



Utah Community Action™

1307 South 900 West Salt Lake City, Utah 84104
(801) 977-1122 | utahca.org

REQUEST FOR PROPOSAL
UCA JRR Head Start Parking Lot Improvements 2024
Bingham Entryway Improvements 2024

PART 1: INTRODUCTION AND INSTRUCTIONS

PURPOSE OF REQUEST FOR PROPOSAL (RFP)

Utah Community Action (UCA) is seeking competitive proposals to Repair to existing parking lot and expansion to the rear for our James R Russell site as well as renovation to the front entry walkway and steps for our Bingham Site. Also include improvements for pedestrian circulation from parking lot into building including sidewalks and drop-off sidewalk area adjacent to building. The scope of work is included in attachment A and detailed in the included set of plans. The James R Russell site is located at 1240 North American Beauty Drive, Salt Lake City, UT 84116 and the Bingham site is located at 3000 Haun Drive, West Jordan, UT 84088. The purpose of this document is to provide detailed required specifications and to establish a fixed price contract between UCA and the contractor.

AGENCY BACKGROUND

Utah Community Action's mission is to empower individuals, strengthen families and build communities through self-sufficiency and education programs. Utah Community Action is a multi-faceted agency that helps low-income individuals and families overcome barriers to self-sufficiency. The agency has approximately 600 employees, and annual revenues of approximately \$35M.

Utah Community Action helps remove these barriers through six core programs:

Adult Education – Helps adults with low- to moderate-income levels get access to courses and certifications that can help them work toward self-sufficiency.

Head Start – Provides education and health services to young children who would otherwise not be prepared for Kindergarten.

HEAT – Helps struggling households pay their utility bills. Both yearly application and emergency need services are available.

Case Management & Housing – Through deposit and emergency rental assistance, landlord-tenant mediation, homelessness services and holistic case management, our Case Management and Housing Program helps clients to obtain and maintain safe, stable and affordable housing.

Nutrition – Helps feed households in need, provides meals for Head Start classrooms, and offers educational programs to teach better eating habits.

Weatherization – Helps low-income households reduce energy costs and increase comfort and safety in their homes.

Utah Community Action complies with the required federal regulations on procurement, as set forth in the Uniform Guidance 2 CFR Part 200. Efforts, including affirmative steps prescribed by federal regulation (if applicable), will be made by UCA to utilize small and minority-owned businesses, women’s business enterprises, and labor surplus area firms when possible. A firm qualifies as a small business firm if it meets the definition of “small business” as established by the Small Business Administration (13 CFR 121.201, Subsector 541512) by having average annual receipts for the last three fiscal years not exceeding \$27.5 million.

PROPOSAL SUBMISSIONS REQUIREMENTS

By submitting a proposal, Interested Parties acknowledge and agree that the scope of work, and evaluation process outlined herein are fair, equitable, and understood.

Interested Parties further acknowledge that they have read this RFP, along with any attached or referenced documents.

To ensure a competitive and consistent review process each proposal submitted should include the following items and be organized with the outline provided below:

- a. Submit a letter outlining the general overview of the business information and individuals who will be involved in the RFP process. This letter should be a maximum of 1 page and clearly identify the qualifications of personnel that will be involved in the project and billing contact information. It should also include a date through which the bid is valid (recommended 60 days).
- b. Submit pricing based upon the RFP specifications outlined in the summary of work
-Attachment A. Proposal must be submitted as a fixed price contract with fixed price profit clearly indicated.
- c. Proof of liability and workers compensation insurance.
- d. Bonding as outlined below.

All costs incurred by Interested Parties in the preparation and submission of a proposal, including any costs incurred during interviews, presentations, or demonstrations are the responsibility of the Interested Parties and will not be reimbursed.

Pre-Bid Meeting:

A non-mandatory pre-bid meet will be held in the east parking lot of UCA’s JRR facility – 1240 N American Beauty Dr. Salt Lake City, UT. September 6, 2024 at 1:00 pm.

A submission of a bid by the Contractor is considered a representation that the Contractor has visited the site and has carefully examined the conditions that will be encountered when performing the work.

The purpose of the pre-bid meeting is to allow an open forum for discussion and questioning with UCA staff regarding the RFP with all prospective proposers having an equal opportunity to hear and participate. Oral questions will receive oral responses, neither of which will be official, or become part of the RFP. Only written responses to written questions will be considered official and will be included as part of the RFP as an addendum.

WRITTEN QUESTIONS

Questions regarding the RFP must be received in writing by September 13, 2024 by 5:00 pm and should can be submitted to:

Stacy Weight, Chief Administrative Officer
Stacy.weight@utahca.org

SUPPLEMENTARY TECHNICAL SPECIFICATIONS

A. The Contractor shall file and pay for all the required permits and inspections necessary to complete the project.

B. The Contractor shall supply all materials, labor, tools and equipment, as specified in this Contractors Manual, required under this contract for a complete, neat and skilled installation.

C. Contractor shall remove and dispose of all debris and materials resulting from work.

D. Contractor shall be responsible for the repair of any adjoining work on which his work, in any way, is dependent for its proper installation.

E. Contractor shall take all the necessary measures and precautions to protect surroundings and attachments (interior and exterior) and shall be liable for all damages that may be caused by his actions and work.

F. The Contractor shall perform all other work as required to deliver a completed and satisfactory job using skilled craftsmen. All measurements and the Scope of Work must be verified on the job by the contractor.

G. The contractor shall be responsible for securing the premises during the course of construction and shall not permit entry by any person or persons other than his employees, sub-contractors and/or suppliers and be responsible for same.

H. The contractor shall follow all OSHA requirements, which state that under the OSH Act, employers are responsible for providing a safe and healthful workplace.

I. Said work falls under the Davis-Bacon Act. The contractor shall supply Utah Community Action with certified payroll documentation. The Davis-Bacon and Related Acts apply to contractors and subcontractors performing construction, alteration, or repair with federally funded or assisted contracts in excess of \$2,000. Davis-Bacon Act and Related Act contractors and subcontractors must pay their laborers and mechanics employed under the contract no less than the locally prevailing wages and fringe benefits for corresponding work on similar projects in the area. The Davis-Bacon Act directs the Department of Labor to determine such locally prevailing wage rates. All bids should be based on the labor costs outlines in Davis Bacon Act WD#UT20240085 dated 07/19/2024 and listed in Attachment B of this document.

SUBMISSION INSTRUCTIONS: All bids need to be submitted in sealed hard copy format. Bids must be submitted prior to deadline at the following address:

Utah Community Action
Attn: Stacy Weight, CAO
1307 South 900 West
Salt Lake City, UT 84104

Proposals must be received by 4:00 pm on August 26, 2024. Proposals received after the deadline will not be accepted.

Proposal Rejection: Utah Community Action reserves the right to reject a proposal if the proposal is conditional or incomplete, deemed non-responsive, or if it contains any alterations of form or other irregularities of any kind. UCA may reject any or all proposals or waive any immaterial deviation in a proposal. UCA's waiver of an immaterial deviation shall in no way modify the RFP document or excuse the Vendor from full compliance with all other requirements if awarded the contract. A proposal is considered responsive if it follows the required format and meets all deadlines and other requirements outlined in this RFP.

PROPOSAL KEY DATES

RFP Released

August 31, 2024

Non-Mandatory Bid Meeting

September 6, 2024 1:00 pm

Last Day for Receipt Written Questions
Proposals Due
Bidders Interviews (if necessary)
Selection

September 13, 2024
September 19, 2024 by 5:00 pm
September 20, 2024
September 23, 2024

Utah Community Action may request interviews or meetings with any of the proposers to clarify any proposals.

PART 2: Contract Provisions

Equal Employment Opportunity - All construction contracts awarded in excess of \$10,000 shall contain a provision requiring compliance with E.O. 11246, "Equal Employment Opportunity," as amended by E.O. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and as supplemented by regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

Copeland "Anti-Kickback" Act (18 U.S.C. 874 and 40 U.S. C. 276c) - All contracts and subgrants in excess of \$2000 for construction or repair shall include a provision for compliance with the Copeland "Anti-Kickback" Act (18 U.S.C. 874), as supplemented by Department of Labor regulations (29 CFR part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or sub-recipient shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he is otherwise entitled. All suspected or reported violations shall be reported to the Federal awarding agency.

Davis-Bacon Act, as amended (40 U.S.C. 276a to a-7) - When required by Federal grant program legislation, all construction contracts awarded by Recipients and sub-recipients of more than \$2000 shall include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 276a to a-7) and as supplemented by Department of Labor regulations (29 CFR part 5, "Labor Standards Provisions Applicable to Contracts Governing Federally Financed and Assisted Construction"). Under this Act, contractors shall be required to pay wages to laborers and mechanics at a rate not less than the minimum wages specified in a wage determination made by the Secretary of Labor. In addition, contractors shall be required to pay wages not less than once a week. The Recipient shall place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation and the award of a contract shall be conditioned upon the acceptance of the wage determination. All suspected or reported violations shall be reported to the Federal awarding agency.

Contract Work Hours and Safety Standards Act (40 U.S. C. 327-330) - Where applicable, all construction contracts awarded in excess of \$100,000. Contracts that involve the

employment of mechanics or laborers shall include a provision for compliance with Sections 103 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-330), as supplemented by Department of Labor regulations (29 CFR part 5). Under Section 102 of the Act, each contractor shall be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than 1 1/2 times the basic rate of pay for all hours worked in excess of 40 hours in the work week. Section 107 of the Act is applicable to construction work and provides that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous on federal and federally financed and assisted construction projects. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

Patent Rights to Inventions Made Under a Contract or Agreement - Contract agreements for the performance of experimental, developmental, or research work shall provide for the patent rights of the Federal Government and the Recipient in any resulting invention in accordance with 37 CFR part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

Clean Air Act {42 U.S.C. 7401 et seq.} and the Federal Water Pollution Control Act {33 U.S.C. 1251 et seq.}, as amended - Contracts and sub-grants of amounts in excess of \$100,000 shall contain a provision that requires compliance with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401 et seq.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et seq.). Violations shall be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

Termination: The owner may, at any time, terminate the Contract for owner's convenience and without cause.

Debarment and Suspension: Contractors submitting a proposal must certify that neither it nor its principals are presently or have ever been debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this contract, by any governmental entity.

Bonding Requirements:

UCA will require bonding to help ensure the interest of the organization and funding sources are protected. Minimum requirements will include the following:

- A bid guarantee in the form of a bid bond, certified check, or other negotiable instrument from each bidder equivalent to five percent of the bid price assuring that the bidder will, upon acceptance of the bid, execute such contractual documents as may be required within the time specified.
- A performance bond on the part of the contractor for 100 percent of the contract price, to be executed in connection with a contract to secure fulfillment of all the contractor's obligations under the contract.
- A payment bond for 100 percent of the contract price, executed in connection with a contract to assure payment as required by law of all persons supplying labor and material in execution of the work provided for in the contract.

Payment:

Vendor will bill UCA at the conclusion of each month's services and invoices will be paid net 30 upon receipt of invoice by Utah Community Action.

Billing system must indicate location, date and type of service provided.

All Davis Bacon paperwork must be submitted with each invoice. Davis Bacon paperwork will be reviewed for completeness prior to payment being issued.

Insurance Requirements:

Vendor must provide proof insurance for the following types and amounts:

Workers Compensation

Commercial General Liability - \$1,000,000 single limit per occurrence

Automobile Liability - \$500,000 Each Occurrence Owned/non-owned/hired automobile included.

Taxes:

Utah Community Action is a tax exempt 501c3 organization and does pay sales tax.

SELECTION PROCESS

Proposals will be opened and evaluated by a UCA committee on September 19, 2024 at 4:00 pm. The location of this meeting will be 1307 South 900 West, Salt Lake City, Utah 84104. Selection will be made to the proposer who is the most advantageous to Utah Community Action based on the selection criteria outlined above. UCA reserves the right to not select any proposer. Following the closure of the RFB all proposers will be notified of the selection.

Attachment A
Summary of Work

UTAH COMMUNITY ACTION
JRR BUILDING – Parking Lot Expansion & Repair Salt Lake City, UT
SUMMARY OF WORK

BINGHAM Entry way redesign

PART 1 - GENERAL

- A. Project Identification: Utah Community Action (UCA) James R. Russell (JRR) Building – Parking Lot Expansion and Repair.
 - 1. Project Location – James R Russell: **1240 N. American Beauty Drive, Salt Lake City, UT 84116.**
 - 2. Project Location – Bingham: 3000 Haun Dr, West Jordan, UT 84088
- B. Owner: Utah Community Action.
 - 1. Owner's Representative: Stacy Weight, Chief Administrative Officer
801.410.5706 stacy.weight@utahca.org, 1307 S, 900 W, Salt Lake City, UT 84104.
- C. Architect: Archiplex Group,
 - 1. Architect's Representative: Preston Croxford, 801.633.2961,
preston.croxford@archiplexgroup.com.
- D. Architect's Consultants: Architect has retained the following design professionals, who have prepared designated portions of the Contract Documents:
 - 1. Civil Engineer: Talisman Civil Consultants, Dan Bourque, PE, 1588 South Main Street, Suite 200, Salt Lake City, UT 84115, danb@talismancivil.com.
 - 2. Electrical Engineer: Electrical Consulting Engineers (ECE), Enayat Nawabi, 939 South West Temple, Salt Lake City, UT 84101, enayat@eceonline.com.
- E. Project Coordinator for Multiple Contracts: Owner shall serve as Project coordinator.

UCA BINGHAM STAIR & RAMP

3000 HAUN DR. WEST JORDAN, UT 84088



420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

PROJECT DIRECTORY

OWNER:
UTAH COMMUNITY ACTION
CHRIS SMITH
801-977-1122
chris.smith@utahca.org

STRUCTURAL:
BHB STRUCTURAL
JORDAN PERKES
NUMBER
Jordan.Perkes@bhbenigneers.com

ARCHITECT:
PRESTON CROXFORD
420 W. 1500 S. STE 203
BOUNTIFUL, UT 84010
PRESTON.CROXFORD@ARCHIPEXGROUP.COM

CONTRACTOR:
NAME
NUMBER
EMAIL

CIVIL:
TALISMAN
ANDREW MORAN
801-743-1300
AndrewM@talismancivil.com

DRAWING INDEX

- GENERAL SHEETS
G000 COVER SHEET
G001 GENERAL NOTES, ABBREVIATIONS, AND LEGENDS
- CIVIL DRAWINGS
C1.0 CIVIL GRADING PLAN
- STRUCTURAL DRAWINGS
S001 GENERAL STRUCTURAL NOTES
S002 GENERAL STRUCTURAL NOTES
S003 SPECIAL INSPECTION NOTES
S010 SYMBOLS AND SHEET LIST
S101 FOOTING AND FOUNDATIONS PLAN
S105 DETAILS

- ARCHITECTURAL DRAWINGS
AD101 DEMOLITION PLAN VIEW
AD201 DEMOLITION ELEVATIONS
A101 PLAN VIEW
A201 ELEVATIONS
A301 SECTIONS
A501 EXTERIOR DETAILS

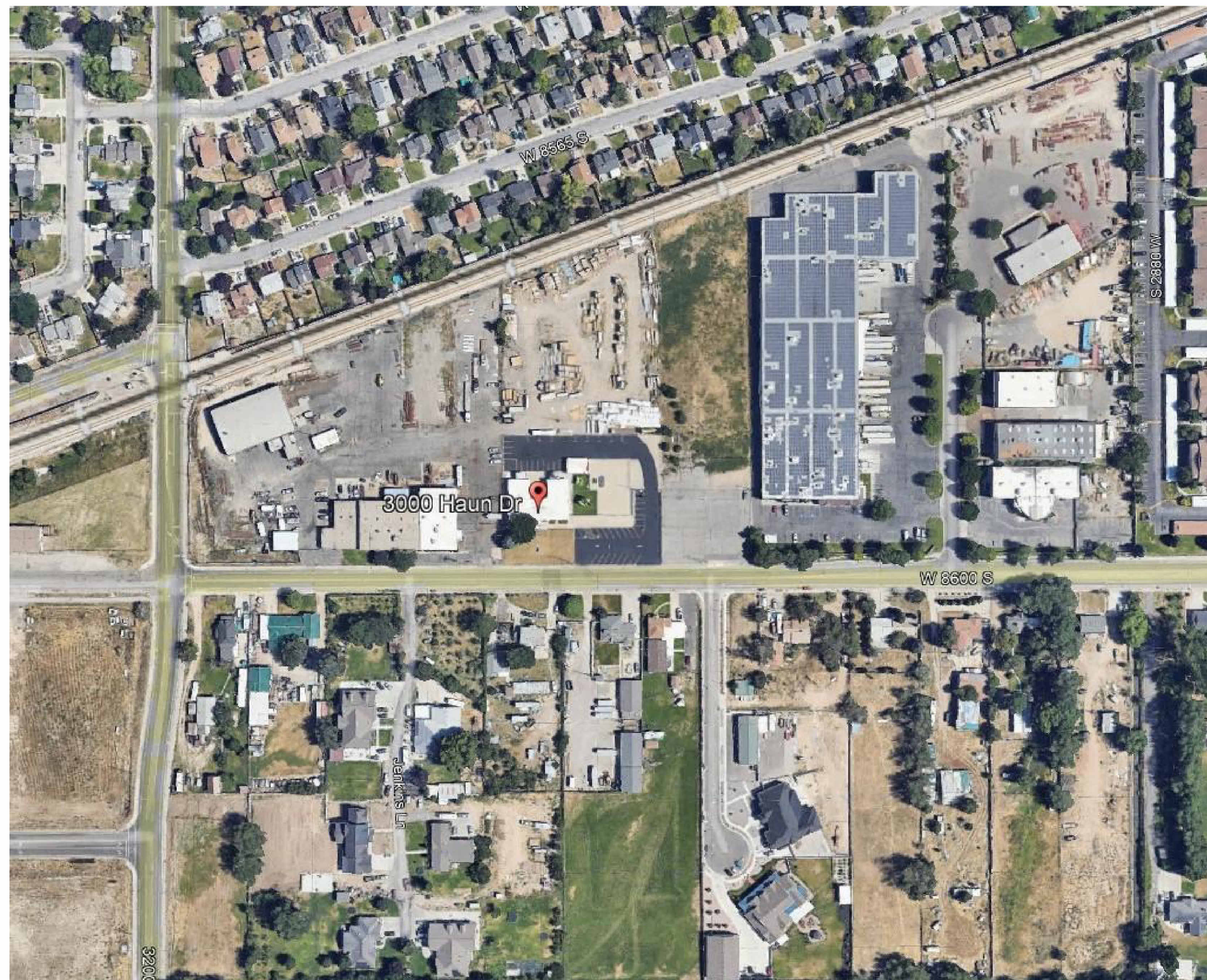
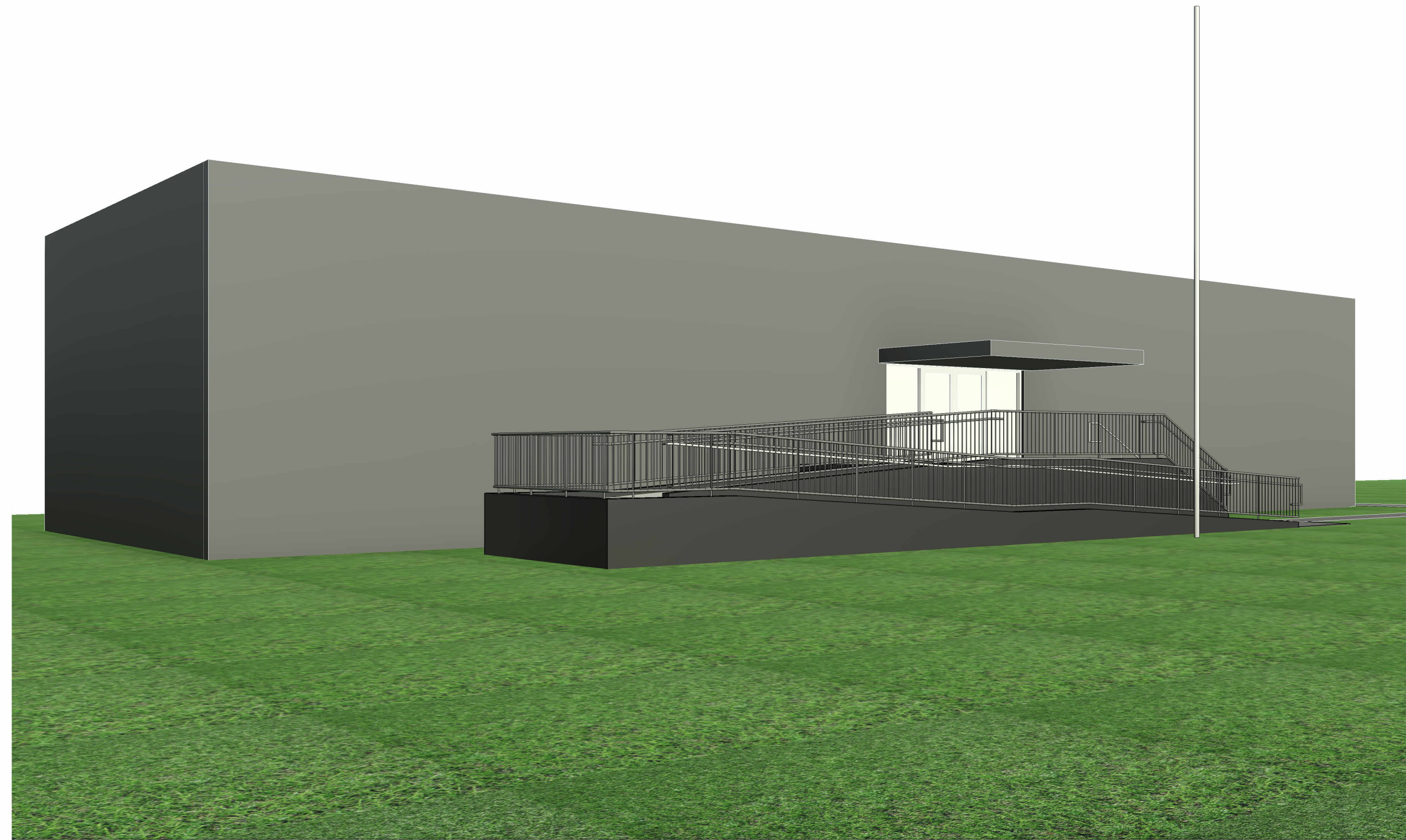
CODE SUMMARY

APPLICABLE CODE:
2021 INTERNATIONAL BUILDING CODE, (I.B.C.)
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL PLUMBING CODE
2021 INTERNATIONAL FIRE CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2020 NATIONAL ELECTRIC CODE
2017 ACCESSIBILITY GUIDELINES

Occupancy and Group: L3
Construction Type: 5/A
Exit Width Required: 44
Exit Width Provided: 6

DEFERRED SUBMITTALS:

