

PRODUCT TYPE: DRAINED BACK MCM WALL CLADDING
SERIES: R4000 WITH STIFFENERS & STIFFENER SPACING PER ENGINEER ANALYSIS FOR EACH JOB

DESIGN PRESSURE RATING	
1	COVER SHEET
2	DETAILS
3	EXTRUSION PROFILES

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN EVALUATED & IS IN COMPLIANCE WITH THE 2020 FLORIDA BUILDING CODE: 7TH EDITION
2. DESIGN PRESSURE ± 60 PSF.
UNIFORM LOAD STRUCTURAL TEST PRESSURE ± 90 PSF.
3. PANEL WIDTHS & ASPECT RATIOS THAT EXCEED THOSE TESTED BELOW REQUIRE FURTHER ANALYSIS BY A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT TO ENSURE STRUCTURAL ADEQUACY.
-SUBSTRATES THAT DIFFER FROM THOSE TESTED BELOW REQUIRE A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT TO SPECIFY ANCHOR TYPE AND SPACING GUIDELINES.
4. THE WALL PANELS ARE SHOWN ATTACHED TO A 2" X 6" WOOD STUD WALL SPACED @ 16" O.C., STUDS ARE SHEATHED WITH MINIMUM $\frac{1}{4}$ " SHEATHING, THIS SHEATHING SECURED TO EACH STUD USING #8-1-5/8" DRYWALL SCREWS AT 16" O.C.
5. TERMINATION CLIPS WERE INSTALLED WITH #10 X 1-1/2" SCREWS AT 16" O.C. WALL CLIPS WERE INSTALLED WITH #10 X $\frac{5}{8}$ " SCREWS AT 16" O.C. ON THE TOP & LEFT EDGES OVER $\frac{1}{4}$ " SHIM.

MINIMUM MATERIAL PROPERTIES

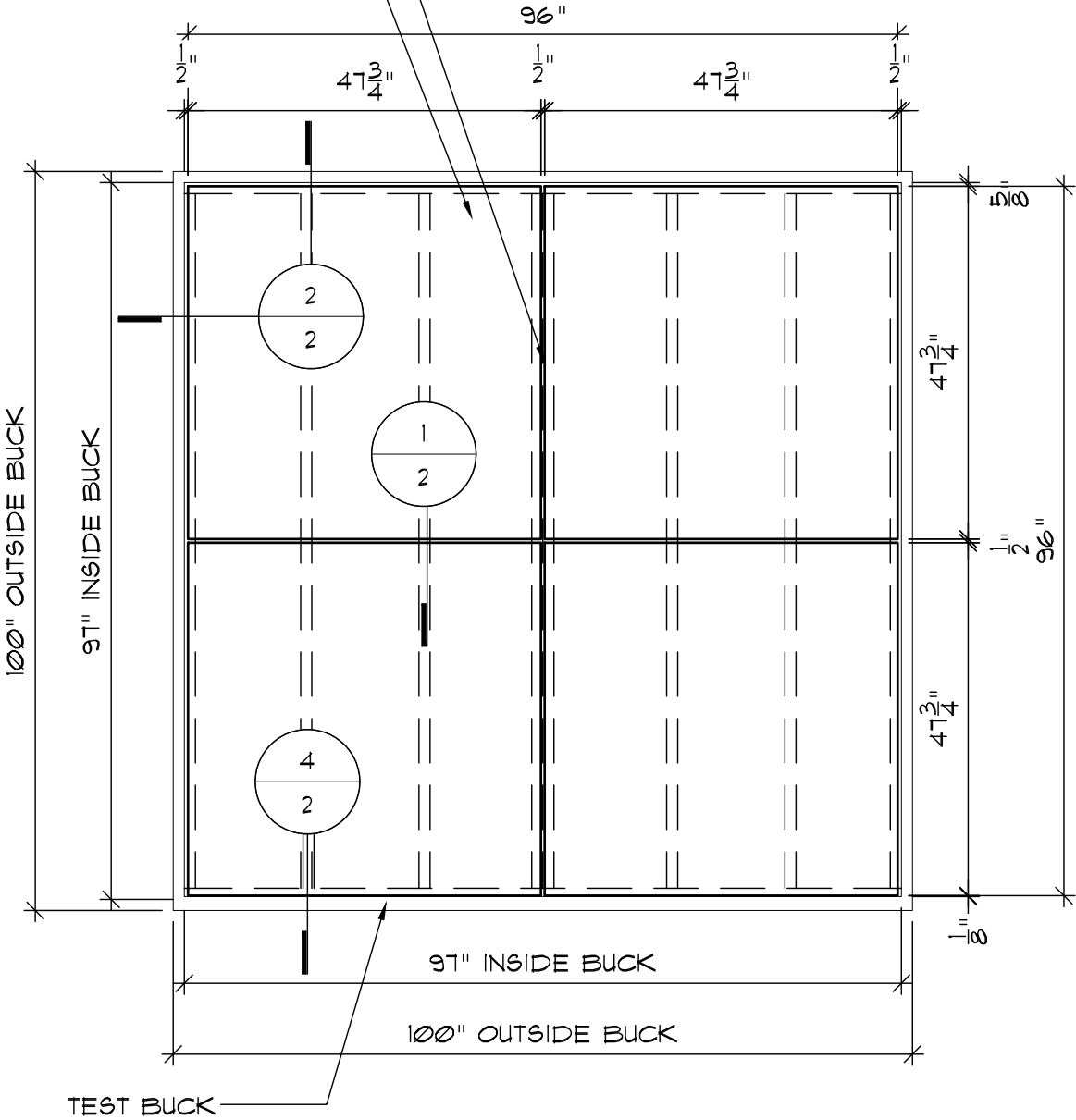
1. ALUMINUM COMPOSITE MATERIAL (ACM)
MATERIAL THICKNESS 4mm OR 6mm

