UPSTATE -
WATER INFILTRATION REPAIRS AT HEC

STATE PROJECT NUMBER: H34-I384 50003391-2

DRAWING LEGEND

- OF — OVERFLOW DRAIN DOWNSPOUT NOZZLE
- W — WATER SUPPLY SPIGOT
- E — ELECTRICAL SUPPLY OUTLET
- EXISTING WALL SYSTEM
- THROUGH WALL FLASHING
- CJ — CONTROL JOINT
- WINDOW SYSTEMS AND CONFIGURATIONS

SITE LOCATIONS

USC - UPSTATE
HEALTH EDUCATION CENTER
AREA OF PROPOSED WORK
SPARTANBURG, SC 29303

FACILITY MAP

USC - UPSTATE
HEALTH EDUCATION CENTER
800 UNIVERSITY WAY
SPARTANBURG, SC 29303

LOCATION MAP

DRAWING SHEETS

W-1.0 COVER PAGE
W-1.1 PARTIAL EXISTING NORTH ELEVATION
W-1.2 NORTH ELEVATION REPAIR PLAN
D-1.1 DETAILS
D-1.2 DETAILS
D-1.3 DETAILS

JOB CONTACTS

WMBE
CHRIS WAITES
803-260-4532
CHRIS@WMBECONSULTANTS.COM

DANIEL ATWELL
803-422-7493
DANIEL@WMBECONSULTANTS.COM

JOE BAKER
843-499-2756
JOE@WMBECONSULTANTS.COM

ABBREVIATIONS

MIN	MINIMUM
MAX	MAXIMUM
NRCA	NATIONAL ROOFING CONTRACTORS ASSOCIATION
O.C.	ON CENTER
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION

CODE/INDUSTRY STANDARD REFERENCES

2018 IBC
2018 IEBC
2009 IECC
NRCA - LATEST EDITION
SMACNA - LATEST EDITION

Christopher T. Waites
REGISTERED ARCHITECT
NO. 7079
TIBEC

DESIGNED: CW

UPSTATE - WATER INFILTRATION REPAIRS AT HEC

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800 UNIVERSITY WAY
SPARTANBURG, SC 29303