APPROVAL STAMPS



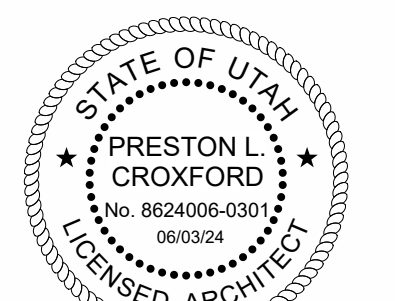
UCA BINGHAM STAIR & RAMP

3000 HAUN DR. WEST JORDAN, UT 84088
ZONE M-1 PARCEL 21-33-352-013-0000

PROJECT NUMBER
2414.01

ISSUE DATE
06/03/24

REVISION	DATE	DESCRIPTION



Preston L. Croxford

COVER SHEET

G000

GENERAL PROJECT NOTES

- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE (I.B.C.), AND LOCAL ORDINANCES.
- ALL DIMENSIONS ARE TO FACE OF FINISH U.N.O.
- ALL DIAGONAL WALLS ARE AT A 45° ANGLE UNLESS NOTED OTHERWISE. SEE FLOOR PLANS. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- DO NOT SCALE DRAWINGS FOR DIMENSIONS.
- DIMENSIONS NOTED AS N.T.S. ARE TO BE FIELD VERIFIED.
- SEE STRUCTURAL CALCULATIONS FOR ADDITIONAL GENERAL STRUCTURAL NOTES AND REQUIREMENTS. ANY NOTES AND/OR REQUIREMENTS FROM STRUCTURAL ENGINEER SHALL GOVERN EXCEPT WHEN REQUIREMENTS SET FORTH IN THIS SPECIFICATION EXCEED ENGINEER'S REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS AT THE SITE BEFORE SUBMITTING A BID OR PROCEEDING WITH ANY PORTION OF THE WORK.
- WHENEVER QUESTIONS ARISE OR CONDITIONS ARE ENCOUNTERED WHICH ARE NOT COVERED BY OR ARE IN CONFLICT WITH THE CONTRACT DOCUMENTS, CONSULT WITH THE ARCHITECT PRIOR TO TAKING ANY FURTHER ACTION.
- THE CONTRACTOR SHALL COORDINATE THE SEQUENCING OF WORK WITH THE OWNER AND ARCHITECT TO MEET THE OWNERS SCHEDULE.
- CONTRACTOR SHALL LEAVE WORK AREAS BROOM CLEAN AND FREE OF TOOLS, EQUIPMENT, ETC., AT THE END OF EACH SHIFT. ALL CONSTRUCTION ACTIVITY SHALL BE CONTAINED WITHIN CONSTRUCTION BARRICADES OR FENCES. CONTRACTOR SHALL PROTECT OWNERS EXISTING CONSTRUCTION AND EQUIPMENT ADJACENT TO NEW CONSTRUCTION. CONTRACTOR SHALL CLEAN ALL SURFACES TO "LIKE NEW" CONDITION AT THE COMPLETION OF THE JOB.
- ALL DEMOLISHED OR REMOVED MATERIAL SHALL BE LEGALLY DISPOSED OF BY THE GENERAL CONTRACTOR.
- COORDINATE "NOISY" OPERATIONS (CONCRETE CUTTING, JACKHAMMERING, ETC.) WITH THE OWNER FOR SCHEDULING TO AVOID DISRUPTION OF DAILY OPERATIONS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR RESTRICTING AND CONTAINING DUST AND DEBRIS GENERATED FROM DEMOLITION AND/OR CONSTRUCTION ACTIVITIES BY MEANS CHUTES, TEMPORARY PARTITIONS, OR PROTECTIVE COVERINGS.
- THE INSTALLATION OF NEW MATERIALS AND EQUIPMENT SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE MATERIAL AND EQUIPMENT MANUFACTURER'S SPECIFICATIONS, U.N.O.
- THE SCOPE AND BASIS OF THE WORK SHALL INCLUDE THE CONTRACT DOCUMENTS PRESENTED BY THE ARCHITECT, ARCHIPLEX GROUP, THE CONSULTANTS (CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, ETC.) AND THE CONDITIONS FOR THE WORK AS DESCRIBED IN THE CONTRACT BETWEEN THE OWNER AND THE CONTRACTOR.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL CONSTRUCTION PROCEDURES, MEANS AND METHODS, AND JOBSITE SAFETY AND SHALL ENSURE COMPLIANCE WITH APPLICABLE CODES, RULES AND REGULATIONS OF THE GOVERNING JURISDICTION.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING BUILDING PERMITS AS REQUIRED FOR THE WORK AND SHALL BE RESPONSIBLE FOR OBTAINING THE REQUIRED INSPECTIONS DURING THE COURSE OF THE WORK. THE CERTIFICATE OF OCCUPANCY SHALL BE CONVEYED TO THE TENANT AND/OR BUILDING OWNER.
- THE CONTRACTOR SHALL EFFECTIVELY ISOLATE ALL DISSIMILAR MATERIALS TO PREVENT CORROSION BY ELECTROLYSIS ACTION OR OTHER CAUSES.
- THE CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT THAT ARE NEW AND UNDAMAGED EXCEPT FOR ITEMS SPECIFICALLY NOTED AS REUSED OR RELOCATED. DEFECTIVE OR DAMAGED ITEMS SHALL BE REPAIRED OR REPLACES TO THE SATISFACTION OF THE ARCHITECT. THE OWNER RESERVES THE RIGHT TO REJECT MATERIALS OR WORK IF THOSE ITEM ARE NOT FOUND TO BE IN STRICT ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE STAGING AND SECURITY OF ALL DELIVERED BUILDING MATERIALS.
- THE GENERAL CONTRACTOR SHALL ENSURE THAT THE WORK BE PERFORMED BY COMPETENT SUB-CONTRACTORS SKILLED IN THEIR TRADE. WORKMANSHIP DEEMED SUBSTANDARD OR UNACCEPTABLE BY THE ARCHITECT WILL BE REJECTED AND SHALL BE CORRECTED BY THE CONTRACTOR.
- THE GENERAL CONTRACTOR SHALL REPAIR OR REPLACE DAMAGE OR THEFT OF NEW OR EXISTING CONSTRUCTION AND MATERIALS CAUSED BY THE CONTRACTOR'S NEGLIGENCE OR BY INADEQUATE PROTECTION OR SECURITY MEASURES PROVIDED DURING CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL PROVIDE OPERATION AND MAINTENANCE MANUALS FOR ITEMS THAT REQUIRE PERIODIC SERVICE AND ADJUSTMENT. THE GENERAL CONTRACTOR SHALL CONVEY THE MANUALS TO THE OWNER AT SUBSTANTIAL COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL GUARANTEE UNCONDITIONALLY FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION, ALL MATERIALS, EQUIPMENT, APPLANCES, WORKMANSHIP, AND INSTALLATION DURING THIS PERIOD. THE CONTRACTOR SHALL ADJUST, REPAIR, OR REPLACE - AT NO COST TO THE OWNER - ITEMS, EQUIPMENT, MATERIALS, OR WORKMANSHIP FOUND TO BE DEFECTIVE.
- THE GENERAL CONTRACTOR SHALL PROVIDE THE ARCHITECT, OWNER, AND/OR LANDLORD WITH A MARKED-UP SET OF AS-BUILT DRAWINGS WITH THE APPLICATION FOR FINAL PAYMENT. THE SET WILL BE USED AS THE BASIS FOR DEVELOPING RECORD DRAWINGS.
- MECHANICAL AND ELECTRICAL EQUIPMENT SHOWN ON ARCHITECTURAL DRAWINGS ARE INDICATED FOR GENERAL REFERENCE ONLY. REFER TO ENGINEER'S DRAWINGS FOR SPECIFIC INFORMATION.
- UNLESS SPECIFICALLY NOTED AS "NOT IN CONTRACT" SYSTEMS SHOWN IN THE DRAWINGS ARE INTENDED TO BE CODE-COMPLIANT, FURNISHED, INSTALLED, AND TURNED OVER TO THE OWNER IN PROPER FUNCTIONING CONDITION. ALL WORK TO ACCOMPLISH THIS MUST BE INCLUDED IN THE CONTRACT SUM.
- THE ADEQUACY OF FIRE PROTECTION AND SAFETY DURING CONSTRUCTION SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY.
- FIRE RATINGS SHALL BE MAINTAINED AT FIRE RATED PARTITIONS BY PROVIDING FIRE SAFETY MATERIALS AT GAPS AND VOIDS CREATED BY PENETRATIONS, STRUCTURAL MEMBERS, AND INTERSECTIONS WITH ADJACENT SURFACES.

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ABBREVIATIONS

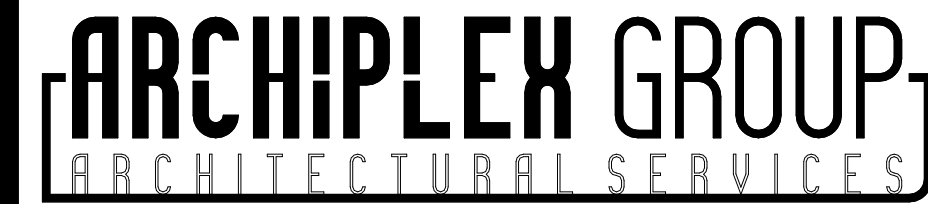
ALT. & ARCH. @	ALTERNATE ALUMINUM AND ARCHITECTURAL AT OR AT THE	MAINT. MFR. MAX. MECH. MEN MTL./MET. MIN. MISC.	MAINTENANCE MANUFACTURER MAXIMUM MECHANICAL MEN'S TOILET METAL MINIMUM MISCELLANEOUS
BLK. BD. BLDG. BYND.	BLOCK BLOCKING BOARD BUILDING BEYOND	NOM. N.I.C. N.T.S. NO. OR #	NOMINAL NOT IN CONTRACT NOT TO SCALE NUMBER
CLG. CTR. CL. CFCI	CEILING CENTER CENTER LINE CONTRACTOR FURNISH. CONTRACTOR INSTALL CONTRACTOR FURNISH. OWNER INSTALLED	OFOI OFCI	OWNER FURNISH. OWNER INSTALL OWNER FURNISH. CONTRACTOR INSTALL
CLR. CLO. COL. CONC. CMU CONSTR. CONT. CONTR. CORR. CNTR.	CLEARANCE CLOSET COLUMN CONCRETE CONCRETE MASONRY UNIT CONSTRUCTION CONTINUE/CONTINUOUS CONTRACTOR CORRIDOR COUNTER	O.C. OPNG. OPP. O.D.	ON CENTER OPENING OPPOSITE OUTSIDE DIAMETER
DL. DIA. DIM. DN. DWG. D.F.	DETAIL DIAMETER DIMENSION DOWN DRAWING DRINKING FOUNTAIN	RE. REFL. REIN. REQ. REV. RM. R.O.	REFER TO REFLECTED REINFORCING REQUIRED REVISED ROOM ROUGH OPENING
EA. ELEC. ELEV./EL EQ. EQUIP. EXP. EXT.	EACH ELECTRIC (AL) ELEVATION EQUAL EQUIPMENT EXPANSION EXTERIOR	SCHED. SEAL. SECT. SHI. SIM. SPEC. SQ. STD. STL. STOR. STRUCT. SYM. S.STL.	SCHEDULE SEALANT SECTION SHEET SIMILAR SPECIFICATIONS SQUARE STANDARD STEEL STORAGE STRUCTURAL/STRUCTURE SYMMETRICAL STAINLESS STEEL
FIN. F.A. F.E. F.E.C. FLR. F.D. FTS. FDN. F.V.	FINISH FIRE ALARM FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FLOOR FLOOR DRAIN FOOTING FOUNDATION FIELD VERIFY	TEMP. T & G T.O. TYP.	TEMPORARY/TEMPERED TONGUE AND GROOVE TOP OF TYPICAL
GALV. GA. GND. GYP. GYP. BD.	GALVANIZED GAUGE GROUND GYPSUM GYPSUM BOARD	UNF. UN.O.	UNFINISHED UNLESS NOTED OTHERWISE
HDWR. HT. HORIZ. H.B. HM HR.	HARDWARE HEIGHT HORIZONTAL HOSE BIBB HOLLOW METAL HOURS (FIRE RATING)	VAR. VERT. V.T.R.	VARY OR VARIES VERTICAL VENT THROUGH ROOF
IN. INSUL. INT.	INCH INSULATION INTERIOR	W/ WD. WSCT. W/O	WITH WOOD WAINSCOT WITHOUT
JAN. JT. J-BOX	JANITOR JOINT JUNCTION BOX		
LAM. LAV.	LAMINATE LAVATORY		

PROJECT NUMBER
2414.01

ISSUE DATE

08/05/22

REVISION	DATE	DESCRIPTION



420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

UCA BINGHAM STAIR & RAMP

3000 HAUN DR. WEST JORDAN, UT 84088

GENERAL CONCRETE NOTES

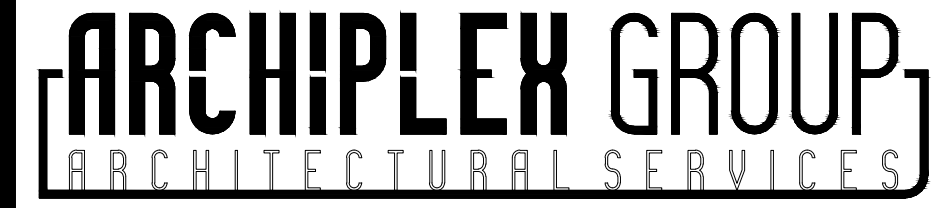
- CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO POURING CONCRETE.
- CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS PRIOR TO POURING CONCRETE. PROVIDE SLEEVES, BLOCK-OUTS, ETC. AS REQUIRED.
- CONTRACTOR SHALL PROVIDE ALL SHORING AS REQUIRED. BRACE WALLS AS REQUIRED UNTIL FLOOR DIAPHRAGMS ARE IN PLACE.
- SEE STRUCTURAL CALCULATIONS FOR ADDITIONAL STRUCTURAL MEMBER REQUIREMENTS.
- ALL EXTERIOR FOOTINGS SHALL BEAR 30" (MIN.) BELOW FINISH GRADE, OR UNCONDITIONED CRAWL SPACE, UNLESS NOTED OTHERWISE.
- TOP OF FOUNDATION WALL TO BE 6" (MIN.) ABOVE FINISH GRADE TYPICAL.
- COORDINATE TOP OF CONCRETE & BOTTOM OF FOOTING ELEVATIONS WITH SECTIONS, FOOTING & FOUNDATION PLAN, AND ELEVATIONS.
- FOOTINGS, FOUNDATION, AND SLABS SHALL BE CONSTRUCTED ON PROPERLY PREPARED MATERIAL. SUB-BASE TO BE UNDISTURBED, NATURAL SOILS OR ENGINEERED FILL PER THE SOILS ENGINEER'S RECOMMENDATIONS. ENGINEERED FILL SHALL BE TESTED AND APPROVED BY A LICENSED SOILS ENGINEER.
- PROVIDE 4" GRANULAR FILL UNDER ALL SLABS.
- ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO THE STANDARD SPECIFICATIONS ASTM A615 GRADE 60, AND MUST BE PROPERLY TIED INTO PLACE PRIOR TO POURING CONCRETE. (FIELD BENT DOWELS MAY BE GRADE 40).
- ALL SPLICES IN CONTINUOUS CONCRETE REINFORCING BARS SHALL LAP 40 BAR DIAMETERS MIN. ALL SPLICES SHALL BE MADE IN A COMPRESSION ZONE UNLESS OTHERWISE NOTED. ALL CONT. REINFORCING SHALL TERMINATE WITH A 90° BEND OR SEPARATE CORNER BARS.
- TO MINIMIZE CRACKING OF SLABS, PROVIDE #4 BARS @ 18" O.C. EACH WAY 1" CLEAR FROM TOP. TYPICAL ALL SLABS ON GRADE.
- ALL EXTERIOR FOOTINGS SHALL BE PROPERLY FORMED. INTERIOR FOOTINGS MAY BE MONOLITHIC WITH SLAB. SEE STRUCTURAL FOR ANY VARIATIONS.
- POSITION ALL WINDOW AND DOOR BUCKS TO ALLOW BASEMENT HEAD HEIGHTS TO BE AT 6'-8" ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE. COORDINATE ALL HEIGHTS WITH FLOOR PLANS, ELEVATIONS, AND SCHEDULES.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I. IN 28 DAYS. FLAT SLABS AND CONCRETE RETAINING WALLS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 P.S.I. SEE STRUCTURAL CALCULATIONS FOR ADDITIONAL CONCRETE REQUIREMENTS.
- PROVIDE ISOLATION JOINTS AROUND COLUMNS, SPREAD FOOTINGS, CONTROL JOINTS, ETC. AS REQUIRED.
- HOLD DOWNS SHALL BE POSITIONED AS INDICATED BY STRUCTURAL ENGINEER. ALL HOLD DOWNS TO BE POSITIONED TO ALLOW ATTACHMENT TO FULL HEIGHT DOUBLE STUDS.
- CONTRACTOR IS RESPONSIBLE FOR PROPER LOCATING AND PLACING OF ALL ANCHOR BOLTS, HOLD DOWNS, ANCHORS, STRAPS, ETC. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS.
- WHERE FOUNDATION WALLS OR FOOTINGS SUPPORT MASONRY WALLS, PROVIDE MATCHING DOWELS OF SAME SIZE AND SPACING.

ARCHITECTURAL SYMBOL LEGEND		MATERIAL PATTERN LEGEND	
ROOM 101 ROOM NAME/NUMBER	BLDG SECTION	ALUMINUM	BRICK
EXTERIOR ELEVATION	INTERIOR ELEVATION	CARPET TILE 1	CARPET TILE 2
GRID REFERENCE	CALLOUT DETAIL	CARPET TILE 3	CARPET TILE 4
DETAIL	CEILING TYPE	CMU	CONCRETE
ARCH. REF. ELEVATION OR WORKING POINT	WINDOW TYPE TAG	EARTH	GRAVEL
REVISION NUMBER	KEY NOTE	GYP BOARD	LEDGESTONE
DOOR NUMBER	WALL TYPE	LVT	PLYWOOD
		RIGID INSULATION	
		STEEL	
		TILE	
		SAND	
		STONE	
		WOOD	

GENERAL NOTES, ABBREVIATIONS, AND LEGENDS

G001

REVISION	DATE	DESCRIPTION



420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

UCA BINGHAM STAIR & RAMP

3000 HAUN, WEST JORDAN, 84088

GRADING GENERAL NOTES:

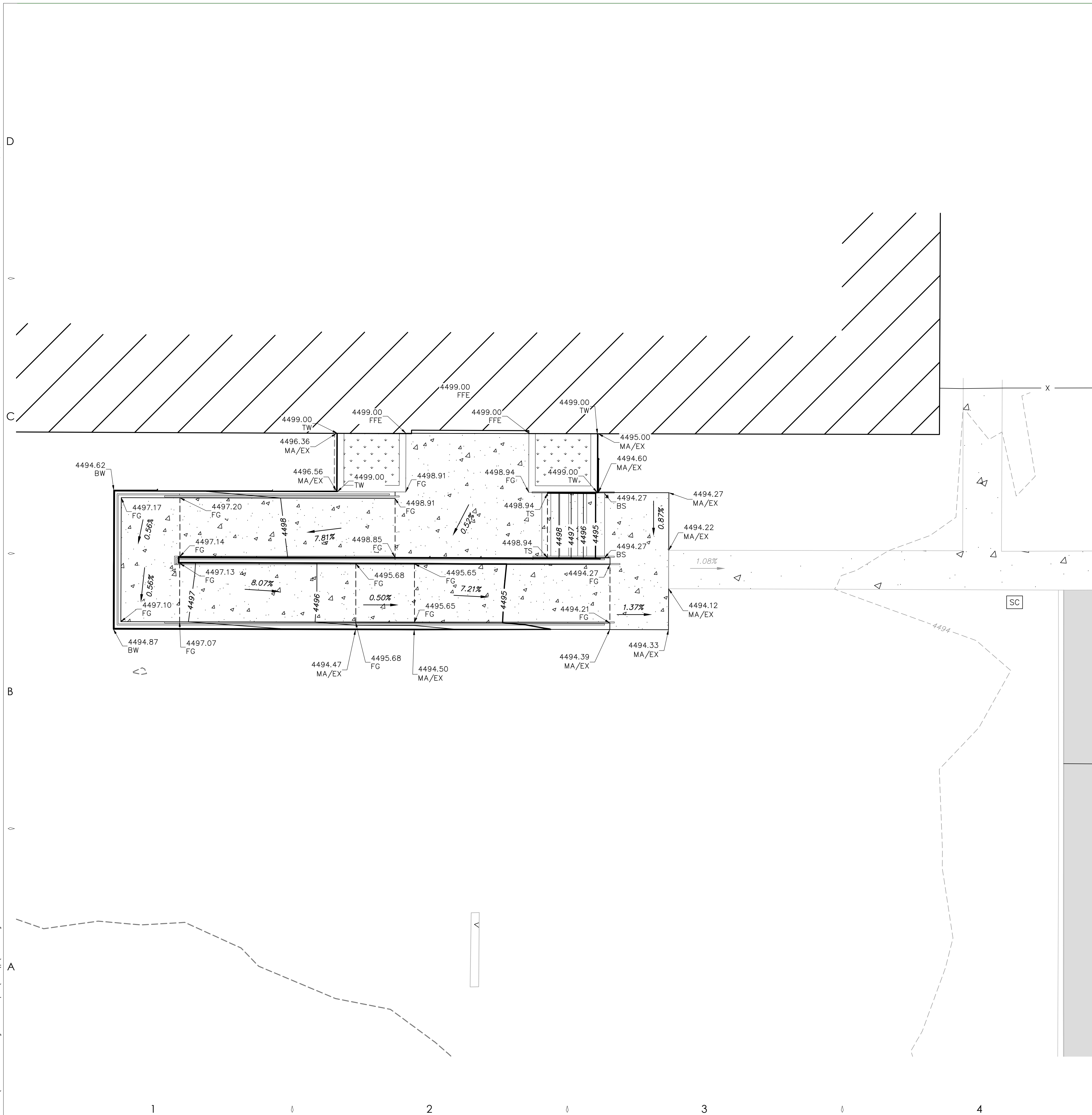
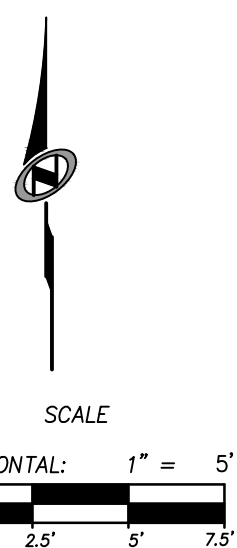
- SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MATERIALS AND REPLACING THEM WITH SUITABLE MATERIALS. ALL EXCAVATED OR FILLED AREAS SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED GEOTECHNICAL ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
- THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL AND DUST SUPPRESSION FOR CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL AND DUST SUPPRESSION FOR CONSTRUCTION OF THIS PROJECT.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATION SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THE VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.
- ALL SURFACE IMPROVEMENTS DISTURBED BY CONSTRUCTION SHALL BE RESTORED OR REPLACED, INCLUDING TREES, DECORATIVE SHRUBS, SOD, FENCES, WALLS AND STRUCTURES, WHETHER OR NOT THEY ARE SPECIFICALLY SHOWN ON THE CONTRACT DOCUMENTS.
- REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS, RAILINGS, STAIRS, RAMP EDGE DETAIL.
- REFER TO STRUCTURAL PLANS FOR RETAINING WALL DETAILS, FOOTING DEPTHS, CONCRETE THICKNESS.
- REFER TO LANDSCAPE PLANS FOR RESTORATION OF LANDSCAPING ADJACENT TO NEW RAMP AND STAIRS.

ABBREVIATIONS:

- TW TOP OF WALL
- BW BOTTOM OF WALL
- EX EXISTING GRADE
- FG FINISHED GRADE
- MA MATCH
- SW EDGE OF SIDEWALK

LEGEND:

- XXXX ----- EXISTING ELEVATION CONTOURS
- XXXX ----- EXISTING GRADE
- XXXX ----- PROPOSED ELEVATION CONTOURS
- XXXX ----- EXISTING GRADE
- XXXX ----- PROPOSED ELEVATION CONTOURS
- XXXX ----- GRADE BREAK



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CIVIL GRADING PLAN

C1.0

GENERAL STRUCTURAL NOTES

GENERAL

- The structural notes are intended to complement the project specifications. Specific notes and details in the drawings shall govern over the structural notes and typical details.
- Typical details and sections shall apply where specific details are not shown.
- The structural drawings are not all-inclusive and do not contain all dimensions, elevations, openings, mechanical shafts, and penetrations needed to build the structure. The contractor shall coordinate these items with the Architectural, Mechanical and Electrical drawings.
- Omissions or conflicts between the contract drawings and/or specifications shall be brought to the attention of the architect/engineer before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the architect/engineer at no additional cost to the owner.
- The contractor shall submit a written request to the architect/engineer before proceeding with any changes, substitutions, or modifications. Any work done by the contractor before receiving written approval will be at the contractor's risk.
- The contractor shall coordinate with all trades any items that are to be integrated into the structural system such as openings, penetrations, mechanical and electrical equipment, etc. Sizes and locations of mechanical and other equipment that differs from those shown on the contract drawings shall be reported to the architect/engineer.
- The contractor shall provide adequate shoring and bracing as required for the chosen method of erection. Shoring and bracing shall remain in place until final connections for the permanent members are completed. The building shall not be considered stable until all connections are completed. Walls shall not be considered self-supporting and shall be braced until the floor system is completed.
- The contractor shall not cut or core any holes in concrete walls without prior review by the architect/engineer.
- Site observations by BHB Consulting Engineers' field representative shall not be construed as approval of construction procedures nor special inspection.
- Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings. The structural drawings shall be used in conjunction with the architectural and other consultants' drawings. Some dimensions and elements such as elevations, depressions, slopes, mechanical housekeeping pads, etc. are not shown in the structural drawings. All dimensions shown on structural drawings shall be verified by contractor with architectural, mechanical, and electrical drawings.
- Contractor shall review shop drawings for compliance with contract documents, and stamp shop drawings with review stamp prior to submission to architect for review. Review of shop drawings by BHB Consulting Engineers is for general compliance only and is not intended for approval. The shop drawing review shall not relieve the contractor from the responsibility of completing the project according to the contract documents. Fabrication shall not begin until shop drawings review process is complete. Shop drawings made from reproductions of the contract drawings will be rejected unless the contractor signs a release agreement prior to the shop drawings being reviewed.
- Only an authorized representative of BHB Consulting Engineers may make changes to these contract drawings. BHB Consulting Engineers shall not be held responsible or liable for any claims arising directly or indirectly from changes made without written authorization by an authorized representative of BHB Consulting Engineers.
- Bidding, pricing or construction done prior to receiving final building permits from the authorities having jurisdiction is at the contractor's own risk. Changes to the drawings may be required as part of the plan check process. BHB Consulting Engineers will not be held liable for, nor compensate for, changes to these drawings before final jurisdiction approval is obtained.

BASIS OF DESIGN

- | | |
|---|---|
| 1. Governing Code | International Building Code 2021 |
| a. Risk Category | II |
| 2. Snow Loads | |
| a. Ground Snow Load | P _g = 32 psf |
| b. Snow Importance Factor | I _s = 1.0 |
| c. Snow Exposure Coefficient | C _e = 1.0 |
| d. Thermal Exposure Coefficient | C _t = 1.2 |
| e. Roof Snow Load | P _r = 0.7 * C _e * C _t * I _s * P _g = 27 psf plus Snow Drift |
| 3. Rain Loads | |
| a. Rain Intensity | i = 1.5 in/hr |
| 4. Seismic Loads | |
| a. Seismic Importance Factor, I _e | 1.0 |
| b. Seismic Design Category | D |
| c. Site Specific Ground Motion Hazard Analysis | Not Required per exceptions in section 11.4.8 of ASCE 7 |
| d. Mapped Spectral Acceleration | S _s = 1.133g
S ₁ = 0.401g |
| e. Soil Site Class | D |
| f. Soil Site Coefficients | F _a = 1.2 |
| g. 5% Damped Design Spectral Response Acceleration | S _{0.5} = 2/3 * F _a * S _s = 0.907g |
| 5. Wind Loads | |
| a. Basic Wind Velocity (3 Second Gust) | 103 mph |
| b. Exposure Type | C |
| c. Internal Pressure Coefficient, GC _p i | +/-0.18 |
| d. Topographic Factor, K _{zt} | 1.0 |
| e. Ground Elevation Factor, Ke | 1.0 |

EXISTING CONDITIONS

- Structural connections and the framing systems shown in the structural drawings are based on a limited site survey. The contractor shall verify the existing conditions of exposed framing systems, connections, walls, and other structural elements within the project area. If existing conditions vary from the information in the contract documents, the contractor shall notify the architect/engineer prior to proceeding with the fabrication or construction of any affected elements.
- Existing framing systems and foundations taking new loads are assumed to be in good condition, unless noted otherwise in the contract documents. The contractor shall immediately notify the architect/engineer of any deficiencies in the existing structure that are observed or revealed during construction (e.g. corrosion of steel members, cracking or crumbling of concrete, checking or splitting of wood members) prior to proceeding with the fabrication or construction of any affected elements.
- The contractor shall use the foundation systems indicated on the plans for reference only, and shall field verify foundation sizes, locations, and thicknesses during construction. The contractor shall notify the architect/engineer if existing foundations vary from the information in the contract documents prior to proceeding with the fabrication or construction of any affected elements.
- While performing work adjacent to existing structures, the contractor shall be responsible for adequate shoring and protection of all existing structures, utilities, and services which will be affected by the work in the contract documents.

