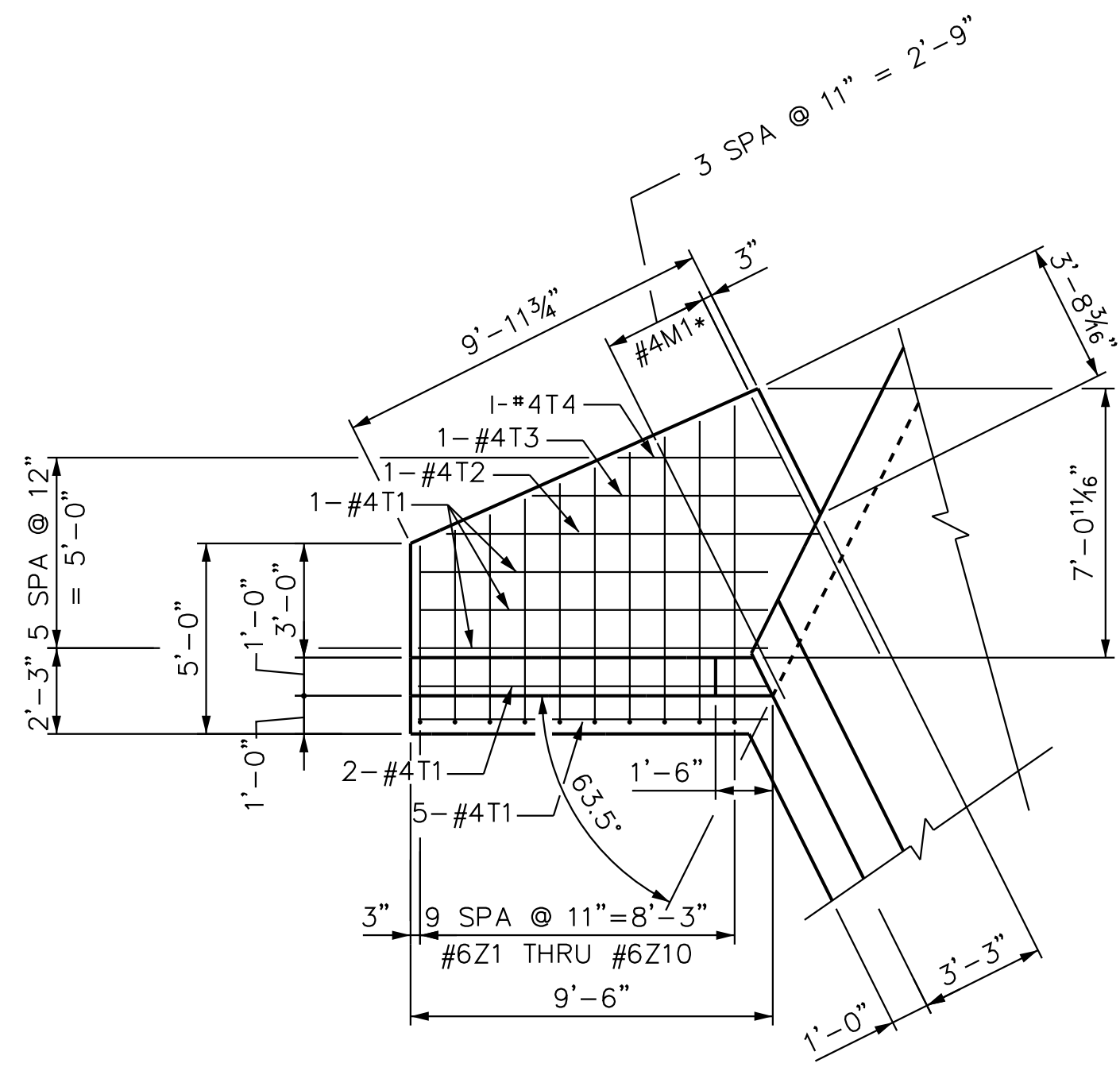
