



ADDENDUM NO. 1 - OUTLINE AND SUMMARY INFORMATION

Project Name: Renne Library Loading Dock Renovation PPA No.: 19-0210
Date: February 22, 2021

To: *All Plan Holders of Record*

*The Plans and Specification prepared by **Morrison Maierle, Inc.** dated **2/1/2021** shall be clarified and added as follow. The bidder proposes to perform all the following clarifications or changes. It is understood that the Base Bid shall include any modification of Work or Additional Work that may be required by reason of the following change or clarifications.*

The Bidders are to acknowledge the receipt of this Addendum by inserting its number and date into their Bid Forms. Failure to acknowledge may subject the Bidder to disqualification and rejection of the bid. This Addendum forms part of the Contract Documents as if bound therein and modifies them as follows:

I. PRIOR APPROVALS

A.Not applicable.

II. AMENDMENTS TO THE PROJECT MANUAL

A. ...**Revision to Invitation to Bid: New Bid Opening Date: March 4, 2021 at 2:00 PM**

III. AMENDMENTS TO THE DRAWINGS

Sheet SD1.0

1. Lighting and conduit – See revised structural plans attached.

Sheet SD1.3

1. New sheet added – See revised structural plans attached.

Sheet S1.0

1. Lighting and conduit – See revised structural plans attached.

IV. GENERAL INFORMATION

A.None

V. ATTACHMENTS

A.Drawings as indicated above

100% CONSTRUCTION DOCUMENTS

MONTANA STATE UNIVERSITY

RENNE LIBRARY LOADING DOCK

PPA: 19-0210

02/01/2021

PREPARED BY:

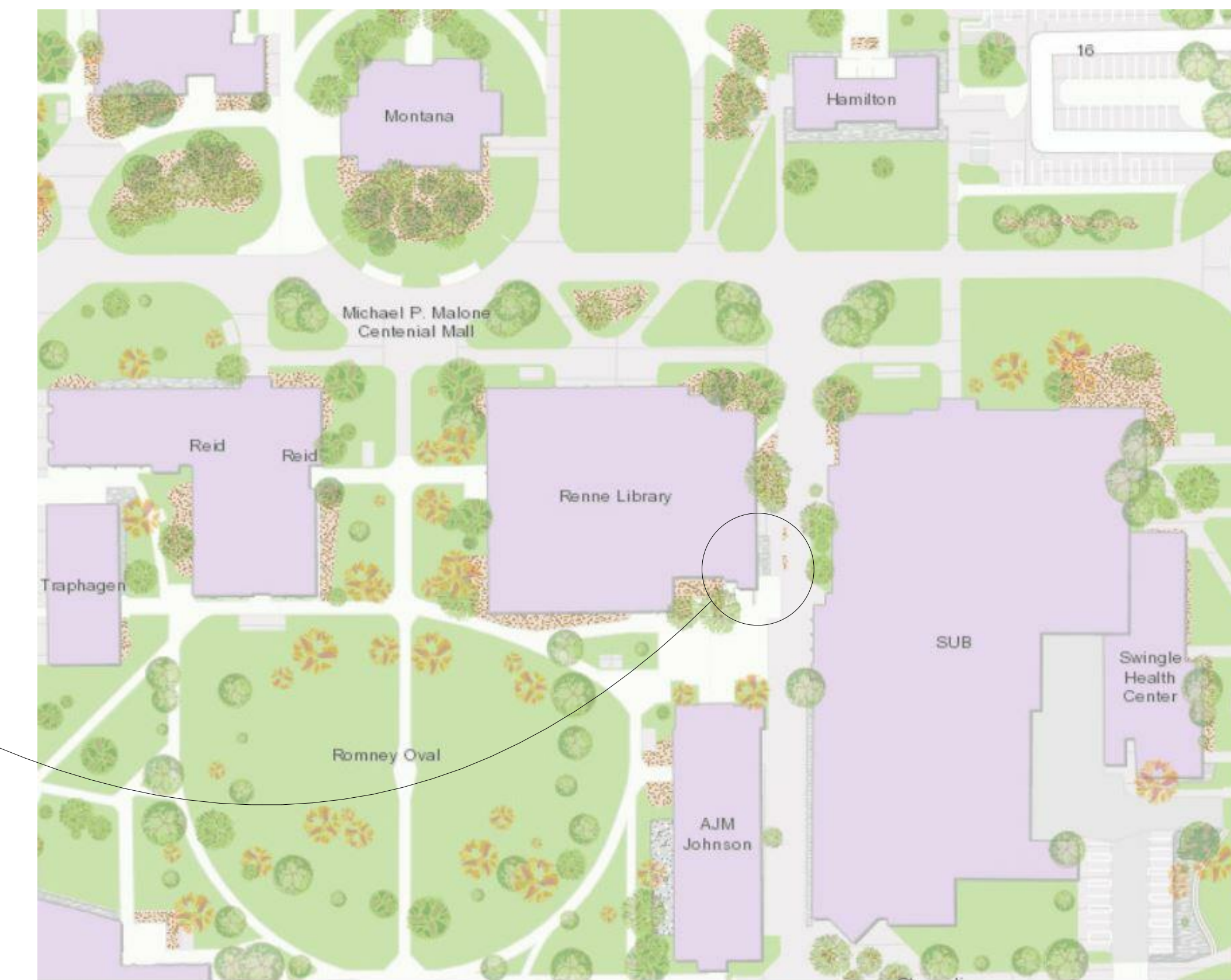
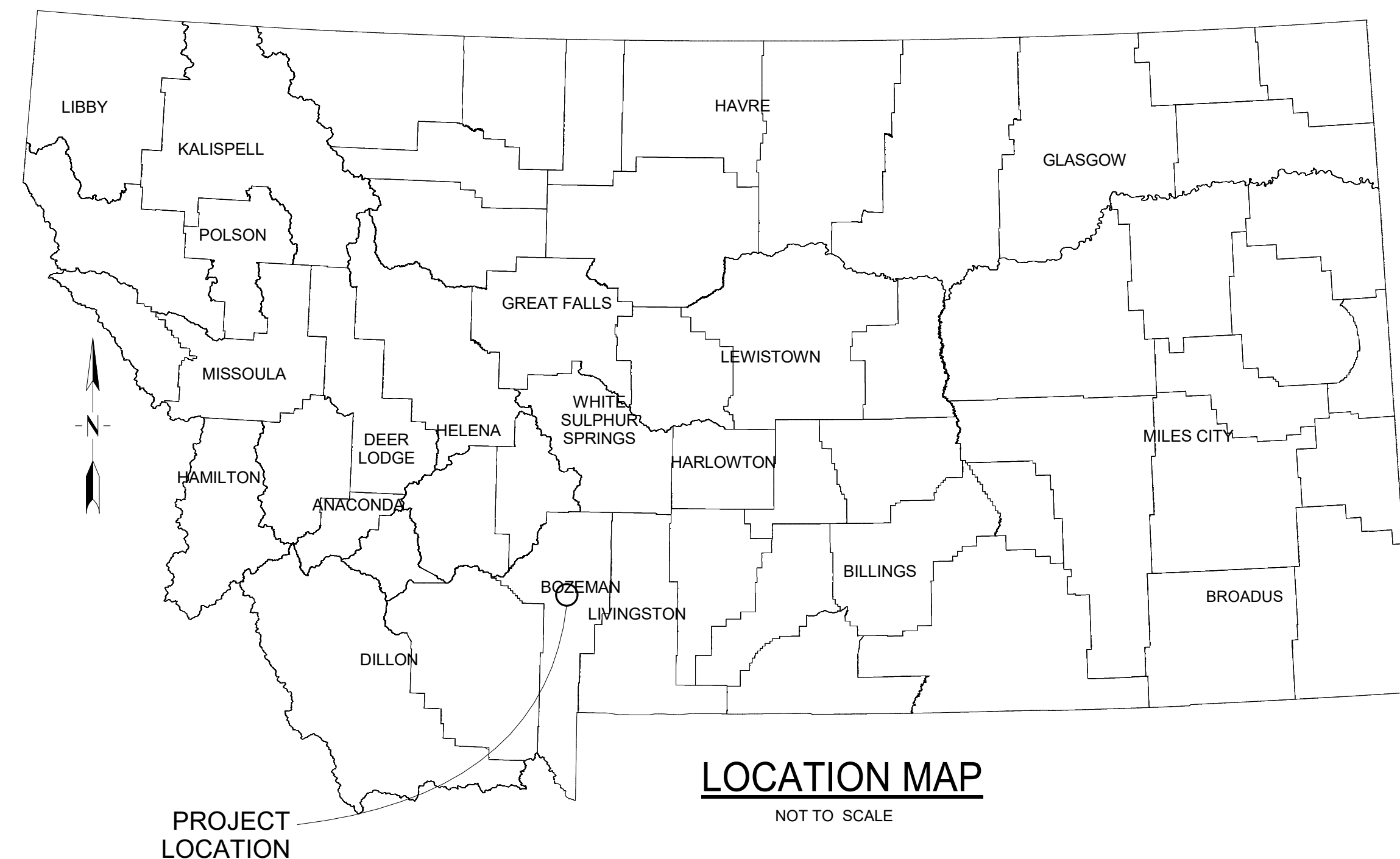


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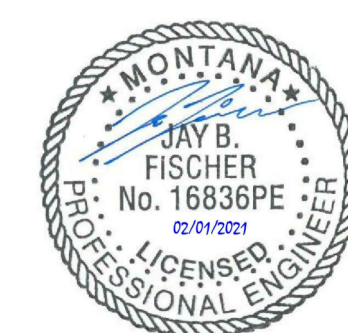


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SHEET LIST

- S0.0 PROJECT COVER PAGE
- S0.1 GENERAL STRUCTURAL NOTES
- S0.2 SPECIAL INSPECTIONS
- S0.2 STAGING AND ACCESS PLAN
- SD1.0 DEMO PLAN
- SD1.1 DEMO SECTIONS
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- S2.0 SLAB PLAN
- S2.0 SLAB DETAILS
- S2.2 SLAB SECTIONS



APPROVED BY:

JAY FISCHER, P.E.
STRUCTURAL ENGINEER



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GENERAL STRUCTURAL NOTES:

DESIGN CODES AND STANDARDS:

- 2018 INTERNATIONAL BUILDING CODE (IBC), 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
- ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- ACI 318-14 BUILDING CODE REQUIREMENTS FOR CONCRETE STRUCTURES

DESIGN LOADS:

- DEAD LOADS: CONCRETE SLAB = 4PSF + SELF WT
- LIVE LOADS: UNIFORM LIVE LOAD = 125 PSF (LIGHT STORAGE)
- SNOW LOADS: FLAT ROOF SNOW LOAD, $P_f = 40$ PSF (CITY OF BOZEMAN MIN.)
 - GROUND SNOW LOAD, $P_g = 46$ PSF (CITY OF BOZEMAN MIN.)
 - SNOW EXPOSURE FACTOR, $C_e = 1.0$ (BASED ON EXPOSURE CATEGORY C)
 - SNOW LOAD IMPORTANCE FACTOR, $I_s = 1.0$
 - THERMAL FACTOR, $C_t = 1.0$
- WIND LOADS: ULTIMATE DESIGN WIND SPEED (3-SECOND GUST), $V_{ult} = 115$ MPH
 RISK CATEGORY = II
 WIND EXPOSURE = B
 INTERNAL WIND PRESSURE COEFFICIENT = ± 0.18
 WIND IMPORTANCE FACTOR = 1.0
- SEISMIC LOADS: SEISMIC DESIGN CATEGORY = D
 RISK CATEGORY = II
 SEISMIC IMPORTANCE FACTOR = 1.0
 MAPPED ACCELERATION PARAMETER: $S_S = 0.671, S_1 = 0.214$
 SOIL SITE CLASS = D
 DESIGN SPECTRAL ACCELERATION PARAMETER, $S_{DS} = 0.569, S_{D1} = 0.314$
 DESIGN BASE SHEAR: 7.3K
 SEISMIC RESPONSE COEFFICIENT, $C_s = 0.1138$
 RESPONSE MODIFICATION FACTOR, $R = 5$

 ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
 BASIC SEISMIC-FORCE-RESISTING SYSTEM: ORDINARY REINFORCED CONCRETE SHEARWALLS
- SOIL LOADS
 LATERAL EARTH PRESSURE (EQUIV. FLUID WT.) = 60 PCF
 FRICTION COEFFICIENT BETWEEN FOOTING BASE AND SUPPORTING SOIL = 0.45
 LATERAL EARTH BEARING RESISTANCE (PASSIVE) = 200 PSF/FT.

MISCELLANEOUS:

- STRUCTURAL DRAWINGS SHALL BE USED FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BIDDING AND CONSTRUCTION.
- DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER OF RECORD.
- EXISTING BUILDING/SITE DIMENSIONS AND ASSUMED CONDITIONS ARE TO BE VERIFIED IN THE FIELD AND ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL DISCREPANCIES WHICH REQUIRE A SIGNIFICANT CHANGE IN THE DESIGN AND/OR CONSTRUCTION FROM THAT SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL CHECK AND COORDINATE WITH THE OWNER FOR BLOCKOUTS, CONDUIT, PIPE SLEEVES, EMBEDDED ITEMS, ETC. TO BE EMBEDDED IN CONCRETE AND MASONRY, AS WELL AS OPENINGS IN STRUCTURE FOR MECHANICAL AND ELECTRICAL INSTALLATIONS. STRUCTURAL DRAWINGS SHOW THIS INFORMATION FOR COORDINATION PURPOSES ONLY.
- ENGINEER SHALL REVIEW SHOP DRAWINGS ONLY FOR THE CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND FOR COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. DIMENSIONS AND QUANTITIES NOTED ON THE SHOP DRAWINGS ARE NOT GUARANTEED BY THE ENGINEER, AND THEREFORE, MUST BE VERIFIED BY THE GENERAL CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR INFORMATION THAT PERTAINS TO THE FABRICATION PROCESSES OR TO TECHNIQUES OF CONSTRUCTION. SHOP DRAWINGS MUST BE REVIEWED, STAMPED, AND SIGNED BY THE CONTRACTOR PRIOR TO THE REVIEW BY THE ENGINEER.
- THE STRUCTURE SHALL BE ADEQUATELY BRACED FOR SOIL, WIND, EARTHQUAKE AND CONSTRUCTION LOADS UNTIL ALL FLOOR, ROOF, AND WALL UNITS HAVE BEEN PERMANENTLY ATTACHED THERETO.
- CONTRACTOR IS RESPONSIBLE FOR EXPORTING ALL DEMO MATERIALS OFF-SITE AND THEIR DISPOSAL.

EARTHWORK:

- DATA ON INDICATED SUBSURFACE CONDITIONS ARE NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF CONTINUITY OF SUCH CONDITIONS. IT IS EXPRESSLY UNDERSTOOD THAT OWNER AND ENGINEER WILL NOT BE RESPONSIBLE FOR INTERPRETATIONS OR CONCLUSIONS DRAWN THEREFROM BY THE CONTRACTOR. THE DATA ARE MADE AVAILABLE FOR CONVENIENCE OF THE CONTRACTOR.
- STABILITY OF CONSTRUCTION EXCAVATION AND WORKER SAFETY ARE THE RESPONSIBILITY OF THE CONTRACTOR. BASED UPON THE GEOTECHNICAL REPORT, TEMPORARY CONSTRUCTION EXCAVATIONS, ABOVE GROUNDWATER, TO BE PLANNED IN ACCORDANCE WITH OSHA PROVISIONS SHOULD ASSUME TYPE B MATERIAL FOR STIFF CLAY, AND TYPE C MATERIAL FOR SAND.
- GROUNDWATER MAY BE PRESENT DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DEWATERING.
- KEEP EXCAVATIONS FREE OF STANDING WATER. REMOVE AND REPLACE MATERIAL THAT IS NOT WITHIN 3% OF OPTIMUM MOISTURE PRIOR TO PLACING ADDITIONAL FILL OR CONCRETE.
- PROPER DRAINAGE SHALL BE MAINTAINED DURING CONSTRUCTION TO KEEP SURFACE RUNOFF FROM ENTERING THE EXCAVATIONS AND DIRECTED AWAY FROM THE STRUCTURE.
- ALL EXCAVATION IS UNCLASSIFIED, REGARDLESS OF THE MATERIAL ENCOUNTERED.
- COMPACTED, IMPORTED STRUCTURAL FILL IS REQUIRED BELOW SLABS. BACKFILL WITH 3/4" MINUS AND COMPACT SUBGRADE BELOW SLABS TO 95% OF ASTM D698 MAXIMUM DRY DENSITY. FILL ANY OVER-EXCAVATED OR EMBANKMENT AREAS BENEATH SLABS WITH IMPORTED STRUCTURAL FILL. PLACE FILL IN MAXIMUM LOOSE LAYERS 8" DEEP AND COMPACT TO 98% OF ASTM D698 MAXIMUM DRY DENSITY.
- WHERE DRAINAGE GRAVEL IS REQUIRED FOR SLAB SUPPORT, DRAINAGE GRAVEL SHALL BE PLACED 4 INCHES MINIMUM IN DEPTH AND COMPACTED TO MINIMUM 95% DRY DENSITY PER ASTM D-698. IMPORTED DRAINAGE GRAVEL SHALL CONFORM TO THE FOLLOWING GRADATION:

SCREEN OR SIEVE SIZE	PERCENT PASSING BY WEIGHT
3/4"	100
NO. 4	65
NO. 200	10 MAX.
- USE ONLY HAND OPERATED COMPACTION EQUIPMENT.
- DO NOT PLACE BACKFILL UNTIL ALL SUPPORTING STRUCTURES ARE IN PLACE AND CONCRETE WALLS AND SLABS HAVE ACHIEVED THE SPECIFIED 28-DAY COMPRESSIVE STRENGTH UNLESS OTHERWISE NOTED ON DRAWINGS.

