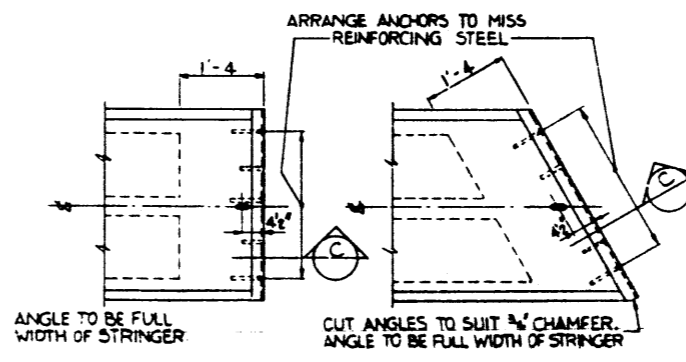
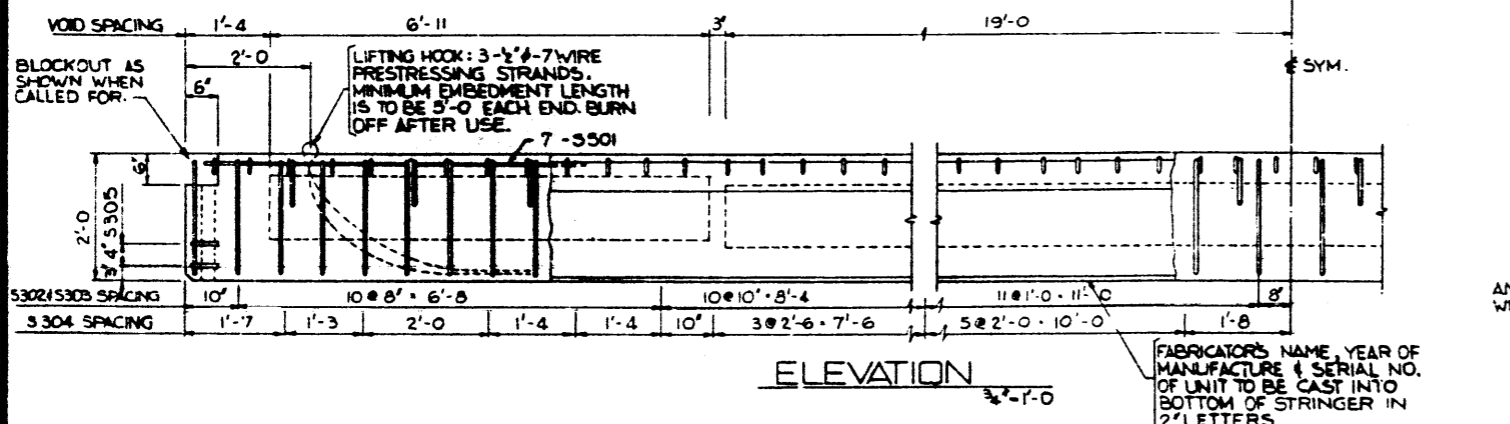
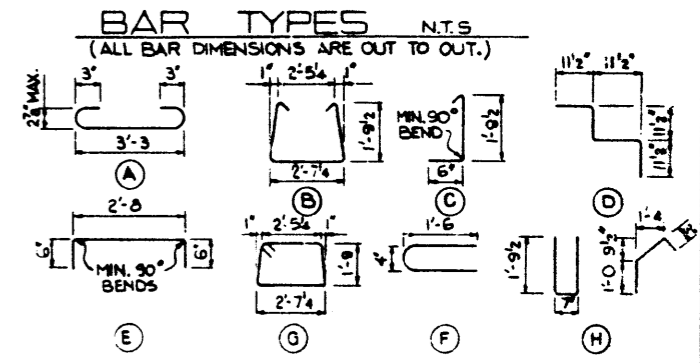
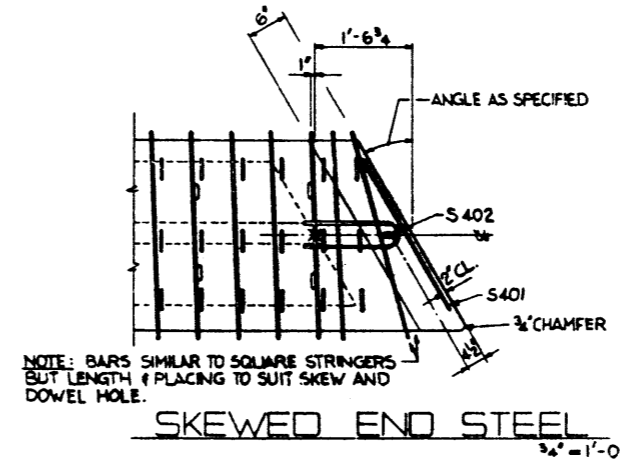
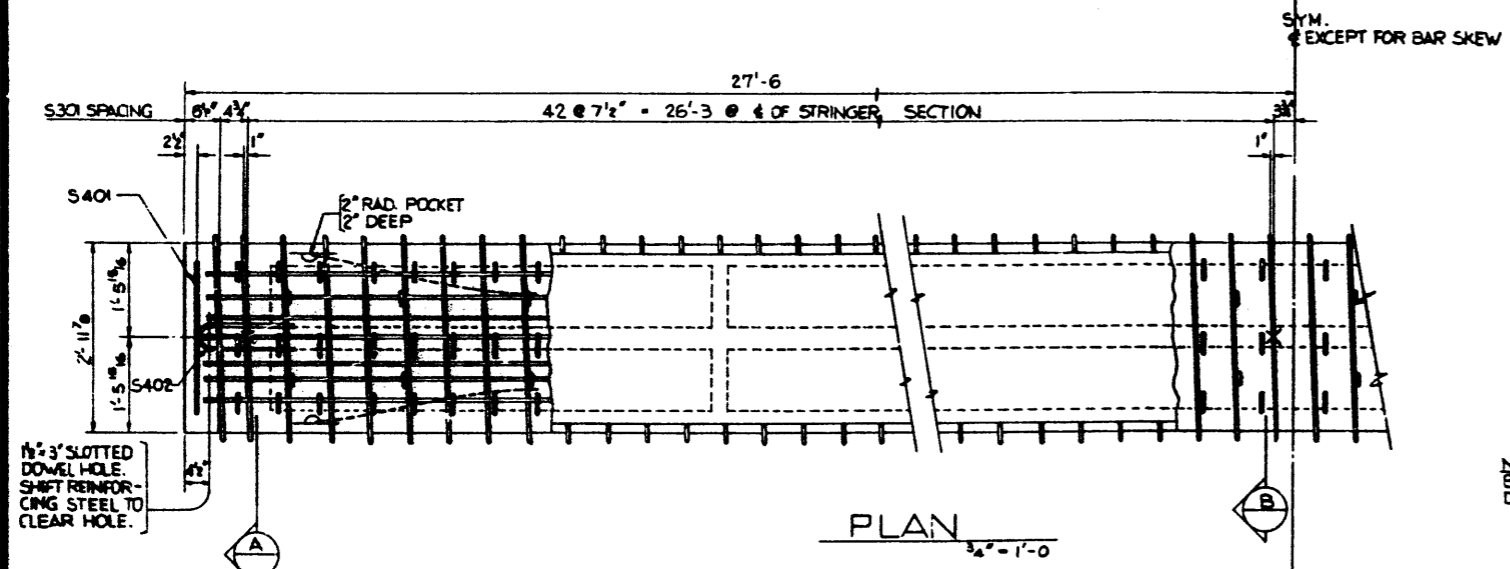
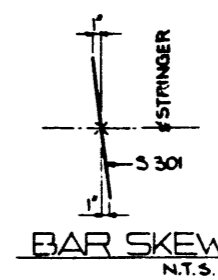


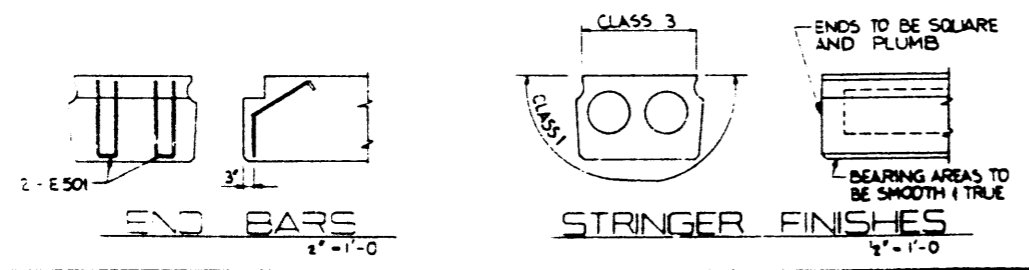
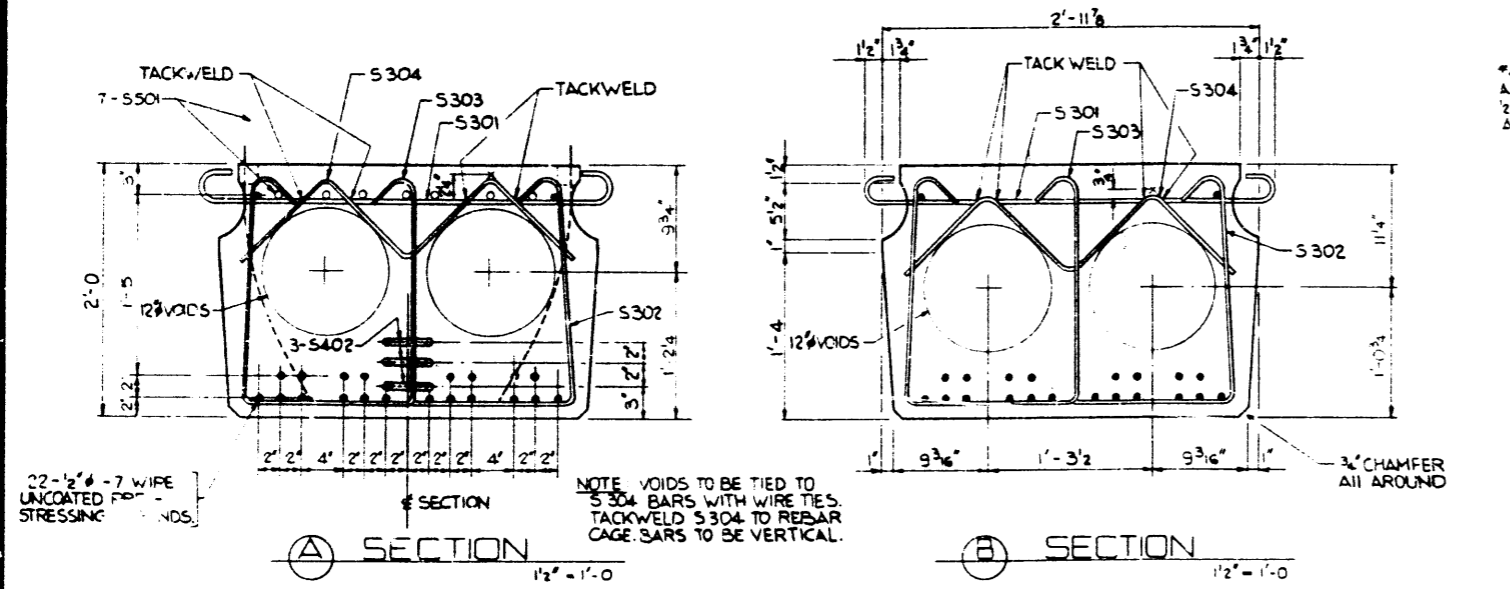
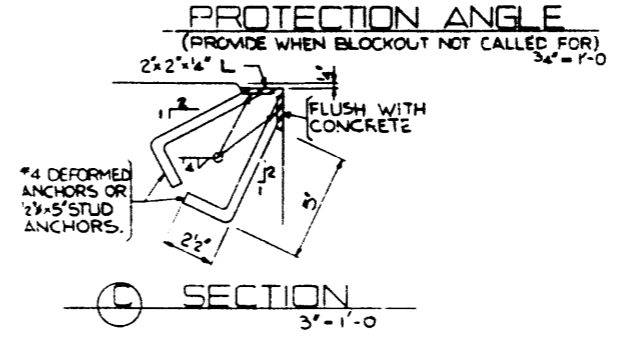
BAR LIST

MARK	SIZE	NO.	TYPE	LENGTH	WEIGHT
S 301	3	88	A	4'-0	132
S 302	3	64	B	6'-10	164
S 303	3	64	C	2'-7	62
S 304	3	28	D	3'-10	40
S 305	3	4	E	3'-8	6
S 401	4	2	G	9'-4	12
S 402	4	6	F	3'-2	13
E 501	5	4	H	6'-2	26
S 501	5	14	STR.	6'-0	88