FOUNDATION

- | | |
|--|--|
| 1. Soils Investigation Report: | None |
| 2. Assumed Soil bearing pressure: | 1500 psf -Contractor shall verify at time of construction. |
| 3. Frost Protection: | 30" minimum. |
| 4. Clear excavations of debris and loose soil prior to placing footings. All footings shall bear on undisturbed natural sub-grade or engineered compacted fill as noted in these drawings. | |

EARTHWORK

- All footings shall bear on undisturbed suitable natural material or compacted structural fill extending down to undisturbed suitable natural material. Prior to construction, the contractor shall verify that the soil conditions are adequate for 1,500 psf allowable soil bearing pressure. If needed, structural fill shall be provided beneath footings.
- Clearing: Remove all existing structures and associated foundations, slabs, fencing, asphalt, concrete, and incidental structures as necessary for project completion. The building area shall be stripped of all vegetation, topsoil and debris. Following stripping, all fill soils and any remaining loose natural soils shall be excavated to expose competent natural soils.
- Proof roll the entire building pad area with normal compaction equipment to check for the presence of unsuitable fills, soft spots, or other undesirable materials or conditions. Remove sub-grade materials that are unsuitable and replace with compacted structural fill or 2,000 psi lean concrete.
- Compacted structural fill: All fill material shall be a well-graded granular material with a maximum size less than 3" and with not more than 15 percent passing a No. 200 sieve. It shall be compacted to at least 95 percent of the maximum laboratory density as determined by ASTM D 1557 for fill beneath footings and 90 percent for fill beneath floor slabs. All fill shall be tested. Compacted structural fill shall be placed in lifts not exceeding 8" in uncompacted thickness.
- Floor slabs thicknesses shall be as required by the plans and underlain by a granular layer at least 4" thick. The granular layer shall have a maximum size less than 1" with not more than 5 percent passing a #200 sieve and shall be compacted to at least 90 percent of the maximum laboratory density as determined by ASTM D 1557.
- Consult the project specifications for further earthwork requirements.

CONCRETE

- Materials, unless noted otherwise:
 - Normal weight aggregates: ASTM C 33
 - Combined aggregate gradation for slabs on grade and other designated concrete shall be 8% - 18% for large top size aggregates (1.1/2") or 8% - 22% for smaller top size aggregates (1" or 3/4") retained on each sieve below the top size and above the No. 100. The range for the No. 30 and No.50 sieves shall be 8% - 15% retained in each. To avoid gap gradation the following shall occur:
 - The percent retained on two adjacent sieves shall not fall below 5%.
 - The percent retained on three adjacent sieves shall not fall below 8%.
 - When the percent retained on two adjacent sieves is less than 8%, the total retained on either of these sieves and the adjacent outside sieve shall be at least 13%. See ACI 302 Section 5.4.3.3 for more information.
 - Maximum Aggregate Size shall not be larger than:
 - 3.1/2" or 1/5 the narrowest dimension of the forms
 - 1/3 the depth of the slab
 - 3/4 the minimum clear spacing between bars
 - Reinforcing Steel: ASTM 615 Grade 60 (F_y = 60 ksi)
Use Grade 40 (F_y = 40 ksi) for field bent dowels with spacings indicated reduced by 1/3.
See Structural Steel section
 - Anchor Rods
 - Admixtures:
 - Air-entraining admixtures shall comply with ASTM C 260 (when used).
 - Calcium chloride shall not be added to the concrete mix.
 - Water-reducing admixture shall comply with ASTM C 494/C 494M, Type A (when used)
 - Retarding admixture shall comply with ASTM C 494/C 494M, Type B (when used).
 - Water-reducing and retarding admixture shall comply with ASTM C 494/C 494M, Type D (when used).
 - High-range, water-reducing admixture shall comply with ASTM C 494/C 494M, Type F (when used).
 - High-range, water-reducing and retarding admixture shall comply with ASTM C 494/C 494M Type G (when used).
 - Admixture manufacturer shall have ISO 9001 Quality Certification. To ensure compatibility all admixtures shall be from the same manufacturer.
 - Type III cement complying with ASTM C-150 shall be used for all concrete. Cement source shall remain the same for the entire job. Alternatively blended hydraulic cement complying with ASTM C595, or performance based hydraulic cement manufactured to meet the requirements of ASTM C1157 can be used with GU designation.
 - The water/cementitious materials ratios shall meet the requirements of Table 19.3.2.1 of ACI 318-19.
 - Cementitious Materials – Limit percentage, by weight, of cementitious materials other than portland cement as follows:
 - Fly Ash - ASTM C618, Class C or F – 35% maximum cementitious content.
 - Slag Cement – ASTM C989, Grade 100 or 120 – 50% maximum cementitious content.
 - Provide air entraining as recommended by Table 19.3.3.1 of ACI 318-19. Concrete that extends above grade and is exposed to freezing and thawing while moist shall be air-entrained. Concrete in unconditioned spaces shall be considered site concrete.

- Concrete shall have, at the point of delivery, a slump of 4". Determine the slump by ASTM C143. Slump tolerance shall meet the requirements of ACI 117. When using high-range, water-reducing admixture or plasticizing admixture conforming to ASTM C494, it is permitted to increase the slump of concrete 8" maximum with a verified slump of 2" to 4", before the admixture is added.
 - No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.
- Compressive strengths of concrete at 28 days shall meet the follow performance requirements (see ACI-318-19, Chapter 19):
 - All Site Concrete

Strength	5,000 psi
Classification	F3, S0, W1, C2
 - Reinforcement for concrete slabs on grade:
 - 4" thick concrete slab on grade. Reinforce slab with #3 bars at 24" o.c. each way with 1.1/2" max cover below the top surface of the concrete.
 - At contractor's option, macro-synthetic fiber or welded wire fabric may be used in lieu of reinforcing bars with the following requirements:
 - 3 lbs minimum per cubic yard of macro-synthetic fiber reinforcing (ASTM C 1116 Type 3) with the following requirements:
 - Length 1.1/2" – 2"
 - Equivalent diameter of 0.016" to 0.05"
 - Minimum aspect ratio (length to equivalent diameter) of 50 to 90.
 - Provide a fiber dosage to achieve a minimum post-crack residual strength (f_{cs}) of 200 psi when tested according to ASTM C1609.
 - Maximum concrete shrinkage shall be 0.04% when tested according to ASTM C157 or C157 modified.
 - Fiber manufacturer shall provide the following:
 - Fiber dosage
 - Mix design
 - Finishing practices
 - 6" x 6" – W2.5/W2.5 welded wire fabric (ASTM A185 and A497) minimum, unless noted otherwise. Welded Wire Fabric with 1.1/2" of cover below the top surface of the concrete.
- Only one grade or type of concrete shall be poured on the site at any given time.
- The contractor shall be responsible for the design, detailing, care, placement and removal of all formwork and shores.
 - Supporting forms and shoring shall not be removed until structural members have acquired sufficient strength to safely support their own weight and any construction load to which they may be subjected. In no case, however, shall forms and shoring be removed in less than 24 hours after concrete placement.
- Reinforcement shall have the following concrete cover:

<u>Cast-in-place Concrete</u>	<u>Clear Cover</u>
i. Cast against and permanently exposed to earth	3"
ii. Formed concrete exposed to earth or weather: <ol style="list-style-type: none"> #6 thru #18 bars #5 and smaller bars 	2" 1.1/2"
iii. Concrete not exposed to weather or in contact with ground: <ol style="list-style-type: none"> Slabs, Walls and their piers, Joists: #11 bars and smaller Beams, Columns: Primary Reinf., Ties, Stirrups, Spirals 	3/4" 1.1/2"
- Detailing:
 - Lap splice lengths shall be detailed to comply with the "Concrete Reinforcing Bar Lap Splice Schedule" in drawings. Splices may be made with mechanical splices capable of 125% tension capacity of the bar being spliced. Mechanical splices shall be the positive connecting type coupler and shall meet all International Building Code requirements and shall have a current ICC-ES report or IAPMO Certification. Use "Lenton" Standard Couplers (ICC ER-3967), "Bar-Lock" (ICC ESR-2495) or equal with internal protector. If mechanical splices are used, splices or couplers on adjacent bars shall be staggered a minimum of 24" apart along the longitudinal axis of the reinforcing bars.
 - At joints, provide reinforcing dowels to match the member reinforcing, unless noted otherwise.
 - At all discontinuous control or construction slab on grade joints, provide 2 - #4 x 48".
 - Corner Bars: Provide corner bars at intersecting wall corners using the same bar size and spacing as the horizontal wall reinforcing. Corner bars shall lap the horizontal reinforcing with the required lap splice length. See "Typical Corner Wall Reinforcing at Concrete Walls" detail in drawings.
 - All vertical reinforcing shall be doweled to footings, or to the structure below with the same size and spacing as the vertical reinforcing for the element above. Dowels extending into footings shall terminate with a 90-degree standard hook and shall extend to within 4" of the bottom of the footing. Footing dowels (#8 bars and smaller) with hooks need not extend more than 20" into footings.
 - Horizontal wall reinforcing shall be continuous through construction and control joints.
 - See "Typical Reinforcing for Miscellaneous Openings Less than 3'-0" in Concrete Walls" detail in drawings for reinforcing around miscellaneous openings (8" to 36" wide). For openings wider than 36", contact the engineer. All recesses that interrupt reinforcing shall be reinforced the same as an opening.
- Construction Joints, Control (Contraction) Joints:
 - Construction joints in all horizontal and vertical construction joints including between top of footing and foundation walls shall be intentionally roughened to a full amplitude of approximately 1/4". The laitance on the concrete (thin, flaky layer of hardened, weakened hydrated cement) shall be mechanically removed from the surface after the concrete has achieved final set. Construction joints in slabs on grade shall not exceed a distance of 125'-0" o.c. in any direction.
 - Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. Control joints shall be completed as soon as final set is achieved and it is okay to operate the cutter on the slab. Final set is typically achieved within the first 4 to 12 hours after the slab has been finished in an area (depending on weather conditions and concrete hydration rate; 4 hours in hot weather to 12 hours in cold weather). For early entry saw cutting, joints should be cut within the first 1 to 4 hours (depending on weather conditions and concrete hydration rate; 1 hour for hot weather and 4 hours for cold weather). Where saw cut joints cannot be cut along the entire projected length of the joint, a 90-degree hand grinder or other tool shall be used to complete the joint. Control joints may be installed by:
 - Saw cut a depth of 1/4 the thickness of the slab (1.1/4" ± for early entry saws) minimum.
 - Tooled joints a depth of 1/4 the thickness of the slab
 - Saw cut depth shall be increased to 1/3 of the slab thickness (1.3/4" ± for early entry saws) where macro fibers are used.
 - For architectural exposed concrete walls, including retaining walls, provide contraction joints at a uniform spacing of not more than 20 ft o/c by placing deep (1.5 times the maximum aggregate size), narrow rustication strips on both wall faces to induce cracking. Place contraction joints at any locations in which the wall changes thickness. At all contraction joints, reduce horizontal reinforcing crossing the joint by 1/2 of the horizontal reinforcement elsewhere in the wall. Coordinate location with the architectural drawings.

PROJECT NUMBER

240519

ISSUE DATE

06/14/24

REVISION DATE DESCRIPTION

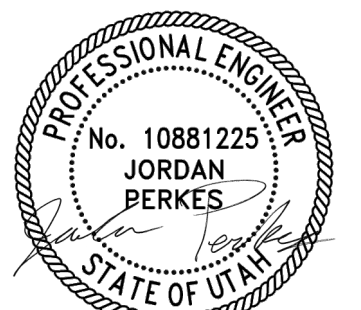
REVISION	DATE	DESCRIPTION



420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
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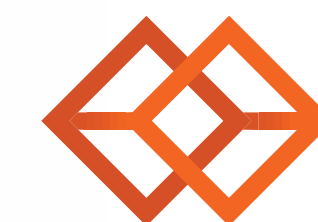
3000 HAUN DR. WEST JORDAN, UT 84088



6/14/2024

GENERAL STRUCTURAL NOTES

S001



BHB STRUCTURAL
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Salt Lake City, Utah 84115
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GENERAL STRUCTURAL NOTES

9. Construction
 - a. Use chairs or other support devices recommended by the CRSI to support and tie reinforcement bars prior to placing concrete. Reinforcing steel for slabs on grade shall be adequately supported. Support reinforcing steel of slabs on grade with precast concrete units. Lifting the reinforcing off the grade during placement of concrete is not permitted.
 - b. Concrete to be mechanically consolidated during placement per ACI standards.
 - c. Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, inserts and other embedded items prior to concrete placement.
 - d. All embeds, anchors and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
 - e. No pipes, ducts, sleeves, etc shall be placed in structural concrete unless specifically detailed or approved by the structural engineer. Penetrations through walls when approved shall be built into the wall prior to concrete placement. Penetrations will not be allowed in footings or grade beams unless detailed. Piping shall be routed around footings and grade beams and unless detailed. Footings shall be stepped to avoid piping.
 - f. Reinforcing Bars shall not be welded. Do not substitute reinforcing bars for DBAs or HSAs.

POST-INSTALLED ANCHORS

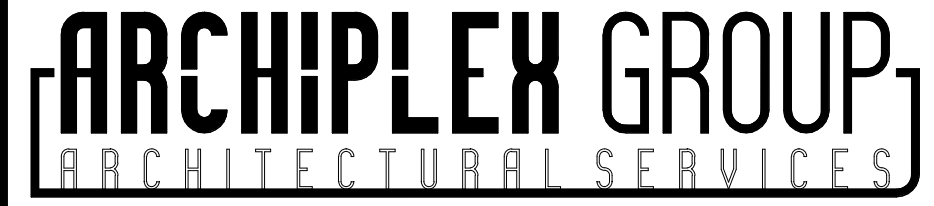
1. General Post-Installed Anchor Notes
 - a. Do not install adhesive anchors in concrete if less than 21 days old; do not install mechanical anchors, screw anchor or powder actuated anchors in concrete less than 7 days old. Contractor must obtain written approval from the engineer to install prior to these time periods. Do not apply full load to anchors until concrete has reached 28-day compression strength.
 - b. Anchors or adhesives specified in details shall be provided; alternative anchors or adhesives may be used if the contractor provides calculations demonstrating that the alternative can achieve the performance values of the specified product. These calculations, along with an ICC-ES ESR or IAPMO-UJES ER approval for use in cracked concrete and compliant with the specified codes herein, must be submitted to the structural engineer prior to use.
 - c. Follow all the manufacturer's recommendations and certification testing reports for anchor installation. See specific anchors below for more information.
 - d. No anchor shall be installed within 1.5 anchor rod diameters of an abandoned hole that has been filled with non-shrink grout; increase distance to 3 anchor rod diameters when the abandoned hole has not been filled.
2. Adhesive Anchors
 - a. For anchors in concrete, the adhesives shall be divided into two groups: Standard Adhesives and High Strength Adhesives. Standard adhesives can be used in general applications when details reference the "Standard Adhesive Embedment Schedule" in drawings. High Strength adhesive groups will be specified for the particular application in the drawings and details. When a High Strength Adhesive is specified, the contractor has the option to use any of the adhesives in the High Strength group. When a Standard Adhesive is specified, the contractor has the option to use any of the adhesives in either group. See below for the acceptable adhesives in each group.
 - i. Standard Adhesive Group for anchors in concrete includes the following adhesives:
 1. SET-XP (ICC-ES ESR-2508) by Simpson Strong-Tie
 2. Pure 50+ (ICC-ES ESR-3576) by Dewart
 3. AC100+ Gold (ICC-ES ESR-2582) by Dewart
 4. HIT-RE 100 (ICC-ES ESR-3829) by Hilti, Inc.
 - ii. High Strength Adhesive Group for anchors in concrete includes the following adhesives:
 1. SET-3G (ICC-ES ESR-4057) by Simpson Strong-Tie
 2. Pure 110+ (ICC-ES ESR-3298) by Dewart
 3. AC200+ (ICC-ES ESR-4027) by Dewart
 4. HIT-RE 500-V3 (ICC-ES ESR-3814) by Hilti Inc.
 5. HIT-HY 200 (ICC-ES ESR-3187) by Hilti Inc. Adhesive shall be within the manufacturer's recommended life time and prior to expiration date. Do not use adhesive that has not been stored per manufacturer's recommendations or may have experienced freeze thaw cycles or extreme heat.
 - b. Do not install adhesive anchor in wet or damp hole unless product is approved for such conditions without strength reduction. Do not install adhesive anchors if concrete temperature is below 50-degree F unless adhesive is approved for lower temperature without strength reduction. Refer to manufacturer's published installation instructions.
 - c. Follow all the manufacturer's recommendations and certification testing reports regarding hole cleaning prior to adhesive installation. All holes shall be drilled with ANSI standard bits designed for concrete. Diamond core drilled holes are not allowed unless indicated in specific details or approved by the structural engineer prior to use.
3. Mechanical Anchors
 - a. For concrete, the mechanical anchor shall be Kwik Bolt TZ2 (ICC-ES ESR-4266) by Hilti Inc., Strong-Bolt 2 (ICC-ES ESR-3037) by Simpson Strong-Tie Inc. or Power-Stud+ SD2 (ICC-ES ESR-2502) by Dewart.
4. Screw Anchors
 - a. For concrete, the screw anchors shall be Titen HD (ICC-ES ESR-2713 for concrete only) by Simpson Strong-Tie, or Screw-Bolt + (ICC-ER ESR-3889 for concrete only) by DeWalt or Kwik HUS-EZ (ICC-ES ESR-3027 for concrete only) by Hilti Inc.
5. Powder Actuated Fasteners
 - a. For fasteners driven into steel (except at metal decks), concrete, or concrete over metal deck, the fastener shall be X-U P8 TH Universal Knurled Shank Fastener (ICC-ES ESR-2269) by Hilti Inc., PDPA (ICC-ES ESR-2138) by Simpson Strong-Tie Inc. or 8mm Head Spiral CSI Drive Pin (ICC-ES ESR-2024) by Dewart.

PROJECT NUMBER
240519

ISSUE DATE

06/14/24

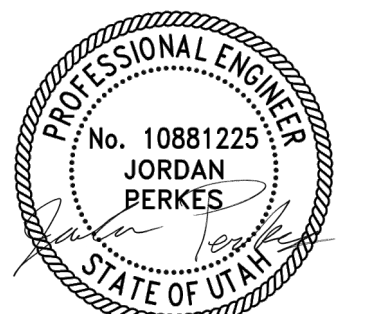
REVISION	DATE	DESCRIPTION



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PHONE #: (385) 777-2972

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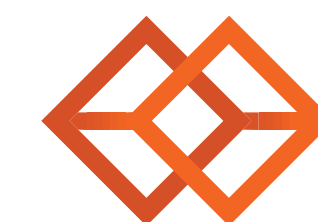
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GENERAL STRUCTURAL NOTES

S002



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REQUIREMENTS FOR SPECIAL INSPECTION, MATERIAL TESTING, AND STRUCTURAL OBSERVATION

STATEMENT OF SPECIAL INSPECTION AND QUALITY ASSURANCE

Special inspection and quality assurance (including structural testing), as required by section 1704 and 1705 of the 2021 IBC, shall be provided by an independent agency employed by the owner for the items in this section and other areas of the approved construction documents, unless waived by the building official.	
The names and credentials of the Special Inspectors to be used shall be submitted to the Building Official for approval.	
Responsibilities of the Special Inspector	
	Special Inspector shall review all work listed in the special inspection schedules herein for conformance with the approved construction plans, specifications and 2021 IBC. Testing and inspection reports shall be sent on a weekly basis to the architect, engineer, building official and contractor for review. All items not in compliance shall be brought to the immediate attention of the contractor for correction, and if uncorrected, to the architect, engineer and building official. Once corrections have been made by the contractor, the special inspector shall submit a final signed report to the building official stating that the work requiring special inspection was, to the best of the special inspector's knowledge, in conformance with the approved construction plans, specifications and 2021 IBC.
Responsibilities of the Contractor	
	The contractor shall submit a written statement of responsibility to the owner and the building official prior to the commencement of work in accordance with 2021 IBC section 1704.4. This statement shall indicate that the contractor will coordinate and cooperate with the required inspections contained herein. The contractor shall notify the designated special inspector that work is ready for inspection at least 24 hours before said inspection is required. All work requiring special inspection shall remain open and accessible until it has been observed by the special inspector and deemed acceptable through inspection report. Special inspection during fabrication is not required if the fabricator is registered and approved by the authority having jurisdiction to perform such work without special inspection. Upon completion of fabrication, the approved fabricator shall submit a certificate of compliance for submittal to the building official. The contractor shall be responsible for their own quality control including materials, fabrication, erection, etc.

SOILS CONSTRUCTION INSPECTIONS

Soils (2021 IBC Section 1705.6, and Table 1705.6)			
ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Site Preparation	-	X	Verify excavations are extended to proper depth and have reached proper materials. Verify that the site has been prepared in accordance with the Earthwork section of the General Structural Notes and per recommendations by a geotechnical engineer (if required) prior to placement of prepared fill.
Fill Material	X	-	Verify that the material being used, the maximum lift thickness and the in-place dry density of the compacted fill material comply with the Earthwork section of the General Structural Notes and per recommendations by a geotechnical engineer (if required) during placement and compaction.
Continuous Footing Backfill: at least one test for each 40 linear feet or less of wall length, but no fewer than 2 tests.	-	X	At each compacted backfill layer.
Spot Footing Backfill: Minimum of one compaction test for each lift for each spot footing.	-	X	At each compacted backfill layer.

CONCRETE CONSTRUCTION INSPECTIONS

Concrete (2021 IBC Section 1705.3, Table 1705.3, and Section 1904) The following concrete elements require special inspection:

All concrete footings, All concrete walls including foundation walls, concrete slab-on-grade.

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Protection of concrete during cold and hot weather	-	X	Verify maintenance of specified curing temperature and techniques
Verify materials used including use of the required mix design	-	X	Verify Use of required design mix. Verify mix design meets strength and exposure requirements listed on General Structural Notes
Formwork	-	X	Verify shape, location and member dimensions
Testing of concrete prior to concrete placement	-	X	Fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.
Bolts installed in concrete	X	-	Inspection of anchors or embeds cast in concrete is required when allowable loads have been increased or where strength design is used. Prior to and during concrete placement.
Embeds and Inserts installed in concrete	X	-	Prior to and during concrete placement.
Concrete reinforcing steel placement	-	X	Verify that reinforcing is of specified type, grade and size; that it is free of oil, dirt and rust; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; and that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report.
Concrete placement and samples	X	-	Cylinders, slump, temperature and air-entrainment shall be done for every 150 cubic yards or each day's production if the day's production is less than 150 cubic yards nor less than once for each 5000 sq. ft of surface area for slabs and walls.

POST-INSTALLED ANCHOR INSPECTIONS

ITEM FOR VERIFICATION & INSPECTION	INSPECTION FREQUENCY		COMMENTS
	CONTINUOUS	PERIODIC	
Post-Installed Anchors and Reinforcing Bars (2021 IBC Section 1705.1.1)			
Adhesive Anchors and Reinforcing Bars	X	-	Special inspection shall be performed per manufacturer's requirements and approved ICC-ES reports noted in POST-INSTALLED ANCHORS section of the General Structural Notes prior to installation of adhesive and anchor rod. If the anchor is not installed in a horizontal, upwardly inclined or overhead orientation meant to resist sustained tension loads, special inspection may be reduced to a periodic frequency.
Mechanical Anchors and Screw Anchors	-	X	Special inspection shall be provided per manufacturer's requirements and approved ICC-ES reports noted in POST-INSTALLED ANCHORS section of the General Structural Notes prior to installation of mechanical or screw anchor.

STRUCTURAL OBSERVATION PROGRAM

If structural observations are required, they shall be done by the Engineer of Record or an approved subordinate at the stages of construction listed in the Construction Notification Phases section of these notes. The structural observer shall visually observe representative locations of structural systems, details and load paths for general conformance with the approved construction documents. Structural observation does not include or waive the responsibility for the special inspections indicated in these structural drawings. At the conclusion of the project, the designated structural observer shall submit to the building official a written statement that the site visits have been made and identify any reported deficiencies that to the best of the structural observer's knowledge have not been resolved (See IBC 2021 1704.6).

STRUCTURAL OBSERVATION PROGRAM REQUIRED BY CODE:	YES	NO
		X

CONSTRUCTION MILESTONE SCHEDULE

CONTRACTOR TO NOTIFY ENGINEER AT THE FOLLOWING CONSTRUCTION PHASES:	
CONCRETE	
Footings, stem walls and piers	Prior to pouring concrete

DEFERRED SUBMITTALS

For the purposes of this section, deferred submittals are defined as per section 107.3.4.1 of the IBC 2021. Submittal documents for deferred submittal items shall be submitted to the engineer, architect and building official for their review for general conformance with the design of the building.

