

UNIVERSITY CENTER BUILDING - PARKING LEVEL, OVERHEAD SECURITY DOORS

UCB PARKING SECURITY UPGRADES SECURITY GATES

Block: 160
527 SW Hall Street
Portland, Oregon 97201

Sheet Index

ARCHITECTURAL

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- A301 OVERHEAD DOOR ELEVATIONS
- A400 DOOR SECTION
- A401 ENLARGED ELEVATION
- A402 DETAILS
- A403 DETAILS
- A901 MATERIALS SPECIFICATIONS

STRUCTURAL - Crow Engineering, LLC

- S00 STRUCTURAL WORK PLAN
- S01 OVERHEAD DOOR ELEVATIONS
- S02 OVERHEAD DOOR DETAILS

MECHANICAL

None

ELECTRICAL

None

Code / General Notes

GENERAL PROJECT SCOPE:

Work includes the installation of two rolling overhead vehicle doors and one adjacent exit egress gate. Doors are mounted to a structural steel frame and controlled by card access and in-floor vehicle activation loops.

CODE SUMMARY ANALYSIS

Analysis per the 2019 OSSC - Oregon Structural Specialty Code. All work to conform to latest applicable building codes for City of Portland, including ADA standards, Ceiling standards, Environmental and Waste management regulations.

Construction Type: TYPE - I

Occupancy: Group B - Office, Clinic

City of Portland Zone: Cxd

Existing Building is 5 Stories total: 1 basement parking level. Other floors have mix of parking & offices, or are all office and University clinic.

Total Building, Gross Floor Area = 185,319.sf

Building & Parking areas are currently Fire Sprinkled.

Floor Remodel Area: (~100) for Vehicle Overhead Door Frame Installation

There is no modification to building use or occupancy with this work. No change to fire sprinkler system.

One fire exit door is added adjacent to the vehicle overhead doors, allowing for continued general & emergency egress at this location. Doors will be secure ingress and exit always egress after hours.

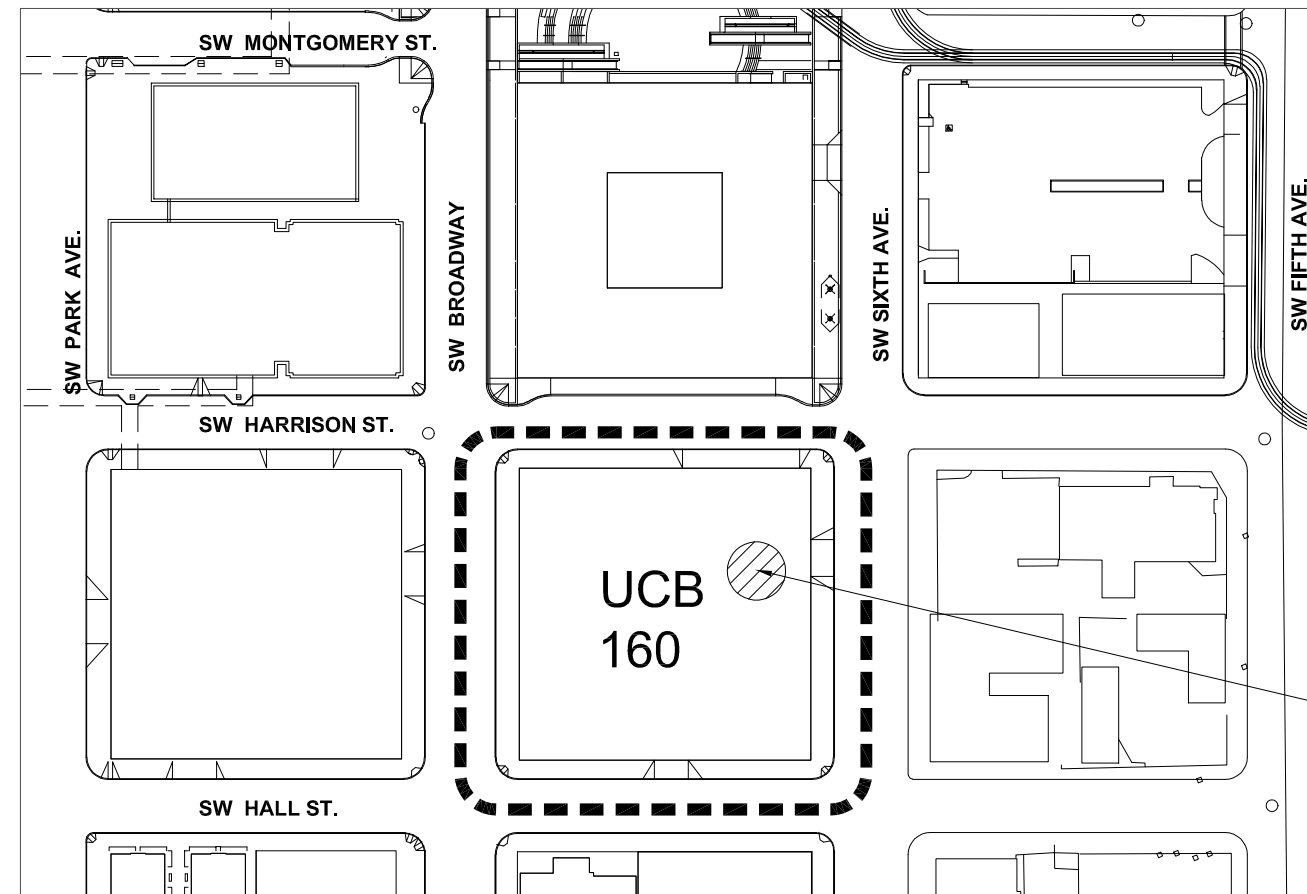
No structural modifications are anticipated other than mounting of new steel frame to concrete floor & walls. No changes to any rated wall systems will be made.

No change in building area or occupancy is required or has been made for this work.

Existing exposed concrete flooring will remain. Other existing wall & ceiling finishes in adjacent spaces will remain unchanged.

No changes will be made or required to the fire sprinkler system or fire alarm.

Site Map



PROJECT
LOCATION



Contacts

PSU Capital Projects and Construction,
University Services Building
617 SW Montgomery St. #302
Portland, OR 97201
(503) 725-3738

Jason Franklin - CPC Director
Steve Rounds - Asst. CPC Director

Anthony Bohan - Project Manager

Gerald Gotschall, AIA - Architect

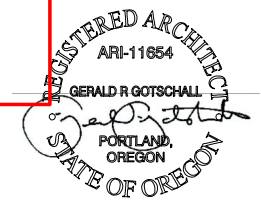
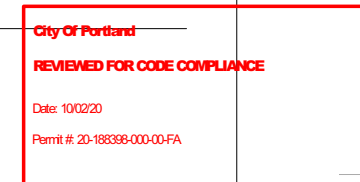
Structural Engineers:
Crow Engineering, LLC

Client Group
TAPS - PSU Transportation & Parking Services

Building Image



SECURITY GATE
INSIDE OF
LOWER ENTRY



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**COVER
GENERAL NOTES**

Revisions :

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MAY 2020

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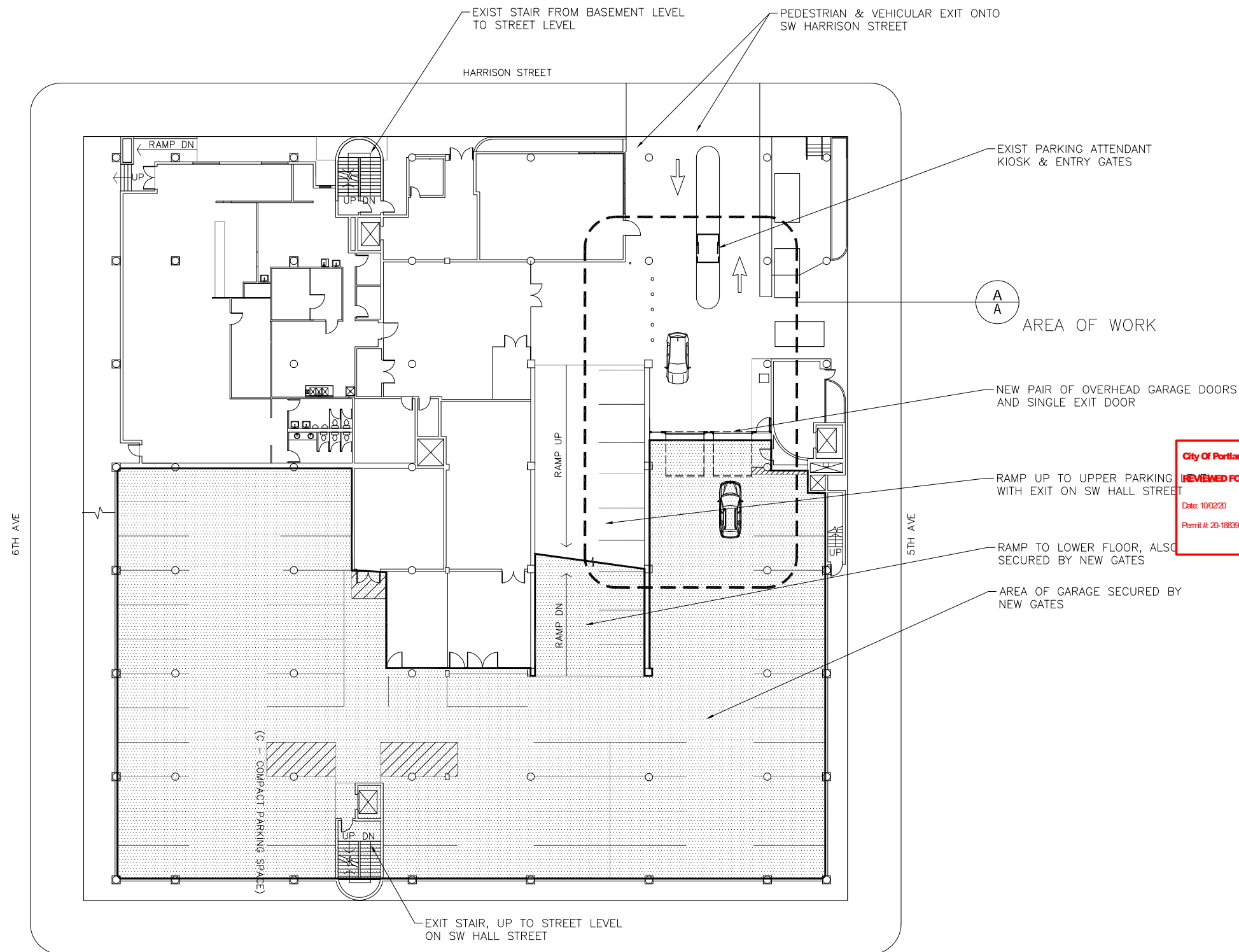
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A001