ALUMINUM SKIN THICKNESS 0.5mm (.020")
ALUMINUM SKIN PROPERTIES 3105-H14 (F_{tu} = 25ksi F_{ty} = 22KSI)-OR GREATER
CORE POLYMERIC COMPOUND PE (POLYETHYLENE) OR FR (FIRE RETARDANT)

NOTE: ACM MATERIAL MUST HAVE AN ICC-ES REPORT VERIFYING MATERIAL COMPOSITION PROPERTIES ARE EQUIVALENT TO OR GREATER THAT THOSE LISTED ABOVE.
2. ALUMINUM EXTRUSIONS
ALUMINUM ALLOY 6063-T5 TEMPER MILL FINISH
ALUMINUM ALLOY 6061-T6 TEMPER MILL FINISH
3. 3M VHB TAPE FOR STIFFENERS
ADHESION:
25 PSI (1.7 KPA) FOR STATIC LOADS
12 PSI (85 KPA) FOR DYNAMIC LOADS
4. $\frac{1}{4}$ " SHIM
5. $\phi \frac{3}{8}$ " ALUMINUM POP RIVET

DOUBLE 2 X 6 STUD
AT CENTER, THEN
STUDS AT 16 INCHES
ON CENTER (WOOD)

4mm MCM PANEL W/
 $\frac{1}{2}$ " REVEAL JOINTS



1 R4000 MOCK-UP WALL
SCALE: 1/2" = 1'-0"

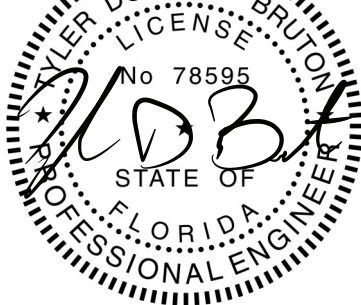


INVENTIVE FACADE SOLUTIONS
800 East Duncan Street.
Manchester, MI 48158.
phone.734.212.3006. fax.734.661.0360
design@ceimaterials.com www.ceimaterials.com

This document contains information proprietary to C.E.I. Materials, LLC. It is to be kept confidential and not applied, reproduced, used or conveyed to others without written authorization from C.E.I. Materials, LLC.

