

ADDENDUM NO. 1

ISSUED October 26, 2020

to the Request For Proposal (RFP) for:

**THE CITY OF MYRTLE BEACH
SANDY PATCH TRANSFER STATION
RFP 21-R0006
MYRTLE BEACH, SOUTH CAROLINA**

Prepared by: Civil & Environmental Consultants, Inc.
3701 Arco Corporate Drive, Suite 400
Charlotte, NC 28273
CEC Project Number: 194-427

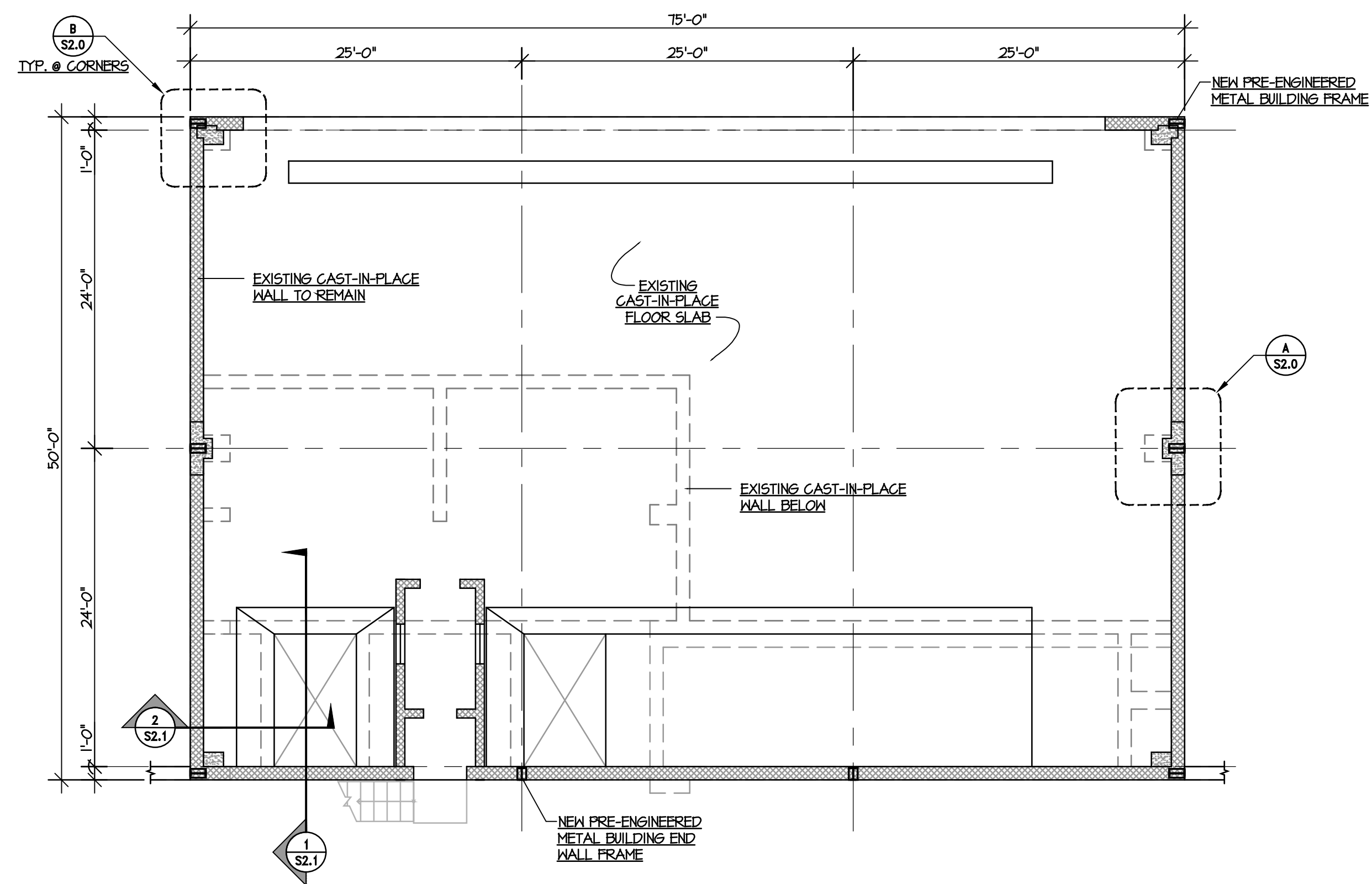
The following revisions, additions, and clarifications are hereby made part of the Bid Documents and Technical Specifications for the above-referenced project and shall be taken into account in the preparation of all proposals and the execution of all Work. Bidders shall acknowledge receipt of the addendum in the appropriate space on the Bid Form.

ADDITIONS TO RFP DOCUMENT

- Ad-1 Transfer Station as-builts entitled “Transfer Station & Public Work Building” Dated October 28, 1976 and revised February 24, 1989 & January 31, 2004 has been attached to this addendum.
- Ad-2 Transfer Station Structural Drawings entitled “A Replacement Building for Garbage Transfer Station” Dated March 17, 2017 has been attached to this addendum.