DEFERRED STRUCTURAL SUBMITTALS FOR THIS PROJECT ARE
None

PROJECT NUMBER
240519

ISSUE DATE

06/14/24

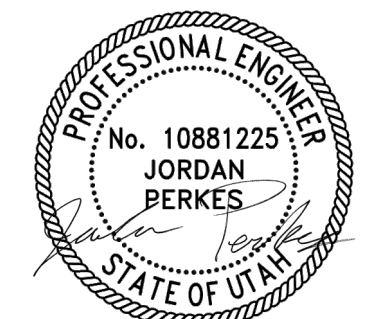
REVISION	DATE	DESCRIPTION



420 WEST 1500 SOUTH SUITE 203
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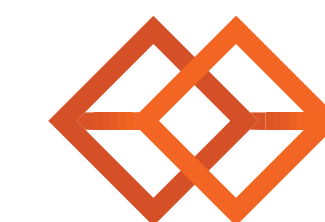
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SPECIAL INSPECTION NOTES

S003



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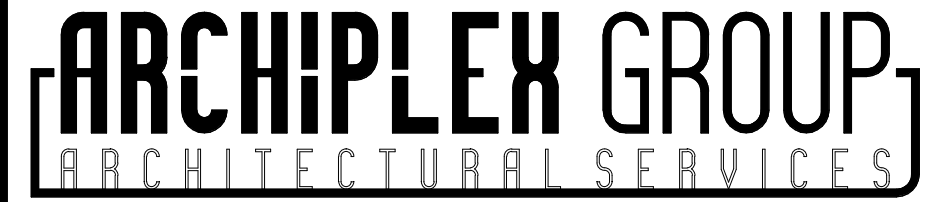
PROJECT NUMBER
240519

ISSUE DATE

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REVISION DATE DESCRIPTION

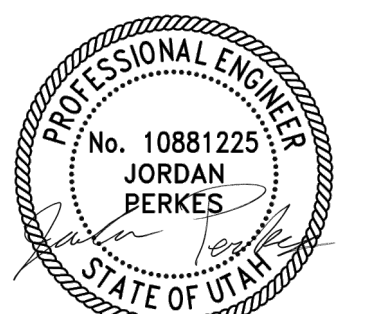
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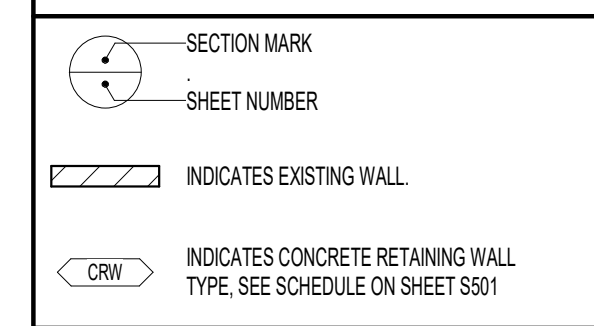
SYMBOLS AND SHEET LIST

S010

LEGEND OF MARKS AND ABBREVIATIONS

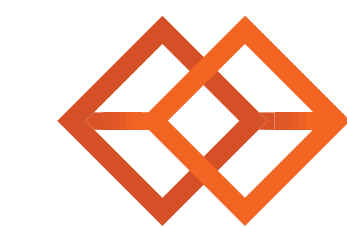
AB	ANCHOR BOLT(S)	k	KIP(S) = 1000 POUNDS
ABV	ABOVE	KLF	KIPS PER LINEAL FOOT
ALT	ALTERNATE	KSF	KIPS PER SQUARE FOOT
APPROX	APPROXIMATE		
ARCH	ARCHITECT(URAL)	LBS	POUNDS
		LF	LINEAL FOOT
BLDG	BUILDING		
BLW	BELOW	MAX	MAXIMUM
BM	BEAM	MECH	MECHANICAL
BOT	BOTTOM		
BRG	BEARING	MFR	MANUFACTURER
BTWN	BETWEEN	MIN	MINIMUM
		MISC	MISCELLANEOUS
CC	CENTER-TO CENTER		
C.J.	CONST/CONTROL JOINT	NIC	NOT IN CONTRACT
COL	COLUMN	NTS	NOT TO SCALE
CONC	CONCRETE		
CONST	CONSTRUCTION	O.C.	ON CENTER
CP-x	CONCRETE PIER	O.F.	OUTSIDE FACE
CRW-x	CONCRETE RETAINING WALL	OPNG	OPENING
CTR	CENTER	OPP	OPPOSITE
CW-x	CONCRETE WALL		
		PAF	POWDER-ACTUATED FASTENER
DB	DECK BEARING	PCF	POUNDS PER CUBIC FOOT
DBA	DEFORMED BAR ANCHOR	PL	PLATE
DBE	DECK BEARING ELEVATION	PLF	POUNDS PER LINEAL FOOT
DBL	DOUBLE	PSF	POUNDS PER SQUARE FOOT
DET	DETAIL	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	PT	POINT
DIM	DIMENSION	P-	
DN	DOWN		
DWG	DRAWING	REINF	REINFORCING
DWL	DOWEL	REQD	REQUIRED
		R.D.	ROOF DRAIN
(E)	EXISTING	RTU	ROOF TOP UNITS
EA	EACH		
E.F.	EACH FACE	SHT	SHEET
E.J.	EXPANSION JOINT	SI	SPECIAL INSPECTION
ELEC	ELECTRICAL	SIM	SIMILAR
ELEV	ELEVATION	SMU	SUSPENDED MECHANICAL UNITS
E.O.D.	EDGE OF DECK	SOG	SLAB-ON-GRADE
E.O.S.	EDGE OF SLAB	SQ	SQUARE
EQUIP	EQUIPMENT	STAG	STAGGERED
EQ	EQUAL	STD	STANDARD
E.W.	EACH WAY	STL	STEEL
EXST	EXISTING	STR	STRUCTURAL
EXT	EXTERIOR	STS	SELF TAPPING SCREWS
FC-x	CONTINUOUS FOOTING MARK	T&B	TOP AND BOTTOM
F.D.	FLOOR DRAIN	TEMP	TEMPERATURE
FDN	FOUNDATION	THDS	THREADS
F.F.	FINISHED FLOOR	T.O.	TOP OF
FR-x	RECTANGULAR FOOTING	TOC	TOP OF CONCRETE
FS-x	SQUARE FOOTING MARK	TOD	TOP OF DECK
FT	FOOT	TOF	TOP OF FOOTING
FTG	FOOTING	TOW	TOP OF WALL
FTS-x	THICKENED SLAB MARK	TYP	TYPICAL
GA	GAUGE	UNO	UNLESS NOTED OTHERWISE
GALV	GALVANIZED		
GSN	GENERAL STRUCTURAL NOTES	VERT	VERTICAL
HORIZ	HORIZONTAL	W/	WITH
HSA	HEADED STUD ANCHOR	WT	WALL THICKNESS
HT	HEIGHT	WWF	WELDED WIRE FABRIC
		WWM	WELDED WIRE MESH
ICC	INTERNATIONAL CODE COUNCIL		
IBC	INTERNATIONAL BUILDING CODE		
I.F.	INSIDE FACE		
IN.	INCH		
INT	INTERIOR		
JT	JOINT		

MARKS AND SYMBOLS LEGEND



STRUCTURAL SHEET LIST

Sheet Number	Sheet Name
S001	GENERAL STRUCTURAL NOTES
S002	GENERAL STRUCTURAL NOTES
S003	SPECIAL INSPECTION NOTES
S010	SYMBOLS AND SHEET LIST
S101	FOOTING AND FOUNDATION PLAN
S501	DETAILS



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PROJECT NUMBER
240519

ISSUE DATE
06/14/24

REVISION DATE DESCRIPTION

ARCHIPLIX GROUP
ARCHITECTURAL SERVICES

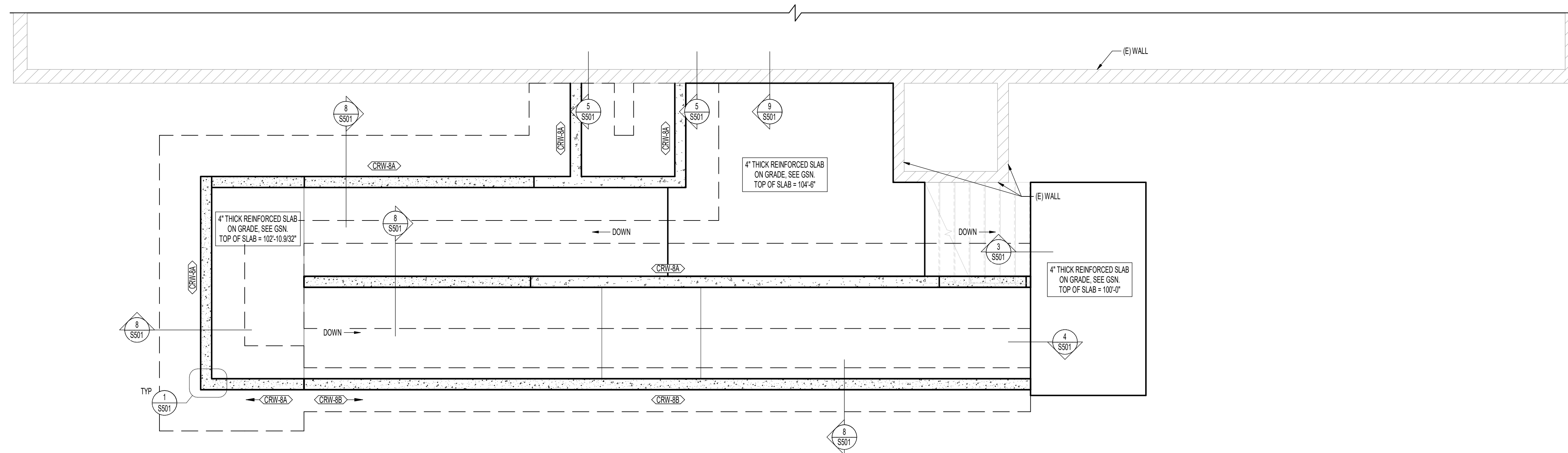
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PHONE #: (385) 777-2972

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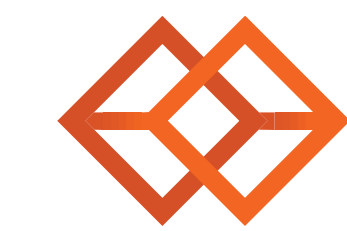
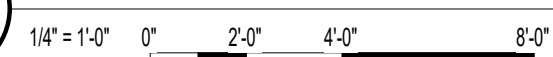
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FOOTING AND FOUNDATION PLAN NOTES

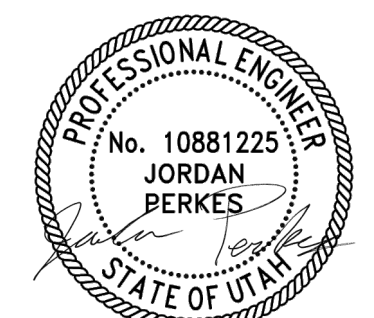
1. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
2. SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS.



1 FOOTING AND FOUNDATION PLAN



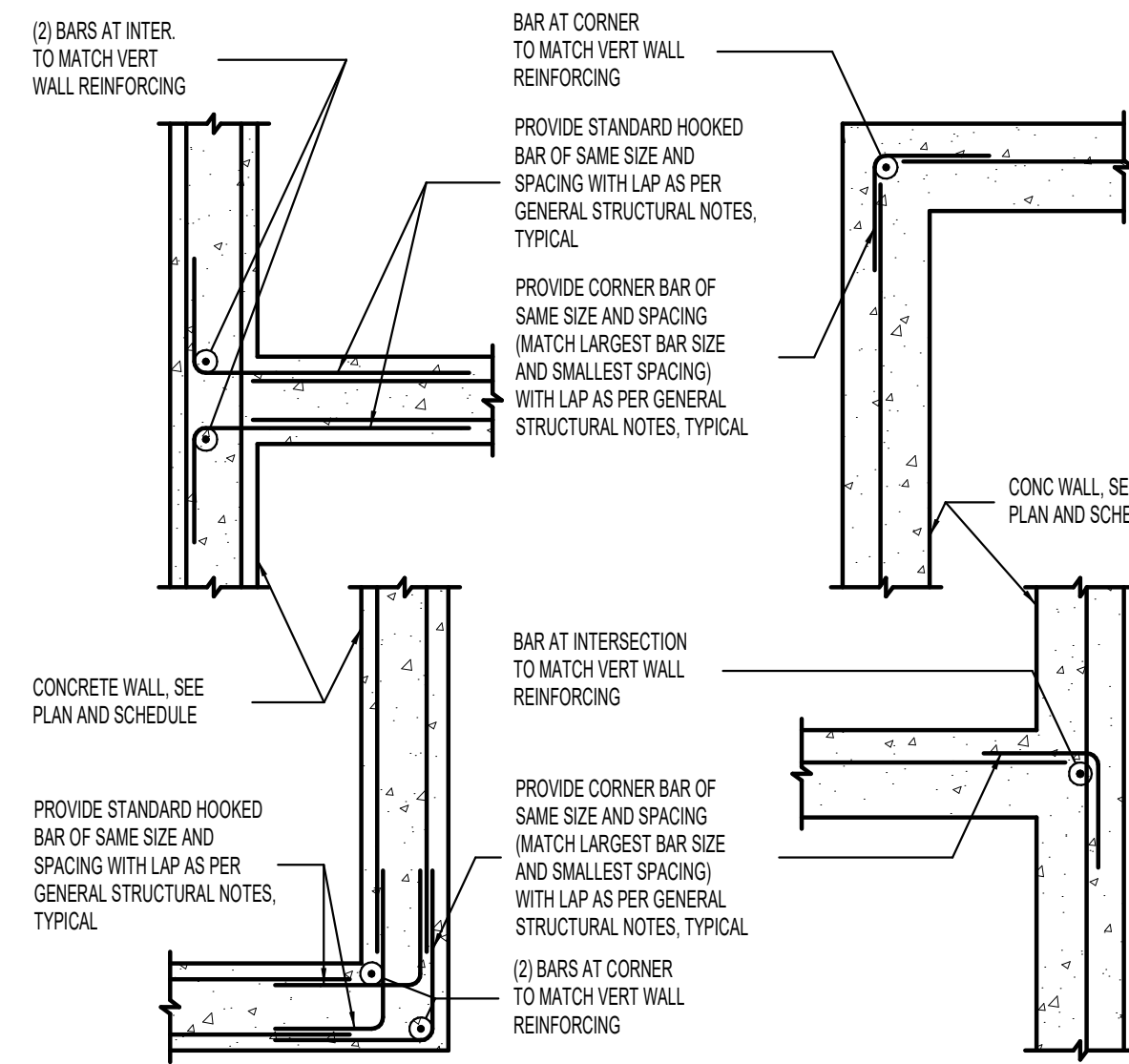
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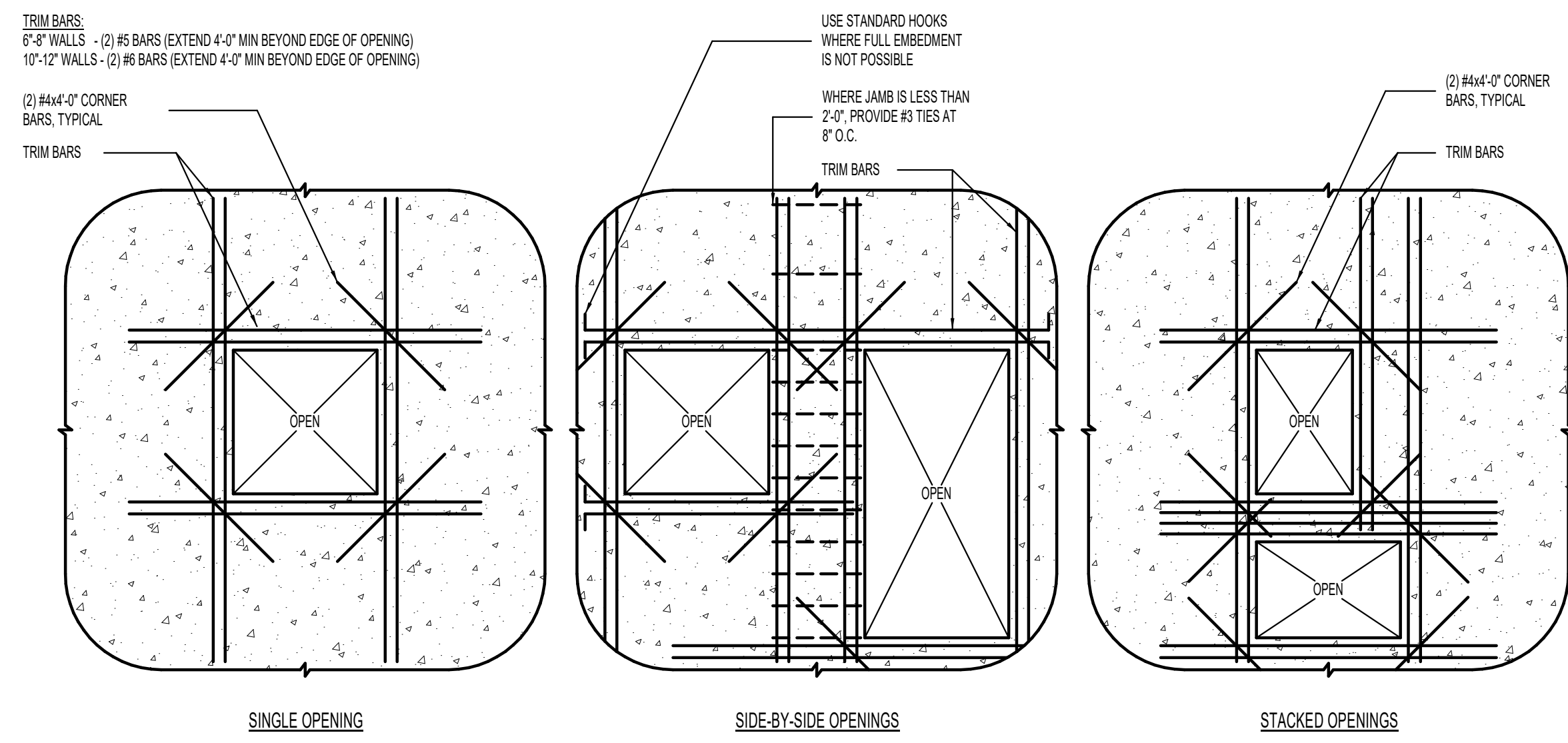
6/14/2024

FOOTING AND FOUNDATION PLAN

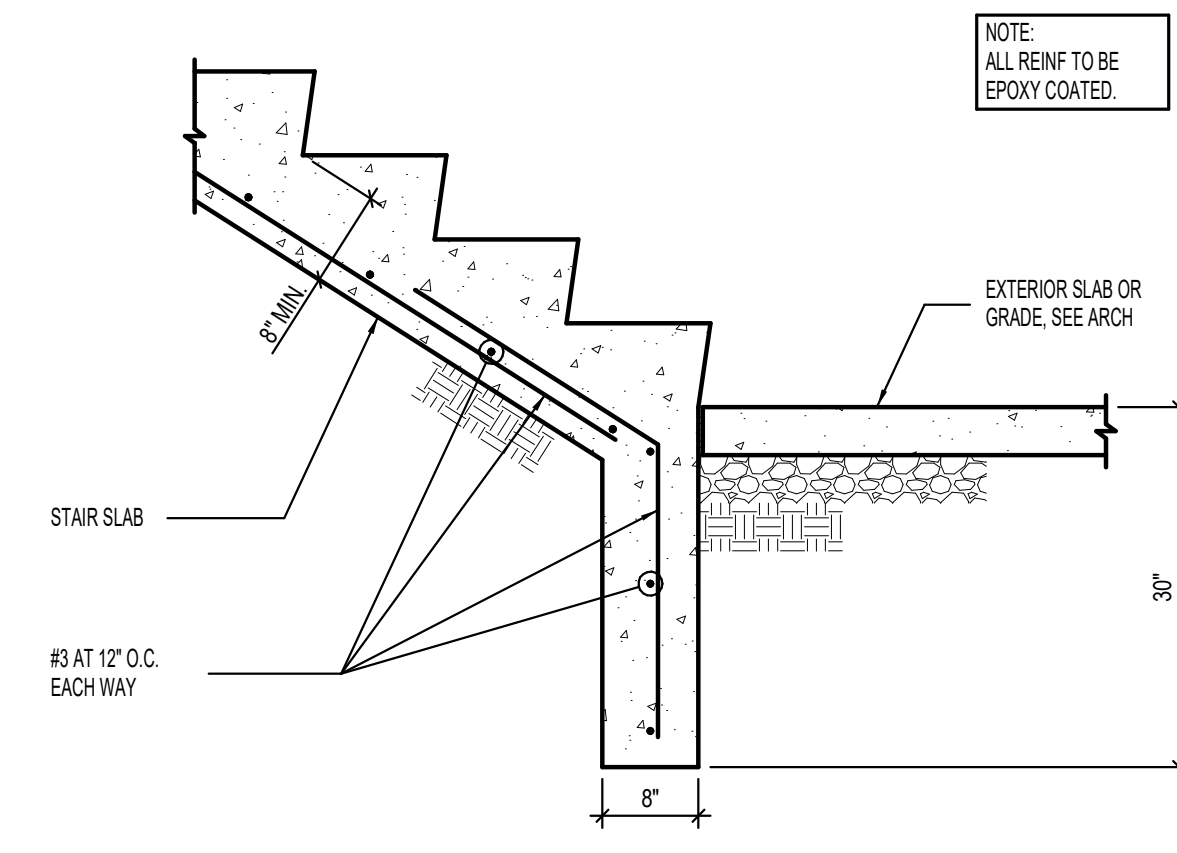
S101



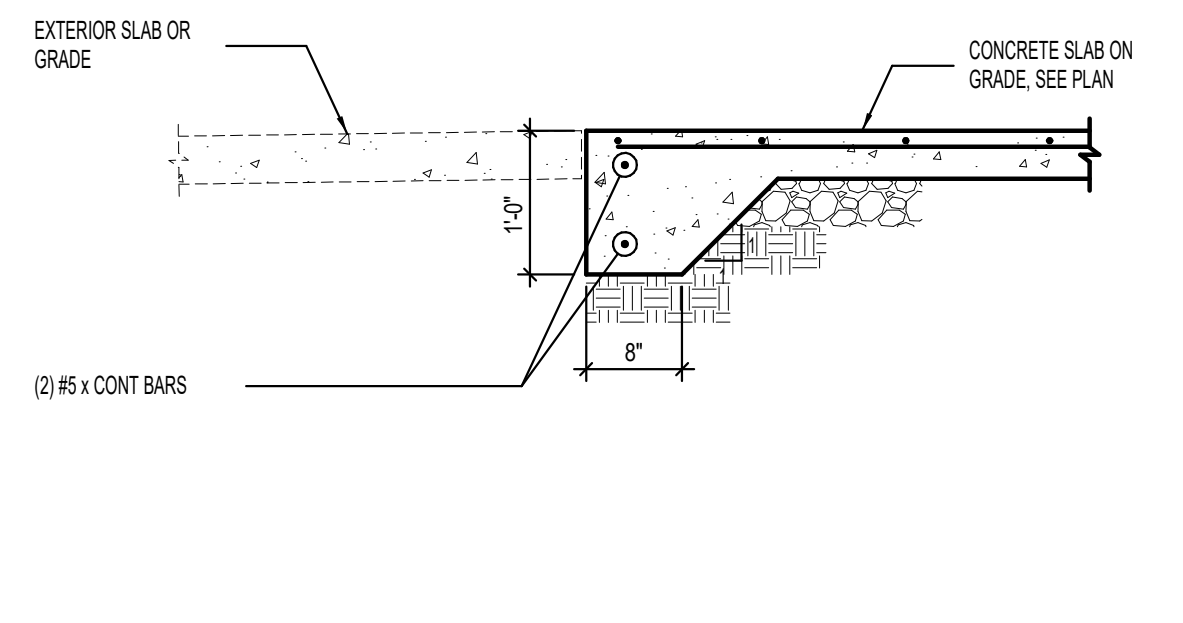
1 TYPICAL CORNER WALL REINFORCING AT CONCRETE WALLS
[PLAN VIEW] NO SCALE



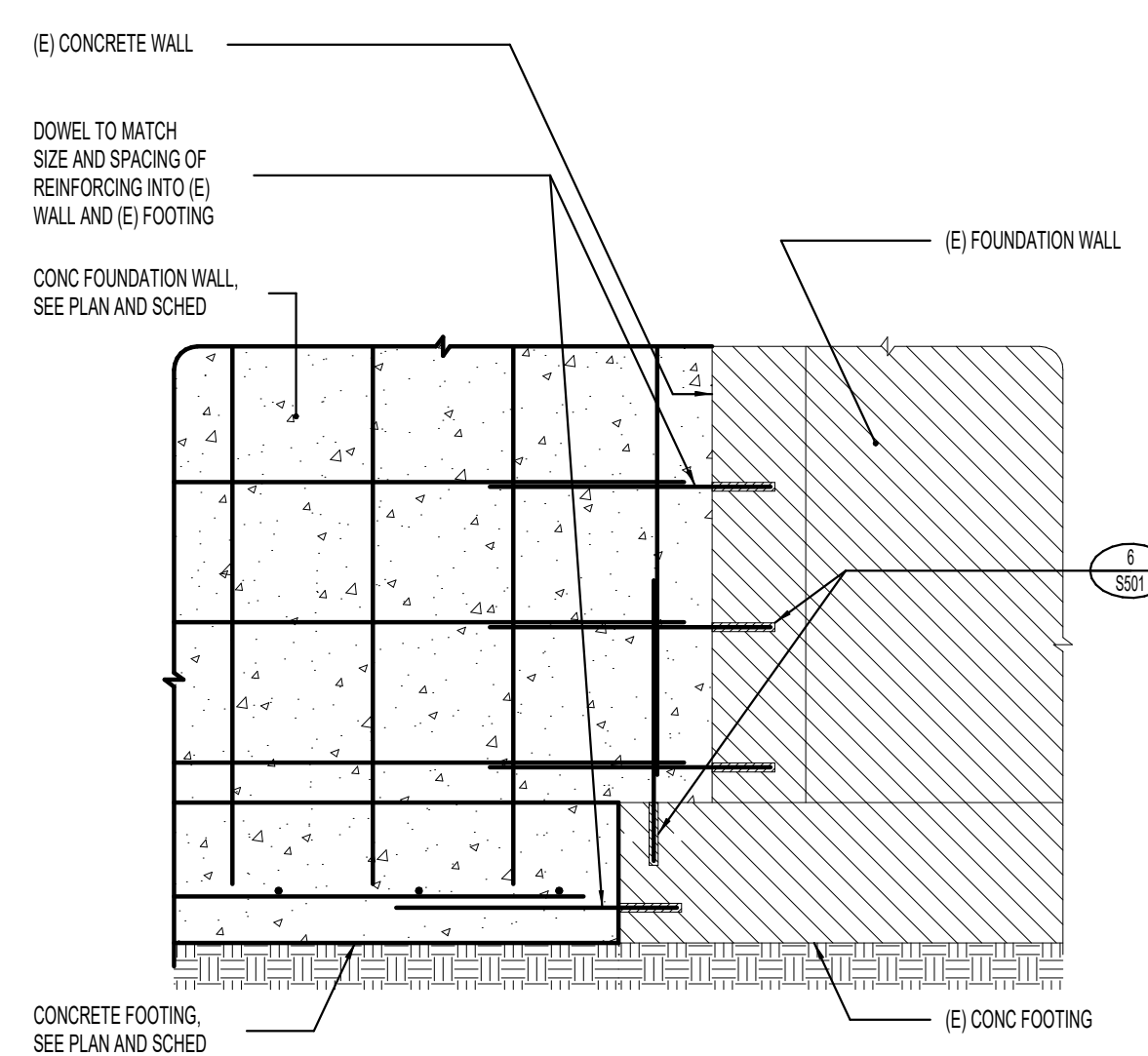
2 TYPICAL REINFORCING FOR MISCELLANEOUS OPENINGS LESS THAN 3'-0" IN CONCRETE WALLS
WHERE MISCELLANEOUS OPENING WIDTH IS GREATER THAN 3'-0" WIDE, CONTACT STRUCTURAL ENGINEER. NO SCALE



