



East Providence School District  
RFP# EPSD.RMS.2024.001  
Concrete Pad

## **1. RFP OVERVIEW**

### **1.1 Company Description**

The East Providence School District (EPSD) is a K-12 public school district supporting the City of East Providence, Rhode Island. The district maintains thirteen facilities including multiple K-5, middle and high school campuses.

### **1.2 Purpose of the RFP**

EPSD is seeking proposals from well qualified vendors for the installation of a concrete pad at Riverside Middle School.

### **1.3 General Conditions**

1.3.1 This RFP is not an offer to contract. Acceptance of a proposal neither commits our school district to award a contract to any Vendor, even if all requirements stated in this RFP are met, nor limits our right to negotiate in our best interest. We reserve the right to contract with a Vendor for reasons other than lowest price. We will thoroughly examine each proposal for best price, product quality, performance measures, flexibility and customer support.

1.3.2 Proposals are to be made in good faith, without fraud, collusion or connection of any kind with any other contractor for the same work. All bidders must complete in their own interest and in their own behalf. If you are subcontracting any portion of this agreement, you must identify the subcontractor in your proposal and agree that all subcontractors are bound to all terms and conditions of this RFP.

1.3.3 The Vendor will absorb all costs incurred in the preparation and presentation of the proposal.

1.3.4 All Vendors who submit proposals will be notified of the results of the selection process.

1.3.5 East Providence School District reserves the right to reject any or all proposals, in whole or in part, with or without cause, even if all the stated requirements are met. In addition, East Providence School District may enter into negotiations with one or more entities simultaneously and award a contract without notification. At the sole discretion of East Providence School District, bidder presentations may be requested before award of the contract. East Providence School District may also request the opportunity to conduct an



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on-site review of the Vendor's facility and/or other locations where these services are provided, or a demonstration of the proposed technology.

#### **1.4 Proposal Effective Period**

Vendors should state in writing that all furnished information, including prices, will remain valid for 90 days from the date their proposal is received by East Providence School District.

## **2. VENDOR INSTRUCTIONS**

Any changes in deadlines will be communicated to all Vendors via [E-Bids@epschoolsri.com](mailto:E-Bids@epschoolsri.com) email address. We reserve the right to disqualify any vendor that does not comply with these deadlines.

Vendors wanting to tour the area prior to submission, contact Dan Carpenter, Director of Facilities (401) 602-1993.

#### **2.1 RFP Schedule**

Activity	Date/Time
RFP Released	September 25, 2024
Deadline for questions	September 27, 2024 at 10:00am
Q&A Addenda Issued	September 27, 2024
Proposal Submission Deadline	October 3, 2024 at 10:00am
RFP awarded	October 8, 2024

#### **2.2 Vendor Questions and RFP Addenda**

2.2.1 Questions regarding the content of or schedule for the RFP must be submitted in writing by e-mail to [E-Bids@epschoolsri.com](mailto:E-Bids@epschoolsri.com) according to the RFP schedule provided in Section 2.1.

2.2.2 East Providence School District will issue answers to all Vendor questions, as noted in that schedule. In the event that modifications or additions to the RFP become necessary, vendors will be notified in writing and posted to [www.epschoolsri.com/purchasing](http://www.epschoolsri.com/purchasing).



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## **2.3 Proposal Format and Submission Requirements**

### **2.3.1 Proposals are to be organized in the following format:**

2.3.1.1 Section 1: Executive Summary. The one page maximum executive summary is to briefly describe the vendor's proposal. This summary should highlight the major features of the proposal. It must indicate any requirements that cannot be met by the Proposer. The reader should be able to determine the essence of the proposal by reading the executive summary.

2.3.1.2 Section 2: Vendor Information. Proposers must provide in-line responses to all requirements outlined in RFP Section 3.3 - Vendor Information.

2.3.1.3 Section 3: Response to RFP Requirements. Proposers must provide in-line responses to all requirements outlined in Section 3.

2.3.1.4 Section 4: Pricing. Proposers must attach a formal company quote to the last page. Additional vendor sales quotes, hardware details, or other pricing material may be included in this section. Pricing will include product and installation, as well as any other needed attachments. Shipping is to be included in the pricing.

2.3.1.5 Section 5: Additional Information. Proposers may include additional information regarding their products and services in this section.

### **2.3.2 Sealed Bid Requirements**

Two (2) printed copies of the proposal must be submitted in an envelope clearly marked: Request for Proposals, "Concrete Pad". Mail or deliver sealed bid proposals to the following address by the date and time identified in the schedule in Section 2.1. The EPSD Finance Department will receive all bids and include a timestamped form to record arrival date/time.

Craig Enos  
Director of Finance  
RFP# EPSD.RMS.2024.001  
1998 Pawtucket Avenue  
East Providence, RI 02914



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**2.3.3 Bid Evaluation**

2.3.3.1 The district contemplates award to the lowest price, technically acceptable vendor proposal. To determine whether proposals are technically acceptable:

2.3.3.1.1 The district will determine whether each proposal is complete

2.3.3.1.2 The solution specified in the proposal meets the technical needs of EPSD and offers the most value to the schools

2.3.3.1.3 Whether it is responsive to all requirements established in the RFP and addenda.

2.3.3.1.4 Whether the proposing vendor maintains and has submitted documentation of applicable certifications from Manufacturer(s) selected

2.3.3.1.5 Whether references related to past performance are favorable.

2.3.3.1.5.1 With regard to references, vendors are free to submit references they wish the East Providence School District to consider; however, the East Providence School District reserves the right to investigate references for any and all projects on which the vendor has worked in the last three (3) years. Proposals not deemed technically acceptable may be eliminated from consideration

2.3.3.2 The East Providence School District may choose to seek clarifications from vendors with regard to their proposals.

2.3.3.2.1 All responses will be provided in writing to the [E-Bids@epschoolsri.com](mailto:E-Bids@epschoolsri.com) address, and incomplete or unclear responses may result in a proposal being deemed technically unacceptable. However, the East Providence School District reserves the right to make a selection without requesting clarification. Additionally, the East Providence School District may not necessarily seek clarifications from all vendors submitting proposals.

2.3.3.3 Any contract awarded under this RFP is subject to funding, and approval by the East Providence School Committee. The East Providence School District reserves the right to make no awards under this RFP.



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### **3. REQUIREMENTS**

#### **3.1 Background**

The East Providence School District is looking to install a new concrete pad at Riverside Middle School for a new walk-in refrigerator/freezer.

#### **3.2 Scope of Services / Product**

- Furnish and install a new 25'6" x 25'6" concrete pad, 12" thick
- Excavate existing area
- Remove all unsuitable materials offsite
- Concrete to meet specifications on PSI per plan
- Appropriate rebar to be furnished and installed per plan
- Pad is to be smooth finished with appropriate expansion cuts
- Honches along the outside of the pad to be poured 24" deep per plan specification
- Outer edge of pad beyond the freezer box to be tapered for water runoff
- Rebar to be epoxied and staggered along the existing building foundation at altering heights
- Metal rebar grid to be laid into the pad at 4' and 8' depths, wire tied and secured
- Rebar to be appropriately installed in the honches according to plan
- Crushed stone or appropriate gravel is to be 12" thick and compacted correctly
- Pad is to be 4" lower than the interior floor of the kitchen due to an insulated floor being laid on top of the concrete for the freezer floor
- Ramp is to be furnished and installed in either concrete or asphalt to meet the specified height of the finished floor and doorway
- Appropriate permits, inspections and dig safe requirements are to be furnished by the Contractor
- Install fine grade loam and seed around the finished new pads as needed
- All site work required to be supplied by the Contractor
- Specifications are located at the end of the document

#### **3.3 Vendor Information**

##### **3.3.1 Company Background Information**



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- 3.3.1.1 Legal name of the company
- 3.3.1.2 Number of years in business
- 3.3.1.3 Headquarters location address, phone number, website
- 3.3.1.4 Company type
- 3.3.1.5 Number of employees
- 3.3.1.6 Tax ID number

**3.3.2 Company Experience and References**

3.3.2.1 Please describe the product/market differentiators that distinguish you in the industry and make you capable of competing for this project.

3.3.2.2 Vendors are free to submit references they wish the East Providence School District to consider. However, the East Providence School District reserves the right to investigate references for any and all projects on which the vendor has worked in the last three (3) years.

