

PROPOSED 10TH STREET REALIGNMENT PROJECT (BY OTHERS)

RAISE RIM ELEVATION OF EXISTING INLET:
 EX. RIM EL = 38.70
 PR. RIM EL = 40.00

APPROX. DPW LIGHT POLE LOCATION (TYP.)

N. 10th ST.

EXISTING STORM MANHOLE

LANDSCAPE PORTAL (REFER TO ARCHITECTURAL PLANS FOR DETAILS)

IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE CALL SYSTEM" NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM WORK CONTAINED ON THIS DRAWING, AND FURTHER, EXCAVATOR SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATOR'S WORK.

6/2/2008 5:32:19 PM I:\pba\2008\2008060308-01\GAD\Site\dm\Porta\c.01_PORTRALD1_368.dgn



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

One Honey Creek Corporate Center
125 South 84th Street, Suite 401
Milwaukee, WI 53214-1470
414.259.1500
FAX 259-0037
Web Site: www.gasai.com

Other Offices Located In:
Green Bay, Wisconsin
Madison, Wisconsin
Chicago, Illinois
Fort Myers, Florida
Phoenix, Arizona

PROJECT NAME:
**MARQUETTE UNIVERSITY
STRAZ TOWER PARKING
LOT RENOVATIONS**

SHEET TITLE:
10th & Michigan Portals Site


THE KUBALA WABIATKO ARCHITECTS INC.
3411 15th Street, Suite 200
Oak Brook, IL 60151-3801
Tel: 708.571.1000
Fax: 708.571.1001

