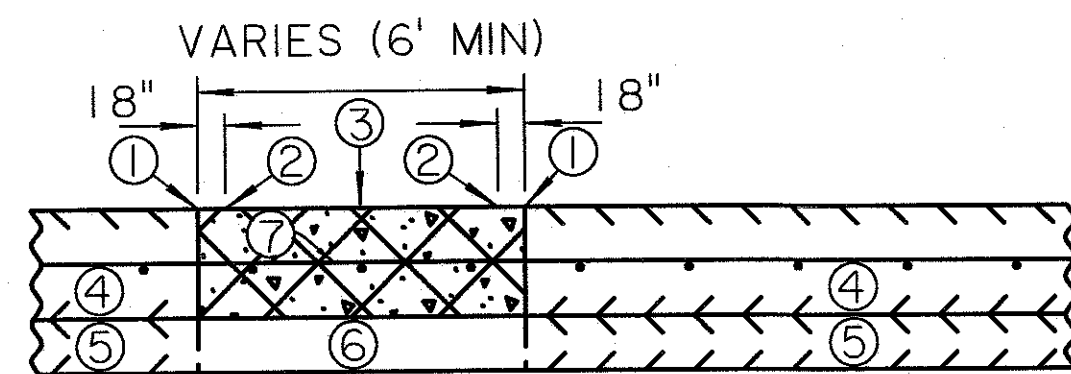
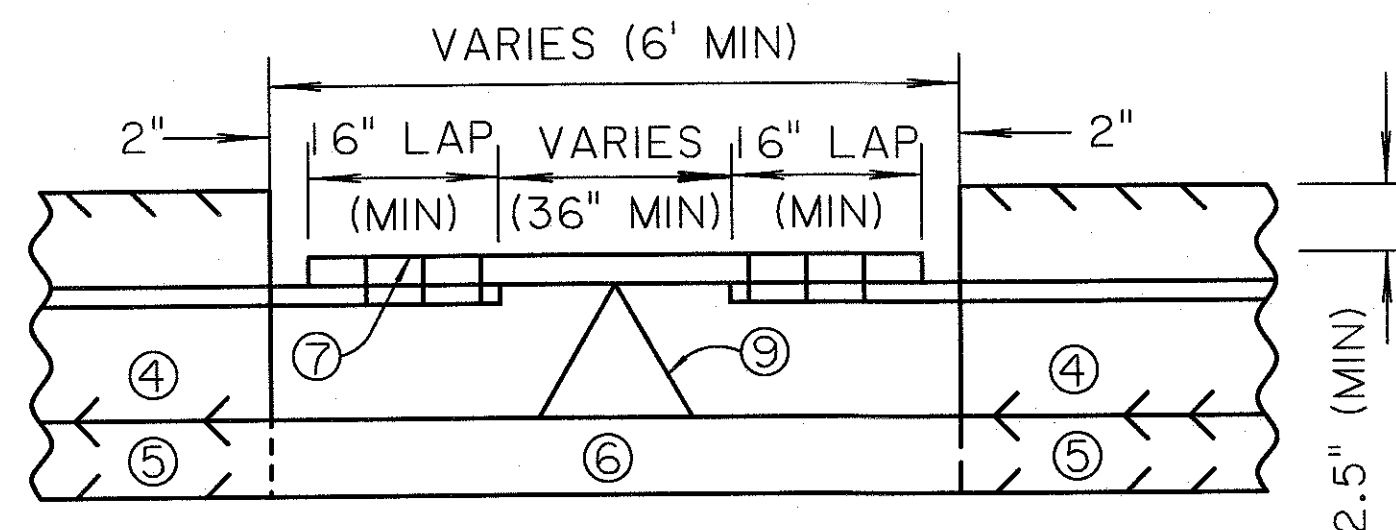


