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July 24, 2017

NOTICE OF ADDENDUM
ADDENDUM NO. 1

CONTRACT NO. 7951
Capitol East District Parking Structure

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at:

http://www.bidexpress.com

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

Sincerely,

_____
Robert F. Phillips, P.E., City Engineer

Cc: Mike Dailey

ADDENDUM NO. 1
City of Madison, Engineering Department

CONTRACT NO. 7951
Capitol East District Parking Structure

This addendum is issued to modify, explain or correct the original Drawings, Specifications, or Contract Documents of the subject contract and is hereby made a part of the contract documents.

A. **CITY ENGINEER'S ESTIMATE** –
   A. Reduce City Engineer's Estimate from $16,000,000 to $14,500,000.

B. **GENERAL QUESTIONS AND ANSWERS** – None at this time

C. **ACCEPTABLE EQUIVALENTS** –
   A. Tennant Eco-Flex Deck, Section 071800 Traffic Coating, page 3, part 2.1
   B. Gamewell FCI Fire Alarm, Section 266000 Multiplexed Addressable Fire Alarm/Detection System, page 9, Part 2

D. SPECIAL PROVISIONS
   A. City Contract Page D-1, ARTICLE 102.9 - DELETE the last paragraph and ADD the following: "When a bidder is unable to achieve the established SBE goal, the bidder must demonstrate that a good faith effort to do so was made. In addition to those criteria set forth in Section 2.4.1 of Section C, a union General Contractor wishing to subcontract with a non-union Small Business Enterprise (SBE), who's scope of work is included in the jurisdiction of a union that the union general contractor is signatory to, may encourage the non-union SBE subcontractor to consider entering into a Project Labor Agreement with the subject union specific to the project. The City will consider this when determining if a good faith effort was made. Interested SBE Subcontractors may contact the Executive Director, Building and Construction Trades Council of South Central Wisconsin at btrades@sbcglobal.net or at (608) 256-3161 to discuss entering into such an agreement."
   B. Add Bid Items 90003-90006 to the contract section D.
      i. BID ITEM 90003: The Base Bid Item 90001 will be adjusted to remove existing underground unforeseen buried concrete slabs and foundations via this bid item. The estimated quantity is 200 CY. Provide a unit cost for additions/ deductions from all work required under the contract for the actual removed quantity above or below the estimated quantity of 200 CY.
         - METHOD OF MEASUREMENT: Bid Item 90003 shall be measured as CY of removal of the existing underground unforeseen buried concrete slabs and foundations.

- BASIS OF PAYMENT: The Base Bid Item 90001shall be adjusted by the actual CY of existing underground unforeseen buried concrete slabs and foundations removed.

ii. BID ITEM 90004: The Base Bid Item 90001 will be adjusted to provide engineered fill and compaction at locations of unforeseen removed existing underground unforeseen buried concrete slabs and foundations via this bid item. The estimated quantity is 200 CY. Provide a unit cost for additions/ deductions from all work required under the contract for the actual backfill quantity above or below the estimated quantity of 200 CY.

- METHOD OF MEASUREMENT: Bid Item 90004 shall be measured as CY of backfill and compaction to replace the removed existing unforeseen buried concrete slabs and foundations in Bid Item 90003.
- BASIS OF PAYMENT: The Base Bid Item 90001shall be adjusted by the actual CY of backfill and compaction to replace the removed existing unforeseen buried concrete slabs and foundations in Bid Item 90003.

iii. BASE BID ITEM 90005: The Base Bid Item 90001 will be adjusted for the actual length of 90 ton piles installed via this bid item. The estimated quantity is 10,675 LF. Provide a unit cost for additions/ deductions from all work required under the contract for the actual installed quantity above or below the estimated quantity of 10,675 LF.

- METHOD OF MEASUREMENT: Bid Item 90005 shall be measured as actual length of 90 ton piles installed.
- BASIS OF PAYMENT: The Base Bid Item 90001shall be adjusted by the actual length of 90 ton piles installed.

iv. BASE BID ITEM 90006: The Base Bid Item 90001 will be adjusted for the actual length of 40 ton piles installed. The estimated quantity is 4,760 LF. Provide a unit cost for additions/ deductions from all work required under the contract for the actual installed quantity above or below the estimated quantity of 4,760 LF.

- METHOD OF MEASUREMENT: Bid Item 90006 shall be measured as actual length of 40 ton piles installed.
- BASIS OF PAYMENT: The Base Bid Item 90001shall be adjusted by the actual length of 40 ton piles installed.

E. **SPECIFICATIONS** –

A. 07 24 23 – Direct-Applied Finish Systems (Issued) Added section for soffit finish.
B. 07 42 13 – Metal Wall Panels (Reissued) Revise as noted.
C. 09 90 00 – Painting and Coating (Reissued) Revise as noted.
D. 14 20 10 – Passenger Elevators (Reissued) Revise as noted.
E. 024113-2 1.6, B. DELETE "Owner will employ a Contractor" and ADD Contractor shall coordinate with the City to insure that any encountered hazardous materials, other than the contaminated soils identified, are identified, removed, and disposed of in a proper manner."

F. **ARCHITECTURAL DRAWINGS**

A. A-001 – Symbols Legends, and General Notes (Reissued)
   i. Revise as noted on reissued sheet.
B. A-101 – First Level Parking – First Floor Commercial Plan (Reissued)
   i. Revise as noted on reissued sheet.

C. A-102 – Second Level Parking (Reissued)
    i. Revise as noted on reissued sheet.
D. A-103 – Third Level Parking – Second Floor Commercial Plan (Reissued)
    i. Revise as noted on reissued sheet.
E. A-104 – Fourth Level Parking – Commercial Roof Plan (Reissued)
    i. Revise as noted on reissued sheet.
F. A-105 – Fifth Level Parking Plan (Reissued)
    i. Revise as noted on reissued sheet.
G. A-110 – Roof Plan (Reissued)
    i. Revise as noted on reissued sheet.
H. A-111 – Roof Details (Reissued)
    i. Revise as noted on reissued sheet.
I. A-450 – Partition Types (Reissued)
    i. Revise as noted on reissued sheet.
J. A-510 – Exterior Elevations (Issued)
    i. Added elevations for clarification
K. A-511 – Exterior Elevations (Reissued)
    i. Revise as noted on reissued sheet.
L. A-541 – Wall Sections & Details (Reissued)
    i. Revise as noted on reissued sheet.
M. A-542 – Wall Sections & Details (Reissued)
    i. Revise as noted on reissued sheet.
N. A-543 – Wall Sections & Details (Reissued)
    i. Revise as noted on reissued sheet.
O. A-550 – 1/4" Stair Plans And Sections (Reissued)
    i. Revise as noted on reissued sheet.
P. A-551 – 1/4" Stair Plans And Sections (Reissued)
    i. Revise as noted on reissued sheet.
Q. A-560 – Exterior Plan Details (Reissued)
    i. Revise as noted on reissued sheet.
R. A-561 – Exterior Plan Details (Reissued)
    i. Revise as noted on reissued sheet.
S. A-600 – Mounting Heights, ¼" Plans and Interior Elevations (Reissued)
    i. Revise as noted on reissued sheet.
T. A-605 – 1/4" Plan and Interior Elevations (Reissued)
    i. Revise as noted on reissued sheet.

G. <u>LANDSCAPE DRAWINGS</u>

A. L-100 – Landscape Plan (Reissued)
    i. The pedestrian sidewalk entering the secondary entrance at the northeast corner of the garage has been widened to 5'-0". Refer to attached drawing.
B. L-102 – Layout Plan (Reissued)
    i. The layout plan now dimensions the new secondary entrance at the northeast corner of the garage as 5'-0". Refer to attached drawing.

H. <u>CIVIL DRAWINGS</u>

A. C-200 – Site Plan (Reissued)
    i. Added ATC tunnel as background
B. C-201 – Site Detail Plan (Sheet 1 of 4) (Reissued)

i. Revised Sidewalk
ii. Change reference to Note 12 at MG&E gate to reference Note 10.

C. C-201, C-202, C-203, and C-204
i. NOTE 10 - ADD “AND GATE" after the word fence.
ii. NOTES 12 & 13 ADD "INSTALLED IN THIS CONTRACT" to both notes.

D. C-300 – Grading Plan (Reissued)
i. Added ATC tunnel as background

E. C-301 – Grading Detail Plan (Sheet 1 of 4) (Reissued)
i. Revised sidewalk

F. C-400 – Utility Plan (Reissued)
i. Added ATC tunnel as background

I. <u>STRUCTURAL DRAWINGS</u>

A. S-101 – First Level Parking (Reissued)
i. Update island layout per architectural.
ii. Re-locate wall at grid line D-2 and update wall opening.
iii. Update pile caps.
iv. Update location of typical bollard detail.

B. S-102 –Second Level Parking (Reissued)
v. Relocate snow chute.
vi. Update top of hss steel on grid 3.

C. S-103 –Third Level Parking (Reissued)
vii. Relocate snow chute.
viii. Update top of beam elevation on B79.

D. S-104 –Forth level Parking (Reissued)
ix. Relocate snow chute.
x. Add design load criteria to south east corner of garage.

E. S-105 –Fifth level Parking (Reissued)
xi. Relocate snow chute.
xii. Add design load criteria to south east corner of garage.

F. S-201 –Enlarged Plans (Reissued)
xiii. Add note to elevator foundation plan.
xiv. Add keynote to stair framing plan.
xv. Adjust Hss location on enlarged plan detail at screen wall.

G. S-501 –Foundation Details (Reissued)
xvi. Add note to detail C4 and C3.

H. S-511 –Structural Details (Reissued)
xvii. Add detail B1 to sheet.
xviii. Modify detail B3.

I. S-601 –Schedules (Reissued)
xix. Remove note 7 in concrete column schedule.
xx. Update embed plate schedule.

J. S-602 –Schedules (Reissued)
xxi. Update post tension beam schedule.

J. <u>ELECTRICAL DRAWINGS</u>

A. Sheet E-001, Electrical General Notes, Note 3, DELETE the word "Plant".

B. E-001 Security and Access Control PoE CCTV Camera - DELETE word "Owner" and ADD work "Contractor"

C. E-101 Keyed Notes This Sheet, Note 12 DELETE word "Owner" and ADD words "Electrical Contractor".
D. E-101 Keyed Notes This Sheet, Note 13 DELETE word "Owner" and ADD words "Electrical Contractor".
E. E-102 Keyed Notes This Sheet, Note 4 DELETE word "Owner" and ADD word ""Electrical Contractor"
F. E-103 Keyed Notes This Sheet, Note 9 DELETE word "Owner" and ADD word ""Electrical Contractor"
G. E-104 Keyed Notes This Sheet, Note 6 DELETE word "Owner" and ADD word ""Electrical Contractor"
H. E-105 Keyed Notes This Sheet, Note 5 DELETE word "Owner" and ADD word ""Electrical Contractor"
I. E-601 Special Purpose Outlet Schedule Notes: Note 4 - DELETE "Provide complete installation and startup of owner's parking revenue equipment, Furnished by owner's parking revenue equipment vendor. ADD "Owner's parking revenue equipment vendor will provide and install all Parking Access Revenue Control System equipment. The Electrical contractor is to provide all conduit, wire, and all wire terminations."

K. PROPOSAL - Added: Section B: Proposal Page, Unit Prices

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Electronic version of these documents can be found on Bid Express at https://www.bidexpress.com/

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 to receive the material by another method.

For questions regarding this bid, contact:

David Schaller
City of Madison Engineering (Facilities)
Construction Manager
Phone: (608) 243-5891
Email: dschaller@cityofmadison.com

SECTION 07 24 23

DIRECT-APPLIED FINISH SYSTEMS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Direct Finish System for Soffits.

1.2 RELATED REQUIREMENTS

A. Section 07 92 00 - Joint Sealants: Sealing joints between EIFS and adjacent construction and penetrations through EIFS.

1.3 SUBMITTALS

A. Shop Drawings: Indicate soffit joint patterns, joint details, and molding profiles.

B. Product Data: Provide data on system materials, product characteristics, performance criteria, and system limitations.

C. Samples: Submit color cards with manufacturer's full range of coating colors with selected texture. Color shall match adjacent precast concrete panels. Upon selection of color by Architect, provide 12 inch by 12 inch sample with textured coating applied in selected color to sample.

1.4 QUALITY ASSURANCE

A. Maintain copy of specified installation standard and manufacturer's installation instructions at project site during installation.

B. Manufacturer Qualifications: Company specializing in textured finish system with minimum ten years of documented experience.

C. Installer Qualifications: Company specializing in EIFS work, with minimum five years of documented experience, and approved by manufacturer.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Delivery: Deliver materials to project site in manufacturer's original, unopened containers with labels intact. Inspect materials and notify manufacturer of any discrepancies.

B. Storage: Store materials as directed by manufacturer's written instructions.

1. Protect adhesives and finish materials from freezing, temperatures below 40 degrees F and temperatures in excess of 90 degrees F.

2. Protect Portland cement based materials from moisture and humidity. Store under cover off the ground in a dry location.

1.6 FIELD CONDITIONS

A. Do not prepare materials or apply EIFS under conditions other than those described in the manufacturer's written instructions.

B. Do not prepare materials or apply EIFS during inclement weather unless areas of installation are protected. Protect installed EIFS areas from inclement weather until dry.

C. Do not install coatings or sealants when ambient temperature is below 40 degrees F.

D. Do not leave installed insulation board exposed to sunlight for extended periods of time.

1.7 WARRANTY

A. Provide manufacturer's standard material warranty, covering a period of not less than 7 years.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. BASF Wall Systems; Senergy Lamina: www.wallsystems.basf.com

B. Sto Corp; StoQuik Gold System: www.stocorp.com

C. Others as approved.

2.2 **DIRECT FINISH SYSTEM**

A. Soffit Direct finish system consisting of base coat, reinforcing mesh, and finish coat.

B. Fire Characteristics:

1. Flammability: Pass, when tested in accordance with NFPA 285.
2. Ignitibility: No sustained flaming when tested in accordance with NFPA 268.
3. Potential Heat of Foam Plastic Insulation Tested Independently of Assembly: No portion of the assembly having potential heat that exceeds that of the insulation sample tested for flammability (above), when tested in accordance with NFPA 259 with results expressed in Btu per square foot.

2.3 MATERIALS

A. Base Coat: Acrylic- or polymer-modified, fiber reinforced Portland cement coating.

1. Portland Cement: ASTM C150, Type I or II.
2. Water: Clean and potable with no foreign matter.
3. Base Coat Thickness: 1/4 inch, minimum.

B. Reinforcing Mesh: Balanced, open weave glass fiber fabric, treated for compatibility and improved bond with coating, weight, strength, and number of layers as required to meet required system impact rating.

C. Primer: As recommended by manufacturer.

D. Finish Coat: Silicone-enhanced 100 percent acrylic based finish coat. Finish color to be factory-mixed.

1. Finish Texture: Senergy Classic (Silcoat), StoSilcoLastic (Medium) or equal.
2. Color: As selected by Architect from manufacturer's full range to match adjacent precast concrete panels.

E. Sheathing Board: ASTM C 1177, Glass mat faced gypsum sheathing.

1. Thickness: 5/8 inch.
2. Manufacturers:
   a. National Gypsum; Gold Bond eXP sheathing: www.nationalgypsum.com
   b. Georgia-Pacific; DensGlass sheathing: www.gpgypsum.com
   c. Others as approved.

F. Water-Resistive Barrier Coating: Fluid-applied air and water barrier membrane; applied to sheathing; furnished or approved by EIFS manufacturer.

2.4 ACCESSORY MATERIALS

A. Metal Flashings: As specified in Section 07 62 00.

B. Trim: EIFS manufacturer's standard PVC or galvanized steel trim accessories, as required for a complete project and including starter track and control joints.

C. Sealant Materials: Compatible with EIFS materials and as recommended by EIFS manufacturer.

PART 3 EXECUTION

3.1 GENERAL

A. Install in accordance with EIFS manufacturer's instructions and ASTM C1397.

B. Where different requirements appear in either document, comply with the most stringent.

C. Neither of these documents supercedes the provisions of the Contract Documents that define the contractual relationships between the parties or the scope of work.

3.2 INSTALLATION - WATER-RESISTIVE BARRIER

A. Apply barrier coating as recommended by coating manufacturer; prime substrate as required before application.

B. Seal all substrate transitions and intersections with other materials to form continuous water-resistive barrier on exterior of sheathing, using method recommended by manufacturer.

C. Lap flexible flashing or flashing tape at least 2 inches on each side of joint or transition.

3.3 INSTALLATION - FINISH

A. Base Coat: Apply in thickness as necessary to fully embed reinforcing mesh, wrinkle free, including back-wrap at all terminations of the EIFS. Install reinforcing fabric as recommended by EIFS manufacturer.

1. Lap reinforcing mesh edges and ends a minimum of 2-1/2 inches.
2. Allow base coat to dry a minimum of 24 hours before next coating application.
3. Apply primer as recommended by manufacturer.

B. Apply finish coat after base coat has dried not less than 24 hours, embed finish aggregate, and finish to a uniform texture and color.

C. Finish Coat Thickness: As recommended by manufacturer.

D. Seal control and expansion joints within the field of exterior finish and insulation system, using procedures recommended by sealant and finish system manufacturers.

END OF SECTION

SECTION 07 42 13

METAL WALL PANELS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Manufactured metal panels for screen walls at parking and soffits, with related flashings and accessory components.

1.2 RELATED REQUIREMENTS

A. Section 05-4000 - Cold-Formed Metal Framing.

B. Section 07 92 00 - Joint Sealants: Sealing joints between metal wall panel system and adjacent construction.

1.3 SUBMITTALS

A. Shop Drawings: Indicate dimensions, layout, joints, construction details, methods of anchorage. Provide dimensions of associated brake metal trim pieces, and integration of light fixtures.

B. Samples: Submit two metal samples of wall panel and soffit panel, 2 inch by 4 inch in size illustrating finish color, sheen, and texture. Do not submit manufacturer's color cards.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in installing the products specified in this section with minimum five years of documented experience.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Protect panels from accelerated weathering by removing or venting sheet plastic shipping wrap.

B. Store prefinished material off ground and protected from weather. Prevent twisting, bending, or abrasion, and provide ventilation to stored materials. Slope metal sheets to ensure drainage.

C. Prevent contact with materials that may cause discoloration or staining of products.

1.6 WARRANTY

A. Correct defective work within a five year period after the Date of Substantial Completion for degradation of panel finish, including color fading caused by exposure to weather.

B. Correct defective Work within a two year period after the Date of Substantial Completion, including defects in water tightness and integrity of seals.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. MP1 Perforated, Corrugated Metal Wall Panels, exposed fastener:

1. Basis of Design: Centria; EcoScreen Perforated Screenwall BR5-36: www.centria.com
2. Metal Sales; T5 Perforated Wall Panel: www.metalsales.us.com
3. Morin; BR7-35 Perforated: www.morincorp.com

B. MP2 Flush Metal Soffit Panels, concealed fastener:
   1. Basis of Design: Centria; IW-10A: www.centria.com
   2. Metal Sales; TLC-1 Panel: www.metalsales.us.com
   3. Morin; F-12 Flush: www.morincorp.com

2.2 MANUFACTURED METAL PANELS

A. Wall Panel System: Factory fabricated prefinished metal panel system, site assembled.
   1. Provide exterior panels, soffit panels, and subgirt framing assembly.
   2. Design and size components to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of wall.
   3. Design Pressures as indicated on Gneral Structural Notes drawing sheet.
   4. Maximum Allowable Deflection of Panel: 1/90 of span.
   5. Movement: Accommodate movement within system without damage to components or deterioration of seals, movement between system and perimeter components when subject to seasonal temperature cycling; dynamic loading and release of loads; and deflection of structural support framing.
   6. Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.
   7. Fabrication: Formed true to shape, accurate in size, square, and free from distortion or defects; pieces of longest practical lengths.
   8. Corners: Factory-fabricated in one continuous piece with minimum 18 inch returns.
   9. Panel Finishes:
      a. Custom Fluoropolymer Coating System: Polyvinylidene fluoride (PVDF) multi-coat thermoplastic fluoropolymer coating system, including minimum 70 percent PVDF color topcoat and minimum total dry film thickness of 0.9 mil; color and gloss as indicated on drawings. Front and back of perforated panels.
      b. Exterior Panel Back Coating: Panel manufacturer's standard siliconized polyester wash coat.

B. Exterior Panels:
   1. Profile: Vertical; style as indicated.
   2. Side Seams: Double-interlocked, tight-fitting, sealed with continuous gaskets.
   3. Perforated Panel Material: Precoated aluminum sheet, 0.040 inch minimum thickness.
   4. Color: As selected by Architect from manufacturer's custom line.
      a. Perforated Aluminum Panels: Metallic fluoropolymer coating system finish.

C. Soffit Panels:
   1. Profile: Flush panel.
   2. Material: Precoated steel sheet, 24 gage, minimum thickness.
   3. Color: As selected by Architect from manufacturer's full line.

D. Subgirts:
   1. Profile as indicated; to attach panel system to building.

E. Internal and External Corners: Same material, thickness, and finish as exterior sheets; profile to suit system; shop cut and factory mitered to required angles.

F. Expansion Joints: Same material, thickness and finish as exterior sheets; manufacturer's standard brake formed type, of profile to suit system.

G. Trim: Same material, thickness and finish as exterior sheets; brake formed to required profiles.

H. Anchors: Stainless steel.

I. Metal Panel Closure: Provide Metal Panel Closure at all Intermediate Knee Wall Panels (Top and Bottom) at Parking Garage. Prefinish metal panel closure to match perforated metal panel finish.

2.3 MATERIALS

A. Precoated Steel Sheet: Hot-dipped galvanized steel sheet, ASTM A653/A653M Structural Steel (SS) or Forming Steel (FS), with G90/Z275 coating; continuous coil-coated on exposed surfaces with specified finish coating and on panel back with specified panel back coating.

B. Precoated Aluminum Sheet: ASTM B209 (ASTM B209M), 3105 alloy, O temper, smooth surface texture; continuous-coil-coated on exposed surfaces with specified finish coating and on panel back with specified panel back coating.

2.4 ACCESSORIES

A. Sealants:

1. Exposed Sealant: Elastomeric, silicone, polyurethane, or silyl-terminated polyether/polyurethane.

2. Concealed Sealant: Non-curing butyl sealant or tape sealant.

B. Bituminous Paint: Asphalt base.

PART 3 EXECUTION

3.1 PREPARATION

A. Install subgirts perpendicular to panel length, securely fastened to substrates and shimmed and leveled to uniform plane. Space at intervals indicated.

3.2 INSTALLATION

A. Install panels on screen walls and soffits in accordance with manufacturer's instructions. Coordinate layout of light fixtures, and install per approved shop drawings.

B. Protect surfaces in contact with cementitious materials and dissimilar metals with bituminous paint. Allow to dry prior to installation.

C. Fasten panels to structural supports; aligned, level, and plumb.

D. Use concealed fasteners unless otherwise approved by Architect.

3.3 TOLERANCES

A. Maximum Offset From True Alignment Between Adjacent Members Butting or In Line: 1/16 inch.

B. Maximum Variation from Plane or Location Indicated on Drawings: 1/4 inch.

END OF SECTION

SECTION 09 90 00

PAINTING AND COATING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Surface preparation.

B. Field application of paints, stains, varnishes, and other coatings.

C. Scope: Finish all interior and exterior surfaces exposed to view, unless fully factory-finished

D. Do Not Paint or Finish the Following Items:

1. Items fully factory-finished unless specifically so indicated; materials and products having factory-applied primers are not considered factory finished.
2. Stainless Steel or plated metal finishes.
3. Plastics, acoustical materials, face brick, stonework, chalkboards, and other surfaces not normally requiring a painted finish.
4. Items indicated to receive other finishes.
5. Items indicated to remain unfinished.
6. Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment.
7. Floors, unless specifically so indicated.
8. Glass.
9. Concealed pipes, ducts, and conduits.

1.2 SUBMITTALS

A. Product Data: Provide complete list of all products to be used, with the following information for each:

1. Manufacturer's name, product name and/or catalog number, and general product category (e.g. "alkyd enamel").
2. MPI product number (e.g. MPI #47).
3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.

B. Finish Schedule: Include all surfaces to be painted, manufacturer, type and color to be applied to each surface.

C. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.

1. Extra Paint and Coatings: 1 gallon of each color; store where directed.
2. Label each container with color in addition to the manufacturer's label.

1.3 MOCK-UP

A. Provide panel, 3 feet long by 3 feet wide, illustrating verification of coating color, texture, and finish.

B. Provide sample panels of each color requested by Owner or Architect.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.

B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.

C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.5 FIELD CONDITIONS

A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.

B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

C. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Provide all paint and coating products used in any individual system from the same manufacturer; no exceptions.

B. Provide all paint and coating products from the same manufacturer to the greatest extent possible.

C. Paints:

1. Base Manufacturer: Sherwin-Williams Company: www.sherwin-williams.com
2. Diamond Vogel Paints: www.diamondvogel.com
3. Benjamin Moore & Co: www.benjaminmoore.com
4. PPG Architectural Finishes, Inc: www.ppgaf.com
5. Hirshfield's Paints & Coatings: www.hirshfields.com

D. Primer Sealers: Same manufacturer as top coats.

E. Block Fillers: Same manufacturer as top coats.

2.2 PAINTS AND COATINGS - GENERAL

A. Paints and Coatings: Ready mixed, unless intended to be a field-catalyzed coating.

1. Provide paints and coatings of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
2. Supply each coating material in quantity required to complete entire project's work from a single production run.
3. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.

B. Primers: As follows unless other primer is required or recommended by manufacturer of top coats; where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.

1. Gypsum Board: Interior Latex Primer Sealer; MPI #50.

2. Concrete Masonry: Interior/Exterior Latex Block Filler; MPI #4.
3. Steel, Uncoated: Interior Rust-Inhibitive Water Based Primer; MPI #107.
4. Galvanized Steel: Interior Water Based Galvanized Primer; MPI #134.
5. Architecturally Exposed Structural Steel: Shop applied epoxy primer.
6. Wall Surfaces to receive Vinyl Wall Covering: Shewin Williams Premium Wall & Wood Interior Latex Primer.

C. Volatile Organic Compound (VOC) Content:
1. Provide coatings that comply with the most stringent requirements specified in the following:
a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
2. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.

D. Sheens: Provide sheens specified.
1. Flat: 0 to 9 units at 85 degrees. MPI Gloss Level 1.
2. Eggshell: 10 to 24 units @ 85 degrees. MPI Gloss Level 3.
3. Satin: 25 to 29 units @ 60 degrees. MPI Gloss Level 4.
4. Semi-gloss: 30-45 units @ 60 degrees. MPI Gloss Level 5.
5. Gloss: 70 units minimum @ 60 degrees. MPI Gloss Level 6.

2.3 PAINT SYSTEMS - EXTERIOR

A. Paint System 1 All Exterior Concrete and Concrete Masonry surfaces indicated to be painted, unless otherwise indicated:
1. Two top coats and one coat primer.
2. Top Coat(s): Exterior Latex; MPI #15.
3. Satin: MPI gloss level 4; use this sheen at all locations.
4. Primer(s): As recommended by manufacturer of top coats.

B. Paint System 2 All Exterior Ferrous Metal, Primed Metal, and Zinc-coated metal surfaces indicated to be painted, unless otherwise indicated:
1. Two top coats and one coat primer.
2. Top Coat(s): Exterior Latex; Sherwin-Williams, Exterior Latex High Gloss, A85 Series.
3. High Gloss: MPI gloss level 7; use this sheen at all locations.
4. Primer(s): As recommended by manufacturer of top coats.

C. Paint System 3 All Exterior Parking Garage Striping:
1. Two Coat(s): High Build Fast Dry Waterborne Traffic Paint at 10 mils wet for each coat; Ennis-Flint, EF Series.

2.4 PAINT SYSTEMS - INTERIOR

A. Paint System 4 All Interior Gypsum Board and Concrete Masonry Unit surfaces indicated to be painted, unless otherwise indicated:
   1. Two top coats and one coat primer.
   2. Top Coat(s): Institutional Low Odor/VOC Interior Latex; MPI #143-148.
   3. Flat: MPI gloss level 1; use this sheen at for ceilings and other overhead surfaces.
   4. Eggshell: MPI gloss level 3: use this sheen where indicated.
   5. Semi-Gloss: MPI gloss level 5; use this sheen where indicated.
   6. Primer(s): As recommended by manufacturer of top coats.

B. Paint System 5 Interior Gypsum Board and CMU surfaces in Wet Areas, Service Areas, and Toilet Rooms indicated to be painted, unless otherwise indicated:
   1. Two top coats and one coat primer.
   2. Top Coat(s): Institutional Low Odor/VOC Interior Latex; MPI #115.
   3. Semi-Gloss: MPI gloss level 6; use this sheen at all locations.
   4. Primer(s): As recommended by manufacturer of top coats.

C. Paint System 6 All Interior Ferrous Metal, Primed Metal, zinc-coated metal, and aluminum surfaces indicated to be painted, unless otherwise indicated.
   1. Two top coats and one coat primer.
   2. Primer(s): As recommended by manufacturer of top coats.
   3. Top Coat(s): Interior Light Industrial Coating, Water Based; MPI #153-154.
   4. Semi-Gloss: MPI gloss level 5; use this sheen at all locations.

D. Paint System 7 All Interior floors noted to have a Sealed Concrete Finish.
   1. Three coats of chemical hardener: W.R. Meadows, Liqui-Hard or equal.

2.5 ACCESSORY MATERIALS

A. Accessory Materials: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required to achieve the finishes specified whether specifically indicated or not; commercial quality.

B. Patching Material: Latex filler.

C. Fastener Head Cover Material: Latex filler.

PART 3 EXECUTION

3.1 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to coating application.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.

D. Seal surfaces that might cause bleed through or staining of topcoat.

E. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

F. Concrete and Unit Masonry Surfaces to be Painted: Remove dirt, loose mortar, scale, salt or alkali powder, and other foreign matter. Remove oil and grease with a solution of tri-sodium phosphate; rinse well and allow to dry. Remove stains caused by weathering of corroding metals with a solution of sodium metasilicate after thoroughly wetting with water. Allow to dry.

G. Gypsum Board Surfaces to be Painted: Fill minor defects with filler compound. Spot prime defects after repair.

H. Galvanized Surfaces to be Painted: Remove surface contamination and oils and wash with solvent. Apply coat of etching primer.

I. Shop-Primed Steel Surfaces to be Finish Painted: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces.

J. Interior Wood Surfaces to Receive Transparent Finish: Wipe off dust and grit prior to sealing, seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after sealer has dried; sand lightly between coats. Prime concealed surfaces with gloss varnish reduced 25 percent with thinner.

3.2 APPLICATION

A. Apply products in accordance with manufacturer's instructions.

B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

C. Apply each coat to uniform appearance.

D. Sand wood and metal surfaces lightly between coats to achieve required finish.

E. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

F. Wood to Receive Transparent Finishes: Tint fillers to match wood. Work fillers into the grain before set. Wipe excess from surface.

G. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.3 **SCHEDULE - PAINT SYSTEMS**

A. Concrete

1. Exterior: Paint System 1.

B. Gypsum Board

1. Interior Ceilings and Bulkheads: Paint System 4, Flat.
2. Interior Walls: Paint System 4, Egshell.

C. Gypsum Board, CMU (Wet Areas)

1. Interior Ceilings and Bulkheads: Paint System 5, Egshel.
2. Interior Walls: Wainscots: Paint System 5, Semi-Gloss.

D. Steel Doors and Frames

1. Exterior: Paint System 2, Semi-Gloss.
2. Interior: Paint System 6, Semi-Gloss.

E. Concrete Floors

1. Paint System 7

F. Wall Surfaces Under Vinyl Wall Covering
   1. Sherwin Williams Premium Interior Wall and Wood Primer B28W8111.

G. Parking Striping (Parking Garage)
   1. Paint System 3

END OF SECTION

SECTION 14 20 10

PASSENGER ELEVATORS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Complete elevator systems.

B. Elevator maintenance.

1.2 RELATED REQUIREMENTS

A. Section 05 12 00 - Structural Steel Framing: Includes hoistway framing.

B. Section 05 50 00 - Metal Fabrications: Includes pit ladder, sill supports, divider beams, and overhead hoist beams.

C. Section 07 13 00 - Sheet Waterproofing: Waterproofing of elevator pit walls and floor.

D. Section 09 21 16 - Gypsum Board Assemblies: Gypsum shaft walls.

E. Section 26 27 17 - Equipment Wiring:

1. Electrical characteristics and wiring connections.
2. Required disconnect switches.
3. Electrical power for elevator installation and testing.
4. Lighting in elevator pit.
5. Conduit for dedicated telephone line.

F. Section 28 31 00 - Fire Detection and Alarm:

1. Fire and smoke detectors and interconnecting devices.
2. Fire alarm signal lines to elevator controller cabinet.

1.3 **ADMINISTRATIVE REQUIREMENTS**

A. Preinstallation Meeting: Convene a meeting one week prior to starting work.

1. Review schedule of installation, installation procedures and conditions, and coordination with related work.

B. Construction Use of Elevator: Not permitted.

1.4 SUBMITTALS

A. Product Data: Provide data on the following items:

1. Signal and operating fixtures, operating panels, indicators.
2. Cab design, dimensions, layout, and components.
3. Cab and hoistway door and frame details.
4. Electrical characteristics and connection requirements.
5. Expected heat dissipation of elevator equipment in hoistway (BTU).

B. Shop Drawings: Indicate the following information:

1. Equipment arrangement for pit and hoistway. Provide plans, elevations, sections and details of assembly, erection, anchorage and equipment components. Include hoistway door and frame details.
2. Elevator system capacity and size. Provide maximum loads imposed on guide rails requiring load transfer to building structure.
3. Travel distances and maximum loads imposed on the building structure at points of support.
4. Electrical power requirements and branch circuit protection devices.

C. Maintenance Contract.

1.5 QUALITY ASSURANCE

A. Perform Work in accordance with applicable code and ASME A17.1.

B. Fabricate and install door and frame assemblies in accordance with NFPA 80.

C. Perform electrical work in accordance with NFPA 70.

D. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum ten years documented experience.

E. Installer Qualifications: Elevator shall be installed by manufacturer personnel.

1.6 WARRANTY

A. Provide one year manufacturer warranty for elevator operating equipment and devices. Include maintenance and call back service for a period of one year after the date of Substantial Completion. Service shall include periodic examination of equipment, adjustment, cleaning, supplies and parts to keep the elevators in proper operation.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design: KONE MonoSpace 500 MRL traction elevator: www.kone.us

B. Other Acceptable Manufacturers:

1. ThyssenKrupp Elevator; Synergy 300: www.thyssenkruppelevator.com

C. These manufacturers are acceptable if they can manufacture cab to fit within maximum hoistway dimensions indicated on Drawings.

1. Otis Elevator Co: www.otis.com
2. Schindler Elevator Corp: www.us.schindler.com

D. All components to be manufactured by same entity, unless otherwise indicated.

E. Elevator Pit and Hoistway dimensions are based on the Kone Basis of Design elevator. Contractor shall verify required pit and hoistway dimensions. Adjustment to dimensions will need to be reviewed by Architect prior to elevator pit layout.

2.2 ELEVATORS

A. Elevator EL01 and EL02: Passenger.

1. Cab Height: 93 inches.
2. Hoistway and Cab Entrance Frame Opening Size: 42 x 84 inches.
3. Door Operation: Center opening. Front.

4. Rated Net Capacity: 3500 lbs.
5. Rated Speed: 350 ft/min.
6. Hoistway Clear Dimensions: ~~8'-4"~~ 9'-6" x ~~7'-10"~~ 6'-11".
7. Clear Car Inside: 6'-5-1/2" x 5'-6-5/8". Cab shall accommodate a 24 inch x 84 inch stretcher.
8. Travel Distance: 42'-10".
9. Minimum Clear Overhead: 15'-5".
10. Number of Stops: 5.
11. Machine Location: Inside the hoistway mounted on car guide rail.
12. Controller Location: Inside hoistway, top landing.

B. Elevator Cab Finishes:

1. Shell: Reinforced 14 gage furniture steel with baked enamel interior finish as selected. Apply sound deadening mastic to exterior.
2. Canopy: Reinforced 12 gage furniture steel with hinged emergency exit. Interior finish white, reflective baked enamel. Provide brushed stainless steel panels on visible portions of cab canopy.
3. Car Door Panels: Flush both sides, minimum reinforced 16 gage brushed stainless steel, rib construction. Same construction as hoistway door panels.
4. Walls: Stainless steel panels as selected by Architect.
5. Ceiling: Suspended, concealed stainless steel, No. 4 finish. LED downlights with trim rings and protective screens.
6. Handrail: 3/8 inch x 2 inch flat tubular, stainless steel, No. 4 finish. Mount on rear and side walls.
7. Flooring: Resilient as indicated on Schedule of Interior Materials, 09-0601.
8. Threshold: Mill finish aluminum.
9. Ventilation: Manufacturer's standard exhaust fan, mounted on the car top.
10. Pads and Buttons: Provide two complete sets of cab removable pads and buttons in elevator. Provide one pad each to cover each side wall and each front and rear panel returns. Provide cutouts to access main car operating panel.
11. Car Top Inspection: Provide a car top inspection station with 'Auto-Inspection' switch and 'Emergency Stop' switch, and constant pressure up and down direction and safety buttons to make the normal operating devices inoperative. The station will give the inspector complete control of the elevator. The car top inspection station shall be mounted in the door operator assembly.

C. Elevator Hoistway Entrances

1. Doors and Frames: Manufacturer's standard entrance design consisting of hangers, doors, hanger supports, hanger covers, fascia plates, sight guards, and necessary hardware.
2. Door and Frame Finish: Stainless Steel, brushed, #4 finish.
3. Hoistway Sills: Extruded aluminum, mill finish with grooved top surface.

2.3 CONTROLS

A. Elevator Controls: Provide landing buttons and hall lanterns.

B. Door Controls:

1. Program door control to open doors automatically when car arrives at floor.
2. Render "Door Close" button inoperative when car is standing at dispatching terminal with doors open.
3. If doors are prevented from closing for approximately ten seconds because of an obstruction, automatically disconnect door reopening devices, close doors more slowly until obstruction is cleared. Sound buzzer.
4. Door Protection Devices: Infra-red light beam system. Beams shall project across the car opening to detect the presence of a passenger or object. If door movement is obstructed, doors shall immediately reopen.

C. Hall Stations: Illuminating buttons to indicate call has been registered at the floor for the indicated direction. Faceplates shall be stainless steel.
   1. Phase 1 firefighter's service key switch shall be incorporated into the hall station.

D. Landing Position Indicators: Illuminating white.

E. Car Direction Indicators: Illuminating white.

F. Floor identification: Provide door jamb pads that meet ADA requirements at each floor.

G. Regulatory Elevator Lobby Plaque Sign: Egress Route Sign with text that reads 'In Case of Fire Elevators Are Out of Service Use Stairs.' Graphics shall be chemically etched and paint filled to stainless steel plaque.

H. Interconnect elevator control system with building fire alarm system.

I. Provide 'Firefighter's Operation' in accordance with applicable code. Designated Landing, First Floor.

J. Provide integral phone system for Emergency Communication system.

2.4 EQUIPMENT

A. Machine: AC gearless machine, with permanent magnet synchronous motor, direct current electro-mechanical disc brakes and integral traction drive sheave, mounted to the car guide rail at the top of the hoistway.

B. Governor: Friction type over-speed governor rated for the duty of the elevator.

C. Buffers, Car and Counterweight: Polyurethane buffer.

D. Hoistway Operating Devices:
   1. Emergency stop switch in the pit.
   2. Terminal stopping switches.
   3. Emergency stop switch on the machine.

E. Positioning System: Consisting of magnets and proximity switches.

F. Guide Rails and Attachments: Steel rails with brackets and fasteners.

2.5 EMERGENCY POWER

A. Arrange elevator operation to operate under emergency power when normal power supply fails.

B. Emergency Power Supply: Self-contained battery power.
   1. When the loss of normal power is detected, the battery lowering feature is activated. The elevator will lower to predetermined level (first floor) and open the doors. All passengers can exit the car, after which the doors will close and the car will shutdown. The elevator will automatically resume operation after building power is restored.

2.6 ELECTRICAL CHARACTERISTICS AND COMPONENTS

A. Electrical Characteristics:

1. 480 volts, three phase, 60 Hz.

B. Provide circuit breakers per local Elevator Code Official requirements.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify hoistway shaft and openings are of correct size and within tolerance.

B. Verify that electrical power is available and of the correct characteristics.

3.2 PREPARATION

A. Arrange for temporary electrical power for installation work and testing of elevator components.

3.3 INSTALLATION

A. Install system components. Connect equipment to building utilities.

B. Provide conduit, boxes, wiring, and accessories.

C. Accommodate equipment in space indicated.

D. Install guide rails using threaded bolts with metal shims and lock washers under nuts. Compensate for expansion and contraction movement of guide rails.

E. Accurately machine and align guide rails. Form smooth joints with machined splice plates.

F. Coordinate installation of hoistway wall construction.

G. Install hoistway door sills, frames, and headers in hoistway walls. Grout sills in place. Set entrances in vertical alignment with car openings and aligned with plumb hoistway lines.

H. Structural Metal Surfaces: Clean surfaces of rust, oil or grease; wipe clean with solvent; prime two coats.

I. Adjust equipment for smooth and quiet operation.

3.4 ERECTION TOLERANCES

A. Guide Rail Alignment: Plumb and parallel to each other within 1/8 inch.

3.5 FIELD QUALITY CONTROL

A. Testing and inspection by regulatory agencies will be performed at their discretion.

1. Schedule tests with agencies and notify Owner and Architect.
2. Perform tests required by regulatory agencies.
3. Furnish test and approval certificates issued by authorities having jurisdiction.

3.6 ADJUSTING

A. Adjust for smooth acceleration and deceleration of car so not to cause passenger discomfort.

B. Adjust automatic floor leveling feature at each floor to achieve 1/4 inch from flush.

3.7 CLEANING

A. Remove protective coverings from finished surfaces.

B. Clean surfaces and components ready for inspection.

3.8 PROTECTION

A. Do not permit construction traffic within cab after cleaning.

B. Protect installed products until project completion.

C. Touch-up, repair, or replace damaged products before Date of Substantial Completion.

3.9 MAINTENANCE

A. Perform maintenance work using competent and qualified personnel under the supervision and in the direct employ of the elevator manufacturer or original installer.

B. Provide service and maintenance of elevator system and components for one year from Date of Substantial Completion.

C. Examine system components monthly. Clean, adjust, and lubricate equipment.

D. Include systematic examination, adjustment, and lubrication of elevator equipment. Maintain hydraulic fluid levels. Repair or replace parts whenever required. Use parts produced by the manufacturer of the original equipment. Replace wire ropes when necessary to maintain the required factor of safety.

E. Perform work without removing cars during peak traffic periods.

F. Provide emergency call back service at all hours for this maintenance period.

END OF SECTION

ABBREVIATIONS

ABBREVIATION	TERM
AC	AIR CONDITIONING
ACC	ACCESSIBLE
ACT	ACOUSTIC CEILING TILE
AD	ADDENDUM
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AG	ART GLASS
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMB	AMBULATORY
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
AUX	AUXILIARY
AV	AUDIO VISUAL
AWP	ACOUSTIC WALL PANEL
BCMU	BURNISHED CONCRETE MASONRY UNIT
BLDG	BUILDING
BLKG	BLOCKING
BR	BRICK
BRG	BEARING
BUR	BUILT-UP ROOFING
CC	CUBICLE CURTAIN
CCTV	CLOSED CIRCUIT TELEVISION
CF	CUBIC FOOT
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CJT	CONTROL JOINT
CLG	CEILING
CM	CULTURED MARBLE
CMU	CONCRETE MASONRY UNIT
CO2	CARBON DIOXIDE
COMP	COMPUTER
CONC	CONCRETE
CONT	CONTINUOUS
CPT	CARPET
CPTB	CARPET BASE
CR	CRASH RAIL
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CY	CUBIC YARD
DEMO	DEMOLISH
DET	DETENTION
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DWG	DRAWING
DWP	DECORATIVE WALL PANEL
EA	EACH
EFS	EXTERIOR INSULATION FINISH SYSTEM
EJT	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
ELF	ELASTOMERIC LIQUID FLOORING
EM	ENTRANCE MAT
EQ	EQUAL
EQPT	EQUIPMENT
EVCS	ELECTRIC VEHICLE CHARGING STATIONS
EXG	EXISTING
EXT	EXTERIOR
FAB	FABRIC
FAF	FLUID-APPLIED FLOOR COATING
FAW	FLUID-APPLIED WALL COATING
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER ON BRACKET
FEC	FIRE EXTINGUISHER AND CABINET
FFE	FINISH FLOOR ELEVATION
FG	FLAT GLAZING
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FT	FOOT, FEET
GA	GAUGE
GALV	GALVANIZED
GCMU	GLAZED CONCRETE MASONRY UNIT
GF	GRAPHIC FILM
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GLUELAM	GLUED LAMINATED
GMU	GLASS MASONRY UNIT
GPBD	GYPSUM BOARD
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPMT	HIGH-PERFORMANCE PAINT
HR	HANDRAIL
HR	HOUR
ID	INSIDE DIAMETER
INS	INSULATION
INTB	INTEGRAL BASE
KBT	KEYBOARD TRAY
KD	KNOCKED-DOWN
LAV	LAVATORY
LB	POUNDS
LF	LINEAR FEET
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MB	MARKER BOARD
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MIN	MINUTE
MIR	MIRROR
MISC	MISCELLANEOUS
MLAM	METAL LAMINATE
MO	MASONRY OPENING
MTD	MOUNTED
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
No.or #	NUMBER
NRC	NOISE REDUCTION COEFFICIENT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
PCC	PRECAST CONCRETE
PD	PENCIL DRAWER
PLAM	PLASTIC LAMINATE
PLF	POUNDS PER LINEAL FOOT
PNL	PANEL, PANELING
PNT	PAINT
PR	PROPOSAL REQUEST
PREP	PREPARATION
PROJ NO	PROJECT NUMBER
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PWC	PROTECTIVE WALL COVERING
PWD	PLYWOOD
QSM	QUARTZ SURFACE MATERIAL
QT	QUARRY TILE
QTB	QUARRY TILE BASE
QTY	QUANTITY
R	RADIUS
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCED, REINFORCING
REQD	REQUIRED
REV	REVISED, REVISION
RF	RESILIENT FLOORING
RINS	RIGID INSULATION
RM	ROOM
RO	ROUGH OPENING
RP	RESINOUS PANEL
SC	SHOWER CURTAIN
SCHED	SCHEDULE
SD	SOAP DISPENSER
SDF	STATIC DISSIPATIVE FLOORING
SF	SQUARE FEET
SG	SEALED GLASS INSULATING UNIT
SIM	SIMILAR
SLR	SEALER
SLW	SLOTTED WALL
SNT	SEALANT
SPD	SANITARY PRODUCT DISPENSER
SPEC	SPECIFICATION
SPR	SANITARY PRODUCT RECEPTACLE
SQ	SQUARE
SSM	SOLID SURFACE MATERIAL
SSNT	SECURITY SEALANT
SST	STAINLESS STEEL
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STN	STONE
STRUC	STRUCTURAL
TB	TACKBOARD
TBD	TO BE DETERMINED
TD	TISSUE DISPENSER
TEL	TELEPHONE
TEMP	TEMPERATURE
TEMP	TEMPORARY
TER	TERRAZZO
TERB	TERRAZZO BASE
TPH	TOILET PAPER HOLDER
TS	TRANSITION STRIP
TV	TELEVISION
TYP	TYPICAL
UC	UNDER CABINET / UNDER COUNTER
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITIES
UV	ULTRAVIOLET
VAC	VACUUM
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VOC	VOLATILE ORGANIC COMPOUND
WC	WALL COVERING
WC	WATER CLOSET
WD	WOOD
WDB	WOOD BASE
WP	WATERPROOFING
WT	WINDOW TREATMENT
WWF	WELDED WIRE FABRIC

FLOOR PLAN SYMBOLS LEGEND

Revised 08-23-2016

WALL	M100	EQUIPMENT NUMBER
EXISTING WALL TO REMAIN		WORKING POINT
101A DOOR	1A / 500	INTERIOR SECTION REFERENCE TAG
EXISTING DOOR AND FRAME TO REMAIN	1A / 500	EXTERIOR SECTION REFERENCE TAG
101B INTERIOR BORROWED LIGHT	1A 605 2A	INTERIOR ELEVATION REFERENCE TAG
8'-0" DIMENSION LINE NOMINAL	1A 510	EXTERIOR ELEVATION REFERENCE TAG
A3 / D PARTITION TAG	1A / 605	PLAN DETAIL REFERENCE TAG
OFFICE 101 ROOM NAME AND NUMBER		
100'-0" FLOOR ELEVATION	FL01	KEYNOTE
REVISION CLOUD		GROMMET
	PR1	REVISION TAG
A NEW GRIDLINE	A	EXISTING GRIDLINE
		CENTERLINE

FINISH SYMBOLS LEGEND & ABBREVIATIONS

Revised 08-22-2016

ROOM NUMBER FLOOR FINISH(ES) BASE FINISH WALL FINISH(ES)	GPT ▸◂ VCT	MATERIAL CHANGE LOCATION
		MATERIAL INSTALL DIRECTION
WALL PROTECTION	PNT	ACCENT WALL FINISH
CG CORNER GUARD	FN01	KEYNOTE

FLOOR AND FINISH PLAN GENERAL NOTES

1. ALL LOUVERS, VENTS, GRILLES AND OTHER MISC MECHANICAL AND ELECTRICAL DEVICES SHALL BE PAINTED TO MATCH SURFACE WHICH THEY APPEAR, UNLESS OTHERWISE NOTED.
2. HM FRAMES TO BE PAINTED TO MATCH THE SURFACE ON WHICH IT APPEARS, UNLESS NOTED OTHERWISE.
3. ALL GPBD CEILINGS AND SOFFITS TO BE PNT4, UNLESS NOTED OTHERWISE.
4. WHEN MORE THAN ONE FINISH IS LISTED IN A ROOM FINISH TAG THE FIRST FINISH LISTED IS THE PRIMARY FINISH. OTHER FINISHES LISTED ARE SPECIFICALLY CALLED OUT AND ARE SHOWN IN ELEVATION.
5. REFER TO ELEVIDETAILS FOR ADDITIONAL CASEWORK AND FINISH NOTES.
6. CONTRACTOR IS RESPONSIBLE FOR MAKING SMOOTH, FLAT JOINTS BETWEEN TRANSITION OF DIFFERENT FLOORING MATERIALS.
7. ALL CORNER GUARDS TO BE FULL HEIGHT, UNLESS NOTED OTHERWISE.
8. PAINT AND WOOD STAIN DRAW DOWNS MUST BE SUBMITTED AND APPROVED BY INTERIOR DESIGNER.
9. NO RB AT MASONRY WALLS - TYPICAL.
10. ALL FLOOR FINISHES SHALL CHANGE AT CENTERLINE OF DOOR, UNLESS NOTED OTHERWISE.
11. REFER TO FINISH SCHEDULE FOR TRANSITION.
12. HANDRAILS TO BE INSTALLED WITH TOP AT 34" AFF, UNLESS OTHERWISE NOTED.
13. INSTALL WOOD, PLAM, AND GRAPHIC FILM WITH GRAIN VERTICAL, UNLESS NOTED OTHERWISE.

GENERAL NOTES

Revised 08-23-2016

1. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK MAY BE NECESSARY IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL AND PLUMBING ALONG WITH OTHER SYSTEMS. THIS INCIDENTAL WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST.
2. CONTRACTORS SHALL VISIT THE SITE DURING BIDDING TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHALL LOCATE, INSPECT AND FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
3. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
4. WHEREVER OPENINGS ARE CUT THROUGH FIRE RATED PARTITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR WHOM THE HOLE IS CUT TO PATCH AND REPAIR ANY OPENING TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.
5. GENERAL CONTRACTOR TO CHECK MECHANICAL DRAWINGS FOR EXISTING PIPES AND DUCTS FURRED IN WALLS. VERIFY SIZE AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO PROCEEDING WITH REMODELING.
6. FIREPROOFING SHALL BE UNPIERCED. ANY SUBCONTRACTOR PENETRATING THE FIREPROOFING SHALL BE REQUIRED TO REPLACE FIREPROOFING TO THE ORIGINAL CONDITION AND FIRE RATING, AT THE SUBCONTRACTORS EXPENSE.
7. EQUIPMENT UNIT DIMENSIONS ARE FOR PRODUCT DESCRIPTION ONLY, VERIFY SIZE WITH MANUFACTURER.
8. ALL DIMENSIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH THE RESPECTIVE TRADE.
9. ALL CONTRACTORS THAT PENETRATE AND/OR DISTURB ANY AREAS AT EXISTING CONDITIONS SHALL PATCH AREA TO MATCH EXISTING ADJACENT AREA OR SURFACE AND PREPARE FOR SCHEDULED FINISH APPLICATION. COORDINATE WORK WITH GENERAL CONTRACTOR PRIOR TO PROCEEDING.
10. VERIFY HEIGHTS AND LOCATIONS OF ACCESS PANELS (AP) AND COORDINATE TYPES WITH TRADES WHICH REQUIRE THEM.
11. PROVIDE LINTELS AND FRAMING FOR GRILLES, LOUVERS, AND ROOF VENTS AS REQUIRED BY MECHANICAL CONTRACTOR. VERIFY SIZE AND LOCATION.
12. STRUCTURAL, MECHANICAL, AND ELECTRICAL ABBREVIATIONS AND SYMBOLS MAY DIFFER FROM ARCHITECTURAL. SEE RESPECTIVE SECTIONS AND/OR DRAWINGS FOR DEFINITIONS.
13. AT MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, PROVIDE 3/4" FRT PLYWOOD BACKING BEHIND ALL SURFACE MOUNTED FIXTURES AND EQUIPMENT, UNLESS NOTED OTHERWISE.
14. HOUSEKEEPING PADS SHALL BE PROVIDED BY TRADES WHICH REQUIRE THEM. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZES AND LOCATIONS.