END OF ADDENDUM





**EXISTING CONTROL LEVEL
 FLOOR PLAN**
 SCALE ===== 1/8" = 1'-0"

STRUCTURAL/GENERAL NOTES:

- AS PART OF MEANS AND METHODS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND ERECTION OF TEMPORARY BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURAL SYSTEM AND STRUCTURAL COMPONENTS DURING ALL PHASES OF CONSTRUCTION. WEATHERLY ENGINEERING ARE NOT PROVIDERS FOR THE DESIGN OF SHORING, SCAFFOLDING, FORMING OR PROJECT SAFETY. THOUGH A REPRESENTATIVE MAY VISIT THE SITE, OUR PERSONNEL ARE NOT HIRED OR TRAINED IN THE PROJECT SAFETY REQUIREMENTS AS REQUIRED BY REGULATIONS OR SPECIFIED BY THE CONTRACTOR AND/OR HIS SAFETY OFFICER(S). MEANS AND METHODS ARE SOLELY THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL SLOTS, PIPE SLEEVES, ANCHOR BOLTS, ETC. AS REQUIRED FOR ALL TRADES PRIOR TO CONSTRUCTING THAT PORTION OF THE PROJECT.
- CONTRACTOR SHALL MAKE NO DEVIATIONS FROM DESIGN DRAWINGS AND SPECIFICATIONS WITHOUT WRITTEN APPROVAL OF THE ARCHITECT AND/OR STRUCTURAL ENGINEER.
- THE CONTRACTOR SHALL BUILD THIS PROJECT IN ACCORDANCE TO ALL APPLICABLE BUILDING CODES AND SAFETY STANDARDS AND/OR REGULATIONS.

GEOTECHNICAL:

- A GEOTECHNICAL ENGINEER AND/OR TESTING LABORATORY SHALL BE RETAINED FOR THE PURPOSES OF ASSURING ADEQUATE SOIL SUPPORT FOR FOUNDATION AND SLABS-ON-GRADE (INCLUDING EXTERIOR CONCRETE PADS). A COPY OF ALL TEST REPORTS SHALL REMAIN ON FILE AT THE JOB SITE AVAILABLE FOR THE DESIGN TEAM. ANY TESTS DEEMED UNACCEPTABLE SHALL BE COPIED AND SENT TO THE ARCHITECT AND STRUCTURAL ENGINEER. THE CONTRACTOR SHALL FORWARD COPIES OF ALL REPORTS TO THE OWNER AS REQUIRED BY THEIR AGREEMENT.
- TOP OF ALL SPREAD FOOTINGS SHALL BE A MINIMUM OF 12" BELOW FINISHED GRADE UNLESS NOTED OTHERWISE (NO).
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXCAVATIONS AND SLOPES.
- WEATHERLY ENGINEERING ARE NOT RESPONSIBLE FOR TRASH, DEBRIS, SOFT AREAS FOR ANY OTHER ANOMALY WHICH MAY FOUND UNDER THE BUILDING SITE WHETHER PLACED THERE OR NATURALLY OCCURRING.

CONCRETE:

- ALL CONCRETE AND REINFORCING BARS SHALL BE INSTALLED ACCORDING TO STANDARDS SET FORTH BY THE LATEST EDITION OF ACI-318.
- REINFORCEMENT SHALL BE HELD IN PLACE DURING CONCRETE PLACEMENT. IF REQUIRED, ADDITIONAL BARS MAY BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS.
- THE 28 DAY MINIMUM CONCRETE COMPRESSIVE STRENGTH OF CONCRETE FOR THIS PROJECT SHALL BE 4000 PSI. NO CALCIUM CHLORIDE SHALL BE USED IN MIX.
- THE CONTRACTOR SHALL TAKE ADDITIONAL PRECAUTIONS WHEN CONCRETE IS TO BE PLACED AND CURED DURING COLD OR HOT WEATHER. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS PRESCRIBED BY AMERICAN CONCRETE INSTITUTE FOR COLD OR HOT WEATHER CONSTRUCTION.
- NO ADDITIONAL WATER SHALL BE ADDED TO THE CONCRETE ABOVE THAT PRESCRIBED IN THE MIX DESIGN UNLESS APPROVED BY THE ARCHITECT OR STRUCTURAL ENGINEER.
- REINFORCING STEEL SHALL BE GRADE 60, MINIMUM LAP IN CONCRETE SHALL BE IN ACCORDANCE W/ ACI-318.
- WELDED WIRE FABRIC SHALL BE LAPPED A MINIMUM OF 1'-0".
- ALL PLUMBING SLOTS SHALL BE FILLED WITH CONCRETE TO THE SAME DEPTH AS THE FLOOR SLAB AFTER PIPING IS INSTALLED.
- THE CONTRACTOR, CONCRETE SUPPLIERS AND ALL RELATED SUBCONTRACTORS SHALL BE EXPERIENCED IN THE USE OF CONCRETE ADMIXTURES, SEALERS, CURING COMPOUNDS, ETC. AS SPECIFIED IN THE CONTRACT DOCUMENTS OR IN THE CONCRETE MIX.
- UNLESS SPECIFIED OTHERWISE, THE CONTRACTOR SHALL SPACE SLAB JOINTS NOT EXCEED 36 TIMES THE SLAB THICKNESS PER ACI (AMERICAN CONCRETE INSTITUTE). THE WIDTH TO LENGTH OF JOINTED SECTIONS SHALL NOT EXCEED THE RATIO OF 1 TO 1-1/2.
- ALL ANCHOR BOLTS SHALL EXTEND TO BOTTOM OF FOOTING - THE CONTRACTOR SHALL PROVIDE 3 INCHES OF CONCRETE COVER. DEPENDING ON THE METHOD OF CONSTRUCTION AND FIELD CONDITIONS, THE CONTRACTOR MAY BE REQUIRED TO INSTALL LEVELING NUTS AND NON-SHRINK GROUT AS NEEDED TO PROVIDE ADEQUATE CONTACT BELOW ALL STEEL COLUMN BASE PLATES.

