



TYPICAL VERTICAL & OVERHEAD CONCRETE REPAIR SECTION

1. SAW CUT EXPOSED PERIMETER EDGE OF PATCHES USING A TILTED BLADE TO PROVIDE A KEYED PATCH.
2. CHIP AND REMOVE LOOSE, DETERIORATED CONCRETE (CRACKED, DELAMINATED, SPALLED) BACK INTO SOUND CONCRETE. WHERE REMOVAL OF UNSOUND CONCRETE EXPOSES MORE THAN HALF THE PERIMETER OF REINFORCING BAR, THE BAR SHALL BE COMPLETELY EXPOSED WITH SUFFICIENT CLEARANCE AROUND THE BAR (3/4" MIN.) TO ENSURE ENCASEMENT AND BOND OF REPAIR MORTAR. SUBSTRATE, INCLUSIVE OF MINIMUM REPAIR MORTAR APPLICATION THICKNESS, IS TO BE PREPARED IN STRICT ACCORDANCE WITH THE REPAIR MATERIAL MANUFACTURER'S INSTRUCTIONS.
3. MECHANICALLY CLEAN EXPOSED REINFORCING SURFACE OF ALL CONCRETE, SCALES AND RUST. SPLICE NEW BARS TO EXISTING REINFORCING WHERE EXISTING BARS ARE REDUCED IN SECTIONAL AREA MORE THAN 25%. PROVIDE CLASS "C" SPLICE. APPLY ANTI-CORROSION COATING TO NEW REINFORCING.
4. INSTALL TIE WIRE ANCHORS AT 2'-0" O.C'. MINIMUM WHERE CONCRETE REMOVAL HAS COMPLETELY EXPOSED OVERHEAD REINFORCING LENGTH OVER 2'-0".
5. PRIME SUBSTRATE SURFACES AS REQUIRED BY THE REPAIR MORTAR MANUFACTURER'S INSTRUCTIONS AND APPLY REPAIR MATERIALS AND CURE IN STRICT ACCORDANCE WITH THE REPAIR MATERIAL MANUFACTURER'S INSTRUCTIONS. ANY DEVIATION FROM THESE RECOMMENDATIONS ARE TO BE SUBMITTED IN WRITING FROM THE MANUFACTURER BEFORE WORK BEGINS. WET CURE ALL PATCHES. ALL REINFORCING TO HAVE A MINIMUM OF 1/2 INCH REPAIR MORTAR COVER.