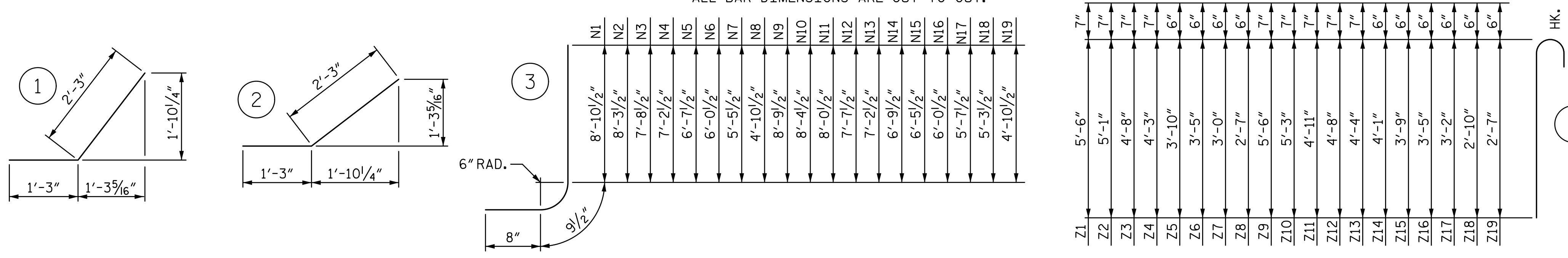


BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT.

