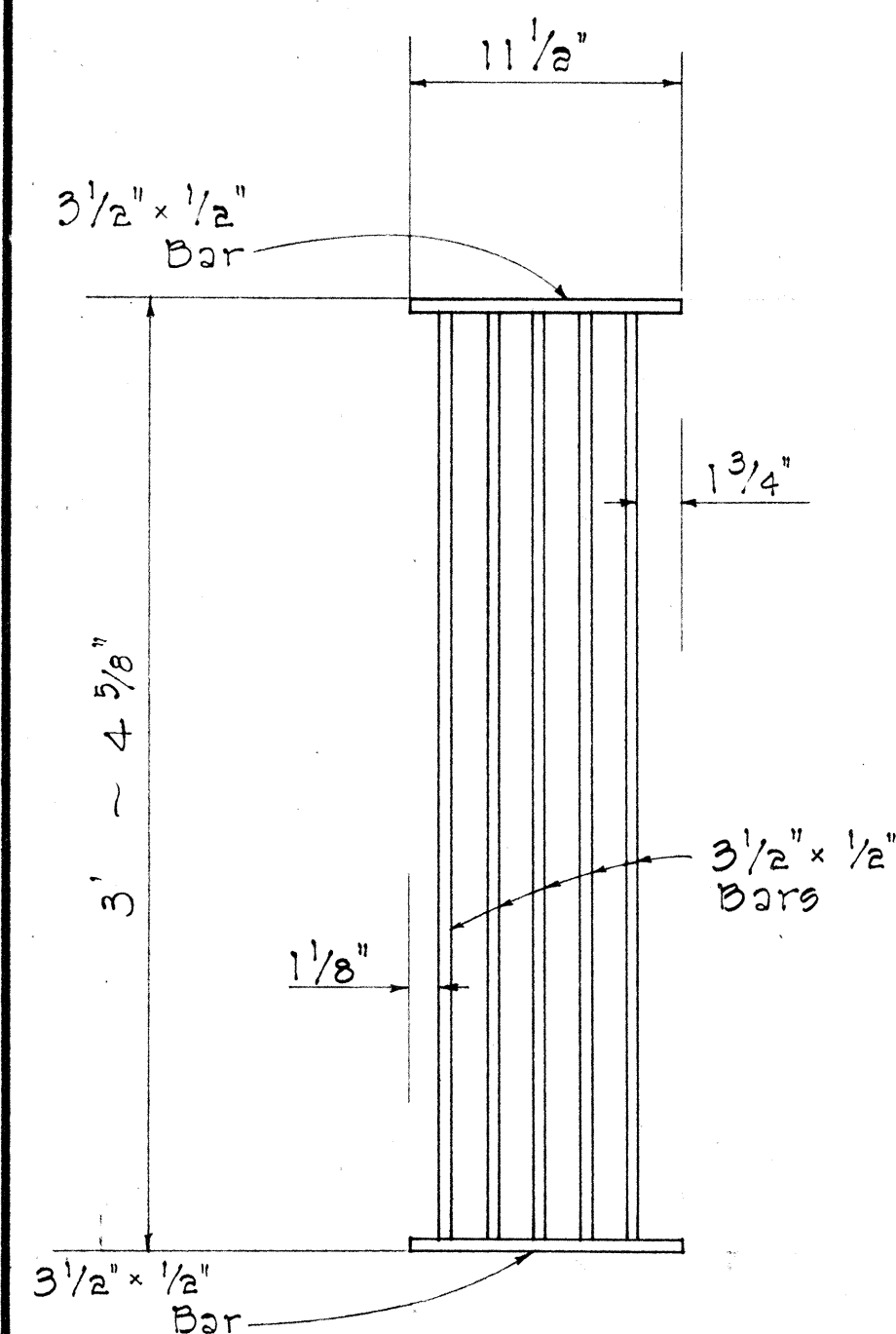


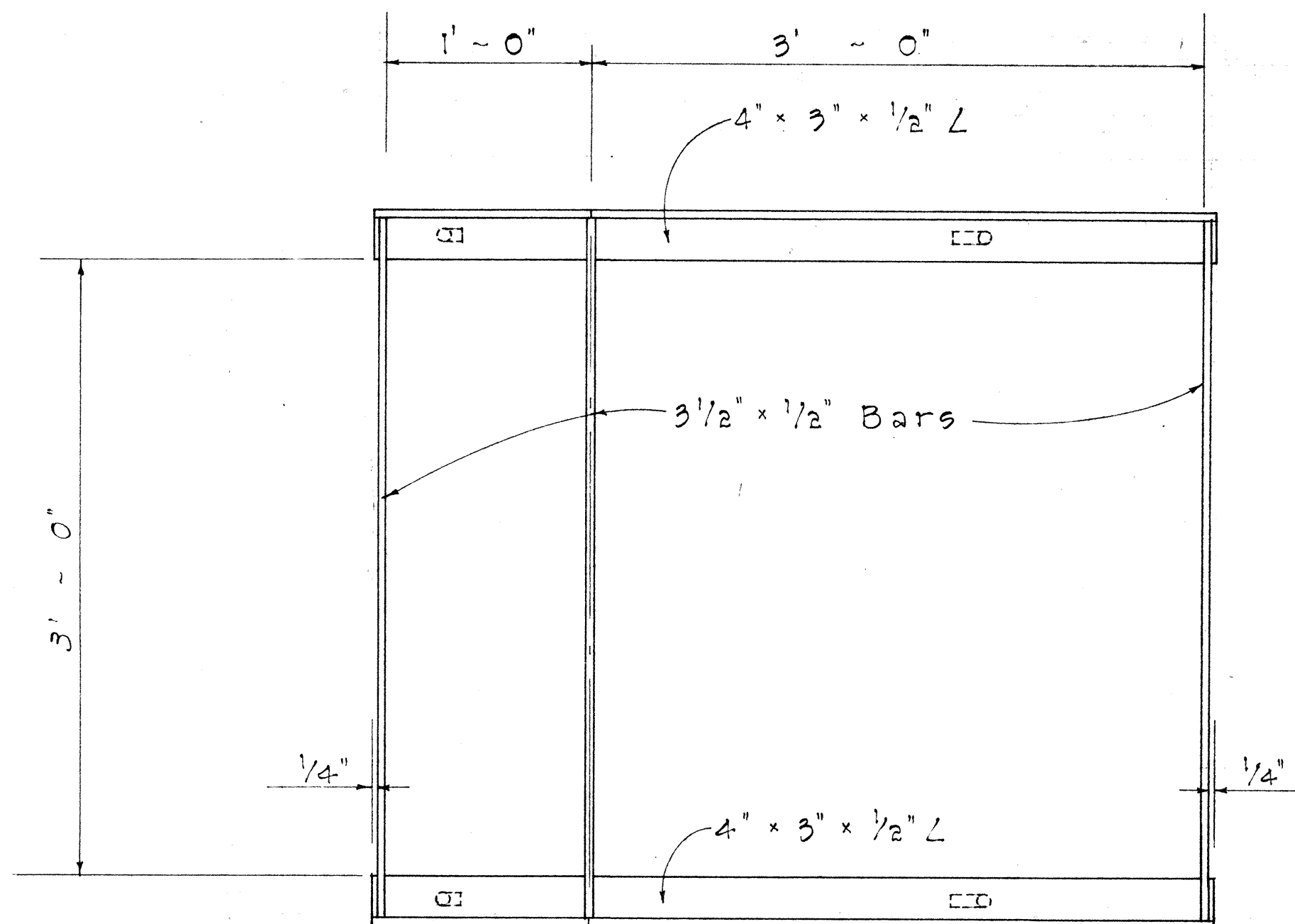
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		1969	34	73