REFLECTED CEILING PLAN SYMBOLS LEGEND

Revised 1-5-2017

GPBD CEILING / SOFFIT			2' X 4' LIGHT FIXTURE
ACT CEILING SYSTEM			2' X 2' LIGHT FIXTURE
AP ACCESS PANEL			1' X 4' LIGHT FIXTURE
9'-0" AFF ACT1 CEILING ELEVATION AND FINISH			PENDANT STRIP LIGHT FIXTURE
MECHANICAL SUPPLY GRILLE			PENDANT STRIP LIGHT FIXTURE
MECHANICAL RETURN GRILLE			RECESSED LIGHT FIXTURE
RCD1 KEYNOTE			WALL SCONCE LIGHT FIXTURE
MECHANICAL RADIANT HEAT PANEL			MECHANICAL LINEAR SUPPLY GRILLE

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

REFLECTED CEILING PLAN GENERAL NOTES

Revised 1-11-2017

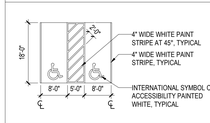
1. GENERAL CONTRACTOR TO COORDINATE ALL CEILING MOUNTED EQUIPMENT SUPPORT REQUIREMENTS, LOCATIONS, DIMENSIONS, ETC WITH EQUIPMENT SUPPLIER AND OWNER, PRIOR TO INSTALLATION.
2. ALL CEILINGS TO BE EXPOSED CONCRETE. NO FINISHES APPLIED. UNLESS OTHERWISE NOTED.
3. FINISHED GPBD SOFFITS SHALL EXTEND 1" BEYOND FACE AND EXPOSED ENDS OF WALL CABINETS, FULL-HEIGHT CABINETS, ETC UNLESS NOTED OTHERWISE. COORDINATE CABINET DIMENSIONS WITH SUPPLIER. GPBD FASCIA/SOFFIT DETAILS ARE REFERENCED FROM THE REFLECTED CEILING PLAN.
4. SEE MECHANICAL DRAWINGS FOR SPRINKLER HEAD TYPES AND LOCATIONS. CENTER ALL HEADS IN ACTUNLESS NOTED OTHERWISE.
5. ALL CEILING MOUNTED ITEMS SUCH AS LIGHT FIXTURES, GRILLES, DIFFUSERS, SPEAKERS, EXIT LIGHTS, ETC SHALL BE LOCATED IN THE CENTER OF ACT PANELS, GPBD SOFFITS AND/OR PLASTER SOFFIT BAYS, UNLESS NOTED OTHERWISE. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS

PARKING STRIPING GENERAL NOTES:

1. ALL STRIPING IS YELLOW.
2. ALL PARKING IS DIVIDED BY A SINGLE 4" LINE
3. THE WIDTH OF THE PARKING SPACE IS MEASURED FROM THE CENTERLINE TO CENTERLINE OF THE SINGLE STRIP.
4. PAINT A BACK LINE ON ALL COMPACT SPACES (C).
5. CENTER STALL OF PARKING SPACES TO BE CENTERED ON STRUCTURAL COLUMNS, WHERE APPLICABLE.
6. STRIPING TO TERMINATE A CONSISTENT DISTANCE FROM END WALL; MAXIMUM 6" OPEN.
7. DO NOT PAINT THE HANDICAPPED SYMBOL ON THE CONCRETE.
8. DO NOT PAINT THE LETTER THAT DESIGNATES STALL TYPE (I.E. "I", "C").
9. PAINT ALL EDGES OF ELEVATION CHANGE WITHIN THE PARKING RAMP YELLOW, INCLUDING BUT NOT LIMITED TO RAMPS, CURBS AND ISLANDS.

AD-01\

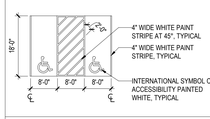
PARKING STALL SYMBOLS LEGEND



ACCESSIBLE PARKING SPOT (8'-0" X 18'-0")

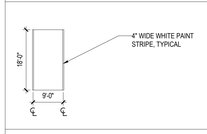
8'-0" ACCESS AISLE

NOTE: ALSO USED FOR ACCESSIBLE EVCS PARKING SPOT



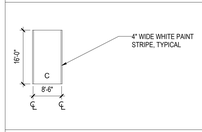
ACCESSIBLE VAN PARKING SPOT (8'-0" X 18'-0")

8'-0" ACCESS AISLE

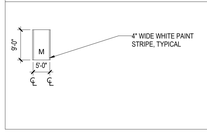


STANDARD PARKING SPOT (9'-0" X 18'-0")

NOTE: ALSO USED FOR EVCS PARKING SPOT



COMPACT PARKING SPOT (8'-6" X 16'-0")



MOTORCYCLE / MOPED PARKING SPOT (5'-0" X 16'-0")

PARKING COUNT PER TYPE	
STALL TYPE	COUNT
Accessible (8'-0" X 18'-0")	6
Accessible (8'-0" X 19'-0")	4
ACCESSIBLE VAN (8'-0" X 18'-0")	3
COMPACT (8'-6" X 16'-0")	56
EV CHARGING STATION (8'-0" X 18'-0")	4
MOTORCYCLE/MOPED (5'-0" X 9'-0")	8
MOTORCYCLE/MOPED (5'-0" X 10'-0")	12
STANDARD (9'-0" X 18'-0")	582
Total: 675	675

PARKING COUNT PER LEVEL	
STALL TYPE	COUNT
FIRST LEVEL PARKING	
Accessible (8'-0" X 18'-0")	1
Accessible (8'-0" X 19'-0")	4
ACCESSIBLE VAN (8'-0" X 18'-0")	3
COMPACT (8'-6" X 16'-0")	10
EV CHARGING STATION (8'-0" X 18'-0")	2
MOTORCYCLE/MOPED (5'-0" X 9'-0")	8
MOTORCYCLE/MOPED (5'-0" X 10'-0")	12
STANDARD (9'-0" X 18'-0")	44
FIRST LEVEL PARKING: 84	84
FLOOR PLAN - SECOND LEVEL	
Accessible (8'-0" X 18'-0")	5
COMPACT (8'-6" X 16'-0")	13
EV CHARGING STATION (8'-0" X 18'-0")	2
STANDARD (9'-0" X 18'-0")	129

PARKING COUNT PER LEVEL	
STALL TYPE	COUNT
FLOOR PLAN - SECOND LEVEL: 149	149
THIRD LEVEL PARKING	
COMPACT (8'-6" X 16'-0")	12
STANDARD (9'-0" X 18'-0")	136
THIRD LEVEL PARKING: 148	148
FLOOR PLAN - FOURTH LEVEL	
COMPACT (8'-6" X 16'-0")	12
STANDARD (9'-0" X 18'-0")	136
FLOOR PLAN - FOURTH LEVEL: 148	148
FLOOR PLAN - FIFTH LEVEL	
COMPACT (8'-6" X 16'-0")	9
STANDARD (9'-0" X 18'-0")	137
FLOOR PLAN - FIFTH LEVEL: 146	146
Total: 675	675

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CONSULTANTS:

BWBR

PROJECT TITLE:

Capitol East Parking Garage

211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:

CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM#1

PROJECT INFORMATION:

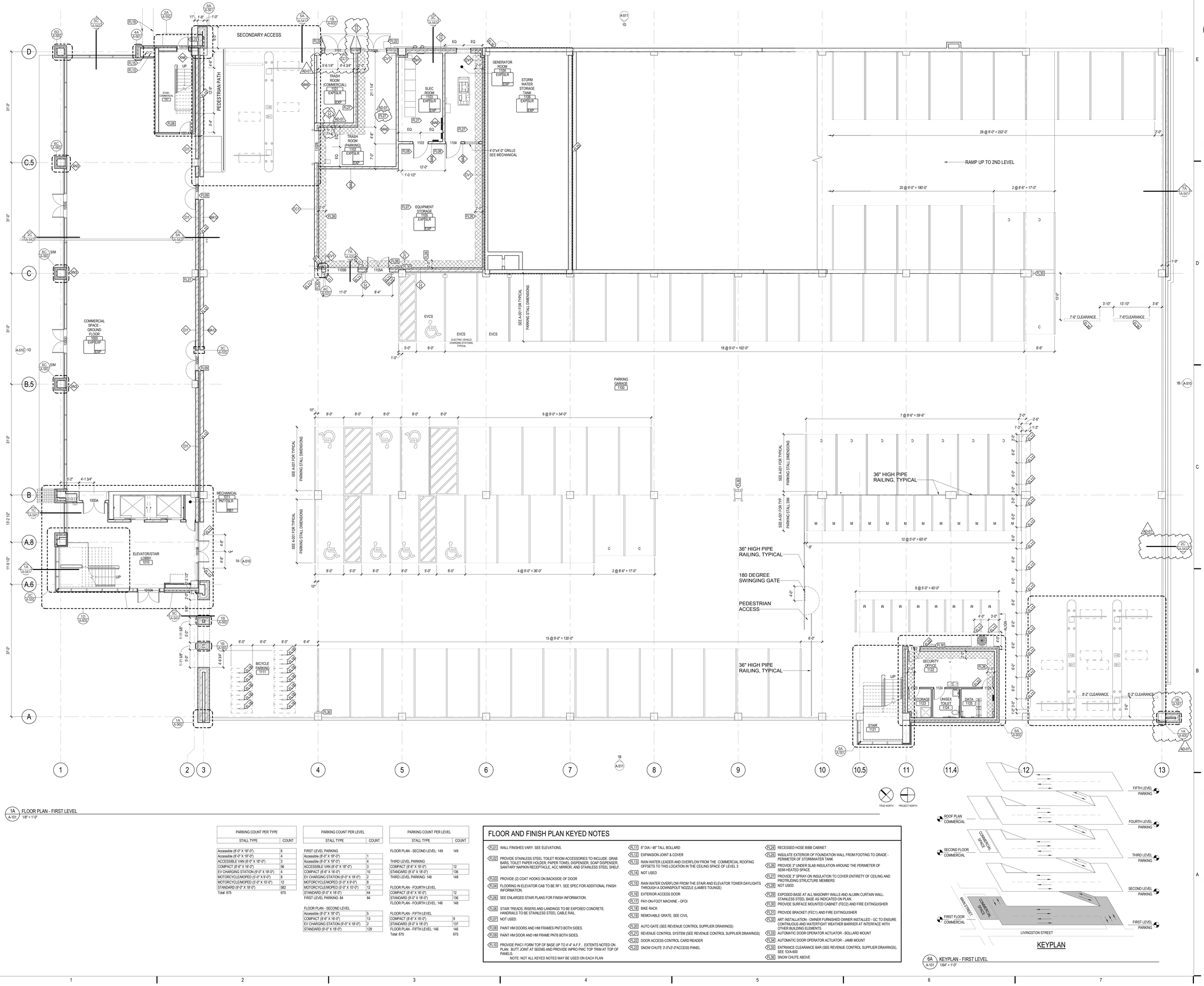
PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	LS
CHECKED BY:	KF
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:

SYMBOLS LEGENDS, AND GENERAL NOTES

SHEET NUMBER:

A-001



PARKING COUNT PER TYPE	
STALL TYPE	COUNT
Accessible (8'-0" X 18'-0")	6
Accessible (8'-0" X 18'-0")	4
ACCESSIBLE VAN (8'-0" X 18'-0")	3
COMPACT (8'-6" X 16'-0")	56
EV CHARGING STATION (8'-0" X 18'-0")	4
MOTORCYCLE/MOPED (5'-0" X 9'-0")	8
MOTORCYCLE/MOPED (5'-0" X 10'-0")	12
STANDARD (8'-0" X 18'-0")	582
Total: 675	675

PARKING COUNT PER LEVEL	
STALL TYPE	COUNT
FIRST LEVEL PARKING	
Accessible (8'-0" X 18'-0")	1
Accessible (8'-0" X 18'-0")	4
ACCESSIBLE VAN (8'-0" X 18'-0")	3
COMPACT (8'-6" X 16'-0")	10
EV CHARGING STATION (8'-0" X 18'-0")	2
MOTORCYCLE/MOPED (5'-0" X 9'-0")	8
MOTORCYCLE/MOPED (5'-0" X 10'-0")	12
STANDARD (8'-0" X 18'-0")	44
FIRST LEVEL PARKING: 84	84
FLOOR PLAN - SECOND LEVEL	
Accessible (8'-0" X 18'-0")	5
COMPACT (8'-6" X 16'-0")	13
EV CHARGING STATION (8'-0" X 18'-0")	2
STANDARD (8'-0" X 18'-0")	129

PARKING COUNT PER LEVEL	
STALL TYPE	COUNT
FLOOR PLAN - SECOND LEVEL: 149	149
THIRD LEVEL PARKING	
COMPACT (8'-6" X 16'-0")	12
STANDARD (8'-0" X 18'-0")	136
THIRD LEVEL PARKING: 148	148
FLOOR PLAN - FOURTH LEVEL	
COMPACT (8'-6" X 16'-0")	12
STANDARD (8'-0" X 18'-0")	136
FLOOR PLAN - FOURTH LEVEL: 148	148
FLOOR PLAN - FIFTH LEVEL	
COMPACT (8'-6" X 16'-0")	9
STANDARD (8'-0" X 18'-0")	137
FLOOR PLAN - FIFTH LEVEL: 146	146
Total: 675	675

FLOOR AND FINISH PLAN KEYED NOTES

- FL01 WALL FINISHES VARY. SEE ELEVATIONS.
- FL02 PROVIDE STAINLESS STEEL TOILET ROOM ACCESSORIES TO INCLUDE: GRAB BARS, TOILET PAPER HOLDER, PAPER TOWEL DISPENSER, SOAP DISPENSER, SANITARY NAPKIN RECEPTACLE, ACC MIRROR, AND STAINLESS STEEL SHELF.
- FL03 PROVIDE (2) COAT HOOKS ON BACKSIDE OF DOOR
- FL04 FLOORING IN ELEVATOR CAB TO BE RF1. SEE SPEC FOR ADDITIONAL FINISH INFORMATION.
- FL06 SEE ENLARGED STAIR PLANS FOR FINISH INFORMATION.
- FL06 STAIR TREADS, RISERS AND LANDINGS TO BE EXPOSED CONCRETE. HANDRAILS TO BE STAINLESS STEEL CABLE RAIL.
- FL07 NOT USED.
- FL08 PAINT HM DOORS AND HM FRAMES PNT3 BOTH SIDES.
- FL09 PAINT HM DOOR AND HM FRAME PNT6 BOTH SIDES.
- FL10 PROVIDE PWC1 FORM TOP OF BASE UP TO 4'-4" A.F.F.. EXTENTS NOTED ON PLAN. BUTT JOINT AT SEEMS AND PROVIDE INPRO PWC TOP TRIM AT TOP OF PANELS.
  NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN
- FL11 6" DIA / 48" TALL BOLLARD
- FL12 EXPANSION JOINT & COVER
- FL13 RAIN WATER LEADER AND OVERFLOW FROM THE COMMERCIAL ROOFING OFFSETS TO THIS LOCATION IN THE CEILING SPACE OF LEVEL 3
- FL14 NOT USED
- FL15 RAIN WATER OVERFLOW FROM THE STAIR AND ELEVATOR TOWER DAYLIGHTS THROUGH A DOWNSPOUT NOZZLE (LAMB'S TOUNGE)
- FL16 EXTERIOR ACCESS DOOR
- FL17 PAY-ON-FOOT MACHINE - OFCI
- FL18 BIKE RACK
- FL19 REMOVABLE GRATE, SEE CIVIL
- FL20 AUTO GATE (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL21 REVENUE CONTROL SYSTEM (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL22 DOOR ACCESS CONTROL CARD READER
- FL23 SNOW CHUTE 3'-0"x3'-0"ACCESS PANEL
- FL24 RECESSED HOSE BIBB CABINET
- FL25 INSULATE EXTERIOR OF FOUNDATION WALL FROM FOOTING TO GRADE - PERIMETER OF STORMWATER TANK
- FL26 PROVIDE 3" UNDER SLAB INSULATION AROUND THE PERIMETER OF SEMI-HEATED SPACE
- FL27 PROVIDE 3" SPRAY-ON INSULATION TO COVER ENTIRETY OF CEILING AND PROTRUDING STRUCTURE MEMBERS
- FL28 NOT USED.
- FL29 EXPOSED BASE AT ALL MASONRY WALLS AND ALUMN CURTAIN WALL. STAINLESS STEEL BASE AS INDICATED ON PLAN.
- FL30 PROVIDE SURFACE MOUNTED CABINET (FEC2) AND FIRE EXTINGUISHER
- FL31 PROVIDE BRACKET (FEC1) AND FIRE EXTINGUISHER
- FL32 ART INSTALLATION - OWNER FURNISHED OWNER INSTALLED - GC TO ENSURE CONTINUOUS AND WATERTIGHT WEATHER BARRIER AT INTERFACE WITH OTHER BUILDING ELEMENTS
- FL33 AUTOMATIC DOOR OPERATOR ACTUATOR - BOLLARD MOUNT
- FL34 AUTOMATIC DOOR OPERATOR ACTUATOR - JAMB MOUNT
- FL35 ENTRANCE CLEARANCE BAR (SEE REVENUE CONTROL SUPPLIER DRAWINGS), SEE 10/A-600
- FL36 SNOW CHUTE ABOVE

KEYPLAN

6A A-101 KEYPLAN - FIRST LEVEL 1/64" = 1'-0"

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CONSULTANTS:

BWBR

PROJECT TITLE:

Capitol East Parking Garage

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MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:

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MADISON, WISCONSIN 53801-2985

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM#1

PROJECT INFORMATION:

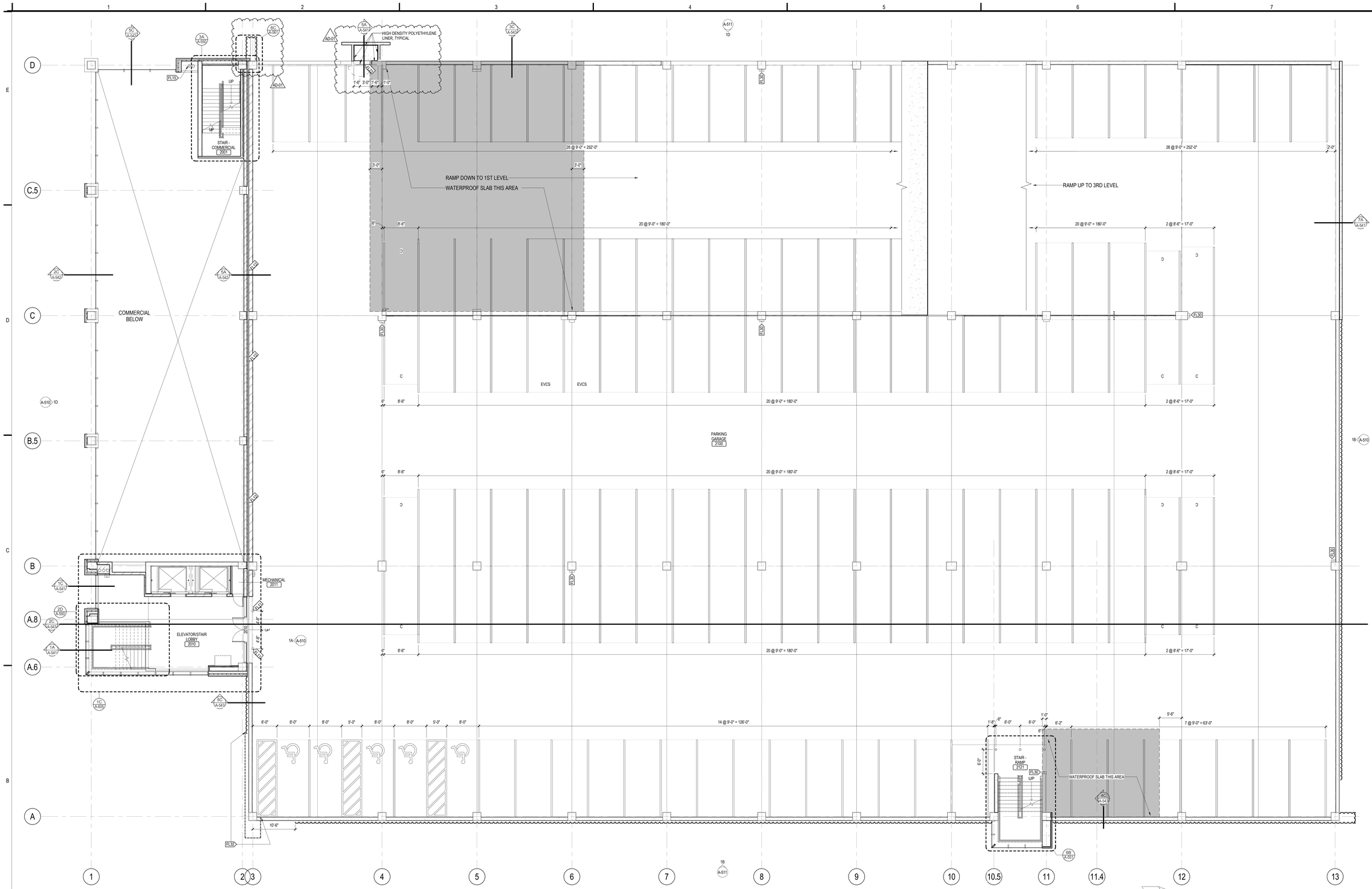
PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	JM
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:

FIRST LEVEL PARKING - FIRST FLOOR COMMERCIAL PLAN

SHEET NUMBER:

A-101



1A A-102 FLOOR PLAN - SECOND LEVEL
1/8" = 1'-0"

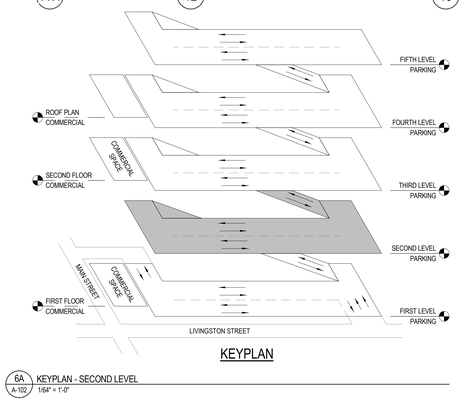
PARKING COUNT PER TYPE	
STALL TYPE	COUNT
Accessible (8'-0" X 18'-0")	6
Accessible (8'-0" X 19'-0")	4
ACCESSIBLE VAN (8'-0" X 18'-0")	3
COMPACT (8'-0" X 16'-0")	56
EV CHARGING STATION (8'-0" X 18'-0")	4
MOTORCYCLE/MOPED (5'-0" X 9'-0")	8
MOTORCYCLE/MOPED (5'-0" X 10'-0")	12
STANDARD (8'-0" X 18'-0")	582
Total: 675	675

PARKING COUNT PER LEVEL	
STALL TYPE	COUNT
FIRST LEVEL PARKING	
Accessible (8'-0" X 18'-0")	1
Accessible (8'-0" X 19'-0")	4
ACCESSIBLE VAN (8'-0" X 18'-0")	3
COMPACT (8'-6" X 16'-0")	10
EV CHARGING STATION (8'-0" X 18'-0")	2
MOTORCYCLE/MOPED (5'-0" X 9'-0")	8
MOTORCYCLE/MOPED (5'-0" X 10'-0")	12
STANDARD (8'-0" X 18'-0")	44
FIRST LEVEL PARKING: 84	84
FLOOR PLAN - SECOND LEVEL	
Accessible (8'-0" X 18'-0")	5
COMPACT (8'-6" X 16'-0")	13
EV CHARGING STATION (8'-0" X 18'-0")	2
STANDARD (8'-0" X 18'-0")	129

PARKING COUNT PER LEVEL	
STALL TYPE	COUNT
FLOOR PLAN - SECOND LEVEL: 149	149
THIRD LEVEL PARKING	
COMPACT (8'-6" X 16'-0")	12
STANDARD (8'-0" X 18'-0")	136
THIRD LEVEL PARKING: 148	148
FLOOR PLAN - FOURTH LEVEL	
COMPACT (8'-6" X 16'-0")	12
STANDARD (8'-0" X 18'-0")	136
FLOOR PLAN - FOURTH LEVEL: 148	148
FLOOR PLAN - FIFTH LEVEL	
COMPACT (8'-6" X 16'-0")	9
STANDARD (8'-0" X 18'-0")	137
FLOOR PLAN - FIFTH LEVEL: 146	146
Total: 675	675

FLOOR AND FINISH PLAN KEYED NOTES

- FL01 WALL FINISHES VARY. SEE ELEVATIONS.
- FL02 PROVIDE STAINLESS STEEL TOILET ROOM ACCESSORIES TO INCLUDE: GRAB BARS, TOILET PAPER HOLDER, PAPER TOWEL DISPENSER, SOAP DISPENSER, SANITARY NAPKIN RECEPTACLE, ACC MIRROR, AND STAINLESS STEEL SHELF.
- FL03 PROVIDE (2) COAT HOOKS ON BACKSIDE OF DOOR
- FL04 FLOORING IN ELEVATOR CAB TO BE RF1. SEE SPEC FOR ADDITIONAL FINISH INFORMATION.
- FL06 SEE ENLARGED STAIR PLANS FOR FINISH INFORMATION.
- FL06 STAIR TREADS, RISERS AND LANDINGS TO BE EXPOSED CONCRETE. HANDRAILS TO BE STAINLESS STEEL CABLE RAIL.
- FL07 NOT USED.
- FL08 PAINT HM DOORS AND HM FRAMES PNT3 BOTH SIDES.
- FL09 PAINT HM DOOR AND HM FRAME PNT6 BOTH SIDES.
- FL10 PROVIDE PWC1 FORM TOP OF BASE UP TO 4'-4" A.F.F.. EXTENTS NOTED ON PLAN. BUTT JOINT AT SEEMS AND PROVIDE INPRO PWC TOP TRIM AT TOP OF PANELS.
  NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN
- FL11 6" DIA / 48" TALL BOLLARD
- FL12 EXPANSION JOINT & COVER
- FL13 RAIN WATER LEADER AND OVERFLOW FROM THE COMMERCIAL ROOFING OFFSETS TO THIS LOCATION IN THE CEILING SPACE OF LEVEL 3
- FL14 NOT USED
- FL15 RAIN WATER OVERFLOW FROM THE STAIR AND ELEVATOR TOWER DAYLIGHTS THROUGH A DOWNSPOUT NOZZLE (LAMB'S TOUNGE)
- FL16 EXTERIOR ACCESS DOOR
- FL17 PAY-ON-FOOT MACHINE - OFOI
- FL18 BIKE RACK
- FL19 REMOVABLE GRATE, SEE CIVIL
- FL20 AUTO GATE (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL21 REVENUE CONTROL SYSTEM (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL22 DOOR ACCESS CONTROL CARD READER
- FL23 SNOW CHUTE 3'-0"x3'-0"ACCESS PANEL
- FL24 RECESSED HOSE BIBB CABINET
- FL25 INSULATE EXTERIOR OF FOUNDATION WALL FROM FOOTING TO GRADE - PERIMETER OF STORMWATER TANK
- FL26 PROVIDE 3" UNDER SLAB INSULATION AROUND THE PERIMETER OF SEMI-HEATED SPACE
- FL27 PROVIDE 3" SPRAY-ON INSULATION TO COVER ENTIRETY OF CEILING AND PROTRUDING STRUCTURE MEMBERS
- FL28 NOT USED.
- FL29 EXPOSED BASE AT ALL MASONRY WALLS AND ALUMN CURTAIN WALL. STAINLESS STEEL BASE AS INDICATED ON PLAN.
- FL30 PROVIDE SURFACE MOUNTED CABINET (FECC) AND FIRE EXTINGUISHER
- FL31 PROVIDE BRACKET (FEC1) AND FIRE EXTINGUISHER
- FL32 ART INSTALLATION - OWNER FURNISHED OWNER INSTALLED - GC TO ENSURE CONTINUOUS AND WATERTIGHT WEATHER BARRIER AT INTERFACE WITH OTHER BUILDING ELEMENTS
- FL33 AUTOMATIC DOOR OPERATOR ACTUATOR - BOLLARD MOUNT
- FL34 AUTOMATIC DOOR OPERATOR ACTUATOR - JAMB MOUNT
- FL35 ENTRANCE CLEARANCE BAR (SEE REVENUE CONTROL SUPPLIER DRAWINGS), SEE 10/A-600
- FL36 SNOW CHUTE ABOVE



KEYPLAN

6A A-102 KEYPLAN - SECOND LEVEL
1/64" = 1'-0"

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211 SOUTH LIVINGSTON STREET, MADISON WI 53703
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ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM#1

PROJECT INFORMATION:

PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	JM
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
SECOND LEVEL PARKING PLAN

SHEET NUMBER:
A-102

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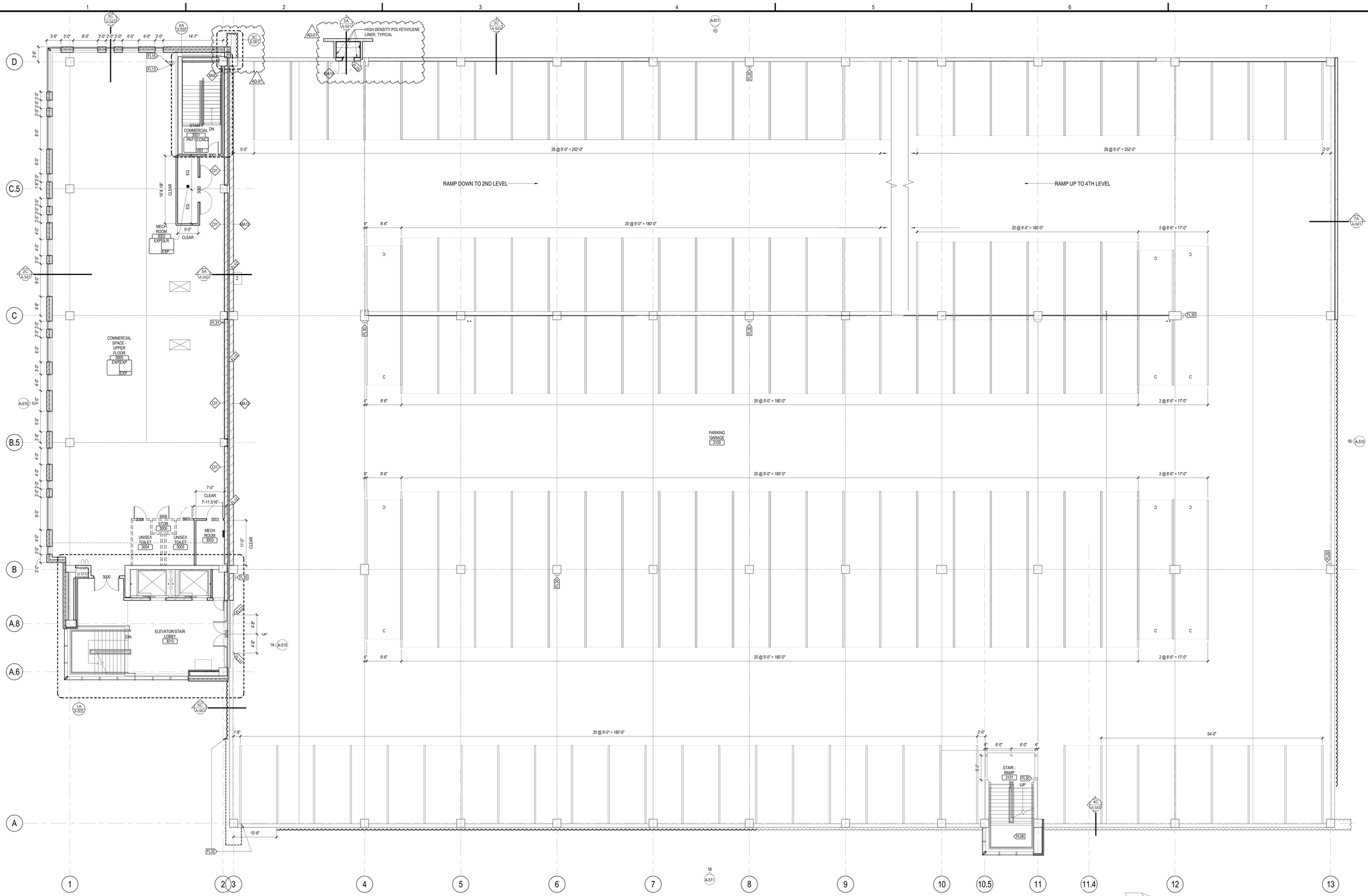


1A FLOOR PLAN - THIRD LEVEL PARKING & SECOND LEVEL COMMERCIAL
A-103 1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

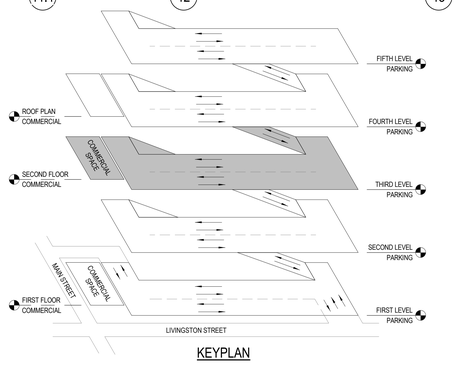
PARKING COUNT PER TYPE	
STALL TYPE	COUNT
Accessible (8'-0" X 18'-0")	6
Accessible (8'-0" X 19'-0")	4
ACCESSIBLE VAN (8'-0" X 18'-0")	3
COMPACT (8'-6" X 16'-0")	56
EV CHARGING STATION (9'-0" X 18'-0")	4
MOTORCYCLE/MOPED (5'-0" X 9'-0")	8
MOTORCYCLE/MOPED (5'-0" X 10'-0")	12
STANDARD (9'-0" X 18'-0")	582
Total: 675	675

PARKING COUNT PER LEVEL	
STALL TYPE	COUNT
FIRST LEVEL PARKING	
Accessible (8'-0" X 18'-0")	1
Accessible (8'-0" X 19'-0")	4
ACCESSIBLE VAN (8'-0" X 18'-0")	3
COMPACT (8'-6" X 16'-0")	10
EV CHARGING STATION (9'-0" X 18'-0")	2
MOTORCYCLE/MOPED (5'-0" X 9'-0")	8
MOTORCYCLE/MOPED (5'-0" X 10'-0")	12
STANDARD (9'-0" X 18'-0")	44
FIRST LEVEL PARKING: 84	84
FLOOR PLAN - SECOND LEVEL	
Accessible (8'-0" X 18'-0")	5
COMPACT (8'-6" X 16'-0")	13
EV CHARGING STATION (9'-0" X 18'-0")	2
STANDARD (9'-0" X 18'-0")	129

PARKING COUNT PER LEVEL	
STALL TYPE	COUNT
FLOOR PLAN - SECOND LEVEL: 149	149
THIRD LEVEL PARKING	
COMPACT (8'-6" X 16'-0")	12
STANDARD (9'-0" X 18'-0")	136
THIRD LEVEL PARKING: 148	148
FLOOR PLAN - FOURTH LEVEL	
COMPACT (8'-6" X 16'-0")	12
STANDARD (9'-0" X 18'-0")	136
FLOOR PLAN - FOURTH LEVEL: 148	148
FLOOR PLAN - FIFTH LEVEL	
COMPACT (8'-6" X 16'-0")	9
STANDARD (9'-0" X 18'-0")	137
FLOOR PLAN - FIFTH LEVEL: 146	146
Total: 675	675

FLOOR AND FINISH PLAN KEYED NOTES

- FL01 WALL FINISHES VARY. SEE ELEVATIONS.
- FL02 PROVIDE STAINLESS STEEL TOILET ROOM ACCESSORIES TO INCLUDE: GRAB BARS, TOILET PAPER HOLDER, PAPER TOWEL DISPENSER, SOAP DISPENSER, SANITARY NAPKIN RECEPTACLE, ACC MIRROR, AND STAINLESS STEEL SHELF.
- FL03 PROVIDE (2) COAT HOOKS ON BACKSIDE OF DOOR
- FL04 FLOORING IN ELEVATOR CAB TO BE RF1. SEE SPEC FOR ADDITIONAL FINISH INFORMATION.
- FL06 SEE ENLARGED STAIR PLANS FOR FINISH INFORMATION.
- FL06 STAIR TREADS, RISERS AND LANDINGS TO BE EXPOSED CONCRETE. HANDRAILS TO BE STAINLESS STEEL CABLE RAIL.
- FL07 NOT USED.
- FL08 PAINT HM DOORS AND HM FRAMES PNT3 BOTH SIDES.
- FL09 PAINT HM DOOR AND HM FRAME PNT6 BOTH SIDES.
- FL10 PROVIDE PWC1 FORM TOP OF BASE UP TO 4'-4" A.F.F. EXTENTS NOTED ON PLAN. BUTT JOINT AT SEEMS AND PROVIDE INPRO PWC TOP TRIM AT TOP OF PANELS.
  NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN
- FL11 6" DIA / 48" TALL BOLLARD
- FL12 EXPANSION JOINT & COVER
- FL13 RAIN WATER LEADER AND OVERFLOW FROM THE COMMERCIAL ROOFING OFFSETS TO THIS LOCATION IN THE CEILING SPACE OF LEVEL 3
- FL14 NOT USED
- FL15 RAIN WATER OVERFLOW FROM THE STAIR AND ELEVATOR TOWER DAYLIGHTS THROUGH A DOWNSPOUT NOZZLE (LAMB'S TOUNGE)
- FL16 EXTERIOR ACCESS DOOR
- FL17 PAY-ON-FOOT MACHINE - OFOI
- FL18 BIKE RACK
- FL19 REMOVABLE GRATE, SEE CIVIL
- FL20 AUTO GATE (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL21 REVENUE CONTROL SYSTEM (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL22 DOOR ACCESS CONTROL CARD READER
- FL23 SNOW CHUTE 3'-0"x3'-0"ACCESS PANEL
- FL24 RECESSED HOSE BIBB CABINET
- FL25 INSULATE EXTERIOR OF FOUNDATION WALL FROM FOOTING TO GRADE - PERIMETER OF STORMWATER TANK
- FL26 PROVIDE 3" UNDER SLAB INSULATION AROUND THE PERIMETER OF SEMI-HEATED SPACE
- FL27 PROVIDE 3" SPRAY-ON INSULATION TO COVER ENTIRETY OF CEILING AND PROTRUDING STRUCTURE MEMBERS
- FL28 NOT USED.
- FL29 EXPOSED BASE AT ALL MASONRY WALLS AND ALUMN CURTAIN WALL. STAINLESS STEEL BASE AS INDICATED ON PLAN.
- FL30 PROVIDE SURFACE MOUNTED CABINET (FEC2) AND FIRE EXTINGUISHER
- FL31 PROVIDE BRACKET (FEC1) AND FIRE EXTINGUISHER
- FL32 ART INSTALLATION - OWNER FURNISHED OWNER INSTALLED - GC TO ENSURE CONTINUOUS AND WATERTIGHT WEATHER BARRIER AT INTERFACE WITH OTHER BUILDING ELEMENTS
- FL33 AUTOMATIC DOOR OPERATOR ACTUATOR - BOLLARD MOUNT
- FL34 AUTOMATIC DOOR OPERATOR ACTUATOR - JAMB MOUNT
- FL35 ENTRANCE CLEARANCE BAR (SEE REVENUE CONTROL SUPPLIER DRAWINGS), SEE 1D/A-600
- FL36 SNOW CHUTE ABOVE



KEYPLAN

6A KEYPLAN - THIRD LEVEL
A-103 1/64" = 1'-0"

GRAEF
5126 West Terrace Drive,
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CONSULTANTS:

BWBR

PROJECT TITLE:
Capitol East Parking Garage
211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:
CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM#1

PROJECT INFORMATION:

PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	JM
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
THIRD LEVEL PARKING - SECOND FLOOR COMMERCIAL PLAN

SHEET NUMBER:
A-103

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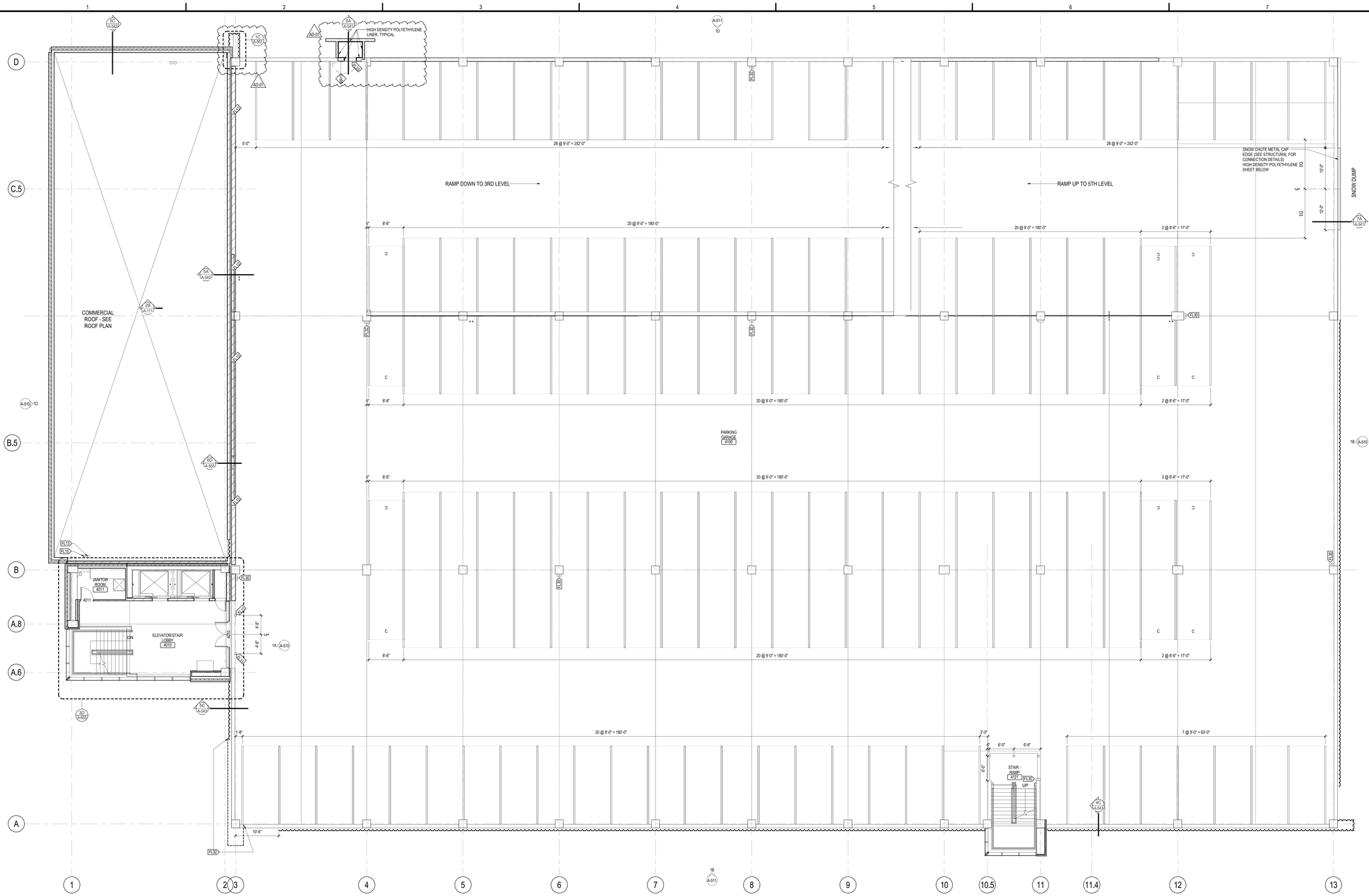


1A A-104 FLOOR PLAN - FOURTH LEVEL
1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

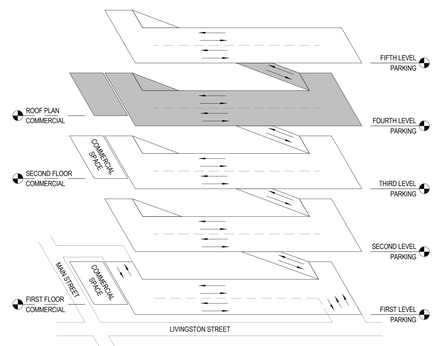
PARKING COUNT PER TYPE	
STALL TYPE	COUNT
Accessible (8'-0" X 18'-0")	6
Accessible (8'-0" X 19'-0")	4
ACCESSIBLE VAN (8'-0" X 18'-0")	3
COMPACT (8'-6" X 16'-0")	56
EV CHARGING STATION (8'-0" X 18'-0")	4
MOTORCYCLE/MOPED (5'-0" X 9'-0")	8
MOTORCYCLE/MOPED (5'-0" X 10'-0")	12
STANDARD (8'-0" X 18'-0")	582
Total: 675	675

PARKING COUNT PER LEVEL	
STALL TYPE	COUNT
FIRST LEVEL PARKING	
Accessible (8'-0" X 18'-0")	1
Accessible (8'-0" X 19'-0")	4
ACCESSIBLE VAN (8'-0" X 18'-0")	3
COMPACT (8'-6" X 16'-0")	10
EV CHARGING STATION (8'-0" X 18'-0")	2
MOTORCYCLE/MOPED (5'-0" X 9'-0")	8
MOTORCYCLE/MOPED (5'-0" X 10'-0")	12
STANDARD (8'-0" X 18'-0")	44
FIRST LEVEL PARKING: 84	84
FLOOR PLAN - SECOND LEVEL	
Accessible (8'-0" X 18'-0")	5
COMPACT (8'-6" X 16'-0")	13
EV CHARGING STATION (8'-0" X 18'-0")	2
STANDARD (8'-0" X 18'-0")	129

PARKING COUNT PER LEVEL	
STALL TYPE	COUNT
FLOOR PLAN - SECOND LEVEL: 149	149
THIRD LEVEL PARKING	
COMPACT (8'-6" X 16'-0")	12
STANDARD (9'-0" X 18'-0")	136
THIRD LEVEL PARKING: 148	148
FLOOR PLAN - FOURTH LEVEL	
COMPACT (8'-6" X 16'-0")	12
STANDARD (9'-0" X 18'-0")	136
FLOOR PLAN - FOURTH LEVEL: 148	148
FLOOR PLAN - FIFTH LEVEL	
COMPACT (8'-6" X 16'-0")	9
STANDARD (9'-0" X 18'-0")	137
FLOOR PLAN - FIFTH LEVEL: 146	146
Total: 675	675

FLOOR AND FINISH PLAN KEYED NOTES

- FL01 WALL FINISHES VARY. SEE ELEVATIONS.
- FL02 PROVIDE STAINLESS STEEL TOILET ROOM ACCESSORIES TO INCLUDE: GRAB BARS, TOILET PAPER HOLDER, PAPER TOWEL DISPENSER, SOAP DISPENSER, SANITARY NAPKIN RECEPTACLE, ACC MIRROR, AND STAINLESS STEEL SHELF.
- FL03 PROVIDE (2) COAT HOOKS ON BACKSIDE OF DOOR.
- FL04 FLOORING IN ELEVATOR CAB TO BE RF1. SEE SPEC FOR ADDITIONAL FINISH INFORMATION.
- FL06 SEE ENLARGED STAIR PLANS FOR FINISH INFORMATION.
- FL06 STAIR TREADS, RISERS AND LANDINGS TO BE EXPOSED CONCRETE. HANDRAILS TO BE STAINLESS STEEL CABLE RAIL.
- FL07 NOT USED.
- FL08 PAINT HM DOORS AND HM FRAMES PNT3 BOTH SIDES.
- FL09 PAINT HM DOOR AND HM FRAME PNT6 BOTH SIDES.
- FL10 PROVIDE PVC1 FORM TOP OF BASE UP TO 4'-4" A.F.F.. EXTENTS NOTED ON PLAN. BUTT JOINT AT SEEMS AND PROVIDE INPRO PWC TOP TRIM AT TOP OF PANELS.
  NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN
- FL11 6" DIA / 48" TALL BOLLARD
- FL12 EXPANSION JOINT & COVER
- FL13 RAIN WATER LEADER AND OVERFLOW FROM THE COMMERCIAL ROOFING OFFSETS TO THIS LOCATION IN THE CEILING SPACE OF LEVEL 3
- FL14 NOT USED
- FL15 RAIN WATER OVERFLOW FROM THE STAIR AND ELEVATOR TOWER DAYLIGHTS THROUGH A DOWNSPOUT NOZZLE (LAMB'S TOUNGE)
- FL16 EXTERIOR ACCESS DOOR
- FL17 PAY-ON-FOOT MACHINE - OFOI
- FL18 BIKE RACK
- FL19 REMOVABLE GRATE, SEE CIVIL
- FL20 AUTO GATE (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL21 REVENUE CONTROL SYSTEM (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL22 DOOR ACCESS CONTROL CARD READER
- FL23 SNOW CHUTE 3'-0"x3'-0"ACCESS PANEL
- FL24 RECESSED HOSE BIBB CABINET
- FL25 INSULATE EXTERIOR OF FOUNDATION WALL FROM FOOTING TO GRADE - PERIMETER OF STORMWATER TANK
- FL26 PROVIDE 3" UNDER SLAB INSULATION AROUND THE PERIMETER OF SEMI-HEATED SPACE
- FL27 PROVIDE 3" SPRAY-ON INSULATION TO COVER ENTIRETY OF CEILING AND PROTRUDING STRUCTURE MEMBERS
- FL28 NOT USED.
- FL29 EXPOSED BASE AT ALL MASONRY WALLS AND ALUMN CURTAIN WALL. STAINLESS STEEL BASE AS INDICATED ON PLAN. PROVIDE SURFACE MOUNTED CABINET (FEC2) AND FIRE EXTINGUISHER
- FL30 PROVIDE BRACKET (FEC1) AND FIRE EXTINGUISHER
- FL31 ART INSTALLATION - OWNER FURNISHED OWNER INSTALLED - GC TO ENSURE CONTINUOUS AND WATERTIGHT WEATHER BARRIER AT INTERFACE WITH OTHER BUILDING ELEMENTS
- FL33 AUTOMATIC DOOR OPERATOR ACTUATOR - BOLLARD MOUNT
- FL34 AUTOMATIC DOOR OPERATOR ACTUATOR - JAMB MOUNT
- FL35 ENTRANCE CLEARANCE BAR (SEE REVENUE CONTROL SUPPLIER DRAWINGS), SEE 1D/A-600
- FL36 SNOW CHUTE ABOVE



KEYPLAN

6A A-104 KEYPLAN - FOURTH LEVEL
1/64" = 1'-0"

GRAEF
5126 West Terrace Drive,
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CONSULTANTS:
BWBR

PROJECT TITLE:
Capitol East Parking Garage

211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:
CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2986

ISSUE:

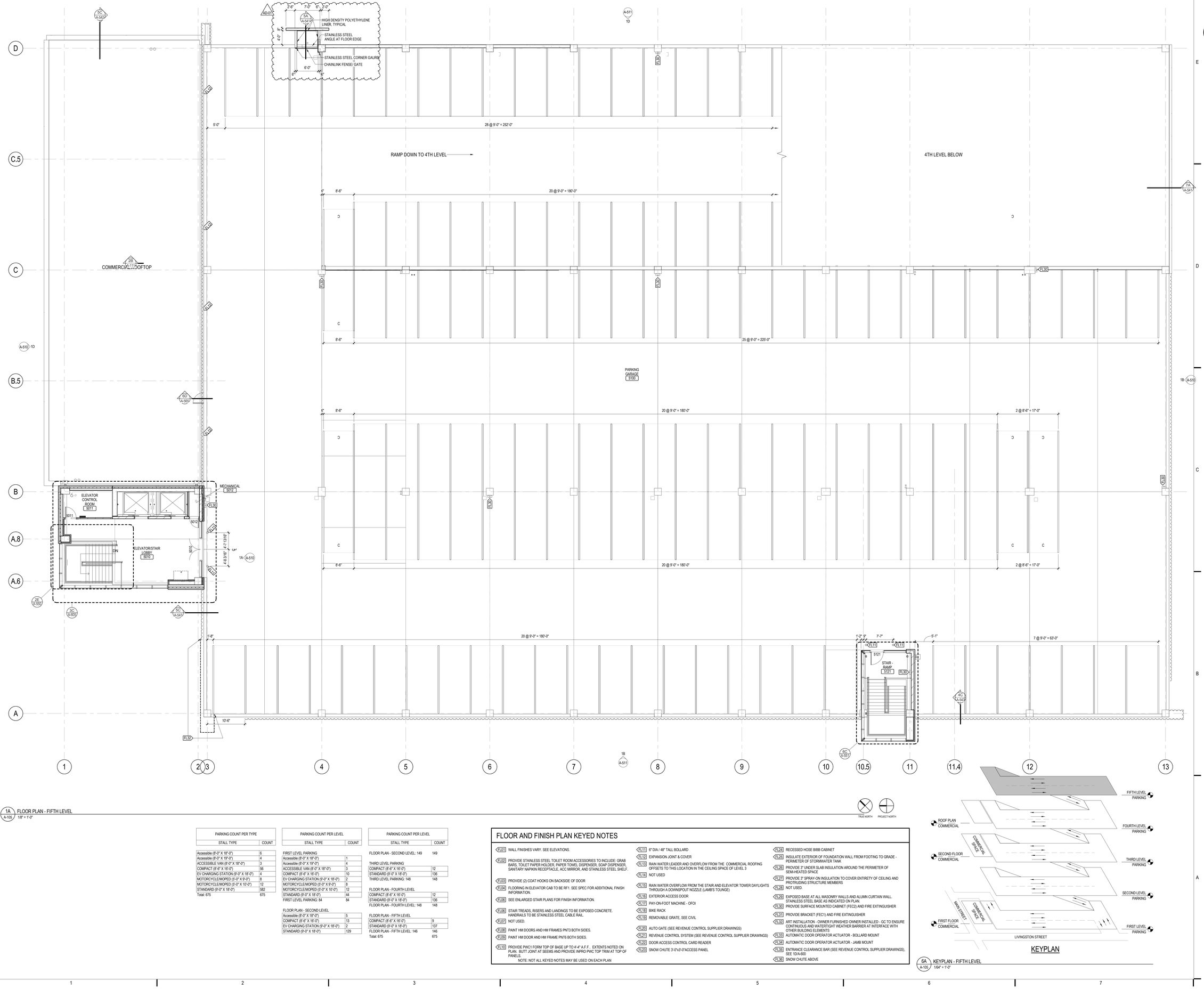
NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM#1

PROJECT INFORMATION:

PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	JM
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
FOURTH LEVEL PARKING - COMMERCIAL ROOF PLAN

SHEET NUMBER:
A-104



1A A-105 FLOOR PLAN - FIFTH LEVEL
1/8" = 1'-0"

PARKING COUNT PER TYPE	
STALL TYPE	COUNT
Accessible (8'-0" X 18'-0")	6
Accessible (8'-0" X 18'-0")	4
ACCESSIBLE VAN (8'-0" X 18'-0")	3
COMPACT (8'-6" X 16'-0")	56
EV CHARGING STATION (9'-0" X 18'-0")	4
MOTORCYCLE/MOPED (5'-0" X 9'-0")	8
MOTORCYCLE/MOPED (5'-0" X 10'-0")	12
STANDARD (9'-0" X 18'-0")	582
Total: 675	675