TOTAL:					543



GENERAL NOTES:

- DESIGN:**
- A.A.S.H.O. 199 SPECIFICATIONS PLUS INTERIMS TO 1972, EXCEPT ALLOWABLE FINAL CONCRETE STRESS = 420 P.S.I. IN TENSION IN PRECOMPRESSED TENSILE ZONE.
 - LOADING: 3/5 OF ONE WHEEL LINE OF AN HS 20-44 TRUCK PLUS FULL DEAD LOAD PLUS 2" WEARING SURFACE.
- MATERIALS:**
- CONCRETE SHALL BE OF STANDARD WEIGHT AGGREGATE WITH A MAXIMUM SIZE OF 3/4". MINIMUM COMPRESSIVE STRENGTH SHALL BE 5,000 P.S.I. AT 28 DAYS. AIR ENTRAINMENT SHALL BE NOT LESS THAN 5%.
 - PRESTRESSING STEEL SHALL BE 1/2" DIAMETER - 7 WIRE 270 K STRAND.
- FABRICATION:**
- REINFORCEMENT: DIAMETERS OF ALL BENDS AND DETAILS OF ALL HOOKS UNLESS OTHERWISE NOTED SHALL CONFORM TO THE RECOMMENDED SIZES DETAILED IN THE A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
 - PRESTRESSING STEEL: INITIAL TENSIONING LOAD = 28.91 K/STRAND DESIGN LOAD = 23.0 K/STRAND
 - CONCRETE SHALL ATTAIN 4000 P.S.I. COMPRESSIVE STRENGTH BEFORE THE PRESTRESSING FORCE IS TRANSFERRED.
 - ANCHOR BOLT ASSEMBLIES SHALL BE CAST IN STRINGER AT SPACINGS AS REQUIRED.
 - STRINGERS SHALL CONFORM TO THE REQUIREMENTS OF THE BRIDGE BRANCH SPECIFICATIONS FOR PRESTRESSED CONCRETE BRIDGE UNITS.
 - THE SURFACE OF GROUT KEYS AND END BLOCKOUTS SHALL BE SANDBLASTED.
 - ALTERNATE HOLD DOWN DEVICES FOR PLACEMENT OF VOIDS WILL BE CONSIDERED.
- ERECTION:**
- LIFTING FORCE AT EACH HOOK MUST BE NOT MORE THAN 35% FROM THE VERTICAL LINE AT ALL TIMES. STRINGER SURFACE MUST BE LEVEL AT ALL TIMES.



APPROVED		PROVINCE OF ALBERTA DEPARTMENT OF HIGHWAYS AND TRANSPORT BRIDGE BRANCH	
PRESTRESSED CONCRETE 55FT. SPAN TYPE 'M' STRINGER		4A	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
DESIGNED BY D. H. CLAPP E. D. J.	DATE JAN. 1973	CHECKED BY	DATE
STRAIN	LOCATION	NOV. NO.	SOLE
FILE NO.	WELLS	NO.	5-70473