BEAR CLAW Design Guide

Lightweight Rear Ventilated Rain Screen

(TO BE USED IN CONJUNCTION WITH SYSTEM2 DESIGN GUIDE)

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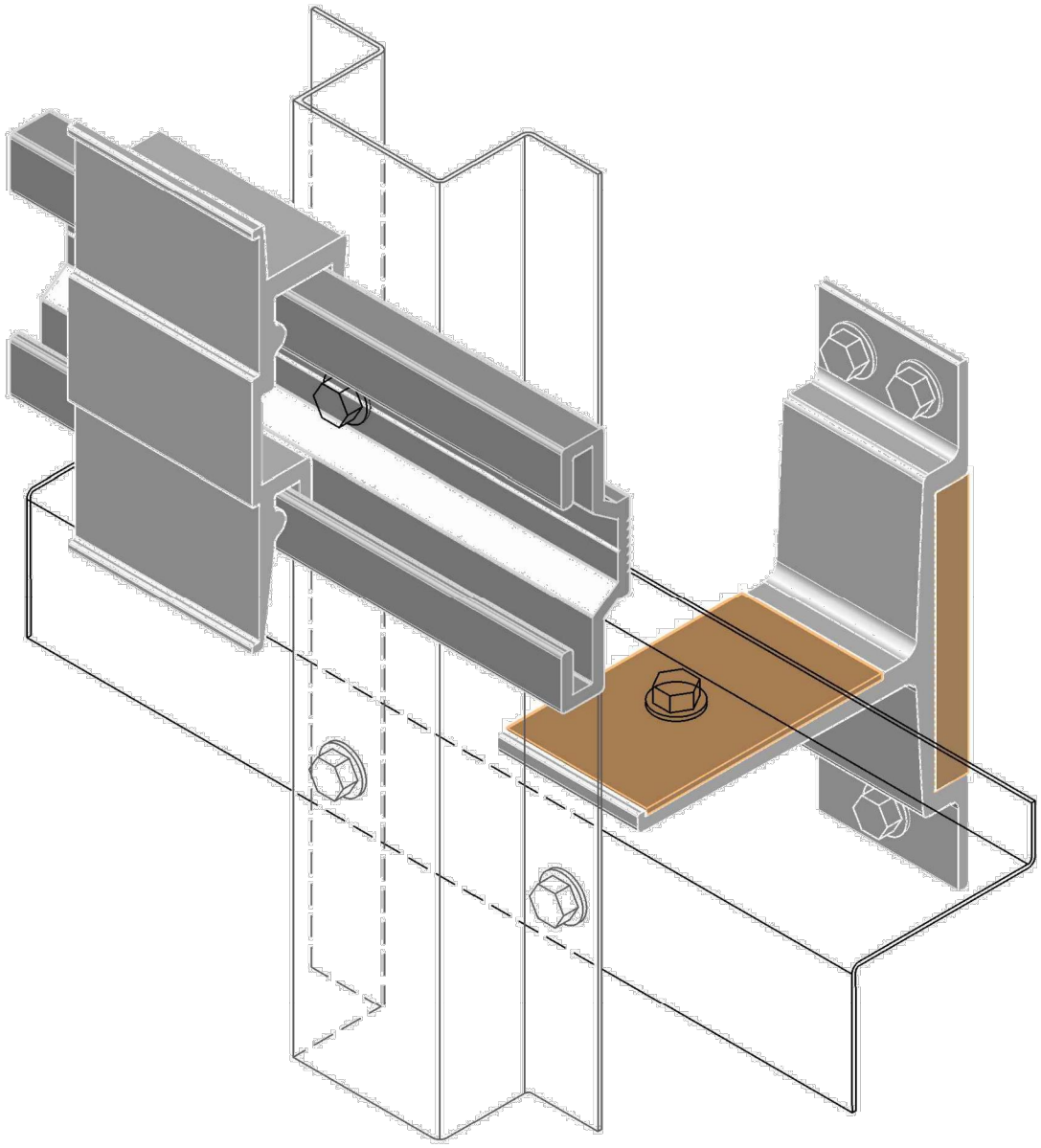

APR.12.2018

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INTRODUCTION

This manual provides information on the Engineered Assemblies Inc. **BearClaw** system & methodology, for lightweight, thermally broken, facade substructures and panel products.

DISCLAIMER

The use of this information shows your acceptance of these terms. The information is intended to provide background information on facade products provided by Engineered Assemblies Inc. although Engineered Assemblies Inc. makes reasonable efforts to present information which is up to date and accurate. Engineered Assemblies Inc. makes no representation or warranty as to the adequacy, accuracy completeness or correctness of such information, nor does it warrant or represent that the information provided is complete in every respect. Engineered Assemblies Inc. shall not have liability resulting from the use of the information provided, the absence of any specific information, the possible interruptions or technical errors of this information and/or the content herein.

Your Engineered Assemblies Inc. Team

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TcLip

EQUITONE
Fibre cement facade materials

FIANDRE
ARCHITECTURAL SURFACES

GENTAS

IMETCO

Parklex®

SRP
Canada Inc.

Tonality®

VIVIX®

Engineered Assemblies (EA) BearClaw

Executive Summary

In response to the rapidly increasing demand for lightweight, high performance, rear hung facade systems, EA has designed the **BearClaw**.
The system is comprised of aluminum cleats and Rails connected to vertical sub-girts (framing members). The cleats are designed to attach to cladding products through the use of synthetic polymer bonding agents by Dynamic Bond, undercut anchor or blind fastener.

Structural Performance

The **BearClaw** is engineered to accommodate facade panels generally 8-13 mm in thickness and up to 35kg/m2. When used in conjunction with **SYSTEM2,** vertical framing members are required.
The vertical framing members are attached back to horizontal framing members. The horizontal framing member attaches to the **TcLip™ S2** and can be adjusted to plumb out the structure. The spacing of the horizontal framing is adjustable to suite the design loads imposed on the system.

*__Note: This guide is to be used in conjunction with 'RVRS SYSTEM2 Design Guide'.__**

Use of the BearClaw system may require training and certification in the use of Dynamic Bond. Data on Dynamic Bond performance and testing available upon request. Contact Engineered Assemblies for more information on this matter.

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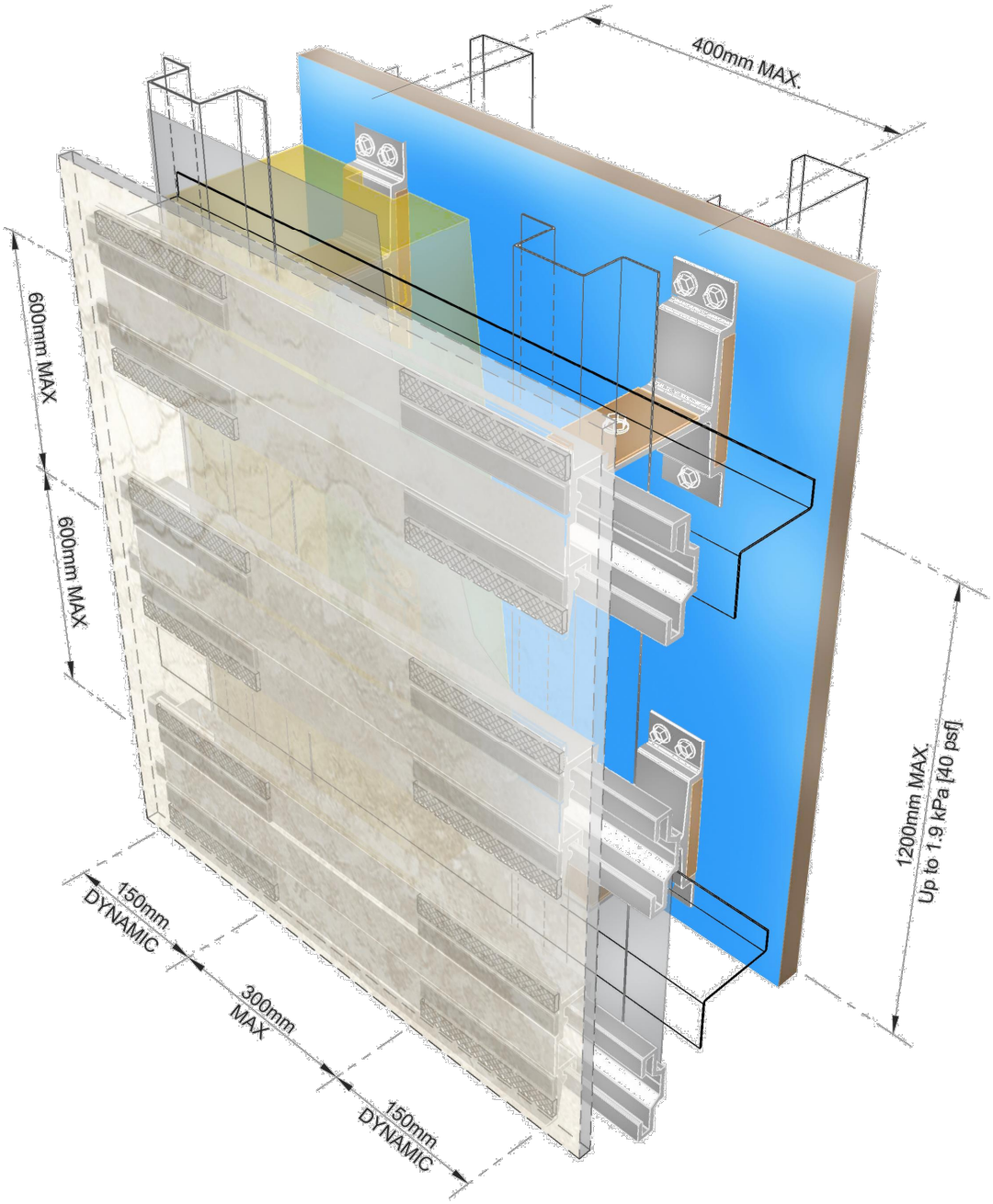
6mm THICK PORCELAIN TILE w/ DYNAMIC BOND



