

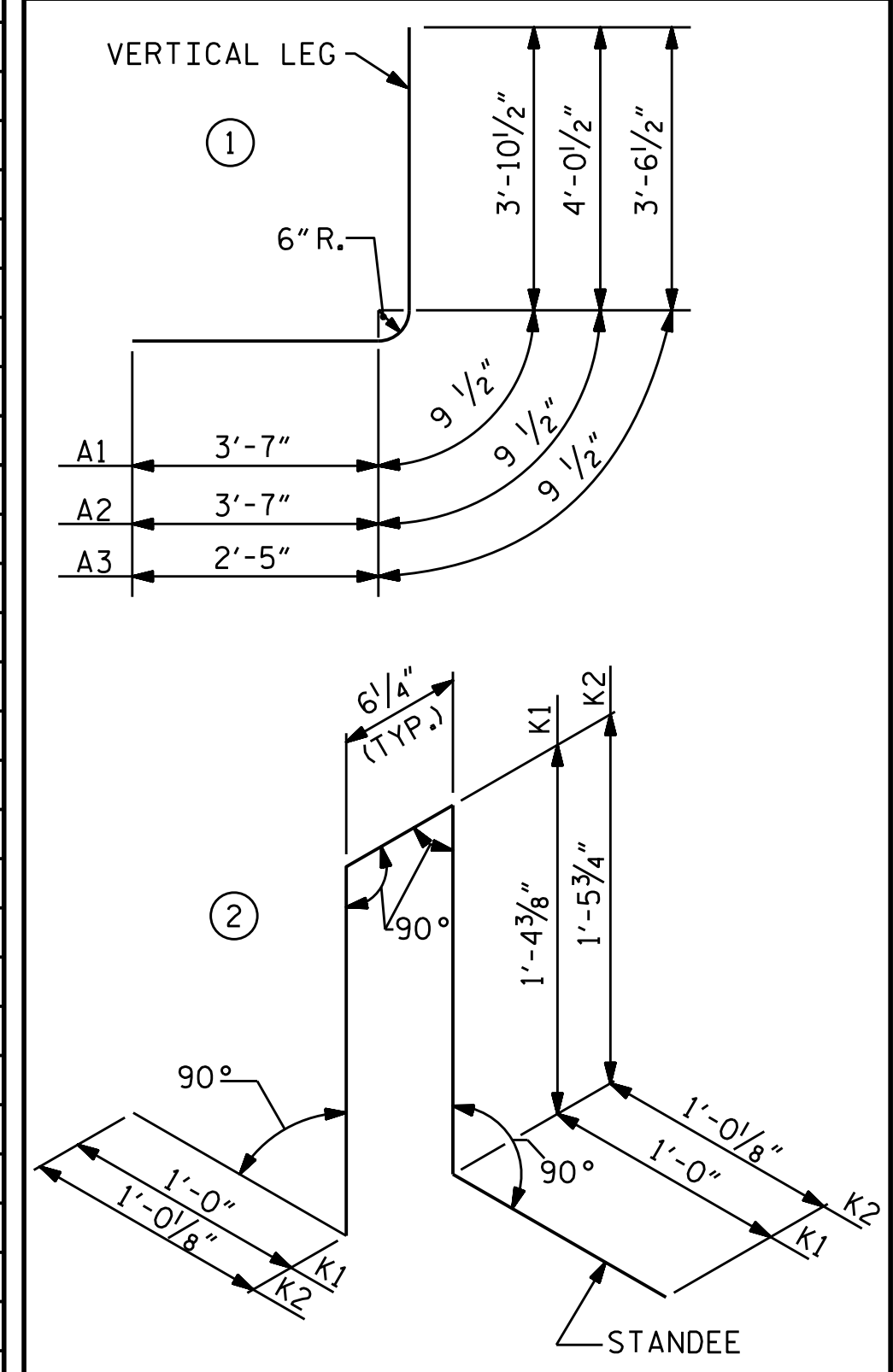
BARREL REINFORCING STEEL (STAGE I)

