CONCRETE BOX CULVERT
FOR
STANDARD WINGS
H = 4'-0"
SLOPE = 2:1

ASSEMBLED BY:  CCJ     10/99
CHECKED BY:  RWW   03/00

MATERIAL
À 1"  EXP. JT.

BAR TYPES

BAR NO.   LENGTH   TYPE   WEIGHT
H1     5'-2"   STR    55
H2     4'-3"   #4     23
H3     3'-3"   #4     87
H4     5'-7"   STR    30

N1     6'-4"   #4     17
N2     5'-6"   #4     29
N3     4'-8"   #4     25
N4     3'-10"  #4     20

T1     7'-0"   #5     88
V1     4'-3"   STR    11
V2     3'-6"   #4     19
V3     2'-8"   #4     14
V4     1'-10"  #4     10

Z1     4'-6"   #4     12
Z2     3'-11"  #4     21
Z3     3'-4"   #4     18
Z4     2'-7"   #4     14

REINFORCING STEEL
FOR 4 WINGS
CLASS A CONCRETE
493 LBS

4 -# 4  H 1  2 -# 4  H 2
1 0 -# 4  H 3

ALL BAR DIMENSIONS ARE OUT TO OUT.

FILL FACE
``N BARS''
``V BARS''
TOP OF FOOT.
``Z'' BARS @ 1'-0" CTS.
(E A . F A C E )

BILL OF MATERIAL
BAR   NO.   LENGTH   TYPE   WEIGHT
16    5'-2"   #4     55
8     4'-3"   #4     23
40    3'-3"   #4     87
8     5'-7"   #4     30
4      6'-4"   #4     17
8      5'-6"   #4     29
8      4'-8"   #4     25
8      3'-10"  #4     20
12     7'-0"   #5     88
4      4'-3"   STR    11
8      3'-6"   #4     19
8      2'-8"   #4     14
8      1'-10"  #4     10
4      4'-6"   #4     12
8      3'-11"  #4     21
8      3'-4"   #4     18
8      2'-7"   #4     14
4      4'-10"  #4     10
4      3'-10"  #4     20
4      2'-10"  #4     15
4      1'-10"  #4     10
4      1'-6"   #4     9
4      1'-10"  #4     10

90° SKEW
TYPICAL WING SECTION
ELEVATION
PLAN
TYPICAL WING SECTION

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FOR
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90° SKEW  SLOPE = 2:1