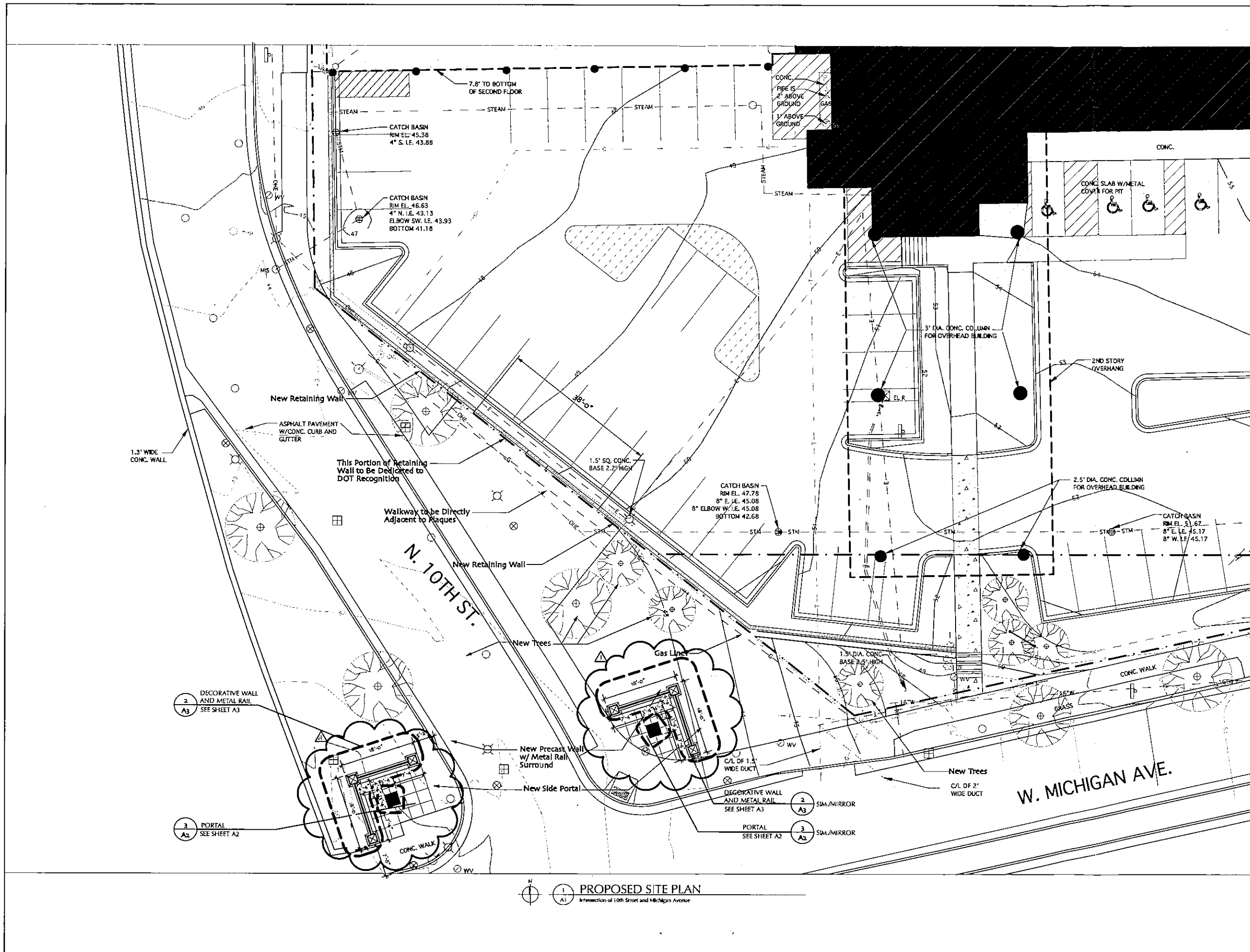
NO.	DATE	REVISIONS	BY
1	5/23/08		TH

PROJECT NUMBER: 175507
DATE: 03/10/06
DRAWN BY: TH
CHECKED BY:
PROJECT MANAGER: JH
SCALE: 1"=10'-0"
FILE: A1M10thMichSITE.dwg

M2436_38691

SHEET NUMBER

A.1



PROPOSED SITE PLAN
Intersection of 10th Street and Michigan Avenue



**GRAEF
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125 South 84th Street, Suite 401
Milwaukee, WI 53214-1470
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Web Site: www.gsaai.com

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Phoenix, Arizona

PROJECT NAME:
**MARQUETTE UNIVERSITY
STRAZ TOWER PARKING
LOT RENOVATIONS**

SHEET TITLE:
10th & Michigan Entry Portals

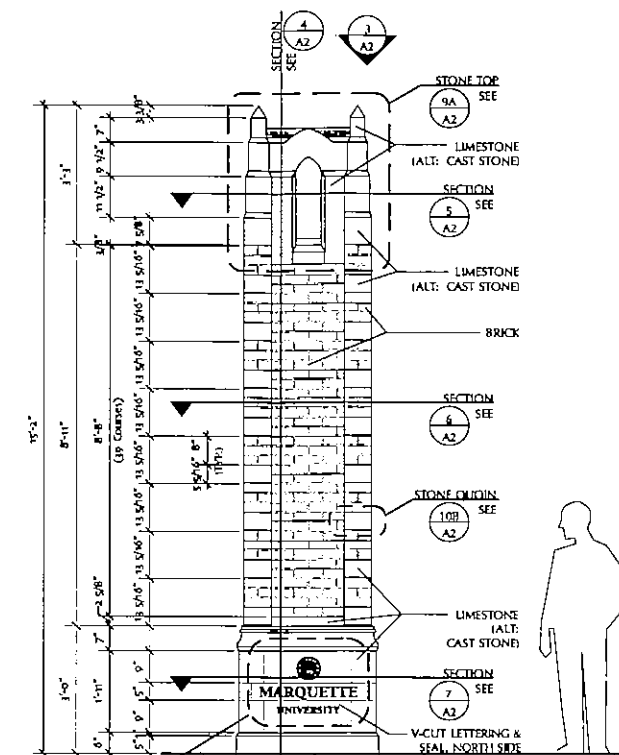
THE KUBALA WASHATKO ARCHITECTS INC.
441 North Lincoln Avenue
Madison, WI 53703
608.261.1111
www.kwa.com

NO.	DATE	REVISIONS	BY
PROJECT NUMBER:	1T550T		
DATE:	02/25/08		
DRAWN BY:	TH		
CHECKED BY:			
PROJECT MANAGER:	JH		
SCALE:	1/2" = 1'-0" and 1" = 1'-0"		
FILE:	A2MU10thMichPORT.dwg		

