CAMPUS-WIDE ZONING DATA

PLANNED INSTITUTIONAL DISTRICT (PI)

CLASSIFICATION: REQUIRED EXISTING **PROPOSED** BUILDING AREA 30% MAX. 13.0% (29.26 ACRES) (a) 14.3% (32.25 ACRES) (b) VILLANOVA BUILDING HEIGHT CALCULATIONS

EXG GRADE | FLOOR LEVEL | FROM FLOOR

43.4

439.0

436.0 437.3

AVERAGE BUILDING

BUILDING 1B

TOTAL IMPERVIOUS COVERAGE 45% MAX. 37.6% (84.60 ACRES) (a) 36.4% (81.85 ACRES) (c) DATA OBTAINED FROM LAST CAMPUS DEVELOPMENT APPROVAL SHOWN ON A PLAN ENTITLED

VILLANOVA UNIVERSITY WEST CAMPUS, PROPOSED SOCCER FIELD RECONSTRUCTION", PLAN DATED OCTOBER 4, 2013, LAST REVISED MAY 6, 2014, PREPARED BY ASSOCIATED ENGINEERING CONSULTANTS INCORPORATED (AEC). DORMITORY BUILDING 1 1.05 ACRES (1A: 0.42 + 1B: 0.19 + 1C: 0.44)

1.17 ACRES (2A: 0.32 + 2B: 0.37 + 2C: 0.48) DORMITORY BUILDING 2 PERFORMING ARTS CENTER +0.77 ACRES 2.99 ACRES (PROPOSED BUILDING AREA)

EXISTING BUILDING AREA 29.26 ACRES PROPOSED BUUILDING AREA +2.99 ACRES
TOTAL 32.25 ACRES

EXISTING IMPERVIOUS 84.60 ACRES CICD REDUCTION -2.65 ACRES BRIDGE & VISITOR LOT REDUX -0.10 ACRES

CAMPUS PARKING ANALYSIS

EXISTING REQUIRED PARKING SPACES

| AREA USE DESCRIPTION | AREA USE QUANTITY | REQUIRED PARKIN |
|-----------------------|----------------------|-----------------|
| DORMITORY | 4,322 BEDS | 1,441 |
| OFFICE (NET SF) | 365,851 SF | 1,303 |
| RETAIL | 6,250 SF (6) | 44 |
| RESTAURANT | | |
| LARGEST ASSEMBLY AREA | 3,778 FIXED SEATS | 945 |
| GYMNASIUM / LIBRARY | 42,432 SF | 283 |
| LARGEST ASSEMBLY AREA | 13,722 SF | 344 |
| UNSPECIFIED AREA | 30,929 SF | 104 |
| | TOTAL SPACES | 4,464 SPACES |
| | PARKING AVAILABILITY | 5,130 SPACES |
| | SURPLUS | 666 SPACES |

PROPOSED REQUIRED PARKING SPACES

| ROT COLD REGUIRED T | | |
|-----------------------|-----------------------|------------------|
| AREA USE DESCRIPTION | AREA USE QUANTITY | REQUIRED PARKING |
| DORMITORY | 5,460 BEDS (1) | 1,820 |
| OFFICE (NET SF) | 368,091 SF (2) | 1,311 |
| RETAIL | 12,371 SF (3) | 76 |
| RESTAURANT | 85 SEATS (4) | 39 |
| LARGEST ASSEMBLY AREA | 4,178 FIXED SEATS (5) | 1,045 |
| GYMNASIUM / LIBRARY | 42,432 SF | 283 |
| LARGEST ASSEMBLY AREA | 13,722 SF | 344 |
| UNSPECIFIED AREA | 37,179 SF (6) | 124 |
| | TOTAL SPACES | 5,042 SPACES |
| | PARKING AVAILABILITY | 5,126 SPACES |
| | SURPLUS | 84 SPACES |

PROPOSED PARKING TABULATION

| AREA USE DESCRIPTION | EXISTING | PROPOSED |
|--------------------------|--------------------|--------------|
| MAIN LOT | 1,126 | 62 |
| PIKE LOT | 577 | 1,289 |
| VISITOR LOT | 80 | 45 |
| W. LANCASTER LOT | 79 | 240 |
| ST. AUGUSTINES CENTER | 271 | 494 |
| NEVIN FIELD HOUSE | 48 | 47 |
| UNAFFECTED CAMPUS SPACES | 2949 | 2949 |
| | TOTAL 5,130 SPACES | 5,126 SPACES |

2,240 SF OFFICE PROPOSED WITHIN THE PERF. ARTS CENTER 3) 9,369 SF BOOKSTORE, 2,877 SF CONVENIENCE STORE, 125 SF RETAIL WITHIN THE PERFORMING ARTS CENTER & 27 EMPLOYEES (4) 85 SEATS & 20 EMPLOYEES WITHIN PROPOSED BISTRO 5) 400 SEAT THEATER WITHIN THE PERF. ARTS CENTER (6) CONVERSION OF EXISTING BOOKSTORE TO UNSPECIFIED AREA

ZONING DATA

COMPREHENSIVE INTEGRATED COLLEGE DEVELOPMENT DISTRICT (CICD)

| CLASSIFICATION: MINIMUM CAMPUS AREA | REQUIRED 75 ACRES | PROPOSED 225 ACRES (PI ZONING DISTRICT 15 ACRES (CO ZONING DISTRICT ACRES (TOTAL CAMPILE) |
|--|----------------------|--|
| MINIMUM/MAXIMUM CICD AREA | >10 / <15 ACRES | 240 ACRES (TOTAL CAMPUS) 13.81 GROSS ACRES 11.71 NET ACRES |
| MAXIMUM BUILDING LENGTH | 180' | 171' |
| MINIMUM BUILDING SEPARATION | | |
| BETWEEN BUILDING AND BUILDING | 45' | 45' |
| BETWEEN BUILDING AND PARKING STRUCTURE | 30' | 30' |
| MAXIMUM BUILDING HEIGHT | | •• |
| ACADEMIC AND PERFORMANCE FACILITIES | 50' | 49.9' |
| FLY LOFT | 65' | 64.1' |
| HOUSING AND SOCIAL FACILITIES | 45' | 44.9' BLDG, 1, 44.8' BLDG, 2 |
| PARKING STRUCTURE | 38' | 37.9' |
| MAXIMUM BUILDING COVERAGE - TOTAL (INCLUDES PARKING STRUCTURE) | 30% | 35.5%* |
| MAXIMUM BUILDING COVERAGE - INDIVIDUAL | | · |
| RESIDENCE HALL 1 (1.05 ACRES) | 10% | 7.6% |
| RESIDENCE HALL 2 (1.17 ACRES) | 10% | 8.5% |
| PERFORMING ARTS CENTER (0.77 ACRES) | 10% | 5.6% |
| MAXIMUM RETAIL SQUARE FOOTAGE | 5% OF GSF | 2.9% OF GSF *** |
| MINIMUM FACILITY SETBACK FROM SINGLE FAMILY RESIDENTIAL USE | 100' | 227.8' |
| MINIMUM ELEVATOR/STAIR TOWER ON PARKING STRUCTURE SETBACK | 10' | 10' |
| MAXIMUM LENGTH OF ELEVATOR/STAIR TOWER PROJECTION | 50' | 41.4' |
| MINIMUM LOADING AREA SETBACK | 5' | 5' |
| RIPARIAN BUFFER SETBACK | 50' | 82.5' |
| MAXIMUM IMPERVIOUS AREA | 82%** | 69% |
| | | |

BUILDING COVERAGE EXCEEDING 30% SHALL REQUIRE TWO SQUARE FEET OF OPEN SPACE DEDICATION PER ONE SQUARE FOOT OVER 30%. 33,106 SF EXCEEDING 30% BUILDING COVERAGE REQUIRES 66,212 SF OPEN SPACE DEDICATION. (87,120 SF PROVIDED) (REFER TO THIS SHEET FOR LOCATION OF PRESERVATION AREA)