PARKING COUNT PER LEVEL	
STALL TYPE	COUNT
FIRST LEVEL PARKING	
Accessible (8'-0" X 18'-0")	1
Accessible (8'-0" X 18'-0")	4
ACCESSIBLE VAN (8'-0" X 18'-0")	3
COMPACT (8'-6" X 16'-0")	10
EV CHARGING STATION (9'-0" X 18'-0")	2
MOTORCYCLE/MOPED (5'-0" X 9'-0")	8
MOTORCYCLE/MOPED (5'-0" X 10'-0")	12
STANDARD (9'-0" X 18'-0")	44
FIRST LEVEL PARKING: 84	84
FLOOR PLAN - SECOND LEVEL	
Accessible (8'-0" X 18'-0")	5
COMPACT (8'-6" X 16'-0")	13
EV CHARGING STATION (9'-0" X 18'-0")	2
STANDARD (9'-0" X 18'-0")	129

PARKING COUNT PER LEVEL	
STALL TYPE	COUNT
FLOOR PLAN - SECOND LEVEL: 149	149
THIRD LEVEL PARKING	
COMPACT (8'-6" X 16'-0")	12
STANDARD (9'-0" X 18'-0")	136
THIRD LEVEL PARKING: 148	148
FLOOR PLAN - FOURTH LEVEL	
COMPACT (8'-6" X 16'-0")	12
STANDARD (9'-0" X 18'-0")	136
FLOOR PLAN - FOURTH LEVEL: 148	148
FLOOR PLAN - FIFTH LEVEL	
COMPACT (8'-6" X 16'-0")	9
STANDARD (9'-0" X 18'-0")	137
FLOOR PLAN - FIFTH LEVEL: 146	146
Total: 675	675

FLOOR AND FINISH PLAN KEYED NOTES

- FL01 WALL FINISHES VARY. SEE ELEVATIONS.
- FL02 PROVIDE STAINLESS STEEL TOILET ROOM ACCESSORIES TO INCLUDE: GRAB BARS, TOILET PAPER HOLDER, PAPER TOWEL DISPENSER, SOAP DISPENSER, SANITARY NAPKIN RECEPTACLE, ACC MIRROR, AND STAINLESS STEEL SHELF.
- FL03 PROVIDE (2) COAT HOOKS ON BACKSIDE OF DOOR
- FL04 FLOORING IN ELEVATOR CAB TO BE RF1. SEE SPEC FOR ADDITIONAL FINISH INFORMATION.
- FL06 SEE ENLARGED STAIR PLANS FOR FINISH INFORMATION.
- FL08 STAIR TREADS, RISERS AND LANDINGS TO BE EXPOSED CONCRETE. HANDRAILS TO BE STAINLESS STEEL CABLE RAIL.
- FL07 NOT USED.
- FL08 PAINT HM DOORS AND HM FRAMES PNT3 BOTH SIDES.
- FL09 PAINT HM DOOR AND HM FRAME PNT6 BOTH SIDES.
- FL10 PROVIDE PWC1 FORM TOP OF BASE UP TO 4'-4" A.F.F.. EXTENTS NOTED ON PLAN. BUTT JOINT AT SEEMS AND PROVIDE INPRO PVC TOP TRIM AT TOP OF PANELS.
  NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN
- FL11 6" DIA / 48" TALL BOLLARD
- FL12 EXPANSION JOINT & COVER
- FL13 RAIN WATER LEADER AND OVERFLOW FROM THE COMMERCIAL ROOFING OFFSETS TO THIS LOCATION IN THE CEILING SPACE OF LEVEL 3
- FL14 NOT USED
- FL15 RAIN WATER OVERFLOW FROM THE STAIR AND ELEVATOR TOWER DAYLIGHTS THROUGH A DOWNSPOUT NOZZLE (LAMB'S TOUNGE)
- FL16 EXTERIOR ACCESS DOOR
- FL17 PAY-ON-FOOT MACHINE - OFOI
- FL18 BIKE RACK
- FL19 REMOVABLE GRATE, SEE CIVIL
- FL20 AUTO GATE (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL21 REVENUE CONTROL SYSTEM (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL22 DOOR ACCESS CONTROL CARD READER
- FL23 SNOW CHUTE 3'-0"x3'-0"ACCESS PANEL
- FL24 RECESSED HOSE BIBB CABINET
- FL25 INSULATE EXTERIOR OF FOUNDATION WALL FROM FOOTING TO GRADE - PERIMETER OF STORMWATER TANK
- FL26 PROVIDE 3" UNDER SLAB INSULATION AROUND THE PERIMETER OF SEMI-HEATED SPACE
- FL27 PROVIDE 3" SPRAY-ON INSULATION TO COVER ENTIRETY OF CEILING AND PROTRUDING STRUCTURE MEMBERS
- FL28 NOT USED.
- FL29 EXPOSED BASE AT ALL MASONRY WALLS AND ALUMN CURTAIN WALL. STAINLESS STEEL BASE AS INDICATED ON PLAN.
- FL30 PROVIDE SURFACE MOUNTED CABINET (FEC2) AND FIRE EXTINGUISHER
- FL31 PROVIDE BRACKET (FEC1) AND FIRE EXTINGUISHER
- FL32 ART INSTALLATION - OWNER FURNISHED OWNER INSTALLED - GC TO ENSURE CONTINUOUS AND WATERTIGHT WEATHER BARRIER AT INTERFACE WITH OTHER BUILDING ELEMENTS
- FL33 AUTOMATIC DOOR OPERATOR ACTUATOR - BOLLARD MOUNT
- FL34 AUTOMATIC DOOR OPERATOR ACTUATOR - JAMB MOUNT
- FL35 ENTRANCE CLEARANCE BAR (SEE REVENUE CONTROL SUPPLIER DRAWINGS), SEE 10/A-600
- FL36 SNOW CHUTE ABOVE

KEYPLAN

6A A-105 KEYPLAN - FIFTH LEVEL
1/64" = 1'-0"

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CONSULTANTS:
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PROJECT TITLE:
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211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:
CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2985

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM#1

PROJECT INFORMATION:

PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	JM
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
FIFTH LEVEL PARKING PLAN

SHEET NUMBER:
A-105

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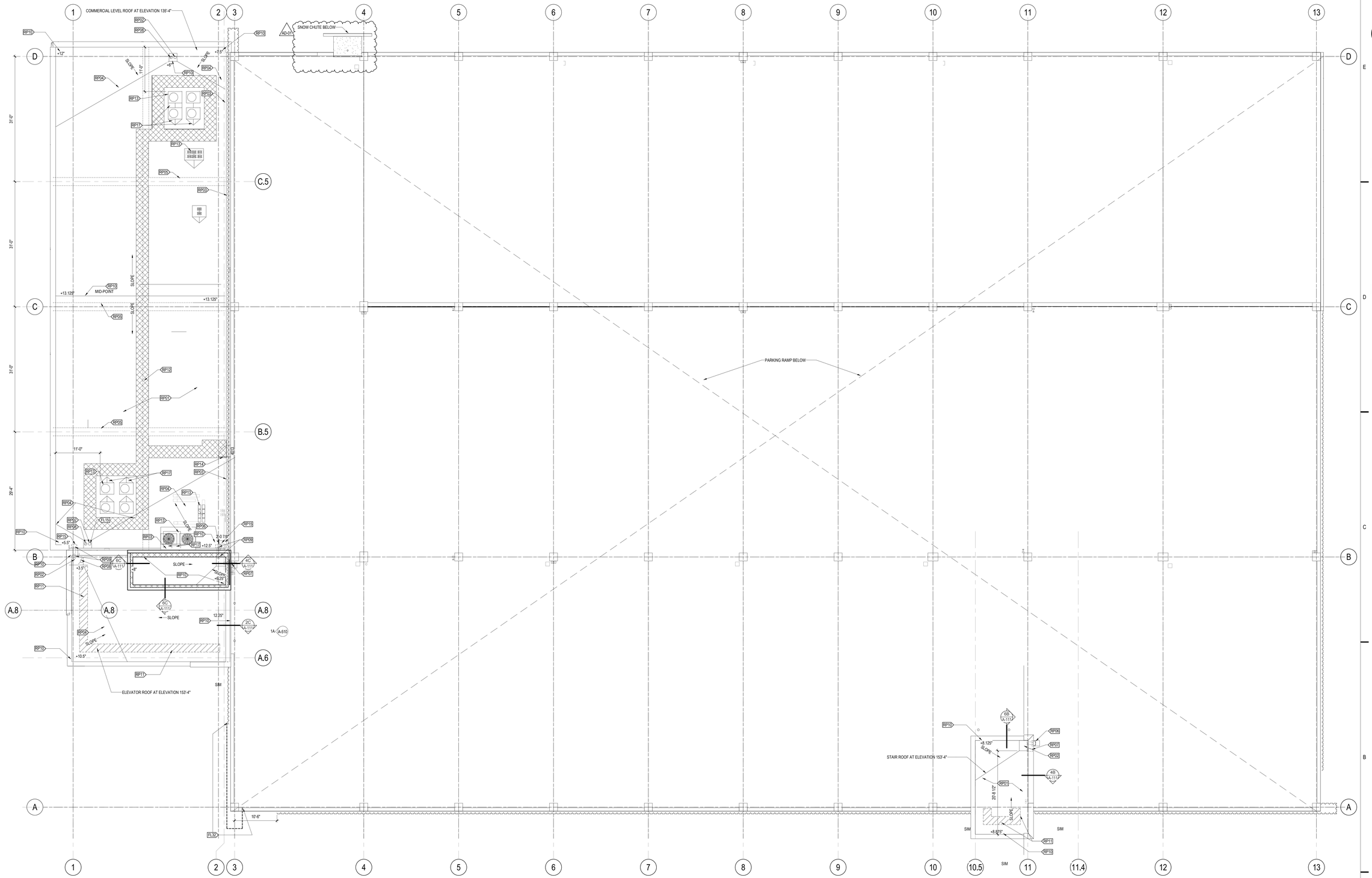

1A A-110 ROOF PLAN
1/8" = 1'-0"

TRUE NORTH PROJECT NORTH

ROOF PLAN KEYED NOTES

- RP01 FULLY ADHERED EPDM WITH R-30 MINIMUM INSULATION, 3.5" MINIMUM INSULATION BASE LAYER OVER FLAT STRUCTURE AT 1/4" PER FOOT
- RP02 SUMP AND INTERNAL DRAIN AT LOW POINT - 3.5" MIN. INSULATION AT THIS LOW POINT - TYP.
- RP03 BLOCK PARAPET WALL AND FLASHING AT NON EXTERIOR PERIMETER SEE DETAILS
- RP04 ALL ROOF CRICKETS ARE 1/2" PER FOOT SLOPE
- RP05 STRUCTURAL BEAM BELOW SHOWN DASHED
- RP06 EXTERIOR DOWNSPOUT
- RP07 OVER FLOW SCUPPER 4" HIGHER THAN RAIN WATER DRAIN
- RP08 INTERNAL OVER FLOW SCUPPER 4" HIGHER THAN RAIN WATER DRAIN
- RP09 EXTERNAL RAIN WATER LEADER FROM THE STAIR AND ELEVATOR TOWER DAYLIGHTS ONTO COMMERCIAL ROOF
- RP10 APPROXIMATE DEPTH OF INSULATION FROM TOP OF STRUCTURE
- RP11 WINDOW WASHING ANCHORS AND SAFETY TIES PROVIDED BY GC. COORDINATE COMPATIBLE EQUIPMENT AND LOCATIONS WITH OWNERS VENDOR.
- RP12 ROOF PROTECTION WALK PADS AT HATCHED AREAS. COORDINATE LAYOUT WITH AS BUILT MECHANICAL LAYOUT.
- RP13 SEE MECHANICAL DRAWINGS
- RP14 HM ACCESS DOOR
- RP15 SPLASH BLOCK AT RAIN WATER LEADER
- RP16 NOT USED
- RP17 1/2" PER 1'-00" CRICKETING ON UPHILL SIDE OF ALL ROOFTOP EQUIPMENT AND CURBS - TYPICAL

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

ROOF PLAN SYMBOLS LEGEND

Revised 08.23.2016

RF01	KEYNOTE	ROOF PAVERS
RD | ○ | OF RD	RD: ROOF DRAIN OFRD: OVERFLOW ROOF DRAIN (SET 2" MIN ABOVE RD)	
+4	INSULATION THICKNESS	
→	DIRECTION OF TAPERED SLOPE, 1/4" PER FOOT UNO	
→	DIRECTION OF STRUCTURAL SLOPE, 1/4" MINIMUM PER FOOT. 5" INSULATION THICKNESS.	

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

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PROJECT INFORMATION:

PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	JWN
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
ROOF PLAN

SHEET NUMBER:
A-110

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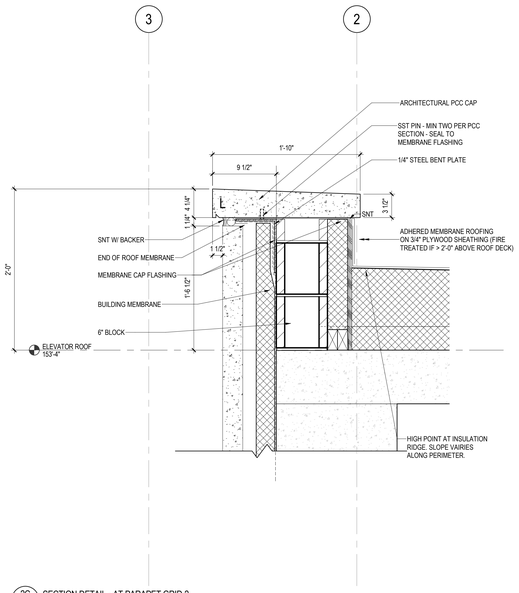
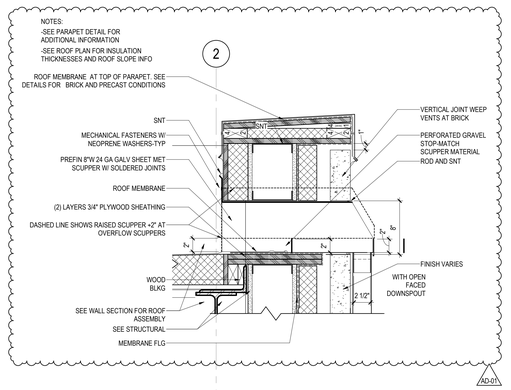
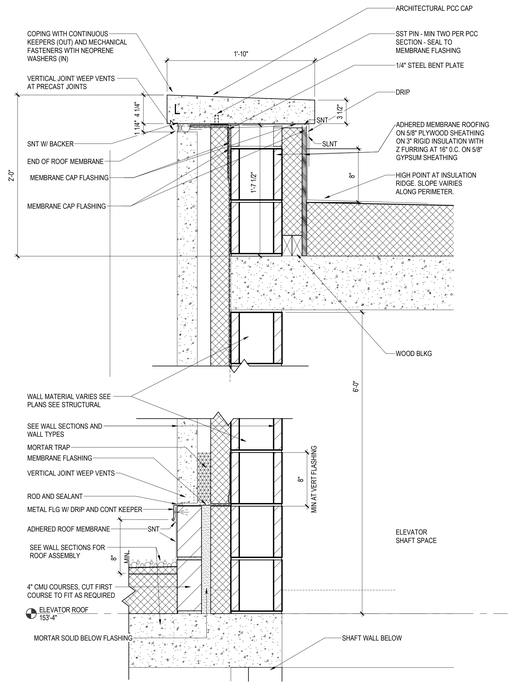


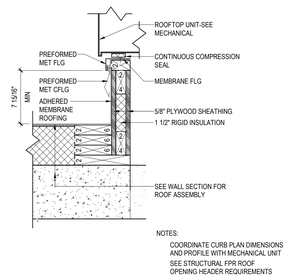
2C A-111 SECTION DETAIL - AT PARAPET GRID 2
1 1/2" = 1'-0"



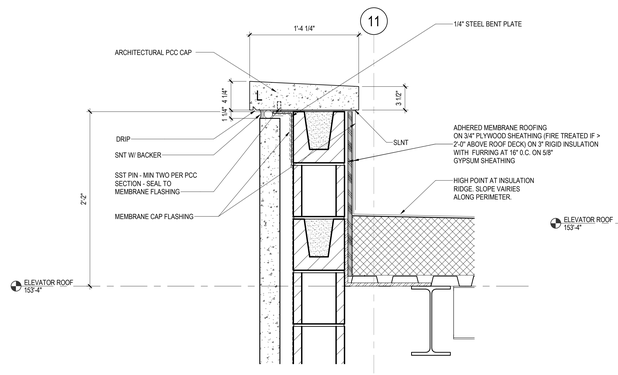
4C A-111 SECTION DETAIL - AT HIGH PARAPET AND SCUPPER - GRID 2
1 1/2" = 1'-0"



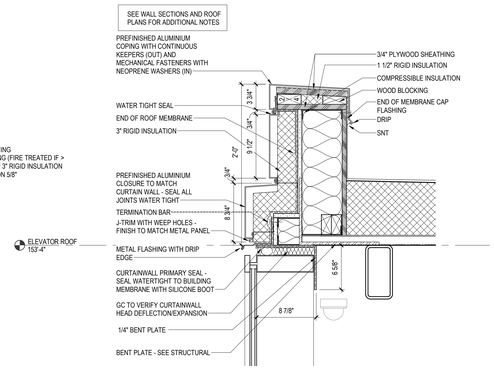
6C A-111 SECTION DETAIL - AT HIGH PARAPET ELEVATOR OVERRUN
1 1/2" = 1'-0"



2B A-111 SECTION DETAIL - AT MECHANICAL CURB
1 1/2" = 1'-0"



4B A-111 SECTION DETAIL - AT PARAPET GRID 11
1 1/2" = 1'-0"



6B A-111 SECTION DETAIL - AT PARAPET AT STAIR RAMP
1 1/2" = 1'-0"

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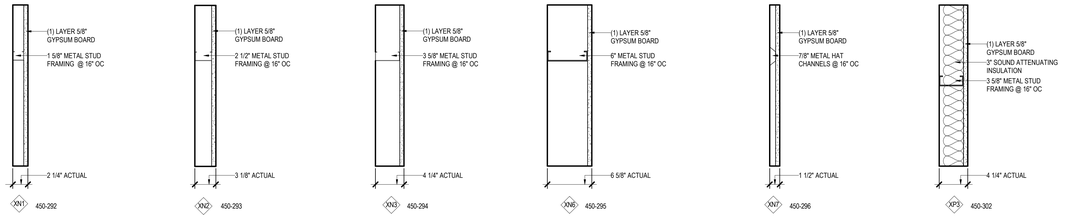
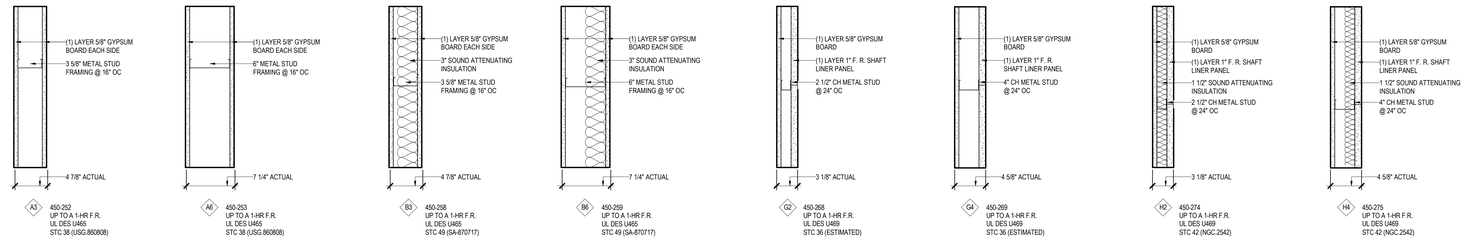
PROJECT INFORMATION:

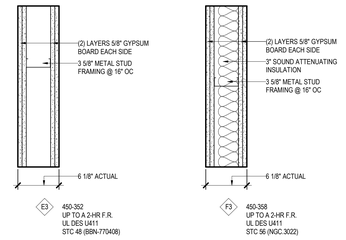
PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	JWN
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

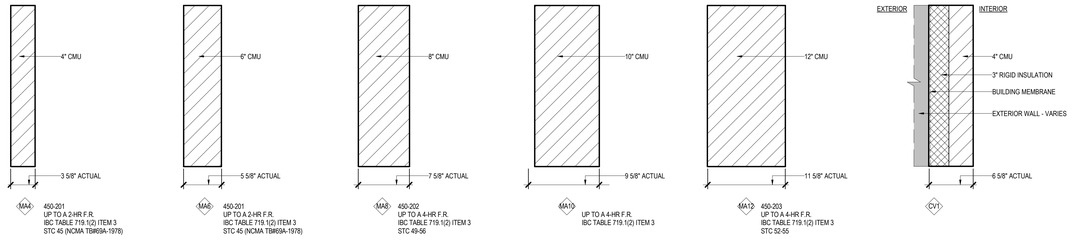
SHEET TITLE:
ROOF DETAILS

SHEET NUMBER:
A-111

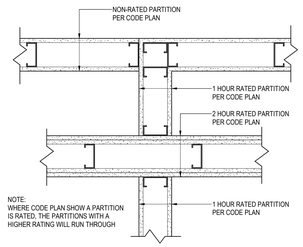








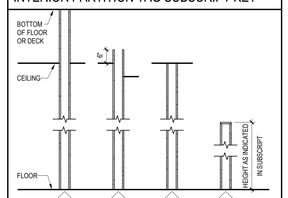
PARTITION TYPES
1 1/2" = 1'-0"



PLAN DETAIL GUIDELINE - RATED WALL INTERSECTIONS

1 / A-450 PLAN DETAIL GUIDELINE - RATED WALL INTERSECTIONS
1 1/2" = 1'-0"

INTERIOR PARTITION TAG SUBSCRIPT KEY



NOTES:
1. REFER TO PARTITION TYPE GENERAL NOTES FOR PARTITIONS WITH UNEQUAL LAYERS OF GYPSUM BOARD ON EITHER SIDE
2. SUBSCRIPTS MAY BE USED WITH ANY PARTITION TYPE

ACOUSTIC PARTITION GENERAL NOTES

Revised 08-23-2016

1. USE ACOUSTICAL SEALANT AT ALL GPBD PARTITION PENETRATIONS AND JOINTS SUCH AS THE STRUCTURE ABOVE, FLOOR SURFACES AND PARTITIONS CONSTRUCTED OF ANOTHER MATERIAL, UNLESS NOTED OTHERWISE.
2. ALLOW MINIMUM 1/8" SPACE BETWEEN ELECTRICAL BOX AND GPBD, FILL GAP WITH ACOUSTICAL SEALANT.
3. BEFORE INSTALLING GPBD PANELS OR SOUND ATTENUATION INSULATION, APPLY MINIMUM 1/16" THICKNESS OF ACOUSTICAL SEALANT OVER KNOCKOUTS OR OTHER SMALL HOLES IN THE ELECTRICAL BOXES TO INSURE THAT THEY ARE AIR TIGHT. IF A KNOCKOUT IS MISSING, WRAP WITH TAPE AND COVER WITH ACOUSTICAL SEALANT TO AT LEAST 1/8" THICK. INSPECT BACK SEALING OF BOXES BEFORE THE SOUND ATTENUATION INSULATION AND GPBD PANELS ARE INSTALLED.
4. RESILIENT CHANNELS ARE TO BE INSTALLED HORIZONTALLY WITH MOUNTING FLANGE DOWN. AN EXCEPTION IS MADE FOR THE RESILIENT CHANNEL NEAREST THE FLOOR, IT MAY BE INSTALLED WITH THE MOUNTING FLANGE UP.
5. WHEN SOUND ATTENUATION INSULATION (SA INS) IS USED, IT MUST NOT CONTACT THE GPBD MOUNTED ON THE RESILIENT CHANNEL SIDE OF PARTITION AS THE LISTED SOUND ATTENUATION VALUE WILL BE COMPROMISED.
6. LOCATE OUTLETS IN ALTERNATE STUD CAVITIES AND USE SEPARATE CONDUIT FOR OUTLETS ON OPPOSITE SIDE OF THE SAME PARTITION.
7. ELECTRICAL BOXES CAN BE RIGIDLY MOUNTED TO STUDS WITH STANDARD MOUNTING BRACKETS. DO NOT ALLOW BOX, MOUNTING BRACKETS OR CONDUIT TO TOUCH THE RESILIENT CHANNELS. ELECTRICAL BOXES ARE NOT PERMITTED IN WALLS EXCEEDING A TWO HOUR FIRE RATING UNLESS WALLS ARE SO TESTED.

PARTITION GENERAL NOTES

Revised 08-23-2016

1. SEE CODE PLANS FOR REQUIRED PARTITION FIRE RATINGS.
2. GYPSUM BOARD AND METAL STUDS USED IN FIRE RATED SEPARATION PARTITIONS SHALL EXTEND FROM FLOOR TO UNDERSIDE OF STRUCTURE, UNLESS NOTED OTHERWISE.
3. WHERE SMOKE PARTITIONS ARE REQUIRED BY CODE PLANS, THE FOLLOWING APPLIES TO ALL NON-ACOUSTICAL TYPE SMOKE PARTITIONS:
EXTEND GYPSUM BOARD ON CORRIDOR SIDE TO STRUCTURE ABOVE. SEAL TOP AND BOTTOM OF PARTITION AND ALL PENETRATIONS THROUGH PARTITION ON CORRIDOR SIDE WITH A SMOKE SEALANT HAVING A MINIMUM WARM SMOKE TEMPERATURE OF 400 DEGREES FAHRENHEIT. ALL SEALS MUST HAVE PRE-APPROVAL OF CODE OFFICIAL. ROOM SIDE GYPSUM BOARD CAN EXTEND TO 6" ABOVE FINISHED CEILING.
4. WHERE SMOKE PARTITIONS ARE REQUIRED BY CODE PLANS, THE FOLLOWING APPLIES TO ALL ACOUSTICAL TYPE SMOKE PARTITIONS:
EXTEND GYPSUM BOARD ON BOTH SIDES TO STRUCTURE ABOVE. SEAL TOP AND BOTTOM OF PARTITION AND ALL PENETRATIONS THROUGH THE PARTITION ON THE CORRIDOR SIDE WITH A SMOKE SEALANT HAVING A MINIMUM WARM SMOKE TEMPERATURE RATING OF 400 DEGREES FAHRENHEIT. PROVIDE REQUIRED ACOUSTIC SEALANT ON ROOM SIDE AT TOP AND BOTTOM OF PARTITION AND ALL PENETRATIONS THROUGH PARTITION. ALL SEALS MUST HAVE PRE-APPROVAL OF CODE OFFICIAL.
5. CONTRACTORS TO VERIFY CONDITIONS ABOVE CEILING AT EXISTING PARTITIONS IDENTIFIED WITH FIRE/SMOKE PARTITION SYMBOLS. REPAIR CONDITIONS THAT DO NOT MEET REQUIREMENTS OF THE INDICATED FIRE/SMOKE RATING SHOWN, SUCH AS BUT NOT LIMITED TO OPENINGS IN PARTITIONS, GAPS AROUND DUCTWORK, PIPES AND CONDUIT, MISSING SMOKE DAMPERS, ETC
6. DIMENSIONS TO METAL STUD PARTITION ARE MEASURED TO FINISH FACE OF PARTITION UNLESS NOTED OTHERWISE
7. THE DIMENSION SHOWING THE LOCATION OF A DOOR FRAME IN GYPSUM BOARD WALLS IS TO THE INSIDE OF THE DOOR FRAME (DOOR OPENING). PROVIDE 4" TYPICAL DIMENSION IF NO DIMENSION IS SHOWN.
8. SOUND ATTENUATING INSULATION MEANS GLASS FIBER OR MINERAL WOOL BATTS OR BLANKETS BEARING THE UL LABEL FOR FIRE RESISTANCE. VERIFY TYPE AND DENSITY (PCF) WITH FIRE TEST NUMBER SHOWN ON PARTITION TYPE.
9. FOR PARTITION HEIGHTS SEE PARTITION TAG LEGEND AND TAG SUBSCRIPTS ON PLANS.
10. ALL FURRING TO BE PARTITION TYPE XN2, UNLESS NOTED OTHERWISE.
11. FOR PARTITION TYPES WITH GYPSUM BOARD ON ONE SIDE ONLY, INSTALL GYPSUM BOARD ON ROOM SIDE, UNLESS NOTED OR DETAILED OTHERWISE.
12. FOR SHAFTWALL PARTITION TYPES, INSTALL LINER PANEL ON NON-ACCESSIBLE SIDE, UNLESS NOTED OR DETAILED OTHERWISE.
13. NOT USED
14. PROVIDE 1/2" DEFLECTION SPACE AT THE TOP OF STUDS AT ALL PARTITIONS EXTENDING TO STRUCTURE, UNLESS NOTED OTHERWISE. AD-01
15. WHEN GYPSUM BOARD PARTITIONS ARE LOCATED BELOW STRUCTURE THAT HAS A VERTICAL DEFLECTION MOVEMENT MORE THAN 1/2", PROVIDE PARTITION HEADS WITH VERTICAL MOVEMENT CAPABILITY TO MATCH THAT DEGREE OF MOVEMENT. MAINTAIN THE REQUIRED FIRE RATING OF FIRE RATED PARTITIONS FROM FLOOR TO STRUCTURE ABOVE WITH FIRE TESTED HEAD CONSTRUCTION.
16. WHEN PARTITION FRAMING RUNS HIGHER THAN 12'-0" ABOVE FINISH FLOOR, BRACE PARTITION BACK TO STRUCTURE ABOVE WITH METAL STUDS EVERY 4'-0" ON CENTER MINIMUM.
17. BULKHEAD FRAMING SHALL EXTEND TO UNDERSIDE OF STRUCTURE WITH DIAGONAL STUD FRAMING BRACES AT 4'-0" ON CENTER (2 BRACES MINIMUM) WITH GYPSUM BOARD EXTENDING 6" ABOVE CEILING MINIMUM, UNLESS NOTED OTHERWISE.
18. GENERAL CONTRACTOR SHALL PROVIDE AND COORDINATE ALL IN-WALL BLOCKING FOR WALL MOUNTED CASEWORK AND EQUIPMENT SUPPLIED BY THIS CONTRACT, OWNER FURNISHED OR BY VENDORS. CONTRACTORS OPTION TO PROVIDE 3/4" FIRE TREATED PLYWOOD (PRESERVATIVE TREATED ON EXTERIOR WALLS) OR SHEET METAL BLOCKING FOR WALL MOUNTED EQUIPMENT, CASEWORK, DOOR STOPS, ACCESSORIES, ETC, UNLESS NOTED OTHERWISE
19. IN WET AREAS SUCH AS BUT NOT LIMITED TO SHOWER, TUB, GLASS WASHING ROOMS, SOILED UTILITY ROOMS, JANITOR CLOSETS, COMMERCIAL FOOD PROCESSING ROOMS, ETC, USE TILE BACKER BOARD BEHIND THE CERAMIC TILE AND EXTEND TO 2'-0" BEYOND ALL SIDES OF THE PLUMBING FIXTURE. IN DOUBLE LAYER WALLS WHERE THE TILE BACKER BOARD IS INSTALLED OVER A BASE LAYER OF GYPSUM BOARD, APPLY A WATER BARRIER (BUILDING WRAP) NOT A VAPOR RETARDER, OVER THE BASE LAYER OF GYPSUM BOARD. IN HIGH HUMIDITY AREAS SUCH AS SAUNAS, STEAM ROOMS AND SWIMMING POOLS, WHERE WALLS ARE EXPOSED TO CONSTANT MOISTURE, USE TILE BACKER BOARD BEHIND CERAMIC TILE.
20. IN WET AREAS SUCH AS SOILED UTILITY ROOMS, JANITOR CLOSETS, ETC, USE 5/8" WATER RESISTANT GYPSUM BOARD OR 5/8" FR WATER RESISTANT GYPSUM BOARD.
21. FOR ALL REMODELING PROJECTS, ALL PARTITIONS NOTED AT INFILLS WITHIN, OR EXTENSIONS ONTO EXISTING PARTITIONS, ARE NOTED AS SUCH FOR INTENT ONLY. ALL EXPOSED PARTITION FACES ARE TO ALIGN.

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ISSUE:

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PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	LS
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
PARTITION TYPES

SHEET NUMBER:
A-450

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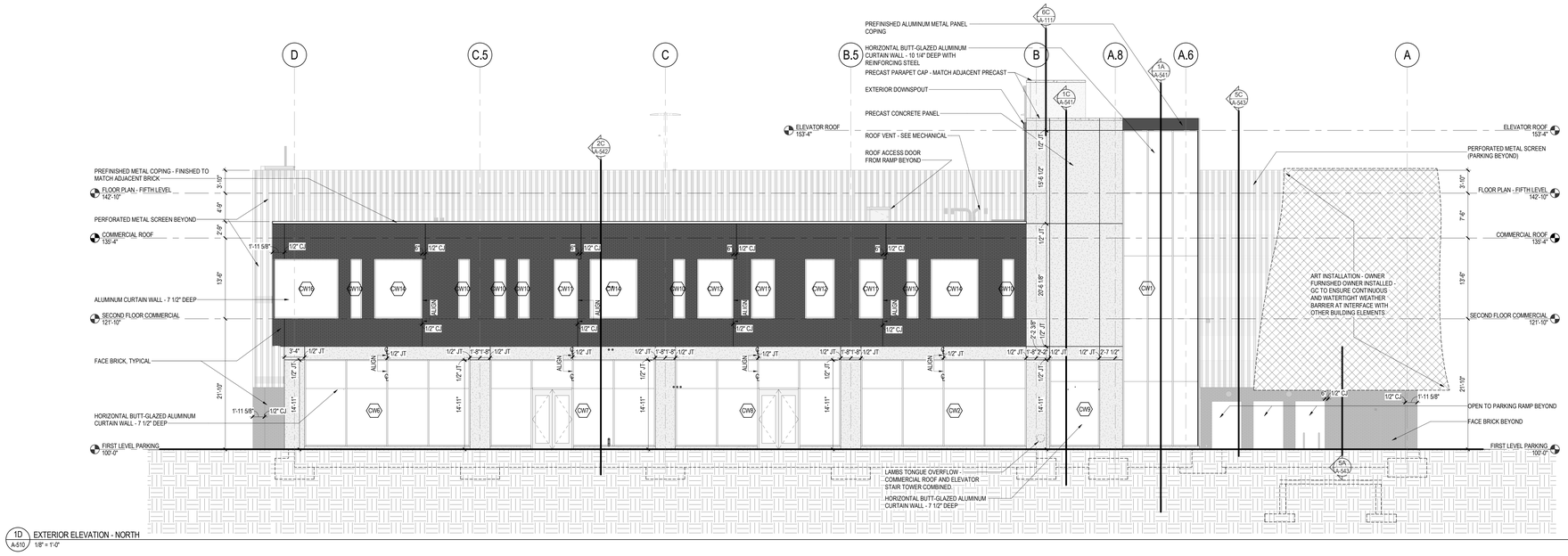
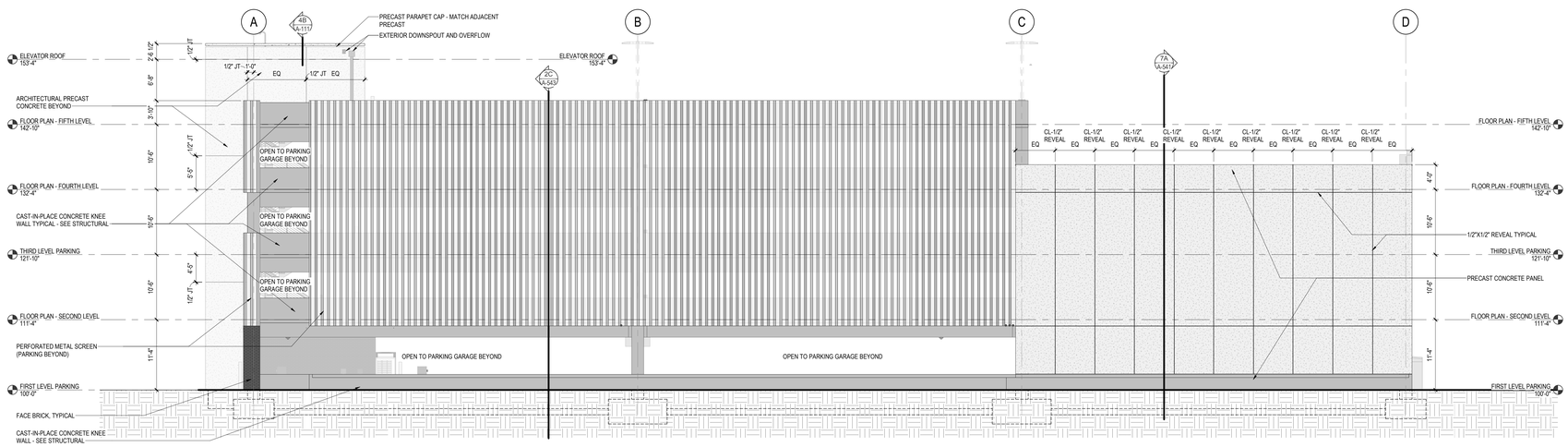


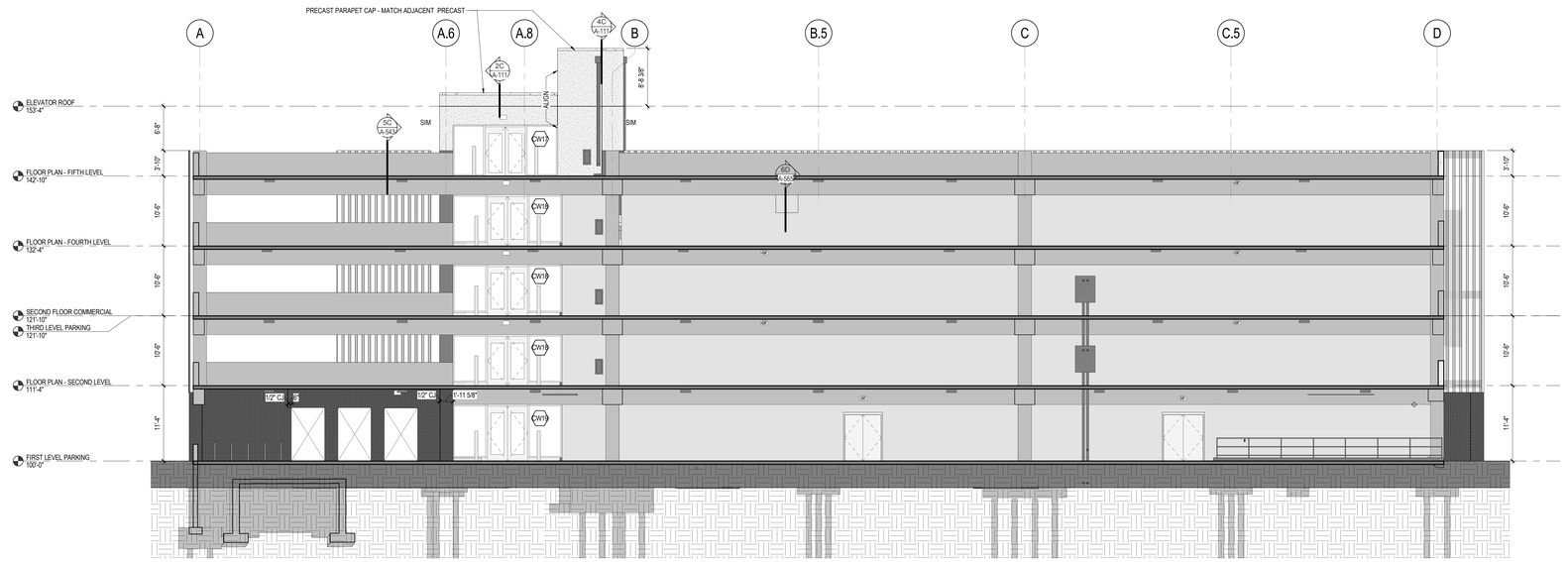
1D A-510 EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"

EXTERIOR ELEVATION MATERIALS LEGEND			
	ALUMINUM METAL PANEL		PRECAST CONCRETE PANEL, ACID ETCH FINISH
	FACE BRICK		

NOTE: SEE SHEET 524 FOR CURTAINWALL TYPES.



1B A-510 EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"



1A A-510 EXTERIOR ELEVATION /SECTION - EAST AT ELEVATOR LOBBY
1/8" = 1'-0"

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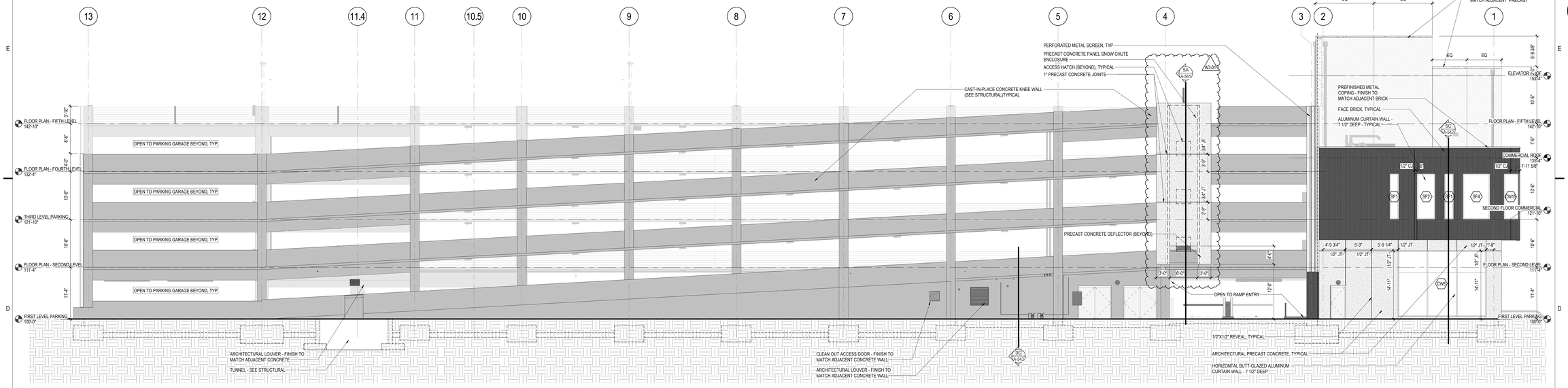
SHEET TITLE:

EXTERIOR ELEVATIONS

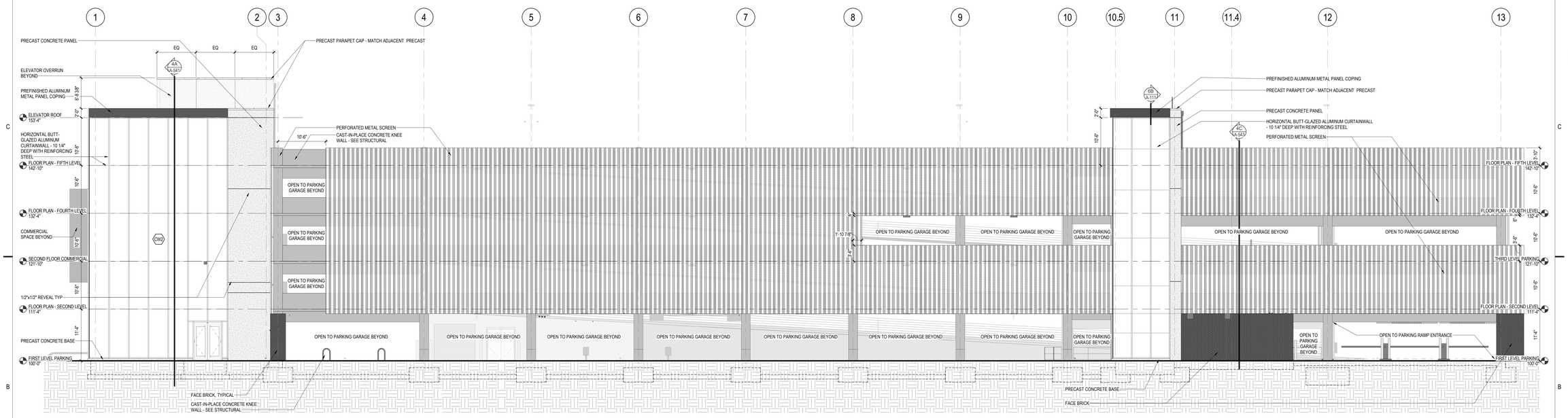
SHEET NUMBER:

AD-01

A-510



1D EXTERIOR ELEVATION - EAST
A-511 1/8" = 1'-0"



1B EXTERIOR ELEVATION - WEST
A-511 1/8" = 1'-0"

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EXTERIOR ELEVATIONS

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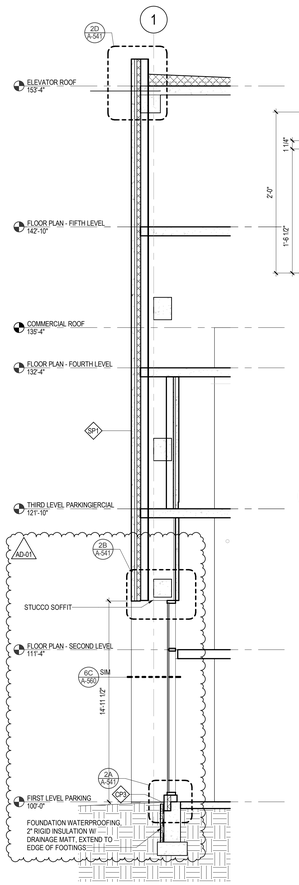
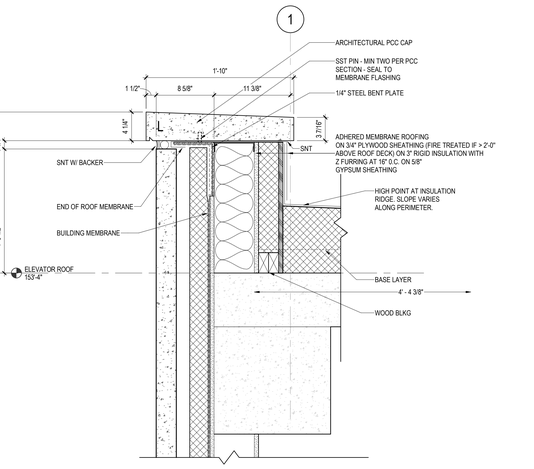
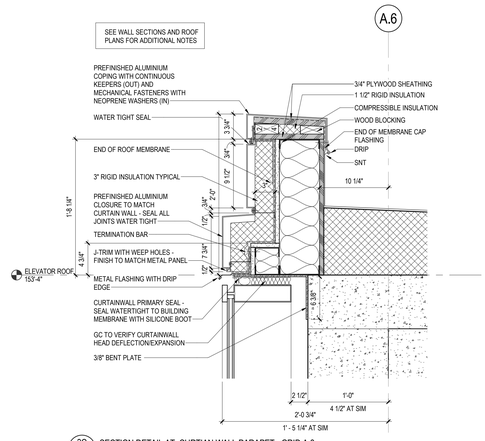


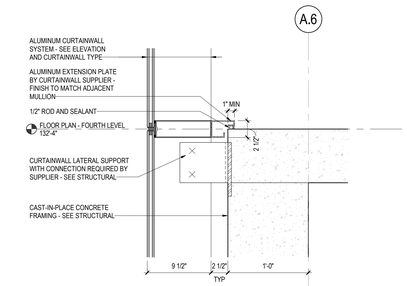
1C A-541 WALL SECTION - ELEVATOR LOBBY NORTH WALL PRECAST
1/4" = 1'-0"



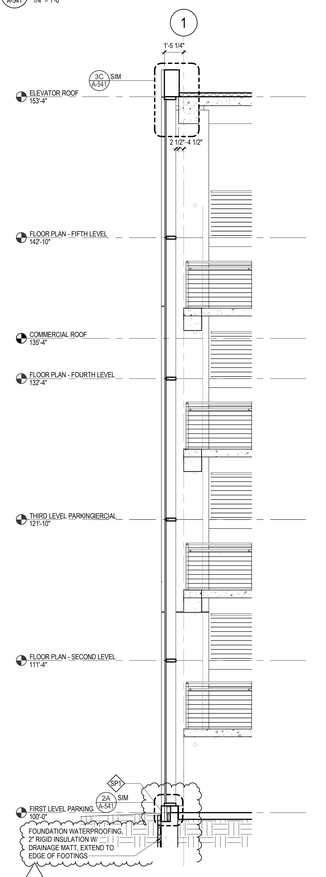
2D A-541 SECTION DETAIL - AT PRECAST PARAPET - GRID 1
1 1/2" = 1'-0"



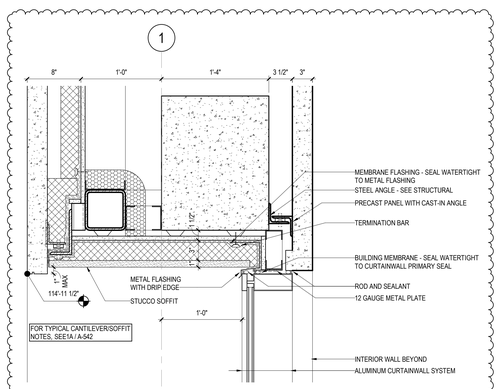
3C A-541 SECTION DETAIL AT CURTIAN WALL PARAPET - GRID A.6
1 1/2" = 1'-0"



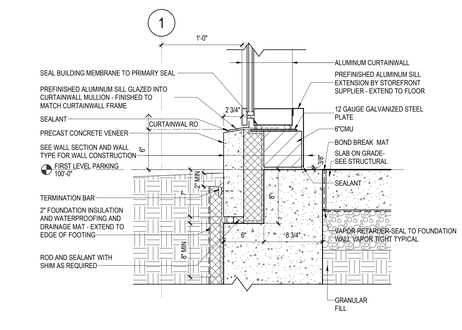
4C A-541 SECTION DETAIL -CURTIAN WALL INTERMEDIATE SUPPORT
1 1/2" = 1'-0"



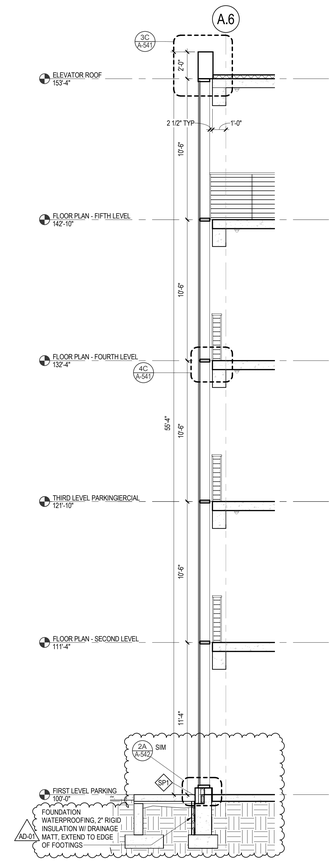
1A A-541 WALL SECTION - ELEVATOR TOWER CURTAIN WALL - NORTH
1/4" = 1'-0"



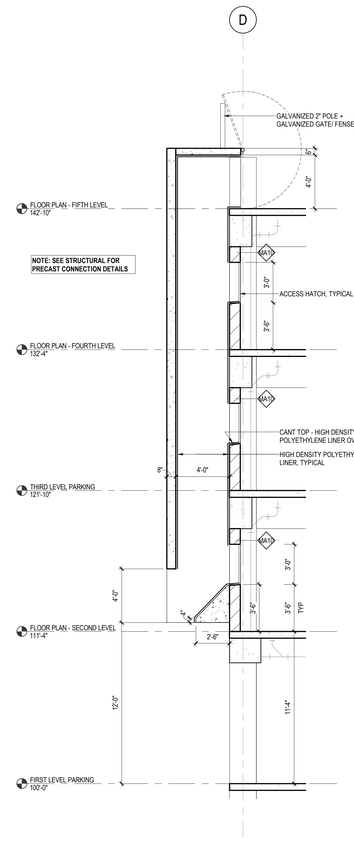
2B A-541 --2b/541 ------SECTION DETAIL - AT WALL TO 2ND FLOOR - GRID 1
1 1/2" = 1'-0"



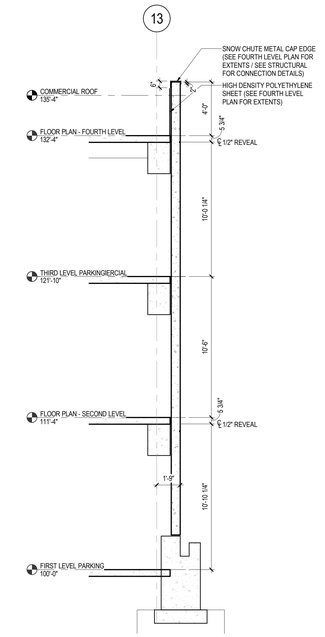
2A A-541 SECTION DETAIL - AT STOREFRONT TO GRADE - GRID 2
1 1/2" = 1'-0"



4A A-541 WALL SECTION - ELEVATOR LOBBY CURTAIN WALL
1/4" = 1'-0"



5A A-541 WALL SECTION - SNOW CHUTE WALL
1/4" = 1'-0"



7A A-541 WALL SECTION - SNOW DUMP WALL
1/4" = 1'-0"

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DRAWN BY:	SD
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
WALL SECTIONS & DETAILS

SHEET NUMBER:
A-541

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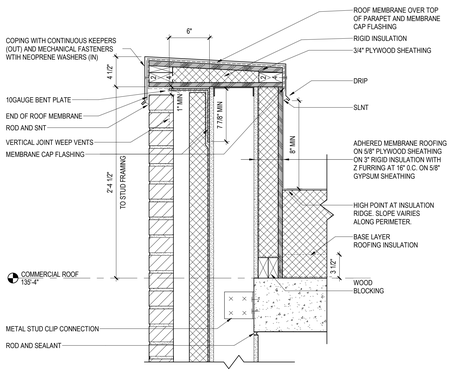
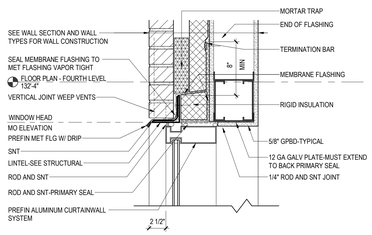
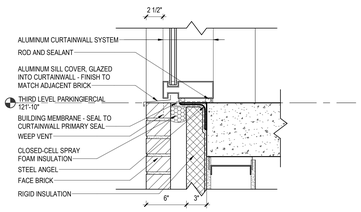


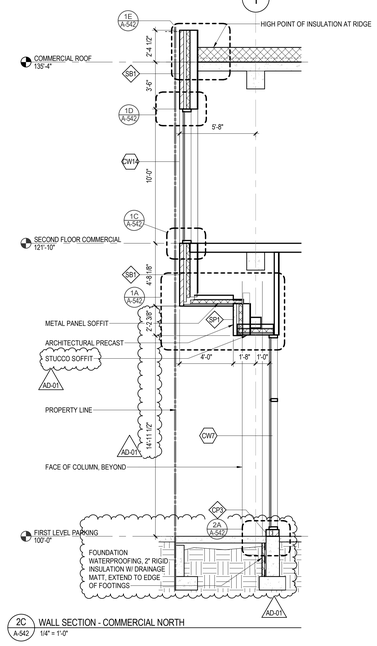
1E A-542 SECTION DETAIL - COMMERCIAL PARAPET TYPICAL
1 1/2" = 1'-0"