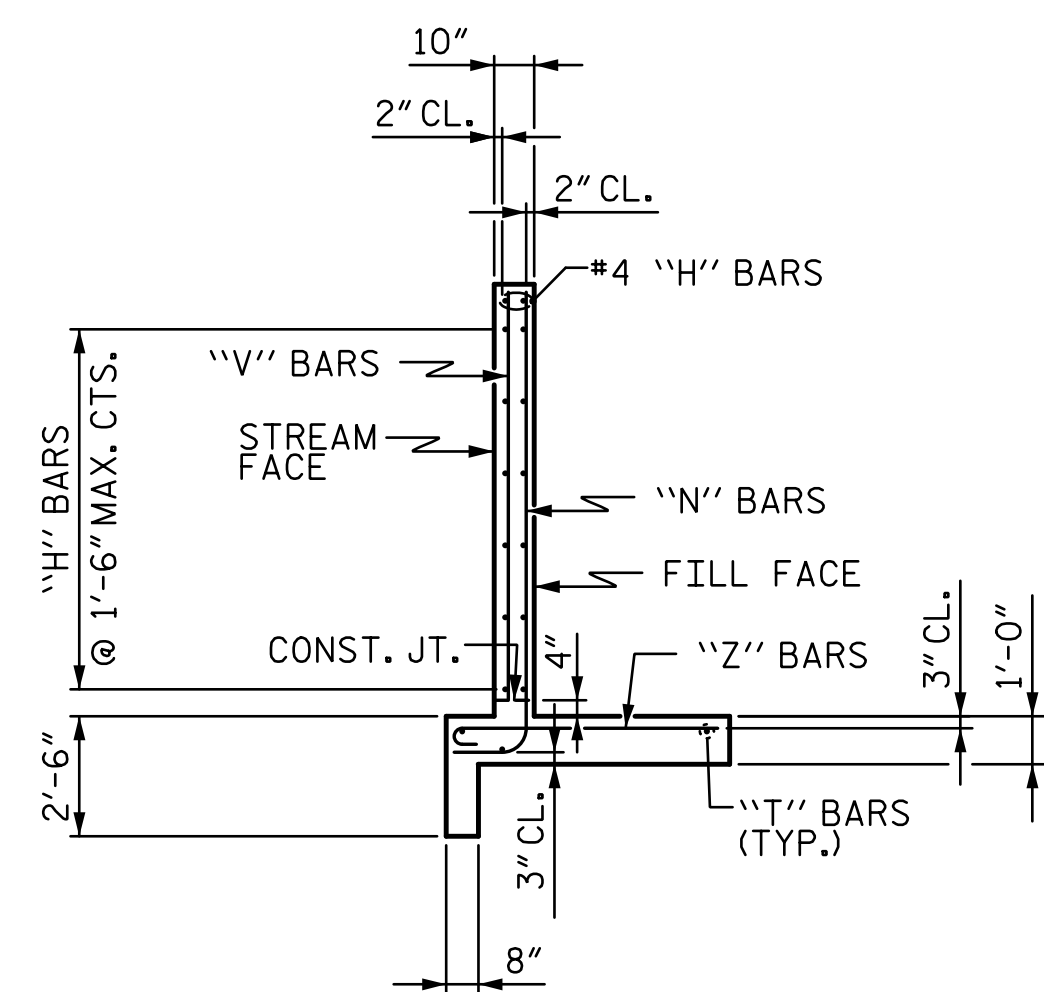


BILL OF MATERIAL

BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	12	#4	STR	20'-4"	163	V1	4	#4	STR	8'-3"	22
H2	4	#4	STR	18'-4"	49	V2	6	#4	STR	7'-8"	31
H3	4	#4	STR	10'-5"	28	V3	6	#4	STR	7'-1"	28
H4	24	#4	①	3'-6"	56	V4	6	#4	STR	6'-2"	26
H5	4	#4	STR	20'-8"	55	V5	6	#4	STR	6'-0"	24
H6	12	#5	STR	30'-7"	383	V6	6	#4	STR	5'-5"	22
H7	4	#4	STR	27'-7"	74	V7	6	#4	STR	4'-10"	19
H8	4	#4	STR	16'-1"	43	V8	6	#4	STR	4'-3"	17
H9	4	#4	STR	4'-7"	12	V9	6	#4	STR	8'-2"	33
H10	24	#4	②	3'-6"	56	V10	6	#4	STR	7'-9"	31
H11	4	#5	STR	30'-10"	129	V11	6	#4	STR	7'-5"	30
N1	4	#5	③	10'-4"	43	V12	6	#4	STR	7'-0"	28
N2	6	#5	③	9'-9"	61	V13	6	#4	STR	6'-2"	25
N3	6	#5	③	9'-2"	57	V14	6	#4	STR	6'-2"	25
N4	6	#5	③	8'-8"	54	V15	6	#4	STR	5'-10"	23
N5	6	#4	③	8'-1"	32	V16	6	#4	STR	5'-5"	22
N6	6	#4	③	7'-6"	30	V17	6	#4	STR	5'-0"	20
N7	6	#4	③	6'-11"	28	V18	6	#4	STR	4'-8"	19
N8	6	#4	③	6'-4"	25	V19	6	#4	STR	4'-3"	17
N9	6	#5	③	10'-3"	64	Z1	4	#5	④	6'-1"	25
N10	6	#5	③	9'-10"	62	Z2	6	#5	④	5'-8"	35
N11	6	#5	③	9'-6"	59	Z3	6	#5	④	5'-3"	33
N12	6	#5	③	9'-1"	57	Z4	6	#5	④	4'-10"	30
N13	6	#5	③	8'-8"	54	Z5	6	#4	④	4'-4"	17
N14	6	#4	③	8'-3"	33	Z6	6	#4	④	3'-11"	16
N15	6	#4	③	7'-11"	32	Z7	6	#4	④	3'-6"	14
N16	6	#4	③	7'-6"	30	Z8	6	#4	④	3'-1"	12
N17	6	#4	③	7'-1"	28	Z9	4	#5	④	6'-1"	25
N18	6	#4	③	6'-9"	27	Z10	6	#5	④	5'-10"	37
N19	6	#4	③	6'-4"	25	Z11	6	#5	④	5'-6"	34
S1	12	#6	STR	6'-0"	108	Z12	6	#5	④	5'-3"	33
T1	6	#4	STR	21'-11"	88	Z13	6	#5	④	4'-11"	31
T2	6	#5	STR	32'-1"	201	Z14	6	#4	④	4'-7"	18
						Z15	6	#4	④	4'-3"	17
						Z16	6	#4	④	3'-11"	16
						Z17	6	#4	④	3'-8"	15
						Z18	6	#4	④	3'-4"	13
						Z19	6	#4	④	3'-1"	12