BAR NO	SIZE	TYPE	LENGTH	WEIGHT	
A1	203	5	1	8'-3"	1747
A2	203	5	1	8'-5"	1782
A3	254	4	1	6'-9"	1145
A200	193	5	STR	14'-0"	2818
A201	1	5	STR	12'-11"	13
A202	1	5	STR	11'-6"	12
A203	1	5	STR	10'-1"	11
A204	1	5	STR	8'-7"	9
A205	1	5	STR	7'-2"	7
A206	1	5	STR	5'-8"	6
A207	1	5	STR	4'-3"	4
A208	1	5	STR	2'-9"	3
A209	1	5	STR	1'-4"	1
A210	1	5	STR	12'-7"	13
A211	1	5	STR	11'-2"	12
A212	1	5	STR	9'-8"	10
A213	1	5	STR	8'-3"	9
A214	1	5	STR	6'-9"	7
A215	1	5	STR	5'-4"	6
A216	1	5	STR	3'-10"	4
A400	192	7	STR	15'-10"	6214
A401	2	7	STR	14'-5"	59
A402	2	7	STR	13'-0"	53
A403	2	7	STR	11'-6"	47
A404	2	7	STR	10'-1"	41
A405	2	7	STR	8'-7"	35
A406	2	7	STR	7'-2"	29
A407	2	7	STR	5'-8"	23
A408	1	7	STR	4'-3"	9
A409	1	7	STR	2'-9"	6
A410	1	7	STR	1'-4"	3
B1	85	5	STR	11'-6"	1020
B2	203	5	STR	7'-4"	1553
B3	254	4	STR	11'-6"	1951
C1	129	4	STR	29'-8"	2556
D1	5	6	STR	2'-6"	19
D2	3	6	STR	3'-8"	17
K2	116	4	2	5'-6"	426
S2	9	6	STR	15'-10"	214
A450	196	7	STR	9'-0"	3606
A451	1	7	STR	8'-6"	17
A452	1	7	STR	7'-1"	14
A453	1	7	STR	5'-7"	11
A454	1	7	STR	4'-2"	9
A455	1	7	STR	2'-8"	5
A456	1	7	STR	1'-3"	3
A457	1	7	STR	7'-8"	16
A458	1	7	STR	6'-3"	13
A459	1	7	STR	4'-9"	10
A460	1	7	STR	3'-4"	7
A461	1	7	STR	1'-10"	4

BARREL REINFORCING STEEL (STAGE II)

BAR NO	SIZE	TYPE	LENGTH	WEIGHT	
A100	188	5	STR	20'-9"	4069
A101	2	5	STR	19'-9"	41
A102	2	5	STR	18'-4"	38
A103	2	5	STR	16'-10"	35
A104	2	5	STR	15'-5"	32
A105	2	5	STR	13'-11"	29
A106	2	5	STR	12'-6"	26
A107	2	5	STR	11'-0"	23
A108	2	5	STR	9'-7"	20
A109	2	5	STR	8'-2"	17
A110	2	5	STR	6'-8"	14
A111	2	5	STR	5'-3"	11
A112	2	5	STR	3'-9"	8
A113	2	5	STR	2'-4"	5
A250	196	5	STR	9'-0"	1840
A251	1	5	STR	8'-6"	9
A252	1	5	STR	7'-1"	7
A253	1	5	STR	5'-7"	6
A254	1	5	STR	4'-2"	4
A255	1	5	STR	2'-8"	3
A256	1	5	STR	1'-3"	1
A257	1	5	STR	7'-8"	8
A258	1	5	STR	6'-3"	7
A259	1	5	STR	4'-9"	5
A260	1	5	STR	3'-4"	3
A261	1	5	STR	1'-10"	2
A300	188	6	STR	20'-9"	5859
A301	2	6	STR	19'-9"	59
A302	2	6	STR	18'-4"	55
A303	2	6	STR	16'-10"	51
A304	2	6	STR	15'-5"	46
A305	2	6	STR	13'-11"	42
A306	2	6	STR	12'-6"	38
A307	2	6	STR	11'-0"	33
A308	2	6	STR	9'-7"	29
A309	2	6	STR	8'-2"	25
A310	2	6	STR	6'-8"	20
A311	2	6	STR	5'-3"	16
A312	2	6	STR	3'-9"	11
A313	2	6	STR	2'-4"	7
A450	196	7	STR	9'-0"	3606
A451	1	7	STR	8'-6"	17
A452	1	7	STR	7'-1"	14
A453	1	7	STR	5'-7"	11
A454	1	7	STR	4'-2"	9
A455	1	7	STR	2'-8"	5
A456	1	7	STR	1'-3"	3
A457	1	7	STR	7'-8"	16
A458	1	7	STR	6'-3"	13
A459	1	7	STR	4'-9"	10
A460	1	7	STR	3'-4"	7
A461	1	7	STR	1'-10"	4