** PROPOSED IMPERVIOUS CONDITIONS MUST BE A MINIMUM 10% REDUCTION FROM EXISTING IMPERVIOUS AREA MAIN LOT: 6.8 Ac + PIKE LOT: 4.0 Ac = 10.8 Ac/11.71 Ac = 92% EXISTING IMPERVIOUS COVERAGE - 10% = 82%

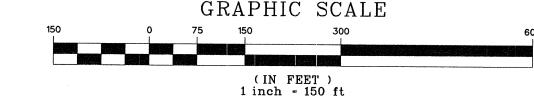
| *** | 5,101 SF (2A) + 9,369 SF (2B) + 125 SF (PAC) | = | 14,595 SF = | 2.9% OF GSF | |
|-----|---|---|-------------|-------------|--|
| | 194,558 SF (BUILDING 1) + 223,376 SF (BUILDING 2) * 79,400 SF (PAC) | | 497,334 SF | | |
| ^ | | | | | |

| | | -,, | () | 177,00-701 | | | |
|-----------------------------------|------------------|----------|------------------|------------|------------------------|----------|--|
| SETBACK CHART | ARTERIAL STREETS | | MINOR COLLECTORS | | RAILROAD RIGHTS-OF-WAY | | |
| | REQUIRED | PROPOSED | REQUIRED | PROPOSED | REQUIRED | PROPOSED | |
| PERFORMANCE AND SOCIAL FACILITIES | 35' | 38.2' | 30' | 65' | 50' | 332' | |
| HOUSING FACILITIES | 35' | 39' | 30' | 30' | 50' | 61.6' | |
| PARKING STRUCTURES | 120' | 169.5' | 20' | 21' | 30' | 30' | |
| SURFACE PARKING LOTS | 60' | 237.7' | 60' | 103' | 5' | 12' | |
| RETAIL SUBORDINATE USES | 35' | 39' | 30' | 30' | 50' | 234.4' | |

PROJECT SERIAL NO. 20112071972 CALL BEFORE YOU DIG! PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL

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435.0 43.2 (2 ADDITIONAL LEVELS) 430.0 43.9 **BUILDING 2C** BUILDING 2 432.3 433.3 43.7 44.8 (<45) PIKE GARAGE 427.8 421.7 44.0 37.9 (<38) PERF. ARTS CENTER 432,0 434,5 47.3 49.9 (<50) PAC FLY TOWER 432.0 434.5 61.5 64.1 (<65) DRISCOLL TENNIS COURTS PARKING GARAGE ALUMI HALL CONNELLY CENTER HEALTH SERVICES TOLENTINE HALL ST. THOMAS MONASTERY **AUSTIN HALL** T. RITA HALL **VASEY HALL** DOUGHERTY BARTLEY T. THOMAS OF VILLANOVA CHURCH MIDDLETON - CICD DISTRICT PEDESTRIAN -BRIDGE JAKE NEVIN FIELDHOUSE LANCASTER AVENUE **PERFORMING** THE THE PARTY OF T ARTS CENTER R-3 PIKE GARAGE ALDWYN TRIANGLE 5.18 AC. TOTAL PIKE SOFTBALL FIELD TO BE PRESERVED ADDITIONAL AREA TO BE PRESERVED = 3.18 ACPRESERVATION AREA; TO SATISFY MINIMUM CICD REQUIREMENTS = 2.00 AC.* STANFORD HALL DRAFT CONDITIONAL USE APPLICATION CONDITIONS: ST. MONICA HALL ON NOVEMBER 24, 2014, THE RADNOR TOWNSHIP BOARD OF COMMISSIONERS GRANTED THE CONDITIONAL USE APPLICATION OF VILLANOVA UNIVERSITY. THE GRANTING OF THIS APPLICATION IS SUBJECT TO THE FOLLOWING CONDITIONS: THE APPLICANT SHALL COMPLY WITH ALL OTHER APPLICABLE TOWNSHIP ORDINANCES AND SHALL SUBMIT A LAND SOUTH *ALDWYN TRIANGLE: DEVELOPMENT PLAN PURSUANT TO THE TOWNSHIP'S SUBDIVISION AND LAND DEVELOPMENT ORDINANCE PRIOR TO THE CAMPUS LAND PRESERVATION CALCULATIONS CONSTRUCTION OF ANY FACILITIES. THAT THE TRANSPORTATION, ROADWAY AND SIGNALIZATION AND IMPROVEMENTS NECESSARY FOR THE CONSTRUCTION HAVE FULL ACCESS TO ITHAN AVENUE FROM BOTH THE PIKE LOT PARKING GARAGE AND LANCASTER AVENUE HOUSING PARKING AREA WITH PROVISIONS FOR STOP CONTROL FOR BOTH PARKING ACCESSES TO ITHAN AVENUE AND A ALLOWABLE BUILDING COVERAGE: 13.81 AC x .30 = 4.14 ACRES KATHERINE PEDESTRIAN CROSSWALK BE REQUIRED IF APPROVED BY PENNDOT, UNLESS WAIVED BY THE BOARD OF COMMISSIONERS PROPOSED BUILDING/STRUCTURE COVERAGE: 4.90 ACRES DURING THE LAND DEVELOPMENT PROCESS. PROPOSED BUILDINGS = 2.99 AC THAT DURING THE LAND DEVELOPMENT PROCESS AN EVENT CIRCULATION PLAN BE DEVELOPED TO ADDRESS EVENT PROPOSED GARAGE = 1.91 AC PARKING AND TRAFFIC CIRCULATION WITH THE RADNOR TOWNSHIP POLICE DEPARTMENT AND TOWNSHIP TRAFFIC ENGINEER OUTLINING PROCEDURES, TRAFFIC PATTERNS, PARKING CONFIGURATIONS AND WAY FINDING TECHNIQUES BUILDING COVERAGE ABOVE 30% = 0.76 ACRES (4.90 - 4.14) FOR THE VARIOUS SPORTING AND OTHER EVENTS HELD AT THE UNIVERSITY. UPON DEVELOPMENT OF THE EVENT CIRCULATION PLAN, VILLANOVA SHALL BE RESPONSIBLE FOR CONSTRUCTING AND/OR INSTALLING SUCH SIGNS, REQUIRED LAND PRESERVATION = 0.76 x 2 = 1.52 ACRES STRUCTURES, OR OTHER DIRECTIONAL AIDS NECESSARY TO IMPLEMENT THE EVENT CIRCULATION PLAN. THAT VILLANOVA UNIVERSITY CONTRIBUTES THE SUM OF ONE HUNDRED SEVENTY-FIVE THOUSAND DOLLARS (\$175,000.00) CAUGHLIN PROPOSED UNRESTRICTED LAND PRESERVATION AREA = 2.00 ACRES TOWARDS THE DESIGN, APPROVAL AND INSTALLATION OF A TRAFFIC ADAPTIVE SIGNAL SYSTEM THAT WOULD PROPOSED LAND PRESERVATION AREA PER CONDITIONAL USE DECISION #7 = 5.18 ACRES INCORPORATE THE FOLLOWING SIGNALIZED INTERSECTIONS ALONG LANCASTER AVENUE: SPROUL ROAD / SPRING MILL ROAD; ALDWYN LANE / KENILWORTH STREET CHURCH WALK ITHAN AVENUE LOWRYS LANE GENERAL NOTES: AIRDALE ROAD COUNTY LINE ROAD

