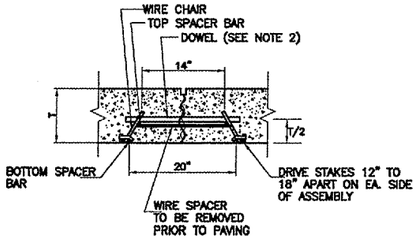


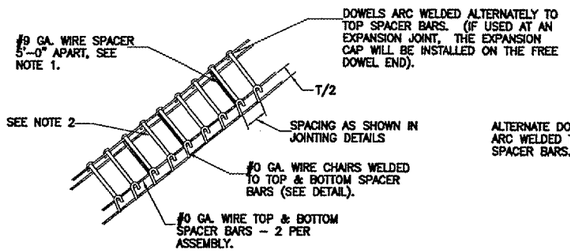

INSTALLATION DETAIL

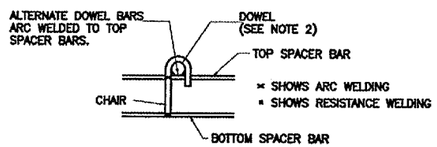
BASKET ASSEMBLY NOTES:

1.) #9 GA. WIRE SPACER BAR ARC WELDED TO THE BOTTOM OF TOP SPACER BAR. (MAY BE MECHANICALLY ATTACHED IN LIEU OF WELDING) 3 REQUIRED PER UNIT. THIS WIRE MUST BE CUT OR REMOVED PRIOR TO PAVING.

2.) DOWELS SHALL BE EPOXY COATED IN ACCORDANCE TO THE REQUIREMENTS OF AASHTO M254. IMMEDIATELY PRIOR TO PAVING, THE FREE END OF EACH DOWEL SHALL BE GREASED OR OILED, FOR HALF THE LENGTH OF THE DOWEL.

3.) ADJUST HEIGHT OF THE BASKET ASSEMBLIES (IN THE FIELD AT THE TIME OF CONSTRUCTION) SO THAT THE DOWELS ARE IN THE MIDDLE OF THE PROPOSED CONCRETE SLAB.

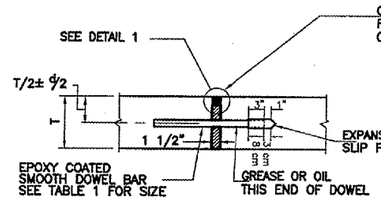



TYPICAL ELEVATION DETAIL SHOWING CHAIR

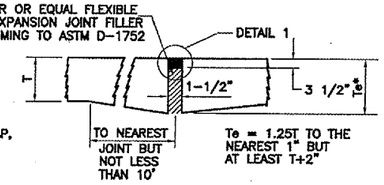
DOWEL BASKET ASSEMBLY DETAILS AND NOTES

* = IN LOCATIONS WHERE PROPOSED PAVEMENTS MEET EXISTING PAVEMENTS INCREASE DEPTH OF PROPOSED TO MATCH THE EXISTING PAVEMENT DEPTH.



