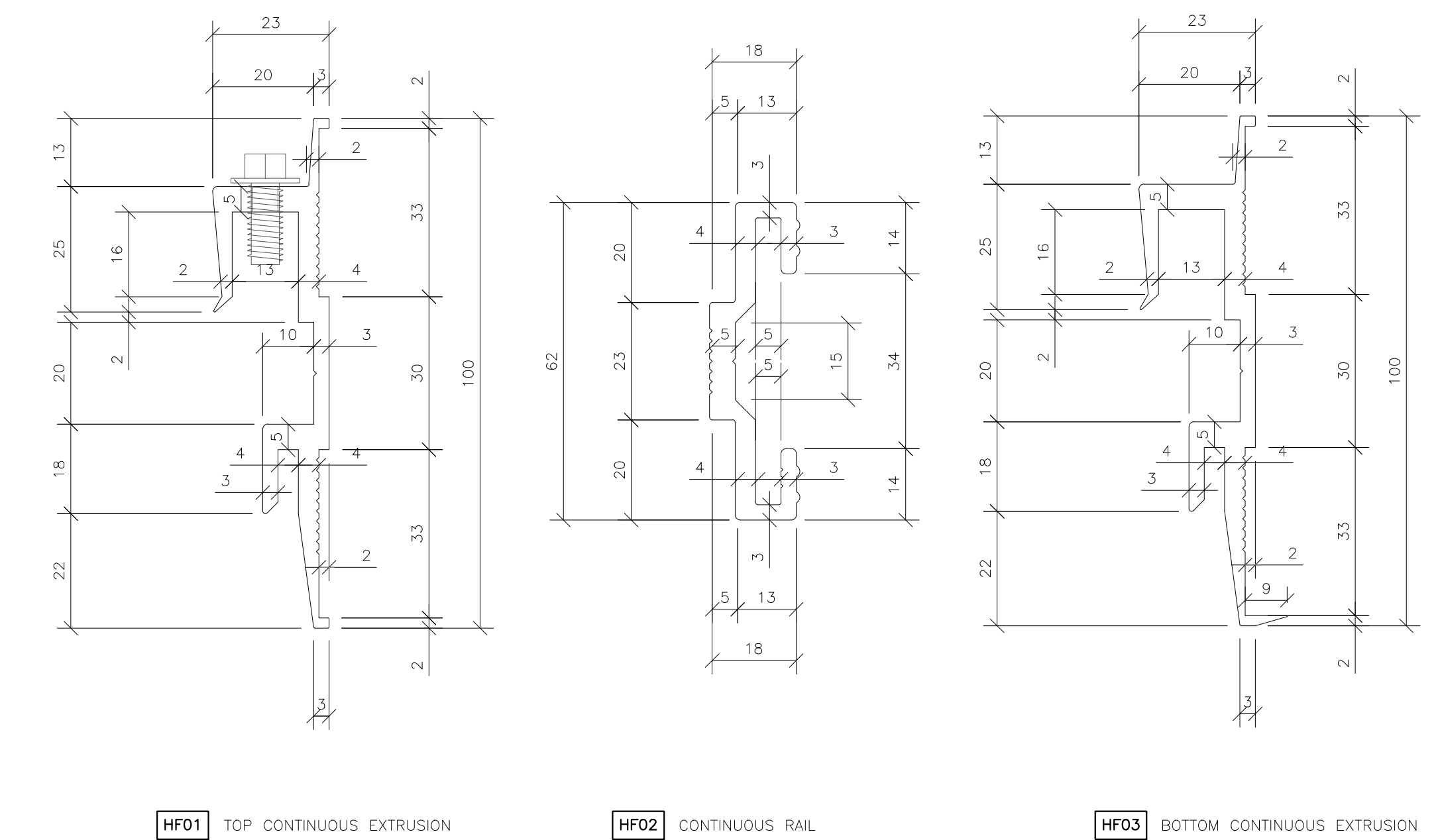