ST. AUGUSTINE CENTER

SAC PARKING GARAGE

494 PROPOSED PARKING SPACES

MENDEL SCIENCE CENTER

THAT DURING THE LAND DEVELOPMENT PROCESS AN EMERGENCY EVACUATION PLAN FOR THE NEW STUDENT HOUSING

THAT APPROPRIATE FENCING BE PROVIDED ON BOTH THE NORTH AND SOUTH SIDES OF LANCASTER AVENUE IN THE AREA

THAT THE UNIVERSITY PRESERVE THE ENTIRE AREA KNOWN AS THE ALDWYN TRIANGLE AND RESTRICT IT AS OPEN SPACE

EXCEPT FOR THAT PORTION OF THE AREA NECESSARY TO PROVIDE HANDICAP ACCESSIBILITY IMPROVEMENTS FOR THE

THAT VILLANOVA SEEK PERMISSION FROM PECO TO PLANT SCREENING ON THE SOUTH SIDE OF THE PECO R-100 LINE TO

VISUALLY SCREEN THE SEPTA BRIDGE FROM THE ADJACENT RESIDENTIAL NEIGHBORS. PROVIDED THAT THE APPLICANT

RECEIVES PERMISSION, VILLANOVA SHALL PROVIDE AN INSTALLATION AND MAINTENANCE PLAN OF THE VEGETATION

CONNECTION WITH THE DEVELOPMENT AND/OR CONSTRUCTION OF THE PROPOSED PROJECT. THE PURPOSE OF THIS

DURING THE LAND DEVELOPMENT PROCESS, THE APPLICANT SHALL USE ITS BEST EFFORTS TO DEVELOP AND CONSTRUCT

STORMWATER MANAGEMENT ORDINANCE. THE APPLICANT SHALL CONDUCT SOIL TESTING AS NECESSARY TO DETERMINE

STORMWATER MANAGEMENT FACILITIES, INCLUDING GREEN INFRASTRUCTURE PRACTICES AND COMPONENTS THAT

MEET OR EXCEED INFILTRATION OR RETENTION REQUIREMENTS AS CURRENTLY REQUIRED BY THE RADNOR TOWNSHIP

WHETHER THE SITE CAN ACCOMMODATE VOLUME MANAGEMENT IN EXCESS OF 1-INCH OF RUN-OFF FROM ALL IMPERVIOUS SURFACES RESULTING FROM THE PROJECT. IF SOIL TESTING INDICATES THAT IT IS POSSIBLE TO PROVIDE

VOLUME MANAGEMENT IN EXCESS OF 1-INCH OF RUN-OFF, THE APPLICANT SHALL CONSTRUCT SUCH NECESSARY

PLANS IN ORDER TO ACCOMMODATE THE INCREASED WASTEWATER DISPOSAL GENERATED BY THE PROJECT.

13. THE APPLICANT SHALL DEVELOP A TRAFFIC PLAN DURING THE LAND DEVELOPMENT PROCESS DELINEATING THE PATHS

THE APPLICANT SHALL OBTAIN REVISIONS TO BOTH THE RADNOR TOWNSHIP AND LOWER MERION TOWNSHIP ACT 537

BY WHICH THE EXISTING POPULATION OF COMMUTING AND PART-TIME STUDENTS WILL BE DIRECTED TO AND FROM

THE APPLICANT SHALL PERMIT PARISHIONERS TO PARK, ON A SPACE AVAILABLE BASIS, ON THE NORTH SIDE OF LANCASTER AVENUE ON EXISTING VILLANOVA PROPERTY ADJACENT TO THE CHURCH FOR CHURCH RELATED EVENTS.

THE APPLICANT SHALL INSURE THAT NO AMPLIFIED MUSIC OR OTHER EXCESSIVE NOISE SHALL EMANATE FROM ANY OF

THE SOUTH FACING DORMITORIES. DURING THE LAND DEVELOPMENT PROCESS, THE TOWNSHIP AND APPLICANT SHALL

THE APPLICANT SHALL MAINTAIN A PEDESTRIAN CROSSWALK FROM THE PROPOSED PROJECT SITE TO THE EXISTING

ESTABLISH A PERMISSIBLE SOUND LEVEL AT THE PROPERTY BOUNDARY OF THE ALDWYN LANE RESIDENTIAL USES.

NECESSARY FOR THIS SCREENING DURING LAND DEVELOPMENT.

10. VILLANOVA SHALL PROVIDE RADNOR TOWNSHIP WITH A LIST OF CONTRACTORS, SUBCONTRACTORS AND VENDORS

AND THEIR ADDRESSES WITHIN TWENTY (20) DAYS OF THE EXECUTION OF ANY CONTRACTS BY VILLANOVA IN

IST IS TO PERMIT THE TOWNSHIP TO AUDIT FOR REQUIRED BUSINESS/MERCANTILE TAXES.

STORMWATER FACILITIES ON THE SITE TO ACCOMMODATE THIS INCREASED VOLUME.

THAT A LANDSCAPE AND BUFFER PLAN BE DEVELOPED TO COMPLY WITH SECTION 280-68.1.D.(3)(b) OF THE ZONING

OF THE CHURCH WALK PEDESTRIAN BRIDGE IN AN EFFORT TO RESTRICT PEDESTRIAN TRAFFIC FROM ACCESSING THE

CAMPUS. A GATE SHALL BE PROVIDED FOR VEHICULAR AND PEDESTRIAN ACCESS DURING CHURCH EVENTS IF

APPROVED BY THE BOARD OF COMMISSIONERS.

PARKING FOR EACH PHASE OF THE CONSTRUCTION.

CHURCH AT THE PRESENT CHURCH WALK LOCATION.

ADJACENT SEPTA RAIL LINE.

. THIS PLAN IS BASED ON A SURVEY CONDUCTED IN THE FIELD BY NAVE NEWELL, INC., AND COMPLETED AUGUST 8, 2011 PROPERTY AS SHOWN IS IN NON-FLOOD PRONE COMMUNITY AS DEPICTED ON THE FEDERAL EMERGENCY AGENCY FIRM FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 42045C0050F PER NO. 42045CINDOA, MAP REVISED NOVEMBER 18, 2009. 3. LOCATIONS OF EXISTING UTILITIES AS SHOWN HEREIN HAVE BEEN DEVELOPED FROM EXISTING UTILITY RECORDS, PLANS BY OTHERS AND/OR ABOVE GROUND EXAMINATION OF SITE. THE COMPLETENESS OR ACCURACIES OF THE LOCATIONS ARE NOT GUARANTEED. SHOULD ANY NEW CONSTRUCTION BE PROPOSED, THE CONTRACTOR MUST VERIFY LOCATIONS AND DEPTHS OF ALL UTILITIES BEFORE START OF WORK.

4. NO REVIEW OF THE PROPERTY REGARDING THE PRESENCE OF WETLANDS WAS ACCOMPLISHED AS A PART OF THIS SURVEY EXCEPT WHERE SHOWN 5. NO REVIEW OF THE PROPERTY REGARDING THE PRESENCE OF HAZARDOUS MATERIAL WAS ACCOMPLISHED AS A PART OF

6. THE PROPOSED USES ARE TO BE SERVICED BY PUBLIC SEWER (LOWER MERION TOWNSHIP) AND PUBLIC WATER (AQUA PA).
7. ALL PROPOSED UTILITIES IN CONJUNCTION WITH THIS SITE SHALL BE PLACED UNDERGROUND.
8. PURSUANT TO SECTION 420 OF THE ACT OF JUNE 1, 1945, (PL1242, NO. 428), KNOWN AS THE "STATE HIGHWAY LAW", PENNDOT HIGHWAY OCCUPANCY PERMITS ARE REQUIRED FOR ANY PROPOSED CONSTRUCTION WITHIN THE RIGHT-OF-WAY OF LANCASTER AVENUE, S.R. 0030. ALL CONSTRUCTION IS TO BE IN COMPLIANCE WITH THE STANDARDS AND SPECIFICATIONS OF RADNOR TOWNSHIP 10. THE PROPOSED BUILDING FOOTPRINTS NOTED ON THE PLAN ARE SCHEMATIC. THE ACTUAL ARCHITECTURAL PLANS SHALL BE UTILIZED FOR BUILDING CONSTRUCTION AND MUST BE NO LARGER THAN SCHEMATIC FOOTPRINT SHOWN. THE PROPOSED

