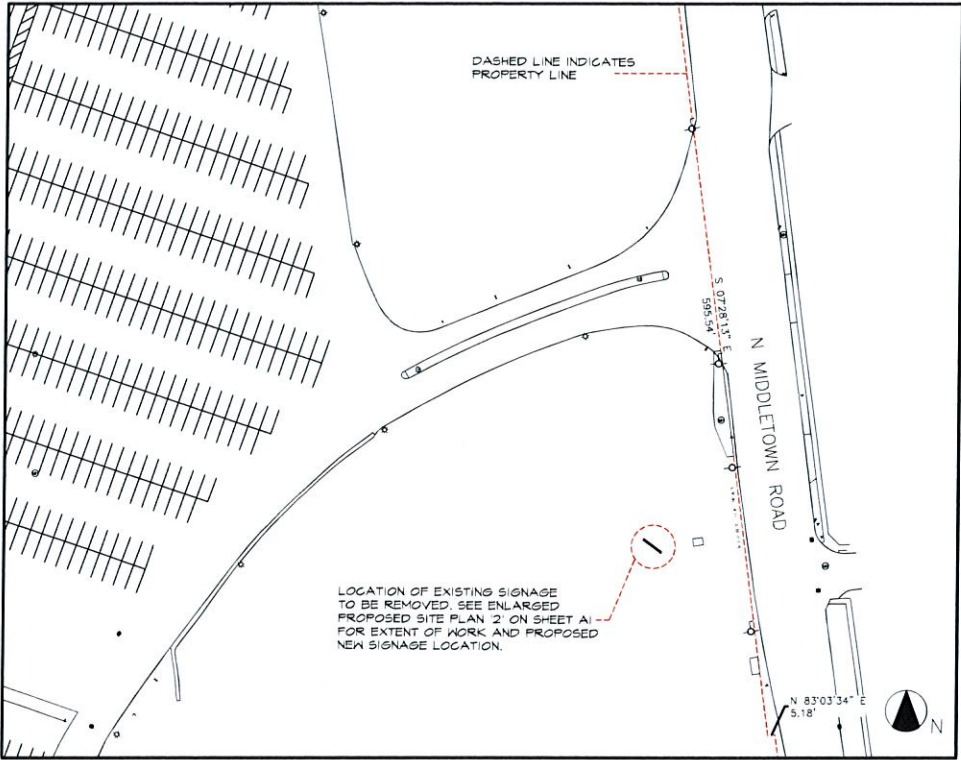
SEAL  
REGISTERED ARCHITECT  
STEFANO CARDARELLI  
028818  
STATE OF NEW YORK

SCALE:	DATE:	PROJECT NO.:
AS NOTED	08/31/22	22-000-00
DRAWN BY:	CHECKED BY:	APPROVED BY:
G.S.		

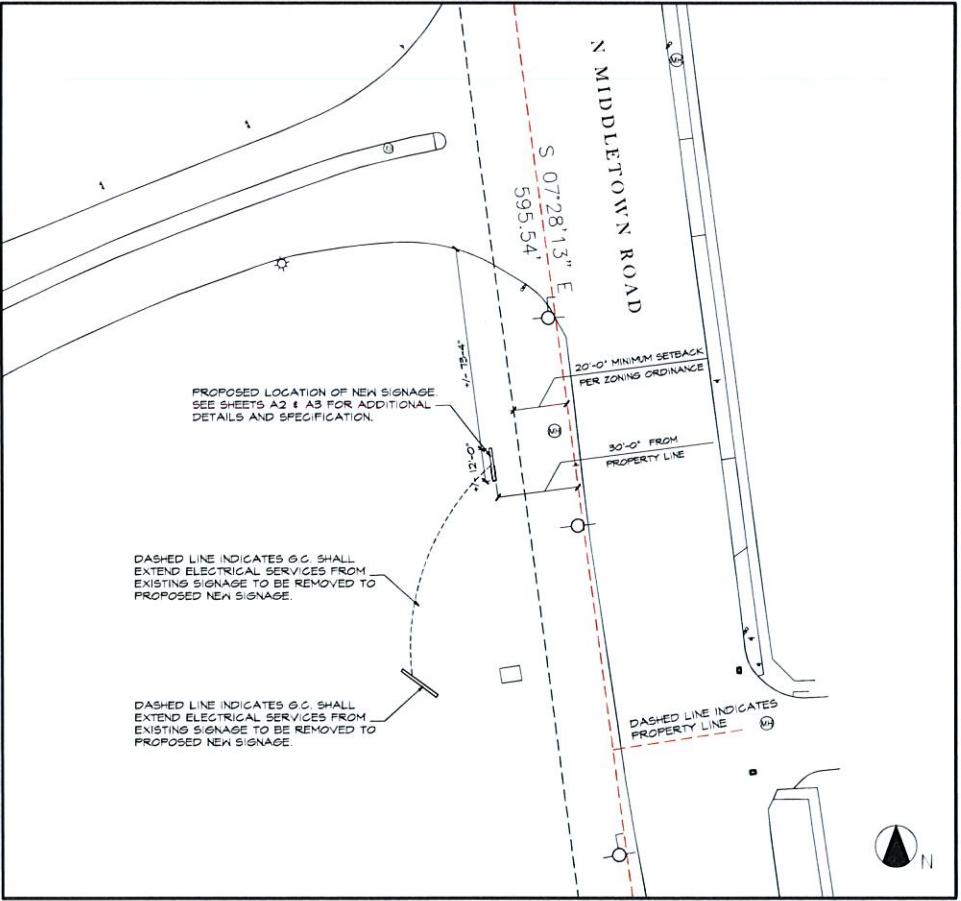
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COVER SHEET

