



Mb 14

M1f

712-SPS-3119  
(H150x150x7x10)

TOS EL. 4000

4000 (BY FIELD)

BASE PLATE  
□ 350X350-12t  
(BY PIPING)

RIB PLATE-9t(TYP.)  
DETAIL "Z"

VIEW "B"

DETAIL "Z"

PLAN VIEW

VIEW "A"

GROUT  
BY PIPING

PAVED

LEVELING NUT

EXPANSION ANCHOR BOLT(TYP.)  
HILTI HSA M20x170 (NOTE 3)

## NOTES

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED.
2. MATERIAL (ASTM)  
RIB PLATE : A36 or EQUIVALENT
3. EXPANSION ANCHOR BOLT  
1) REFERENCE DWG  
BOLT : L - L24A  
2) THE INSERT DEPTH IS 110MM.  
HOWEVER IT COULD NOT BE LONGER THAN PAVED DEPTH-30MM.
4. DESIGN CALCULATION AND INSTALLATION OF THE EXPANSION ANCHORS SHALL COMPLY BY THE GUIDE-LINES AND PROCEDURES SET BY THE MANUFACTURER.
5. SURFACE OF PAVE, BENEATH THE PEDESTAL SHALL BE ROUGHENED AND CLEANED BEFORE GROUTING.
6. BASE PLATES SHALL BE ANCHORED TO THE CONCRETE PAVING BY HILTI HSA ANCHOR OR EQUIVALENT.
7. 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-3119)