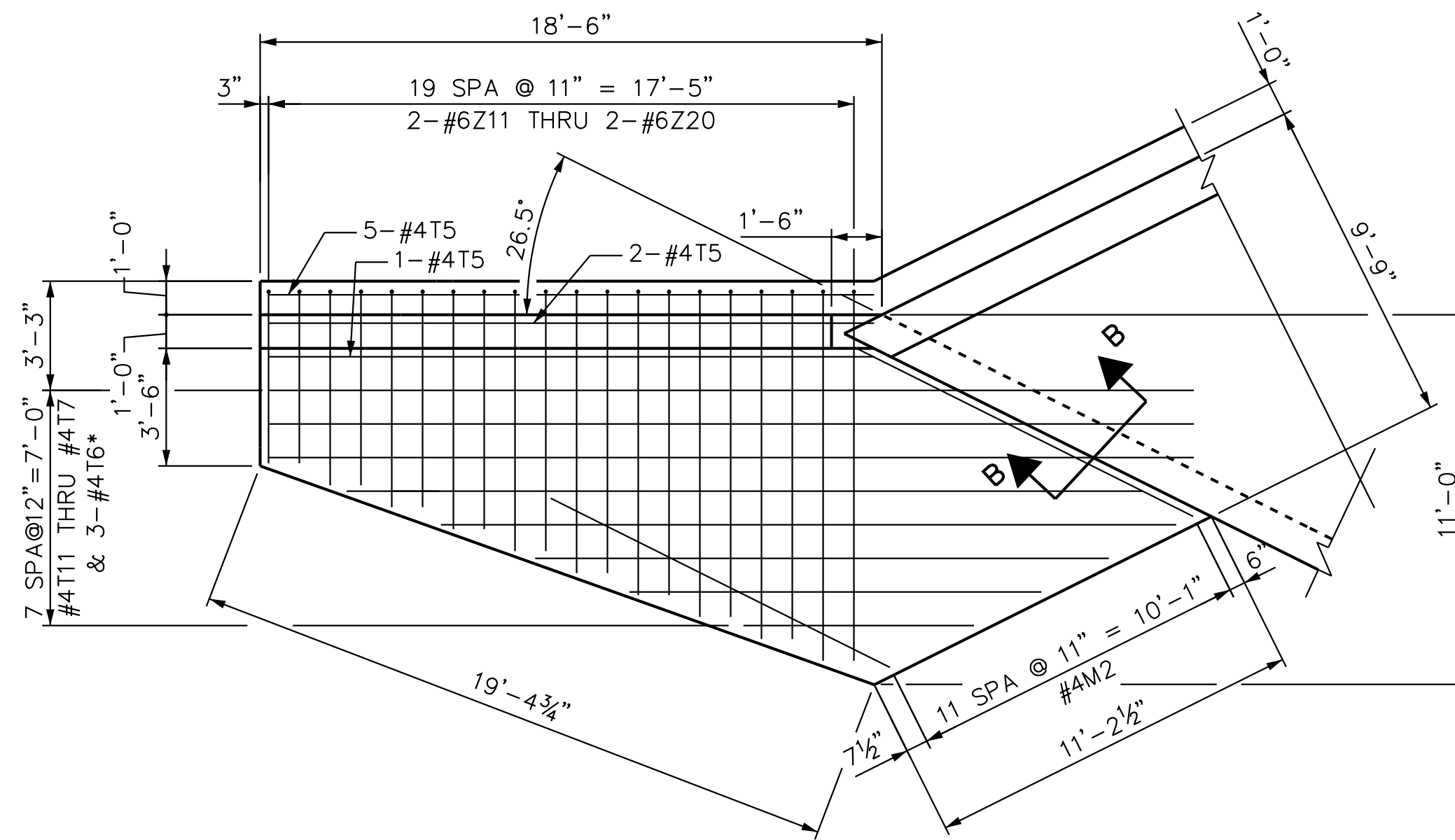