DRAWING NO.:  
A0

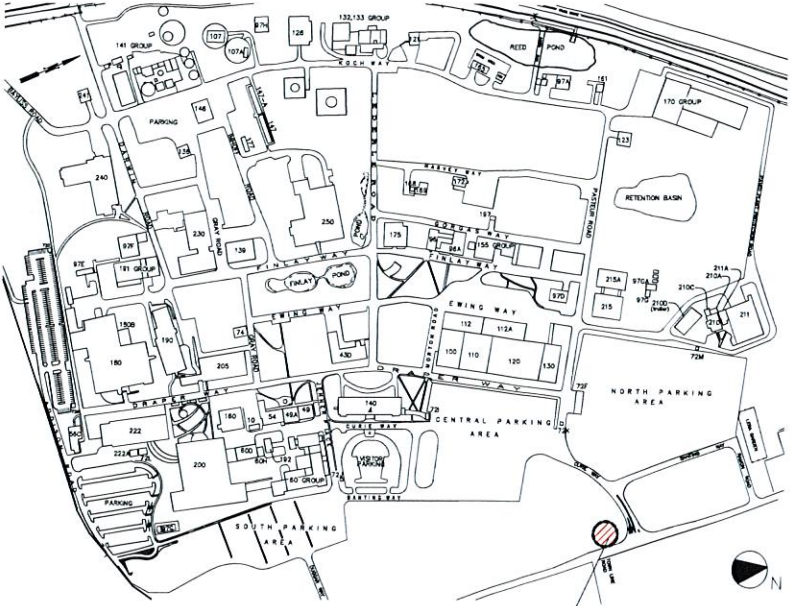




1 EXISTING SITE PLAN  
SCALE: 1/8" = 1'-0"



2 ENLARGED PROPOSED SITE PLAN  
SCALE: 1/8" = 1'-0"



A KEY PLAN  
SCALE: N.T.S.