BUILDING ENVELOPE CONSULTANTS, LLC

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EMAIL: CHRIS@WMBECONSULTANTS.COM
EMAIL: DANIEL@WMBECONSULTANTS.COM

CHARLESTON AREA OFFICE

3049 OLD U.S. 52, SUITE A-106
MONCKS CORNER, SOUTH CAROLINA
EMAIL: JOE@WMBECONSULTANTS.COM

NORTH

PROJECT NUMBER: 2019-174

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DATE: 5-18-2020

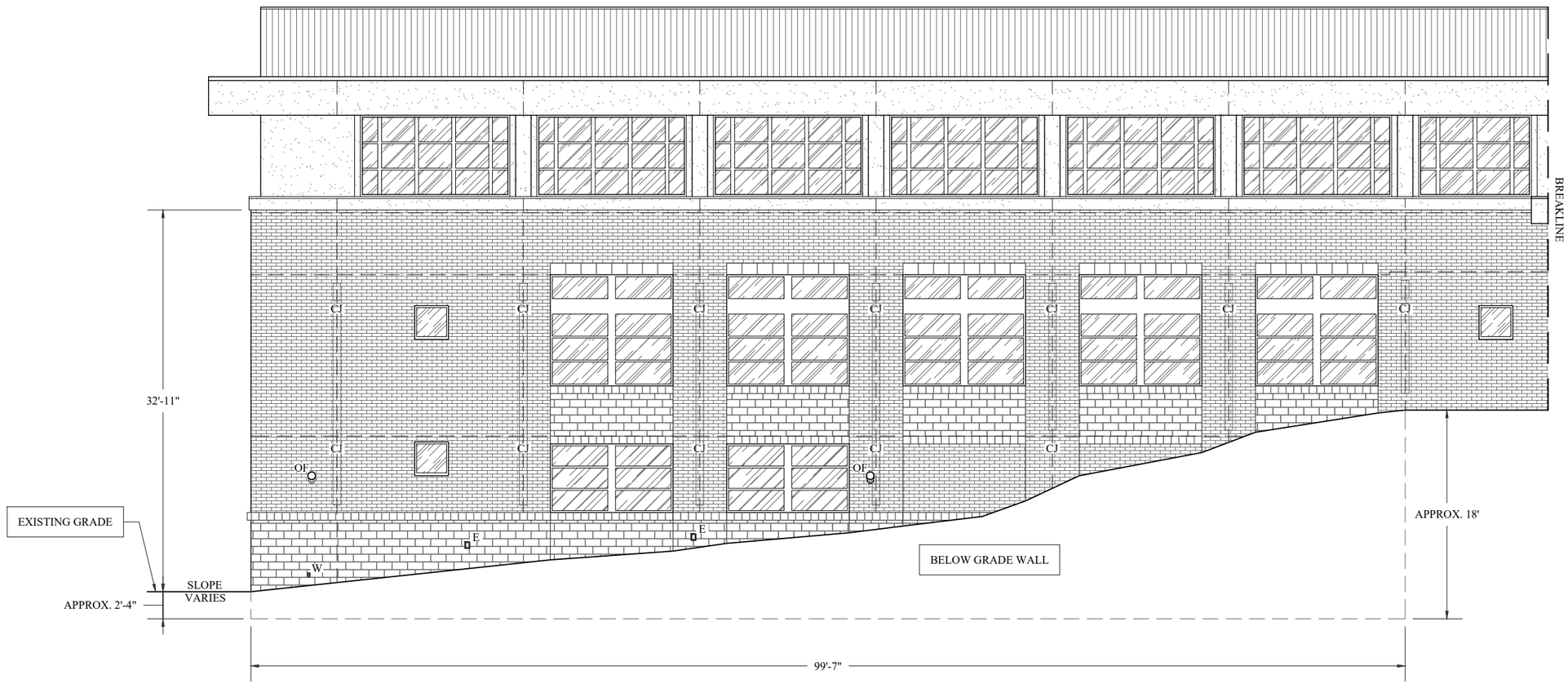
COVER PAGE

PAGE:

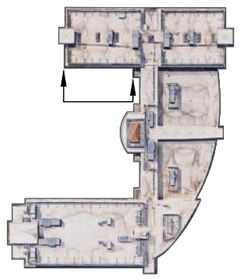
W-1.0

NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.



KEY PLAN



PARTIAL EXISTING NORTH ELEVATION

12' 9' 6' 3' 0 12' 24'

GRAPHIC SCALE

DESIGNED: CW

UPSTATE - WATER INFILTRATION REPAIRS AT HEC

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PARTIAL EXISTING NORTH ELEVATION

