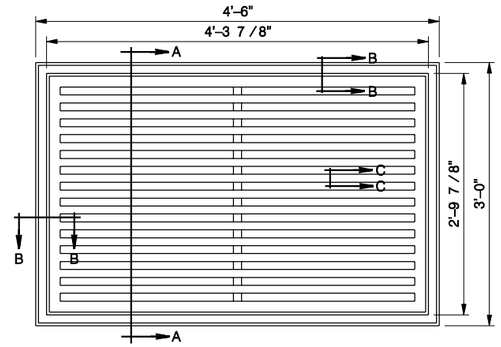
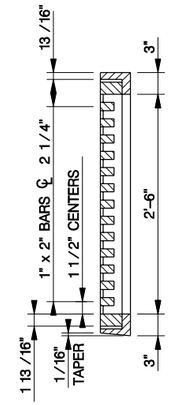
USER: SIECAW
DATE: Friday, March 17, 2006
DGN: ...\standard\2006\lsp130.dgn

CITY OF LINCOLN NEBRASKA	CITY PROJECT NO.	SHEET NO.
	LSP	1
Date: 03-2006	Drawn: CAW	
Scale NONE	Checked:	
	Approved:	

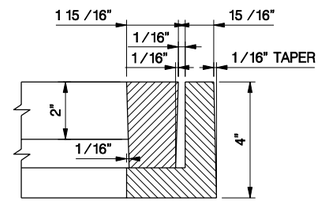


NOTE: CLEAR OPENING = 5.5 SQ.FT.

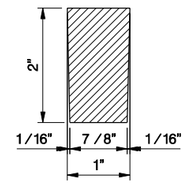
TYPE 'H' GRATE AND FRAME



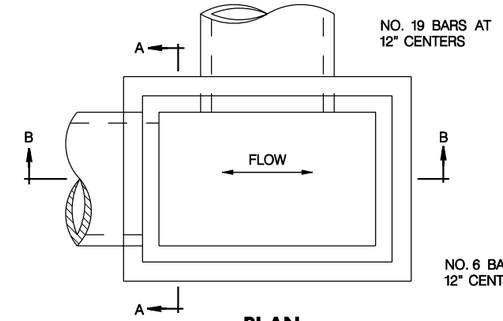
SECTION A-A



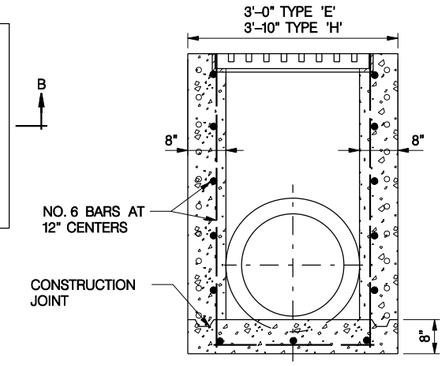
SECTION B-B



SECTION C-C

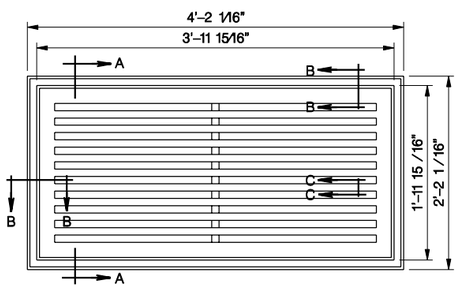


PLAN



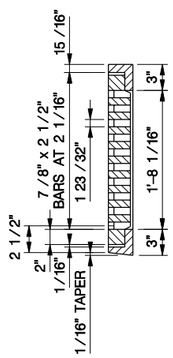
SECTION A-A

APPROX. QUANTITIES FOR DRAINAGE INLETS				
'X' Depth	Type 'E'		Type 'H'	
In Ft.	CONC. CU. YDS.	REINF. STL. LBS.	CONC CU. YDS.	REINF. STL. LBS.
3.0	1.4	135	1.7	169
4.0	1.7	171	2.1	212
5.0	2.0	207	2.5	256
6.0	2.4	243	2.9	299
7.0	2.7	279	3.3	342
8.0	3.0	315	3.7	385
9.0	3.4	351	4.1	428
Add 0.1	0.033	3.6	0.040	4.3
EACH INLET SHALL INCLUDE A CAST IRON GRATE AND FRAME.				
TABLE DOES NOT INCLUDE DEDUCTIONS FOR PIPE OPENING.				

