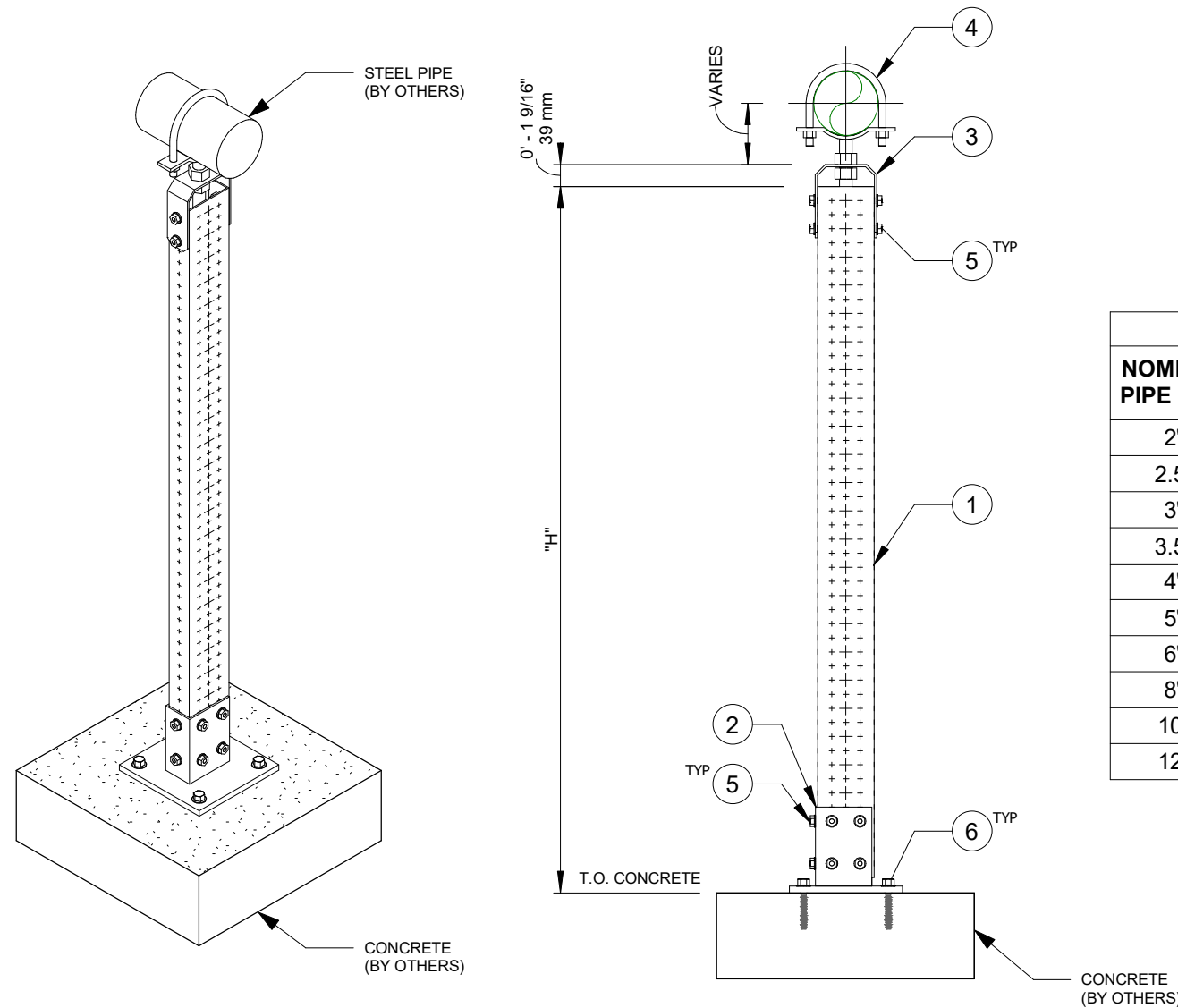


BILL OF MATERIALS

MARK	ITEM NUMBER	PRODUCT DESCRIPTION	QTY
1	2268366	I-Girder MT-80 S OC	1
2	2272101	4-hole Baseplate MT-B-GS O4U OC	1
3	SEE TABLE	Connector MT-C-PS OC	1
4	SEE TABLE	Pipe saddle and U-bolt	1
5	2272084	Thread Forming Bolt MT-TFB OC	14
6	2221942	Screw anc KH-EZ C-RC 3/8" x 3"	4

* QUANTITY LISTED FOR THE ITEM NUMBER IS FOR PIECE COUNT TOTALS ONLY. ACTUAL ORDERING ITEM NUMBER AND QUANTITIES WILL BE BASED ON OPTIMIZING TOTAL MATERIAL LENGTHS REQUIRED PER PROFILE OR SIZE/DIAMETER.

