

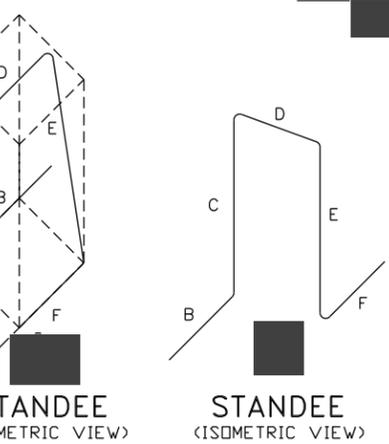
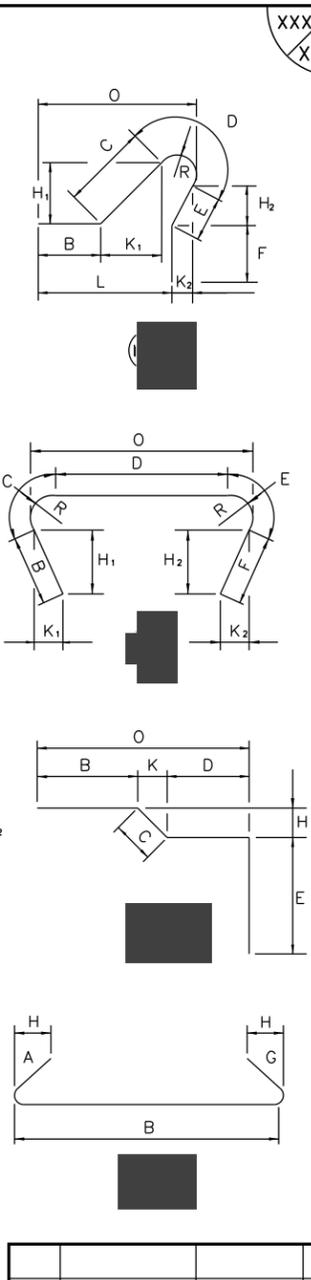
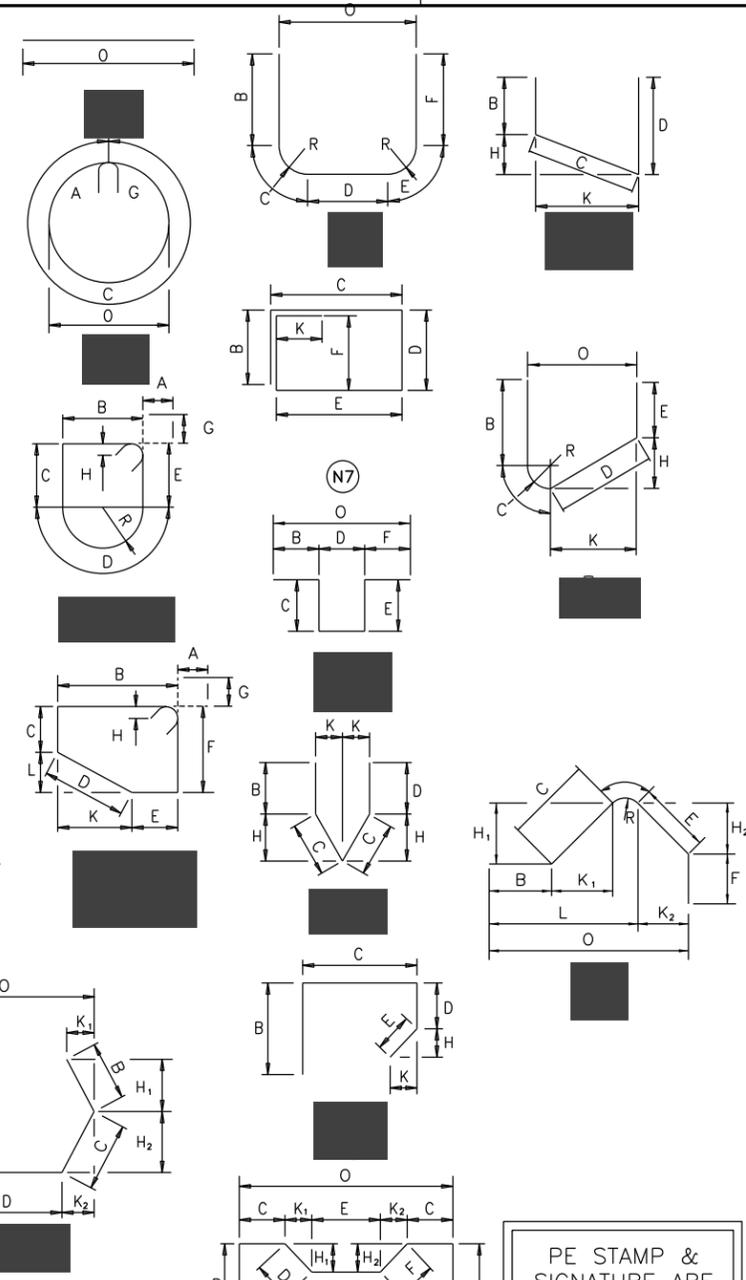