CAST-IN-PLACE CONCRETE:

1. CONCRETE PROPERTIES (SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS):

CAST-IN-PLACE CONCRETE	FOOTINGS/FOUNDATION WALLS	SLABS ON GRADE/ ONE-WAY SLABS
MINIMUM 28 DAY COMPRESSIVE STRENGTH	4500 PSI	4500 PSI *
MAXIMUM WATER-CEMENT RATIO (BY WT.)	0.40	0.40
MAXIMUM AGGREGATE SIZE	1"	1 1/2"
PERCENT RANGE OF AIR CONTENT	6.5% ± 1.5%	6.5% ± 1.5% **
MAXIMUM SLUMP	4" ***	3" ***

** AIR CONTENT OF SLABS ON GRADE MAY BE REDUCED TO 2% MIN. IF THE SLAB WILL BE PROTECTED FROM FREEZE/THAW CYCLES DURING AND AFTER CONSTRUCTION.
 *** MAXIMUM SLUMP MAY BE INCREASED TO 8" W/ THE USE OF WATER-REDUCING ADMIXTURES TO MAINTAIN THE SPECIFIED W/C RATIO.

- ALL CONCRETE REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT FOR REINFORCING INDICATED AS REQUIRING WELDING, WHICH SHALL CONFORM TO ASTM A706, GR.60.
- CLEARANCE FOR REINFORCEMENT BARS, UNLESS SHOWN OTHERWISE, SHALL BE:
 WHEN PLACED ON GROUND: --- 3"
 EXPOSED TO WATER, WEATHER, INTERIOR DRY SURFACES:
 SLABS ----- 3/4"
 BACKFILL OR CONDENSATION: BEAMS ----- 1-1/2"
 #5 BAR OR SMALLER ----- 1-1/2"
 #6 BAR OR LARGER ----- 2" COLUMNS ----- 1-1/2"
 WALLS ----- 1"
- ALL BENDS, UNLESS OTHERWISE SHOWN, SHALL BE A 90 DEGREE STANDARD HOOK AS DEFINED IN THE LATEST EDITION OF ACI 318. DETAIL ALL REINFORCEMENT IN ACCORDANCE WITH ACI 315.
- ALL REINFORCEMENT LAPS, UNLESS OTHERWISE NOTED, SHALL BE AS FOLLOWS:

DETAIL OF REINFORCEMENT - LAP LENGTHS **										
BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11	
4500 PSI										
GR. 60	TOP BAR *	1'-7"	2'-1"	2'-7"	3'-1"	4'-6"	5'-2"	5'-10"	6'-7"	7'-3"
	OTHER BAR	1'-4"	1'-7"	2'-0"	2'-4"	2'-9"	3'-6"	4'-6"	5'-1"	5'-8"

* TOP BARS SHALL BE DEFINED AS ANY HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BAR, IN ANY SINGLE POUR. HORIZONTAL WALL BARS ARE CONSIDERED TOP BARS.

** INCREASE LAP LENGTHS SHOWN ABOVE BY 25% WHERE BARS ARE SPACED CLOSER THAN 6" O.C. OR WHERE EDGE OF BAR MEASURED IN DIRECTION OF SPACING IS LESS THAN 3" FROM FACE OF MEMBER.

- TOLERANCES IN PLACING REINFORCEMENT SHALL BE: +/- 3/8 IN. FOR MEMBERS WITH D LESS THAN 8 IN. +/- 1/2 IN. FOR MEMBERS WITH D GREATER THAN 8 IN. WHERE D IS THE DISTANCE FROM THE OPPOSITE FACE OF CONCRETE TO THE CENTER OF THE REINFORCING.
- PROVIDE SUPPORTS FOR REINFORCING AS SPECIFIED TO MAINTAIN BAR POSITION IN CONCRETE.
- DOWELS SHALL BE THE LENGTH INDICATED. DOWELS SHALL BE WIRED IN POSITION PRIOR TO POURING CONCRETE.
- AT ALL FOUNDATION/CONCRETE WALL AND FOOTING CORNERS AND WALL INTERSECTIONS, CORNER BARS SHALL BE PROVIDED TO MATCH THE HORIZONTAL BARS.
- UNLESS INDICATED OTHERWISE, ALL ANCHOR BOLTS, HOLDOWNS AND OTHER REQUIRED ACCESSORIES SHALL BE WIRED IN PLACE PRIOR TO FOUNDATION INSPECTION AND CONCRETE PLACEMENT. DO NOT STAB THE ABOVE LISTED ITEMS INTO FRESH CONCRETE AFTER PLACEMENT. PROPERLY VIBRATE AROUND INSTALLED ITEMS TO ENSURE PROPER CONSOLIDATION OF CONCRETE.
- AT SLABS-ON-GRADE, PROVIDE JOINTING AS INDICATED IN THE DRAWINGS WITH SPACING NOT TO EXCEED 36 TIMES THE SLAB THICKNESS.
- AT SLABS-ON-GRADE, PROVIDE JOINTING AS INDICATED IN THE DRAWINGS.
- WHERE "DRILLING & EPOXYING" OF REINFORCING STEEL OR THREADED ANCHOR RODS (ASTM A36, U.N.O.) IS INDICATED, UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING SYSTEM OR APPROVED EQUIVALENT:

APPLICATION	EPOXY SYSTEM
NEW OR EXISTING CONCRETE	HILTI HIT HY200

- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

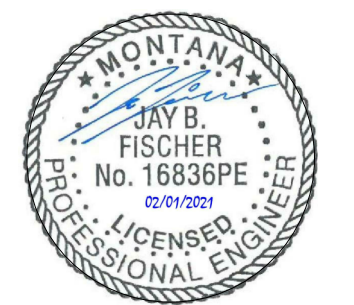


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 GENERAL
 STRUCTURAL NOTES

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100% CONSTRUCTION DOCUMENTS

STATEMENT OF SPECIAL INSPECTION AND TESTING NOTES:

1. SPECIAL INSPECTIONS SHALL CONFORM TO CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE (IBC). THE OWNER SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM INSPECTIONS AND TESTING DESCRIBED HEREIN.
2. REFERENCE CODES AND STANDARDS ARE AS FOLLOWS:
 - a. INTERNATIONAL BUILDING CODE: 2018 IBC
 - b. AMERICAN CONCRETE INSTITUTE: ACI 318-14
 - c. AMERICAN WELDING SOCIETY: AWS D1.1-15, AWS D1.3-18, AWS D1.8-16
 - d. AMERICAN INSTITUTE OF STEEL CONSTRUCTION: AISC 360-16 (AISC), AISC 341-16 (AISC SEISMIC)
 - e. THE MASONRY SOCIETY: TMS 402-16, TMS 602-16
 - f. RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS: RCSC-04
 - g. ASTM INTERNATIONAL: CURRENT EDITIONS
3. SPECIAL INSPECTIONS AND ASSOCIATED TESTING SHALL BE PERFORMED BY AN APPROVED AND ACCREDITED INDEPENDENT AGENCY MEETING THE REQUIREMENTS OF ASTM E329 (GENERAL), ASTM D3740 (SOILS), ASTM C1077 (CONCRETE), ASTM A880 (STEEL), AND ASTM E843 (NON-DESTRUCTIVE). THE INSPECTION AND TESTING AGENCY SHALL FURNISH TO THE ARCHITECT AND ENGINEER A COPY OF THEIR SCOPE OF ACCREDITATION. SPECIAL INSPECTORS SHALL BE APPROVED BY THE BUILDING OFFICIAL. WELDING INSPECTORS SHALL BE QUALIFIED PER AWS D1.1.
4. THE CONSTRUCTION OR WORK FOR WHICH SPECIAL INSPECTION IS REQUIRED SHALL REMAIN ACCESSIBLE AND EXPOSED FOR SPECIAL INSPECTION PURPOSES UNTIL COMPLETION OF THE REQUIRED SPECIAL INSPECTIONS.
5. THE SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONTRACT DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN THE INSPECTION REPORTS. ISSUES REQUIRING IMMEDIATE CORRECTIVE ACTIONS OR ENGINEERING INPUT ARE TO BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY UPON DISCOVERY.
6. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, ARCHITECT, ENGINEER, CONTRACTOR, AND OWNER. THE SPECIAL INSPECTION AGENCY SHALL SUBMIT A FINAL REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED, IS IN CONFORMANCE WITH THE APPROVED CONTRACT DOCUMENTS, AND THAT ALL DISCREPANCIES NOTED IN THE REPORTS HAVE BEEN CORRECTED.
7. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR A WIND- OR SEISMIC-RESISTING COMPONENT LISTED SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED HEREIN.
8. INSPECTION FREQUENCY:
 - a. CONTINUOUS INSPECTION: THE SPECIAL INSPECTOR SHALL BE PRESENT WHEN AND WHERE THE WORK IS BEING PERFORMED AT ALL TIMES.
 - b. PERIODIC INSPECTION: THE SPECIAL INSPECTOR SHALL BE INTERMITTENTLY PRESENT WHEN AND WHERE THE WORK IS BEING PERFORMED. THE INSPECTOR SHALL OBSERVE THE WORK AT ITS COMMENCEMENT, AT PERIODIC INTERVALS THEREAFTER, AND WHEN THE WORK IS COMPLETED.
 - c. OBSERVE: THE INSPECTOR SHALL OBSERVE THESE FUNCTIONS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING OBSERVATIONS (REFERENCE AISC 360 AND AISC 341 FOR ADDITIONAL INFORMATION).
 - d. PERFORM: THESE INSPECTIONS SHALL BE PERFORMED PRIOR TO FINAL ACCEPTANCE OF THE ITEM (REFERENCE AISC 360 AND AISC 341 FOR ADDITIONAL INFORMATION).
 - e. DOCUMENT: THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS (REFERENCE AISC 360 AND AISC 341 FOR ADDITIONAL INFORMATION).
9. SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED SPECIAL INSPECTION AGENCY. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
 - a. STEEL FABRICATORS AND INSTALLERS CERTIFIED THROUGH AISC COMPLY WITH THIS PROVISION. THE FABRICATOR AND OR INSTALLER MUST STILL COMPLETE AND DOCUMENT THE QUALITY CONTROL TASKS AND NON-DESTRUCTIVE TESTING OUTLINED IN AISC 360 AND AISC 341, AS APPLICABLE.

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION				
TASK	IBC REFERENCE	REFERENCED STANDARD	FREQUENCY	REMARKS
INSPECTION OF REINFORCING STEEL AND PLACEMENT	TABLE 1705.3	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	PERIODIC	
INSPECTION OF PRESTRESSING TENDONS AND PLACEMENT	TABLE 1705.3	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	PERIODIC	
WELDING REINFORCING: VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706	TABLE 1705.3	AWS D1.4 ACI 318: 26.6.4	PERIODIC	
WELDING REINFORCING: LONGITUDINAL REINFORCING IN BEAMS AND COLUMNS OF INTERMEDIATE AND SPECIAL MOMENT FRAMES			CONTINUOUS	
WELDING REINFORCING: LONGITUDINAL AND TRANSVERSE REINFORCING IN BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS			CONTINUOUS	
WELDING REINFORCING: TRANSVERSE REINFORCING IN BEAMS AND COLUMNS			CONTINUOUS	
WELDING REINFORCING: OTHER STEEL NOT PREVIOUSLY LISTED			PERIODIC	
INSPECTION OF ANCHORS CAST-IN CONCRETE		ACI 318: 17.8.2	PERIODIC	
INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE: VERIFY ANCHOR PRODUCT NAME, TYPE, AND DIMENSIONS, HOLE DIMENSIONS, COMPLIANCE WITH DRILL BIT REQUIREMENTS, CLEANLINESS OF THE HOLE AND ANCHOR, PRODUCT EXPIRATION DATE (IF APPLICABLE), COMPLIANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE (IF APPLICABLE) FOR:		ACI 318: 17.8.2.4 PRODUCT EVALUATION REPORT	CONTINUOUS	
a) ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS				
INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE: VERIFY ANCHOR PRODUCT NAME, TYPE, AND DIMENSIONS, HOLE DIMENSIONS, COMPLIANCE WITH DRILL BIT REQUIREMENTS, CLEANLINESS OF THE HOLE AND ANCHOR, PRODUCT EXPIRATION DATE (IF APPLICABLE), COMPLIANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE (IF APPLICABLE) FOR:		ACI 318: 17.8.2 PRODUCT EVALUATION REPORT	PERIODIC	
b) MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN a)	TABLE 1705.3			
VERIFY USE OF REQUIRED MIX DESIGN		ACI 318: CH. 19, 26.4.3, 26.4.4	PERIODIC	
INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES		ACI 318: 26.5, 26.12	CONTINUOUS	
INSPECTION OF SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES		ACI 318: 26.5.3-25.5.5	PERIODIC	
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES				
PRESTRESSED CONCRETE: APPLICATION OF PRESTRESSING FORCE		ACI 318: 26.10	CONTINUOUS	
PRESTRESSED CONCRETE: GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC FORCE RESISTING SYSTEM		ACI 318: 26.9	PERIODIC	
ERECTION OF PRECAST CONCRETE MEMBERS		ACI 318: 26.9	PERIODIC	
VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO STRESSING TENDONS IN POST-TENSIONED CONCRETE		ACI 318: 26.11.2	PERIODIC	
VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS		ACI 318: 26.11.2(b)	PERIODIC	
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		ACI 318: 26.11.2(b)	PERIODIC	

TESTING OF CONCRETE CONSTRUCTION			
TASK	IBC REFERENCE	REFERENCED STANDARD	FREQUENCY
CONCRETE STRENGTH TEST SPECIMENS	TABLE 1705.3	ASTM C31 AND C39	FOR EACH CLASS OF CONCRETE (E.G. FOOTINGS, WALLS, OR SLAB ON GRADE), ONE SET OF SPECIMENS EACH DAY OR LESSER OF ONE SET FOR EACH 150 YDS OF CONCRETE OR ONE SET FOR EACH 5,000 SQUARE FEET OF SLABS OR WALL
AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE TEMPERATURE OF CONCRETE		ASTM C172 ACI 318-14: 26.4 AND 26.12	FOR EACH SPECIMEN



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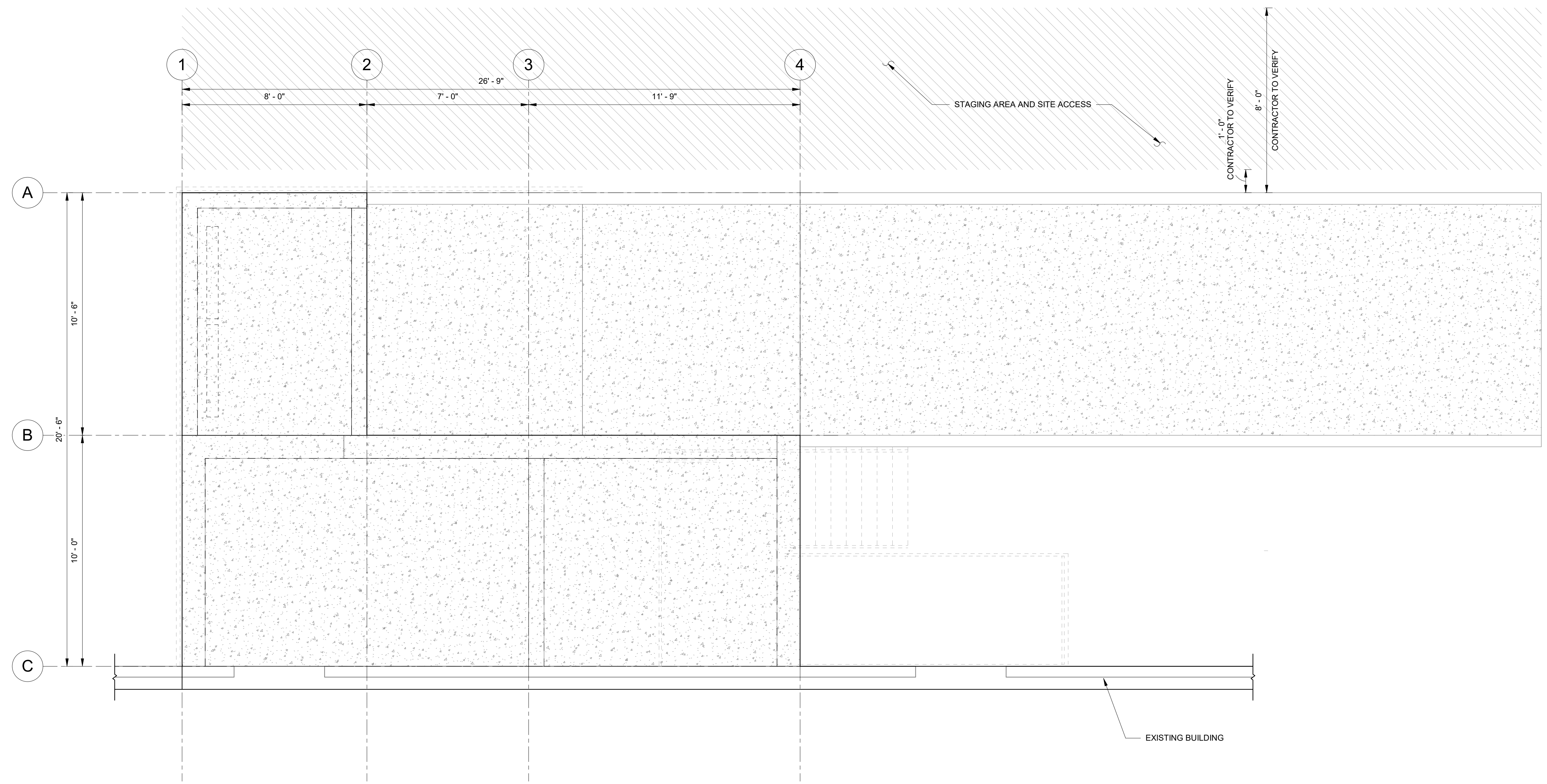
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SHEET TITLE
SPECIAL INSPECTIONS