M2436_38891

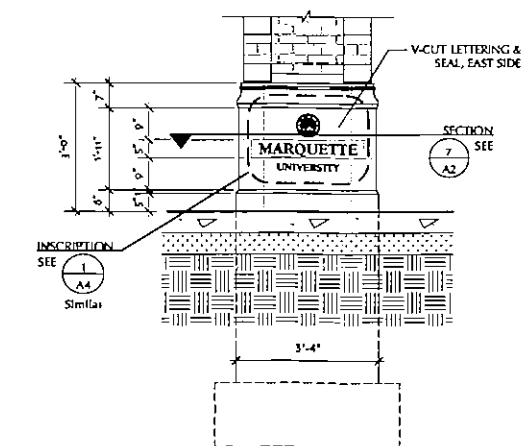
SHEET NUMBER

A.2

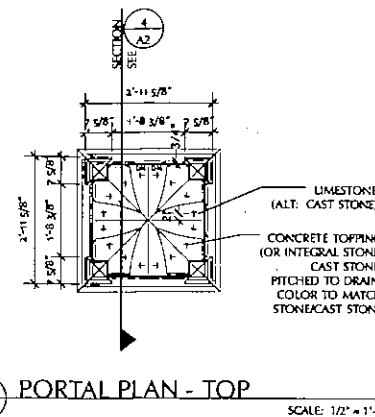


1 PORTAL ELEVATION - Michigan Ave.
Opposite Elevation No Seal/Lettering
SCALE: 1/2" = 1'-0"

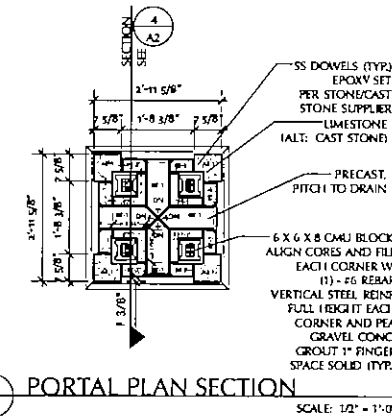
Two (2) Portals Total, Each with Seal/
Lettering Facing Street as Called Out



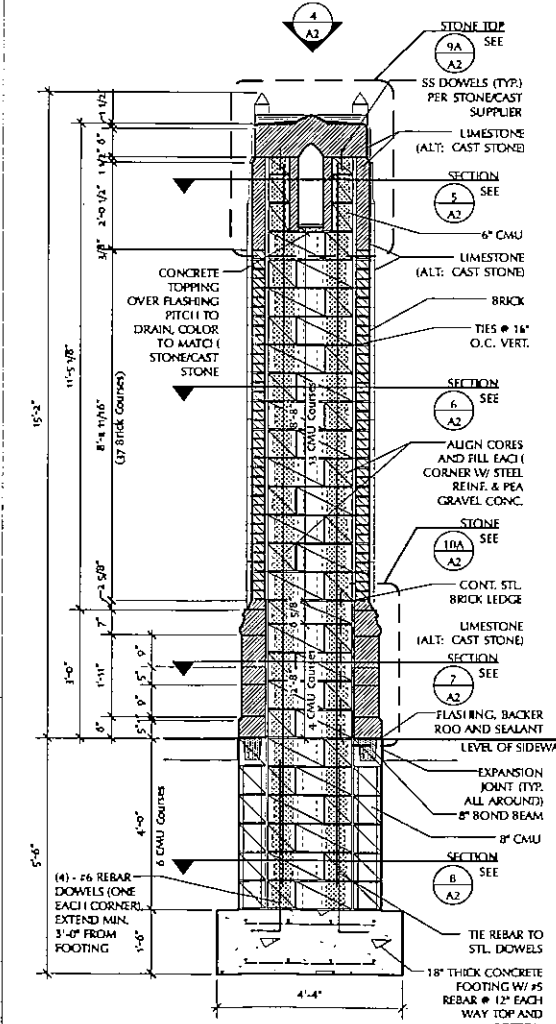
2 PORTAL ELEVATION - 10th Street
Opposite Elevation No Seal/Lettering
SCALE: 1/2" = 1'-0"