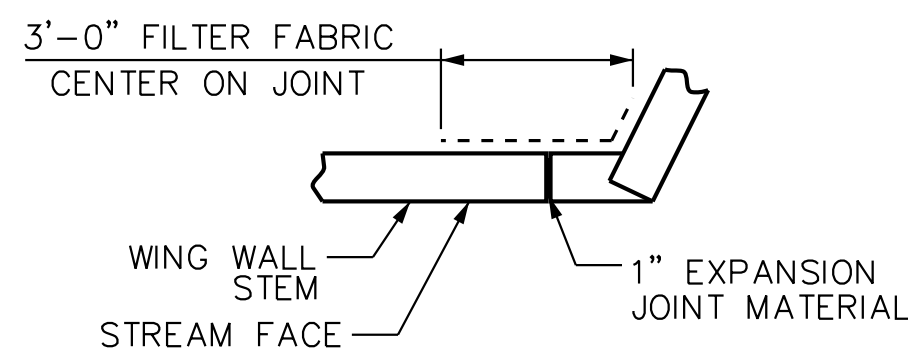
* - MIAND T6 BARS SHALL BE PLACED ABOVE THE BOTTOM REINFORCING MAT OF CULVERT FLOOR SLAB



PLAN (W1)

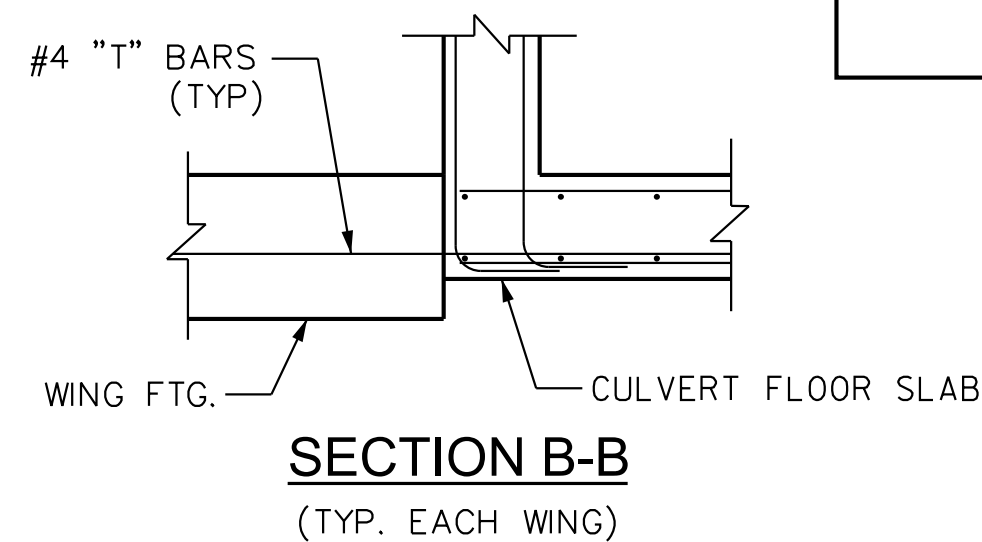


PLAN (W2)



EXPANSION JOINT DETAIL

WING (W1) SHOWN, WING (W2) SIMILAR



SECTION B-B

(TYP. EACH WING)

