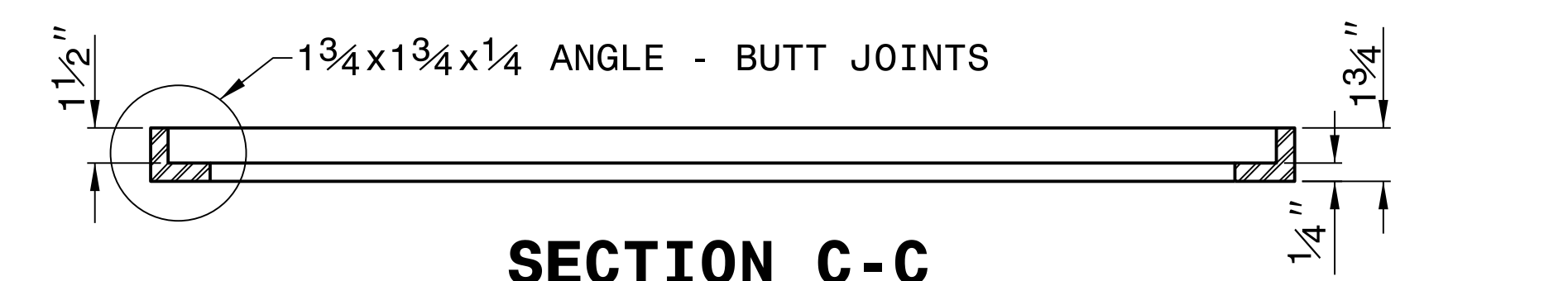
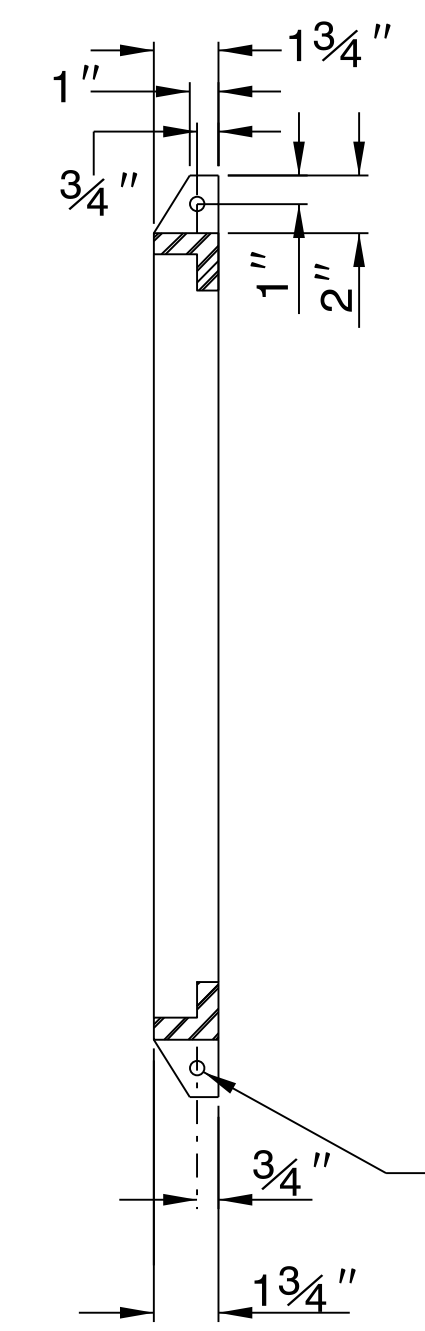


