

Rural School Sports Facilities Grant Program

Application for Funding – FY2026

SECTION 1: Applicant Information

School District: Carbon School District

District Superintendent: Mika Salas

Contact Person for Application:

- Name: Darin Lancaster
- Title: Business Administrator
- Phone: 435-613-3135
- Email: dlancaster@carbonschools.org.

SECTION 2: Eligibility Confirmation

Please confirm that the applying school meets at least one of the following eligibility criteria:

- Located in a 4th, 5th, or 6th class county
- School district has fewer than 3,000 students enrolled

Name of Eligible School: Mont Harmon Middle School, Price Utah

SECTION 3: Project Description

Type of Project: New Construction Refurbishment

Facility Type: Indoor Outdoor Both

Primary Uses:

Mont Harmon Middle School's gymnasium provides a dedicated space for student physical health through PE classes, competitive sports, and other activities. It serves as the school gathering place for assemblies and other school events since it is the only space large enough to hold the entire student body. The gymnasium also serves the broader community by hosting many community events and providing court space for community recreation teams of all ages.

Project Narrative:

See attachments

SECTION 4: Demonstration of Need

Attach or describe the following:

- Evidence of current facility limitations or lack of access, including pictures as applicable
- Impact on student health, participation, or safety
- Community support or partnerships (if applicable)

Description (if Applicable):

See attachments

SECTION 5: Budget and Timeline

Estimated Total Project Cost: \$ 730,998

Amount Requested from Grant Program: \$ 500,000

Other Funding Sources (if any):

The district will use funds reserved in the district's Capital Fund. The district currently has sufficient fund balance to pay the costs not covered by this grant.

Estimated Start Date: 4/01/2026

Estimated Completion Date: 8/01/2026

Attach a detailed budget and project timeline.

SECTION 6: Project Planning and Financial Analysis

4. Estimated Annual Maintenance Costs: \$ No additional maintenance beyond current levels

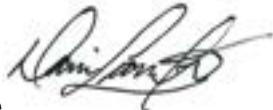
5. Estimated Life Cycle Replacement Timeline: 50 + years

6. Anticipated Annual Revenue: \$ 3,000 through building rental fees from community

SECTION 7: Certification and Signature

I certify that the information provided in this application is accurate and complete to the best of my knowledge. I understand that if awarded, the district will be required to submit progress reports and updates to the Utah State Board of Education.

Authorized Signature:



Name: Darin Lancaste.

Title: Business Administrator

Date: 10/30/2025

Project: Replacement of Mont Harmon Middle School Gym

Primary Uses:

Mont Harmon Middle School's gymnasium provides a dedicated space for student physical health through PE classes, competitive sports, and other activities. It serves as the school gathering place for assemblies and other school events since it is the only space large enough to hold the entire student body. The gymnasium also serves the broader community by hosting many community events and providing court space for community recreation teams of all ages.

Project Narrative:

The proposed project is to remove and replace the existing Mont Harmon Middle School gym floor due to significant heaving of the floor slab. Heaving is due to groundwater saturating the sub-base beneath the building. This heaving has caused areas of the floor to rise as much as 4" above the original floor level, which has caused an uneven surface, many large dead spots, boards that continually pop up, and has made it impossible to open the north bleachers. The project will entail removing the existing maple athletic floor system, concrete slab, and three feet of earth. This will then be replaced with a structural fill material that resists expansion, followed by a new vapor retarder, a new concrete slab, and a new maple flooring system.

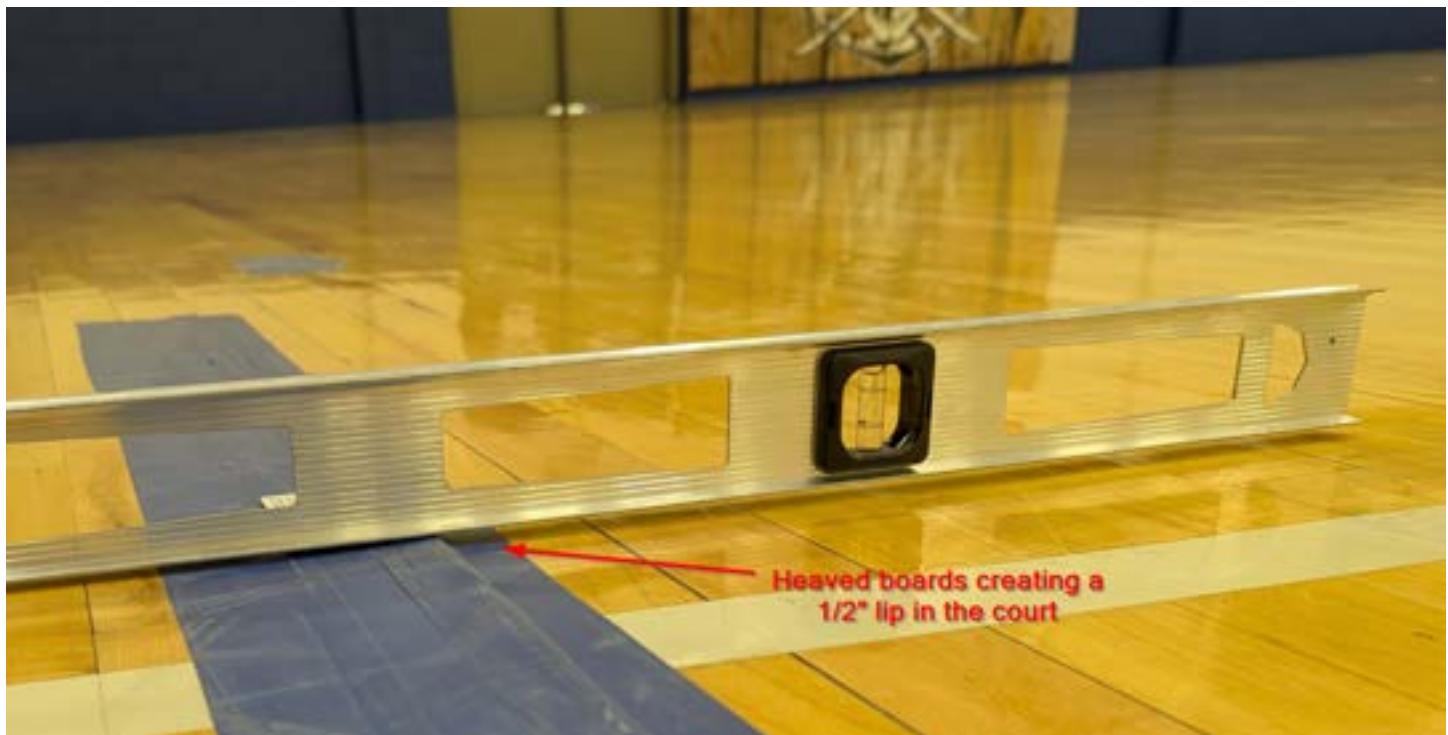
Demonstration of Need:

A few years ago, it became apparent that the floors in the gym and a few nearby classrooms were heaving. Test pits were dug along the north side of the building to monitor water levels. It was determined that a fire hydrant water line on the north side of the gym was leaking, and it had likely been doing so for several years. The water line was replaced, and consequently, the water levels in the test pits reduced significantly. However, there was still evidence of some natural groundwater in the area. To eliminate the potential for future water-related issues, it was determined to intercept the groundwater before it reaches the footings by installing a perforated collection line system across the north foundations of the building, channeling the water into the existing stormwater drain system. This work is currently underway and is not included in the scope of this proposal. But we want to assure the committee that the root cause of the problem has been identified and remedied.

Budget and Timeline:

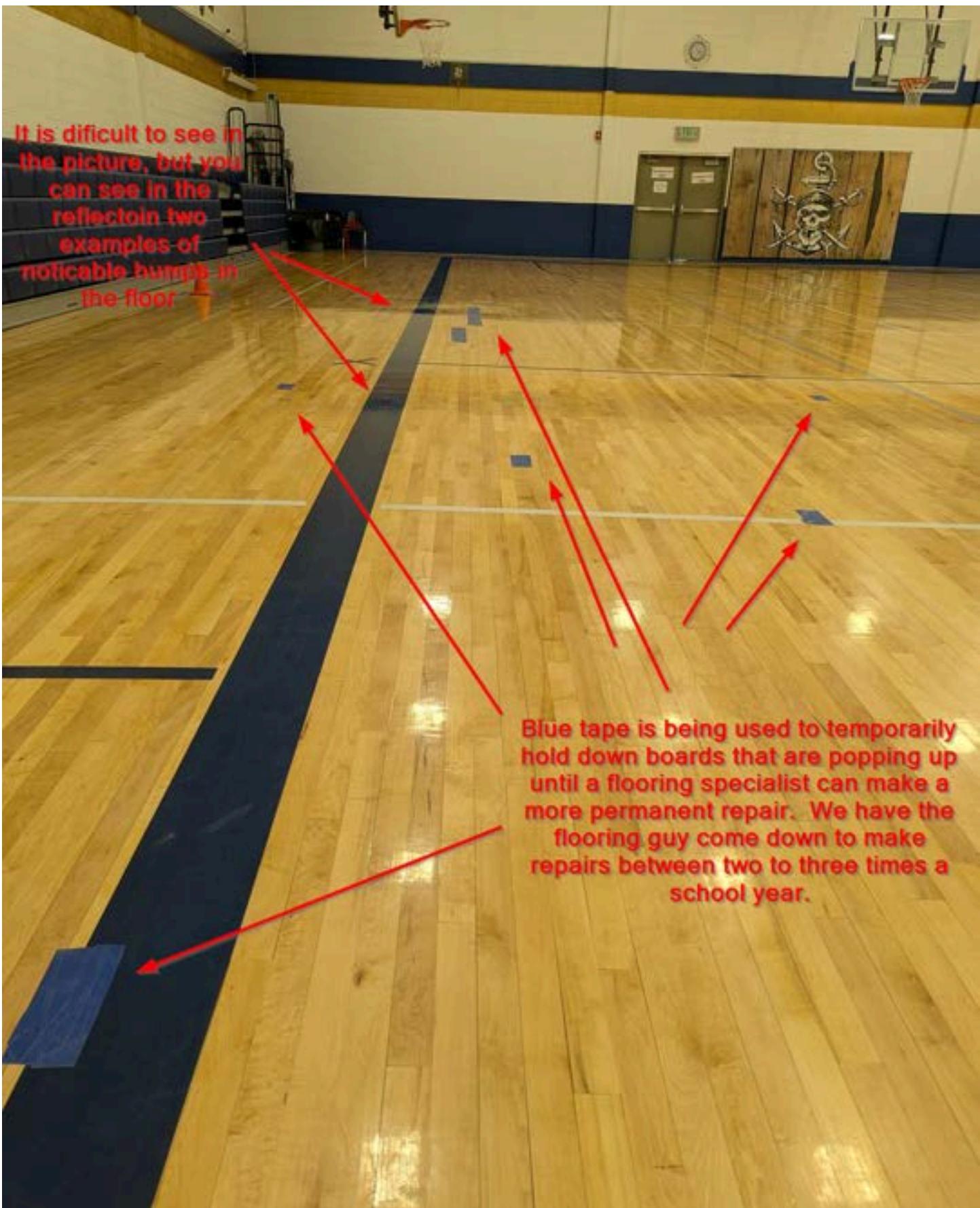
A detailed budget for this project is attached. The total estimated cost is \$730,998. The district is requesting \$500,000 from the grant. The remaining costs will be paid from the district's Capital Fund reserve balances.