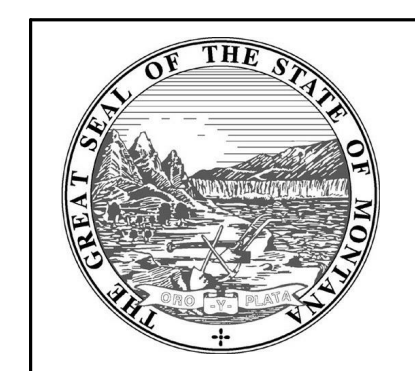
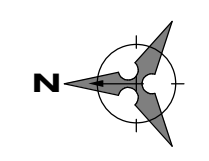
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1 STAGING AND ACCESS PLAN
3/8" = 1'-0"



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100% CONSTRUCTION DOCUMENTS
RENNE LIBRARY LOADING DOCK
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REVIEWED BY:	JBF	
REV.	DESCRIPTION	DATE



PPA#19-0210

MMI #: 0747.076

SHEET TITLE
STAGING AND ACCESS PLAN

SHEET
S0.2

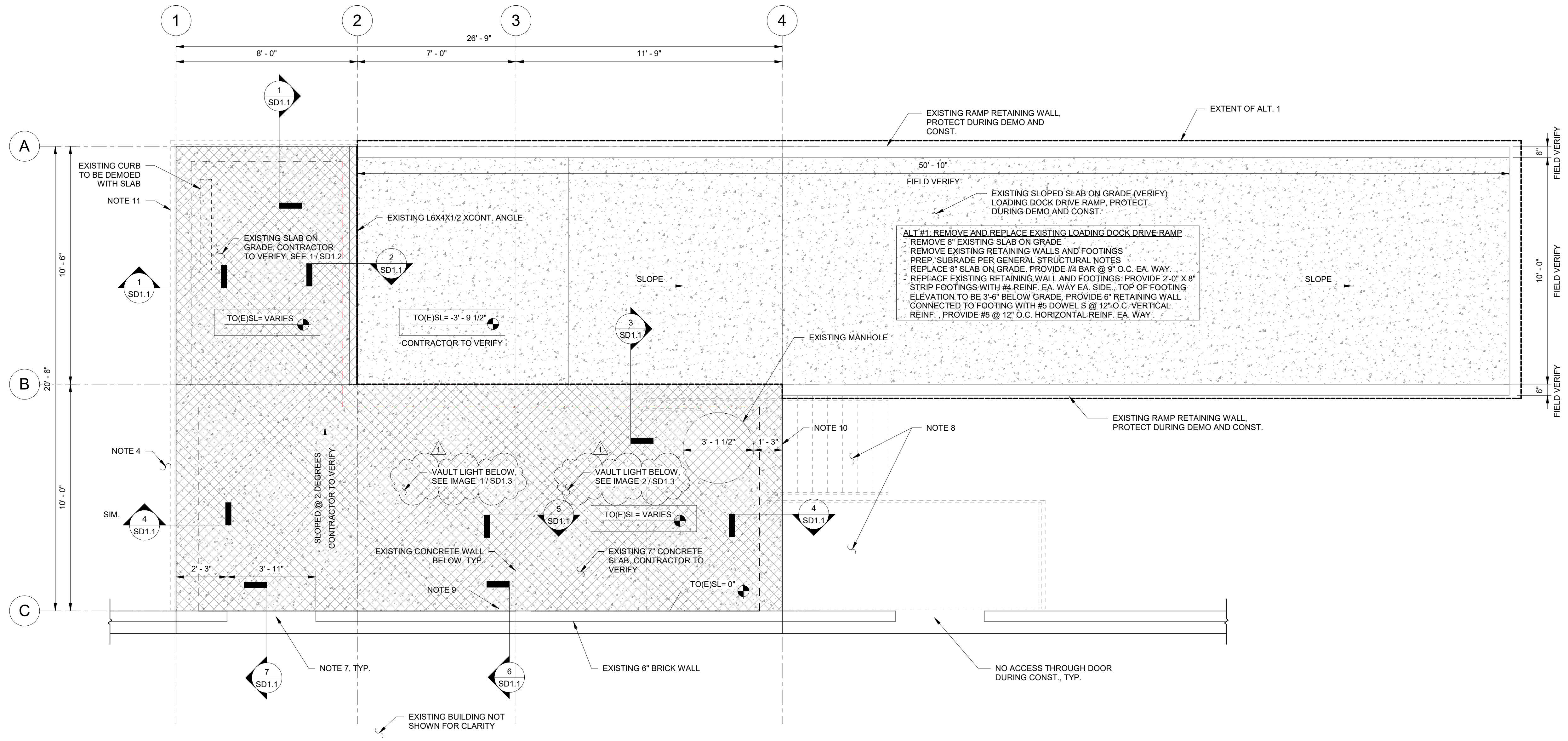
DATE
02/01/2021

DEMO NOTES

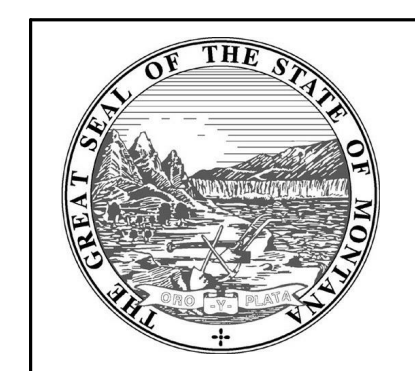
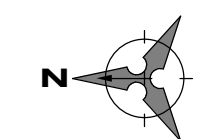
- PROJECT DATUM ELEVATION = 0' - 0" AT TOP OF SLAB. ALL SPOT ELEVATIONS FOR FOUNDATION ELEMENTS ARE IN REFERENCE TO THE DATUM ELEVATION.
- CONTRACTOR TO FIELD VERIFY ALL ELEMENTS, DIMENSIONS, AND ELEVATIONS.
- CONTRACTOR TO VERIFY ALL DIMENSIONS TO AND SIZES OF WALL & FLOOR OPENINGS AND PENETRATIONS.
- CONTRACTOR TO COORDINATE SITE HARDSCAPING WITH OWNER. CONTRACTOR TO PROTECT LANDSCAPING AND REPLACE IMPACTED AREAS.
- CONTRACTOR TO REFER TO GENERAL STRUCTURAL NOTES ON SD.0 FOR ADDITIONAL REQUIREMENTS.
- GRIDS ARE TO FACE OF FOUNDATION WALL, UNLESS NOTED OTHERWISE.
- PROTECT EXISTING DOOR DURING CONSTRUCTION. DOOR LOCATIONS ARE SHOWN FOR REPRESENTATION PURPOSE ONLY. SEE IMAGE 2 / SD1.2.
- EXISTING METAL STAIRS, RAILING AND GRATING TO BE REMOVED, RE-PAINTED AND RE-USED WITH NEW CONSTRUCTION. SEE IMAGES 5 / SD1.2 & 6 / SD1.2.
- PROTECT EXISTING ELECTRICAL PANELBOARD AND ASSOCIATED CONDUITS. SEE IMAGE 3 / SD1.2.
- DUCT PENETRATION BELOW, SEE IMAGE 4 / SD1.2.
- EXISTING WOOD RAILING TO BE REMOVED, RE-PAINTED AND RE-USED WITH NEW CONSTRUCTION. SEE IMAGE 7 / SD1.2.

DEMO LEGEND

- DEMO AREA
- EXISTING CONCRETE WALL TO BE DEMOED
- EXISTING CONCRETE WALL TO REMAIN



1 DEMO PLAN
3/8" = 1'-0"



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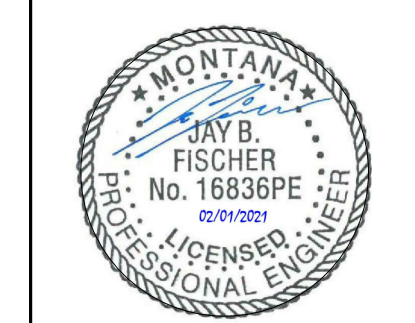
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RENNE LIBRARY LOADING DOCK