3 EXTERIOR STAIR DETAIL NO SCALE



4 CONCRETE FOUNDATION WALL DETAIL NO SCALE

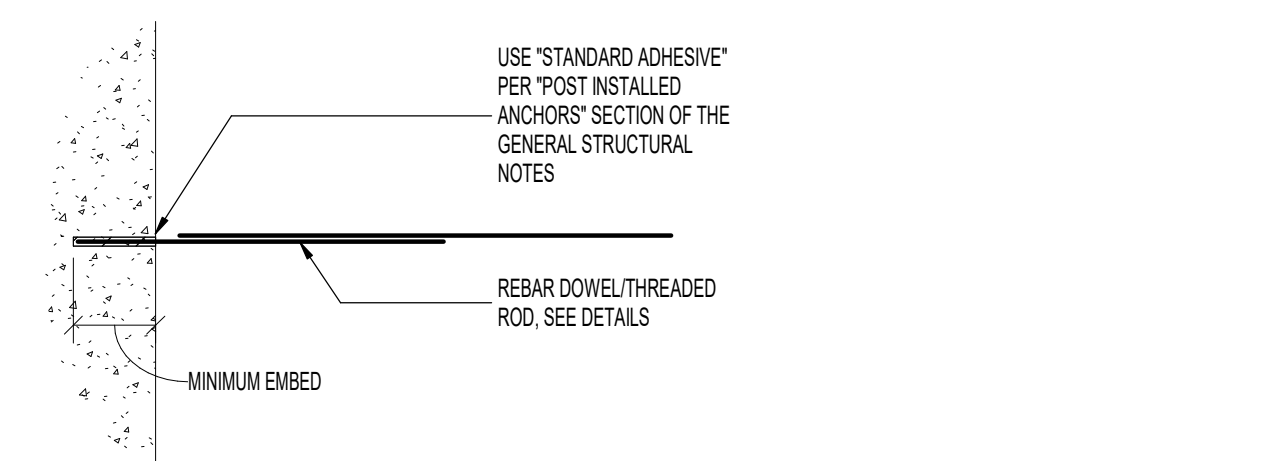


5 NEW FOOTING AT EXISTING FOUNDATION WALL NO SCALE

STANDARD ADHESIVE EMBEDMENT SCHEDULE

REBAR DOWEL (THREADED ROD SIZE)	MIN EMBEDMENT INTO CONCRETE OR GROUTED MASONRY
#3 (3/8")	3 3/8"
#4 (1/2")	4 1/2"
#5 (5/8")	5 5/8"
#6 (3/4")	6 3/4"

- STANDARD ADHESIVE EMBEDMENT NOTES:
- SPECIFIC EMBEDMENTS, NOTES AND DETAILS IN DRAWINGS SHALL GOVERN OVER THIS SCHEDULE.
 - HOLE DIAMETER SHALL BE DOWEL/ROD DIAMETER PLUS 1/8". FOLLOW MANUFACTURER'S INSTRUCTIONS FOR HOLE PREPARATION.
 - PROVIDE A 3" MINIMUM EDGE DISTANCE TO CENTER OF HOLE.
 - CONTACT STRUCTURAL ENGINEER IF MINIMUM EMBEDMENTS INDICATED ABOVE ARE NOT ACHIEVABLE.
 - SEE "POST INSTALLED ANCHORS" SECTION OF GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



6 STANDARD ADHESIVE EMBEDMENT SCHEDULE 3/4" = 1'-0"

CONCRETE REINFORCING BAR LAP SPLICE SCHEDULE

BAR SIZE	f'c = 3000psi & f'c = 3500 psi				f'c = 4000psi & f'c = 4500 psi				f'c = 5000psi				f'c = 6000psi			
	REGULAR		TOP		REGULAR		TOP		REGULAR		TOP		REGULAR		TOP	
	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS	CLASS
#3	17"	22"	22"	28"	15"	19"	19"	24"	13"	17"	17"	22"	12"	16"	15"	20"
#4	22"	29"	29"	37"	19"	25"	25"	32"	17"	22"	22"	29"	16"	20"	20"	27"
#5	28"	36"	36"	47"	24"	31"	31"	40"	22"	28"	28"	36"	20"	26"	26"	33"
#6	33"	43"	43"	56"	29"	37"	37"	48"	26"	33"	33"	43"	24"	31"	31"	40"
#7	48"	63"	63"	81"	42"	54"	54"	70"	37"	49"	49"	63"	34"	44"	44"	58"
#8	55"	72"	72"	93"	48"	62"	62"	80"	43"	56"	56"	72"	39"	51"	51"	66"
#9	62"	81"	81"	105"	54"	70"	70"	91"	48"	63"	63"	81"	44"	57"	57"	74"
#10	70"	91"	91"	118"	61"	79"	79"	102"	54"	70"	70"	91"	50"	64"	64"	83"
#11	78"	101"	101"	131"	67"	87"	87"	113"	60"	78"	78"	101"	55"	71"	71"	93"

TABULATED VALUES ARE FOR CASE 1 REINFORCEMENT, WHERE THE REQUIREMENTS OF TABLE BELOW ARE MET. WHERE THESE CONDITIONS ARE NOT MET, MULTIPLY THE LAP LENGTHS (L_s) BY 1.5.

REQUIREMENT FOR CASE 1 LAP LENGTHS

BAR CLEAR SPACING	CLEAR COVER	STIRRUPS OR TIES
>=db	>=db	>=CODE MINIMUM THROUGHOUT L _s
>=2db	>=db	NO REQUIREMENT

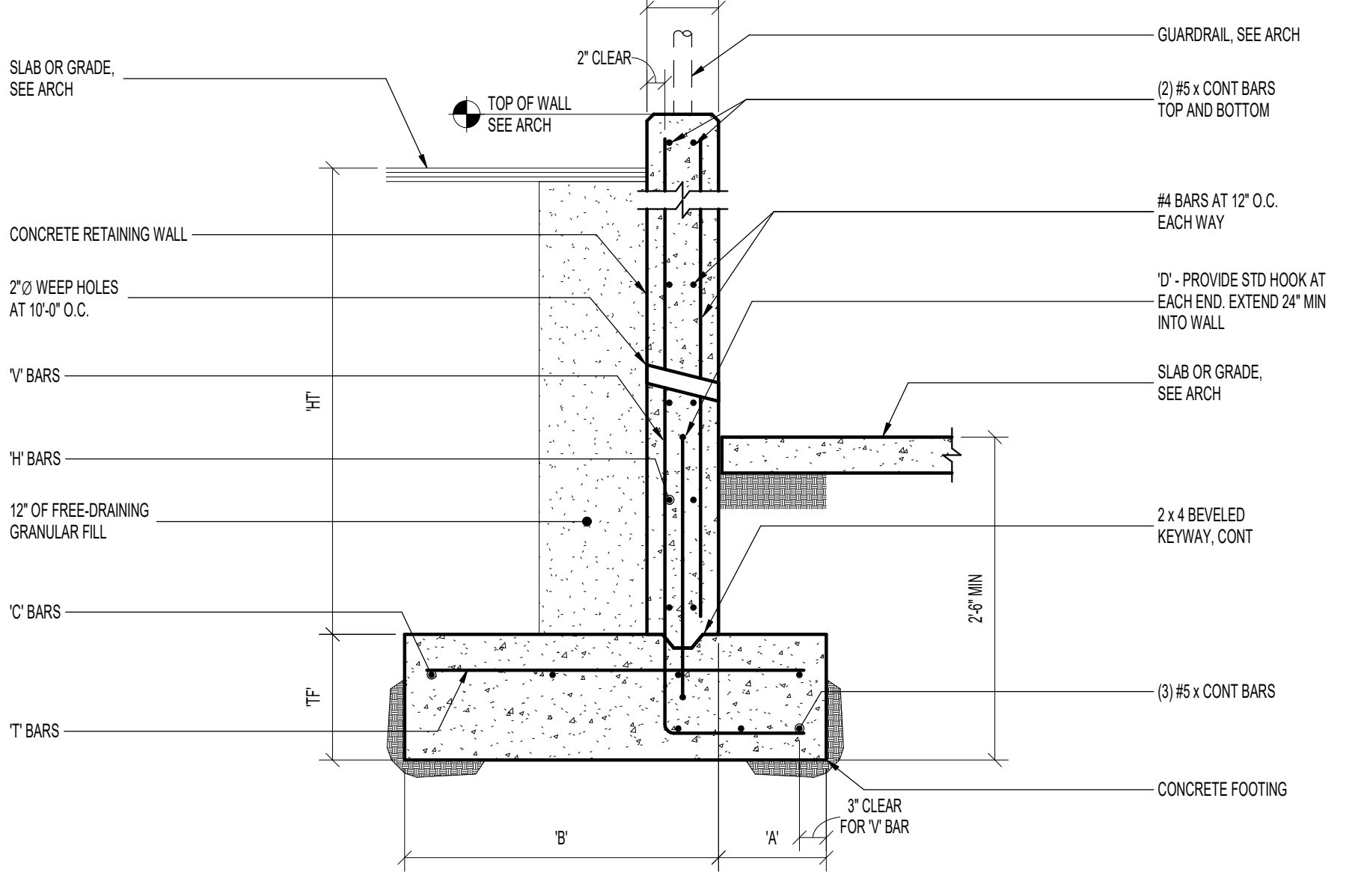
- CONCRETE REINFORCING BAR LAP SPLICE NOTES:
- THIS SCHEDULE SHALL BE USED FOR ALL BAR SPLICES IN CONCRETE, UNLESS NOTED OTHERWISE.
 - CLASS 'A' SPLICES MAY BE USED ONLY AT SLABS ON GRADE OR WHERE APPROVED BY EOR IN CASES WHERE 50% OR LESS OF THE BARS ARE SPLICED WITHIN THE LAP SPLICE LENGTH.
 - CLASS 'B' SPLICES SHALL BE USED FOR ALL SPLICES UNLESS NOTED OTHERWISE.
 - TIES AND STIRRUPS SHALL NOT BE SPLICED.
 - DO NOT SPLICE VERTICAL BARS IN RETAINING WALLS UNLESS SPECIFICALLY SHOWN.
 - THE VALUES TABULATED IN SCHEDULE ARE FOR GRADE 60 REINFORCING BARS. FOR OTHER LAP LENGTHS BY 1.53.
 - THE VALUES TABULATED IN SCHEDULE ARE MINIMUM REQUIREMENTS. LONGER LENGTHS MAY BE USED FOR CONSTRUCTIBILITY.
 - LAP SPLICES ARE NOT ALLOWED FOR BARS GREATER THAN #11 BAR. THE LENGTHS IN SCHEDULE ARE FOR TENSION DEVELOPMENT LENGTH.
 - TOP BARS ARE CLASSIFIED AS HORIZONTAL BARS WHERE 12" OR MORE OF FRESH CONCRETE IS CAST BELOW THE REINFORCING BAR.
 - FOR EPOXY-COATED OR ZINC AND EPOXY DUAL-COATED BARS WITH CLEAR COVER < 3db OR CLEAR SPACING < 8db, MULTIPLY LAP LENGTHS BY 1.5. FOR ALL OTHER CASES MULTIPLY BY 1.2.
 - FOR LIGHT WEIGHT CONCRETE, MULTIPLY LAP LENGTHS BY 1.33.
 - SPLICES FOR BUNDLED BARS:
 - A. FOR BUNDLED BARS OF THREE OR LESS, LAP SPLICE LENGTHS SHALL BE MULTIPLIED BY 1.2.
 - B. FOR BUNDLED BARS OF FOUR OR MORE, LAP SPLICE LENGTHS SHALL BE MULTIPLIED BY 1.33.
 - INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP.
 - ENTIRE BUNDLES SHALL NOT BE LAP SPLICED.
 - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

7 CONCRETE REINFORCING - BAR LAP SPLICE SCHEDULE 3/4" = 1'-0"

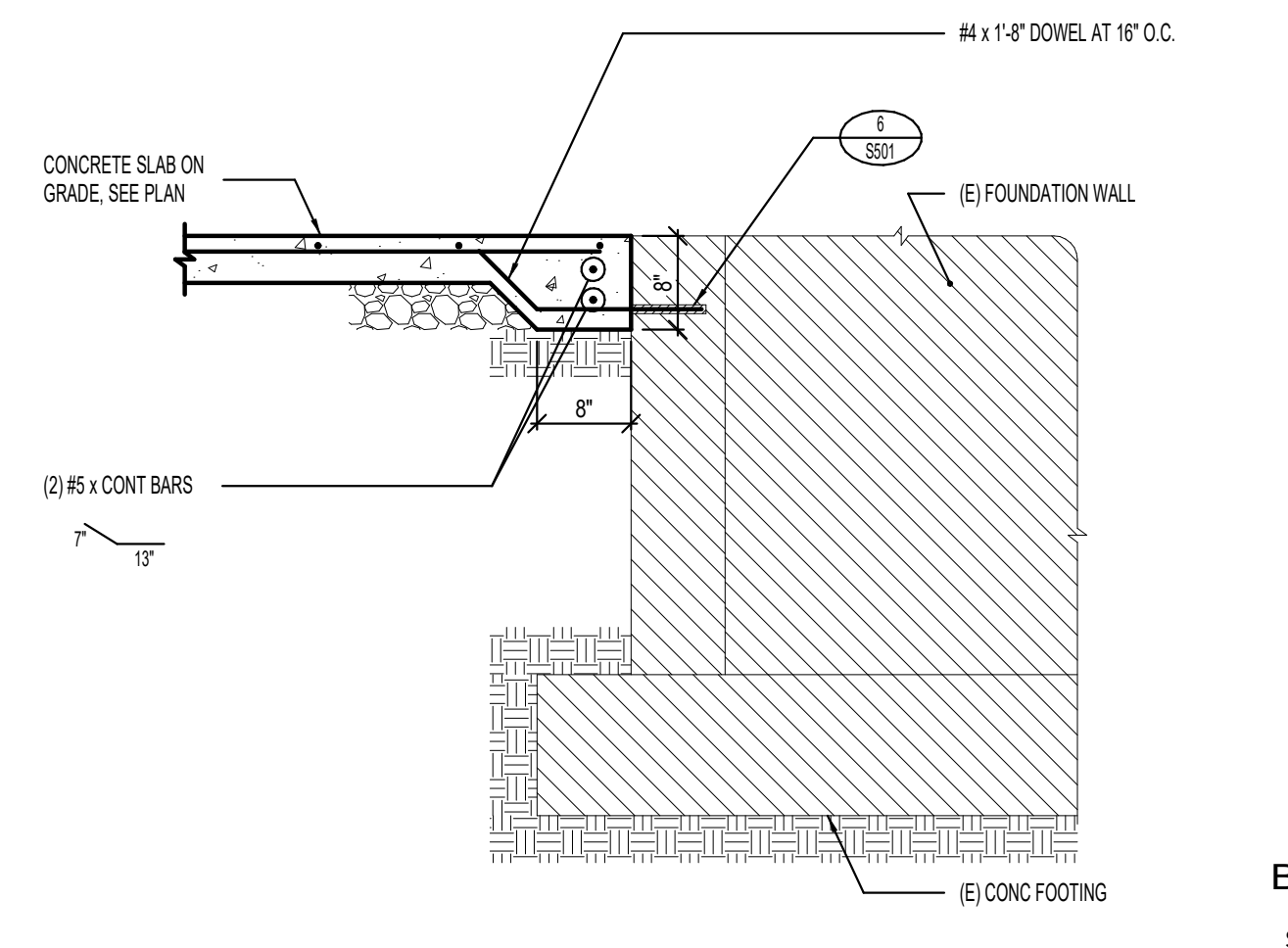
CRW FOOTING

MARK	DIMS			HT	TW	V		H		T		C		D		COMMENTS
	A	B	TF			SIZE	SPACE	SIZE	SPACE	SIZE	SPACE	SIZE	SPACE	SIZE	SPACE	
CRW-8A	2'-0"	2'-6"	1'-0"	6'-0"	8"	#5	14"	#5	14"	#5	14"	#5	14"	#5	14"	
CRW-8B	8"	1'-4"	1'-0"	3'-0"	8"	#5	14"	#5	14"	#5	14"	#5	14"	#5	14"	

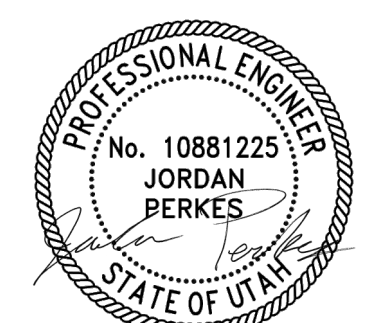
- CONCRETE RETAINING WALL NOTES:
- V BARS SHALL NOT BE SPLICED BELOW MID-HEIGHT OF WALL.
 - PROVIDE VERTICAL CONTRACTION JOINTS AT 20'-0" O.C. MAXIMUM. SEE ARCHITECTURAL DRAWINGS AND GENERAL STRUCTURAL NOTES.
 - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



8 CONCRETE RETAINING WALL SCHEDULE 3/4" = 1'-0"



9 CONCRETE SLAB ON GRADE TO (E) WALL DETAIL NO SCALE



6/14/2024

DETAILS



S501

GENERAL NOTES - DEMOLITION FLOOR PLAN

- A SEE GENERAL NOTES ON SHEET G001 FOR ADDITIONAL REQUIREMENTS
- B SEE STRUCTURAL DRAWINGS AND CALCULATIONS FOR ALL STRUCTURAL REQUIREMENTS, INCLUDING FOUNDATION WALL SPECIFICATIONS AND SHEARWALL AND HOLDDOWN REQUIREMENTS.

KEYNOTE LEGEND

- 1 EXISTING FLAG POLE TO RELOCATED
- 2 PLANTER BOX TO REMAIN
- 3 EXISTING BUILDING
- 4 RAILING TO BE DEMOED
- 5 RAMP TO BE REMOVED. REUSE DIRT UNDER RAMP FOR NEW RAMP SUB BASE
- 6 PORTION OF SIDEWALK TO BE REMOVED
- 7 LANDING TO BE REMOVED. REUSE DIRT UNDER LANDING FOR NEW LANDING
- 8 STAIRS TO BE REMOVED. REUSE DIRT UNDER STAIR FOR NEW STAIRS
- 9 TREE TO BE REMOVED

PROJECT NUMBER
2414.01

ISSUE DATE
08/05/22

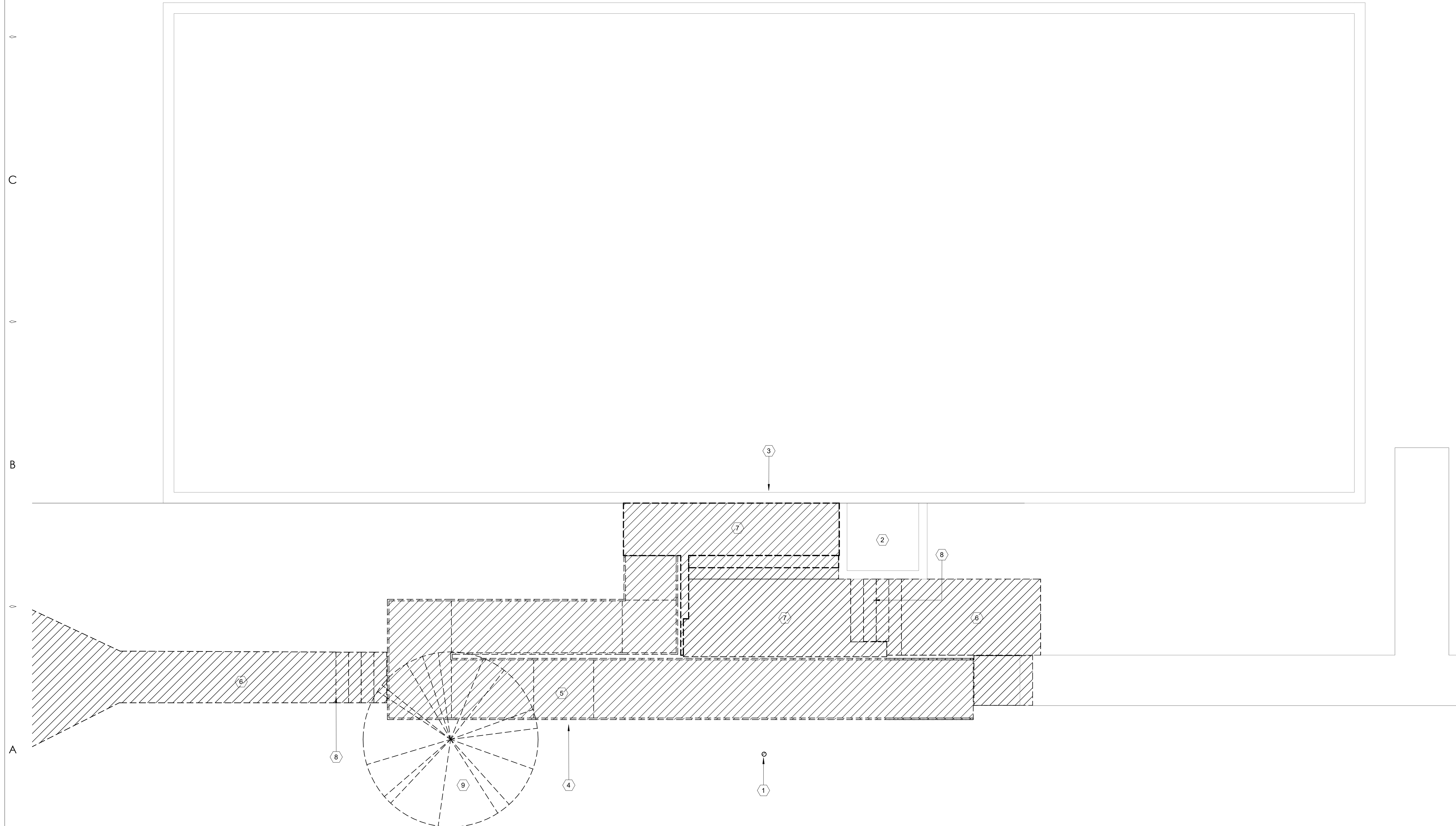
REVISION	DATE	DESCRIPTION



420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

UCA BINGHAM STAIR & RAMP

3000 HAUN DR. WEST JORDAN, UT 84088



A1 DEMO PLAN

AD101 | REF. A1 A201 SCALE: 1/4" = 1'-0"

DEMOLITION PLAN VIEW

AD101

GENERAL NOTES - DEMOLITION FLOOR PLAN

- A SEE GENERAL NOTES ON SHEET G001 FOR ADDITIONAL REQUIREMENTS
- B SEE STRUCTURAL DRAWINGS AND CALCULATIONS FOR ALL STRUCTURAL REQUIREMENTS, INCLUDING FOUNDATION WALL SPECIFICATIONS AND SHEARWALL AND HOLDDOWN REQUIREMENTS.