3 PORTAL PLAN - TOP
SCALE: 1/2" = 1'-0"

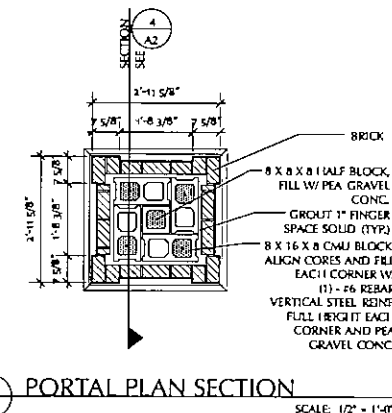


5 PORTAL PLAN SECTION
SCALE: 1/2" = 1'-0"

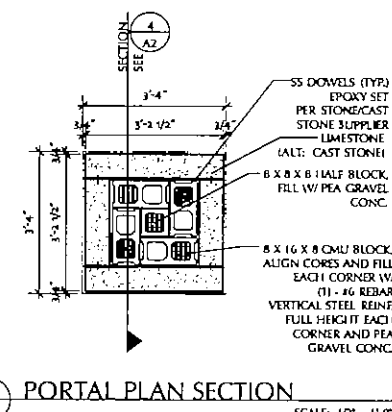


4 PORTAL SECTION
SCALE: 1/2" = 1'-0"

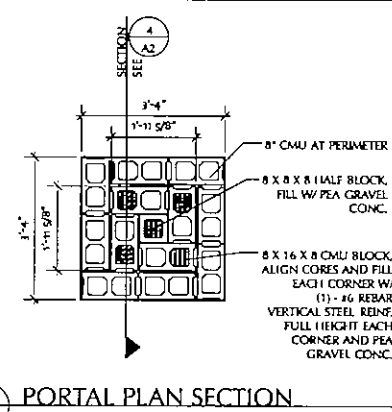
PROVIDE FOOTING 6" WIDER
THAN PIER ALL AROUND,
FOR PLACING PIER IN CASE
FOOTING IS OFF.



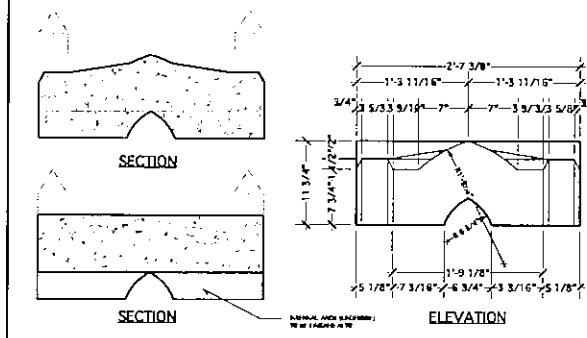
6 PORTAL PLAN SECTION
SCALE: 1/2" = 1'-0"



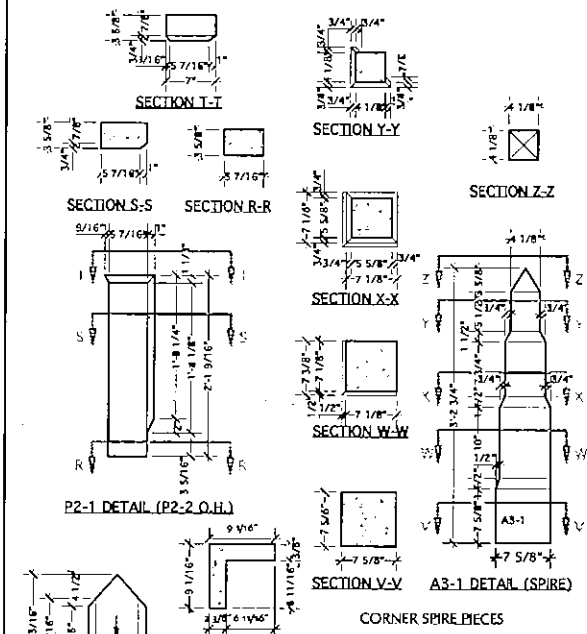
7 PORTAL PLAN SECTION
SCALE: 1/2" = 1'-0"



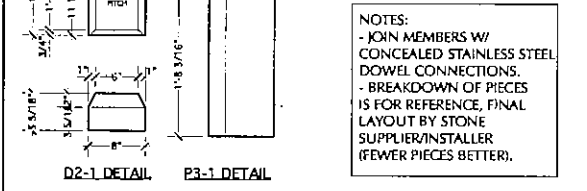
8 PORTAL PLAN SECTION
SCALE: 1/2" = 1'-0"



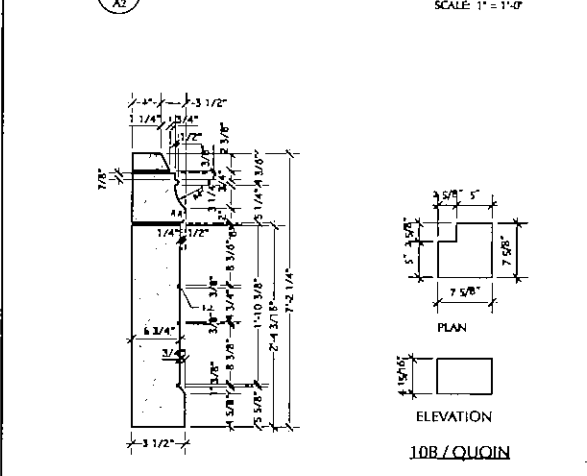
9 STONE/CAST STONE PROFILES
SCALE: 1" = 1'-0"