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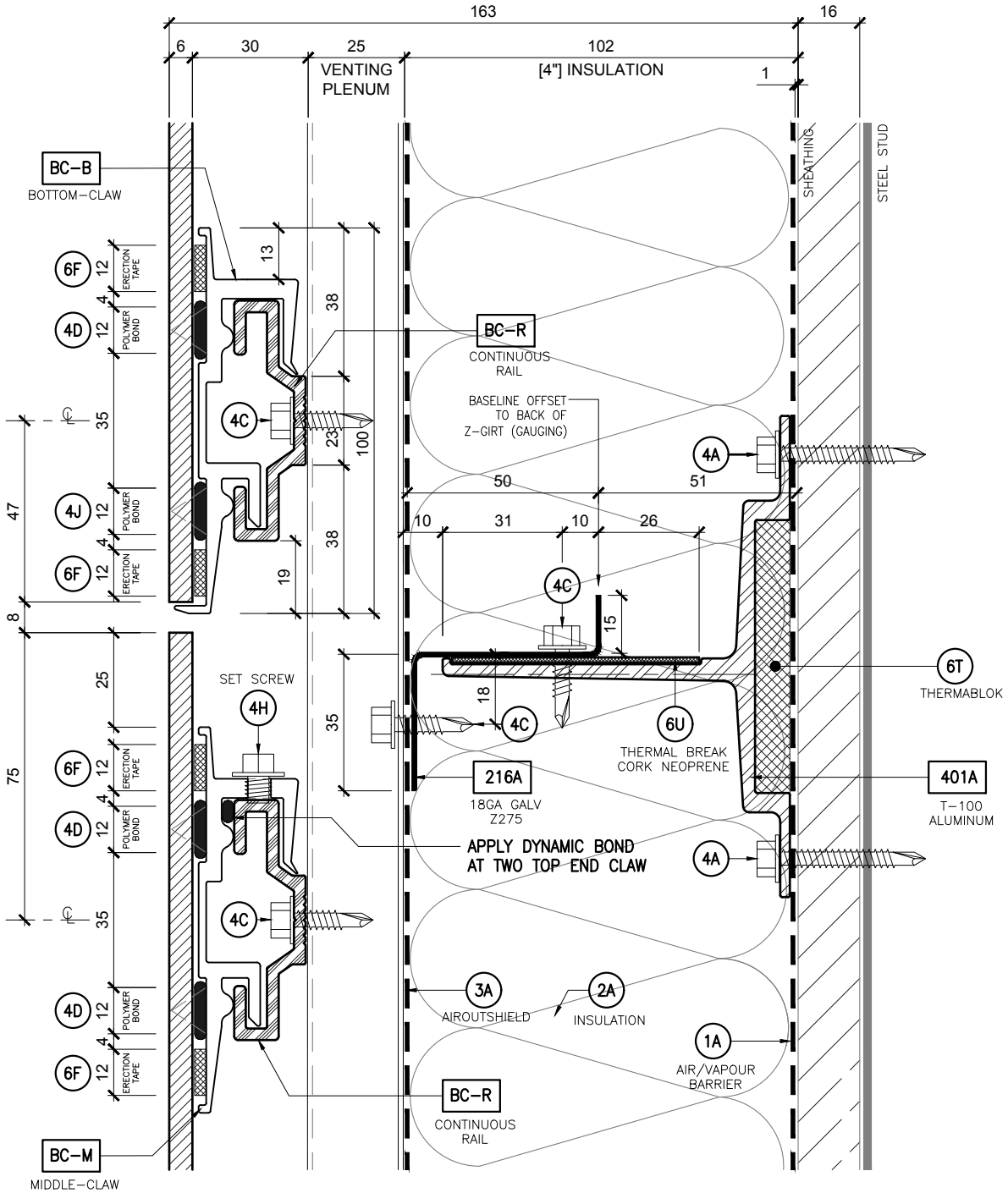

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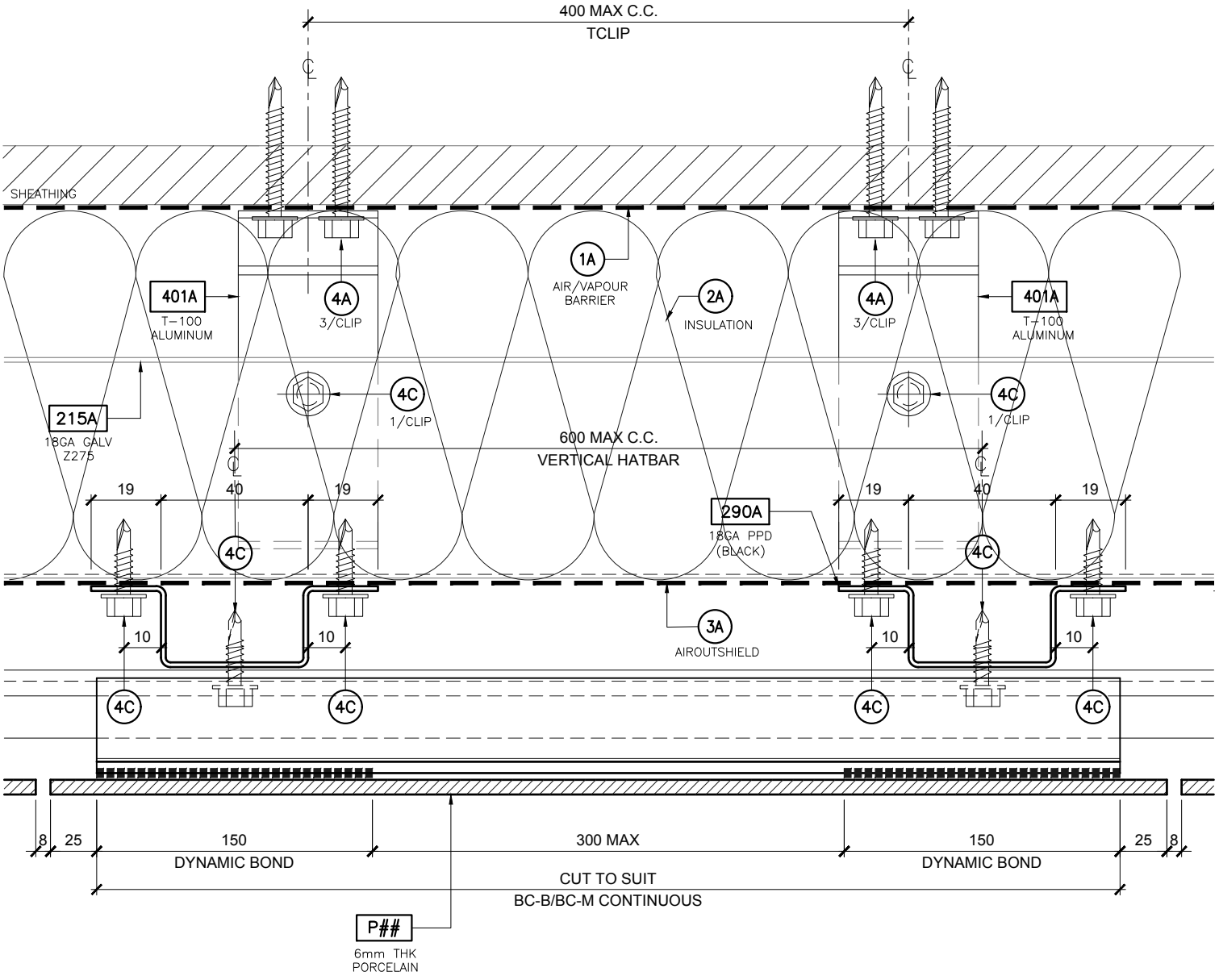

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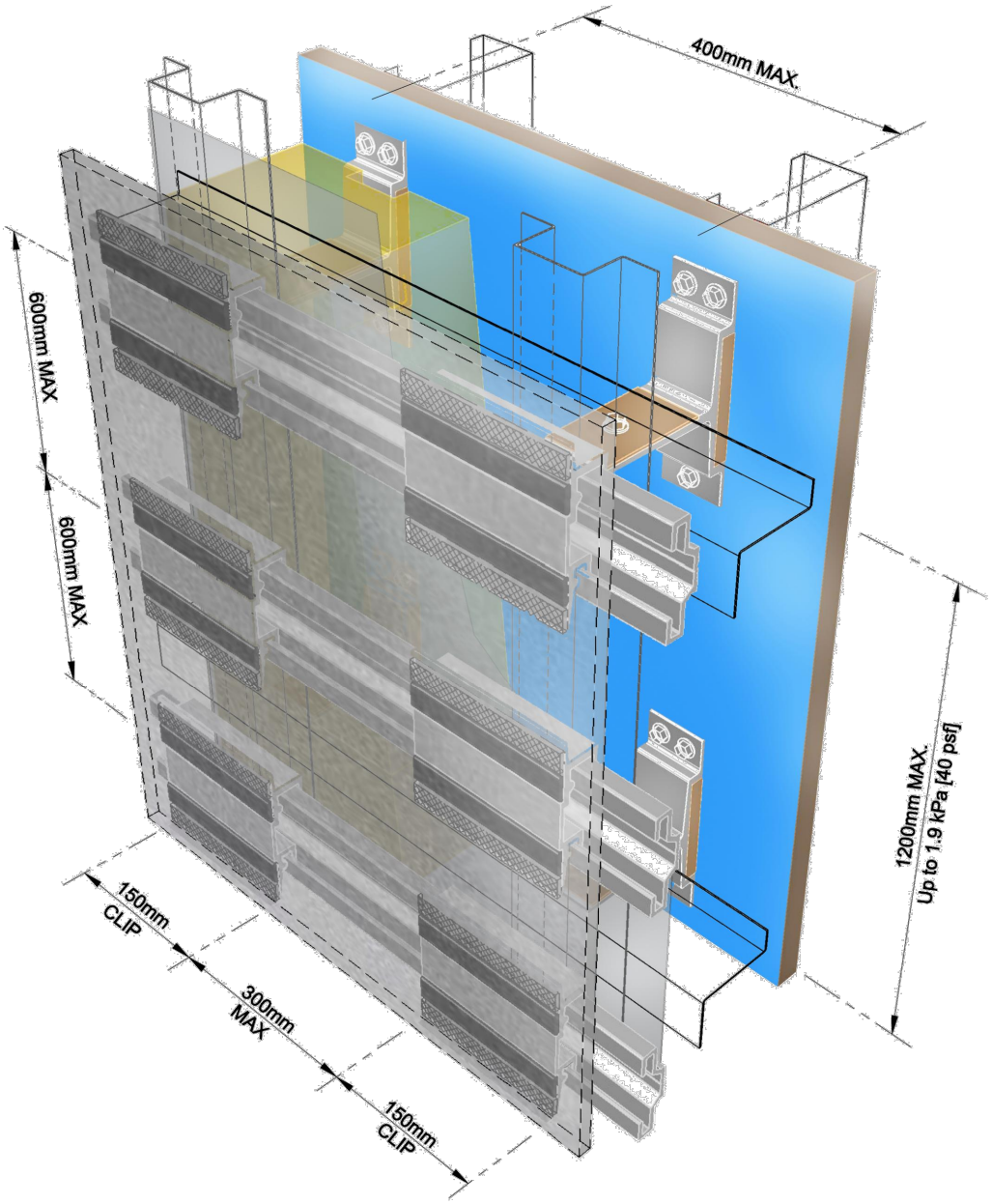
8mm THICK FRC w/ DYNAMIC BOND