PLAN VIEW



SECTION VIEW



STEEL LAP DETAIL

PATCHING CRCP

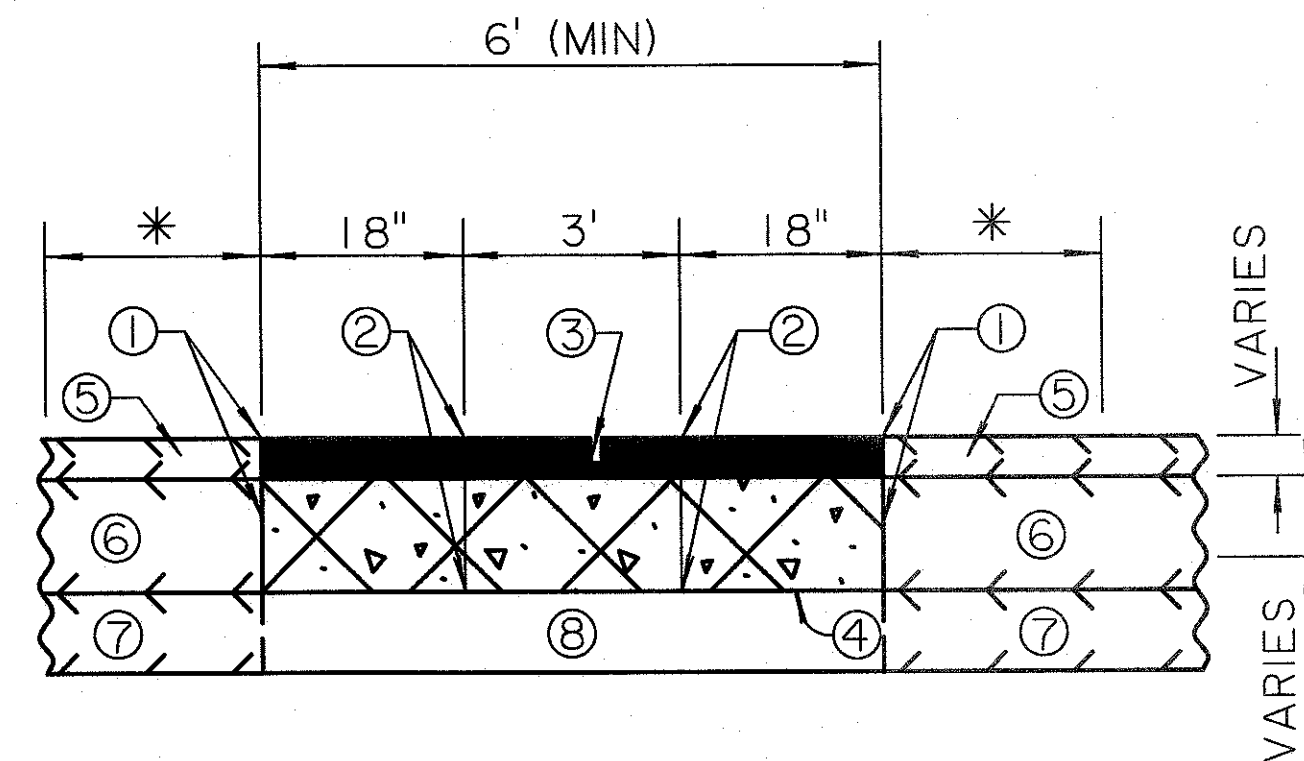
LEGEND

- ① PARTIAL DEPTH SAW CUT (1 1/2" MINIMUM DEPTH).
- ② FULL DEPTH SAW CUT.
- ③ CONTINUOUSLY REINFORCED CONCRETE PAVEMENT TO BE REMOVED AND REPLACED.
- ④ EXISTING CONTINUOUSLY REINFORCED CONCRETE PAVEMENT TO REMAIN.
- ⑤ EXISTING BASE COURSE TO REMAIN.
- ⑥ DETERIORATED BASE COURSE TO BE REMOVED AND REPLACED WITH CONCRETE WITHIN PATCHING LIMITS.
- ⑦ LONGITUDINAL AND TRANSVERSE STEEL TO BE REPLACED WITH THE SAME SIZE AND GRADE AS EXISTING STEEL.
- ⑧ CONCRETE IN THE SPLICE SECTION SHALL BE REMOVED IN SUCH A MANNER THAT THE EXISTING STEEL IS NOT DAMAGED OR BENT IN ANY DIRECTION.
- ⑨ THE MAXIMUM SPACING OF SUPPORTING CHAIRS SHALL BE 48".