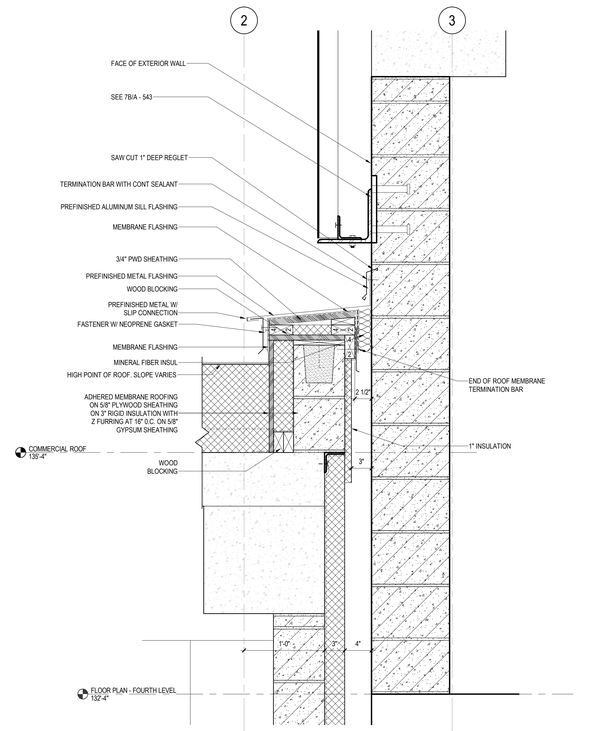
1D A-542 SECTION DETAIL - CURTAINWALL CURTAINWALL HEAD AT BRICK WALL TYPICAL
1 1/2" = 1'-0"



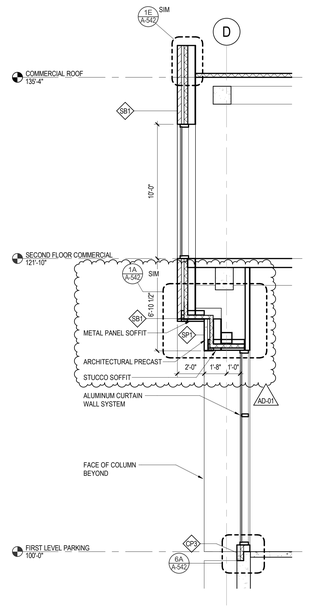
1C A-542 SECTION DETAIL - COMMERCIAL CURTAINWALL SILL AT BRICK WALL
1 1/2" = 1'-0"



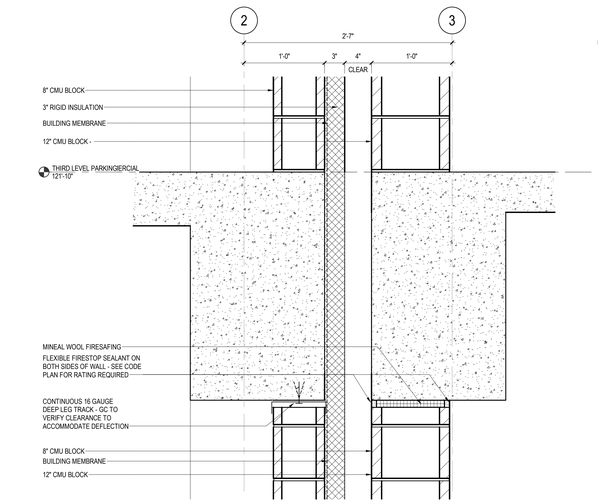
2C A-542 WALL SECTION - COMMERCIAL NORTH
1/4" = 1'-0"



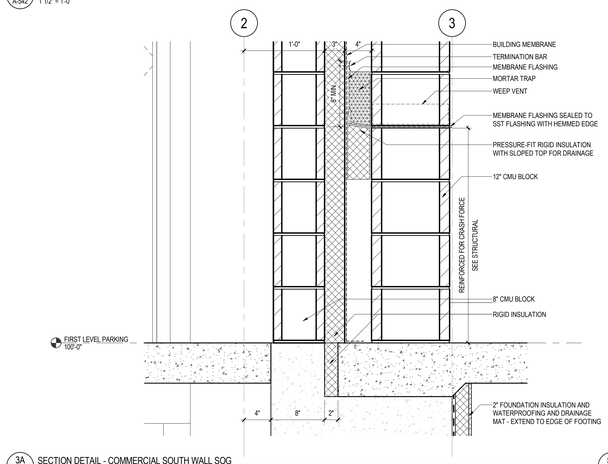
3C A-542 SECTION DETAIL - COMMERCIAL ROOF CURB
1 1/2" = 1'-0"



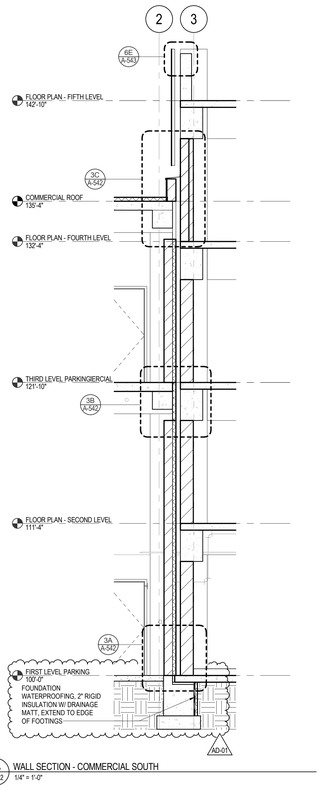
5C A-542 WALL SECTION - COMMERCIAL EAST
1/4" = 1'-0"



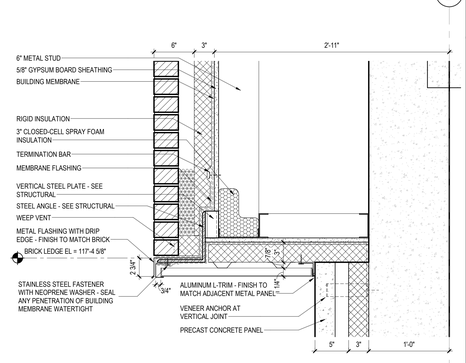
3B A-542 SECTION DETAIL - COMMERCIAL SOUTH SECOND FLOOR SLAB
1 1/2" = 1'-0"



3A A-542 SECTION DETAIL - COMMERCIAL SOUTH WALL SOG
1 1/2" = 1'-0"

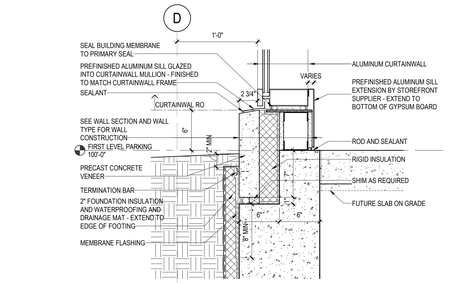


5A A-542 WALL SECTION - COMMERCIAL SOUTH
1/4" = 1'-0"



6B A-542 SECTION DETAIL - COMMERCIAL CANTILEVER SOFFIT EAST
1 1/2" = 1'-0"

2A A-542 SECTION DETAIL - COMMERCIAL CURTAIN WALL SILL AT STOOP
1 1/2" = 1'-0"



6A A-542 SECTION DETAIL - COMMERCIAL CURTAINWALL SILL AT SIDEWALK
1 1/2" = 1'-0"

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CONSULTANTS:

BWBR

PROJECT TITLE:
Capitol East Parking Garage

211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

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CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM#1

PROJECT INFORMATION:

PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	SD
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
WALL SECTIONS & DETAILS

SHEET NUMBER:
A-542

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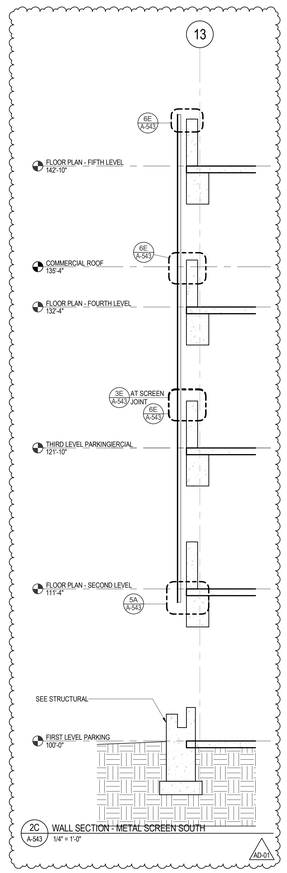
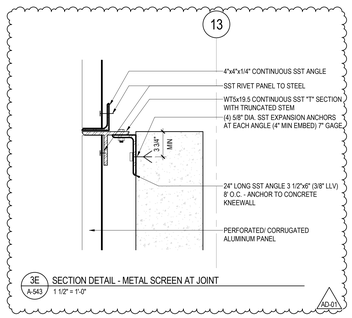
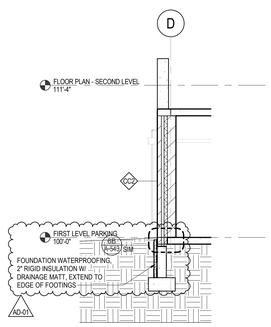


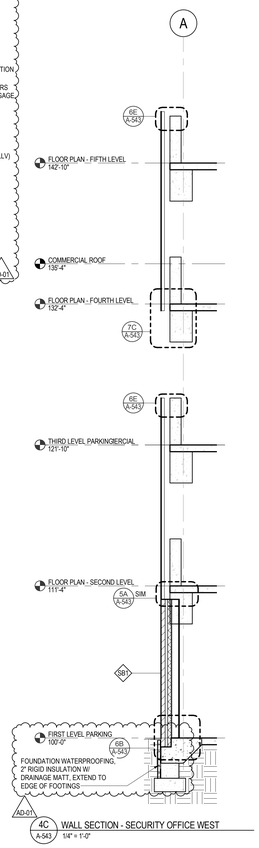
2C A-543 1/4" = 1'-0" WALL SECTION - METAL SCREEN SOUTH AD-01



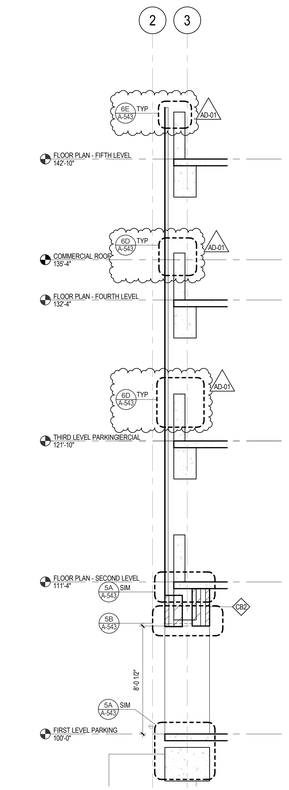
3E A-543 1 1/2" = 1'-0" SECTION DETAIL - METAL SCREEN AT JOINT AD-01



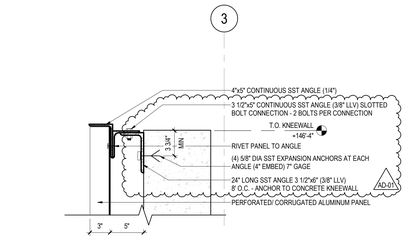
3C A-543 1/4" = 1'-0" WALL SECTION - TRASH ROOM EXTERIOR WALL



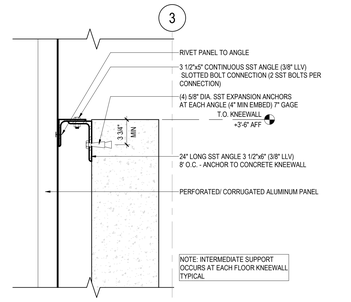
4C A-543 1/4" = 1'-0" WALL SECTION - SECURITY OFFICE WEST



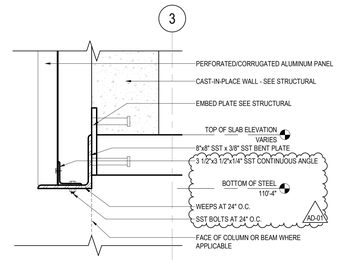
5C A-543 1/4" = 1'-0" WALL SECTION - RAMP SCREEN NORTH



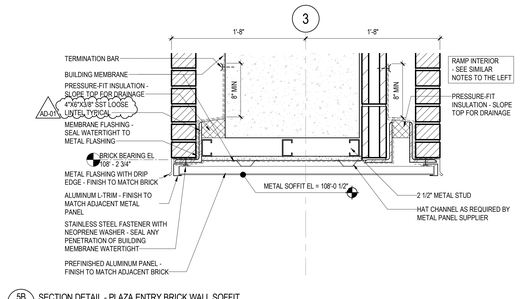
6E A-543 1 1/2" = 1'-0" SECTION DETAIL - METAL SCREEN TOP TYPICAL



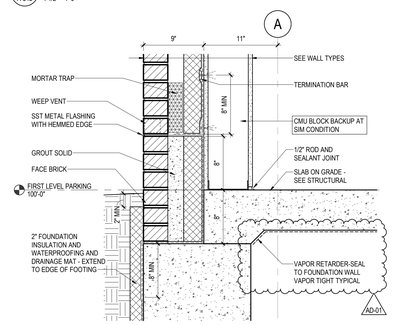
6D A-543 1 1/2" = 1'-0" SECTION DETAIL - METAL SCREEN AT INTERMEDIATE SUPPORT



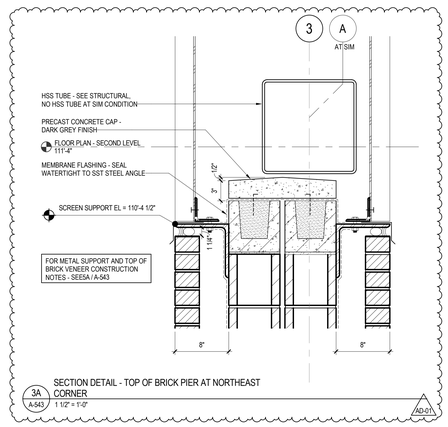
7C A-543 1 1/2" = 1'-0" SECTION DETAIL - METAL SCREEN AT BOTTOM ANGLE



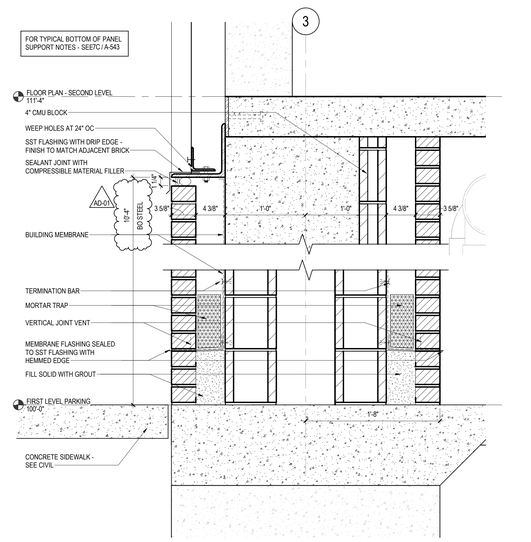
5B A-543 1 1/2" = 1'-0" SECTION DETAIL - PLAZA ENTRY BRICK WALL SOFFIT



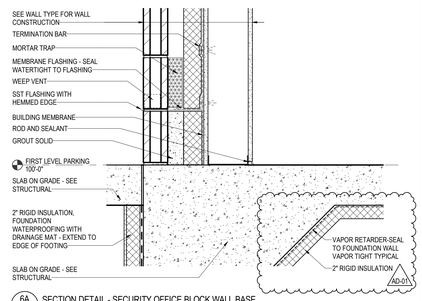
6B A-543 1 1/2" = 1'-0" SECTION DETAIL - BRICK WALL BASE AT SECURITY OFFICE



3A A-543 1 1/2" = 1'-0" SECTION DETAIL - TOP OF BRICK PIER AT NORTHEAST CORNER AD-01



5A A-543 1 1/2" = 1'-0" SECTION DETAIL - BRICK WALL PIER AT METAL SCREEN



6A A-543 1 1/2" = 1'-0" SECTION DETAIL - SECURITY OFFICE BLOCK WALL BASE

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ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM#1

PROJECT INFORMATION:

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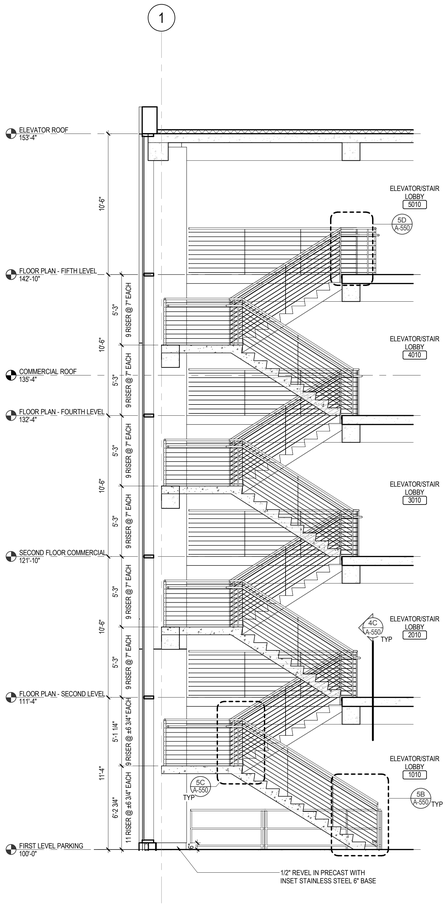
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:

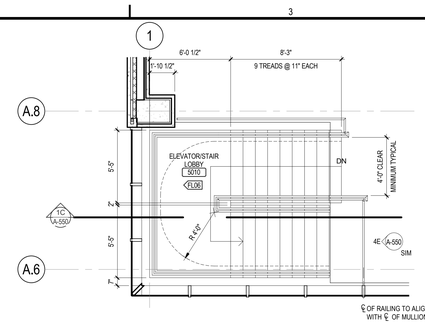
WALL SECTIONS & DETAILS

SHEET NUMBER:

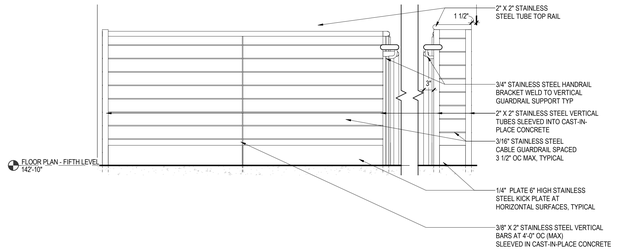
A-543



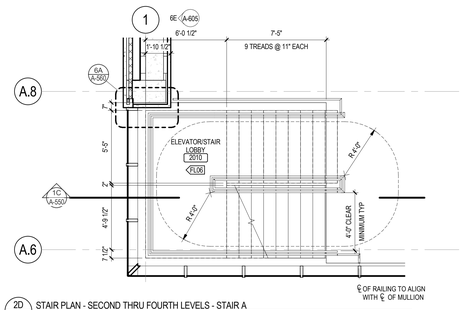
1C A-550 STAIR SECTION - STAIR A
1/4" = 1'-0"



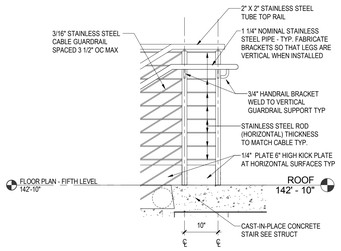
2E A-550 STAIR PLAN - FIFTH LEVEL - STAIR A
1/4" = 1'-0"



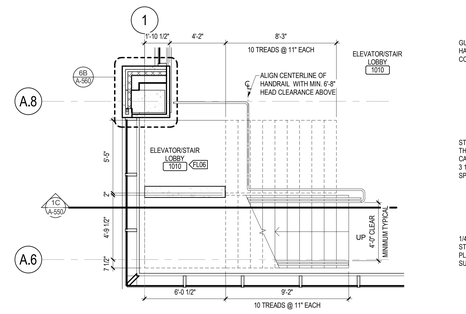
4E A-550 SECTION DETAIL - TOP RAILING
3/4" = 1'-0"



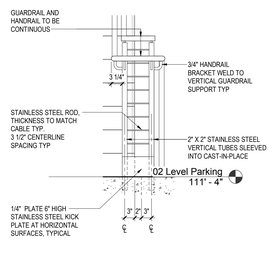
2D A-550 STAIR PLAN - SECOND THRU FOURTH LEVELS - STAIR A
1/4" = 1'-0"



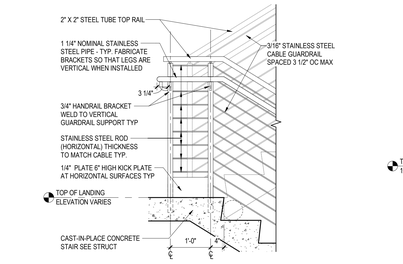
5D A-550 SECTION DETAIL - TYPICAL STAIR AT TOP OF STAIR TERMINATION
3/4" = 1'-0"



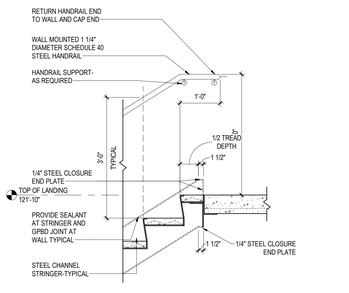
2C A-550 STAIR PLAN - FIRST LEVEL - STAIR A
1/4" = 1'-0"



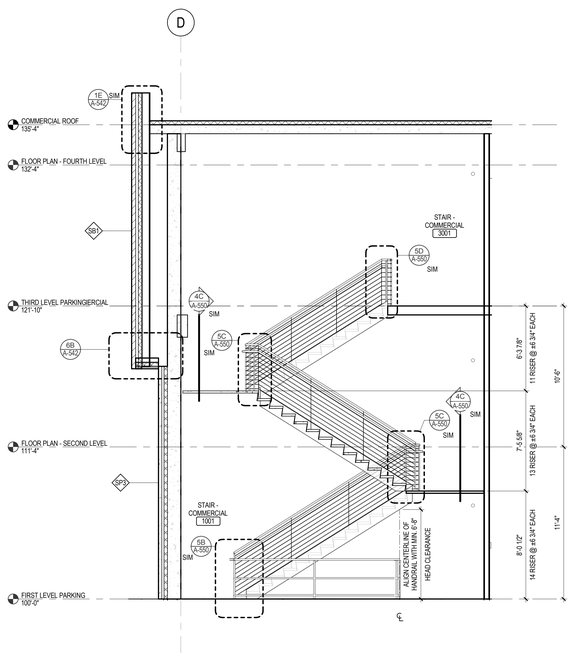
4C A-550 SECTION DETAIL-END OF STAIR AT AN INTERMEDIATE LANDING
3/4" = 1'-0"



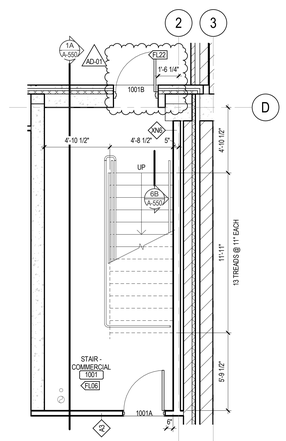
5C A-550 SECTION - TYPICAL STAIR AT LANDING
3/4" = 1'-0"



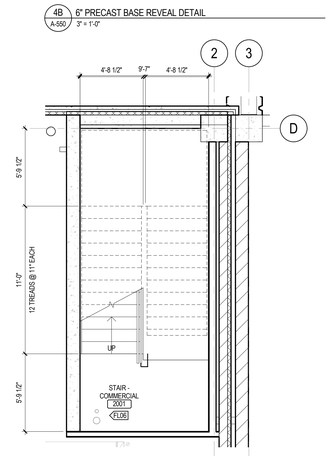
6C A-550 SECTION DETAIL-TYPICAL HANDRAIL AT WALL-AT TOP OF STAIR RUN
3/4" = 1'-0"



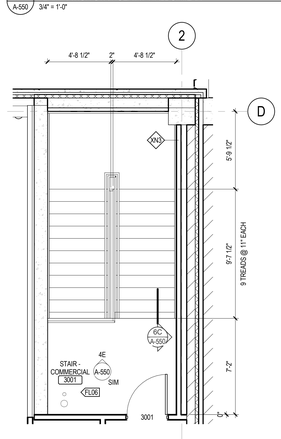
1A A-550 STAIR SECTION - NORTH WALL
1/4" = 1'-0"



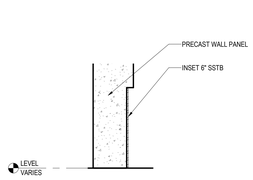
2A A-550 STAIR PLAN - FIRST LEVEL - COMMERCIAL STAIR 01
1/4" = 1'-0"



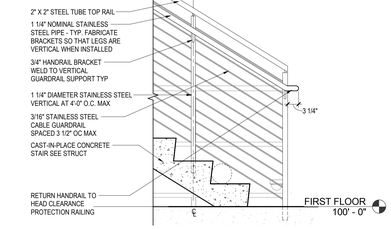
3A A-550 STAIR PLAN - SECOND LEVEL - COMMERCIAL STAIR 01
1/4" = 1'-0"



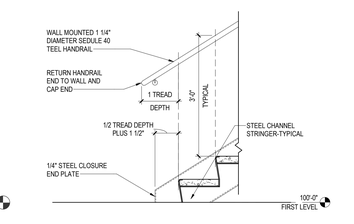
4A A-550 STAIR PLAN - THIRD LEVEL - COMMERCIAL STAIR 01
1/4" = 1'-0"



4B A-550 6" PRECAST BASE REVEAL DETAIL
3" = 1'-0"



5B A-550 SECTION DETAIL - TYPICAL STAIR AT BOTTOM OF STAIR TERMINATION-STRINGER AT WALL SIMILAR
3/4" = 1'-0"



6B A-550 SECTION DETAIL-TYPICAL HANDRAIL AT WALL-AT BOTTOM OF STAIR RUN
3/4" = 1'-0"

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ISSUE:
1 07/19/2017 ADDENDUM#1

PROJECT INFORMATION:

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DRAWN BY:	MO
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APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
1/4" STAIR PLANS AND SECTIONS

SHEET NUMBER:
A-550

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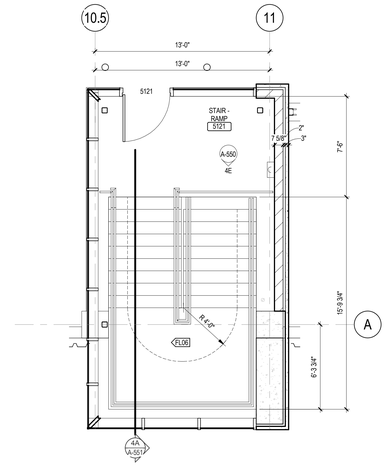
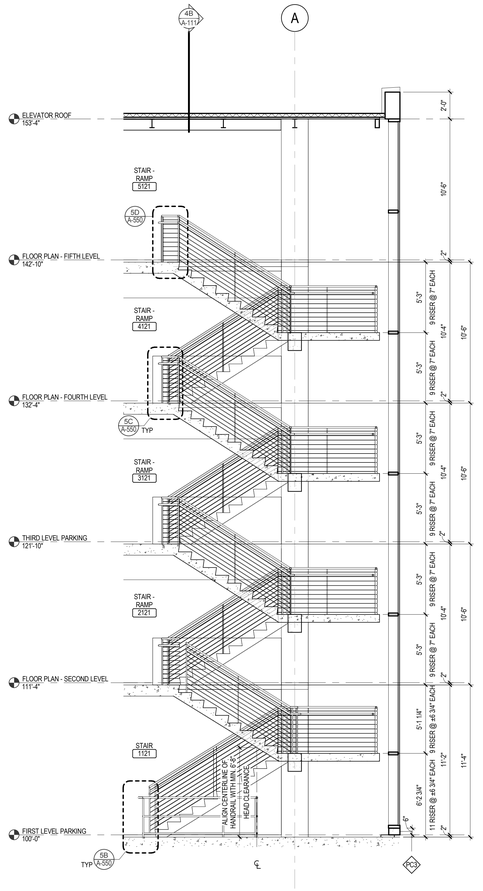
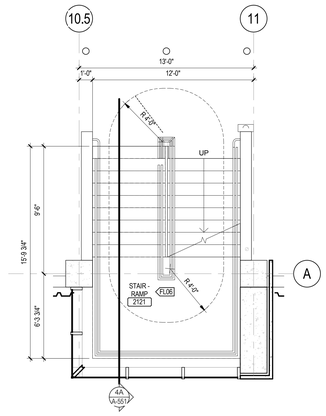


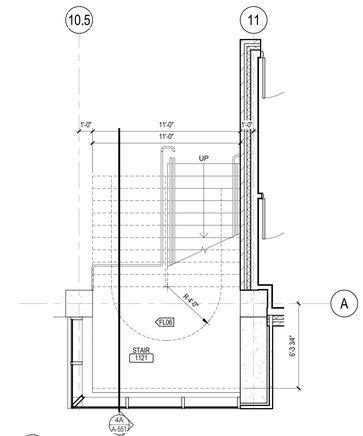
6C A-551 STAIR PLAN - FIFTH LEVEL - RAMP STAIR 02
1/4" = 1'-0"



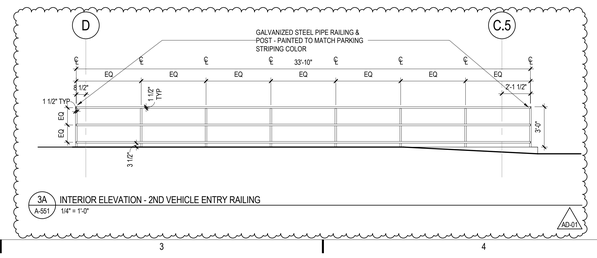
4A A-551 STAIR SECTION - STAIR 1121
1/4" = 1'-0"



6B A-551 STAIR PLAN - SECOND LEVEL - RAMP STAIR 02
1/4" = 1'-0"



6A A-551 STAIR PLAN - FIRST LEVEL - RAMP STAIR 02
1/4" = 1'-0"



3A A-551 INTERIOR ELEVATION - 2ND VEHICLE ENTRY RAILING
1/4" = 1'-0"

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5126 West Terrace Drive,
Suite 111
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CONSULTANTS:

BWBR

PROJECT TITLE:

Capitol East Parking Garage

211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:

CITY OF MADISON PARKING UTILITY

215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM#1

PROJECT INFORMATION:

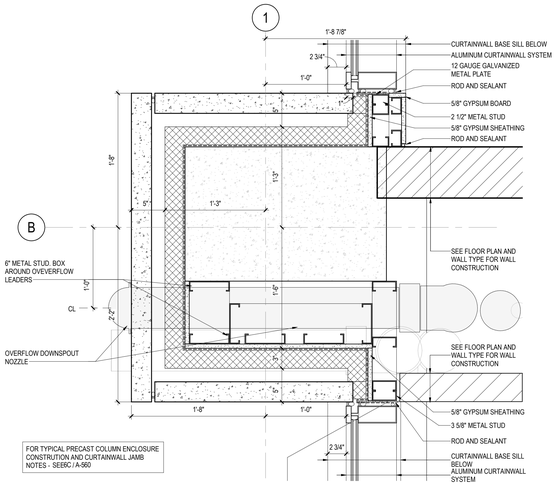
PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	MO
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:

1/4" STAIR PLANS AND SECTIONS

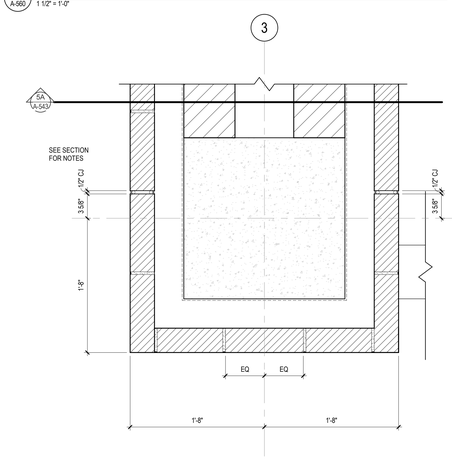
SHEET NUMBER:

A-551

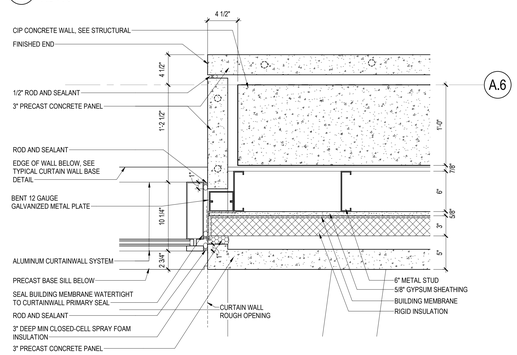


2C A-560 PLAN DETAIL - LOBBY COLUMN WITH OVERFLOW
1 1/2" = 1'-0"

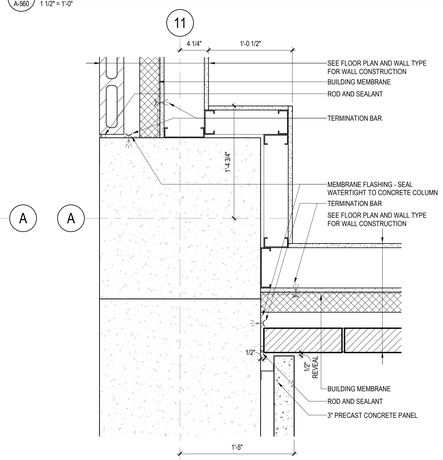
1B A-560 PLAN DETAIL - BRICK PIER AT PLAZA ENTRY
1 1/2" = 1'-0"



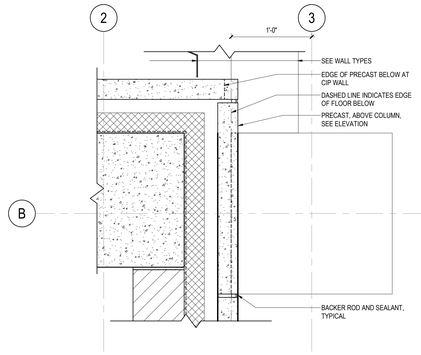
1A A-560 PLAN DETAIL - BRICK WALL PIER
1 1/2" = 1'-0"



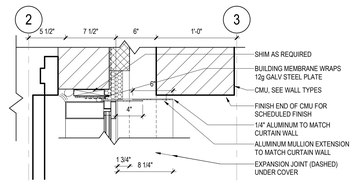
2B A-560 PLAN DETAIL - LOBBY CURTAINWALL JAMB AT PRECAST WRAP
1 1/2" = 1'-0"



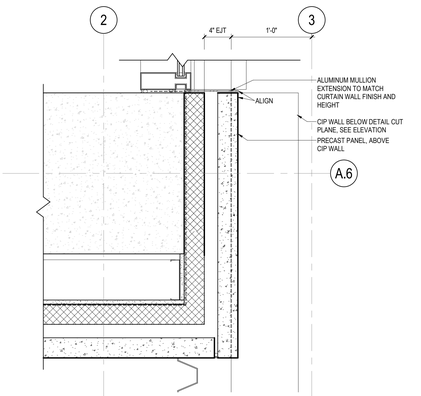
2A A-560 PLAN DETAIL - SECURITY OFFICE CORNER COLUMN
1 1/2" = 1'-0"



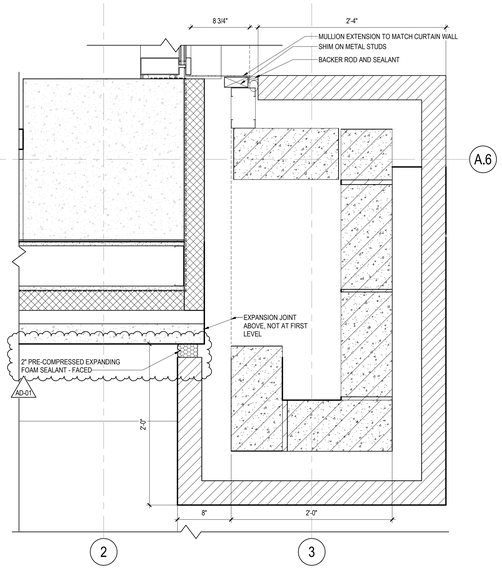
4D A-560 PLAN DETAIL - ELEVATOR LOBBY AT PARKING LEVEL 5
1 1/2" = 1'-0"



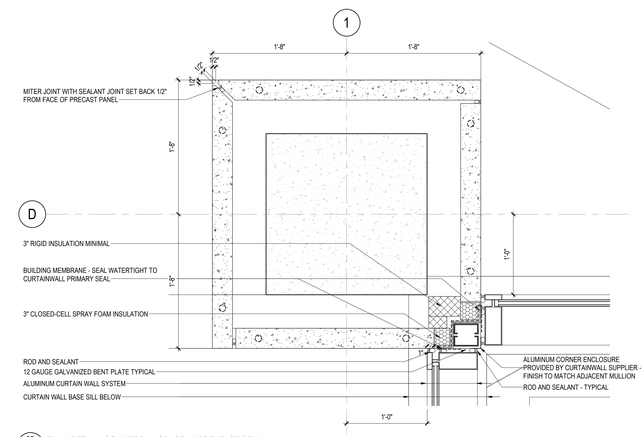
4C A-560 PLAN DETAIL - TYPICAL 12"CMU AT CURTAIN WALL JAMB
1 1/2" = 1'-0"



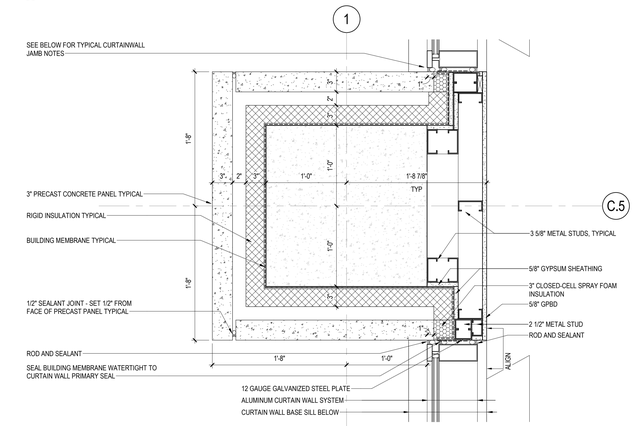
4B A-560 PLAN DETAIL - 5TH LEVEL
1 1/2" = 1'-0"



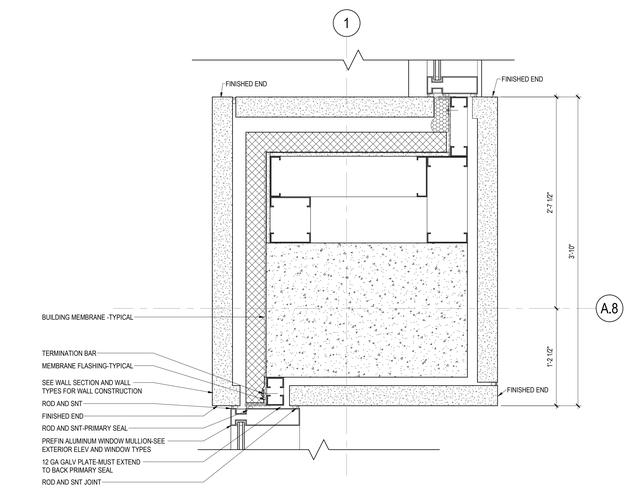
4A A-560 PLAN DETAIL -
1 1/2" = 1'-0"



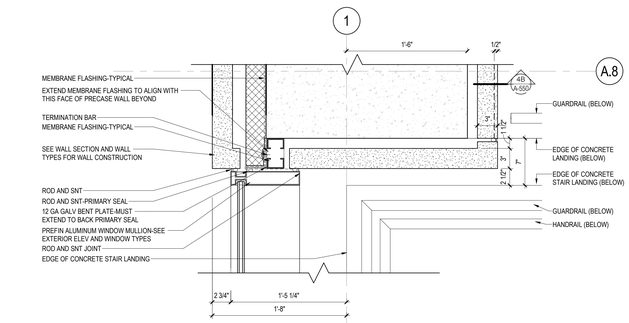
6D A-560 PLAN DETAIL - COMMERCIAL SPACE - NORTHEAST COLUMN
1 1/2" = 1'-0"



6C A-560 PLAN DETAIL - COMMERCIAL SPACE - TYPICAL COLUMN
1 1/2" = 1'-0"



6B A-560 PLAN DETAIL - ELEVATOR LOBBY - COLUMN 1ST LEVEL
1 1/2" = 1'-0"



6A A-560 PLAN DETAIL - ELEVATOR LOBBY - COLUMN 2ND - 5TH LEVEL
1 1/2" = 1'-0"

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ISSUE:

NO	DATE	DESCRIPTION
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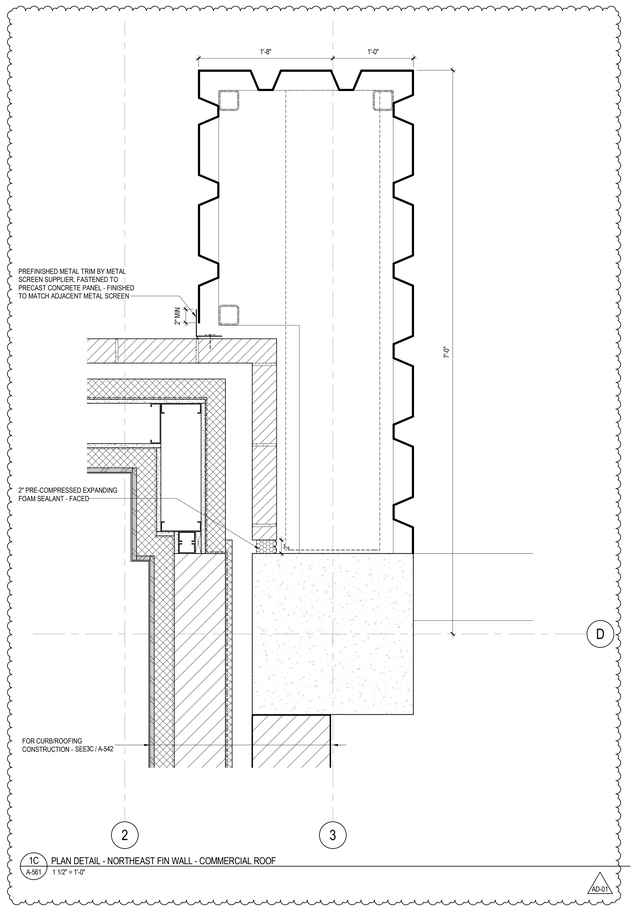
PROJECT INFORMATION:

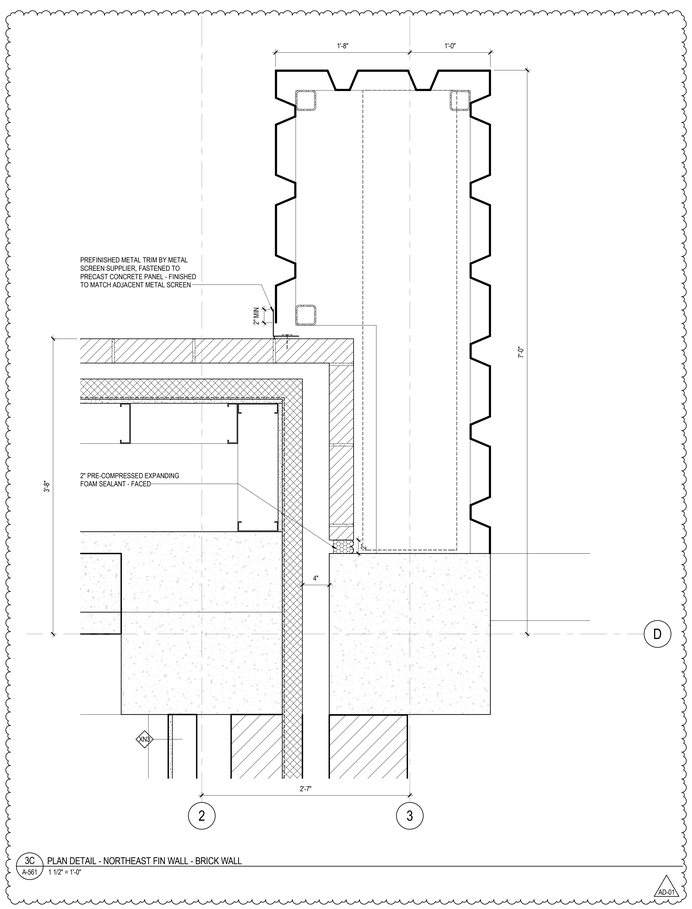
PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	SD
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
EXTERIOR PLAN DETAILS

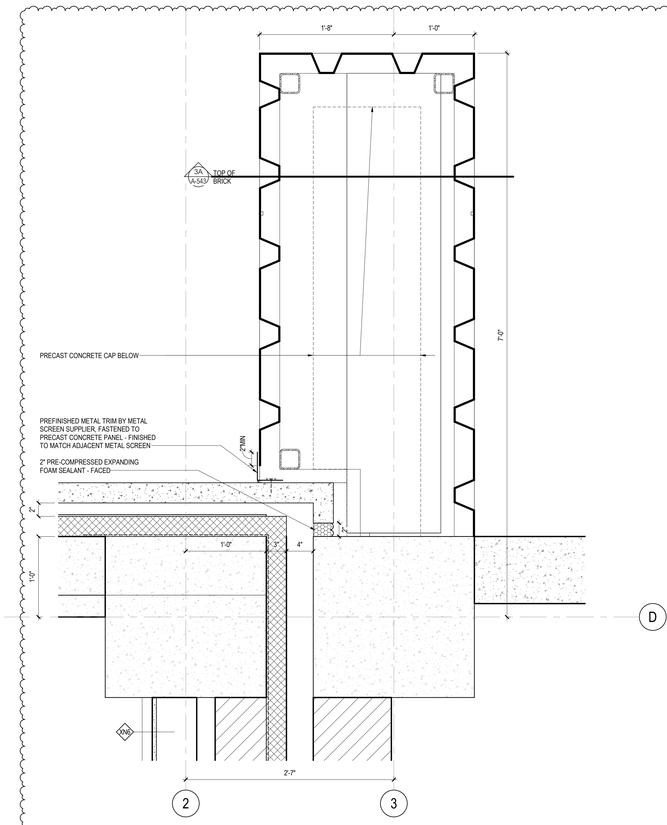
SHEET NUMBER:
A-560



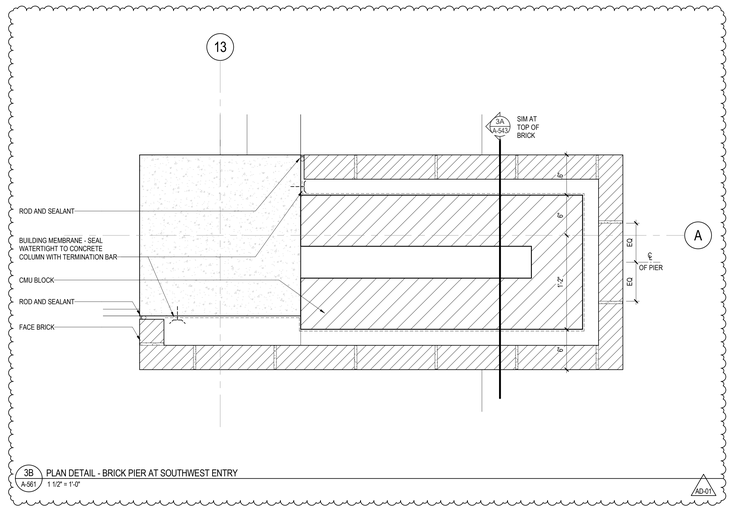
1C A-561 PLAN DETAIL - NORTHEAST FIN WALL - COMMERCIAL ROOF
1 1/2" = 1'-0"
AD-01



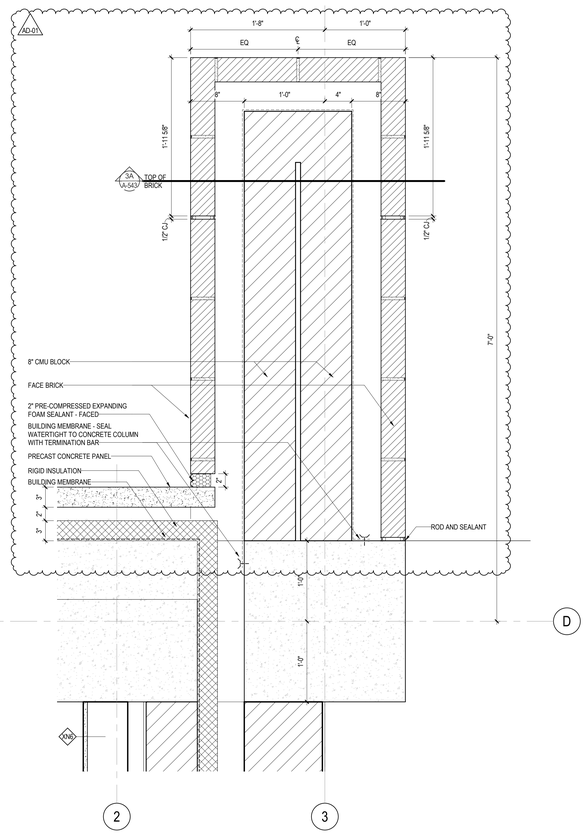
3C A-561 PLAN DETAIL - NORTHEAST FIN WALL - BRICK WALL
1 1/2" = 1'-0"
AD-01

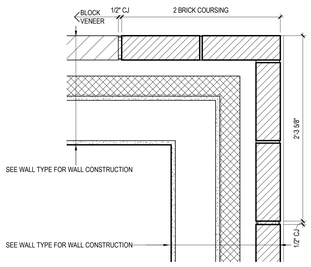


6C A-561 PLAN DETAIL - NORTHEAST FIN WALL - METAL SCREEN
1 1/2" = 1'-0"
AD-01

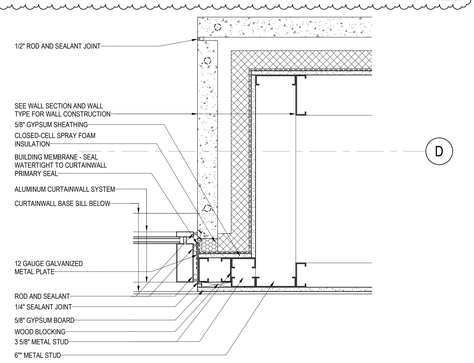


3B A-561 PLAN DETAIL - BRICK PIER AT SOUTHWEST ENTRY
1 1/2" = 1'-0"
AD-01





3A A-561 PLAN DETAIL - SECURITY OFFICE BRICK/CMU CORNER
1 1/2" = 1'-0"



4A A-561 PLAN DETAIL - COMMERCIAL CURTAINWALL JAMB
1 1/2" = 1'-0"

6A A-561 PLAN DETAIL - NORTHEAST FIN WALL - BRICK PIER
1 1/2" = 1'-0"

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MADISON, WISCONSIN 53801-2986

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PROJECT INFORMATION:

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DATE:	06/30/2017
DRAWN BY:	SD
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:

EXTERIOR PLAN DETAILS

SHEET NUMBER:

A-561

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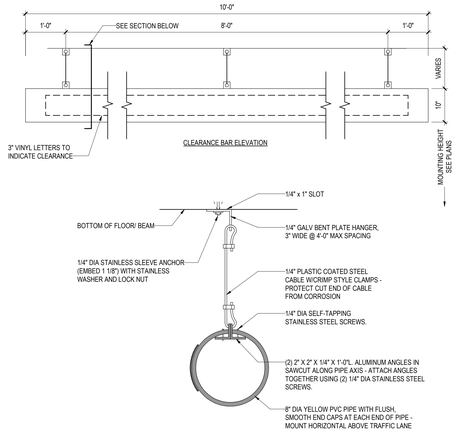
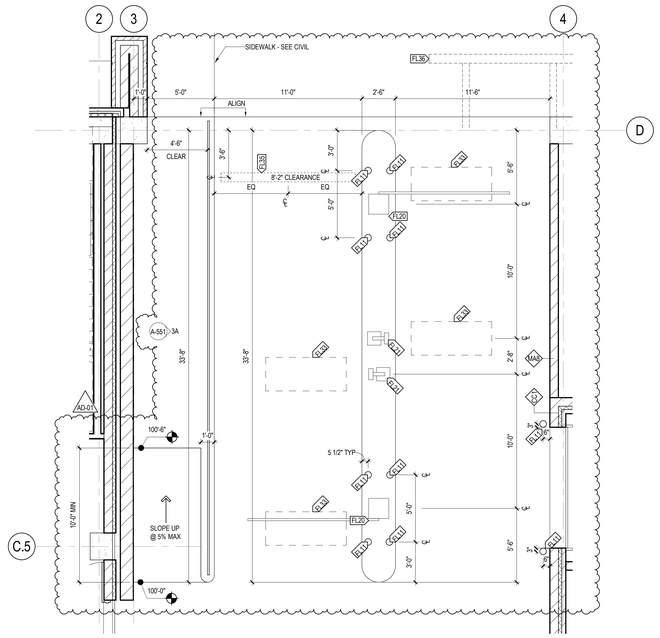
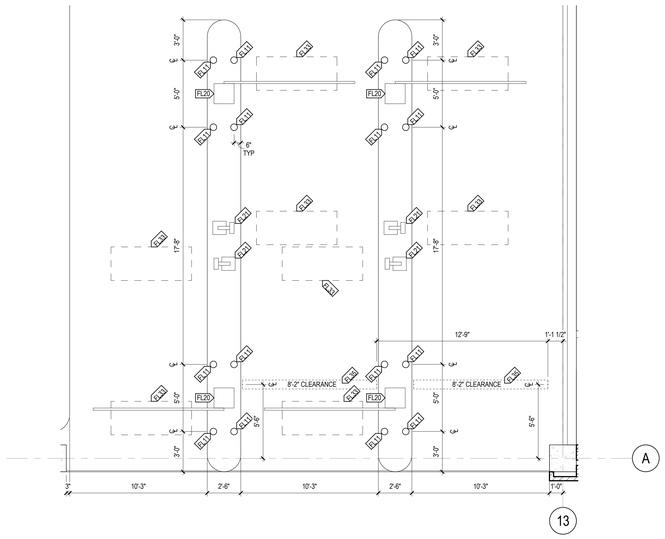


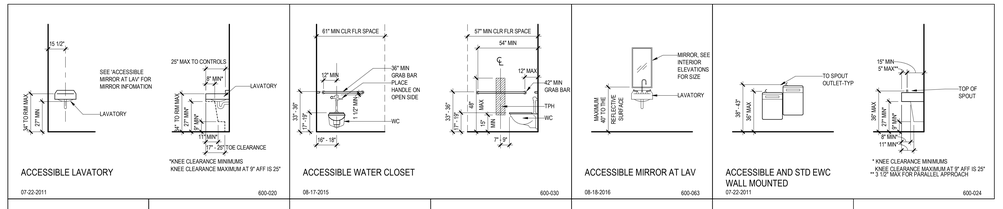
1D A-600 CLEARANCE BAR DETAILS
3/4" = 1'-0"

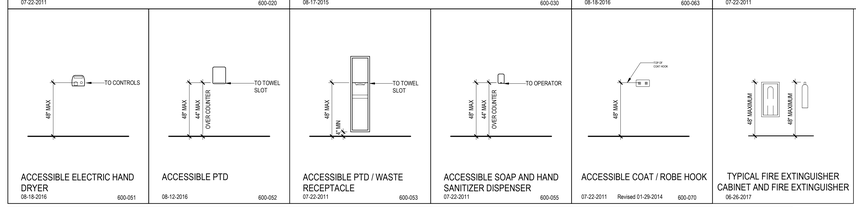


1B A-600 ENLARGED PLAN - VEHICULAR SECONDARY ENTRANCE
1/4" = 1'-0"



1A A-600 ENLARGED PLAN - VEHICULAR PRIMARY ENTRANCE
1/4" = 1'-0"
AD-01





FLOOR AND FINISH PLAN KEYED NOTES

- FL01 WALL FINISHES VARY. SEE ELEVATIONS.
- FL02 PROVIDE STAINLESS STEEL TOILET ROOM ACCESSORIES TO INCLUDE: GRAB BARS, TOILET PAPER HOLDER, PAPER TOWEL DISPENSER, SOAP DISPENSER, SANITARY NAPKIN RECEPTACLE, ACC MIRROR, AND STAINLESS STEEL SHELF.
- FL03 PROVIDE (2) COAT HOOKS ON BACKSIDE OF DOOR.
- FL04 FLOORING IN ELEVATOR CAB TO BE RF1. SEE SPEC FOR ADDITIONAL FINISH INFORMATION.
- FL05 SEE ENLARGED STAIR PLANS FOR FINISH INFORMATION.
- FL06 STAIR TREADS, RISERS AND LANDINGS TO BE EXPOSED CONCRETE. HANDRAILS TO BE STAINLESS STEEL CABLE RAIL.
- FL07 NOT USED.
- FL08 PAINT HM DOORS AND HM FRAMES PNT3 BOTH SIDES.
- FL09 PAINT HM DOOR AND HM FRAME PNT6 BOTH SIDES.
- FL10 PROVIDE PWC1 FORM TOP OF BASE UP TO 4'-4" A.F.F.. EXTENTS NOTED ON PLAN. BUTT JOINT AT SEEMS AND PROVIDE INPRO PWC TOP TRIM AT TOP OF PANELS.

