

AS REQ'

VARIES

VARIES VARIES SPECIAL

10

100

100

200

20

VARIES

50

407570

304129

377076

411775

411780

304200

SPECIAL

377882

ISOMETRIC

NOTE(S):

- PRELIMINARY NOT FOR CONSTRUCTION
- **DESIGN ASSUMPTIONS:**
 - a. DESIGN LOADS (STATIC, U.N.O.):
 - DL: 50lb / PIPE
 - b. LATERAL LOADS 20lb.
- c. CORROSION RESISTANCE REQD.: HDG
- ALL LOADS ASSUMED TO ACT AT TOP OF PIPE(S), U.N.O.
- REFER TO COMPONENT MANUFACTURER'S IFUS FOR REQUIRED INSTALLATION INFO.
- VERIFY CAPACITY OF BASE MATERIALS BY OTHERS.



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

TYPICAL DETAIL TYPE:

PIPE SUPPORT

TYPICAL DETAIL DESCRIPTION:

BRACED CANTILEVER

DESIGNED BY:	REVIEWED BY:
KL	AJV
DRAWN BY:	ISSUE DATE:
HAM	09 DEC 14

REVISIONS:					
NO:	DESCRIPTION:	DATE:			
<u>A</u>	ORIGINAL ISSUE	09 DEC 14			
_					
_					
_					
_					
_					
_					
_					
_					
_					
_					
_					
_					
_					
_		-			
_					
_					
_					
_					
_					

TYPICAL DETAIL NOMENCLATURE:

P-BC56-S

DRAWING NUMBER: 01 1/2

AS REQ'D

4

4

4

10

12

13

14

15

16

17

EA STRUT HS-158-12/HDG 10'

EA ANGLE BRACE MQK-SK-F

WASHER 3/8" SS316

EA BASE PLATE MQZ-F3/8"-F

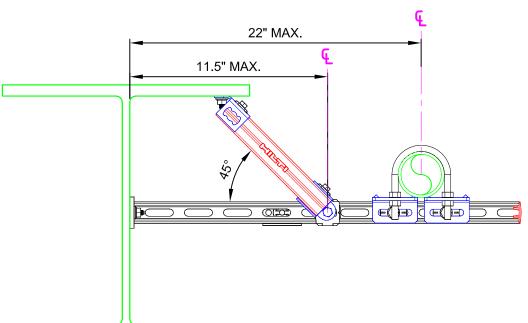
EA WING NUT MQM-F3/8"

EA U-BOLT

HEX NUT STANDARD 3/8" SS316

EA HEX HEAD BOLT 3/8"x1-1/2" HDG

EA X-BTW10-24-6 SN12-R



ISOMETRIC

OPTION 2

(05)

EXISTING STEEL COLUMN (TYP.) (BY OTHERS)

PIPE

(BY OTHERS)

NOTE(S):

1. REFER TO SHEET 1 FOR APPLICABLE NOTE(S).





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.

TYPICAL DETAIL TYPE:

REVISIONS:

PIPE SUPPORT

TYPICAL DETAIL DESCRIPTION:

BRACED CANTILEVER

DESIGNED BY:	REVIEWED BY:
KL	AJV
DRAWN BY:	ISSUE DATE:
HAM	09 DEC 14

NO:	DESCRIPTION:	DATE:
<u>A</u>	ORIGINAL ISSUE	09 DEC 14
_		
l —		
l —		
_		
l —		
_		
_		
l —		
_		
_		
l —		
l —		
l —		
_		
—		
_		
_		
I		

TYPICAL DETAIL NOMENCLATURE:

P-BC56-S

DRAWING NUMBER: SHEET: 2/2