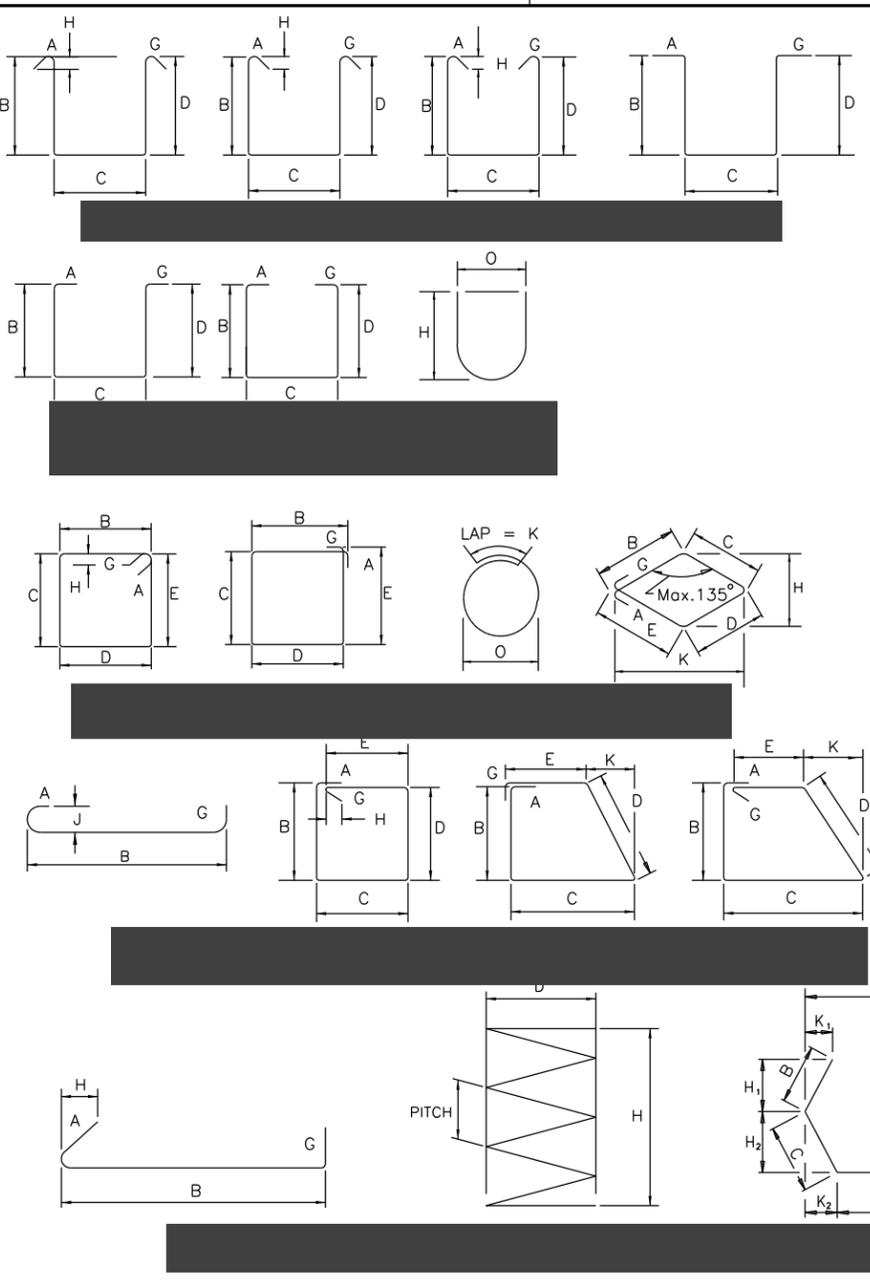
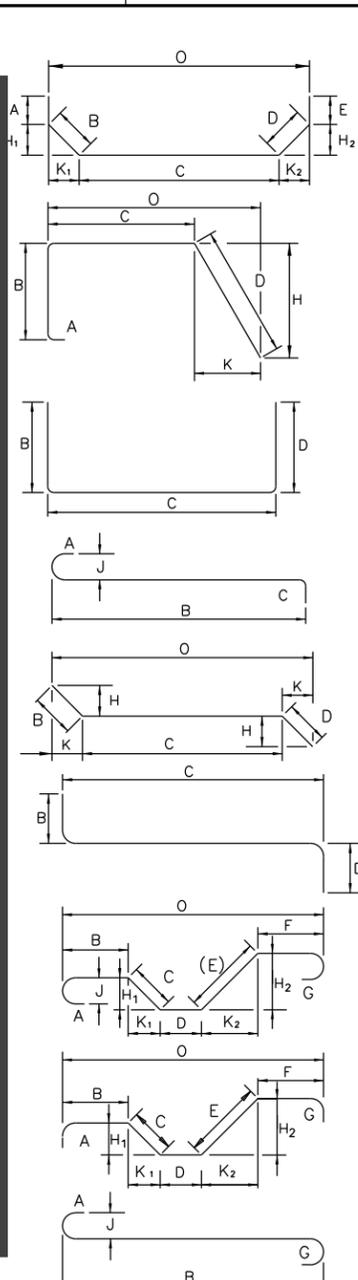
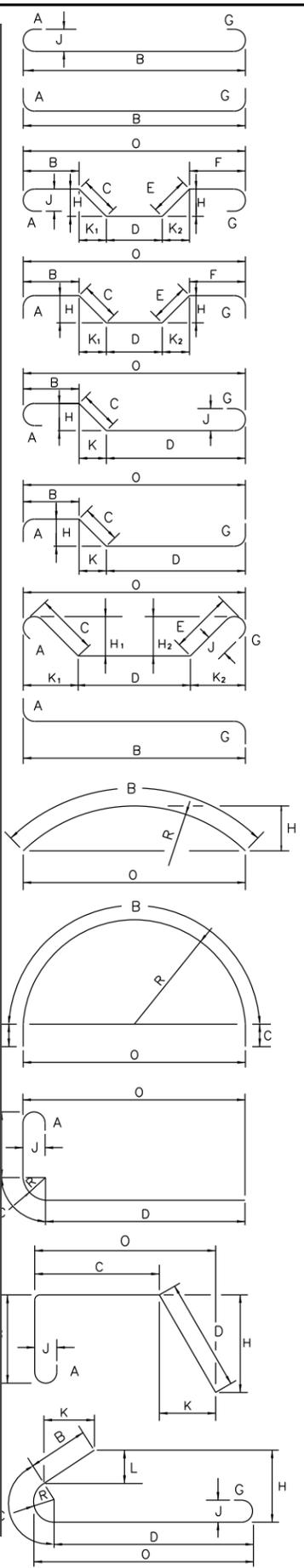
CHECKED BY: IA