3 AERIAL VIEW  
SCALE: NOT TO SCALE

**CS**  
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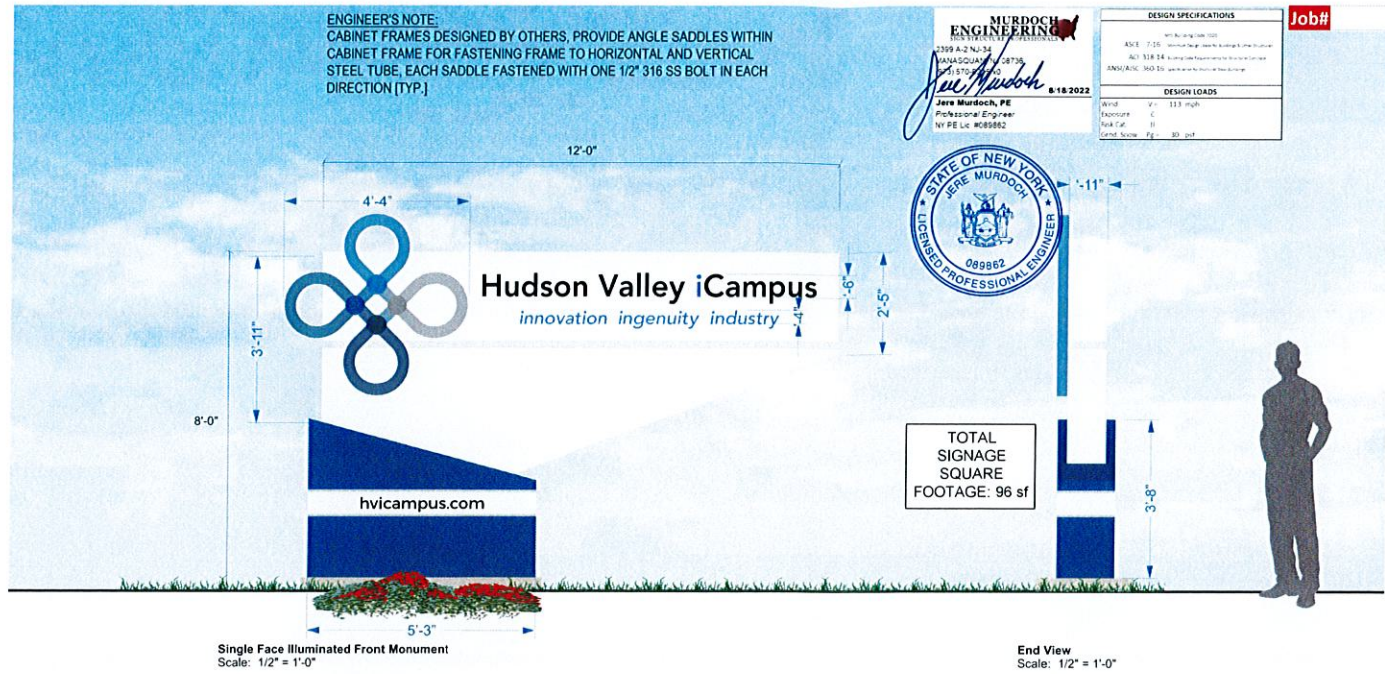
**PROPOSED NEW EXTERIOR SIGNAGE  
FOR HUDSON VALLEY iCAMPUS**  
401 N MIDDLETOWN ROAD  
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**REGISTERED ARCHITECT**  
STATE OF NEW YORK  
028818  
SCALE: AS NOTED  
DATE: 08/31/22  
PROJECT NO.: 22-000-00  
DRAWN BY: G.S.  
CHECKED BY:  
APPROVED BY:  
DRAWING TITLE:  
**SITE PLAN**