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1	ADD 1	2/19/21



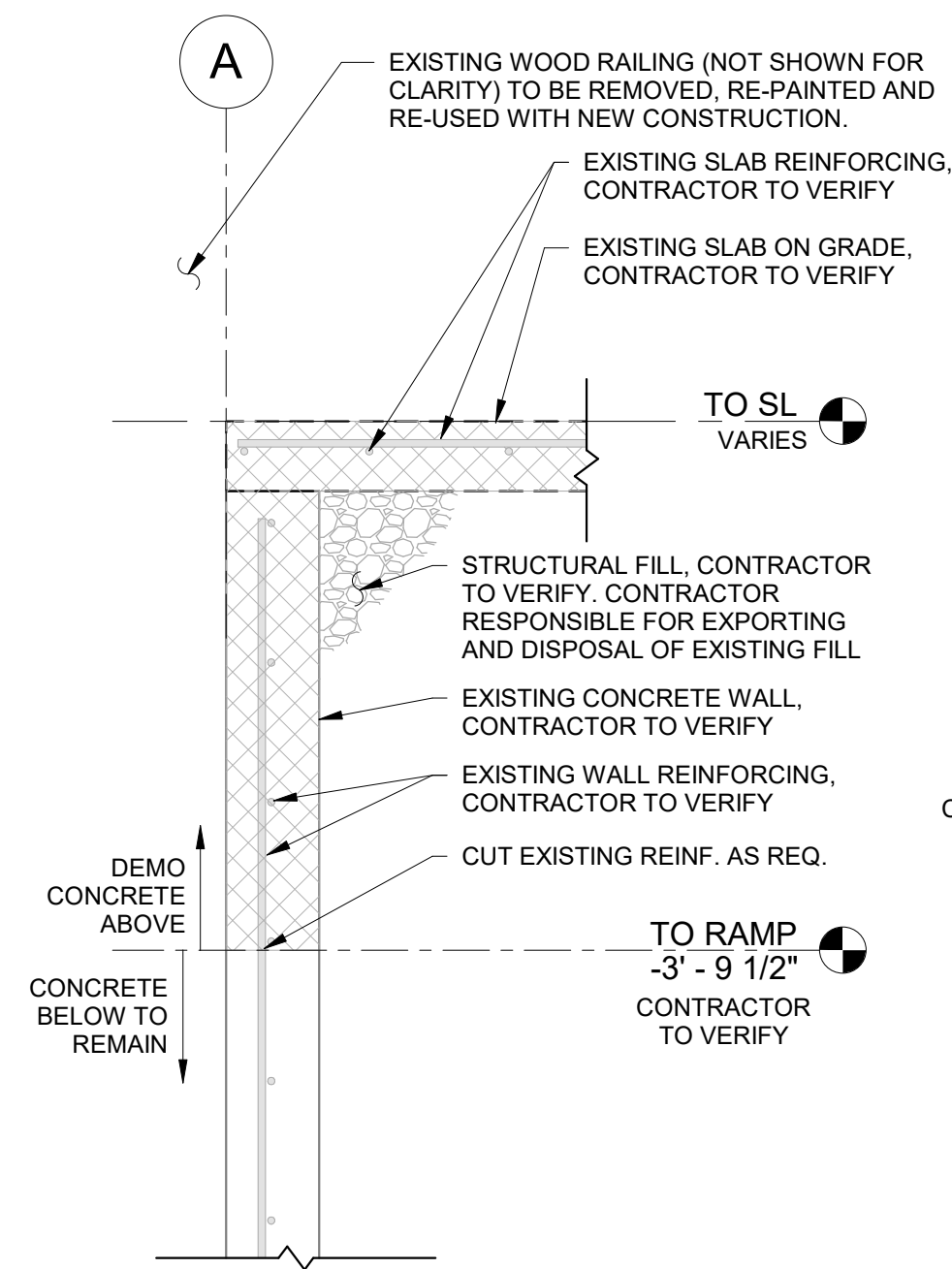
PPA#19-0210

MMI #: 0747.076

SHEET TITLE
DEMO PLAN

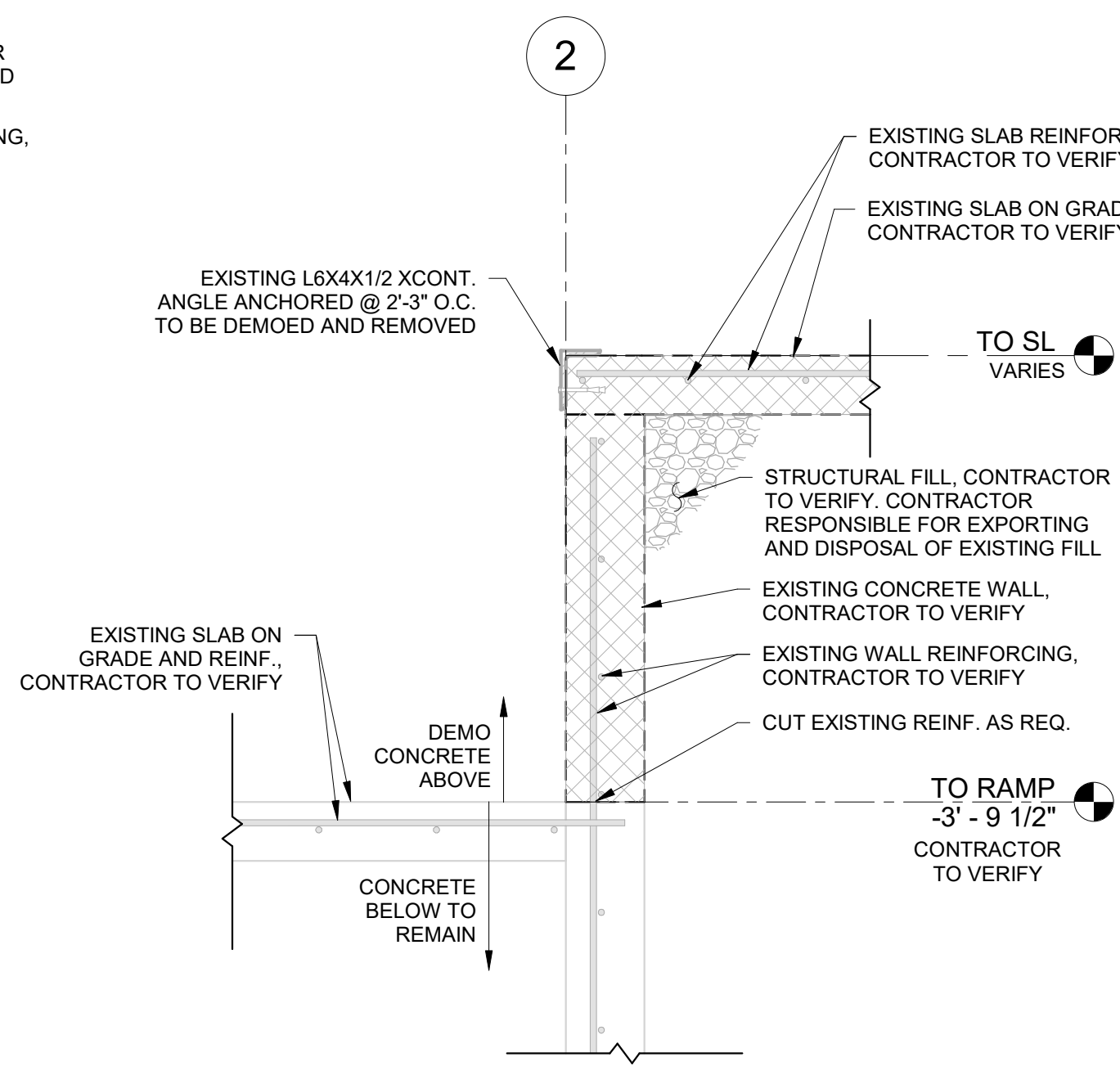
SHEET
SD1.0

DATE
02/01/2021



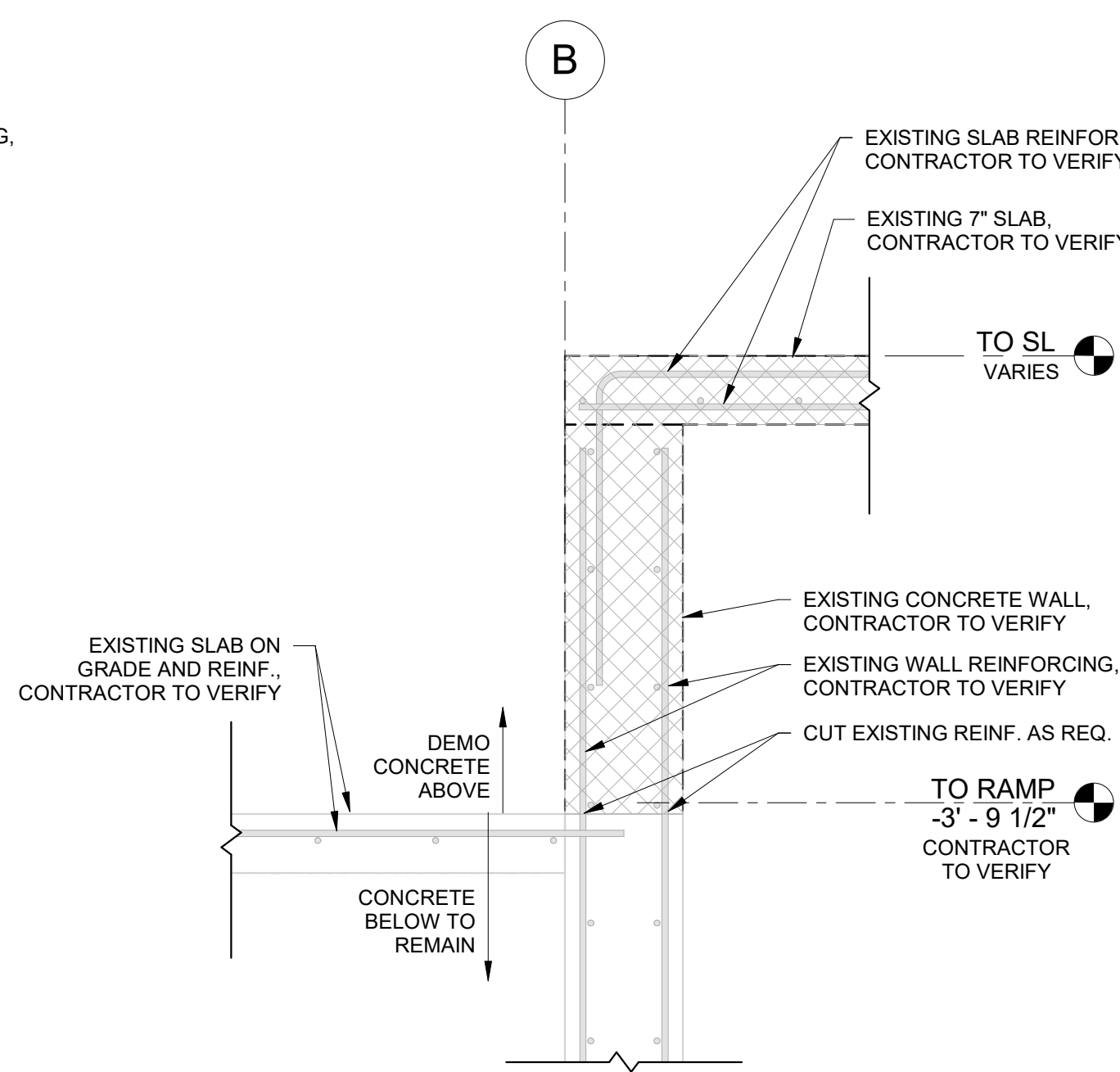
NOTES:
CONTRACTOR IS RESPONSIBLE FOR PHASING OF DEMO FOR SAFETY AND PROTECTION OF EXISTING STRUCTURE.

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



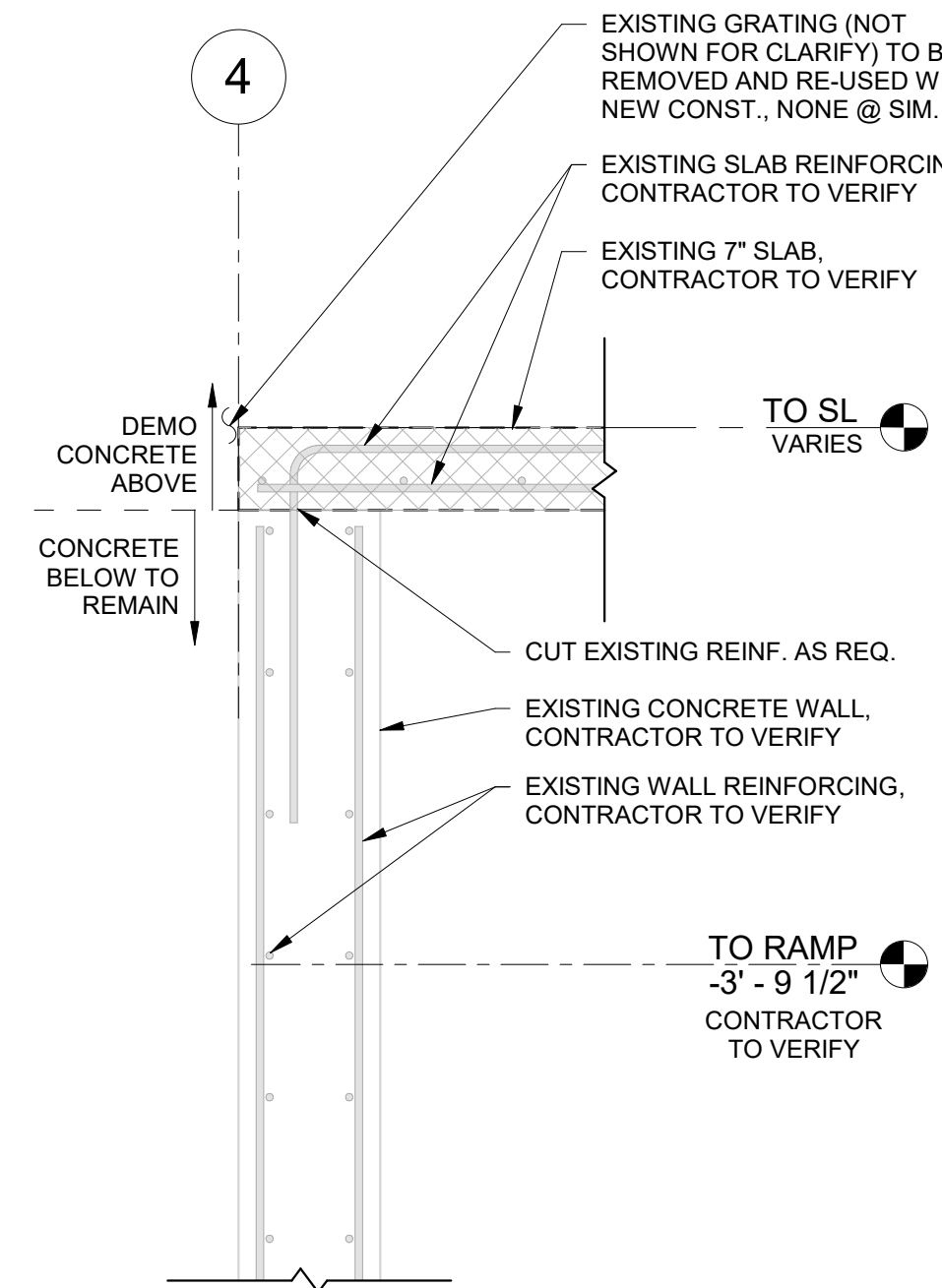
NOTES:
CONTRACTOR IS RESPONSIBLE FOR PHASING OF DEMO FOR SAFETY AND PROTECTION OF EXISTING STRUCTURE.

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



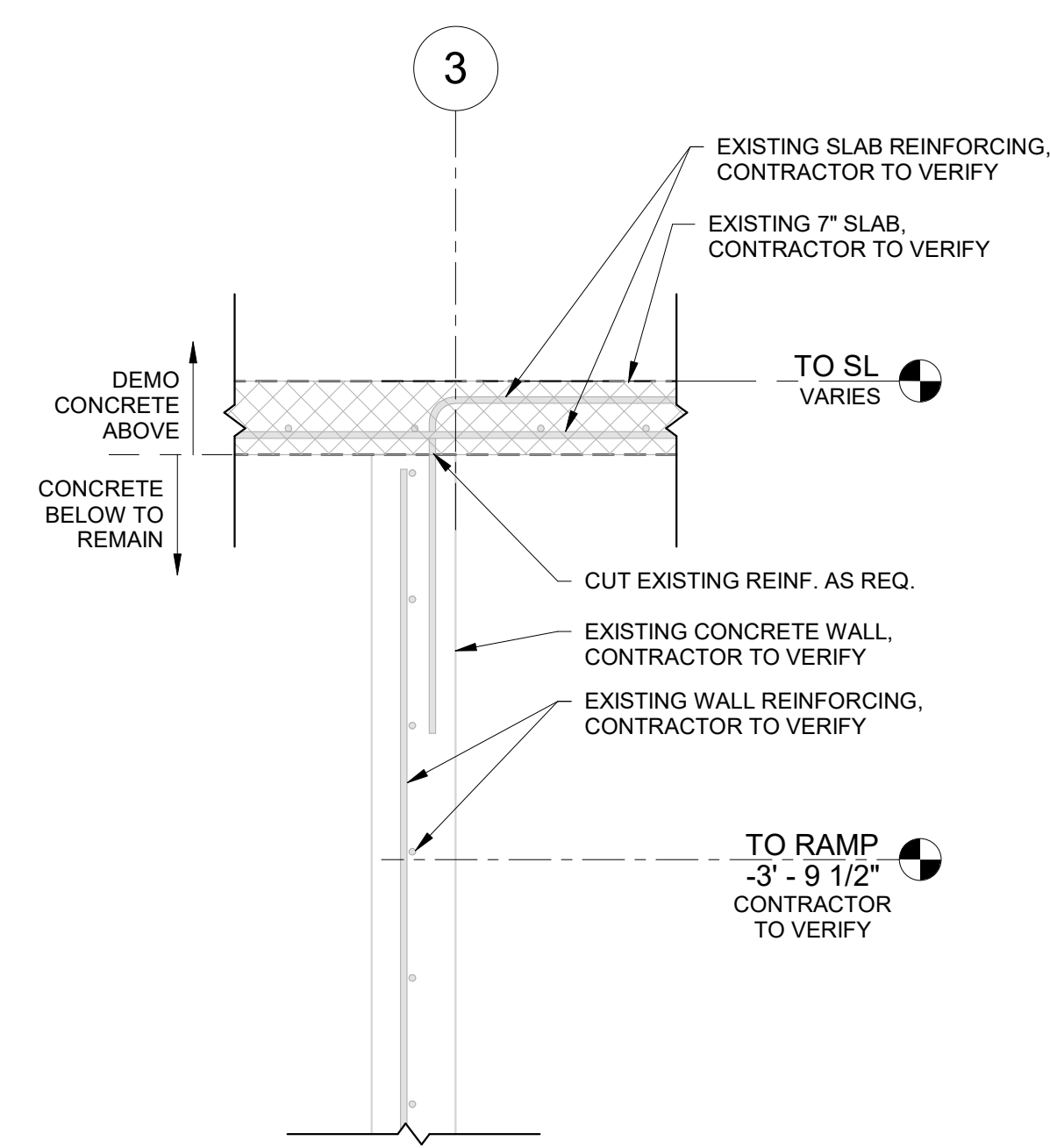
NOTES:
CONTRACTOR IS RESPONSIBLE FOR PHASING OF DEMO FOR SAFETY AND PROTECTION OF EXISTING STRUCTURE.

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



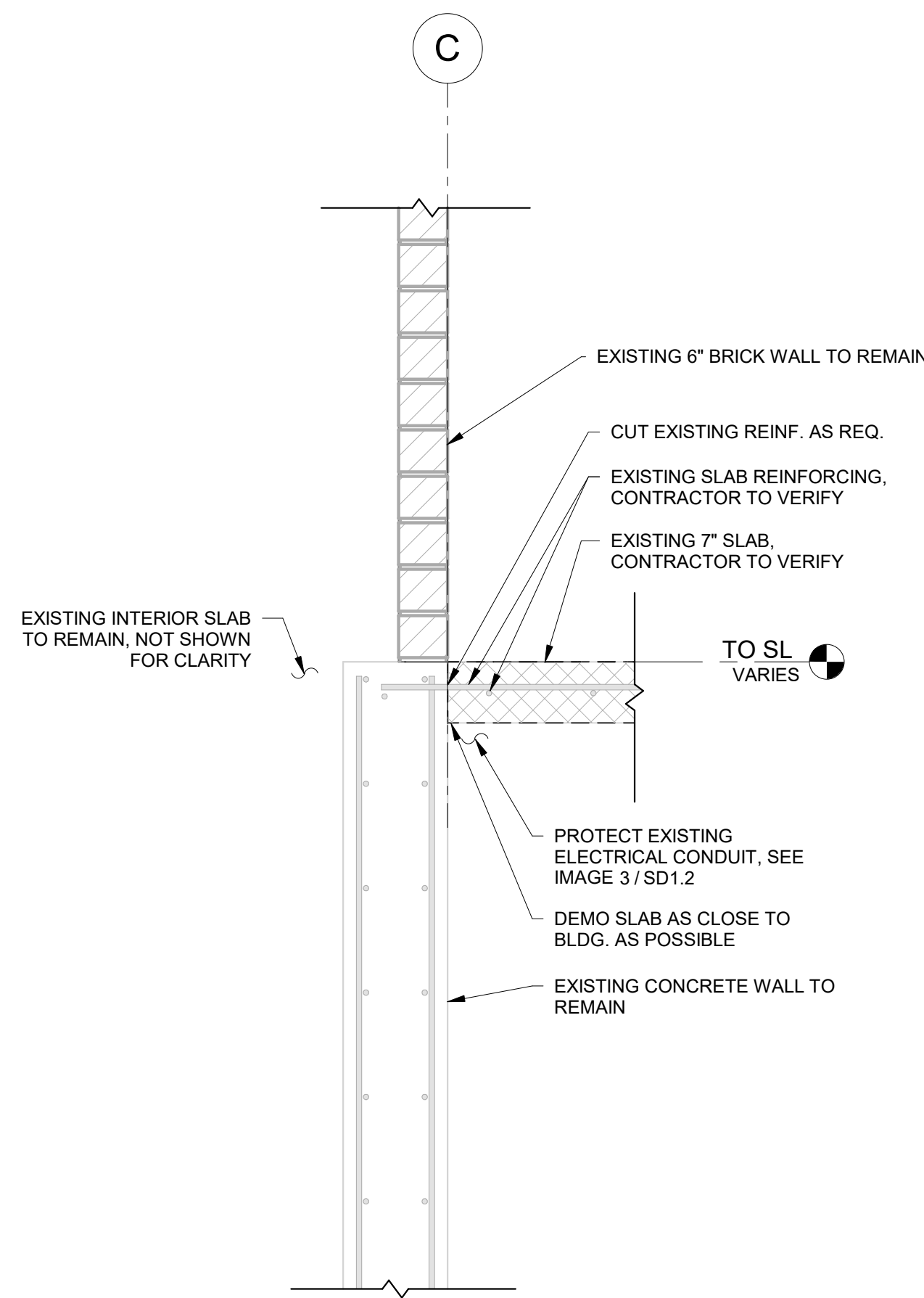
NOTES:
CONTRACTOR IS RESPONSIBLE FOR PHASING OF DEMO FOR SAFETY AND PROTECTION OF EXISTING STRUCTURE.