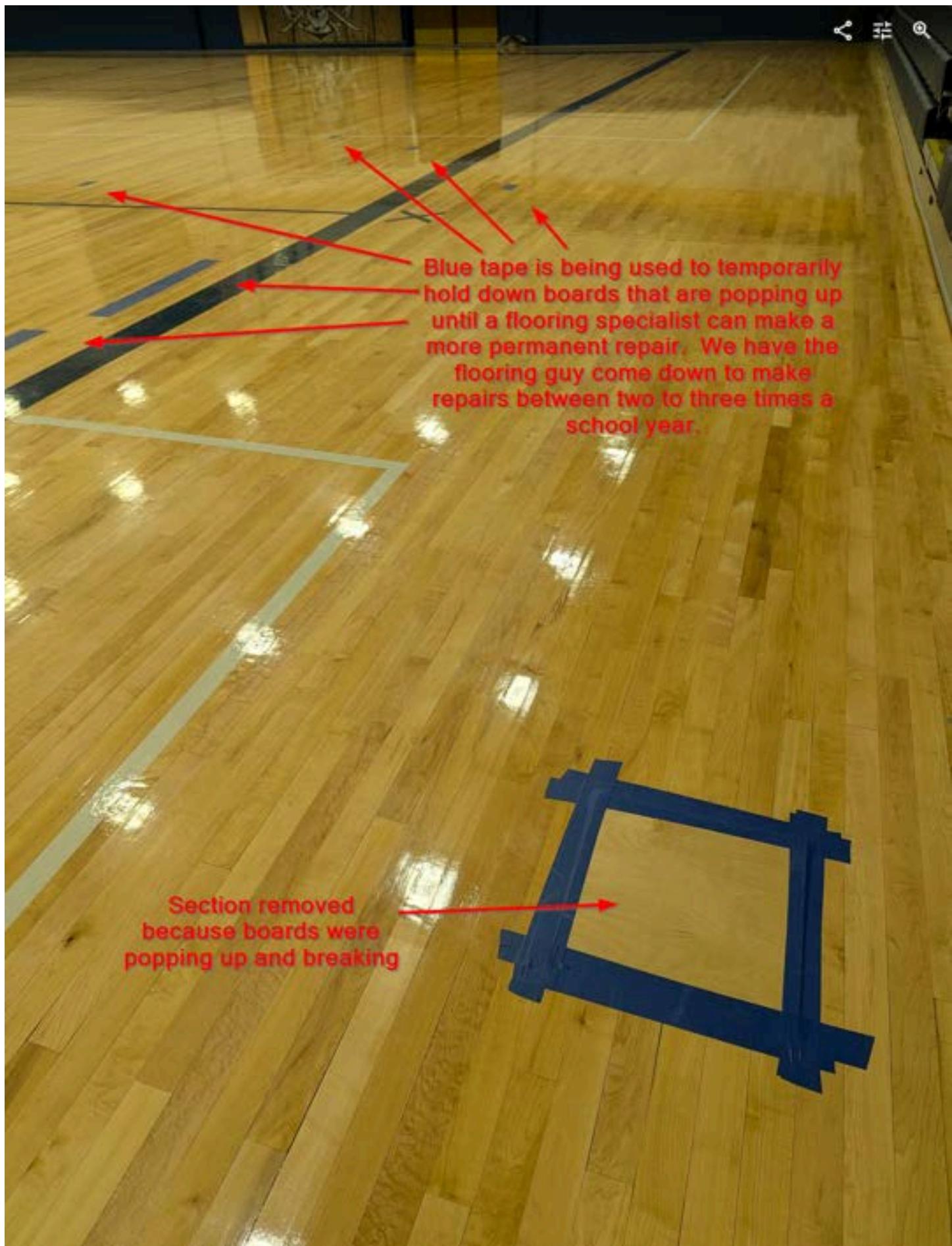
Since a bid has not yet been awarded for this project, the exact timeline has not been determined and will depend on contractor availability. However, the school is prepared to make the gym available for work to begin as early as April 1, 2026, after the basketball season has ended. Work can continue through the summer months with a completion date no later than August 15, 2026. We anticipate that this will provide ample time to complete the project.





Boards have heaved and
are about 1/2" above
adjacent boards







This picture shows the work being done on the north side of the building to capture groundwater and channel it to the storm drain system. This is not part of the scope of the grant proposal, but is shown here to illustrate that the root of the problem has been identified and remediated.



This picture shows the work being done on the north side of the building to capture groundwater and channel it to the storm drain system. This is not part of the scope of the grant proposal, but is shown here to illustrate that the root of the problem has been identified and remediated.



17 October, 2025

Mr. Erin Youngberg
Naylor Wentworth Lund Architects
723 Pacific Avenue, Suite 101
Salt Lake City, Utah 84104

Mr. Jared Hansen
Facilities Director
Carbon County School District
251 West 400 North
Price, UT 84501

Following is a statement of the work required at Mont Harmon Middle School to remediate the gymnasium floor slab that has heaved over the past several years.

The heaving appears to be the result of ground water saturating the sub-base under the building in multiple locations causing the earth and the slabs above to heave. This is most evident in the 9,500 sq ft gymnasium space. The gym floor (a maple athletic flooring system over concrete slab) has raised up beyond the edges approximately 4" such that the north grandstands bind on the curve and cannot fully open. The floor is noticeably crowned and has large dead spots impacting the play of students and competitors.

A study that has monitored water levels around portions of the building perimeter over the past few years verifies that the ground water is the cause of the heaving. As we've reviewed this evidence, it appears that the water flows to the building generally from the north.

The solution is in two parts; 1) protect the building from future ground water and 2) repair the slabs/floors that have been damaged.

Protection: The ground water needs to be intercepted before it flows under the building footings to saturate the sub-base. This will be accomplished by a perforated collection line system across the north foundations of the building channeling the water into the existing storm water system.

Remediation: The sub-base under the gymnasium floor slab needs to be removed and replaced with structural fill material that will not expand when it becomes wet. This will require the removal of the maple athletic flooring system, the concrete floor slab and three feet (3') of earth under the slab while protecting the surrounding building structure, installations and finishes. After a sub-base of structural fill is installed, a vapor retarder and new concrete slab will be placed. A new maple flooring system will be built on the new slab. The work will be phased to keep the existing telescoping grandstands in place.

The exterior protection work is being installed now. It is our understanding that the interior remediation work is intended to move forward this spring.

Sincerely,

A handwritten signature in cursive ink that reads 'Erin Youngberg'.

Erin Youngberg, AIA
Naylor Wentworth Lund Architects

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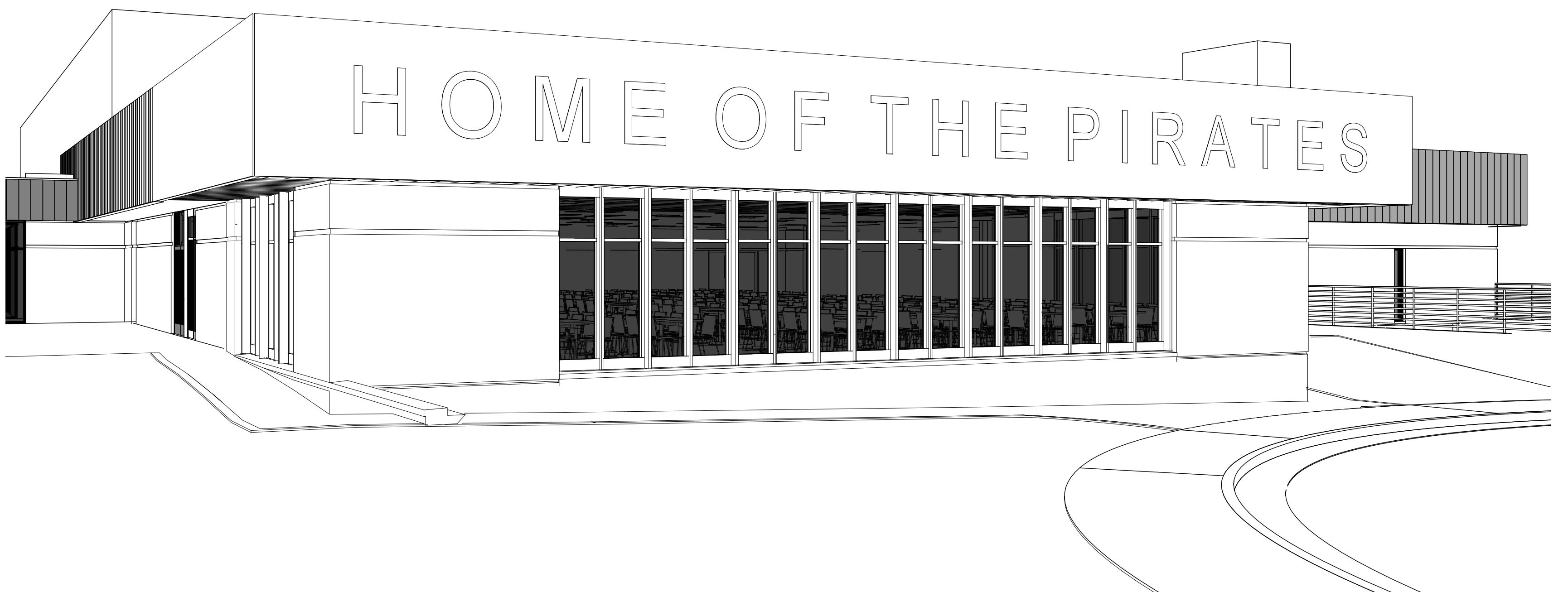
Mont Harmon Gym Floor Replacement Estimate

10/17/2025

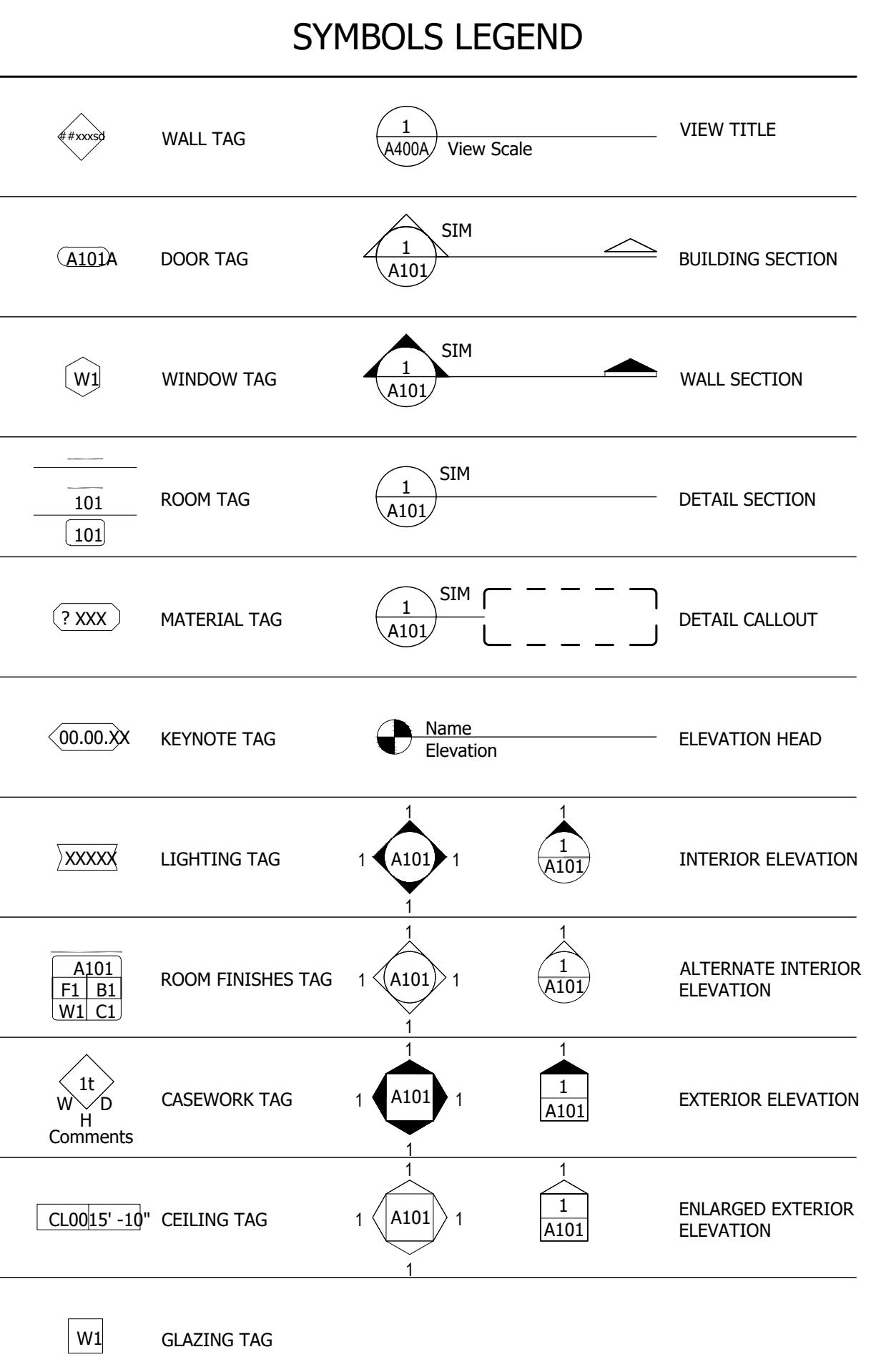
Item	Unit	Quantity	Unit Cost	Total
Demolition of Existing Slab	SF	9,512	\$ 9.00	\$ 85,608.00
Demolition of Existing Subgrade	CY	1,335	\$ 25.00	\$ 33,375.00
6" Reinforced Concrete Slab	CY	190	\$ 650	\$ 123,500.00
36" Structural Fill	CY	1,200	\$ 85	\$ 102,000.00
4" Free Draining Rock	CY	135	\$ 150	\$ 20,250.00
Underslab Vapor Retarder	SF	9,512	\$ 2.75	\$ 26,158.00
Wood Flooring System (Action Excel Floating)	SF	9,512	\$ 14.05	\$ 133,643.60
New Wall Opening & Overhead Door	UNIT	1	\$ 32,000	\$ 32,000.00
Maintain Existing Grandstands	UNIT	1	\$ 30,000.00	\$ 30,000.00
Subtotal				\$ 586,534.60
Anticipated General Conditions	%	10%		\$ 58,653.46
Anticipated Overhead & Profit	%	10%		\$ 64,518.81
Total				\$ 709,706.87
Contingency	%	3%		\$ 21,291.21
Grand Total				\$ 730,998.07