NOTES:

1. TRANSVERSE SAWCUTS SHALL BE ALLOWED ACROSS ONLY ONE LANE AT A TIME.
2. THE DESIRED CLEARANCE BETWEEN THE PARTIAL DEPTH SAW CUT AND THE NEAREST TRANSVERSE CRACK IS 18". A SHORTER DISTANCE MAY BE USED, BUT NOT LESS THAN 6".
2. ALL WORK ON THIS DETAIL TO BE PAID FOR UNDER ITEM LABELED: PATCHING CONTINUOUSLY REINFORCED CONCRETE PAVEMENT.
3. DETAIL NOT TO SCALE.

PATCHING CRCP WITH HMAC



SECTION VIEW

* AN 18" CLEARANCE BETWEEN THE PARTIAL DEPTH SAW CUT AND THE NEAREST TRANSVERSE CRACK IS DESIRED. A SHORTER DISTANCE MAY BE USED, BUT THE MINIMUM LENGTH MUST NOT BE LESS THAN 6".

NOTES:

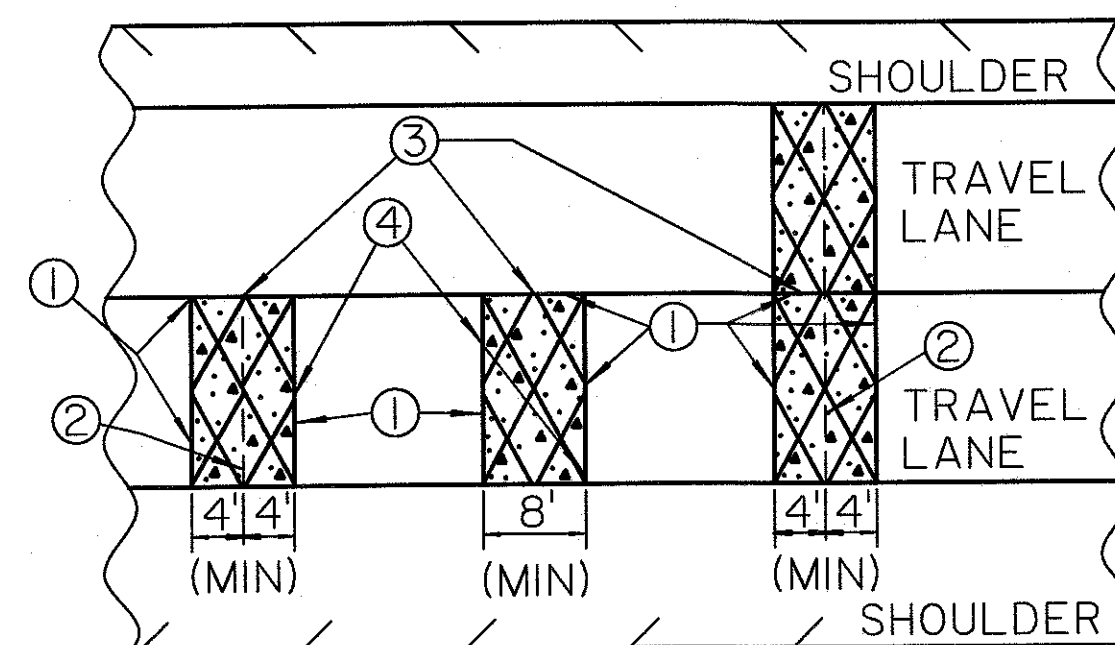
1. ALL WORK ON THIS DETAIL TO BE PAID FOR UNDER ITEM LABELED: PATCHING CONTINUOUSLY REINFORCED CONCRETE PAVEMENT.
2. DETAIL NOT TO SCALE.

LEGEND

- ① FULL DEPTH SAW CUT THROUGH EXISTING ASPHALT CONCRETE WITH PARTIAL DEPTH SAW CUT THROUGH CRCP (1 1/2" to 2").
- ② FULL DEPTH SAW CUT THROUGH EXISTING ASPHALT CONCRETE AND CRCP.
- ③ EXISTING ASPHALT CONCRETE TO BE REMOVED AND REPLACED. (COURSES AND TYPES TO BE AS SHOWN ON THE TYPICAL SECTION).
- ④ CRCP TO BE REMOVED AND REPLACED (SEE PATCHING CRCP DETAILS).
- ⑤ EXISTING ASPHALT CONCRETE TO REMAIN.
- ⑥ EXISTING CRCP TO REMAIN.
- ⑦ EXISTING BASE COURSE TO REMAIN.
- ⑧ DETERIORATED BASE COURSE TO BE REMOVED AND REPLACED WITH CONCRETE WITHIN THE PATCHING LIMITS.