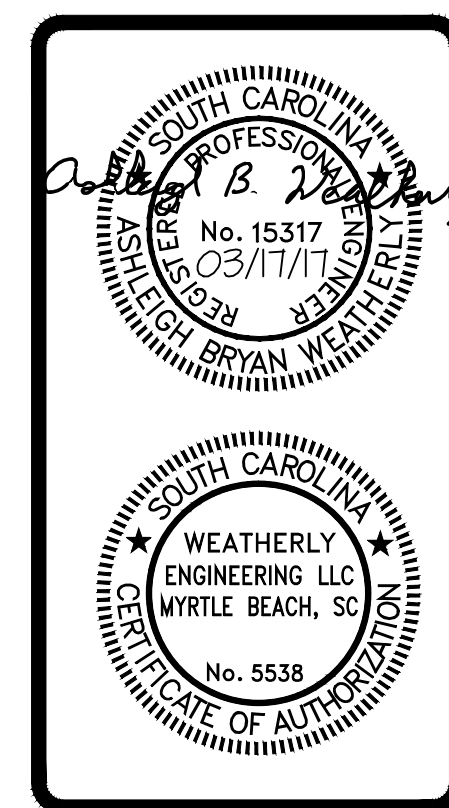
PRE-ENGINEERED METAL BUILDING AND COMPONENTS:

- THE METAL BUILDING DESIGN FOR THIS PROJECT IS PROPRIETARY AND SHALL BE PERFORMED UNDER THE SUPERVISION OF A SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER.

LOAD TABLE	
2015 INTERNATIONAL BUILDING CODE AND ASCE 7-10	
RISK CATEGORY: = II	
LIVE LOADS:	
1. UNIFORM FLOOR LOAD =	250 psf
2. ROOF LOADS:	
A. Basic roof live load =	20 psf
Note: It shall be unlawful to place, cause or permit to be placed, on any floor or roof of a building, structure, or portion thereof, a load greater than is permitted by these requirements. (per IBC 1603.2)	
DEAD LOADS:	
1. USE ACTUAL DEAD LOADS OF MATERIALS	
SNOW LOADS:	
GROUND SNOW LOAD - P _g = 10 psf	
WIND LOADS:	
V _{ultimate} = 147 (mph)	
V _{asp} = 114 (mph)	
WIND EXPOSURE = C	
In wind borne regions, glazed openings shall be protected in the accordance with IBC 2015, ASCE 7-10 & local codes/requirements.	
INTERNAL PRESSURE COEFFICIENT:	
Partially Enclosed Building +/- 55%	
SEISMIC LOADS:	
SOIL SITE CLASS - D	
SEISMIC IMPORTANCE FACTOR - I _e = 1.0	
SPECTRAL RESPONSE ACCELERATIONS	
S _s = 0.52	S ₁ = 0.19
SPECTRAL RESPONSE COEFFICIENTS	
S _{ds} = 0.48	S _{d1} = 0.26
SEISMIC DESIGN CATEGORY = D	
* Much of the information presented in this load table originates from the applicable building code(s). The structural design for systems such as metal studs, exterior doors, windows, skylights, roofing systems, etc. will be more complicated and more building specific than indicated in this table. Designers and suppliers must refer to the applicable building codes, site conditions and architectural drawings to adequately design and / or specify their individual components and systems.	

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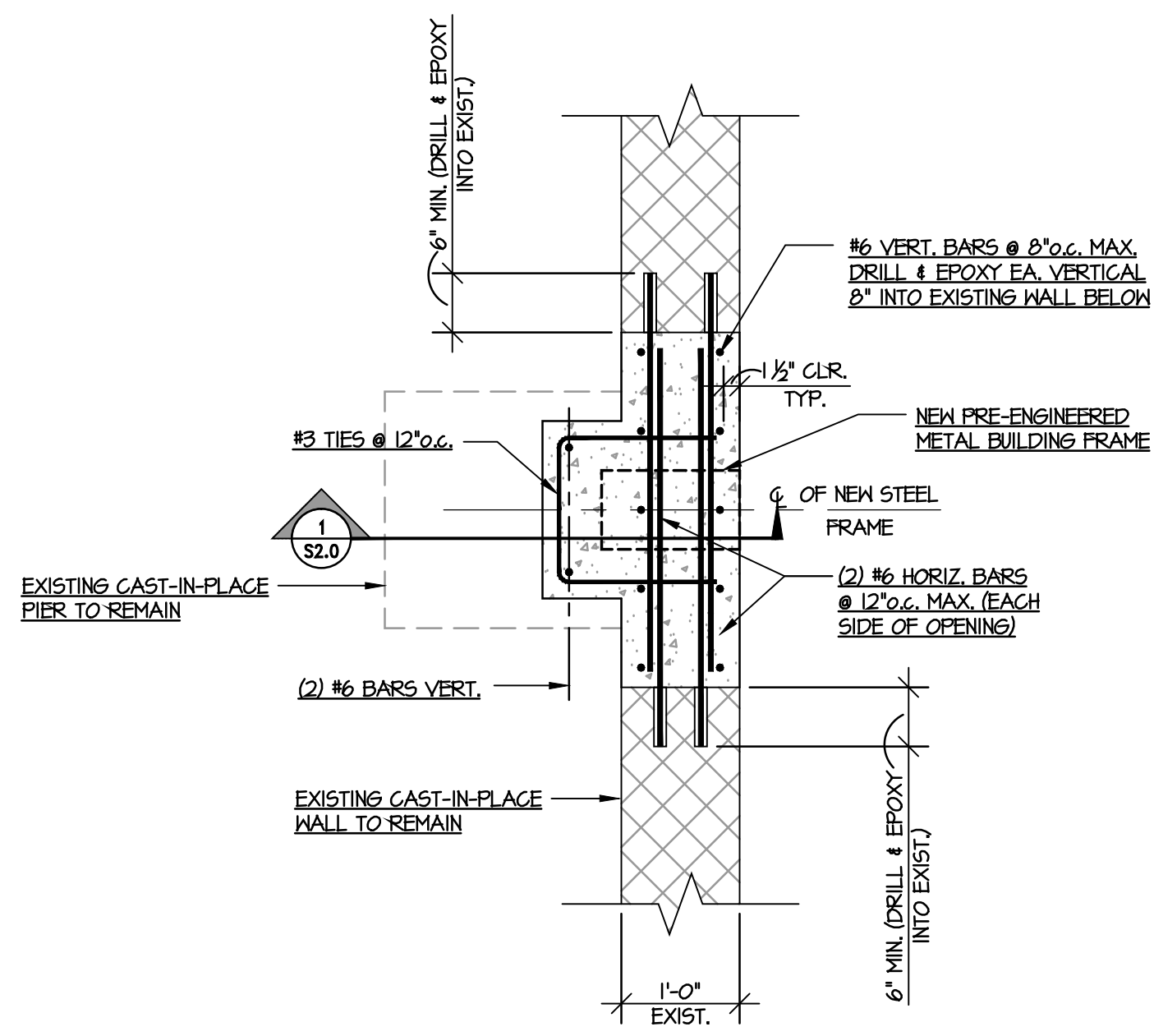
Partner In Charge	ABW
Project Engineer	ABW
Drawn By	AGB
Date Drawn	3/17/17
Revisions	
No. _____	Date _____
No. _____	Date _____
No. _____	Date _____
No. _____	Date _____
Issue Date	_____



