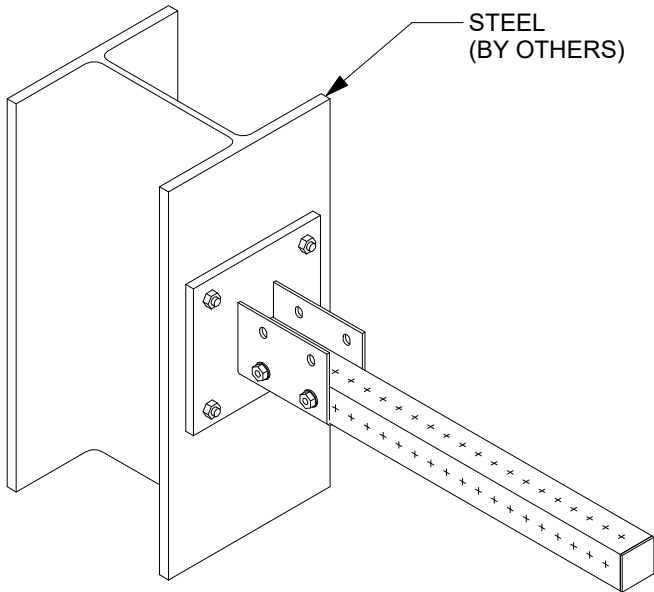
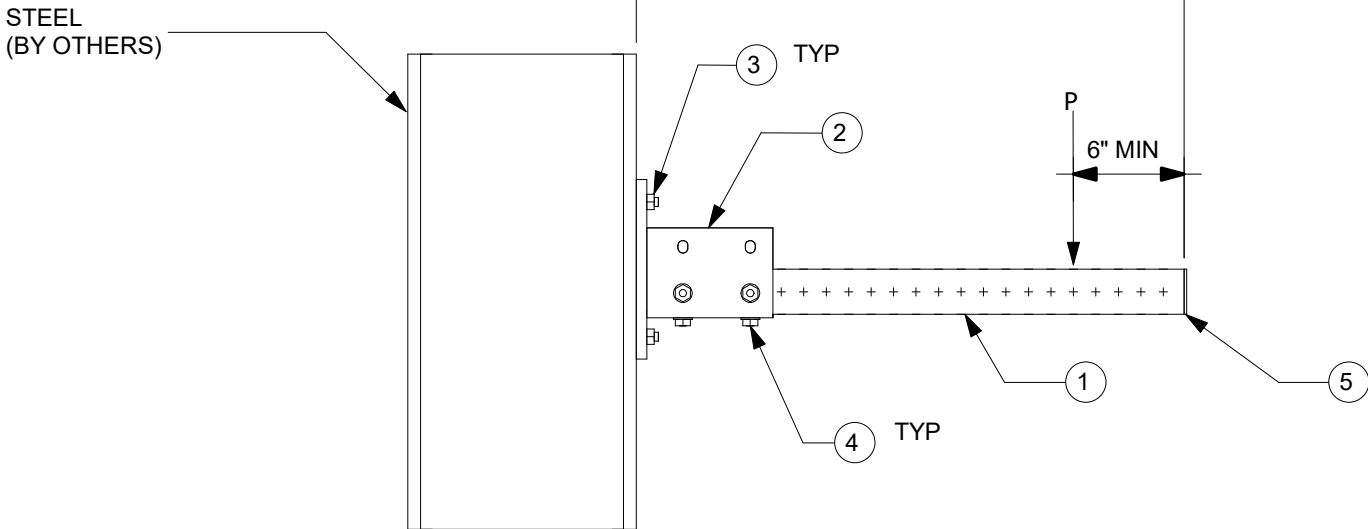


7		8	
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	1
2	2272101	MT-B-GS O4U OC	1
3	2194341	X-BT-MR W10/15 SN 8	4
4	2272084	MT-TFB OC	6
5	2273697	MT-EC-70	1



1 ISOMETRIC
N.T.S.



2 ELEVATION
N.T.S.

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.


D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.

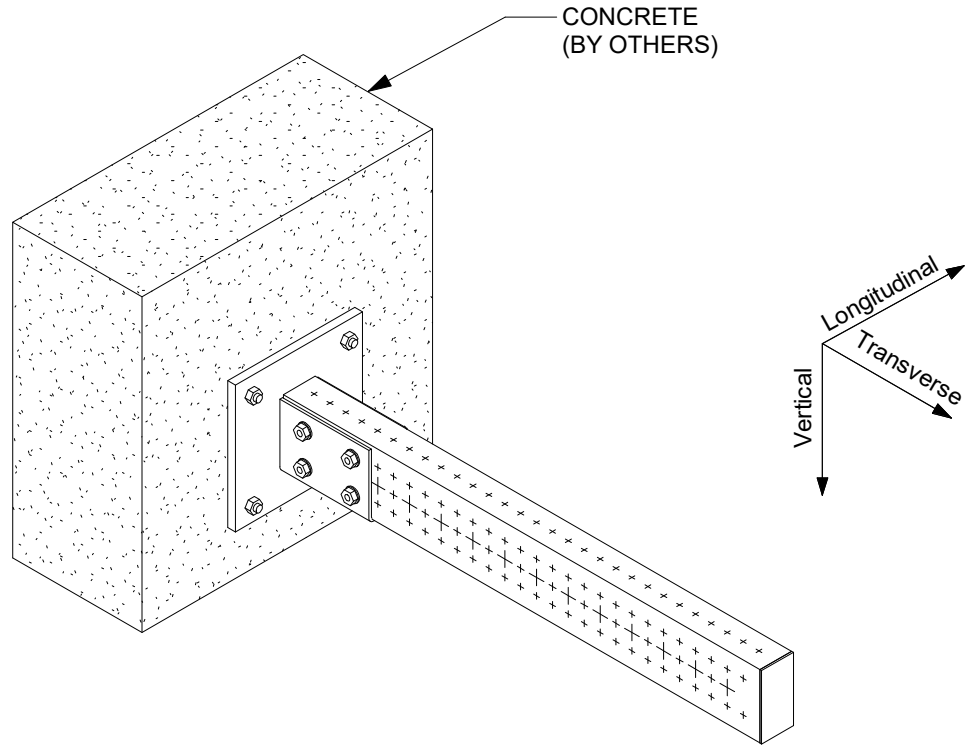
E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON THE GOVERNING COMBINATION OF VERTICAL LOAD WITH TRANSVERSE LOAD OR VERTICAL LOAD WITH LONGITUDINAL LOAD. A SEPARATE ANALYSIS MUST BE PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUSLY.

F. 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.

G. X-BT REQUIREMENT: MIN. STEEL BASE MATERIAL THICKNESS SHALL BE 5/16". MIN EDGE DISTANCE SHALL BE 3/8". MIN YIELD STRENGTH OF STEEL SHALL BE FY=36KSI.

TABLE A			
ALLOWABLE LOADS, lbs	Max W, in	18	24
	Vertical (P)	550	350
	Transverse	165	105
	Longitudinal	165	105

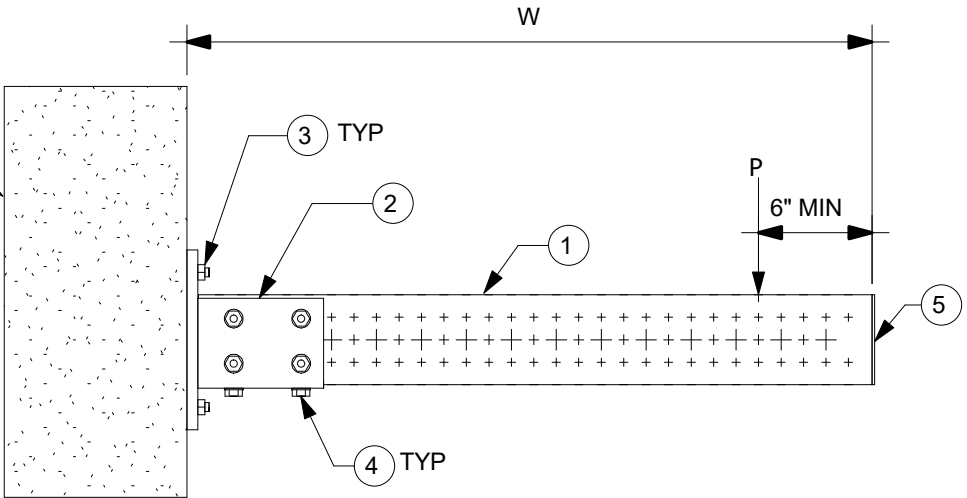
All loading and design criteria supplied by customer is assumed accurate. Only the stated Design Assumptions were considered, and must be verified by the responsible Engineer of Record (EOR). The basis of Hilti component and connection design is the published data in the current Hilti Technical Guide, 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:	DESCRIPTION:	DATE:	
		A	ISSUE FOR REVIEW	08/19/2020	
		B	ISSUE FOR REVIEW	12/14/2020	
PROJECT NAME:					
CANTILEVER MT70 S 001					
PROJECT DESCRIPTION:		DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
CANTILEVER MT70 S 001		GAB	BAP	JDR	BVD
PAPER SIZE:		PROJECT NUMBER:			
		PROJECT	JOB	SHEET	
ANSI B		- CT7S1 - 1			



1 ISOMETRIC
N.T.S.



CONCRETE
(BY OTHERS)



2 ELEVATION
N.T.S.

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED

E. 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.

F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION.