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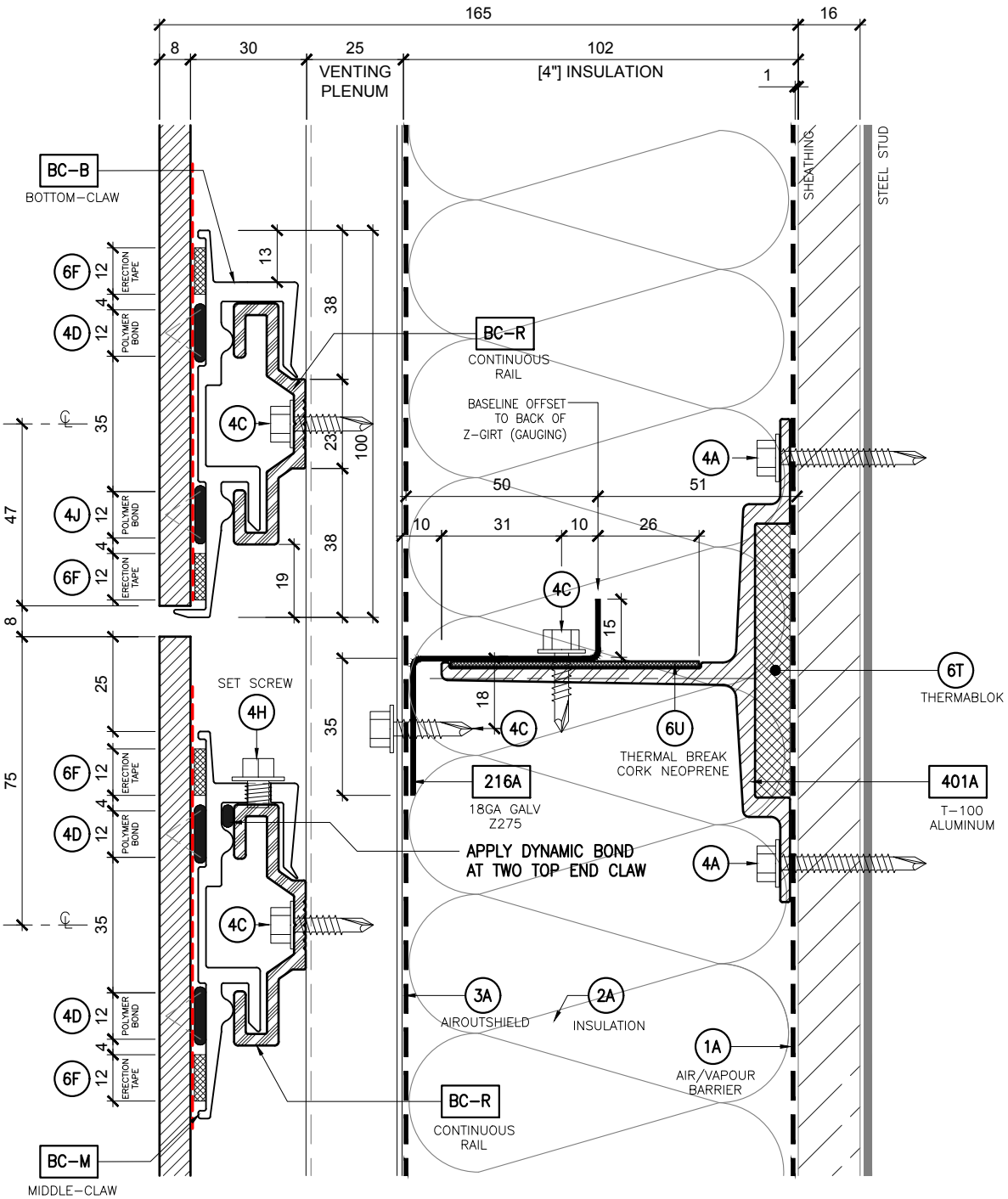

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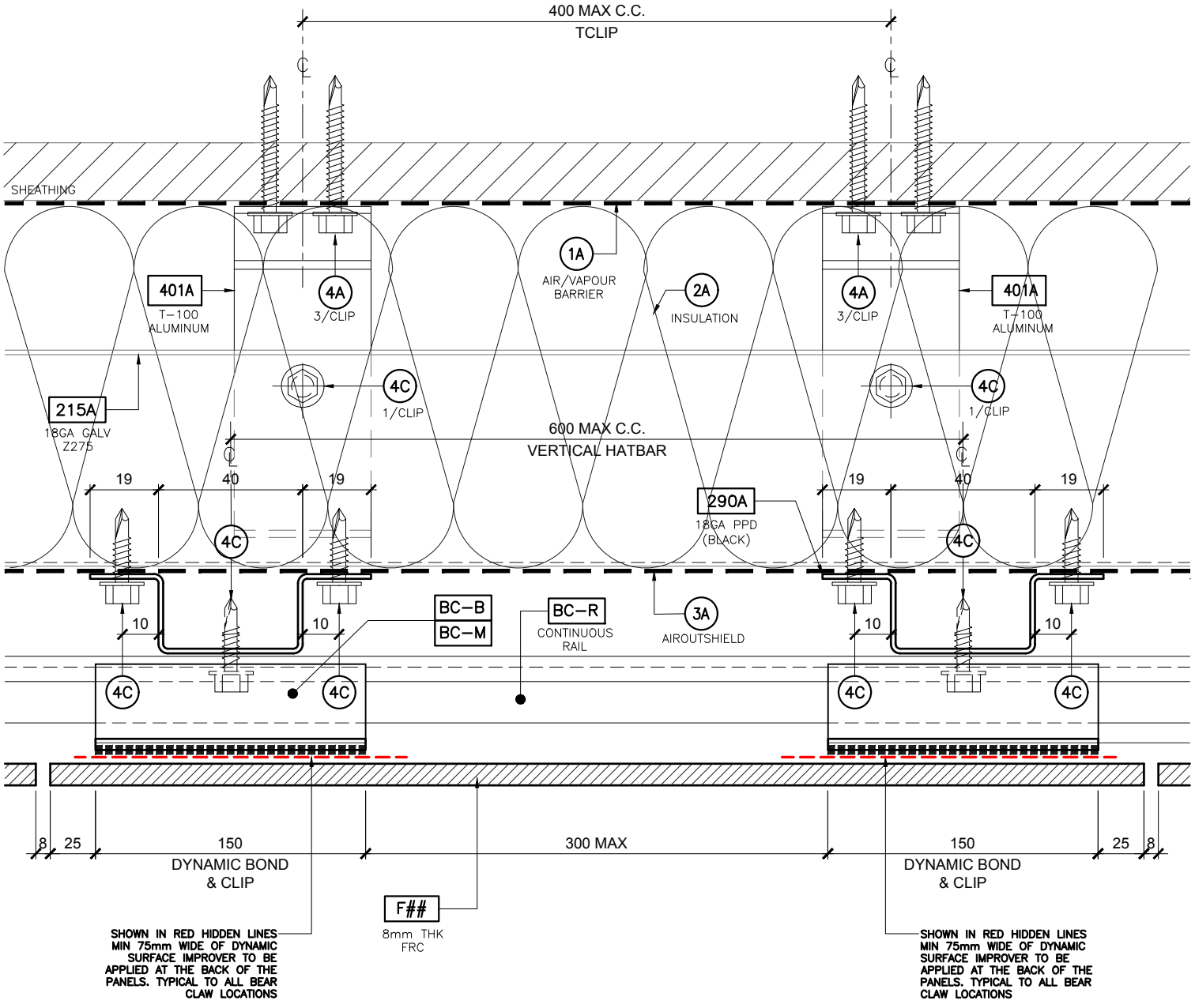

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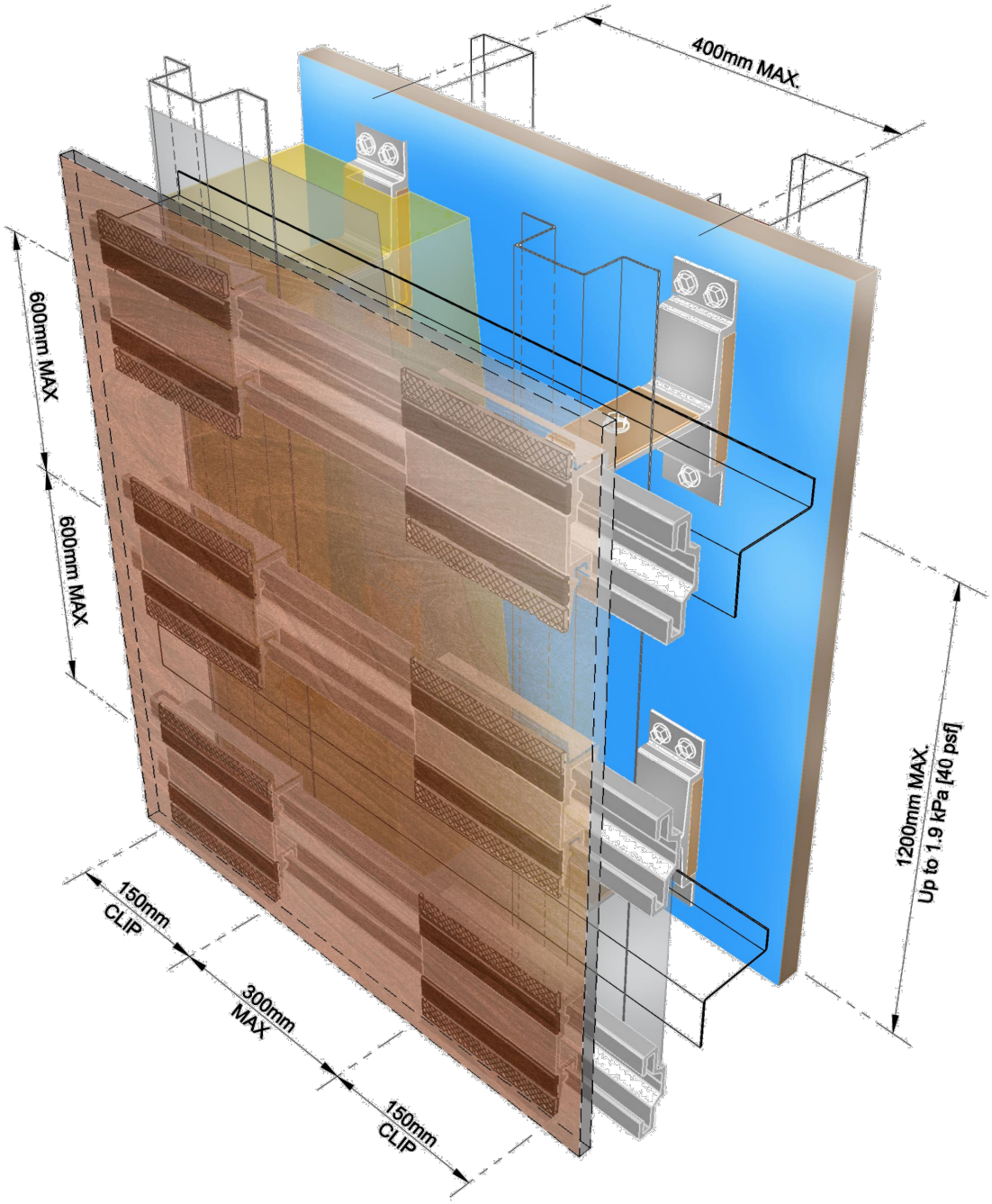