REINFORCING STEEL FOR 4 WINGS	3,142
CLASS A CONCRETE	
4 WINGS	22.0 CY
2 HEADWALLS	1.3 CY
2 END CURTAIN WALLS	25.5 CY
TOTAL	48.8 CY

◆ INCLUDES WING FOOTINGS



TYPICAL WING SECTION

PROJECT NO. U-4751
 NEW HANOVER COUNTY
 STATION: 42+78.00 -Y8RPDB-
 SHEET 4 OF 4

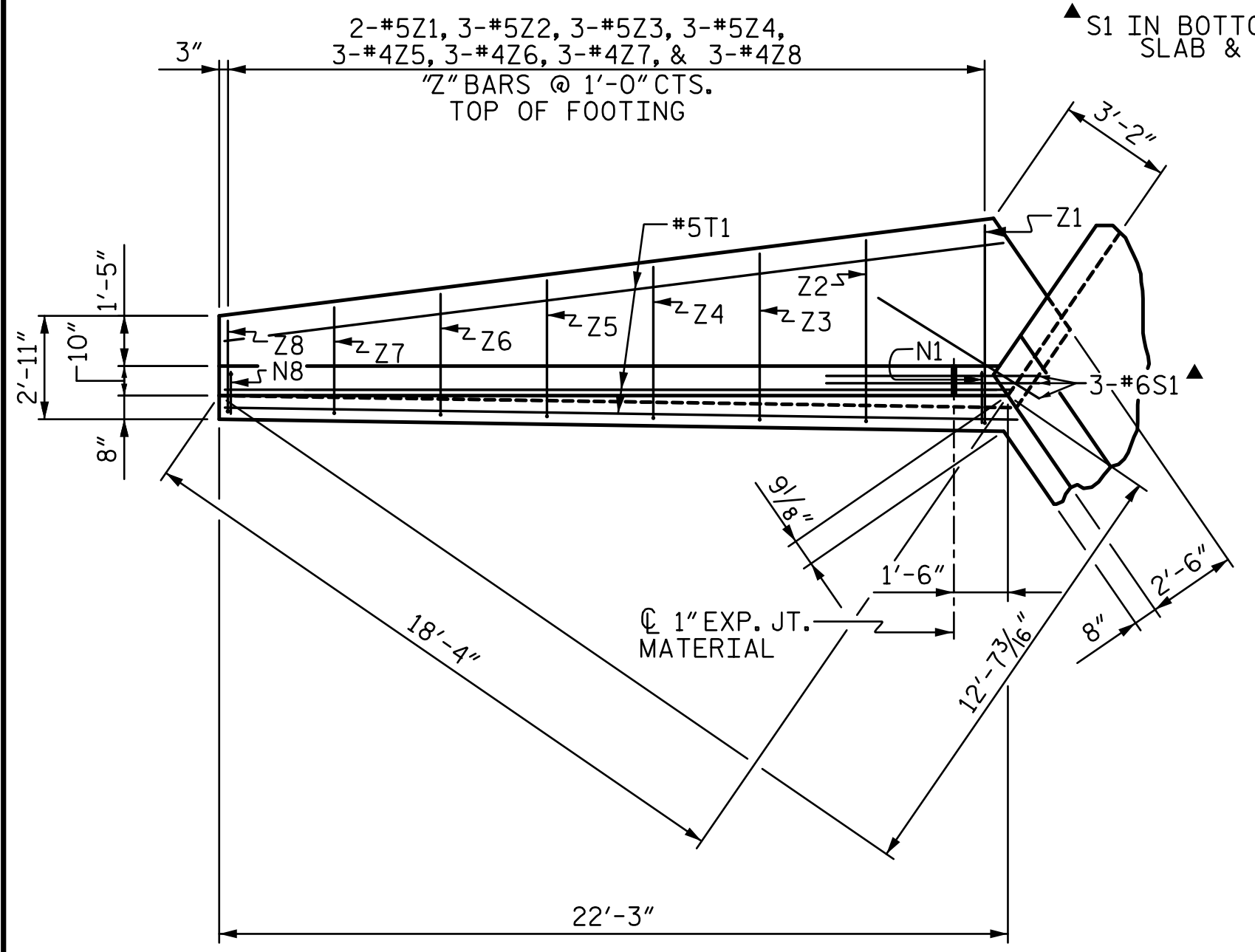
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