DRAWING NO.: **A1**



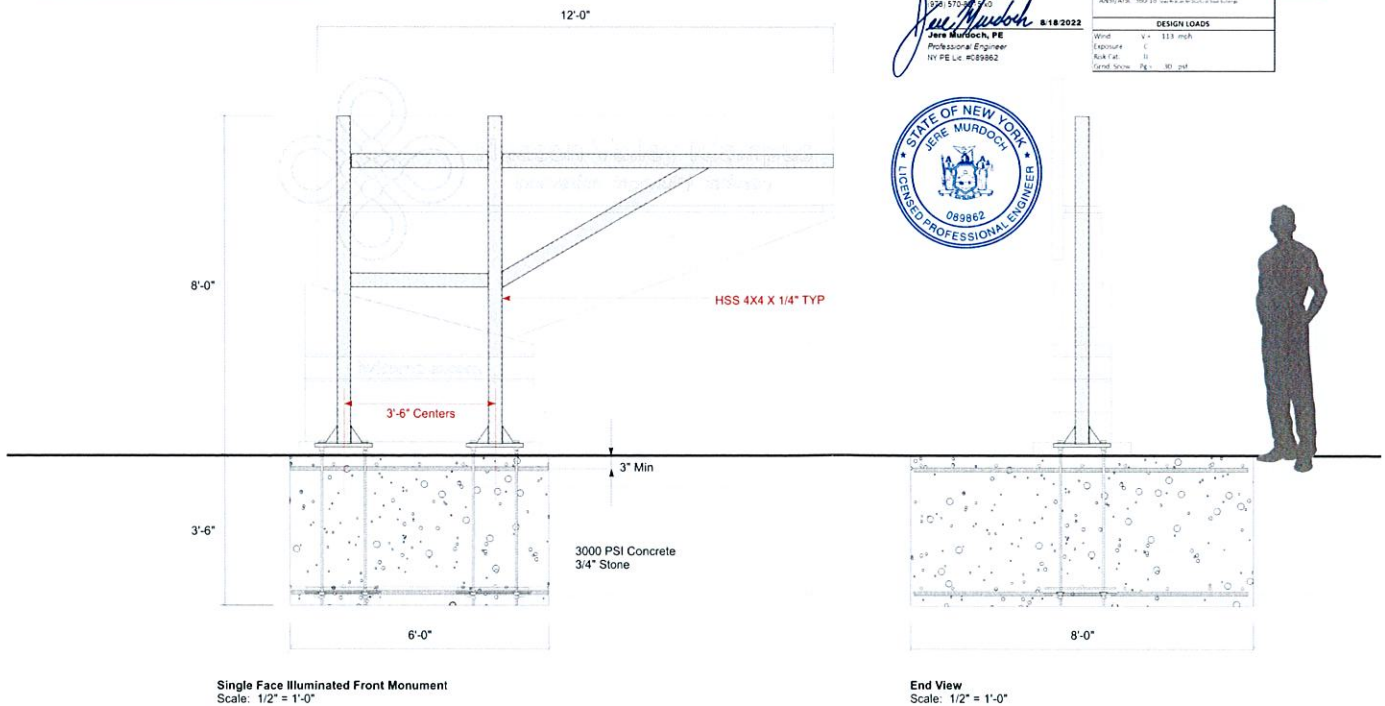


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PROJECT:  
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401 N Middletown Rd, Pearl River, NY

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Main Monument.cdr



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401 N Middletown Rd, Pearl River, NY

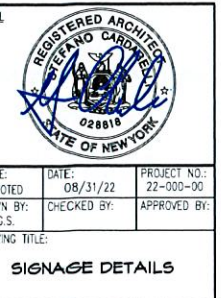
Sheet 2 of 3

SCALE: DATE: DRAWN BY: DRAWING # / FILE SAVE:  
As Noted 16 July '22 ALD HVIC(2022)  
Main Monument.cdr



PROPOSED NEW EXTERIOR SIGNAGE  
FOR HUDSON VALLEY iCAMPUS  
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PEARL RIVER, NEW YORK 10965  
ZONE DISTRICT: LO (LABORATORY OFFICE DISTRICT)

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3.	ISSUED FOR DOB PERMIT FILING	09/13/22



