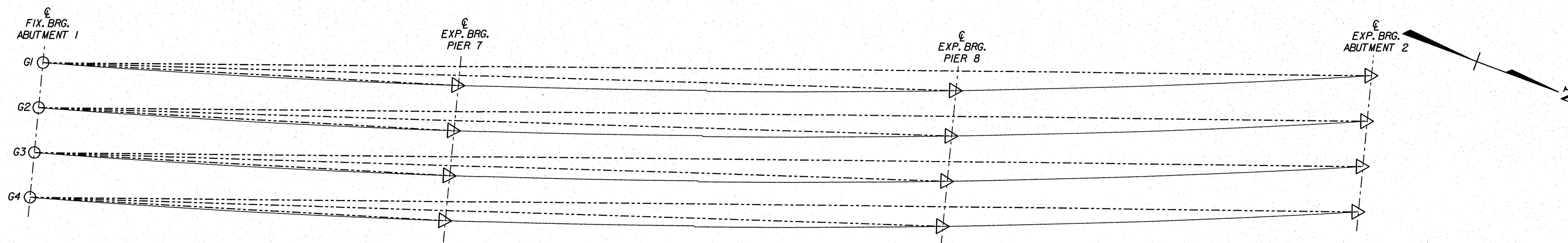


NOTES:

- REFER TO SHEET BR30J FOR BEARING NOTES.
- "M" AND "N" ARE PROVIDED TO ASSIST THE CONTRACTOR IN SETTING THE SOLE PLATE. "M" IS THE DISTANCE FROM THE CENTERLINE OF BEARINGS TO THE FRONT EDGE OF THE SOLE PLATE WITH BEAM AND DIAPHRAGM LOADS ON THE BEARINGS. "N" IS THE DISTANCE FROM THE CENTERLINE OF BEARINGS TO THE FRONT EDGE OF THE SOLE PLATE WITH ALL DEAD AND SUPERIMPOSED DEAD LOADS ON THE BEARINGS. THE VALUES FOR "M" AND "N" ARE BASED ON THE THEORETICAL CAMBER VALUES SHOWN ON THE PLANS. IF THE CAMBER OF THE BEAMS ARE DIFFERENT THAN THE THEORETICAL VALUES, DIFFERENT "M" AND "N" VALUES MAY BE NEEDED



RAMP A
RAMP A SHOWN, RAMP D IS SIMILAR
BEARING ORIENTATION
NOT TO SCALE

RAMP A - SOLE PLATE SETTING TABLE								
PIER 7	GIRDER 1		GIRDER 2		GIRDER 3		GIRDER 4	
TEMPERATURE	"M"	"N"	"M"	"N"	"M"	"N"	"M"	"N"
-30° C	364	351	364	351	364	351	363	351
-20° C	359	346	359	346	358	346	358	346
-10° C	354	341	353	341	353	341	353	341
0° C	348	336	348	336	348	336	347	336
10° C	343	330	343	330	343	330	342	330
20° C	338	325	338	325	337	325	337	325
30° C	333	320	332	320	332	320	332	320
40° C	327	314	327	314	327	314	326	314
PIER 8	GIRDER 1		GIRDER 2		GIRDER 3		GIRDER 4	
TEMPERATURE	"M"	"N"	"M"	"N"	"M"	"N"	"M"	"N"
-30° C	453	433	453	433	452	433	451	433
-20° C	442	421	441	421	440	421	439	421
-10° C	430	410	429	410	429	410	428	410
0° C	418	398	418	398	417	398	416	398
10° C	407	387	406	387	405	387	405	387
20° C	395	375	395	375	394	375	393	375
30° C	384	363	383	363	382	363	382	363
40° C	372	352	371	352	371	352	370	352

RAMP D - SOLE PLATE SETTING TABLE								
PIER 1	GIRDER 1		GIRDER 2		GIRDER 3		GIRDER 4	
TEMPERATURE	"M"	"N"	"M"	"N"	"M"	"N"	"M"	"N"
-30° C	365	351	365	351	365	351	365	351
-20° C	360	346	360	346	360	346	359	346
-10° C	355	341	355	341	354	341	354	341
0° C	349	336	349	336	349	336	349	336
10° C	344	330	344	330	344	330	344	330
20° C	339	325	339	325	338	325	338	325
30° C	334	320	333	320	333	320	333	320
40° C	328	314	328	314	328	314	328	314
PIER 2	GIRDER 1		GIRDER 2		GIRDER 3		GIRDER 4	
TEMPERATURE	"M"	"N"	"M"	"N"	"M"	"N"	"M"	"N"
-30° C	456	433	455	433	454	433	454	433
-20° C	444	422	443	422	443	422	442	422
-10° C	432	410	432	410	431	410	431	410
0° C	421	398	420	398	420	398	419	398
10° C	409	387	409	387	408	387	407	387
20° C	397	375	397	375	396	375	396	375
30° C	386	363	385	363	385	363	384	363
40° C	374	352	374	352	373	352	372	352

LEGEND	
○	FIXED
▷	GUIDED EXPANSION
---	ASSUMED DIRECTION OF EXPANSION

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of	BENNINGTON	Bridge No.	B15, B15N, B15S
Highway No.	VT RTE 279	Log Sta.	
		Surv. Sta.	
VT ROUTE 279 & RAMPS OVER ROARING BRANCH OF WALLOOMSAC RIVER			
BEARING ALIGNMENT DIAGRAMS			
Designed By	A.ODIEN	Drawn By	D.W. SHAFFER
Checked By	B.J. CARLSON	Date	06/08
		Bridge Design Supervisor	K.M. WOJTKOWSKI
		Date	06/08
PROJECT	BENNINGTON	PROJECT NO.	AC NH 019-1(51)
TVGA CAD Drawing No.	ExpBrg3.dgn	Date	02/02/2009
Bridge Sheet No.	BR304	Sheet	291 of 367