GRADING AND UTILITY CONNECTIONS ARE TO BE COORDINATED WITH THE ARCHITECTURAL PLANS, PRIOR TO CONSTRUCTION, TO AVOID ANY CONFLICTS. THE CONTRACTOR SHOULD NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. 11. THE PROPOSED SEWER AND WATER SERVICE CONNECTIONS ARE TO BE COORDINATED WITH THE ARCHITECTURAL PLANS TO ENSURE EXACT LOCATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITY CONNECTION LOCATIONS, AND SHOULD NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. 12. THE OWNER SHALL HAVE THE RESPONSIBILITY FOR THE PERPETUAL MAINTENANCE OF THE PERMANENT STORM WATER DETENTION BASINS AND BASIN OUTLET STRUCTURES. NO CHANGES SHALL BE MADE TO THE STRUCTURES, PIPES OR

FINISH GRADING WITHOUT PRIOR WRITTEN APPROVAL FROM THE TOWNSHIP. 13. NO BUILDING OR OBSTRUCTION THAT WOULD OBSCURE THE VISION OF A MOTORIST SHALL BE PERMITTED WITHIN THE 14. THE PROJECT WILL REQUIRE A "GENERAL NPDES PERMIT" FROM THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION SUBJECT TO OBTAINING APPROVED EROSION AND SEDIMENTATION CONTROL PLANS FROM THE DELAWARE

15. ALL CURVED SECTIONS OF CURBING SHALL HAVE A FIVE FOOT RADIUS (R=5"), UNLESS NOTED OTHERWISE AS SHOWN ON 16. THE INTENDED USE OF THE PROPOSED BUILDINGS ARE FOR STUDENT HOUSING AND ASSOCIATED RETAIL. 7. ULTIMATE RIGHT-OF-WAY OF ITHAN AVENUE, AS SHOWN, IS OFFERED FOR DEDICATION TO RADNOR TOWNSHIP AS PART OF

COUNTY CONSERVATION DISTRICT, PRIOR TO CLEARING OR EARTH MOVING ACTIVITY.

18. GRADING AND EROSION CONTROL PLANS MUST BE SUBMITTED AND APPROVED PRIOR TO ISSUANCE OF BUILDING PERMITS 19. NOISE EMANATING FROM THE SOUTH- FACING DORMS SHALL NOT 55 dBA AT NIGHTTIME AT THE PROPERTY BOUNDARY OF THE ALDWYN LANE RESIDENTIAL USES.

LEGEND PROPERTY IIN ——————— BUILDING SETBACK LINE ----- PARKING SETBACK LINE LEGAL RIGHT-OF-WAY LINE EXISTING EDGE OF PAVEMENT EXISTING BUILDING --- x ---- EXISTING FENCE EXISTING RETAINING WALL TITLE EXISTING RAILROAD TRACKS EXISTING WETLANDS LIMITS OF CICD DISTRICT PROPOSED RIGHT-OF-WAY LINE PROPOSED CURB PROPOSED EDGE OF PAVEMENT PROPOSED BUILDING PROPOSED DECORATIVE FENCE PROPOSED RETAINING WALL MINIMUM REQUIRED PRESERVATION AREA

ADDITIONAL PRESERVATION AREA PROVIDED

ZONING DISTRICT TABLE

C-1 LOCAL COMMERCIAL DISTRICT

CO COMMERCIAL-OFFICE DISTRICT

R-2 RESIDENCE DISTRICT

R-3 RESIDENCE DISTRICT

R-4 RESIDENCE DISTRICT

PI PLANNED INSTITUTIONAL DISTRICT

STRUCTURES

DAVIS CENTER

Church Walk and Bridge Lancaster and Ithan Avenues Villanova PA 19085

Villanova University

VMA **RAMSA**

ARCHITECT-OF-RECORD Voith & Mactavish Architects LLP 2401 Walnut Street, 6th Floor Philadelphia, PA 19103 phone: 215-545-4544

DESIGN ARCHITECT Robert A.M. Stern Architects LLP 460 West 34th Street New York, New York 10001 phone: 212-967-5100

www.voithandmactavish.com

fax: 212-967-5588 www.ramsa.com CIVIL ENGINEER Nave Newell Inc.

fax: 215-545-3299

900 West Valley Road, Suite 1100 Wayne, PA 19087 phone: 610-265-8323 fax: 610-265-4299 www.navenewell.com

STRUCTURAL ENGINEER - PARKING PLANNING AND DESIGN The Harman Group, Inc. 900 West Valley Forge Road, Suite 200 King of Prussia, PA 19406 phone: 610-337-3360 x 118 voice

mobile phone: 610-334-0974 fax: 610-337-3359 www.HarmanGroup.com MEP&FP ENGINEER

Bala Consulting Engineers, Inc. 443 South Gulph Road King of Prussia, PA 19406 phone: 610-649-8000 fax: 910-649-8475 LANDSCAPE ARCHITECT

Sikora Wells Appel 8 Kings Hwy West, Suite A Haddonfield NJ 08033 phone dir: 856-433-6377 phone main: 856-433-6380 phone cell: 267-303-3753 www.sikora-wa.com

ELEVATOR CONSULTANT Zipf Associates Inc. 25 Bala Avenue, Suite 201 Bala Cynwyd, PA 19004 phone: 610-667-1717 fax:610-667-0216

