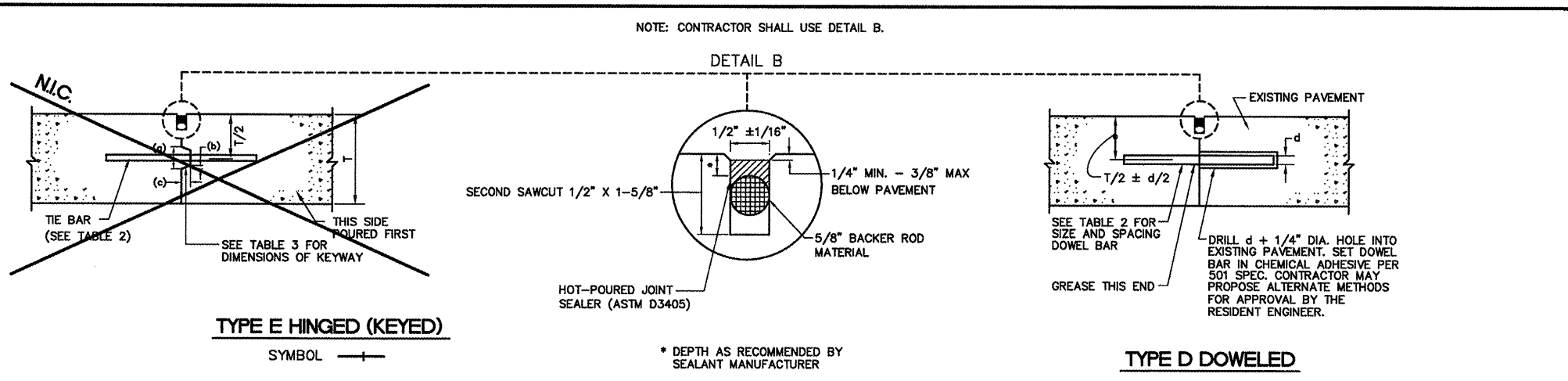
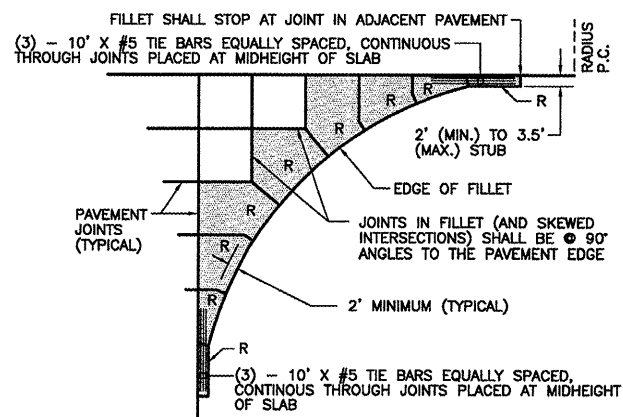


CONTRACTION JOINTS

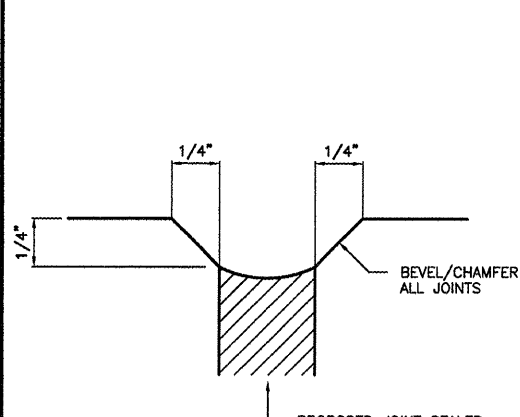


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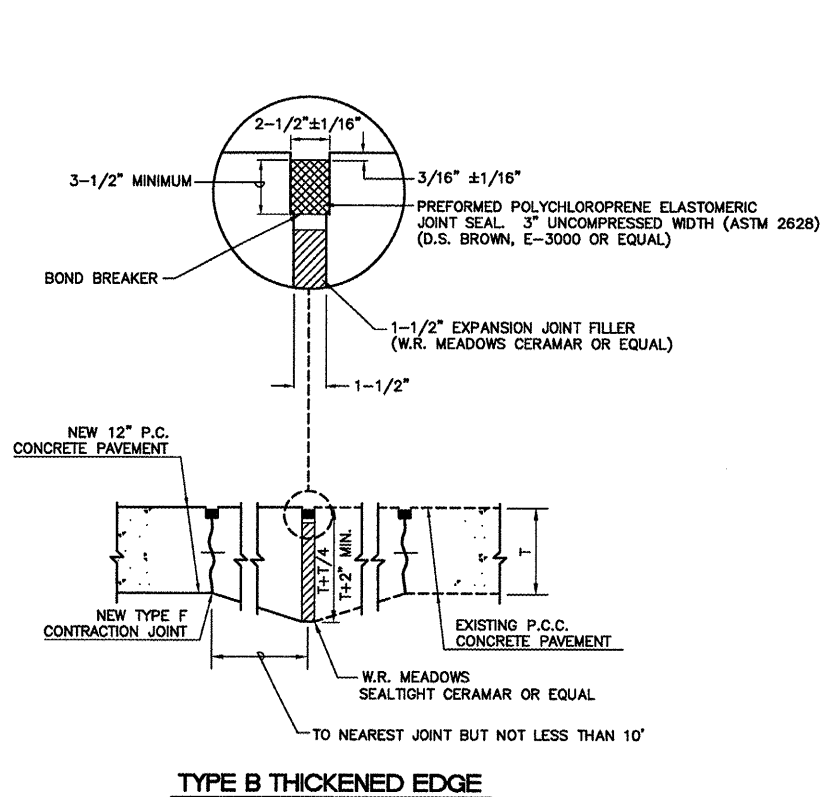


