BRIDGE DECK

¾" DIA LIQUID TIGHT FLEXIBLE CONDUIT, NOTE 1 (TYPICAL)

JUNCTION BOX, SS, 6" × 6" × 4"

1" DIA PVCC RGC CLAMPED TO STRUCTURE TO ADJACENT JUNCTION BOX

PIER/ABUTMENT MOUNTED UNDERPASS LUMINAIRE.

NOTE 3 (TYPICAL)

CONCRETE ABUTMENT

EDGE OF ROADWAY

SHOULDER

BRIDGE DECK

JUNCTION BOX, SS, 6" × 6" × 4" (TYPICAL)

1" DIA PVCC RGC CLAMPED TO STEEL BEAM TO ADJACENT PIER

STEEL BEAM (TYPICAL)

1" DIA LIQUID TIGHT FLEXIBLE CONDUIT, NOTE 2 (TYPICAL)

JUNCTION BOX, SS, 12" × 10" × 6"

JUNCTION BOX, SS, MOUNTED TO ABUTMENT WALL, DIMENSIONS OF JUNCTION BOX VARY. SEE PLAN DRAWINGS FOR JUNCTION BOX DIMENSIONS AT EACH LOCATION

1'-0"   1'-0"

PIER/ABUTMENT MOUNTED UNDERPASS LUMINAIRE.

1" DIA PVCC RGC MOUNTED ON TOP OF ABUTMENT WALL CLAMPED TO STRUCTURE (TYPICAL)

3" DIA PVCC RGC CLAMPED TO STRUCTURE

LUMINAIRE NUMBERING DECAL BRACKET.

PVC COATED CONDUIT CLAMP, SEE NOTE 4 (TYPICAL)

PVC COATED CONDUIT CLAMP, NOTE 4

CONCRETE ABUTMENT

DIRECTION OF TRAFFIC   SHOULDER   CNC TO RGC ADAPTER

GRADE

3" PVC ENCASED IN NON-REINFORCED CONCRETE. SEE NOTE 5

24" RADIUS ELBOW (TYPICAL)

12"

30" MIN

24"

1¼" DIA UNIT DUCT AS SHOWN ON PLANS (UNLESS OTHERWISE INDICATED)

TYPICAL PIER / ABUTMENT MOUNTED
UNDERPASS LIGHTING INSTALLATION DETAILS

HEXAGON HEAD BOLT ¼" DIA (3-REQUIRED)

ANCHOR AS APPROVED BY ENGINEER

ALUMINUM BUSHING ½" LONG

ALUMINUM BRACKET

4"   6"   120°   1/8"

TOP VIEW

1" 2" 1"

20"

2"   1" (TYPICAL)

ELEVATION
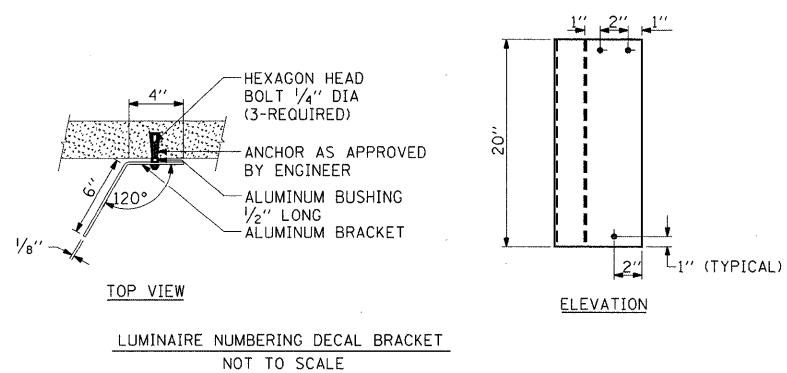
LUMINAIRE NUMBERING DECAL BRACKET
NOT TO SCALE
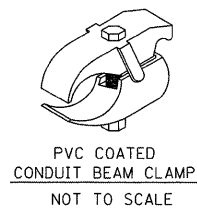
PVC COATED
CONDUIT BEAM CLAMP
NOT TO SCALE
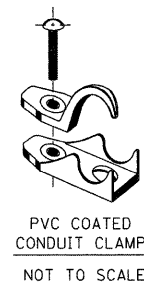
PVC COATED
CONDUIT CLAMP
NOT TO SCALE

NOTES:

1. LIQUID TIGHT FLEXIBLE METAL CONDUIT, MAXIMUM LENGTH 6'-0", TYPICAL FOR EACH INSTANCE AS SHOWN. PROVIDE PVC COATED RIGID GALVANIZED STEEL CONDUIT AS REQUIRED NOT TO EXCEED 6'-0" OF FLEXIBLE LIQUID TIGHT METAL CONDUIT. LIQUID TIGHT FLEXIBLE METAL CONDUIT WILL BE INCLUDED IN THE COST OF THE CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED PAY ITEM EXCEPT THAT THE COST OF THE ¾" DIA. RIGID STEEL CONDUIT AND ¾" DIA. FLEXIBLE CONDUIT SHALL BE INCLUDED IN THE LUMINAIRE INSTALLATION.

2. UNDERPASS LUMINAIRE MOUNTED TO FACE OF PIER OR ABUTMENT WALL. MOUNTING HEIGHT OF 1" BELOW THE TOP OF PIER OR ABUTMENT WALL TYPICAL FOR ALL PIER/ABUTMENT MOUNTED UNDERPASS LUMINAIRES UNLESS OTHERWISE NOTED.

3. EXPANSION ANCHOR, POWDER ACTUATED FASTENERS WILL NOT BE ALLOWED. EXPANSION ANCHOR MUST BE SIZED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.

4. SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS SHALL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.

5. THE CONCRETE ENCASED CONDUIT TRANSITION SHALL BE INCLUDED IN THE COST OF THE GALVANIZED RIGID STEEL CONDUIT PAY ITEMS.

6. ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID STEEL CONDUIT (PVCC RGC) TYPICAL.