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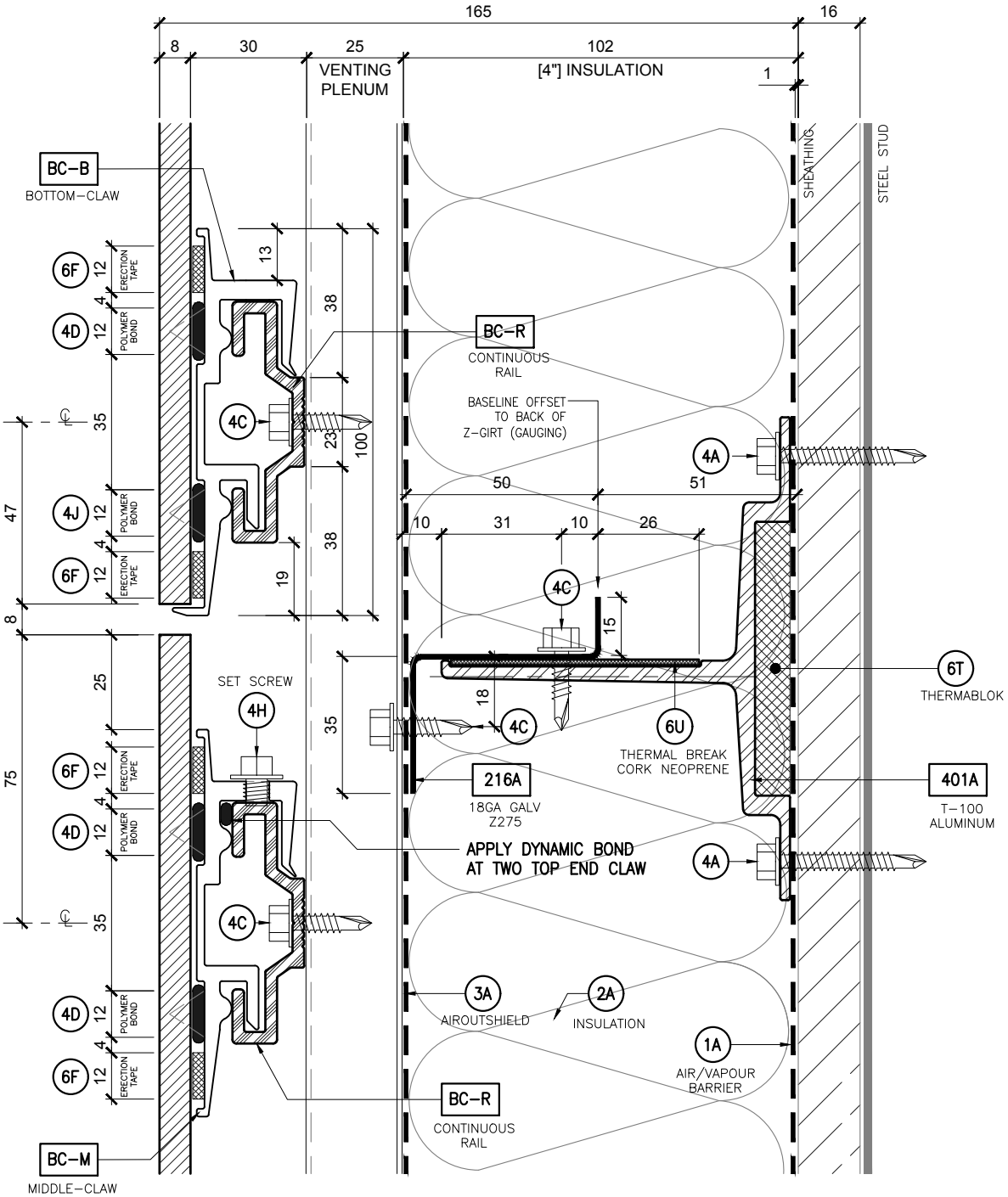

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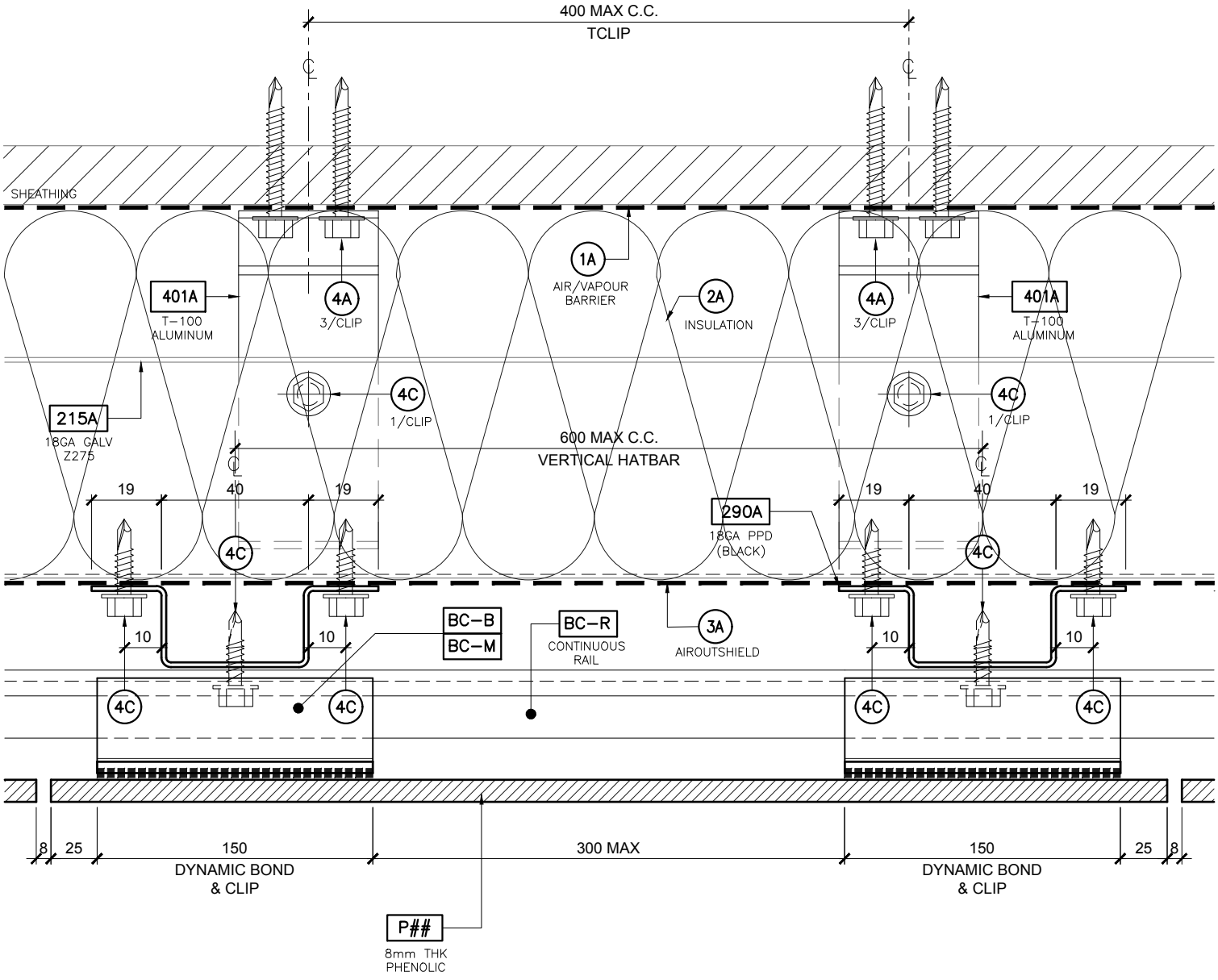

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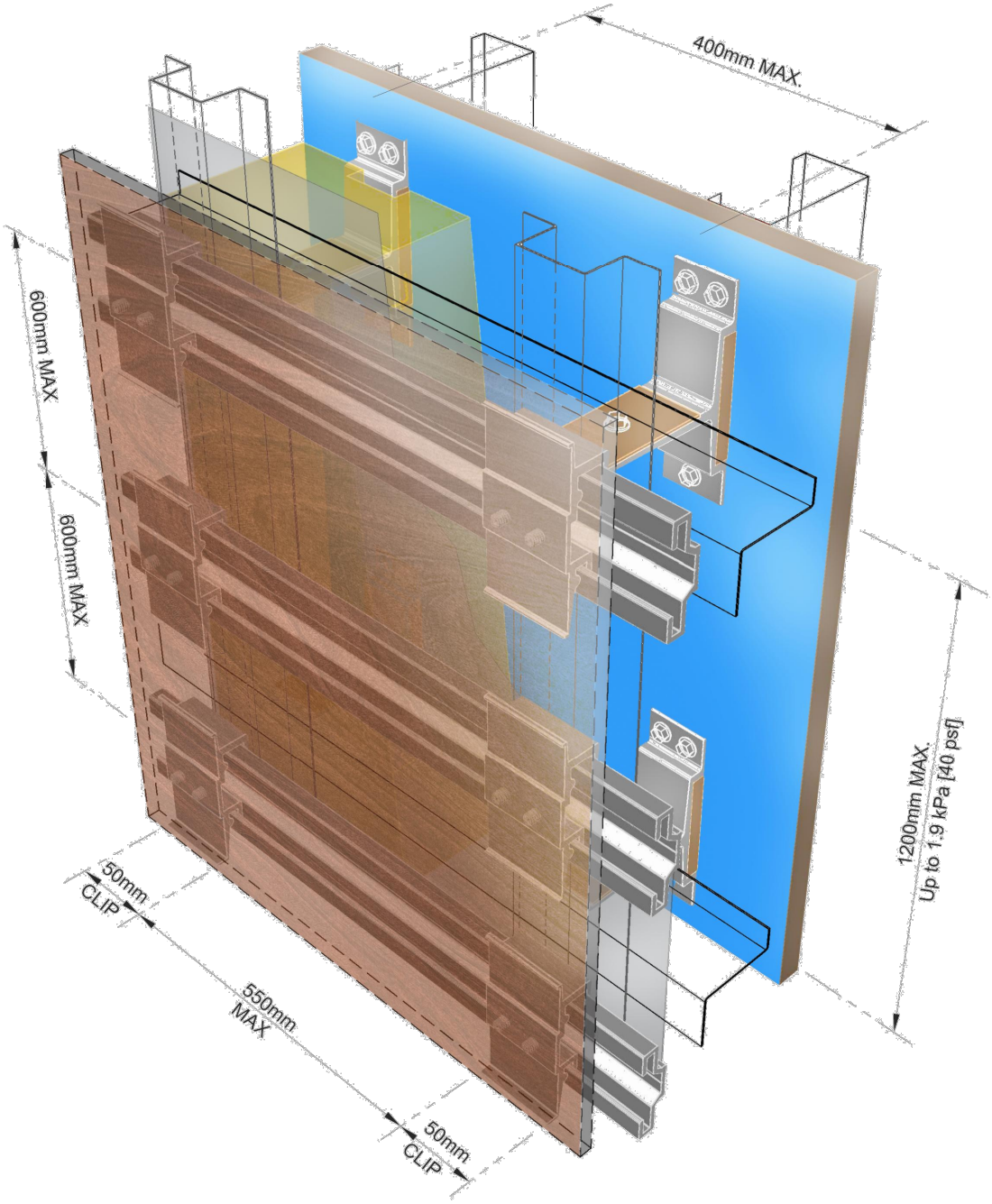
10mm THICK PHENOLIC w/ BLIND FASTENER