PATCHING JOINTED PCCP

FULL WIDTH PANEL PATCH



PLAN VIEW

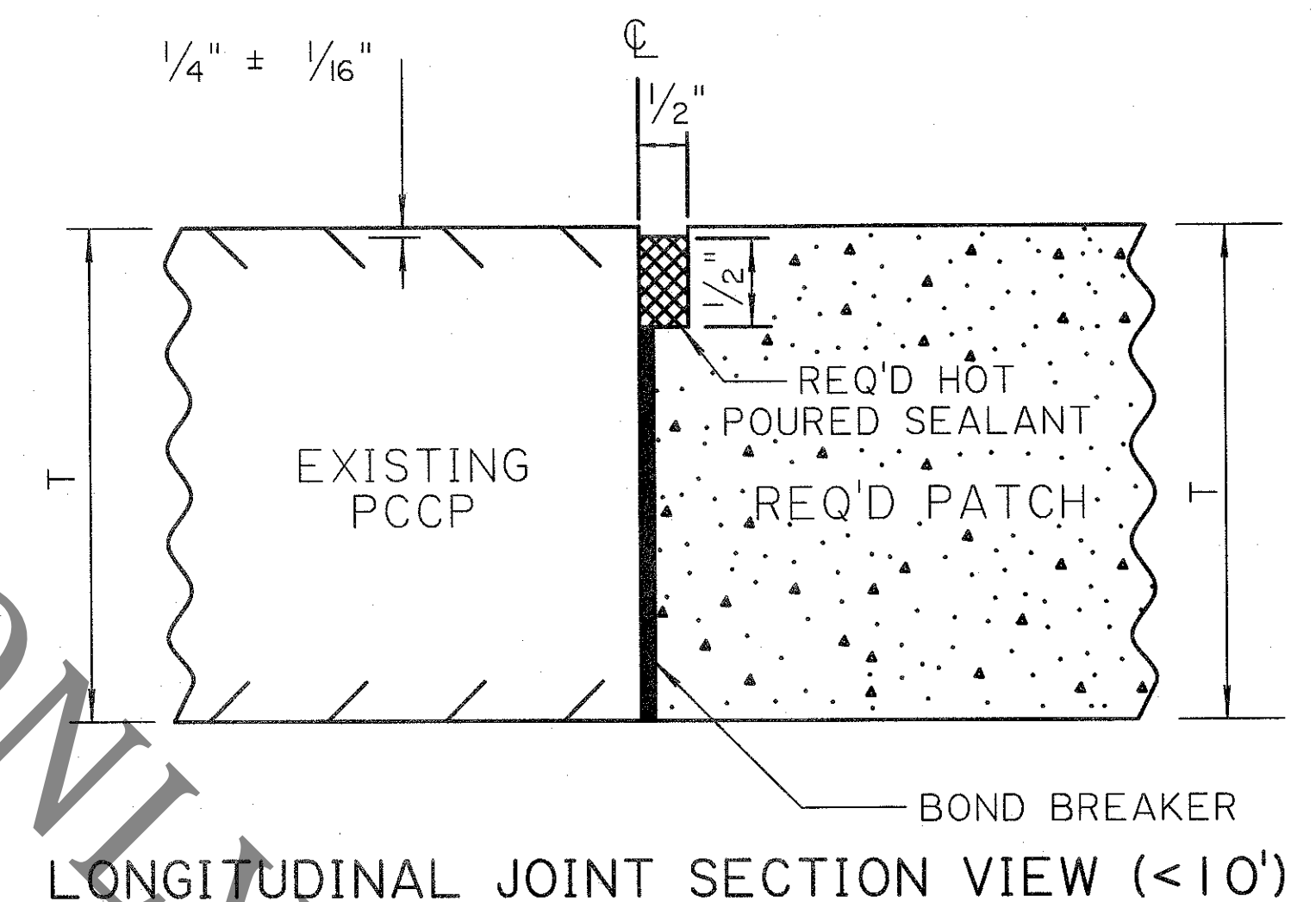
LEGEND

- ① FULL DEPTH SAW CUT.
- ② REQUIRED AND EXISTING JOINT.
- ③ REQUIRED JOINT.
- ④ REQUIRED CONSTRUCTION JOINT.