MONT HARMON SLAB REPLACEMENT

FOR
 CARBON SCHOOL DISTRICT
 BID SET | 15 October 2025



Sheet Index	
Number	Sheet Name
G001	COVER SHEET
A100	OVERALL FLOOR PLAN
A101	FINISH FLOOR PLAN
D101	GYM DEMO PLAN
A201	DETAILS



CONSULTANTS

OWNER

CARBON SCHOOL DISTRICT

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PRICE, UT 84501
435.637.1732

Business Admin | Darin Lancaster
Facilities Manager | Jared Hansen

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723 Pacific Avenue Suite 101
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Principal | Philip Wentworth
PM | Erin Youngberg

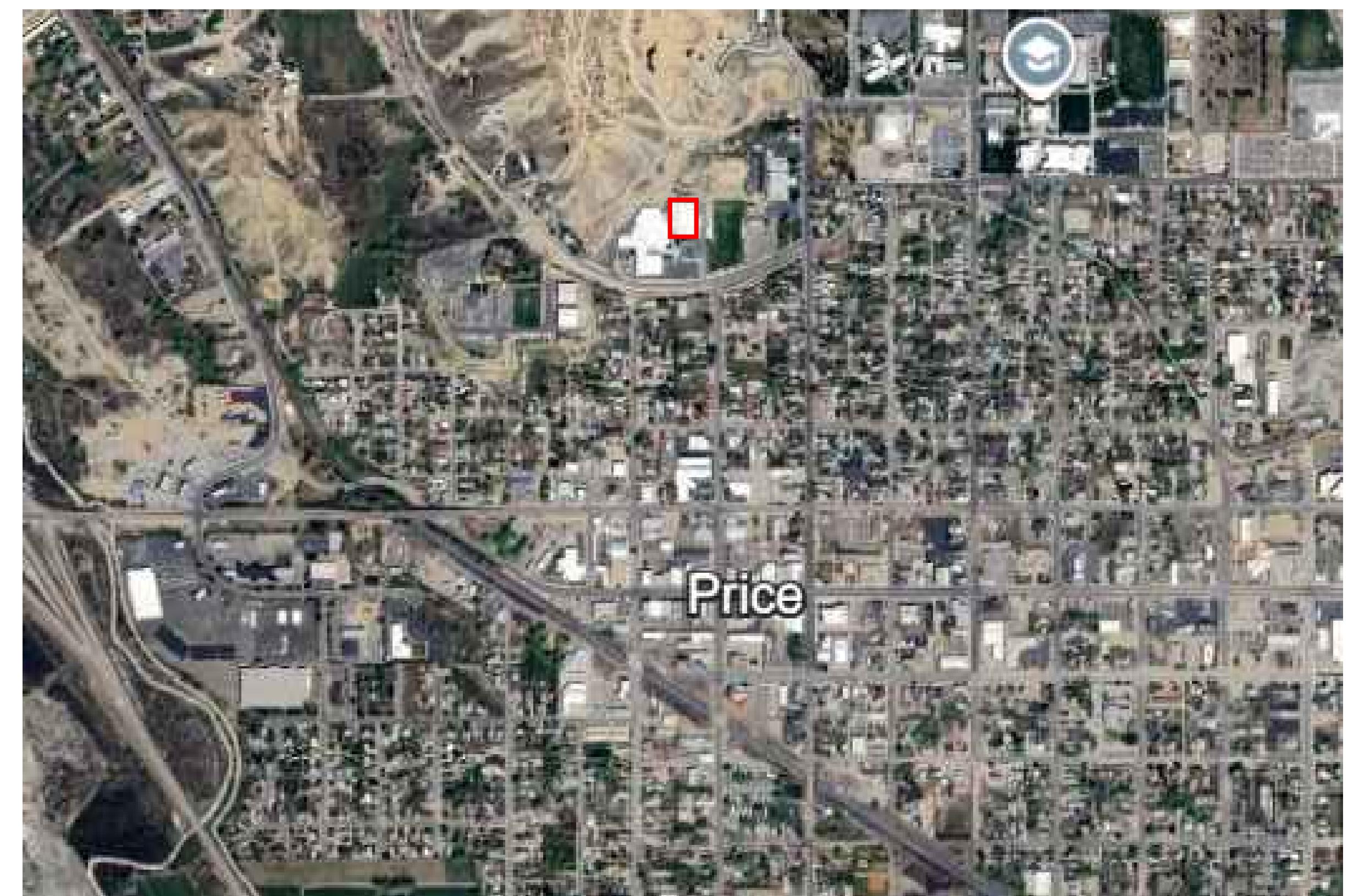
CIVIL

JONES & DEMILLE
ENGINEERING, INC.

1675 South Highway 10
Price, UT 84501
435.637.8266 | jonesanddemille.com

Principal | Daniel Hawley
PM | Cody Peck

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MONT HARMON SLAB REPLACEMENT

CARBON SCHOOL DISTRICT
Price, UT 84501
DRAWING ISSUE
ISSUE DATE
NWL PROJECT

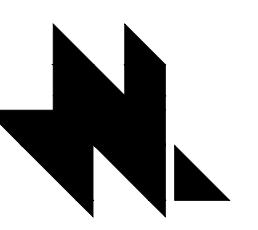
FINAL REVIEW SET
15 OCTOBER 2025

DATE REVISION

NOT FOR CONSTRUCTION

COVER SHEET

G101



naylor wentworth lund
a r c h i t e c t s



CARBON
SCHOOL DISTRICT
351 WEST 400 NORTH
PRICE, UT 84501

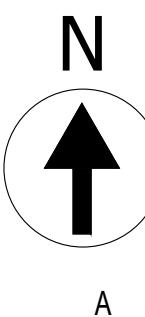
MONT HARMON SLAB REMEDIATION

CARBON SCHOOL DISTRICT
Price, Utah 84501
FINAL REVIEW SET
DRAWING ISSUE
15 OCTOBER 2005
ISSUE DATE
NWL PROJECT
112412

NOT FOR CONSTRUCTION

OVERALL FLOOR
PLAN

A100



1 OVERALL FLOOR PLAN
NTS

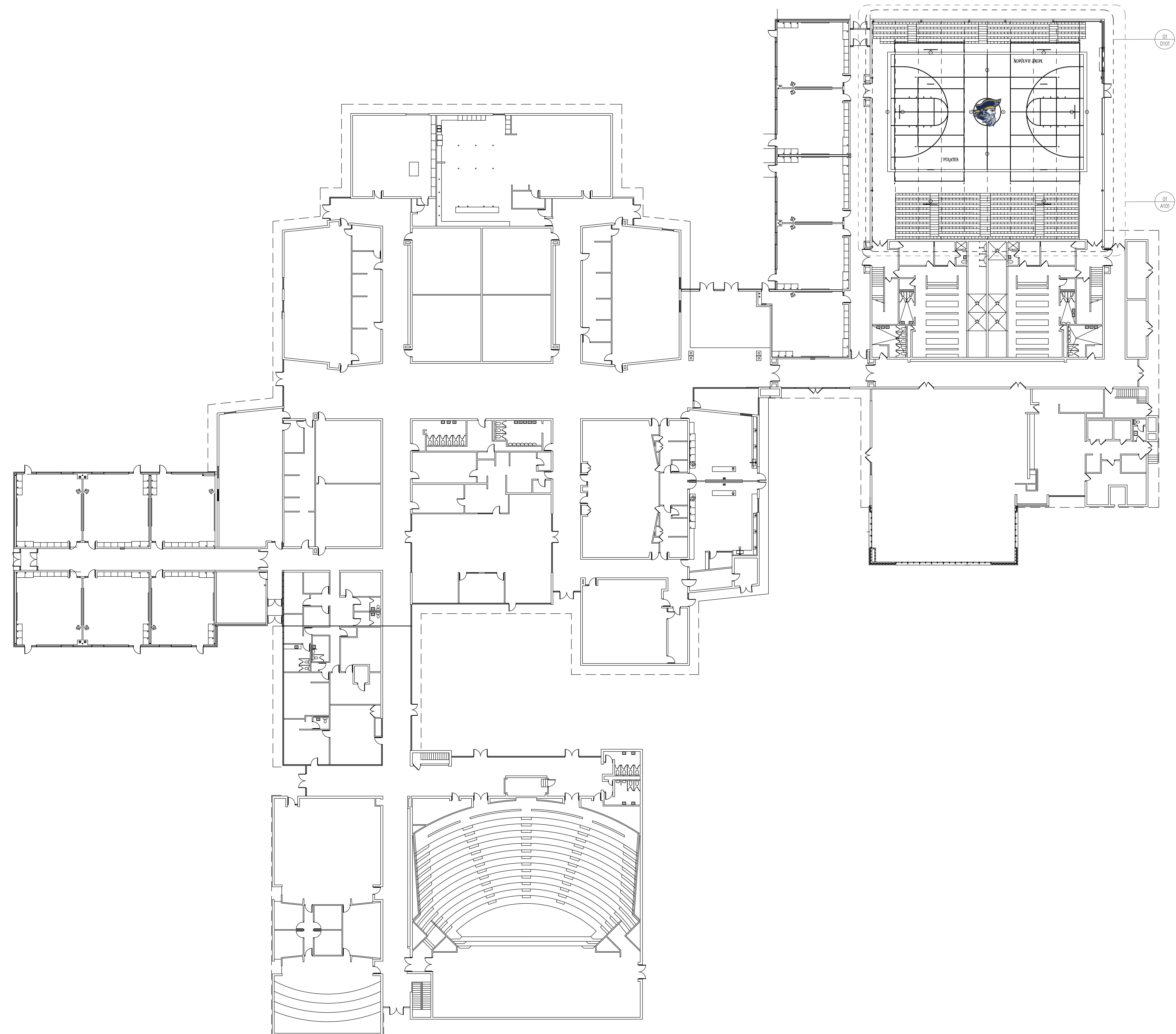
E

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STRUCTURAL STEEL

1. FABRICATION, ERECTION, AND MATERIALS SHALL CONFORM WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL BUILDINGS AND THE CURRENT EDITION OF THE IBC.
2. STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:
 - A. PLATES & BARS & MISCELLANEOUS SHAPES: ASTM A36
3. WELDING DONE BY THE ELECTRIC ARC PROCESS IN ACCORDANCE WITH "AWS" STANDARDS: USE ONLY CERTIFIED WELDERS.
4. BUTT WELDS: COMPLETE PENETRATION, GRIND SMOOTH.
5. ERECT ALL STRUCTURAL STEEL PLUMB AND TRUE TO LINE.
6. INSTALL TEMPORARY BRACING AND LEAVE IN PLACE UNTIL OTHER MEANS ARE PROVIDED TO ADEQUATELY BRACE STRUCTURE.
7. HOLES FOR UNFINISHED BOLTS OR RIVETS: SAME NOMINAL DIAMETER AS BOLT OR RIVET PLUS 1/16".
8. BOLT LOCATIONS: STANDARD AISC GAUGE AND PITCH FOR UNO.
9. HIGH STRENGTH BOLTS: 3/4" DIAMETER A325-N TYP. UNO. SEE AISC SPECIFICATION FOR STRUCTURAL JOINT USING ASTM A325 OR A490 BOLTS.
10. BOLTED CONNECTIONS: SNUG-TIGHTENED UNO.
11. SHORING IS NOT REQUIRED FOR COMPOSITE METAL DECKING, BEAMS, OR GIRDERS UNO.
12. DO NOT PAINT TOPS OF BEAMS & GIRDERS.