PROJECT NO. 900B-02-68 UNIT 1



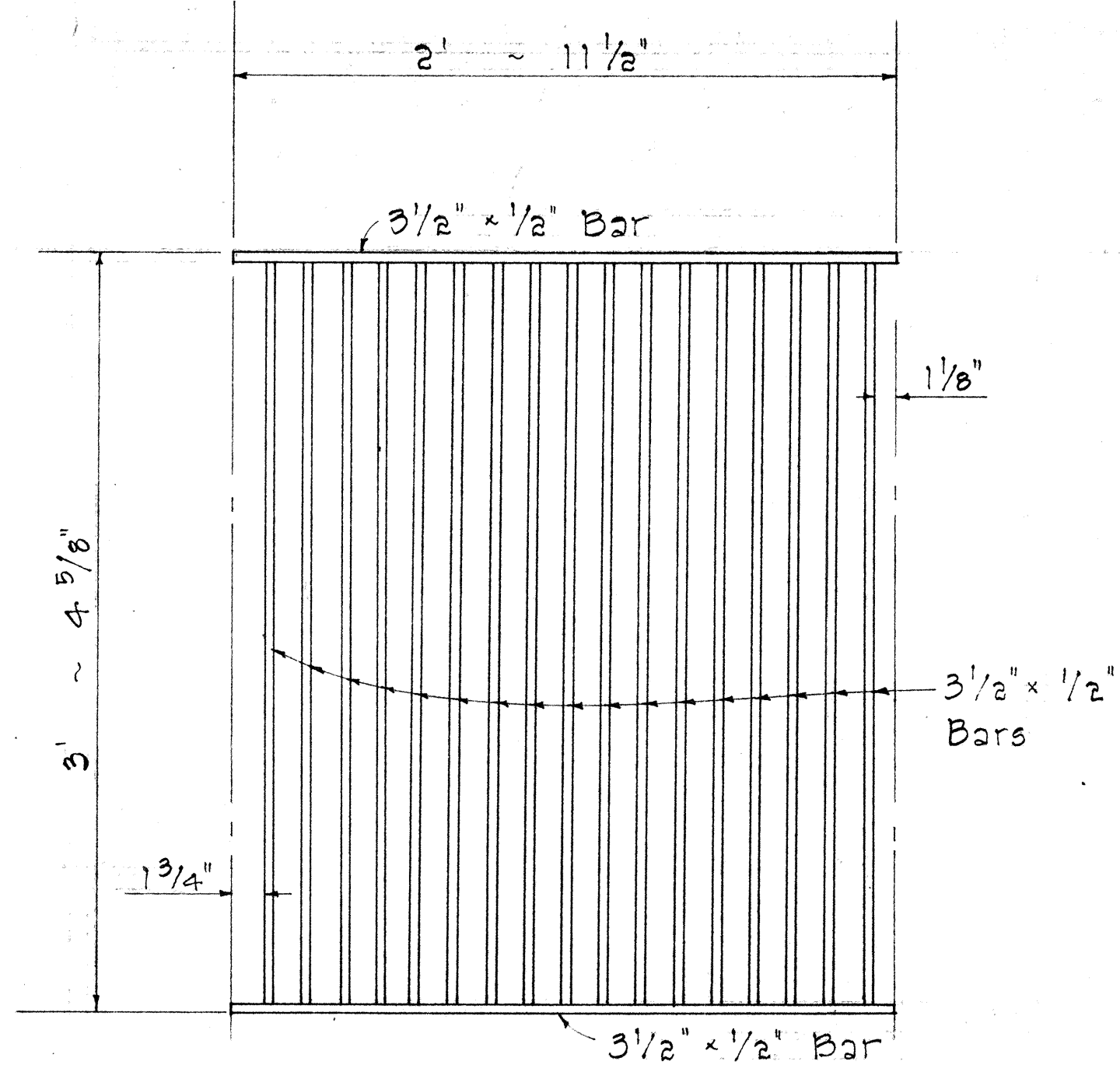
PLAN

Scale: 1 1/2" = 1'-0"