**3.3.3 Vendor/Subcontractor Information**

3.3.3.1 The vendor and subcontractors of the vendor will maintain at their own expense during the term of this contract, the following insurances:

3.3.3.1.1 Workers' Compensation Insurance with Rhode Island statutory limits and Employers Liability Insurance with a minimum limit of \$100,000 each accident for any employee.

3.3.3.1.2 Comprehensive/Commercial General Liability Insurance with a combined single limit of \$1,000,000 each occurrence for bodily injury and property damage.

3.3.3.1.3 Automobile Liability Insurance covering all owned, hired and non-owned vehicles with a minimum combined single limit of \$1,000,000 each accident for bodily injury and property damage.

3.3.3.1.4 Insurance companies, named insurers and policy forms shall be subject to the approval of the East Providence School District. Insurance



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policies shall not contain endorsements or policy conditions which reduce coverage provided to the East Providence School District. Vendor and any subcontractors shall furnish East Providence School District Project Coordinator with certification of insurance evidencing such coverage and endorsements at least ten (10) working days prior to commencement of services under this contract.

**3.3.4 Minority/Women Business Enterprise**

In accordance with RI Gen. Law § 37-14.1-1, it is the policy of the State of Rhode Island to support the fullest possible participation of firms owned and controlled by minorities (MBEs) and women (WBEs). Pursuant to §§ 37-14.1-2 and 37-14.1-6, MBEs and WBEs shall be included in all state purchasing, including, but not limited to, the procurement of goods, services, construction projects, or contracts funded in whole or in part with state funds, or funds which, in accordance with a federal grant or otherwise, the state expends or administers. MBEs and WBEs shall be awarded a minimum of ten percent (10%) of the dollar value of the entire procurement or project. MBE participation credit shall only be granted for firms duly certified as MBEs or WBEs by the State of Rhode Island, Department of Administration, Office of Diversity, Equity and Opportunity, MBE Compliance Office (MBECO). The current directory of firms certified as MBEs or WBEs may be accessed at <http://odeo.ri.gov/offices/mbeco/mbe-wbe.php> or by contacting MBECO at (401) 574-8670

**4. EVALUATION PROCESS**

The district contemplates award to the lowest priced, technically acceptable vendor proposal. To determine whether proposals are technically acceptable, the district will determine whether each proposal is complete; whether it is responsive to all requirements established herein; whether the proposing vendor maintains and has submitted documentation of applicable certifications from Manufacturer(s) selected; and whether references related to past performance are favorable. With regard to references, vendors are free to submit references they wish the East Providence School District to consider. However, the East Providence School District reserves the right to investigate references for any and all projects on which the vendor has worked in the last three (3) years. Proposals not deemed technically acceptable may be eliminated from consideration



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The East Providence School District may choose to seek clarifications from vendors with regard to their proposals. All responses will be provided in writing, and incomplete or unclear responses may result in a proposal being deemed technically unacceptable. However, the East Providence School District reserves the right to make a selection without requesting clarification. Additionally, the East Providence School District may not necessarily seek clarifications from all vendors submitting proposals.

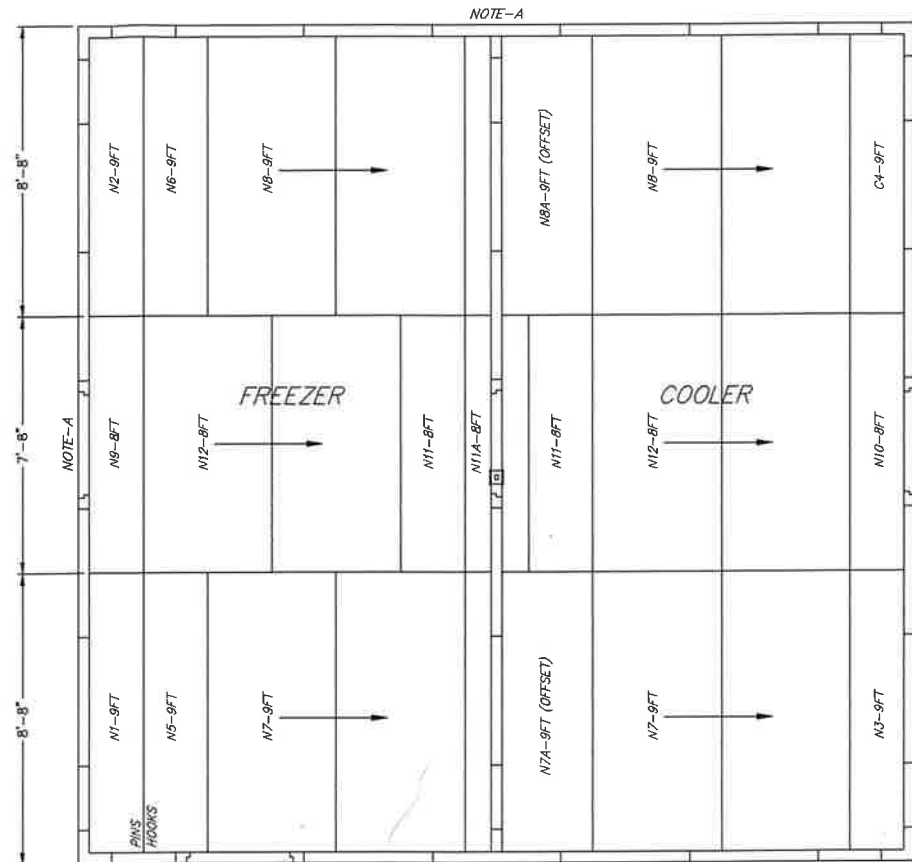
Any contract awarded under this RFP is subject to funding, and approval by the East Providence School Committee. The East Providence School District reserves the right to make no awards under this RFP.

Each vendor proposal will be reviewed and scored using the following criteria and maximum point values per topic:

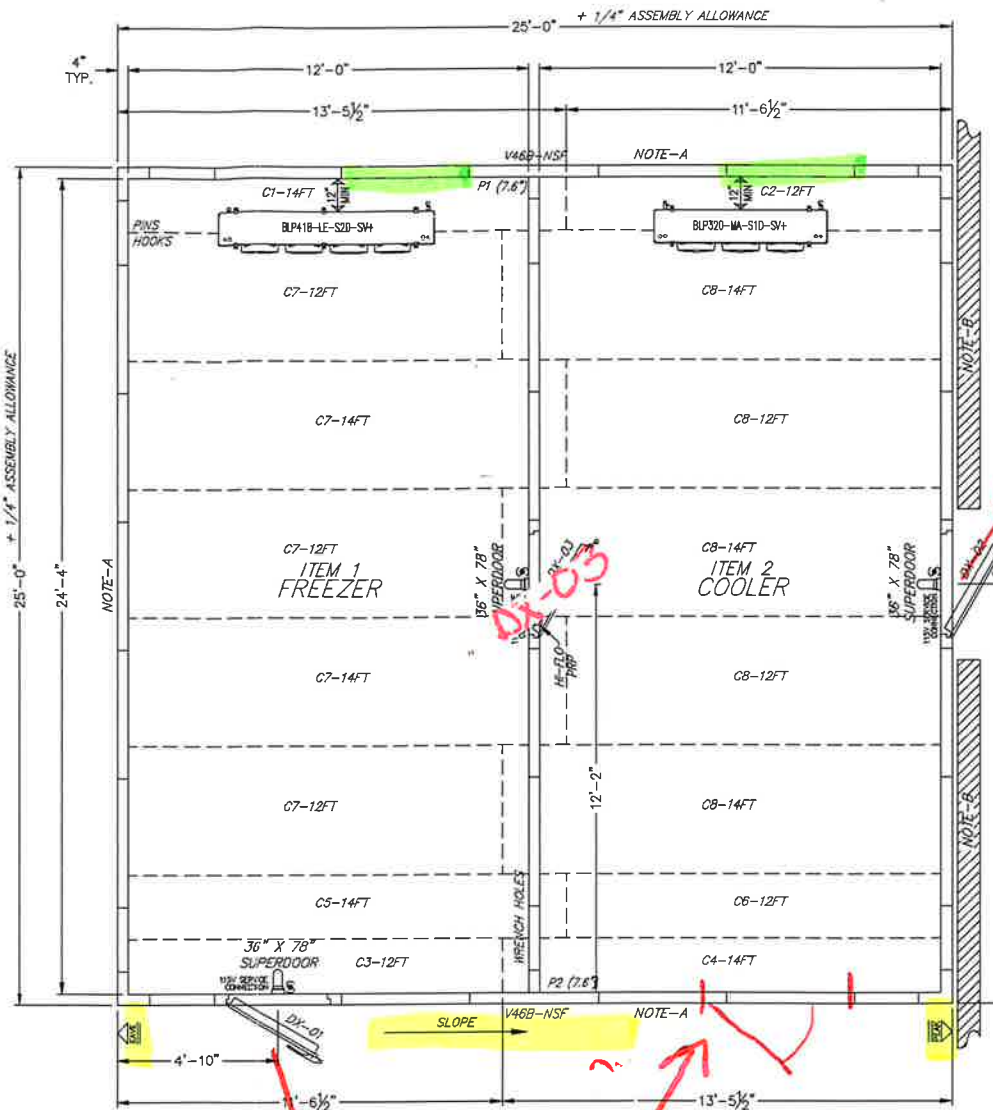
Criteria	Available points	Points awarded
Meets technical requirements	25	
Pricing	35	
Past project experiences	25	
M/WBE Certified Firm	10	
References	5	