EARTHWORK

1. ENGINEER SHALL VERIFY CONDITION AND/OR ADEQUACY OF ALL SUBGRADES, FILLS, AND BACK FILLS, ETC.
2. SHORE AND BRACE AS REQUIRED.
3. DE-WATER AS REQUIRED TO REMOVE STANDING WATER FROM EXCAVATIONS.
4. CLEAN ALL DEBRIS FROM EXCAVATIONS.
5. NOTIFY ENGINEER 48 HOURS IN ADVANCE OF PLACING CONCRETE.
6. SCARIFY SOILS IN BOTTOM OF EXCAVATIONS 6", MOISTURE CONDITION TO WITHIN 2% OF OPTIMUM MOISTURE, AND COMPACT TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 PRIOR TO PLACEMENT OF STRUCTURAL FILL.
7. EXTEND STRUCTURAL FILL LATERALLY A DISTANCE EQUAL TO 1/2 THE STRUCTURAL FILL DEPTH BEYOND EDGE OF FOOTING ON EACH SIDE.
8. IMPORTED STRUCTURAL FILL USED FOR SUPPORT OF FOUNDATIONS AND FLOOR SLABS:
 - A. WELL-GRADED
 - B. NON-EXPANSIVE
 - C. FREE OF ORGANICS AND ALL DELETERIOUS MATERIALS
 - D. PERCENT PASSING NO. 200 SIEVE: 30% MAX
 - E. LIQUID LIMIT: 30 OR LESS
 - F. PLASTICITY INDEX: 10 OR LESS
9. COMPACT STRUCTURAL FILL BENEATH FOOTINGS TO 95% OF MAXIMUM DRY DENSITY DETERMINED BY ASTM D1557.
10. PLACE STRUCTURAL FILL IN MAXIMUM EIGHT-INCH THICK LOOSE LIFTS TO ACHIEVE ADEQUATE COMPACTION.

GENERAL NOTES

1. NOTES AND TYPICAL DETAILS SHALL APPLY UNLESS OTHERWISE SHOWN OR NOTED ON PLANS.
2. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR SIMILAR CONDITION.
3. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS.
4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES ETC. ON THE JOB.
5. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER WHERE CONFLICT OCCURS ON ANY OF THE CONTRACT DRAWINGS OR DOCUMENTS. CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE STRUCTURE THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED WITH AFFECTED PARTIES.
6. IF CONTRACTOR'S WORK IS NOT CONSTRUCTED ACCORDING TO APPROVED CONSTRUCTION DOCUMENTS (INCLUDING STAMPED WRITTEN COMMUNICATIONS), CONTRACTOR SHALL EITHER:
 - A. REMOVE THE NON-CONFORMING WORK AND RECONSTRUCT THE WORK ACCORDING TO DRAWINGS, AT CONTRACTOR'S OWN EXPENSE.
 - B. PAY FOR AND PROVIDE AN EVALUATION AND LETTER FROM THE ENGINEER STATING THAT THE NON-CONFORMING WORK MEETS APPLICABLE BUILDING CODES.
 - C. PAY FOR AND PROVIDE AN EVALUATION AND LETTER FROM THE ENGINEER STATING THAT THE NON-CONFORMING WORK DOES NOT MEET APPLICABLE BUILDING CODES AND DETAILING THE UPGRADES THAT ARE REQUIRED TO BRING THE NON-COMPLIANT WORK INTO COMPLIANCE.
7. VERBAL COMMUNICATIONS SHALL NOT BE CONSIDERED PART OF THE APPROVED CONSTRUCTION DOCUMENTS.

CONCRETE SLAB-ON-GRADE JOINTS

1. PROVIDE CONTROL JOINTS IN ALL REINFORCED AND UNREINFORCED SLABS-ON-GRADE ACCORDING TO TYPICAL CONCRETE JOINTS DETAIL.
2. WHERE TWO REINFORCED SLABS ABUT, OR WHERE ONE REINFORCED SLAB IS DIVIDED INTO MULTIPLE PLACEMENTS, PROVIDE PLATE DOWELS AT COLD JOINT PER TYPICAL CONCRETE JOINTS DETAIL.
3. PROVIDE EXPANSION JOINTS AT BUILDING CORNERS IN BOTH DIRECTIONS IN SLABS TOUCHING BUILDING.
4. TOOL CONTROL JOINTS INTO FRESH CONCRETE OR SAW CUT CONTROL JOINTS INTO HARDENED CONCRETE.
5. SAW-CUT JOINTS AS SOON AS POSSIBLE AFTER PLACEMENT, BEFORE SHRINKAGE CRACKS CAN DEVELOP.
6. CONTROL JOINT MINIMUM DEPTH: 1/4 OF SLAB THICKNESS.
7. CONTROL JOINT LAYOUT:
 - A. PLACE CONTROL JOINTS TO PRODUCE PANELS THAT ARE AS SQUARE AS POSSIBLE AND NOT EXCEEDING A LENGTH-TO-WIDTH RATIO OF 1.5 TO 1.
 - B. PLACE CONTROL JOINTS AT ALL ABRUPT CHANGES IN GEOMETRY.
 - C. AVOID WEDGE-SHAPED PANELS WITH INTERIOR ANGLES LESS THAN 45 DEGREES.
 - D. AVOID "T" SHAPED JOINTS.
 - E. AVOID "L" SHAPED PANELS.
 - F. IF CONTROL JOINT LAYOUT VIOLATES THESE REQUIREMENTS, EVEN IF NO CRACKING IS VISIBLE, OWNER MAY REJECT WORK.

MAXIMUM CONTROL JOINT SPACING

SLAB THICKNESS, IN.	MAXIMUM JOINT SPACING, FT.	
	UNREINFORCED	REINFORCED
4	8	10
5	10	12
6	12	15
8	16	20

STATEMENT OF SPECIAL INSPECTIONS

1. STRUCTURAL STEEL (1705.2.1, AISC 360)
2. COLD-FORMED STEEL DECK (1705.2.2, SDI QA/QC)
3. OPEN-WEB STEEL JOISTS AND JOIST GIRDERS (TABLE 1705.2.3)
4. COLD-FORMED STEEL TRUSSES SPANNING 60 FEET OR GREATER (1705.2.4)
5. CONCRETE CONSTRUCTION (TABLE 1705.3)
6. WELDING OF REINFORCING BARS (AWS D1.4)
7. MASONRY CONSTRUCTION (TMS 402/ACI 530/ASCE 5 AND TMS 602/ACI 530.1/ASCE 6) PROVIDE LEVEL _____ QUALITY ASSURANCE
8. EMPIRICALLY DESIGNED MASONRY, GLASS UNIT MASONRY AND MASONRY VENEER IN RISK CATEGORY IV (TMS 401/ACI 530/ASCE 5, LEVEL B QUALITY ASSURANCE)
9. VERTICAL MASONRY FOUNDATION ELEMENTS (TMS401/ACI 530/ASCE 5 AND TMS 602/ACI 530/ASCE 6)
10. HIGH-LOAD DIAPHRAGMS (1705.5.1)
11. METAL-PLATE-CONNECTED WOOD TRUSSES (1705.5.2)
12. SOILS (TABLE 1705.6)
13. DRIVEN DEEP FOUNDATIONS (TABLE 1705.7)
14. CAST-IN-PLACE DEEP FOUNDATIONS (TABLE 1705.8)
15. HELICAL PILE FOUNDATIONS (1705.9)
16. STRUCTURAL INTEGRITY OF DEEP FOUNDATION ELEMENTS (1705.10)
17. FABRICATED ITEMS (1705.11)
18. SPECIAL INSPECTIONS FOR WIND RESISTANCE (1705.12)
 - A. STRUCTURAL WOOD (1705.12.1)
 - B. COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION (1705.12.2)
 - C. WIND-RESISTING COMPONENTS (1705.12.3)
19. SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE (1705.13)
 - A. STRUCTURAL STEEL (1705.13.1)
 - B. SEISMIC FORCE-RESISTING SYSTEMS (1705.13.1.1)
 - C. STRUCTURAL STEEL ELEMENTS (1705.13.1.2)
 - D. STRUCTURAL WOOD (1705.13.2)
 - E. COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION (1705.13.3)
 - F. DESIGNATED SEISMIC SYSTEMS (1705.13.4)
 - G. ARCHITECTURAL COMPONENTS (1705.13.5)
 - H. PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS (1705.13.6)
 - I. STORAGE RACKS (1705.13.7)
 - J. SEISMIC ISOLATION SYSTEMS (1705.13.8)
 - K. COLD-FORMED STEEL SPECIAL BOLTED MOMENT FRAMES (1705.13.9)
20. TESTING FOR SEISMIC RESISTANCE (1705.14)
21. SPRAYED FIRE-RESISTANT MATERIALS (1705.15)
22. MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS (1705.16)
23. EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS 1705.17)
24. FIRE-RESISTANT PENETRATIONS AND JOINTS (1705.18)
25. TESTING FOR SMOKE CONTROL (1705.19)
26. SEALING OF MASS TIMBER (1705.20)
27. OTHER INSPECTIONS AS REQUIRED BY THE DESIGN PROFESSIONAL OR THE BUILDING OFFICIAL (1705.1.1).

CONCRETE REINFORCEMENT LAP SPLICES

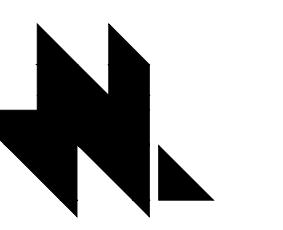
SPLICE LENGTH (IN.) $f'_c = 4,000$ PSI

LOCATION	REINFORCEMENT SIZE								
	#3	#4	#5	#6	#7	#8	#9	#10	#11
TOP	24	32	40	48	70	80	91	102	113
OTHER	20	25	31	38	55	62	70	79	87

1. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE BASED ON ACI 318-19, SECTIONS 25.4.2 AND 25.5.2 RESPECTIVELY. TABULATED VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT AND CONCRETE COVER MEETING MINIMUM CODE REQUIREMENTS.
2. LAP SPLICE LENGTHS SHOWN ARE FOR CLASS B AND CASE 1.
3. TOP REINFORCEMENT IS HORIZONTAL REINFORCEMENT THAT HAS MORE THAN TWELVE INCHES OF FRESH CONCRETE CAST BELOW IT. THIS INCLUDES HORIZONTAL REINFORCEMENT IN WALLS. ALL VERTICAL BARS ARE CONSIDERED AS "OTHER".
4. FOR LIGHTWEIGHT CONCRETE AGGREGATE CONCRETE, MULTIPLY TABULATED VALUES BY 1.3.
5. REINFORCEMENT IS ASSUMED TO BE UNCOATED OR GALVANIZED.
6. FOR BARS WITH COVER OF LESS THAN 1 BAR DIAMETER OR WITH CLEAR SPACING OF LESS THAN 2 BAR DIAMETERS, MULTIPLY TABULATED VALUES BY 2.0.