PLAN VIEW



**SECTION C-C
FRAME**

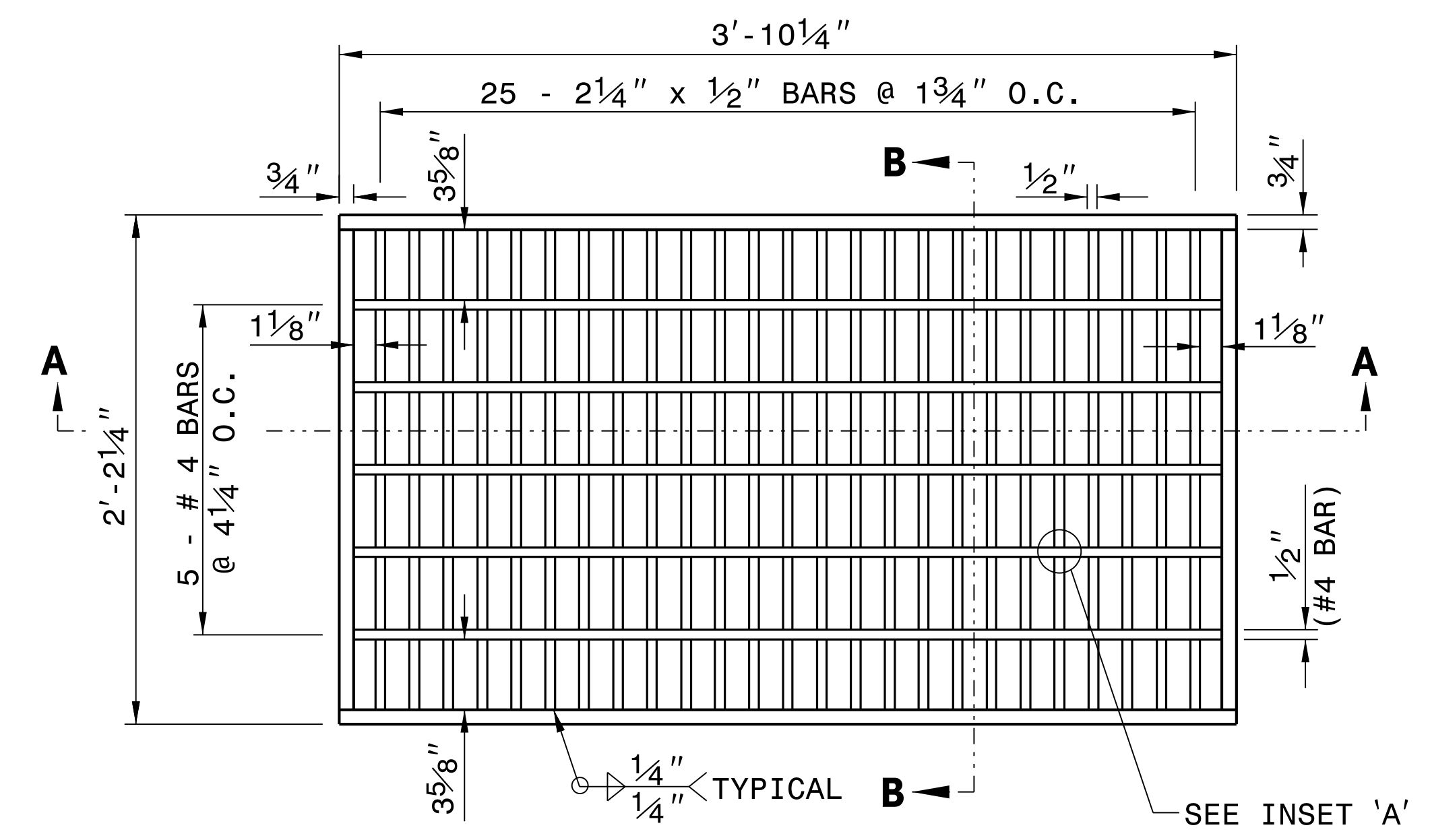


SECTION 'D-D'