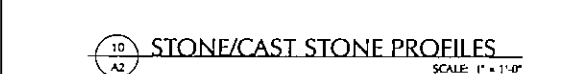
10 STONE/CAST STONE PROFILES
SCALE: 1" = 1'-0"



10A / BASE



10B / QUOIN

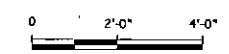


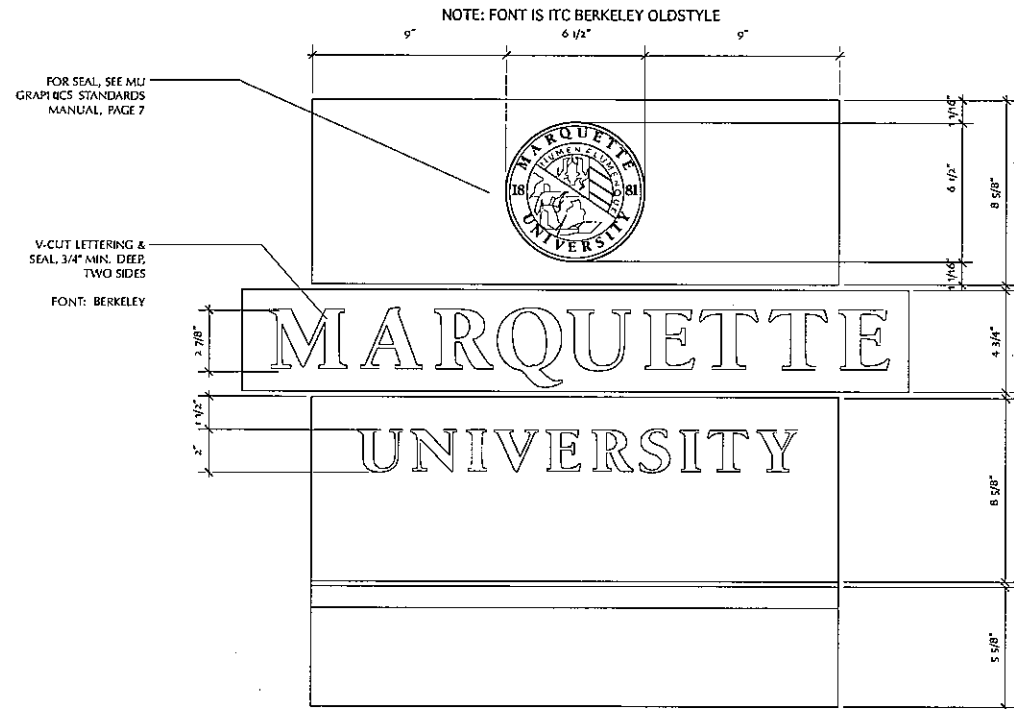
10A / BASE



10B / QUOIN

NOTES:
- JOIN MEMBERS W/
CONCEALED STAINLESS STEEL
DOWEL CONNECTIONS.
- BREAKDOWN OF PIECES
IS FOR REFERENCE, FINAL
LAYOUT BY STONE
SUPPLIER/INSTALLER
(FEWER PIECES BETTER).





1
A4
STONE / CAST STONE
Inscription
SCALE: 3" = 1'-0"

Division 1: GENERAL CONDITIONS:

The "General Conditions of the Contract for Construction" AIA Document A201, 1997 edition are hereby made part of this entire Specifications and Contract Documents with the same force and effect as though set forth in full herein.