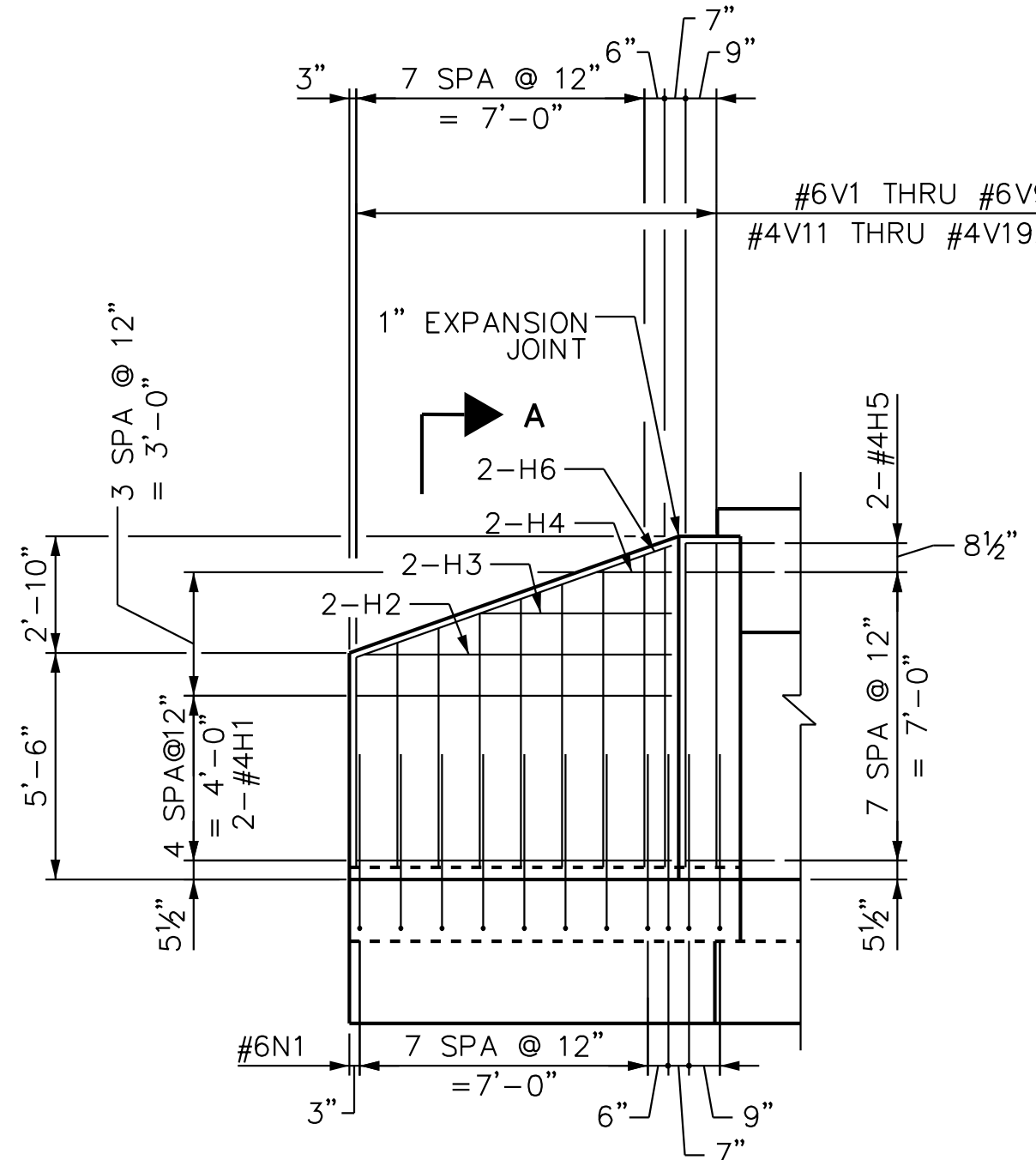
BAR TYPES	
Z20	11'-0"
Z19	10'-4"
Z18	9'-8"
Z17	9'-1"
Z16	8'-5"
Z15	7'-9"
Z14	7'-1"
Z13	6'-5"
Z12	5'-9"
Z11	5'-2"
Z10	8'-4"
Z9	7'-11"
Z8	7'-6"
Z7	7'-1"
Z6	6'-8"
Z5	6'-3"
Z4	5'-11"
Z3	5'-6"
Z2	5'-1"
Z1	4'-8"