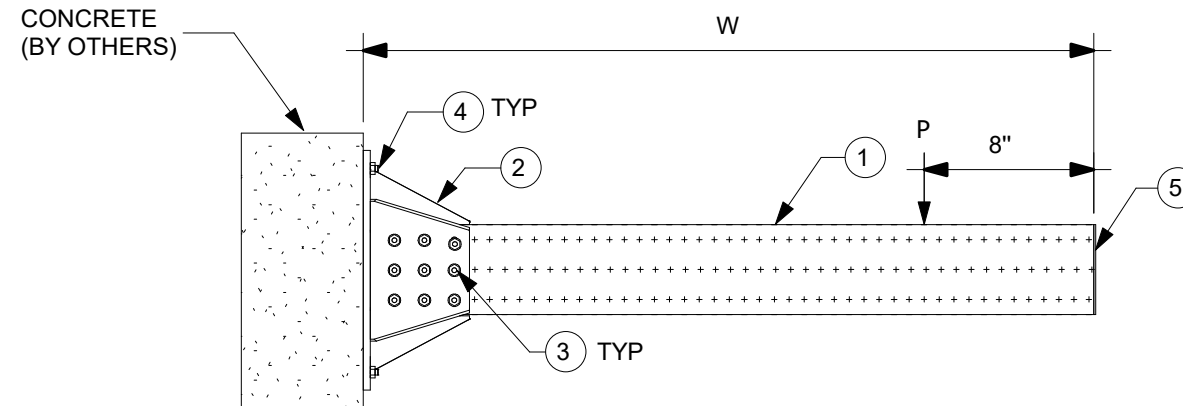
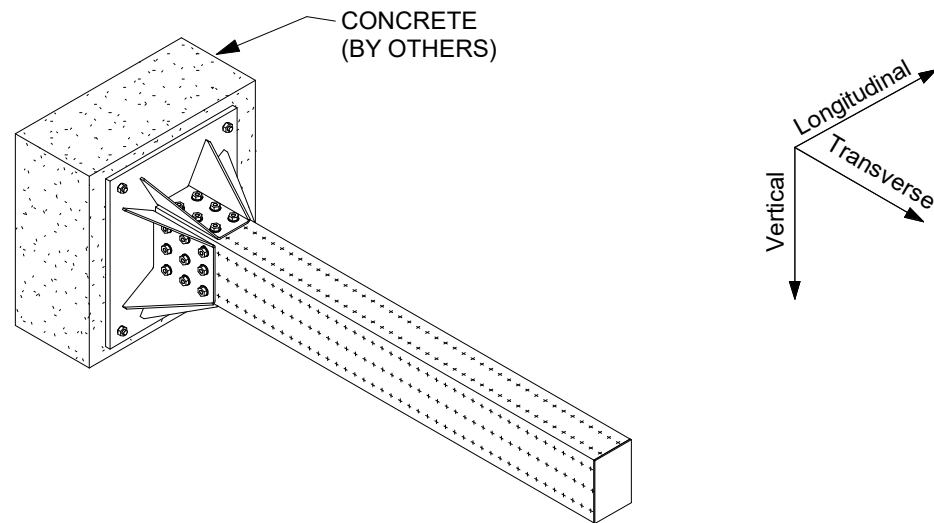
G. USE 1/2" DIA. HILTI KWIK BOLT-TZ WITH MIN 3-5/8" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-1917 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH F'C= 3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".

H. 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.

TABLE A			
ALLOWABLE LOADS, lbs	Max W, in	18	24
	Vertical (P)	1400	1000
	Transverse	420	300
	Longitudinal	218	300

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268367	MT-80 L OC	1
2	2272101	MT-B-GS O4U OC	1
3	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	4
4	2272084	MT-TFB OC	10
5	2273698	MT-EC-80	1

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268491	MT-100 OC	1
2	2272104	MT-B-GXL-O4 OC	1
3	2272084	MT-TFB OC	30
4	387530	ANCHOR KB-TZ 5/8" X 4-3/4" SS304	4
5	2273700	MT-EC-100	1



1 ISOMETRIC
N.T.S.

3 ELEVATION
N.T.S.

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED

E. 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.

F. 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.

G. USE 1/2" DIA. HILT KWIK BOLT-TZ WITH MIN 3-5/8" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-1917 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH F'c= 3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".


H. 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

ALLOWABLE LOADS, lbs	TABLE A		
	Max W, in	36	48
	Vertical (P)	2700	1900
	Transverse	810	570
	Longitudinal	810	570

<p>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.</p>		<p>NO: DESCRIPTION:</p>		<p>DATE:</p>
		<p>A ISSUE FOR REVIEW</p>		<p>12/18/2020</p>

PROJECT NAME:

CANTILEVER - MT100 - C - 001



DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	JDR	BVD

PROJECT DESCRIPTION:

CANTILEVER - MT100- C - 001

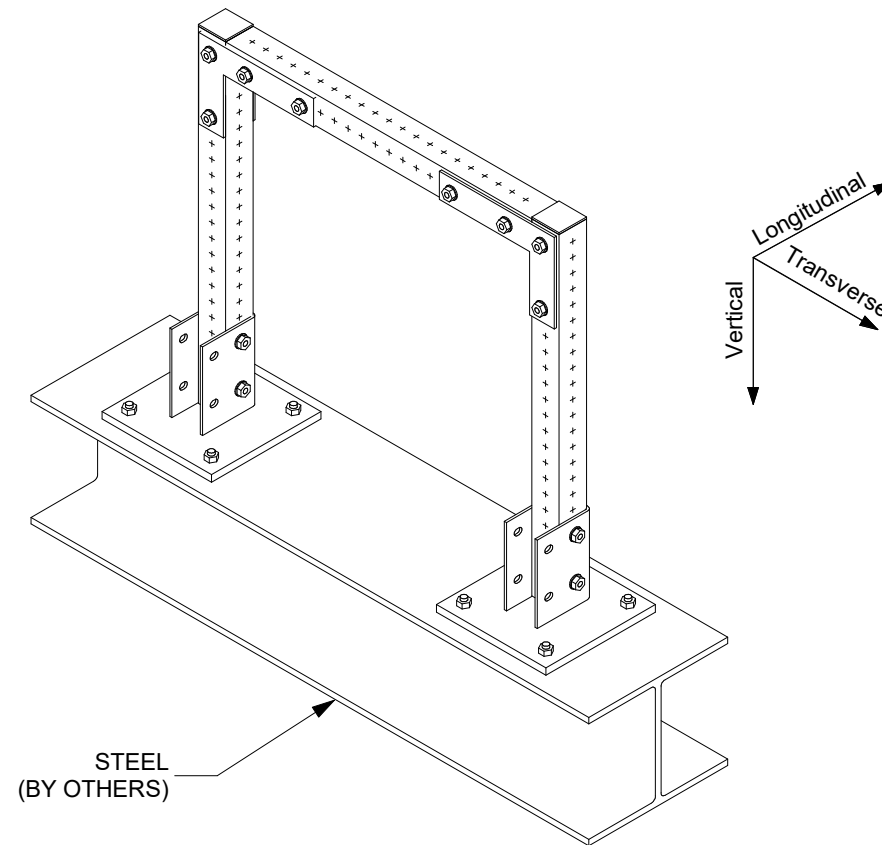
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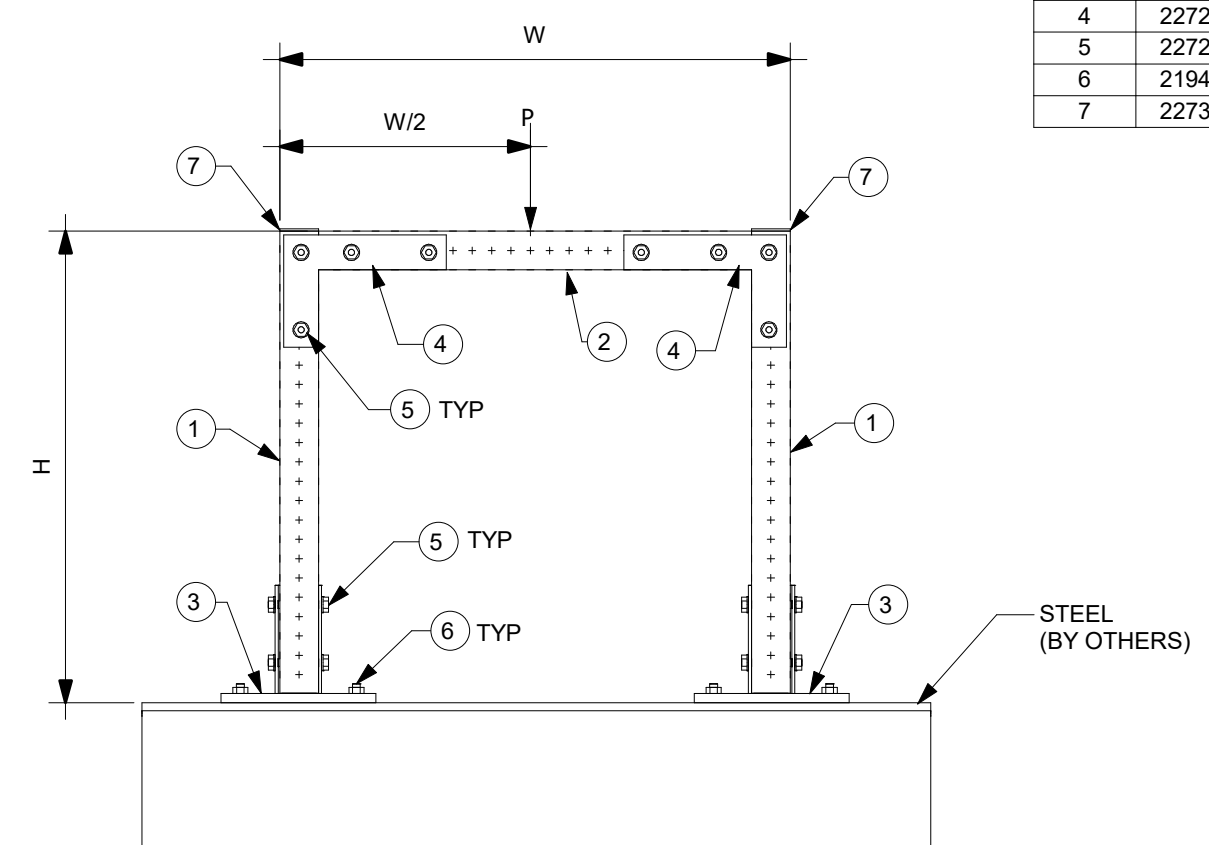
PROJECT NUMBER:

PROJECT	JOB	SHEET
- CT1C1 -		1

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	2
2	2268365	MT-70 L OC	1
3	2272101	MT-B-GS O4U OC	2
4	2272073	MT-C-GSP L OC	4
5	2272084	MT-TFB OC	28
6	2194341	X-BT-MR W10/15 SN 8	8
7	2273697	MT-EC-70	2



1 ISOMETRIC
N.T.S.



② ELEVATION
N.T.S.