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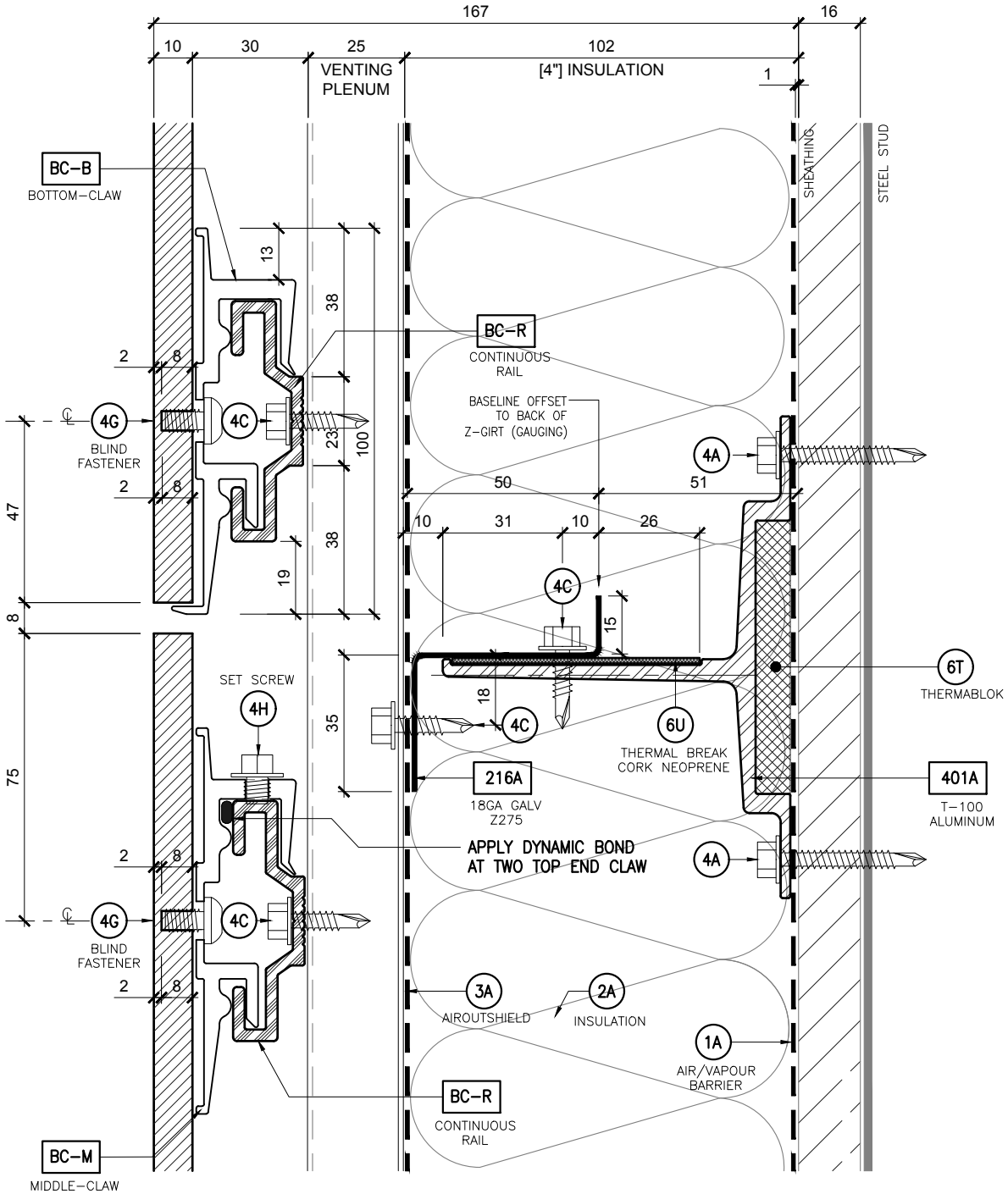

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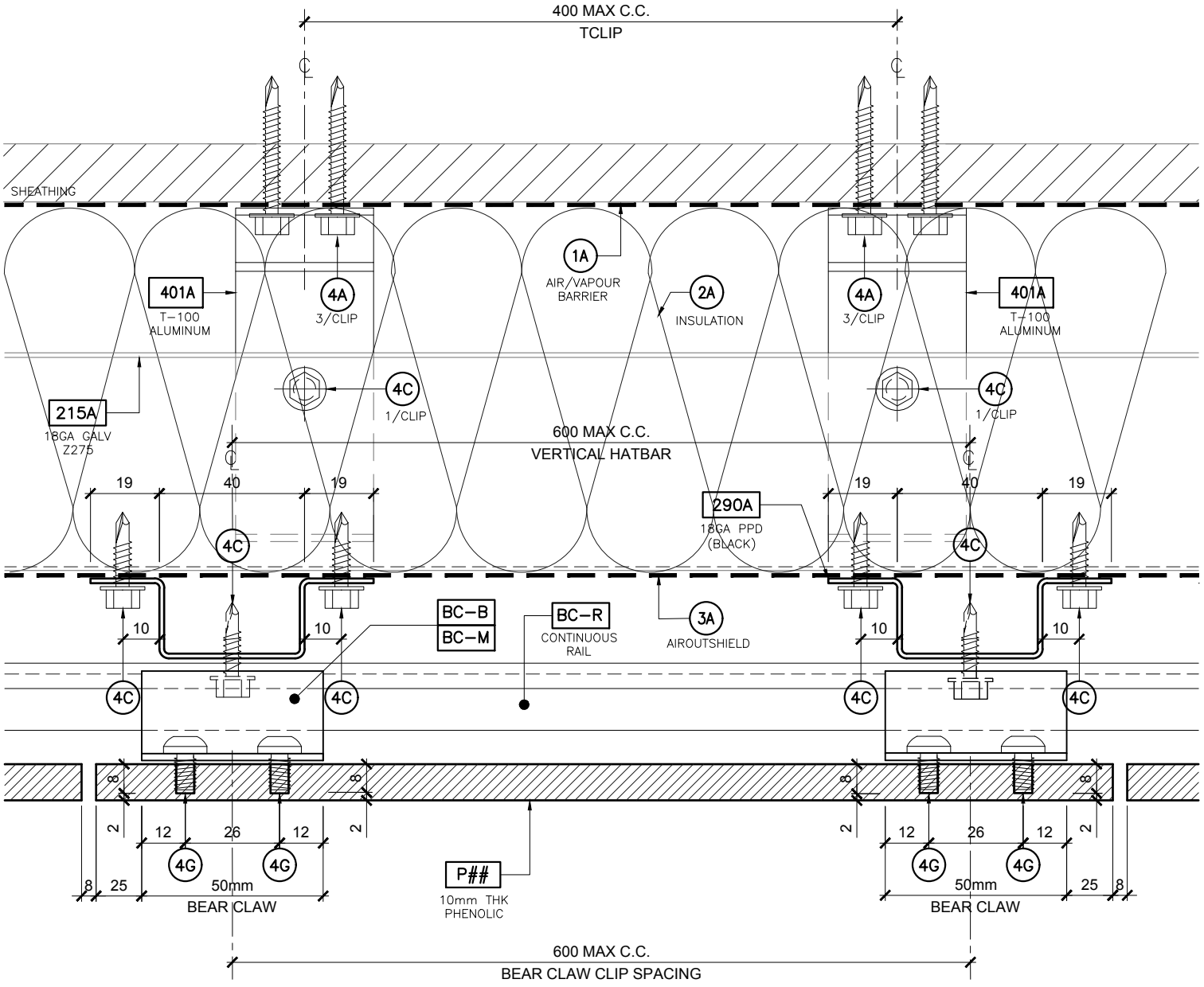

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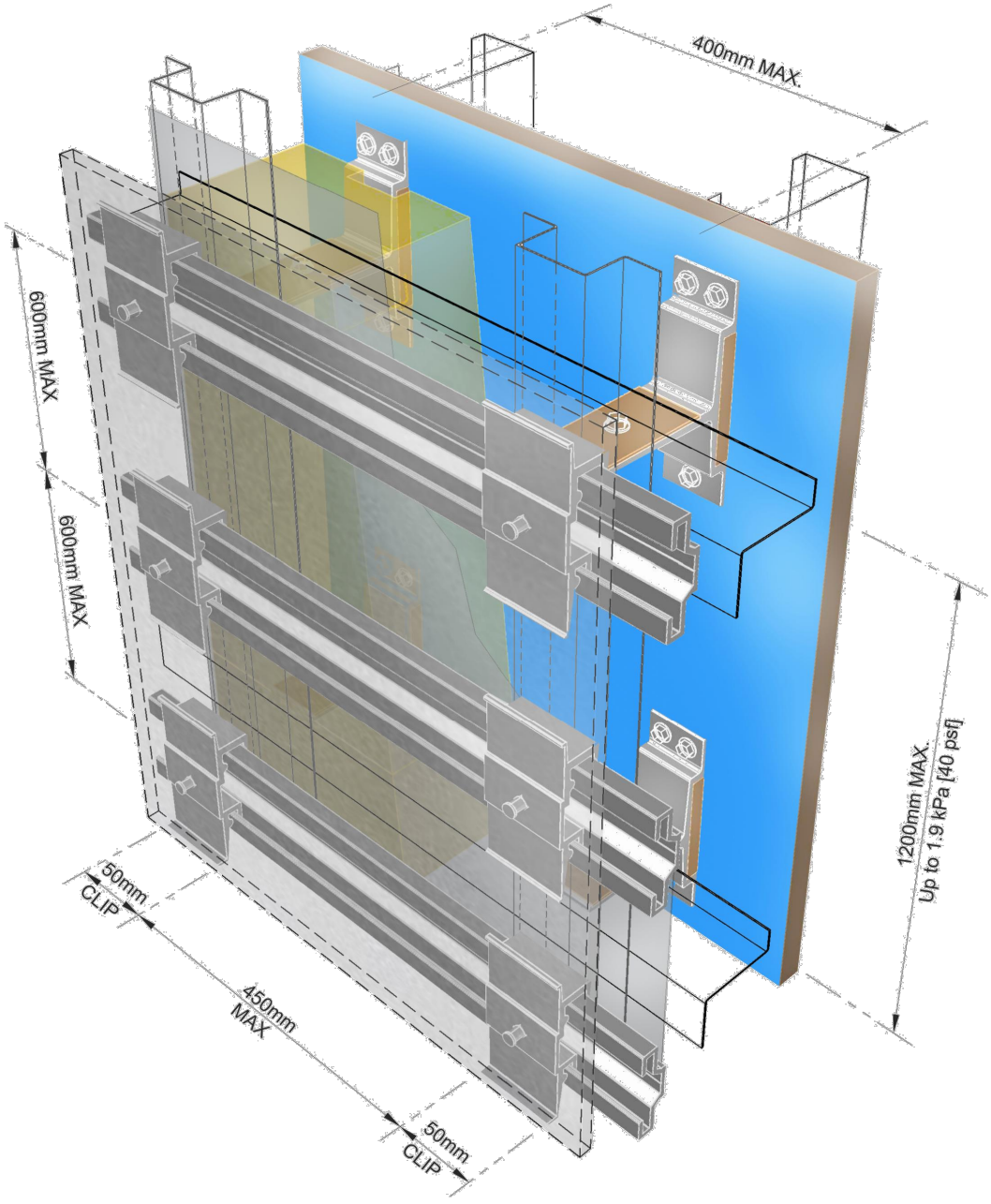
12mm THICK FRC w/ UNDERCUT ANCHOR