**UCB
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SECURITY GATES**

Block: 160
527 SW Hall Street
Portland, Oregon 97201



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**OVERALL
FLOOR PLAN**

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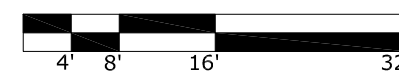
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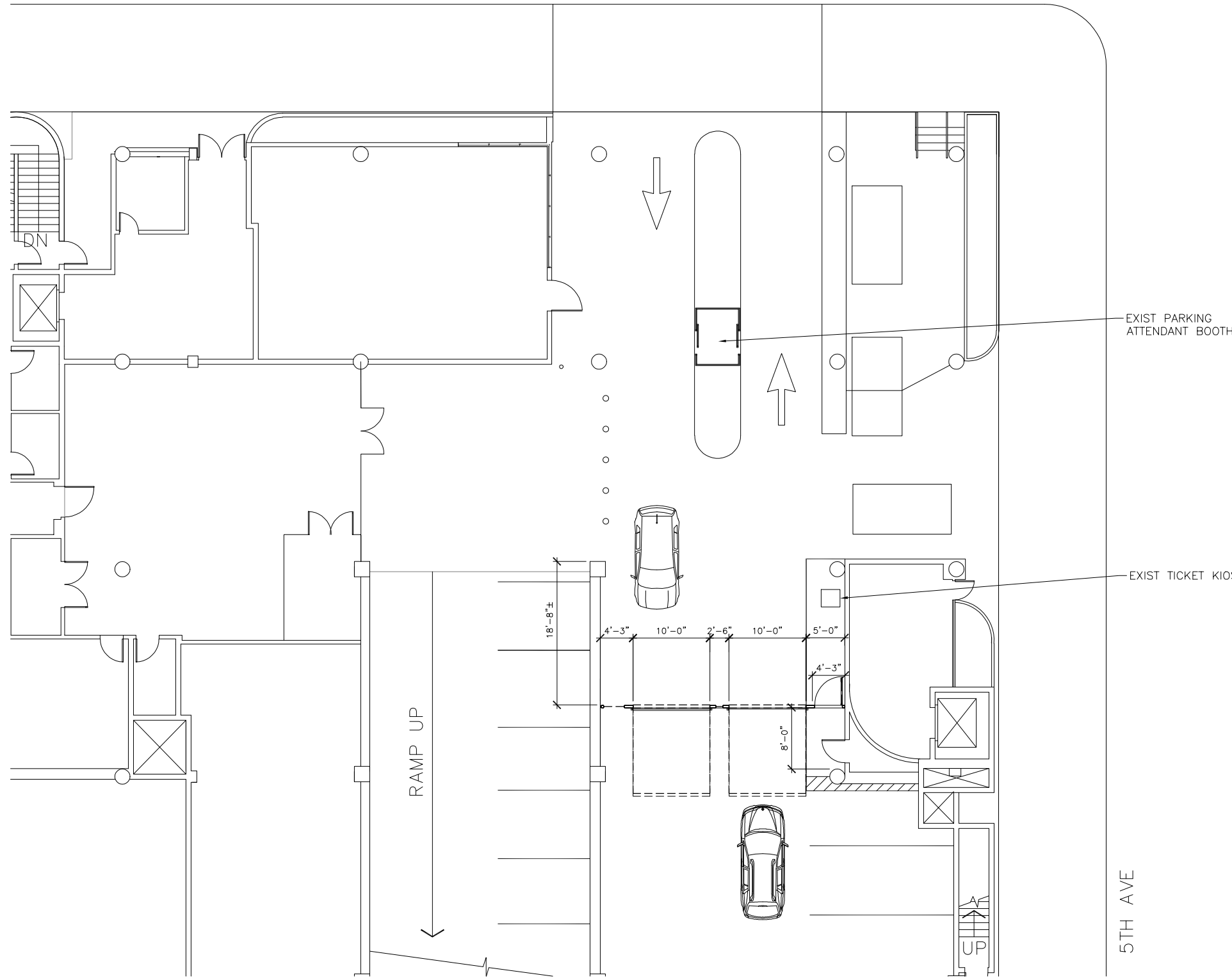
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A101

1 PARKING - STREET LEVEL 1 - OVERALL PLAN
1/16" = 1'-0"



HARRISON STREET



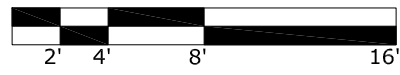
EXIST PARKING ATTENDANT BOOTH

EXIST TICKET KIOSK

5TH AVE

RAMP UP

1 PARTIAL PLAN - SECURITY DOORS
1/8" = 1'-0"



UCB PARKING SECURITY UPGRADES SECURITY GATES

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PARTIAL FLOOR PLAN at Security Doors

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A201

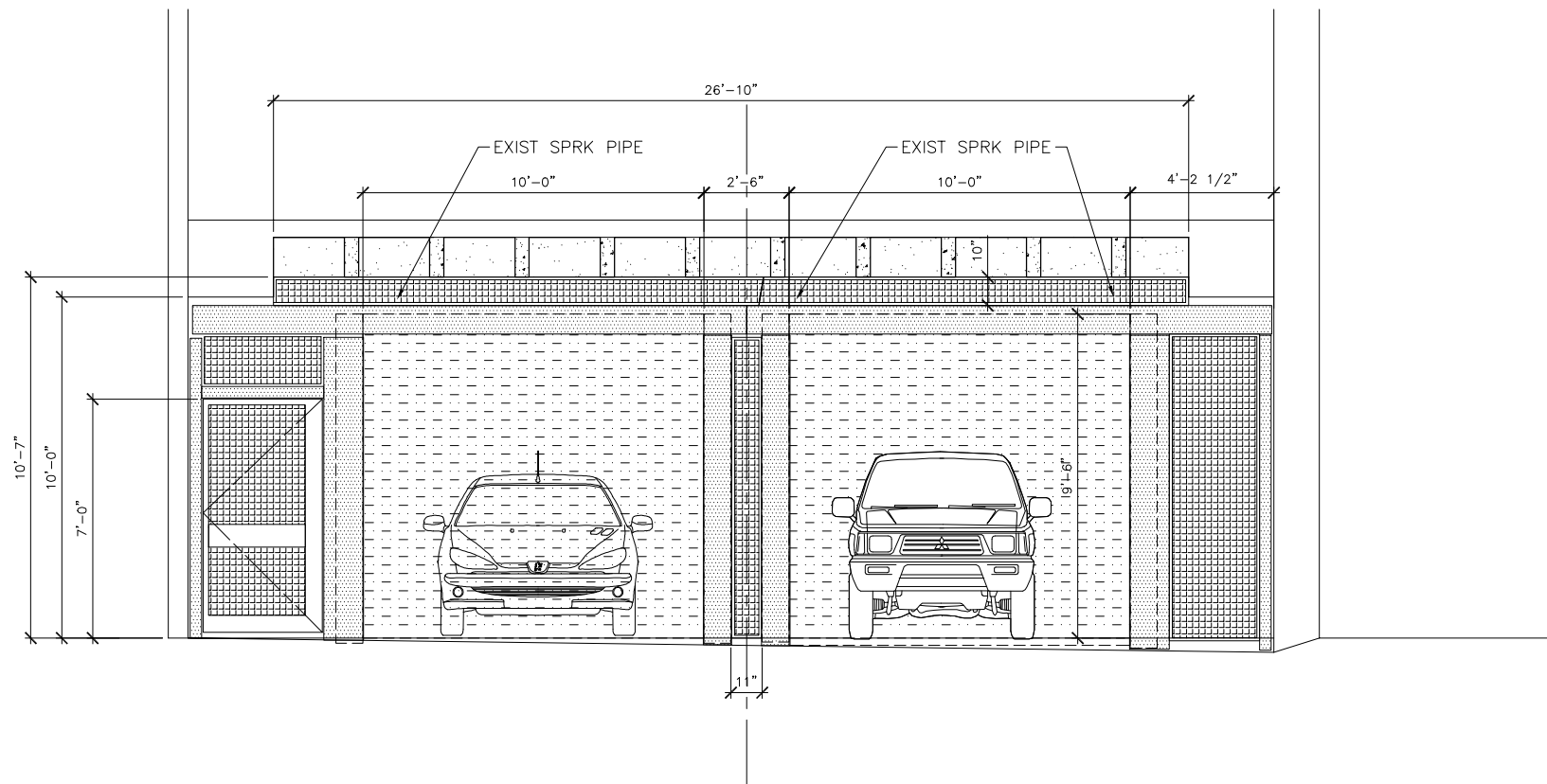


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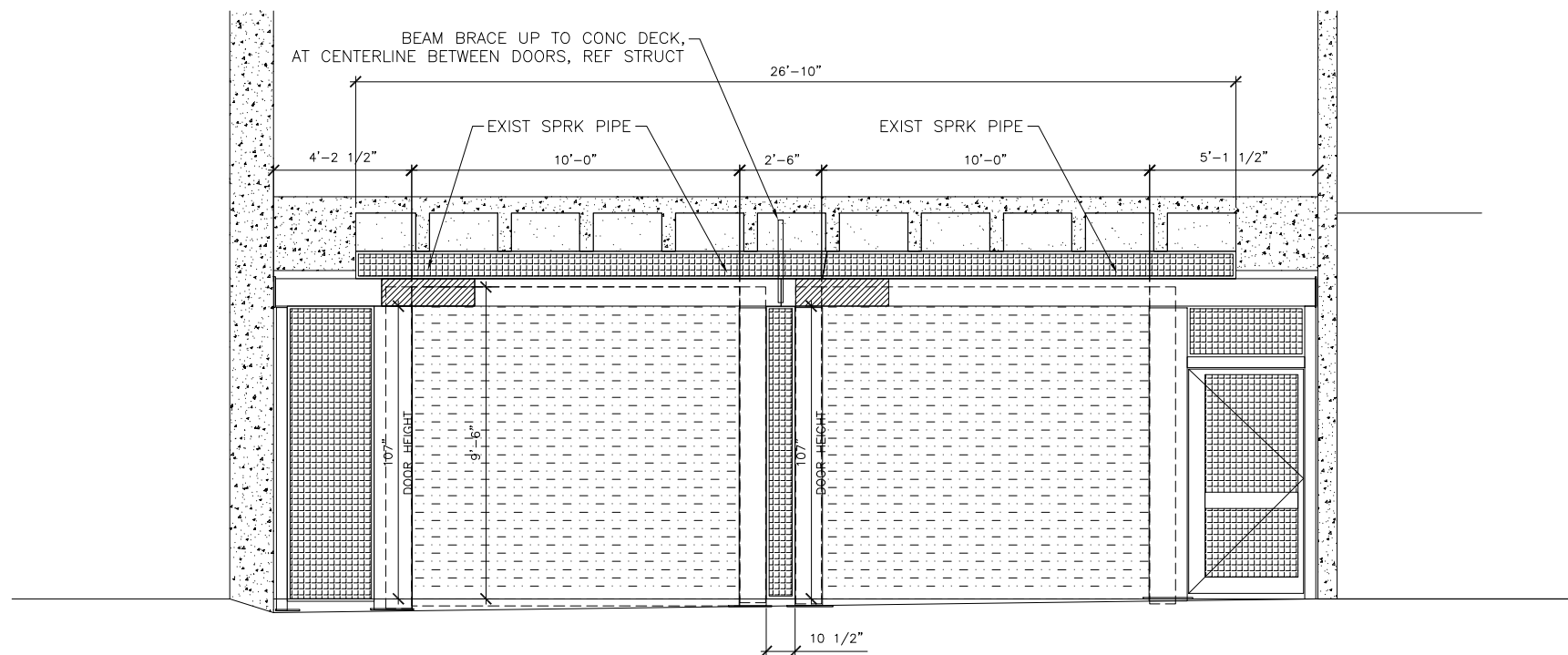
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Portland, Oregon 97201