DRAWING NO:  
A2





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PROPOSED NEW EXTERIOR SIGNAGE  
FOR HUDSON VALLEY iCAMPUS  
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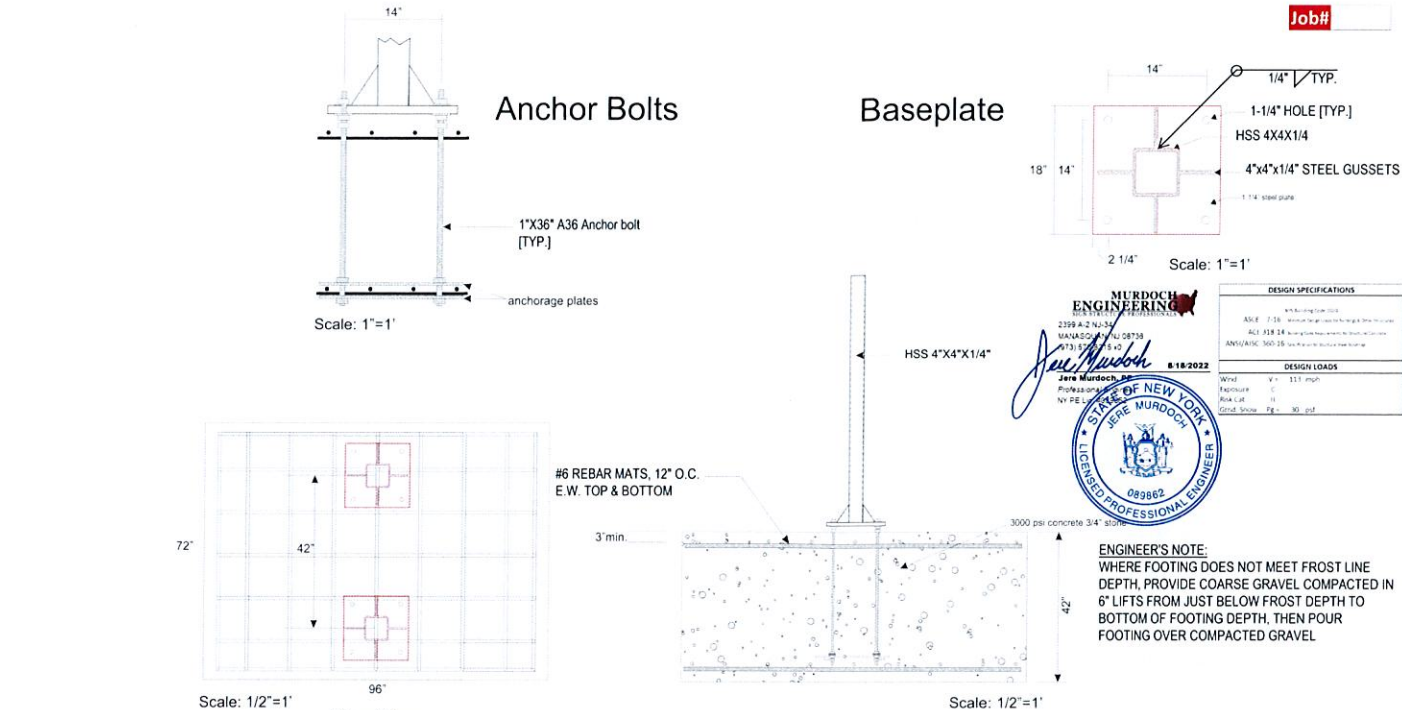
NO.	DATE	ISSUE
1.	08/01/22	ISSUED TO LANDLORD FOR REVIEW
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3.	08/13/22	ISSUED FOR DOB PERMIT FILING



SCALE: AS NOTED  
DATE: 08/31/22  
PROJECT NO.: 22-000-00  
DRAWN BY: G.S.  
CHECKED BY:  
APPROVED BY:

DRAWING TITLE:  
SIGNAGE DETAILS

DRAWING NO.:  
A3



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PROJECT:  
Hudson Valley iCampus  
401 N Middletown Rd, Pearl River, NY

SCALE: As Noted  
DATE: 16 July 22  
DRAWN BY: ALD  
DRAWING # / FILE NAME: HVC(2022) Main Monument.cdr

Sheet 3 of 3

- GENERAL:**
1. ALL MATERIALS AND WORK SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE INTERNATIONAL BUILDING CODE (IBC).
  2. CONSTRUCTION METHODS AND PROJECT SAFETY: DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE METHODS, PROCEDURES, OR SEQUENCE OF CONSTRUCTION. TAKE NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION. THE EOR WILL NOT ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS.
  3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES THAT ARE FOUND. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS.
  4. ALL OMISSIONS AND/OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND FIELD INSPECTOR. THE ENGINEER SHALL PROVIDE A SOLUTION PRIOR TO PROCEEDING WITH ANY WORK AFFECTED BY THE CONFLICT OR OMISSION.
  5. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, CONSTRUCT IN ACCORDANCE WITH THE STEEL CONSTRUCTION MANUAL, 14TH EDITION OR 2010 ALUMINUM DESIGN MANUAL.
  6. WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE.
  7. ANY CHANGE TO THE DESIGN AS SHOWN ON THE DRAWINGS REQUIRES PRIOR WRITTEN APPROVAL FROM DESIGN ENGINEER OF RECORD BEFORE CONSTRUCTION.
  8. WORK PERFORMED IN CONFLICT WITH THE STRUCTURAL DRAWINGS OR APPLICABLE BUILDING CODE REQUIREMENTS SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
  9. VERIFICATION: VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY THE EOR IMMEDIATELY OF ANY DISCREPANCIES.

