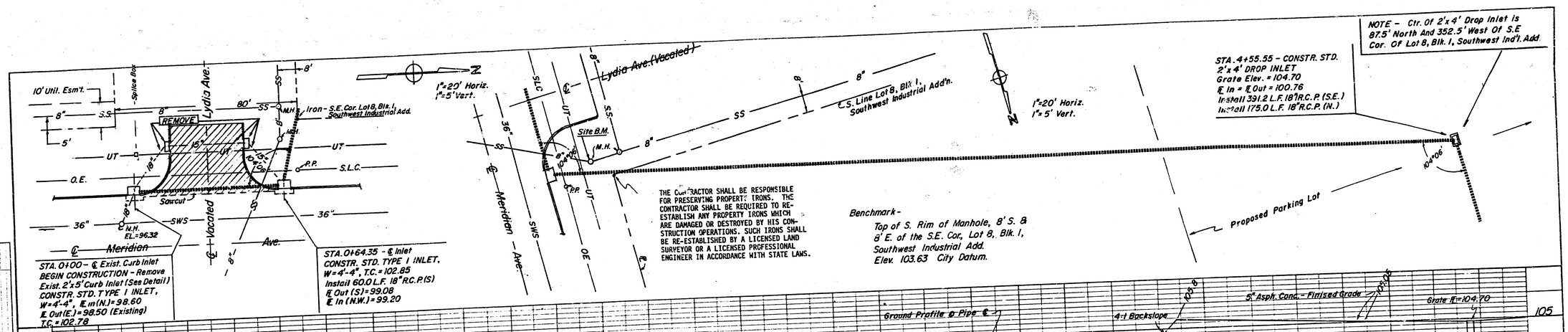

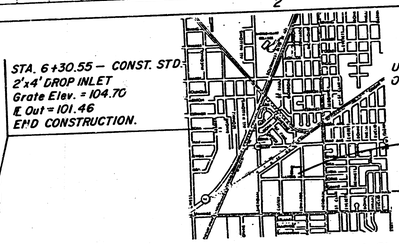

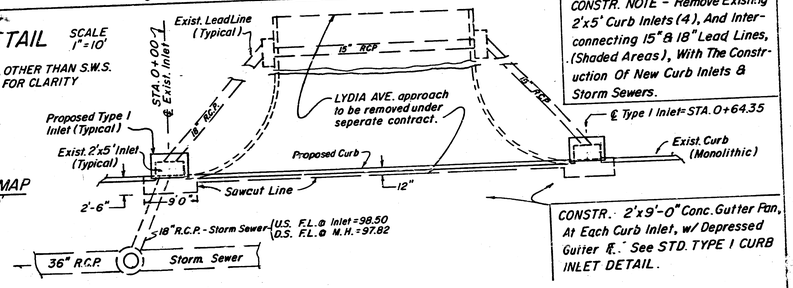

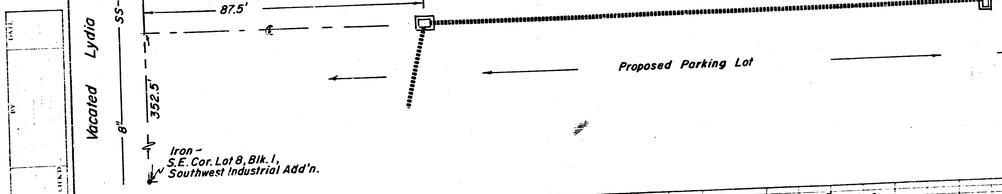

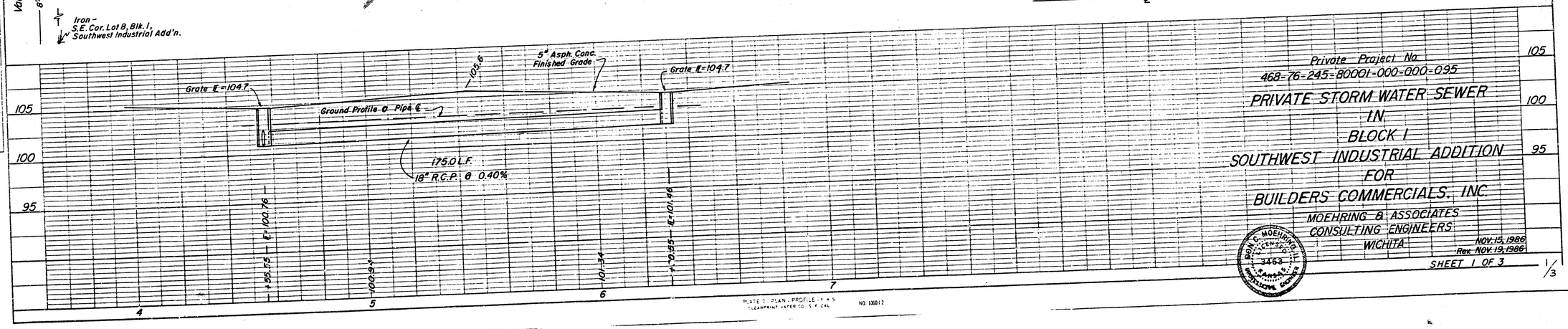

Private Project No
468-76-245-80001-000-000-095

PRIVATE STORM WATER SEWER IN BLOCK I SOUTHWEST INDUSTRIAL ADDITION FOR BUILDERS COMMERCIALS, INC.