WINGS W1 AND W2 BILL OF MATERIAL						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
H1	10	4	STR	7'-8"	51	
H2	2	4	STR	7'-5"	10	
H3	2	4	STR	4'-7"	6	
H4	2	4	STR	1'-10"	2	
H5	18	4	3	2'-6"	30	
H6	2	4	STR	8'-1"	11	
H7	10	4	STR	16'-8"	111	
H8	2	4	STR	16'-1"	21	
H9	2	4	STR	10'-1"	13	
H10	2	4	STR	4'-1"	5	
H11	2	4	STR	16'-10"	22	
H12	18	4	3	2'-6"	30	
M1	4	4	STR	7'-6"	20	
M2	12	4	STR	11'-3"	90	
N1	31	6	1	5'-6"	256	
T1	10	4	STR	9'-2"	61	
T2	1	4	STR	9'-9"	7	
T3	1	4	STR	7'-0"	5	
T4	1	4	STR	4'-3"	3	
T5	8	4	STR	18'-0"	96	
T6	3	4	STR	27'-6"	55	
T7	1	4	STR	23'-8"	16	
T8	1	4	STR	21'-10"	15	
T9	1	4	STR	17'-0"	11	
T10	1	4	STR	12'-3"	8	
T11	1	4	STR	6'-10"	5	
VI	1EA	6	STR	5'-1"		
THRU	OF					
V9	9	6	STR	7'-9"	87	
V10	2	6	STR	7'-10"	24	
VII	1EA	4	STR	5'-1"		
THRU	OF					
V19	9	4	STR	7'-9"	39	
V20	2	4	STR	7'-10"	10	
V21	2	EA	6	STR	5'-0"	
THRU	OF					
V29	18	6	STR	7'-8"	171	
V30	2	6	STR	7'-10"	24	
V31	2	EA	4	STR	5'-0"	
THRU	OF					
V39	18	4	STR	7'-8"	76	
V40	2	4	STR	7'-10"	10	
Z1	1EA	6	2	8'-2"		
THRU	OF					
Z10	10	6	2	11'-10"	150	
Z11	2	EA	6	2	8'-8"	
THRU	OF					
Z20	20	6	2	14'-6"	348	
REINFORCING STEEL					-LBS-	1901