- EXISTING CONDITIONS:**
1. IF EXISTING CONDITIONS ARE NOT AS DETAILED IN THIS DESIGN, THE INSTALLER SHALL CEASE WORK AND NOTIFY MURDOCH ENGINEERING IMMEDIATELY.
  2. MURDOCH ENGINEERING WILL NOT BE PERFORMING ON-SITE INSPECTIONS OR VERIFICATIONS. IT IS THE RESPONSIBILITY OF THE INSTALLER, STRUCTURE OWNER, AND PROPERTY OWNER TO IDENTIFY EXISTING CONDITIONS AND CONTACT MURDOCH ENGINEERING WITH ANY DISCREPANCIES OR CONCERNS.
  3. INSTALLER SHALL CONFIRM THE DIAMETER AND THICKNESS OF EXISTING MEMBERS AND NOTIFY MURDOCH ENGINEERING OF ANY DISCREPANCIES.
  4. INSTALLER SHALL INSPECT AND CONFIRM THE QUALITY OF EXISTING STRUCTURE AS "IN GOOD REPAIR." IF THERE ARE ANY INDICATIONS THAT THIS IS NOT THE CASE, INSTALLER SHALL CEASE WORK IMMEDIATELY AND NOTIFY MURDOCH ENGINEERING.
  5. ANY EXISTING INFORMATION SHOWN HAS BEEN FURNISHED BY THE PERSON(S) OR COMPANY THIS DOCUMENT WAS PREPARED FOR (SEE TITLE BLOCK). MURDOCH ENGINEERING IN NO WAY CERTIFIES THIS INFORMATION AS "AS-BUILT." IF THERE IS ANY REASON TO BELIEVE THE EXISTING CONDITIONS DETAILED HEREIN ARE NOT ACCURATE, MURDOCH ENGINEERING SHALL BE NOTIFIED IMMEDIATELY.

- STEEL**
1. STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:

ROUND HSS	ASTM A500, GR B	Fy=42 KSI MIN
SQUARE RECT HSS	ASTM A500, GR B	Fy=46 KSI MIN
THREAD ROD	F1554 GR 55	Fy=55 KSI MIN
STEEL PLATE STD.	ASTM A36	Fy=36 KSI MIN
PIPE	A53, GR B	Fy=35 KSI MIN
  2. BOLTS SHALL CONFORM TO ASTM A325 UNF.
  3. BOLTS AND THREAD ROD SHALL BE HOT-DIP GALVANIZED PER ASTM F2329 UNF.
  4. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 UNF.
  5. NUTS SHALL CONFORM TO ASTM A308.
  6. WASHERS SHALL CONFORM TO ASTM F444.
  7. STEEL HARDWARE SHALL BE HOT-DIP GALVANIZED PER ASTM A153 UNF.
  8. WELDING:
    - a. WELD STRUCTURAL STEEL IN COMPLIANCE WITH AWS/AWS D1.1 AND AISC SPECIFICATION, CHAPTER 1. WELDERS SHALL BE CERTIFIED AS REQUIRED BY GOVERNING CODE AUTHORITY. WELDING SHALL BE DONE BY ELECTRIC ARC PROCESS USING LOW HYDROGEN ELECTRODES WITH SPECIFIED TENSILE STRENGTH NOT LESS THAN 70 KSI UNLESS NOTED OTHERWISE.
    - b. ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH ACTIVE STATUS AT TIME OF WELDING.
    - c. UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM WELD SIZES PER AISC SPECIFICATION, SECTION 12, TABLE 2.4.
    - d. BASE PLATES SHALL BE WELDED ON TOP AND BOTTOM WITH CONTINUOUS WELDS OF AT LEAST 1/4" (IF PLATE IS CUT TO FIT TUBE INTO PLATE).