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

NOV. 15, 1986
Rev. NOV. 19, 1986

SHEET 1 OF 3

1/3

PLATE D - PLAN - PROFILE - 4 A 5
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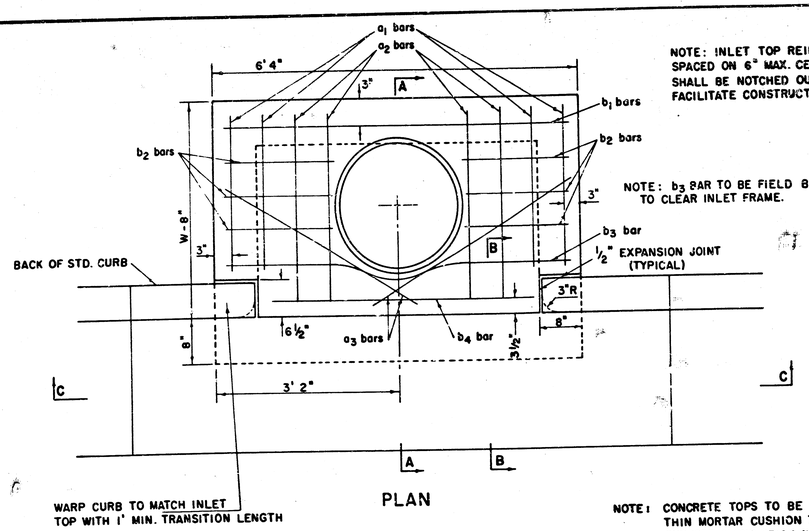


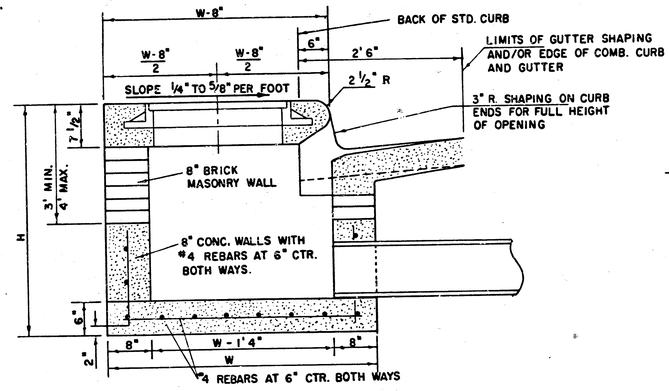
NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

NOTE: b_3 BAR TO BE FIELD BENT TO CLEAR INLET FRAME.