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.

E. 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.

F. 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.

G. X-BT REQUIREMENT: MIN. STEEL BASE MATERIAL THICKNESS SHALL BE 5/16". MIN EDGE DISTANCE SHALL BE 3/8". MIN YIELD STRENGTH OF STEEL SHALL BE $F_y=36\text{KSI}$.

	TABLE A			
	Max H, in	24	36	48
	Max W, in	24	36	48
ALLOWABLE LOADS, lbs	Vertical (P)	1400	950	620
	Transverse	420	285	186
	Longitudinal	420	285	186

ALLOWABLE
LOADS, lbs

<p>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.</p>		<h2 style="margin: 0;">REVISION HISTORY</h2>	
NO:	DESCRIPTION:	DATE:	
A	ISSUE FOR REVIEW	12/8/2020	

PROJECT NAME:

GOAL POST MT70 S 001

PROJECT DESCRIPTION:

GOAL POST MT70 S 001

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	JDR	BVD

PAPER SIZE:	PROJECT NUMBER:
ANSI B	<div style="display: flex; justify-content: space-between; align-items: center;"> <div>PROJECT</div> <div>JOB</div> <div>SHEET</div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> - GP7S1 - 1 </div>




H. 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

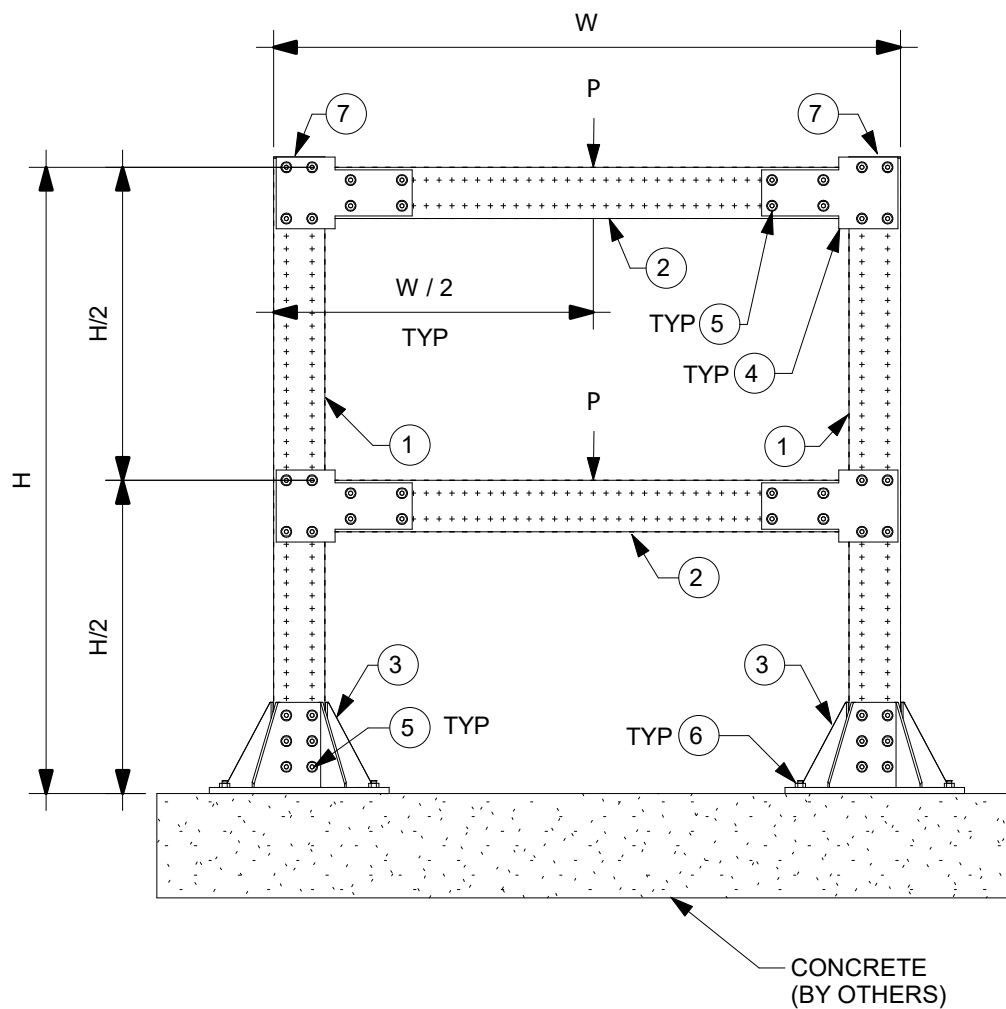


ALLOWABLE LOADS, lbs	TABLE A				
	Max H, in	36	48	60	
	Max W, in	36	48	60	
	Vertical (P)	4400	3400	2600	
	Transverse	1320	1020	780	
	Longitudinal	1320	1020	780	

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268369	MT-90 OC	2
2	2268369	MT-90 OC	1
3	2272103	MT-B-GL-O4 OC	2
4	2272075	MT-C-GLP T OC	4
5	2272084	MT-TFB OC	80
6	387530	ANCHOR KB-TZ 5/8" X 4-3/4" SS304	8
7	2273699	MT-EC-90	2

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:	DESCRIPTION:	DATE:
	A	ISSUE FOR REVIEW	12/18/2020

PROJECT NAME:				
	DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
PROJECT DESCRIPTION:	GAB	IDP	JDR	BVD
	PAPER SIZE:	PROJECT NUMBER:		
		PROJECT	JOB	SHEET
	ANSI B	- GP9C1 -		1



MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268369	MT-90 OC	2
2	2268369	MT-90 OC	2
3	2272103	MT-B-GL-O4 OC	2
4	2272075	MT-C-GLP T OC	8
5	2272084	MT-TFB OC	112
6	387530	ANCHOR KB-TZ 5/8" X 4-3/4" SS304	8
7	2273699	MT-EC-90	2

2 ELEVATION
N.T.S.

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED

E. 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.

F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION. THREAD FORMING BOLD MAY BE INSTALLED USING A TORQUE WRENCH OR SI-AT-A22 PER INSTRUCTION FOR USE.

G. USE 1/2" DIA. HILTI KWIK BOLT-TZ WITH MIN 3-5/8" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-1917 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH F'C= 3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".

H. 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

ALLOWABLE LOADS, lbs	TABLE A			
	Max H, in	36	48	60
	Max W, in	36	48	60
	Vertical (P)	3400	2800	2500
	Transverse	1020	840	750
	Longitudinal	1020	840	750

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 supply system to support the shown configuration and associated reaction loads. Modifications to components and/or design may alter performance and must be evaluated by the EOR.

REVISION HISTORY		
NO:	DESCRIPTION:	DATE:
A	ISSUE FOR REVIEW	12/18/2020

PROJECT NAME:

GOALPOST MT90 - C - 002

PROJECT DESCRIPTION:	
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GOALPOST MT90 - C - 002

HILTI			
DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	JDR	BVD
PAPER SIZE:	PROJECT NUMBER:		
ANSI B	PROJECT	JOB	SHEET
	- GP9C2 -		1

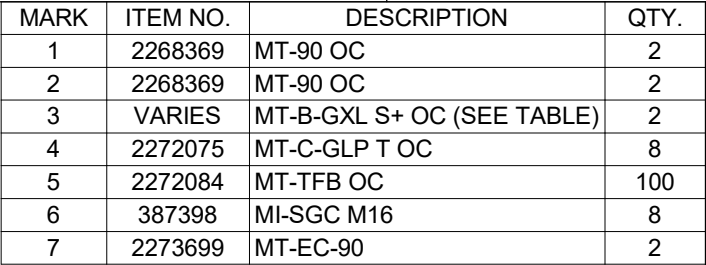

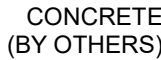


	TABLE A			
	Max H, in	36	48	60
	Max W, in	36	48	60
ALLOWABLE LOADS, lbs	Vertical (P)	2900	2200	1800
	Transverse	870	660	540
	Longitudinal	870	660	540

<p>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 Hill component and connection design is the published data in the current Hill 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.</p>		<p align="center">REVISION HISTORY</p>			
NO:	DESCRIPTION:				DATE:
A	ISSUE FOR REVIEW				12/18/2020
PROJECT NAME:					
GOAL POST MT90 S 002					
PROJECT DESCRIPTION:		DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GOAL POST MT90 S 002		GAB	IDP	JDR	BVD
GOAL POST MT90 S 002		PAPER SIZE:	PROJECT NUMBER:		
			PROJECT	JOB	SHEET
		ANSI B	-	GP9S2	- 1



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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED

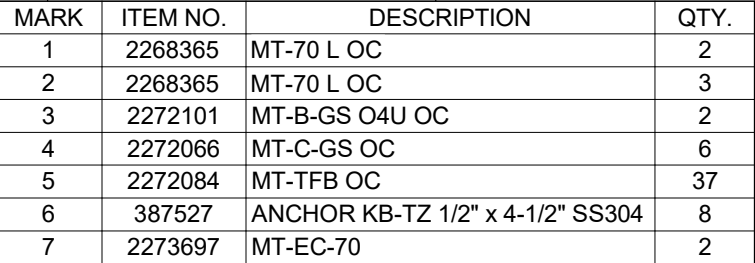
E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON THE GOVERNING COMBINATION OF VERTICAL LOAD WITH TRANSVERSE LOAD OR VERTICAL LOAD WITH LONGITUDINAL LOAD. A SEPARATE ANALYSIS MUST BE PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUSLY.

F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION.

G. USE 1/2" DIA. HILTI KWIK BOLT-TZ WITH MIN 3-5/8" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-1917 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH F'C= 3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".

