

# NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.

2. MATERIAL (ASTM)

COLUMN : A53 Gr.B, STD OR EQ.  
PLATE : A36 or EQUIVALENT  
MACH. BOLT/NUTS (UPPER): A320 GB8 / A194 Gr8  
MACH. BOLT/NUTS (LOWER): A307 Gr.B  
ANCHOR BOLT : SEE REFERENCE DWG. L-L24A

3. STUB & PAD THICKNESS SHALL BE AS FOLLOWS

MAIN PIPE	STUB & COL'M
BELOW STD	THE SAME AS MAIN PIPE
STD & OVER	STD

7. DESIGN CALCULATION AND INSTALLATION OF THE EXPANSION ANCHORS SHALL COMPLY BY THE GUIDELINES AND PROCEDURES SET BY THE MANUFACTURER.

8. SURFACE OF PAVE, BENEATH THE PEDESTAL SHALL BE ROUGHENED AND CLEANED BEFORE GROUTING.

9. BASE PLATES SHALL BE ANCHORED TO THE CONCRETE PAVING BY HILTI HSA ANCHOR OR EQUIVALENT.

10. REQUIRED HILTI HSA BOLT LENGTH SHALL BE RECONFIRMED BY MANUFACTURER.

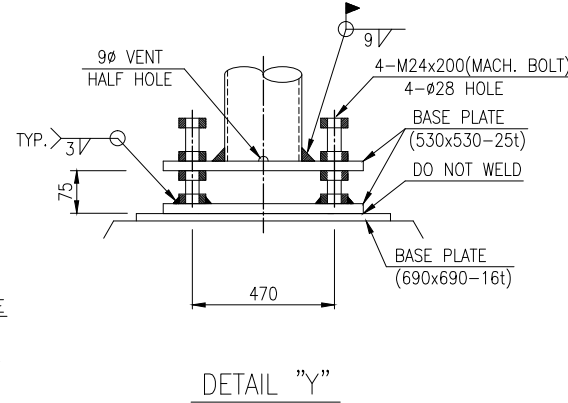
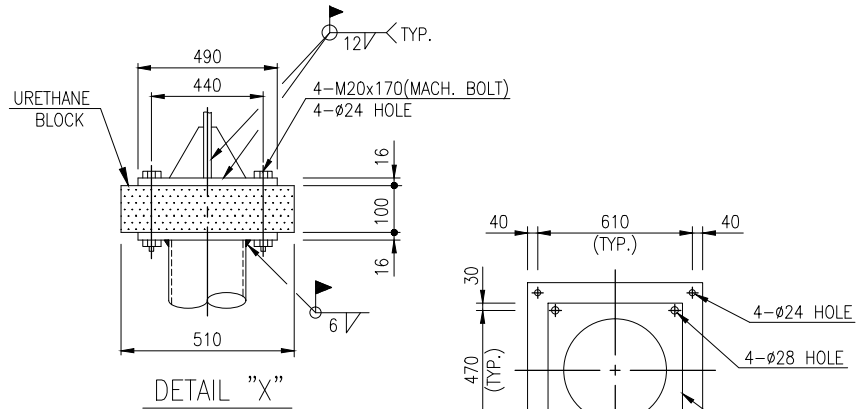
MFC PROJECT

**GS Caltex Corporation**  
YEOSU, KOREA

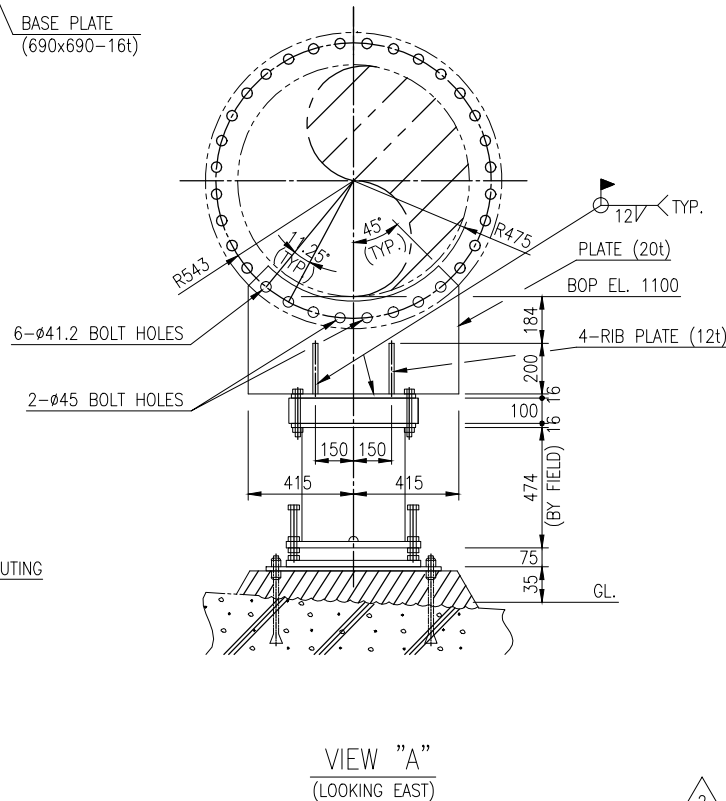
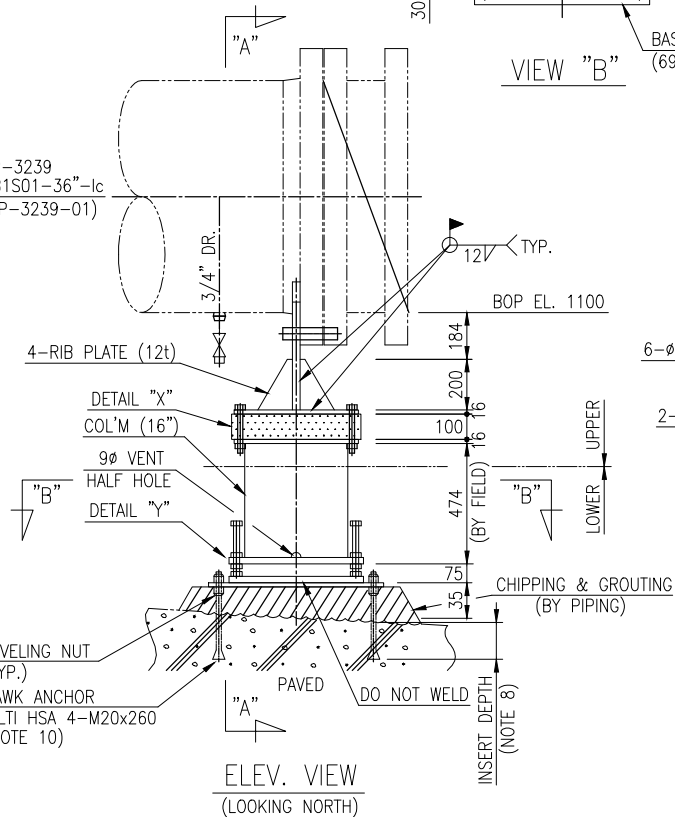
**GS Engineering & Construction**

TITLE: SPECIAL PIPE SUPPORT  
(712-SPS-3125)

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712-P-3239  
-01CB1S01-36"-lc  
(712-P-3239-01)



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