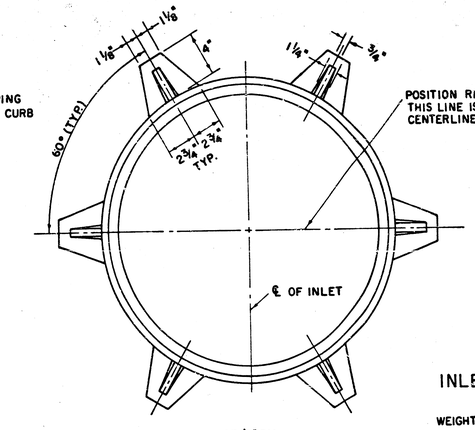
WARP CURB TO MATCH INLET TOP WITH 1' MIN. TRANSITION LENGTH

PLAN

NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.

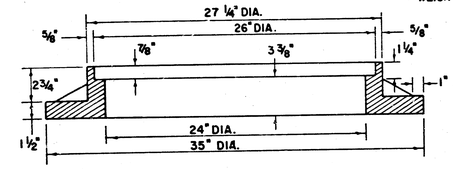


SECTION A-A



INLET FRAME

WEIGHT = 180 LBS.



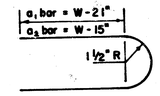
SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.

STEEL SCHEDULE

	BAR	a_1	a_2	a_3	b_1 W=4'4"	W=5'4"	W=6'4"	W=7'4"	W=8'4"	b_2	b_3	b_4	WT. LBS.
	NUMBER	4	4	2	1	3	5	7	9	6	1	1	
	SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH	W = 4'4"	5'7"	6'7"	4'0"	6'1"	–	–	–	–	1'9"	6'2"	4'8"	60±
LENGTH	W=5'4"	7'7"	8'7"	5'0"	–	6'1"	–	–	–	1'9"	6'2"	4'8"	81 ±
LENGTH	W=6'4"	9'7"	10'7"	6'0"	–	–	6'1"	–	–	1'9"	6'2"	4'8"	101 ±
LENGTH	W=7'4"	11'7"	12'7"	7'0"	–	–	–	6'1"	–	1'9"	6'2"	4'8"	121 ±
LENGTH	W=8'4"	13'7"	14'7"	8'0"	–	–	–	–	6'1"	1'9"	6'2"	4'8"	141 ±

NOTE: a_3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER.

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	3'8" 6'4" 7 1/2"	21" & SMALLER	0.38 ±
5' 4"	4'8" 6'4" 7 1/2"	24" & 30"	0.51 ±
6' 4"	5'8" 6'4" 7 1/2"	36" & 42"	0.64 ±
7' 4"	6'8" 6'4" 7 1/2"	48" & 54"	0.77 ±
8' 4"	7'8" 6'4" 7 1/2"	60" & 66"	0.90 ±



