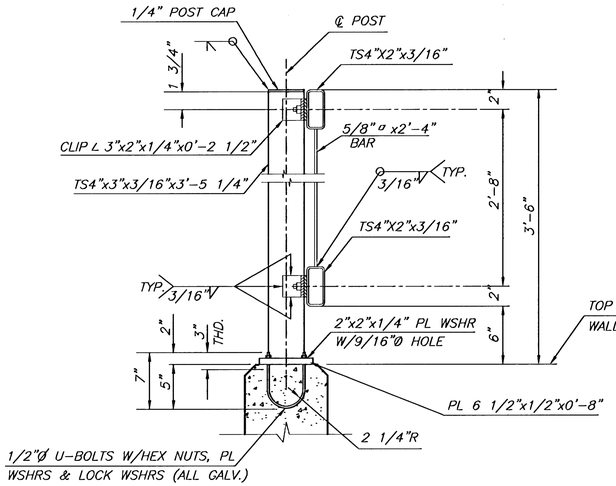
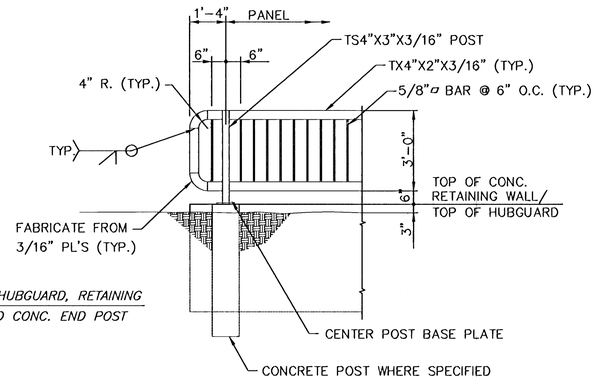
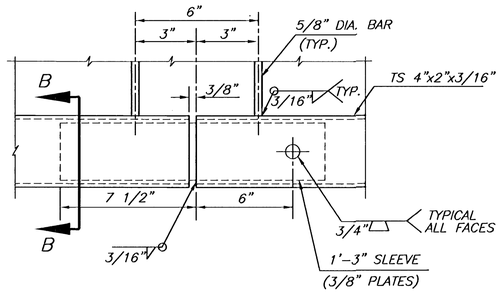


TYPICAL RAIL SECTION
NO SCALE



TYPICAL HANDRAIL PANEL DETAIL



SLEEVE DETAIL
NO SCALE
(BOTTOM RAIL SHOWN, TOP RAIL SIMILAR)

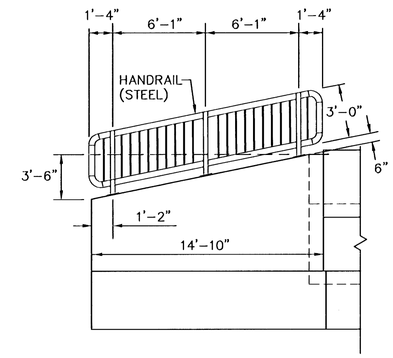
HANDRAIL NOTES:

1. The rail members shall conform to ASTM Designation A36 or equivalent.

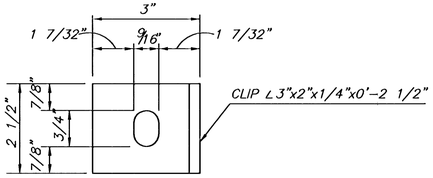
2. Rail shall be fabricated in lengths to include a minimum of two and a maximum of three panels. Posts shall be set vertical. Shims may be used between concrete and base plates of posts.

3. All parts of Handrail shall be painted. The primer coat shall conform to the inorganic Zinc System. Surface preparation shall be in accordance with that for structural steel. The finish coat shall be in accordance with waterborne acrylic finish coat. All materials, equipment and labor necessary for the installation of the Handrail shall be subsidiary to the bid item "RCB Handrail".

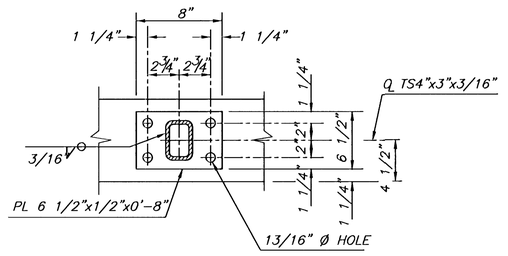
4. Paint shall be Tnemec semi-gloss Hunter Green (pl 20) or an equivalent approved by MKEC. Supply color chart to MKEC for approval prior to painting of handrail.



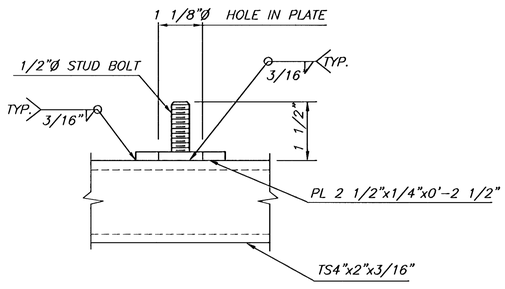
HANDRAIL ELEVATION - WINGWALLS
(2 REQUIRED)



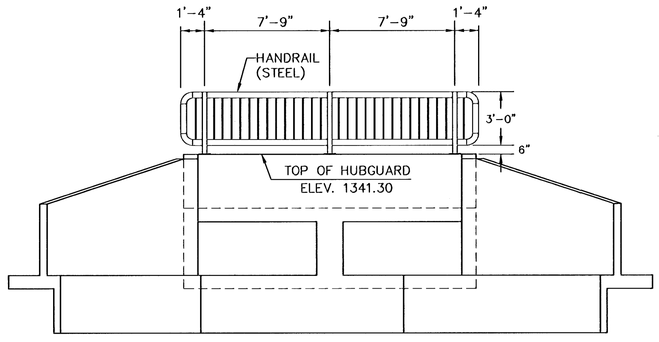
CLIP DETAIL
NO SCALE



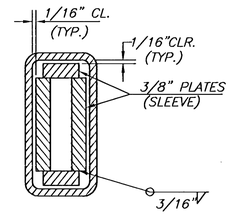
BASE PLATE DETAIL
NO SCALE



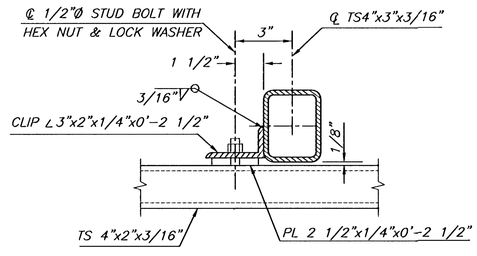
STUD BOLT DETAIL
NO SCALE



HANDRAIL ELEVATION - HUBGUARD
(2 REQUIRED)



SECTION B-B
NO SCALE



RAIL CONNECTION DETAIL
NO SCALE

H:\CIVIL\95058\02172\DWG\SWS\ZELTA\RCB\02172D09

MKEC ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

WOODLAND LAKES ESTATES THIRD ADDITION - ZELTA PHASE
PROJECT NAME

RCB HANDRAIL DETAILS
SHEET TITLE

DFL	DMU	GJA
DESIGN BY:	DRAWN BY:	CHECKED BY:
JULY 2003	02172	16 / 32
DATE	JOB NO.	SHEET/OF