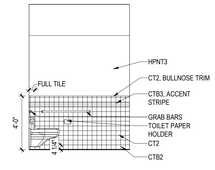
NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

- FL11 6" DIA / 48" TALL BOLLARD
- FL12 EXPANSION JOINT & COVER
- FL13 RAIN WATER LEADER AND OVERFLOW FROM THE COMMERCIAL ROOFING OFFSETS TO THIS LOCATION IN THE CEILING SPACE OF LEVEL 3
- FL14 NOT USED
- FL15 RAIN WATER OVERFLOW FROM THE STAIR AND ELEVATOR TOWER DAYLIGHTS THROUGH A DOWNSPOUT NOZZLE (LAMB'S TOUNGE)
- FL16 EXTERIOR ACCESS DOOR
- FL17 PAY-ON-FOOT MACHINE - OFOI
- FL18 BIKE RACK
- FL19 REMOVABLE GRATE, SEE CIVIL
- FL20 AUTO GATE (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL21 REVENUE CONTROL SYSTEM (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL22 DOOR ACCESS CONTROL CARD READER
- FL23 SNOW CHUTE 3'-0"x3'-0"ACCESS PANEL
- FL24 RECESSED HOSE BIBB CABINET
- FL25 INSULATE EXTERIOR OF FOUNDATION WALL FROM FOOTING TO GRADE - PERIMETER OF STORMWATER TANK
- FL26 PROVIDE 3" UNDER SLAB INSULATION AROUND THE PERIMETER OF SEMI-HEATED SPACE
- FL27 PROVIDE 3" SPRAY-ON INSULATION TO COVER ENTIRETY OF CEILING AND PROTRUDING STRUCTURE MEMBERS
- FL28 NOT USED.
- FL29 EXPOSED BASE AT ALL MASONRY WALLS AND ALUMN CURTAIN WALL. STAINLESS STEEL BASE AS INDICATED ON PLAN.
- FL30 PROVIDE SURFACE MOUNTED CABINET (FEC2) AND FIRE EXTINGUISHER
- FL31 PROVIDE BRACKET (FEC1) AND FIRE EXTINGUISHER
- FL32 ART INSTALLATION - OWNER FURNISHED OWNER INSTALLED - GC TO ENSURE CONTINUOUS AND WATERTIGHT WEATHER BARRIER AT INTERFACE WITH OTHER BUILDING ELEMENTS
- FL33 AUTOMATIC DOOR OPERATOR ACTUATOR - BOLLARD MOUNT
- FL34 AUTOMATIC DOOR OPERATOR ACTUATOR - JAMB MOUNT
- FL35 ENTRANCE CLEARANCE BAR (SEE REVENUE CONTROL SUPPLIER DRAWINGS), SEE 1D/A-600
- FL36 SNOW CHUTE ABOVE

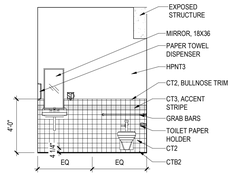
REFLECTED CEILING PLAN KEYED NOTES

- RC01 UNDERSIDE OF EXPOSED STRUCTURE, MECHNICAL, ELECTRICAL AND PIPES TO REMAIN EXPOSED. NO FINISHES APPLIED.

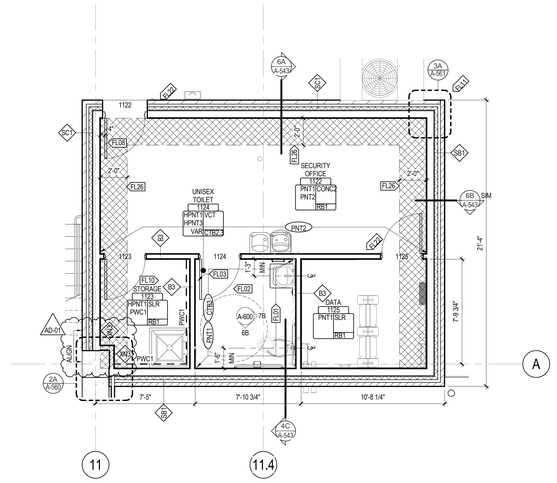
NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN



6B A-600 INTERIOR ELEVATION - NORTHEAST ELEVATION
1/4" = 1'-0"



7B A-600 INTERIOR ELEVATION - SOUTHEAST ELEVATION
1/4" = 1'-0"



6A A-600 ENLARGED PLAN - SECURITY OFFICE, STORAGE, TOILET, DATA
1/4" = 1'-0"

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APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:

MOUNTING HEIGHTS, 1/4" PLANS AND INTERIOR ELEVATIONS

SHEET NUMBER:

A-600

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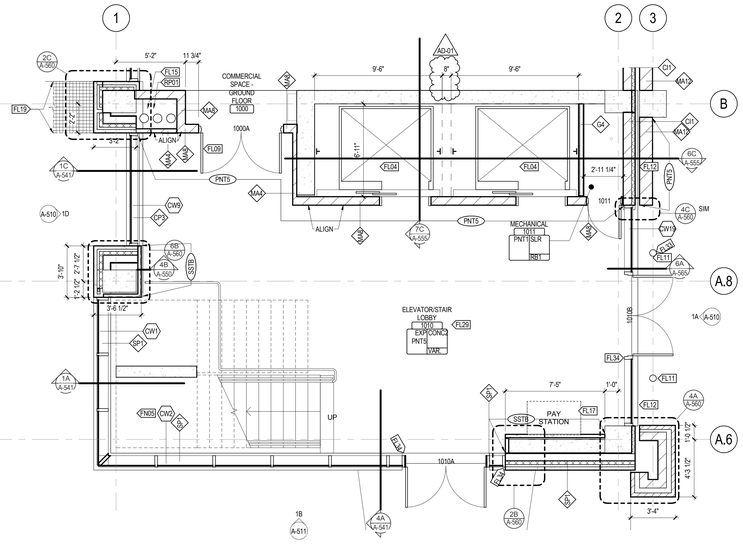
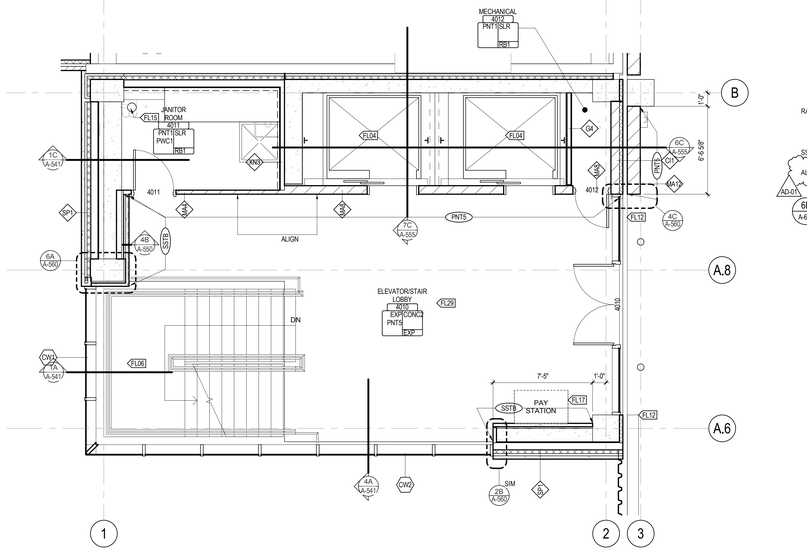


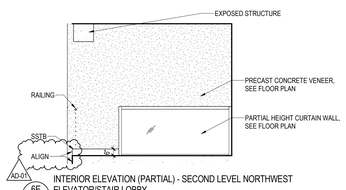
1D ENLRAGED PLAN - FIRST LEVEL
A-605 1/4" = 1'-0"

TRUE NORTH PROJECT NORTH

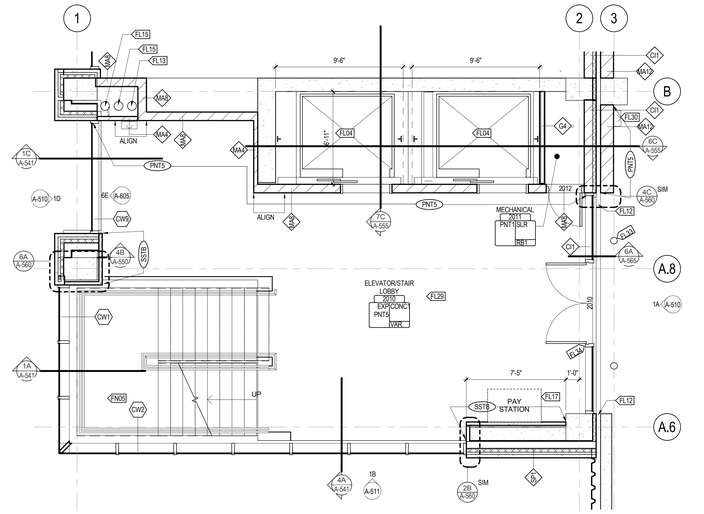


3D ENLARGED PLAN - FOURTH LEVEL - ELEVATOR LOBBY
A-605 1/4" = 1'-0"

TRUE NORTH PROJECT NORTH

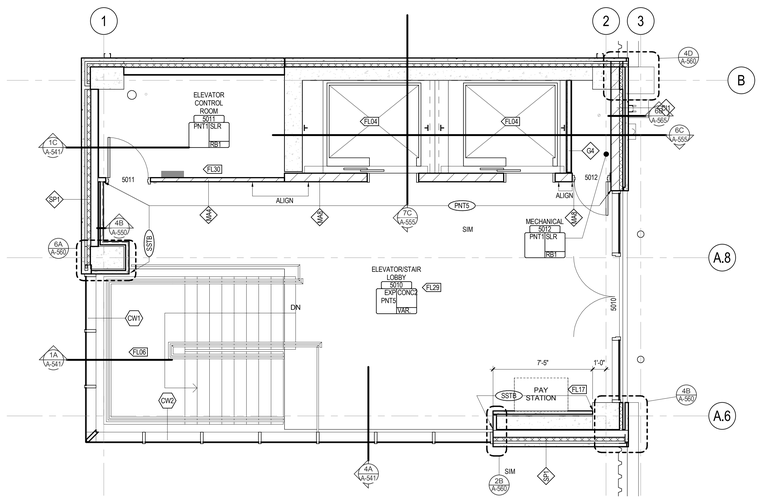


INTERIOR ELEVATION (PARTIAL) - SECOND LEVEL NORTHWEST
6E A-605 ELEVATOR/STAIR LOBBY
1/4" = 1'-0"



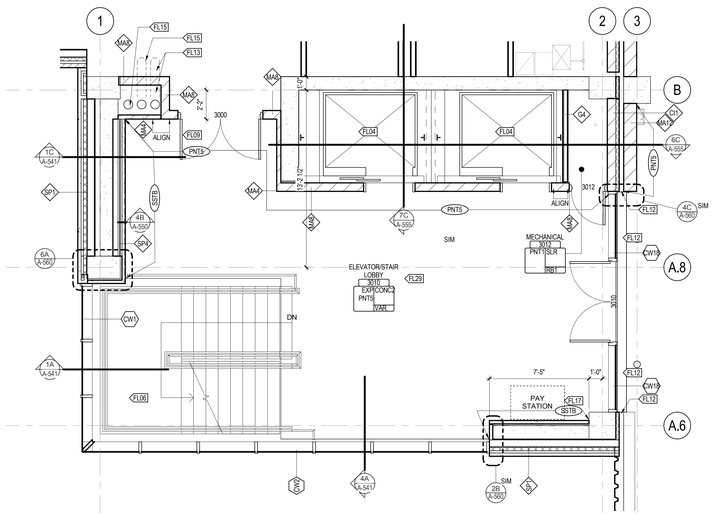
1C ENLARGED PLAN - SECOND LEVEL - ELEVATOR LOBBY
A-605 1/4" = 1'-0"

TRUE NORTH PROJECT NORTH



3C ENLARGED PLAN - FIFTH LEVEL - ELEVATOR LOBBY
A-605 1/4" = 1'-0"

TRUE NORTH PROJECT NORTH



1A ENLARGED PLAN - THIRD LEVEL PARKING/SECOND LEVEL COMMERCIAL - ELEVATOR LOBBY
A-605 1/4" = 1'-0"

TRUE NORTH PROJECT NORTH

FLOOR AND FINISH PLAN KEYED NOTES

- FL01 WALL FINISHES VARY. SEE ELEVATIONS.
- FL02 PROVIDE STAINLESS STEEL TOILET ROOM ACCESSORIES TO INCLUDE: GRAB BARS, TOILET PAPER HOLDER, PAPER TOWEL DISPENSER, SOAP DISPENSER, SANITARY NAPKIN RECEPTACLE, ACC MIRROR, AND STAINLESS STEEL SHELF.
- FL03 PROVIDE (2) COAT HOOKS ON BACKSIDE OF DOOR
- FL04 FLOORING IN ELEVATOR CAB TO BE RF1. SEE SPEC FOR ADDITIONAL FINISH INFORMATION.
- FL06 SEE ENLARGED STAIR PLANS FOR FINISH INFORMATION.
- FL06 STAIR TREADS, RISERS AND LANDINGS TO BE EXPOSED CONCRETE. HANDRAILS TO BE STAINLESS STEEL CABLE RAIL.
- FL07 NOT USED.
- FL08 PAINT HM DOORS AND HM FRAMES PNT3 BOTH SIDES.
- FL09 PAINT HM DOOR AND HM FRAME PNT6 BOTH SIDES.
- FL10 PROVIDE PWC1 FORM TOP OF BASE UP TO 4'-4" A.F.F. EXTENTS NOTED ON PLAN. BUTT JOINT AT SEEMS AND PROVIDE INPRO PVC TOP TRIM AT TOP OF PANELS.
  NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN
- FL11 6" DIA / 48" TALL BOLLARD
- FL12 EXPANSION JOINT & COVER
- FL13 RAIN WATER LEADER AND OVERFLOW FROM THE COMMERCIAL ROOFING OFFSETS TO THIS LOCATION IN THE CEILING SPACE OF LEVEL 3
- FL14 NOT USED
- FL15 RAIN WATER OVERFLOW FROM THE STAIR AND ELEVATOR TOWER DAYLIGHTS THROUGH A DOWNSPOUT NOZZLE (LAMBS TOUNGE)
- FL16 EXTERIOR ACCESS DOOR
- FL17 PAY-ON-FOOT MACHINE - OFOI
- FL18 BIKE RACK
- FL19 REMOVABLE GRATE, SEE CIVIL
- FL20 AUTO GATE (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL21 REVENUE CONTROL SYSTEM (SEE REVENUE CONTROL SUPPLIER DRAWINGS)
- FL22 DOOR ACCESS CONTROL CARD READER
- FL23 SNOW CHUTE 3'-0"x3'-0"ACCESS PANEL
- FL24 RECESSED HOSE BIBB CABINET
- FL25 INSULATE EXTERIOR OF FOUNDATION WALL FROM FOOTING TO GRADE - PERIMETER OF STORMWATER TANK
- FL26 PROVIDE 3" UNDER SLAB INSULATION AROUND THE PERIMETER OF SEMI-HEATED SPACE
- FL27 PROVIDE 3" SPRAY-ON INSULATION TO COVER ENTIRETY OF CEILING AND PROTRUDING STRUCTURE MEMBERS
- FL28 NOT USED.
- FL29 EXPOSED BASE AT ALL MASONRY WALLS AND ALUMN CURTAIN WALL. STAINLESS STEEL BASE AS INDICATED ON PLAN.
- FL30 PROVIDE SURFACE MOUNTED CABINET (FEC2) AND FIRE EXTINGUISHER
- FL31 PROVIDE BRACKET (FEC1) AND FIRE EXTINGUISHER
- FL32 ART INSTALLATION - OWNER FURNISHED OWNER INSTALLED - GC TO ENSURE CONTINUOUS AND WATERTIGHT WEATHER BARRIER AT INTERFACE WITH OTHER BUILDING ELEMENTS
- FL33 AUTOMATIC DOOR OPERATOR ACTUATOR - BOLLARD MOUNT
- FL34 AUTOMATIC DOOR OPERATOR ACTUATOR - JAMB MOUNT
- FL35 ENTRANCE CLEARANCE BAR (SEE REVENUE CONTROL SUPPLIER DRAWINGS), SEE 10/A-600
- FL36 SNOW CHUTE ABOVE

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www.graef-usa.com

CONSULTANTS:

BWBR

PROJECT TITLE:

Capitol East Parking Garage

211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:

CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM#1

PROJECT INFORMATION:

PROJECT NUMBER:	3.2016187.00
DATE:	06/30/2017
DRAWN BY:	MO
CHECKED BY:	JD
APPROVED BY:	RG
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:

1/4" PLANS AND INTERIOR ELEVATIONS

SHEET NUMBER:

A-605

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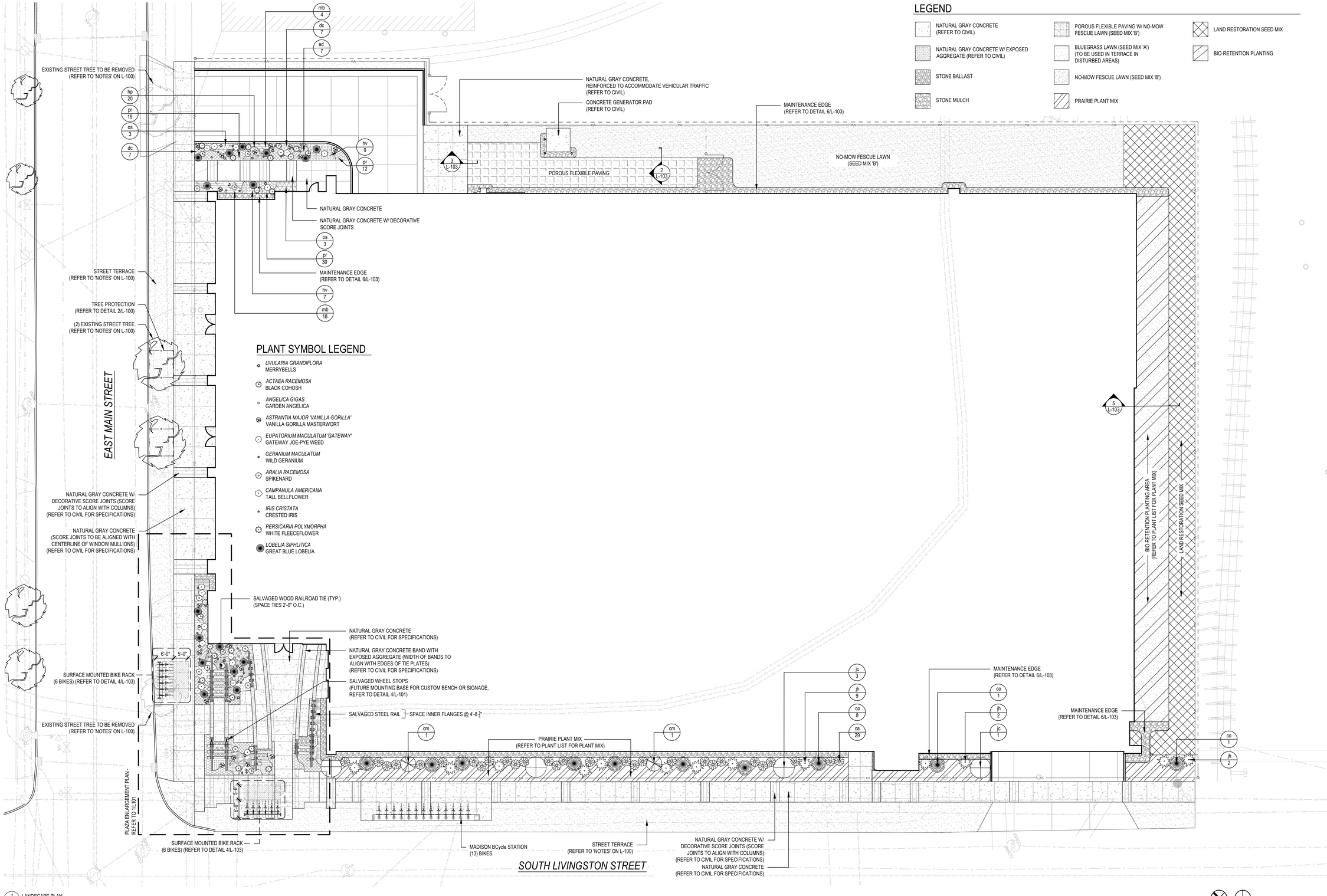


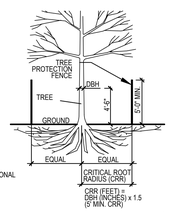
PLANT SYMBOL LEGEND

- *UVULARIA GRANDIFLORA* — MERRYBELLS
- *ACTAEA RACEMOSA* — BLACK COHOSH
- *ANGELICA GIGAS* — GARDEN ANGELICA
- *ASTRANTIA MAJOR 'VANILLA GORILLA'* — VANILLA GORILLA MASTERWORT
- *EUPATORIUM MACULATUM 'GATEWAY'* — GATEWAY JOE-PYE WEED
- *GERANIUM MACULATUM* — WILD GERANIUM
- *ARALIA RACEMOSA* — SPIKENARD
- *CAMPANULA AMERICANA* — TALL BELLFLOWER
- *IRIS CRISTATA* — CRESTED IRIS
- *PERSICARIA POLYMORPHA* — WHITE FLEECEFLOWER
- *LOBELIA SIPHLITICA* — GREAT BLUE LOBELIA

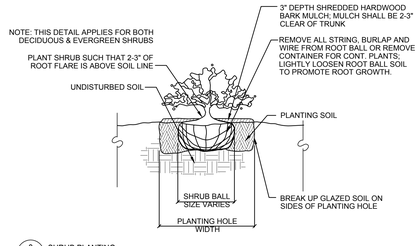
1 L-100 LANDSCAPE PLAN
3/32" = 1'-0" on 36"x48" sheet

TRUE NORTH | PROJECT NORTH

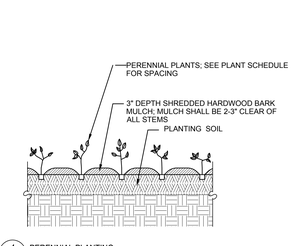
NOTES:
1. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING.
2. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE DEMOLITION OR PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT. NO CONSTRUCTION MATERIALS, EQUIPMENT, OR SUPPLIES MAY BE STORED IN THE TREE PROTECTION AREA NOR MAY CONSTRUCTION MATERIALS BE DISPOSED OF WITHIN THE TREE PROTECTION AREA.
3. TRUNK DIAMETER AT BREAST HEIGHT (DBH) MEASURED AT 4.5' ABOVE THE GROUND.
4. TREE PROTECTION FENCE STAKES 8' O.C. MAX.
5. PROTECT TREE CANOPIES FROM OVERHEAD DAMAGE.
6. IF HEAVY EQUIPMENT MUST BE DRIVEN WITHIN FENCED AREA, WOODEN BRIDGING MUST BE PLACED UNDER DRIVE TO PREVENT COMPACTION AND ROOT DAMAGE.
7. REFER TO CIVIL DEMOLITION PLANS FOR ADDITIONAL NOTES.



2 L-100 TREE PROTECTION
N.T.S.



3 L-100 SHRUB PLANTING
N.T.S.



4 L-100 PERENNIAL PLANTING
N.T.S.

THE LOCATION OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

"TO OBTAIN LOCATION OF UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN"
CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE
FAX A LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

NOTES:
1. The Right-of-Way is the sole jurisdiction of the City of Madison and is subject to change at anytime per the recommendation/plan of Traffic Engineering and City Engineering Departments.
2. Contractor shall contact City Forestry at least 48 hours prior to any work on street trees.
3. Approval and permitting of street tree removals and street tree planting shall be obtained from the City Forester and/or the Board of Public Works prior to the approval of the site plan.
4. All disturbed areas within the public terrace shall be seeded with City of Madison standard 'Blue Grass Lawn -Seed Mix 'A".
5. All at-grade planting areas shall receive 18" planting soil minimum per section 32 91 13 (Soil Preparation).
6. All plant beds shall be treated with pre-emergent herbicide after planting and prior to mulching. Apply per manufacturer's specifications.
7. All plant beds shall have 3" shredded hardwood bark mulch unless otherwise noted.
8. All plant material shall be warranted for 12 months following substantial completion per section 32 93 00 (Plants).

GRÄEF
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CONSULTANTS:
KEN SAIKI DESIGN INC.
303 S. Paterson Street
Suite 1
Madison, WI 53703
608 / 251 3600
ksd-la.com

PROJECT TITLE:
CAPITOL EAST PARKING GARAGE
211 SOUTH LIVINGSTON STREET, MADISON, WI 53703
MUNIS NUMBER 9527
CONTRACT NUMBER 7951

CLIENT:
CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53701-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM #1

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/2017
DRAWN BY:	JS
CHECKED BY:	NS
APPROVED BY:	KS
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
L-100

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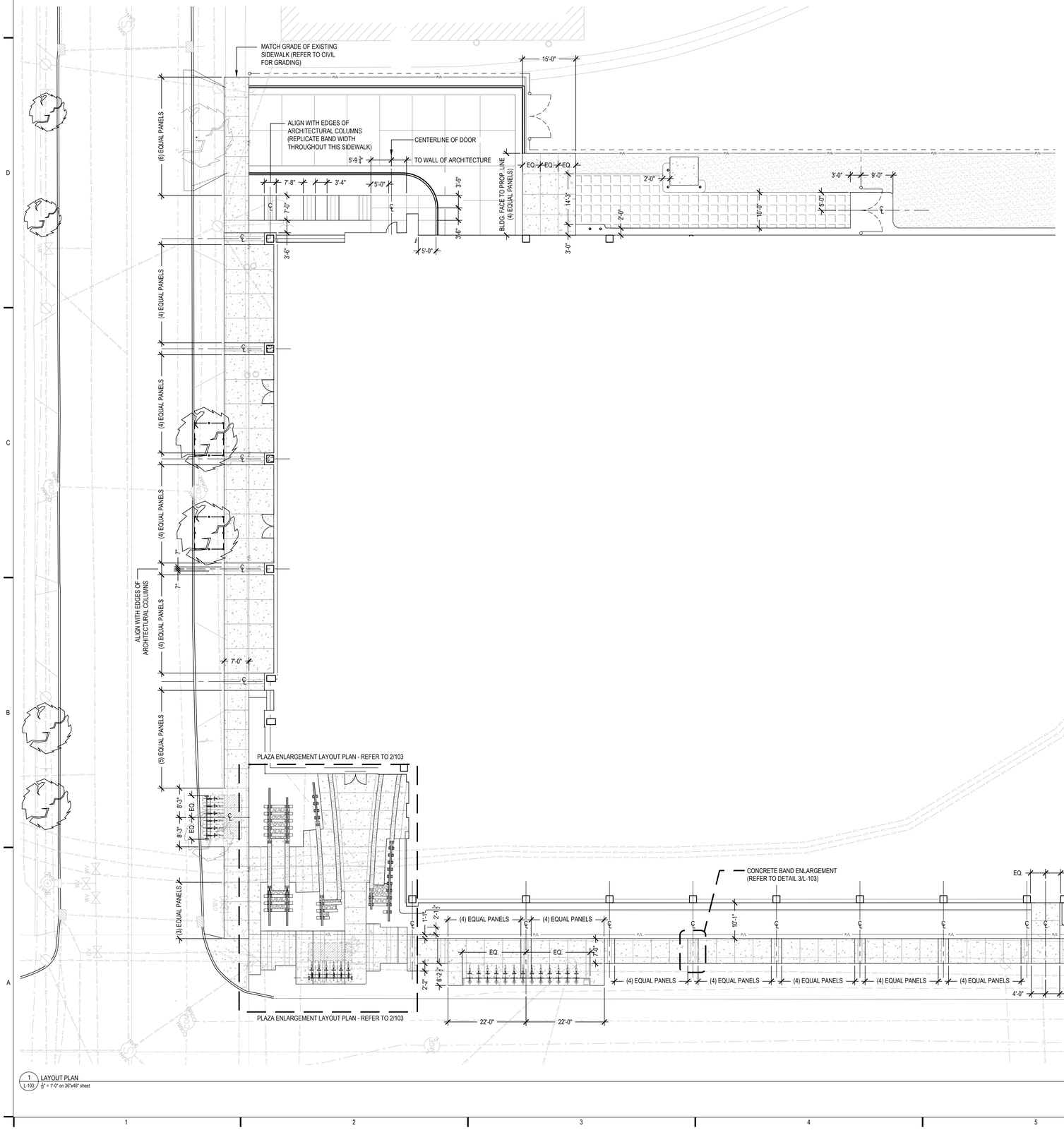
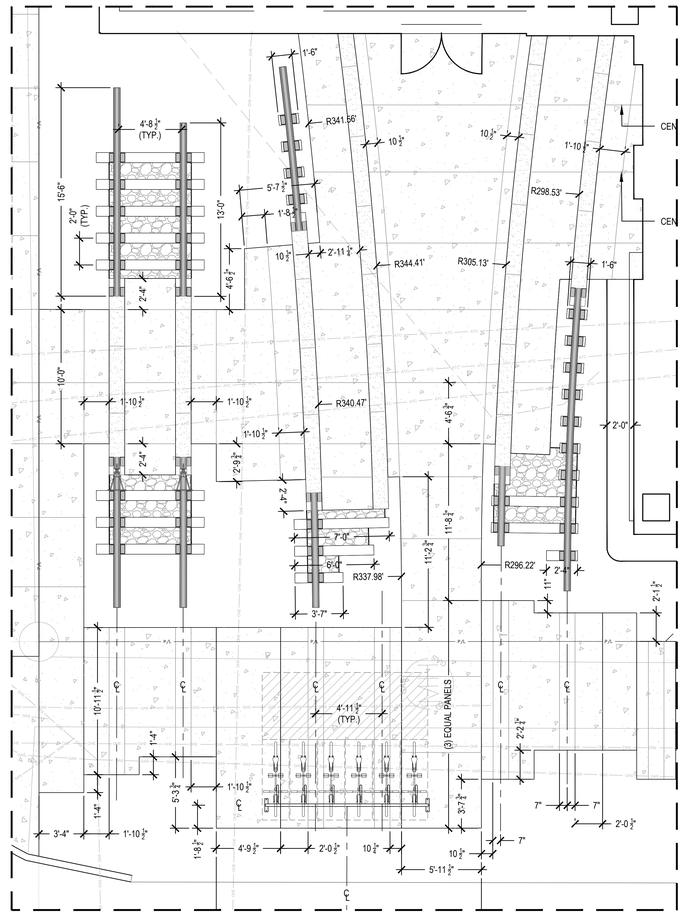
NOTES:

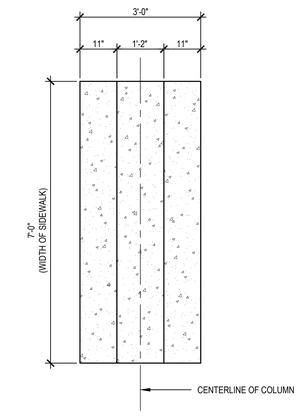
1. The Right-of-Way is the sole jurisdiction of the City of Madison and is subject to change at anytime per the recommendation/plan of Traffic Engineering and City Engineering Departments.
2. Contractor is responsible for staking site for horizontal and vertical alignment.
3. Any deviation from or modifications of layout and dimensions shown on this plan shall require prior approval by Owner's representative.
4. Contractor shall place all concrete control joints as shown on the drawings.
5. Contractor shall arrange for layout approval with Owner's representative providing a minimum of two (2) working days notice prior to any execution of work.
6. Contractor is responsible for field verification of all existing site elements. Contractor shall contact diggers hot line for underground utility locations.



1 LAYOUT PLAN
L-103 1/8" = 1'-0" on 36"x48" sheet



2 PLAZA ENLARGEMENT LAYOUT PLAN
L-103 1" = 1'-0" on 36"x48" sheet



3 CONCRETE BAND ENLARGEMENT
L-103 1" = 1'-0" on 36"x48" sheet

TRUE NORTH PROJECT NORTH

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CONSULTANTS:

KEN SAIKI DESIGN INC.
303 S. Paterson Street
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Madison, WI 53703
608 / 251 3600
ksd-la.com

PROJECT TITLE:

CAPITOL EAST PARKING GARAGE

211 SOUTH LIVINGSTON STREET, MADISON, WI 53703
MUNIS NUMBER 9527
CONTRACT NUMBER 7951

CLIENT:

CITY OF MADISON PARKING UTILITY

215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53701-2996

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM #1

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/2017
DRAWN BY:	JS
CHECKED BY:	NS
APPROVED BY:	KS
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:

LAYOUT PLAN

SHEET NUMBER:

L-102

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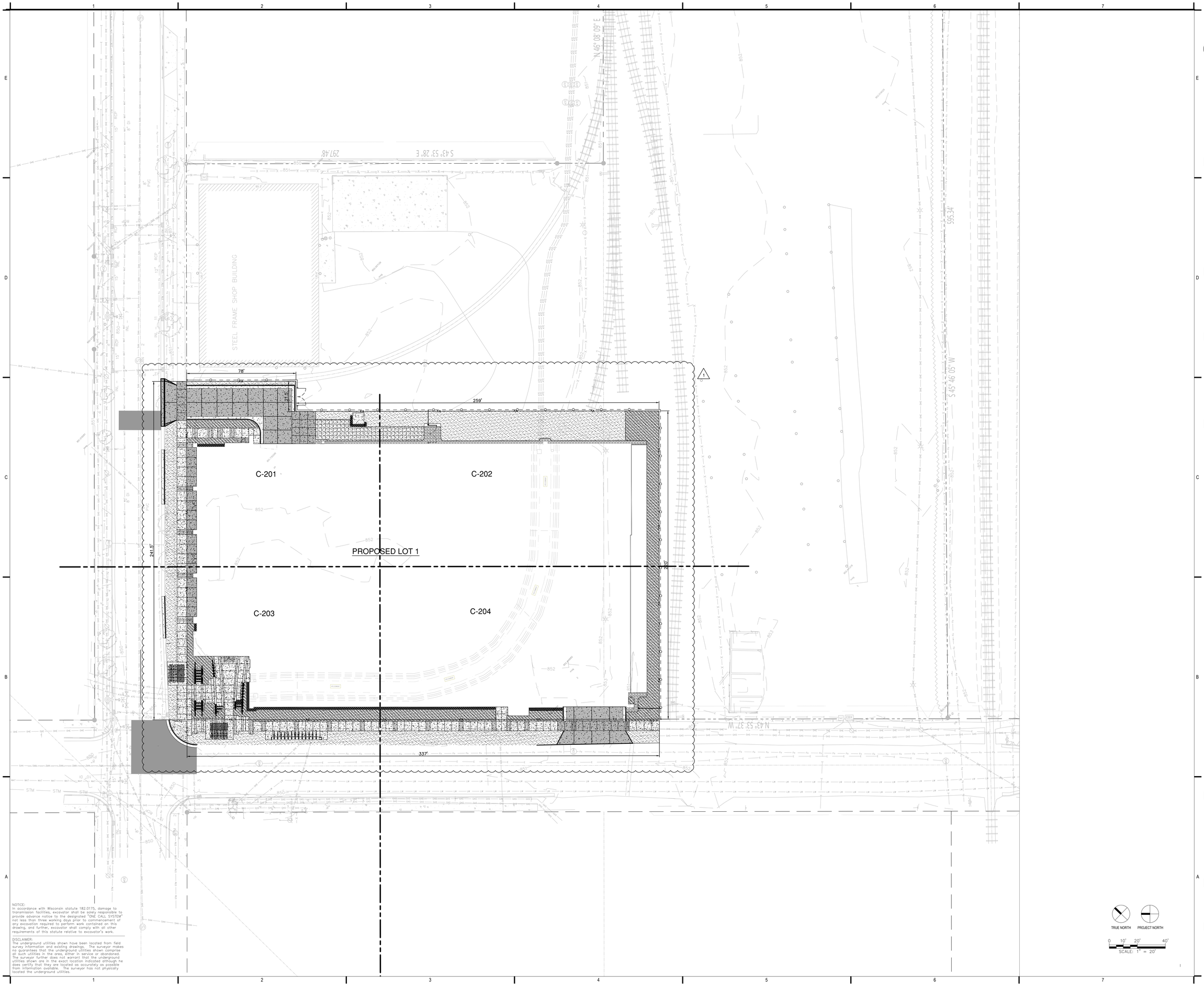

NOTICE:
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TRUE NORTH PROJECT NORTH

0 10' 20' 40'
SCALE: 1" = 20'

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CONSULTANTS:

PROJECT TITLE:
CAPITOL EAST PARKING RAMP

211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:
CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53701-2996

ISSUE:

NO	DATE	DESCRIPTION
1	07/10/17	SITE PLAN REVIEW APPROVAL
2	07/19/17	ADDENDUM #1

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/17
DRAWN BY:	SRK
CHECKED BY:	JAL
APPROVED BY:	JAL
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C-200

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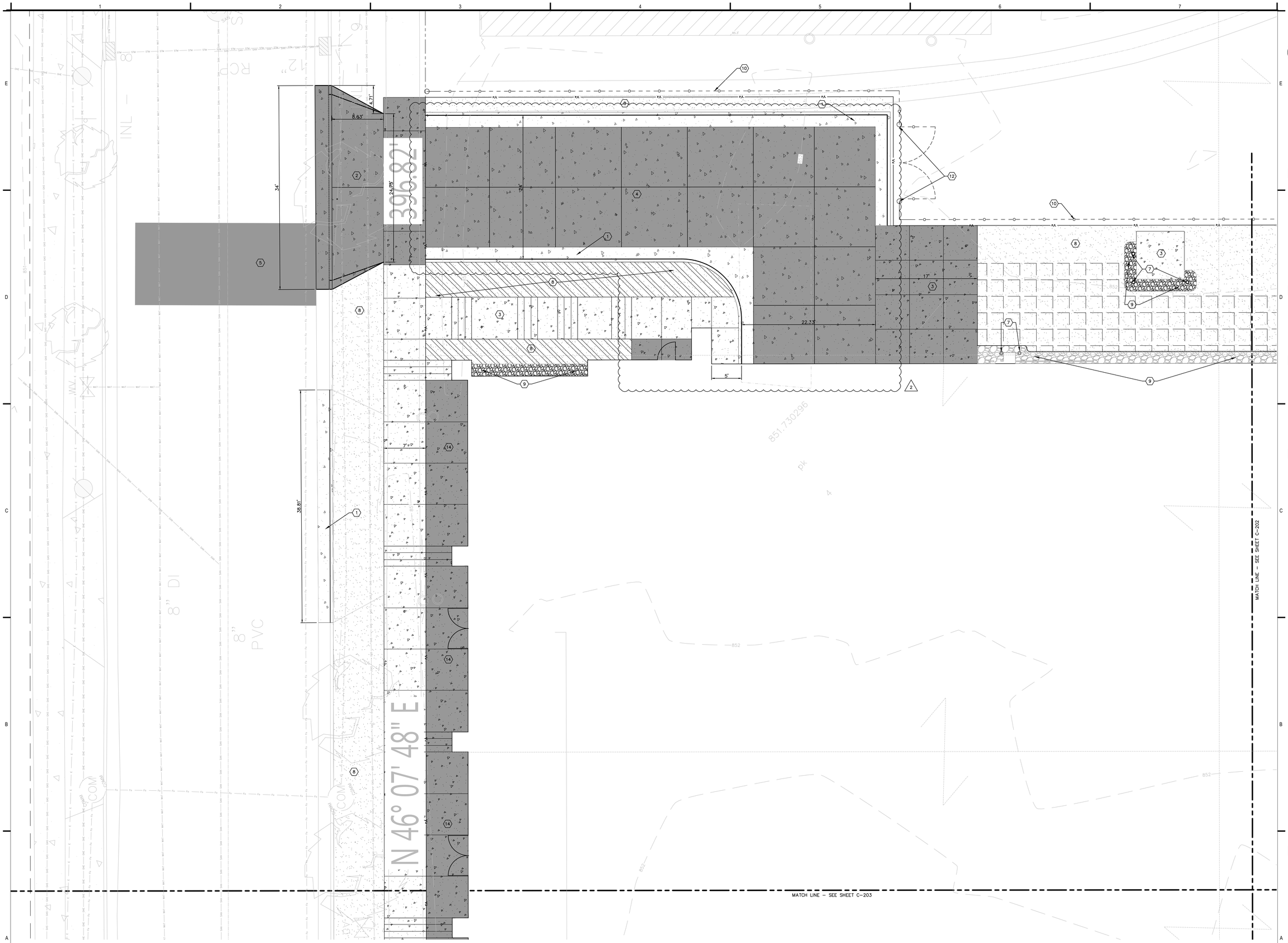

KEY NOTES

1. CONCRETE CURB AND GUTTER, TYPE A (A1/C–901)
2. CONCRETE DRIVEWAY (C1/C–901)
3. CONCRETE SIDEWALK (E2/C–901)
4. CONCRETE PAVEMENT (E1/C–901)
5. UTILITY TRENCH PAVEMENT RESTORATION (C5/C–901)
6. BIKE RACK AREA
7. BOLLARD (C6/C–900)
8. LAWN/LANDSCAPE AREA
9. LANDSCAPE STONE
10. CHAIN–LINK FENCE – NOT IN THIS CONTRACT (BY OTHERS)
11. CHAIN–LINK FENCE – INSTALLED IN THIS CONTRACT (D1/C–900)
12. 12' SWINGING GATE ENTRANCE FOR MGE INGRESS/EGRESS (D4/C–900)
13. 4' SWINGING GATE ENTRANCE (D3/C–900)
14. CONCRETE BUILDING STOOP (SEE STRUCTURAL DRAWINGS)

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TRUE NORTH PROJECT NORTH

0 2.5' 5' 10'
SCALE: 1" = 5'

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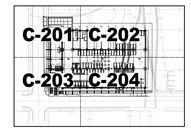
CONSULTANTS:

PROJECT TITLE:
CAPITOL EAST PARKING RAMP
211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:
CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53701-2996

ISSUE:

NO	DATE	DESCRIPTION
1	07/10/17	SITE PLAN REVIEW APPROVAL
2	07/19/17	ADDENDUM #1



KEY PLAN

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/17
DRAWN BY:	SRK
CHECKED BY:	JAL
APPROVED BY:	JAL
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
SITE DETAIL PLAN (SHEET 1 OF 4)

SHEET NUMBER:
C-201

C-301

C-302

C-303

C-304

FINISH FLOOR ELEV. = 852.00

NOTICE:
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0 10' 20' 40'
SCALE: 1" = 20'

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CONSULTANTS:

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ISSUE:

NO	DATE	DESCRIPTION
1	07/10/17	SITE PLAN REVIEW APPROVAL
2	07/19/17	ADDENDUM #1

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/17
DRAWN BY:	SRK
CHECKED BY:	JAL
APPROVED BY:	JAL
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
GRADING PLAN

SHEET NUMBER:
C-300

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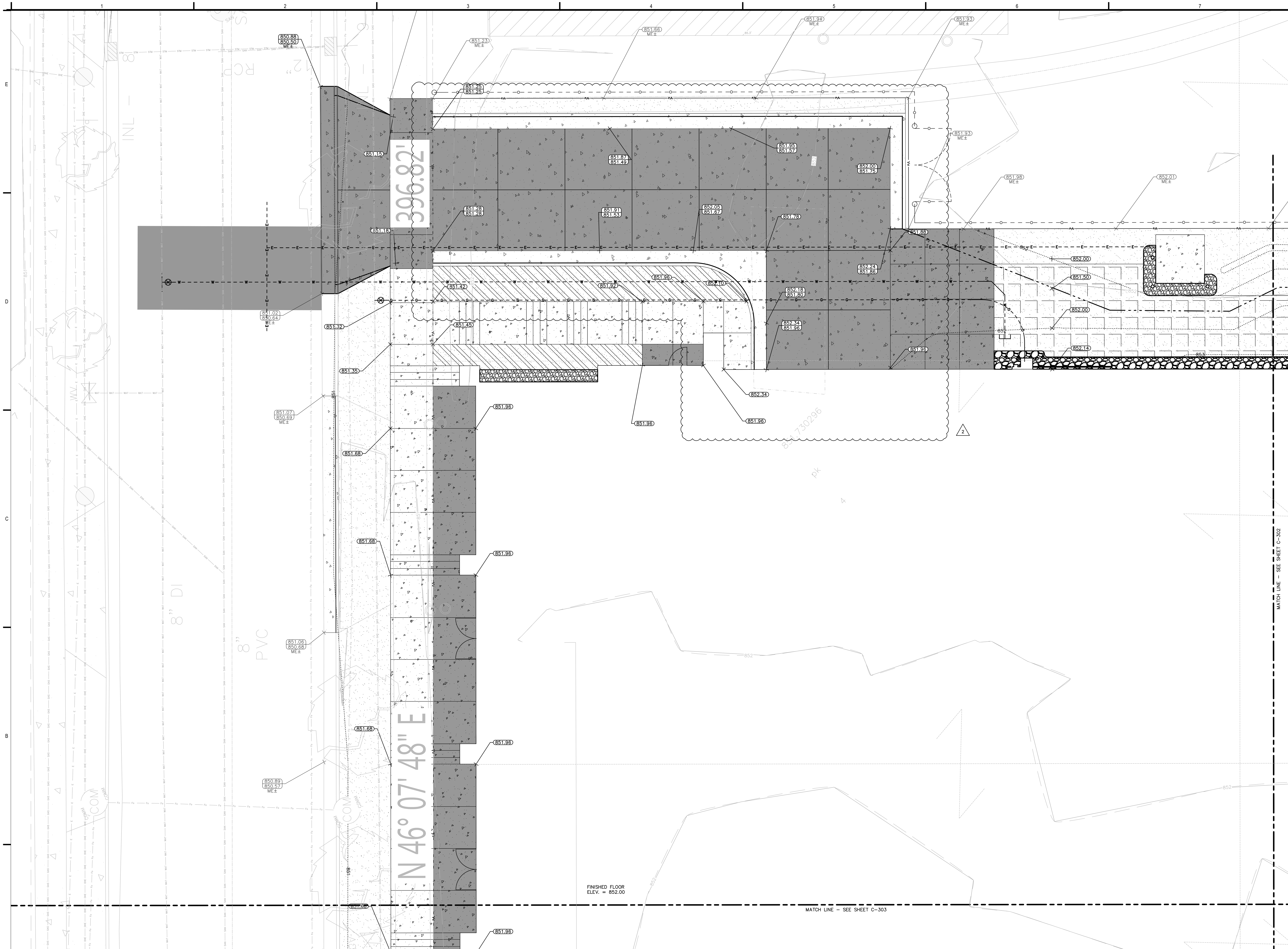

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7/19/2017 1:41 PM

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CONSULTANTS:

PROJECT TITLE:
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1	07/10/17	SITE PLAN REVIEW APPROVAL
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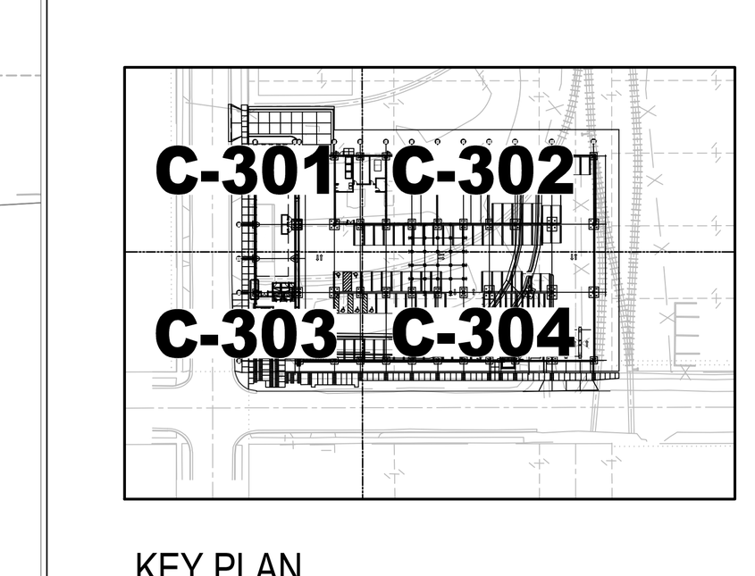


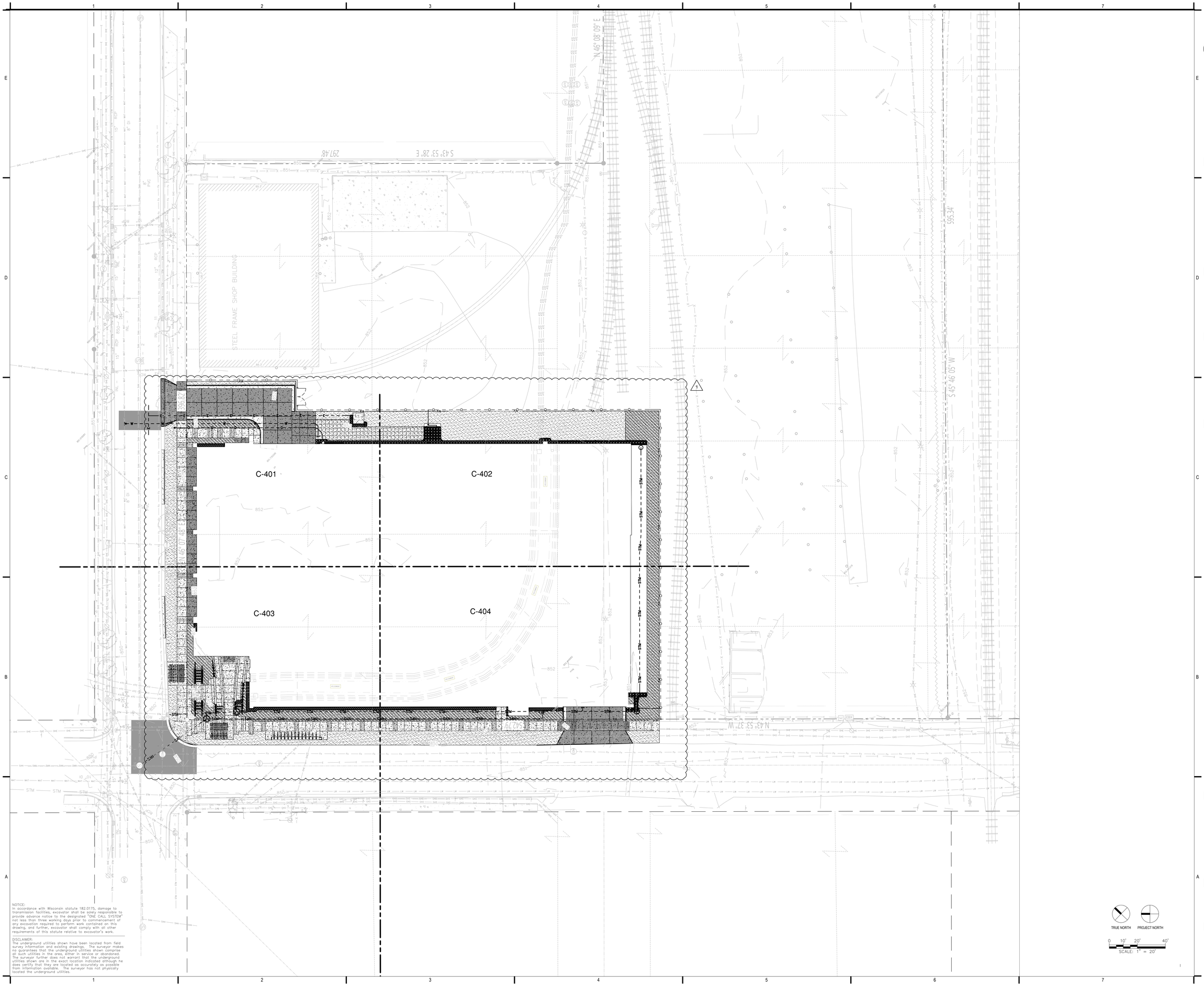
KEY PLAN

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/17
DRAWN BY:	SRK
CHECKED BY:	JAL
APPROVED BY:	JAL
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
GRADING DETAIL PLAN (SHEET 1 OF 4)

SHEET NUMBER:
C-301



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TRUE NORTH PROJECT NORTH

0 10' 20' 40'
SCALE: 1" = 20'

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PROJECT NUMBER:	2016-5051
DATE:	06/30/17
DRAWN BY:	SRK
CHECKED BY:	JAL
APPROVED BY:	JAL
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:
C-400

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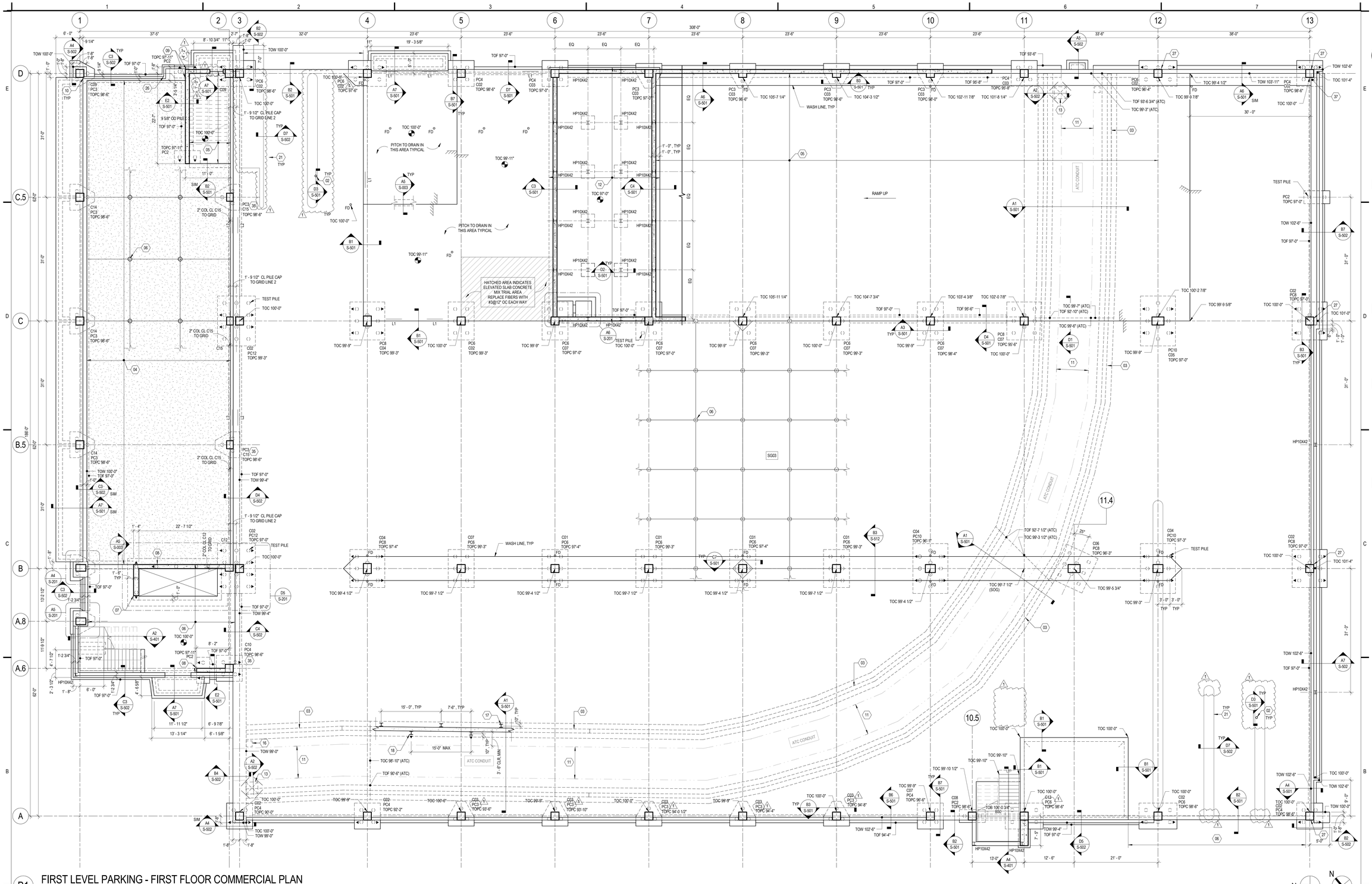


B1 FIRST LEVEL PARKING - FIRST FLOOR COMMERCIAL PLAN

1/8" = 1'-0"

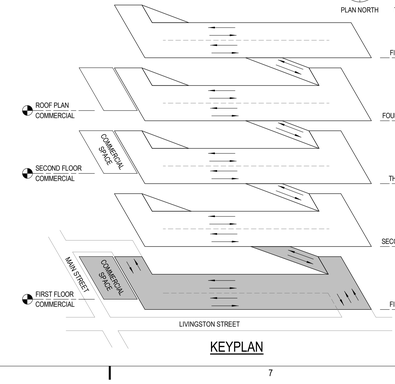
GENERAL SHEET NOTES

- TYPICAL FLOOR = 6" CONCRETE SLAB ON GRADE REINFORCED WITH 4 LB/CU YARD WR GRACE STRUX 90/40 FIBER REINFORCEMENT OR AS AN ALTERNATE 6x6-W2.9xW2.9 WWF. TOP OF CONCRETE SLAB ELEVATION VARIES. SEE PLAN.
- TYPICAL TOP OF PILE CAP ELEVATION (TOPC) TO BE NOTED ON PLAN.
- FOR FLOOR ELEVATIONS BETWEEN POINTS INDICATED USE STRAIGHT LINE INTERPOLATION.
- LEAD CONTRACTOR TO COORDINATE DRAIN TILE LATERAL CONNECTIONS THROUGH FOUNDATION WALLS. SEE PLUMBING.
- TOP OF FOUNDATION WALL/GRADE BEAM NOTED TOW X'-X" ON PLAN.
- SEE "SCHEDULES" SHEET(S) FOR PILE CAP FOOTINGS AND CONCRETE COLUMN SCHEDULES.
- SEE "GENERAL DETAILS" SHEET(S) FOR THE FOLLOWING DETAILS:
  - OPENING REINFORCEMENT
  - SLAB ON GRADE CONTROL AND CONSTRUCTION JOINT
  - WALL CONTROL AND CONSTRUCTION JOINT
  - WALL CORNER
  - WALL INTERSECTION
  - FOOTING STEP
  - SLAB ON GRADE DEPRESSION
  - CMU WALL ON SLAB ON GRADE
  - INTERIOR COLUMN ISOLATION JOINT
  - EXTERIOR COLUMN ISOLATION JOINT
  - FLOOR DRAIN AT SLAB ON GRADE
- HOOK SHEAR WALL HORIZONTAL BARS INTO COLUMNS WHERE APPLICABLE.
- = DIRECTION OF BATTERED PILE, SLOPE 1:4.

