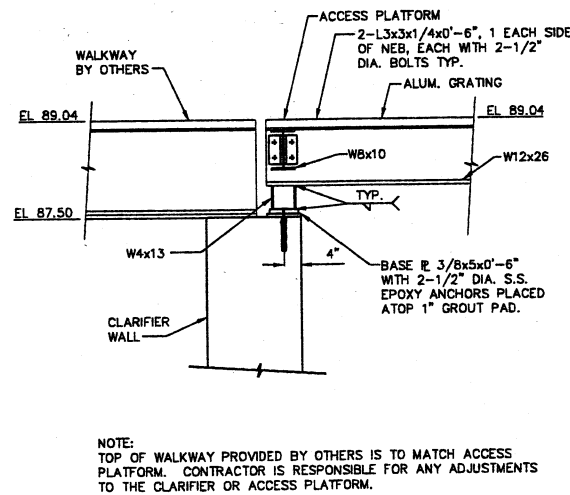




42" MIN.

ALUMINUM HANDRAIL
SIDE MOUNTED

KICK PLATE

ALUM. GRATING
EL. 89.04

2-L2x2x1/4x0'-6", 1 EACH SIDE
OF WB WEB, EACH WITH 2-1/2"
DIA. BOLTS, TYP.

W12x26

W6x10

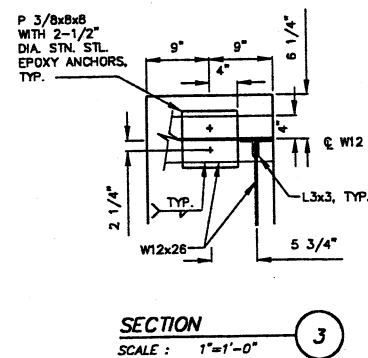
SECTION

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

D

NOTES:

1. ALL 3/4" DIA. BOLTS SHALL BE PLACED IN 7/8" x 1" SLOTTED HOLES TO ALLOW FOR MOVEMENT.
2. UNLESS INDICATED OTHERWISE, ALL SHAPES AND PLATES TO BE ASTM A36, AND ALL BOLTS SHALL BE ASTM A325.



SECTION F

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

SECTION G

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

2'-3"

2'-3"

2'-3"

4'-6"

16" DIA. COLUMN

8#5's WITH HOOKED DOWELS INTO BASE AND TOP BEAM, TYP.

#4 TIES @ 16" O.C.

SECTION

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

2

NOTE: HANDRAIL NOT SHOWN

1-1/2" ALLUM. GRATING

W12x26

EL. 89.04

TOP OF GRATING

1.3x3, TYP.

EL. 87.78, TOP OF CONCRETE

1" GROUT

3/8x8x8 TH 2-1/2" x 3TH. STL. OXY ANCHORS, P.

CONC. BEAM REINF. NOT SHOWN

SECTION

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

B

SECTION _____ (B)
SCALE : 3/4" = 1'-0"

ENVIRONMENTAL, INC.
ENGINEERS IN WATER AND EARTH SCIENCES
UNIONTOWN, OHIO

JOB NO. **E9031**
DATE **08/13/01**
SCALE
AS NOTED
SHEET
SP19A