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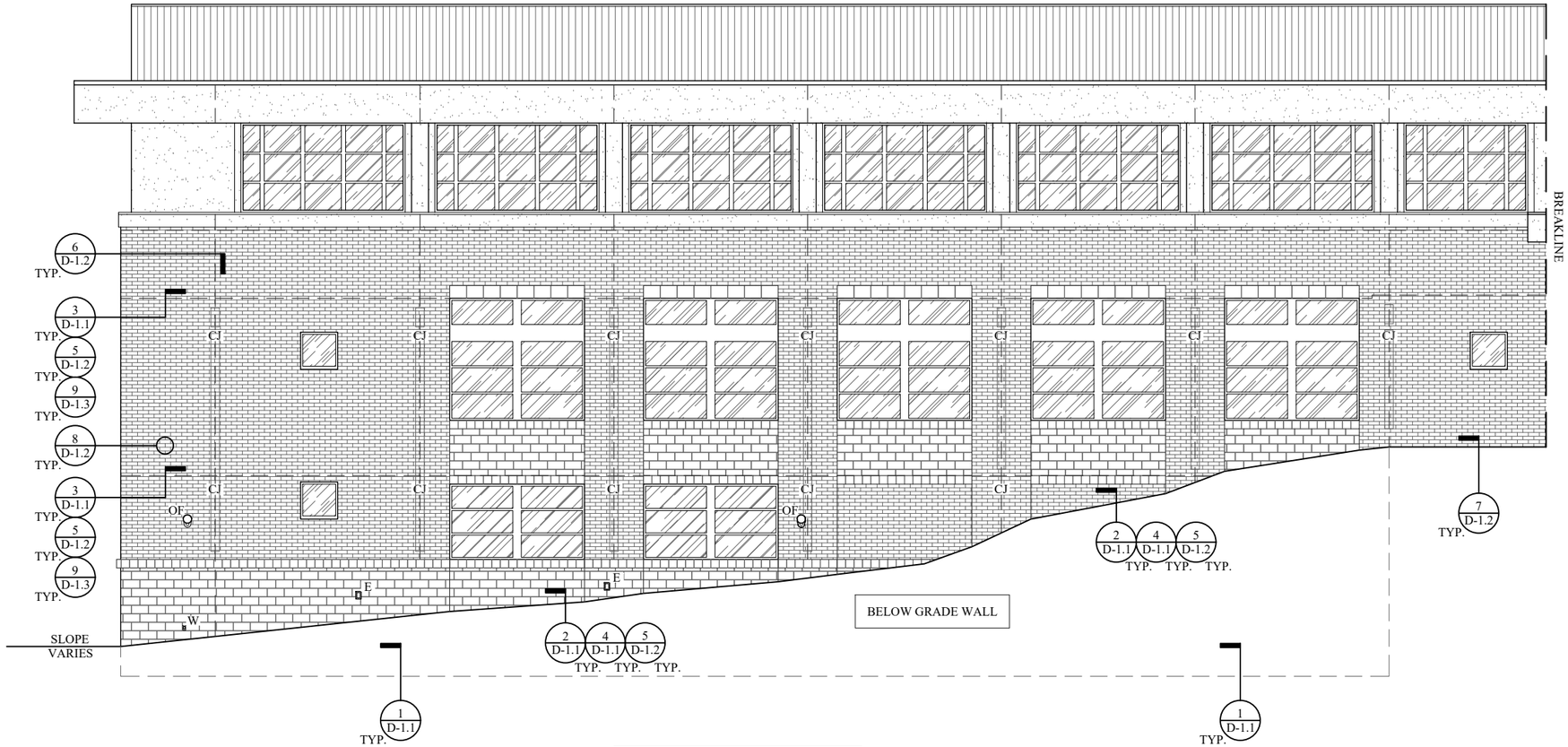

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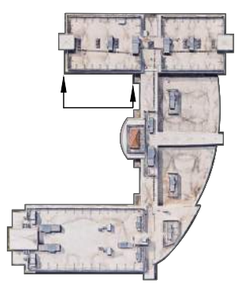

NOTES:

1. BASE BID SCOPE INCLUDES THE INSTALLATION OF BELOW GRADE WATERPROOFING AND NEW THROUGH WALL FLASHING ON THE NORTH ELEVATION.
2. ALTERNATE NUMBER ONE INCLUDES REPLACEMENT OF ALL SEALANTS ON THE NORTH ELEVATION AND 300 SQUARE FEET OF RE-POINTING OF MORTAR JOINTS.

NORTH ELEVATION REPAIR PLAN

12' 9' 6' 3' 0 12' 24'