CONCRETE

1. CONSTRUCT CONCRETE ACCORDING TO ACI 318 (LATEST VERSION).
2. DETAIL, FABRICATE, AND INSTALL REINFORCING STEEL ACCORDING TO "MANUAL OF STANDARD PRACTICE OF REINFORCED CONCRETE CONSTRUCTION" BY CONCRETE REINFORCING STEEL INSTITUTE (CRSI).
3. GENERAL
 - A. DO NOT PLACE PIPES OR DUCTS IN CONCRETE SLABS OR WALLS UNLESS SPECIFICALLY DETAILED.
 - B. REFER TO ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL AND MECHANICAL DRAWINGS FOR ALL MOLDS, GROOVES, ORNAMENTS, CLIPS AND GROUNDS TO BE CAST IN CONCRETE.
 - C. DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO FACE OF MAIN BARS AND DENOTE CLEAR COVERAGE.
4. SUBMIT CONCRETE PLACEMENT PLAN TO ENGINEER 48 HOURS PRIOR TO EACH CONCRETE PLACEMENT.
5. CONCRETE MIX DESIGN: PREPARED BY INDEPENDENT LABORATORY AND APPROVED BY ENGINEER OF RECORD.
6. CONCRETE
 - A. STRUCTURAL CONCRETE
 - a. MINIMUM COMPRESSIVE STRENGTH: 4,000 PSI.
 - b. CEMENT: ASTM C-150, TYPE II.
 - c. MAXIMUM WATER-CEMENT RATIO: 0.45.
 - B. CONCRETE EXPOSED TO EXTERIOR CONDITIONS: AIR ENTRAINED TO 5%-7% AIR CONTENT.
 - C. CONCRETE AGGREGATES: NATURAL SAND AND ROCK AGGREGATES CONFORMING TO ASTM C-33 (3/4" MAX).
 - D. REINFORCING FIBERS:
 - A. NOT REQUIRED UNLESS INDICATED ON DRAWINGS.
 - C. MACRO-SYNTHETIC FIBERS CONFORMING TO ASTM C1116.
 - D. DOSAGE RATE: 4 POUNDS PER CUBIC YARD.
 - E. REINFORCING STEEL: ASTM A615 GRADE 60 UNO.
 - F. WIRE FABRIC: ASTM A-185.
 - G. WELDING OF REINFORCING STEEL: CONFORM TO AWS D1.4 USING PROPER LOW HYDROGEN ELECTRODES. DO NOT TACK WELD TO REBAR. SEE REBAR WELDING NOTE.
 - H. CONCRETE CLEAR COVERAGE, UNO:
 - A. CONCRETE PLACED AGAINST FORMS (INCLUDING CONCRETE TO BE BACKFILLED): 2"
 - B. CONCRETE PLACED AGAINST GROUND: 3"
 - C. SLABS (ON GROUND): CENTER BAR IN SLAB.
 - I. PROVIDE CLASS B LAP SPLICE UNO. SEE TABLE "ACI TENSION LAP SPLICE LENGTHS".
 - J. LAP SPLICE WELDED WIRE FABRIC TWO SQUARES MIN. EACH DIRECTION.
 - K. CONSTRUCT CONSTRUCTION JOINTS ROUGH, OR ROUGHEN JOINTS BY CHIPPING ENTIRE SURFACE, SANDBLASTING, OR HOSING SURFACE 4 TO 6 HOURS AFTER PLACEMENT WITH FINE SPRAY. REMOVE ALL LAITANCE FROM SURFACE.
 - L. REMOVE ALL DEBRIS FROM FORMS BEFORE PLACING ANY CONCRETE.
 - M. SECURELY POSITION REINFORCING DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE BEFORE PLACING CONCRETE (WET SETTING IS PROHIBITED).
 - N. OBTAIN APPROVAL OF ALL AFFECTED TRADES PRIOR TO PLACING CONCRETE.
 - O. MAXIMUM FREE FALL OF CONCRETE: 5'-0".
 - P. DO NOT USE WOOD SPREADERS. DO NOT USE WOOD STAKES IN AREAS TO BE CONCRETED.
 - Q. DRILL THROUGH STEEL COLUMNS AND BEAMS TO PASS CONTINUOUS REINFORCING (1" DIA. MAX).
 - R. FOLLOW ACI HOT OR COLD WEATHER PLACEMENT RECOMMENDATIONS FOR CONCRETE PLACEMENT AND CURING.
 - S. EXERCISE SPECIFIC CARE DURING PLACEMENT AND CURING OF CONCRETE SLABS AND EXPOSED CONCRETE FINISHES.



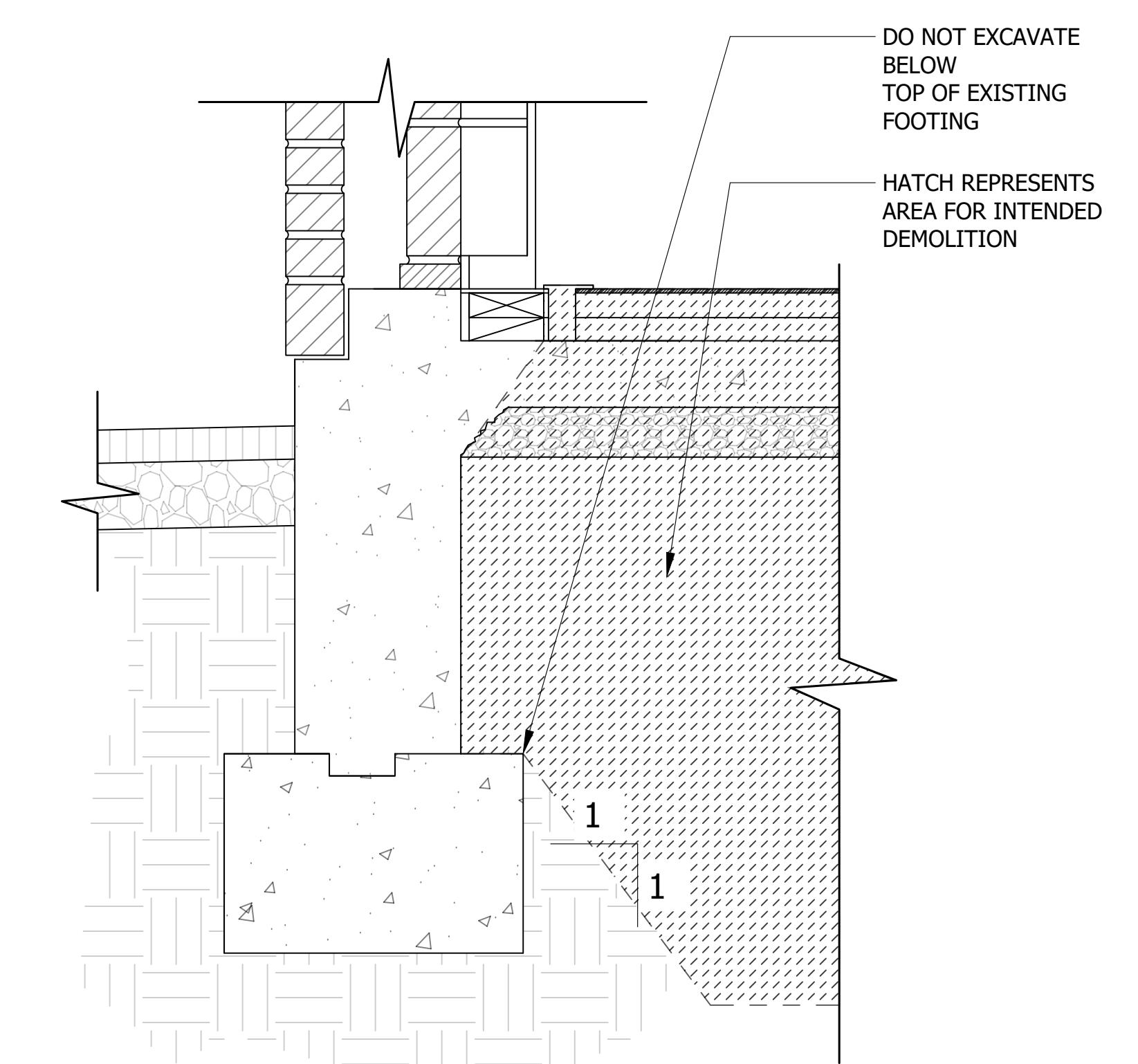
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DEMOLITION KEY NOTES

- ① REMOVE AND DISCARD EXISTING WOOD FLOOR, SLEEVES. REMOVE AND DISCARD 5" SLAB ON GRADE
- ② DEMO ALL ASSOCIATED BLOCKING, FLOOR TO EXISTING CONCRETE SLAB. ADJACENT WALLS THAT REMAIN SHOULD BE KEPT FREE FROM DAMAGE. IF DAMAGED OCCURS, PATCH AND REPAIR, FINISH TO MATCH EXISTING FINISH.
- ③ CAREFULLY REMOVE ALL EXISTING THRESHOLDS AT DOORS, FOR REINSTALLATION. SURROUNDING FLOOR SHOULD BE KEPT FREE FROM DAMAGE. EXISTING DOOR JAMB AND SLAB SHOULD BE KEPT FREE FROM DAMAGE.
- ④ EXISTING BLEACHERS TO BE PROTECTED FROM DUST AND DEBRIS. ALL ASSOCIATED ANCHORS CAN BE DETACHED AS NEEDED TO MOVE AROUND FOR INSTALLATION OF NEW FLOOR.
- ⑤ BASKETBALL STANDARDS TO BE PROTECTED FROM DEMOLITION.
- ⑥ ALL EXISTING INTERIOR SIDE OF WALLS TO BE PROTECTED. IF DAMAGED PATCH AND REPAIR, FINISH TO MATCH ALL EXISTING FINISHES.
- ⑦ PROTECT DOORS AND METAL FRAMES FROM DEBRIS AND DUST.



B3 EXISTING FLOOR AND SUBGRADE FOR DEMOLITION TYPICAL
Scale: 1 1/2" = 1'

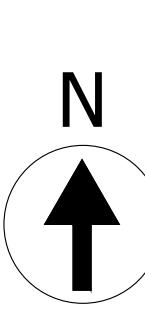
MONT HARMON SLAB REMEDIATION

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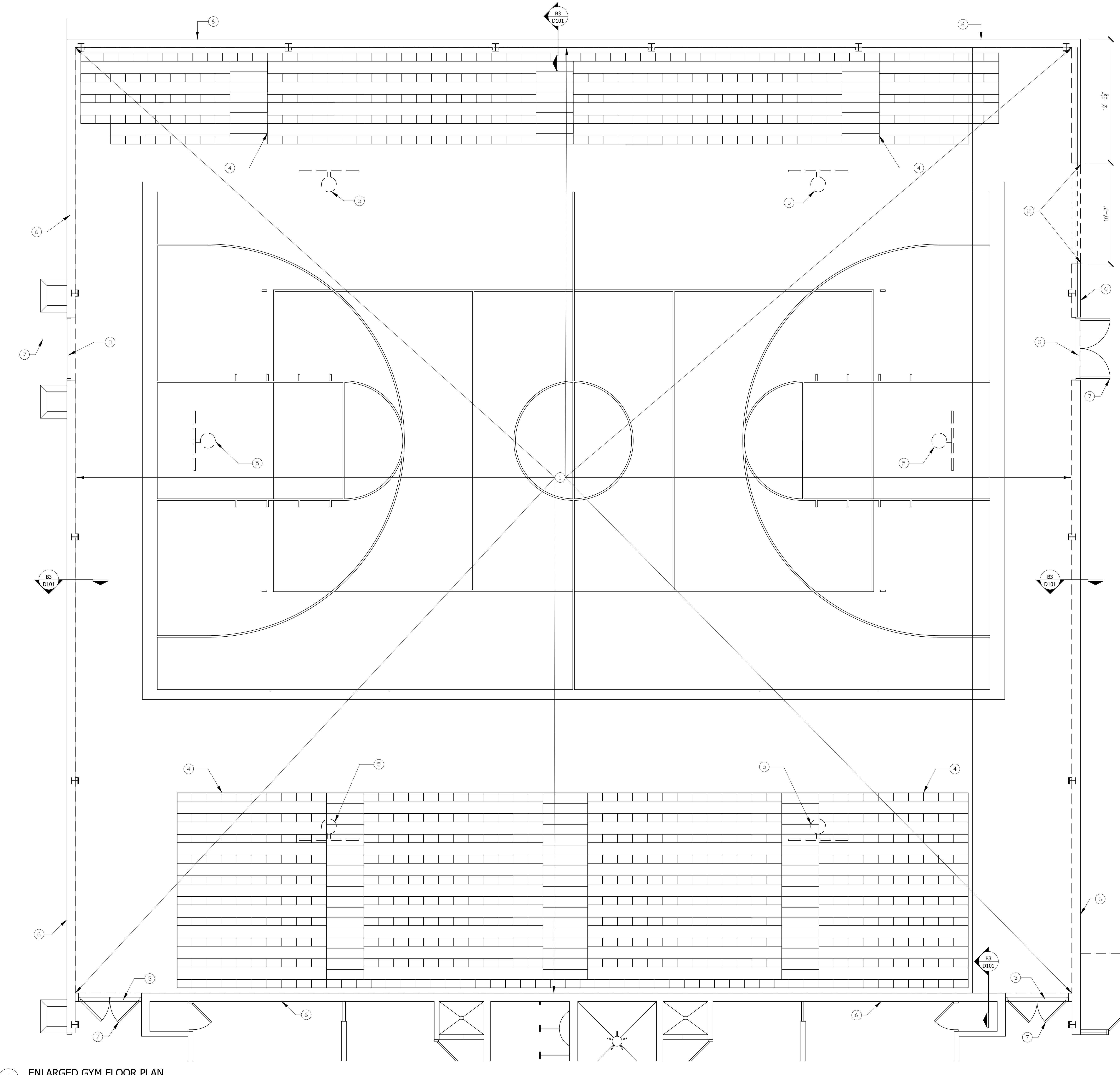
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GYMNASIUM
DEMOLITION PLAN