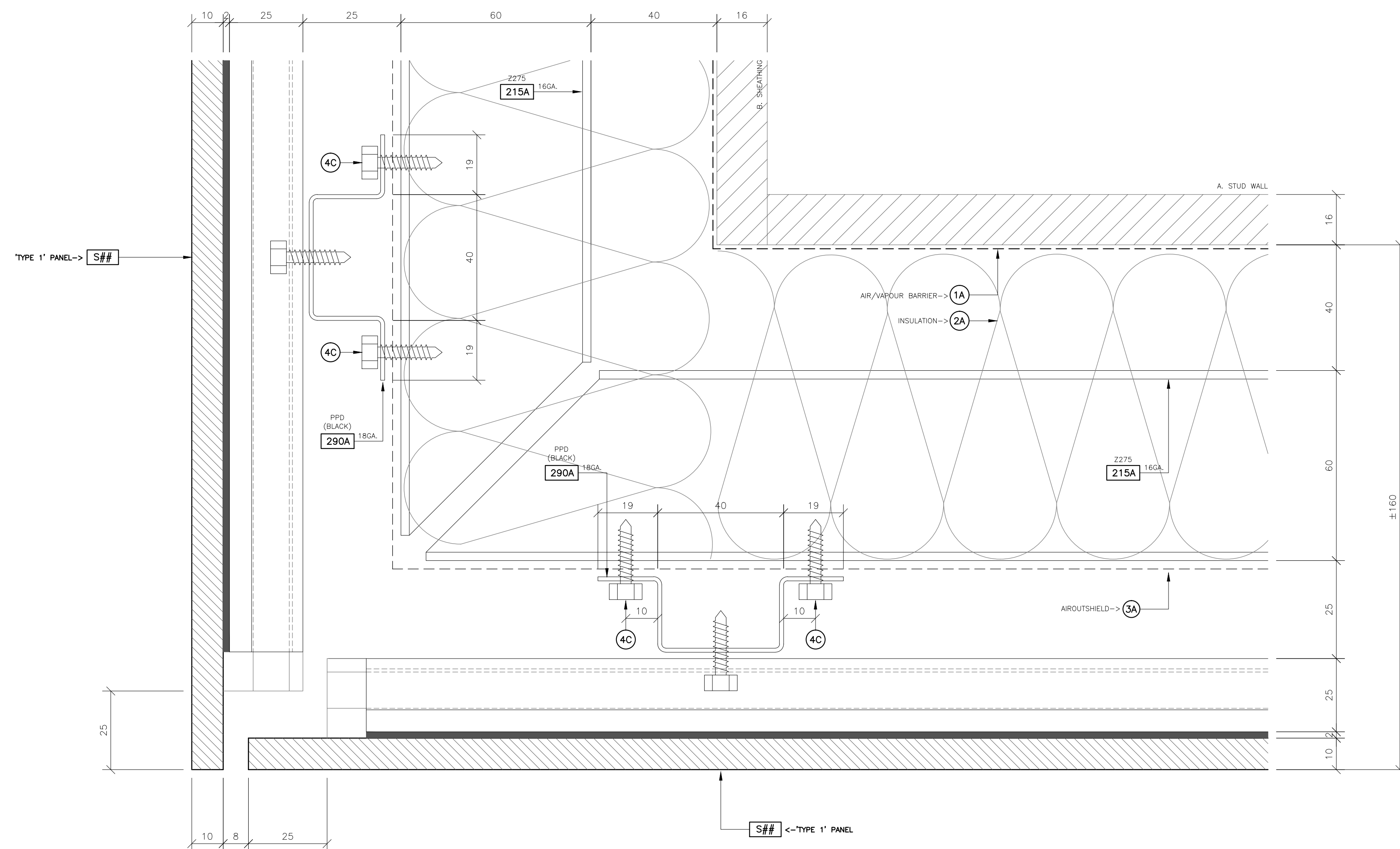