7/12/2017

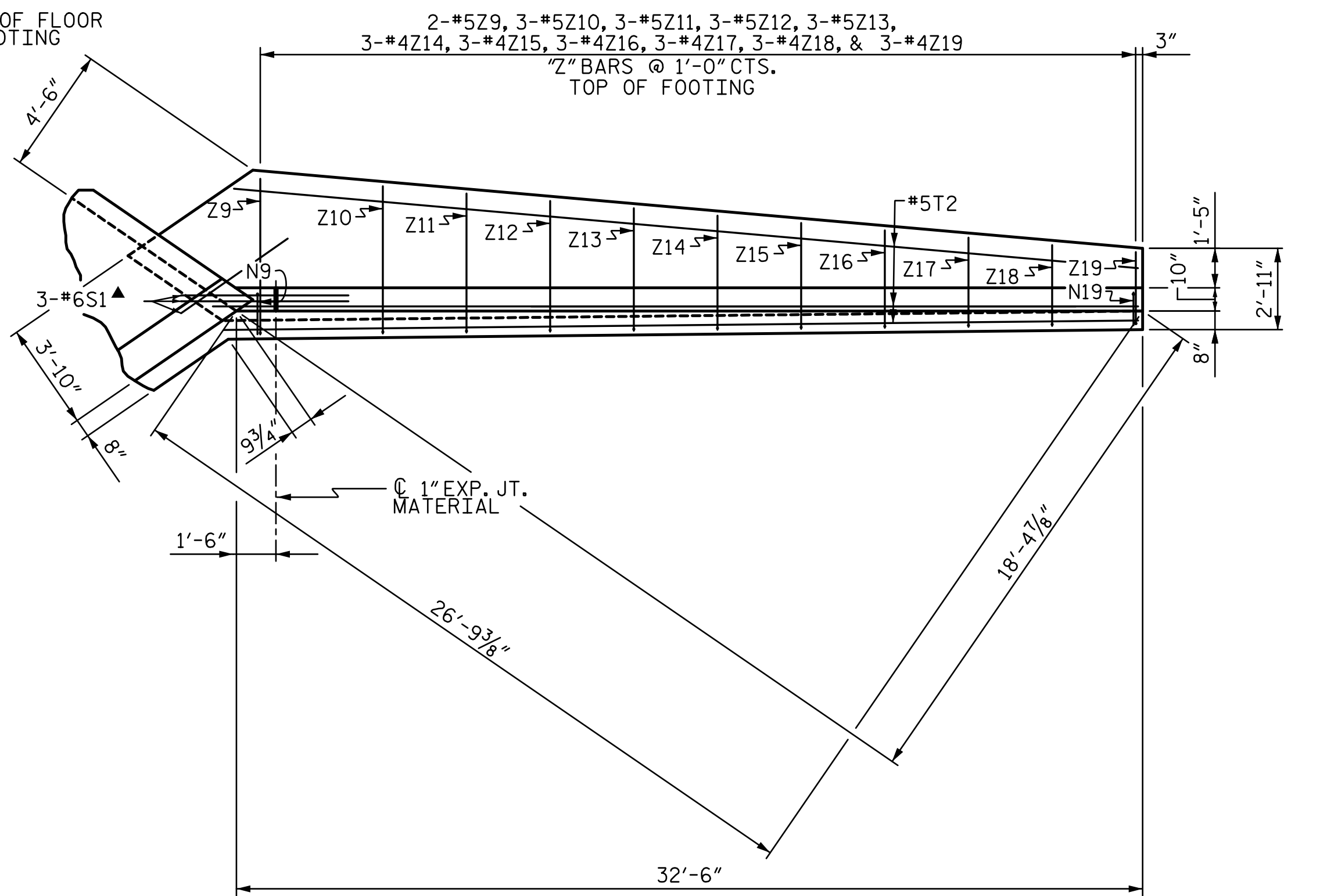
STV ENGINEERS, INC.
 900 West Trade St., Suite 715
 Charlotte, NC 28202
 NC License Number F-5991