D101



1



2

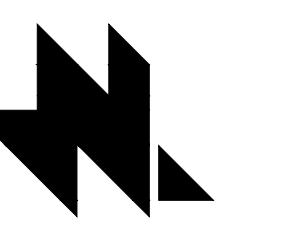
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1



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FINISH FLOOR PLAN KEY NOTES

- ① BLEACHER SYSTEMS TO BE REPLACED EXACTLY AS WERE FOUND.
- ② DOOR OPENING AT THE CORRECT DIMENSION FROM EXTERIOR SIDE OF THE NORTH WALL.
- ③ COURT STRIPING/GRAPHIC LOGOS TO MATCH FINISH FLOOR PLAN.

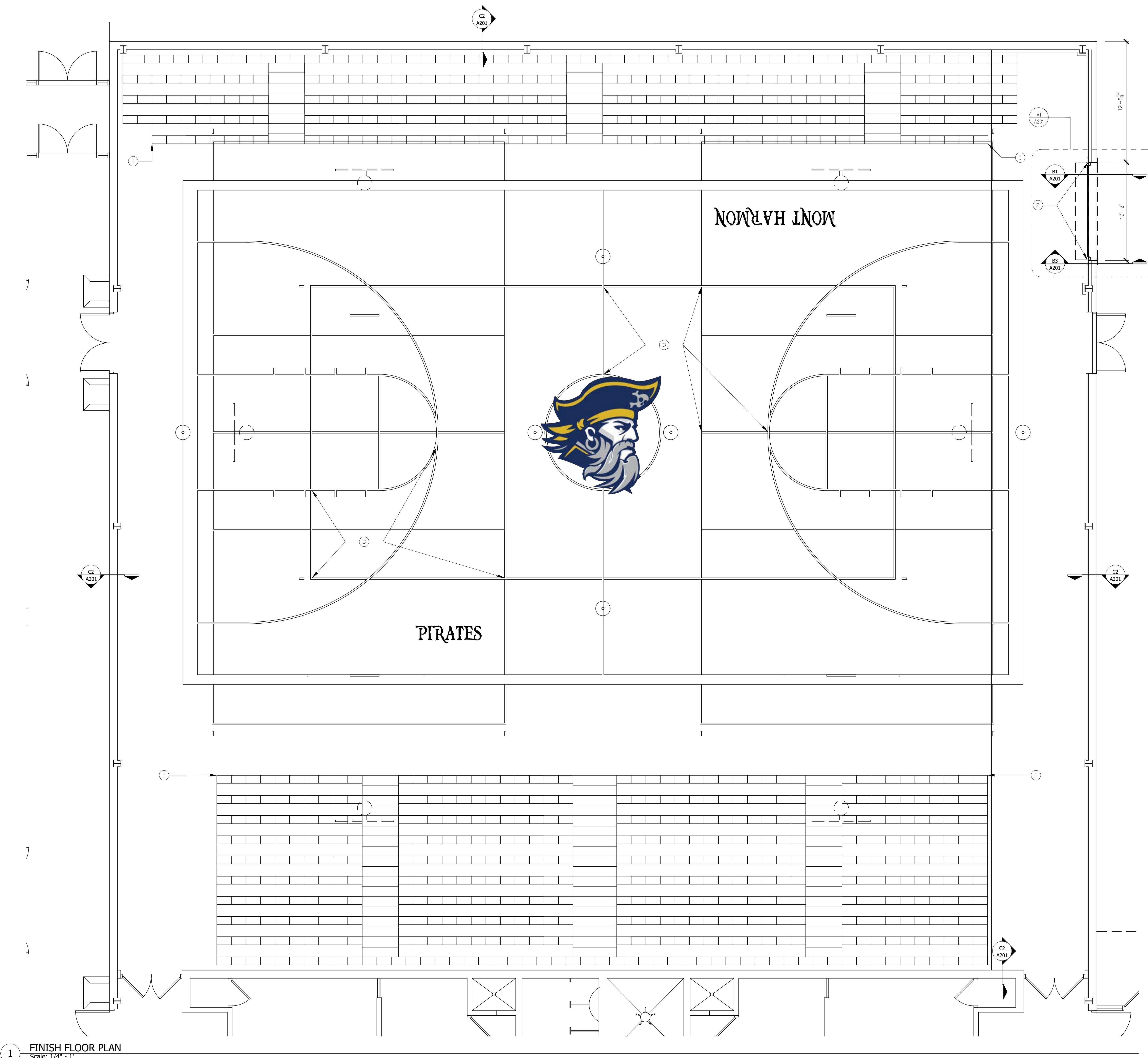
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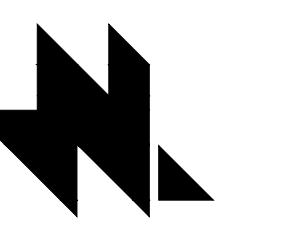
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FINISH FLOOR
PLAN

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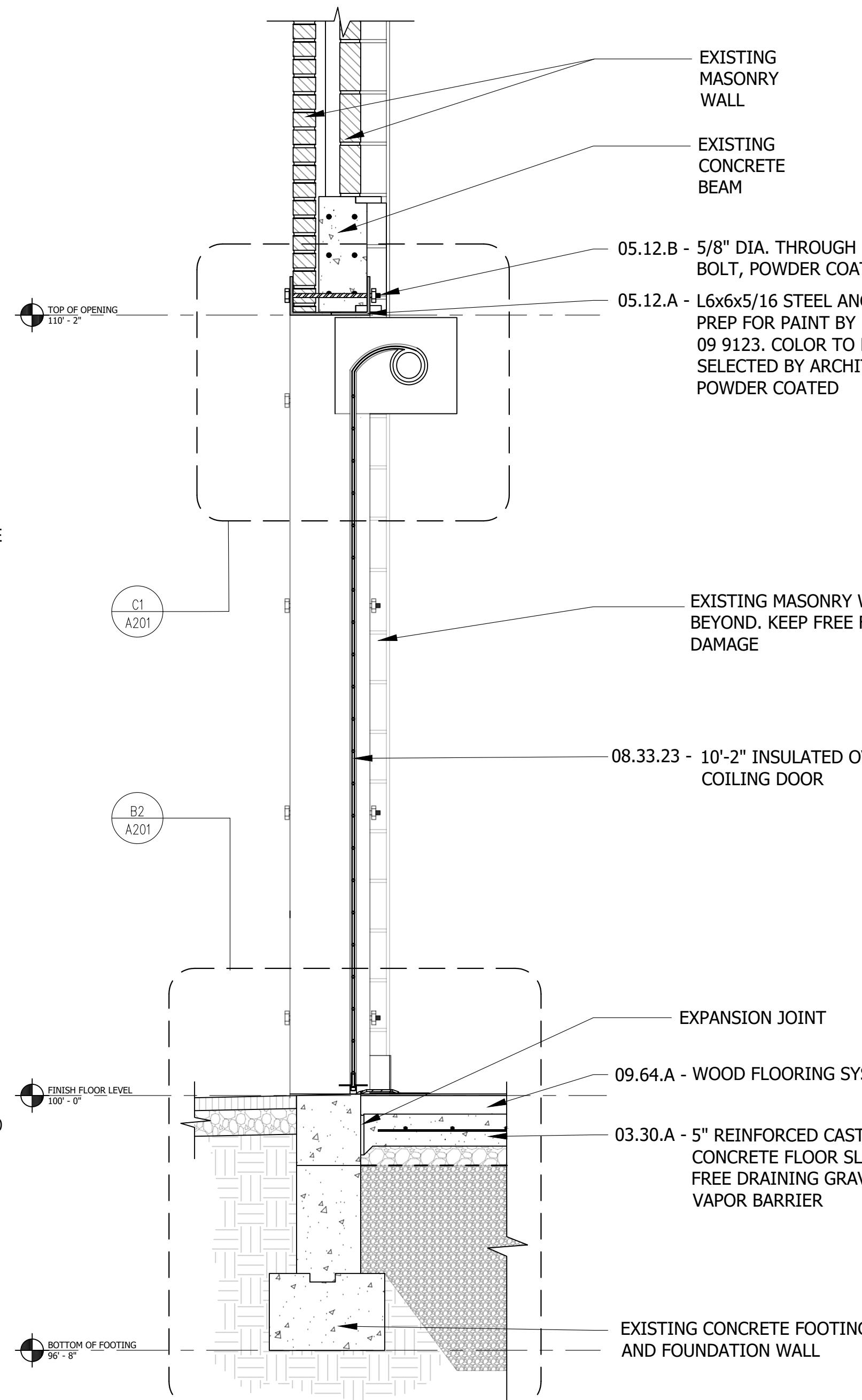
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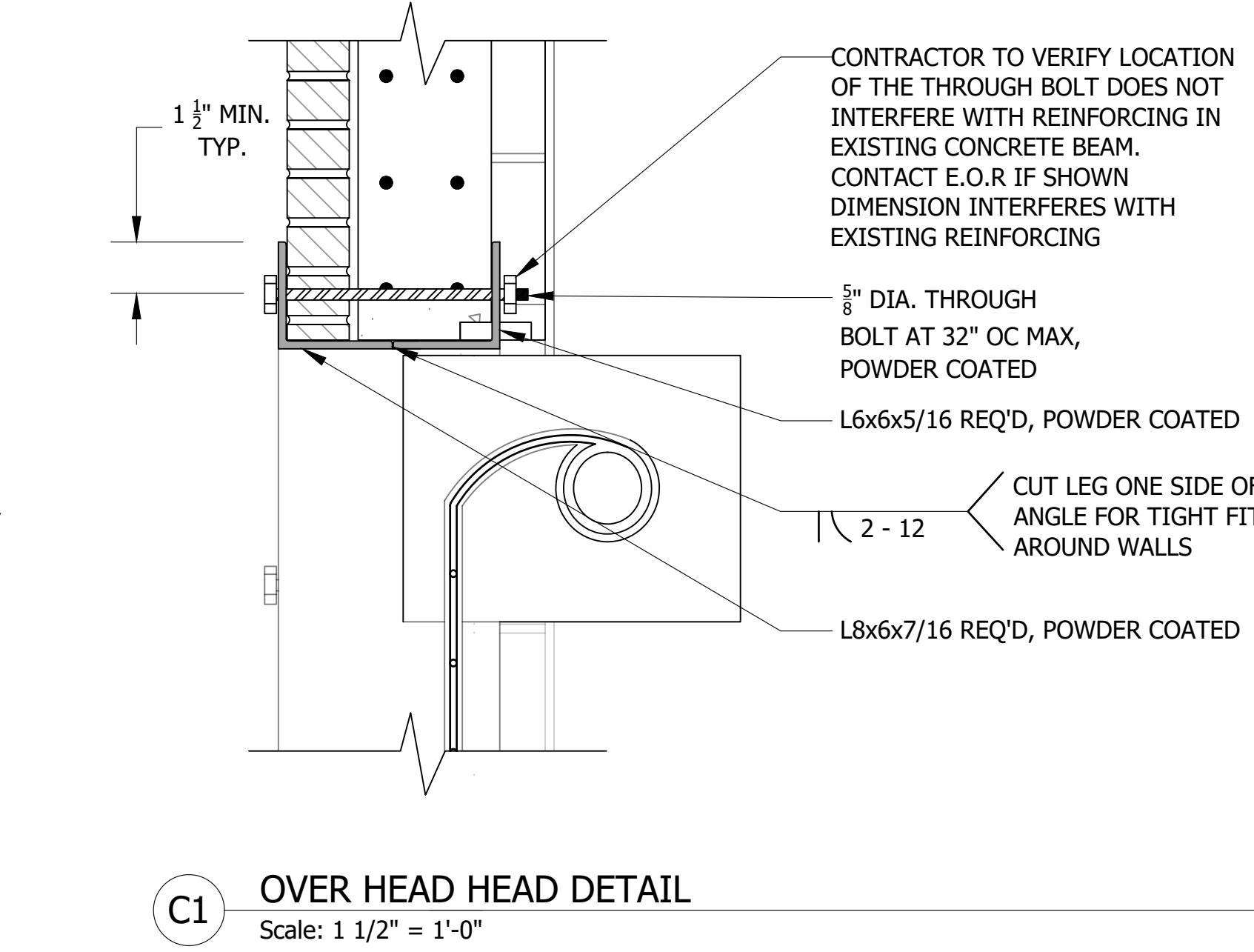
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DETAILS