FILLET DETAIL AND FILLET REINFORCING LAYOUT
N.T.S.

R DENOTES ODD SHAPED REINFORCED PANELS TO BE REINFORCED WITH DEFORMED WIRE FABRIC AS SHOWN ON THIS SHEET. ALL NON RECTANGULAR SHAPED PANELS SHALL BE REINFORCED. (REINFORCEMENT NOT SHOWN)



CHAMFER/BEVEL JOINT DETAIL
N.T.S.



TYPE B THICKENED EDGE

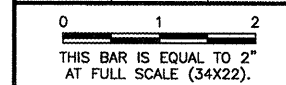
SYMBOL [Symbol]

EXPANSION JOINTS

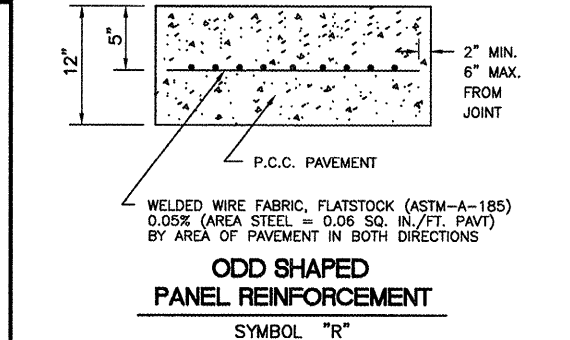
- JOINT NOTES DU071**
- ALL EDGES OF NEW SLABS, FREE STANDING OR CLOSURE, SHALL BE EDGED WITH AN APPROVED TOOL HAVING A RADIUS OF 1/8" TO 1/4" TO FACILITATE SAWING OF THE SEALANT RESERVOIR. A RADIUS > 1/4" WILL NOT BE ACCEPTABLE.
 - THE INITIAL SAWCUT FOR ALL LONGITUDINAL AND TRANSVERSE CONTRACTION JOINTS SHALL BE SAWS AS SOON AS POSSIBLE AFTER PLACEMENT OF THE PAVEMENT. SAWING OF LONGITUDINAL CONTRACTION JOINTS ADJACENT TO THE THICKENED EDGES SHALL BE GIVEN PRIORITY OVER OTHER LONGITUDINAL JOINT SAWING.
 - ALL DOWEL BARS SHALL BE SECURELY HELD IN PLACE BY MEANS OF A DOWEL BAR ASSEMBLY OR MECHANICALLY INSTALL PER ARTICLE 422.10 JOINTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," WHICH WILL INSURE THAT THEY WILL REMAIN PARALLEL TO THE PAVEMENT LANES. THE DOWEL BAR ASSEMBLY OR MECHANICAL METHOD SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
 - ALL TIE BARS AND MESH SHALL BE SECURELY HELD IN PLACE BY SUPPORT PINS OR PLACED BY OTHER APPROVED METHODS TO PREVENT SHIFTING DURING AND AFTER CONCRETE PLACEMENT.
 - TIE BARS SHALL BE DEFORMED BARS IN CONFORMANCE WITH ASTM A615 OR ASTM A616, EXCEPT THAT RAIL STEEL BARS, GRADE 50 OR 60 SHALL NOT BE USED FOR THE BARS THAT ARE TO BE BENT OR RESTRAIGHTENED DURING CONSTRUCTION. TIE BARS DESIGNATED AS GRADE 40 IN ASTM A615 CAN BE USED FOR CONSTRUCTION REGARDING BENT BARS.
 - THE INITIAL SAWCUT SHALL BE MADE TO THE 1/8" WIDTH INDICATED. INITIAL SAWING TO THE DIMENSION OF THE SECOND SAWCUT WILL NOT BE ALLOWED.
 - JOINTS SHALL BE DRY AND CLEAN BEFORE SEALING OPERATIONS BEGIN.
 - COST OF ALL JOINT SAWING, CLEANING AND SEALING OF NEW CONCRETE PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATED PAY ITEM AND NO SEPARATE PAYMENT SHALL BE MADE.
 - SHOULD THE POURING OPERATIONS REQUIRE THE INSERTION OF AN INTERMEDIATE HEADER, A DOWEL BASKET ASSEMBLY OR OTHER APPROVED METHOD OF DOWEL BAR PLACEMENT SHALL BE REQUIRED.
 - DOWEL BASKET ASSEMBLIES MEETING IDOT APPROVAL MAY BE PROPOSED BY THE CONTRACTOR TO BE APPROVED BY THE ENGINEER. DOWELS IN THE APPROVED BASKET ASSEMBLIES SHALL CONFORM TO TABLE 2.
 - CONTRACTOR SHALL CONSTRUCT A 1/4" CHAMFER ON ALL CONCRETE JOINTS AT NO ADDITIONAL COST.
 - WHEN TIE BARS ARE USED FOR SLIP-FORM LONGITUDINAL CONTRACTION JOINTS, ONE END OF THE TIE BAR SHALL BE BENT AND INSERTED INTO THE KEYWAY OF THE JOINT. THE BENT BARS SHALL BE STRAIGHTENED TO RIGHT ANGLES WITH LONGITUDINAL JOINT AND SHALL EXTEND INTO THE ADJACENT LANE PARALLEL TO THE PAVEMENT SURFACE.
 - METAL FORMS USED FOR KEYED JOINTS SHALL BE REMOVED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
 - FROM CENTERLINE ALL LONGITUDINAL JOINTS TO BE HOT-POUR JOINT SEAL AND TRANSVERSE JOINTS TO BE PREFORMED JOINT SEAL PER THESE DETAILS.