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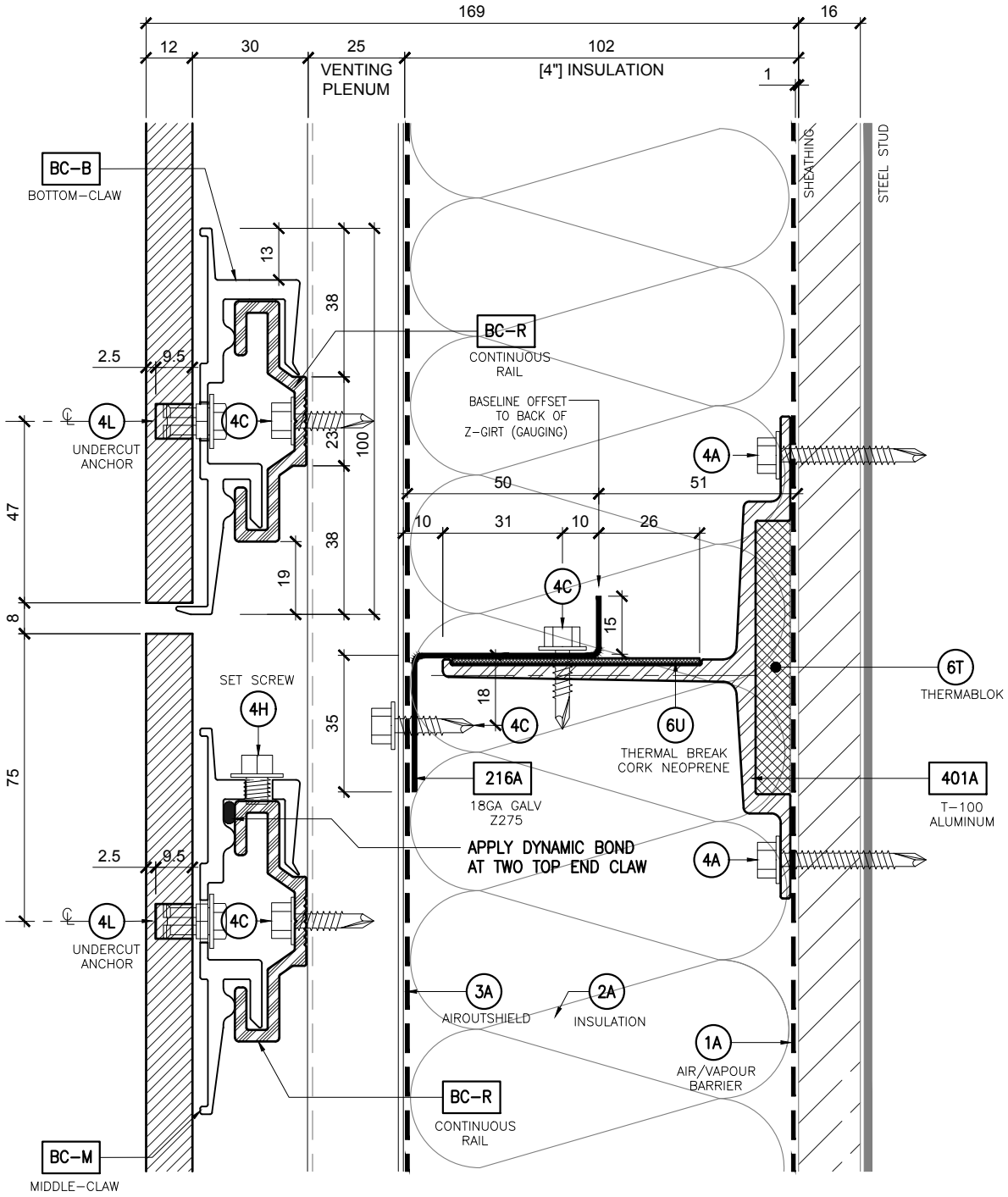

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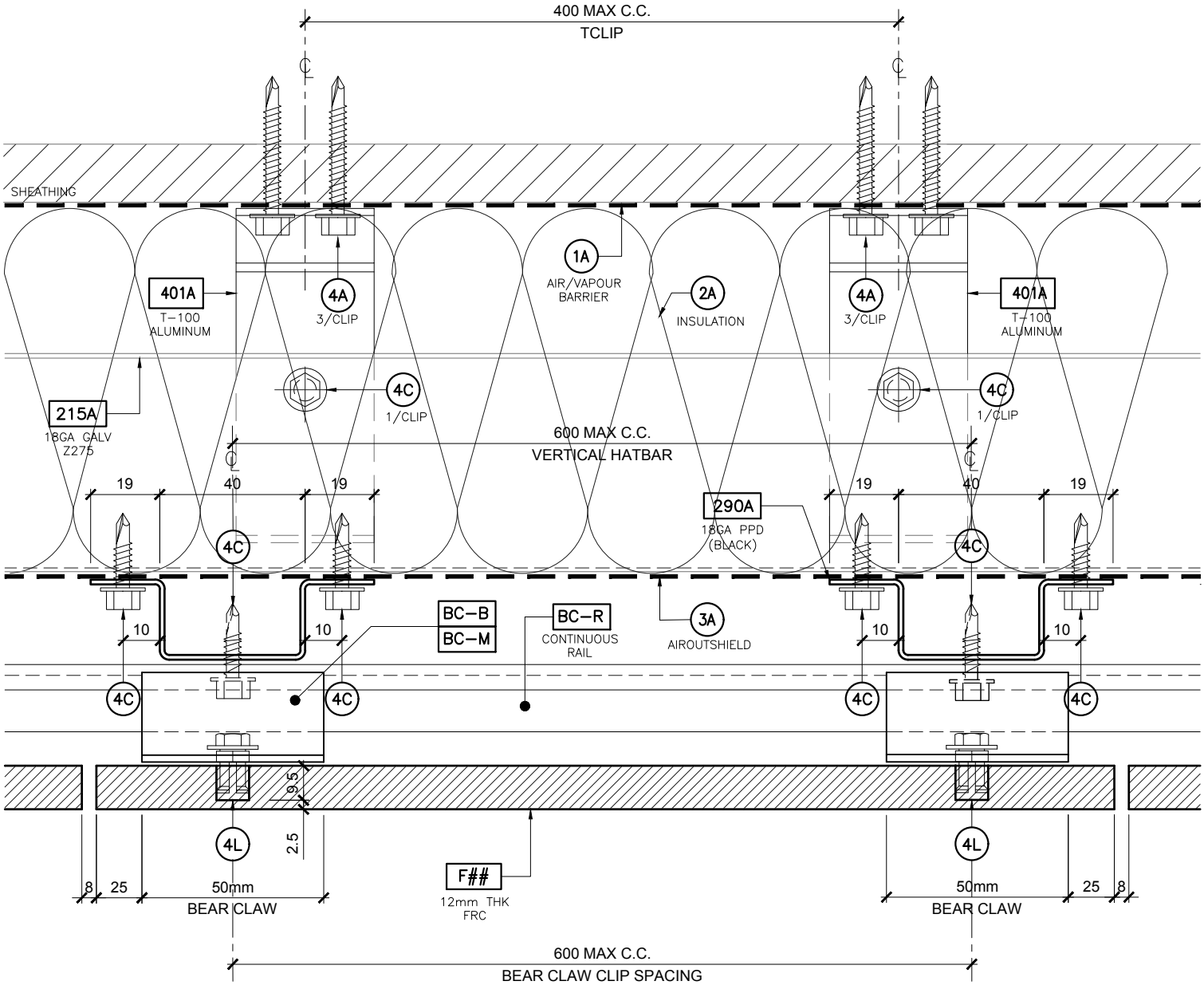

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PART SPECIFICATIONS FOR ENGINEERED ASSEMBLIES WALL SYSTEMS

THE FOLLOWING 'GENERAL NOTES' ARE CUT FROM AN E.A.I. WALL SYSTEM PROJECT DRAWING SET AND SHOW COMPONENTS AND PART SPECIFICATIONS FOR A TYPICAL ENGINEERED ASSEMBLIES WALL SYSTEM ON SHEATHED STRUCTURAL STUD WALLS. MODIFY SECTIONS 'A.' 'B.' FOR BLOCK OR CONCRETE SUBSTRATES.

E.A.I. STANDARD WALL SYSTEM — GENERAL NOTES

A ▫ STUD WALL: (BY OTHERS)

16mm INTERIOR GYPROC FINISH ON GALVANIZED STEEL STUDS AT 400 CENTERS.
- DESIGN OF SUBGIRTS ASSUMES 18GA STUDS (CSSBI 0.043" MIN STEEL THICKNESS) SPACED AT 400 [15 3/4"] MAXIMUM HARD METRIC CENTERS <– IMPORTANT

B ▫ SHEATHING: (BY OTHERS)

13mm [1/2"] 'DENSGLASS' FIBERGLASS FACED, TYPE X GYPSUM/CELLULOSE EXTERIOR SHEATHING BY GEORGIA PACIFIC
- FASTEN WITH SCREWS (HEADS TO BE FLUSH OR SLIGHTLY COUNTERSUNK)
- ALL FASTENING OF SHEATHING, STUDS AND TRACKS SHALL NOT INTERFERE WITH SUBSEQUENT FLUSH MOUNTING OF PANEL SUBGIRT SYSTEM

C ▫ A/V BARRIER: (1A)

1mm x 914 [36"] 'BLUESKIN SA' SELF–ADHESIVE AIR/VAPOUR BARRIER MEMBRANE BY BAKOR (SUPPLIED IN 22.9m [75'] ROLLS)
LOW TEMPERATURE INSTALLATION (BELOW +5°C) ALTERNATIVE IS 'BLUESKIN SA LT'
- SHEATHING MUST BE CLEAN OF DUST AND DRY BEFORE APPLYING MEMBRANE CONCRETE MUST BE CURED, SMOOTH, WITHOUT LARGE VOIDS (AND DRY) CONCRETE BLOCK JOINTS MUST BE STRUCK FLUSH
- PRIME ALL SURFACES WITH ROLLER–APPLIED BLUE 'BLUESKIN PRIMER'
  –SHEATHING COVERAGE IS 5sq.m OF WALL AREA PER LITER [250sq.ft PER GAL]
  –CONCRETE COVERAGE IS 2sq.m OF WALL AREA PER LITER [100sq.ft PER GAL]
- ALLOW PRIMER TO CURE (DRY) BEFORE APPLYING MEMBRANE (IF MEMBRANE CANNOT BE APPLIED DURING THE SAME DAY, REPRIME THE SURFACE)
- PEEL 50mm [2"] FROM BLUESKIN EDGE AND ALIGN MEMBRANE PERIMETERS WITH ADJACENT MEMBRANES (OVERLAP 50mm MINIMUM AT SIDE AND END LAPS)
- WHEN MEMBRANE IS ENTIRELY IN PLACE, ROLL LAPS AND INTERIOR WITH A COUNTER–TOP ROLLER TO ENSURE FULL CONTACT
- SEAL ALL MEMBRANE PENETRATIONS WITH MASTIC (SEE ITEM 6A)
- SEAL TOP EDGE OF MEMBRANE TO SUBSTRATE AT END OF EACH DAYS WORK
- COORDINATE MEMBRANE INSTALLATION AND PANEL INSULATION TO AVOID EXTENDED EXPOSURE OF MEMBRANE TO WEATHER
- FIELD COORDINATE WITH ADJACENT A/V MEMBRANE APPLIED BY OTHER TRADES TO ENSURE CONTINUITY OF AIR/VAPOUR BARRIER AT PERIMETERS (SEE DETAILS)