Construction Notes

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1 DOOR ELEVATION - OUTSIDE VIEW
3/8" = 1'-0"



2 DOOR ELEVATION - INSIDE VIEW
3/8" = 1'-0"

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**OVERHEAD DOOR
ELEVATIONS**

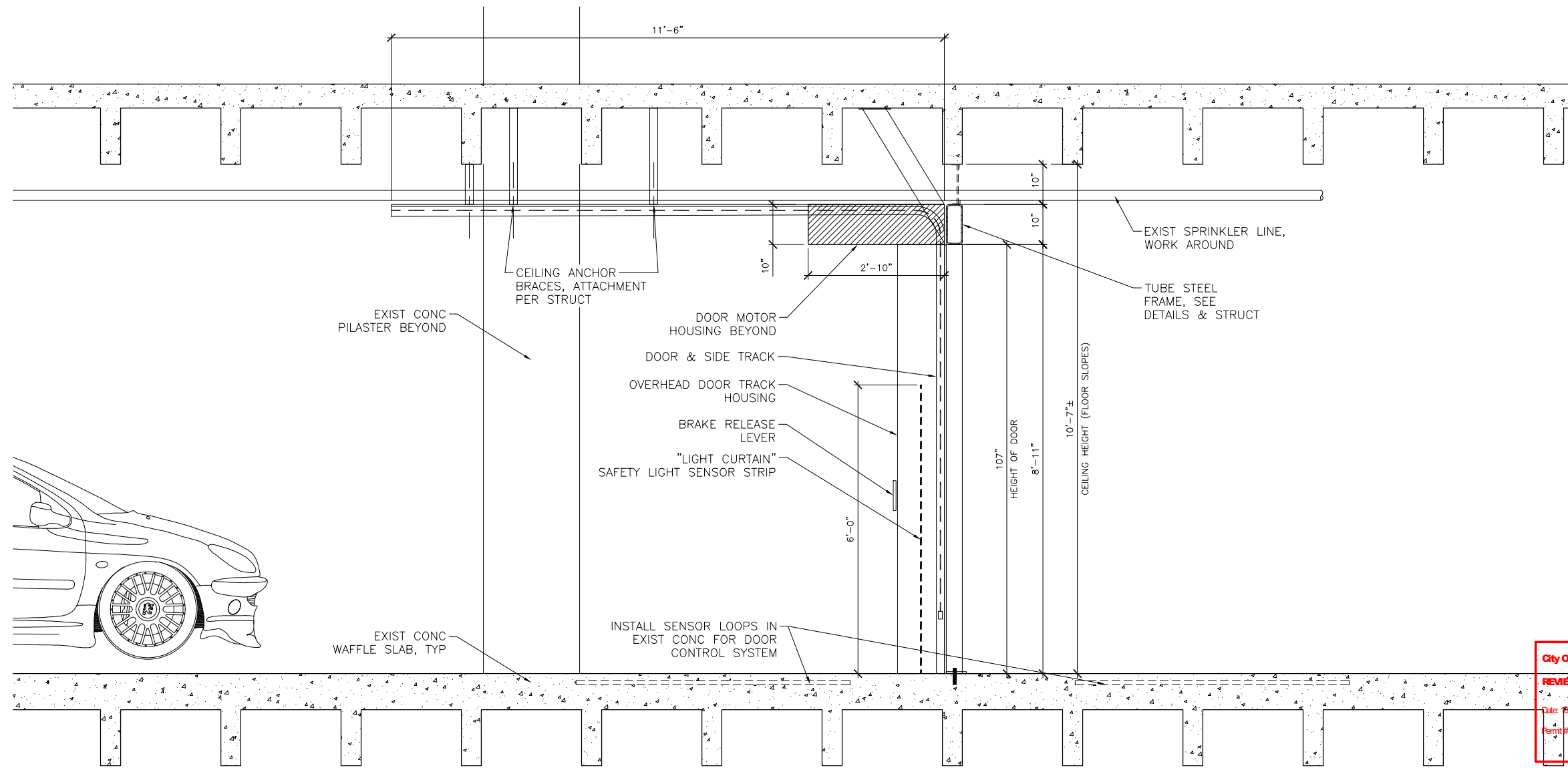
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Sheet #: **A301**

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1 SECTION
3/4" = 1'-0"

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**DOOR
SECTION**

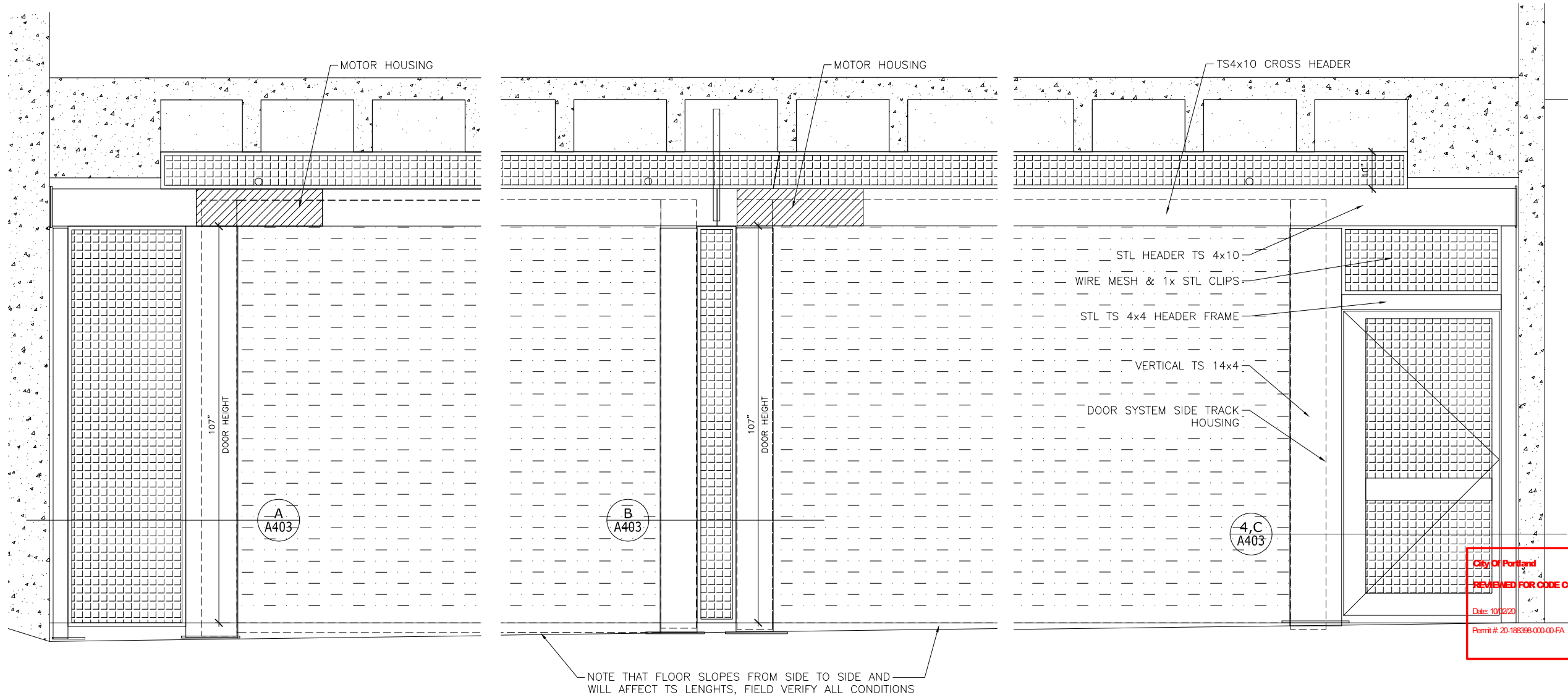
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1 DOOR ELEVATION
3/4" = 1'-0"