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



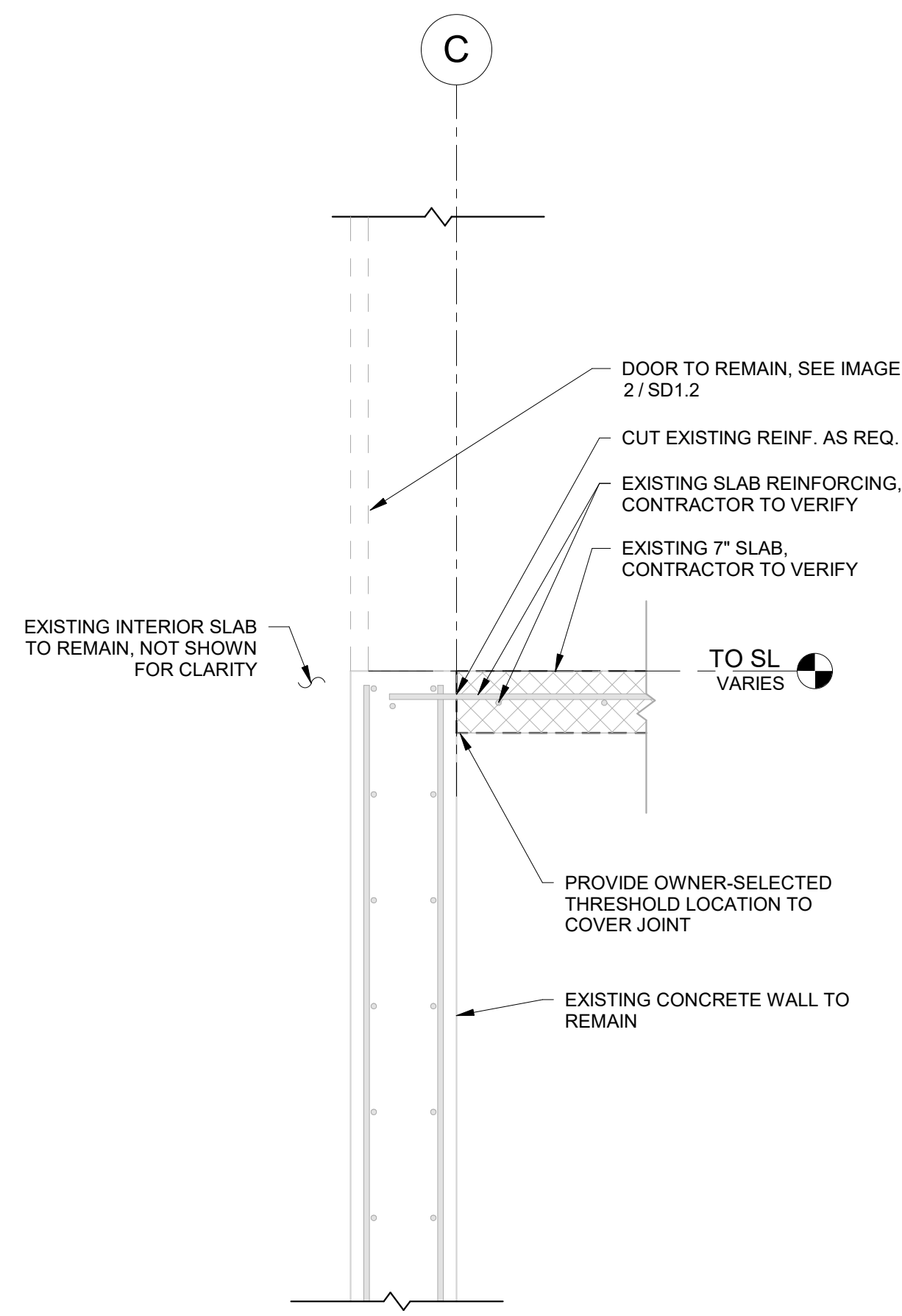
NOTES:
CONTRACTOR IS RESPONSIBLE FOR PHASING OF DEMO FOR SAFETY AND PROTECTION OF EXISTING STRUCTURE.

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



NOTES:
CONTRACTOR IS RESPONSIBLE FOR PHASING OF DEMO FOR SAFETY AND PROTECTION OF EXISTING STRUCTURE.

6 DEMO SECTION AT BUILDING
3/4" = 1'-0"



NOTES:
CONTRACTOR IS RESPONSIBLE FOR PHASING OF DEMO FOR SAFETY AND PROTECTION OF EXISTING STRUCTURE.

7 DEMO SECTION AT BUILDING
3/4" = 1'-0"

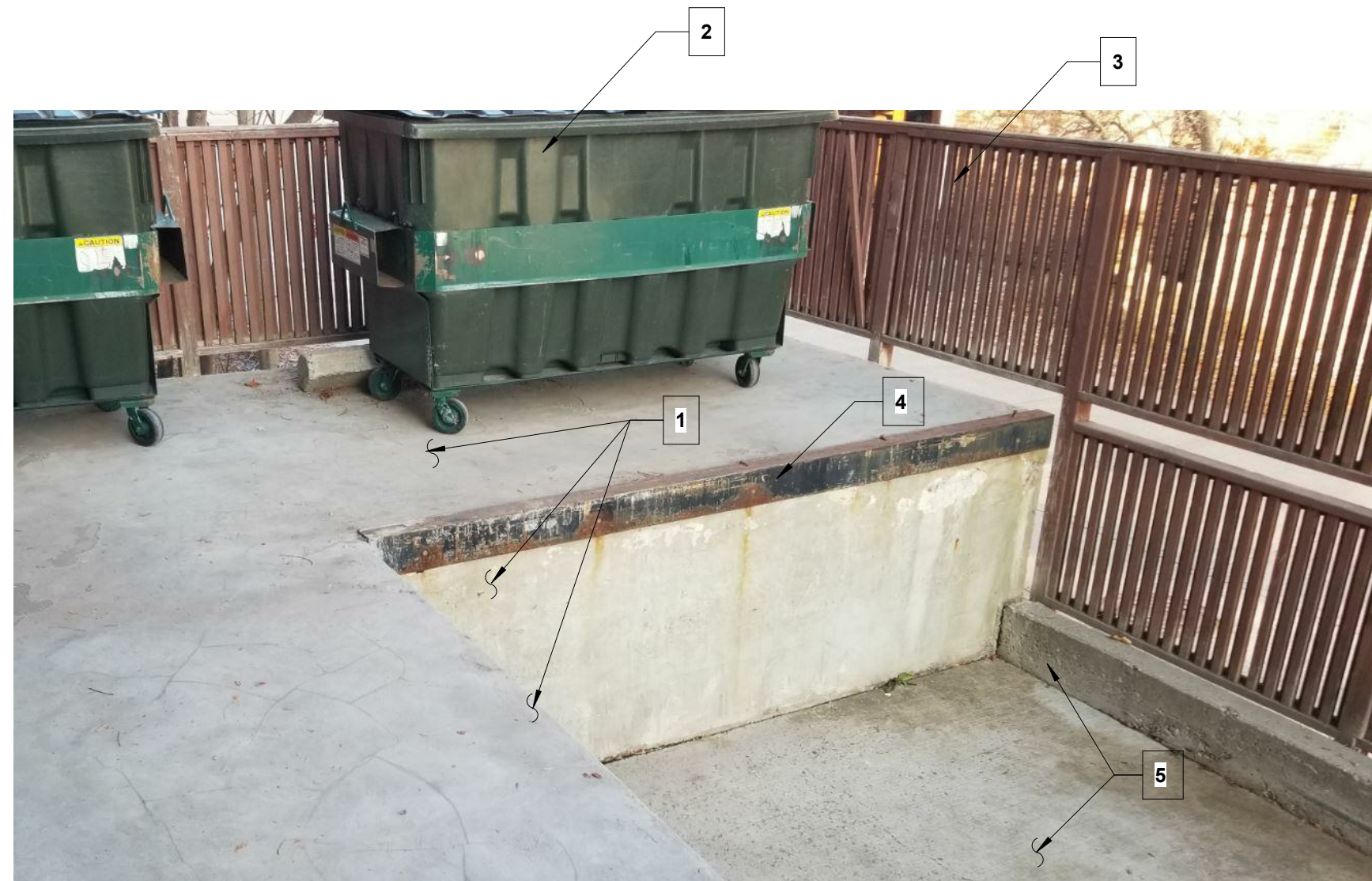


PHOTO NOTES:
 1. EXISTING LOADING DOCK TO BE DEMOED AND REMOVED
 2. EXISTING TRASH RECEPTACLE TO BE SALVAGED AND REUSED
 3. EXISTING WOOD RAILING TO BE REMOVED, RE-PAINTED AND RE-USED WITH NEW CONSTRUCTION
 4. EXISTING STEEL ANGLE TO BE DEMOED AND REMOVED.
 5. EXISTING LOADING DOCK RAMP AND CURB - SEE ALTERNATE 1

1 SLAB-ON-GRADE AREA
 N.T.S.



PHOTO NOTES:
 1. EXISTING LOADING DOCK TO BE DEMOED AND REMOVED
 2. EXISTING DOOR TO REMAIN. PROTECT DURING DEMO AND CONSTRUCTION.
 3. EXISTING BRICK VENEER TO REMAIN. PROTECT DURING DEMO AND CONSTRUCTION.

2 DOOR OPENING AND 6" BRICK WALL
 N.T.S.



PHOTO NOTES:
 1. EXISTING LOADING DOCK LID TO BE DEMOED AND REMOVED
 2. EXISTING ELECTRICAL EQUIPMENT TO REMAIN. PROTECT DURING DEMO AND CONSTRUCTION.

3 ELECTRICAL CONDUIT
 N.T.S.

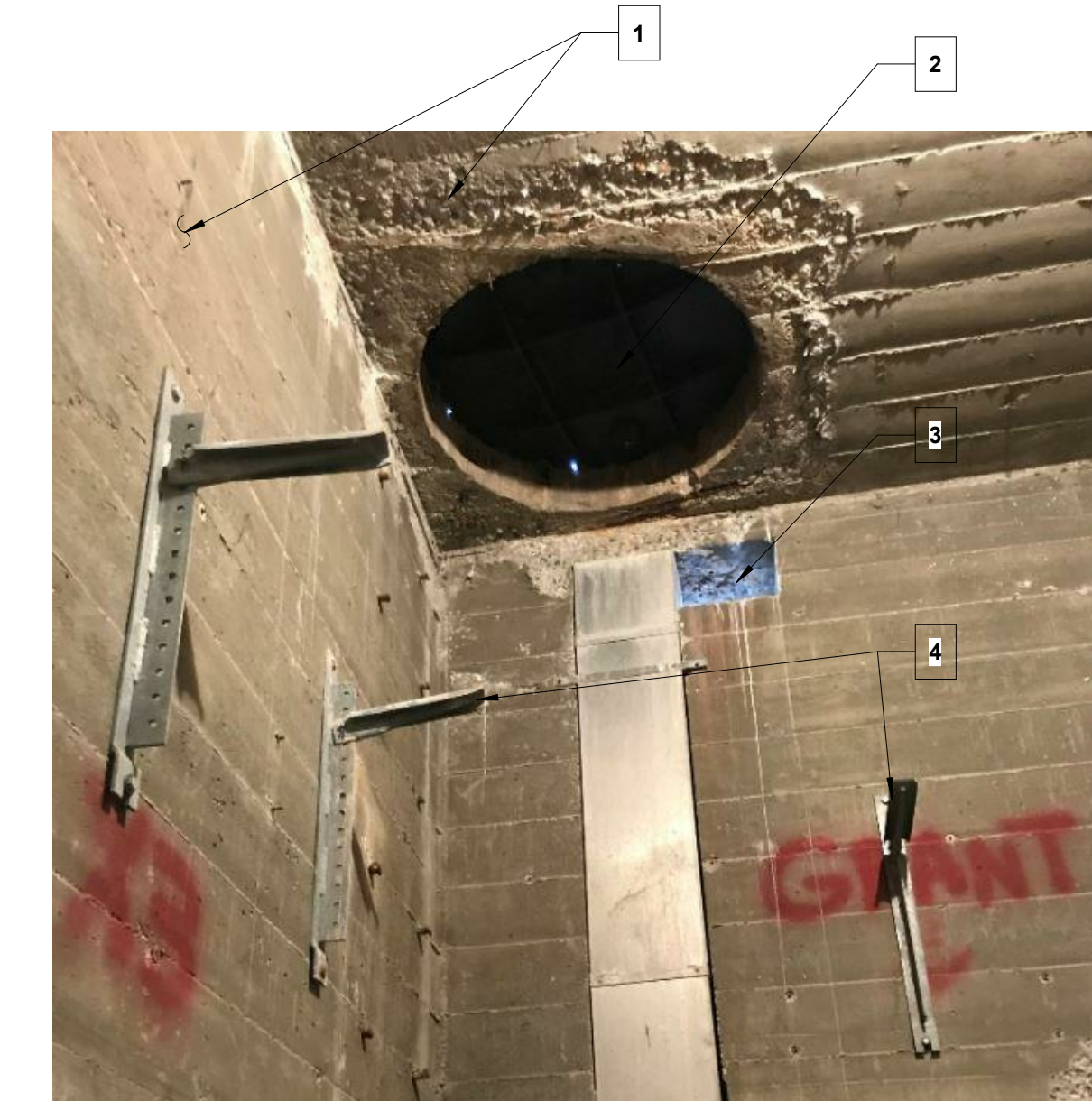


PHOTO NOTES:
 1. EXISTING LOADING DOCK TO BE DEMOED AND REMOVED
 2. EXISTING MANHOLE LID TO BE DEMOED AND REMOVED
 3. EXISTING HOLE IN CONCRETE TO BE FILLED IN AND WATERPROOFED
 4. EXISTING STORAGE RACK TO BE DEMOED AND REMOVED

4 MAN HOLE AND DUCT PENETRATION
 N.T.S.



PHOTO NOTES:
 1. EXISTING LOADING DOCK TO BE DEMOED AND REMOVED
 2. EXISTING TRASH RECEPTACLE TO BE SALVAGED AND REUSED
 3. EXISTING BRICK VENEER AND WINDOWS TO REMAIN. PROTECT DURING DEMO AND CONSTRUCTION.
 4. EXISTING STEEL RAILING AND STAIR TO BE REMOVED, RE-PAINTED, AND RE-USED WITH NEW CONSTRUCTION.
 5. EXISTING STEEL PLATFORM TO BE REMOVED AND REINSTALLED
 6. EXISTING LOADING DOCK RAMP AND CURB - SEE ALTERNATE 1

5 METAL STAIR FRAMING ELEVATION
 N.T.S.

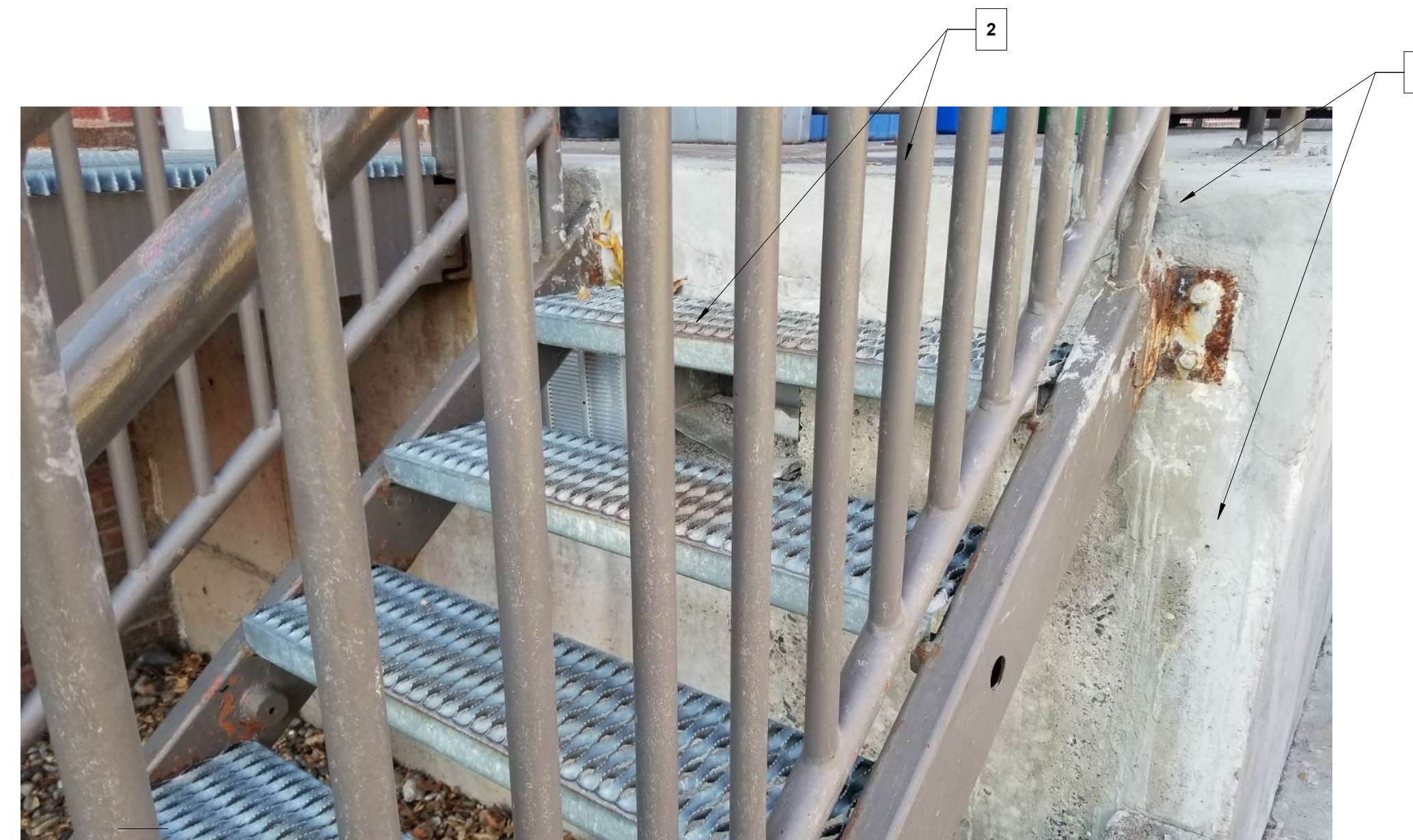


PHOTO NOTES:
 1. EXISTING LOADING DOCK TO BE DEMOED AND REMOVED
 2. EXISTING STEEL STAIRS AND RAILING TO BE REMOVED, RE-PAINTED AND RE-USED WITH NEW CONSTRUCTION.