NOTES:

1. FOR ALL PATCHES <10 FEET IN LENGTH, PLACE A BOND BREAKER IN THE LONGITUDINAL JOINT OF THE ADJACENT SLAB(S).
2. FOR PATCHES >10 FEET IN LENGTH THAT DO NOT CONTAIN A TRANSVERSE JOINT WITHIN THE PATCH, PLACE TIE BARS IN THE ADJACENT SLAB(S) ALONG THE LONGITUDINAL JOINT.
3. FOR PATCHES >10 FEET IN LENGTH WHERE A TRANSVERSE JOINT IS LOCATED WITHIN THE PATCH, PLACE TIE BARS IN THE ADJACENT SLAB(S) IN THE LONGER PORTION ALONG THE LONGITUDINAL JOINT (WITH RESPECT TO THE EXISTING TRANSVERSE JOINT) AND PLACE A BOND BREAKER IN THE REMAINING SHORTER PORTION OF THE LONGITUDINAL JOINT. FOR THOSE CASES WHERE THE PATCH IS EVENLY SPACED ACROSS THE TRANSVERSE JOINT, PLACE TIE BARS ALONG THE LONGITUDINAL JOINT ON THE LEADING SIDE EDGE OF THE ADJACENT SLAB(S) WITH RESPECT TO TRAFFIC.
4. REMOVE AND REPLACE DETERIORATED BASE COURSE WITH CONCRETE WITHIN THE PATCHING LIMITS. A BOND BREAKER IS REQUIRED BETWEEN THE BASE AND PAVEMENT.
5. THE RECOMMENDED MAXIMUM LENGTH-TO-WIDTH RATIO FOR ALL PCCP PATCHES IS 1.5 (L) TO 1 (W) BETWEEN JOINTS.
6. FOR TRANSVERSE BUTT JOINTS, USE 1" DIAMETER (#8) DOWEL BAR FOR SLAB THICKNESS 8" TO 10" AND 1.25" DIAMETER (#10) DOWEL BAR FOR SLAB THICKNESS >10" SPACED AT 12" CENTER TO CENTER. USE 18" LENGTHS FOR ALL TRANSVERSE BUTT JOINT DOWEL BARS. DRILL HOLES FOR DOWEL BARS INTO THE MIDDLE OF THE VERTICAL FACE OF EXISTING PAVEMENT. DRILL HOLES NO LARGER THAN 1/8" LARGER THAN THE DIAMETER OF THE BAR USED. FILL IN ACCORDANCE WITH SECTION 601 BEFORE INSERTION OF THE DOWEL BARS.
7. CONFORM TO SECTION 601 & CP-01 FOR JOINTS AND BAR SIZES, MATCHING EXISTING JOINT TYPE AND BAR SPACING WHERE POSSIBLE.
8. COAT EXISTING TRANSVERSE VERTICAL FACES WITH NEAT CEMENT JUST PRIOR TO POURING PATCH.
9. SAW AND SEAL ALL JOINTS.
10. PAYMENT FOR ALL WORK PERFORMED IN THIS DETAIL UNDER ITEM: FULL DEPTH PATCHING OF JOINTED CONCRETE PAVEMENT.
11. ANY DAMAGE OR SAWCUTS INTO ADJACENT PANELS SHALL BE PATCHED, AS SHOWN ON THIS PATCHING DETAIL, AT NO DIRECT PAY.
12. DETAIL NOT TO SCALE.

PATCHING JOINTED PCCP



NOTES:

1. HOT POURED SEALANT SHALL CONFORM TO SECTION 602.05 OF THE STANDARD SPECIFICATIONS.
2. ALL WORK ON THIS DETAIL TO BE PAID FOR UNDER ITEM LABELED: FULL DEPTH PATCHING OF JOINTED CONCRETE PAVEMENT.
3. DETAIL NOT TO SCALE.