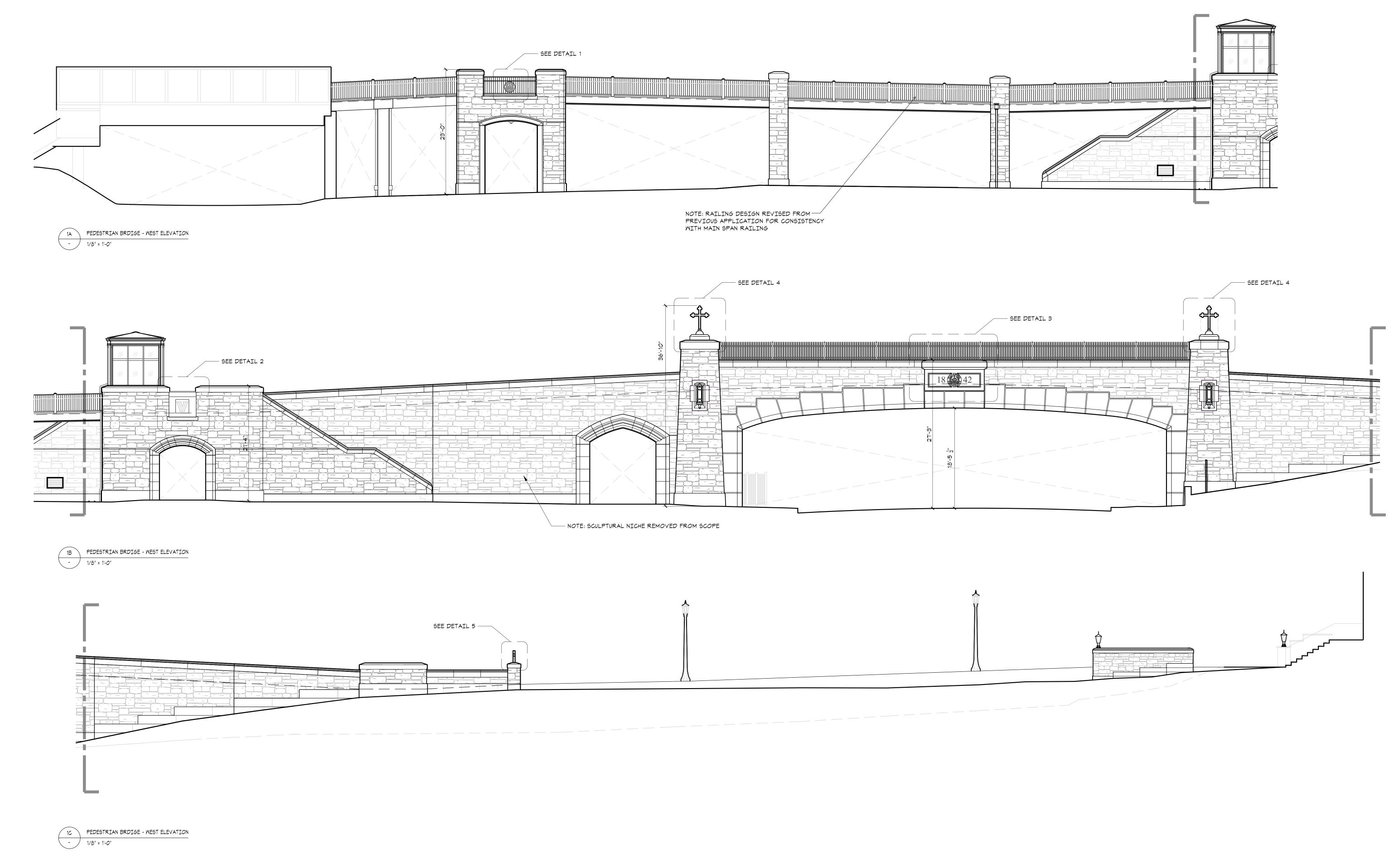


FINAL LAND DEVELOPMENT SUBMISSION

Revision #4 August 10, 2015 March 13, 2015 Composite Site Plan

Scale 1" = 150' Drawn By MMB

Contractor to verify all dimensions in field and inform Architect of any discrepancies before starting work.



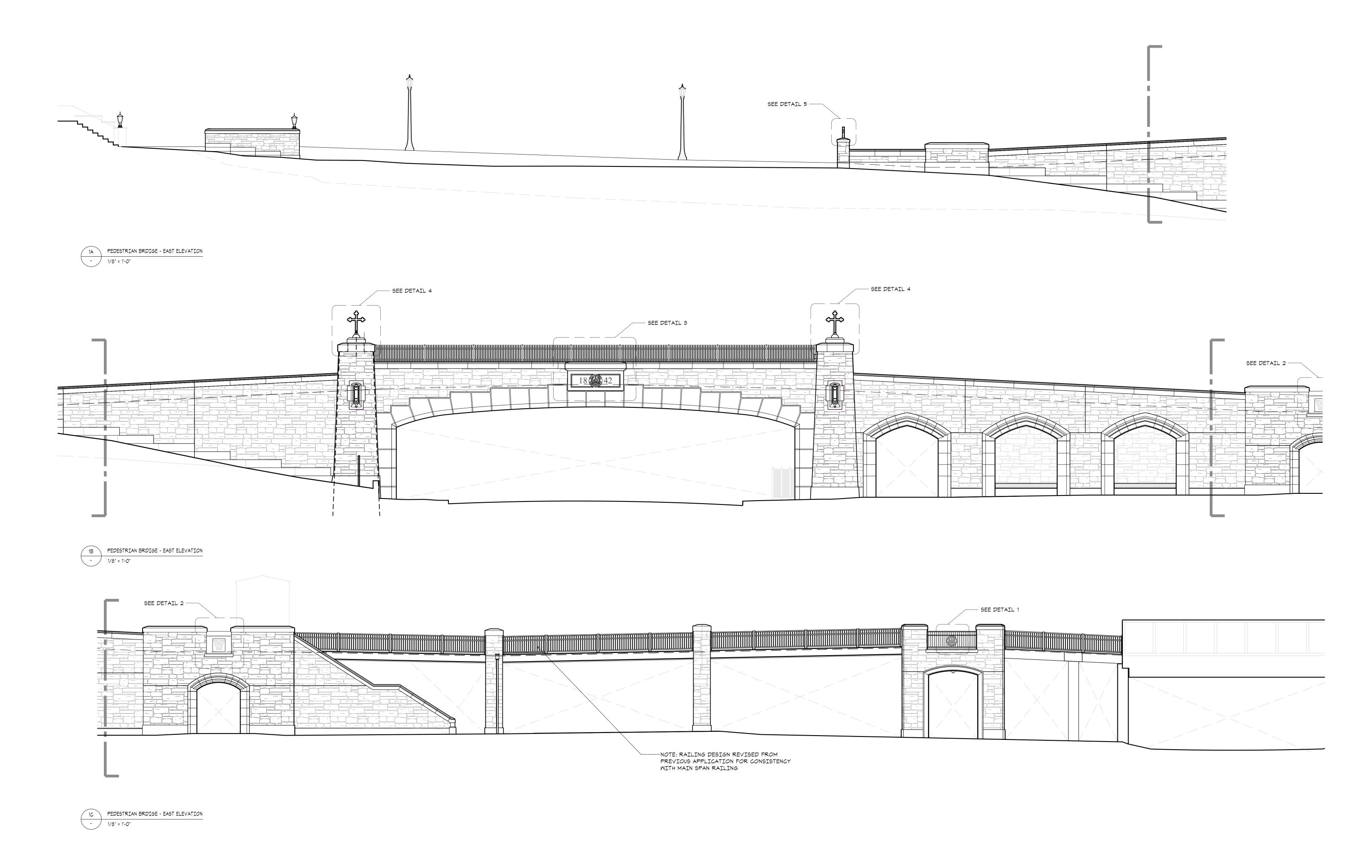
Villanova University - Pedestrian Bridge Exterior Elevations - Sheet 1 of 2

ROBERT A.M.