6 EXISTING METAL STAIR ATTACHMENT
 N.T.S.

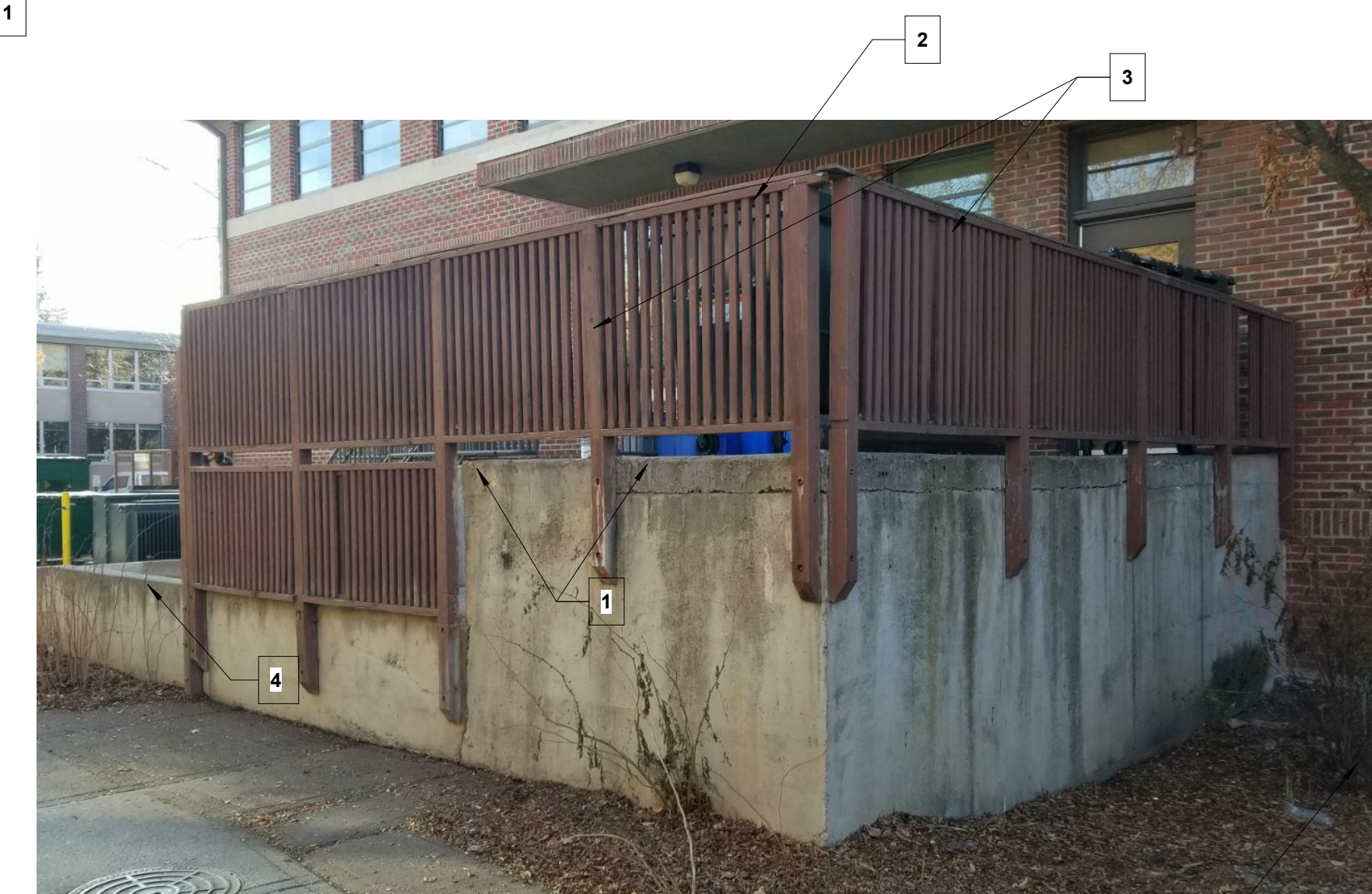


PHOTO NOTES:
 1. EXISTING LOADING DOCK TO BE DEMOED AND REMOVED
 2. EXISTING TRASH RECEPTACLE TO BE SALVAGED AND REUSED
 3. EXISTING WOOD RAILING TO BE REMOVED RE-PAINTED AND RE-USED WITH NEW CONSTRUCTION.
 4. EXISTING LOADING DOCK RAMP AND CURB - SEE ALTERNATE 1
 5. EXISTING TREE TO REMAIN AND BE PROTECTED

7 WOOD RAILING
 N.T.S.



PHOTO NOTES:
 1. EXISTING LOADING DOCK TO BE DEMOED AND REMOVED
 2. EXISTING LIGHTS AND CONDUIT TO BE REMOVED AND REINSTALLED WITH NEW CONSTRUCTION
 3. EXISTING FIRE LINE TO BE REMOVED AND REINSTALLED WITH NEW CONSTRUCTION

1 VAULT LIGHT IN NORTH ROOM
 N.T.S.

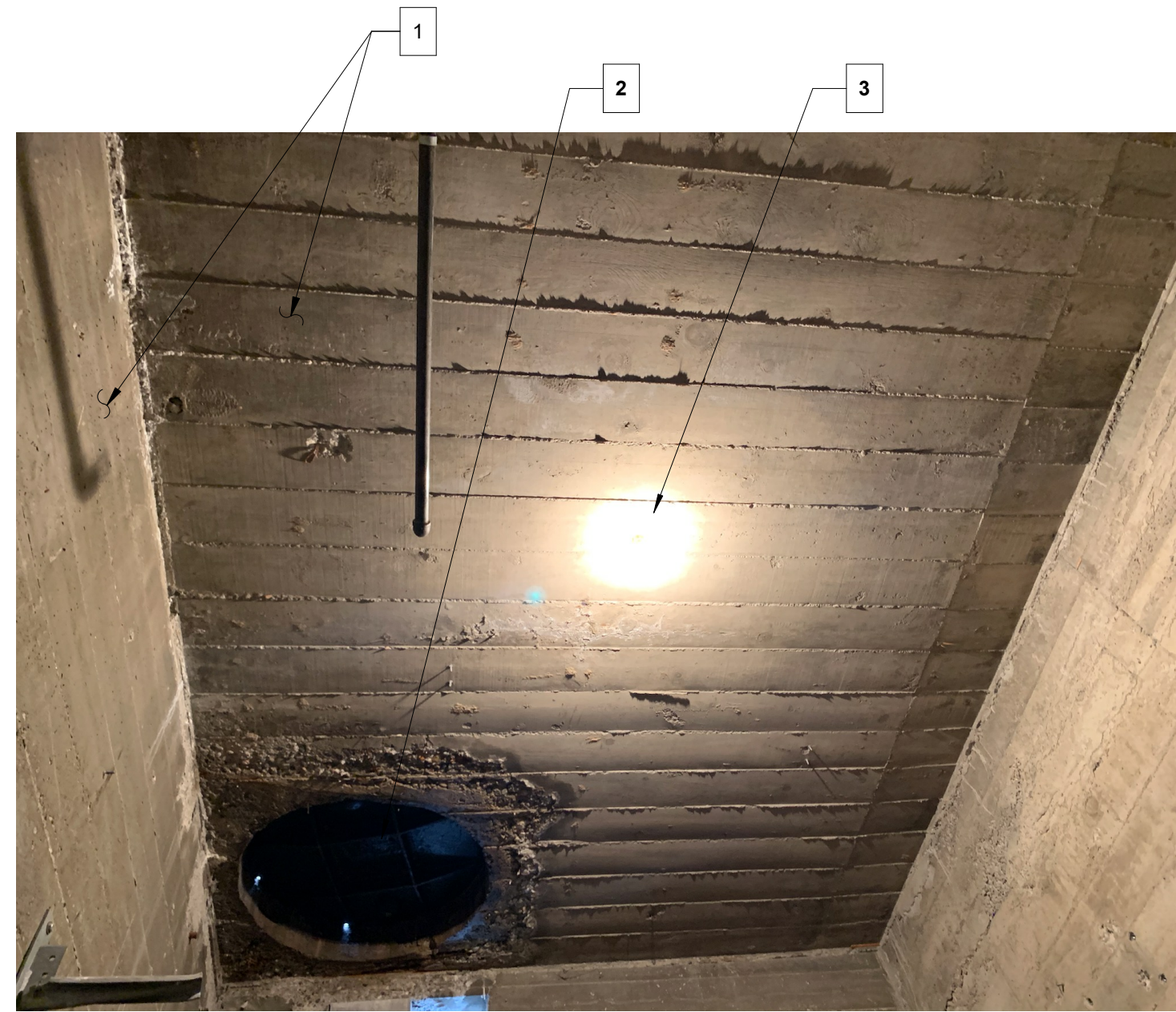


PHOTO NOTES:
 1. EXISTING LOADING DOCK TO BE DEMOED AND REMOVED
 2. EXISTING MANHOLE LID TO BE DEMOED AND REMOVED
 3. EXISTING LIGHT AND ELECTRICAL EQUIPMENT TO BE DEMOED AND REMOVED. CONTRACTOR TO PROVIDE SURFACE LIGHTS AND CONDUIT TO MATCH EXISTING LIGHTS PER PHOTO 1/SD1.3 WITH NEW CONSTRUCTION.

2 VAULT LIGHT IN SOUTH ROOM
 N.T.S.

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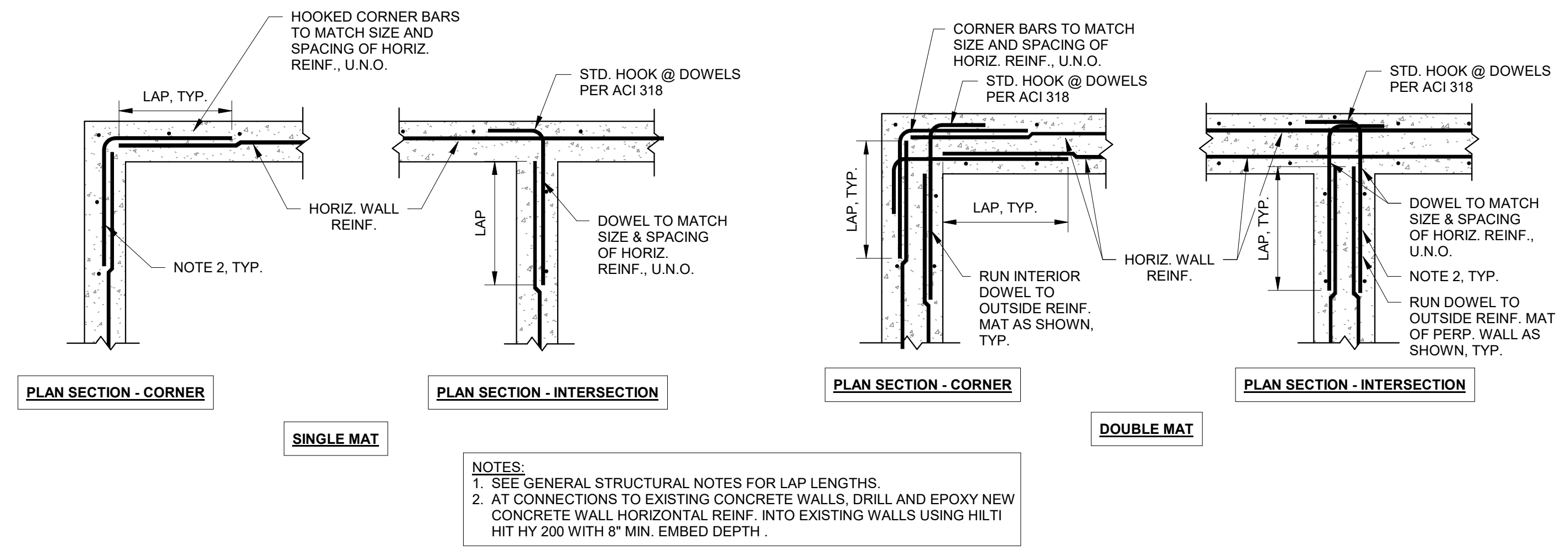
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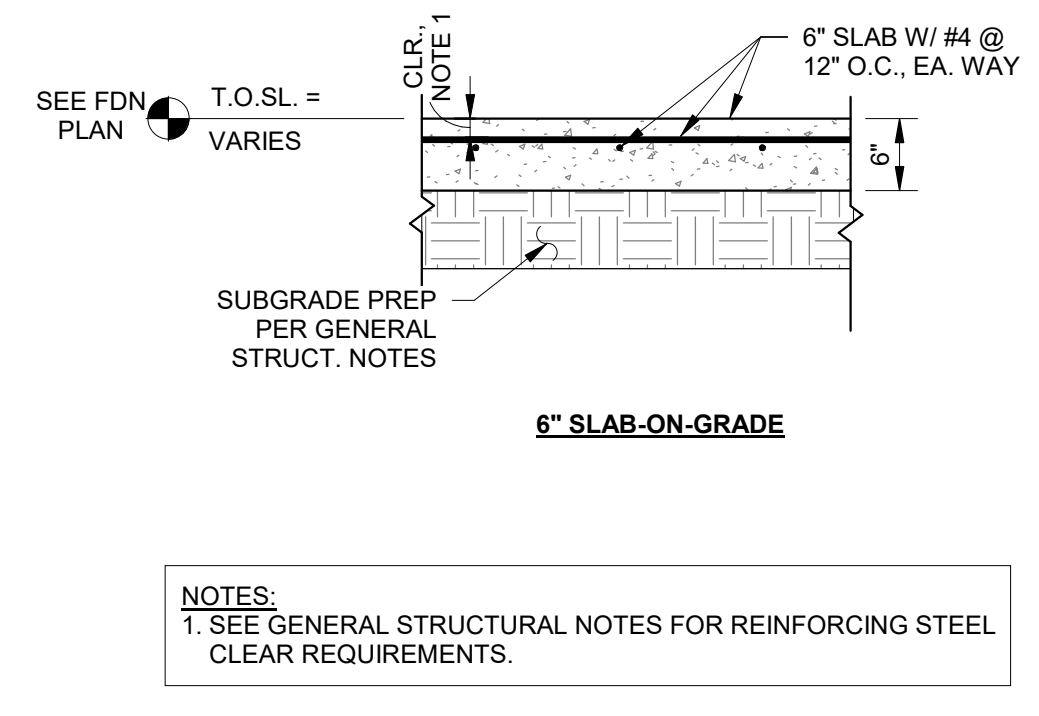
SHEET TITLE
 DEMO PHOTOS

SHEET
SD1.3

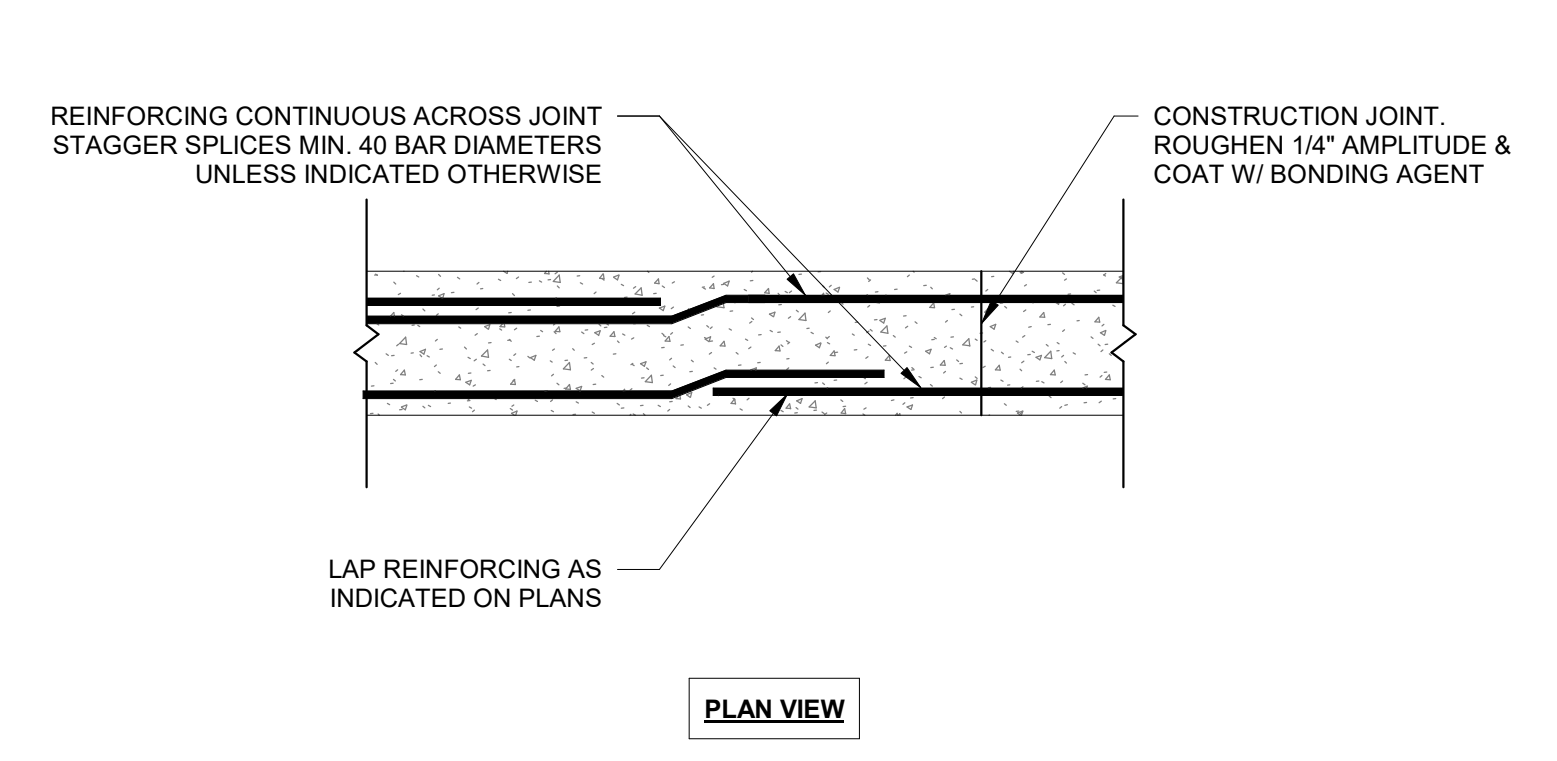
DATE
02/01/2021



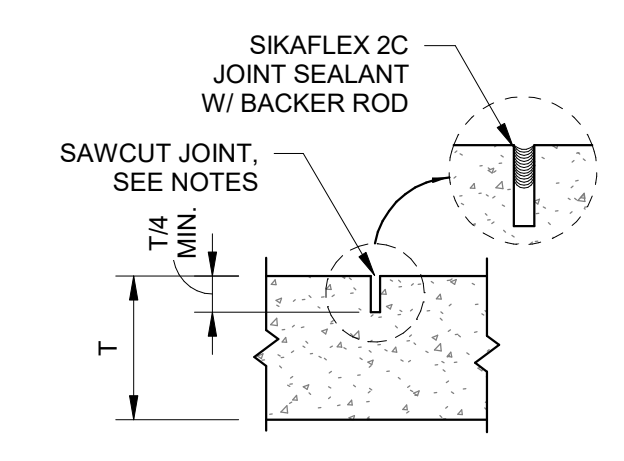
1 WALL CORNER/ INTERSECTION REINF.
 N.T.S.