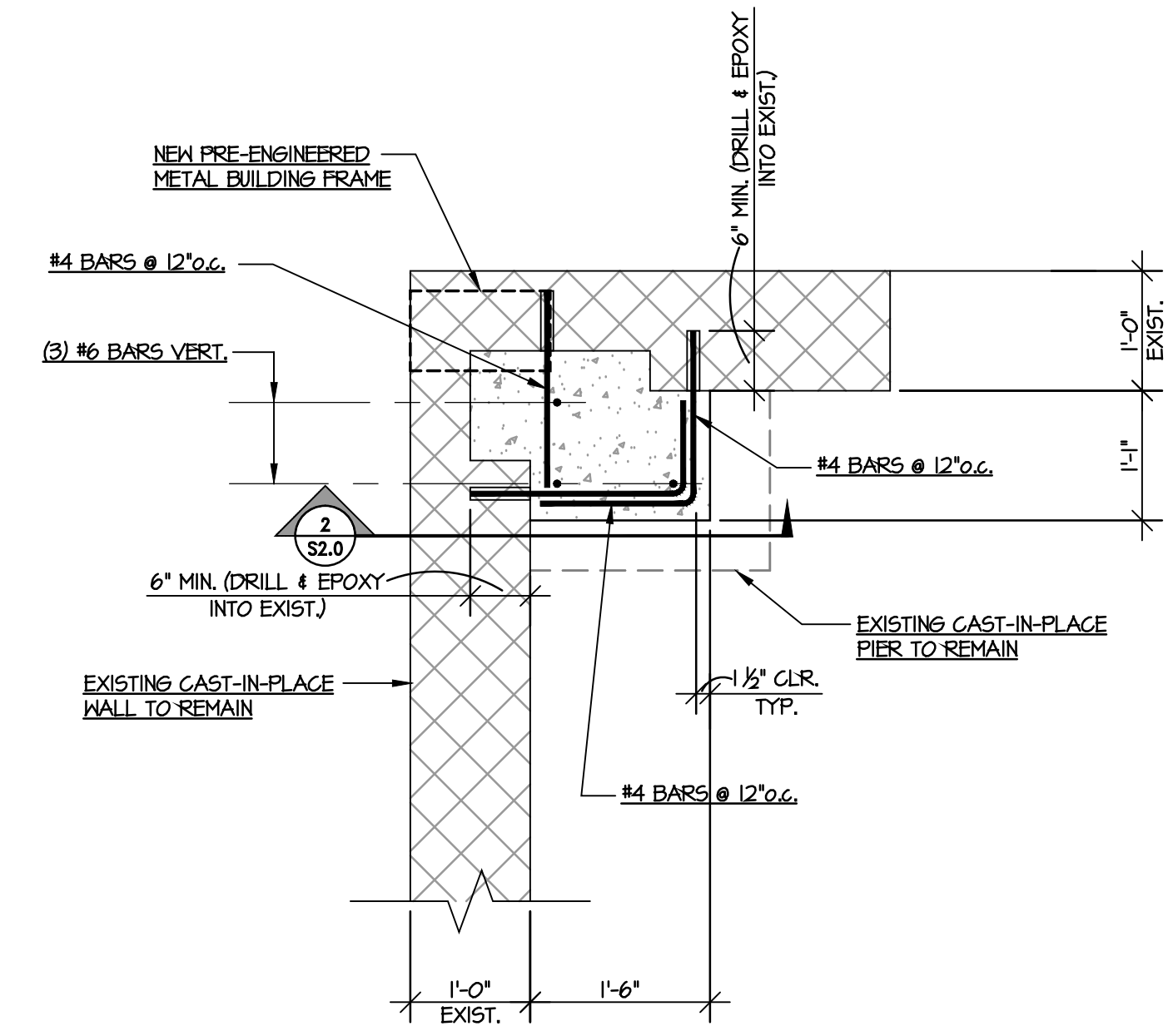
A REPLACEMENT BUILDING
 FOR
GARBAGE TRANSFER STATION
 Myrtle Beach, South Carolina

Weatherly
 STRUCTURAL ENGINEERS
 514 Alder Street, Myrtle Beach, South Carolina
 Ph. 448.448.3428 - Fax: 843.445.9116