STERN

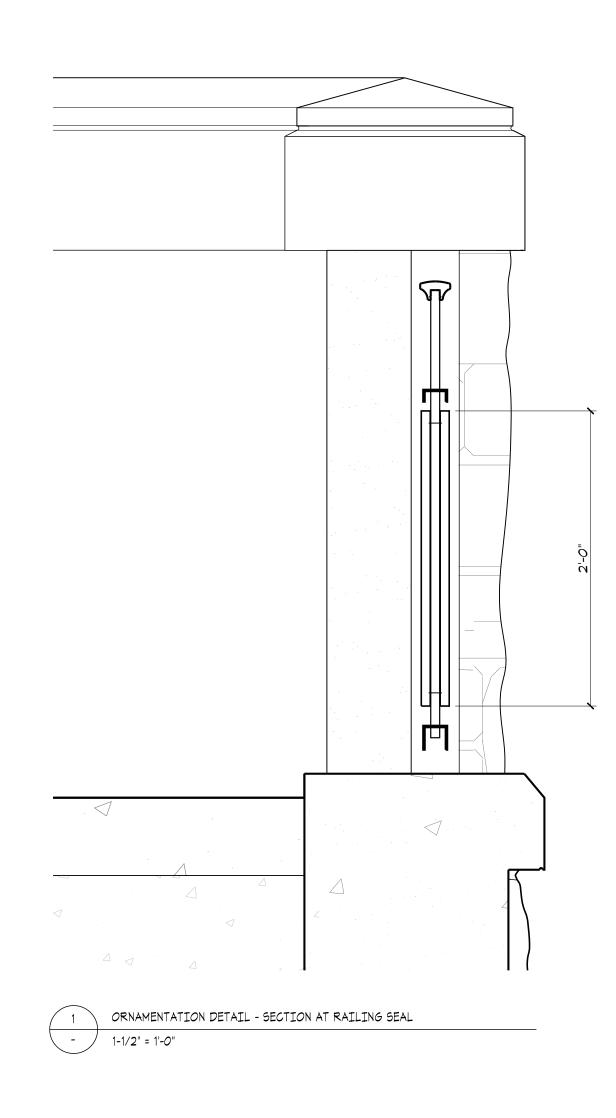
ARCHITECTS

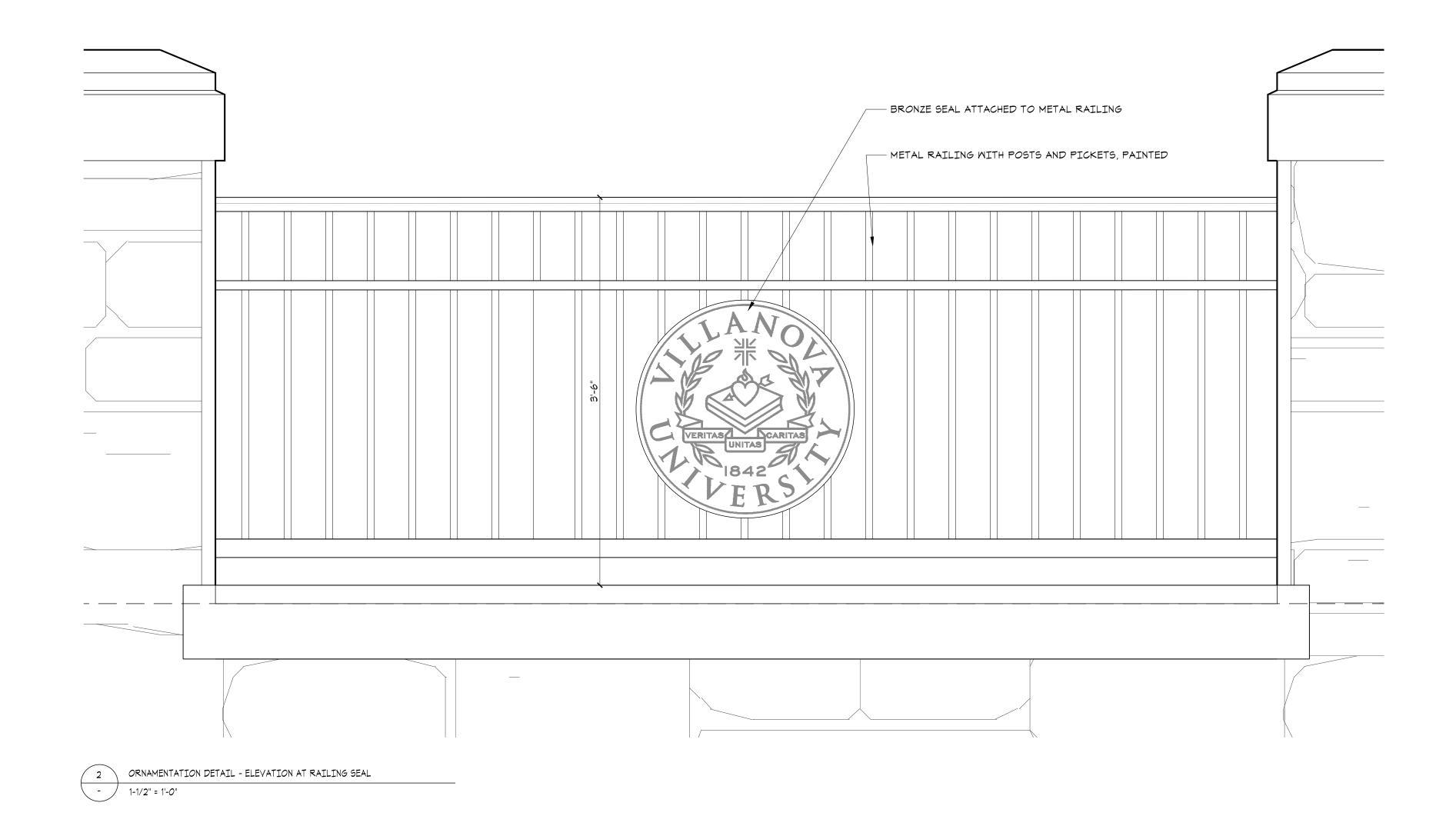
VOITH & MACTAVISH ARCHITECTS



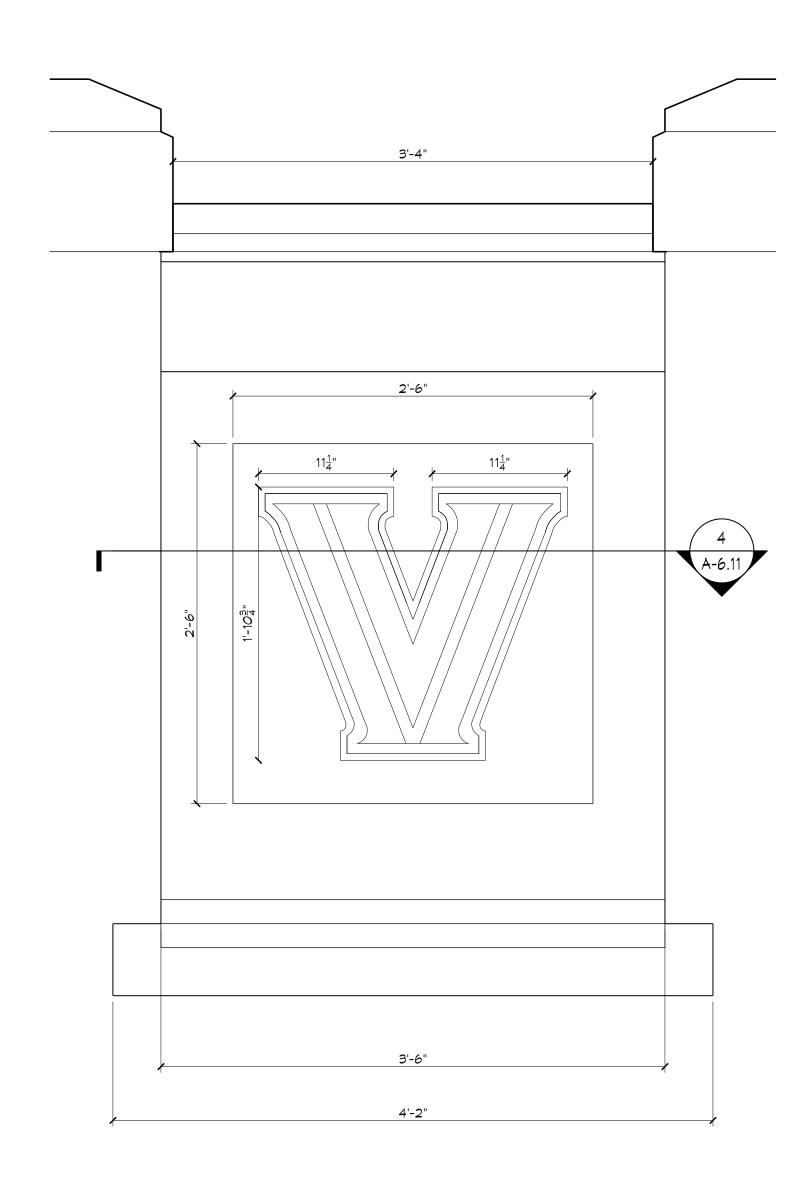
Villanova University - Pedestrian Bridge Exterior Elevations - Sheet 2 of 2