H. 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.

I. MT-C-GS-OC (#227066) MAY BE REPLACED WITH MT-C-GS A OC (#227068) WITHOUT REDUCTION OF LOADS.



N.T.S.

ALLOWABLE
LOADS, lbs

Max H, in	24	36	48
Max W, in	24	36	48
Vertical (P)	1200	675	375
Transverse	360	203	113
Longitudinal	360	203	113

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 also consider the specific details, material strength 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

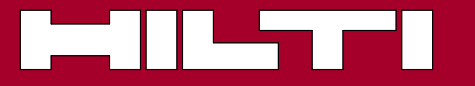
NO:	DESCRIPTION:	DATE:
A	ISSUE FOR REVIEW	09/21/2020
B	ISSUE FOR REVIEW	12/14/2020

PROJECT NAME:

GOAL POST MT70 C 003

PROJECT DESCRIPTION:

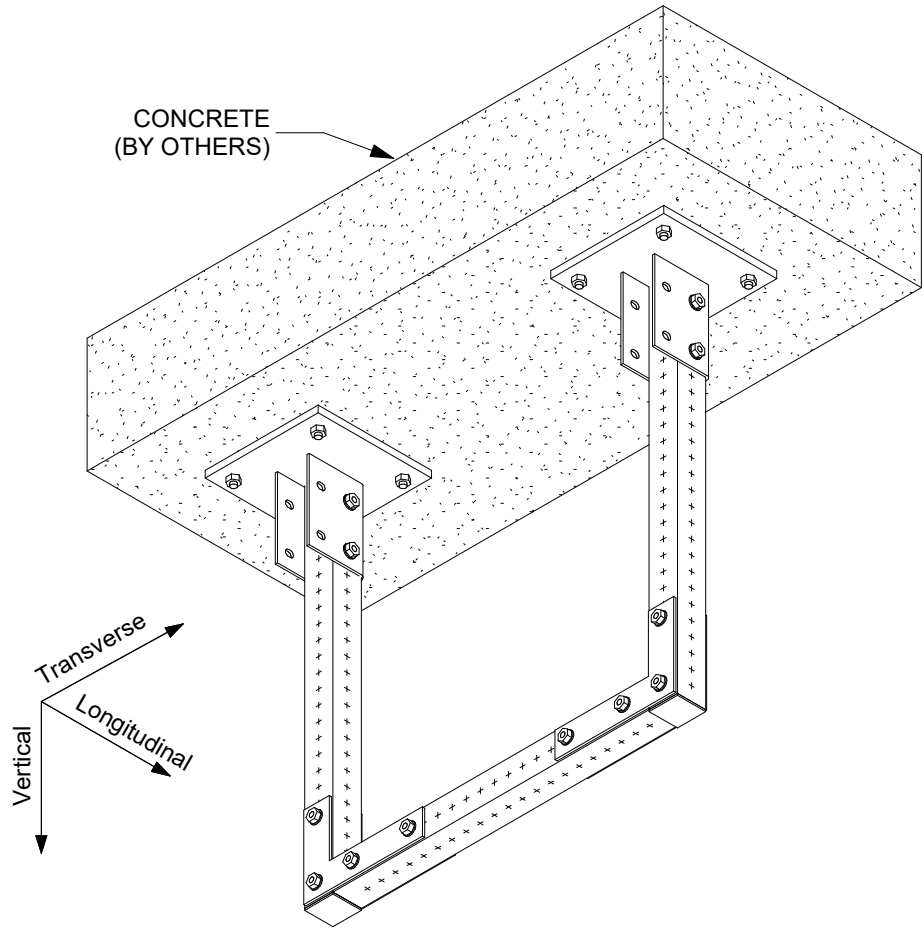
GOAL POST MT70 C 003



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GAB	IDP	JDR	BVD
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ANSI B	PROJECT	JOB	SHEET
	- GP7C3 -		1



1 ISOMETRIC
N.T.S.

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED

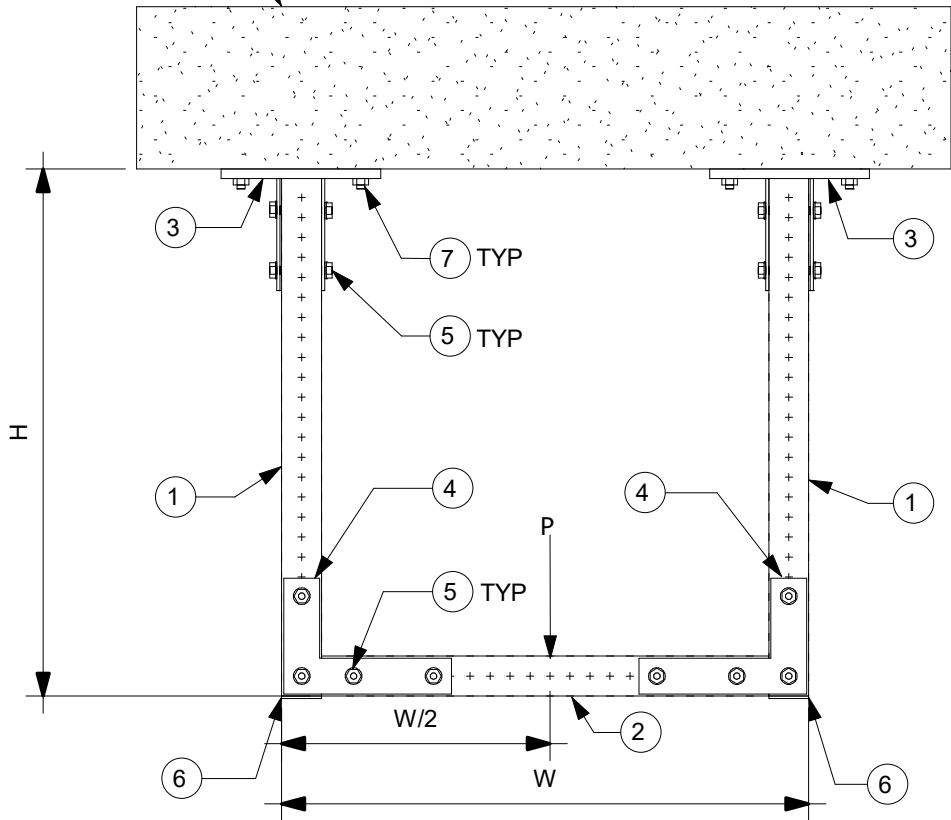
E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON THE GOVERNING COMBINATION OF VERTICAL LOAD WITH TRANSVERSE LOAD OR VERTICAL LOAD WITH LONGITUDINAL LOAD. A SEPARATE ANALYSIS MUST BE PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUSLY.

F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION.

G. USE 1/2" DIA. HILTI KWIK BOLT-TZ WITH MIN 3-5/8" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-1917 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH F_C= 3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".

H. 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.

CONCRETE
(BY OTHERS)




2 ELEVATION
N.T.S.

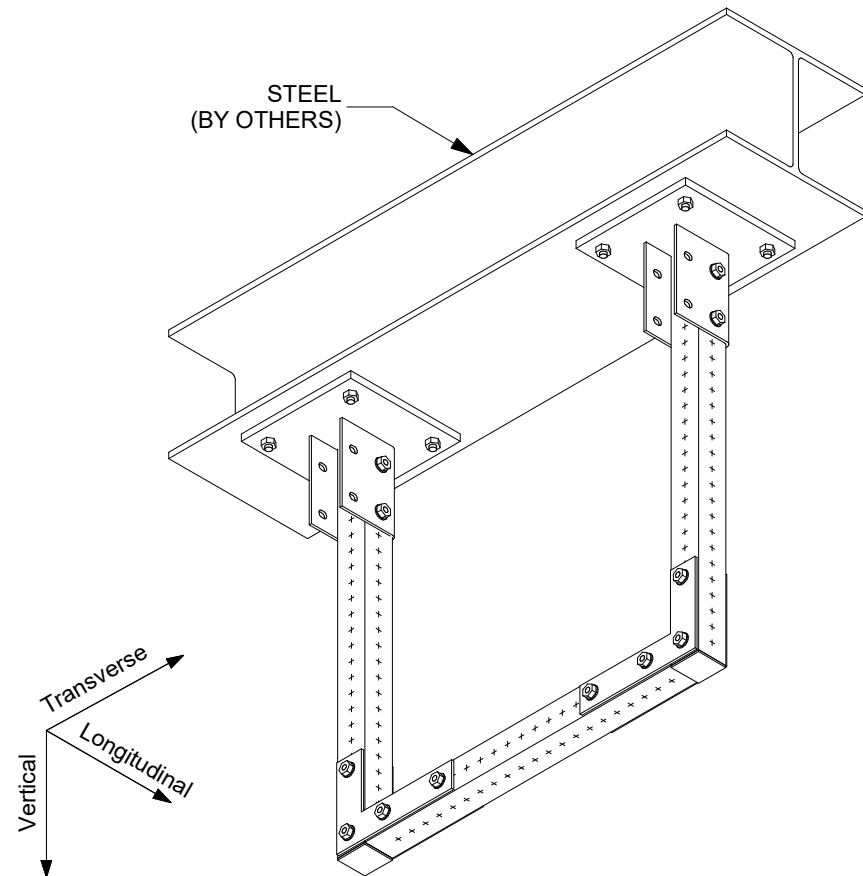
TABLE A				
Max H, in	24	36	48	
Max W, in	24	36	48	
Vertical (P)	1400	925	625	
Transverse	420	277	187	
Longitudinal	420	277	187	

ALLOWABLE
LOADS, lbs

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	2
2	2268365	MT-70 L OC	1
3	2272101	MT-B-GS O4U OC	2
4	2272073	MT-C-GSP L OC	4
5	2272084	MT-TFB OC	28
6	2273697	MT-EC-70	2
7	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	8

<p>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.</p>		REVISION HISTORY			
		NO:	DESCRIPTION:	DATE:	
		A	ISSUE FOR REVIEW	12/11/2020	
PROJECT NAME:					
TRAPEZE MT70 C 002					
PROJECT DESCRIPTION:		DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
TRAPEZE MT70 C 002		GAB	IDP	JDR	BVD
TRAPEZE MT70 C 002		PAPER SIZE:	PROJECT NUMBER:		
			PROJECT	JOB	SHEET
		ANSI B	- TR7C2 - 1		

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	2
2	2268365	MT-70 L OC	1
3	2272101	MT-B-GS O4U OC	2
4	2272073	MT-C-GSP L OC	4
5	2272084	MT-TFB OC	28
6	2273697	MT-EC-70	2
7	2194341	X-BT-MR W10/15 SN 8	8



1 ISOMETRIC
N.T.S.

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. 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.