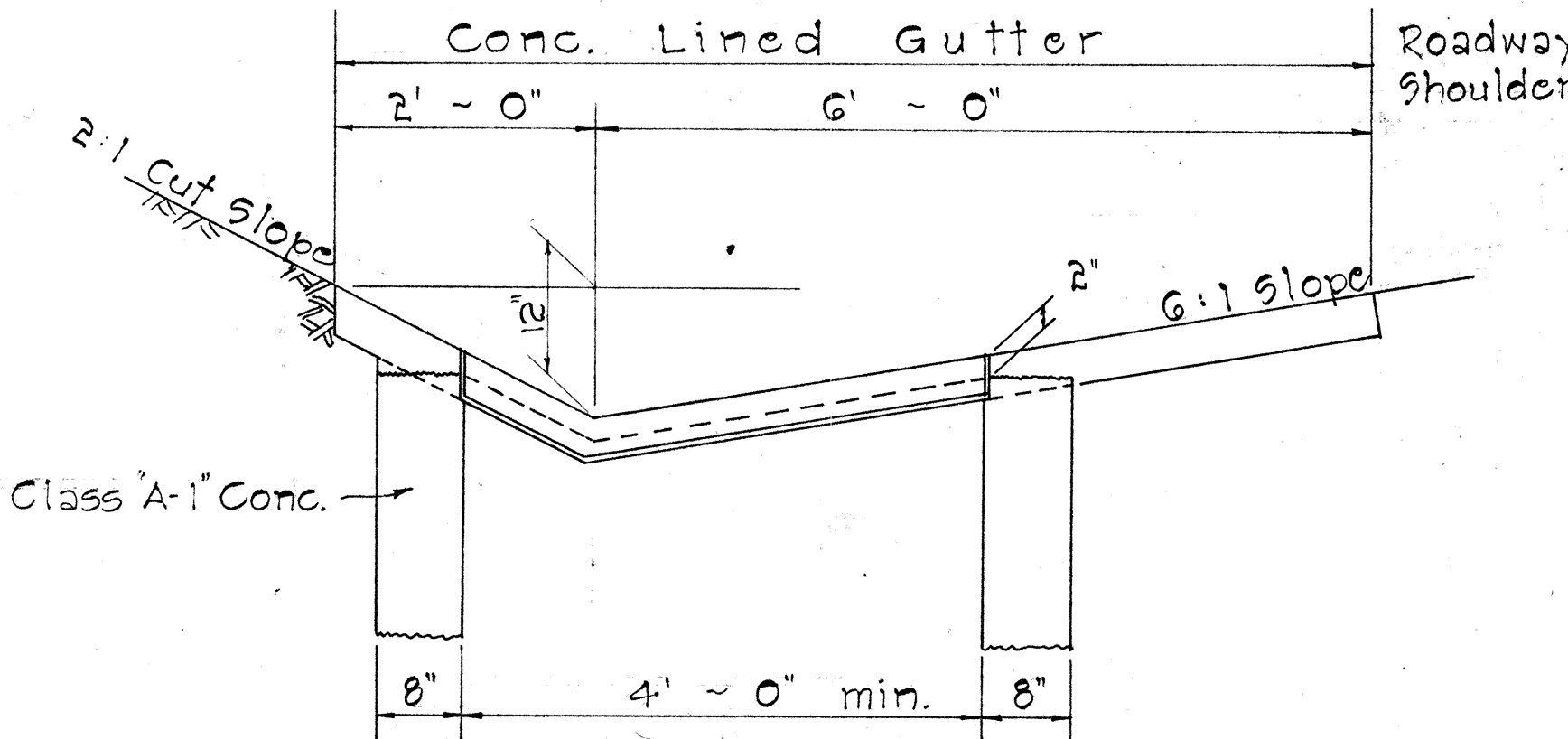
PLAN

Scale: 1 1/2" = 1'-0"



PLAN

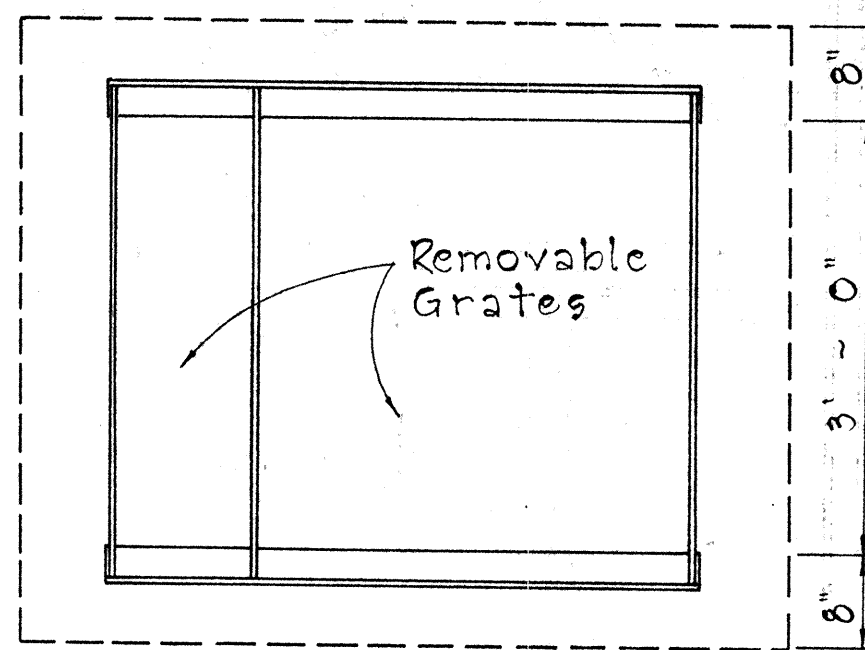
Scale: 1 1/2" = 1'-0"