- PROVISIONS:** The following conditions, drawings, and specifications including all modifications thereof incorporated into the contract documents shall form the Contract and govern in the performance of all the Work under this contract. The term "Work" shall include all materials and labor unless otherwise noted herein.
- DIMENSIONS:** All dimensions and conditions shall be checked and verified by each subcontractor before their work begins. Any errors or discrepancies shall be brought to the attention of the Owner. All noted dimensions take precedence over scale. Dimensions shall be to face of wall or object unless otherwise noted.
- SURVEYS AND GRADES:** The Owner shall have the lot surveyed, location staked, and the grade set to meet approval of the local building code and zoning requirements. The Contractor shall also conform to the site plan included within the Construction Documents for the School of Dentistry.
- BIDS:** The Owner reserves the right to accept or reject any and all bids with no obligation to any bidder.
- CONTRACTOR'S RESPONSIBILITY:** The Contractor shall be fully responsible under this contract for its faithful execution, including all supplies, materials, tools, equipment, labor, etc. required for completion of the Work, as noted in the specifications and/or drawings, as well as the Contractor's individual construction clean-up.
- PERMITS AND REGULATIONS:** The Contractor shall acquire and pay for the necessary building permits, and all sub-contractors must take out their own permits for their respective trades and pay for same. All Work shall be done according to local and state laws, ordinances, and codes including OSHA regulations.
- MATERIALS:** All materials shall be new and according to the intent of the drawings and specifications unless specifically stated to the contrary, and each item shall be of good quality. When a material is referred to by trade name, manufacturer, or model number, such a reference is for the convenience in establishing the type and quality of the material which is desired, and does not give preference to the manufacturer, nor does it limit the use of any other material which is of the same type and quality. If substitution is desired, it must be submitted to the Architect for approval.
- SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND SIMILAR REQUIREMENTS:** The Contractor shall review, approve and submit to the Architect three (3) sets of shop drawings, product data, samples, and similar submittals required by the Contract Documents with reasonable promptness. The Work shall be in accordance with approved submittals. When professional certificates of performance criteria of materials, systems, or equipment is required by the Contract Documents, the Architect shall be entitled to rely upon the accuracy and completeness of such certifications.
- WORKMANSHIP:** Work of all trades shall be neat and of workmanlike manner comparable to current standard field and shop practices. All Contractors shall warranty their work for minimum one year from the date of occupancy.
- INSURANCE:** The Contractor and all Sub-contractors shall carry adequate public liability, property damage, and Worker's Compensation insurance and shall submit certificates to show the same to the Owner prior to the start of construction. The Owner and Architect are to be indemnified and held harmless from all accidents arising out of the Contractor's operation.
- INSURANCE:** The Owner shall carry Property Owner's insurance on the structure and upon materials on the site. In the event of loss, payment shall be made to the Owner and Contractor per their appeared interests.
- CHANGES AND EXTRA WORK:** Without invalidating the Contract the Owner reserves the right to make changes, request extra work, or make deductions from the original plan. No extra work or materials shall be demanded from the Contractor unless the Contractor receives proper compensation for the same. The price shall be agreed upon by both parties before the work is started or materials ordered. If the change affects a savings, this amount shall be credited to the Owner. All agreements shall be made in writing in the form of a Change Order.
- CLEAN UP:** It shall be the Contractor's and all sub-contractor's responsibility to keep the building area free from their trash and rubbish during the course of construction. Upon completion of daily work, the entire building and site must be left broom clean and excess materials, rubbish, tools, scaffolding, and equipment removed from the site.
- LIENS:** The Owner shall not be required to make final payment to the Contractor until the Owner receives a release of all liens. If liens remain unsatisfied after final payment has been made, the Contractor shall be liable and shall refund all monies to the Owner, including all cost of discharging the liens and reasonable attorney fees.
- EXISTING CONDITIONS:** Contractor shall familiarize themselves with all existing conditions that may affect work on the project and shall discuss their operations as required to obtain and maintain the finished result as indicated within the Plans and Specifications. Each Contractor shall take all necessary steps to protect existing conditions and, in the event of damage to them, shall repair or restore them to their previous state.
- EXAMINATION OF SITE AND CONTRACT DOCUMENTS:** Each Contractor, upon signing a contract for their portion of the Work, assumes responsibility of being familiar with the site, existing conditions, drawings, and specifications.
- APPLICATION FOR PAYMENT:** Applications shall be made on AIA Document G-702 or other form at the discretion of Marquette University Facilities Services.
- PROGRESS AND COMPLETION:** The Contractor shall commence work on date established in agreement and prosecute work regularly and diligently at rate of progress that insures issuance of a "Certificate of Substantial Completion" on or before the date established in the agreement.