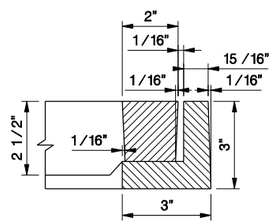


NOTE: CLEAR OPENING = 3.6 SQ.FT.

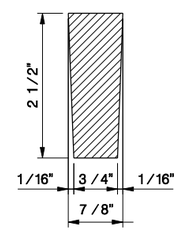
TYPE 'E' GRATE AND FRAME



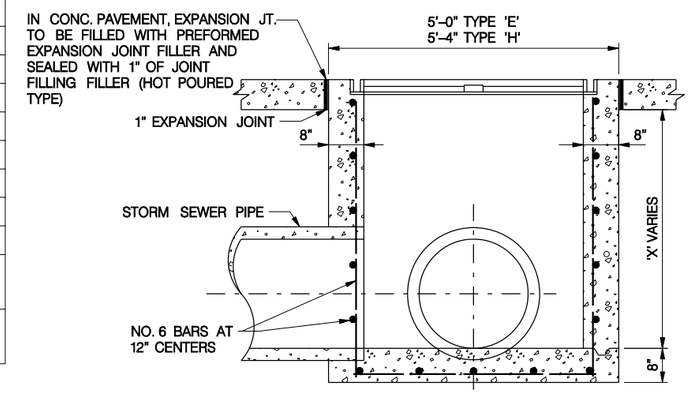
SECTION A-A



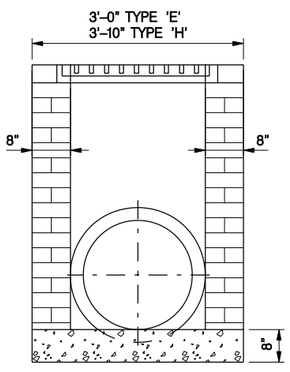
SECTION B-B



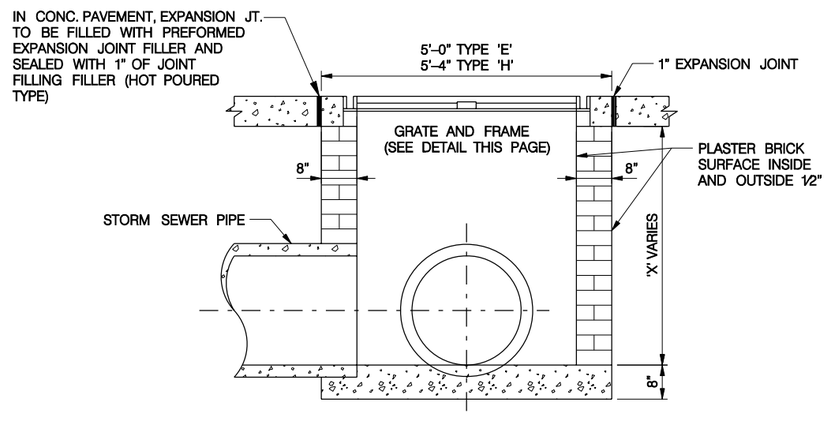
SECTION C-C



SECTION B-B
TYPE 'E_1' AND 'H_1' GRATE INLET



SECTION A-A
TYPE 'E_2' AND 'H_2' GRATE INLET



SECTION B-B
TYPE 'E_2' AND 'H_2' GRATE INLET

GENERAL NOTES:

ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO A.S.T.M. SERIAL DESIGNATION A-305-507 AND SHALL SATISFY THE BEND TEST REQUIREMENTS FOR STRUCTURAL GRADE STEEL IN ACCORDANCE WITH THE REQUIREMENTS.

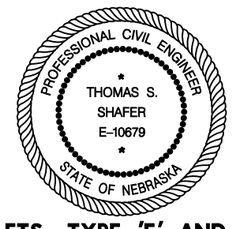
ALL CONCRETE SHALL BE L3500.

MINIMUM DEPTH OF EMBEDMENT FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE INDICATED.

ALL CASTINGS TO BE COATED WITH BITUMINOUS PAINT.

BRICK GRATE INLET SHALL NOT EXCEED 72"

ALL REINFORCING STEEL TO BE EPOXY COATED.



GRATE INLETS, TYPE 'E' AND 'H'
L.S.P. 130