***Attach vendor quote(s) to last page***





- FLOOR PANEL LAYOUT -



- PLAN VIEW A

SCALE: 3/8" = 1' - 0"

(keep tree by freezer)  
move door to cooler centered

## SPECIFICATIONS

25'-0" X 25'-0" X 8'-6" W/ REINFORCED CEILING

### INSTALLATION

- OUTDOOR
- OUTDOOR MEMBRANE ROOF FURNISHED BY BALLY. SEE DURO-LAST INSTALLATION INSTRUCTIONS.
- AS AN ADDED PRECAUTION AGAINST WATER LEAKS, BALLY RECOMMENDS THAT ALL EXTERIOR PANEL JOINTS BE CAULKED DURING ASSEMBLY.
- LOADING HEIGHT - AT LEAST 18" OF OPEN SPACE MUST BE MAINTAINED BETWEEN TOP OF PRODUCT AND CEILING PANELS

### INSULATION

- POURED IN-PLACE POLYURETHANE FOAM
- BALLY PANELS AND DOORS ARE CERTIFIED COMPLIANT WITH CURRENT FEDERAL DOE REGULATIONS FOR WALK-IN COOLERS & FREEZERS
- BALLY PANELS AND DOORS EXCEED MINIMUM R-VALUES\* FOR COOLERS (MINIMUM R-25, EXCLUDING FLOORS), AND FREEZERS (MIN. R-32, EXCEPT FLOORS, WHICH ARE MIN. R-28)
- \*WHEN TESTED PER ASTM C518 TO FEDERAL REG. 431.304

### EXTERIOR FINISH

- EMBOSSED GALVANIZED CEILING
- EMBOSSED WHITE GALVANIZED REMAINDER

### INTERIOR FINISH

- EMBOSSED WHITE GALVANIZED

### FLOOR FINISH

- (INTERIOR) 1/8" ALUMINUM DT W/ 3/4" PLYWOOD UNDERLAY
- (EXTERIOR) EMBOSSED WHITE GALVANIZED

### DOORS/ACCESSORIES

- (3) 36" X 78" LEFT SWING HINGED WALK-IN DOOR
- TAMPERPROOF HARDWARE (DX-01, DX-02)
- LOCKING BAR (DX-01)
- SUPERDOOR: 3RD HINGE, DT INT & EXT 30" H
- HI-FLO PRP
- MOISTUREPROOF SWITCHPLATE (DX-01)
- RAIN CANOPY (DX-01)

### REFRIGERATION - BY BALLY (CONDENSING UNIT MOUNTED OUTDOORS)

QTY	HP	REF. TYPE	MODEL NUMBER	POWER SUPPLY	COMPRESSOR	REL. LRA	FAN MTR	TOTAL KWTS	AMPS	WVA	MAX. CAPT
1	5.5	INAH	202005-18-1000W	208-230/1/60	18.9	123	2	3.4	18.9	27	45 F
1	5.5	INAH	202005-18-1000W	208-230/1/60	18.9	123	2	3.4	18.9	27	45 F
1	5.5	INAH	202005-18-1000W	208-230/1/60	18.9	123	2	3.4	18.9	27	45 F
1	5.5	INAH	202005-18-1000W	208-230/1/60	18.9	123	2	3.4	18.9	27	45 F

- ALL CONDENSATION DRAIN LINES MUST BE SLOPED AT LEAST 1:12
- FREEZER CONDENSATION DRAIN LINES MUST BE HEATED, INSULATED AND TRAPPED INDIVIDUALLY, BY OTHERS
- ALL SPECIFICATIONS LISTED ABOVE ARE FOR INDIVIDUAL UNITS ONLY

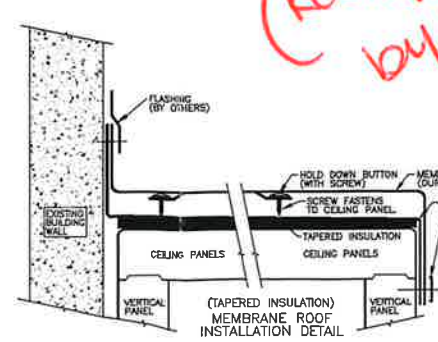
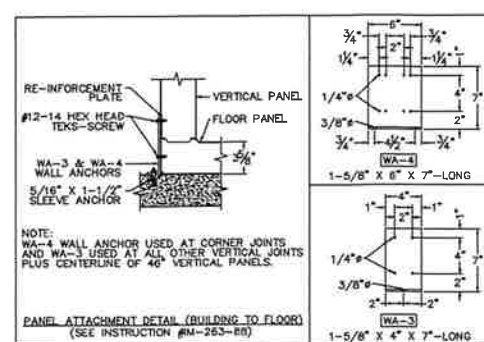
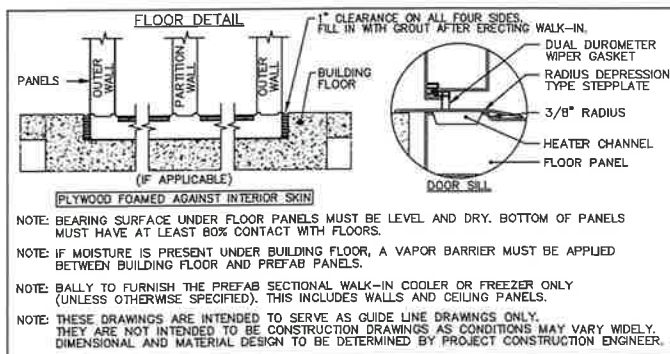
- (2) BQ WALL MOUNT BRACKETS
- WALL REINFORCEMENT FOR BQ BRACKETS

### NOTE

SMARTVAP+ REFRIGERATION REQUIRES TWO SEPARATE POWER SOURCES; ONE TO THE CONDENSING UNIT AND ONE TO THE SMARTVAP+ EVAPORATOR.

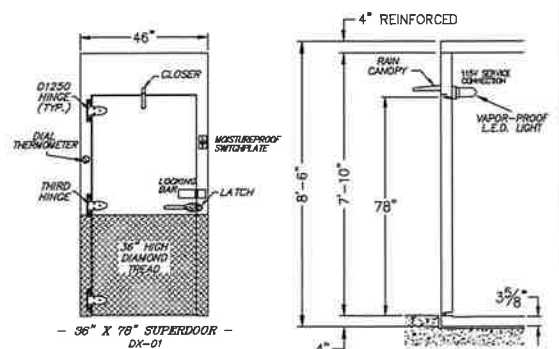
### DESIGN LOADS

- LIVE LOAD = 57 PSF
- DEAD LOAD = 6 PSF
- WIND SPEED = 135 MPH
- CODE = UBC



### GENERAL NOTES

- NOTE A: BALLY TO FURNISH WA-3 AND WA-4 WALL ANCHORS AND R.E.B. (REINFORCED, EXTERIOR, BOTTOM) FOR VERTICAL PANEL BASE ATTACHMENT ALONG (3) WALLS AS SHOWN.
- NOTE B: MEMBRANE ROOF FLANGED UP ALONG THIS EDGE, FLASHING TO BUILDING WALL BY OTHERS.
- NOTE: BALLY TO FURNISH TAPERED INSULATION, SLOPE: 1/8" PER FOOT. BALLY TO FURNISH (4000330) 4 MIL VAPOR BARRIER (10FT WIDE) FOR INSTALLATION BETWEEN MEMBRANE ROOF AND TAPERED INSULATION.
- NOTE: BALLY TO FURNISH EW CLOSURE TRIM. PLEASE ADVISE SIZE AND QUANTITY. FASTENERS AND INSTALLATION BY OTHERS.