GRAPHIC SCALE

DESIGNED: CW

UPSTATE - WATER INFILTRATION REPAIRS AT HEC

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NORTH ELEVATION REPAIR PLAN

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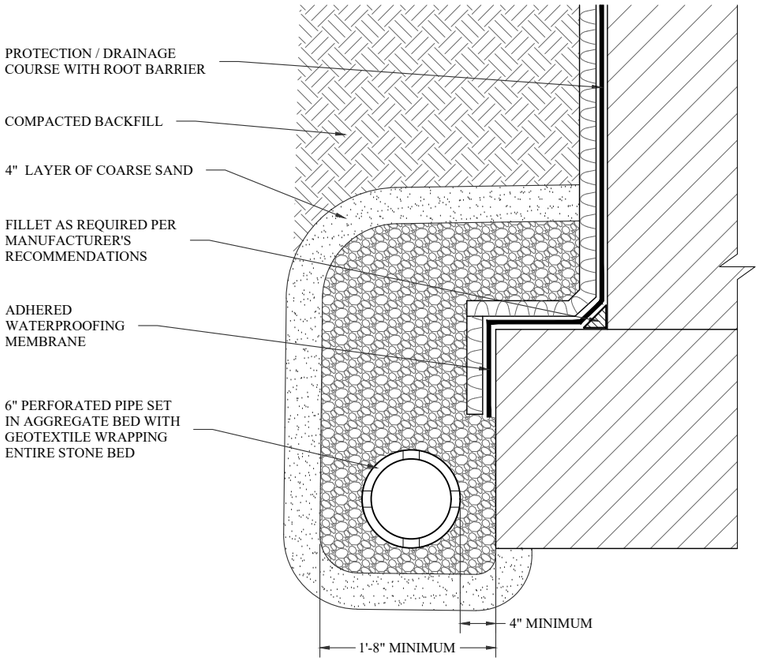
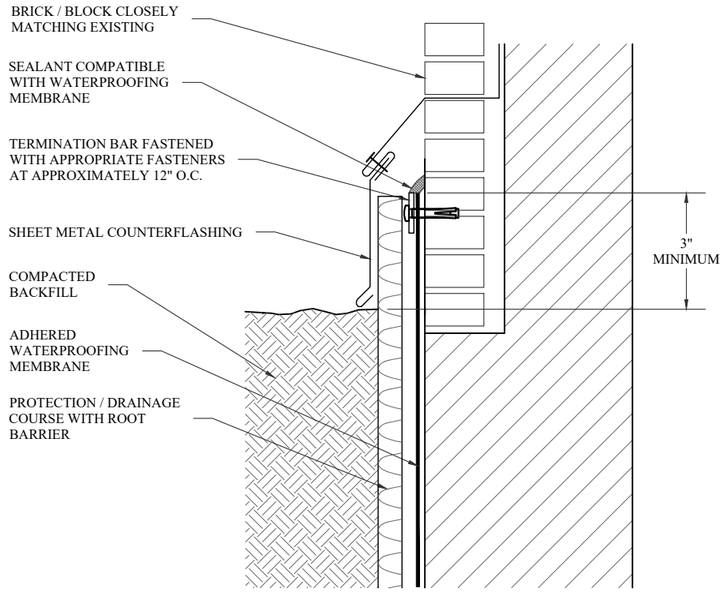