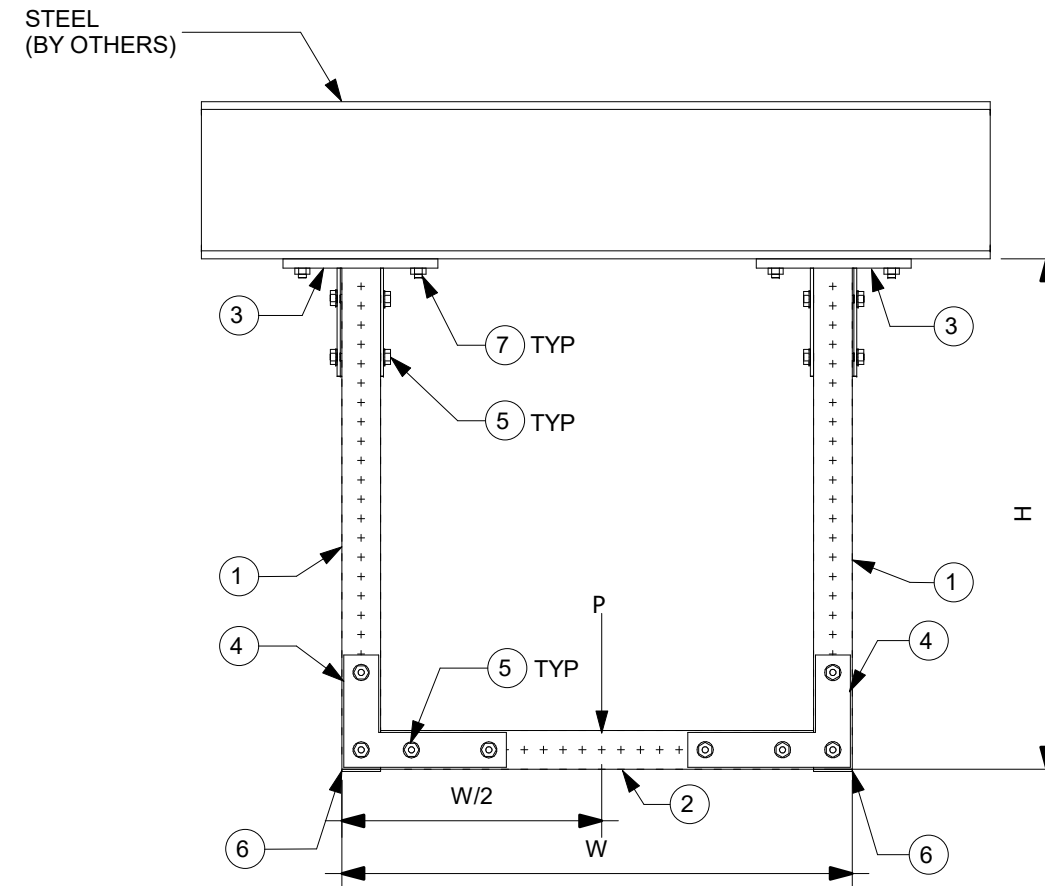
C. TYPICAL SUPPORT DESIGN IS BASED ON INTERNATIONAL BUILDING CODE (IBC) 2018. SEE TABLE-A FOR ALLOWABLE STRENGTH DESIGN LOADS (STATIC U.N.O.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.

E. 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.

F. 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.

G. X-BT REQUIREMENT: MIN. STEEL BASE MATERIAL THICKNESS SHALL BE 5/16". MIN EDGE DISTANCE SHALL BE 3/8". MIN YIELD STRENGTH OF STEEL SHALL BE FY=36KSI.



2 ELEVATION
N.T.S.

ALLOWABLE LOADS, lbs	TABLE A			
	Max H, in	24	36	48
	Max W, in	24	36	48
	Vertical (P)	1400	925	625
	Transverse	420	277	187
	Longitudinal	420	277	187

ALLOWABLE
LOADS, lbs

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 Hill component and connection design is the published data in the current Hill 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.

PROJECT NAME:

TRAPEZE MT70 S 002

PROJECT DESCRIPTION:

TRAPEZE MT70 S 002

REVISION HISTORY

NO:	DESCRIPTION:	DATE:
A	ISSUE FOR REVIEW	12/14/2020

DRAWN:

GAB

CHECKED:

IDP

DESIGNED:

JDR

REVIEWED:

BVD

PAPER SIZE:


ANSI B

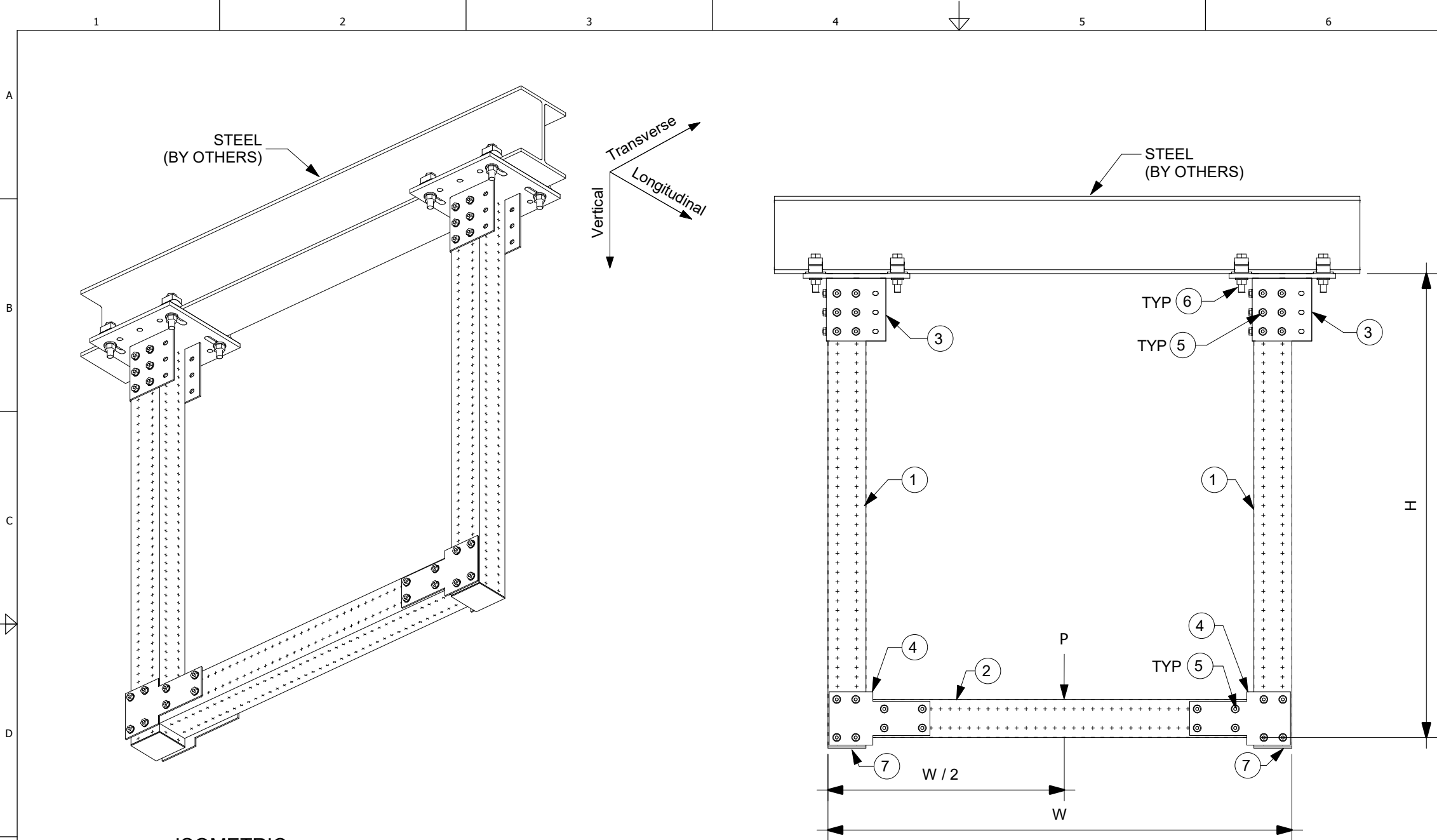
PROJECT NUMBER:

PROJECT	JOB	SHEET
-	TR7S2	1



ALLOWABLE LOADS, lbs	TABLE A			
	Max H, in	24	36	48
	Max W, in	24	36	48
	Vertical (P)	2300	1600	950
	Transverse	690	480	285
	Longitudinal	690	480	285

PROJECT NAME:	TRAPEZE MT80 C 001						
PROJECT DESCRIPTION:	TRAPEZE MT80 C 001			DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
				GAB	IDP	JDR	BVD
				PAPER SIZE:	PROJECT NUMBER:		
				ANSI B	PROJECT	JOB	SHEET
					- TR8C1 -		1



7		8	
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268369	MT-90 OC	2
2	2268369	MT-90 OC	1
3	VARIES	MT-B-GXL S+ OC (SEE TABLE)	2
4	2272075	MT-C-GLP T OC	4
5	2272084	MT-TFB OC	68
6	387398	MI-SGC M16	8
7	2273699	MT-EC-90	2

MT-B-GXL S+ OC		
+	'B' Width	Item No.
1	2.9 to 6.5	2272106
2	6.5 to 9.2	2272107
3	9.2 to 11.8	2272108

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.