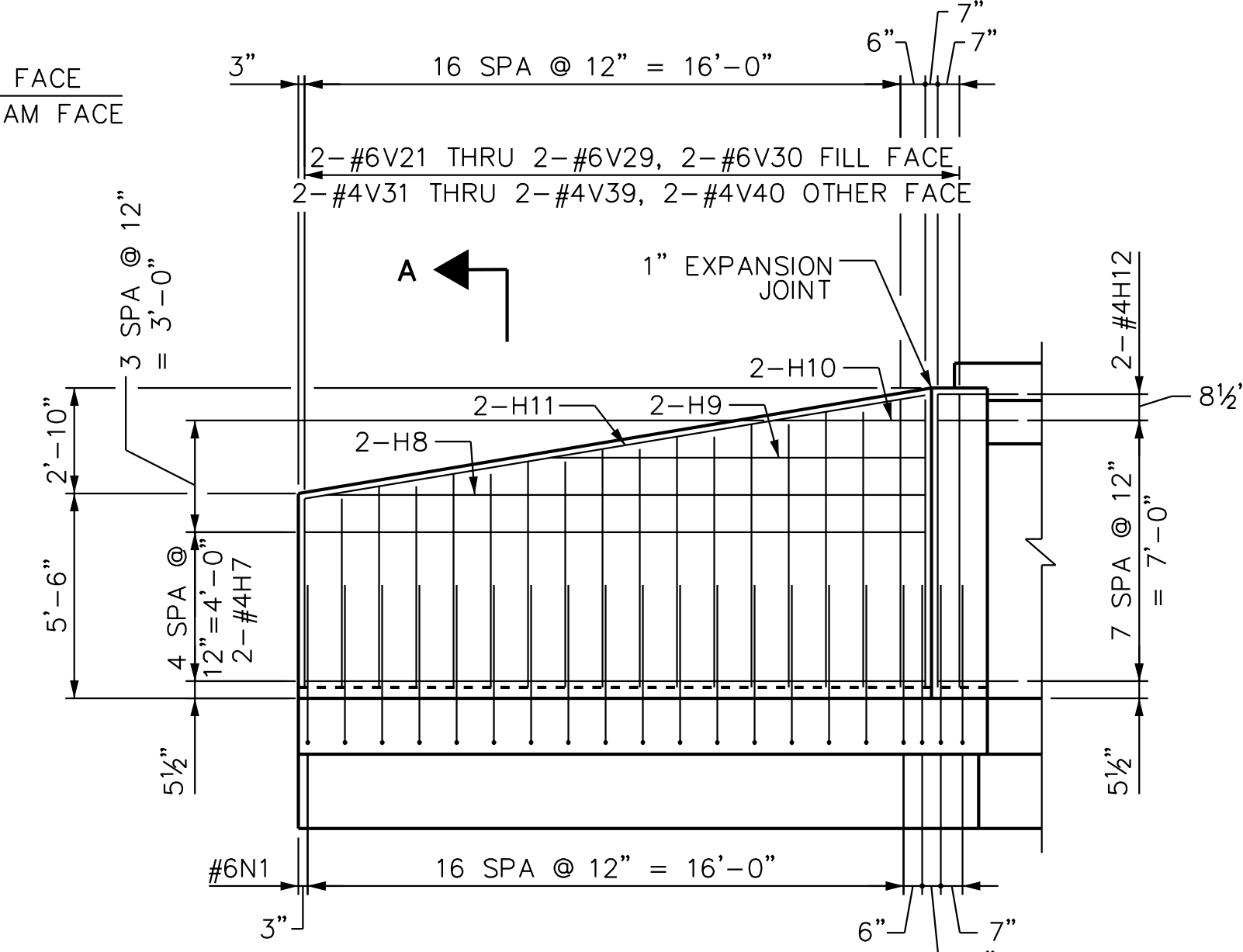
ALL BAR DIMENSIONS ARE OUT TO OUT

NOTES
SEE SHEET S1 FOR LOCATION AND NOTES.
FOR WING ORIENTATION SEE SHEET S3.