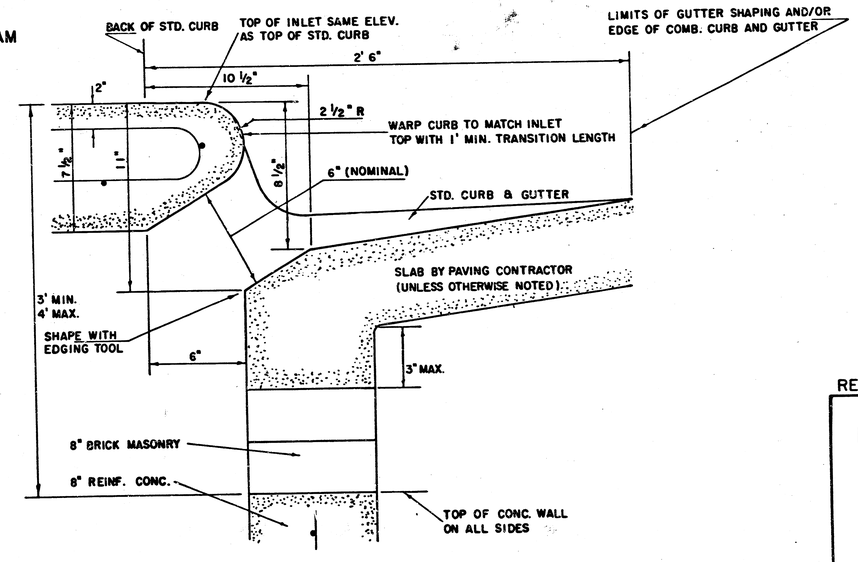
BENDING DIAGRAM

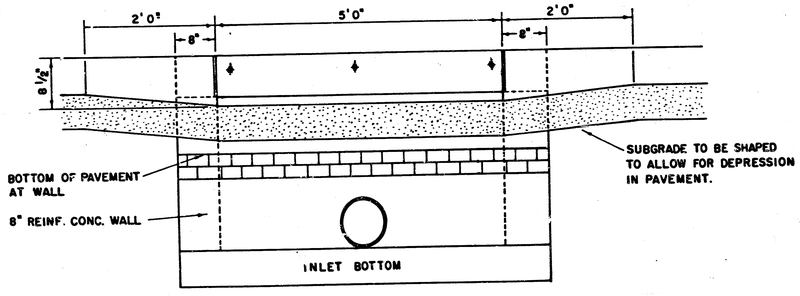
NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6'4" AND H = 7'0" OR LESS.

INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

SECTION B-B





SECTION C-C

REVISED 12-21-1984

DETAIL STANDARD TYPE I CURB INLET

CITY OF WICHITA, KANSAS

INLET OPENING = 6" x 5'0"

JUNE 1984

2/3

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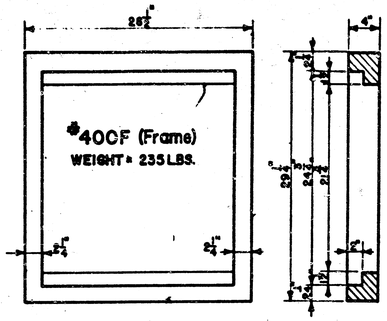
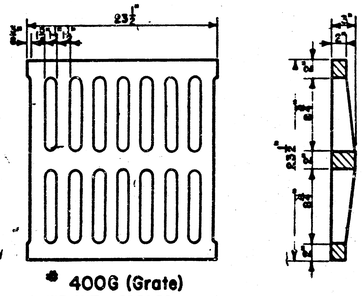
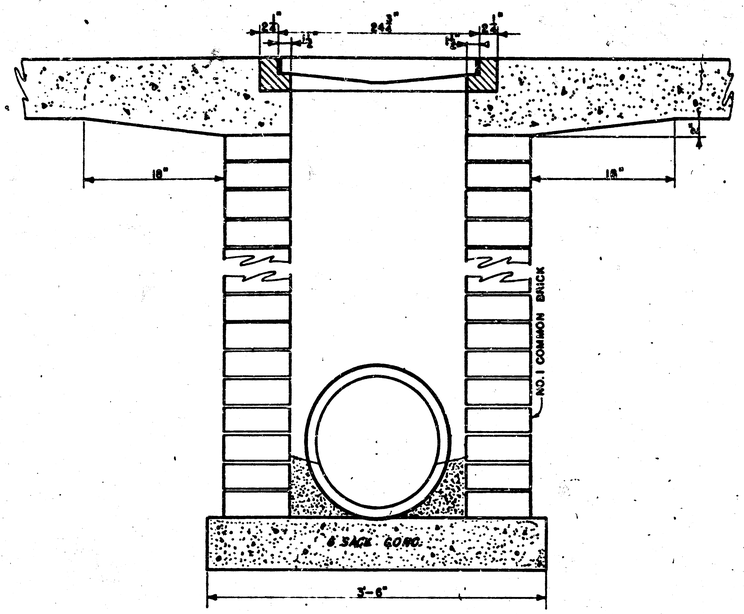
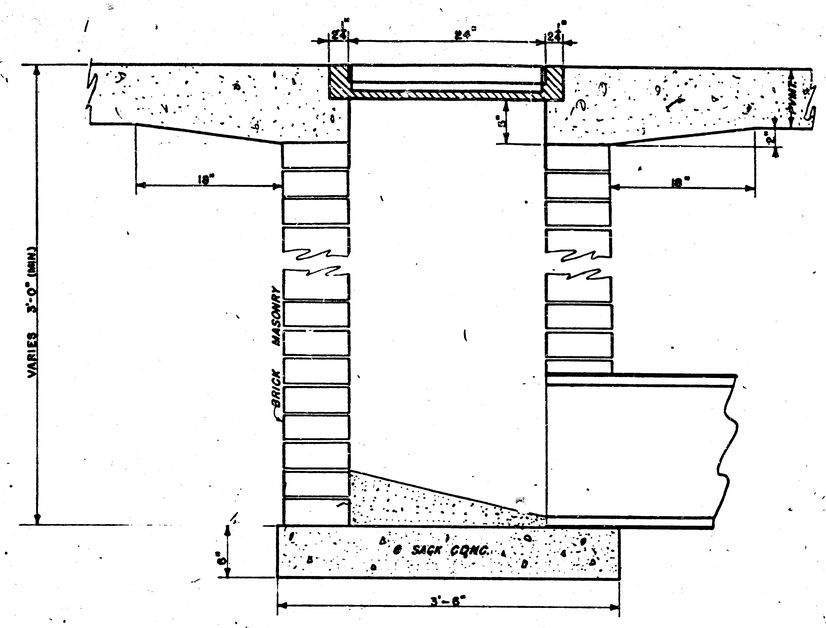