E. 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.

F. 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.

2 ELEVATION
N.T.S.

TABLE A				
ALLOWABLE LOADS, lbs	Max H, in	36	48	60
	Max W, in	36	48	60
	Vertical (P)	3000	2500	2200
	Transverse	900	750	660
	Longitudinal	900	750	660

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:	DESCRIPTION:	DATE:	
A	ISSUE FOR REVIEW	12/18/2020	

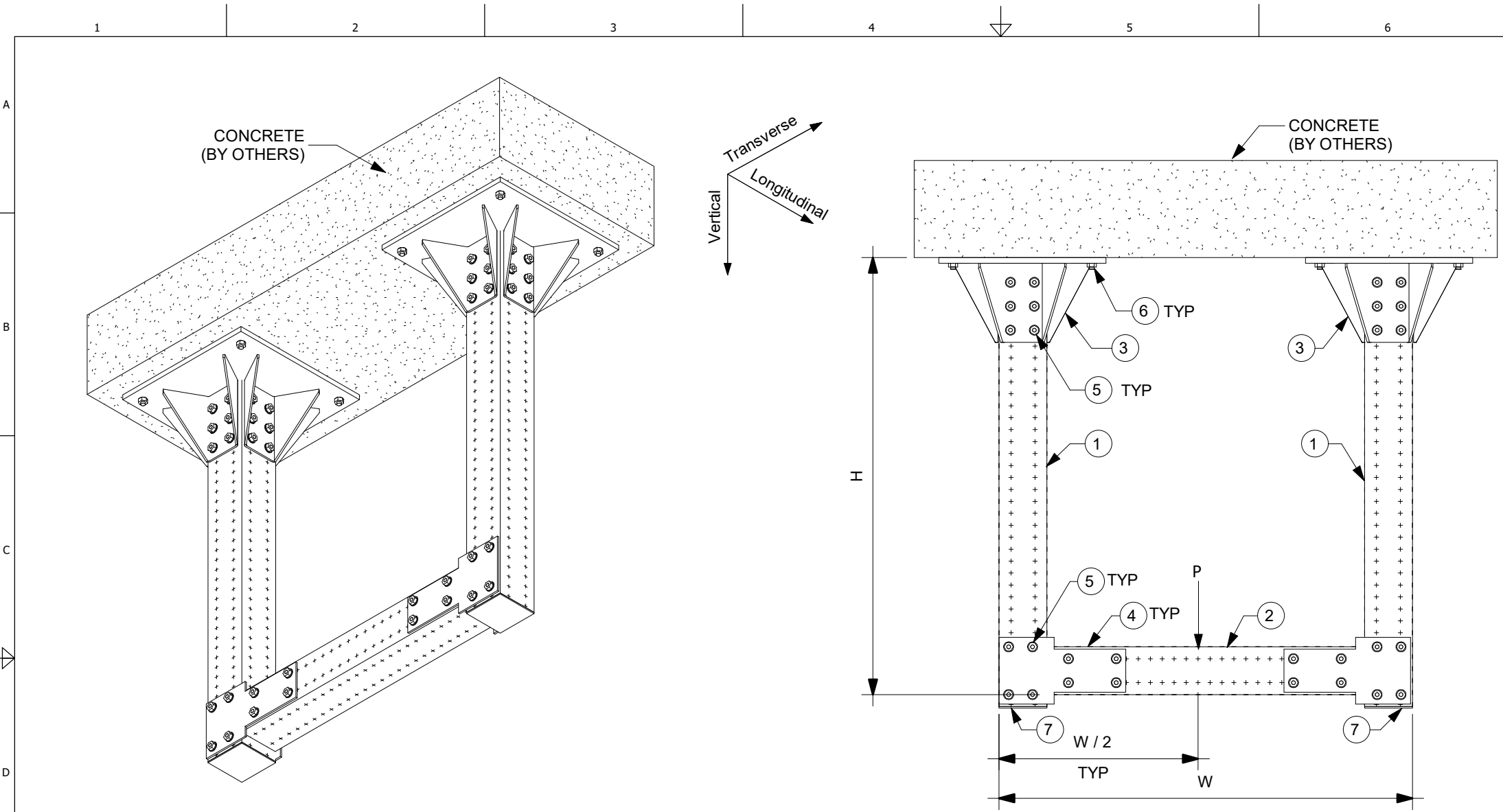
PROJECT NAME:

TRAPEZE MT90 S 002

PROJECT DESCRIPTION:

TRAPEZE MT90 S 002

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	JDR	BVD
PAPER SIZE:	PROJECT NUMBER:		
ANSI B	PROJECT	JOB	SHEET



1 ISOMETRIC
N.T.S.

2 ELEVATION
N.T.S.

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.
- D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED
- E. 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.
- F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION. THREAD FORMING BOLD MAY BE INSTALLED USING A TORQUE WRENCH OR SI-AT-A22 PER INSTRUCTION FOR USE.
- G. USE 1/2" DIA. HILTI KWIK BOLT-TZ WITH MIN 3-5/8" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-1917 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH f'_c = 3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".
- H. 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

TABLE A				
Max H, in	36	48	60	
Max W, in	36	48	60	
Vertical (P)	3000	2500	2200	
Transverse	900	750	660	
Longitudinal	900	750	660	

ALLOWABLE
LOADS, lbs

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268369	MT-90 OC	2
2	2268369	MT-90 OC	1
3	2272103	MT-B-GL-O4 OC	2
4	2272075	MT-C-GLP T OC	4
5	2272084	MT-TFB OC	80
6	387530	ANCHOR KB-TZ 5/8" X 4-3/4" SS304	8
7	2273699	MT-EC-90	2

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.

PROJECT NAME:

TRAPEZE MT90 C 002

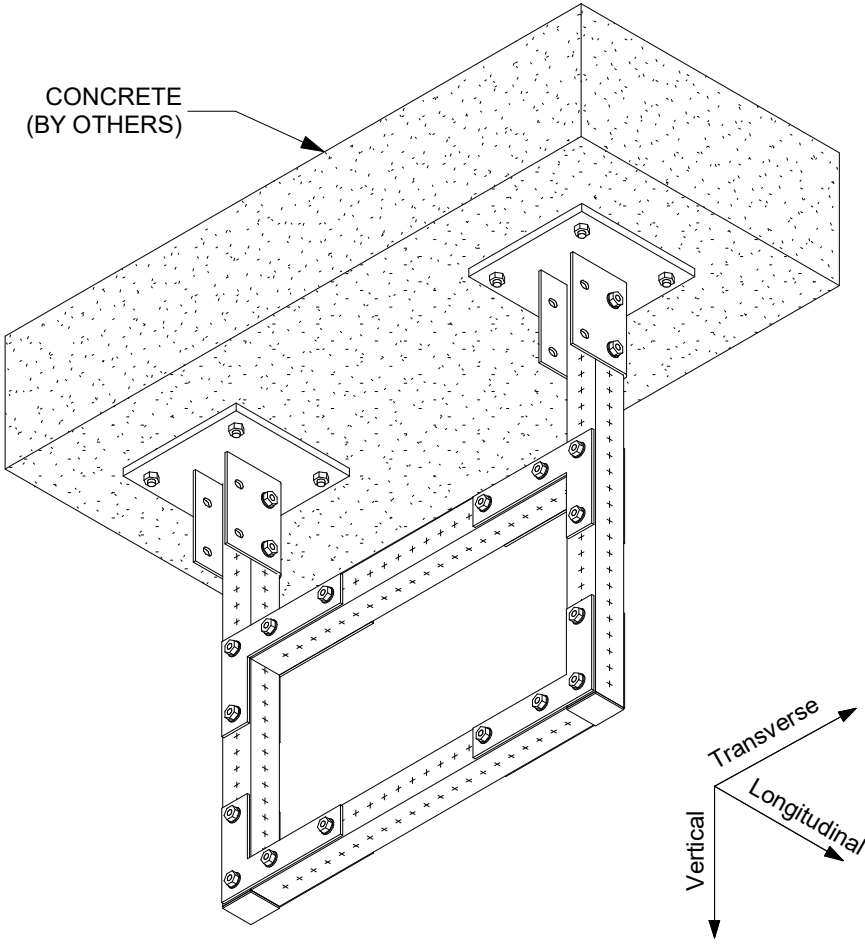
PROJECT DESCRIPTION:

TRAPEZE MT90 C 002

REVISION HISTORY			
NO:	DESCRIPTION:	DATE:	
A	ISSUE FOR REVIEW	12/18/2020	

HILTI

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GAB	IDP	JDR	BVD
PAPER SIZE:	PROJECT NUMBER:		
ANSI B	PROJECT	JOB	SHEET
	- TR9C2 - 1		