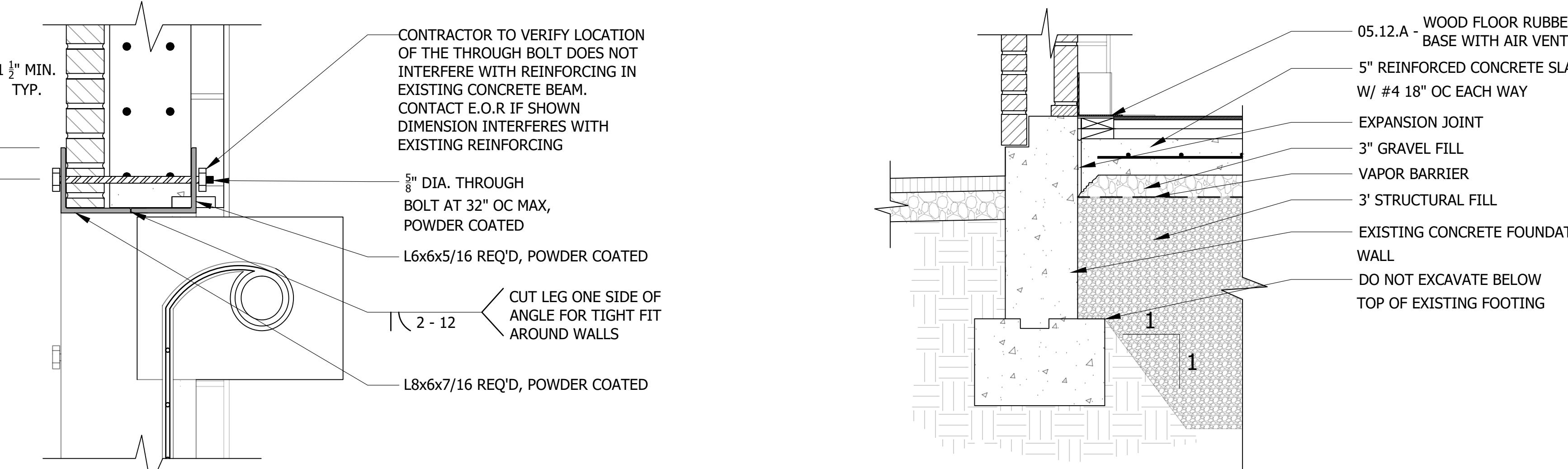
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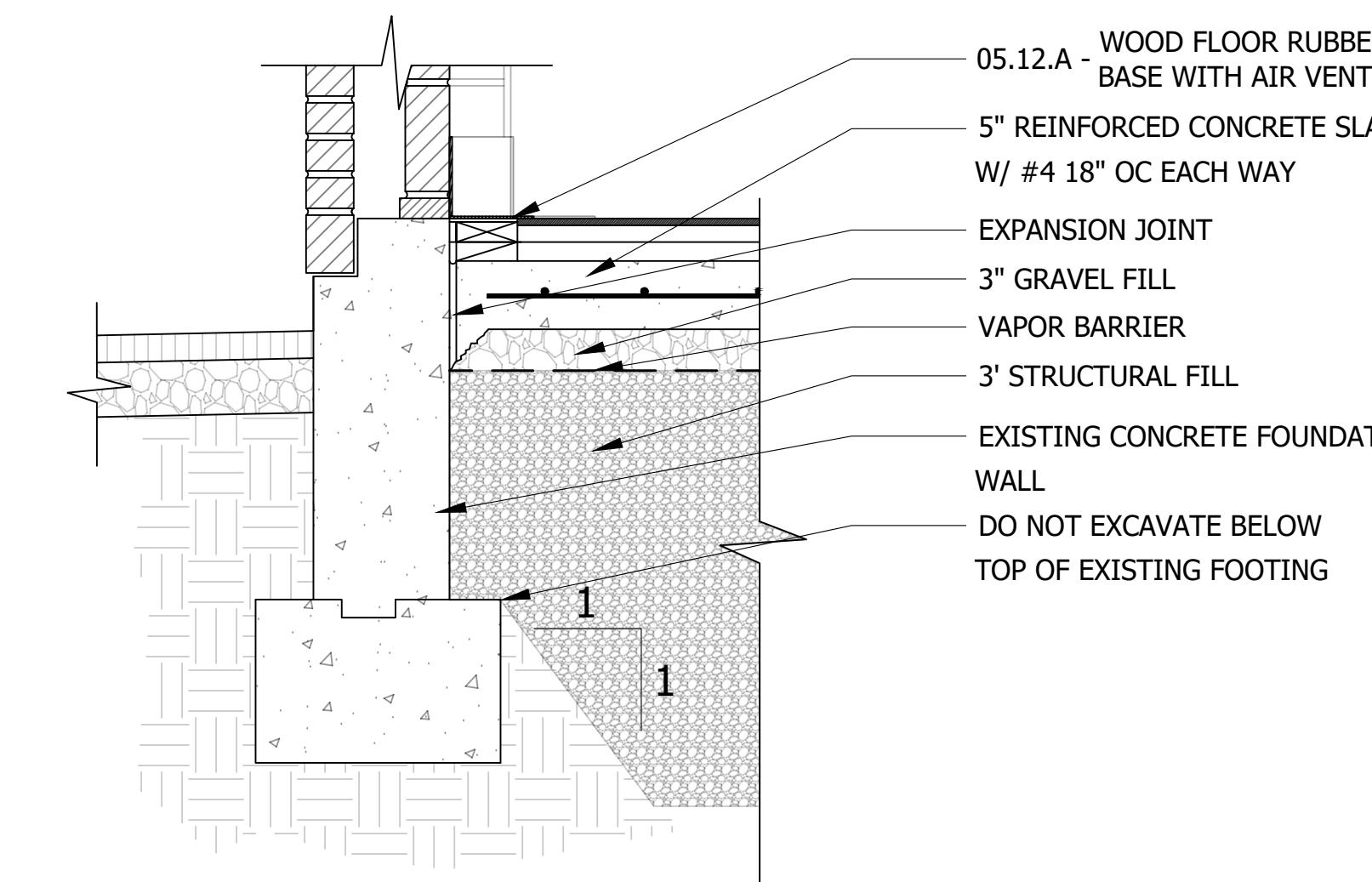
B1 WALL SECTION
Scale: 3/4" = 1'-0"



C1 OVER HEAD HEAD DETAIL
Scale: 1 1/2" = 1'-0"

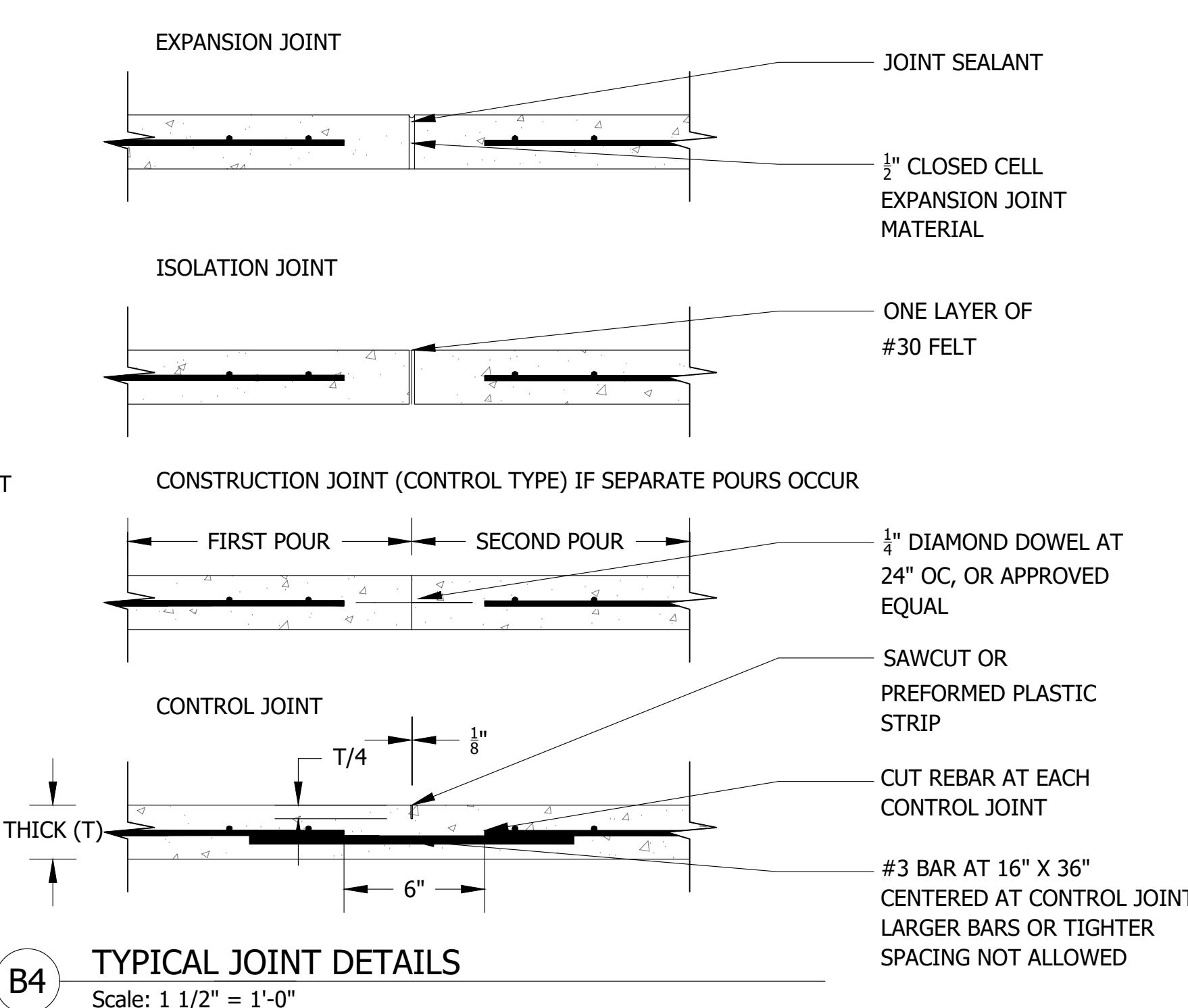


B2 OVER HEAD SILL DETAIL
Scale: 1 1/2" = 1'-0"