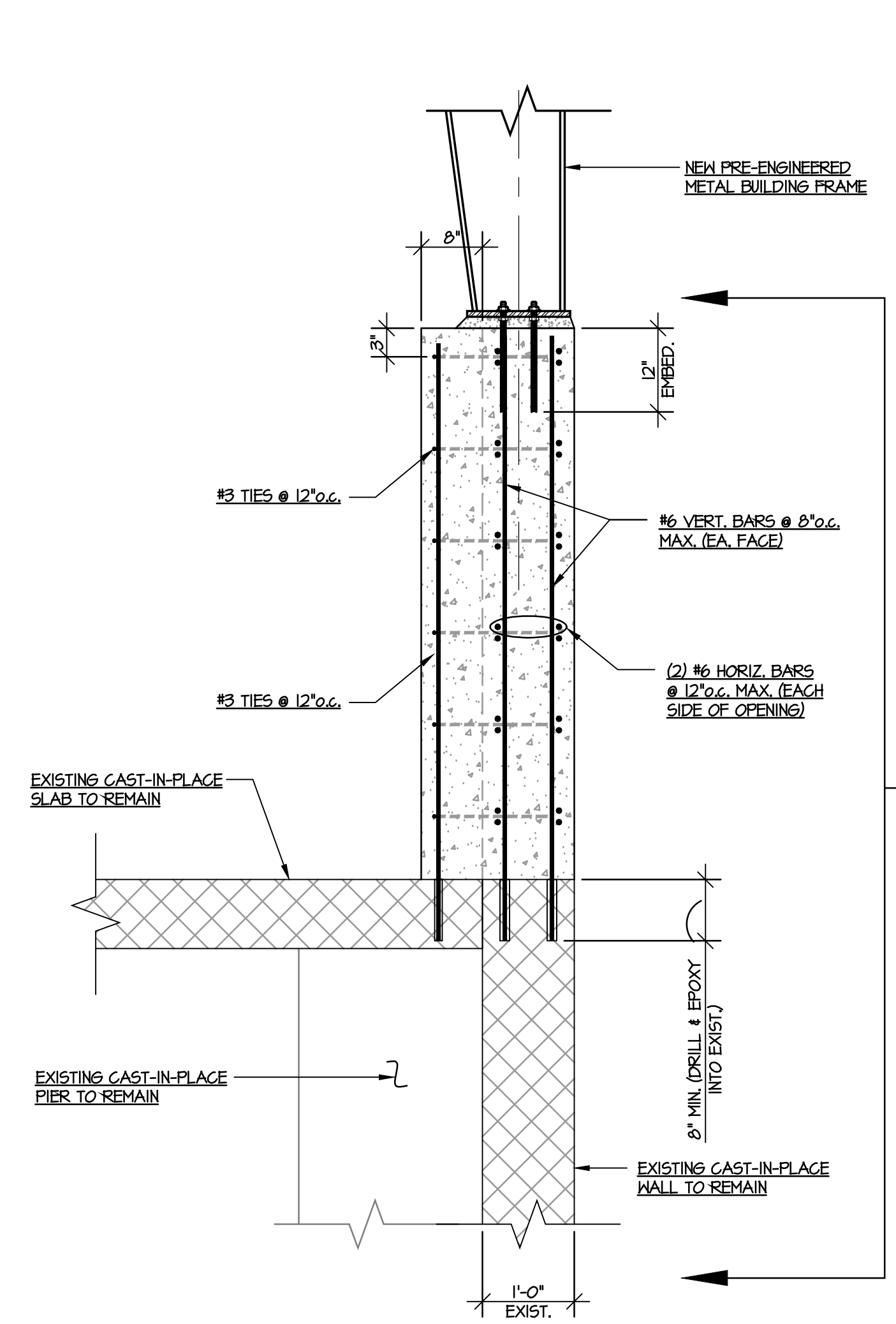
Project Number
WE-17-119
 Sheet
S1.0



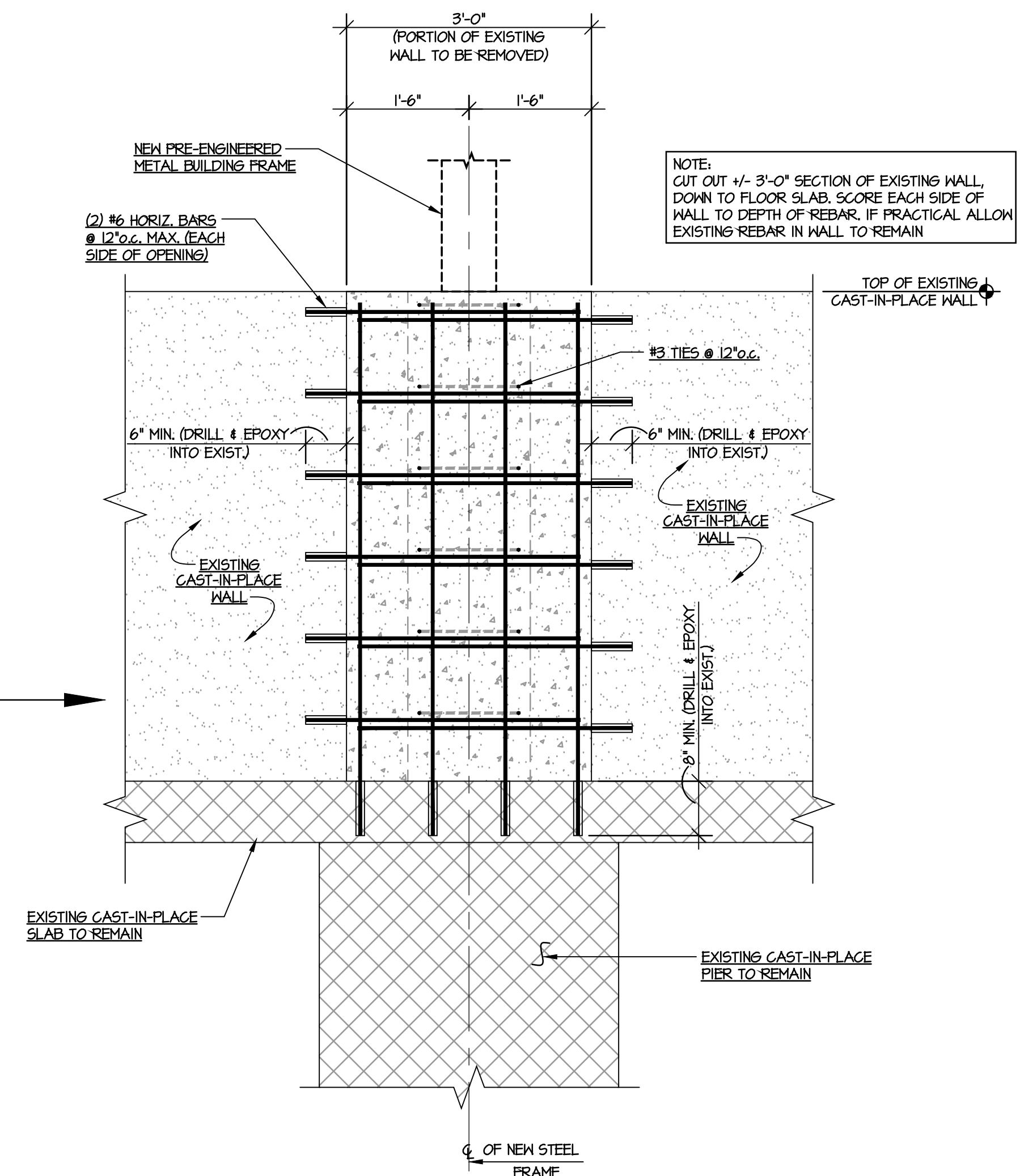
PLAN VIEW A
 SCALE === 3/4"=1'-0" S2.0



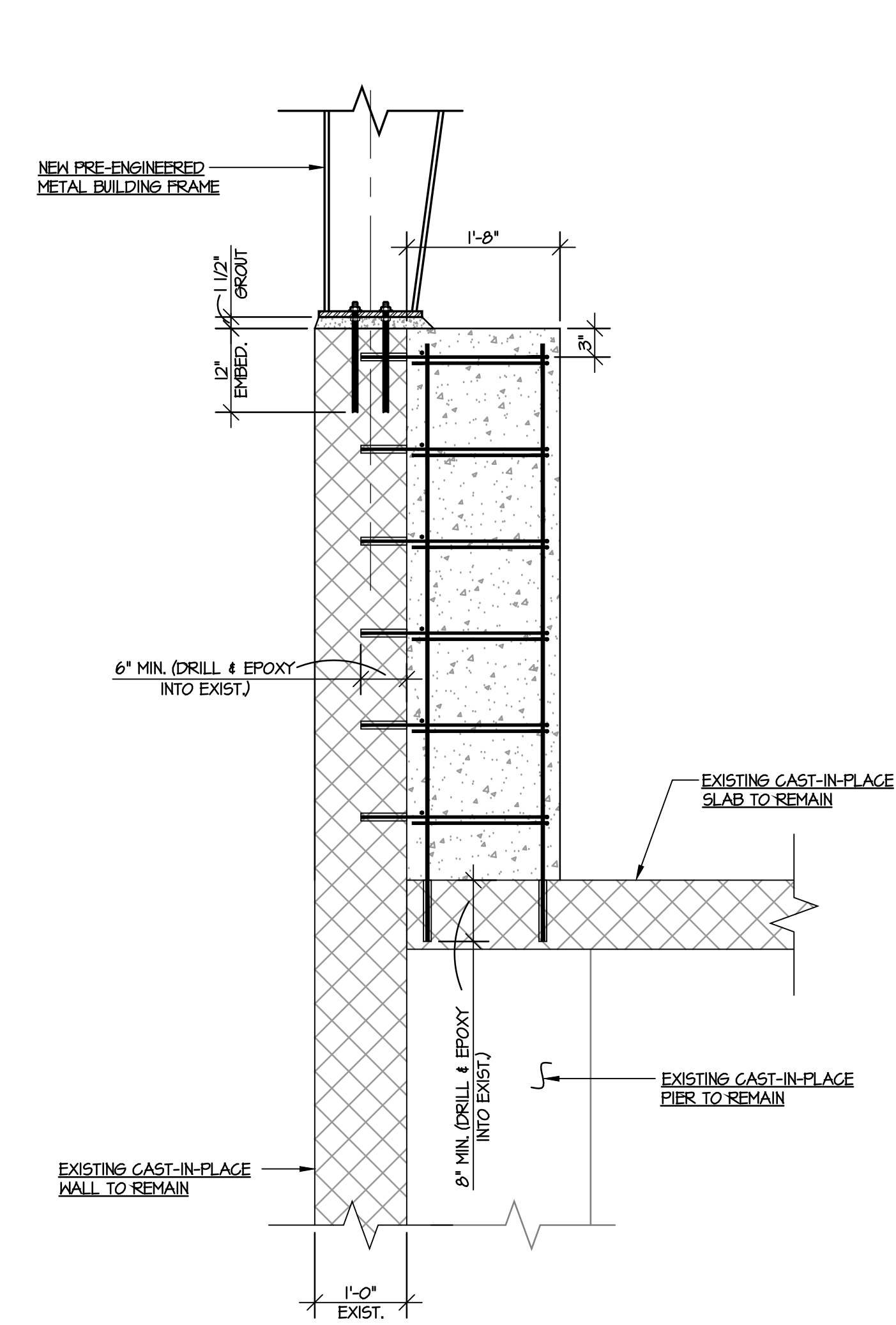
PLAN VIEW B
 SCALE === 3/4"=1'-0" S2.0



SECTION 1
 SCALE === 3/4"=1'-0" S2.0