GENERAL NOTES:

2021.02.11
07:58:40-0500

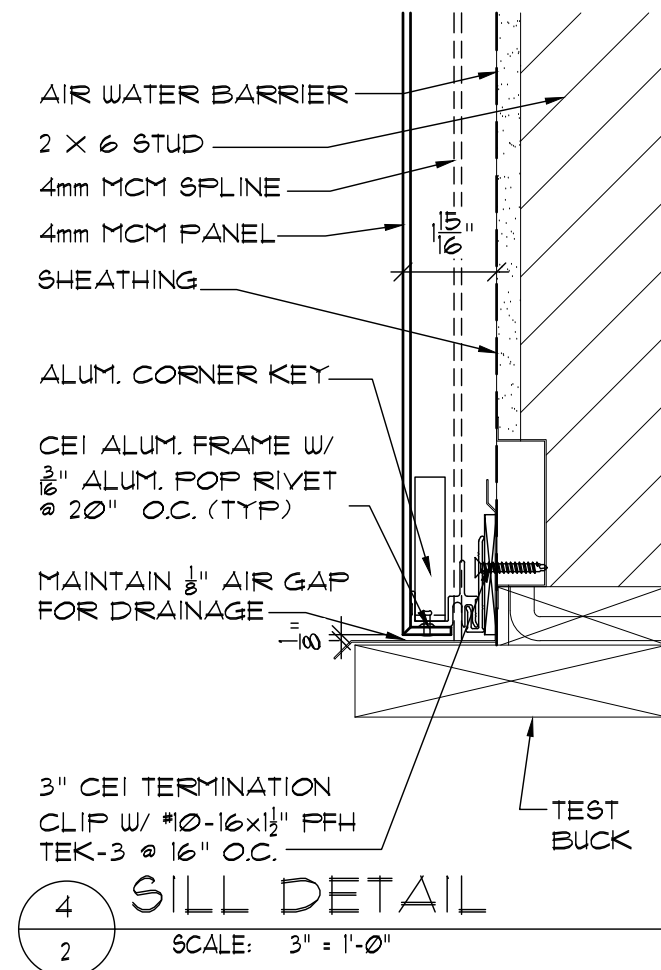
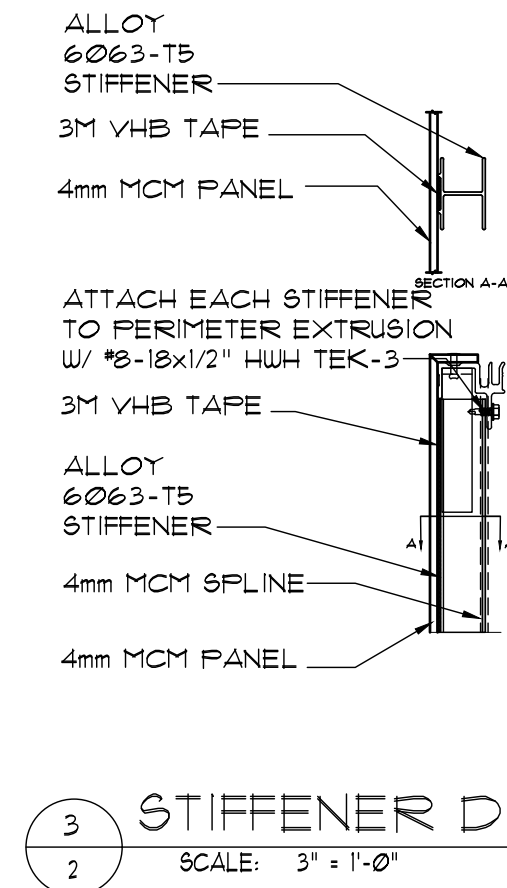