6005 T6 EXTRUDED ALUMINUM



MAX VERTICAL SPACING IS 600mm [24"]
MAX WIND LOAD OF 70 PSF [3.35 kpa]

A E.A.I. 'T100' THERMAL WALL WITH 'HIDDEN FASTENER' SYSTEM
SAVOIA (SOFFIT LAYOUT) 10mm THK. PORCELAIN



B E.A.I. 'T100' THERMAL WALL WITH 'HIDDEN FASTENER' SYSTEM
SAVOIA OUTSIDE CORNER (PLAN) 10mm THK. PORCELAIN

IMPORTANT ERECTION NOTES – ENSURING BOND DESIGN STRENGTH

- PANEL BONDING SHOULD ONLY BE ATTEMPTED IN DRY WEATHER WHEN THE AMBIENT FIELD WORKING TEMPERATURE IS BETWEEN +5°C MINIMUM TO +40°C [+40°F MINIMUM TO +105°F]
- SUCCESSFUL BONDING REQUIRES THAT THE RELATIVE HUMIDITY BE LESS THAN 90% AND THAT THE HATBAR TEMPERATURE BE AT LEAST 3°C [5°F] HIGHER THAN THE DEW POINT. IF THESE CONDITIONS ARE NOT MET THE HATBAR SURFACE MAY BE 'DAMP' AND A FULL-STRENGTH STRUCTURAL BOND MAY NOT BE ACHIEVED. IT IS IMPORTANT TO EMPHASIZE THAT AN UNACCEPTABLE 'DAMP' SURFACE WILL NOT NECESSARILY SHOW VISIBLE CONDENSATION DROPLETS OR EVEN FEEL WET TO THE TOUCH, BEFORE IT CAN DEGRADE THE STRUCTURAL BOND. OBVIOUSLY THE PANEL SURFACE AND THE PANEL ITSELF MUST BE THOROUGHLY DRY BEFORE APPLYING THE ADHESIVE.
- NEVER ATTEMPT BONDING ON A FOGGY DAY OR IF RAIN IS EXPECTED WITHIN 24 HOURS, AS DAMP CONDITIONS DURING THE ADHESIVE CURING PERIOD WILL DEGRADE THE BOND STRENGTH.
- PANELS AND HATBARS MUST BE CLEAN AND COMPLETELY FREE OF GREASE AND DUST AT THE TIME OF ADHESIVE APPLICATION. PREPARED PANELS SHOULD BE INSTALLED WITH A MINIMUM TIME DELAY BETWEEN THE PREPARATION OF THE PANEL AND HATBAR SURFACES.
- EUROPANELS 'FRC' PRODUCTS REQUIRE APPLICATION OF A 'SURFACE IMPROVER' TO THE BONDED FACE AREA (SEE 'SURFACE PREPARATION' AREAS ABOVE). THIS MUST BE APPLIED THE DAY BEFORE MOUNTING AND THE PANEL HELD IN AN INTERIOR, DUST-FREE LOCATION DURING THE 12 HOUR CURING PERIOD.
- WALL PANELS SLOPING OUTWARDS 2° OR MORE (BOTTOM TO TOP) AND EACH SOFFIT PANEL MUST BE SUPPORTED DURING MOUNTING AND AT LEAST 24 HOURS THEREAFTER (UNTIL THE ADHESIVE IS CURED).

ADHESIVE BOND DATA

CONSERVATIVE DESIGN VALUES
TENSILE STRENGTH --- N/m [100 lb/ft]
SHEAR STRENGTH --- N/m [999 lb/ft]

E.A.I. REQUIRES TESTING OF EACH PANEL TYPE AND SUBSTRATE COMBINATION USING SURFACE FINISHES SPECIFIED FOR THE PROJECT AND JOINTS PREPARED TO THE TWEHA 'KOMO' CERTIFICATION PROTOCOL.

THE ABOVE DATA IS SUPPLIED CONSERVATIVELY FOR THE WEAKEST BOND TEST REDUCED FOR A MINIMUM CONTACT WIDTH OF 9mm. DUE TO THE VARIABILITY OF FIELD PREPARATION AND MOUNTING CONDITIONS, THE DESIGN VALUES INCLUDE A FACTOR OF SAFETY OF APPROX 7 FOR THE TENSILE STRENGTH, AND 12 FOR THE SHEAR STRENGTH

No.	DATE	REVISION	BY
0	NOV-04-2013	FOR REFERENCE ONLY	ADG

STAMP
FOR REFERENCE
DATE: NOV-04-2013

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ENGINEER STAMP

PROJECT ---
LOCATION ---
CUSTOMER ---
DESIGNER ---

DRAWING TITLE
PORCELAIN R.V.R.S. 'HIDDEN FASTENER' SYSTEM
BY ADG CHECKED BY ---
DATE NOV 2013 PROJECT # ---
SCALE NTS SHEET SD2

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