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**ENLARGED
ELEVATION**

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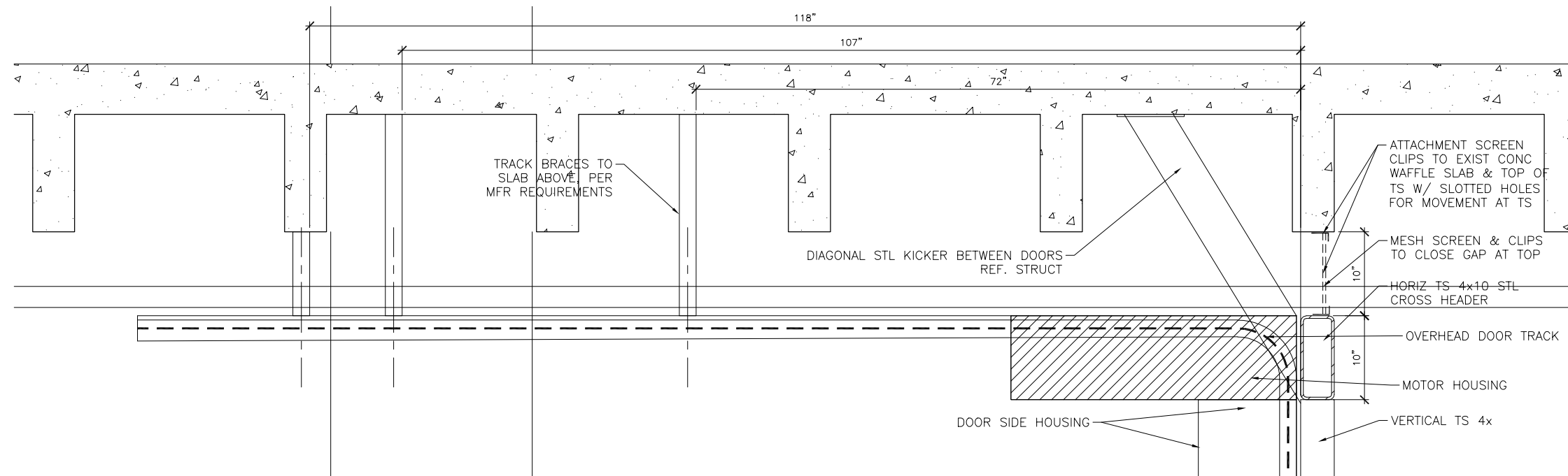
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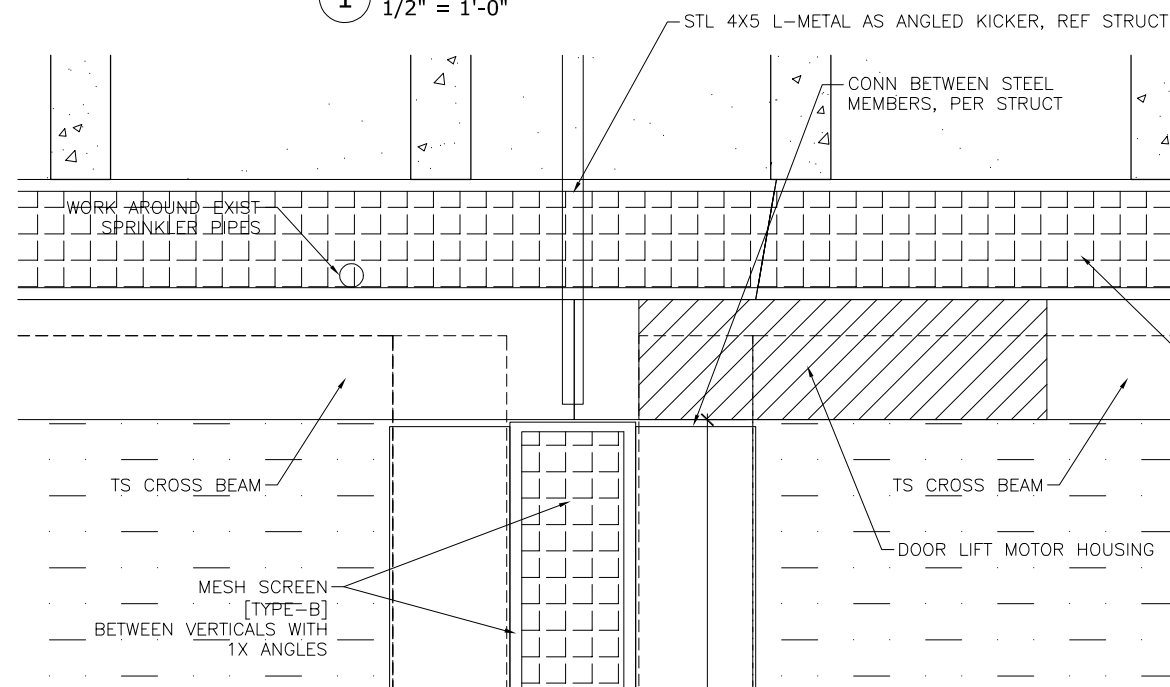
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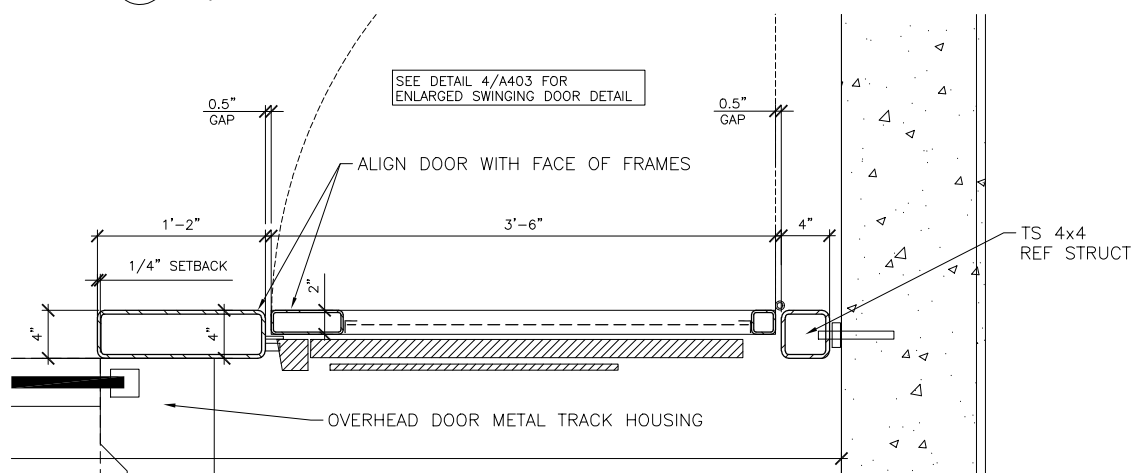
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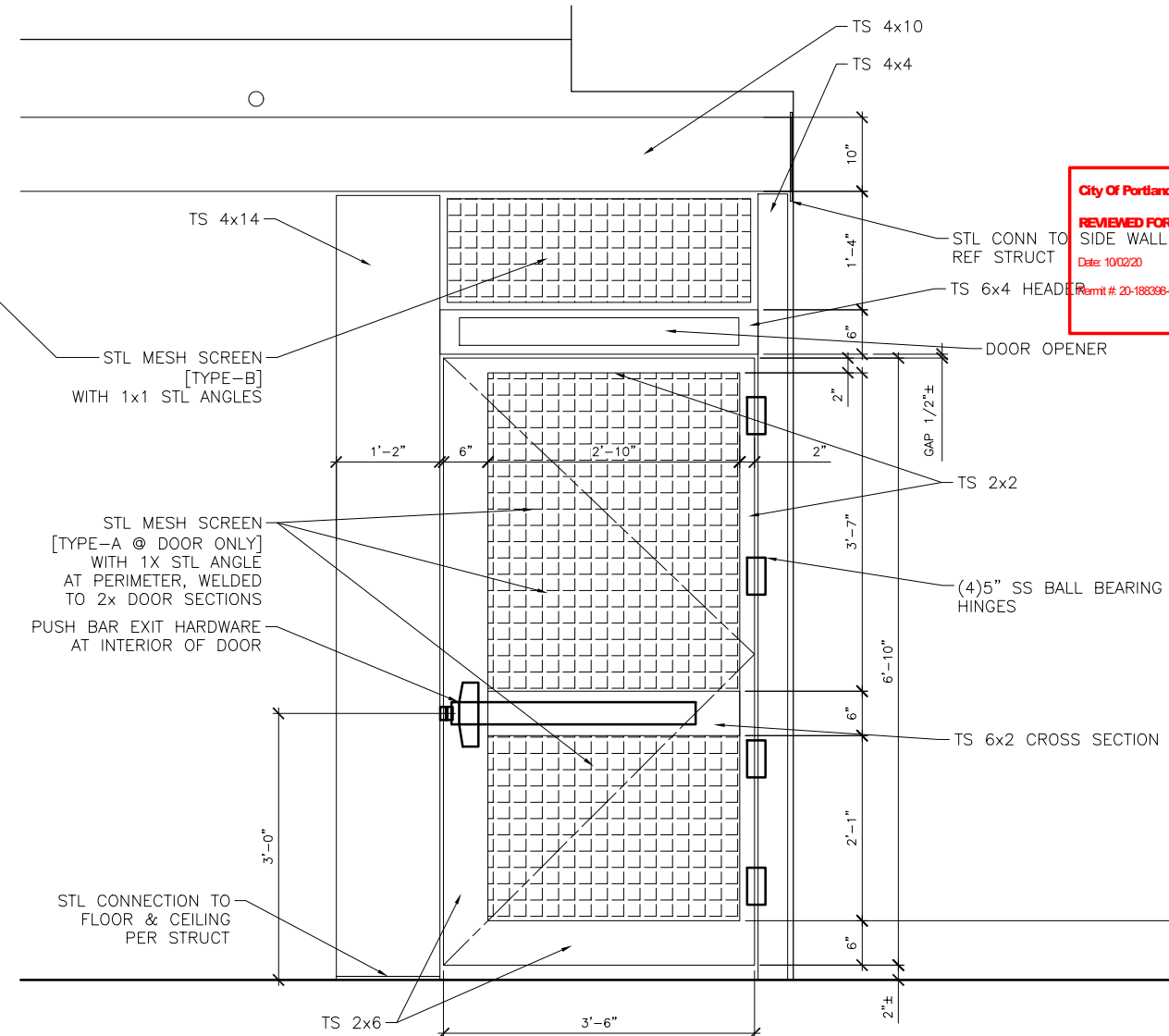
1 OVERHEAD DOOR TRACK - SECTION
1/2" = 1'-0"