- SECTION VIEW - THRU ENTRANCE DOOR

SCALE: 1/2" = 1' - 0" SHEET 1 OF 1

RESTRICTED, CONFIDENTIAL DOCUMENT.

THIS DRAWING AND ALL INFORMATION SHOWN HEREON ARE THE EXCLUSIVE PROPERTY OF BALLY REFRIGERATED BOXES INC. AND ARE SUBMITTED ONLY ON A CONFIDENTIAL BASIS. THE RECIPIENT AGREES NOT TO REPRODUCE THE DRAWING, TO RETURN IT UPON REQUEST, AND THAT NO DISCLOSURE OF THE DRAWING OR THE INFORMATION SHOWN HEREON WILL BE MADE TO A THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT FROM BALLY REFRIGERATED BOXES INC.

SIGNED APPROVAL	
SIGNED	DATE
PLEASE READ	
THIS DRAWING HAS BEEN CAREFULLY CHECKED BY OUR DRAFTING DEPARTMENT. HOWEVER, ERRORS OF INTERPRETATION MAY OCCUR. THEREFORE, BEFORE YOU RETURN DRAWINGS MARKED APPROVED, BE CERTAIN THAT YOU CHECK THEM CAREFULLY.	
NOTE - THIS ORDER WILL NOT BE SCHEDULED FOR PRODUCTION UNTIL RECEIPT OF APPROVED DRAWINGS BY BALLY.	

IMPORTANT - PLEASE READ			
THESE DRAWINGS ARE NOT TO BE CONSIDERED AS APPROVED BY LOCAL OR STATE BUILDING AUTHORITIES. THEY HAVE BEEN PREPARED SOLELY FOR THE GUIDANCE OF REGISTERED ARCHITECTS AND ENGINEERS AND FOR THE ASSISTANCE OF LOCAL INSTALLERS. IT IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER TO ASSURE THE BUILDING DESIGN MEETS ALL LOCAL CODE REQUIREMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE CORRELATION OF THE BUILDING DESIGN WITH THE BALLY REFRIGERATED BOXES INC. IN PREPARING THESE DRAWINGS AND SPECIFICATIONS, DOES NOT ASSUME ANY RESPONSIBILITY FOR THE SUCCESSFUL COMPLETION OR USAGE OF THE STRUCTURE DESCRIBED.			
THE DRAWINGS AND SPECIFICATIONS DESCRIBE A BUILDING ASSEMBLED FROM BALLY PANELS INSULATED WITH URETHANE FOAM. BALLY REFRIGERATED BOXES INC. PROVIDES PANELS PRESUMEDLY SPECIFIED BY OTHERS, AND IS NOT RESPONSIBLE FOR THE SELECTION OR RECOMMENDATION BY OTHERS OF THE PANEL FINISH FOR ANY BUILDING OR WALK-IN APPLICATION.			
1	REVISED DOOR SWINGS, DRAWING NUMBER	RCB	04/17/24
REV	DESCRIPTION	BY	DATE

Bally REFRIGERATED BOXES INC.		BALLY INC. OFFICE: 135 LITTLE LANE, SUITE 100, RIVERSIDE, CA 92507		BALLY INC. OFFICE: 135 LITTLE LANE, SUITE 100, RIVERSIDE, CA 92507	
FOR RIVERSIDE MIDDLE SCHOOL		RIVERSIDE, RI		DATE 03/04/24	
DRAWING 2402013AD (23845AD)		DRAWN BY RCB		ORDER NUMBER 2402013	
DATE 04/17/24		BY RCB		DATE 03/04/24	



## A. GENERAL STRUCTURAL REQUIREMENTS:

- ALL METHODS OF CONSTRUCTION, DETAILS, NOTES, ETC., INDICATED ON THE DRAWINGS ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
- CONSTRUCTION SHALL BE MADE FROM APPROVED SHOP DRAWINGS ONLY.
- ANY DISCREPANCIES ON THESE PLANS WITH REGARD TO DIMENSIONS OR CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PORTION OF WORK.
- ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT AND THE RHODE ISLAND STATE BUILDING CODE.
- THE LATEST EDITION OF THE FOLLOWING LISTED CODES SHALL APPLY. IN CASE OF CONFLICT, THE MORE RIGID REQUIREMENTS AND CODES SHALL GOVERN.
  - RHODE ISLAND STATE BUILDING CODE (STATE CODE): INTERNATIONAL BUILDING CODE, 2018 EDITION AND ITS APPLICABLE REFERENCED STANDARDS.
  - AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS AND ITS CODE STANDARD PRACTICE (AISC)
  - AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318.
- THE DESIGN LOADS ARE RESISTED BY THE COMPLETED STRUCTURE ACTING AS A UNIT. THE CONTRACTOR SHALL DESIGN AND PROVIDE ANY AND ALL TEMPORARY BRACING, SHORING, OR ADDITIONAL REINFORCEMENT NECESSARY TO RESIST LOADS IMPOSED ON ANY PORTION OF THE STRUCTURE THROUGHOUT ALL STAGES OF CONSTRUCTION. THE SHORING SHALL BE DESIGNED TO RESIST ALL DEAD LOADS AND ANY APPLICABLE CONSTRUCTION LOADS.
- ALL SHORING DESIGN AND PLANS SHALL BE STAMPED BY A RHODE ISLAND REGISTERED PROFESSIONAL ENGINEER.
- NOTES AND TYPICAL DETAILS APPLY TO ALL STRUCTURAL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN PROVIDE DETAILS OF SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.
- PLANS SHALL NOT BE SCALED FOR DIMENSIONS.
- MEP DRAWINGS MUST BE USED IN CONJUNCTION WITH THE STRUCTURAL DRAWINGS DURING ALL PHASES OF CONSTRUCTION.

## B. DESIGN LOADS

- GENERAL
  - BUILDING RISK CATEGORY: III
  - FROST DEPTH: 3'-4"
- ROOF LIVE LOADS (SNOW):
  - IMPORTANCE FACTOR: 1.1
  - GROUND SNOW LOAD (Pg): 30 psf
  - FLAT ROOF SNOW LOAD (Pf): 30 psf (MINIMUM PER CODE)
  - EXPOSURE FACTOR (Ce): 1.0
  - THERMAL FACTOR (Ct): 1.0
- WIND LOADS
  - ULTIMATE WIND DESIGN SPEED (Vult): 134 mph
  - NOMINAL DESIGN WIND SPEED (Vasd): 104 mph
  - EXPOSURE CATEGORY: C
  - ENCLOSED BUILDING (Gcpl): #0.18
- EARTHQUAKE LOADS
  - IMPORTANCE FACTOR: 1.25
  - MAPPED SPECTRAL RESPONSE ACCELERATIONS (Ss, S1): 0.177, 0.061
  - SITE CLASS: D (ASSUMED)
  - DESIGN SPECTRAL COEFFICIENTS (Sds, Sd1): 0.188, 0.098
  - SEISMIC DESIGN CATEGORY: B