SHEET KEYNOTES

02 BOLLARD LOCATION, SEE ARCHITECTURAL FOR ALL LOCATIONS AND REFERENCE STRUCTURAL DETAILS CALLED OUT ON PLAN.
03 ATC TUNNEL, SEE "SECTION THROUGH ATC TUNNEL" FOR ATC TUNNEL INFORMATION. EXCAVATE AND EXPOSE CONDUIT PRIOR TO PILE DRIVING WITHIN 20 FEET, COORDINATE WITH SURVEYER TO DOCUMENT CONDUIT LOCATIONS FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS RELATIVE TO THE ATC TUNNEL. INFORM ENGINEER OF ANY DIFFERENCES, CONTRACTOR TO ASSUME THE TUNNEL MAY NEED TO BE RE-ALIGNED BASED ON SURVEYED LOCATION BY 10 PERCENT OF TUNNEL VOLUME AT NO ADDITIONAL COST.
04 HATCHED AREA INDICATES FUTURE SLAB ON GRADE. SUBGRADE IMPROVEMENT AND SLAB DESIGN INCLUDED IN THIS CONTRACT. SLAB ON GRADE AND VAPOR BARRIER PLACEMENT TO BE PERFORMED UNDER FUTURE CONTRACT PROVIDE 6" MINIMUM BASE COURSE BELOW FUTURE SLAB ON GRADE INCLUDED IN THIS CONTRACT.
05 AT RAMPED AREA BETWEEN GRIDLINES C AND D PRELOAD THIS AREA WITH COMPACTED FILL AND INSTALL SETTLEMENT MONITORING PLATES. ALLOW 3 TO 4 WEEKS FOR SETTLEMENT AND COORDINATE WITH SUBGRADE IMPROVEMENT ENGINEER PRIOR TO SLAB ON GRADE INSTALLATION.
06 IMPROVE SUBGRADE BELOW SLAB ON GRADE WITH RAMMED AGGREGATE PIERS. REFER TO GENERAL NOTES AND SPECIFICATIONS FOR DESIGN CRITERIA. CONTROL JOINT LAYOUT AND AGGREGATE PIER SHOP DRAWINGS AND CALCULATIONS TO BE SUBMITTED PRIOR TO INSTALLATION. IMPROVE SUBGRADE BELOW ENTRY DRIVEWAYS WITH RAMMED AGGREGATE PIERS. SEE CIVIL FOR DRIVEWAY LOCATIONS. REFER TO SPECIFICATIONS AND GENERAL NOTES FOR DESIGN CRITERIA.
07 16" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #5@12" OC HORIZONTALS.
08 12" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #4@12" OC HORIZONTALS.
09 12" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #4@12" OC HORIZONTALS.
10 DRILL AND EPOXY STOOP REINFORCING TO FOUNDATION WALL, 6" MINIMUM EMBEDMENT.
11 EXISTING ATC CONDUIT, FIELD VERIFY LOCATION. EXCAVATE AND EXPOSE CONDUIT PRIOR TO PILE DRIVING WITHIN 20 FEET, COORDINATE WITH SURVEYER TO DOCUMENT CONDUIT LOCATIONS FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS RELATIVE TO THE ATC TUNNEL. INFORM ENGINEER OF ANY DIFFERENCES.
12 10" THICK CONCRETE MAT SLAB REINFORCED IWITH #5@10" OC EACH WAY TOP AND BOTTOM. PROVIDE CRYSTALLINE WATERPROOFING ADMIXTURE.
13 ATC TUNNEL HATCH AND CASTING TO BE SET DIRECTLY ON PRECAST PLANK AND SHIM AS REQUIRED, SEE SPECIFICATIONS. PRECAST SUPPLIER TO PROVIDE HEADER AT OPENING.PROVIDE (2) #4 x 5'-0" AT CORNERS OF HATCH, TYPICAL.
16 SUMP PIT LOCATION FOR ATC TUNNEL.
17 40 TON UPLIFT PILE, TYPICAL.
18 40 TON BATTERED PILE, TYPICAL.
21 CURB LOCATION, SEE ARCHITECTURAL DRAWINGS FOR ALL LOCATIONS AND REFERENCE STRUCTURAL DETAIL CUT ON PLAN.
26 PROVIDE #5@12" OC EACH WAY AT EXTERIOR FACE OF GRADE BEAM.
27 PROVIDE PVC SLEEVES WITH CAPS AT 4" OC IN COLUMN FOR FUTURE CABLE BARRIER ABOVE CAST IN PLACE WALL.
35 CENTER PILE CAP ON GRID LINE 2.
37 PIPE PENETRATION IN PRECAST, COORDINATE WITH PLUMBING.

ELEVATION 100'-0" = 852'-0"



KEYPLAN

N PLAN NORTH
N TRUE NORTH

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CONSULTANTS:

PROJECT TITLE:
CAPITOL EAST PARKING GARAGE
211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:
CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM #1

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/2017
DRAWN BY:	JRW
CHECKED BY:	DFW
APPROVED BY:	DFW
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
FIRST LEVEL PARKING - FIRST FLOOR COMMERCIAL PLAN

SHEET NUMBER:
S-101

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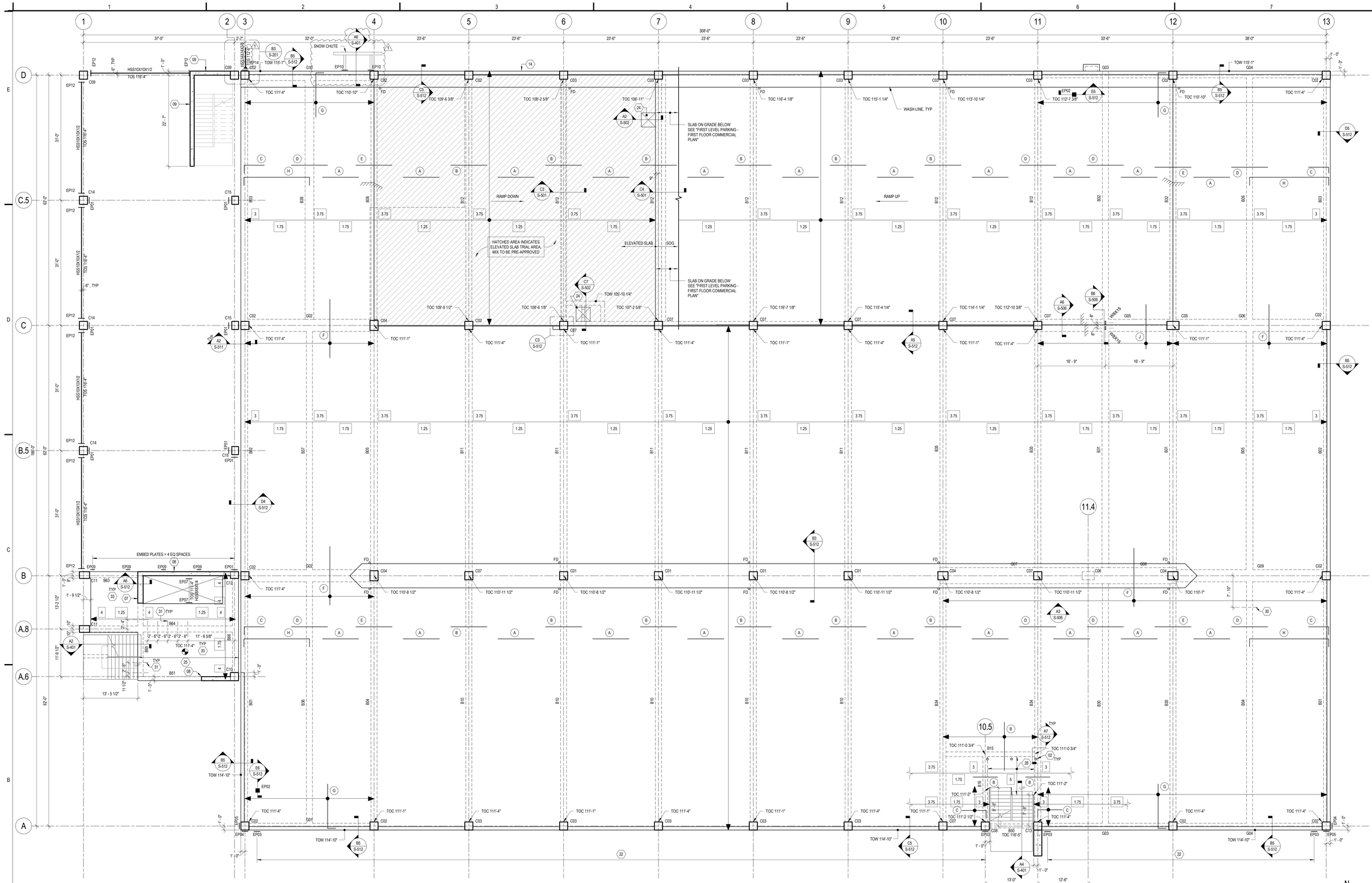


B1 SECOND LEVEL PARKING PLAN

1/8" = 1'-0"

GENERAL SHEET NOTES

- TYPICAL FLOOR = AT PARKING RAMP FLOORS PROVIDE 6" NOMINAL SLAB THICKNESS AND AT COMMERCIAL SPACE FLOORS PROVIDE 8" NOMINAL SLAB THICKNESS THROUGHOUT UNLESS NOTED OTHERWISE. ADDITIONAL THICKNESS REQUIRED AT DRAINAGE SADDLES. REQUIRED FORCE IN SLAB TENDONS EQUALS 19 KIPS PER FOOT OF SLAB WIDTH AT PARKING RAMP. REQUIRED FORCE IN SLAB TENDONS EQUALS 17 KIPS PER FOOT OF SLAB WIDTH AT COMMERCIAL SPACE. TOP OF CONCRETE SLAB NOTED TOC X'-X" ON PLAN. TOP OF BEAM IS AT TOP OF SLAB (TOC) UNLESS NOTED OTHERWISE.
- POST TENSION SEQUENCE:
  1. POST TENSION SLABS
  2. POST TENSION BEAMS
  3. POST TENSION GIRDERS
- DO NOT RELEASE FORMS UNTIL CRASH BARRIERS ARE POURED AND HARDENED.
- FOR FLOOR ELEVATIONS BETWEEN POINTS INDICATED USE STRAIGHT LINE INTERPOLATION.
- SEE "SCHEDULES" SHEET FOR POST TENSIONED CONCRETE BEAMS.
- PROVIDE EPOXY COATED REINFORCEMENT IN ACCORDANCE WITH ASTM A775 PER NOTES ON GENERAL NOTES SHEET.
- SEE "POST TENSION DETAILS" SHEETS FOR POST TENSION DETAILS.
- SEE POST TENSIONED DETAILS SHEETS AND STRUCTURAL DETAIL SHEETS FOR SEALANT DETAILS REQUIRED AND TEMPERATURE AND SHRINKAGE TENDON LAYOUT.
- SEE ELECTRICAL, PLUMBING, FIRE PROTECTION, HVAC AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATIONS OF SLAB OPENINGS AND PIPE SLEEVES. PROVIDE SLEEVES WITH DIAMETER 1" LARGER THAN CONDUIT. ALL SLEEVES TO BE SCHEDULE 40 STEEL PIPE.
- NO RECESSED AREAS IN SLAB ARE ALLOWED WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.
- THE GENERAL CONTRACTOR IS TO COORDINATE THE FINAL LOCATIONS OF CONSTRUCTION JOINTS WITH POST-TENSION SUPPLIER AND TO SUBMIT POURING AND STRESSING SEQUENCE TO ENGINEER DURING POST-TENSIONING SHOP DRAWING SUBMITTAL.
- HOOK SHEAR WALL HORIZONTAL BARS INTO COLUMNS WHERE APPLICABLE.

SHEET KEYNOTES

02 BOLLARD LOCATION. SEE ARCHITECTURAL FOR ALL LOCATIONS AND REFERENCE STRUCTURAL DETAILS CALLED OUT ON PLAN.
07 18" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #5@12" OC HORIZONTALS.
08 12" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #4@12" OC HORIZONTALS.
09 12" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #4@12" OC HORIZONTALS.
14 GROUT TEST AREA. GROUT FOUR POST TENSION LIVE ENDS. VERIFY WITH ARCHITECT AND ENGINEER GROUT COLOR MATCHES CONCRETE DECK COLOR PRIOR TO GROUTING ANY OTHER POST TENSION ENDS.
22 PROVIDE EMBED PLATE EP03 AT SLAB EDGE AT 3'-0" OC TO SUPPORT PERFORATED METAL PANELS.
24 2'-6" x 3'-6" HATCH LOCATION.
25 DRAPE TEMPERATURE AND SHRINKAGE POST TENSION TENDONS AS SHOWN, THIS BAY ONLY.
28 10" SLAB AT STAIRS WITHIN THIS BAY.
30 8" DIAMETER PLUMBING PENETRATION. CENTER THE OPENING AT 14" FROM THE BOTTOM OF BEAM. SEE "BEAM PENETRATION REINFORCEMENT DETAIL" ON SCHEDULES SHEET. VERIFY PENETRATION LOCATIONS WITH PLUMBING.
31 6"OR 8" DIAMETER MECHANICAL PENETRATIONS. CENTER THE OPENING AT 11" FROM THE BOTTOM OF BEAM. SEE "BEAM PENETRATION REINFORCEMENT DETAIL" ON SCHEDULES SHEET. VERIFY PENETRATION SIZES AND LOCATIONS WITH MECHANICAL.
33 PROVIDE #4 BARS AT 12" OC TOP AND BOTTOM EACH WAY WITH STANDARD 90 DEGREE HOOKS AT ENDS FOR 8" SLAB AT ELEVATOR CORE, WEST OF GRID LINE B.

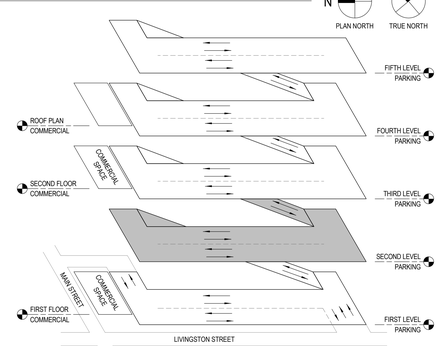
POST-TENSIONED ONE-WAY SLAB MILD REINFORCEMENT SCHEDULE

MARK	REINFORCING	NOTES
A	#4 x 1'-0" @ 16" OC BOT.	(1)
B	#4 x 1'-0" @ 16" OC TOP	
C	#4 x 5'-0" + HOOK @ 16" OC TOP	
D	#4 x 1'-0" @ 10" OC TOP	
E	#4 x 1'-0" @ 5" OC TOP	(2)
F	#4 x 12'-0" @ 10" OC TOP	
G	#4 x 6'-0" + HOOK @ 10" OC TOP	
H	#4 x CONT @ 10" OC BOTTOM	
J	#4 x 12'-0" @ 10" OC TOP	(3)

GENERAL NOTES:
1. ALL SLAB REINFORCEMENT TO BE EPOXY-COATED, SEE S001.
2. EXTENT OF MILD REINFORCEMENT IS FOR FULL WIDTH OF BUILDING UNLESS OTHERWISE NOTED.
3. BAR SCHEDULE CONTAINS MILD STEEL FOR SPAN CONDITIONS ONLY. REFER TO DETAILS FOR ADDITIONAL SLAB REINFORCING REQUIRED.
4. A CLASS B LAP MUST BE PROVIDED AT ALL SPLICES IN REINFORCEMENT MARKED AS "CONT."
5. FOR ALL BAYS CONTAINING A POUR STRIP, PROVIDE #4 X CONT. @ 10" O.C. TOP AND BOTTOM

(1) EXTEND EVERY THIRD BAR FULL SPAN, EXTEND INTO SUPPORT 6"
(2) BEND BARS TO MATCH SLOPE.
(3) BEND BARS TO MATCH SLAB STEP MATCH SLOPE.

N PLAN NORTH N TRUE NORTH



KEYPLAN

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CONSULTANTS:

PROJECT TITLE:
CAPITOL EAST PARKING GARAGE
211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:
CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM #1

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/2017
DRAWN BY:	JRW
CHECKED BY:	DFW
APPROVED BY:	DFW
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
SECOND LEVEL PARKING PLAN

SHEET NUMBER:
S-102

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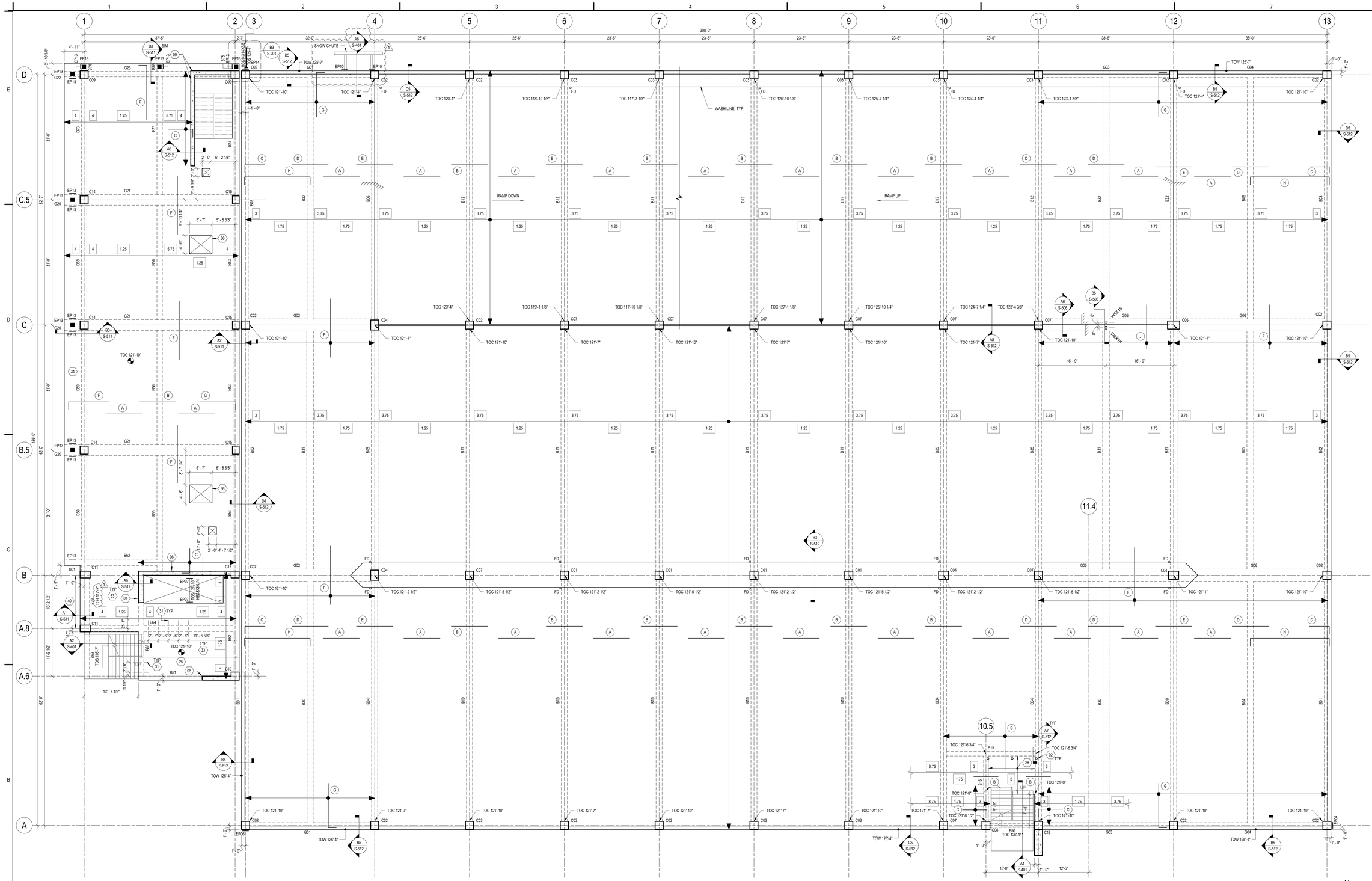


B1 THIRD LEVEL PARKING - SECOND FLOOR COMMERCIAL PLAN

1/8" = 1'-0"

GENERAL SHEET NOTES

- TYPICAL FLOOR = AT PARKING RAMP FLOORS PROVIDE 6" NOMINAL SLAB THICKNESS AND AT COMMERCIAL SPACE FLOORS PROVIDE 8" NOMINAL SLAB THICKNESS THROUGHOUT UNLESS NOTED OTHERWISE ADDITIONAL THICKNESS REQUIRED AT DRAINAGE SADDLES. REQUIRED FORCE IN SLAB TENDONS EQUALS 19 KIPS PER FOOT OF SLAB WIDTH AT PARKING RAMP. REQUIRED FORCE IN SLAB TENDONS EQUALS 17 KIPS PER FOOT OF SLAB WIDTH AT COMMERCIAL SPACE. TOP OF CONCRETE SLAB NOTED TOC X'-X" ON PLAN. TOP OF BEAM IS AT TOP OF SLAB (TOC) UNLESS NOTED OTHERWISE.
- POST TENSION SEQUENCE:
  1. POST TENSION SLABS
  2. POST TENSION BEAMS
  3. POST TENSION GIRDERS
- DO NOT RELEASE FORMS UNTIL CRASH BARRIERS ARE POURED AND HARDENED.
- FOR FLOOR ELEVATIONS BETWEEN POINTS INDICATED USE STRAIGHT LINE INTERPOLATION.
- SEE "SCHEDULES" SHEET FOR POST TENSIONED CONCRETE BEAMS.
- PROVIDE EPOXY COATED REINFORCEMENT IN ACCORDANCE WITH ASTM A775 PER NOTES ON GENERAL NOTES SHEET.
- SEE "POST TENSION DETAILS" SHEETS FOR POST TENSION DETAILS.
- SEE POST TENSIONED DETAILS SHEETS AND STRUCTURAL DETAIL SHEETS FOR SEALANT DETAILS REQUIRED AND TEMPERATURE AND SHRINKAGE TENDON LAYOUT.
- SEE ELECTRICAL, PLUMBING, FIRE PROTECTION, HVAC AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATIONS OF SLAB OPENINGS AND PIPE SLEEVES. PROVIDE SLEEVES WITH DIAMETER 1" LARGER THAN CONDUIT. ALL SLEEVES TO BE SCHEDULE 40 STEEL PIPE.
- NO RECESSED AREAS IN SLAB ARE ALLOWED WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.
- THE GENERAL CONTRACTOR IS TO COORDINATE THE FINAL LOCATIONS OF CONSTRUCTION JOINTS WITH POST-TENSION SUPPLIER AND TO SUBMIT POURING AND STRESSING SEQUENCE TO ENGINEER DURING POST-TENSIONING SHOP DRAWING SUBMITTAL.
- HOOK SHEAR WALL HORIZONTAL BARS INTO COLUMNS WHERE APPLICABLE.

SHEET KEYNOTES

02 BOLLARD LOCATION, SEE ARCHITECTURAL FOR ALL LOCATIONS AND REFERENCE STRUCTURAL DETAILS CALLED OUT ON PLAN.
07 16" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #5@12" OC HORIZONTALS.
08 12" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #4@12" OC HORIZONTALS.
09 12" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #4@12" OC HORIZONTALS.
25 DRAPE TEMPERATURE AND SHRINKAGE POST TENSION TENDONS AS SHOWN, THIS BAY ONLY.
28 10" SLAB AT STAIRS WITHIN THIS BAY.
31 6"OR 8" DIAMETER MECHANICAL PENETRATIONS. CENTER THE OPENING AT 11" FROM THE BOTTOM OF BEAM. SEE "BEAM PENETRATION REINFORCEMENT DETAIL" ON SCHEDULES SHEET. VERIFY PENETRATION SIZES AND LOCATIONS WITH MECHANICAL.
33 PROVIDE #4 BARS AT 12" OC TOP AND BOTTOM EACH WAY WITH STANDARD 90 DEGREE HOOKS AT ENDS FOR 8" SLAB AT ELEVATOR CORE, WEST OF GRID LINE B.
34 PROVIDE (1) TEMPURATURE AND SHRINKAGE TENDON TENSIONED AT 26.7 KIPS, 20" FROM EDGE OF CANTILEVER.
36 FUTURE MECHANICAL OPENING, REINFORCE PER "TYPICAL OPENINGS IN POST-TENSION SLABS" DETAIL ON TYPICAL POST TENSION DETAILS SHEET. PROVIDE #4@12" OC BOTTOM EACH WAY THROUGHOUT FUTURE OPENING, EXTEND BARS 20" PAST EDGE OF FUTURE OPENING.
40 PROVIDE EMBED PLATE EP17 AT 2'-0" OC MAX SPACING FOR THIS LOCATION.

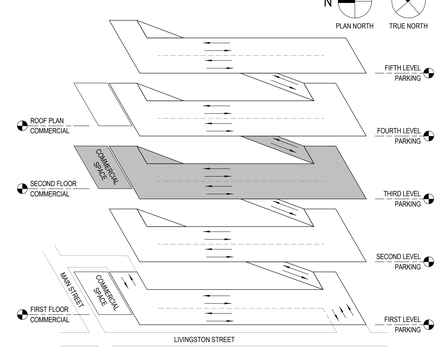
POST-TENSIONED ONE-WAY SLAB MILD REINFORCEMENT SCHEDULE

MARK	REINFORCING	NOTES
A	#4 x 11'-0" @ 16" OC BOT.	1
B	#4 x 11'-0" @ 16" OC TOP	
C	#4 x 5'-0" + HOOK @ 16" OC TOP	
D	#4 x 11'-0" @ 10" OC TOP	
E	#4 x 11'-0" @ 5" OC TOP	2
F	#4 x 12'-0" @ 10" OC TOP	
G	#4 x 6'-0" + HOOK @ 10" OC TOP	
H	#4 x CONT @ 10" OC BOTTOM	
J	#4 x 12'-0" @ 10" OC TOP	3

GENERAL NOTES:
1. ALL SLAB REINFORCEMENT TO BE EPOXY-COATED, SEE S001.
2. EXTENT OF MILD REINFORCEMENT IS FOR FULL WIDTH OF BUILDING UNLESS OTHERWISE NOTED.
3. BAR SCHEDULE CONTAINS MILD STEEL FOR SPAN CONDITIONS ONLY. REFER TO DETAILS FOR ADDITIONAL SLAB REINFORCING REQUIRED.
4. A CLASS B LAP MUST BE PROVIDED AT ALL SPLICES IN REINFORCEMENT MARKED AS "CONT."
5. FOR ALL BAYS CONTAINING A POUR STRIP, PROVIDE #4 X CONT. @ 10" O.C. TOP AND BOTTOM

1. EXTEND EVERY THIRD BAR FULL SPAN, EXTEND INTO SUPPORT 6"
2. BEND BARS TO MATCH SLOPE.
3. BEND BARS TO MATCH SLAB STEP MATCH SLOPE.

N PLAN NORTH N TRUE NORTH



KEYPLAN

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CONSULTANTS:

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MUNIS NUMBER 1627
CONTRACT NUMBER 7951

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MADISON, WISCONSIN 53801-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM #1

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/2017
DRAWN BY:	JRW
CHECKED BY:	DFW
APPROVED BY:	DFW
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
THIRD LEVEL PARKING - SECOND FLOOR COMMERCIAL PLAN

SHEET NUMBER:
S-103

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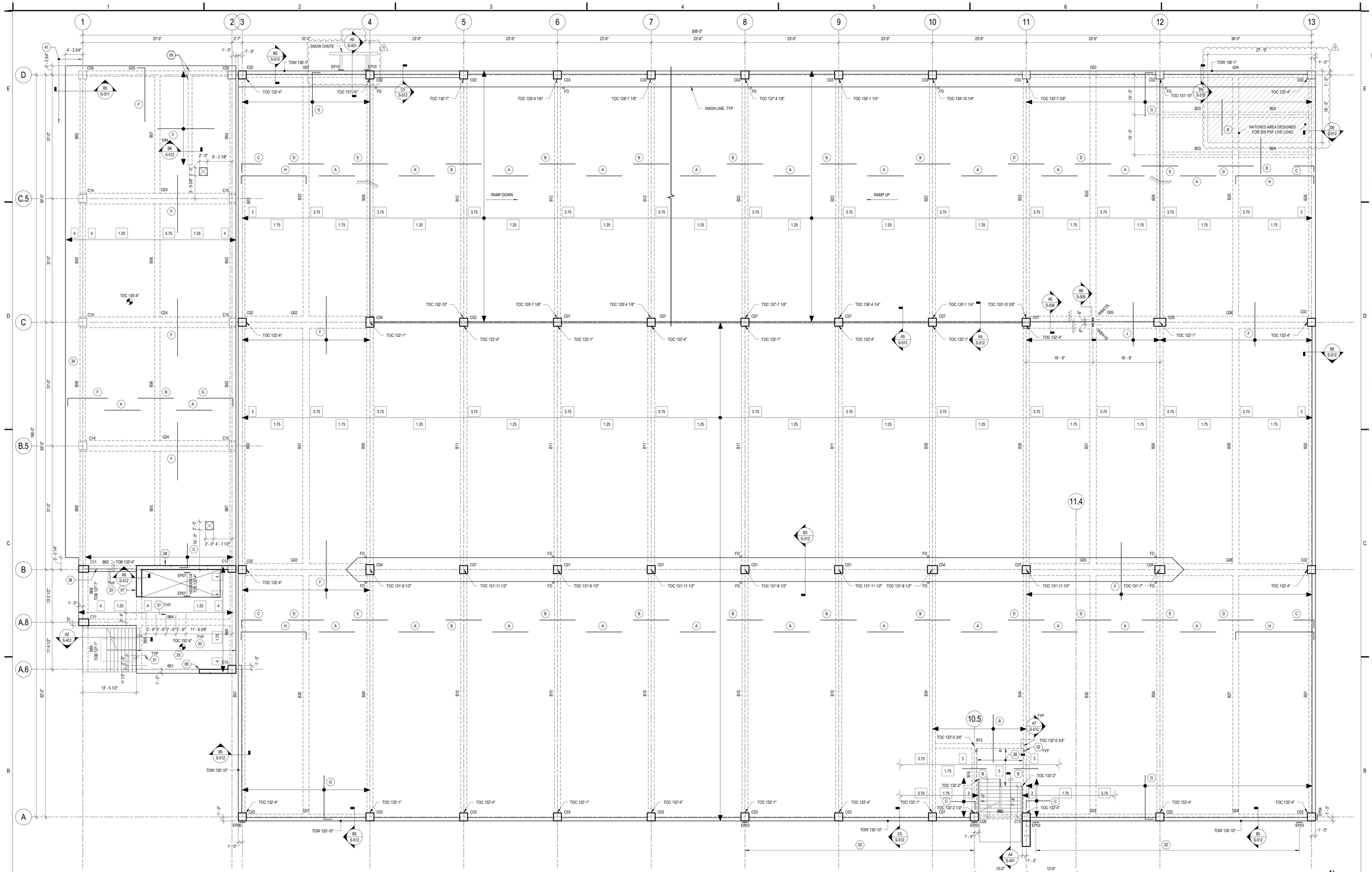


B1 FOURTH LEVEL PARKING PLAN - COMMERCIAL ROOF PLAN

1/8" = 1'-0"

N PLAN NORTH

N TRUE NORTH

GENERAL SHEET NOTES

- TYPICAL FLOOR = AT PARKING RAMP FLOORS PROVIDE 6" NOMINAL SLAB THICKNESS AND AT COMMERCIAL SPACE FLOORS PROVIDE 8" NOMINAL SLAB THICKNESS THROUGHOUT UNLESS NOTED OTHERWISE ADDITIONAL THICKNESS REQUIRED AT DRAINAGE SADDLES. REQUIRED FORCE IN SLAB TENDONS EQUALS 19 KIPS PER FOOT OF SLAB WIDTH AT PARKING RAMP. REQUIRED FORCE IN SLAB TENDONS EQUALS 17 KIPS PER FOOT OF SLAB WIDTH AT COMMERCIAL SPACE. TOP OF CONCRETE SLAB NOTED TOC X'-X" ON PLAN. TOP OF BEAM IS AT TOP OF SLAB (TOC) UNLESS NOTED OTHERWISE.
- POST TENSION SEQUENCE:
  1. POST TENSION SLABS
  2. POST TENSION BEAMS
  3. POST TENSION GIRDERS
- DO NOT RELEASE FORMS UNTIL CRASH BARRIERS ARE POURED AND HARDENED.
- FOR FLOOR ELEVATIONS BETWEEN POINTS INDICATED USE STRAIGHT LINE INTERPOLATION.
- SEE "SCHEDULES" SHEET FOR POST TENSIONED CONCRETE BEAMS.
- PROVIDE EPOXY COATED REINFORCEMENT IN ACCORDANCE WITH ASTM A775 PER NOTES ON GENERAL NOTES SHEET.
- SEE "POST TENSION DETAILS" SHEETS FOR POST TENSION DETAILS.
- SEE POST TENSIONED DETAILS SHEETS AND STRUCTURAL DETAIL SHEETS FOR SEALANT DETAILS REQUIRED AND TEMPERATURE AND SHRINKAGE TENDON LAYOUT.
- SEE ELECTRICAL, PLUMBING, FIRE PROTECTION, HVAC AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATIONS OF SLAB OPENINGS AND PIPE SLEEVES. PROVIDE SLEEVES WITH DIAMETER 1" LARGER THAN CONDUIT. ALL SLEEVES TO BE SCHEDULE 40 STEEL PIPE
- NO RECESSED AREAS IN SLAB ARE ALLOWED WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.
- THE GENERAL CONTRACTOR IS TO COORDINATE THE FINAL LOCATIONS OF CONSTRUCTION JOINTS WITH POST-TENSION SUPPLIER AND TO SUBMIT POURING AND STRESSING SEQUENCE TO ENGINEER DURING POST-TENSIONING SHOP DRAWING SUBMITTAL.
- HOOK SHEAR WALL HORIZONTAL BARS INTO COLUMNS WHERE APPLICABLE.

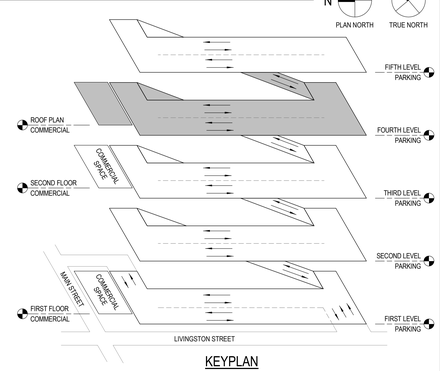
SHEET KEYNOTES

02 BOLLARD LOCATION, SEE ARCHITECTURAL FOR ALL LOCATIONS AND REFERENCE STRUCTURAL DETAILS CALLED OUT ON PLAN.
07 16" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #5@12" OC HORIZONTALS.
08 12" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #4@12" OC HORIZONTALS.
09 12" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #4@12" OC HORIZONTALS.
22 PROVIDE EMBED PLATE EP03 AT SLAB EDGE AT 3'-0" OC TO SUPPORT PERFORATED METAL PANELS.
25 DRAPE TEMPERATURE AND SHRINKAGE POST TENSION TENDONS AS SHOWN, THIS BAY ONLY.
28 10" SLAB AT STAIRS WITHIN THIS BAY.
31 6"OR 8" DIAMETER MECHANICAL PENETRATIONS, CENTER THE OPENING AT 11" FROM THE BOTTOM OF BEAM. SEE "BEAM PENETRATION REINFORCEMENT DETAIL" ON SCHEDULES SHEET. VERIFY PENETRATION SIZES AND LOCATIONS WITH MECHANICAL.
33 PROVIDE #4 BARS AT 12" OC TOP AND BOTTOM EACH WAY WITH STANDARD 90 DEGREE HOOKS AT ENDS FOR 8" SLAB AT ELEVATOR CORE, WEST OF GRID LINE B.
34 PROVIDE (1) TEMPURATURE AND SHRINKAGE TENDON TENSIONED AT 26.7 KIPS, 20" FROM EDGE OF CANTILEVER.
38 (3) #5@6" OC BOTTOM.
41 PROVIDE EMBED PLATE EP15 AT EDGE OF SLAB AT CORNER WINDOW, 2'-0" OC MAX SPACING.

POST-TENSIONED ONE-WAY SLAB MILD REINFORCEMENT SCHEDULE		
MARK	REINFORCING	NOTES
A	#4 x 11'-0" @ 16" OC BOT.	1
B	#4 x 11'-0" @ 16" OC TOP	
C	#4 x 5'-0" + HOOK @ 16" OC TOP	
D	#4 x 11'-0" @ 10" OC TOP	
E	#4 x 11'-0" @ 5" OC TOP	2
F	#4 x 12'-0" @ 10" OC TOP	
G	#4 x 6'-0" + HOOK @ 10" OC TOP	
H	#4 x CONT @ 10" OC BOTTOM	
J	#4 x 12'-0" @ 10" OC TOP	3

GENERAL NOTES:
1. ALL SLAB REINFORCEMENT TO BE EPOXY-COATED, SEE S001.
2. EXTENT OF MILD REINFORCEMENT IS FOR FULL WIDTH OF BUILDING UNLESS OTHERWISE NOTED.
3. BAR SCHEDULE CONTAINS MILD STEEL FOR SPAN CONDITIONS ONLY. REFER TO DETAILS FOR ADDITIONAL SLAB REINFORCING REQUIRED.
4. A CLASS B LAP MUST BE PROVIDED AT ALL SPLICES IN REINFORCEMENT MARKED AS "CONT."
5. FOR ALL BAYS CONTAINING A POUR STRIP, PROVIDE #4 X CONT. @ 10" O.C. TOP AND BOTTOM

1 EXTEND EVERY THIRD BAR FULL SPAN, EXTEND INTO SUPPORT 6"
2 BEND BARS TO MATCH SLOPE.
3 BEND BARS TO MATCH SLAB STEP MATCH SLOPE.



KEYPLAN

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CONSULTANTS:

PROJECT TITLE:
CAPITOL EAST PARKING GARAGE
211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:
CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM #1

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/2017
DRAWN BY:	JRW
CHECKED BY:	DFW
APPROVED BY:	DFW
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
FOURTH LEVEL PARKING - COMMERCIAL ROOF PLAN

SHEET NUMBER:
S-104

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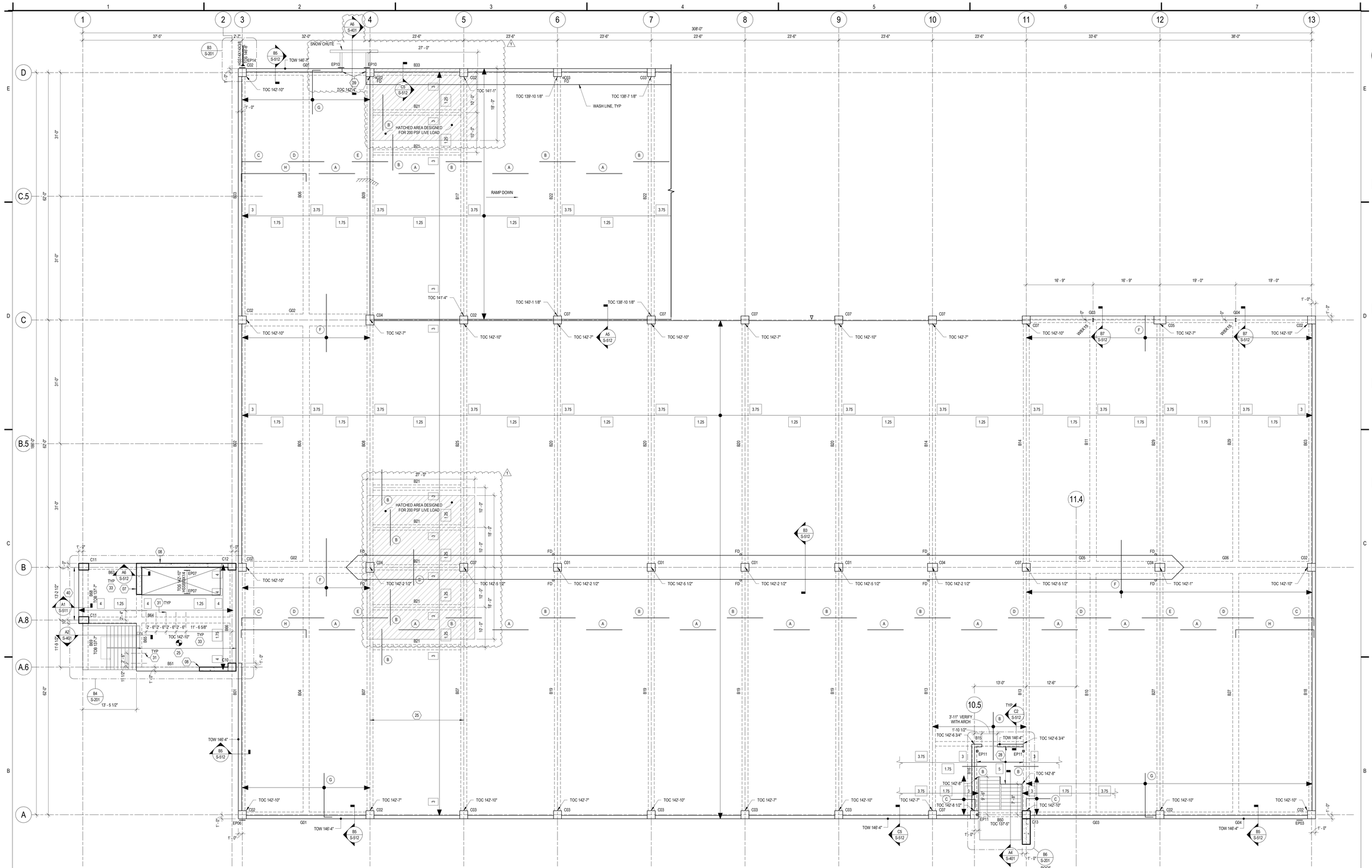


B1 FIFTH LEVEL PARKING

1/8" = 1'-0"

GENERAL SHEET NOTES

- TYPICAL FLOOR = AT PARKING RAMP FLOORS PROVIDE 6" NOMINAL SLAB THICKNESS AND AT COMMERCIAL SPACE FLOORS PROVIDE 8" NOMINAL SLAB THICKNESS THROUGHOUT UNLESS NOTED OTHERWISE ADDITIONAL THICKNESS REQUIRED AT DRAINAGE SADDLES. REQUIRED FORCE IN SLAB TENDONS EQUALS 19 KIPS PER FOOT OF SLAB WIDTH AT PARKING RAMP. REQUIRED FORCE IN SLAB TENDONS EQUALS 17 KIPS PER FOOT OF SLAB WIDTH AT COMMERCIAL SPACE. TOP OF CONCRETE SLAB NOTED TOC X'-X" ON PLAN. TOP OF BEAM IS AT TOP OF SLAB (TOC) UNLESS NOTED OTHERWISE.
- POST TENSION SEQUENCE:
  1. POST TENSION SLABS
  2. POST TENSION BEAMS
  3. POST TENSION GIRDERS
- DO NOT RELEASE FORMS UNTIL CRASH BARRIERS ARE POURED AND HARDENED.
- FOR FLOOR ELEVATIONS BETWEEN POINTS INDICATED USE STRAIGHT LINE INTERPOLATION.
- SEE "SCHEDULES" SHEET FOR POST TENSIONED CONCRETE BEAMS.
- PROVIDE EPOXY COATED REINFORCEMENT IN ACCORDANCE WITH ASTM A775 PER NOTES ON GENERAL NOTES SHEET.
- SEE "POST TENSION DETAILS" SHEETS FOR POST TENSION DETAILS.
- SEE POST TENSIONED DETAILS SHEETS AND STRUCTURAL DETAIL SHEETS FOR SEALANT DETAILS REQUIRED AND TEMPERATURE AND SHRINKAGE TENDON LAYOUT.
- SEE ELECTRICAL, PLUMBING, FIRE PROTECTION, HVAC AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATIONS OF SLAB OPENINGS AND PIPE SLEEVES. PROVIDE SLEEVES WITH DIAMETER 1" LARGER THAN CONDUIT. ALL SLEEVES TO BE SCHEDULE 40 STEEL PIPE.
- NO RECESSED AREAS IN SLAB ARE ALLOWED WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.
- THE GENERAL CONTRACTOR IS TO COORDINATE THE FINAL LOCATIONS OF CONSTRUCTION JOINTS WITH POST-TENSION SUPPLIER AND TO SUBMIT POURING AND STRESSING SEQUENCE TO ENGINEER DURING POST-TENSIONING SHOP DRAWING SUBMITTAL.
- HOOK SHEAR WALL HORIZONTAL BARS INTO COLUMNS WHERE APPLICABLE.

SHEET KEYNOTES

07 16" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #6@12" OC HORIZONTALS.
08 12" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #4@12" OC HORIZONTALS.
25 DRAPE TEMPERATURE AND SHRINKAGE POST TENSION TENDONS AS SHOWN, THIS BAY ONLY.
28 10" SLAB AT STAIRS WITHIN THIS BAY.
31 8"OR 8" DIAMETER MECHAINCAL PENETRATIONS. CENTER THE OPENING AT 11" FROM THE BOTTOM OF BEAM. SEE "BEAM PENETRATION REINFORCEMENT DETAIL" ON SCHEDULES SHEET. VERIFY PENETRATION SIZES AND LOCATIONS WITH MECHANICAL.
33 PROVIDE #4 BARS AT 12" OC TOP AND BOTTOM EACH WAY WITH STANDARD 90 DEGREE HOOKS AT ENDS FOR 8" SLAB AT ELEVATOR CORE, WEST OF GRID LINE B.
39 PROVIDE 3/8" x 4" x 4" STAINLESS STEEL VERTICAL ANGLES IN THE CRASH BARRIER WALL AT SNOW CHUTE OPENING WITH 6" x 1/2" HEADED STUDS AT 8" OC.
40 PROVIDE EMBED PLATE EP17 AT 2'-0" OC MAX SPACING FOR THIS LOCATION.

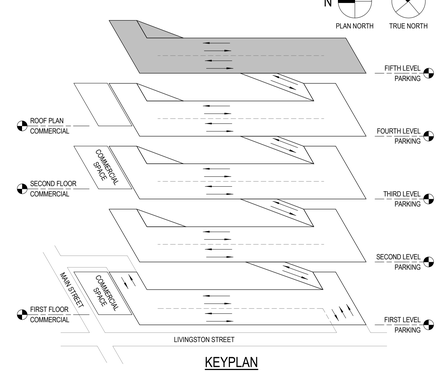
POST-TENSIONED ONE-WAY SLAB MILD REINFORCEMENT SCHEDULE

MARK	REINFORCING	NOTES
A	#4 x 11'-0" @ 16" OC BOT.	1
B	#4 x 11'-0" @ 16" OC TOP	
C	#4 x 5'-0" + HOOK @ 16" OC TOP	
D	#4 x 11'-0" @ 10" OC TOP	
E	#4 x 11'-0" @ 5" OC TOP	2
F	#4 x 12'-0" @ 10" OC TOP	
G	#4 x 6'-0" + HOOK @ 10" OC TOP	
H	#4 x CONT @ 10" OC BOTTOM	
J	#4 x 12'-0" @ 10" OC TOP	3

GENERAL NOTES:
1. ALL SLAB REINFORCEMENT TO BE EPOXY-COATED, SEE 5001.
2. EXTENT OF MILD REINFORCEMENT IS FOR FULL WIDTH OF BUILDING UNLESS OTHERWISE NOTED.
3. BAR SCHEDULE CONTAINS MILD STEEL FOR SPAN CONDITIONS ONLY. REFER TO DETAILS FOR ADDITIONAL SLAB REINFORCING REQUIRED.
4. A CLASS B LAP MUST BE PROVIDED AT ALL SPLICES IN REINFORCEMENT MARKED AS "CONT."
5. FOR ALL BAYS CONTAINING A POUR STRIP, PROVIDE #4 X CONT. @ 10" O.C. TOP AND BOTTOM

1. EXTEND EVERY THIRD BAR FULL SPAN, EXTEND INTO SUPPORT 6"
2. BEND BARS TO MATCH SLOPE.
3. BEND BARS TO MATCH SLAB STEP MATCH SLOPE.