2 SLAB ON GRADE
 N.T.S.

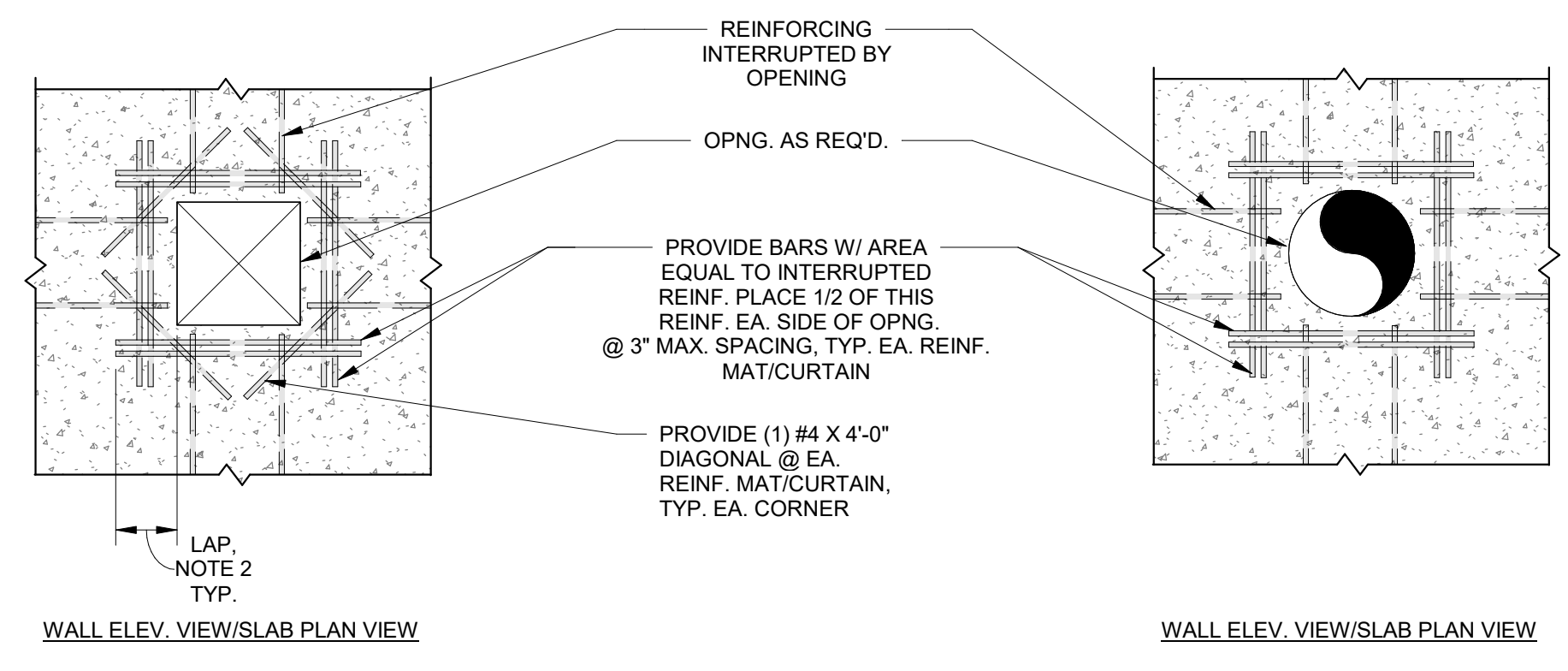


3 FDN. WALL CONST. JOINT
 N.T.S.



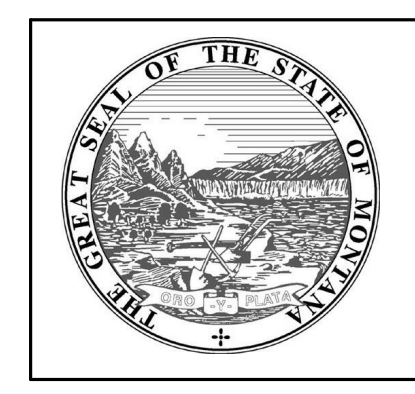
NOTES:
 1. SEE FDN. PLANS FOR JOINT LOCATION & SPACING.
 2. SAWCUT SLAB WITHIN 12 HOURS OF FINAL FLOATING.

4 SLAB ON GRADE CONTRACTION JOINT
 N.T.S.



NOTE:
 1.) OMIT ADDITIONAL REINF. FOR MAX OPENING DIMENSION/DIAMETER < 12"
 2.) WHERE INDICATED, PROVIDE REINFORCING LAP DIMENSION AS SPECIFIED IN GENERAL STRUCTURAL NOTES.
 3.) U.N.O. PROVIDE 2X OPENING WIDTH/DIAMETER BETWEEN EDGE OF OPENING AND WALL/SLAB FREE EDGE.

5 CONCRETE FLOOR/WALL OPENING DETAIL
 N.T.S.



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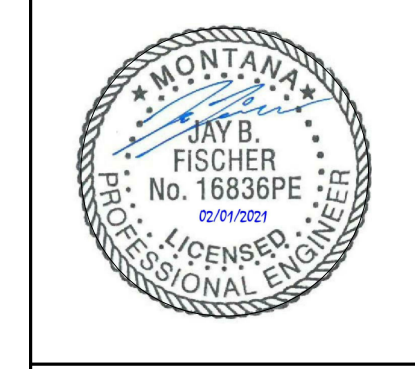
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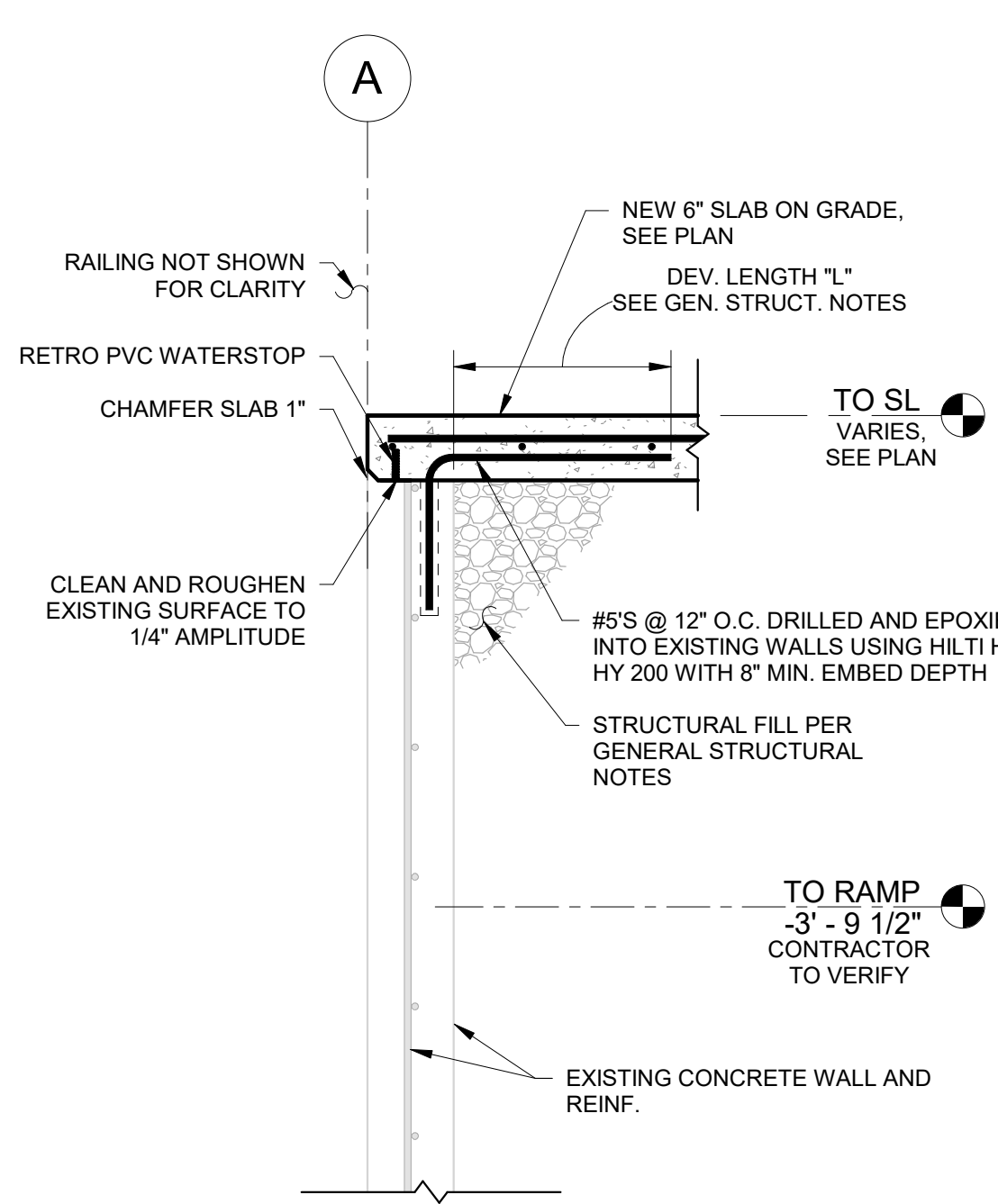
PPA#19-0210