## C. FOUNDATIONS:

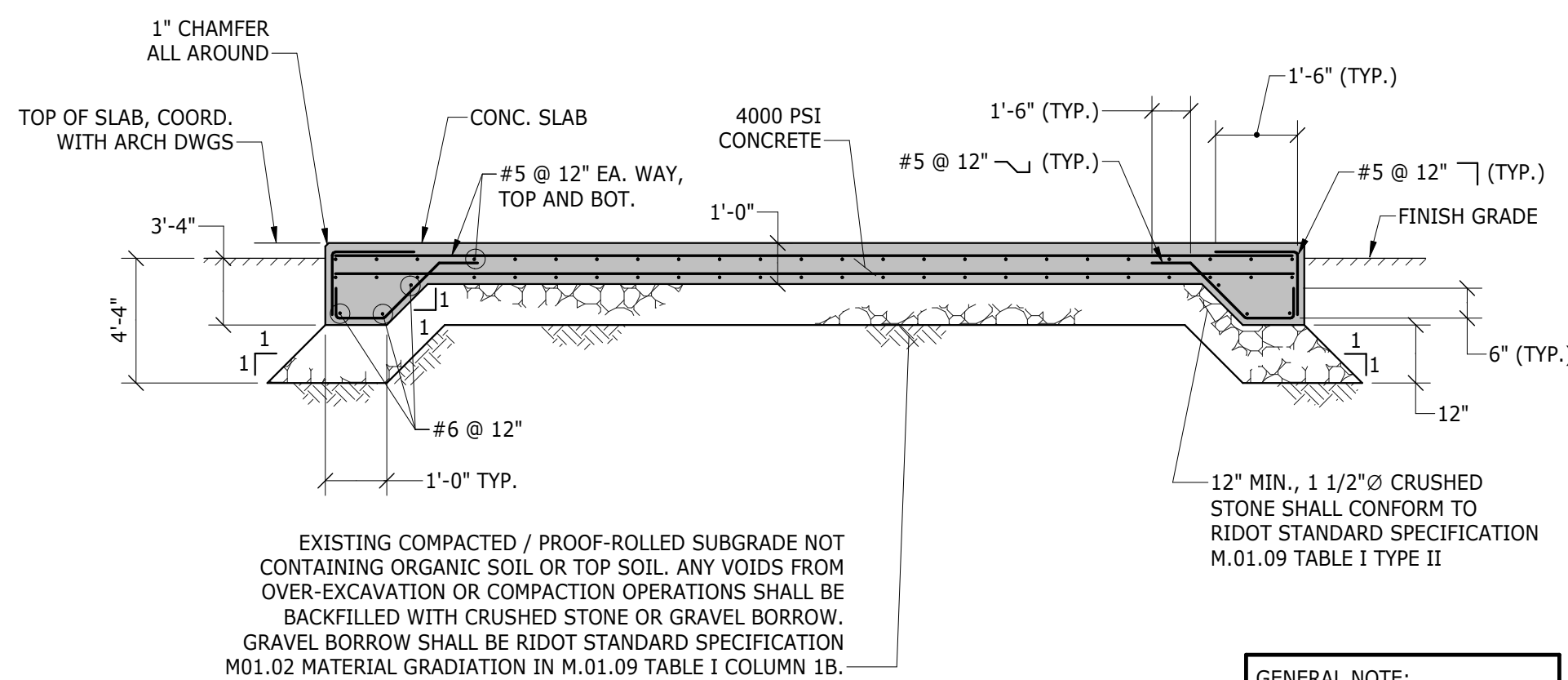
- FOUNDATIONS HAVE BEEN DESIGNED BASED UPON A PRESUMPTIVE NET ALLOWABLE BEARING PRESSURE OF 2.0 KSF.
- NO FOUNDATIONS OR SLABS-ON-GRADE TO BEAR ON SOIL SHALL BE PLACED ON FROZEN SOIL OR IN WATER.
- FOUNDATIONS OR SLABS-ON-GRADE TO BEAR ON SOIL SHALL REST ONLY ON SUITABLE COMPACTED BEARING MATERIAL. REFER TO SUBGRADE PREPARATION NOTES ON THIS SHEET.
- PERCENT COMPACTION IS DEFINED AS THE RATIO OF THE FIELD DRY DENSITY, DETERMINED BY ASTM D-1556, TO THE MAXIMUM DRY DENSITY, DETERMINED BY ASTM D-1557 (MODIFIED PROCTOR).
- COMPACT SUITABLE IN-SITU SOIL OR BACKFILL UNDER CONCRETE TO BEAR ON SOIL TO A MINIMUM OF 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557, UNLESS OTHERWISE INDICATED OR SPECIFIED.

## D. CAST-IN-PLACE CONCRETE:

- CONCRETE WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) AND THE RHODE ISLAND STATE BUILDING CODE.
- CONCRETE SHALL BE PROPORTIONED, MIXED, AND PLACED UNDER THE SUPERVISION OF THE APPROVED TESTING AGENCY RETAINED BY THE OWNER. CONCRETE TESTS SHALL CONFORM TO THE FOLLOWING:
  - SLUMP: ASTM C143; ONE TEST AT POINT OF DISCHARGE FOR EACH DAY'S POUR OF EACH TYPE OF CONCRETE.
  - AIR CONTENT: ASTM C173; VOLUMETRIC METHOD; ONE FOR EACH DAY'S POUR OF EACH TYPE OF AIR-ENTRAINED CONCRETE.
  - TEMPERATURE: TEST HOURLY WHEN AIR TEMP IS 40° F AND BELOW AND 80° F AND ABOVE AND FOR EACH SET OF COMPRESSIVE TEST SPECIMENS.
  - COMPRESSIVE STRENGTH TESTS: ASTM C39; ONE SET FOR EACH DAY'S POUR. TEST ONE SPECIMEN AT 7 DAYS, TWO AT 28 DAYS, AND RETAIN ONE IN RESERVE FOR FUTURE TESTING IF REQUIRED. PROVIDE ADDITIONAL SETS FOR EVERY 50 CUBIC YARDS OF EACH CONCRETE CLASS PLACED IN ANY ONE DAY.
- UNLESS NOTED OTHERWISE, CONCRETE SHALL BE NORMAL WEIGHT, WITH TYPE II CEMENT, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS: 4,000 PSI 3/4" AGGREGATE-TYPICAL, U.N.O. PROVIDE MAXIMUM WATER/CEMENT RATIO OF 0.45 AND MINIMUM CEMENT CONTENT OF 565 PER CUBIC YARD
- THE SLUMP SHALL NOT BE LESS THAN 1-1/2" NOR MORE THAN 4 INCHES, UNLESS IN THE OPINION OF THE ENGINEER, JOB CONDITIONS WARRANT EXCEEDING THESE LIMITS. THE CONSISTENCY SHALL BE UNIFORMLY MAINTAINED WITHIN THE ALLOWABLE RANGE OF SLUMP FOR THE JOB MATERIALS AS DETERMINED BY THE AASHTO METHOD T-119. THIS RANGE OF SLUMP IS TO BE MAINTAINED FOR ALL CONCRETE INCLUDING PUMPED CONCRETE. CONCRETE CONTAINING HRWR ADMIXTURE (SUPER-PLASTICIZER) MAY INCREASE THE ALLOWABLE SLUMP TO A MAXIMUM OF 7".
- ALL CONCRETE SHALL BE AIR-ENTRAINED WITH AN AIR CONTENT OF 6% ± 1%.
- CALCIUM CHLORIDE SHALL NOT BE USED.
- PROVIDE A SMOOTH RUBBED SURFACE, FREE FROM BURRS, TIE HOLES, HONEYCOMBING, ETC. ON EXPOSED CONCRETE SURFACES.
- PROVIDE A BROOM FINISH FOR EXTERIOR SLABS.
- ALL EXPOSED EDGES SHALL BE CHAMFERED 1" UNLESS NOTED OTHERWISE.
- WHEN CONCRETE IS PLACED AGAINST PREVIOUSLY HARDENED CONCRETE, THE INTERFACE SHALL BE CLEAN, FREE OF LAITANCE, AND INTENTIONALLY ROUGHENED TO FULL AMPLITUDE OF APPROXIMATELY 1/4 INCH.
- AT ALL CONSTRUCTION JOINTS NOT DESIGNATED TO BE CONTROL JOINTS, NEW CONCRETE SHALL BE EPOXY BONDED TO HARDENED CONCRETE WITH SIKADUR 32 HI-MOD LPL MANUFACTURED BY SIKA CORP. OR ENGINEER APPROVED EQUAL. APPLY PER MANUFACTURER'S RECOMMENDATIONS.
- ALL CONCRETE SHALL BE PLACED IN THE DRY.