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UPDATE BY: jlinke
SURVEY BOOK #
DATE: Fri 1/23/09 9:32am
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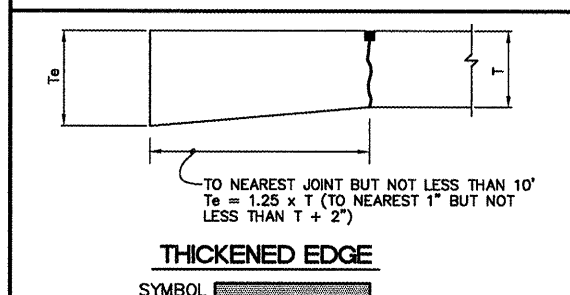
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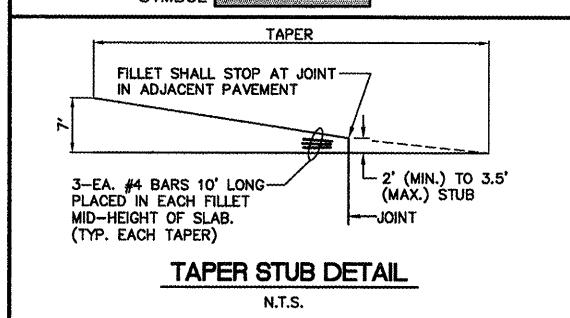
DUPAGE AIRPORT
WEST CHICAGO, ILLINOIS
SOUTH FLIGHT CENTER APRON - PHASE 4
PAVEMENT JOINTING DETAILS



ODD SHAPED PANEL REINFORCEMENT
SYMBOL "R"



THICKENED EDGE
SYMBOL [Symbol]



TAPER STUB DETAIL
N.T.S.

TABLE 1

PAVEMENT THICKNESS T - INCHES	DEPTH OF CONTRACTION JOINT INITIAL SAW CUT T, INCHES T=(T/4) ±1/4"
6	1.50"
7	1.75"
8	2.00"
9	2.25"
10	2.50"
11	2.75"
12	3.00"

TABLE 2

PAVEMENT THICKNESS T - INCHES	DOWEL BAR DETAILS			TIE BAR DETAILS		
	DIA. (d)	LENGTH	SPACING	BAR SIZE	LENGTH	SPACING
6	3/4"	18"	12"	#5	30"	30"
7	3/4"	18"	12"	#5	30"	30"
8	1"	19"	12"	#5	30"	30"
9	1"	19"	12"	#5	30"	30"
10	1"	19"	12"	#5	30"	30"
11	1"	19"	12"	#5	30"	30"
12	1"	19"	12"	#5	30"	30"

DIMENSION TABLES

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DDM
 DuPage Airport

DESIGN BY: CAL/JRL
 DRAWN BY: JRO
 CHECKED BY: MJS / DKP
 APPROVED BY: MJS
 DATE: 01/30/09
 JOB No: 04257-04-00-00
 A.I.P. PROJECT: 3-17-0017-B18
 ILLINOIS PROJECT: DPA-3391
 SHEET 19 OF 31 SHEETS