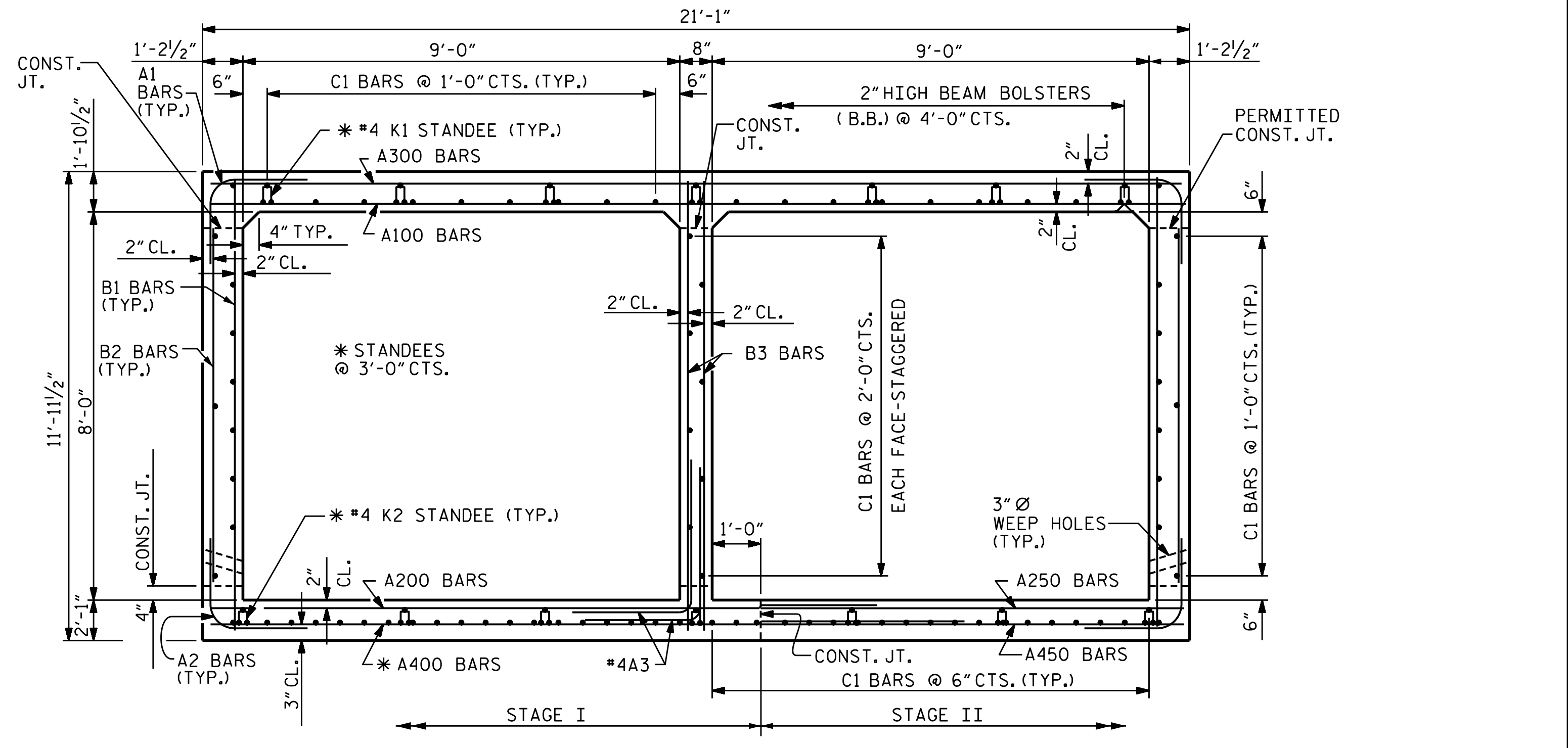
BAR TYPE



BAR DIMENSIONS ARE OUT TO OUT

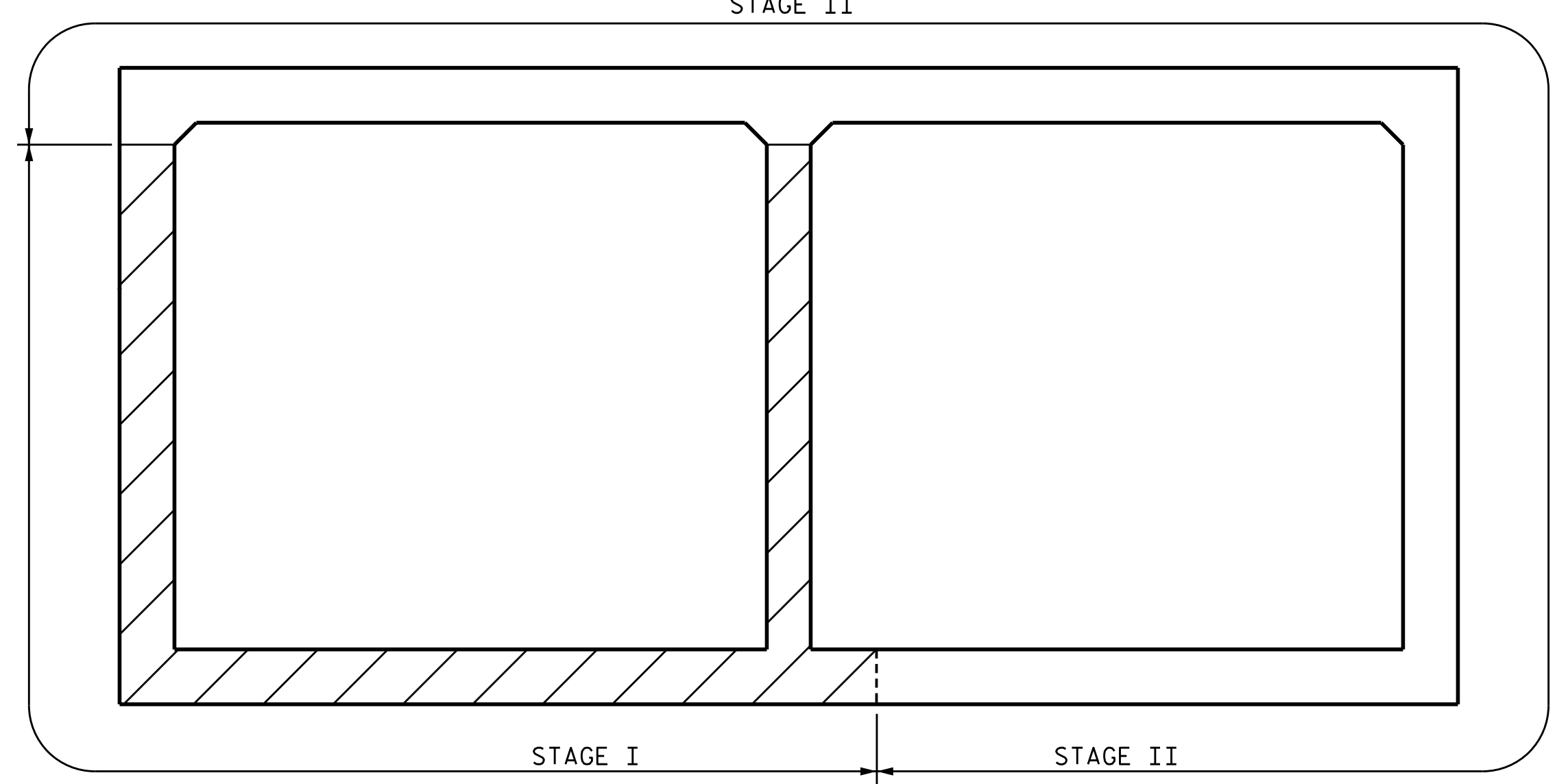
SPLICE LENGTHS CHART

BAR	SIZE	SPLICE LENGTH
A200	#5	2'-4"
A400	#7	4'-2"
B1, B3	#4	1'-10"
C1	#4	2'-5"



RIGHT ANGLE SECTION OF BARREL

THERE ARE 96 "C" BARS IN SECTION OF BARREL. (LOOKING UPSTREAM)



CONSTRUCTION SEQUENCE

(LOOKING UPSTREAM)

NOTE: * THE CONTRACTOR HAS THE OPTION TO USE MECHANICAL COUPLERS IN LIEU OF LAP SPLICES IN THE FLOOR SLAB AS NECESSARY TO AVOID POSSIBLE CONFLICTS WITH INSTALLATION OF THE IMPERVIOUS DIKE DURING STAGE I CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE MADE.

PROJECT NO. HB-0003
HAYWOOD COUNTY
 STATION: 188+14.00 -L-

P:\2023\2312801-HB-0003-Structures\DWG\CULVERT_EXT_12-2023\C-6_HB-003_SML_CU_TYP_SECTION_AND_BILL_OF_MATERIALS.dgn
 5/11/2024 3:12:12 PM

DRAWN BY: D. MOSQUERA DATE: 11/28/23
 CHECKED BY: J. DILWORTH DATE: 11/28/23

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

ENGINEER OF RECORD
 5/1/2024

 Juan D. Mosquera
 REGISTERED PROFESSIONAL ENGINEER

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**DOUBLE
 9 FT. X 8 FT.
 REINFORCED CONCRETE
 BOX CULVERT
 EXTENSION**

REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 9