## E. REINFORCING STEEL:

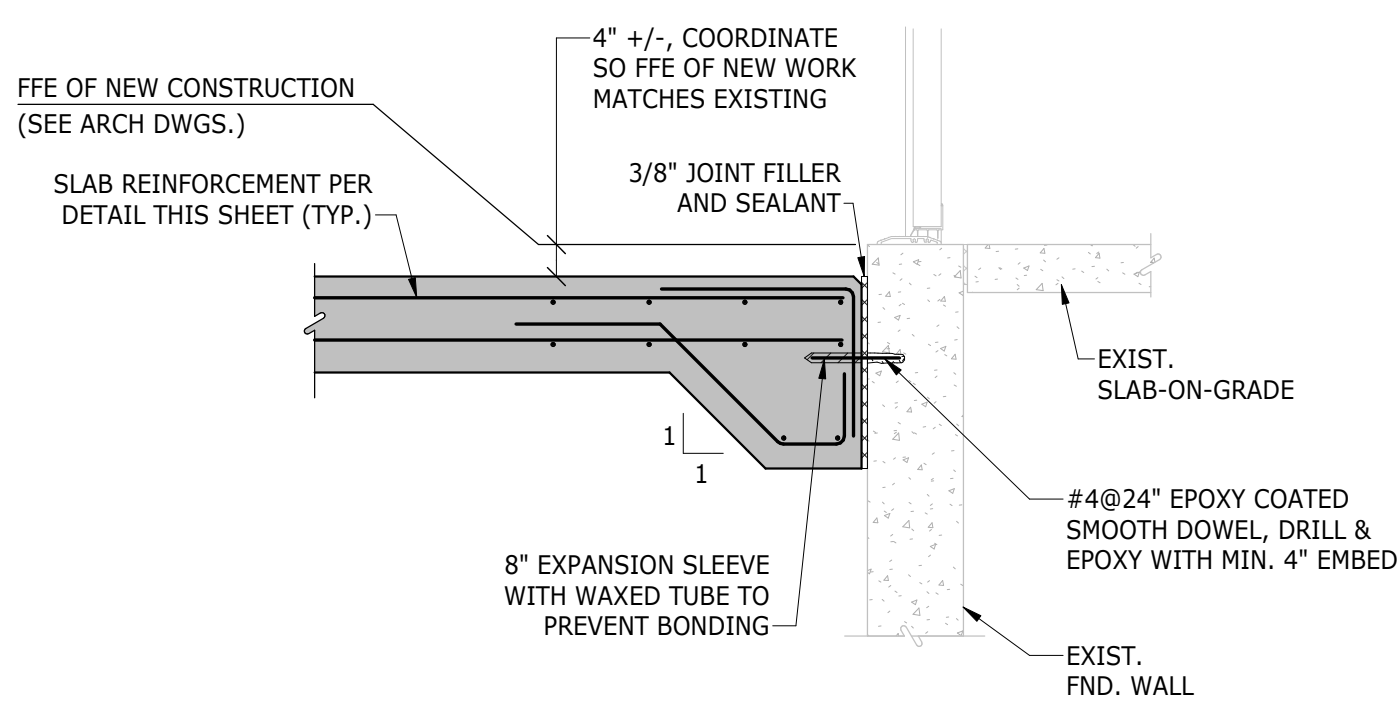
- REINFORCING BARS SHALL BE DETAILED IN ACCORDANCE WITH ACI 315 MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES AND THE RHODE ISLAND STATE BUILDING CODE.
- COMPLETE SHOP DRAWINGS AND SCHEDULES OF ALL REINFORCING STEEL SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF THAT PORTION OF THE WORK. ALL ACCESSORIES MUST BE SHOWN ON THE SHOP DRAWINGS.
- REINFORCING BARS SHALL CONFORM TO ASTM A615 OR A706 (WELDABLE) GRADE 60.
- ALL REINFORCING STEEL SHALL BE UNCOATED. HOWEVER, ALL SUPPORTS SUCH AS CHAIRS, BOLSTERS, SPACERS, BLOCKS AND HANGERS SHALL BE OF NON-CORROSIVE MATERIAL. PROVIDE MINIMUM #5 SUPPORT BAR.
- UNLESS NOTED ON THE DRAWINGS, THE MINIMUM CONCRETE PROTECTION (CLEAR COVER) FOR CAST-IN-PLACE CONCRETE COVER SHALL BE AS FOLLOWS:
  - CONCRETE PLACED AGAINST EARTH.....3"
  - FORMED CONCRETE EXPOSED TO EARTH OR WATER.....2"
- ALL REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.
- BARs SHALL NOT BE CUT OR OMITTED FOR SLEEVE OR OPENINGS IN SLABS. BARs MAY BE MOVED LATEROALLY WITHOUT CHANGING THE DISTANCE FROM THE FACE OF CONCRETE. NO BARs SHALL BE BENT IN FIELD WITHOUT APPROVAL OF THE ENGINEER.
- PIPES AND SLEEVES EMBEDDED IN CONCRETE SHALL NOT BE LARGER IN OUTSIDE DIAMETER THAN 1/4 THE THICKNESS OF THE SLAB OR WALL IN WHICH THEY ARE EMBEDDED, UNLESS OTHERWISE SHOWN ON THE DRAWINGS, NOR SHALL THEY BE LOCATED SO AS TO IMPAIR THE STRENGTH OF THE CONCRETE.
- MINIMUM REINFORCEMENT DEVELOPMENT LENGTH AND LAP SPICE LENGTHS SHALL BE IN ACCORDANCE WITH ACI 318 FOR CLASS B LAPS UNLESS OTHERWISE NOTED ON THE DRAWINGS.



**NOTE:**  
DESIGN WAS BASED ON AN EQUIPMENT LOAD OF 35,000 LBS.  
IF LOADS WILL EXCEED THE DESIGN LOAD, THE ENGINEER  
MUST BE NOTIFIED BEFORE FABRICATING THE  
REINFORCEMENT IN CASE CHANGES ARE REQUIRED.