D ▫ INSULATION: FOR 'T100' CLIPS (2A)

76mm [3"] 'ROXULPLUS' SEMI–RIGID MINERAL WOOL BOARD BY ROXUL (UNFACED) PRECUT BATTS TO SUIT STANDARD HATBAR MODULE, 620V x1220H [24"x48" TYP]
- APPLY 6mmø [1/4"ø] BEAD OF TYPE 6A MASTIC IN SERPENTINE PATTERN AT 3 m2 PER LITER [150 ft2 PER GAL]
- BATTS ARE COMPRESSION–FIT BEHIND VERTICAL HATBARS AT JOINTS AND MID–BATT

E ▫ WEATHER BARRIER: (3A)

'AIROUTSHIELD UV' BREATHABLE 2 PLY BONDED POLYESTER WEATHER BARRIER FABRIC BY SRP CANADA, ROLL SIZE 1500 x50m [59" x165'] (BLACK ON EXPOSED SIDE)
- INSTALL BLACK–SIDE–OUT TO FORM A WATER/AIR BARRIER BEHIND THE PLENUM. APPLY TO THE EXTERIOR ZEEGIRT FACE WITH 2 SIDED TAPE (SEE ITEM 6C)
- SHINGLE HORIZONTAL AND VERTICAL LAPS APPRX 150mm [6"] TO THROW WATER AND SEAL LAPS AND PERIMETERS WITH CONTINUOUS TAPE (SEE ITEM 6B)

F ▫ TRIM: 1###

FABRICATED FROM 0.50mm [0.020"] 26GA BAYCOAT 8000+ SERIES PPD STEEL STANDARD COLOR T.B.C. WITH STANDARD WASHCOAT ON REVERSE SURFACE
- TRIM SUPPLIED ADJACENT TO PANELS ONLY WHERE SHOWN IN THESE DETAILS FASTEN WITH STAINLESS STEEL RIVETS AT 600 [24"] CENTERS (SEE ITEM 4D)

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G. SUBGIRTS: **2###** FABRICATED FROM MIN 1.26mm [0.050"] 18GA Z275 GRADE A GALVANIZED STEEL PLENUM SUBGIRTS PPD BOTH SIDES WITH 'PERSPECTRA SERIES' QC18262 BLACK

- FASTEN MULTI-SPAN HORIZONTAL SUBGIRTS TO EVERY STUD WITH HEX SCREWS (SEE ITEM 4B) AT 1 SCREW PER FLANGE PER STUD UNLESS NOTED OTHERWISE. UNDERDRILL WITH #20 BIT TO MAXIMIZE PULLOUT FROM SHEATHED 18GA STUDS
- FASTEN MULTI-SPAN VERTICAL PLENUM HATBARS TO EACH HORIZONTAL SUBGIRT WITH SELF-DRILLING TEKS (SEE ITEM 4C) THROUGH WEATHER BARRIER (SEE 3A) SELF-TAPPING FASTENERS (SEE ITEM 4A) MAY BE SUBSTITUTED FOR 4C TEKS (WITH #14 AB SCREWS USE 3/16" BIT PRE-DRILL INTO 18GA OR 16GA STEEL)

H. VENT SCREEN: **3###** FABRICATED FROM 4'x10' 0.040" PERFORATED ALUMINUM SHEET PREPAINTED BLACK (3/16"ø PERFORATIONS AT 1/4" STAGGERED CENTERS FOR 50% NET FREE AREA)

- USED AT BASE AND HEAD DETAILS TO PREVENT RODENT/BIRD ENTRY INTO PLENUM

J. THERMAL CLIP: **4###** FABRICATED FROM TYPE 6061-T6 ALUMINUM EXTRUSIONS SHOP PUNCHED FOR UP UP TO 4 SELF-DRILLING SCREWS (SEE ITEM 4G) PER CLIP AND SHOP FACED WITH TYPE 6U THERMAL BREAK AT SUBGIRT AND TYPE 6T THERMAL BREAK AT STUD SIDE

- FASTENING PATTERN BASED ON DESIGN LOADS SHALL BE AS SHOWN ON ELEVATION

L. FASTENERS:

(4A) #1/4-14 x38mm SELF-DRILLING HEXWAHSERHEAD SCREWS, CORROSION COATED

(4C) #12-14 x25mm SELF-DRILLING HEXWASHERHEAD SCREWS, CORROSION COATING

BC TO FRC > (4G) 6mmø x 9.5mm LONG CONVEX HEAD TORX SCREW

SET-SCREW > (4H) M8 x25 A2 HEXHEAD & BUTTON SOCKET CAP SCREW

POLYMER BOND > (4J) ONE COMPONENT HYBRID POLYMER BONDING ADHESIVE BY DYNAMIC BOND (BLACK) 310ml CARTRIDGE APPLIED AT 7.5m [25'] PER CARTRIDGE TO GIVE A 10mm [7/16"] x 10mm [7/16"] NOMINAL TRIANGULAR ERECTION BEAD (12mm [1/2"] x 3mm [1/8"] RECTANGULAR BEAD WHEN FORMED)

BC TO PHENOLIC > (4L) M6 x12 DIN 912B S.S. SOCKET CAP SCREW W/ WASHER 6.4 DIN 9021 S.S.

M. OTHER:

(6A) BAKOR 230-21 INSULATION MASTIC ADHESIVE

(6B) SRP 60mm WIDE x 25m /ROLL BLACK SEAL TAPE FOR WEATHER BARRIER LAPS

(6D) TREMCO 'TREMSIL 600' BLACK SILICONE GASKET ADHESIVE
APPLY 3ø SERPENTINE PATTERN AT 10m [30'] PER 310ml CARTRIDGE TO HATBARS

(6E) E.A.I. CUT EDGE 'LUKO' SEALER (IF REQUIRED BY PANEL MANUFACTURER APPLY EDGE SEALER AT AN APPLICATION RATE OF 350m [1100'] PER LITER CAN)

(6F) PANEL ERECTION SUPPORT & BEAD-DEPTH BLACK FOAM TAPE 'DYNAMIC TAPE' BY DYNAMIC BOND 25m [82'] PER ROLL, TAPE SIZE 12mm [1/2"] x 3mm [1/8"] SELF-ADHESIVE BOTH SIDES WITH STRIPPABLE FILM.

(6G) PANEL BONDING SURFACE CLEANER 'DYNAMIC-CLEANER' BY DYNAMIC BOND, APPLY CLEANER TO SURFACE PREPARATION STRIPS AT A RATE OF 1500m [4900'] PER 5 LITER CAN.

(6T) 'THERMABLOK' HIGH PERFORMANCE SILICA AEROGEL INSULATION PAD BY ACOUSTIBLOK 10x40x100 PAD R=10.3/in (R.pad at 10% ERECTED COMPRESSION =10.3x0.354"=3.6) SHOP INSTALLED WITH SELF-ADHESIVE BACKER

(6U) '1659X' FIRM HIGH-TENSILE CORK-NEOPRENE TAPE BY JACOBS & THOMPSON 1.6 [1/16"] x40x65 PAD, R.approximate =2.4/in <for 50 cork (R.pad =0.15) SHOP INSTALLED WITH SELF-ADHESIVE BACKER

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PANEL INSTALLATION INSTRUCTIONS

8mm FRC W/ DYNAMIC BOND

K. PANELS:

F###

FABRICATED FROM FIBER REINFORCED CEMENT 8mm [5/16"] THK. PANELS
AIR-DRY CURED WITH SEMI-TRANSPARENT PROPRIETARY COLOR COATING

- ALL E.A.I. WALL SYSTEMS ARE DESIGNED AS 'OPEN RAIN SCREENS'. A CONTINUOUS 20mm MIN VENTED VERTICAL PLENUM MUST BE PROVIDED BEHIND WALL PANELS. HORIZONTAL JOINTS ARE OPEN (VERTICAL JOINTS HAVE BLACK DRAINAGE HATBARS)
- PANELS SHALL BE SHOP OR FIELD CUT TO WIDTH AND LENGTH TO SUIT AS-BUILT CONDITIONS AS FOLLOWS:
  - CUT DRY PANELS ONLY FROM THE BACK SIDE USING AN APPROVED DIAMOND OR CARBIDE TIPPED BLADE (RPM AND FEEDING SPEED PER E.A.I. RECOMMENDATIONS)
  - SET BLADE DEPTH 5mm DEEPER THAN PANEL THICKNESS.
  - FINISH CUT EDGES WITH 80 GRIT EMERY CLOTH SANDING BLOCK.
- REMOVE DUST IMMEDIATELY AFTER CUTTING THE PANEL.
- SEAL CUT EDGES WITH E.A.I.'S 'LUKO 803' EDGE-CUT SEALER (6E) BEFORE SHIPPING OR STORAGE

NOTE
- THROUGH COLORED FRC DOES NOT REQUIRE E.A.I 'LUKO 803' EDGE-CUT SEALER.

BOND INSTRUCTIONS:

- CLEARLY MARK AND MEASURE THE PREFIX LINES ON THE BACK OF THE PANEL.
- USING DYNAMIC CLEAN P. - SPRAY ALONG THE MARKED LINES AND WIPE THE BACK OF THE FRC PANEL IN ONE DIRECTION WITH A CLEAN CLOTH. ALLOW 10 MINUTES DRYING TIME
- POUR CONTENTS OF DYNAMIC S.I. CAN "B" INTO DYNAMIC S.I. CAN "A" AND THOROUGHLY MIX FOR 2 MINUTES. APPLY SURFACE IMPROVER (100mm WIDE) ALONG THE SURFACE IMPROVER GUIDE LINES. NOTE: DYNAMIC S.I. MIXTURE WILL ONLY BE GOOD FOR 30 MINUTES
- CURING TIME - MINIMUM OF 12 HOURS
- SPRAY AND WIPE 'BEARCLAW' CLIPS (TOP, MIDDLE, & BOTTOM) WITH DYNAMIC CLEAN P. LET THE DYNAMIC CLEAN P EVAPORATE FOR 10 MIN.
- APPLY DYNAMIC CLEAN TAPE ALONG THE OUTER SIDES OF THE 50mm-150mm 'BEARCLAW' CLIPS (TOP, MIDDLE, & BOTTOM).
- APPLY DYNAMIC BOND ADHESIVE BEAD ALONG THE INNER SIDES OF THE 150mm 'BEARCLAW' TOP, MIDDLE, & BOTTOM CLIPS; UTILIZING THE 9mm x 9mm V-SHAPED NOZZLE. THE BEAD MUST BE A WIDTH OF 12mm AND HEIGHT OF 3mm.
- FIRMLY ATTACH THE PREPARED CLIPS TO THE CLEAN SIDE OF THE PANEL. CLIPS MUST BE INSTALLED WITHIN 10 MINUTES OF APPLYING THE DYNAMIC BOND BEAD. IF INSTALLED INCORRECTLY, THERE IS A 30 MINUTE GRACE PERIOD TO REMOVE, CLEAN, AND RE-INSTALL THE BEARCLAW BACK ONTO THE PANEL.

