NOTES

1. ADDITIONAL CONCRETE AND REINFORCING STEEL REQUIRED FOR THE CONSTRUCTION OF THE PLASTER SHALL MEET THE SAME REQUIREMENTS AS THAT OF THE PARAPET WALL.

2. TOP OF PLASTER SHALL BE FINISHED TO A TRUE LEVEL AREA.

3. LIGHT POLE PLASTER IS DESIGNED TO RESIST WORKING LOADS IN ANY DIRECTION FROM THE LIGHT POLE APPLIED AT THE TOP OF THE PLASTER AS FOLLOWS:
   - CONSTITUTIONAL MOMENT = 40000 FT-LBS
   - TRANSVERSE MOMENT = 40000 FT-LBS
   - LIGHT SHEAR = 40000 PSI
   - TRANSVERSE SHEAR = 20000 PSI
   - AXIAL = 40000 LBS

   IF THE LIGHT POLE APPLIED LOADS THAT ARE IN EXCESS OF THOSE SHOWN ABOVE, THE CONTRACTOR SHALL DESIGN THE PLASTER AND SUBMIT HIS DESIGN TO THE DEPARTMENT FOR REVIEW. THE CONTRACTOR'S DESIGN SHALL BE APPROVED, DRAWN AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA, AND QUALIFIED TO PERFORM THE WORK.

4. The contractor is responsible for providing anchor bolts that will effectively transmit the light pole loads to the plaster and that will pass the reinforcing calculations signed and sealed by a professional engineer registered in the state of Florida. A data form shall be submitted by the contractor to the department for review and approval showing that these requirements have been met prior to construction.

5. STEEL FOR JUNCTION BOXES SHALL CONFORM WITH ASTM A536. THE BOXES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION. IN LEU OF STEEL BOXES, THE CONTRACTOR MAY SUBMIT FOR APPROVAL MOLDED PLASTIC BOXES (SCHEDULE 80).

6. ALL CONDUITS SHALL BE HOT DIP GALVANIZED STEEL OR SCHEDULE 80 P.V.C.

7. THE COST OF ANCHOR BOLTS SHALL BE INCLUDED IN THE BID PRICE FOR LIGHT POLES.


BAR BENDING DIAGRAMS

BILL OF REINFORCING STEEL

\[
\begin{align*}
\text{Bar} & \quad \text{Size} & \quad \text{No. of Bars} & \quad \text{Length} \\
400 & 4 & 2 & 6' - 5'' \\
4002 & 4 & 2 & 6' - 5'' \\
4003 & 4 & 1 & 6' - 5'' \\
4004 & 4 & 5 & 6' - 5'' \\
4005 & 4 & 2 & 6' - 5'' \\
4006 & 4 & 2 & 6' - 5'' \\
4008 & 4 & 2 & 6' - 5'' \\
\end{align*}
\]
SOIL GRID RELOCATION HARDWARE FOR SINGLE GRID PANEL
(AS REQUIRED)

TO BE SHOWN IN FIELD AFTER INSTALLATION

SECTION THRU BEAM (NO SCALES)

LONGITUDINAL BAR (lbs) WELDED TO BACK SIDE OF FLANGE

BEAM BAR WELDED TO ENDS OF FLANGE

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
RETAINING WALL SYSTEM
THE NEEL COMPANY ISOGRID
HH-I
HORZ-HALF PANEL - ONE GRID
ELEVATION (NEAR FACE)

HH-2
HORZ-HALF PANEL - TWO GRID
ELEVATION (NEAR FACE)

VH-I
VERT-HALF PANEL - ONE GRID
ELEVATION (NEAR FACE)

VH-2
VERT-HALF PANEL - TWO GRID
ELEVATION (NEAR FACE)

QP-R
TOP RIGHT / BOTTOM LEFT
QUARTER PANEL - ONE GRID
ELEVATION (NEAR FACE)

QP-L
TOP LEFT / BOTTOM RIGHT
QUARTER PANEL - ONE GRID
ELEVATION (NEAR FACE)

NOTE:
- EXTERIOR DIMENSIONS ARE THE SAME AS HH-1
- EXTERIOR DIMENSIONS ARE THE SAME AS VH-1
- EXTERIOR DIMENSIONS ARE THE SAME AS QP-R AND QP-L

WELDED WIRE PANEL REINFORCEMENT (TP)

QP-R COVER AT CONNECTION INSERT

QP-L COVER AT CONNECTION INSERT

INSERT - 1-3/8" (TYPE 2)

INSERT - 1-3/8" (TYPE 2)

NOTE:
- EXTERIOR DIMENSIONS ARE THE SAME AS HH-1
- EXTERIOR DIMENSIONS ARE THE SAME AS VH-1

FOR MATERIALS NOTES, SEE SHEET 2.
WELDED WIRE MESH PANEL REINFORCEMENT – X-3 AND X-3(2) PANELS

ELEVATION (REAR FACE)