SECTION VIEW

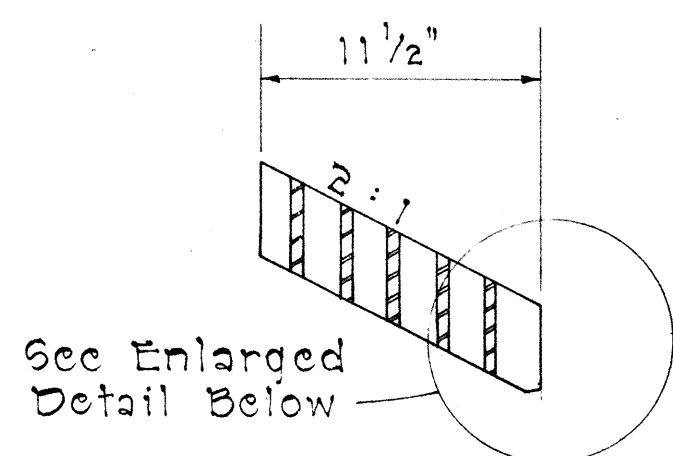
Scale: 3/4" = 1'-0"

8'-0" Conc. Lined Gutter Limits



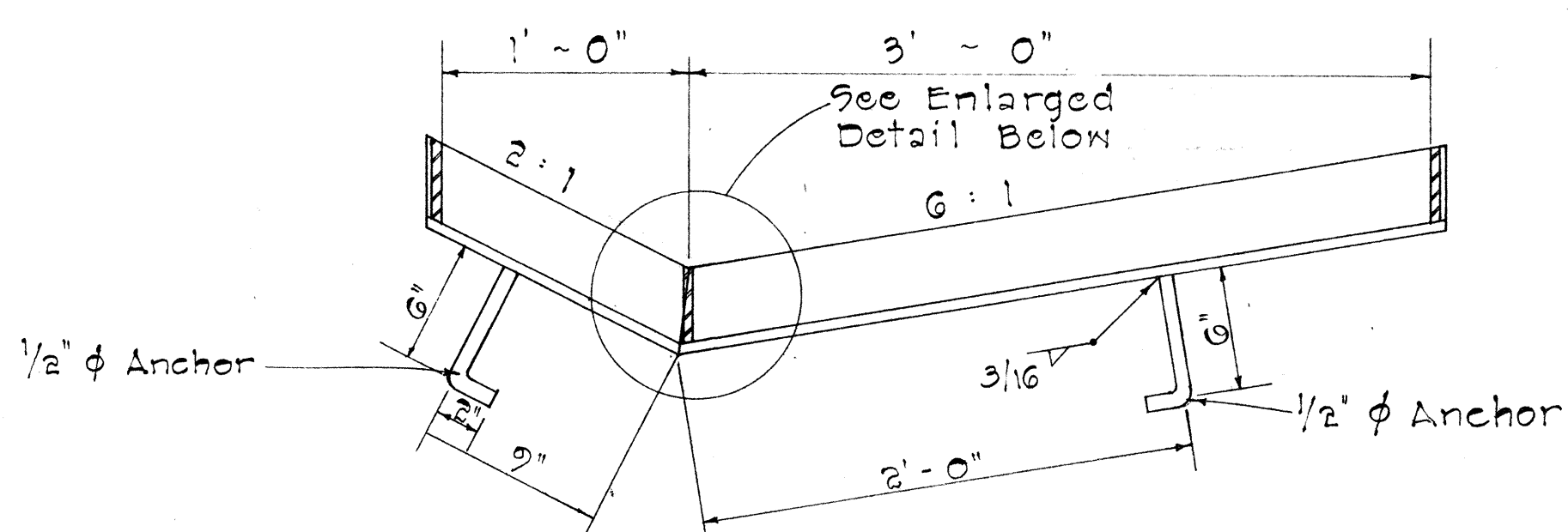
PLAN VIEW

Scale: 3/4" = 1'-0"