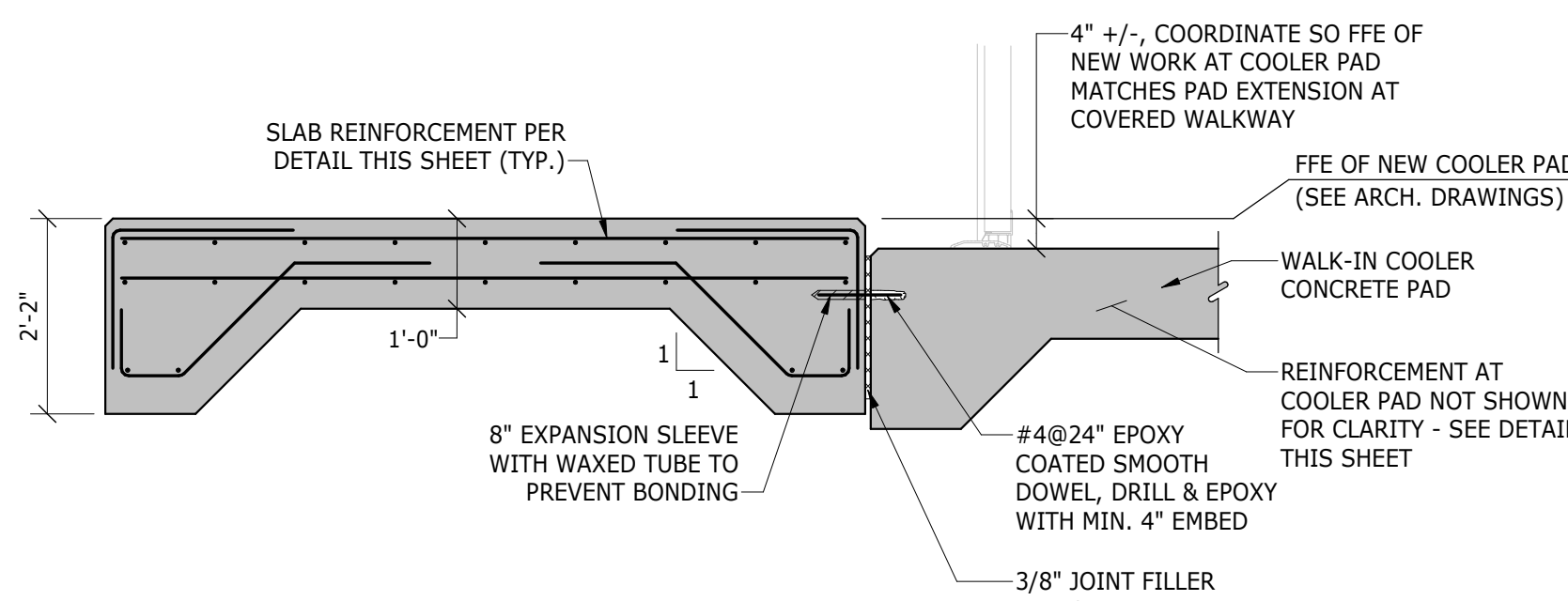
## WALK-IN COOLER CONCRETE PAD

NOT TO SCALE



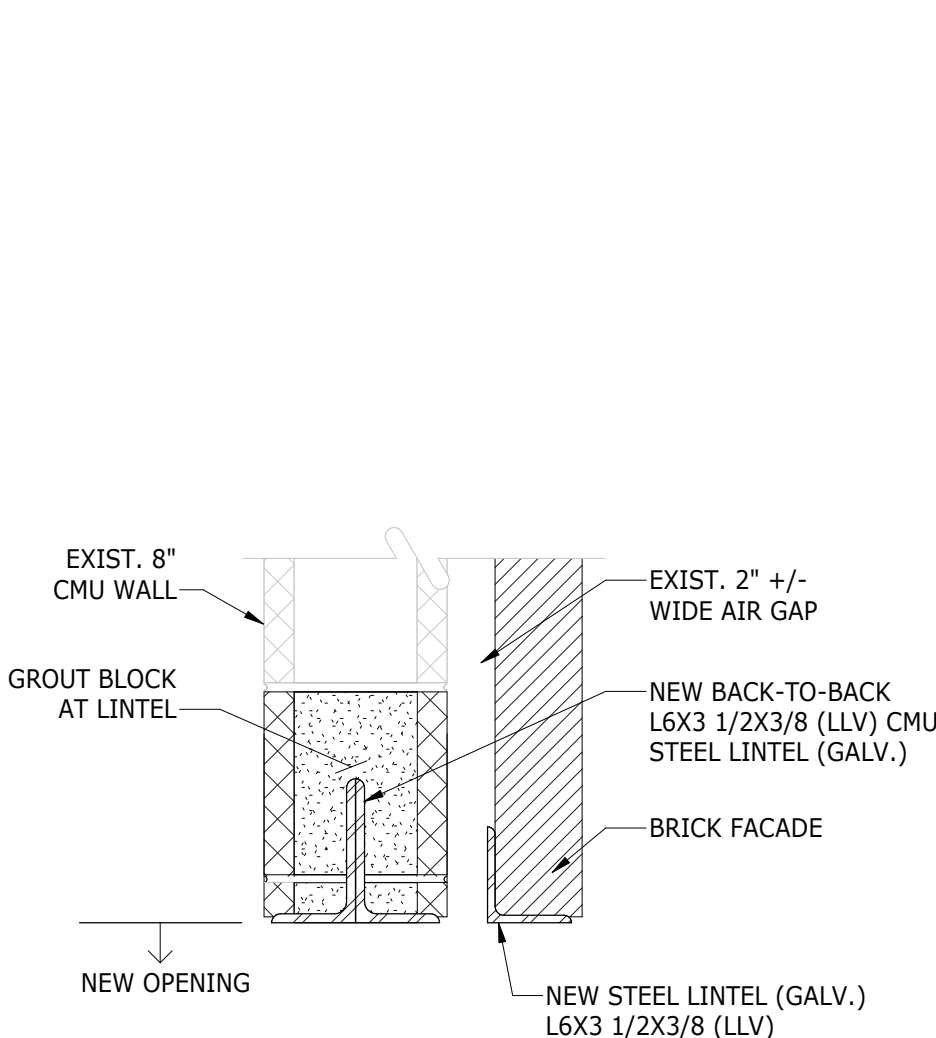
## TYPICAL SECTION AT ENTRYWAY AT EXISTING FOUNDATION

NOT TO SCALE



## TYPICAL SECTION AT ENTRYWAY AT PAD EXTENSION

NOT TO SCALE

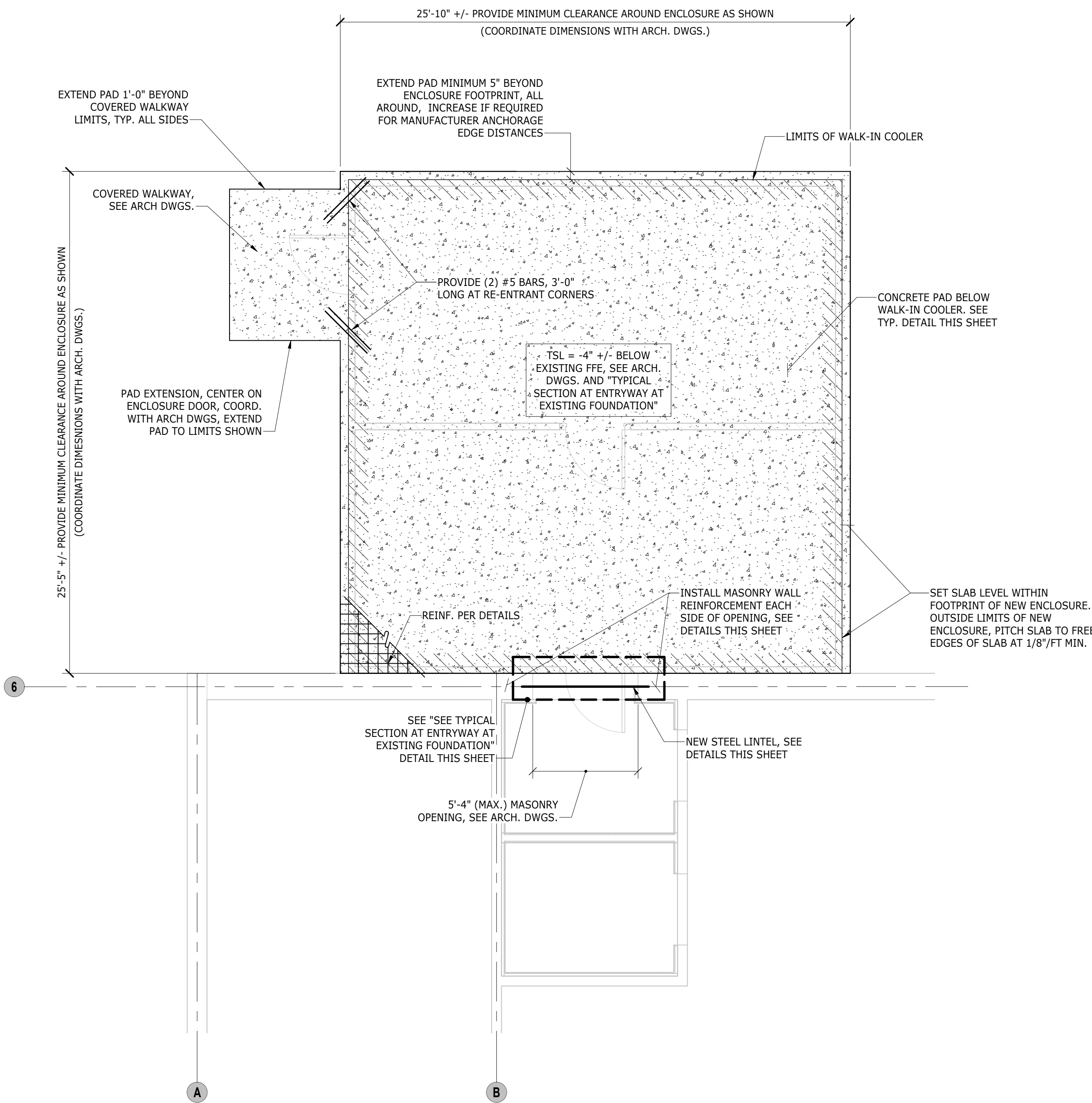


## NOTES:

- PROVIDE MIN. 8" BEARING EACH END OF LINTEL. FILL CMU CELLS DIRECTLY BELOW LINTEL BEARING SOLID WITH GROUT.
- LINTEL DESIGNED FOR MAXIMUM OPENING OF 6'-0". IF OPENING EXCEEDS 6'-0" PLEASE NOTIFY ENGINEER AS ADJUSTMENT TO LINTEL SIZE MAY BE REQUIRED.
- STEEL ANGLES SHALL CONFORM TO ASTM A36 (Fy = 36 KSI). HOT-DIP GALVANIZE ANGLES IN ACCORDANCE WITH ASTM A123.