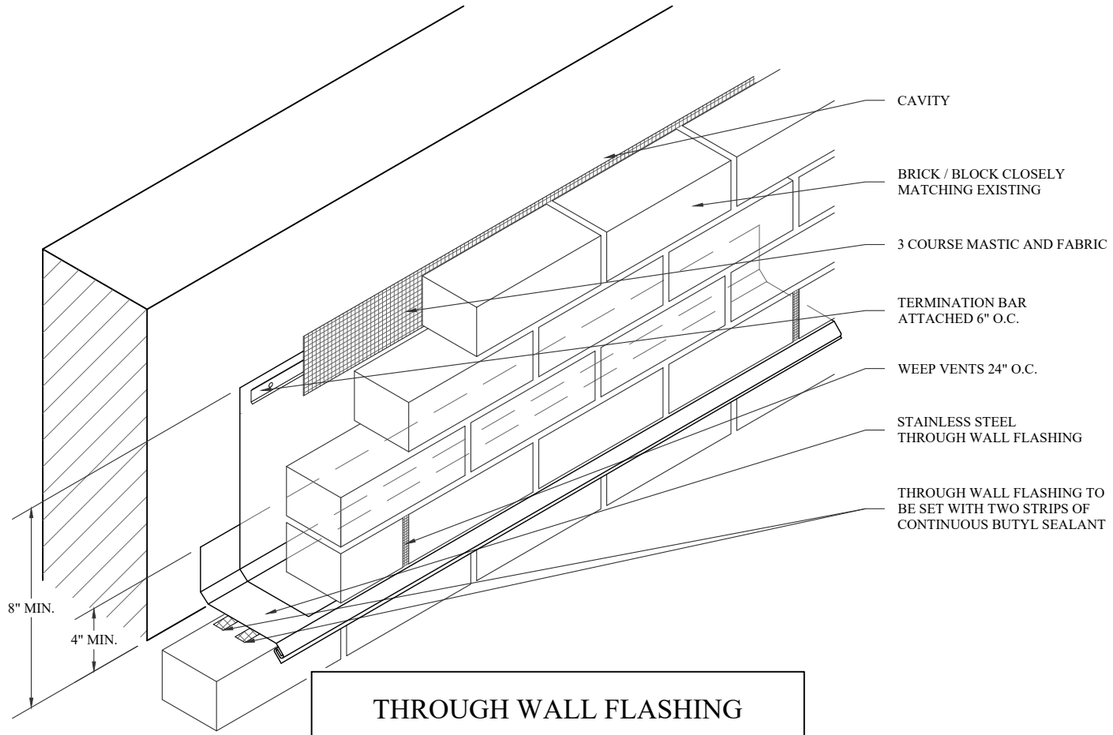
WATERPROOFING WITH FRENCH DRAIN

DETAIL 1/D1.1



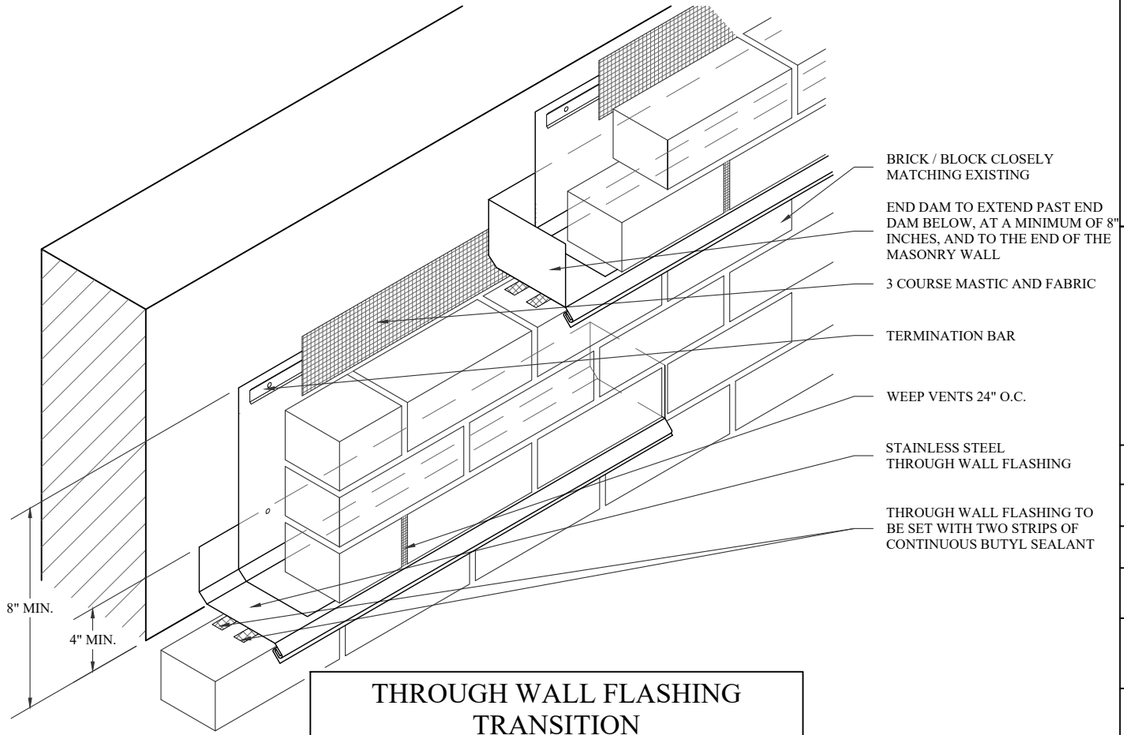
WATERPROOFING TERMINATION AT GRADE

DETAIL 2/D1.1



THROUGH WALL FLASHING

DETAIL 3/D1.1



THROUGH WALL FLASHING TRANSITION

DETAIL 4/D1.1

Christopher T. Williams
REGISTERED PROFESSIONAL ENGINEER
TIBEC
20179

DESIGNED: CW

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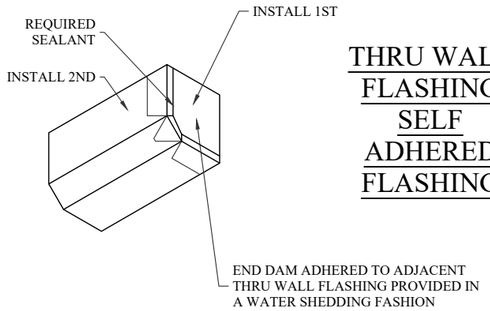
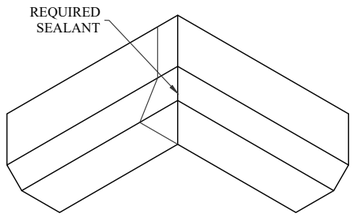
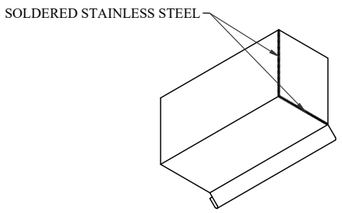