1 ISOMETRIC
N.T.S.

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED

E. 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.

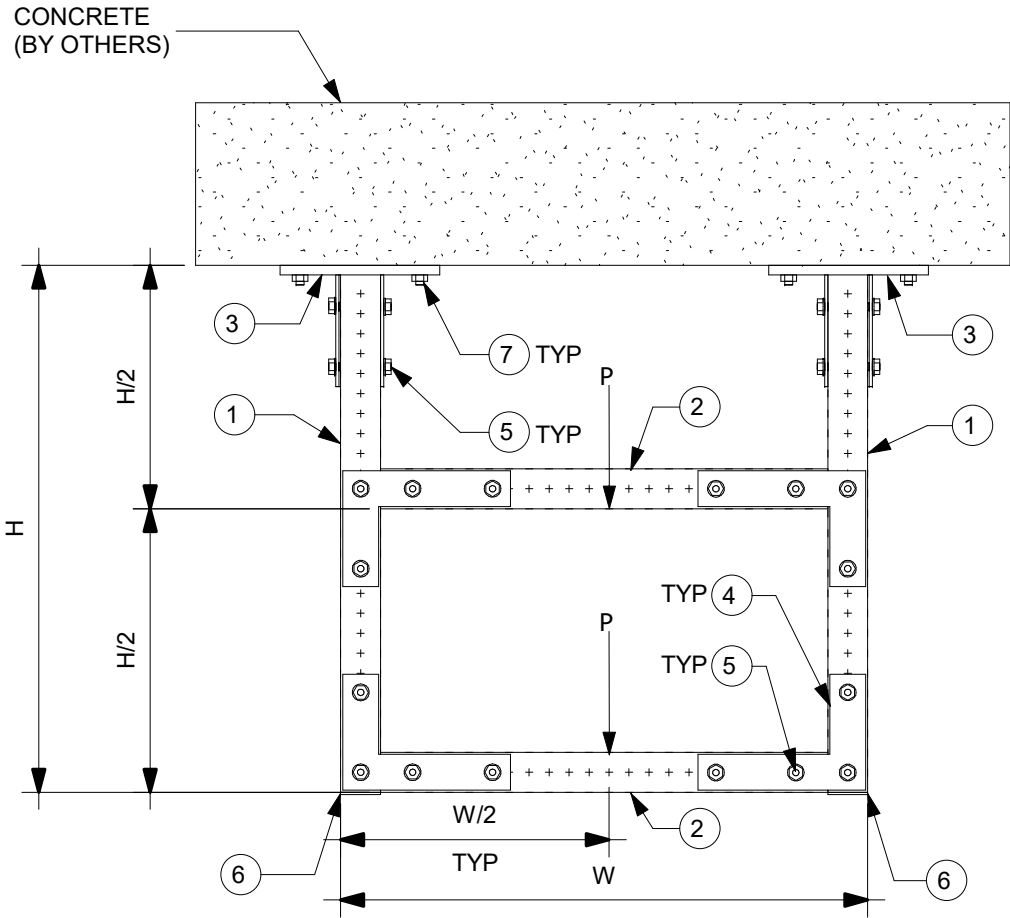
F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION.

G. USE 1/2" DIA. HILTI KWIK BOLT-TZ WITH MIN 3-5/8" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-1917 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH F_C= 3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".

H. 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.

TABLE A				
Max H, in	24	36	48	
Max W, in	24	36	48	
Vertical (P)	1400	850	475	
Transverse	420	255	145	
Longitudinal	420	255	145	

ALLOWABLE
LOADS, lbs



2 ELEVATION
N.T.S.

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	2
2	2268365	MT-70 L OC	2
3	2272101	MT-B-GS O4U OC	2
4	2272073	MT-C-GSP L OC	8
5	2272084	MT-TFB OC	44
6	2273697	MT-EC-70	2
7	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	8

REVISION HISTORY				
NO:	DESCRIPTION:			DATE:
A	ISSUE FOR REVIEW			12/14/2020

PROJECT NAME:

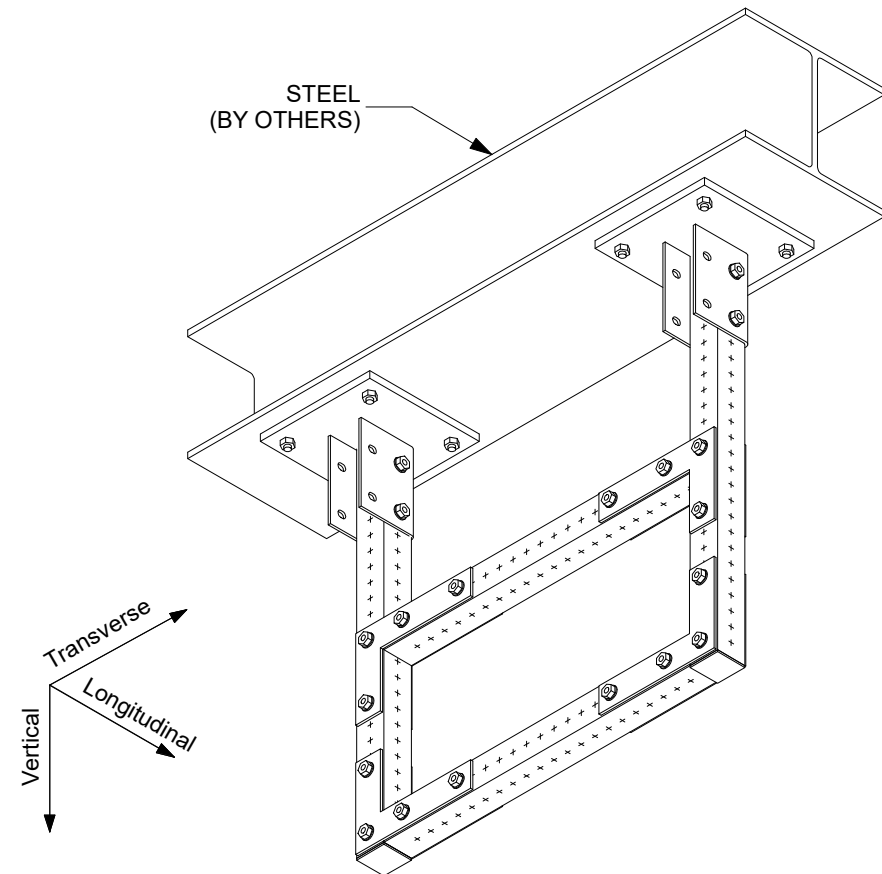
TRAPEZE MT70 C 003

PROJECT DESCRIPTION:

TRAPEZE MT70 C 003

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
MDH	GAB	JDR	BVD
PAPER SIZE:	PROJECT NUMBER:		
ANSI B	PROJECT	JOB	SHEET
	- TR7C3	-	1

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	2
2	2268365	MT-70 L OC	2
3	2272101	MT-B-GS O4U OC	2
4	2272073	MT-C-GSP L OC	8
5	2272084	MT-TFB OC	44
6	2273697	MT-EC-70	2
7	2194341	X-BT-MR W10/15 SN 8	8



1 ISOMETRIC
N.T.S.

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. 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.

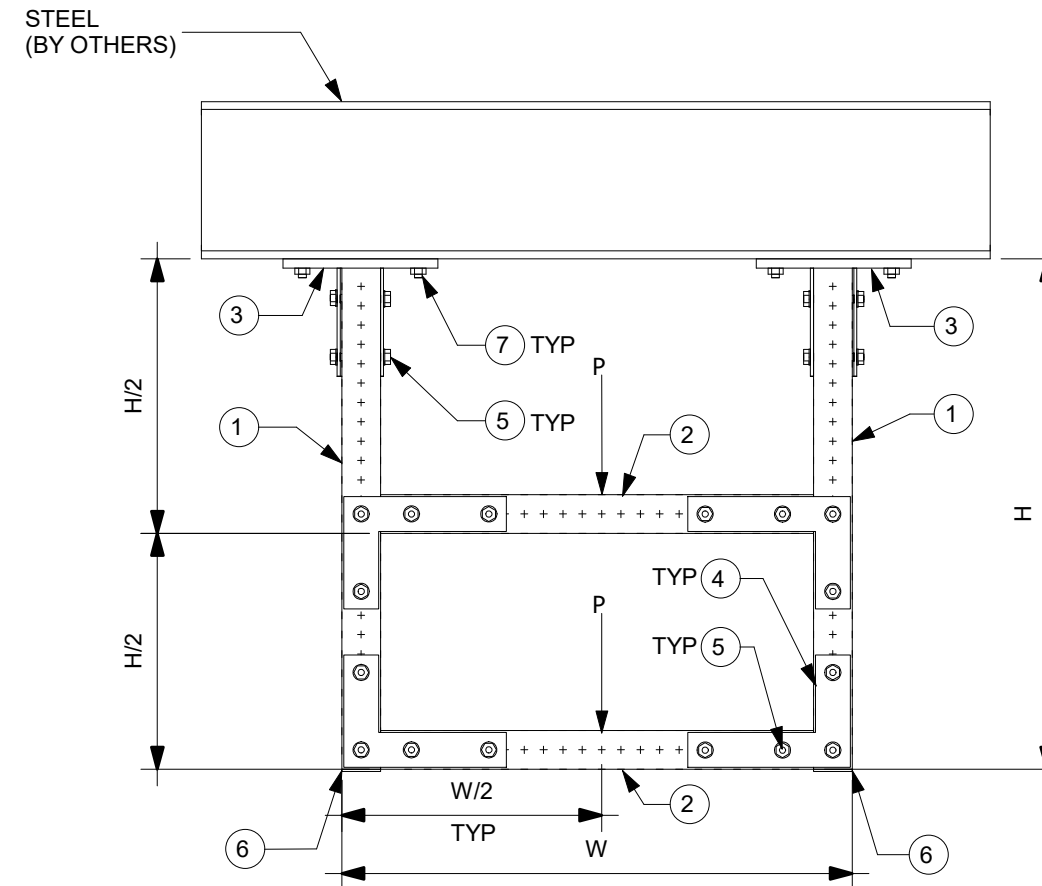
C. TYPICAL SUPPORT DESIGN IS BASED ON INTERNATIONAL BUILDING CODE (IBC) 2018. SEE TABLE-A FOR ALLOWABLE STRENGTH DESIGN LOADS (STATIC U.N.O.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.

E. 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.

F. 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.

G. X-BT REQUIREMENT: MIN. STEEL BASE MATERIAL THICKNESS SHALL BE 5/16". MIN EDGE DISTANCE SHALL BE 3/8". MIN YIELD STRENGTH OF STEEL SHALL BE $F_y=36\text{KSI}$.



2 ELEVATION
N.T.S.

		TABLE A			
		Max H, in	24	36	48
		Max W, in	24	36	48
ALLOWABLE LOADS, lbs	Vertical (P)	900	720	475	
	Transverse	270	216	142	
	Longitudinal	270	216	142	

ALLOWABLE
LOADS, lbs

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 Hill component and connection design is the published data in the current Hill 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.