2 OVERHEAD DOOR - FRAME DETAIL
1 1/2" = 1'-0"



3 SWINGING EXIT DOOR
1 1/2" = 1'-0"



4 EXIT GATE - ELEVATION
1/2" = 1'-0"

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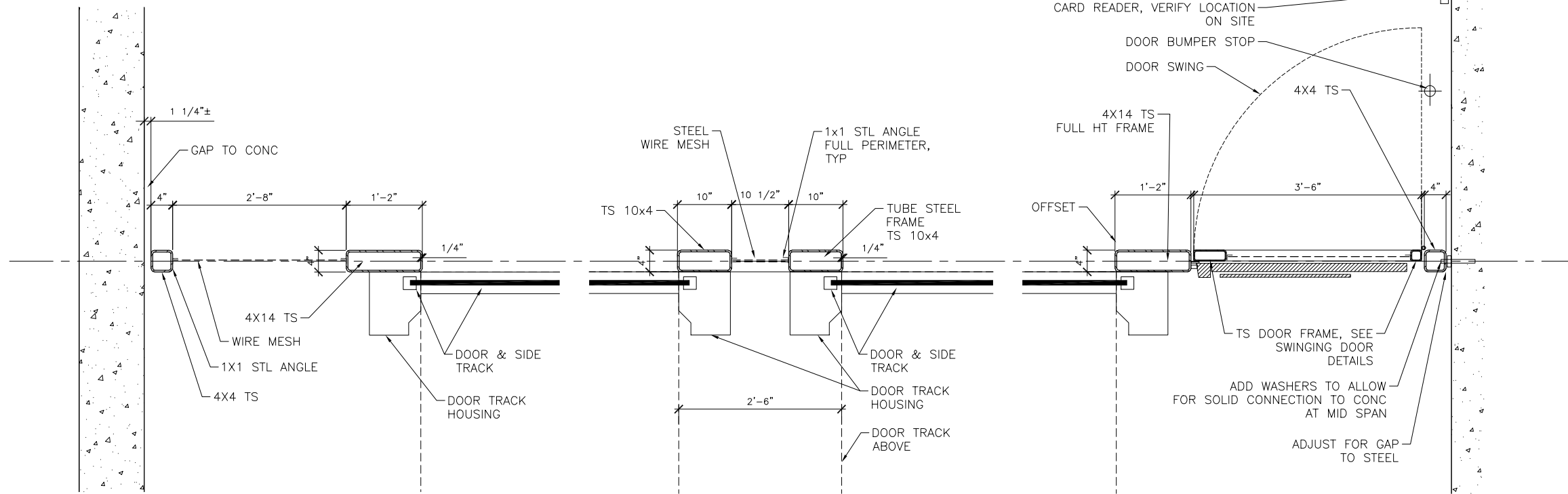
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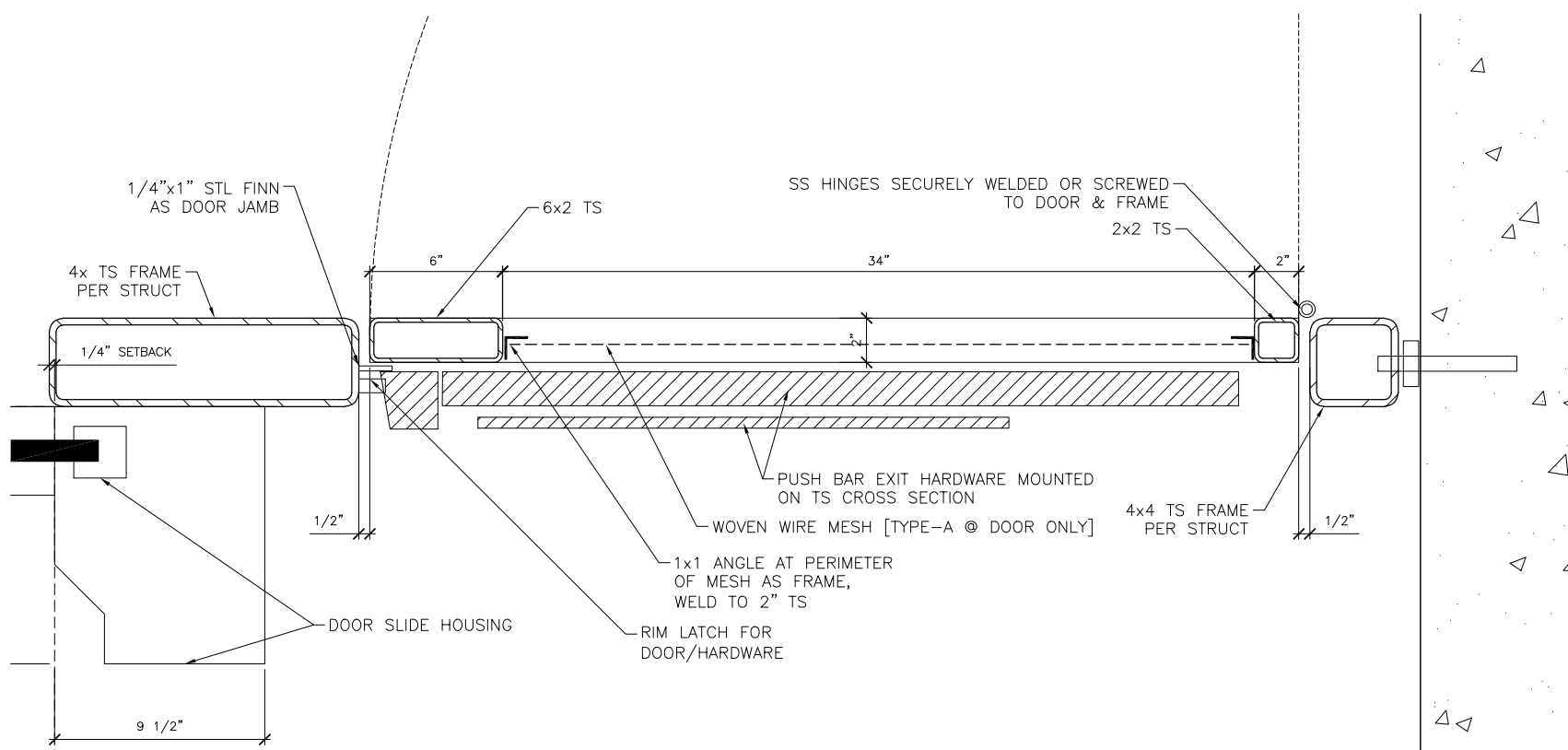
Block: 160
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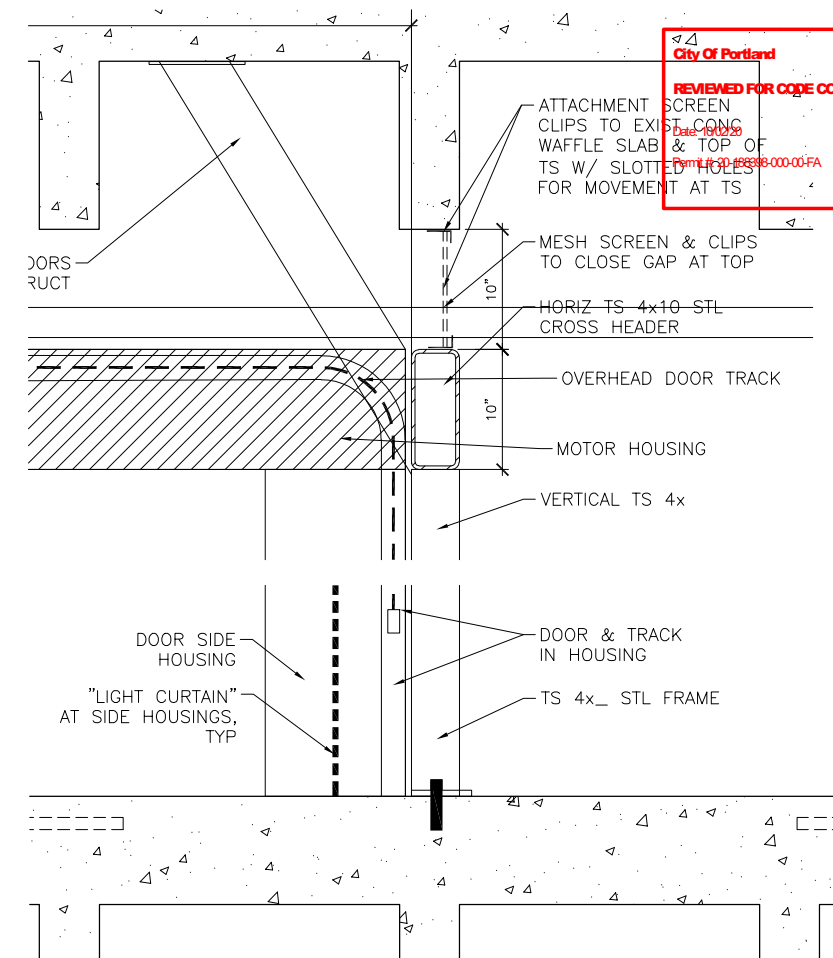
A DOOR SECTION
1" = 1'-0"

B DOOR SECTION
1" = 1'-0"

C DOOR DETAIL
1" = 1'-0"



4 SWING DOOR - DETAIL
3" = 1'-0"



3 DOOR THRESHOLD
1 1/2" = 1'-0"

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DETAILS

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A403

MATERIALS SPECIFICATOINS

Specifications Table of Contents

00001 General Spec Notes
02070 Selective Demolition

03000 STEEL MESH

08300 High Speed Rolling Garage Doors

08710 Door Hardware

09900 Painting

00001 General Spec Notes

- Codes** -- All work to conform to latest applicable codes for City of Portland, including ADA, Environmental, and Waste management regulations and shall include the following:
- Recycling Plan** -- Complete and submit the Preconstruction recycling plan as required by the City of Portland. (When applicable.)
- Completion Quality** -- All work shall be completed to provide a new, clean, patched, repaired, painted or finished, working and watertight installation per minimum industry standard for Institutional facilities. Include finishing /cleaning of carpet, waxing of floors, and cleaning of walls, ceilings, equipment, exposed surfaces of mechanical/electrical items, fixtures and furnishings where applicable.
- General Conditions of Contract** -- Contractor shall conform to the applicable PSU General Conditions of the Contract.
- Coordination** -- Contractor to review all documents and coordinate all work with subcontractors including PSU subcontractors and crews.
- Installations** -- All equipment, appliances, furnishings, cabinets, and product items to be installed according to manufacturer's specifications and recommendations for installation, and to meet all codes for a finished workable product assembly which includes ADA, structural, fire, and safety regulations. Verify all dimensions for appliances and provide manufacturers required openings.
- Submittals** -- Prior to ordering materials, Contractor shall submit to PSU Project Manager all shop drawings and product information for review & approval. Provide information for all products, equipment, fixtures to be included in the work. Submittals typically include materials sample, color options, paint swatches, data sheets and installation & warranty information.
- Dimensions** -- All drawing dimensions shall have preference over scale. Contractor is responsible to verify dimensions and field conditions against existing conditions. PSU-PM to be notified of discrepancies.
- Verify / Protect Existing** -- Verify all existing conditions. Protect existing building, property, structure and utilities from damage, and replace to existing condition if damaged during construction.
- Final Working Installation** -- Reconfigure and reconnect existing items to function with new work installations. This shall include utilities, controls, detectors, alarms, exit lighting, strobes, electric lights, power, switches, mech. diffusers, ducting, sprinklers, data, plumbing, water, sewer, and venting for a complete and coordinated working installation. Notify PSU-PM of any discrepancies.
- Structural Engineer Approvals - Penetrations of Building Structure by Contractor** -- Any penetration of the building's structural elements, including anchoring, coring, scraping, cutting or materials removal is not permitted unless approved and inspected by PSU-PM in conjunction with the Structural Engineer of Record. Work subject to special inspection shall be noted and inspected prior to cover. Work subject to certified location services shall have to be inspected to determine the location of steel reinforcing and post tension cabling. Any existing irregularities, flaws, or wear of structure that is uncovered or discovered by Contractor during the process of the work shall be immediately reported to PSU-PM and will be subject to the engineer's review, recommendations, and inspections. See Engineer's Drawings for more detail, including a listing of any special inspections known on the project.

02070 Selective Demolition

- General Demolition** -- Remove existing walls, doors, frames, finishes, electrical, mechanical, and other building items noted as "Demo", "Remove" or "Demolish" and as required to accommodate new construction. Remove all abandoned mech., elect., and plumbing lines, unless otherwise noted or agreed upon. Verify all existing structure and protect. Protect existing lobby areas, restrooms, and elevators during construction. Provide temporary access to areas that are to remain occupied and for emergency egress pathways as building will typically remain occupied during construction. Coordinate area closure schedule with PSU PM when major demolition may occur.

03000 Steel Wire Mesh

Provide the following products or approved equal at locations indicated. Include U-Edging in Stainless Steel type 304 at all edges as needed to connect to steel tubing. Provide samples during submittals (12"x12" max. sections) to verify look and pattern match between large & small mesh formats. Small format (Type A) is for increased security around door hardware. A finer mesh at doors may be required after review of samples.

TYPE-A (Door Only) McNICHOLS WIRE MESH - Designer Mesh, Talica 8146, Stainless Steel, Type 316, Woven - Twin Wire Flat Top Weave, 61% Open Area. McNichols Item No. 3181460048.

TYPE-B (All other areas) McNICHOLS WIRE MESH - Designer Mesh, TECHNIA 3150, Stainless Steel, Type 304, Woven - Double Wire Intercrimp Weave, 74% Open Area. McNichols Item No. 3831500048.

08300 High Speed Rolling Garage Doors

Provide a high speed overhead door system to be connected into control system provided by Owner.

System: Motor type: AC drive, and variable speed with soft acceleration and braking. Mechanical release lever on side column allows door to be easily opened in the event of a power failure.

GENERAL SUBMITTALS

- Submit the following:
 - Shop Drawings: Indicate pertinent dimensioning, anchorage methods, hardware locations, and installation details.
 - Product Data: Provide general construction, component connections and details, and electrical equipment, operation instructions, and information.
 - Samples: Submit samples of door slat material.
 - Manufacturer's Installation: Indicate installation sequence and installation procedures, adjustment and alignment procedures.
 - Maintenance Data: Scheduled maintenance program available to include lubrication requirements and frequency, periodic adjustments required, scheduled maintenance suggested, manufacturer's data sheets, and equipment inter-connection diagrams.

FIELD MEASUREMENTS

- Verify field measurements and include on shop drawings.

WARRANTY

- Five-year limited warranty on mechanical components, including motor assembly
- Two-year limited warranty on electrical components
- Two-year limited warranty on standard door panels, rollers, hinges and door tracks

PRODUCTS

- Rytec Corporation: Spiral LH door. Low headroom height door.

- Substitutions will be considered but should be based on the design and features of the specified Rytec Spiral LH door products.