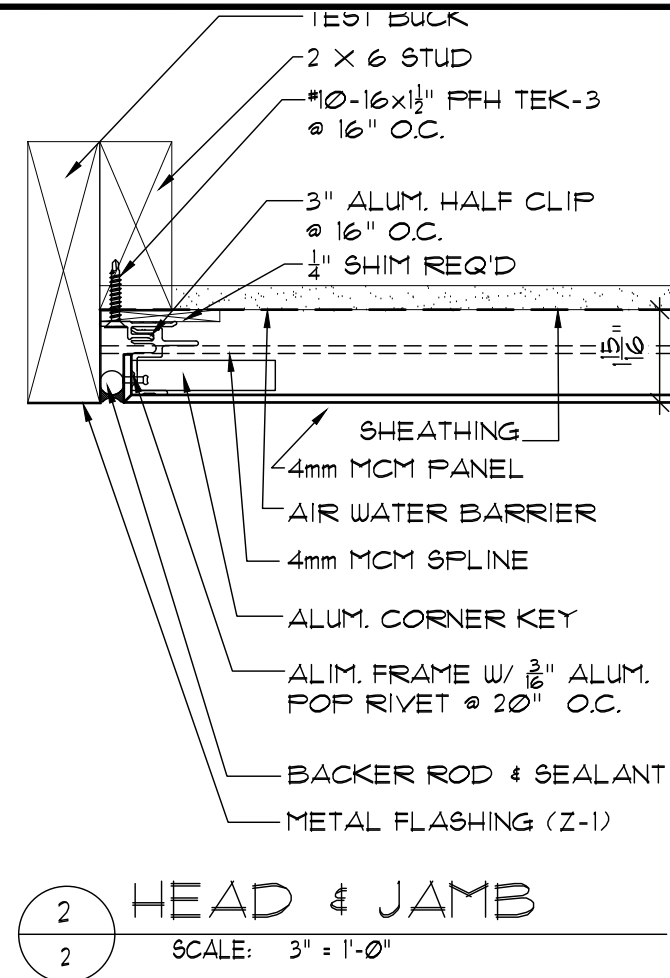
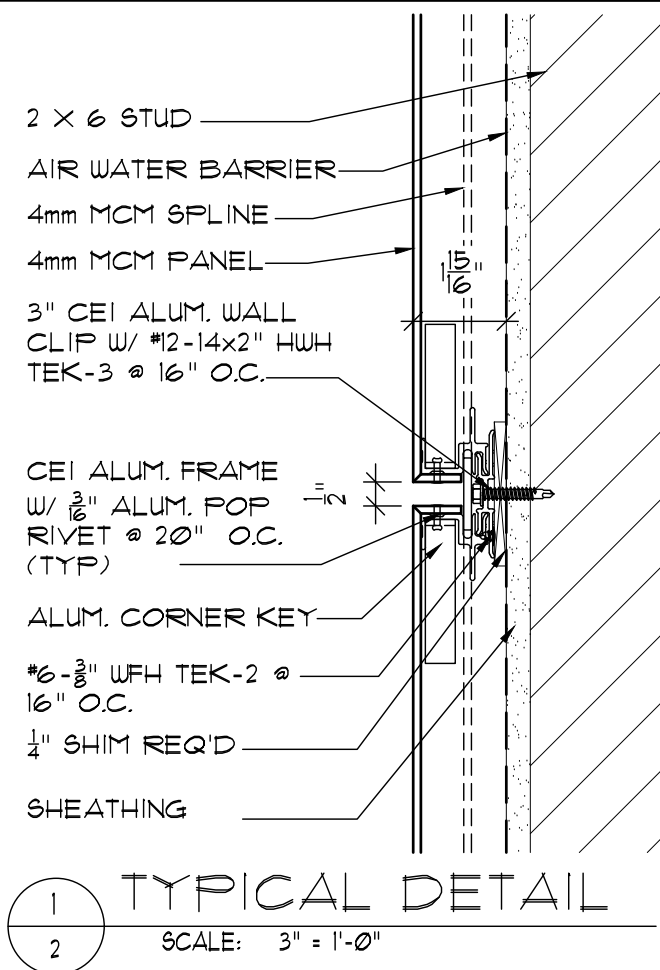