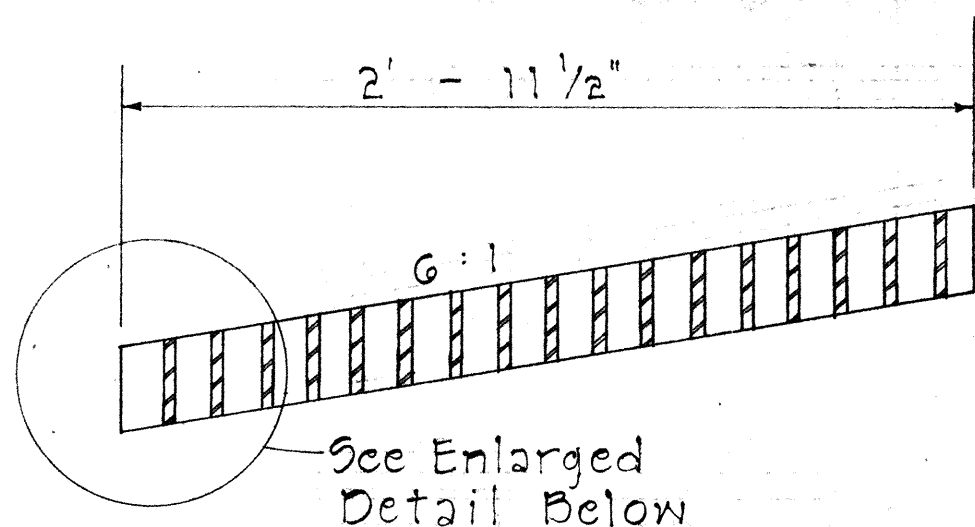
SECTION

Scale: 1 1/2" = 1'-0"



SECTION

Scale: 1 1/2" = 1'-0"



SECTION

Scale: 1 1/2" = 1'-0"

GENERAL NOTES

1. Contractor has the option of using welded steel grate.
2. Grates and Frames shall be hot dip galvanized after fabrication, see specifications.
3. All welds 3/8" unless otherwise noted.
4. The various materials shall conform to the specifications of ASTM as listed in the following tabulation and the Standard Specifications.

Material	ASTM Designation
Structural Steel	A283, Grade D
Cast Steel	A27, Grade 65-35
Malleable Iron Casting	A47, Gr. No. 35018

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS
FOR TYPE 6121 GRATED
CONC. DROP INTAKE

Scale: As Shown Date:

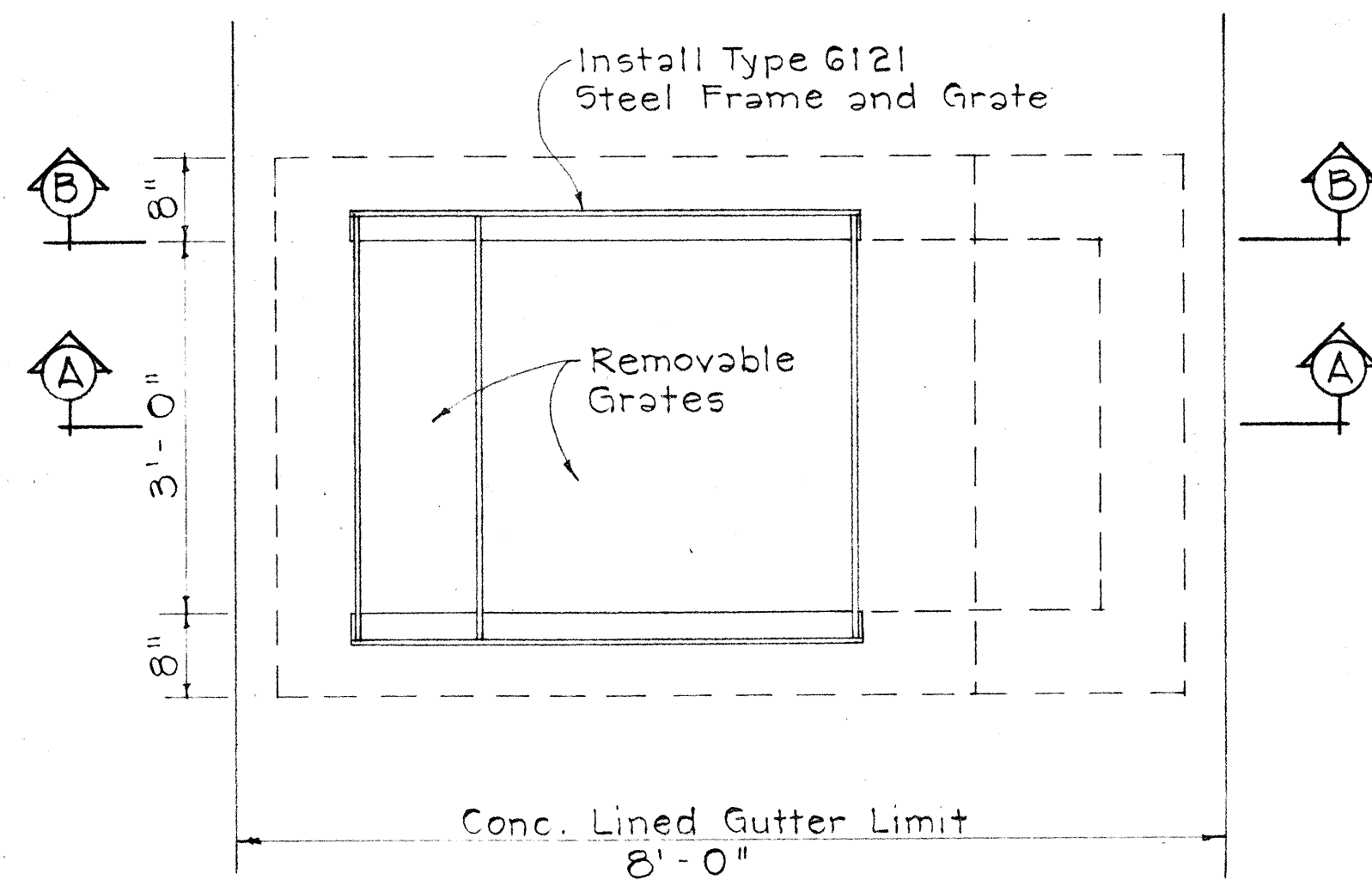
SHEET No. 1 OF 5 SHEETS

DETAIL OF TYPE 6121 STEEL FRAME AND GRATE

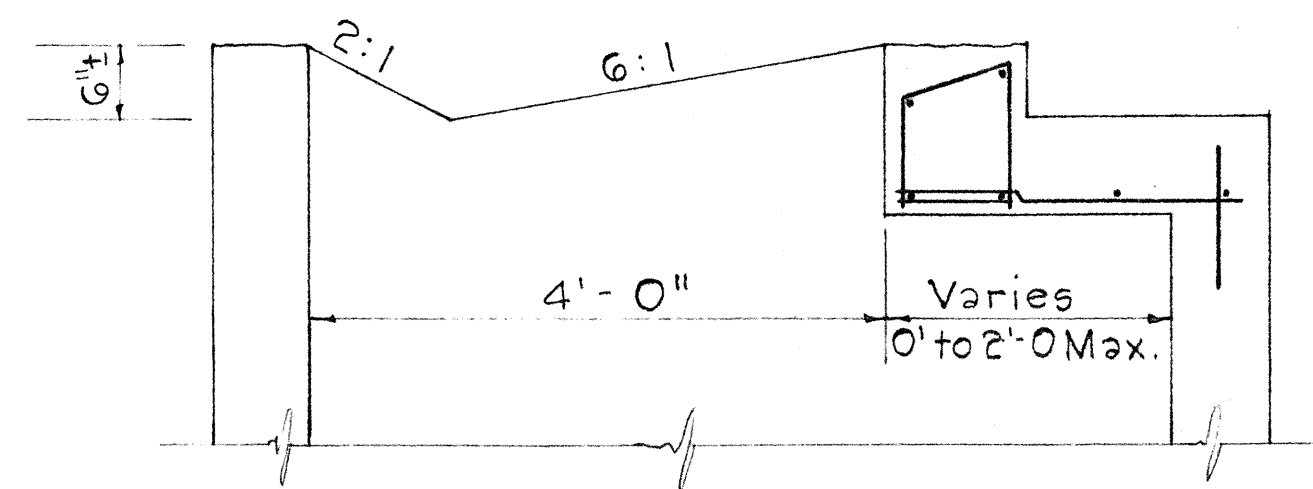
DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
NOTE BOOK	_____
CHECKED BY	_____
No.	_____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		1969	35	73