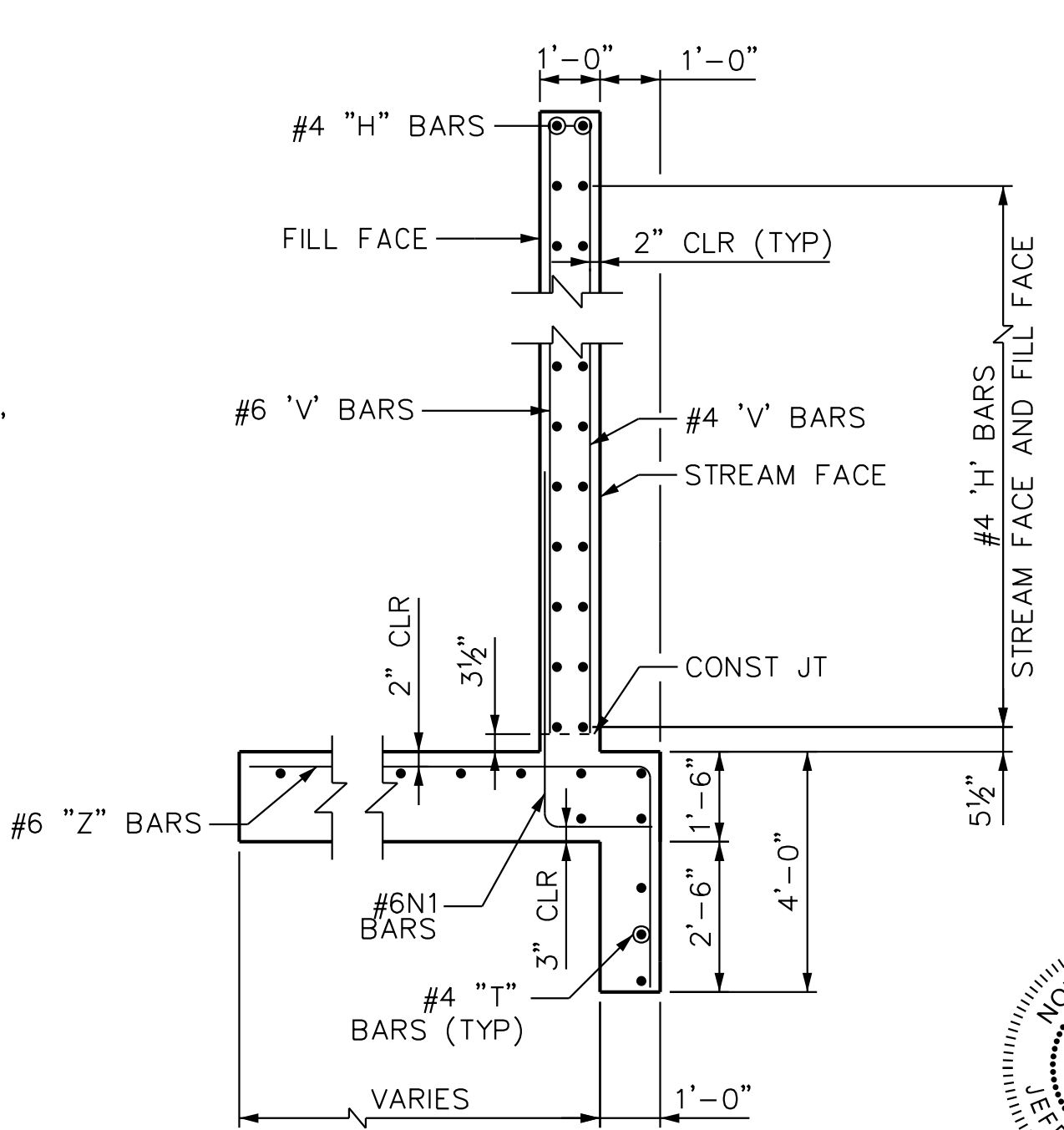
A 3-FOOT STRIP OF FILTER FABRIC SHALL BE ATTACHED TO FILL FACE OF THE WING COVERING THE ENTIRE LENGTH OF EXPANSION JOINT.



ELEVATION (W1)



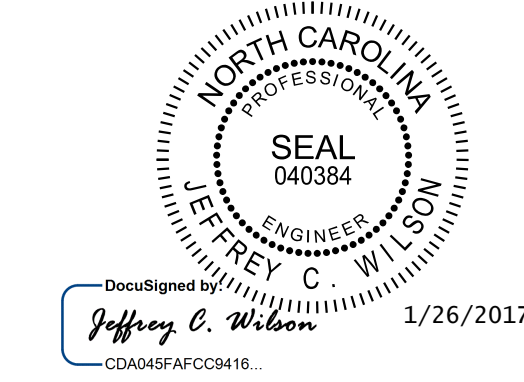
ELEVATION (W2)



SECTION A-A

SCALE: 3/8"=1'-0"

CLASS A CONCRETE	
WINGS	25.1 C.Y.
HEADWALL	1.4 C.Y.
CURTAIN WALL	4.3 C.Y.
SILL	0.9 C.Y.
TOTAL	31.7 C.Y.



Kimley»Horn
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Phone (919) 677-2000
N.C. LICENSE # F-0102

PROJECT NO. EB-4707B
DURHAM COUNTY
STATION: 105+70.00 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**DOUBLE 10' x 7'
CONCRETE BOX CULVERT
53° SKEW**

WINGWALL INLET

REVISIONS					SHEET NO. C5
NO.	BY	DATE	NO.	BY	
1			3		TOTAL SHEETS 24
2			4		