MMI #: 0747.076

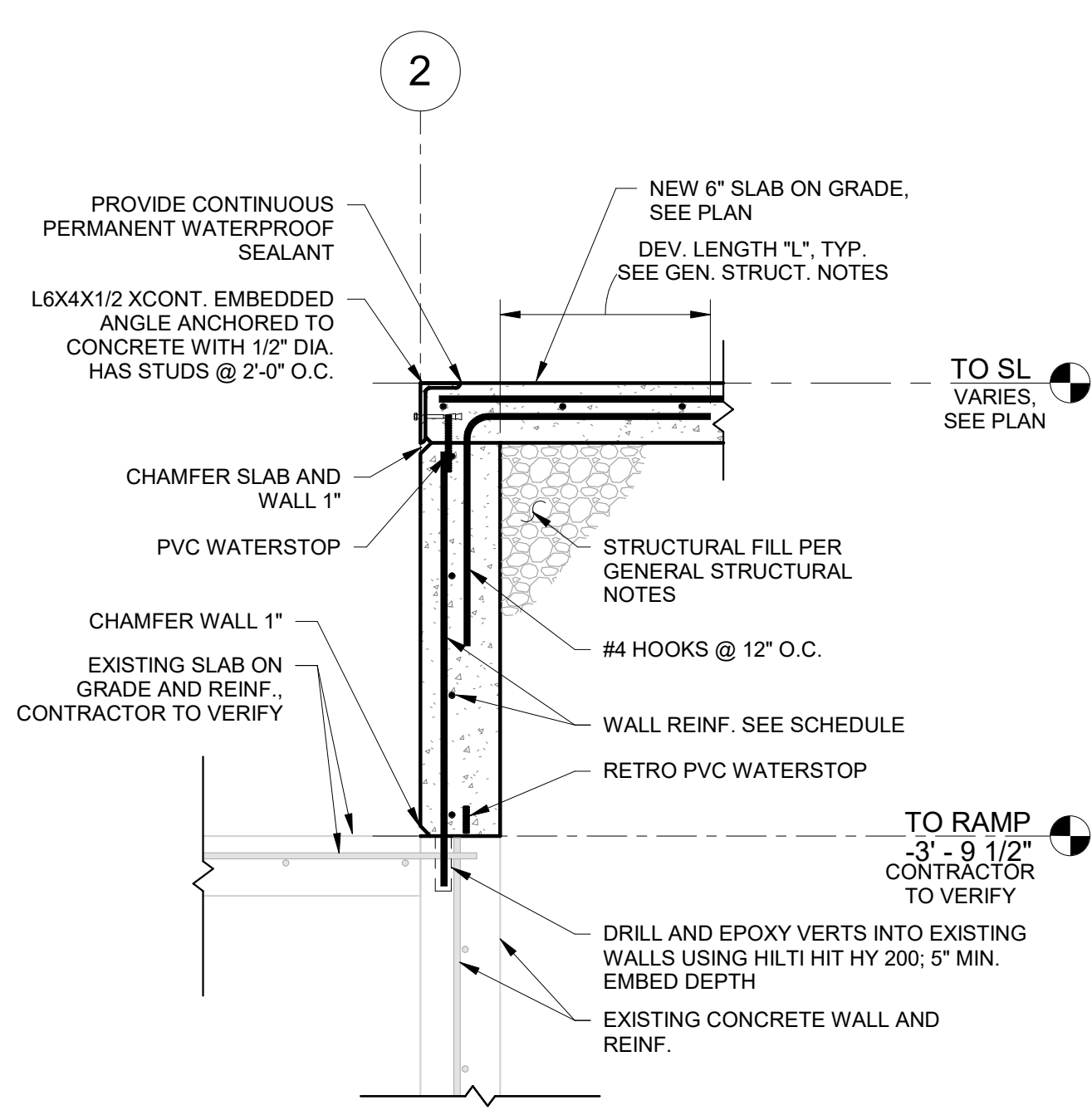
SHEET TITLE
SLAB DETAILS

SHEET
S2.1

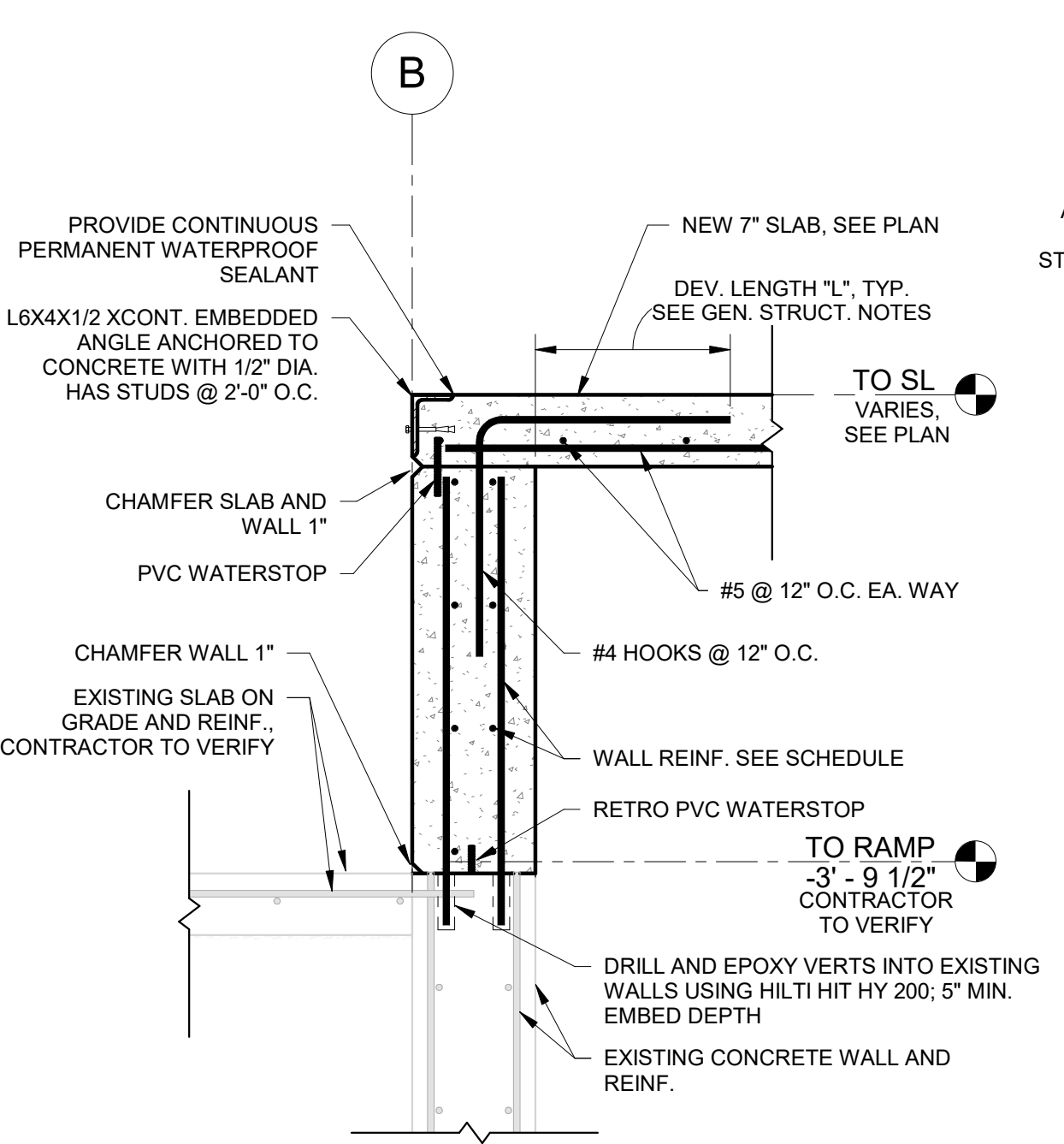
DATE
02/01/2021



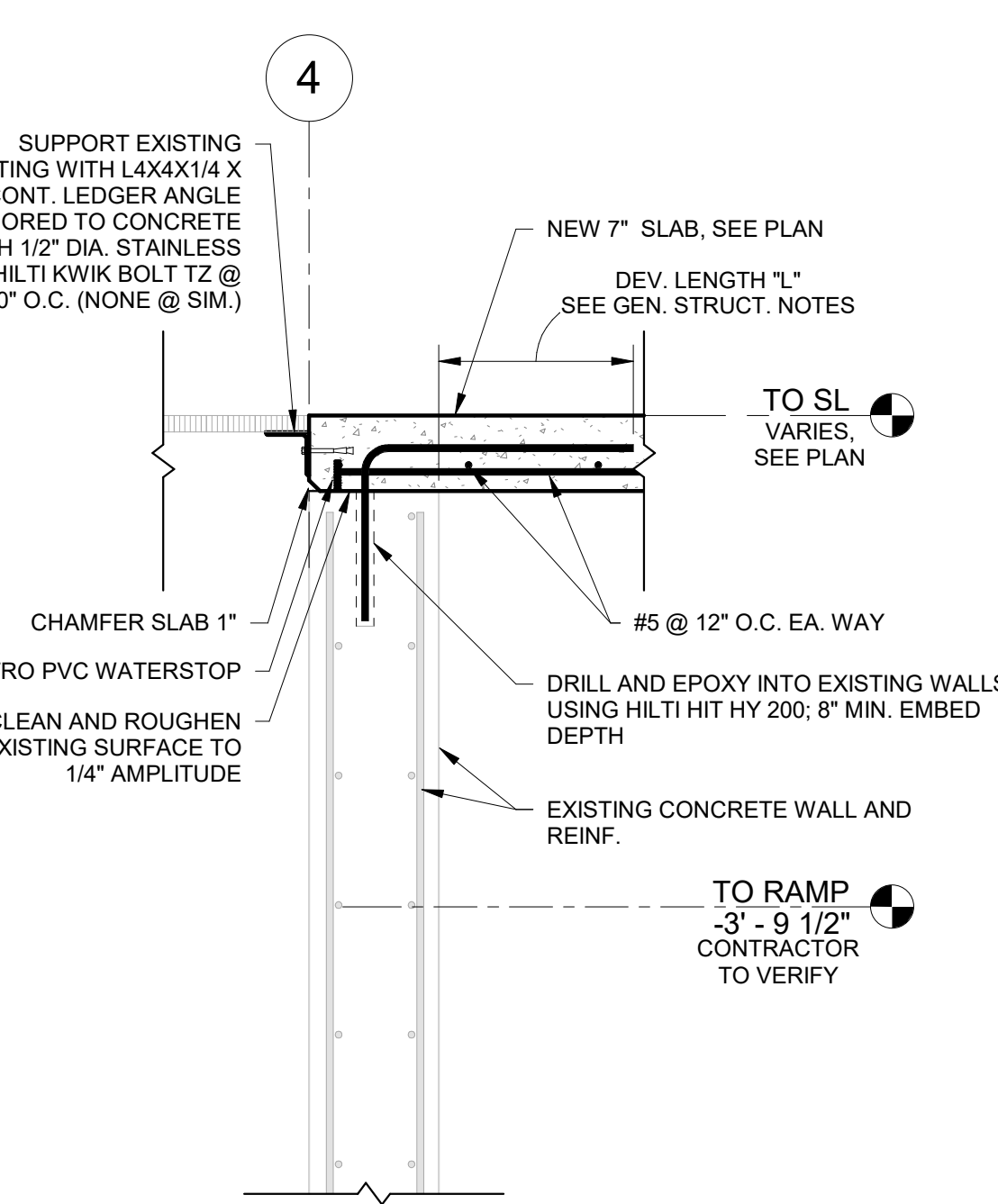
1 SLAB SECTION
3/4" = 1'-0"



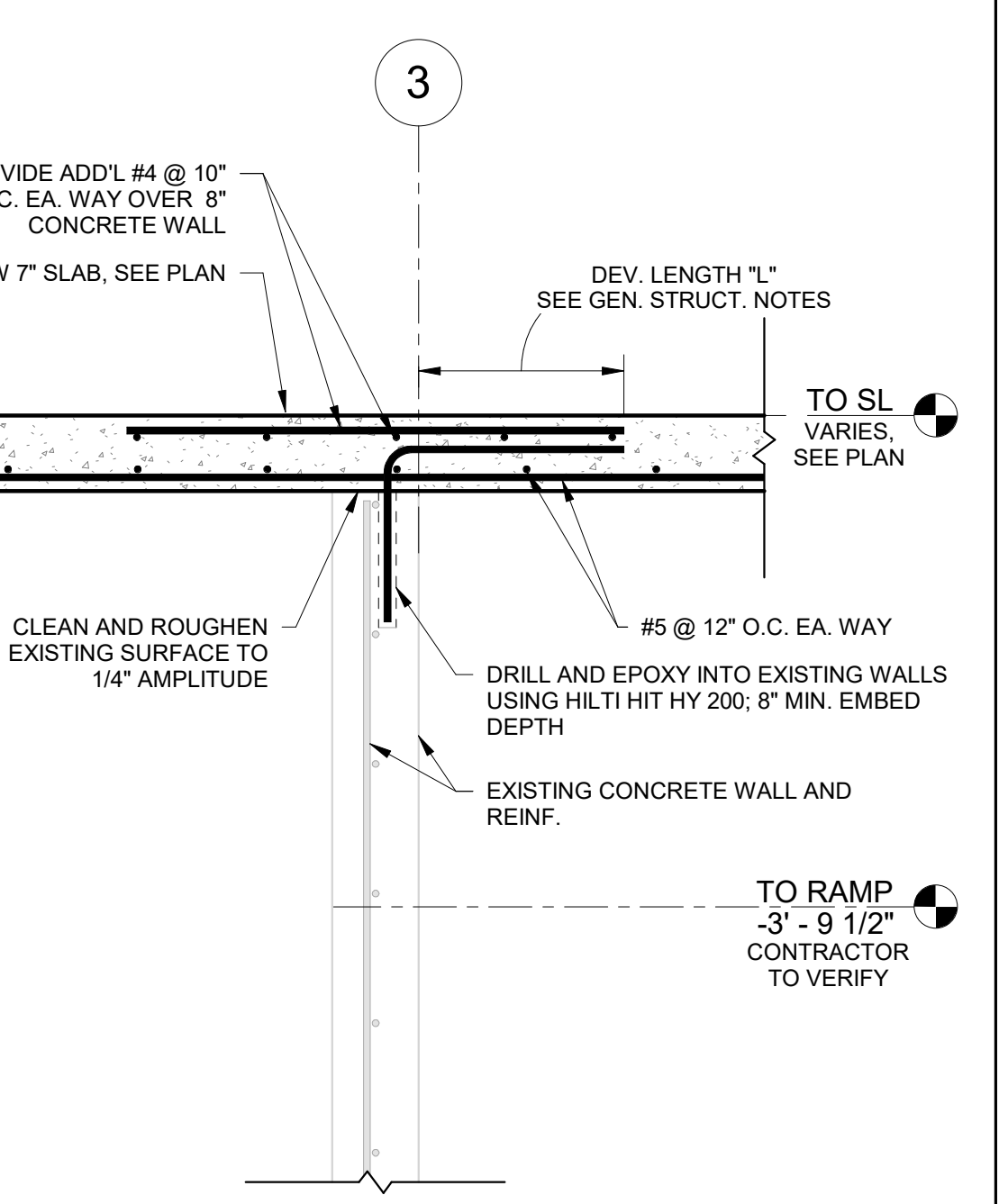
2 SLAB SECTION
3/4" = 1'-0"



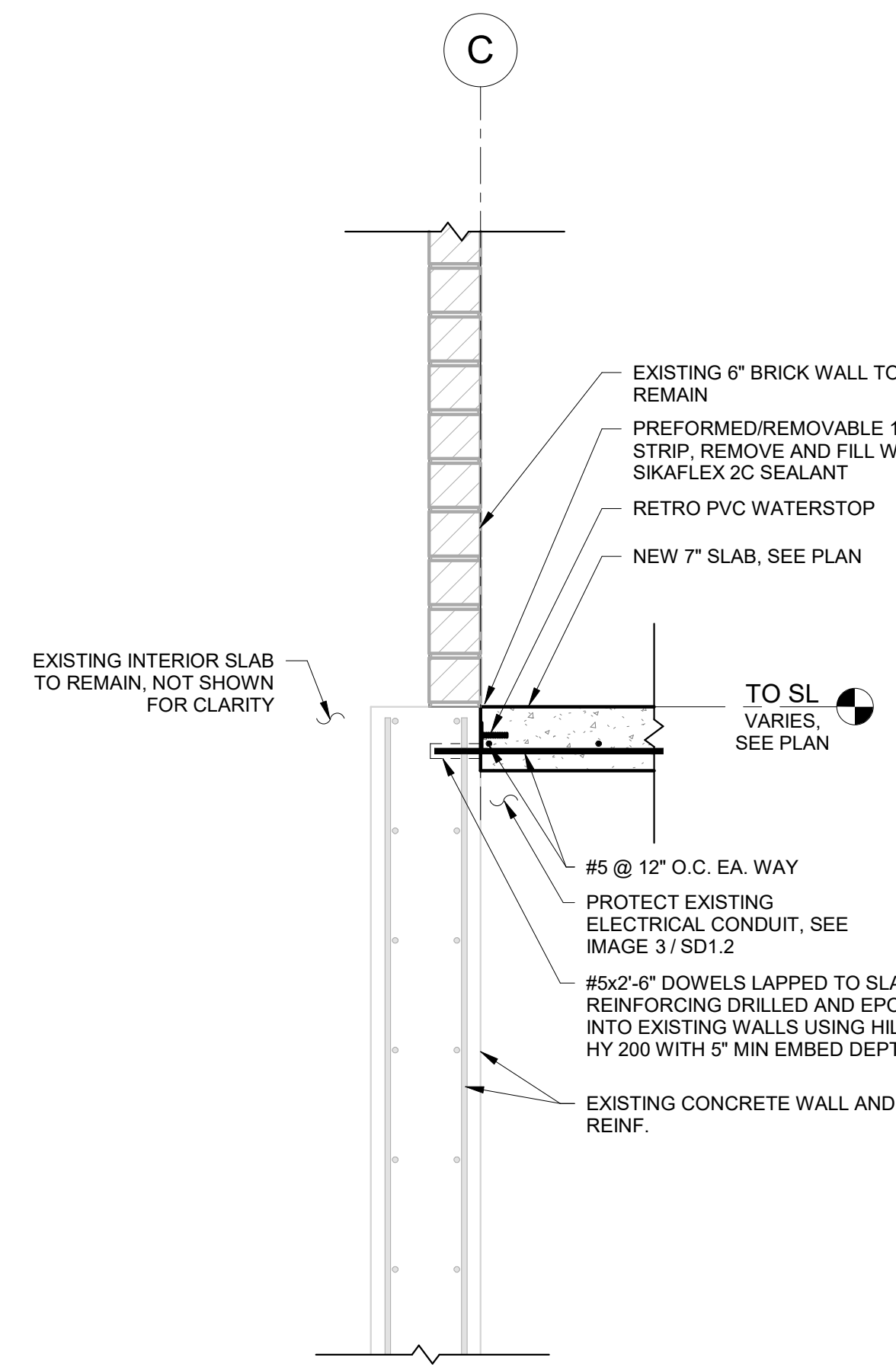
3 SLAB SECTION
3/4" = 1'-0"



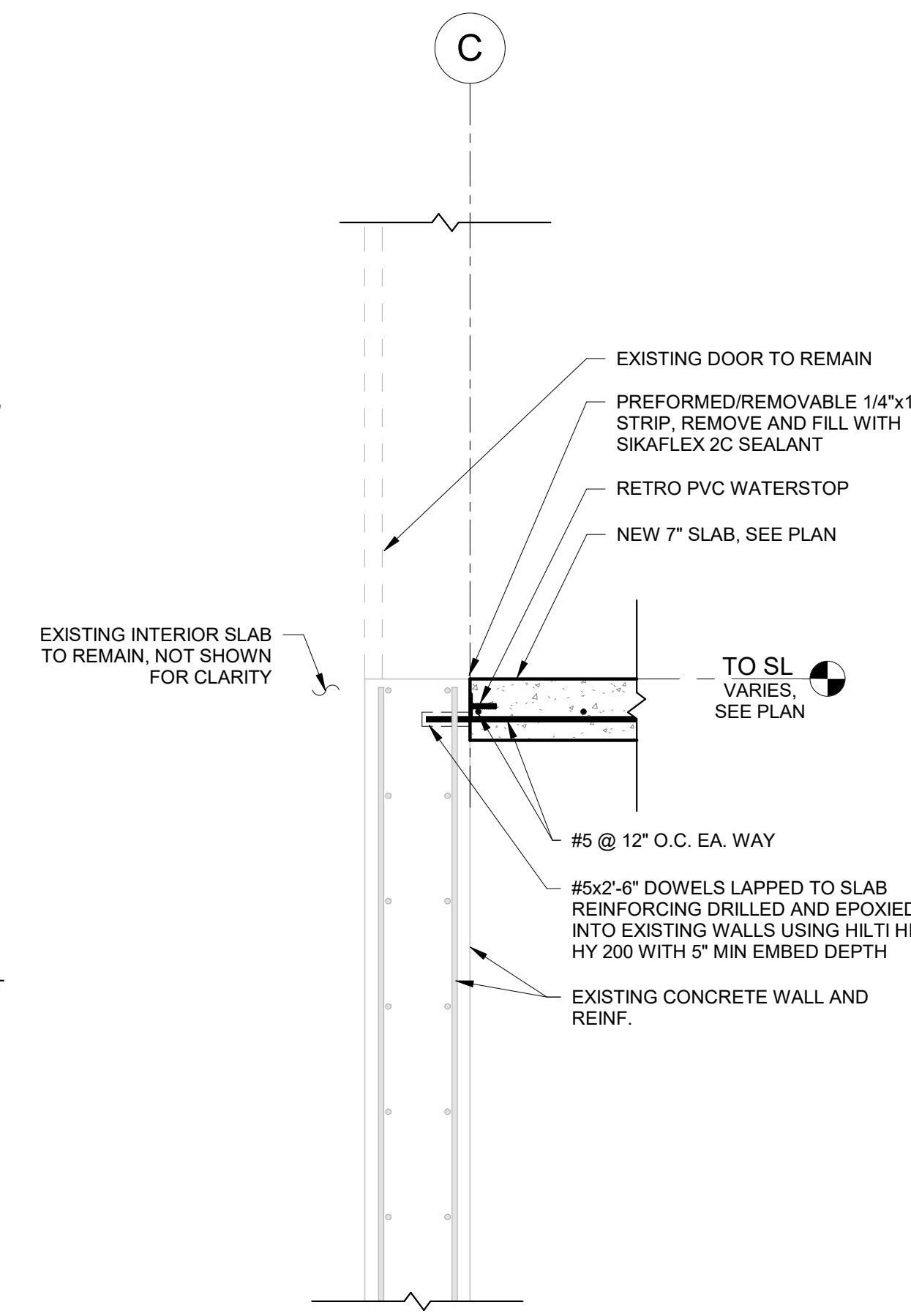
4 SLAB SECTION
3/4" = 1'-0"



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



6 SLAB SECTION AT BUILDING
3/4" = 1'-0"



7 SLAB SECTION AT BUILDING
3/4" = 1'-0"



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SHEET TITLE
SLAB SECTIONS

SHEET
S2.2

DATE
02/01/2021