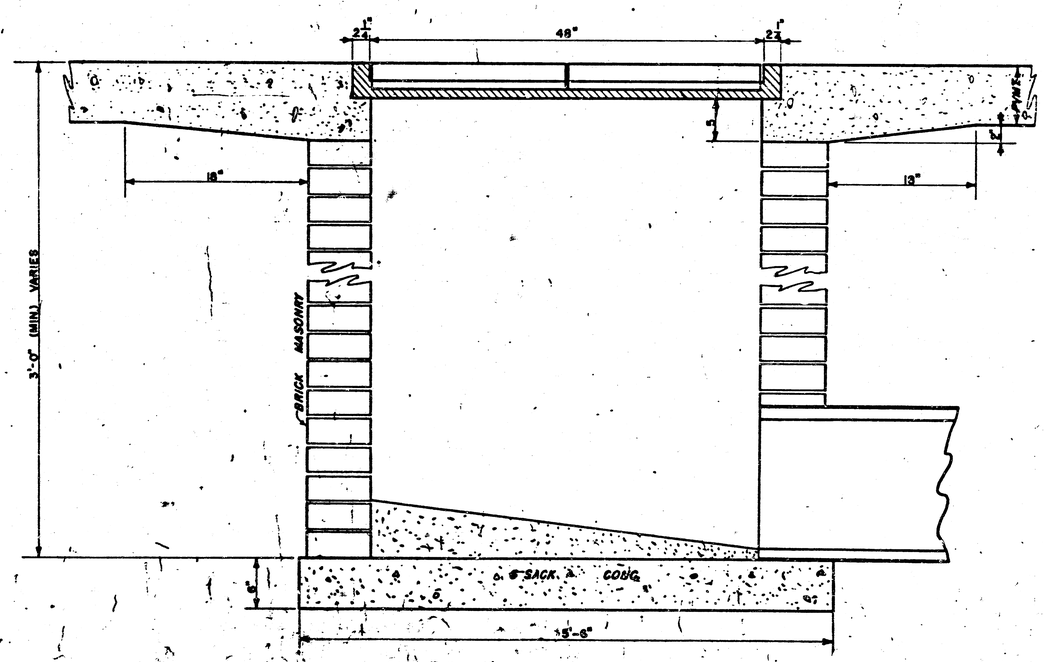


24"x24" Frame & Grate Detail

Double 24"x24" Frame Detail







DROP INLET DETAILS

Project: Storm Water Sewer
Project No.
Date: August 1984
Scale: 1 8-1/2" = 1'-0"

SHEET 3 OF 3

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