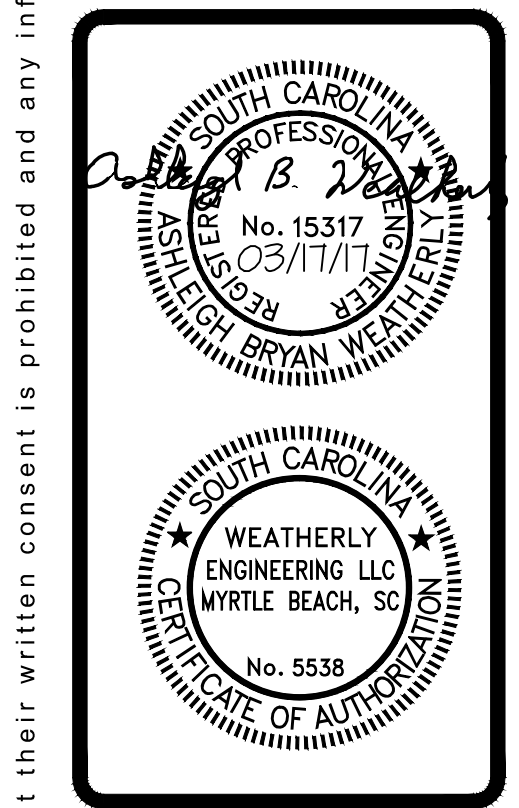


ELEVATION



SECTION 2
 SCALE === 3/4"=1'-0" S2.0

Partner In Charge	ABW
Project Engineer	ABW
Drawn By	AGB
Date Drawn	3/17/17
Revisions	
No. _____	Date _____
No. _____	Date _____
No. _____	Date _____
No. _____	Date _____
Issue Date	