DRAWN BY: IA

DESIGNED BY: IA

IN CHARGE OF: IA

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MAINTITLE OF DRAWING
SUBTITLE OF DRAWING

STEEL REINFORCEMENT NOTES

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", ASTM A615-06a. ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
- FOR TYPICAL BENDING DETAILS, RECOMMENDED P.I.N. DIAMETER "D" OF BENDS HOOKS AND OTHER STANDARD PRACTICES SEE ACI-318-05 & THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICES" (MSP).
- BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED ON THE BARLIST.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180° AND 135° HOOKS.
- DIMENSIONS "A", "G" AND "J" ARE STANDARD BENDING DIMENSIONS PER EACH SIZE OF BAR. REFER TO C.R.S.I. - M.S.P. FOR DETAILS.
- WHERE SLOPE DIFFERS FROM 45°, DIMENSIONS "H" AND "K" MUST BE SHOWN ON BARLIST.
- ▲ - INDICATES BARS TO CUT TO FIT IN THE FIELD.
- ALL REINFORCING BARS SHALL BE FABRICATED AND GALVANIZED IN ACCORDANCE WITH ASTM A767-05 AND MEET THE REQUIREMENTS OF NYSDOT MATERIAL SPECIFICATION 709-11.
- FIELD CUT ENDS OF GALVANIZED REINFORCING STEEL SHALL BE REPAIRED AS PER SUBSECTION 556-3.03B2 OF THE N.Y.S. STANDARD SPECIFICATIONS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 556.0203.
- ITEM FOR REINFORCING STEEL IS AS FOLLOWS:
556.0203 - GALVANIZED BAR REINFORCEMENT FOR STRUCTURES.
- BAR MARK PROCEDURE IS AS FOLLOWS:

5SAG03
 - SEQUENTIAL BAR NUMBER.
 - INDICATES BAR COATING (G= GALV., BLANK=BLACK)
 - INDICATES STRUCTURE TYPE (IE. A=ABUTMENT, P=PIER ETC.)
 - INDICATES BAR LOCATION (IE. S=SOUTH, N=NORTH ETC.) (OPTIONAL).
 - INDICATES BAR SIZE (IE. 5,6,7,ETC.)
- BAR MARKS SHOULD NORMALLY INCREASE IN SEQUENTIAL NUMBER AND SIZE FROM SMALLEST TO LARGEST AT EACH LOCATION.
- "*" - INDICATES BAR MARK IS OUT OF SEQUENCE.

PE STAMP &
SIGNATURE ARE
NOT REQUIRED
ON THIS SHEET.

DATE	DESCRIPTION	BY	SYM.

REVISIONS

NEW YORK STATE THRUWAY AUTHORITY
DEPARTMENT OF ENGINEERING
200 SOUTHERN BLVD., ALBANY, N.Y. 12209

TITLE OF PROJECT
TITLE OF PROJECT LINE 1
TITLE OF PROJECT LINE 2

LOCATION OF PROJECT
LOCATION OF PROJECT LINE 1
LOCATION OF PROJECT LINE 2

TITLE OF DRAWING

STANDARD
BARBEND DETAILS

CONTRACT NUMBER:
TA

DATE:
3/10

DRAWING NUMBER:
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