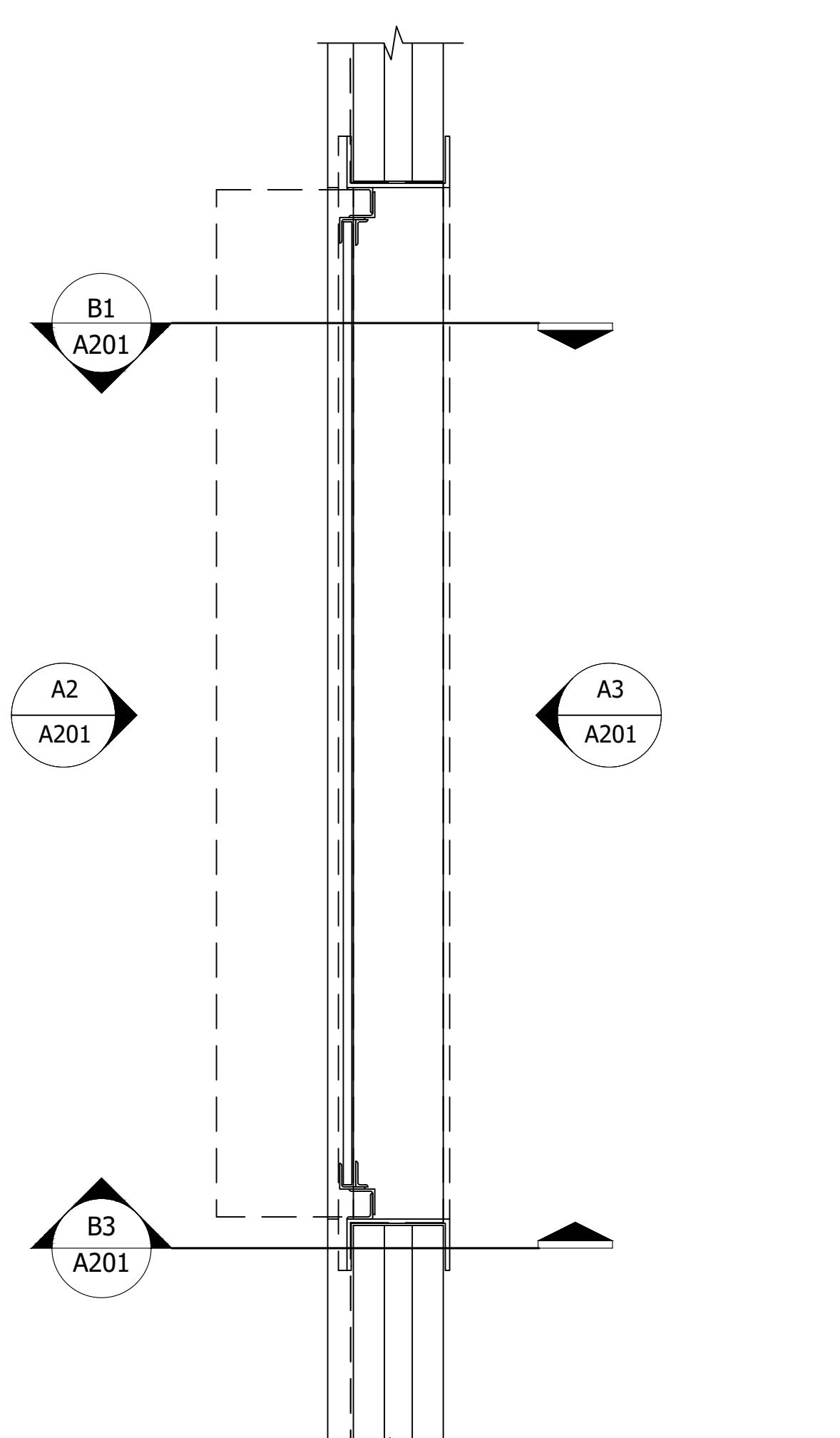


B3 JAMB DETAIL
Scale: 3" = 1'-0"

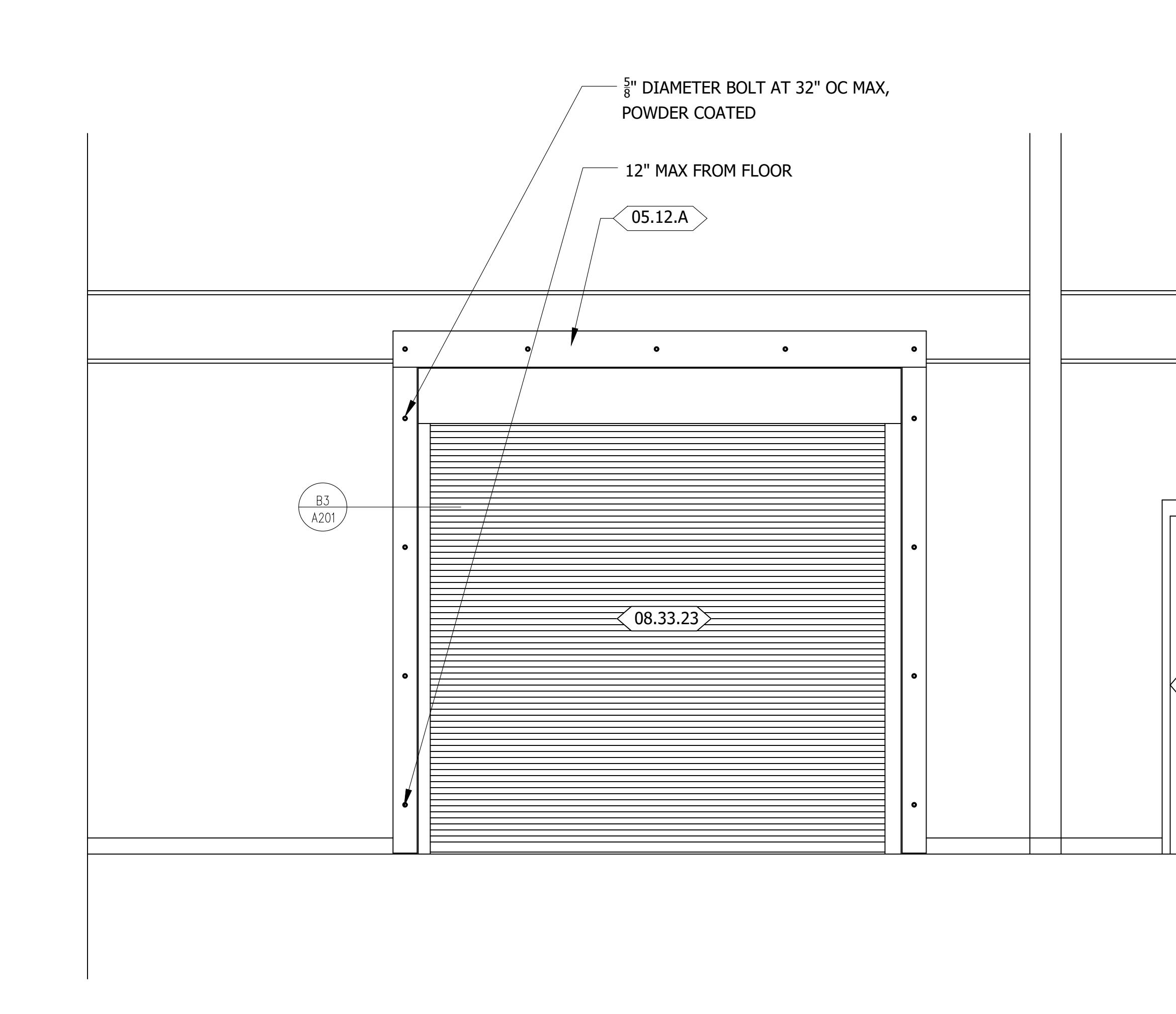
KEY VALUE	NOTE
03.30.A	5" POWDER COATED REINFORCED CONCRETE ON 4" DRAINING GRAVEL W/ VAPOR BARRIER
05.12.A	L6x6x5/16 STEEL ANGLE. POWDER COATED COLOR TO BE SELECTED BY ARCHITECT
05.12.B	5/8" DIA. THROUGH BOLT, POWDER COATED
07.92.A	CONTINUOUS ELASTOMERIC SELANT
08.33.23	10'-2" INSULATED OVERHEAD COILING DOOR
08.33.A	4" ALUMINUM THRESHOLD



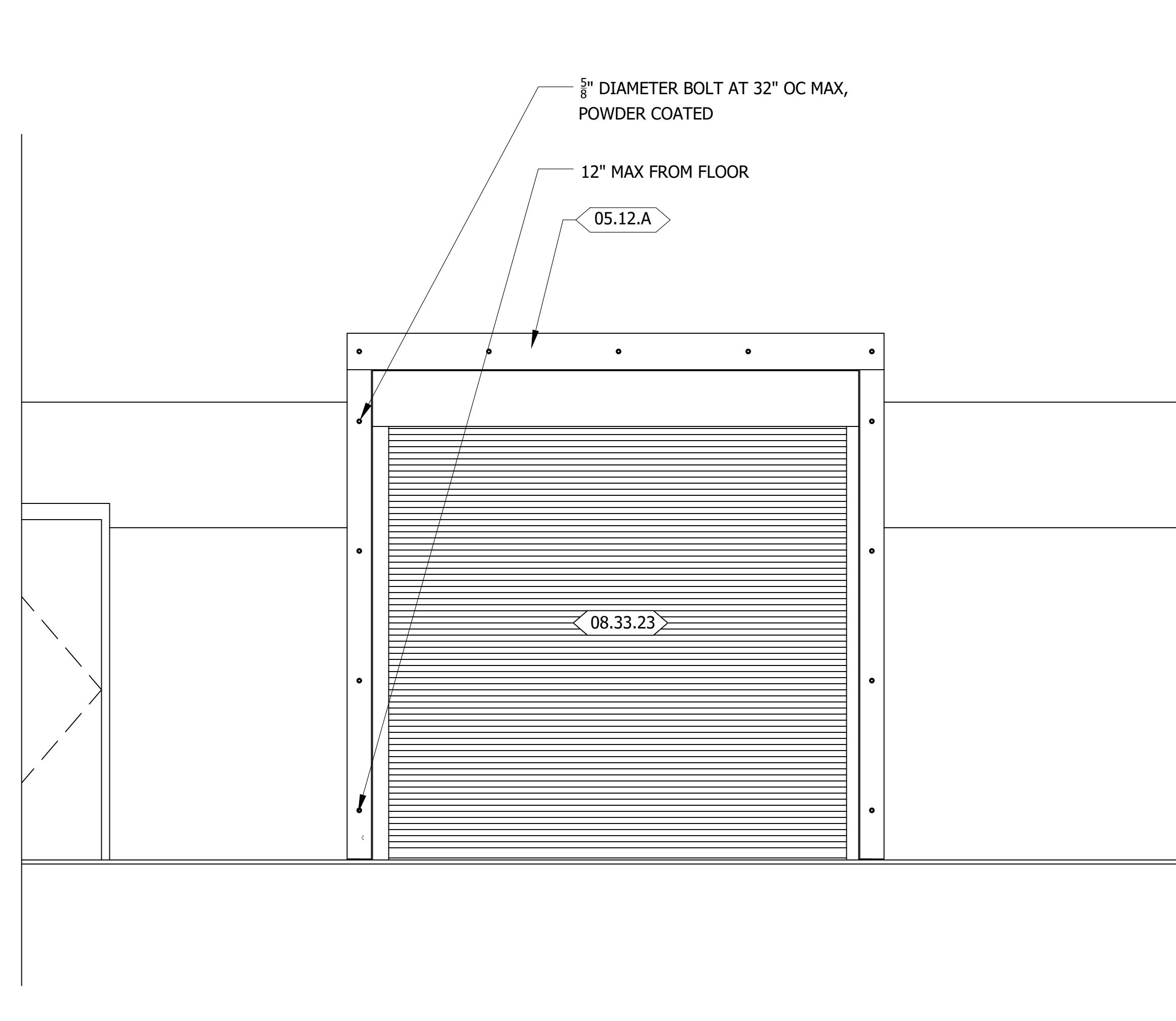
B4 TYPICAL JOINT DETAILS
Scale: 1 1/2" = 1'-0"



A1 ENLARGED PLAN OF OPENING
Scale: 1/2" = 1'-0"



A2 INTERIOR ELEVATION
Scale: 1/2" = 1'-0"



A3 EXTERIOR ELEVATION
Scale: 1/2" = 1'-0"