

01 HANGER ELEVATION
 $\frac{1}{16}'' = 1'-0''$

TABLE OF ESTIMATED QUANTITIES		
	NO. OF HANGERS	TOTAL L.F. OF HANGERS
PER ARCH	13	297
PER ARCH	13	297

NOTE TO HANGER MANUFACTURER:

1. LENGTH OF HANGER ASSEMBLY IS THE DISTANCE FROM CENTER OF PIN TO BOTTOM OF CONCRETE BEAM.
2. HANGER ASSEMBLY LENGTH IS BASED ON NO LOAD CONDITION OF ARCH RIB AND CONCRETE BEAM.
3. HANGER MANUFACTURER SHALL DETERMINE THE ACTUAL FABRICATION LENGTH TO ACCOUNT FOR ARCH RIB DEFLECTION, CONCRETE BEAM DEFLECTION AFTER SHORING REMOVAL AND HANGER ELONGATION.
4. HANGER MANUFACTURER SHALL SUBMIT THE HANGER ASSEMBLY FABRICATION DETAIL AND LENGTH FOR APPROVAL.
5. REFER TO SB217 FOR ARCH RIB AND BRIDGE DECK DEFLECTION.

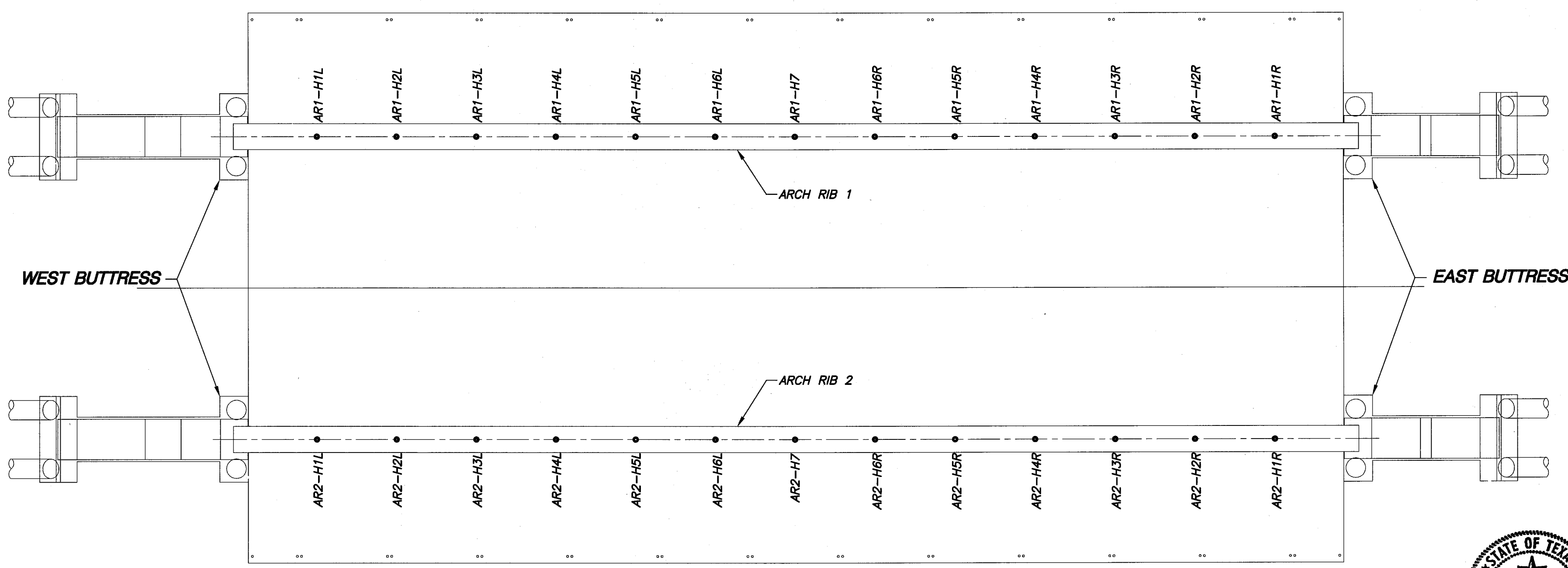
HANGER STRESSING SEQUENCE				
SEQUENCE NUMBER	HANGER MARK	STAGE 1	STAGE 2	FINAL FORCE
1	AR1-H1L, AR2-H1L AR1-H1R, AR2-H1R	-	40K	65K
2	AR1-H2L, AR2-H2L AR1-H2R, AR2-H2R	25K	60K	85K
3	AR1-H3L, AR2-H3L AR1-H3R, AR2-H3R	55K	70K	91K
4	AR1-H4L, AR2-H4L AR1-H4R, AR2-H4R	75K	75K	91K
5	AR1-H5L, AR2-H5L AR1-H5R, AR2-H5R	75K	70K	85K
6	AR1-H6L, AR2-H6L AR1-H6R, AR2-H6R	60K	60K	75K
7	AR1-H7, AR2-H7	45K	50K	70K