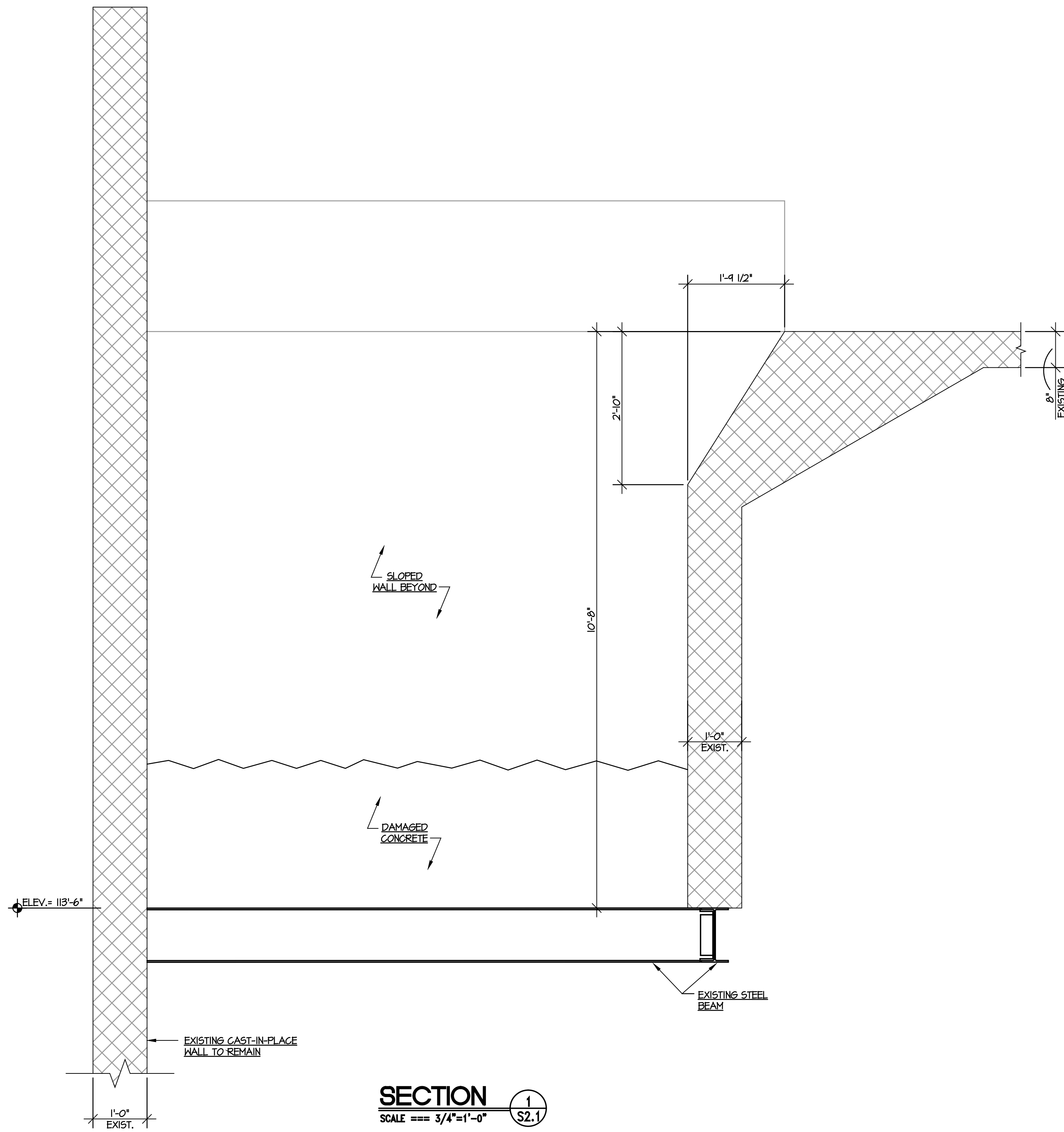


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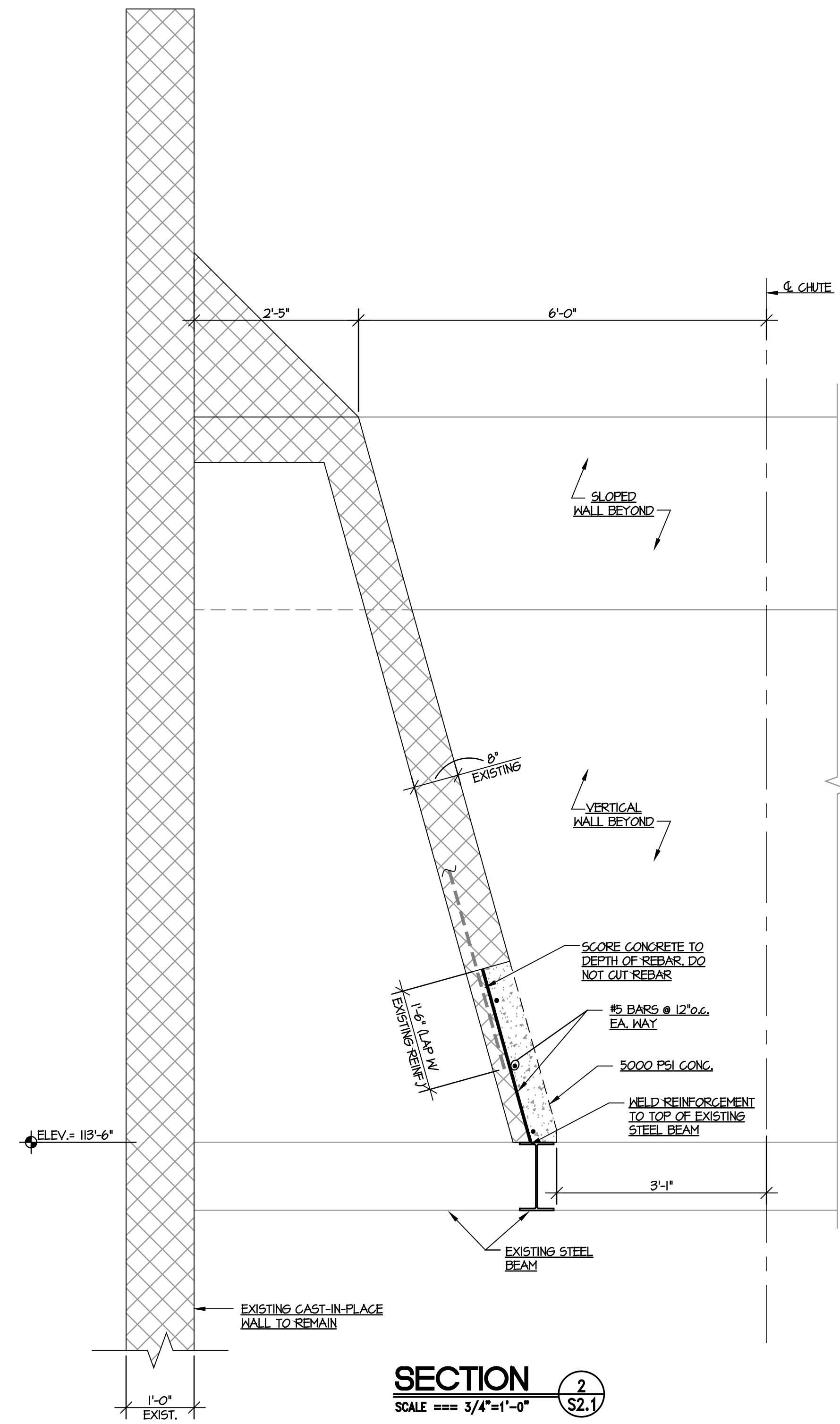
Project Number	WE-17-119
Sheet	S2.0

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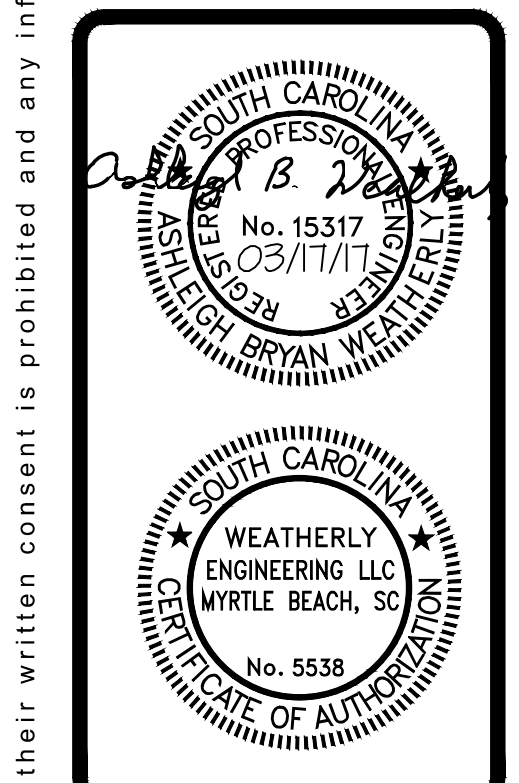
SECTION 1
 SCALE === 3/4"=1'-0"
 S2.1

- CONSTRUCTION SEQUENCE:**
1. SCORE CONCRETE EACH SIDE OF CHUTE TO DEPTH OF REBAR WITH CUT CUTTING REBAR.
 2. ADD ADDITIONAL REBAR AS REQUIRED AND WELD TO EXISTING STEEL BEAM.
 3. REBAR MAY BE DRILLED AND EPOXIED INTO EXISTING CONCRETE IF REBAR IS DAMAGED OR CUT.



SECTION 2
 SCALE === 3/4"=1'-0"
 S2.1

Partner In Charge	
ABW	Project Engineer
ABW	Drawn By
AGB	Date Drawn
3/17/17	
Revisions	
No. _____	Date _____
No. _____	Date _____
No. _____	Date _____
No. _____	Date _____
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