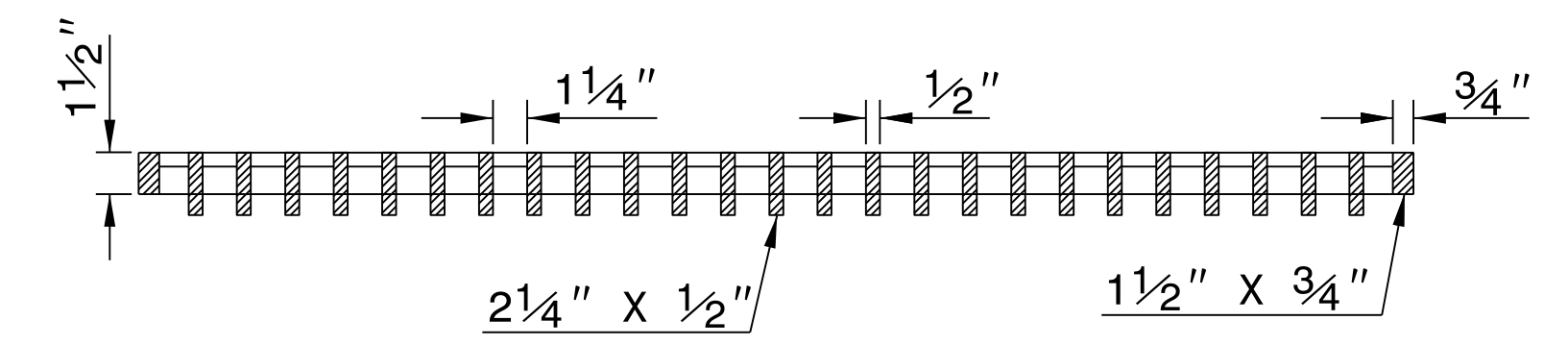
1/2" DIA. HOLE FOR
3/8" DIA. CONCRETE
ANCHOR (4 REQUIRED)
(SEE STANDARD 840.25
FOR FRAME ANCHORAGE)

NOTES:

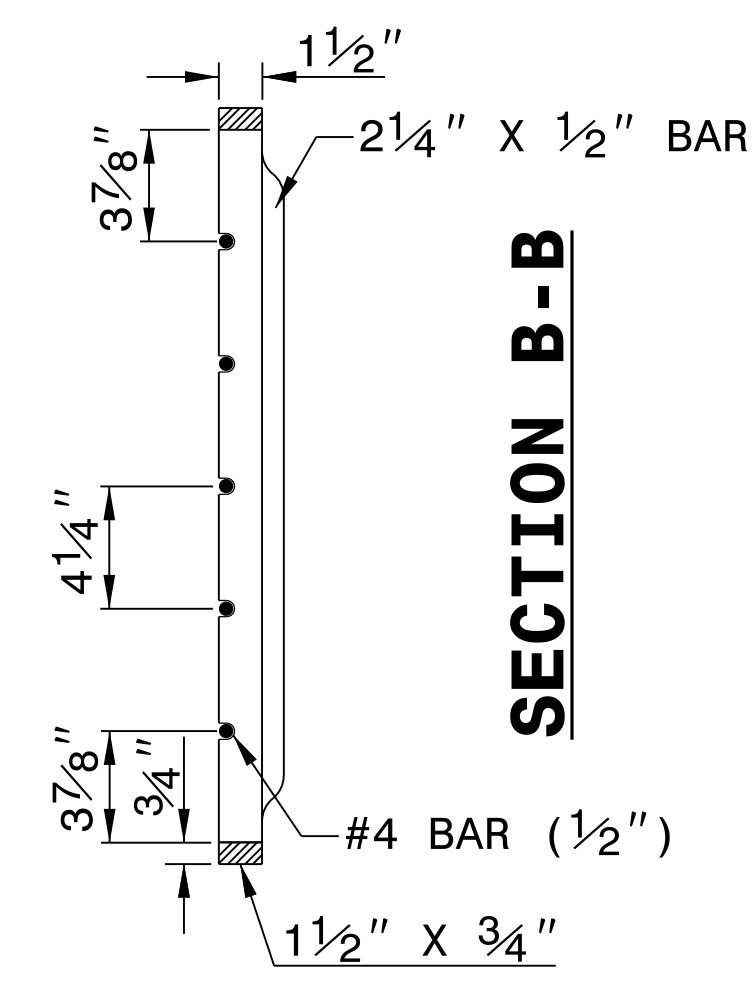
1. HOT DIP GALVANIZE FRAME AND GRATE IN ACCORDANCE WITH ASTM DESIGNATION A-123 AND AASHTO M-111.
2. GRATE SHOULD MEET HS-20 LOADING.
3. PROVIDE STEEL CONFORMING TO THE REQUIREMENTS OF A.S.T.M. DESIGNATION A-36.
4. WELD IN ACCORDANCE WITH THE ANSI/AASHTO/AWS D1.5 WELDING CODE. SEAL WELD ALL CONNECTIONS ALONG TOP AND BOTTOM HORIZONTAL SEAMS OF CONNECTIONS IN ADDITION TO ANY REQUIRED STRUCTURAL WELDS.
5. SEE STANDARD DRAWING 840.25 FOR FRAME ANCHORAGE.