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- ALUMINUM**
1. FABRICATE AND ERECT ALUMINUM IN COMPLIANCE WITH THE ALUMINUM ASSOCIATION (AA) 2010 ALUMINUM DESIGN MANUAL (ADAM) 1, THE SPECIFICATIONS FOR ALUMINUM SHEET METAL WORK (ASMS), AND IBC CHAPTER 20.
  2. PIPE AND TUBE SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH Ftu=38 KSI MIN, Fty=35 KSI MIN, Ftww=24 KSI MIN, Ftyw=15 KSI MIN.
  3. STD STRUCTURAL PROFILES SHALL BE 6061-T6 PER B308 WITH Ftu=38 KSI MIN, Fty=35 KSI MIN, Ftww=24 KSI MIN, Ftyw=15 KSI MIN.
  4. SHEET AND PLATE SHALL BE 6061-T6 PER ASTM B209 WITH Ftu=42 KSI MIN, Fty=35 KSI MIN, Ftww=24 KSI MIN, Ftyw=15 KSI MIN.
  5. EXTRUSIONS SHALL BE 6061-T6 PER ASTM B241 OR B429 WITH Ftu=38 KSI MIN, Fty=35 KSI MIN, Ftww=24 KSI MIN, Ftyw=15 KSI MIN.
  6. ALL SHOP AND FIELD WELDS SHALL BE PERFORMED BY AN AWS OR ICC CERTIFIED WELDER WITH CURRENT STATUS AT TIME OF WELDING.
  7. UNLESS A LARGER WELD SIZE IS INDICATED, PROVIDE MINIMUM WELD SIZES PER AISC. ALL ALUMINUM WELDED JOINTS SHALL HAVE WELD SIZES OF AT LEAST 1/8" INCH.
  8. FILLET WELDS SHALL NOT EXCEED THINNESS MEMBER WALL THICKNESS JOINED.
  9. ALUMINUM WELD FILLER SHALL BE 5356 ALLOY.
  10. WELDING PROCESS GMAW OR GTAW SHALL BE IN ACCORDANCE WITH AWS D1.2.
  11. ALUMINUM CHANNEL LETTERS SHALL BE CONSTRUCTED OF 0.090" RETURNS AND 0.125" BACKS MINIMUM, UNLESS A LARGER SIZE IS INDICATED ON DRAWINGS. THIS NOTE SHALL SUPERCEDE DRAWING DETAILS.
  12. PROVIDE NEOPRENE GASKET BETWEEN DISSIMILAR METALS TO PREVENT GALVANIC CORROSION.
  13. ALUMINUM DIRECTLY EMBEDDED INTO CONCRETE SHALL BE CAPED AT BOTTOM AND COATED WITH BITUMINOUS COATING OR POLYURETHANE WHERE IN CONTACT WITH CONCRETE.
  14. FASTENERS BETWEEN DISSIMILAR METALS SHALL BE STAINLESS STEEL 316.

- CONCRETE & REINFORCEMENT**
1. MINIMUM 28-DAY COMPRESSIVE STRENGTH (Fc) SHALL BE 3,000 PSI. THE MAXIMUM WATER TO CEMENT RATIO SHALL BE 0.45 BY WEIGHT. A MINIMUM OF 5-3/4 BAGS OF CEMENT SHALL BE USED PER CUBIC YARD WITH A SLUMP OF 4" +/- 1."
  2. REINFORCEMENT TO BE ASTM A615 GR 60, Fy=60 KSI UNF.
  3. CALCIUM CHLORIDE OR ADDED CHLORIDE IS NOT PERMITTED.
  4. VIBRATION: ALL REINFORCED CONCRETE SHALL BE CONSOLIDATED WITH MECHANICAL VIBRATORS.
  5. CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318.14.
  6. PROVIDE A MINIMUM OF 2-1/2" COVER OF ALL EMBEDDED STEEL REBAR AND A MINIMUM OF 6 INCHES OF COVER FOR DIRECT BURIED PIPE OR TUBE MEMBERS.