N PLAN NORTH N TRUE NORTH



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DRAWN BY:	JRW
CHECKED BY:	DFW
APPROVED BY:	DFW
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
FIFTH LEVEL PARKING PLAN

SHEET NUMBER:
S-105

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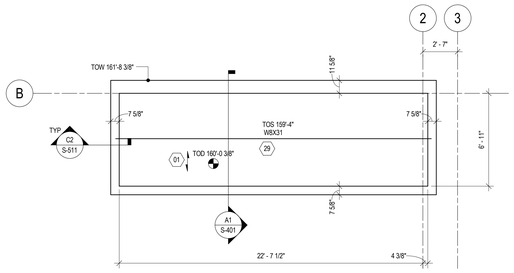
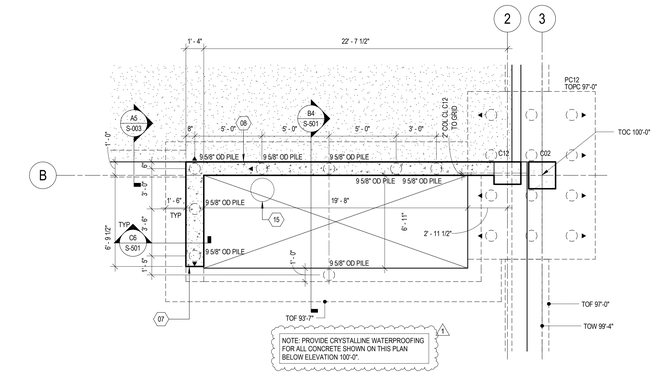


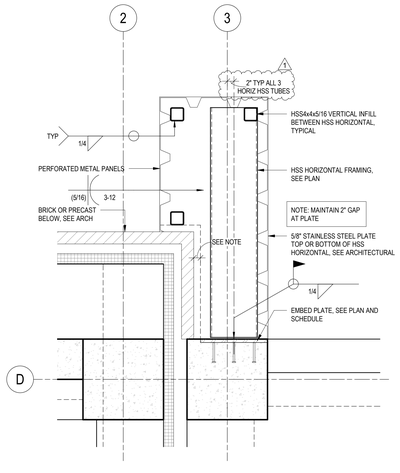
D3 ELEVATOR ROOF FRAMING PLAN

1/4" = 1'-0"



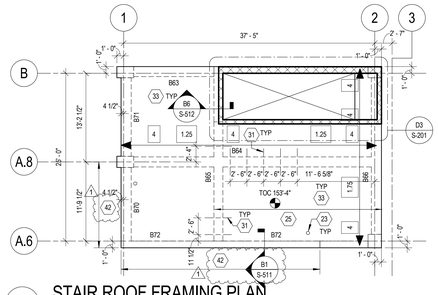
D5 ELEVATOR FOUNDATION PLAN

1/4" = 1'-0"



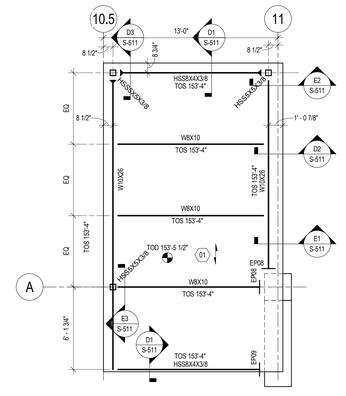
B3 ENLARGED PLAN DETAIL AT SCREEN WALL

3/4" = 1'-0"



B4 STAIR ROOF FRAMING PLAN

1/8" = 1'-0"



B6 STAIR ROOF FRAMING PLAN

1/4" = 1'-0"

GENERAL SHEET NOTES

FOUNDATION NOTES

- TYPICAL FLOOR = 6" CONCRETE SLAB ON GRADE REINFORCED WITH 4 LB/CU YARD WR GRACE STRUX 90/40 FIBER REINFORCEMENT OR AS AN ALTERNATE 6x6-W2.9xW2.9 WWF. TOP OF CONCRETE SLAB ELEVATION VARIES, SEE PLAN.
- TYPICAL TOP OF PILE CAP ELEVATION (TOPC) TO BE NOTED ON PLAN.
- FOR FLOOR ELEVATIONS BETWEEN POINTS INDICATED USE STRAIGHT LINE INTERPOLATION.
- LEAD CONTRACTOR TO COORDINATE DRAIN TILE LATERAL CONNECTIONS THROUGH FOUNDATION WALLS, SEE PLUMBING.
- TOP OF FOUNDATION WALL/GRADE BEAM NOTED TOW X'-X" ON PLAN.
- SEE "SCHEDULES" SHEET(S) FOR PILE CAP FOOTINGS AND CONCRETE COLUMN SCHEDULES.
- SEE "GENERAL DETAILS" SHEET(S) FOR THE FOLLOWING DETAILS:
  - OPENING REINFORCEMENT
  - SLAB ON GRADE CONTROL AND CONSTRUCTION JOINT
  - WALL CONTROL AND CONSTRUCTION JOINT
  - WALL CORNER
  - WALL INTERSECTION
  - FOOTING STEP
  - SLAB ON GRADE DEPRESSION
  - CMU WALL ON SLAB ON GRADE
  - INTERIOR COLUMN ISOLATION JOINT
  - EXTERIOR COLUMN ISOLATION JOINT
  - FLOOR DRAIN AT SLAB ON GRADE
- HOOK SHEAR WALL HORIZONTAL BARS INTO COLUMNS WHERE APPLICABLE.
- ◌▸ = DIRECTION OF BATTERED PILE, SLOPE 1:4.

ROOF DECK NOTES

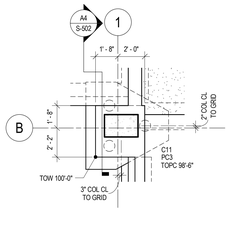
- TOP OF STEEL ELEVATION = NOTED ON PLAN.
- TYPICAL ROOF = 1 1/2" x 18 GAGE METAL ROOF DECK.
- REFER TO PLUMBING DRAWINGS FOR ROOF DRAIN LOCATIONS.
- PROVIDE MECHANICAL SUBFRAME FOR ALL DUCT PENETRATIONS THROUGH ROOF. COORDINATE SIZE AND LOCATION WITH MECHANICAL CONTRACTOR.
- BEAMS SHALL BE EQUALLY SPACED IN A BAY UNLESS NOTED OTHERWISE ON PLAN.
- SEE "GENERAL DETAILS" SHEET(S) FOR THE FOLLOWING DETAILS:
  - ROOF DRAIN SUBFRAME
  - MECHANICAL SUBFRAME
  - ROOF PERIMETER EDGE ANGLE OR BENT PLATE SPLICE
  - EDGE CONDITION AT DECK OPENING OR EDGES

POST TENSION NOTES

- TYPICAL FLOOR = AT PARKING RAMP FLOORS PROVIDE 6" NOMINAL SLAB THICKNESS AND AT COMMERCIAL SPACE FLOORS PROVIDE 8" NOMINAL SLAB THICKNESS THROUGHOUT UNLESS NOTED OTHERWISE ADDITIONAL THICKNESS REQUIRED AT DRAINAGE SADDLES. REQUIRED FORCE IN SLAB TENDONS EQUALS 19 KIPS PER FOOT OF SLAB WIDTH AT PARKING RAMP. REQUIRED FORCE IN SLAB TENDONS EQUALS 17 KIPS PER FOOT OF SLAB WIDTH AT COMMERCIAL SPACE. TOP OF CONCRETE SLAB NOTED TOC X'-X" ON PLAN. TOP OF BEAM IS AT TOP OF SLAB (TOC) UNLESS NOTED OTHERWISE.
- POST TENSION SEQUENCE:
  1. POST TENSION SLABS
  2. POST TENSION BEAMS
  3. POST TENSION GIRDERS
- DO NOT RELEASE FORMS UNTIL CRASH BARRIERS ARE POURED AND HARDENED.
- FOR FLOOR ELEVATIONS BETWEEN POINTS INDICATED USE STRAIGHT LINE INTERPOLATION.
- SEE "SCHEDULES" SHEET FOR POST TENSIONED CONCRETE BEAMS.
- PROVIDE EPOXY COATED REINFORCEMENT IN ACCORDANCE WITH ASTM A775 PER NOTES ON GENERAL NOTES SHEET.
- SEE "POST TENSION DETAILS" SHEETS FOR POST TENSION DETAILS.
- SEE POST TENSIONED DETAILS SHEETS AND STRUCTURAL DETAIL SHEETS FOR SEALANT DETAILS REQUIRED AND TEMPERATURE AND SHRINKAGE TENDON LAYOUT.
- SEE ELECTRICAL, PLUMBING, FIRE PROTECTION, HVAC AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATIONS OF SLAB OPENINGS AND PIPE SLEEVES. PROVIDE SLEEVES WITH DIAMETER 1" LARGER THAN CONDUIT. ALL SLEEVES TO BE SCHEDULE 40 STEEL PIPE.
- NO RECESSED AREAS IN SLAB ARE ALLOWED WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER.
- THE GENERAL CONTRACTOR IS TO COORDINATE THE FINAL LOCATIONS OF CONSTRUCTION JOINTS WITH POST-TENSION SUPPLIER AND TO SUBMIT POURING AND STRESSING SEQUENCE TO ENGINEER DURING POST-TENSIONING SHOP DRAWING SUBMITTAL.
- HOOK SHEAR WALL HORIZONTAL BARS INTO COLUMNS WHERE APPLICABLE.

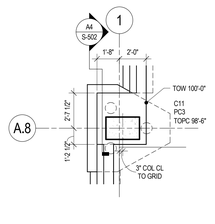
SHEET KEYNOTES

01 1 1/2" x 18 GAGE ROOF DECK.
07 16" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #5@12" OC HORIZONTALS.
08 12" SHEAR WALL REINFORCED WITH (2) CURTAINS OF #5@12" OC VERTICALS AND #4@12" OC HORIZONTALS.
15 SUMP PIT FOR ELEVATOR. COORDINATE LOCATION WITH ELEVATOR PROVIDER AND PLUMBING. SEE " SUMP PIT DETAIL" ON FOUNDATION DETAILS SHEET.
19 2'-6" WIDE x 2'-0" HIGH OPENING AT BOTTOM OF BAFFLE WALL.
23 PREFABRICATED ROOF ANCHORDAVIT. COORDINATE WITH OWNER'S VENDOR.
25 DRAPE TEMPERATURE AND SHRINKAGE POST TENSION TENDONS AS SHOWN, THIS BAY ONLY.
29 ELEVATOR HOIST BEAM. COORDINATE WITH ELEVATOR SUPPLIER.
31 6"OR 8" DIAMETER MECHANICAL PENETRATIONS, CENTER THE OPENING AT 11" FROM THE BOTTOM OF BEAM. SEE "BEAM PENETRATION REINFORCEMENT DETAIL" ON SCHEDULES SHEET. VERIFY PENETRATION SIZES AND LOCATIONS WITH MECHANICAL.
33 PROVIDE #4 BARS AT 12" OC TOP AND BOTTOM EACH WAY WITH STANDARD 90 DEGREE HOOKS AT ENDS FOR 8" SLAB AT ELEVATOR CORE, WEST OF GRID LINE B.
1 42 PROVIDE EMBED PLATE EP18 AT 3'-0" OC AT EDGE OF SLAB TO SUPPORT PARAPET FRAMING.



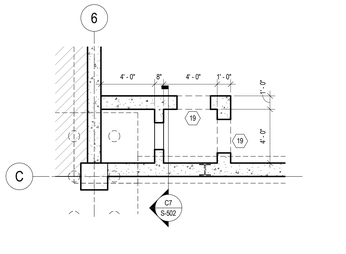
A4 ENLARGED PLAN

1/4" = 1'-0"



A5 ENLARGED PLAN

1/4" = 1'-0"



A6 ENLARGED PLAN

1/4" = 1'-0"

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DATE:	06/30/2017
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CHECKED BY:	DFW
APPROVED BY:	DFW
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
ENLARGED PLANS

SHEET NUMBER:
S-201

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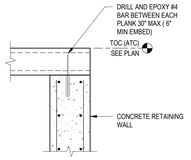
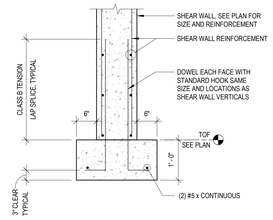
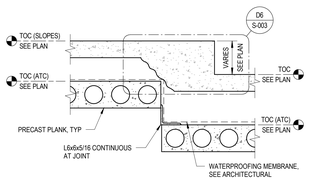


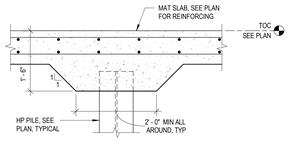
E1 PLANK AT WALL DETAIL
3/4" = 1'-0"



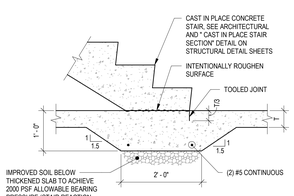
E2 SHEAR WALL DOWELS
3/4" = 1'-0"



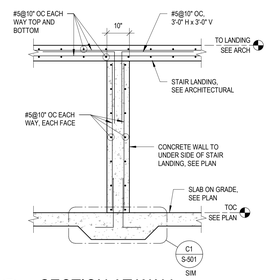
D1 ATC TUNNEL STEP SECTION
3/4" = 1'-0"



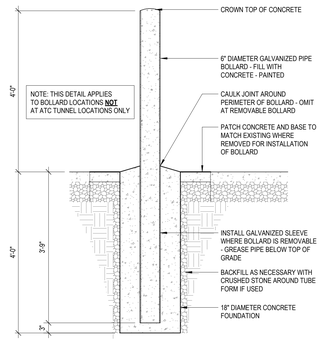
D2 SECTION AT HP PILE
3/4" = 1'-0"



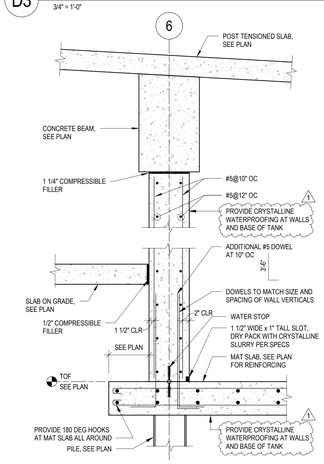
C1 THICKENED SLAB AT STAIR
3/4" = 1'-0"



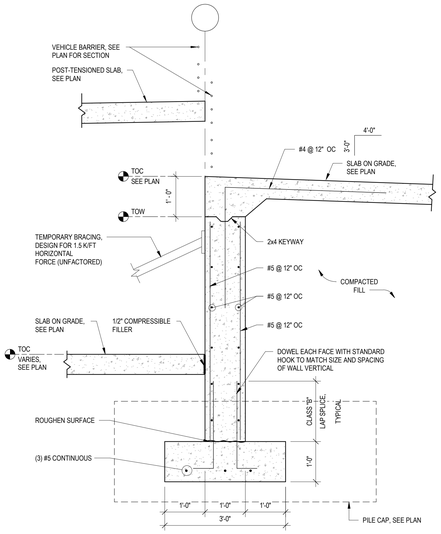
C2 SECTION AT WALL
1/2" = 1'-0"



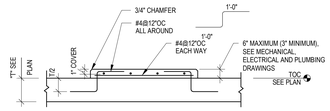
D3 BOLLARD DETAIL AT GRADE
3/4" = 1'-0"



C3 SECTION AT WATER TANK WALL
3/4" = 1'-0"



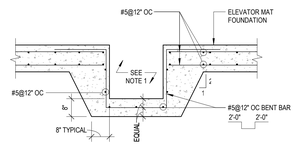
D4 SECTION AT RAMP
3/4" = 1'-0"



NOTES: ALL LOCATIONS AND DIMENSIONS SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR

SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR LOCATIONS AND DIMENSIONS OF PADS.

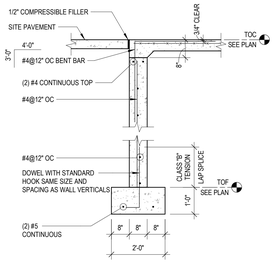
E6 TYPICAL PAD SECTIONS
1/2" = 1'-0"



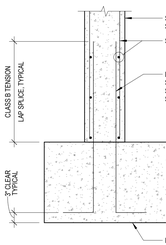
NOTES:

1. SUMP PIT. COORDINATE DEPTH, SIZE AND LOCATION WITH PLUMBING DRAWINGS.

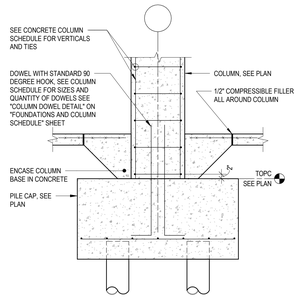
D6 SUMP PIT DETAIL
1/2" = 1'-0"



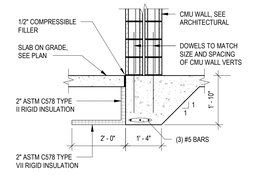
D7 SECTION
1/2" = 1'-0"



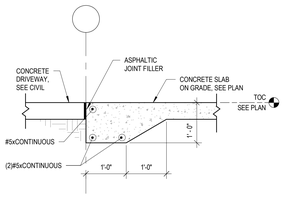
C6 SHEAR WALL DOWELS
3/4" = 1'-0"



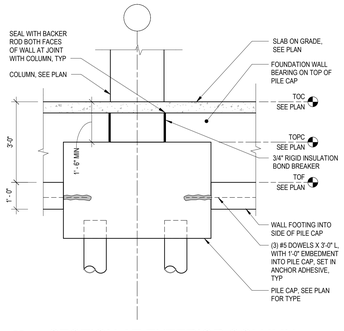
C7 INTERIOR DETAIL AT COLUMN
1/2" = 1'-0"



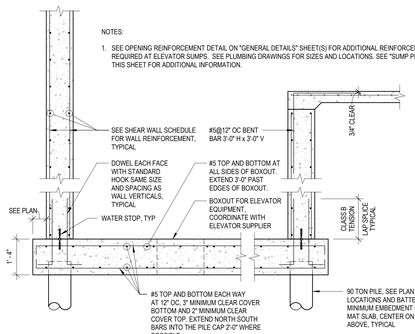
B1 DETAIL AT TURNED DOWN SLAB
1/2" = 1'-0"



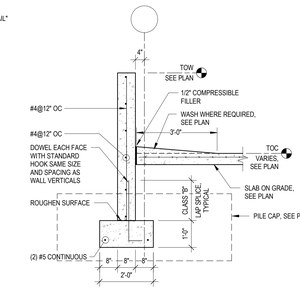
B2 SLAB ON GRADE AT RAMP ENTRANCES
3/4" = 1'-0"



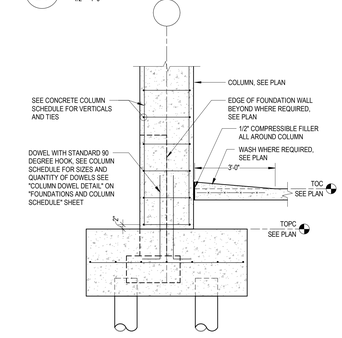
B3 SECTION AT EXTERIOR COLUMN
1/2" = 1'-0"



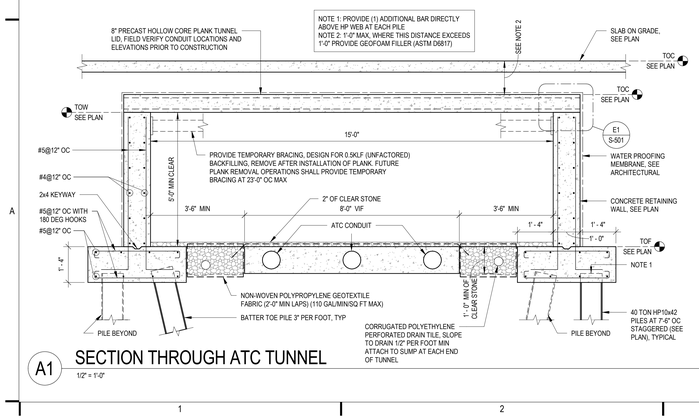
B4 SECTION AT ELEVATOR PIT
1/2" = 1'-0"



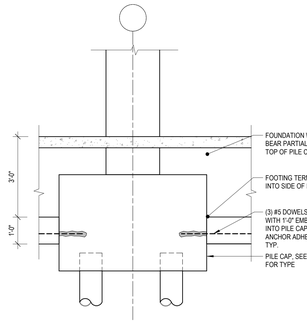
B6 TYPICAL PERIMETER DETAIL
1/2" = 1'-0"



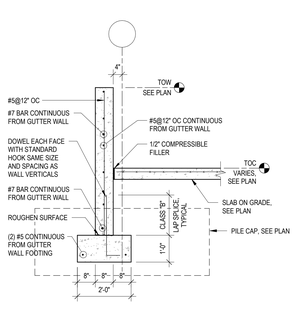
B7 PERIMETER DETAIL AT COLUMN
1/2" = 1'-0"



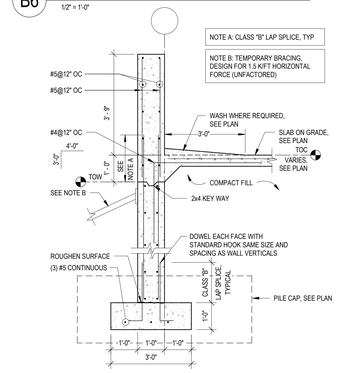
A1 SECTION THROUGH ATC TUNNEL
1/2" = 1'-0"



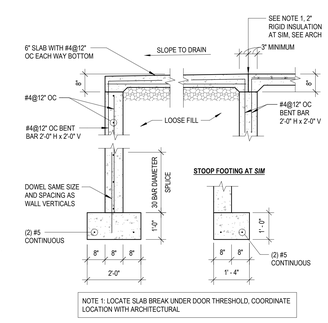
A3 SECTION AT INTERIOR COLUMN/WALL
1/2" = 1'-0"



A4 SOUTH WALL PERIMETER DETAIL
1/2" = 1'-0"



A6 SECTION AT PERIMETER RAMP WALL
1/2" = 1'-0"



A7 TYPICAL STOOP DETAIL
1/2" = 1'-0"

GRAEF
5126 West Terrace Drive,
Suite 111
Madison, WI 53718-8346
608 / 242 1550
608 / 242 0787 fax
www.graef-usa.com

CONSULTANTS:

PROJECT TITLE:
CAPITOL EAST PARKING GARAGE
211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:
CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM #1

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/2017
DRAWN BY:	JRW
CHECKED BY:	DFW
APPROVED BY:	DFW
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
FOUNDATION DETAILS

SHEET NUMBER:
S-501

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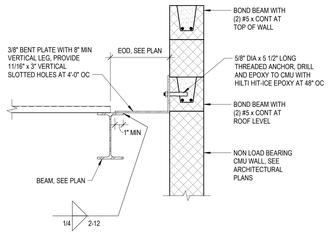
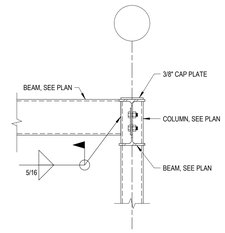
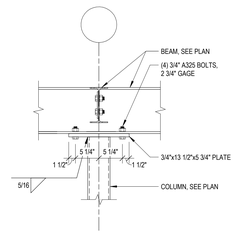


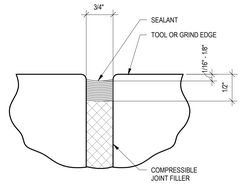
E1 WIDE FLANGE BEAM AT CMU WALL
1" = 1'-0"



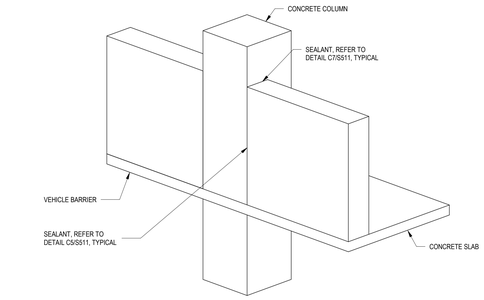
E2 WIDE FLANGE BEAM AT HSS
1" = 1'-0"



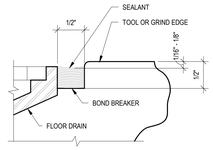
E3 WIDE FLANGE BEAM AT HSS
1" = 1'-0"



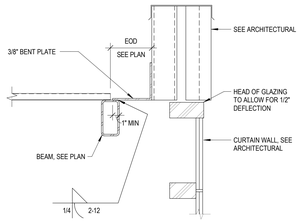
C5 SEALANT DETAIL
12" = 1'-0"



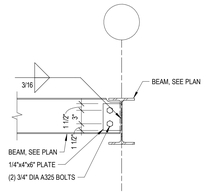
E5 SEALANT ISOMETRIC EXTERIOR COLUMN DETAIL
3/8" = 1'-0"



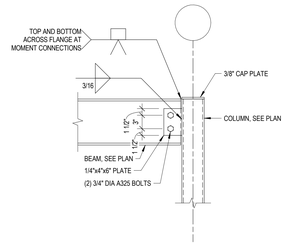
E7 SEALANT DETAIL
12" = 1'-0"



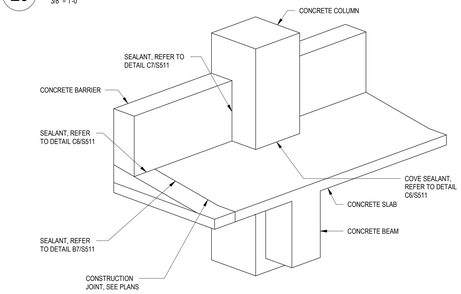
D1 EXTERIOR WALL AT HSS
1" = 1'-0"



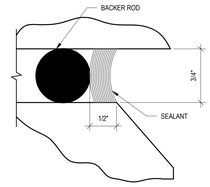
D2 WIDE FLANGE CONNECTION
1" = 1'-0"



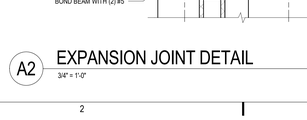
D3 WIDE FLANGE BEAM AT HSS
1" = 1'-0"



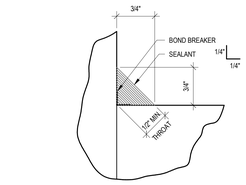
D5 SEALANT ISOMETRIC EXTERIOR COLUMN DETAIL
3/8" = 1'-0"



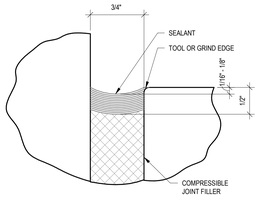
D7 SEALANT DETAIL (VERTICAL JOINT)
12" = 1'-0"



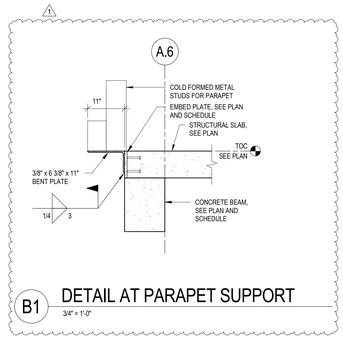
C2 BEAM AT CMU DETAIL
3/4" = 1'-0"



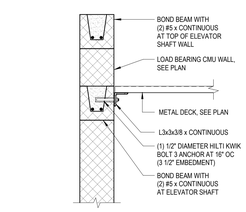
C6 SEALANT DETAIL
12" = 1'-0"



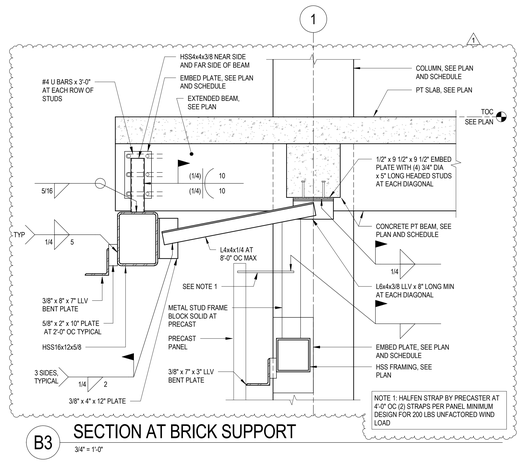
C7 SEALANT DETAIL
12" = 1'-0"



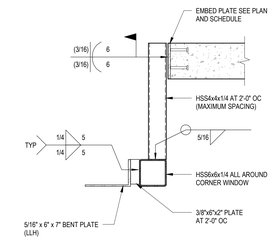
B1 DETAIL AT PARAPET SUPPORT
3/4" = 1'-0"



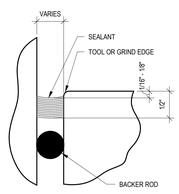
B2 METAL DECK AT CMU WALL DETAIL
1" = 1'-0"



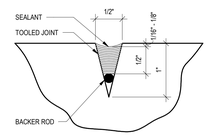
B3 SECTION AT BRICK SUPPORT
3/4" = 1'-0"



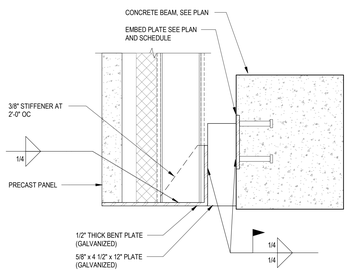
B5 HSS AT CORNER WINDOW
1" = 1'-0"



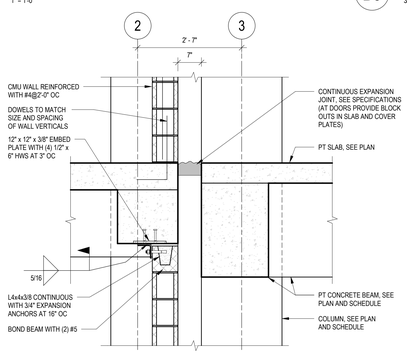
B6 SEALANT DETAIL
12" = 1'-0"



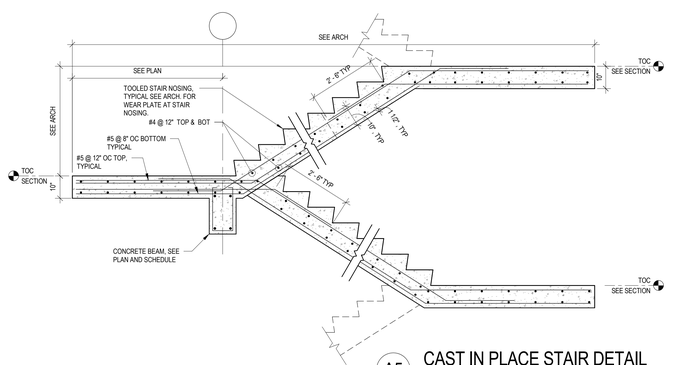
B7 SEALANT DETAIL
12" = 1'-0"



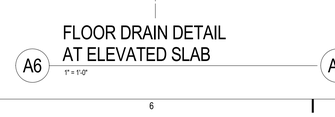
A1 PRECAST SUPPORT AT BEAM
1 1/2" = 1'-0"



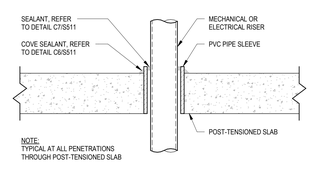
A2 EXPANSION JOINT DETAIL
3/4" = 1'-0"



A5 CAST IN PLACE STAIR DETAIL
1/2" = 1'-0"



A6 FLOOR DRAIN DETAIL AT ELEVATED SLAB
1" = 1'-0"



A7 PIPE SLEEVE / SUPPORT DETAIL
1 1/2" = 1'-0"

GRÄEF
5126 West Terrace Drive,
Suite 111
Madison, WI 53718-8346
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608 / 242 0787 fax
www.graef-usa.com

CONSULTANTS:

PROJECT TITLE:
CAPITOL EAST PARKING GARAGE
211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:
CITY OF MADISON PARKING UTILITY
215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM #1

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/2017
DRAWN BY:	JRW
CHECKED BY:	DFW
APPROVED BY:	DFW
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
STRUCTURAL DETAILS

SHEET NUMBER:
S-511

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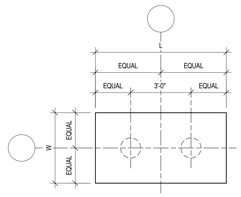
CONCRETE PILE CAP SCHEDULE

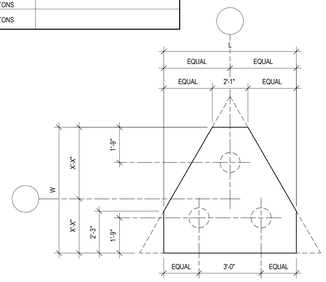
MARK	NUMBER OF PILES	SIZE LENGTH, L	SIZE WIDTH, W	SIZE DEPTH, D	REINFORCEMENT	PILE ALLOWABLE LOAD	REMARKS
PC2	2	6'-6"	3'-6"	3'-3"	(4) #9 BOTTOM LONG (5) #4 BOTTOM SHORT	90 TONS	
PC3	3	6'-6	6'-2"	3'-4"	(3) #9 BOTTOM THREE WAYS	90 TONS	
PC4	4	6'-6"	6'-6"	3'-2"	(6) #10 BOTTOM EACH WAY	90 TONS	
PC6	6	9'-6"	6'-6"	3'-10"	(11) #9 BOTTOM LONG (10) #10 BOTTOM SHORT	90 TONS	
PC8	8	9'-6"	8'-9"	4'-0"	(11) #10 BOTTOM EACH WAY	90 TONS	
PC10	10	12'-6"	8'-9"	4'-3"	(14) #10 BOTTOM EACH WAY	90 TONS	
PC12	12	12'-6"	9'-6"	4'-9"	(14) #10 TOP SHORT (8) #10 TOP LONG	90 TONS	

CONCRETE PILE CAP SCHEDULE NOTES:

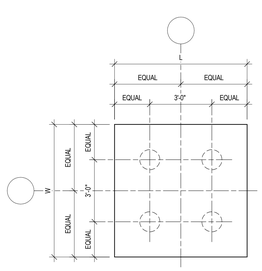
1. ALL BOTTOM REINFORCING SHALL HAVE STANDARD 180 DEGREE HOOKS EACH END.
2. PILE CAP REINFORCING PLACING ORDER:
   LONG BARS BOTTOM
   SHORT BARS BOTTOM
3. SEE TYPICAL PILE CAP ELEVATION FOR INFORMATION PERTAINING TO PILE CAP SCHEDULE.
4. SEE GRAPHICAL PILE TYPE KEY FOR PILE ALLOWABLE LOADS.
5. SEE TYPICAL UPLIFT PILE ELEVATION FOR REQUIREMENTS AT UPLIFT PILES.
6. UNLESS SHOWN OTHERWISE ON PLAN, ALL PILE CAP CENTERLINES ARE ON COLUMN GRID LINES.



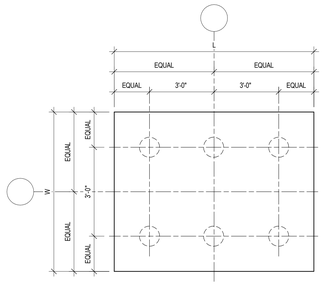
PC2



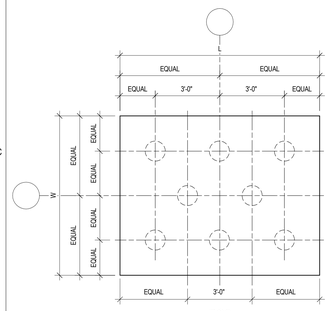
PC3



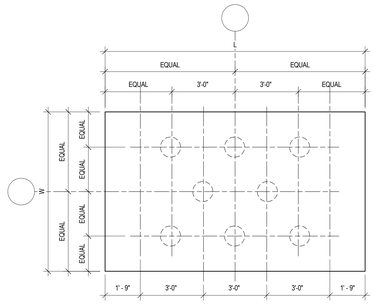
PC4



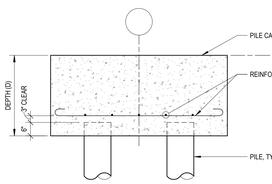
PC6



PC8



PC10

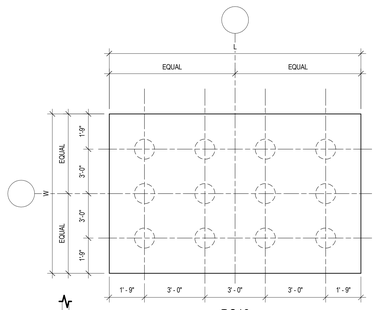


NOTES:

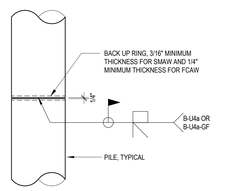
1. REFER TO DETAILS AND SCHEDULES FOR REQUIRED DOWELS IN PILE CAPS.

TYPICAL PILE CAP ELEVATION

1/2" = 1'-0"

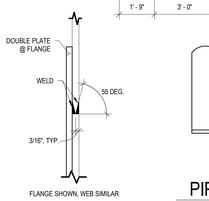


PC12



TYPICAL PIPE PILE CAP SPLICE

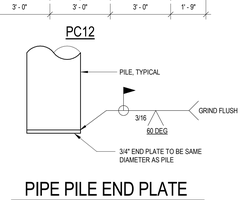
1" = 1'-0"



FLANGE SHOWN, WEB SIMILAR

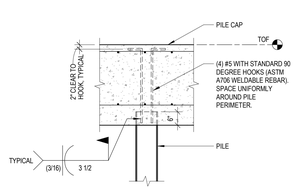
HP WELD DETAIL

3" = 1'-0"



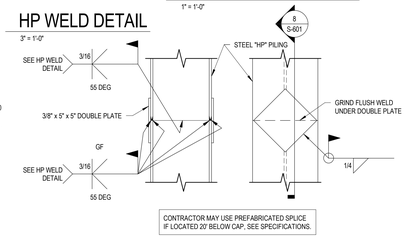
PIPE PILE END PLATE

1" = 1'-0"



TYPICAL UPLIFT HP PILE ELEVATION

1/2" = 1'-0"

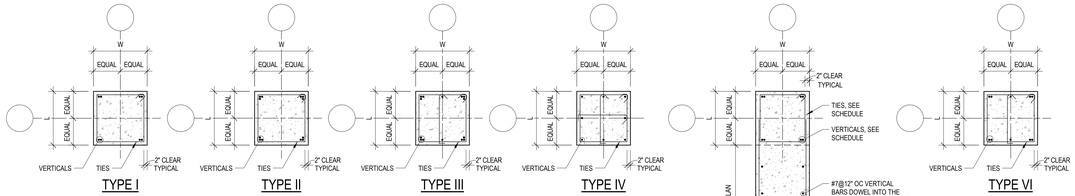


TYPICAL STEEL HP PILE SPLICE

1" = 1'-0"

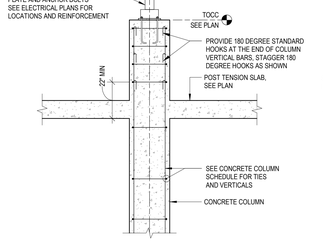
CONCRETE COLUMN SCHEDULE

LEVEL \ MARK		C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15
TOCC FIFTH LEVEL									TOC RAMP STAIR 153'-4"		TOC LOBBY STAIR 153'-4"	TOC LOBBY STAIR 153'-4"	TOC LOBBY STAIR 153'-4"	TOC RAMP STAIR 153'-4"		
SEE PLAN	SIZE (WxL)	24" x 24"	24" x 24"	24" x 24"	24" x 30"	24" x 36"		24" x 24"	24" x 24"		24" x 24"	20" x 30"	20" x 24"	24" x 24"	24" x 24"	20" x 24"
	VERTICALS	(8) #11	(12) #11	(8) #11	(12) #11	(12) #11		(12) #11	(8) #11		(8) #8	(8) #8	(8) #8	(12) #11	(10) #11	(10) #11
	TIES	#4@9" OC	#4@6" OC	#4@5" OC	#4@6" OC	#4@9" OC		#4@4" OC	#4@12" OC		#3@9" OC	#3@9" OC	#3@9" OC	#4@12" OC	#4@9" OC	#4@6" OC
	TYPE	I	II	II	II	II		II	I		IV	IV	IV	V	VI	VI
TOCC FOURTH LEVEL	CONCRETE STRENGTH (PSI)	6000	6000	6000	6000	6000		6000	6000		6000	6000	6000	6000	6000	6000
132'-4"	SIZE (WxL)	24" x 24"	24" x 24"	24" x 24"	24" x 30"	24" x 36"		24" x 24"	24" x 24"	24" x 24"	24" x 24"	20" x 30"	20" x 24"	24" x 24"	24" x 24"	20" x 24"
	VERTICALS	(8) #11	(12) #11	(8) #11	(12) #11	(12) #11		(12) #11	(8) #11	(8) #8	(8) #8	(8) #8	(8) #8	(12) #11	(10) #11	(10) #11
	TIES	#4@9" OC	#4@6" OC	#4@5" OC	#4@9" OC	#4@9" OC		#4@5" OC	#4@12" OC	#3@9" OC	#3@9" OC	#3@9" OC	#3@9" OC	#4@12" OC	#4@9" OC	#4@6" OC
	TYPE	I	II	II	II	II		II	I	IV	IV	IV	IV	V	VI	VI
TOCC THIRD LEVEL	CONCRETE STRENGTH (PSI)	6000	6000	6000	6000	6000		6000	6000	6000	6000	6000	6000	6000	6000	6000
121'-10"	SIZE (WxL)	24" x 24"	24" x 24"	24" x 24"	24" x 30"	24" x 36"		24" x 24"	24" x 24"	24" x 24"	24" x 24"	20" x 30"	20" x 24"	24" x 24"	24" x 24"	20" x 24"
	VERTICALS	(8) #11	(12) #11	(8) #11	(12) #11	(12) #11		(12) #11	(8) #11	(8) #8	(8) #8	(8) #8	(8) #8	(12) #11	(10) #11	(10) #11
	TIES	#4@9" OC	#4@6" OC	#4@5" OC	#4@9" OC	#4@9" OC		#4@5" OC	#4@12" OC	#3@9" OC	#3@9" OC	#3@9" OC	#3@9" OC	#4@12" OC	#4@9" OC	#4@6" OC
	TYPE	I	II	II	II	II		II	I	IV	IV	IV	IV	V	VI	VI
TOCC SECOND LEVEL	CONCRETE STRENGTH (PSI)	6000	6000	6000	6000	6000		6000	6000	6000	6000	6000	6000	6000	6000	6000
111'-4"	SIZE (WxL)	24" x 24"	24" x 24"	24" x 24"	24" x 30"	24" x 36"	24" x 36"	24" x 24"	24" x 24"	24" x 24"	24" x 24"	20" x 30"	20" x 24"	24" x 24"	24" x 24"	20" x 24"
	VERTICALS	(8) #11	(12) #11	(8) #11	(12) #11	(12) #11	(14) #11	(12) #11	(8) #11	(8) #8	(8) #8	(8) #8	(8) #8	(12) #11	(10) #11	(10) #11
	TIES	#4@9" OC	#4@6" OC	#4@5" OC	#4@9" OC	#4@9" OC	#4@9" OC	#4@5" OC	#4@12" OC	#3@9" OC	#3@9" OC	#3@9" OC	#3@9" OC	#4@12" OC	#4@9" OC	#4@6" OC
	TYPE	I	II	II	II	II	III	II	I	IV	IV	IV	IV	V	VI	VI
TOCC FIRST LEVEL	CONCRETE STRENGTH (PSI)	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
100'-0"	SIZE (WxL)	24" x 24"	24" x 24"	24" x 24"	24" x 30"	24" x 36"	24" x 36"	24" x 24"	24" x 24"	24" x 24"	24" x 24"	20" x 30"	20" x 24"	24" x 24"	24" x 24"	20" x 24"
	VERTICALS	(8) #11	(12) #11	(8) #11	(12) #11	(12) #11	(14) #11	(12) #11	(8) #11	(8) #8	(8) #8	(8) #8	(8) #8	(12) #11	(10) #11	(10) #11
	TIES	#4@9" OC	#4@6" OC	#4@5" OC	#4@9" OC	#4@9" OC	#4@9" OC	#4@5" OC	#4@12" OC	#3@9" OC	#3@9" OC	#3@9" OC	#3@9" OC	#4@12" OC	#4@9" OC	#4@6" OC
	TYPE	I	II	II	II	II	III	II	I	IV	IV	IV	IV	V	VI	VI
TOF	CONCRETE STRENGTH (PSI)	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
SEE PLAN																SEE NOTE 7



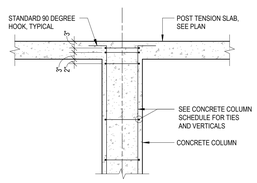
CONCRETE COLUMN SCHEDULE NOTES:

1. SEE TYPICAL COLUMN DIAGRAM DETAIL THIS SHEET FOR INFORMATION PERTAINING TO COLUMN SCHEDULE.
2. SEE CONCRETE COLUMN STRENGTH EXTENTS DETAIL THIS SHEET FOR COLUMN/SLAB INTERFACE.
3. FOR ELEVATIONS OF COLUMNS SEE SCHEDULE UNLESS NOTED ON PLAN.
4. SEE POST TENSION DETAILS" SHEET FOR ADDITIONAL TIES REQUIRED AT BEAM COLUMN INTERSECTION.
5. SEE "TOP OF COLUMN DETAIL" THIS SHEET FOR REBAR DETAIL AT TOP OF COLUMNS.
6. COLUMN REINFORCING TO BE CONTINUOUS OR TO BE TENSION SPLICED ACCORDING TO ACI 318-08, SECTION 12.14.3 USING WELD OR MECHANICAL SPLICES. MECHANICAL OR WELD SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP, THEY SHALL BE STAGGERED A MINIMUM OF 2'-6". LAP SPLICES IN COLUMNS WILL NOT BE ALLOWED, UNLESS NOTED.



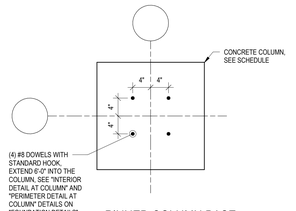
TOP OF COLUMN DETAIL AT PARKING SPACE

1/2" = 1'-0"



TOP OF COLUMN DETAIL AT COMMERCIAL SPACE

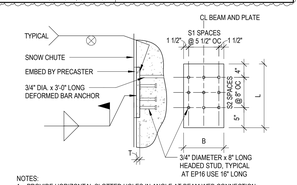
1/2" = 1'-0"



PINNED COLUMN BASE

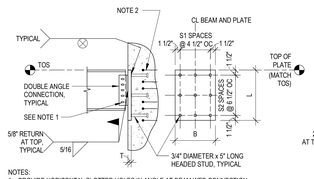
EMBED PLATE SCHEDULE

MARK	PLATE SIZE (TxLxB)	S1	S2	TOP OF PLATE ELEVATION	DETAIL REFERENCE (THIS SHEET UNO)	REMARKS
EP01	3/4" x 35 1/2" x 12"	2	5	111'-5 1/2"	EMBED PLATE CONNECTION DIAGRAM	FUTURE MEZZANINE (190K FACTORED LOAD) PLAIN STEEL
EP02	1/2" x 9 1/2" x 7 1/2"	1	1	BOTTOM OF SLAB	TUNNEL ENTRANCE ANCHOR, SHEET S512	1 GALVANIZED
EP03	L8x4x1/2	-	-	BOTTOM OF SLAB	ANGLE EMBED PLATE CONNECTION	STAINLESS, AT GIRDER PROVIDE 9 1/2" x 9 1/2" x 1/2" PLATE
EP04	3/4" x 9 1/2" x 9 1/2"	1	1	111'-3"	EMBED AT SCREEN WALL SUPPORT	GALVANIZED, SCREEN WALL SUPPORT - 6 1/2" SPACES
EP05	1/2" x 9 1/2" x 1/2"	2	1	111'-3"	EMBED AT SCREEN WALL SUPPORT	GALVANIZED, SCREEN WALL SUPPORT
EP06	3/4" x 9 1/2" x 9 1/2"	1	1	125'-4", 135'-10", 146'-4"	EMBED AT SCREEN WALL SUPPORT (SIM)	GALVANIZED, SCREEN WALL SUPPORT - 6 1/2" SPACES
EP07	1/2" x 7 1/2" x 16 1/2"	3	1	MATCH TOS	EMBED AT HSS FRAME	GALVANIZED, 4 1/2" SPACES
EP08	1/2" x 9 1/2" x 7 1/2"	1	1	MATCH TOS	EMBED PLATE CONN DIAGRAM (SIM)	GALVANIZED, 1/4" SHEAR TABS
EP09	3/4" x 12" x 22 1/2"	2	3	111'-5 1/2"	EMBED PLATE CONNECTION DIAGRAM	FUTURE MEZZ (50K FACTORED LOAD) - PLAIN STEEL
EP10	1" x 14" x 34"	2	3	SEE SNOW CHUTE SECTION	EMBED PLATE AT SNOW CHUTE DIAGRAM	GALVANIZED, SEE SNOW CHUTE SECTION SHEET S-401
EP11	7/8" x 9 1/2" x 9 1/2"	1	1	142'-10"	EMBED PLATE AT HSS BASE	BASE PLATE AT HSS - 50 KSI PLATE - 6 1/2" SPACES
EP12	3/4" x 22 1/2" x 12"	2	3	116'-10 1/4"	EMBED PLATE CONN DIAGRAM (SIM)	GALVANIZED, SEATED CONNECTION L4x4x3/8 TOP & BOT
EP13	3/4" x 12" x 7 1/2"	1	2	BOTTOM OF SLAB	SECTION AT BRICK SUPPORT, SHEET S511	GALVANIZED, 4 1/2" SPACES, U-BARS AT EACH STUD
EP14	1" x 16" x 16"	2	2	112'-3", 125'-8", 146'-8"	EP DETAIL AT SCREEN WALL, SHEET S201	GALVANIZED, 6 1/2" SPACES, 9" LONG STUDS
EP15	3/4" x 8" x 12"	2	1	MATCH TOC	HSS AT CORNER WINDOW, SHEET S511	GALVANIZED, 4 1/2" SPACES
EP16	1" x 14" x 28"	2	3	SEE SNOW CHUTE SECTION	EMBED PLATE AT SNOW CHUTE DIAGRAM	GALVANIZED, SEE SNOW CHUTE SECTION SHEET S-401
EP17	1/2" x 9 1/2" x 9 1/2"	1	1	MATCH BEAM	PRECAST SUPPORT AT BEAM, SHEET S511	GALVANIZED, 6 1/2" SPACES
EP18	3/8" x 7 1/2" x 12"	1	1	MATCH TOC	DETAIL AT PARAPET SUPPORT, SHEET S511	GALVANIZED



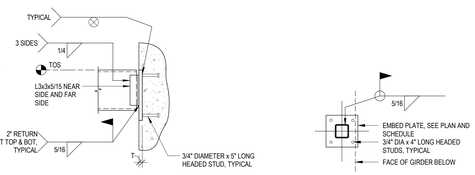
NOTES:
1. PROVIDE HORIZONTAL SLOTTED HOLES IN ANGLE AT BEAM WEB CONNECTION (FOR ERECTION PURPOSES).

EMBED PLATE AT SNOW CHUTE DIAGRAM



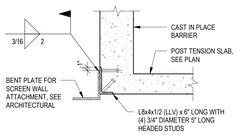
NOTES:
1. PROVIDE HORIZONTAL SLOTTED HOLES IN ANGLE AT BEAM WEB CONNECTION (FOR ERECTION PURPOSES).
2. AT COLUMNS ADD COLUMN TIES ABOVE AND BELOW STUDS.

EMBED PLATE CONNECTION DIAGRAM

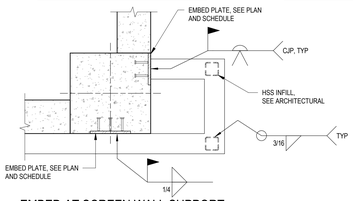


EMBED PLATE AT HSS FRAME

EMBED PLATE AT HSS BASE



ANGLE EMBED PLATE CONNECTION



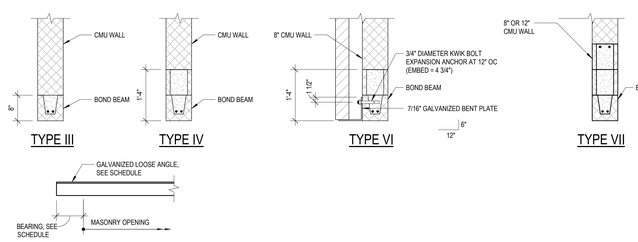
EMBED AT SCREEN WALL SUPPORT

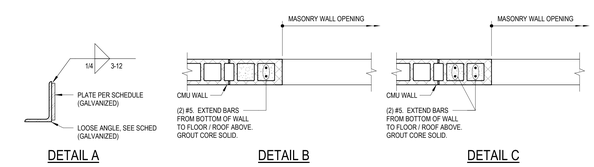
LINTEL SCHEDULE

MARK	TYPE	SIZE	BEARING LENGTH	REMARKS
N/A	III	8" BOND BEAM WITH (1) #5 BOTTOM	8"	ALL NON-LOAD 6" CMU BEARING WALLS W/ OPENINGS LESS THAN OR EQUAL TO 6'-0". SEE DETAIL B.
N/A	IV	16" BOND BEAM WITH (2) #5 BOTTOM (PROVIDE (2) #6 BOTTOM WHERE OPENINGS ARE GREATER THAN 10'-0" BUT LESS THAN OR EQUAL TO 12'-0")	8"	ALL NON-LOAD 6" CMU BEARING WALL W/ OPENINGS GREATER THAN 6'-0" BUT LESS THAN OR EQUAL TO 12'-0". SEE DETAIL B.
N/A	III	8" BOND BEAM WITH (2) #5 BOTTOM	8"	ALL NON-LOAD BEARING WALL 8" CMU OR WIDER W/ OPENINGS LESS THAN OR EQUAL TO 6'-0". SEE DETAIL B.
N/A	IV	16" BOND BEAM WITH (2) #5 BOTTOM (PROVIDE (2) #6 BOTTOM WHERE OPENINGS ARE GREATER THAN 10'-0" BUT LESS THAN OR EQUAL TO 12'-0")	8"	ALL NON-LOAD BEARING WALL 8" CMU OR WIDER W/ OPENINGS GREATER THAN 6'-0" BUT LESS THAN OR EQUAL TO 12'-0". SEE DETAIL 5.
L1	VI	16" BOND BEAM WITH (2) #5 TOP AND BOTTOM (1 1/2" COVER)	8"	SEE DETAIL B
L2	VII	24" BOND BEAM WITH (2) #6 TOP AND BOTTOM (1 /2" COVER)	8"	SEE DETAIL B
N/A	X1	L6x4x3/8 LLV	4"	LOOSE LINTEL AT OPENINGS LESS THAN OR EQUAL TO 6'-0" WIDE, SEE DETAIL A
N/A	X1	L6x4x3/8 LLV WITH 1/2" x 5" PLATE	4"	LOOSE LINTEL AT OPENINGS GREATER THAN 6'-0" WIDE BUT LESS THAN OR EQUAL TO 8'-0" WIDE. SEE DETAIL A

LINTEL SCHEDULE NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS.
2. COORDINATE BOTTOM OF LINTEL ELEVATION WITH ARCHITECTURAL DRAWINGS.
3. ALL DIMENSIONS ARE NOMINAL MASONRY DIMENSIONS UNLESS NOTED OTHERWISE.
4. PROVIDE MINIMUM 8" BEARING EACH END UNLESS NOTED OTHERWISE.
5. FOR PRECAST CONCRETE LINTELS, WIDTH OF LINTEL = NOMINAL MASONRY WALL THICKNESS - 3/8".
6. FOR CMU LINTELS, CONTRACTOR TO PROVIDE TEMPORARY SHORING UNTIL MASONRY HAS PROPERLY SET (3 DAYS MINIMUM).
7. FOR STEEL LINTELS, PROVIDE 1/4" BOTTOM PLATE UNLESS NOTED OTHERWISE. WIDTH OF PLATE = NOMINAL MASONRY THICKNESS (INCLUDING VENEER) - 1" EXTEND PLATE FULL LENGTH OF LINTEL UNLESS NOTED OTHERWISE.
8. FOR STEEL LINTELS GREATER THAN OR EQUAL TO 12'-0" LONG, PROVIDE 1/2" DIAMETER x 4" LONG HEADED WELDED STUDS AT 32" OC ON TOP FLANGE. STEEL LINTELS LESS THAN 10'-0" LONG MAY BE PLACED LOOSE WITHOUT ANCHOR BOLTS OR BEARING PLATES, UNLESS NOTED OTHERWISE.
9. ALL STEEL LINTELS TO HAVE Fy = 50 KSI.