Division 2: SITE CONSTRUCTION, DEMOLITION, EXCAVATION, BACKFILL & GRADING

- Provide all labor, materials, and equipment required for the demolition, excavation, backfill, & grading work as shown on the drawings and specified herein.
- If soil conditions such as quicksand, springs, loose fill, or rocks larger than three (3) feet diameter are found the Owner shall be notified and pay the additional costs of correcting these conditions. The Work, as designed, shall be set on clay, sand, or gravel with a bearing capacity of at least 2,000 pounds per square foot. Contractor to verify soil conditions, but expect to use a lean concrete slurry over existing building rubble subsoil conditions to achieve expected bearing capacity.
- Clear the building site of all trees, shrubs, or other obstructions interfering with the construction, excavation, or walks. Avoid damage to existing trees or structures that are to remain on the site. All stumps and roots shall be removed in the area to be occupied by the Portal. Any topsoil stripped from building construction shall be saved for future use.
- Excavate for all foundations to proper depth and size per plan. Bottoms of all excavations shall be wider than the foundation to allow for footing inspection. All footings must rest on undisturbed subsoil. If design capacity is not encountered at the elevations shown, footings must be lowered. Contractor to verify footing & foundation elevations to allow for base level with sidewalk prior to starting Work.
- No holes, trenches or disturbances of the soil shall be allowed within the volume described by 45 degree lines sloping from the bottom edge of the footing. If such are required, footing must be lowered.
- Contractor shall estimate the amount of earth required for backfill and final grading, and all excess earth shall be removed unless otherwise instructed by the Owner. Owner shall pay costs required to bring in fill necessary to bring grades up to required levels if existing earth is not adequate.
- Backfill evenly on each side of foundation walls. No debris shall be covered while backfilling. Level the earth in all unexcavated portions of the building. Grade to within 4" of final grade with existing ground on site. The grades must slope away from the Portal. Final grade to be achieved using existing top soil and/or top soil hauled in if required. Provide crushed compacted gravel for backfill material where noted on plans.

Division 3: CONCRETE

- Provide all labor, materials, and equipment required for concrete and structural steel work as shown on the drawings and specified herein.
- Contractor to provide and install all gravel needed for foundation pier backfill and concrete slabs as per drawings.
- Formwork shall be designed in accordance with the ACI Manual of Standard Practice.
- Concrete block or concrete foundation walls shall meet A.S.T.M. specifications and meet approval of the local building code. Concrete footings shall be provided for all foundation piers as per drawings. Footings shall be laid continuously. All foundations exposed to frost shall extend below frost line established by local building code.
- Exterior exposed concrete shall be air-entrained. Minimum air content shall be 6 percent.
- Calcium chloride shall not be used in concrete mixes.
- Waterproof all foundation piers below grade with fiberglass-reinforced asphalt dampproofing. Tops of walls and piers must be at correct levels to accept superstructure.
- Structural steel shall conform to the standard specification of the A.S.T.M. for steel of buildings, latest edition. Reinforcing steel shall be detailed and placed in accordance with the ACI Manual of Standard Practice unless noted otherwise.
- Concrete protection for reinforcing bars shall be in accordance with ACI as follows:
Footings - 3"
- Reinforcing steel to be ASTM A615 Grade 60 fy=60 ksi.
- All reinforcing bar lap spaces to be minimum of 48 bar diameters.
- Minimum 28 day concrete cylinder strength shall be:
Footings - 3000 psi
- Grout fill for masonry units to be pea gravel concrete with strength fc=2500 psi.
- Contractor to arrange for inspection when due.