Claddtech Engineering, LLC
FL Firm CA No. 32444
4540 Willow Oak Trail
Powder Springs, GA 30127
Phone: (770) 656-9923

FLORIDA BUILDING
CODE COMPLIANCE
R4000
RAINSCREEN SYSTEM

Project No:	----
Designer:	CS
Checked By:	NET
Date Sent:	12/13/18
Revisions:	1/27/21 LK

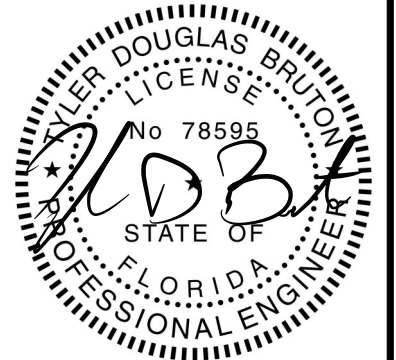
MOCK-UP WALL



INVENTIVE FACADE SOLUTIONS
800 East Duncan Street.
Manchester, MI 48158.
phone: 734.212.3006. fax: 734.661.0360
design@ceimaterials.com www.ceimaterials.com

This document contains information proprietary to C.E.I. Materials, LLC. It is to be kept confidential and not applied, reproduced, used or conveyed to others without written authorization from C.E.I. Materials, LLC.

GENERAL NOTES:



Claddtech Engineering, LLC
FL Firm CA No. 32444
4540 Willow Oak Trail
Powder Springs, GA 30127
Phone: (770) 656-9923

FLORIDA BUILDING CODE COMPLIANCE R4000 RAINSCREEN SYSTEM

Project No:	----
Designer:	CS
Checked By:	NET
Date Sent:	12/13/18
Revisions:	
	1/27/21 LK

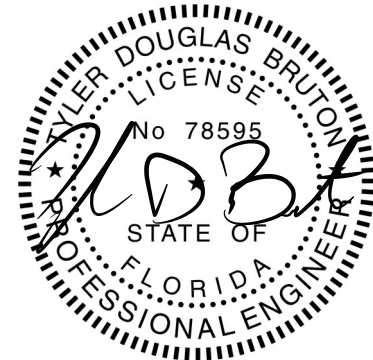
MOCK-UP WALL



INVENTIVE FACADE SOLUTIONS
800 East Duncan Street.
Manchester, MI 48158.
phone: 734.212.3006. fax: 734.661.0360
design@ceimaterials.com www.ceimaterials.com

This document contains information proprietary to C.E.I. Materials, LLC. It is to be kept confidential and not applied, reproduced, used or conveyed to others without written authorization from C.E.I. Materials, LLC.

GENERAL NOTES:



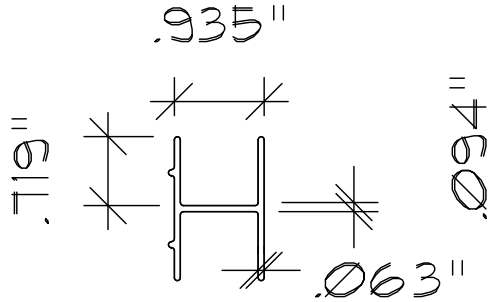
Claddtech Engineering, LLC
FL Firm CA No. 32444
4540 Willow Oak Trail
Powder Springs, GA 30127
Phone: (770) 656-9923

