



LOOKING WEST

NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. MATERIAL (ASTM)
 - (1) PLATE & ANGLE : A36
 - (2) MACH. BOLT : A307-B
 - (3) ANCHOR BOLT : SEE REFERENCE DWG. M16 HILTI HSA OR EQUIVALENT
 - TENSILE CAPACITY : 28 kN
 - SHEAR CAPACITY : 40.8 kN
 - (4) CONCRETE :
 - COMPRESSIVE STRENGTH $f'_c = 21 \text{ MPa}$
 - (5) CEMENT BASED GROUT :
 - COMPRESSIVE STRENGTH = 35 MPa
 - (6) PAVING THICKNESS CONSIDERED : 150MM
 - (7) MISC.FOUNDATION : AS PER CIVIL TEAM
 - (8) SOIL BEARING CAPACITY : 120 kN/m
3. GUIDE PLATES SHOULD BE FABRICATED ONLY IN THE DIRECTION SPECIFIED ON ISOMETRIC DRAWING AND MAX. 3mm CLEARANCE TO PREVENT UNEXPECTED STICKING.
4. REFERENCE DWG
BOLT : L - L24A
5. DO NOT USE ANCHOR TYPE (A)
IF NEED TO USE THIS TYPE,
CONSULT WITH STRESS ENGINEER.
6. DESIGN CALCULATION AND INSTALLATION OF THE EXPANSION ANCHORS SHALL COMPLY BY THE GUIDELINES AND PROCEDURES SET BY THE MANUFACTURER.
7. SURFACE OF PAVE, BENETH THE PEDESTAL SHALL BE ROUGHENED AND CLEANED BEFORE GROUTING.
8. BASE PLATES SHALL BE ANCHORED TO THE CONCRETE PAVING BY HILTI HSA ANCHOR OR EQUIVALENT.
9. REQUIRED HILTI HSA BOLT LENGTH SHALL BE RECONFIRMED BY MANUFACTURER.

MFC PROJECT

GS Caltex Corporation
YEOSU, KOREA

GS Engineering & Construction

TITLE: SPECIAL PIPE SUPPORT
(712-SPS-4536)

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