MATERIALS

- Door Panel: Ventilated, aluminum slats are 6 inches high by 1-3/16 inches thick. Integral rubber weather seal between each of the panels. Door slats to be connected by hinge system to provide additional rigidity, support and security to door curtain. Door curtain does not require a tensioning system for additional wind/pressure resistance. Doors which require the use of a tensioning system for additional wind/pressure resistance will not be accepted.
- Side Frames: Powder coated steel side frames with full height weather seal on both sides to seal against door panel. "Intelligent" Advanced³ Light Curtain System mounted directly in door line (to 6'0" above finished floor). Doors using an external coil cord will not be accepted.
- Bottom Bar: Extruded aluminum bottom bar with electric, reversing edge that reverses the door upon contacting an object.
- Counterbalance: Up to six extension springs in each side column, depending on the size of the door. Springs assist the motor in opening the door. Mechanical release lever on side column allows door to be easily opened in the event of a power failure. Doors using torsion springs for counterbalance or doors with springs located within a barrel will not be accepted.
- Drive system: Minimum 2 HP motor with variable speed AC drive which allows for soft acceleration and braking. Doors using a motor with a clutch or pump will not be accepted.
- Travel Speed: Adjustable, through control box, and factory-set to open at 60 inches per second and close at 24 inches per second.

- Electrical Controls: *Overhead door controls shall be coordinated with PSU-PM for future installation of control loop in slab and card swipe access on campus wide access system. Limits of controls for overhead doors shall end with providing power to manufacturer's control box mounted on wall with ability to connect to other sensors in the future.*

- Rytec controller housed in a UL/cUL Listed NEMA 4X-rated enclosure with factory set parameters.
- Parameter changes and all door configurations can be made from the face of the control box, no exposure to high voltage. Control panels that require opening of the control box and reaching inside to make parameter changes will not be accepted.
- Controls include a variable speed AC drive system capable of infinitely variable speed control in both directions. Programmable inputs and outputs accommodate special control applications (traffic lights, horns, actuation devices, timing sequences, etc.) without the need for additional electrical components.
- Self-diagnostic scrolling two-line vacuum fluorescent display provides expanded informational messages for straightforward installation, control adjustments and error reporting.
- All errors have a time and date stamp for reference.

- Door to use rotary encoder to regulate door travel limits. Limits to be adjustable, without the use of tools, from floor level at the control panel. Doors using mechanical limits switches or doors that require tools to set the limits will not be accepted.

- Door Track: Spiral LH track design features no metal-to-metal contact which results in ultra-quiet, low maintenance operation and eliminates wear on panel slats. Overhead tracks roll back and travel horizontally to accommodate limited headroom of as little as 10". Doors that roll up on a barrel or whose track design allows metal-to-metal contact will not be accepted.

- Wind load: Door testing indicates the door is capable of withstanding winds up to 127 mph (20 psf).

- Required Maintenance: No lubrication of any kind required anywhere on the door or its components. Minimum estimated life expectancy of any component on door to be no less than approximately 200,000 cycles.

EXECUTION

EXAMINATION

- Verify that opening sizes, tolerances, and conditions are acceptable.

INSTALLATION

- Install door unit assembly in accordance with manufacturer's instructions.
- Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.
- Fit and align assembly including hardware; level to plumb to provide smooth operation.
- Coordinate installation of electrical service. Complete wiring from disconnect to unit components.

ADJUSTING

- Adjust door and operating assemblies.
- Test and adjust door(s), if necessary, for proper operation.

CLEANING

- Clean door and components.

08710 Door Hardware

All hardware listed is basis of design or approved equal meeting all characteristics specified. *Schlage & Von Duprin hardware are the PSU Standard and is requested with no substitute to work with existing keying & hardware maintenance protocols. Other products may have substitutions requested through the PSU PM for equal products during the submittal process. Contractor must provide full comparison of features.*

Hinges: 3 ea for heavy weight door. Size: 5.0" x 5.0"

MFR: Stanley, Model: FBB168, Steel primed for painting. Full mortise, ball bearing hinges. NRP Non-Removable Pins. Machine screws for attachment to tube steel door & tube steel frame.

Door Operator:

Provide ADA auto door opener / closer at push side of swinging door.

MFR: LCN, Model: Senior Swing, 9540 (push side) electro mechanical auto opener with related signaling coordinated with badge card swipe access controls. Wall mount ADA button controls, each side. 4-1/2" Round actuator button with wheel chair symbol engraved with blue coloring. Use with surface mounting box and weather seal trim ring.

Exit Push Bar:

Provide stainless steel push bar exit hardware on door.

MFR: Von Duprin, Model: XP98-F Series - smooth case. Features to be included: XP for added security latch, 98-F Fire exit device (with no dogging), size for use on 42" wide door, -QEL Quiet electric latch retraction, Standard strike -909. Finish: 630 - Satin Stainless Steel for exterior applications. Lever: Style-06 in Satin Stainless steel 630 finish. Trim: Style-996L-NL with finish to match Lever. Cylinder: Provide cylinder ready to receive PSU provided core, Full Size Interchangeable Core (F5IC).

Strike: Standard rim device strike IF use with QEL (Quiet electric latch retraction) on push bar.

Alternate Strike: Provide electric strike for use with rim latch exit device (if not using electronic retraction.) Provide heavy-duty stainless steel construction, brushed satin finish. Conceal wiring in tube steel, coordinate during installation of steel frame.

MFR: Von Duprin, Model: 6300 Series Electric Strike. Install with tamper resistant fasteners.

Kick Plate:

Provide SS kick plate (or mop plate) on bottom of door, push side. MFR: Ives, Trimco, or approved equal. Model: Mop plate, 5" x 40", Stainless steel brushed finish. For mounting on face of interior tube steel bottom frame of door.

Depending on site conditions, provide one of the following door stops:

Wall Door Stop: Trimco 2.125" dia. wall mounted door bumper stop, Model: 1270CX.626 - Steel, convex wall bumper with single concealed mounting screw. Finish: 625, Satin Chrome.

Floor Door Stop: Ives floor mounted stop for use on masonry floors, non-marring rubber tip, brass with satin chrome (US26D) finish. 3"H x 2.5" dia. base. Fasteners for masonry floor installations. Model: FS444.

09900 Interior Painting

- Paint Manufacturers:** MFR: Miller Paint Co. or approved equal. Assume (1) field color & (1) accent color (on steel frame & door) to be determined / matching existing.

- Paint Products:**

- Primers** for use at new interior wallboard, plaster, or masonry substrates, or for heavily modified wall surface finishes. Consult MFR for use on Ferrous Metal, Galvanized Metal or Aluminum. Basis of Design: Acro Pure by Miller Paint. Ultra Low VOC, Interior Primer 210-0-11 (6440). Acrylic latex, low-odor, low VOC, antimicrobial enhance, water-based. MPI Gloss Level 1. Install per MFR's recommendations.

- Finish Paint** for use on properly prepared and primed or previously painted drywall, plaster, or masonry. Basis of Design: Acro Pure by Miller Paint. Ultra-Low VOC Interior Satin 110-4-XX (1450). Acrylic, low-odor, low VOC, antimicrobial enhances, water-based. MPI Gloss Level 3. Color as scheduled. Install per MFR's recommendations.

- Finish Paint** for use on properly prepared and primed or previously painted metal Lites, Frames & Relites. Basis of Design: Acrimetal DTM Satin Interior/Exterior Latex 110-4-XXX (5100). Water based, primer/finish capable and direct to metal applications, low VOC, with rust inhibitive pigments, MPI Gloss Level 3. (3) Finish coats. Color as scheduled. Install per MFR's recommendations.

- Samples** -- Submit (2) 8-1/2" x 11" draw-down samples of each color & product specified on suitable card material for review and to match to existing if applicable.

- Paint Locations:** Paint all areas / surfaces that are part of renovation work - finish as required at new and existing gypsum board & concrete walls. Paint areas identified on plans. Paint new or re-installed installations of electrical, mechanical, plumbing, or other new or reinstalled equipment items. On concrete walls around new doors, paint 5'-0" to either side of gates to cover concrete walls that may have been affected by Work. Paint all new steel on frame & door.

END OF SPECIFICATIONS



PSU Capital Projects & Construction

UCB PARKING SECURITY UPGRADES SECURITY GATES

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SPECS Materials Specifications

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GENERAL REQUIREMENTS:

- THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS SPECIFICALLY NOTED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
- THESE PLANS AND SPECIFICATIONS AND THE ENGINEERING AND DESIGN WORK THEY PERTAIN TO ARE INTENDED SOLELY FOR THE PROJECT SPECIFIED HEREIN. CROW ENGINEERING, INC. DISCLAIMS ALL LIABILITY IF THESE PLANS AND SPECIFICATIONS OR THE DESIGN, ADVICE, AND INSTRUCTIONS PERTAINING THERETO ARE USED ON ANY PROJECT OR AT ANY LOCATION OTHER THAN THE PROJECT AND LOCATIONS SPECIFIED HEREIN.
- CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPORT ANY ERRORS, OMISSIONS, OR POSSIBLE DISCREPANCIES BETWEEN FIELD CONDITIONS AND DRAWINGS TO THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. SPECIAL CARE SHALL BE GIVEN TO SITE AND BUILDING LAYOUT THEREON.
- THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND EQUIPMENT NECESSARY TO PROTECT THE STRUCTURE, WORKMEN AND OTHER PERSONS AND PROPERTY DURING CONSTRUCTION. THE CONTRACTOR SHALL AT HIS EXPENSE ENGAGE PROPERLY QUALIFIED PERSONS TO DETERMINE WHERE AND HOW TEMPORARY PRECAUTIONARY MEASURES SHALL BE USED AND INSPECT THE SAME IN THE FIELD. OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE OBSERVANCE OF ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS DURING CONSTRUCTION, INCLUDING THE INSTALLATION OF UNDERGROUND SERVICES.
- WORK THESE DRAWINGS WITH CIVIL, MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS.
- NO PIPES, DUCTS, SLEEVES, CHASES, ETC., SHALL BE PLACED IN SLABS, BEAMS, OR WALLS UNLESS SPECIFICALLY SHOWN OR NOTED. NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS, ETC., UNLESS OTHERWISE NOTED. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FOR INSTALLATION OF ANY ADDITIONAL PIPES, DUCTS, ETC. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS.
- NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
- NO CHANGES SHALL BE MADE TO THESE DRAWINGS WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE STRUCTURAL ENGINEER.
- WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM.
- SHOP DRAWINGS OF NEW ELEMENTS SHALL BE SUBMITTED TO BUILDING DEPARTMENT:
 - STRUCTURAL STEEL
 - CONCRETE EMBEDS
 ENGINEERED CALCULATIONS STAMPED BY A REGISTERED ENGINEER IN THE STATE OF THE PROJECT SHALL ACCOMPANY ALL SHOP DRAWINGS WHICH REQUIRE DESIGN BY THE SUPPLIER AS REQUIRED ELSEWHERE IN THE SPECIFICATIONS. ALL SHOP DRAWING SUBMITTALS RECEIVED ARE UNDERSTOOD TO REPRESENT THE PRODUCT WHICH THE PRIME CONTRACTOR INTENDS TO PROVIDE FOR THE PROJECT. WITH THAT UNDERSTANDING, THE CONTRACTOR IS EXPECTED TO CHECK THE SHOP DRAWINGS PRIOR TO SUBMITTING THEM TO THE ENGINEER. SUBMITTALS SHALL INCLUDE EVIDENCE THAT THIS CHECK HAS BEEN PERFORMED. SHOP DRAWINGS WHICH ARE SUBMITTED WILL BE REVIEWED BY THE ENGINEER FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THESE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS, WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE. FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION INCLUDING TEMPORARY BRACING AND SHORING, COORDINATION OF WORK WITH THAT OF ALL OTHER TRADES, AND THE SATISFACTORY PERFORMANCE OF CONTRACTOR WORK.
- OPTIONS, IF PROVIDED HEREIN, ARE FOR THE CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, SHALL COORDINATE ALL DETAILS, SHALL OBTAIN ALL REQUIRED APPROVALS, AND PAY ALL COSTS INCIDENT THERETO. REJECTION OF MATERIALS AND WORKMANSHIP. ANY MATERIAL FOUND NOT TO MEET THE SPECIFICATIONS SHALL BE REMOVED FROM THE SITE IMMEDIATELY. IMPROPER MATERIAL ALREADY INSTALLED OR MATERIALS IMPROPERLY INSTALLED SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. IF THE CONTRACTOR SO ELECTS, INDIVIDUAL SITUATIONS WILL BE EVALUATED FOR POSSIBLE ACCEPTANCE IF CERTAIN MODIFICATIONS AS DETERMINED OR APPROVED BY THE ENGINEER OF RECORD ARE MADE. THE CONTRACTOR WILL BE BILLED BY THE ENGINEER AT THE ENGINEER'S NORMAL HOURLY RATE FOR ANY TIME SPENT EVALUATING AND/OR REDESIGNING FOR SUCH OCCURRENCES.