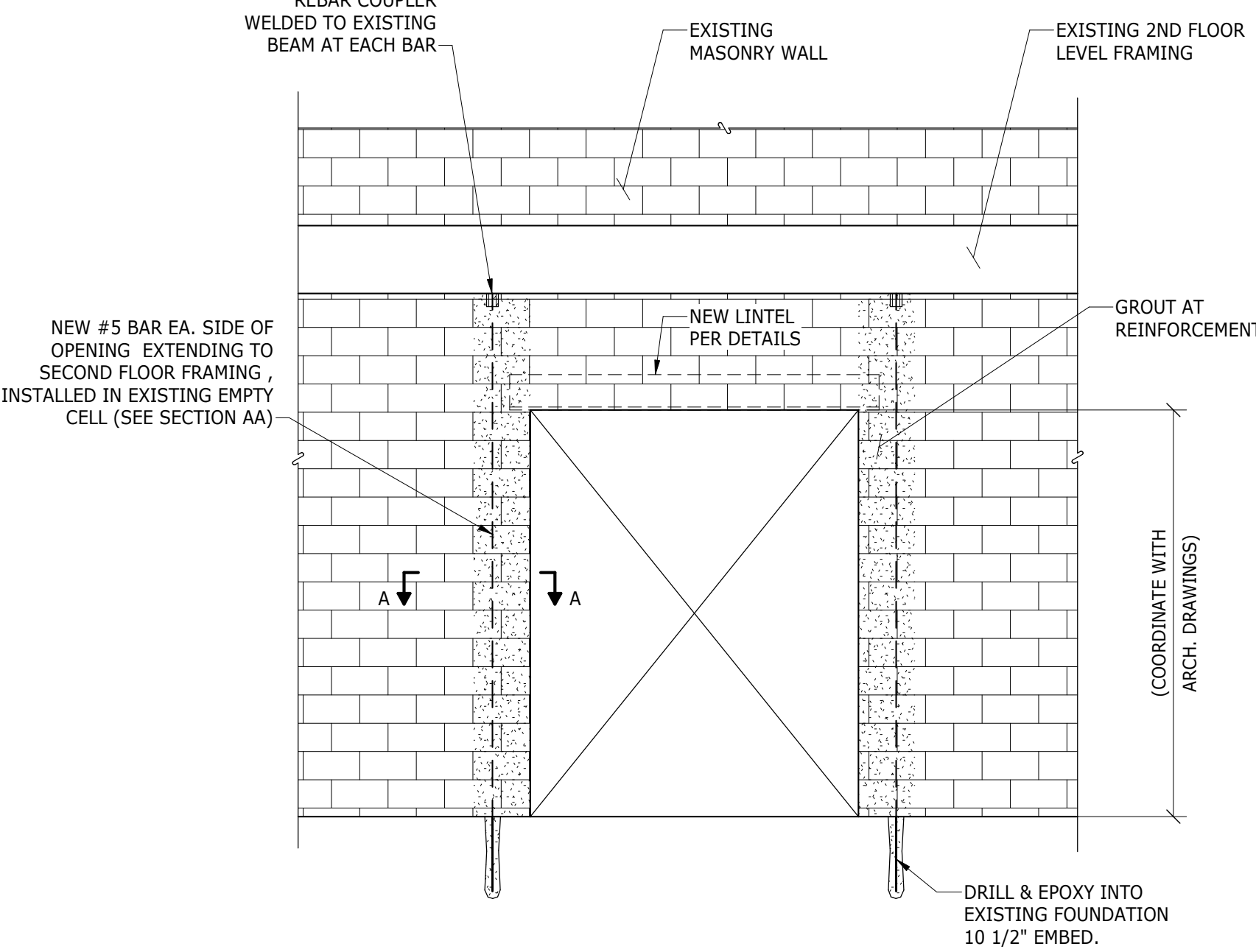
## TYPICAL STEEL LINTEL SECTION

NOT TO SCALE



## 1 WALK-IN COOLER CONCRETE PAD PLAN

SCALE: 1/4" = 1'-0"



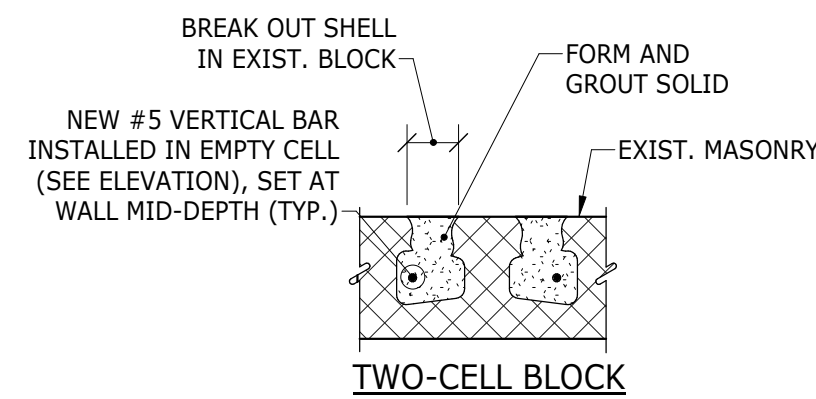
## NOTE:

IF REINFORCING BARS ARE NOT INSTALLED IN ONE FULL LENGTH, PROVIDE LAP SPICED IN ACCORDANCE WITH ACI 530 (MIN. 2'-6" LAP LENGTH FOR #5 BAR)

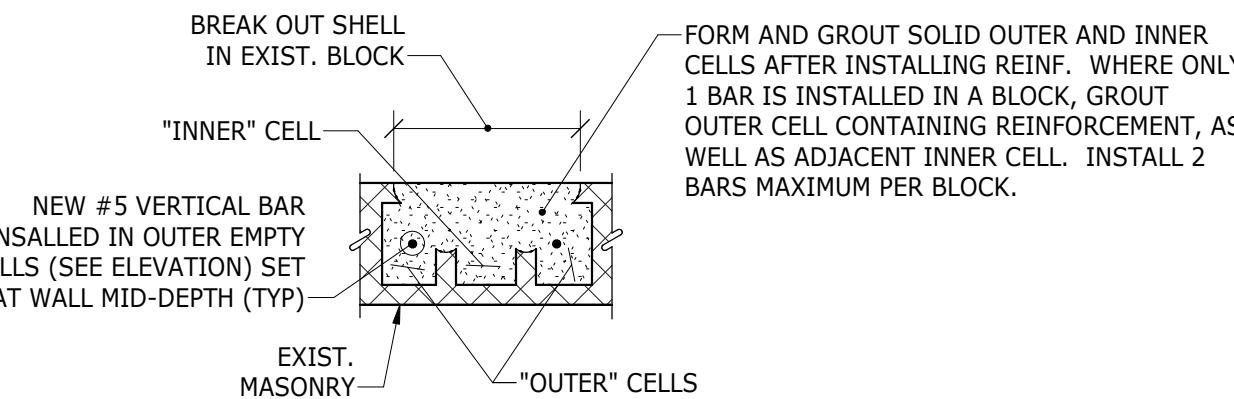
## MASONRY REINFORCEMENT AT NEW DOOR

## OPENING IN EXTERIOR WALL

NOT TO SCALE



## TWO-CELL BLOCK



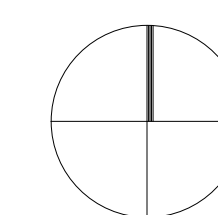
## THREE-CELL BLOCK

## SECTION A-A (VERIFY BLOCK TYPE IN FIELD)

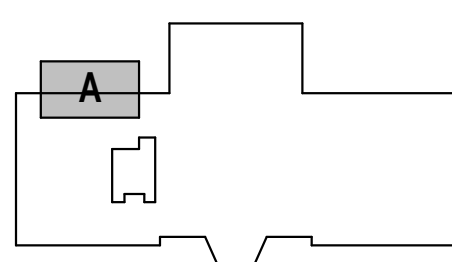
## KEYNOTE LEGEND:

## 100% CONSTRUCTION DOCUMENTS

## KEY PLAN NORTH ARROW



## KEYPLAN



## DRAWING NAME:

## WALK-IN COOLER CONCRETE PAD PLAN & DETAILS

DRAWN BY: MSS

REVIEWED BY: KMC

SCALE: AS INDICATED | DRAWING NUMBER:

JOB NO.: 1903.03

DATE: May 24, 2024

**S1.10**