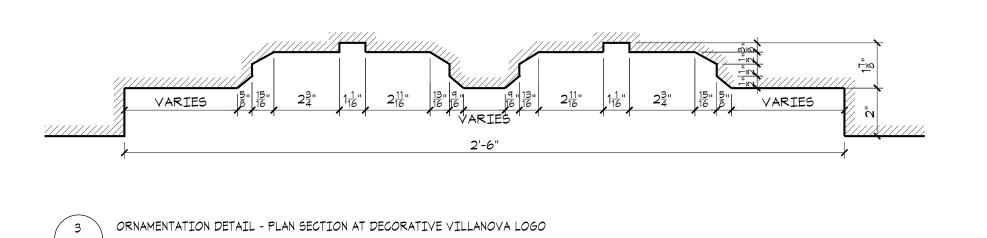


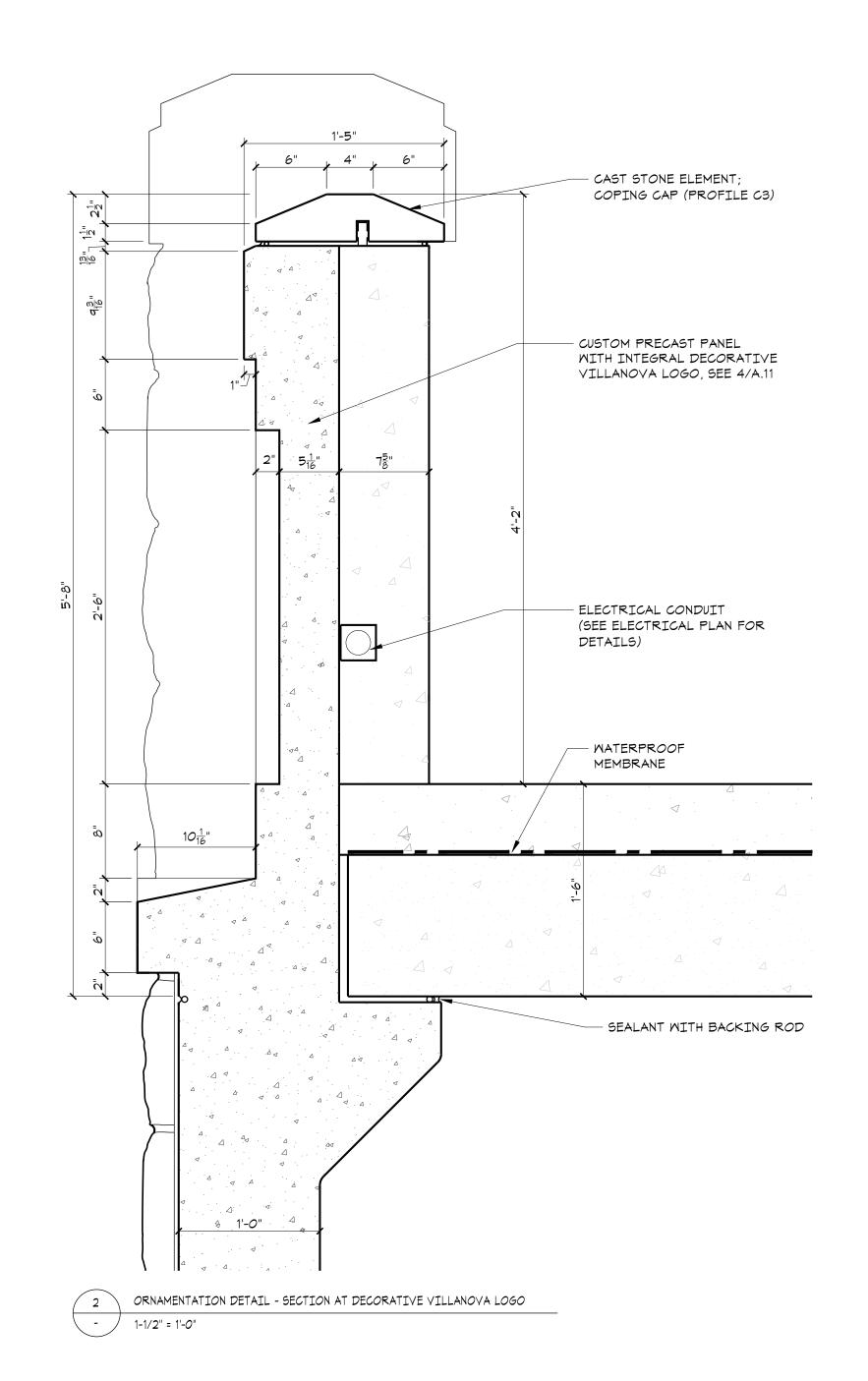


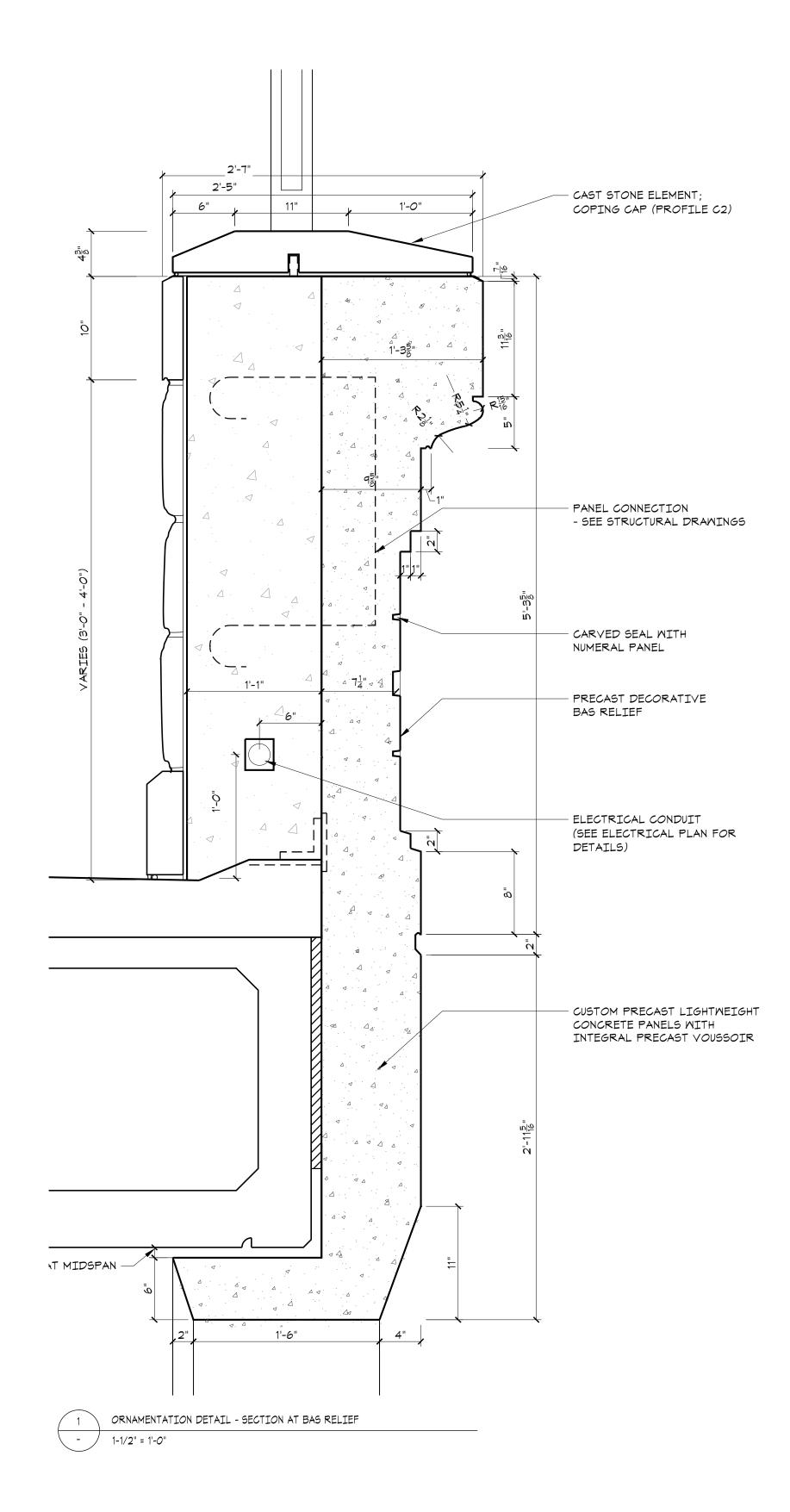


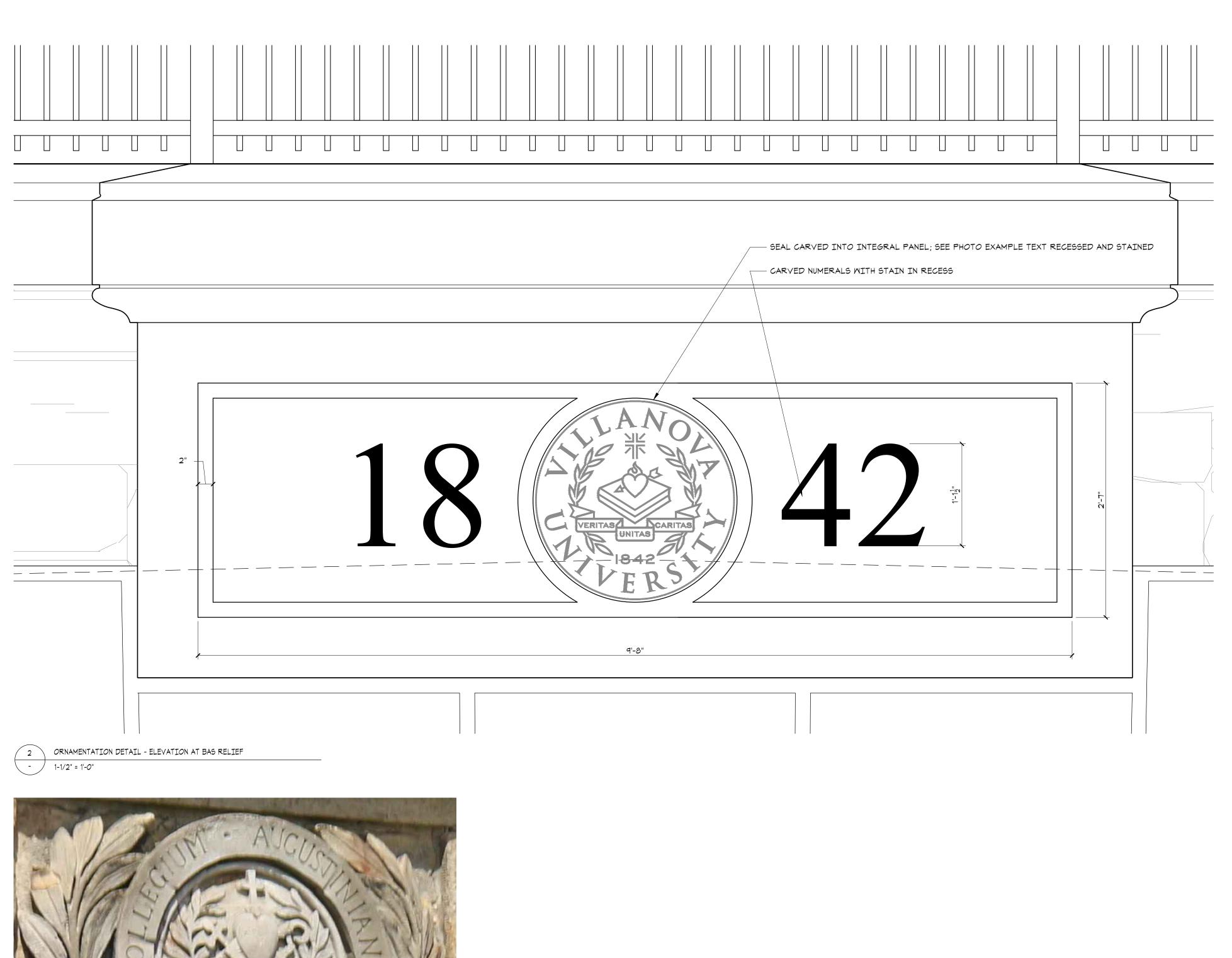










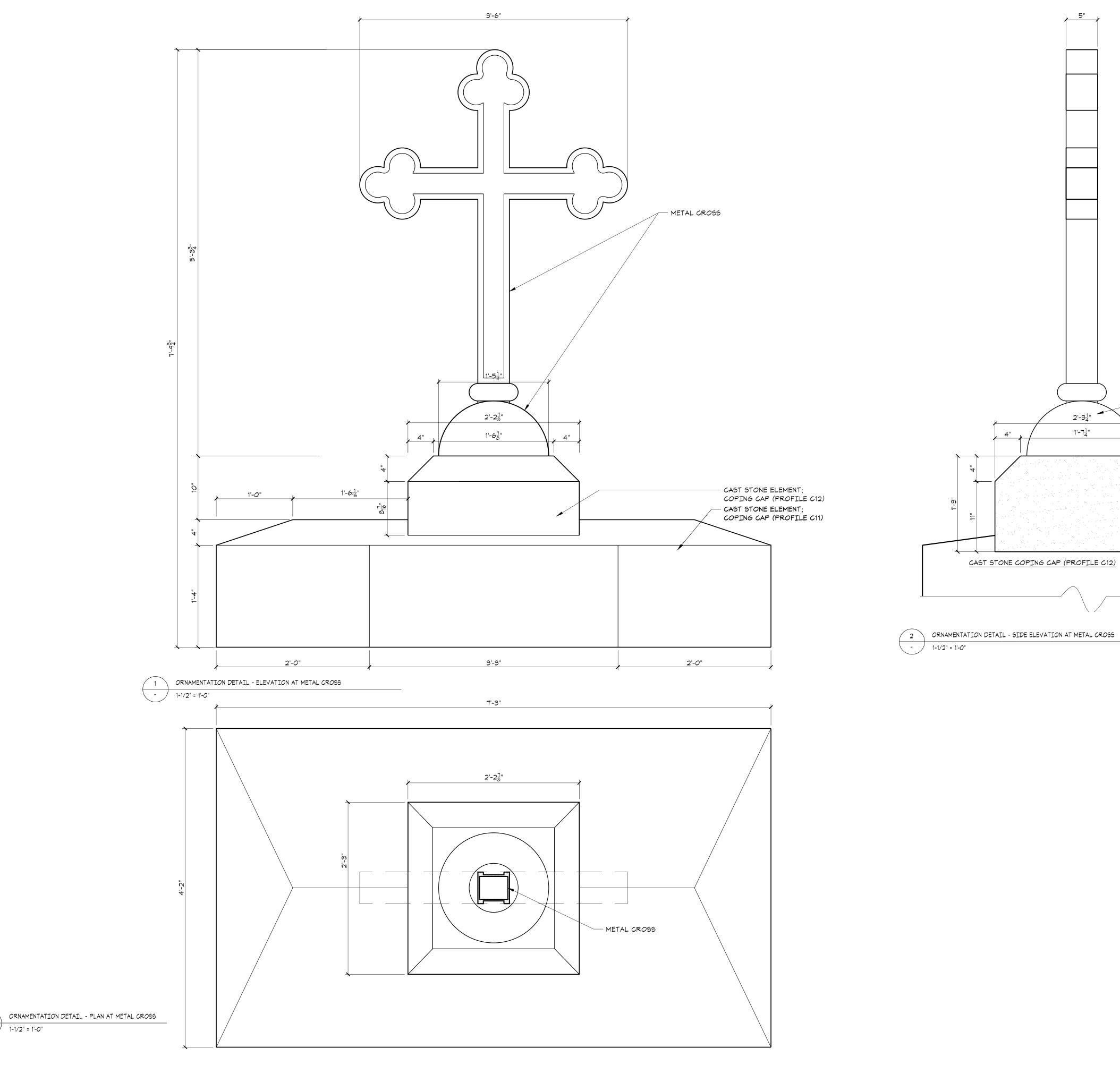




(PHOTO EXAMPLE SHOWN FOR GENERAL APPROACH , NOT CONTENT)

ORNAMENTATION DETAIL - PHOTO EXAMPLE

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



Villanova University - Pedestrian Bridge Ornamentation Detail - Sheet 4 of 5

- METAL CROSS

COPING CAP (PROFILE C12)

- CAST STONE ELEMENT;

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







ORNAMENTATION DETAIL - EXISTING STONE CROSSES

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