KEYNOTE LEGEND

- 1 EXISTING FLAG POLE TO RELOCATED
- 2 EXISTING CANOPY ABOVE TO REMAIN
- 3 EXISTING BUILDING
- 4 PLANTER BOX TO REMAIN
- 5 RAILING TO BE DEMOED
- 6 LANDING TO BE REMOVED, REUSE DIRT UNDER LANDING FOR NEW LANDING
- 7 RAMP TO BE REMOVED, REUSE DIRT UNDER RAMP FOR NEW RAMP SUB BASE
- 8 STAIRS TO BE REMOVED, REUSE DIRT UNDER STAIR FOR NEW STAIRS
- 9 TREE TO BE REMOVED

PROJECT NUMBER
2414.01

ISSUE DATE
08/10/22

REVISION	DATE	DESCRIPTION



420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

UCA BINGHAM STAIR & RAMP
3000 HAUN DR. WEST JORDAN, UT 84088

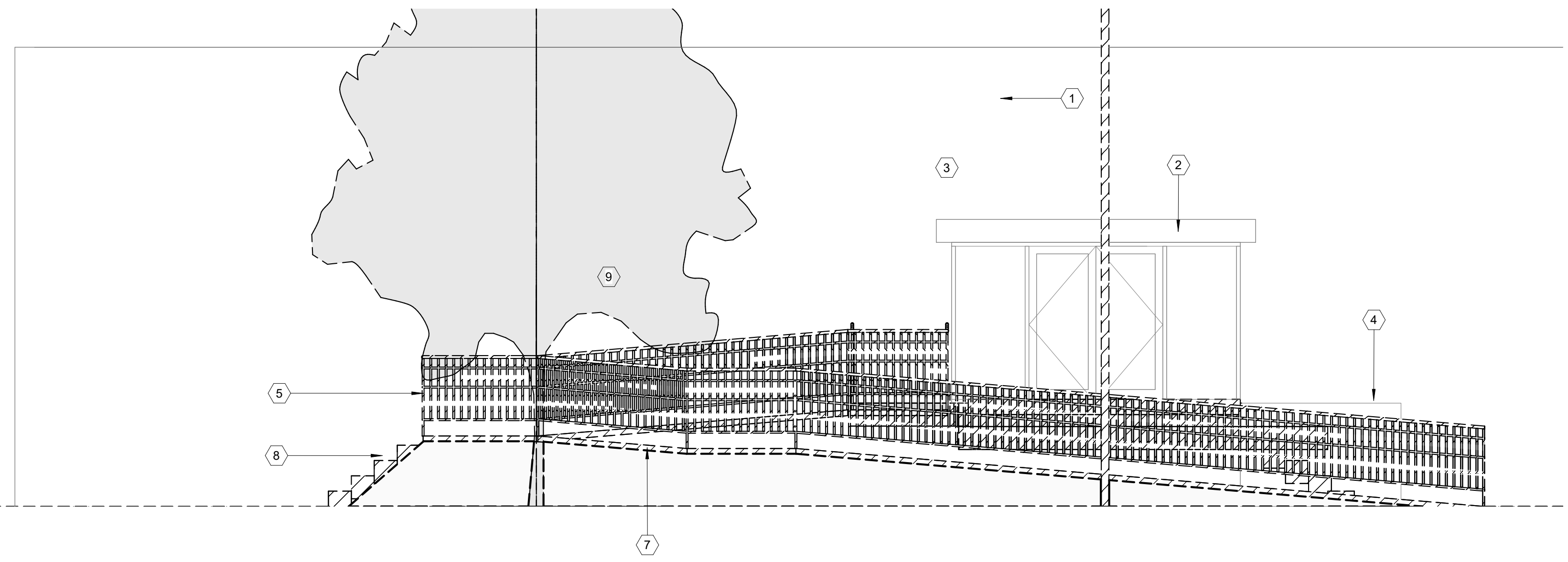
D

C

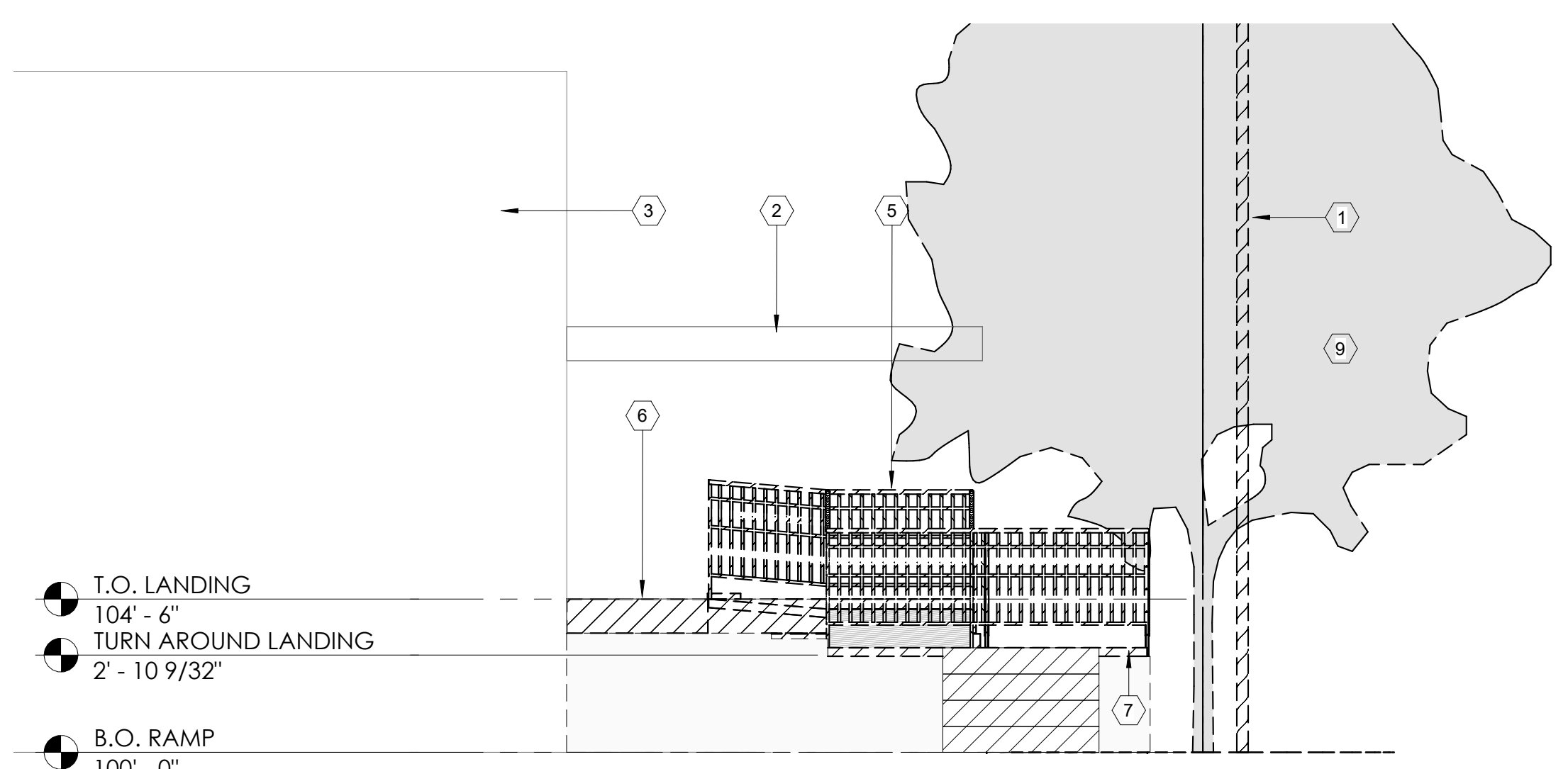
B

A

- T.O. LANDING
104' - 6"
- TURN AROUND LANDING
2' - 10 9/32"
- B.O. RAMP
100' - 0"

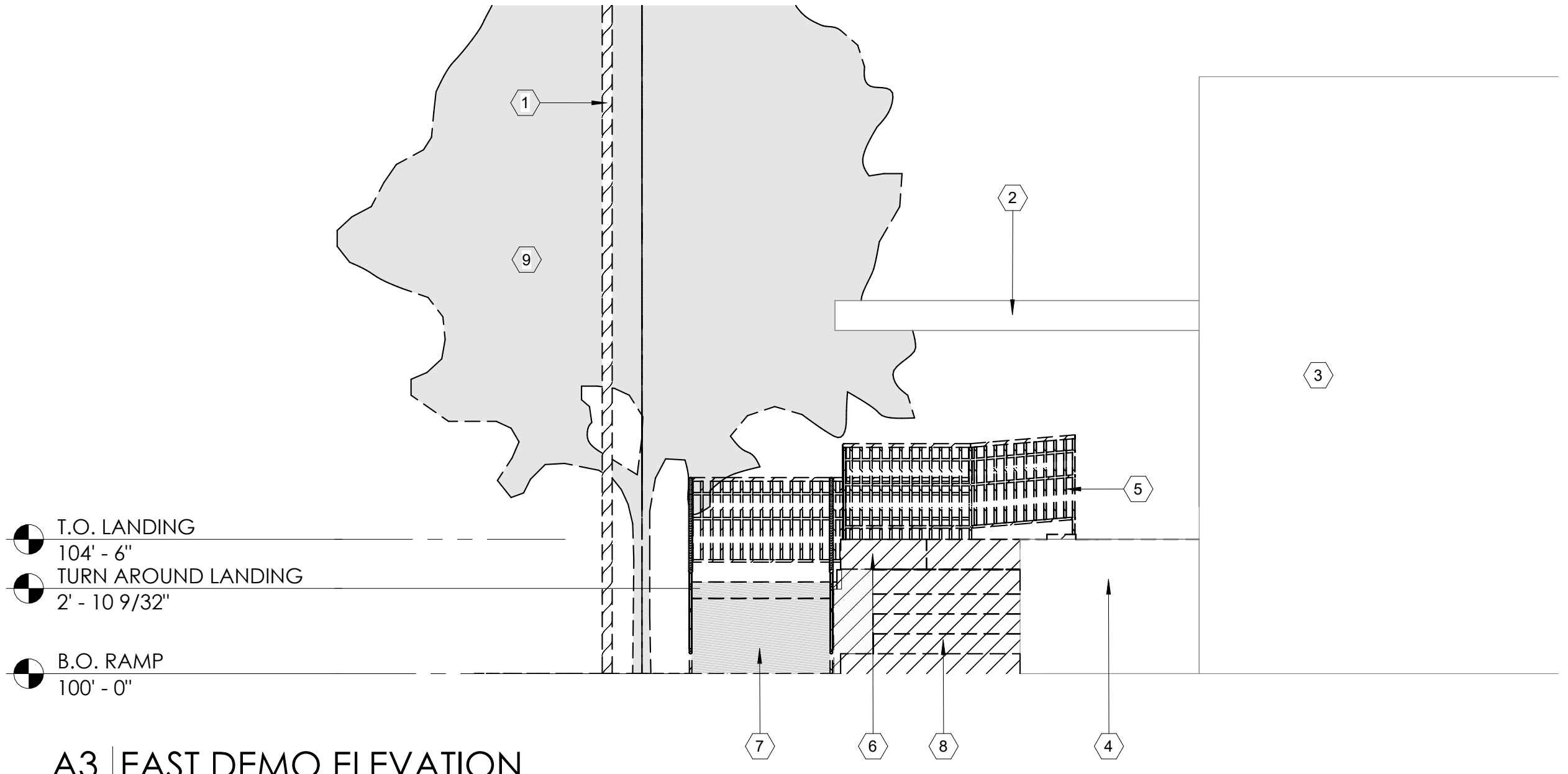


B1 SOUTH DEMO ELEVATION
AD201 | REF. SCALE: 1/4" = 1'-0"



- T.O. LANDING
104' - 6"
- TURN AROUND LANDING
2' - 10 9/32"
- B.O. RAMP
100' - 0"

A1 WEST DEMO ELEVATION
AD201 | REF. SCALE: 1/4" = 1'-0"



- T.O. LANDING
104' - 6"
- TURN AROUND LANDING
2' - 10 9/32"
- B.O. RAMP
100' - 0"

A3 EAST DEMO ELEVATION
AD201 | REF. SCALE: 1/4" = 1'-0"

DEMOLITION ELEVATIONS

AD201

GENERAL NOTES - FLOOR PLAN

A	SEE GENERAL NOTES ON SHEET G001 FOR ADDITIONAL REQUIREMENTS
B	DIMENSIONS TO DOORS AND WINDOWS ARE TO CENTER OF FRAMED OPENING UNLESS NOTED OTHERWISE. DIMENSIONS TO STOREFRONT SYSTEMS ARE TO EDGE OF OPENING.
C	SEE STRUCTURAL DRAWINGS AND CALCULATIONS FOR ALL STRUCTURAL REQUIREMENTS, INCLUDING FOUNDATION WALL SPECIFICATIONS AND SHEARWALL AND HOLDDOWN REQUIREMENTS.
D	PROVIDE SOUND INSULATION IN ALL WALLS AROUND BATHROOMS, AND OFFICES
E	COORDINATE ALL WINDOW HEAD HEIGHTS AND SIZES WITH ELEVATIONS AND WINDOW SCHEDULE.
F	ALL NEW SYSTEMS I.E. PLUMBING, ELECTRICAL, AND MECHANICAL TO TIE INTO EXISTING SYSTEMS UNLESS OTHERWISE NOTED.

KEYNOTE LEGEND

1	<varies>
2	EXISTING CANOPY ABOVE TO REMAIN
3	PLANTER BOX TO REMAIN
4	NEW PLANTER BOX TO MATCH EXISTING PLANTER WALL - REFER TO DETAILS FOR MORE INFO
5	NEW CONCRETE LANDING
6	EXISTING BUILDING
7	EXISTING SIDEWALK TO REMAIN
8	RAMP TRANSITION TO LANDING
9	FLAG POLE NEW APPROXIMATE LOCATION

PROJECT NUMBER
2414.01

ISSUE DATE
09/28/23

REVISION	DATE	DESCRIPTION

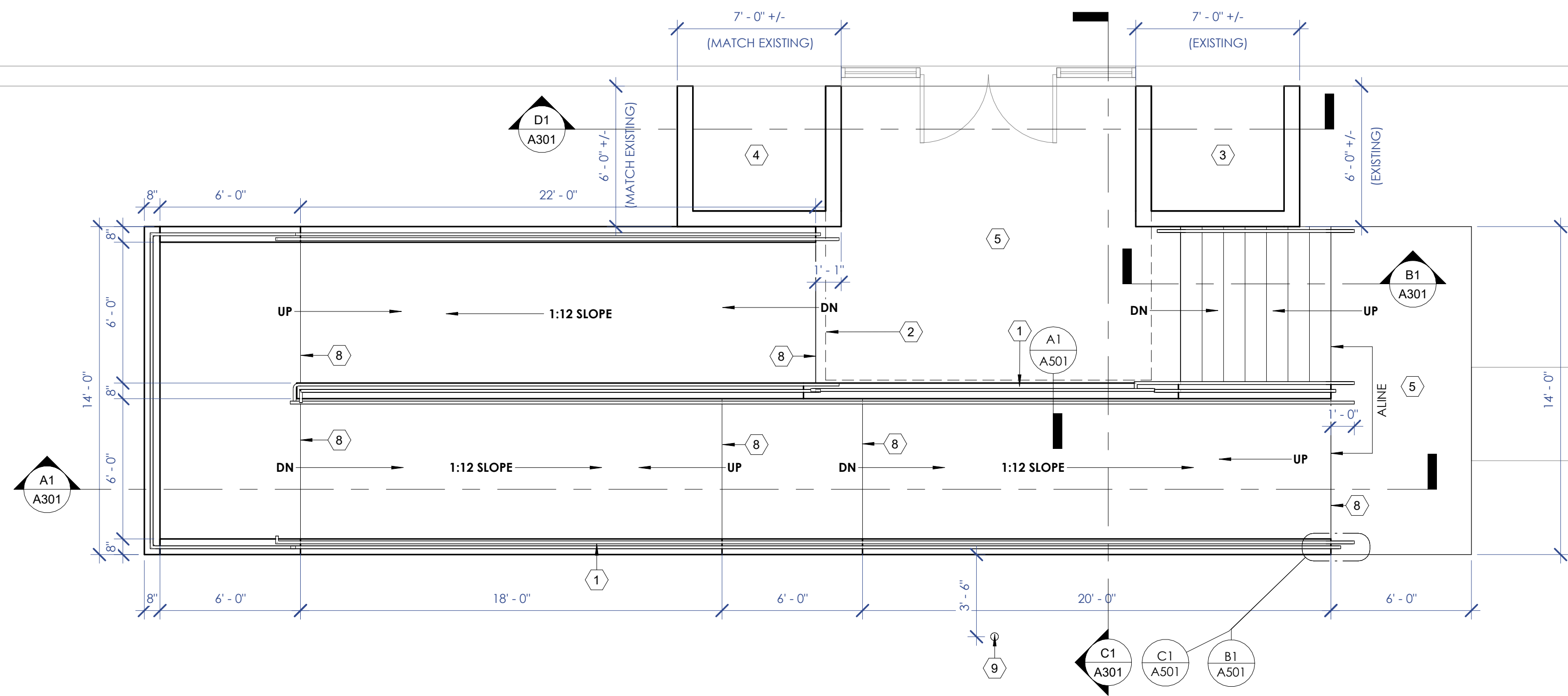


420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

UCA BINGHAM STAIR & RAMP

3000 HAUN DR. WEST JORDAN, UT 84088

D
C
B
A



A1 | PLAN VIEW

A101 REF: A1 A201 SCALE: 1/4" = 1'-0"

PLAN VIEW

A101

GENERAL NOTES - ELEVATIONS

- A SEE GENERAL NOTES ON SHEET G001 FOR ADDITIONAL REQUIREMENTS
- B COORDINATE WINDOW HEIGHTS WITH WINDOW SCHEDULE.
- C COORDINATE ALL BEARING ELEVATIONS WITH ROOF FRAMING PLAN. SEE STRUCTURAL DRAWINGS AND CALCULATIONS FOR ALL FRAMING REQUIREMENTS.
- D SEE STRUCTURAL DRAWINGS AND CALCULATIONS FOR ALL STRUCTURAL REQUIREMENTS, INCLUDING FOUNDATION WALL SPECIFICATIONS, AND SHEARWALL AND HOLDDOWN REQUIREMENTS.
- E PROVIDE RAIN GUTTERS AND DOWN SPOUTS AS REQUIRED.
- F OWNER TO APPROVE ALL FINISHES. INSTALL AS PER ELEVATIONS, AND AS PER MANUFACTURER SPECIFICATIONS.
- G SEE ROOF PLAN FOR ALL ROOF SLOPES.

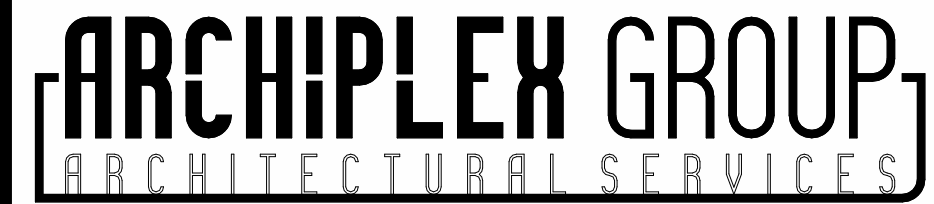
KEYNOTE LEGEND

- 1 EXISTING CANOPY ABOVE TO REMAIN
- 2 NEW 1-1/2" GALVANIZED PIPE RAILING SYSTEM. (REVL. PROFILE, ETC.)
- 3 NEW CONCRETE RAMP
- 4 NEW PLANTER BOX TO MATCH EXISTING PLANTER WALL- REFER TO DETAILS FOR MORE INFO
- 5 NEW STAIR
- 6 EXISTING BUILDING
- 7 PLANTER BOX TO REMAIN
- 8 FLAG POLE NEW APPROXIMATE LOCATION

PROJECT NUMBER
2414.01

ISSUE DATE
08/10/22

REVISION DATE DESCRIPTION



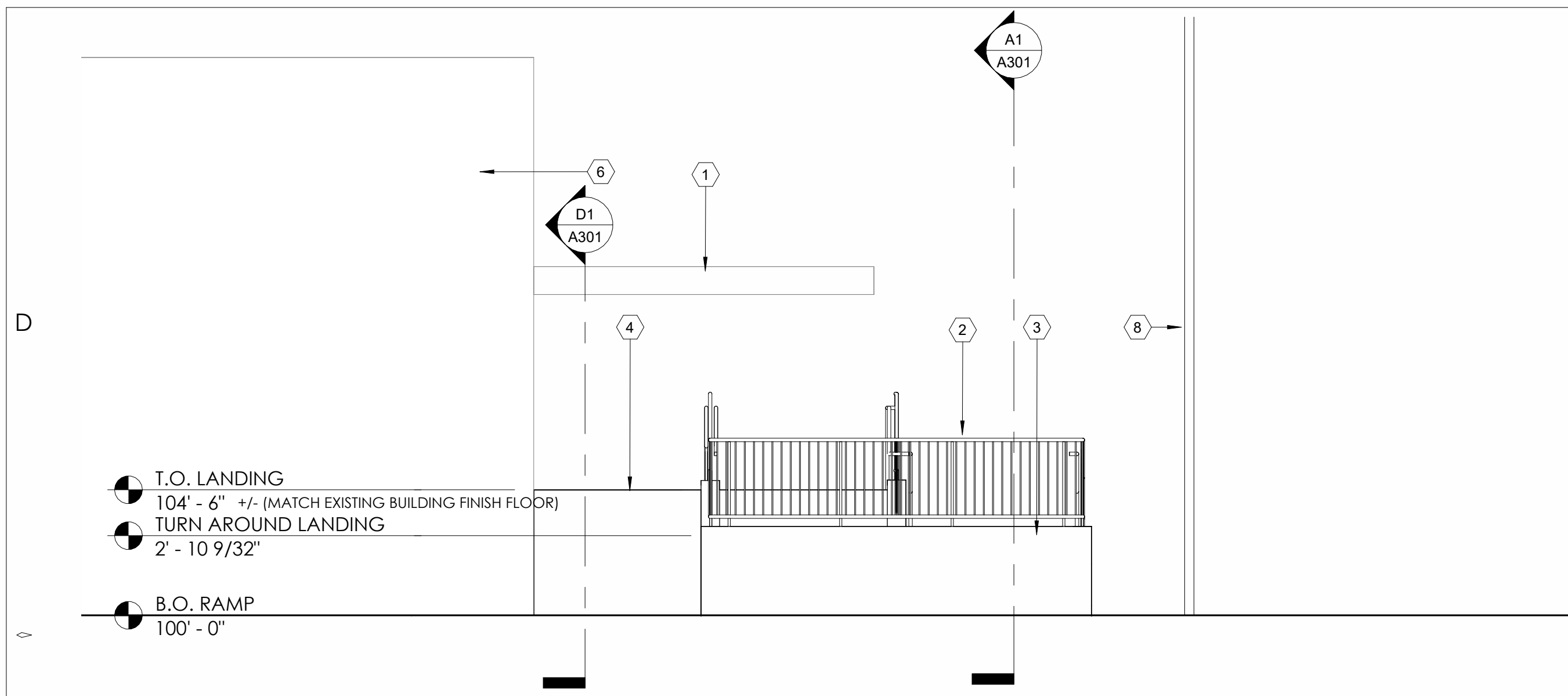
420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

UCA BINGHAM STAIR & RAMP

3000 HAUN DR. WEST JORDAN, UT 84088

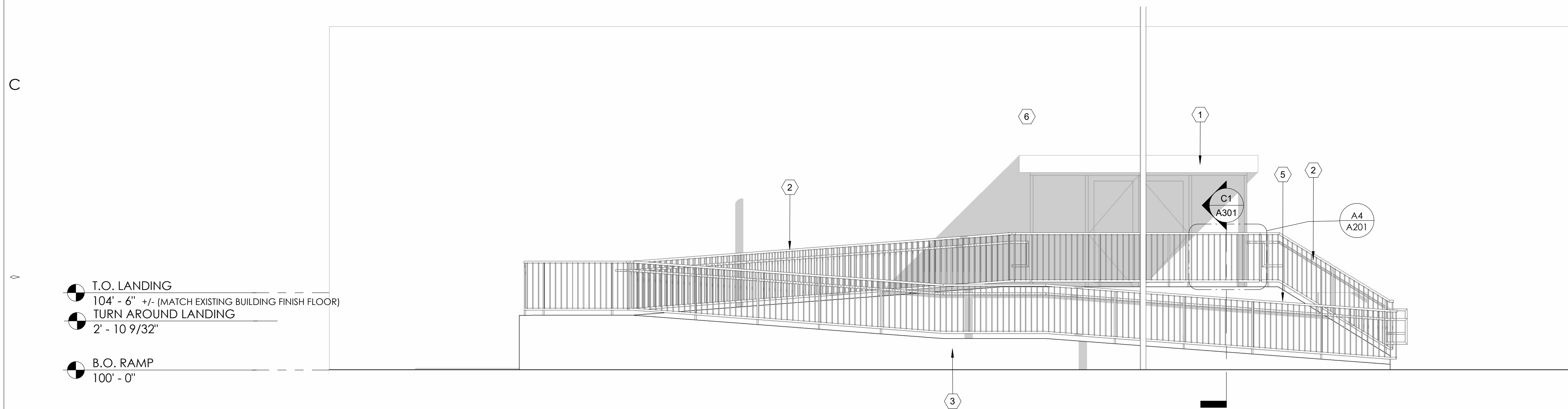
ELEVATIONS

A201



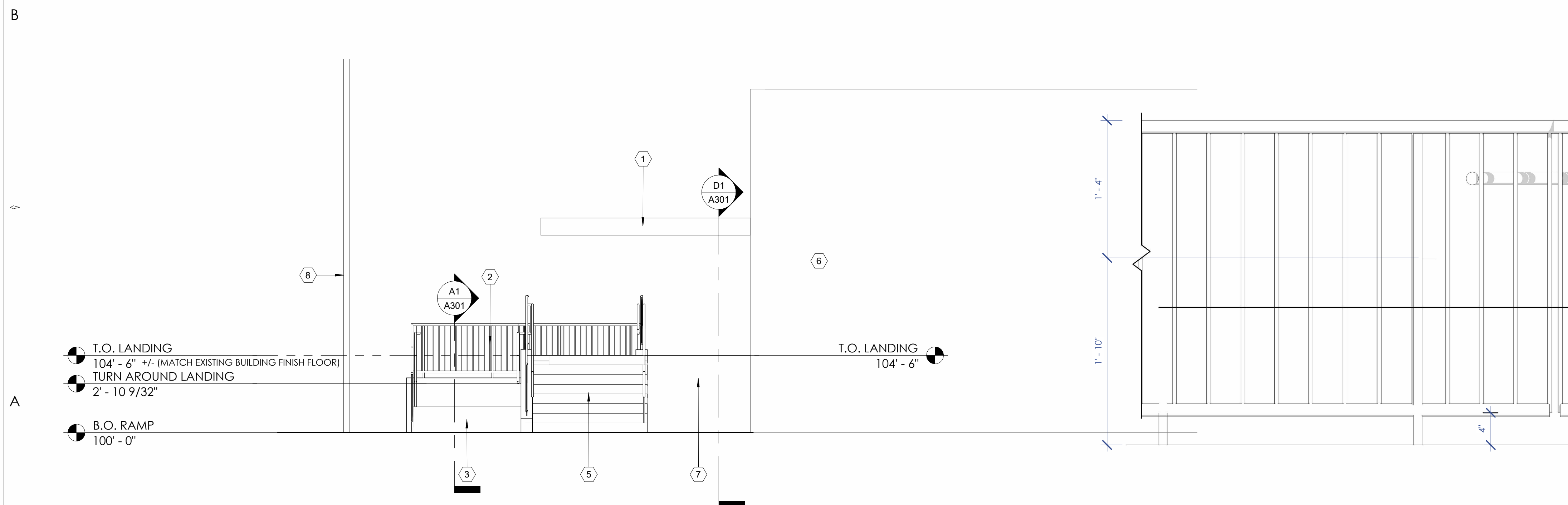
C1 WEST ELEVATION

A201 REF. SCALE: 1/4" = 1'-0"



B1 SOUTH ELEVATION

A201 REF. SCALE: 1/4" = 1'-0"



A1 EAST ELEVATION

A201 REF. SCALE: 1/4" = 1'-0"

A4 RAILING DETAIL

A201 REF. B1 A201 SCALE: 1 1/2" = 1'-0"

GENERAL NOTES - SECTIONS

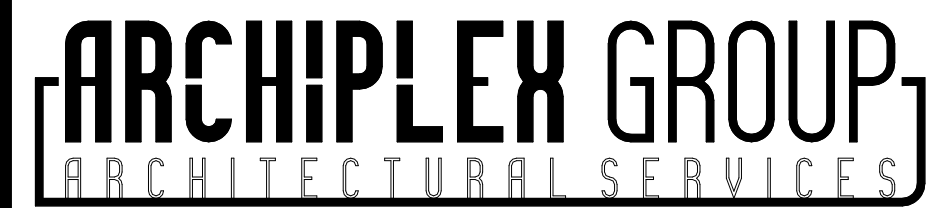
- A SEE GENERAL NOTES ON SHEET G001 FOR ADDITIONAL REQUIREMENTS
- B SEE STRUCTURAL DRAWINGS AND CALCULATIONS FOR ALL STRUCTURAL REQUIREMENTS, INCLUDING FOUNDATION WALL SPECIFICATIONS, AND SHEARWALL AND HOLDDOWN REQUIREMENTS.
- C REFER TO ELEVATION DRAWINGS FOR ALL EXTERIOR FINISHES.
- D ALL WINDOW AND DOORS TO BE AS INDICATED IN FLOOR PLANS ELEVATIONS AND WINDOW/DOOR SCHEDULES.