FLORIDA BUILDING
CODE COMPLIANCE
R4000
RAINSCREEN SYSTEM

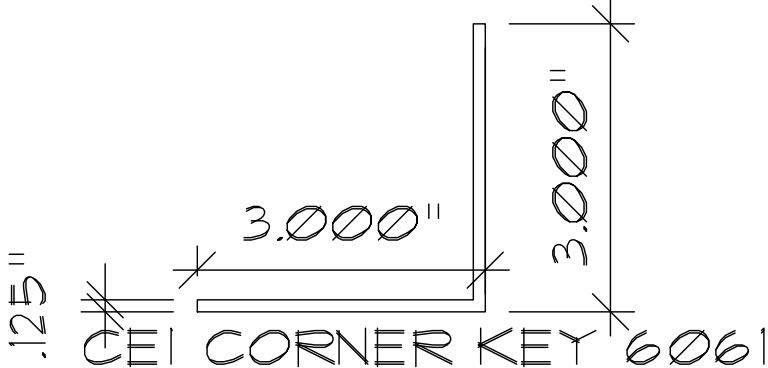
Project No:	----
Designer:	CS
Checked By:	NET
Date Sent:	12/13/18
Revisions:	1/27/21 LK

MOCK-UP WALL

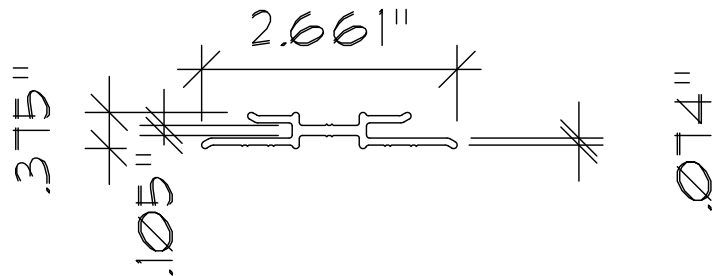
ALUMINUM EXTRUSION:
ALUMINUM ALLOY 6063-T5
ALUMINUM ALLOY 6061



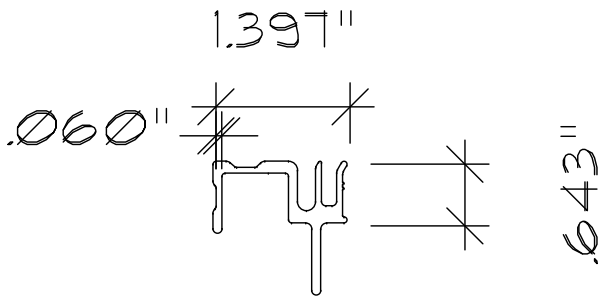
ALUM. STIFFENER (6063-T5)



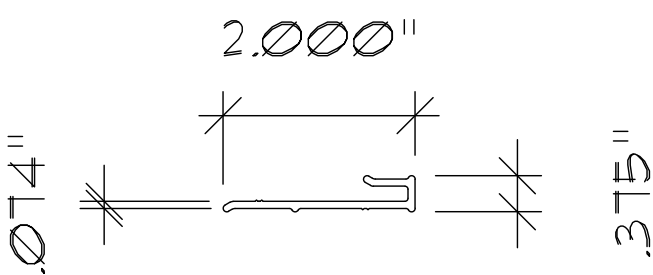
CEI CORNER KEY 6061



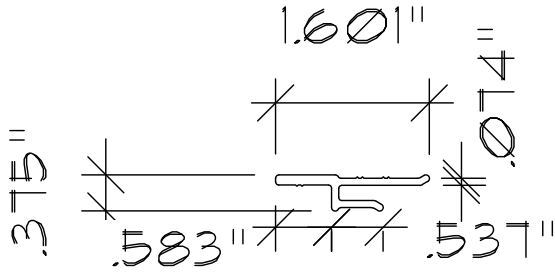
CEI WALL CLIP (6063-T5)



CEI ALUMINUM FRAME (6063-T5)



CEI TERMINATION CLIP (6063-T5)



CEI HALF CLIP (6063-T5)