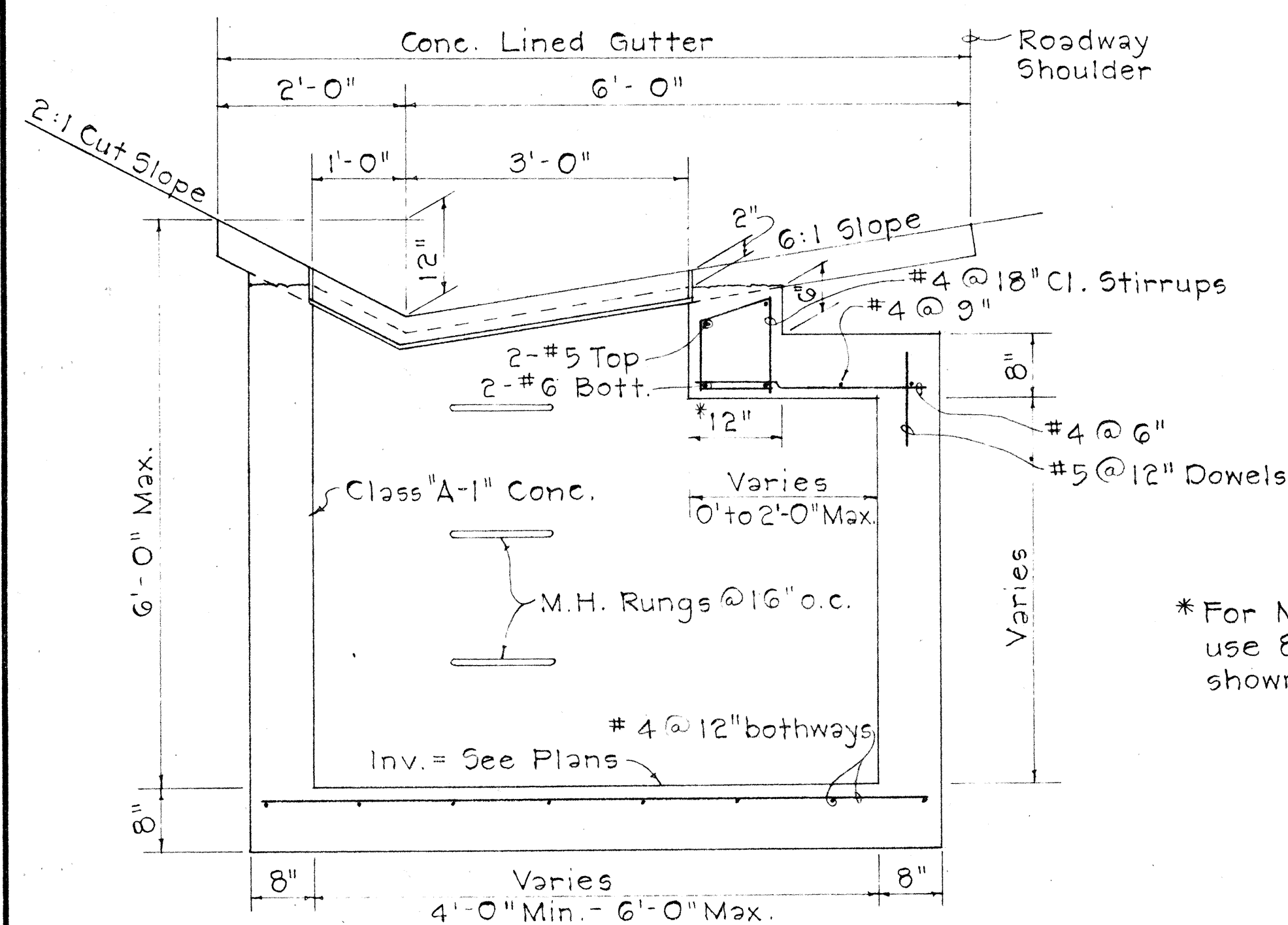
PROJECT NO. 900B-02-68 UNIT 1



PLAN



SECTION "B-B"
(OPPOSITE WALL SIMILAR)



SECTION "A-A"

*For Minimum size box of 4'-0" only use 8" and eliminate reinforcing steel shown in the top portion.

NOTE:

Culvert shall leave C.D.I. from any position and any direction indicated by plans or ordered by the Engineer. Culvert may both enter and leave C.D.I. so that C.D.I. will act as manhole.

DETAILS OF CONCRETE DROP INTAKE FOR TYPE 6121 STEEL FRAME & GRATE

Scale: 3/4" = 1'-0"

STATE OF HAWAII	
DEPARTMENT OF TRANSPORTATION	
HIGHWAYS DIVISION	
DETAIL OF	
CONCRETE DROP INTAKE	
FOR	
TYPE 6121 STEEL FRAME AND GRATE	
Scale: As Shown	Date: Jan. 1969
SHEET No. 2 OF 5 SHEETS	