KEYNOTE LEGEND

PROJECT NUMBER
2414.01

ISSUE DATE
08/10/22

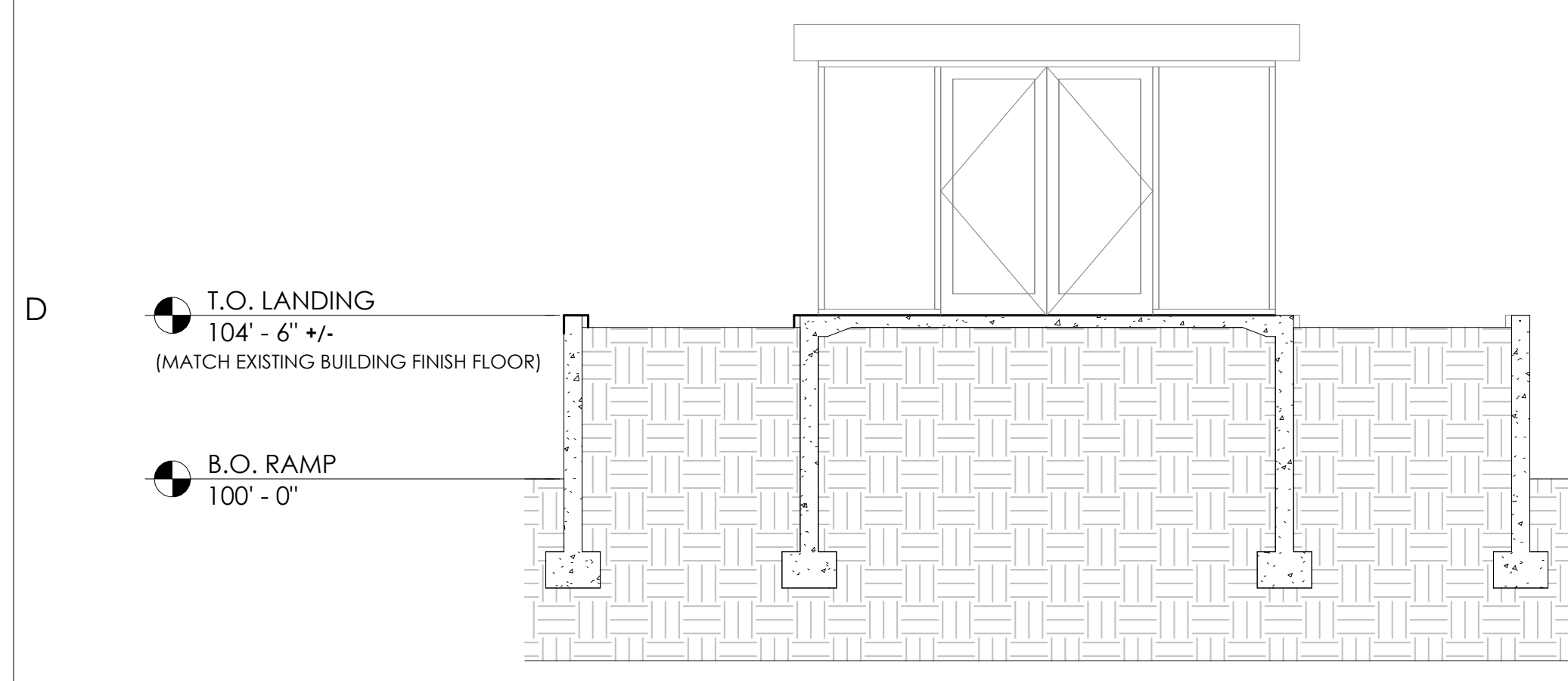
REVISION	DATE	DESCRIPTION



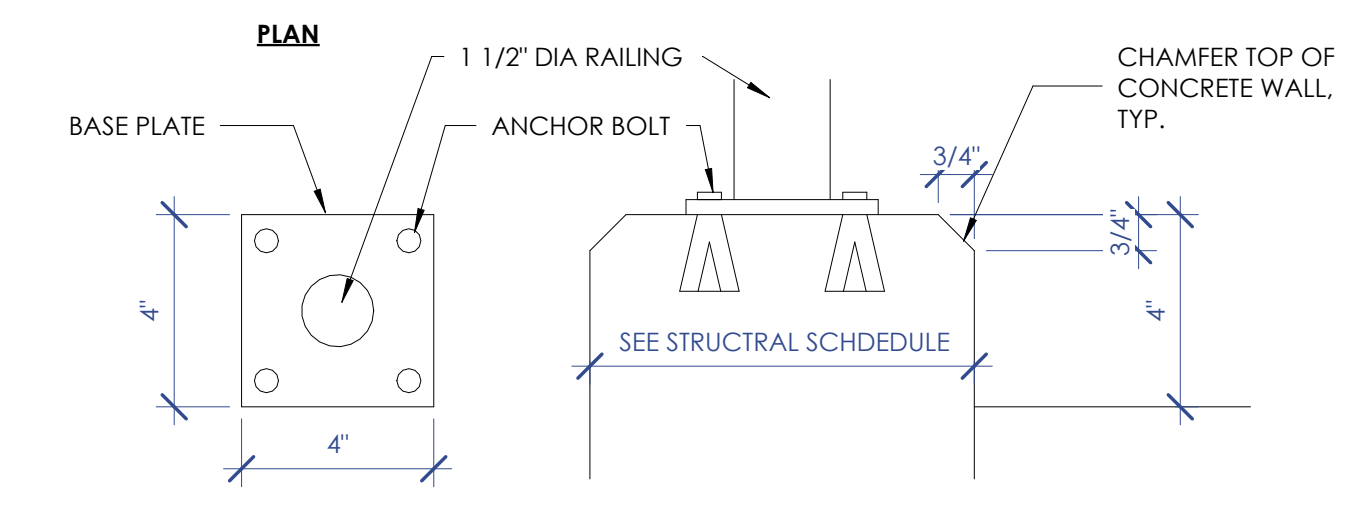
420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

UCA BINGHAM STAIR & RAMP

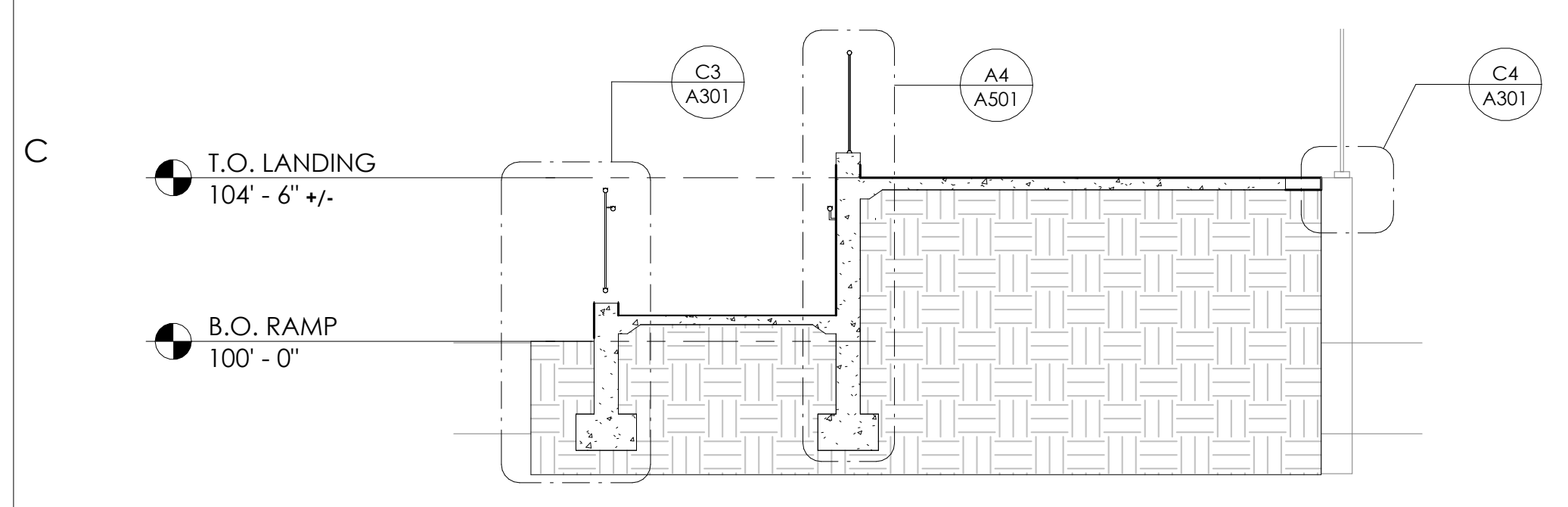
3000 HAUN DR. WEST JORDAN, UT 84088



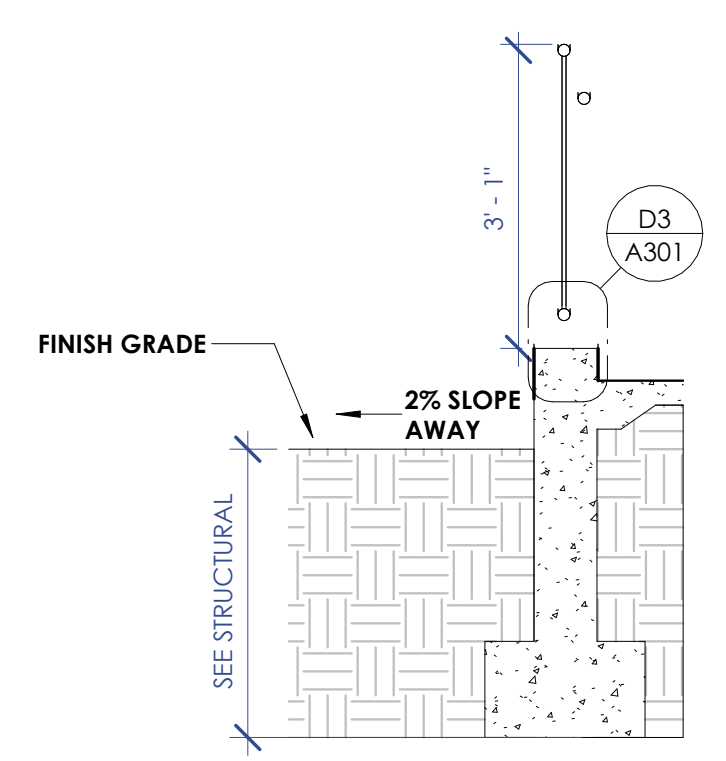
D1 | PLANTER/LANDING SECTION VIEW
A301 | REF. A1 A101 | SCALE: 1/4" = 1'-0"



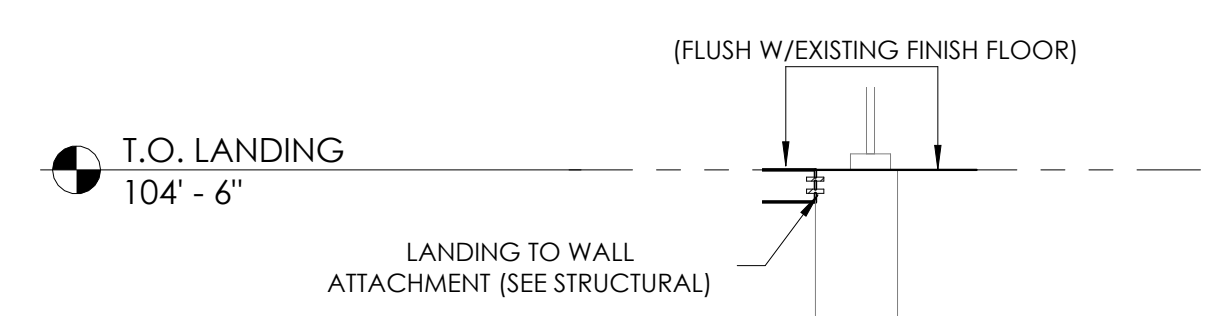
D3 | RAILING MOUNT DETAIL
A301 | REF. C3 A301 | SCALE: 3" = 1'-0"



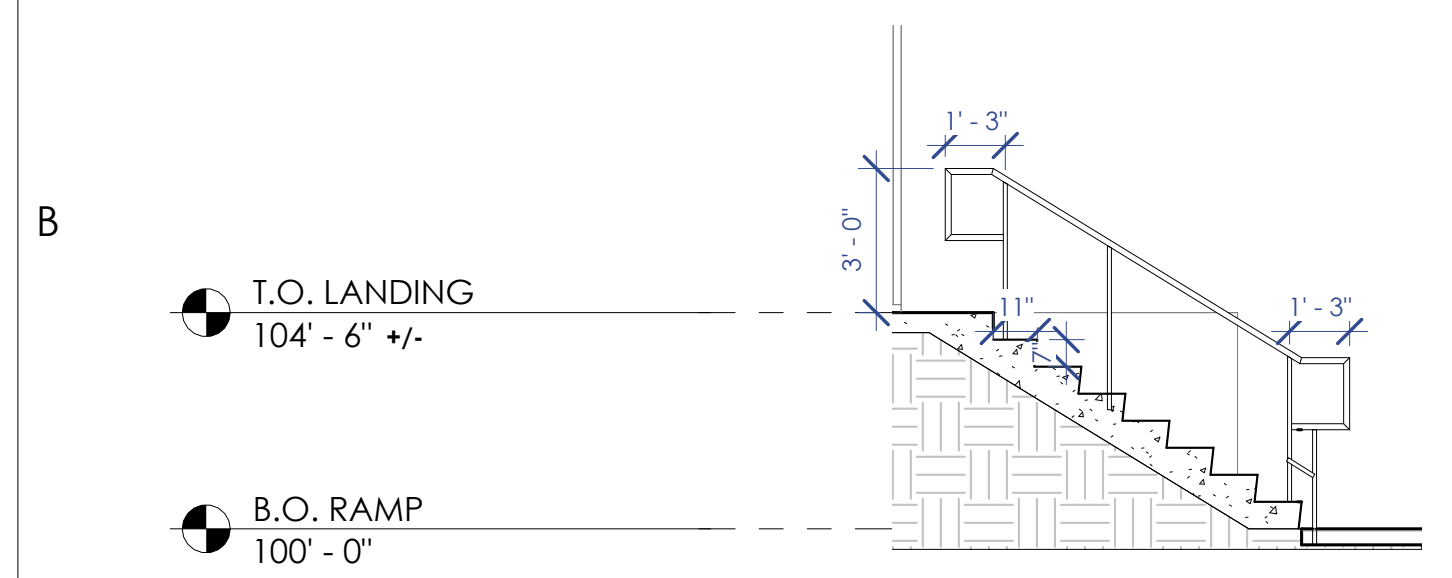
C1 | RAMP AND LANDING SECTION
A301 | REF. A1 A101 | SCALE: 1/4" = 1'-0"



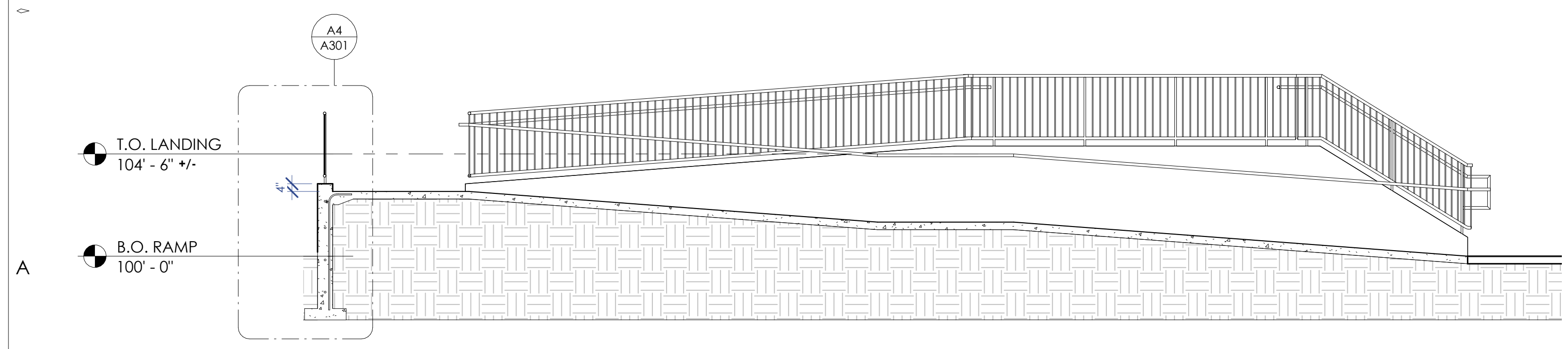
C3 | Section 2 - Callout 1
A301 | REF. C1 A301 | SCALE: 1/2" = 1'-0"



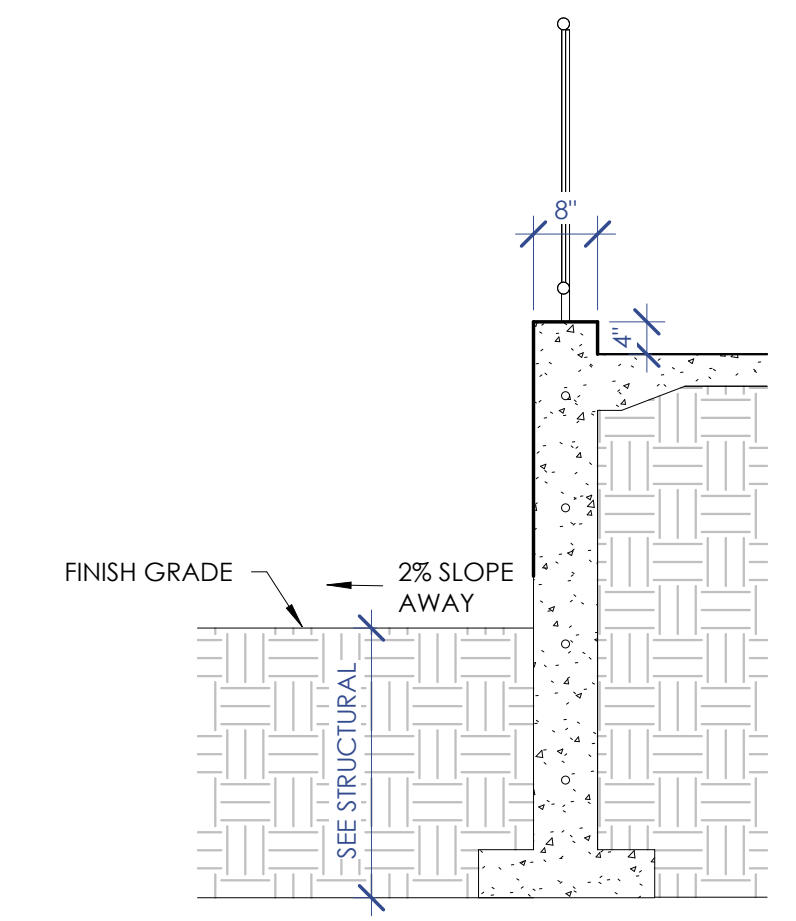
C4 | ENTRANCE LANDING DETAIL
A301 | REF. C1 A301 | SCALE: 1/2" = 1'-0"



B1 | STAIR SECTION
A301 | REF. A1 A101 | SCALE: 1/4" = 1'-0"



A1 | RAMP SECTION
A301 | REF. A1 A101 | SCALE: 1/4" = 1'-0"



A4 | RAMP & RAILING DETAIL, TYP
A301 | REF. A1 A301 | SCALE: 1/2" = 1'-0"

SECTIONS

A301

PROJECT NUMBER
2414.01

ISSUE DATE

08/10/22

REVISION	DATE	DESCRIPTION

ARCHIPLIX GROUP
ARCHITECTURAL SERVICES

420 WEST 1500 SOUTH SUITE 203
BOUNTIFUL, UT 84010
PHONE #: (385) 777-2972

UCA BINGHAM STAIR & RAMP

3000 HAUN DR. WEST JORDAN, UT 84088

EXTERIOR DETAILS

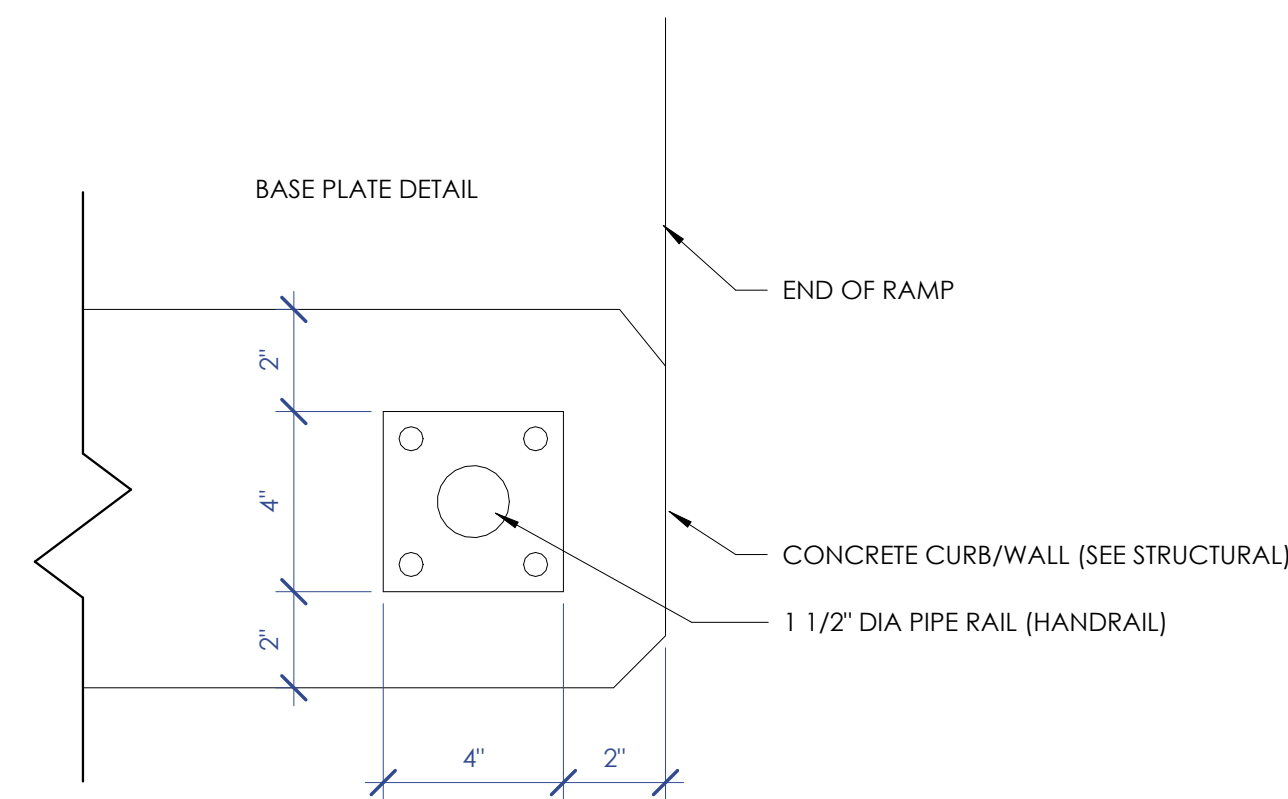
A501

D

C

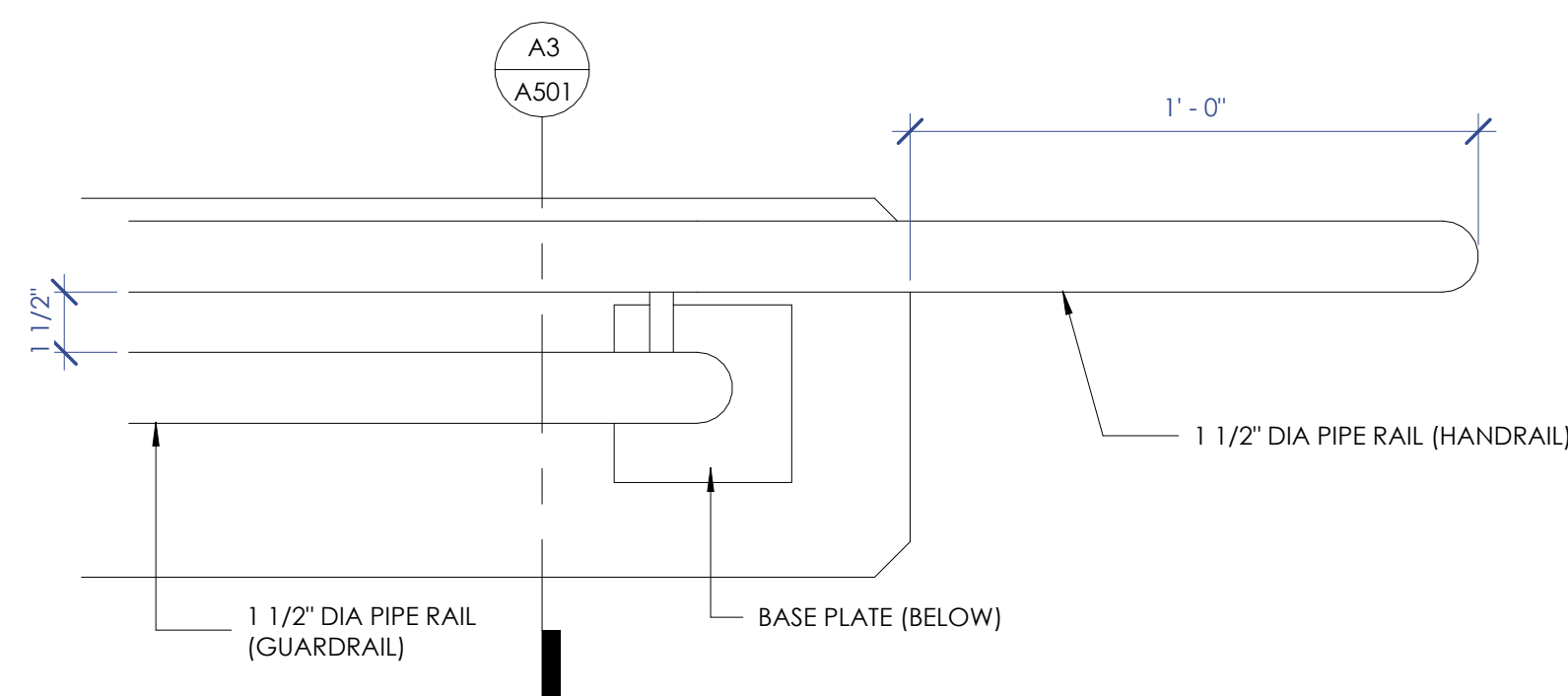
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A