**** NOTE ****
 -FORCES SHOWN IN THIS TABLE REPRESENT THE TOTAL FORCE AND ARE NOT CUMULATIVE.

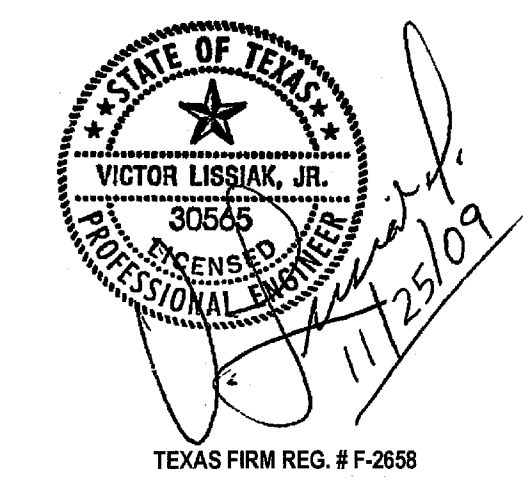
-MATCHING PANEL POINT TENSIONS OF ARCH RIB 1 AND ARCH RIB 2 SHALL BE A MAXIMUM OF $\pm 10\%$

STRESSING PROCEDURE:

1. BRIDGE DECK SHORING MUST REMAIN IN PLACE DURING STRESSING STAGES 1 & 2.
2. HANGERS MUST BE STRESSED SIMULTANEOUSLY AS SHOWN IN THE HANGER STRESSING SEQUENCE TABLE I.E., HANGERS MARKED AR1-H1L, AR2-H1L, AR1-H1R, AND AR2-H1R SHALL ALL FOUR BE STRESSED AT THE SAME TIME.
3. THE E.O.R. MUST BE NOTIFIED OF THE ACTUAL HANGER FORCE IN EACH HANGER AFTER COMPLETION OF STAGE 1 STRESSING BEFORE COMMENCING STAGE 2 STRESSING.
4. THE E.O.R. MUST BE NOTIFIED OF THE ACTUAL HANGER FORCE IN EACH HANGER AFTER COMPLETION OF STAGE 2 STRESSING BEFORE REMOVING SHORES.
5. AFTER E.O.R. GRANTS PERMISSION TO REMOVE SHORES, HANGERS MUST BE ADJUSTED TO ACHIEVE FINAL FORCES TABULATED ON SB212. FINAL FORCES IN EACH HANGER SHALL BE REPORTED TO E.O.R. FOR FINAL APPROVAL.
6. HANGER MANUFACTURER SHALL SUBMIT HANGER STRESSING EQUIPMENT FOR REVIEW AND APPROVAL.



02 HANGER PLAN
 N.T.S.



PRELIMINARY-FOR REVIEW ONLY		01/25/09	
NO.	REVISION	BY	DATE
TOWN OF ADDISON DALLAS COUNTY, TEXAS VITRUVIAN PARK BRIDGES PONTE AVE ARCH RIB HANGER ELEVATION & HANGER STRESSING PLAN VIEWTECH, INC. 4205 Beltway Dr. - Addison, Texas 75001 Structural Engineers (972) 661-8187 Fax (972) 661-8172			
PROJECT	DESIGN	DATE	SHEET
2007.144	VL	NOV. 25 2009	SB212