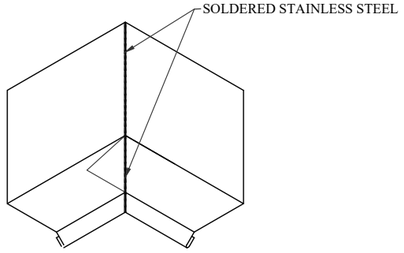
THRU WALL FLASHING SELF ADHERED FLASHING





END DAM

THRU WALL FLASHING BASE PIECE - FULLY SOLDERED



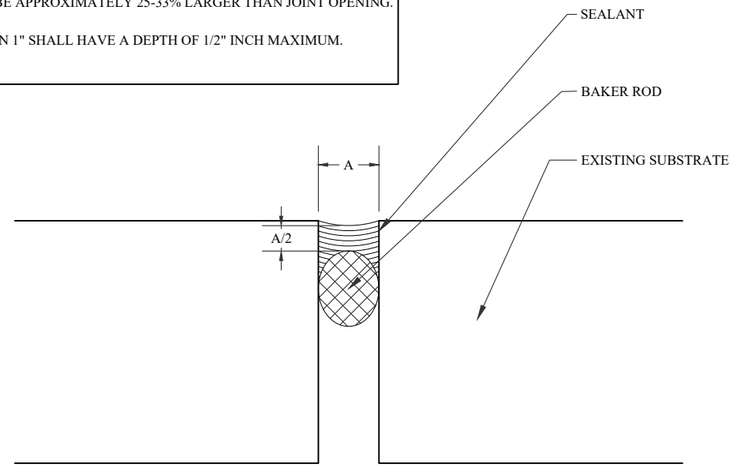
INSIDE CORNER

THROUGH WALL FLASHING TERMINATIONS

DETAIL 5/D1.2

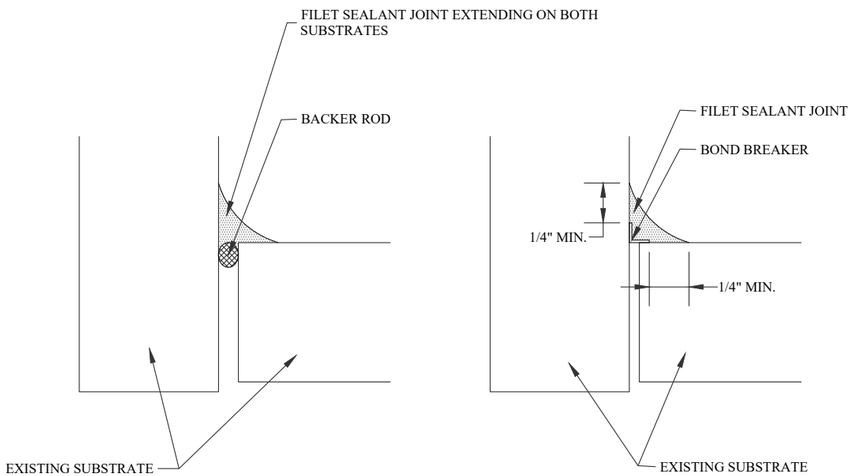
NOTES:

1. SEALANT DEPTH TO WIDTH MUST BE A MINIMUM OF 1/4" INCH.
2. BACKER ROD TO BE APPROXIMATELY 25-33% LARGER THAN JOINT OPENING.
3. JOINT WIDER THAN 1" SHALL HAVE A DEPTH OF 1/2" INCH MAXIMUM.