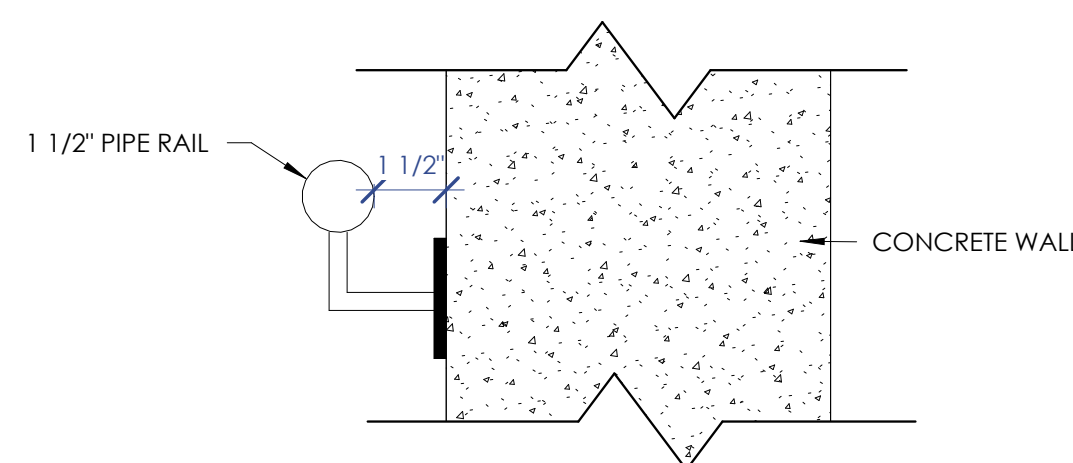
C1 | BASE PLATE DETAIL

A501 | REF. A1 A101 | SCALE: 3" = 1'-0"



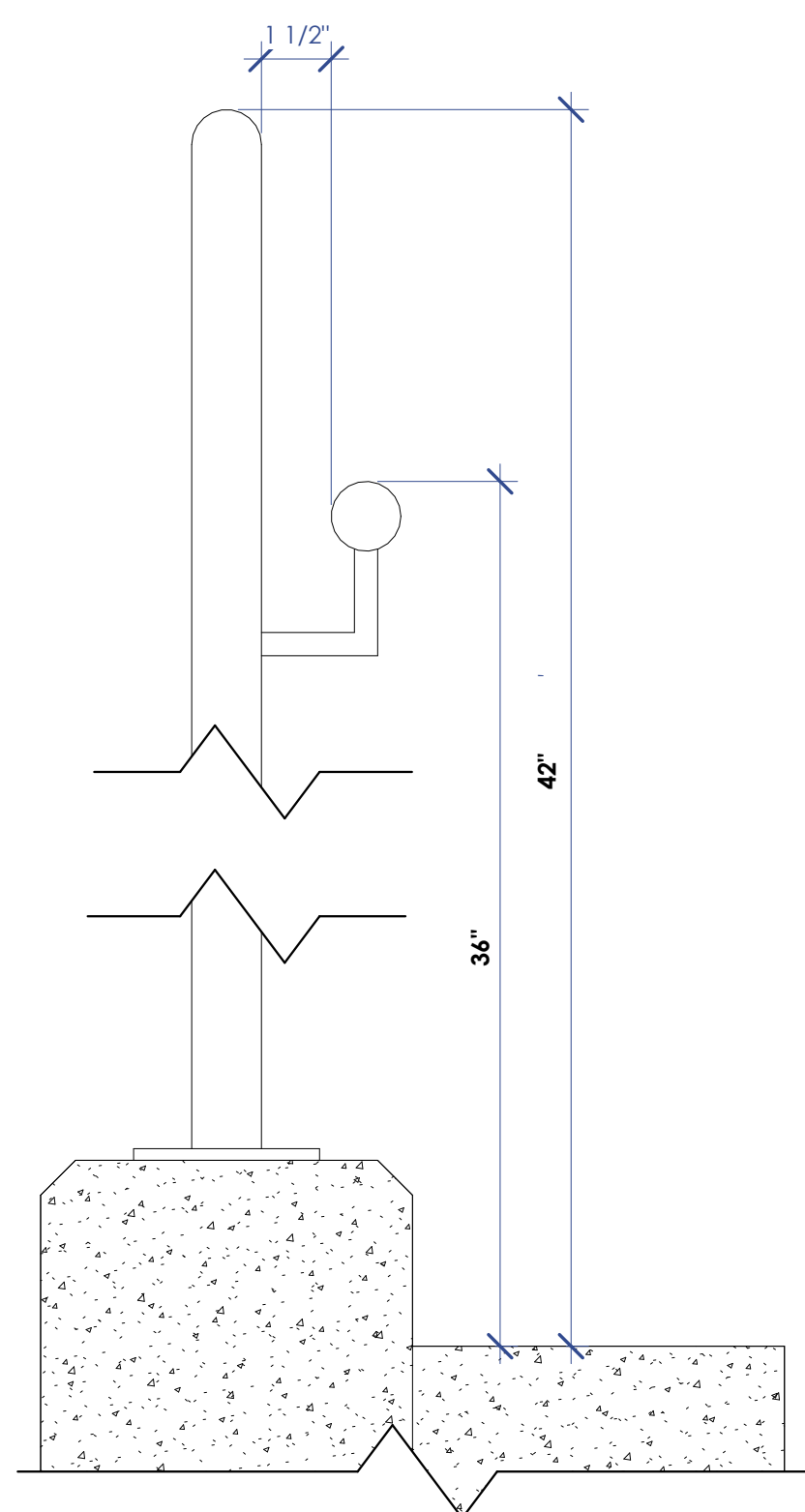
B1 | T.O. RAILING DETAIL

A501 | REF. A1 A101 | SCALE: 3" = 1'-0"



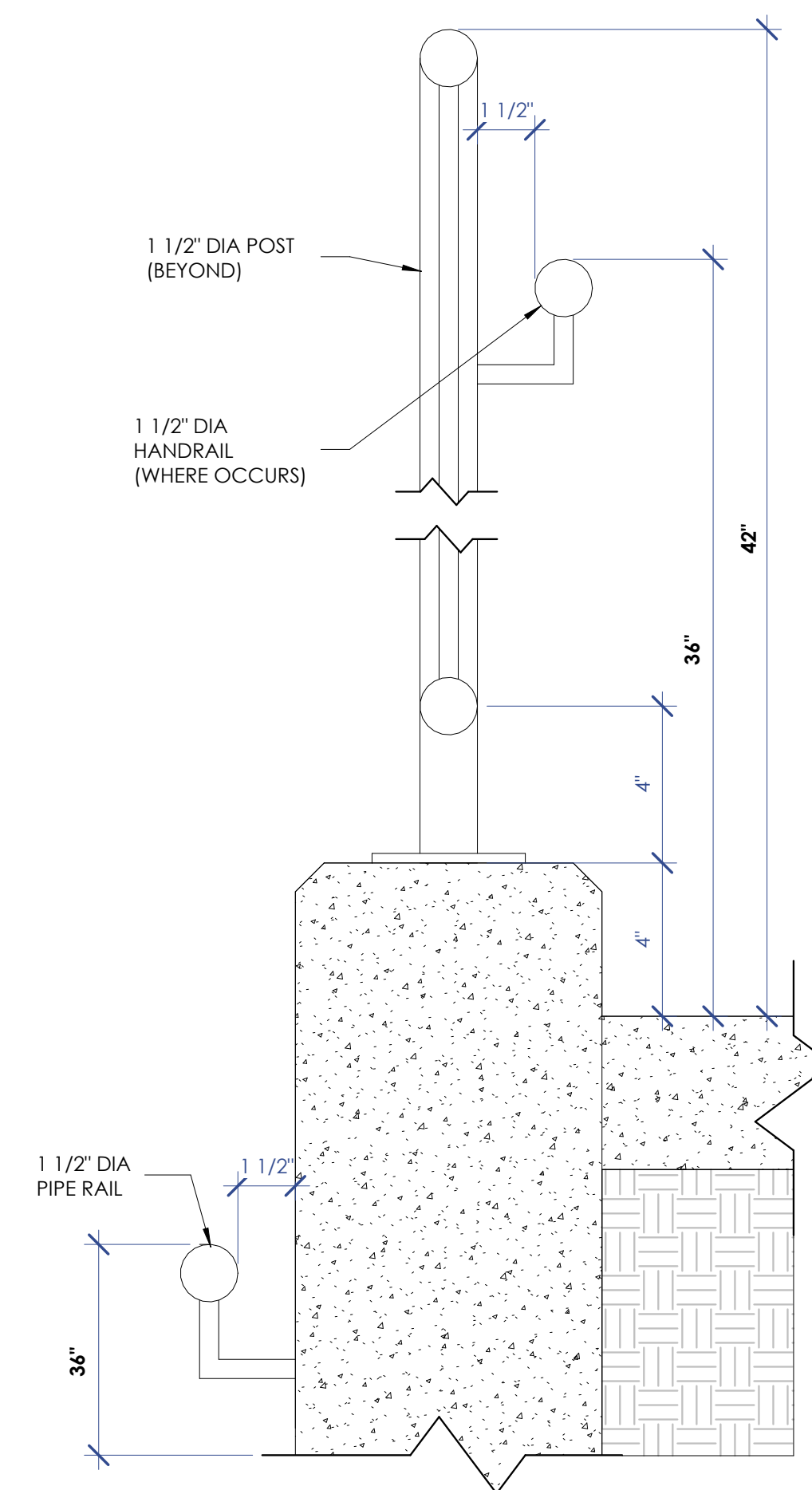
A1 | WALL RAILING DETAIL

A501 | REF. A1 A101 | SCALE: 3" = 1'-0"



A3 | RAILING SECTION

A501 | REF. B1 A501 | SCALE: 3" = 1'-0"



A4 | WALL RAILING AND GARDRAIL DETAIL

A501 | REF. C1 A301 | SCALE: 3" = 1'-0"

1

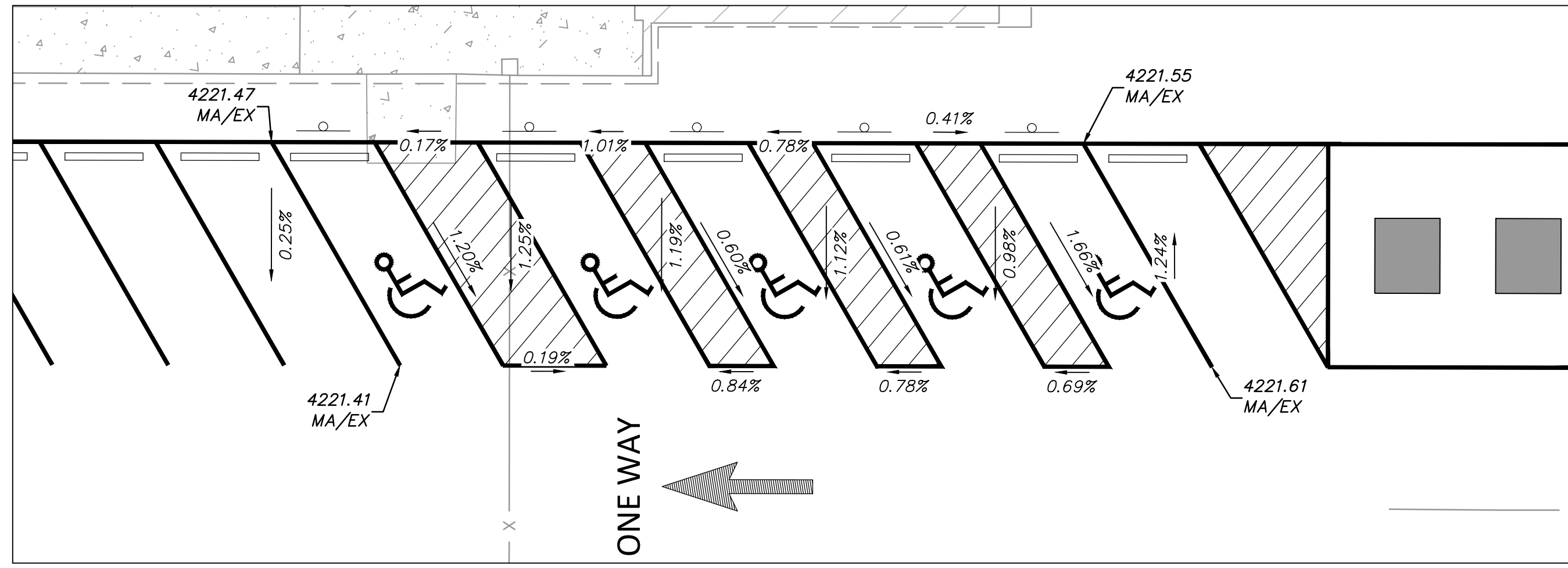
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3

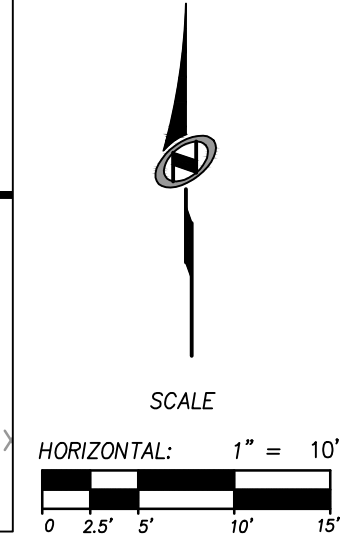
4

5

James R Russell Parking Lot Design



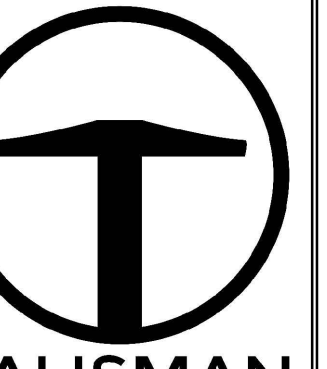
EXISTING SURFACE CONDITIONS



PARKING REQUIREMENT TABLE			
CLASSIFICATION	CODE REQUIREMENT	SIZE	REQUIRED SPACES
GENERAL OFFICE	3 SPACE PER 1,000 SF	11,300 SF	34
DAYCARE	2 SPACE PER 1,000 SF	24,893 SF	50
FLEET VEHICLES	-	-	10
TOTAL MINIMUM REQUIRED: 94			
TOTAL MAXIMUM REQUIRED: NO MAX FOR DAYCARE			
TOTAL PROVIDED (INCLUDING ADA): 120			
EXISTING SPACES: 94			

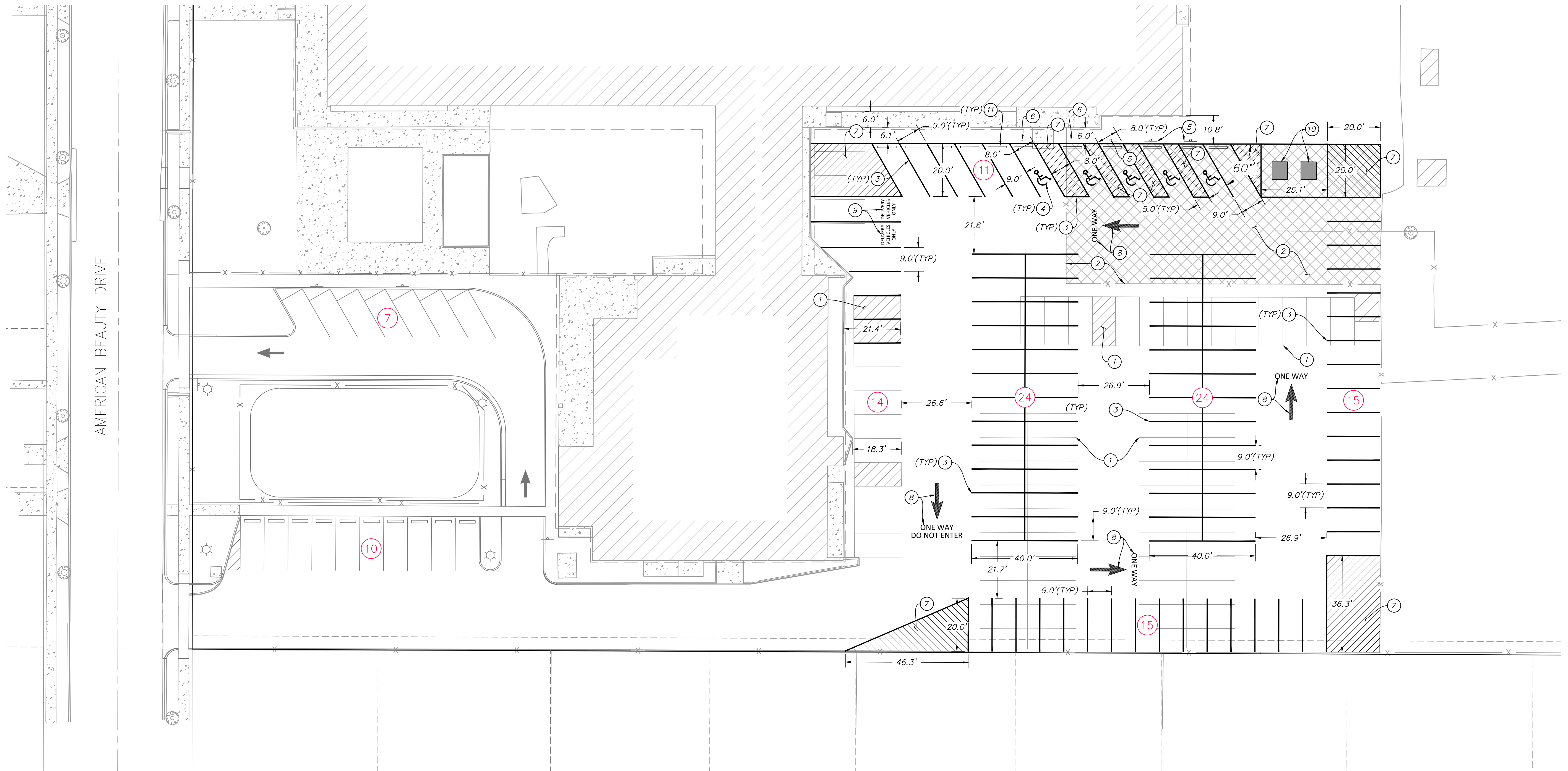
ADA PARKING REQUIREMENT TABLE		
OFF STREET PARKING SPACES PROVIDED	REQUIRED SPACES	PROVIDED SPACES
120	5	5

- CONSTRUCTION NOTES:**
 PROVIDE, INSTALL AND/OR CONSTRUCT THE FOLLOWING PER THE SPECIFICATIONS GIVEN OR REFERENCED, THE DETAILS NOTED, AND/OR AS SHOWN ON THE CONSTRUCTION DRAWINGS:
- REMOVE EXISTING STRIPING AS NEEDED FOR NEW STRIPING PLACEMENT. RE-STRIPING EXISTING STRIPING TO REMAIN AT THE DIRECTION OF THE OWNER.
 - PLAYGROUND EQUIPMENT, ARTIFICIAL TURF AND SURROUNDING FENCE TO BE RELOCATED. COORDINATE WITH OWNER.
 - 4" WHITE PARKING STRIPE PER M.U.T.C.D. STANDARDS AND SPECIFICATIONS.
 - ACCESSIBLE PARKING STALL MARKING PER M.U.T.C.D. STANDARDS AND SPECIFICATIONS.
 - ACCESSIBLE RESERVED PARKING SIGN (R7-B) PER M.U.T.C.D. STANDARDS AND SPECIFICATIONS.
 - ACCESSIBLE RESERVED PARKING SIGN (R7-B) W/VAN ACCESSIBLE SIGN (R7-Bb) PER M.U.T.C.D. STANDARDS AND SPECIFICATIONS.
 - LOADING ZONE/NO PARKING STRIPING PER M.U.T.C.D. STANDARDS AND SPECIFICATIONS.
 - ONE WAY ARROW AND TEXT STRIPING (WHITE PAINT) PER M.U.T.C.D. STANDARDS AND SPECIFICATIONS.
 - "DELIVERY VEHICLES ONLY" LETTERING (WHITE PAINT) PER M.U.T.C.D. STANDARDS AND SPECIFICATIONS.
 - NEW DUMPSTER STORAGE LOCATION. RELOCATE EXISTING DUMPSTERS. COORDINATE WITH OWNER.
 - WHEEL STOP (7' MINIMUM).



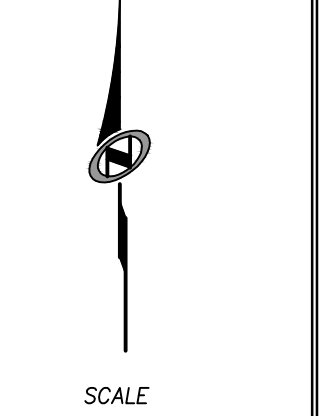
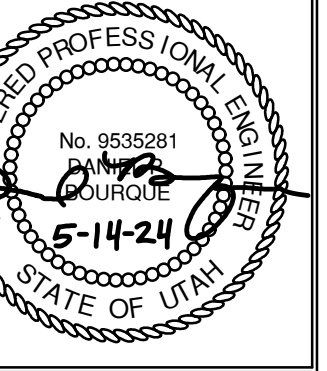
TALISMAN CIVIL CONSULTANTS
 1588 SOUTH MAIN STREET
 SUITE 200
 SALT LAKE CITY, UT 84115
 801.743.1500

NO.	DATE	BY	REVISIONS



UCA JRR PARKING LOT PHASE 2 - RE-STRIPING SITE PLAN

TCC JOB NUMBER: 20-027 DATE SUBMITTED: 05.14.2024



SHEET NUMBER
C210



DATE: 5/14/2024 3:52 PM
 PATH: N:\20-027 - UCA Rosepark Plot_R\Cadd\Up\PH2 - Striping\C210 - Striping_Plan.dwg

Attachment B

Davis Bacon Wage Decision Number: UT20240085

General Decision Number: UT20240085 07/19/2024

Superseded General Decision Number: UT20230085

State: Utah

Construction Type: Building

County: Salt Lake County in Utah.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658.

Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered	. Executive Order 14026
into on or after January 30,	generally applies to the
2022, or the contract is	contract.

renewed or extended (e.g., an	. The contractor must pay
option is exercised) on or	all covered workers at
after January 30, 2022:	least \$17.20 per hour (or
	the applicable wage rate
	listed on this wage
	determination, if it is
	higher) for all hours
	spent performing on the
	contract in 2024.

| _____ | _____ |

If the contract was awarded on	. Executive Order 13658
or between January 1, 2015 and	generally applies to the
January 29, 2022, and the	contract.

contract is not renewed or	. The contractor must pay all
extended on or after January	covered workers at least
30, 2022:	\$12.90 per hour (or the
	applicable wage rate listed
	on this wage determination,
	if it is higher) for all
	hours spent performing on
	that contract in 2024.

|_____ |_____ |

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number Publication Date

- 0 01/05/2024
- 1 01/19/2024
- 2 03/15/2024
- 3 04/19/2024
- 4 05/31/2024
- 5 07/19/2024

CARP0801-002 12/01/2022

Rates Fringes

CARPENTER (Drywall Hanging
and Metal Stud Installation
Only).....\$ 31.66 13.97

* ELEC0354-001 06/11/2024

Rates Fringes

ELECTRICIAN (Low Voltage
Wiring Only).....\$ 29.83 1.5%+15.20

ELECTRICIAN.....\$ 39.00 1.3%+16.55

ELEV0038-003 01/01/2024

Rates Fringes

ELEVATOR MECHANIC.....\$ 53.10 37.885+a+b

FOOTNOTE:

a: Vacation Pay: 8% with 5 or more years based on regular
hourly rate for all hours worked, 6% under 5 years based on
regular hourly rate for all hours worked. b: Paid
holidays: New Year's Day; Memorial Day; Independence Day;
Labor Day; Veteran's Day; Thanksgiving Day; Friday after
Thanksgiving and Christmas Day

PAIN0077-003 07/01/2022

	Rates	Fringes
DRYWALL FINISHER/TAPER.....	\$ 31.00	8.44

PAIN0077-004 08/01/2022

	Rates	Fringes
PAINTER (Brush, Roller, and Spray, excluding Drywall/Finisher and Taper).....	\$ 22.50	8.93

PLUM0140-001 08/01/2023

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 42.00	15.02

SFUT0669-003 01/01/2024

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 39.43	26.04

SHEE0312-002 07/01/2022

	Rates	Fringes
SHEET METAL WORKER (Including HVAC Duct Installation).....	\$ 39.26	11.67

* SUUT2012-017 07/29/2014

	Rates	Fringes
CARPENTER (Acoustical Ceiling Installation Only).....	\$ 21.25	2.15
CARPENTER (Form Work Only).....	\$ 16.93 **	1.93
CARPENTER, Excludes Acoustical Ceiling Installation, Drywall Hanging, Form Work, and Metal Stud Installation.....	\$ 20.66	7.47
CEMENT MASON/CONCRETE FINISHER...	\$ 15.00 **	0.00
IRONWORKER, STRUCTURAL.....	\$ 20.21	3.22
LABORER: Common or General.....	\$ 13.84 **	0.00
LABORER: Mason Tender - Brick...	\$ 16.38 **	1.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 14.94 **	0.00

LABORER: Pipelayer.....\$ 13.57 ** 0.00

LABORER: Landscape and

Irrigation.....\$ 9.50 ** 0.00

OPERATOR:

Backhoe/Excavator/Trackhoe.....\$ 14.48 ** 0.00

OPERATOR: Loader.....\$ 19.34 0.00

PLASTERER.....\$ 18.36 0.00

ROOFER.....\$ 13.22 ** 0.00

TILE FINISHER.....\$ 13.54 ** 0.00

TILE SETTER.....\$ 23.50 0.00

TRUCK DRIVER: Dump Truck.....\$ 15.50 ** 0.00

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

=====

** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.20) or 13658 (\$12.90). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including

preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the

cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example:

PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1,

2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion

date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

State Adopted Rate Identifiers

Classifications listed under the ""SA"" identifier indicate that the prevailing wage rate set by a state (or local) government was adopted under 29 C.F.R. § 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 01/03/2024 reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations

Wage and Hour Division

U.S. Department of Labor

200 Constitution Avenue, N.W.

Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator

U.S. Department of Labor

200 Constitution Avenue, N.W.

Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board

U.S. Department of Labor

200 Constitution Avenue, N.W.

Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"