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					LUADS AND MOVEMENT						
	NUMBER OF BEARINGS	BEARING	MAS	ONRY PLATE		SOLE PLATE	UNFACTORED	VERTICAL	LOAD (KIPS)	FACTORED	ONE-WAY
TION		H A		В	С	TOP SLOPE	DEAD		LIVE	HORIZONTAL	MOVEMENT
		(IN.)	(IN.)	(IN.)	(IN.)	(*/_)	DC	DW	LL+IM	LOAD (KIPS)	(IN.)
31	4	51/2″	25 ¹ /2″	25 ¹ /2″	3/4″	0.60	150	14	125	57	1 ¹¹ / ₁₆ ″
1	4	71/4″	30″	30″	1 ′′	0.60	560	50	260	185	0″
32	4	5 ¹ /2″	25 ¹ /2″	25 ¹ /2″	3/4″	0.60	155	14	120	58	111/16″
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	NOTES
	FOR DISC BEARINGS, SEE SPECIAL PROVISIONS.
	ALL BEARING PLATES SHALL BE AASHTO M270 GRADE 50W OR GRADE 50.
	AT ALL POINTS OF SUPPORT, NUTS FOR ANCHOR BOLTS SHALL BE FINGER-TIGHTENED PLUS AN ADDITIONAL 1/4 TURN.THE THREAD OF THE NUT AND BOLT SHALL THEN BE BURRED WITH A SHARP POINTED TOOL.
FOR , OR	WHEN WELDING THE SOLE PLATE TO THE GIRDER,USE TEMPERATURE INDICATING WAX PENS,OR OTHER SUITABLE MEANS,TO ENSURE THAT THE TEMPERATURE OF THE BEARING DOES NOT EXCEED 250°F. TEMPERATURES ABOVE THIS MAY DAMAGE THE TFE OR URETHANE DISC.
FOR	AFTER BEARING ASSEMBLY IS IN PLACE AND ANCHOR BOLTS HAVE BEEN FINALLY POSITIONED, THEY SHALL BE GROUTED IN PLACE AS SHOWN.
	THE CLOSURE PLATE,GROUT PIPE,AND STANDARD PIPE FOR THIS ASSEMBLY NEED NOT BE GALVANIZED.
	SOLE PLATES SHOULD BE WELDED TO GIRDER FLANGES AND ANCHOR BOLTS SHOULD BE GROUTED BEFORE FALSEWORK IS PLACED.
NED 1 A T	ALL SURFACES OF BEARING PLATES SHALL BE SMOOTH AND STRAIGHT.
ANGE	FOR ATTACHMENT OF THE STAINLESS STEEL SHEETS TO THE STEEL SOLE PLATE AND GUIDE BARS, AS WELL AS THE TOP AND SIDE PTFE SHEETS TO THE STEEL UPPER BEARING PLATE, SEE SPECIAL PROVISIONS.
	FOR THERMAL SPRAYED COATINGS (METALLIZATION), SEE SPECIAL PROVISIONS.
	THE MINIMUM ROTATIONAL CAPACITY FOR ALL BEARINGS SHALL BE 0.02 RADIANS.
	STAINLESS STEEL SHEET
	TOP PTFE $\frac{G}{45}$
	STEEL UPPER BEARING PLATE
	BAR

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DETAIL ``B''

└─ STAINLESS

STEEL SHEET

SIDE PTFE —

∠ 4″Ø STD. PIPE

SION Ing Ai	CHORD NGLES
ND BENT #1	END BENT #2
12°-21′-40″	43°-59′-12″
2°-32′-35″	44°-09'-19"
2°-43′-25″	44°-19′-21″
2°-54′-08″	44°-29′-18″

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LEON BO

10/14/2021

PROJECT NO. <u>U-25</u>	579AB
FORSYTH	COUNTY
STATION: 22+26.35	5 - Y1B-

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

STANDARD

DISC	BEARING
DE	TAILS

RS&H		DETAILS						
RS&H Architects-Engineers-Planners, Inc.		REVISIONS					SHEET NO.	
8521 Six Forks Road, Suite 400	NO.	BY:	DATE:	NO.	BY:	DATE:	S1-19	
919-926-4100 FAX 919-846-9080	1			3			TOTAL SHEETS	
www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28	2			4			47	
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STD. NO. DB1