STANDARD SEALANT JOINT (ALTERNATE NO.1)

DETAIL 6/D1.2

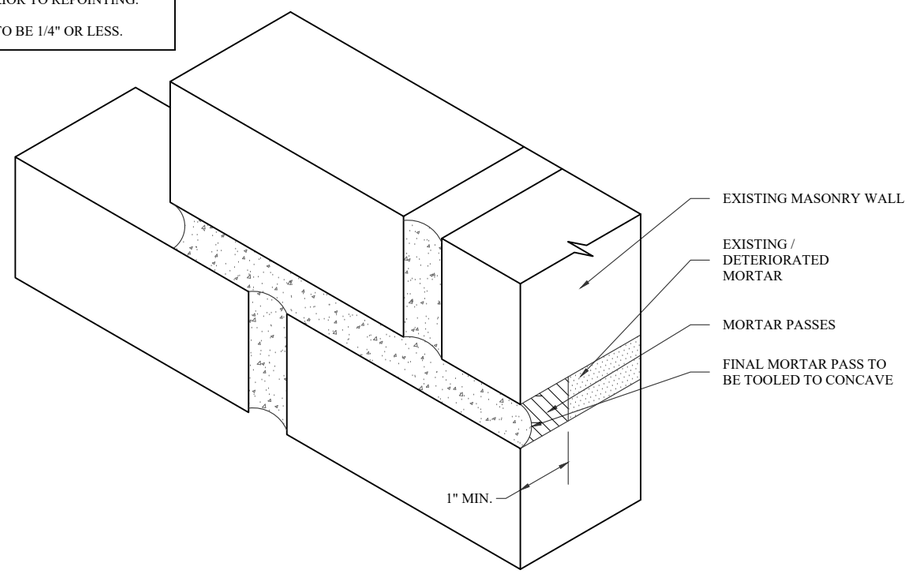


FILLET JOINT DETAIL (ALTERNATE NO.1)

DETAIL 7/D1.2

NOTES:

1. JOINT TO BE GROUTED AND CLEANED TO A MINIMUM OF 1" PRIOR TO REPOINTING.
2. MORTAR PASSES TO BE 1/4" OR LESS.



RE-POINTING (MORTAR) (ALTERNATE NO.1)

DETAIL 8/D1.2

Christopher T. Waites
SOUTH CAROLINA REGISTERED ARCHITECT
WBE
20679
TIBEC

DESIGNED: CW

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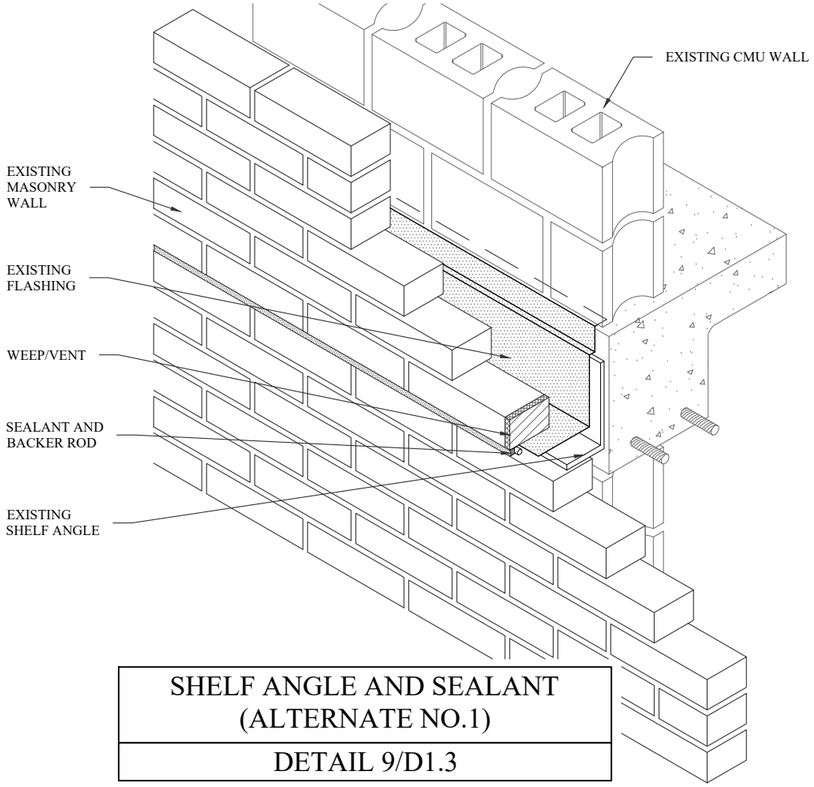

SHELF ANGLE AND SEALANT (ALTERNATE NO.1)

DETAIL 9/D1.3

DETAIL NOT IN USE

DETAIL 10/D1.3

DETAIL NOT IN USE

DETAIL 11/D1.3

DETAIL NOT IN USE

DETAIL 12/D1.3

DESIGNED: CW

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