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PANEL INSTALLATION INSTRUCTIONS

8mm PHENOLIC W/ DYNAMIC BOND

K. PANELS:

P###

FABRICATED FROM PHENOLIC 8mm [5/16"] THK PANELS. EXTERIOR GRADE FACING COATED WITH 'PVDF' GRAFFITI AND 'EVERLOOK' OVERLAYS LAMINATED TO THERMO-HARDENED RESIN-SATURATED 'HPL' INNER CORE AND BACKER

- ALL E.A.I. WALL SYSTEMS ARE DESIGNED AS 'OPEN RAIN SCREENS'. A CONTINUOUS 20mm MIN VENTED VERTICAL PLENUM MUST BE PROVIDED BEHIND WALL PANELS. HORIZONTAL JOINTS ARE OPEN (VERTICAL JOINTS HAVE BLACK DRAINAGE HATBARS)
- PANELS WILL BE SHOP OR FIELD CUT TO WIDTH AND LENGTH TO SUIT AS-BUILT CONDITIONS AS FOLLOWS:
  - CUT DRY PANELS ONLY FROM THE BACK SIDE USING AN APPROVED DIAMOND OR CARBIDE TIPPED BLADE (RPM AND FEEDING SPEED PER E.A.I. RECOMMENDATIONS)
  - SET BLADE DEPTH 5mm DEEPER THAN PANEL THICKNESS.
- REMOVE DUST AFTER CUTTING A PANEL; BEFORE SHIPPING OR STORAGE.

BOND INSTRUCTIONS:

- PLACE CUT PANEL ON A FLAT STABLE SURFACE.
- LIGHTLY SAND THE BACK OF THE PANEL WITH SANDING BLOCK. WIPE THE PANEL IN ONE DIRECTION USING A CLEAN CLOTH AND DYNAMIC CLEAN P.
- AT THE BACK OF THE PANEL; CLEARLY MARK THE LOCATIONS OF THE BEARCLAW CLIPS.
- USING DYNAMIC CLEAN P. - SPRAY ALONG THE MARKED LINES AND THEN WIPE THE BACK OF THE PHENOLIC PANEL IN ONE DIRECTION WITH A CLEAN CLOTH. ALLOW 10 MINUTES DRYING TIME.
  - SPRAY 'BEARCLAW' TOP, MIDDLE, & BOTTOM CLIPS AND THEN WIPE THE CLIPS WITH A CLEAN CLOTH. LET THE DYNAMIC CLEAN P EVAPORATE FOR APPROXIMATELY 10 MIN.
- APPLY DYNAMIC CLEAN TAPE ALONG THE OUTER SIDE OF THE 50mm-150mm 'BEARCLAW' CLIPS (TOP, MIDDLE, & BOTTOM).
- APPLY DYNAMIC BOND ADHESIVE BEAD ALONG THE INNER SIDES OF THE 50mm-150mm 'BEARCLAW' CLIPS (TOP, MIDDLE, & BOTTOM) UTILIZING THE 9mm x 9mm V-SHAPED NOZZLE. THE BEAD MUST BE A WIDTH OF 12mm AND HEIGHT OF 3mm.
- ATTACH THE PREPARED CLIPS TO THE CLEAN SIDE OF THE PANEL. CLIPS MUST BE INSTALLED WITHIN 10 MINUTES OF APPLYING THE DYNAMIC BOND BEAD. IF INSTALLED INCORRECTLY, THERE IS A GRACE PERIOD OF 30 MINUTES TO REMOVE, CLEAN AND RE-INSTALL CLIPS ONTO BACK OF PANEL.

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PANEL INSTALLATION INSTRUCTIONS

6mm PORCELAIN W/ DYNAMIC BOND

K. PANELS:

P###

PORCELAIN PANELS 6mm THK. SUPPLIED BY SAVIOA
COLOR: IRIS–HI–LITE METAL XXL WHITE CHROME / WHITE IRON

- ALL E.A.I. WALL SYSTEMS ARE DESIGNED AS 'OPEN RAIN SCREENS'. A CONTINUOUS 20mm MIN VENTED VERTICAL PLENUM MUST BE PROVIDED BEHIND WALL PANELS. HORIZONTAL JOINTS ARE OPEN (VERTICAL JOINTS HAVE BLACK DRAINAGE HATBARS)

- CUTTING PORCELAIN TILE:
  - MARK WHERE YOU WANT TO CUT ON THE FACE OF THE PORCELAIN.
  - PLACE A SQUARE ON THE PORCELAIN SLIGHTLY AWAY FROM THE DESIRED CUT MARK TO MAKE A STRAIGHT GUIDELINE.
  - ALIGN THE SUCTION CUP GUIDE RAIL ON THE FACE OF THE PANEL TO THE MARKED GUIDELINE.
  - LOCK SUCTION CUPS INTO PLACE AND ATTACH THE TILE CUTTER ONTO THE GUIDE RAIL.
  - MAKE SURE THE PORCELAIN IS PLACED ON A SOLID SURFACE; THEN PRESS DOWN ON THE TILE CUTTER AND FIRMLY RUN IT ALONG THE SCORE LINE.
  - PRESS DOWN ON THE SIDE OF THE PORCELAIN TO BREAK THE TILE ALONG THE SCORE LINE.
  - IF NEEDED, USE A SANDING BLOCK TO SMOOTHEN THE EDGES.

BOND INSTRUCTIONS:

- ON THE BACK OF THE PANEL CLEARLY MARK WHERE THE 'BEARCLAW' CLIPS (TOP, MIDDLE, AND BOTTOM) WILL BE PLACED.

- SPRAY THE BACK OF THE PORCELAIN PANEL WITH DYNAMIC CLEAN P. AND WIPE WITH A CLEAN CLOTH IN ONE DIRECTION. LET THE DYNAMIC CLEAN P EVAPORATE FOR 10 MINUTES.

- CLEAN AND DEGREASE 'BEARCLAW' CLIPS (TOP, MIDDLE, AND BOTTOM) WITH DYNAMIC CLEAN P. LET THE DYNAMIC CLEAN P EVAPORATE FOR 10 MINUTES.

- APPLY DYNAMIC CLEAN TAPE ALONG THE OUTER SIDES OF THE 'BEARCLAW' CLIPS (TOP, MIDDLE, AND BOTTOM) IN AN UNBROKEN, CONTINUOUS, FULL LENGTH STRIP.

- APPLY DYNAMIC BOND ADHESIVE BEAD TO THE CLEAN SIDE OF THE CLIP UTILIZING THE 9mm x 9mm V–SHAPED NOZZLE. THE BEAD MUST BE A WIDTH OF 12mm AND HEIGHT OF 3mm.

- FIRMLY ATTACH THE PREPARED CLIPS ONTO THE CLEAN SIDE OF THE PANEL. CLIPS MUST BE INSTALLED WITHIN 10 MINUTES OF APPLYING THE DYNAMIC BOND BEAD. IF INSTALLED INCORRECTLY, THERE IS A GRACE PERIOD OF 30 MINUTES TO REMOVE, CLEAN, AND RE–INSTALL CLIPS ONTO THE BACK OF THE PANEL.

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PANEL INSTALLATION INSTRUCTIONS

10mm PHENOLIC W/ BLIND FASTENER

K. PANELS:

P### FABRICATED FROM PHENOLIC 10mm THK. EXTERIOR GRADE FACING COATED WITH 'PVDF' GRAFFITI AND 'EVERLOOK' OVERLAYS LAMINATED TO THERMO-HARDENED RESIN-SATURATED 'HPL' INNER CORE AND BACKER

- ALL E.A.I. WALL SYSTEMS ARE DESIGNED AS 'OPEN RAIN SCREENS'. A CONTINUOUS 20mm MIN VENTED VERTICAL PLENUM MUST BE PROVIDED BEHIND WALL PANELS. HORIZONTAL JOINTS ARE OPEN (VERTICAL JOINTS HAVE BLACK DRAINAGE HATBARS)
- PANELS SHALL BE SHOP OR FIELD CUT TO WIDTH AND LENGTH TO SUIT AS-BUILT CONDITIONS AS FOLLOWS:
  - CUT DRY PANELS ONLY FROM THE BACK SIDE USING AN APPROVED DIAMOND OR CARBIDE TIPPED BLADE (RPM AND FEEDING SPEED PER E.A.I. RECOMMENDATIONS)
  - SET BLADE DEPTH 5mm DEEPER THAN PANEL THICKNESS.
- REMOVE DUST IMMEDIATELY AFTER PANEL CUTTING BEFORE SHIPPING OR STORAGE

INSTRUCTIONS ON HOW TO INSTALL BLIND FASTENER:

- ON THE BACK OF THE PANEL, CLEARLY MARK WHERE THE CLIPS WILL BE PLACED
- DRILL 8mm DEEP HOLE WITH APPLICABLE DIAMETER
- BLOW OUT EXCESSIVE DUST, IN AND AROUND THE HOLE.
- FASTEN CLIPS ONTO THE PANEL USING BLIND FASTENER

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PANEL INSTALLATION INSTRUCTIONS

12mm FRC W/ UNDERCUT ANCHOR

K. PANELS:

F###

FABRICATED FROM FIBER CEMENT FACADE 12mm THK.
AIR–DRY CURED WITH SEMI–TRANSPARENT PROPRIETARY COLOR COATING.

- ALL E.A.I. WALL SYSTEMS ARE DESIGNED AS 'OPEN RAIN SCREENS'. A CONTINUOUS 20mm MIN VENTED VERTICAL PLENUM MUST BE PROVIDED BEHIND WALL PANELS. HORIZONTAL JOINTS ARE OPEN (VERTICAL JOINTS HAVE BLACK DRAINAGE HATBARS)
- PANELS WILL BE SHOP OR FIELD CUT TO WIDTH AND LENGTH TO SUIT AS–BUILT CONDITIONS AS FOLLOWS:
  – CUT DRY PANELS ONLY FROM THE BACK SIDE USING AN APPROVED DIAMOND OR CARBIDE TIPPED BLADE (RPM AND FEEDING SPEED PER E.A.I. RECOMMENDATIONS)
  – SET BLADE DEPTH 5mm DEEPER THAN PANEL THICKNESS.
  – FINISH CUT EDGES WITH 80 GRIT EMERY CLOTH SANDING BLOCK
- REMOVE DUST IMMEDIATELY AFTER CUTTING THE PANEL.
- SEAL CUT EDGES WITH E.A.I.'S 'LUKO 803' EDGE–CUT SEALER (6E) BEFORE SHIPPING OR STORAGE

INSTRUCTIONS ON HOW TO INSTALL UNDERCUT ANCHOR:

- ON THE BACK OF THE PANEL, CLEARLY MARK WHERE THE HOLES WILL BE DRILLED
- DRILL THE HOLES USING A KEIL ANCHOR DRILL WITH APPLICABLE DIAMETER AND DEPTH
- REMOVE EXCESSIVE DUST, IN AND AROUND THE DRILLED HOLE.
- ATTACH UNDERCUT ANHOR TO THE CLIP AND PANEL