Division 4: MASONRY

- Provide all labor, materials, and equipment required for masonry work as shown on the drawings and specified herein.
- Production and construction of concrete masonry shall be in accordance with the building code requirements for concrete masonry structure, ACI 303.1, latest edition, and the NCMA Technical Guide.
- Cold weather construction shall be in compliance with NCMA "Recommended Practices and Guide Specifications for Cold Weather Masonry and Construction."
- Inspected workmanship stress values were used in design. Appropriate inspection shall be required.
- Calcium chloride or admixtures containing calcium chloride shall not be used.
- Masonry walls shall be adequately braced to resist wind forces until permanent design supports are in place and functional. Bracing shall be designed by Contractor.
- Mortar to meet ASTM C 270 standards for use. Masonry grout shall conform to ASTM C 476 minimum compressive strength fc=3000 psi. Apply bonding agent to existing concrete or CMU surfaces. Brace masonry for wet grout pressure. Minimum compressive strength of unreinforced concrete masonry construction shall be fm = 1500 psi. Minimum compressive strength of reinforced concrete masonry construction shall be fm = 1500 psi. Color to be chosen by Owner and Architect from samples provided by Contractor. Portland cement lime.
Colors:
Ac Cast Stone - Prism 'Oyster'
Ac Brick - Prism P3120 'Light Buff'
- Mortar Types
Above Grade - Type M
Below Grade - Type S
- Brick: Brick shall be Belden Brick, St. Simon Special Blend A 00-49
30% #BX44 30% #BX45
30% #BX46 10% #BX47
Provide Alternate Sample of Belden Brick Mod. Beaver Blend
Dart-Tex A, 99-30, Sugar Creek Plant B at Owner's Request
Samples to be approved by Owner and Architect.
- Stone: Cast stone to match StoneCast "Marquette", 262-253-6600 or
Provide Alternate Indiana Limestone, Standard Buff
Samples to be approved by Owner and Architect.
- Concrete Masonry Units (CMU) to be ASTM C90 Grade N Type II, fm=1800 psi net area, normal weight units.
- Contractor to install all structural steel. Structural steel shall conform to the standard specification of the A.S.T.M. for steel of buildings, latest edition. All fabrication and erection shall be in accordance with A.E.S.C.
- Anchors, Dowels, Tiles, Cramps and Hinge Plates to be Stainless Steel to ASTM A167. Masonry horizontal wall reinforcing to be of standard truss type @ 16" O.C. vertically with #9 ga. galvanized steel and cross rods. Vencer Ties to be DUR-O-WALL.
Expansion Anchors - Hilti Kwik Bolt 3/4" Dia., U.N.O.
Adhesive Anchors - Hilti Hit HY150 3/4" Dia., U.N.O.
Sleeve Anchors - Hilti 3/4" Dia., U.N.O.
- Provide dowels into foundation the same size and number as wall reinforcing.
- Lap reinforcing bars 48 diameters.
- Vertical bars shown on the design drawings shall be placed in a continuous unobstructed cell of not less than 3" x 4".
- All bond beam and pilasters shall be reinforced as shown on the design drawings and filled with grout.
- Flashings: Self-Adhering base flashing to be Perm-A-Barrier by W.R. Grace or approved equal. Other flashings between brick and stone to be Fiberweb 300 as manufactured by Heckman Industries.
- Accessories to include joint filler by DUR-O-WALL. Weeps as recommended by Masonry Institute for this type of application, Cleaning Solutions to be non-acidic and not harmful to masonry work or adjacent materials, and expansion joints to be compressible filler of foamed polyvinyl chloride plastic preformed, such as W.R. Grace Rodofam, Grade 327 and Rodofast Adhesive, Type F.
- Contractor is responsible for removing debris from this work. Wash and clean masonry after mortar has set and leave ready for other trades.

GENERAL NOTES:

- Design is in accordance with the State of Wisconsin and the 2002 Wisconsin Enrolled Commercial Building Code as amended to date.
- Resistance to lateral loads on structure is provided by masonry shear walls. Contractor shall provide sufficient temporary bracing until all lateral support systems are in place and functional.
- All structural framing and connections have been designed for the final completed condition and have not been investigated for potential loadings encountered during steel erection and construction. Any investigation of the structural framing and connections for adequacy during the steel erection and construction process is the sole responsibility of the Contractor.
- Contractor is responsible for all means and methods of construction and all job site safety.
- Dimensions of existing construction or construction in progress shall be verified and coordinated prior to fabrication of structural components.
- Contractor to verify and coordinate, with all contractors, the location of all architectural and mechanical appurtenances and openings.
- Assumed bearing capacity for spread footings is 1500 psf
Wind Load (ASCE 7-98)
Basic wind speed V=90 mph
Importance Category II I=1.00
Exposure Category B
Internal Pressure Coefficients GCp1=-.4/-0



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PROJECT NAME:

MARQUETTE UNIVERSITY
STRAZ TOWER PARKING
LOT RENOVATIONS

SHEET TITLE:

Details & Specifications



NO.	DATE	REVISIONS	BT
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PROJECT NUMBER: 175507

DATE: 02/29/08

DRAWN BY: TH

CHECKED BY:

PROJECT MANAGER: JH

SCALE: 3"=1'-0"

FILE: A4MJ10H44chSPEC.dwg

M2436_38891

SHEET NUMBER

A.4