SINGLE 12'-0" X 8'-0" CONCRETE BOX CULVERT 69°-00'-00" SKEW	
REVISIONS	SHEET NO. C4-4
NO. 1	BY: MLO DATE: 5-17
NO. 2	BY: J. JONES DATE: 5-17
NO. 3	BY: DATE:
NO. 4	BY: DATE:
TOTAL SHEETS 4	

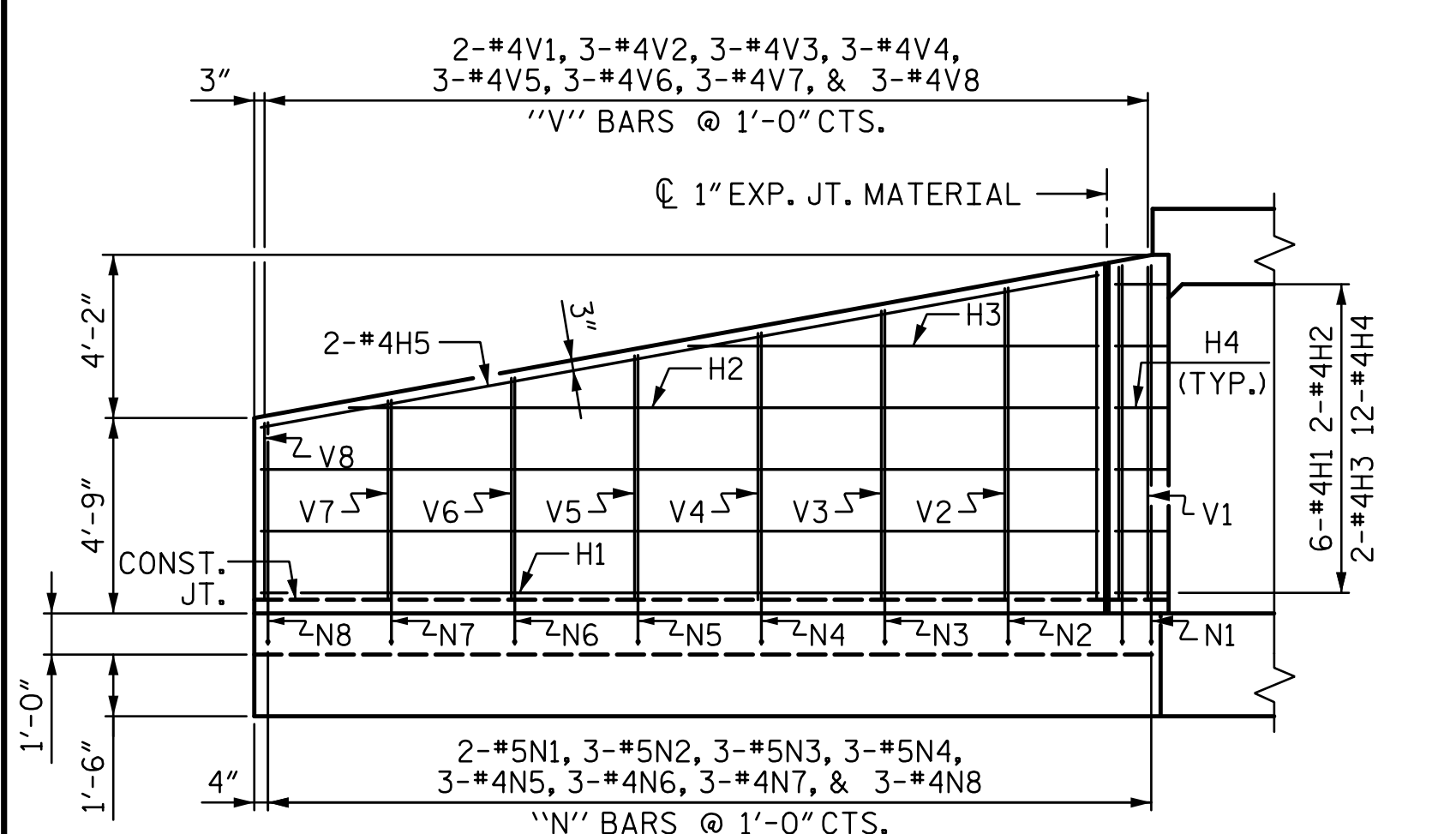
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 bcurry