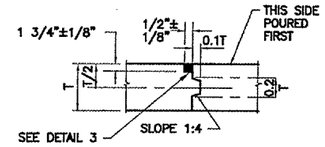

TYPE A – DOWELED EXPANSION

SYMBOL



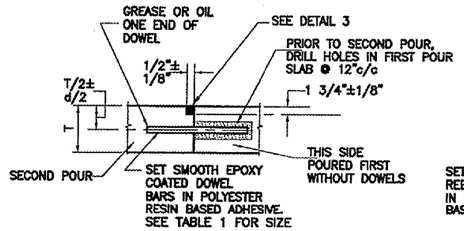

TYPE B – THICKENED EDGE EXPANSION

SYMBOL



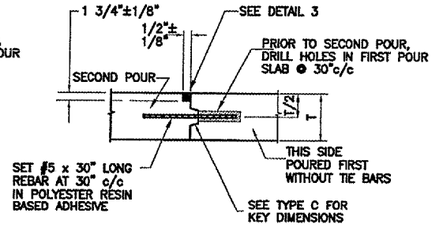

TYPE C – KEYED CONSTRUCTION

SYMBOL



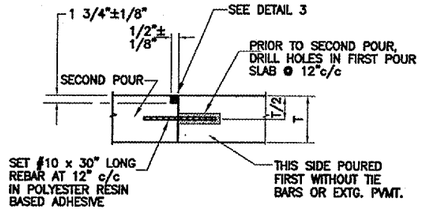

TYPE D – DOWELED CONSTRUCTION

SYMBOL




TYPE E – HINGED WITH KEY

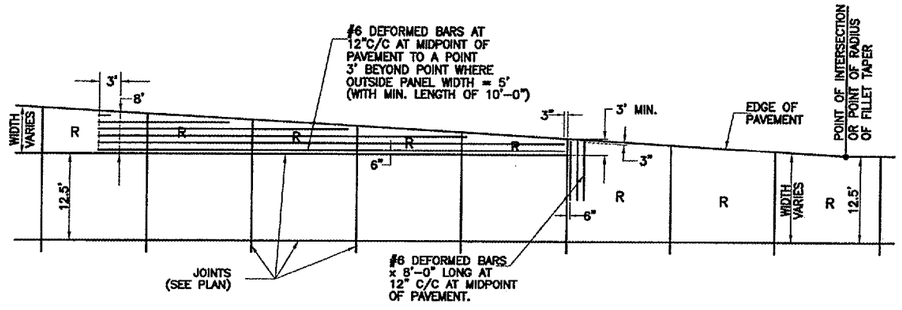
SYMBOL



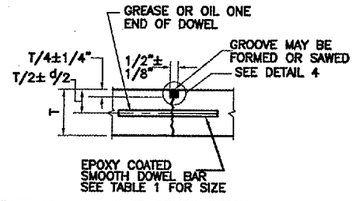

TYPE E-1 – HINGED WITHOUT KEY

SYMBOL

TYPE E-1 JOINT NOTE: THE TYPE E-1 JOINT SHALL BE A CONSTRUCTION BUTT JOINT WITH TIE BARS. THE TIE BARS WILL BE USED TO TRANSFER THE LOAD ACROSS THE JOINT.

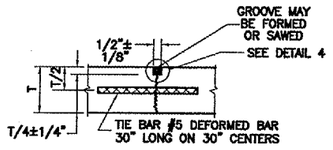



FILLET TAPER DETAIL



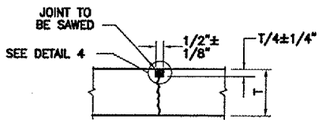

TYPE F – DOWELED CONTRACTION

SYMBOL



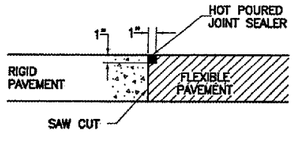

TYPE G – HINGED CONTRACTION

SYMBOL

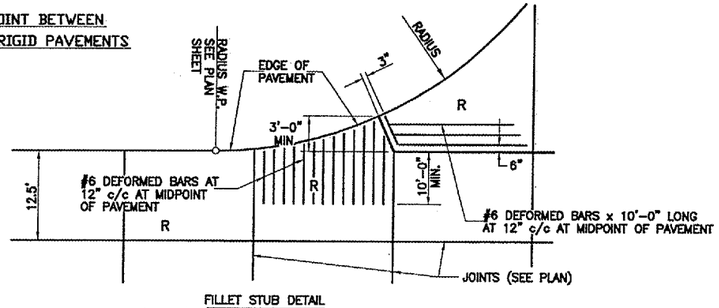



TYPE H – DUMMY CONTRACTION

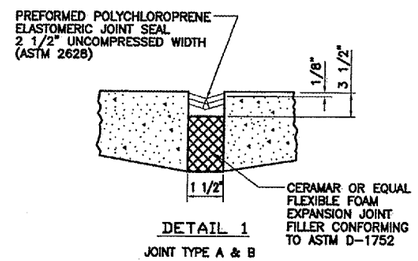
SYMBOL




DETAIL – JOINT BETWEEN FLEXIBLE AND RIGID PAVEMENTS

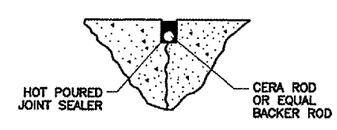



FILLET STUB DETAIL




DETAIL 1

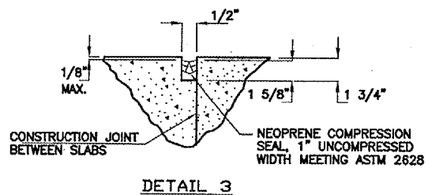
JOINT TYPE A & B




DETAIL 2

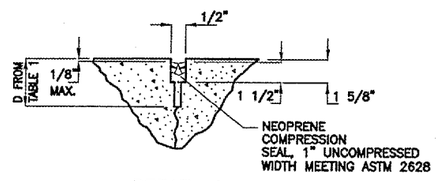
TABLE 1

| PAVEMENT THICKNESS T – INCHES | DEPTH OF CONTRACTION JOINT INITIAL SAW CUT D, INCHES D=(T/4)±1/4" | STEEL DOWELS | | |
|---|---|---|---|---|
| | | DIAMETER (INCHES) | LENGTH (INCHES) | SPACING (INCHES) |
| 8 | 2.00 | 1.00 | 19 | 12 |
| 9 | 2.25 | 1.00 | 19 | 12 |
| 10 | 2.50 | 1.00 | 19 | 12 |
| 12 | 3.00 | 1.00 | 19 | 12 |
| 15 | 3.75 | 1.25 | 20 | 15 |
| 17 | 4.25 | 1.50 | 20 | 18 |



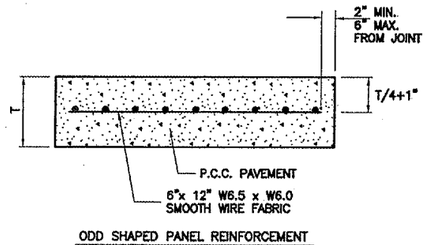

DETAIL 3

JOINT TYPES C, D, AND E




DETAIL 4

JOINT TYPES F, G, AND H




ODD SHAPED PANEL REINFORCEMENT

SYMBOL R

G:\Airport\A06T025 R5 EXTN, PVMT\JOINTS1.dwg, 5/9/2007 9:16:06 AM, sfm