STRUCTURAL STEEL

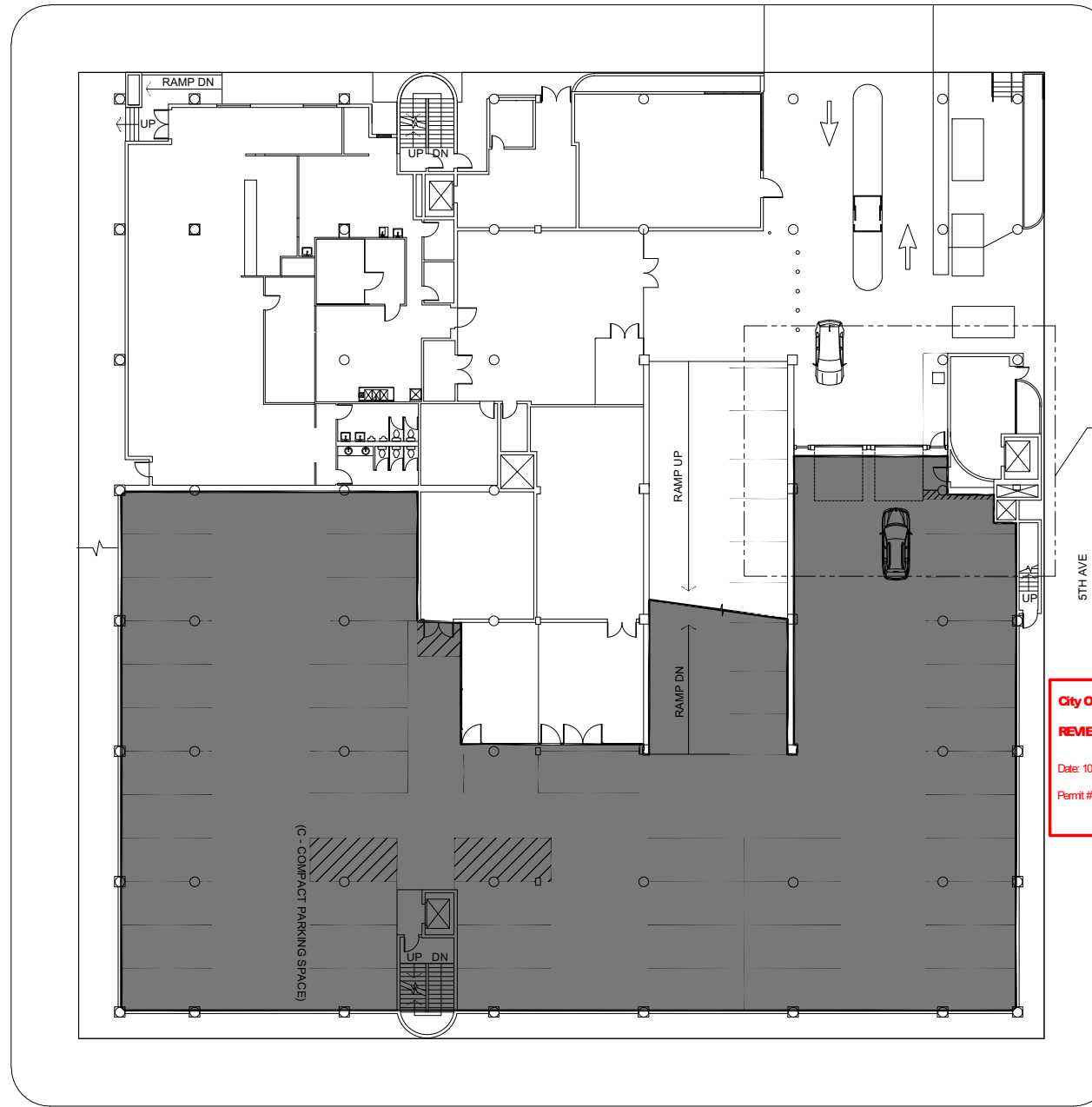
- STEEL PIPE SHALL CONFORM TO ASTM A53, GRADE B, TYPE E OR S, (Fy = 35 KSI).
- MISCELLANEOUS SHAPES AND PLATES SHALL CONFORM TO ASTM A36, UNLESS OTHERWISE NOTED.
- BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A307, GRADE A, UNLESS OTHERWISE NOTED.
- ALL WELDING SHALL BE BY THE ELECTRIC SHIELDED ARC PROCESS, USING E70-XX ELECTRODES AND SHALL COMPLY WITH AWS D1.1 SPECIFICATIONS FOR WELDING AND FABRICATION.
- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE "AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- GIRDERS OF STEEL FRAMES SHALL BE SUPPORTED AT ALL TIMES UNTIL CONNECTIONS ARE FULLY WELDED AT DESIGNATED FIELD SPLICES TO PREVENT EXCESSIVE BENDING FROM THEIR OWN WEIGHT.
- NO WELDING SHALL BE DONE UNTIL AS MUCH OF THE STRUCTURE THAT WILL BE STIFFENED THEREBY HAS BEEN PROPERLY ALIGNED.
- SEQUENCE OF PLACING WELDS SHALL BE SUCH AS TO AVOID DISTORTION OF MEMBERS.
- ONE-SIDED CONNECTIONS WILL NOT BE PERMITTED UNLESS DETAILED ON THE DRAWINGS.
- ALL BUTT WELDS SHALL BE FULL PENETRATION UNLESS OTHERWISE DETAILED ON THE PLANS.
- ALL SHOP WELDING SHALL BE PERFORMED BY WELDERS HAVING A CURRENT AWS CERTIFICATE FOR THE TYPE OF WELDING BEING PERFORMED AND IN A SHOP LICENSED BY THE LOCAL AUTHORITY.
- A CERTIFICATE OF FABRICATION FROM THE SHOP PERFORMING THE WELDING OR A REPORT FROM THE SPECIAL INSPECTOR MUST BE FURNISHED TO THE JOB INSPECTOR PRIOR TO FRAMING APPROVAL.
- ALL FIELD WELDING SHALL BE DONE BY CERTIFIED WELDERS AND CONTINUOUSLY INSPECTED BY A LICENSED INSPECTOR APPROVED BY THE LOCAL AUTHORITY.
- SHOP PAINT ALL STEEL EXCEPT STEEL TO BE ENCASED IN CONCRETE, SURFACES TO BE WELDED, CONTACT SURFACES TO BE HIGH STRENGTH BOLTED. AFTER THE ERECTION IS COMPLETE TOUCH-UP ALL SHOP PRIMING COAT DAMAGED DURING TRANSPORTATION OR ERECTION AND PRIME ALL FIELD WELDS. ALL PRIMER PAINT SHALL CONFORM WITH FEDERAL SPECIFICATION TT-P-615D (2), TYPE 1.

SPECIAL INSPECTION:

GENERAL NOTES ON INSPECTIONS

- INSPECTION, OBSERVATION AND TESTING REQUIREMENTS HAVE BEEN ESTABLISHED PER 2014 OREGON STRUCTURAL SPECIALTY CODE.
 - REFERENCE PROJECT DRAWINGS, SPECIFICATIONS, AND IBC SECTION 110 AND 17 FOR REQUIREMENTS
 - ABBREVIATIONS USED

EOR	ENGINEER OF RECORD
AHJ	AUTHORITY HAVING JURISDICTION
- SPECIAL INSPECTIONS AND STRUCTURAL TESTING (IBC SECTION 1705)
 - THE OWNER, OR OWNER'S REPRESENTATIVE, SHALL EMPLOY AN APPROVED AGENCY TO PERFORM SPECIAL INSPECTIONS
 - SPECIAL INSPECTION SHALL BE ACCOMPLISHED BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY CURRENTLY CERTIFIED AND APPROVED BY THE BUILDING OFFICIAL
 - THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS
 - CONTINUOUS SPECIAL INSPECTION REQUIRES THE SPECIAL INSPECTOR TO BE ON THE SITE AT ALL TIMES OBSERVING THE WORK REQUIRING SPECIAL INSPECTION. INSPECTIONS MUST BE PERFORMED BEFORE FINAL ACCEPTANCE OF THE ITEM.
 - PERIODIC SPECIAL INSPECTION REQUIRES THE SPECIAL INSPECTOR TO BE ON SITE AT TIME INTERVALS NECESSARY TO CONFIRM THAT ALL WORK REQUIRING SPECIAL INSPECTION IS IN COMPLIANCE. OPERATIONS NEED NOT BE DELAYED PENDING INSPECTIONS
 - SPECIAL INSPECTION IS NOT REQUIRED FOR WORK PERFORMED ON THE PREMISES OF AN APPROVED FABRICATOR PER IBC SECTION 1704.2.5.2
- THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OF RECORD, ARCHITECT OF RECORD AND OTHER DESIGNATED PERSONNEL.
 - ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR FOR POSSIBLE CORRECTIVE ACTIONS, THEN IF STILL NOT IN CONFORMANCE REPORTED TO THE EOR AND THE BUILDING OFFICIAL
 - THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS COMPLETED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. ANY INSPECTIONS OR TESTING WHICH IS NOT IN ACCORDANCE SHALL BE CLEARLY INDICATED
- SPECIAL INSPECTION AND TESTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF IBC SECTION 17 AND ANY ADDITIONAL REQUIREMENTS OF THE BUILDING OFFICIAL. OMISSION FROM THE LISTED REQUIREMENTS DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING INSPECTION AND TESTING REQUIRED BY THE IBC, SPECIFICATIONS, OR THE BUILDING OFFICIAL.
 - CONTRACTOR RESPONSIBILITY (IBC 1704.4)
 - CONTRACTOR SHALL CONVENE A PRE-CONSTRUCTION MEETING WITH THE EOR, AHJ, AND SPECIAL INSPECTOR WHERE THE REQUIREMENTS FOR SPECIAL INSPECTION, TESTING AND STRUCTURAL OBSERVATIONS AND INSPECTION SCHEDULE ARE DISCUSSED. MEETING MINUTES SHALL BE PROVIDED TO THE AHJ AND MAINTAINED ON-SITE AT ALL TIMES



1 Penthouse Floor Existing Vicinity
1/16" = 1' - 0" on 22"x 34" Sheet

City of Portland Sheet Notes

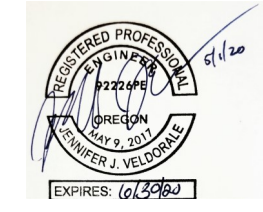
REVIEWED FOR CODE COMPLIANCE

A. AREA OF WORK - PARKING LEVEL 1

Date: 10/02/20

Permit #: 20-188368-00-00-FA

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VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO ACCOMMODATING NEW CONSTRUCTION

STATEMENT OF SPECIAL INSPECTION			
ITEM	SPECIAL INSPECTION	STRUCTURAL OBSERVATION	IBC SECTION
POST-INSTALLED ANCHORAGE	X		1705.17
COMMENTS: ITEMS INDICATE WITH AN "X" ABOVE INDICATE THE REQUIREMENT FOR SPECIAL INSPECTION AND/OR STRUCTURAL OBSERVATIONS SEE GENERAL NOTES ON INSPECTIONS BELOW FOR ADDITIONAL INFORMATION.			