GRÄEF

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CONSULTANTS:

PROJECT TITLE:

CAPITOL EAST PARKING GARAGE

211 SOUTH LIVINGSTON STREET, MADISON WI 53703
MUNIS NUMBER 1627
CONTRACT NUMBER 7951

CLIENT:

CITY OF MADISON PARKING UTILITY

215 MARTIN LUTHER KING JR BLVD
MADISON, WISCONSIN 53801-2986

ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM #1

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/2017
DRAWN BY:	JRW
CHECKED BY:	DFW
APPROVED BY:	DFW
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:

SCHEDULES

SHEET NUMBER:

S-601

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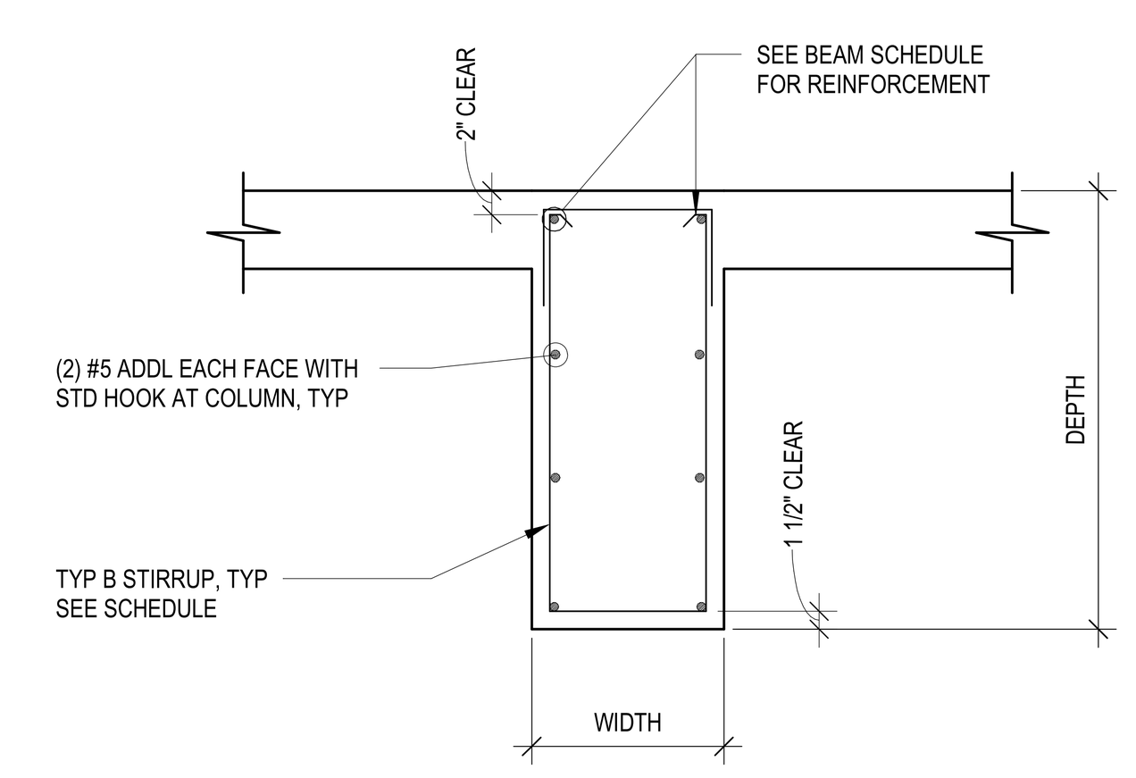
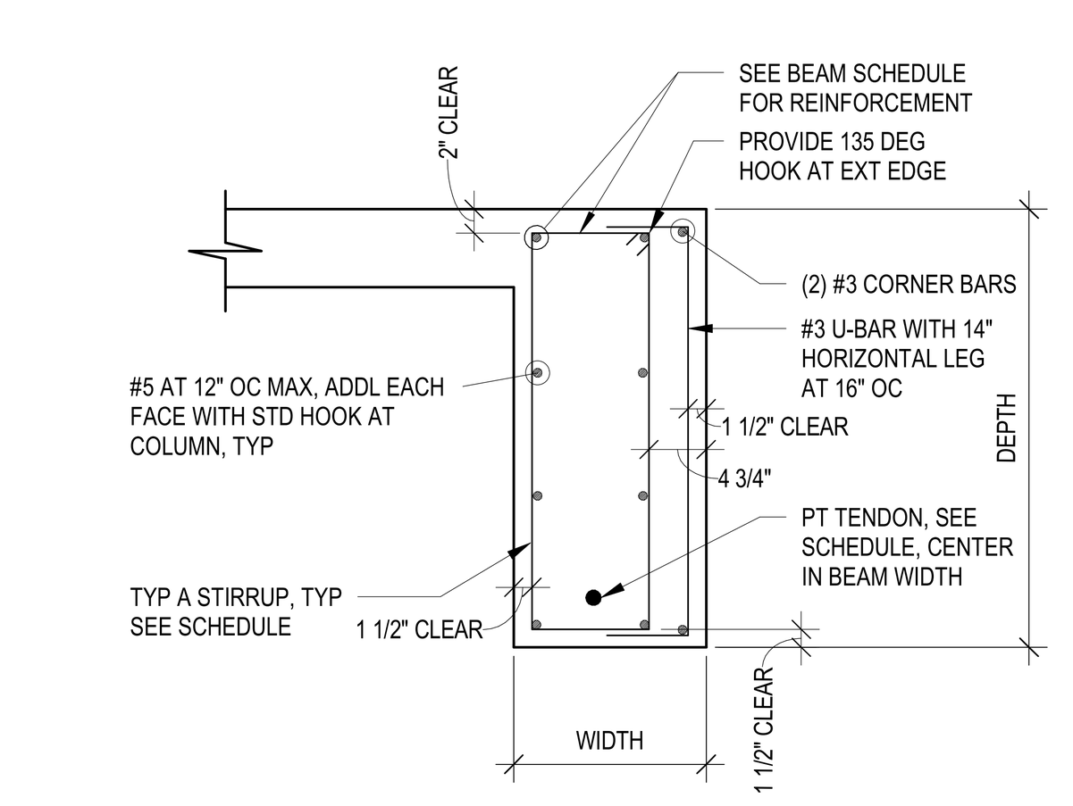
POST-TENSIONED BEAM SCHEDULE

MARK	TYPE	L=LENGTH CL SUPPORT TO CL SUPPORT	SIZE W	SIZE D	EFFECTIVE FORCE (KIPS)	TENDON ORDINATES A	TENDON ORDINATES B	TENDON ORDINATES C	SHORT BOTTOM BARS AMOUNT	SHORT BOTTOM BARS SIZE	SHORT BOTTOM BARS LENGTH	LONG BOTTOM BARS S OR W END SUPPORT X	TYPE (A/B)	AMOUNT	SIZE	TYPE (A/B)	LONG BOTTOM BARS N OR E END SUPPORT X	LONG TOP BARS S OR W END X	LONG TOP BARS S OR W END X	TYPE (A/B)	AMOUNT	SIZE	MIDDLE AMOUNT	MIDDLE SIZE	MIDDLE LENGTH	N OR E END AMOUNT	N OR E END SIZE	N OR E END TYPE (A/B)	N OR E END X	N OR E END X	STIRRUPS SIZE	STIRRUPS TYPE	STIRRUPS SPACING AT EACH END	REMARKS
B01	1	62'-0"	20"	34"	347	24"	4"	30"	-	-	-	10"	B	3	8	A	CONT.	10"	CONT.	B	4	8	-	-	-	4	8	A	CONT.	CONT.	4	A	1@2", 30 @8", BAL @ 12"	
B02	2	62'-0"	20"	34"	347	30"	4"	30"	-	-	-	CONT.	A	3	8	A	CONT.	CONT.	CONT.	A	4	8	-	-	-	4	8	A	CONT.	CONT.	4	A	1@2", 30 @8", BAL @ 12"	
B03	3	62'-0"	20"	34"	347	30"	4"	24"	-	-	-	CONT.	A	3	8	B	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	B	CONT.	10"	4	A	1@2", 30 @8", BAL @ 12"	
B04	1	62'-0"	18"	34"	480	24"	4"	30"	-	-	-	10".	B	3	8	A	CONT.	10".	CONT.	B	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	
B05	2	62'-0"	18"	34"	480	30"	4"	30"	-	-	-	CONT.	A	3	8	A	CONT.	CONT.	CONT.	A	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	
B06	3	62'-0"	18"	34"	480	30"	4"	24"	-	-	-	CONT.	A	3	8	B	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2", BAL @ 12"	
B07	1	62'-0"	18"	34"	694	24"	4"	30"	-	-	-	10"	B	3	8	A	CONT.	10"	CONT.	B	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2",10@4",25@8", BAL@12"	
B08	2	62'-0"	18"	34"	694	30"	4"	30"	-	-	-	CONT.	A	3	8	A	CONT.	CONT.	CONT.	A	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2",10@4",25@8", BAL@12"	
B09	3	62'-0"	18"	34"	694	30"	4"	24"	-	-	-	CONT.	A	3	8	B	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2",10@4",25@8", BAL@12"	LOCATE TENDON ORDINATE B 20'-0" WEST OF GRID D
B10	1	62'-0"	18"	34"	482	24"	4"	30"	-	-	-	10"	B	3	8	A	CONT.	10"	CONT.	B	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2", 10@6", BAL @ 12"	
B11	3	62'-0"	18"	34"	482	30"	4"	24"	-	-	-	CONT.	A	3	8	B	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2", 10@6", BAL @ 12"	
B12	5	62'-0"	18"	34"	587	24"	4"	24"	-	-	-	10"	B	3	8	B	10"	10"	CONT.	B	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2", BAL @ 12"	
B13	1	62'-0"	18"	34"	720	24"	4"	30"	-	-	-	10"	B	3	8	A	CONT.	10"	CONT.	B	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2", 10@6", BAL @ 12"	
B14	3	62'-0"	18"	34"	720	30"	4"	24"	-	-	-	CONT.	A	3	8	B	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2", 10@6", BAL @ 12"	
B15	5	23'-6"	14"	28"	107	18"	5"	18"	-	-	-	7"	B	2	8	B	7"	7"	CONT.	B	3	8	-	-	-	3	8	B	CONT.	7"	4	B	1@2", BAL @ 12"	3" TOP COVER TO STIRRUPS
B16	5	18'-5"	14"	28"	80	10"	10"	10"	-	-	-	10"	B	2	8	B	7"	10"	CONT.	B	3	8	-	-	-	3	8	B	CONT.	7"	4	B	1@2", BAL @ 12"	3" TOP COVER TO STIRRUPS
B17	5	62'-0"	18"	34"	801	24"	4"	24"	-	-	-	10"	B	3	8	B	10"	10"	CONT.	B	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2",10@4",25@8", BAL@12"	LOCATE TENDON ORDINATE B 20'-0" WEST OF GRID D
B18	1	62'-0"	20"	34"	347	24"	4"	30"	-	-	-	10"	B	3	8	A	CONT.	10"	CONT.	B	4	8	-	-	-	4	8	A	CONT.	CONT.	4	A	1@2", 30 @8", BAL @ 12"	
B19	1	62'-0"	18"	34"	614	24"	4"	30"	-	-	-	10"	B	3	8	A	CONT.	10"	CONT.	B	4	8	-	-	-	4	8	A	CONT.	CONT.	4	A	1@2", 10@6", BAL @ 12"	
B20	3	62'-0"	18"	34"	614	30"	4"	24"	-	-	-	CONT.	A	3	8	B	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2", 10@6", BAL @ 12"	
B21	5	23'-6"	16"	20"	160	15"	8"	15"	-	-	-	10"	B	3	6	B	10"	10"	CONT.	B	4	6	-	-	-	4	8	B	CONT.	10"	4	B	1@2", BAL @ 12"	3" TOP COVER TO STIRRUPS
B22	5	62'-0"	18"	34"	694	24"	4"	24"	-	-	-	10"	B	3	8	B	10"	10"	CONT.	B	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2", BAL @ 12"	
B23	1	19'-0"	16"	20"	160	15"	8"	10"	-	-	-	7"	B	3	6	A	CONT.	7"	CONT.	B	4	6	-	-	-	3	8	A	CONT.	CONT.	4	A	1@2", BAL @ 12"	3" TOP COVER TO STIRRUPS
B24	3	19'-0"	16"	20"	160	10"	8"	15"	-	-	-	CONT.	A	3	6	B	7"	CONT.	CONT.	A	4	6	-	-	-	3	8	B	CONT.	7"	4	B	1@2", BAL @ 12"	3" TOP COVER TO STIRRUPS
B25	3	62'-0"	18"	34"	694	30"	4"	24"	-	-	-	CONT.	A	3	8	B	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	B	CONT.	10"	4	A	1@2", 30 @8", BAL @ 12"	
B26	3	62'-0"	20"	34"	480	30"	4"	24"	-	-	-	CONT.	A	3	8	B	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	B	CONT.	10"	4	A	1@2", 30 @8", BAL @ 12"	LOCATE TENDON ORDINATE B 20'-0" WEST OF GRID D
B27	1	62'-0"	18"	34"	507	24"	4"	30"	-	-	-	10".	B	3	8	A	CONT.	10".	CONT.	B	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	
B28	2	62'-0"	18"	34"	507	30"	4"	30"	-	-	-	CONT.	A	3	8	A	CONT.	CONT.	CONT.	A	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	
B29	3	62'-0"	18"	34"	507	30"	4"	24"	-	-	-	CONT.	A	3	8	B	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2", 30 @8", BAL @ 12"	LOCATE TENDON ORDINATE B 20'-0" WEST OF GRID D
B30	1	62'-0"	18"	34"	427	24"	4"	30"	-	-	-	10".	B	3	8	A	CONT.	10".	CONT.	B	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	
B31	2	62'-0"	18"	34"	427	30"	4"	30"	-	-	-	CONT.	A	3	8	A	CONT.	CONT.	CONT.	A	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	
B32	3	62'-0"	18"	34"	427	30"	4"	24"	-	-	-	CONT.	A	3	8	B	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2", BAL @ 12"	
B33	5	23'-6"	20"	34"	80	18"	8"	18"	-	-	-	10"	B	3	8	B	10"	10"	CONT.	B	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2", BAL @ 12"	
B34	1	62'-0"	18"	34"	534	24"	4"	30"	-	-	-	10"	B	3	8	A	CONT.	10"	CONT.	B	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2", 10@6", BAL @ 12"	
B35	3	62'-0"	18"	34"	534	30"	4"	24"	-	-	-	CONT.	A	3	8	B	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2", BAL @ 12"	
B36	1	62'-0"	18"	34"	507	24"	4"	24"	-	-	-	10"	B	3	8	A	CONT.	10".	CONT.	B	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	
B37	2	62'-0"	18"	34"	507	24"	4"	30"	-	-	-	CONT.	A	3	8	A	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	
B38	3	62'-0"	26"	28"	507	24"	4"	19"	-	-	-	40"	A	3	8	B	10"	CONT.	CONT.	A	4	8	-	-	-	4	8	B	CONT.	10"	4	B	1@2", BAL @ 12"	
B50	4	13'-6"	12"	16"								20"	B	3	7	B	20"	20"	CONT.	B	3	7	-	-	-	3	7	B	CONT.	20"	3	A	BAL @ 6"	RAMP STAIR BEAMS, MILDLY REINFORCED
B51	5	15'-9"	12"	24"	80	12"	-	18"	-	-	-	5"	B	2	8	B	20"	5"	CONT.	B	2	8	-	-	-	2	8	B	CONT.	20"	4	B	1@2", BAL @ 12"	STRAIGHT PROFILE
B52	1	25'-0"	18"	24"	134	12"	5"	18"	-	-	-	10"	B	2	8	A	CONT.	10"	CONT.	B	2	8	-	-	-	2	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	NOTE 3
B53	2	31'-0"	18"	24"	134	18"	5"	18"	-	-	-	CONT.	A	2	8	A	CONT.	CONT.	CONT.	A	2	8	-	-	-	2	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	NOTE 3
B54	3	31'-0"	18"	24"	134	18"	5"	12"	-	-	-	CONT.	A	2	8	B	10"	CONT.	CONT.	A	2	8	-	-	-	2	8	B	CONT.	10"	4	B	1@2", BAL @ 12"	NOTE 3
B55	1	31'-0"	16"	24"	240	12"	5"	18"	-	-	-	10"	B	2	8	A	CONT.	10"	CONT.	B	2	8	-	-	-	2	8	A	CONT.	CONT.	4	B	1@2", 8@6", BAL @ 12"	NOTE 3
B56	2	31'-0"	16"	24"	240	18"	5"	18"	-	-	-	CONT.	A	2	8	A	CONT.	CONT.	CONT.	A	2	8	-	-	-	2	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	NOTE 3
B57	3	31'-0"	16"	24"	240	18"	5"	12"	-	-	-	CONT.	A	2	8	B	10"	CONT.	CONT.	A	2	8	-	-	-	2	8	B	CONT.	10"	4	B	1@2", BAL @ 12"	NOTE 3
B58	1	31'-0"	16"	24"	187	12"	5"	18"	-	-	-	10"	B	2	8	A	CONT.	10"	CONT.	B	2	8	-	-	-	2	8	A	CONT.	CONT.	4	B	1@2", 8@6", BAL @ 12"	NOTE 3
B59	2	31'-0"	16"	24"	187	18"	5"	18"	-	-	-	CONT.	A	2	8	A	CONT.	CONT.	CONT.	A	2	8	-	-	-	2	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	NOTE 3
B60	3	31'-0"	16"	24"	187	18"	5"	12"	-	-	-	CONT.	A	2	8	B	10"	CONT.	CONT.	A	2	8	-	-	-	2	8	B	CONT.	10"	4	B	1@2", BAL @ 12"	NOTE 3
B61	1	4'-10 1/2"	16"	24"	107	18"	-	18"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	B	1@2", BAL @ 4"	STRAIGHT PROFILE
B62	3	15'-9"	16"	24"	107	18"	8"	14"	-	-	-	4'-8 1/2"	B	2	8	B	6"	4'-8 1/2"	CONT.	B	2	8	-	-	-	2	8	B	CONT.	6"	4	B	1@2", BAL @ 12"	
B63	5	37'-5"	18"	24"	108	14"	8"	14"	-	-	-	10"	B	2	8	B	48"	10"	CONT.	B	2	8	-	-	-	2	8	B	CONT.	48"	4	B	1@2", BAL @ 12"	NOTE 5
B64	4	37'-5"	18"	24"	160	6"	4"	6"	-	-	-	10"	B	2	8	B	6"	10"	CONT.	B	2	8	-	-	-	2	8	B	CONT.	6"	4	B	1@2", BAL @ 12"	LOCATE TENDON ORDINATE B AT B65
B65	4	19'-5"	16"	24"	267	18"	18"	8"	-	-	-	4"	B	2	8	B	48"	4"	CONT.	B	3	8	-	-	-	3	8	B	CONT.	48"	4	B	1@2", BAL @ 12"	NOTE 3, NOTE 5, STRAIGHT PROFIE
B66	4	25'-0"	18"	24"	134	16"	5"	16"	-	-	-	10"	B	2	8	B	10"	10"	CONT.	B	2	8	-	-	-	2	8	B	CONT.	10"	4	B	1@2", BAL @ 12"	NOTE 3
B67	1	31'-0"	18"	24"	134	12"	5"	18"	-	-	-	10"	B	2	8	A	CONT.	10"	CONT.	B	2	8	-	-	-	2	8	A	CONT.	CONT.	4	B	1@2", BAL @ 12"	NOTE 3
B68	1	11'-9 1/2"	16"	20"	134	10"	-	16"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	B	1@2", BAL @ 8"	STRAIGHT PROFILE
B69	3	15'-9"	16"	20"	134	16"	-	10"	-	-	-	11'-7 1/2"	B	3	8	B	8"	11'-7 1/2"	CONT.	B	3	8	-	-	-	3	8	B	CONT.	8"	4	B	1@2", BAL @ 8"	STRAIGHT PROFILE
B70	1	11'-9 1/2"	18"	24"	134	10"	-	19"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	B	1@2", BAL @ 12"	STRAIGHT PROFILE, NOTE 3
B71	3	15'-9"	18"	24"	134	19"	-	10"	-	-	-	11'-7 1/2"	B	3	8	B	8"	11'-7 1/2"	CONT.	B	3	8	-	-	-	3	8	B	CONT.	8"	4	B	1@2", BAL @ 12"	STRAIGHT PROFILE, NOTE 3
B72	4	37'-5"	12"	24"	80	12"	5"	12"	-	-	-	7"	B	2	8	B	48"	7"	CONT.	B	2	8	-	-	-	2	8	B	CONT.	48"	4	B	1@2", BAL @ 12"	LOCATE TENDON ORDINATE B AT B65, NOTE 5
B73	2	31'-0"	16"	24"	187	18"	5"	16"	-	-	-	CONT.	A	2	8	B	2'-8 1/2"	CONT.	CONT.	A	2	8	-	-	-	2	8	B	CONT.	2'-8 1/2"	4	B	1@2", BAL @ 12"	NOTE 3
B74	3	2'-10 1/2"	16"	24"	187	16"	-	16"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	B	1@2", BAL @ 4"	STRAIGHT PROFILE, NOTE 3
B75	2	31'-0"	16"	24"	240	18"	5"	16"	-	-	-	CONT.	A	2	8	B	2'-8 1/2"	CONT.	CONT.	A	2	8	-	-	-	2	8	B	CONT.	2'-8 1/2"	4	B	1@2", BAL @ 12"	NOTE 3
B76	3	2'-10 1/2"	16"	24"	240	16"	-	16"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	B	1@2", BAL @ 4"	STRAIGHT PROFILE, NOTE 3
B77	2	31'-0"	18"	24"	134	18"	5"	16"	-	-	-	CONT.	A	2	8	B	2'-8 1/2"	CONT.	CONT.	A	2	8	-	-	-	2	8	B	CONT.	2'-8 1/2"	4	B	1@2", BAL @ 12"	NOTE 3
B78	3	2'-10 1/2"	18"	24"	134	16"	-	16"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	B	1@2", BAL @ 4"	STRAIGHT PROFILE, NOTE 3
B79	1	11'-9 1/2"	16"	20"	134	6"	-	9"	-	-	-	10"	B	2	6	B	10"	10"	CONT.	B	2	6	-	-	-	2	6	B	CONT	10"	4	B	1@2", BAL @ 8"	STRAIGHT PROFILE
G01	4	32'-0"	20"	34"	480	23"	5.5"	23"	-	-	-	10"	B	5	8	B	10"	10"	CONT.	B	5	8	-	-	-	5	8	B	CONT.	10"	4	B	1@2", BAL @ 8"	NOTE 3
G02	4	32'-0"	36"	34"	694	23"	5.5"	23"	-	-	-	10"	B	5	8	B	10"	10"	CONT.	B	5	8	-	-	-	5	8	B	CONT.	10"	4	B	1@2", BAL @ 10"	NOTE 3
G03	1	33'-6"	20"	34"	480	23"	5.5"	23"	-	-	-	10"	B	5	8	A	CONT.	10"	CONT.	B	5	8	-	-	-	5	8	A	CONT.	CONT.	4	B	1@2", BAL @ 6"	HARPED PROFILE, NOTE 3
G04	3	38'-0"	20"	34"	480	29"	5.5"	23"	-	-	-	CONT.	A	5	8	B	10"	CONT.	CONT.	A	5	8	-	-	-	5	8	B	CONT.	10"	4	B	1@2", BAL @ 6"	HARPED PROFILE, NOTE 3
G05	1	33'-6"	36"	34"	747	23"	5.5"	29"	-	-	-	10"	B	5	8	A	CONT.	10"	CONT.	B	5	8	-	-	-	5	8	A	CONT.	CONT.	4	B	1@2", BAL @ 10"	HARPED PROFILE, NOTE 3
G06	3	38'-0"	36"	34"	747	29"	5.5"	23"	-	-	-	CONT.	A	5	8	B	10"	CONT.	CONT.	A	5	8	-	-	-	5	8	B	CONT.	10"	4	B	1@2", BAL @ 10"	HARPED PROFILE, NOTE 3
G07	1	36'-0"	48"	52"	2350	28"	8.5"	44"	-	-	-	10"	B	8	8	A	CONT.	10"	CONT.	B	9	8	-	-	-	9	8	A	CONT.	CONT.	5	B	1@2", BAL @ 5". 6 LEGS	HARPED PROFILE, NOTE3, STAGED POST-TENSIONING, SEE A3/S506
G08	2	21'-0"	48"	52"	2350	44"	44"	44"	-	-	-	CONT.	A	8	8	B	10"	CONT.	CONT.	A	9	8	-	-	-	9	8	B	CONT.	10"	5	B	1@2", BAL @ 12". 6 LEGS	NOTE3, STAGED POST-TENSIONING, SEE A3/S506
G09	3	38'-0"	36"	34"	747	26"	6.5"	20"	-	-	-	CONT.	A	5	8	B	10"	CONT.	CONT.	A	5	8	-	-	-	5	8	B	CONT.	10"	4	B	1@2", BAL @ 10"	HARPED PROFILE, NOTE 3, STAGED POST-TENSIONING, SEE A3/S506
G10	4	32'-0"	28"	28"	534	23"	5.5"	23"	-	-	-	10"	B	5	8	B	10"	10"	CONT.	B	5	8	-	-	-	5	8	B	CONT.	10"	4	B	1@2", BAL @ 8"	NOTE 3
G20	1	4'-10 1/2"	32"	28"	534	18"	-	18"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	B	1@2", BAL @ 4"	STRAIGHT PROFILE
G21	3	37'-5"	32"	28"	534	18"	4"	18"	-	-	-	4'-8 1/2"	B	5	8	B	8"	4'-8 1/2"	CONT.	B	5	8	-	-	-	5	8	B	CONT.	8"	4	B	1@2", BAL @ 12"	
G22	1	4'-10 1/2"	16"	28"	320	14"	-	14"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	B	1@2", BAL @ 4"	STRAIGHT PROFILE
G23	3	37'-5"	16"	28"	320	14"	4"	14"	-	-	-	4'-8 1/2"	B	2	8	B	48"	4'-8 1/2"	CONT.	B	3	8	-	-	-	3	8	B	CONT.	48"	4	B	1@2", BAL @ 12"	
G24	4	37'-5"	32"	28"	534	18"	4"	18"	-	-	-	10"	B	5	8	B	8"	10"	CONT.	B	5	8	-	-	-	5	8	B	CONT.	8"	4	B	1@2", BAL @ 12"	
G25	4	37'-5"	16"	28"	320	18"	4"	18"	-	-	-	10"	B	2	8	B	48"	10"	CONT.	B	3	8	-	-	-	3	8	B	CONT.	48"	4	B	1@2", BAL @ 12"	

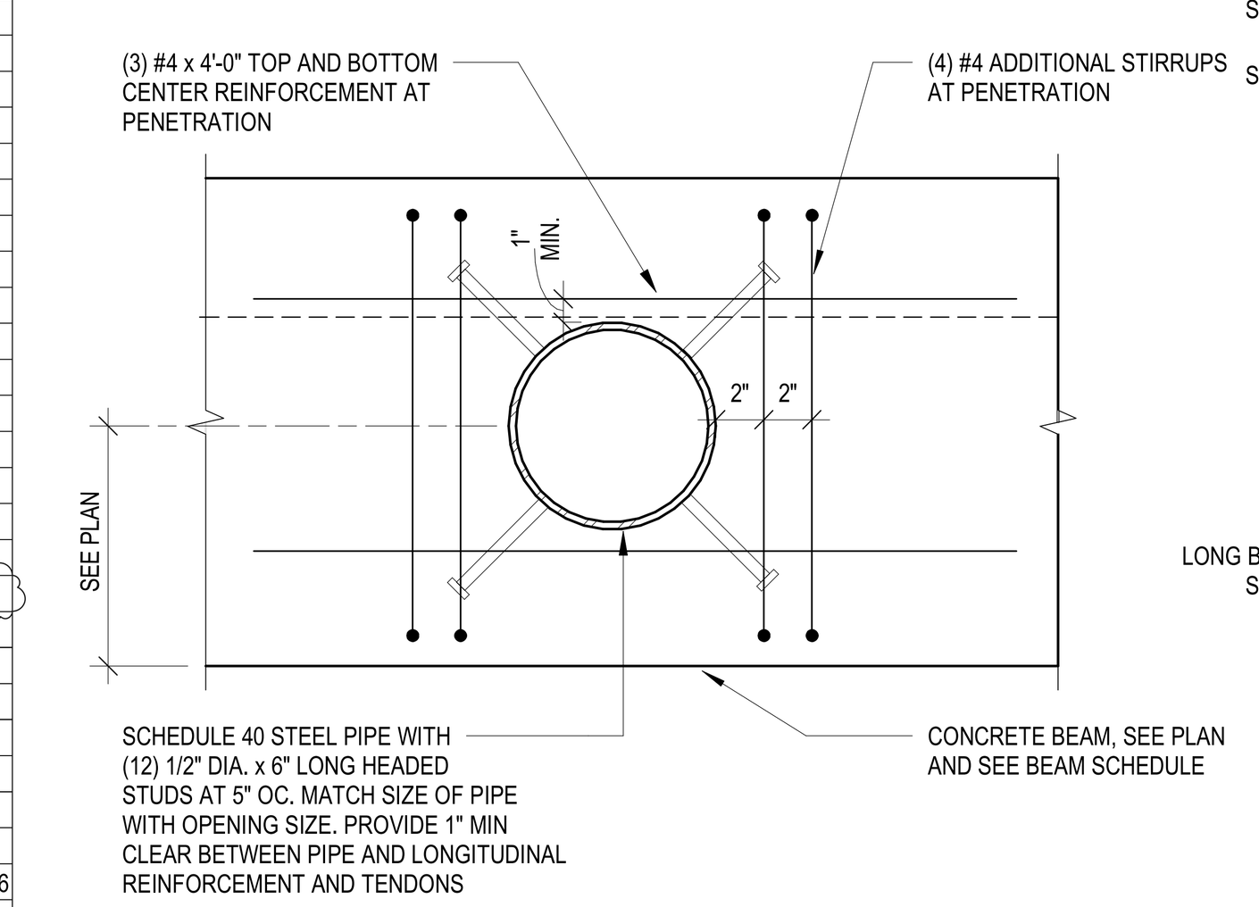
NOTE 1: WHERE A BEAM FRAMES INTO A GIRDER, PROVIDE ADDITIONAL STIRRUPS IN THE GIRDER ON EACH SIDE OF THE INTERSECTION AS FOLLOWS: (3) AT 2" OC AND (3) AT 6" OC UNLESS NOTED OTHERWISE.
NOTE 2: EXTEND TOP REINFORCEMENT INTO SLAB 7'-0" INSTEAD OF PROVIDING A HOOK WHERE POSSIBLE.
NOTE 3: 2 1/2" BOTTOM CLEAR COVER TO STIRRUPS, 3" TOP CLEAR COVER TO STIRRUPS.
NOTE 4: PROVIDE STANDARD HOOK TWO OF THE BOTTOM BARS AS SHOWN ON POST-TENSIONED BEAM TYPE DETAILS 1-5.
NOTE 5: EXTEND POST-TENSIONING, BEAM REBAR AND STIRRUPS 4'-0" INTO THE SHEAR WALL. GOOSENECK HORIZONTAL BARS AS REQUIRED FOR 12" WALL.



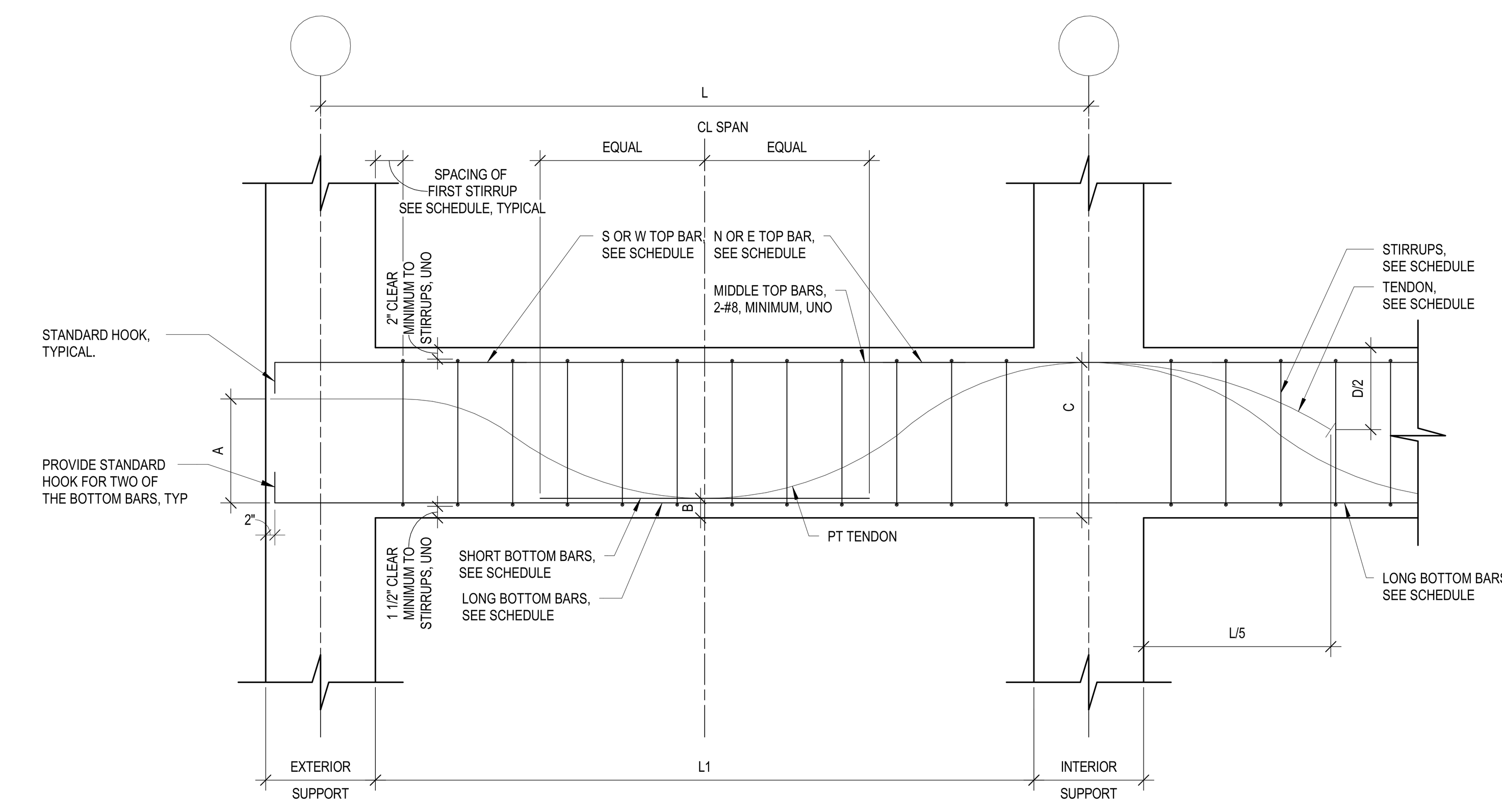
TYPICAL INTERIOR BEAM SECTION



TYPICAL EXTERIOR BEAM SECTION

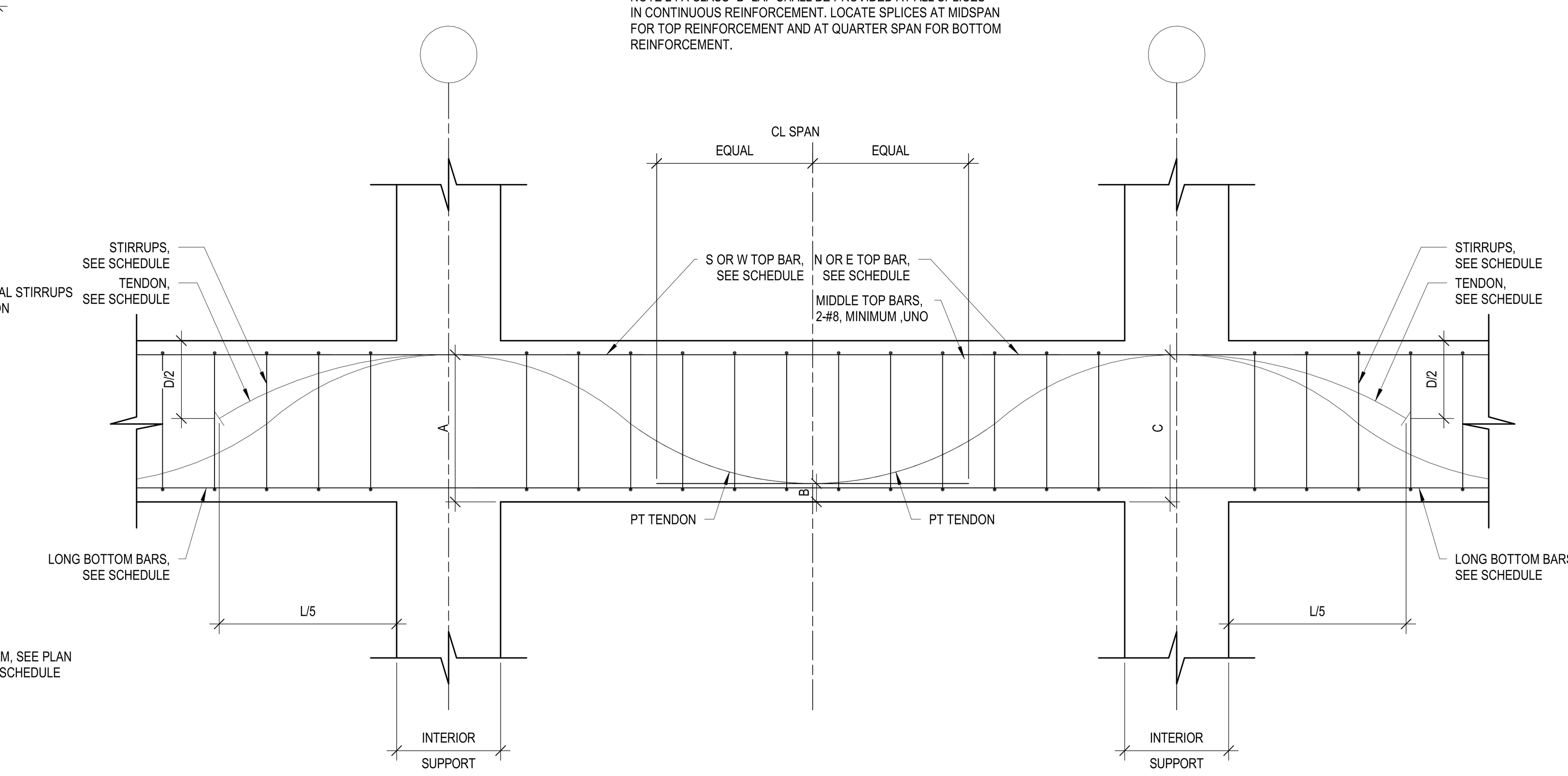


BEAM PENETRATION REINFORCEMENT DETAIL



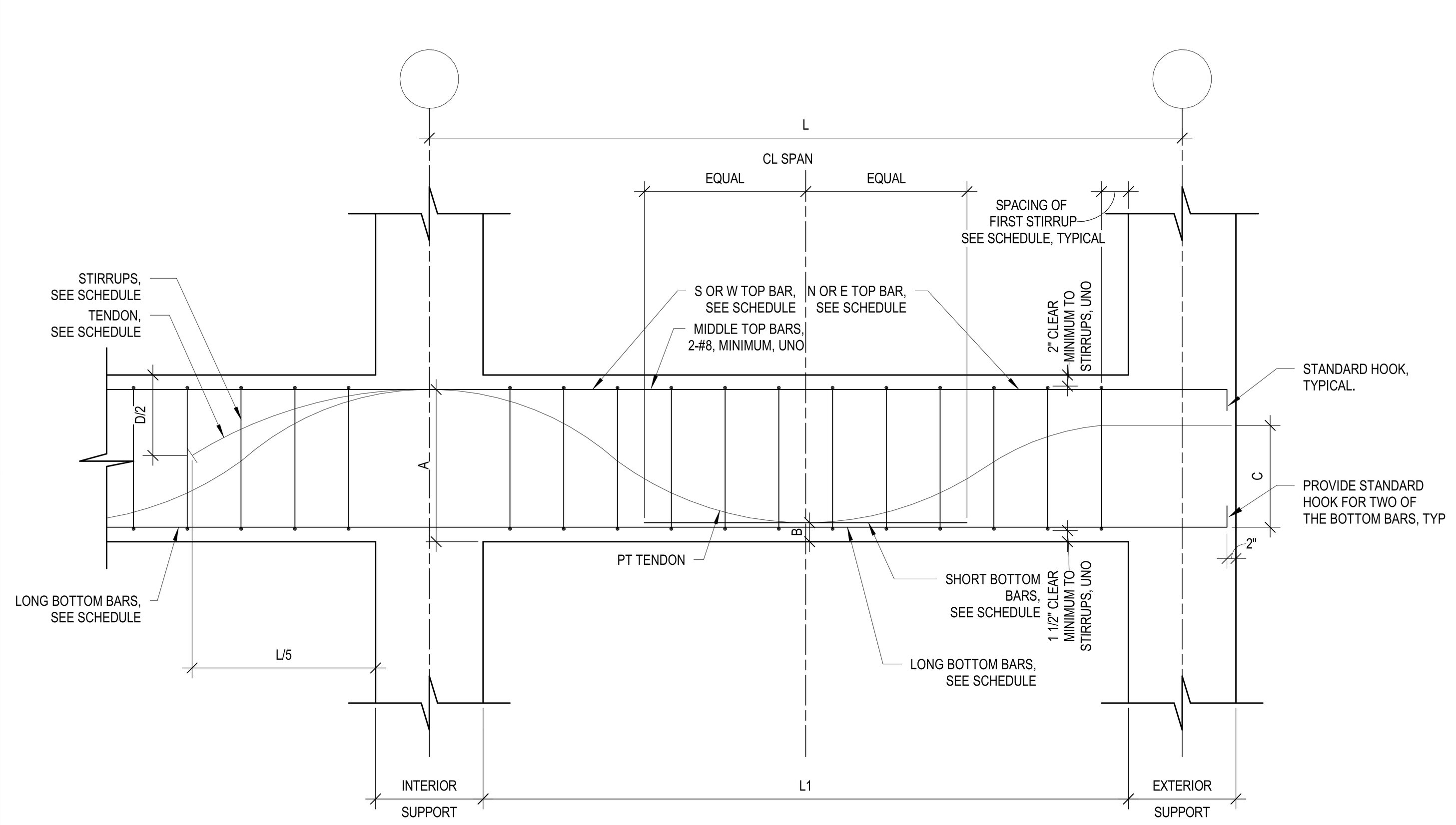
POST-TENSIONED BEAM TYPE 1

NOTE 1 : TENDON LOW POINT AT MIDSPAN UNLESS NOTED.
NOTE 2 : A CLASS "B" LAP SHALL BE PROVIDED AT ALL SPLICES IN CONTINUOUS REINFORCEMENT. LOCATE SPLICES AT MIDSPAN FOR TOP REINFORCEMENT AND AT QUARTER SPAN FOR BOTTOM REINFORCEMENT.



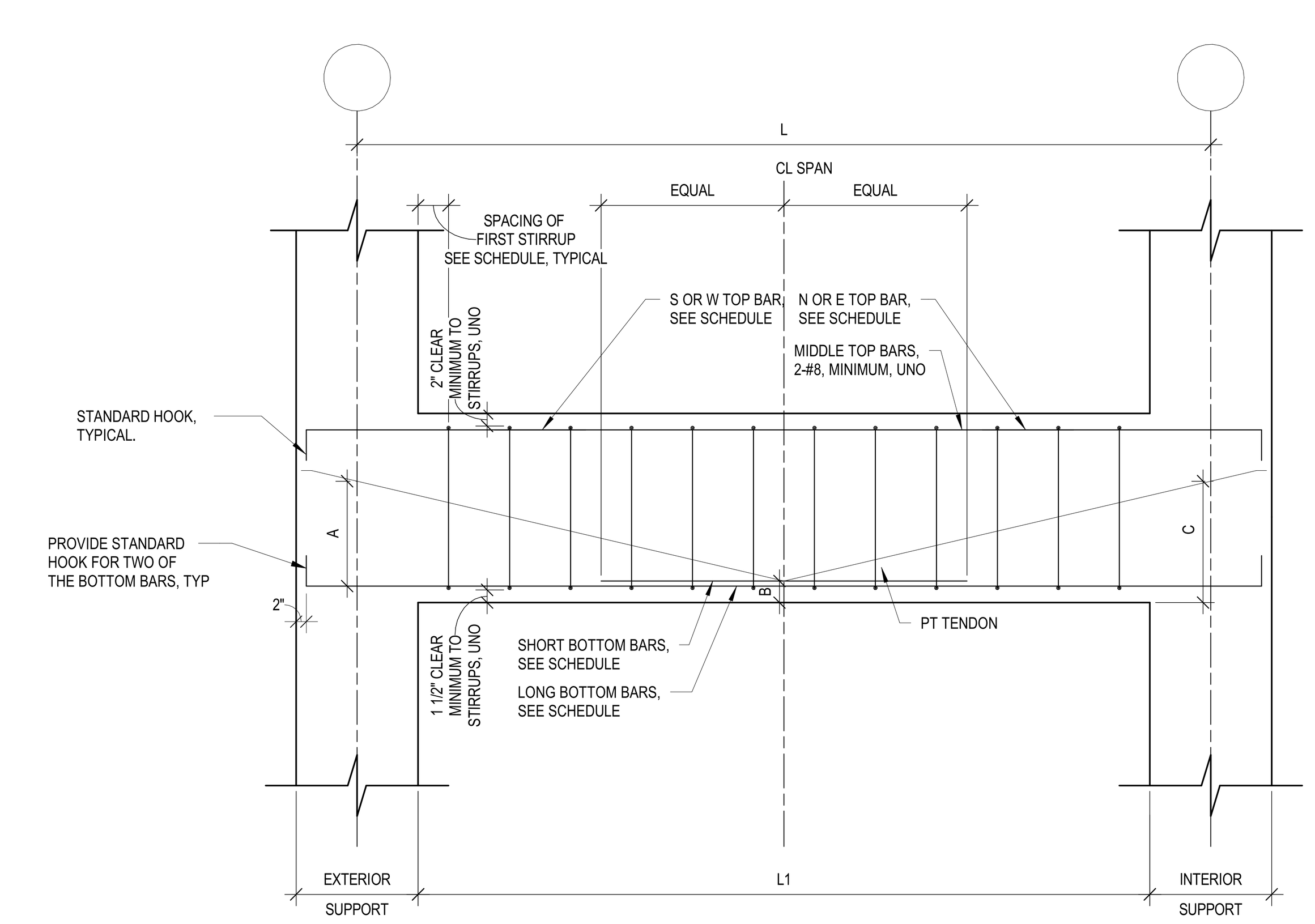
POST-TENSIONED BEAM TYPE 2

NOTE 1 : TENDON LOW POINT AT MIDSPAN UNLESS NOTED.
NOTE 2 : A CLASS "B" LAP SHALL BE PROVIDED AT ALL SPLICES IN CONTINUOUS REINFORCEMENT. LOCATE SPLICES AT MIDSPAN FOR TOP REINFORCEMENT AND AT QUARTER SPAN FOR BOTTOM REINFORCEMENT.



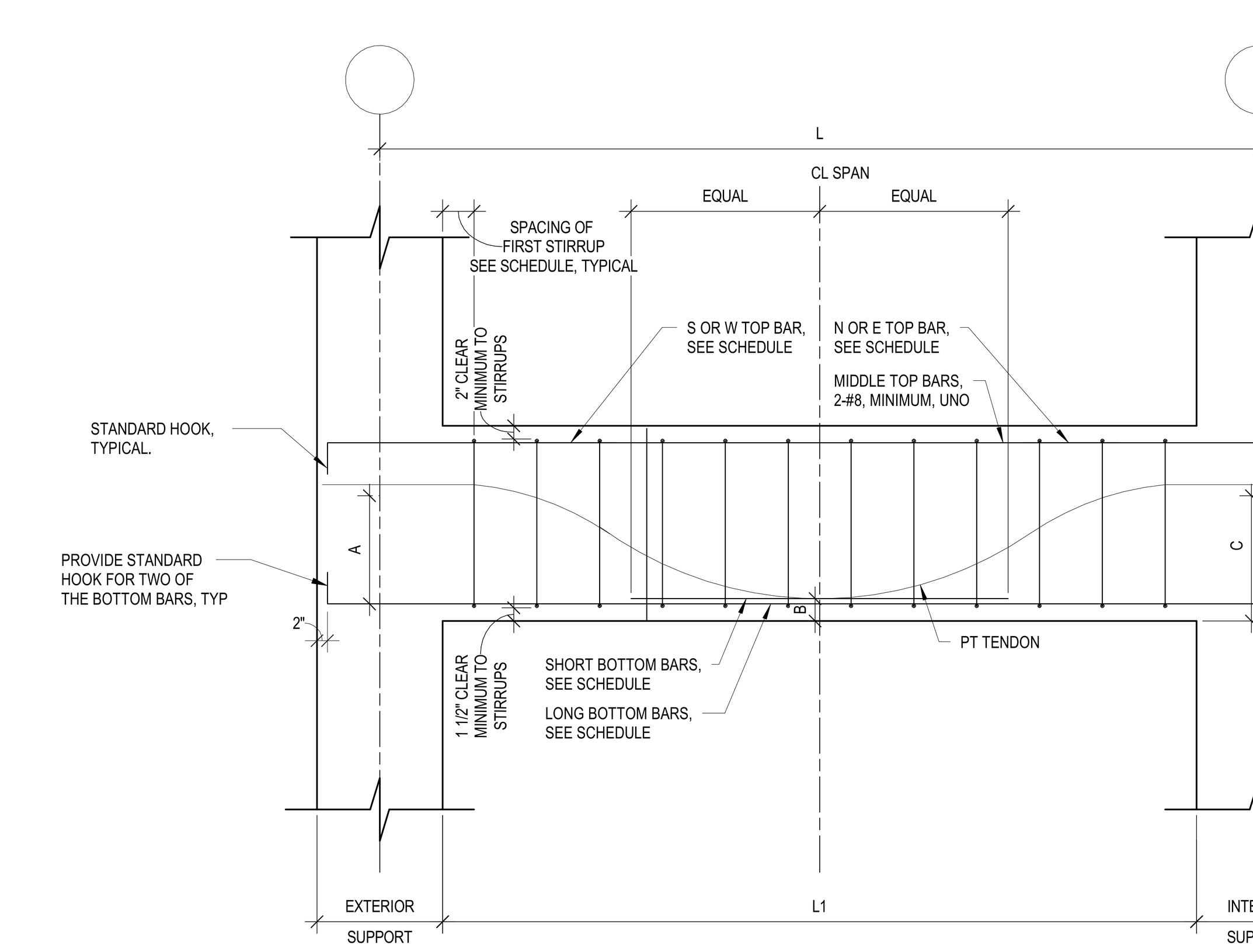
POST-TENSIONED BEAM TYPE 3

NOTE 1 : TENDON LOW POINT AT MIDSPAN UNLESS NOTED.
NOTE 2 : A CLASS "B" LAP SHALL BE PROVIDED AT ALL SPLICES IN CONTINUOUS REINFORCEMENT. LOCATE SPLICES AT MIDSPAN FOR TOP REINFORCEMENT AND AT QUARTER SPAN FOR BOTTOM REINFORCEMENT.



POST-TENSIONED BEAM TYPE 4 (HARPED PROFILE)

NOTE 1 : TENDON LOW POINT AT MIDSPAN UNLESS NOTED.
NOTE 2 : A CLASS "B" LAP SHALL BE PROVIDED AT ALL SPLICES IN CONTINUOUS REINFORCEMENT. LOCATE SPLICES AT MIDSPAN FOR TOP REINFORCEMENT AND AT QUARTER SPAN FOR BOTTOM REINFORCEMENT.



POST-TENSIONED BEAM TYPE 5

NOTE 1 : TENDON LOW POINT AT MIDSPAN UNLESS NOTED.
NOTE 2 : A CLASS "B" LAP SHALL BE PROVIDED AT ALL SPLICES IN CONTINUOUS REINFORCEMENT. LOCATE SPLICES AT MIDSPAN FOR TOP REINFORCEMENT AND AT QUARTER SPAN FOR BOTTOM REINFORCEMENT.

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ISSUE:

NO	DATE	DESCRIPTION
1	07/19/2017	ADDENDUM #1

PROJECT INFORMATION:

PROJECT NUMBER:	2016-5051
DATE:	06/30/2017
DRAWN BY:	JRW
CHECKED BY:	DFW
APPROVED BY:	DFW
SCALE:	AS NOTED
SET TYPE:	BD

SHEET TITLE:
SCHEDULES

SHEET NUMBER:
S-602

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