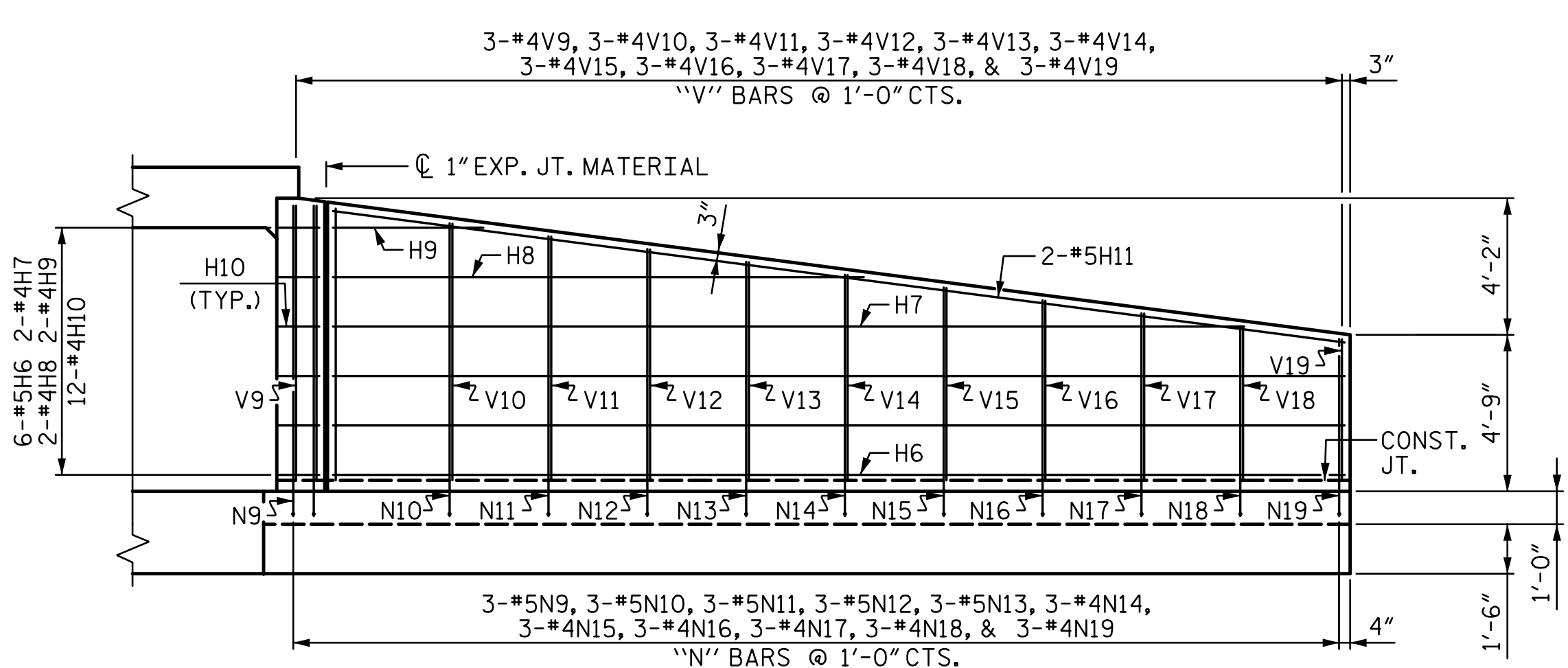
PLAN W1



PLAN W2



ELEVATION W1



ELEVATION W2

DRAWN BY: LGH	DATE: 5-17	DESIGN ENGINEER OF RECORD: J. JONES	DATE: 5-17
CHECKED BY: MLO	DATE: 5-17		