CONCRETE CONSTRUCTION (IBC TABLE 1705.3)			
VERIFICATION AND INSPECTION TASK	INSPECTION		
	CONTINUOUS	PERIODIC	COMMENTS
INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS IN HORIZONTALLY OR UPWARDS INCLINED ORIENTATION RESISTING SUSTAINED LOADS	X		1
INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS IN CONDITIONS NOT DESCRIBED ABOVE		X	1
COMMENTS: 1. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE DESCRIBED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE (ICC, IAPMO, ECT.) PER ACI 308.2			

Issued for Construction
Date: 05-08-2020

Sheet Title:
Structural Work Plan

Revisions: ISSUED FOR CONSTRUCTION Date: 05/08/2020

Drawn: KIPA
Checked: JJV

S0.0

UCB PARKING SECURITY UPGRADES

(Block: 1600)
527 SW HALL ST
Portland, Oregon 97201

CROW ENGINEERING CIVIL STRUCTURAL MECHANICAL

9925 SW Nimbus Ave, Suite 110 Beaverton, OR 97008-7592
crowengineering.com

p (503) 213-2013
f (503) 213-2018

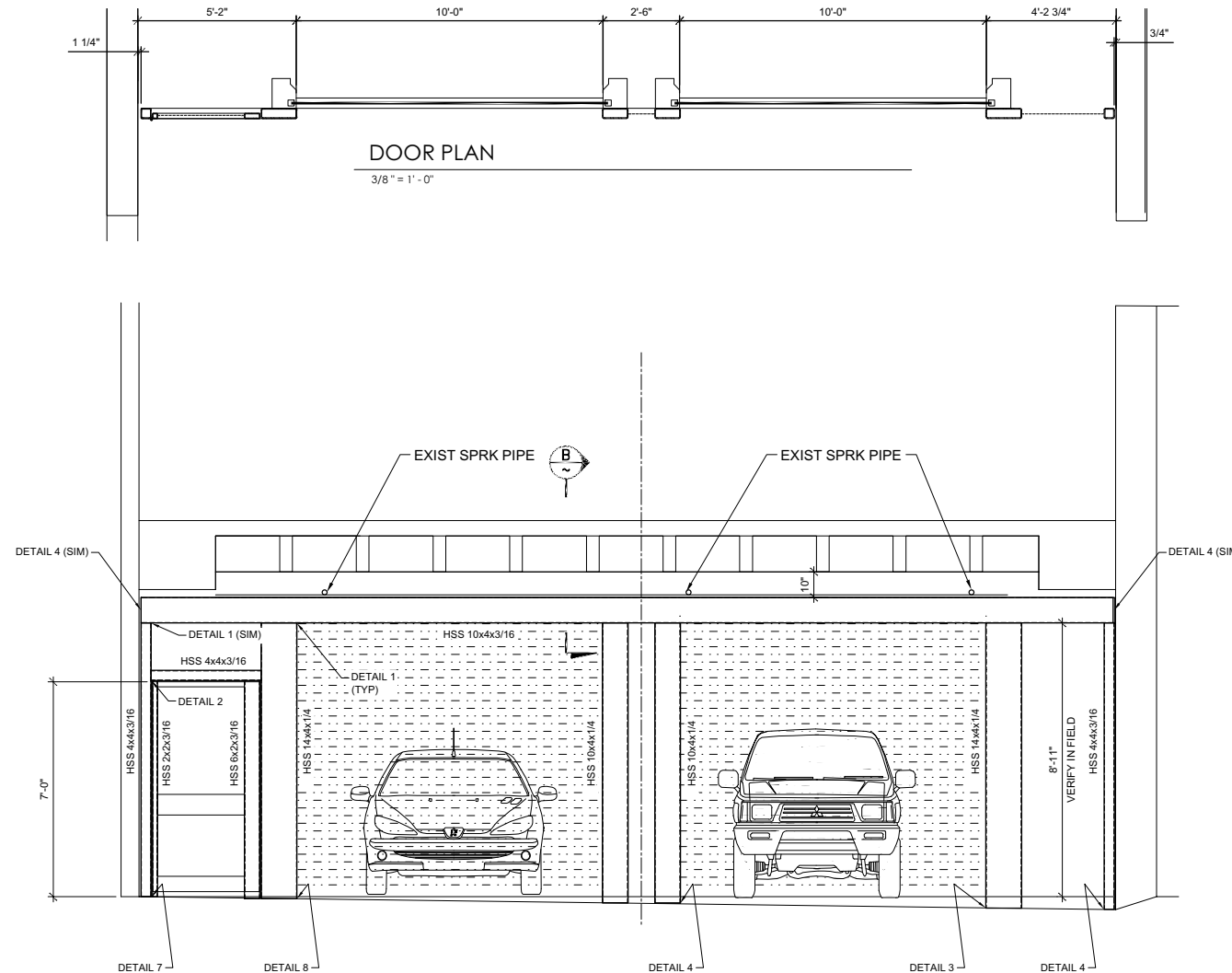
CEI PROJECT No. 20332

**UCB
PARKING
SECURITY UPGRADES**

(Block 200)
1825 SW Broadway Street
Portland, Oregon 97201

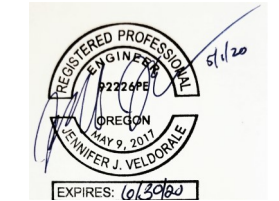


CEI PROJECT No. 20332



City of Portland Sheet Notes
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A. AREA OF WORK - SMSU Mechanical Penthouse RM 501
Date: 10/02/20
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Sheet Title:
OVERHEAD DOOR ELEVATIONS

Revisions: ISSUED FOR CONSTRUCTION Date: 05/08/2020

Drawn: KIPA
Checked: JJV

S1.0

NOTE 1: LOCATE BRACE BETWEEN FLANGES OF WAFFLE SLAB ABOVE, AS CLOSE AS PRACTICABLE TO THE MIDPOINT OF THE HSS

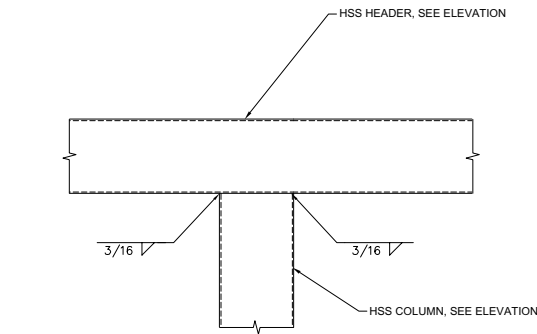
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SECURITY UPGRADES**

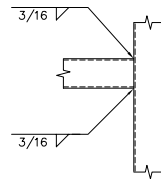
(Block 200)
1825 SW Broadway Street
Portland, Oregon 97201



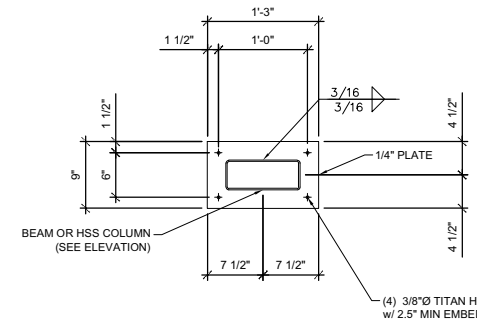
CEI PROJECT No. 20332



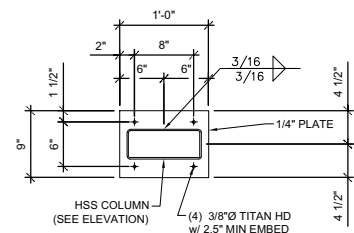
1 DETAIL
1" = 1'-0"



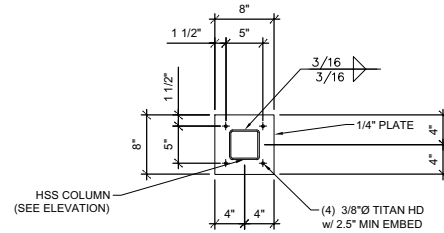
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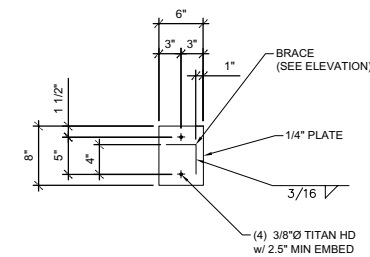
3 DETAIL
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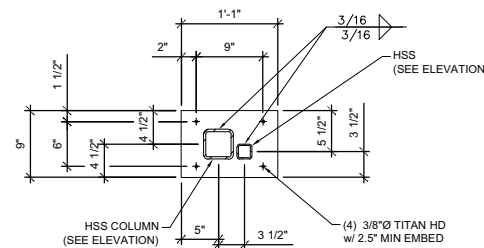
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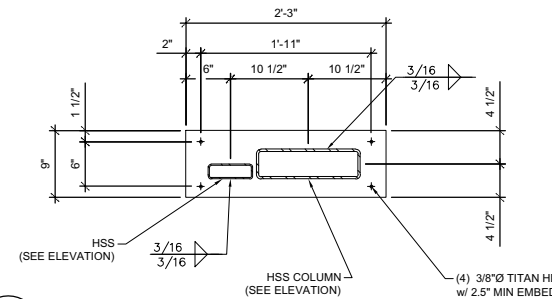
5 DETAIL
1" = 1'-0"



6 DETAIL
1" = 1'-0"



7 DETAIL
1" = 1'-0"



8 DETAIL
1" = 1'-0"

City of Portland **Sheet Notes**
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Sheet Title :
**OVERHEAD DOOR
DETAILS**

Revisions : ISSUED FOR CONSTRUCTION Date : 05/08/2020

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