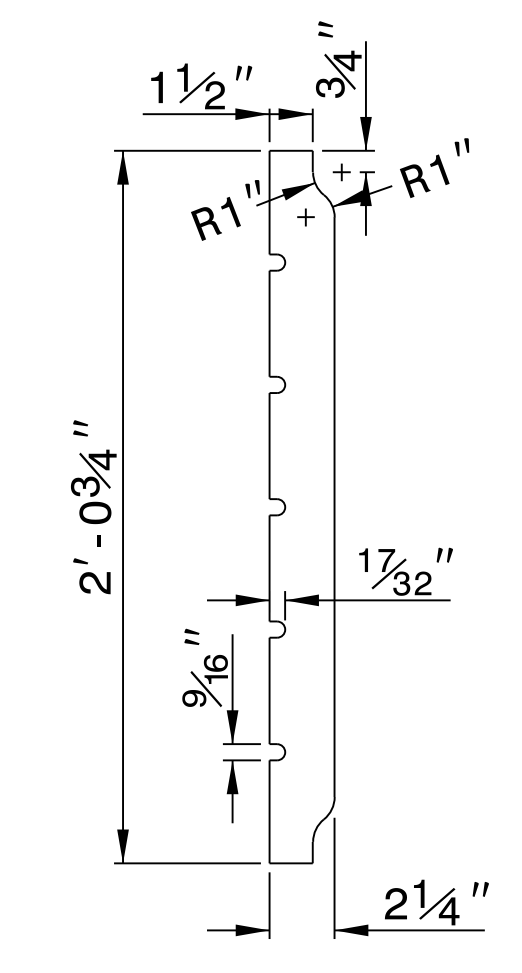
PLAN VIEW



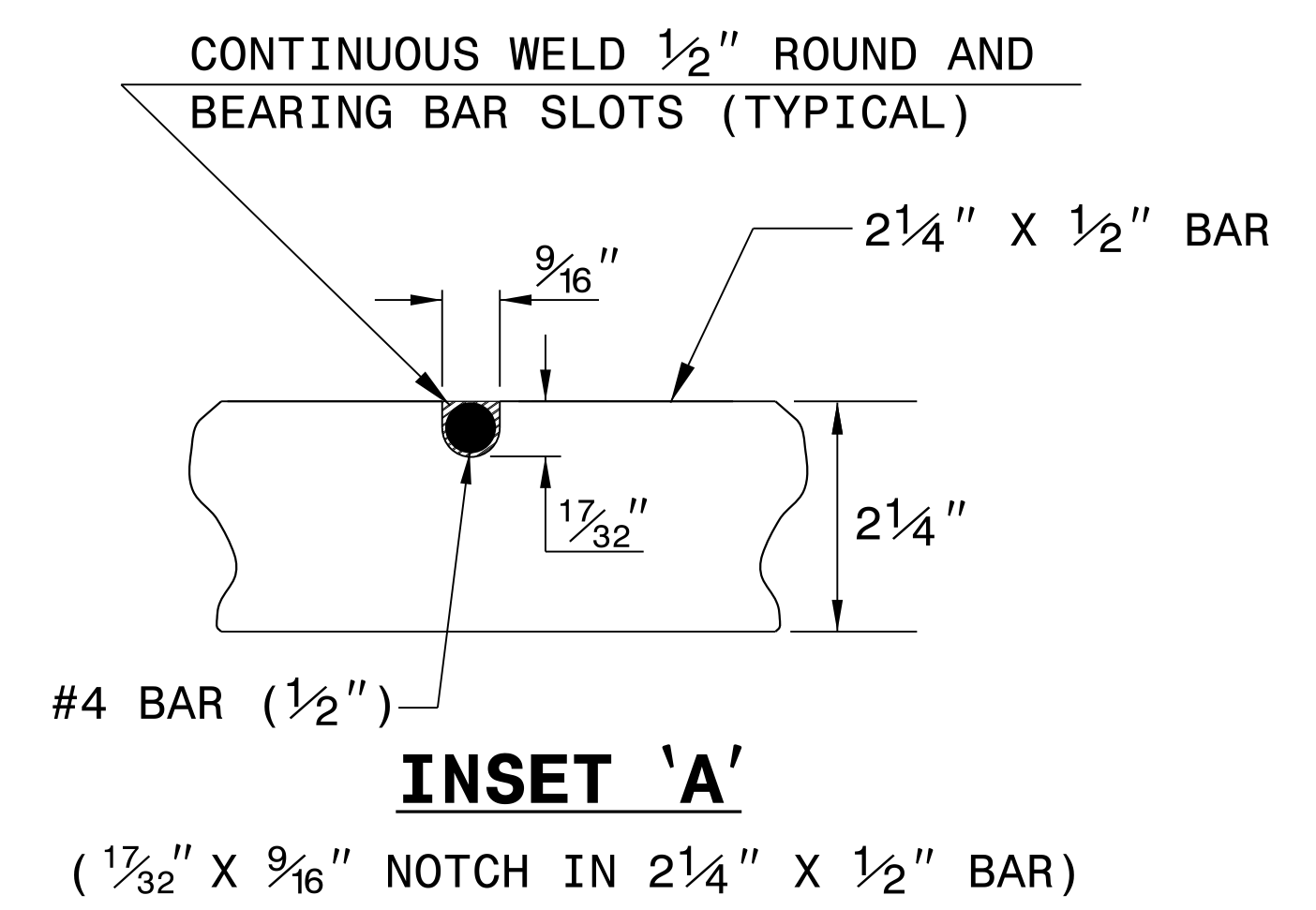
**SECTION A-A
GRATE**



SECTION B-B

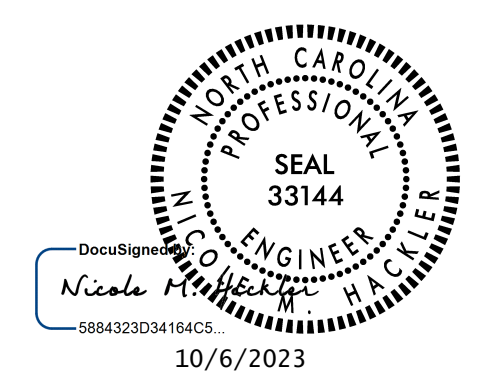


DETAIL OF BEARING BAR



INSET 'A'

I:\MAY-2018_08138_S:\Contracts\Special_Details\verticalword\usr\details\stand\bicyclesafe.dgn
J:\power\ton AT_CSD-212595



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

REVISED 10-10-02
FOR HS-20 LOADING

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950 FAX 919-250-4119	
BICYCLE SAFE STEEL GRATE AND FRAME	
ORIGINAL BY: E.E. WARD	DATE: 11-12-98
MODIFIED BY: E.E. WARD	DATE: 10-10-02
CHECKED BY:	DATE:
FILE SPEC.: /usr/stand/details/bicyclesafe.dgn	