- FOUNDATIONS**
1. CONCRETE POURED INTO CONSTRAINED EARTH EXCAVATIONS MUST CURE UNDER PROPER CONDITIONS FOR A MINIMUM OF 7 DAYS PRIOR TO SIGN BOX INSTALLATION. (EXCEPTION: IF THE OVERALL HEIGHT OF THE SIGN IS LESS THAN 20 FEET AND THE SIGN IS ADEQUATELY BRACED AGAINST WIND LOADS FOR A MINIMUM OF 4 DAYS, THE BOX MAY BE INSTALLED THE SAME DAY AS THE FOOTING IS POURED).
  2. FOOTINGS MUST BE POURED AGAINST UNDISTURBED EARTH. SOIL BACKFILL IS UNACCEPTABLE. WHEN A SONOTUBE IS USED AS THE FORM, 3/4" BLUESTONE OR CONCRETE SHALL BE USED TO BACKFILL THE SPACE BETWEEN THE SONOTUBE AND UNDISTURBED EARTH.
  3. COLD WEATHER PLACEMENT: PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH THAT COULD BE CAUSED BY FROST, FREEZING ACTIONS OR LOW TEMPERATURES. DO NOT POUR CONCRETE DURING OR WHEN FREEZING TEMPERATURES ARE ANTICIPATED WITHIN 3 DAYS OF POUR.
  4. REINFORCEMENT IS NOT REQUIRED FOR DIRECT BURIAL TYPE SIGN FOOTINGS FOR SIGNS OF 25 FEET OVERALL HEIGHT OR LESS. DIRECT BURIED STEEL SHALL EXTEND TO 6 INCHES FROM BOTTOM OF FOOTING.
  5. FOR ANCHOR BOLT / BASE PLATE - SQUARE FOOTINGS: PROVIDE A MINIMUM OF #5 VERTICAL REBAR @ 12" O.C., 4" OFFSET FROM PERIMETER, TOP AND BOTTOM OF FOOTING. PROVIDE #3 HORIZONTAL TIES @ 12" O.C. UNLESS OTHERWISE NOTED.
  6. FOR ANCHOR BOLT / BASE PLATE - ROUND FOOTINGS: PROVIDE A MINIMUM OF SIX (6) VERTICAL #5 REBARS, EVENLY SPACED, 4" OFFSET FROM FOOTING PERIMETER & #3 HORIZONTAL TIES, 12" O.C. UNLESS OTHERWISE NOTED.
  7. ANCHOR BOLTS SHALL BE TIED TO REBAR CAGE AT A MINIMUM OF TWO LOCATIONS PER ANCHOR BOLT.
  8. FOOTING DESIGN ASSUMES FOOTING SHALL BE EXCAVATED AND POURED IN UNDISTURBED NATURAL EARTH. CAPABLE OF WITHSTANDING A MINIMUM 1,500 PSF VERTICAL DESIGN BEARING PRESSURE AND 150 PSF/FT OF DEPTH OF LATERAL BEARING PRESSURE BASED ON SOIL DATA OBTAINED FROM THE USGS SOIL SURVEY.
  9. IF CLAY, SILT, CLAY, ORGANIC OR FILL SOILS ARE ENCOUNTERED UPON EXCAVATION, CONTACT MURDOCH ENGINEERING FOR FOOTING DESIGN MODIFICATION PRIOR TO CONSTRUCTION.
  10. PORTION OF STEEL SUPPORT EMBEDDED INTO CONCRETE SHALL NOT BE PAINTED. IT SHALL BE CLEAN BARE METAL FOR PROPER ADHESION TO CONCRETE.

- SCOPE OF WORK:**
1. LIMITS OF LIABILITY TO EXTEND ONLY TO THE QUANTITY INDICATED. ATTEMPTS IN PART OR IN WHOLE TO INSTALL GREATER QUANTITIES THAN THOSE SPECIFIED WITHOUT CONSULTING MURDOCH ENGINEERING SHALL VOID ALL PROFESSIONAL LIABILITY AND COVERAGE.



**MURDOCH ENGINEERING**  
2399 A-2 NJ-34  
MANASQUAN, NJ 08736  
NJ PE License #028962  
Jere Murdoch, P.E.  
Professional Engineer  
NY PE License #028962

PROJECT:  
HUDSON VALLEY iCAMPUS SIGNAGE

PROJECT ADDRESS:  
401 N Middletown Rd,  
Pearl River, NY 10965

DESIGN SPECIFICATIONS  
ASCE 7-16 Minimum Design Seismicity & Wind Loads  
ACI 318-14 Concrete Design Bearing Pressure and  
150 PSF/FT OF DEPTH OF LATERAL BEARING PRESSURE BASED ON SOIL DATA OBTAINED FROM THE USGS SOIL SURVEY

DESIGN LOADS  
Wind: 115 mph  
Rain: 5.0 in  
Snow: 30.0 in

DESIGN LOADS  
Wind: 115 mph  
Rain: 5.0 in  
Snow: 30.0 in

DWG TITLE:  
GENERAL NOTES  
SHEET: S.1  
SIZE: B