NOMINAL PIPE SIZE	PIPE SADDLE MT-80 CONNECTOR	ITEM NO.	HDG PIPE SADDLE AND U-BOLT (PSU)	ITEM NO.	COATED PIPE SADDLE AND U-BOLT (PSCU)	ITEM NO.
2"	MT-C-PS 5/8" OC	2343196	PSU 2" PIPE SADDLE & U-BOLT	2199861	PSCU 2" PIPE SADDLE & U-BOLT	2199851
2.5"	MT-C-PS 5/8" OC	2343196	PSU 2-1/2" PIPE SADDLE & U-BOLT	2199862	PSCU 2-1/2" PIPE SADDLE & U-BOLT	2199852
3"	MT-C-PS 5/8" OC	2343196	PSU 3" PIPE SADDLE & U-BOLT	2199863	PSCU 3" PIPE SADDLE & U-BOLT	2199853
3.5"	MT-C-PS 5/8" OC	2343196	PSU 3-1/2" PIPE SADDLE & U-BOLT	2199864	PSCU 3-1/2" PIPE SADDLE & U-BOLT	2199854
4"	MT-C-PS 7/8"-1" OC	2343197	PSU 4" PIPE SADDLE & U-BOLT	2199865	PSCU 4" PIPE SADDLE & U-BOLT	2199855
5"	MT-C-PS 7/8"-1" OC	2343197	PSU 5" PIPE SADDLE & U-BOLT	2199866	PSCU 5" PIPE SADDLE & U-BOLT	2199856
6"	MT-C-PS 7/8"-1" OC	2343197	PSU 6" PIPE SADDLE & U-BOLT	2199867	PSCU 6" PIPE SADDLE & U-BOLT	2199857
8"	MT-C-PS 7/8"-1" OC	2343197	PSU 8" PIPE SADDLE & U-BOLT	2199868	PSCU 8" PIPE SADDLE & U-BOLT	2199858
10"	MT-C-PS 1-1/4" OC	2343198	PSU 10" PIPE SADDLE & U-BOLT	2199869	PSCU 10" PIPE SADDLE & U-BOLT	2199859
12"	MT-C-PS 1-1/4" OC	2343198	PSU 12" PIPE SADDLE & U-BOLT	2199870	PSCU 12" PIPE SADDLE & U-BOLT	2199860



1 ISOMETRIC

2 ELEVATION
1" = 1'-0"

TABLE-A				
Max "H", (in)	72" in MAX.			
Rod Dia., ² (in)	5/8"	7/8"	1"	1 1/4"
Vertical	180	350	425	495
Transverse	54	105	125	145
Longitudinal	54	105	125	145

ALLOWABLE LOADS¹, (lbs)

¹ MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON THE GOVERNING COMBINATION OF VERTICAL LOAD WITH TRANSVERSE LOAD OR VERTICAL LOAD WITH LONGITUDINAL LOAD. A SEPARATE ANALYSIS MUST BE PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUSLY.
² PIPE SADDLE THREADED ROD DIAMETER IS NOTED AS ROD DIA.


NOTE(S):

- A. THE TYPICAL SUPPORT IS LOAD RATED AND DIMENSIONALLY LIMITED BASED ON DESIGN METHODOLOGY AND GENERIC NON-PROJECT SPECIFIC ASSUMPTIONS SET FORTH IN PROFIS MODULAR SUPPORTS ENGINEERING SOFTWARE VERSION 1.9. THE ENGINEER OF RECORD SHALL EVALUATE THIS TYPICAL SUPPORT TO DETERMINE ITS SUITABILITY FOR THE ACTUAL PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.
- B. THE EVALUATION OF EXISTING STRUCTURE IS OUTSIDE OF THE TYPICAL DESIGN SCOPE AND SHALL BE PERFORMED BY THE ENGINEER OF RECORD.
- C. TYPICAL SUPPORT DESIGN IS BASED ON INTERNATIONAL BUILDING CODE (IBC) 2018. SEE TABLE-A FOR ALLOWABLE STRENGTH DESIGN LOADS (STATIC U.N.O.).
- D. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON THE GOVERNING COMBINATION OF VERTICAL LOAD WITH TRANSVERSE LOAD OR VERTICAL LOAD WITH LONGITUDINAL LOAD. A SEPARATE ANALYSIS MUST BE PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUSLY.
- E. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION. THREAD FORMING BOLT MAY BE INSTALLED USING A TORQUE WRENCH OR SI-AT-A22 PER INSTRUCTION FOR USE.
- F. FOR 3/8" DIA. HILTI KH-EZ SCREW ANCHOR, USE MIN. 2" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-3027 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH F'C=3000 PSI, MIN. CONCRETE EDGE DISTANCE = 3", AND MIN. CONCRETE THICKNESS = 4".
- G. CONCRETE ANCHORS NOTED IN THE BILL OF MATERIAL ARE DESIGNED ONLY FOR WIND LATERAL LOADING. ENGINEER OF RECORD TO VERIFY ADEQUACY OF ANCHOR WHEN TYPICAL IS BEING USED FOR SEISMIC LATERAL LOADING.

All loading and design criteria supplied by customer is assumed accurate. Only the stated Design Assumptions were considered, and must be verified by the responsible Engineer of Record (EOR). The basis of Hilti component and connection design is the published data in the current Hilti Technical Guide, including material and cross-section properties, allowable load values, factors of safety, methods of calculation, and limiting factors. The EOR must verify suitability for any specific application, and the capacity of the supportive structure to receive the shown configuration and associated reaction loads. Modification to components and/or design may alter performance and must be evaluated by the EOR.

REVISION HISTORY			
NO.	REVISION DESCRIPTION	DATE	DRW
A	ISSUE FOR CONSTRUCTION	05/05/2022	ASB
B	LOAD TABLE REVISED	06/17/2022	MES
C	ADDED LONGITUDINAL LOAD DATA, UPDATED NOTE	07/27/2022	ASB

PROJECT NAME: PIPE STANCHION MT-80 C001



PROJECT DESCRIPTION: PIPE STANCHION MT-80 C001

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
ASB	GAB	MES	BVD
PAPER SIZE: ANSI B		PROJECT NUMBER: 7337 - ST8C1 - 01	