PROJECT NAME:

TRAPEZE MT70 S 003

PROJECT DESCRIPTION:

TRAPEZE MT70 S 003

REVISION HISTORY

NO:	DESCRIPTION:	DATE:
A	ISSUE FOR REVIEW	12/14/2020

DRAWN:

MDH

CHECKED:

GAB

DESIGNED:

JDR

REVIEWED:

BVD

PAPER SIZE:

ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
-	TR7S3	1

HILTI



MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268367	MT-80 L OC	2
2	2268367	MT-80 L OC	1
3	2272101	MT-B-GS O4U OC	2
4	2272073	MT-C-GSP L OC	8
5	2272084	MT-TFB OC	52
6	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	8
7	2273698	MT-EC-80	2
8	2268366	MT-80 S OC	1

H. 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.

Max H, in	24	36	48
Max W, in	24	36	48
Vertical (P)	2000	1300	750
Transverse	600	390	225
Longitudinal	600	390	225

ALLOWABLE
LOADS, lbs

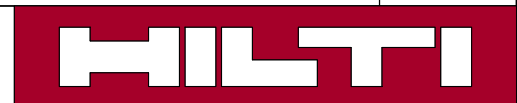
<p>All loading and design criteria supplied by customer is assumed accurate. Only the stated Design Assumptions were considered, and must be verified by the responsible Engineer of Record (EOR). The basis of FRM component and correction design is the published data in the current FRM Technical Guide, 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.</p>	<p style="text-align: center;">REVISION HISTORY</p>		
	<p>NO:</p> <p>A</p>	<p>DESCRIPTION:</p> <p>ISSUE FOR REVIEW</p>	<p>DATE:</p> <p>12/14/2020</p>

PROJECT NAME:

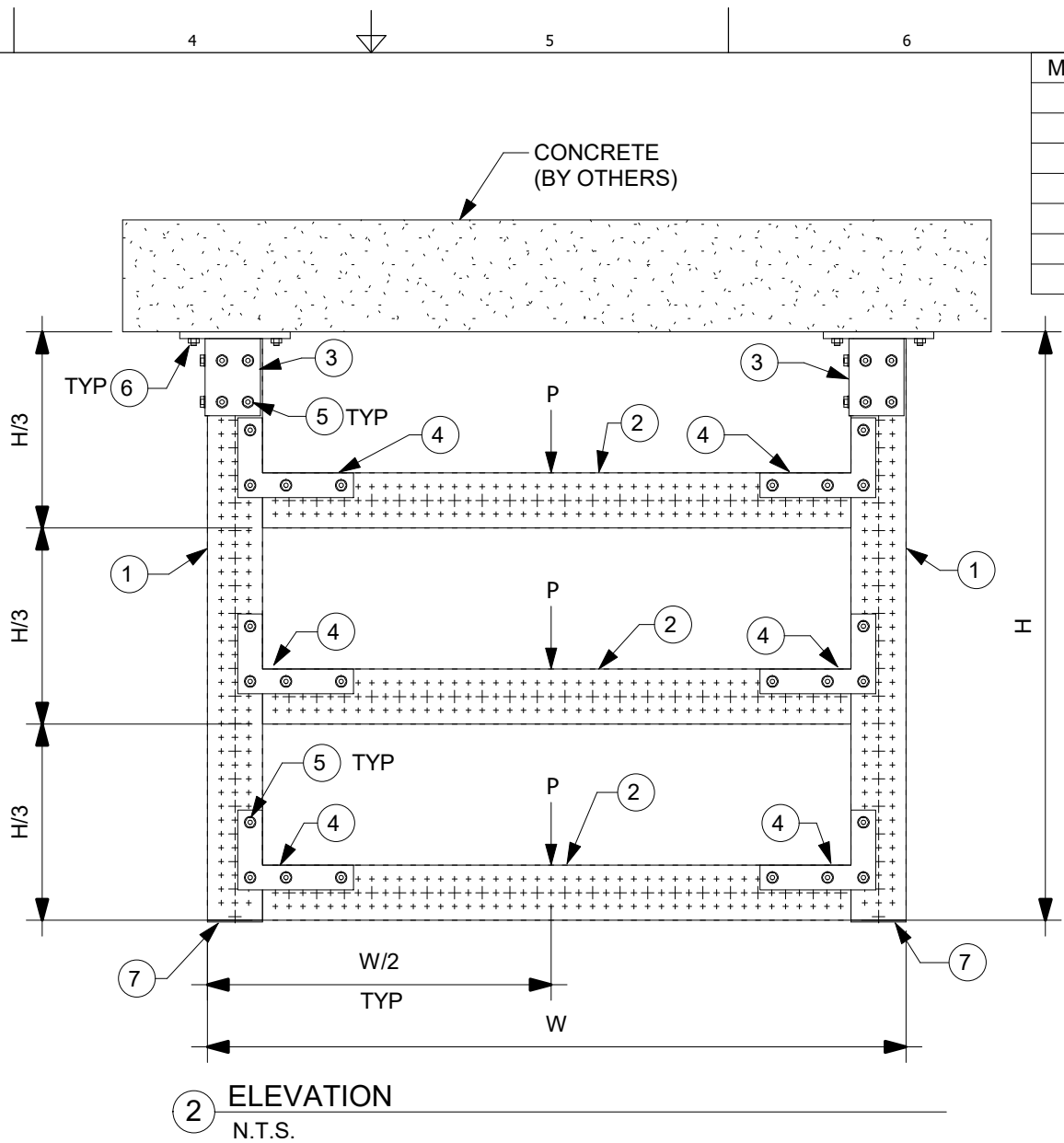
TRAPEZE MT80 C 002

PROJECT DESCRIPTION:	
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TRAPEZE MT80 C 002



DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	JDR	BVD
PAPER SIZE:	PROJECT NUMBER:		
ANSI B	PROJECT	JOB	SHEET
	- TR8C2 -		1



MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268367	MT-80 L OC	2
2	2268367	MT-80 L OC	3
3	2272101	MT-B-GS O4U OC	2
4	2272073	MT-C-GSP L OC	12
5	2272084	MT-TFB OC	68
6	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	8
7	2273698	MT-EC-80	2

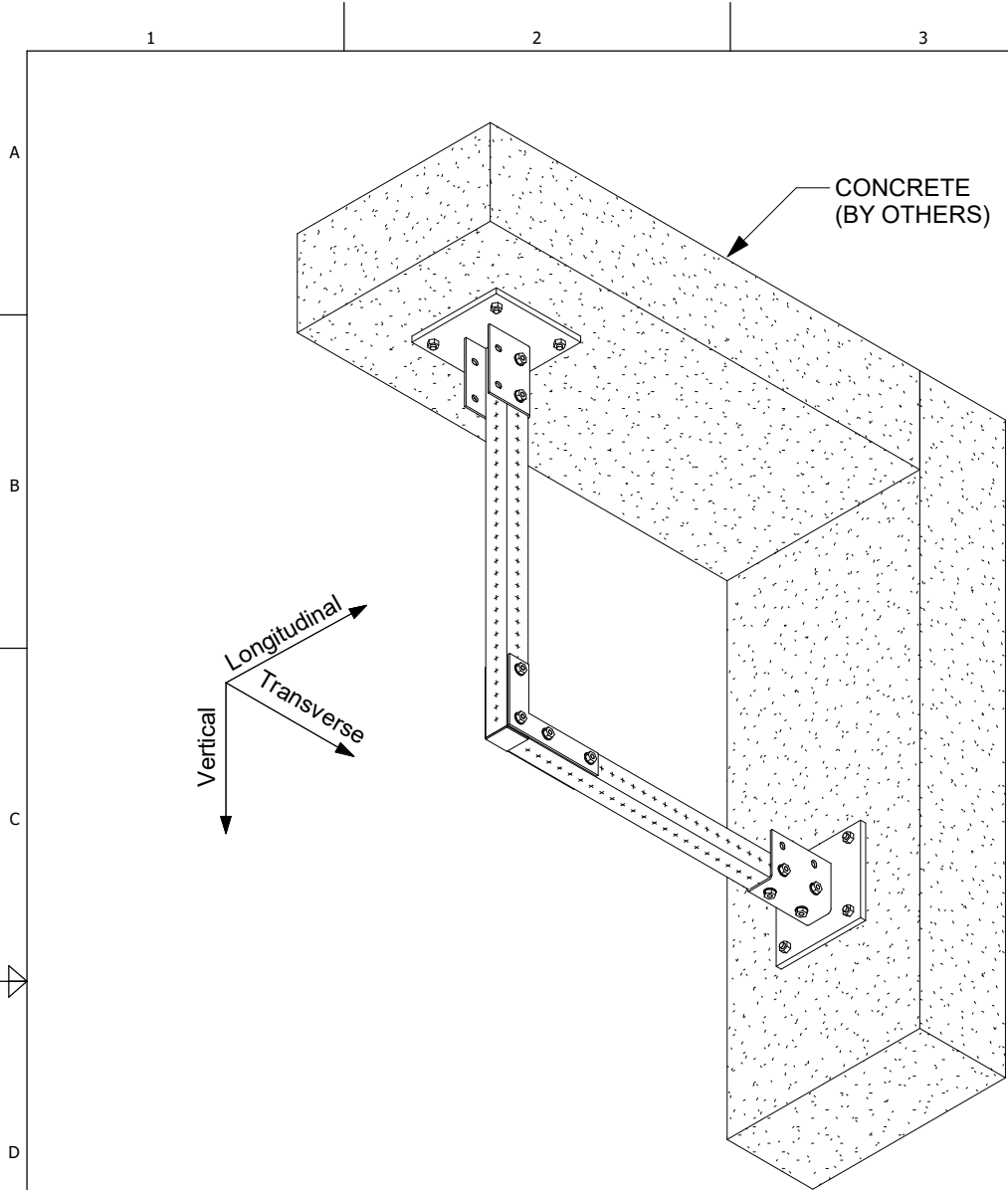
	TABLE A		
	Max H, in	36	48
	Max W, in	36	48
ALLOWABLE LOADS, lbs	Vertical (P)	1000	575
	Transverse	300	173
	Longitudinal	300	173

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 Hill component and connection design is the published data in the current Hill 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:	DESCRIPTION:	DATE:	
A	ISSUE FOR REVIEW		12/14/2020

TRAPEZE MT80 C 003

TRAPEZE MT80 C 003

HILTI			
DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	JDR	BVD
PAPER SIZE:	PROJECT NUMBER:		
ANSI B	PROJECT	JOB	SHEET
	- TR8C3 -		1



1 ISOMETRIC
N.T.S.

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

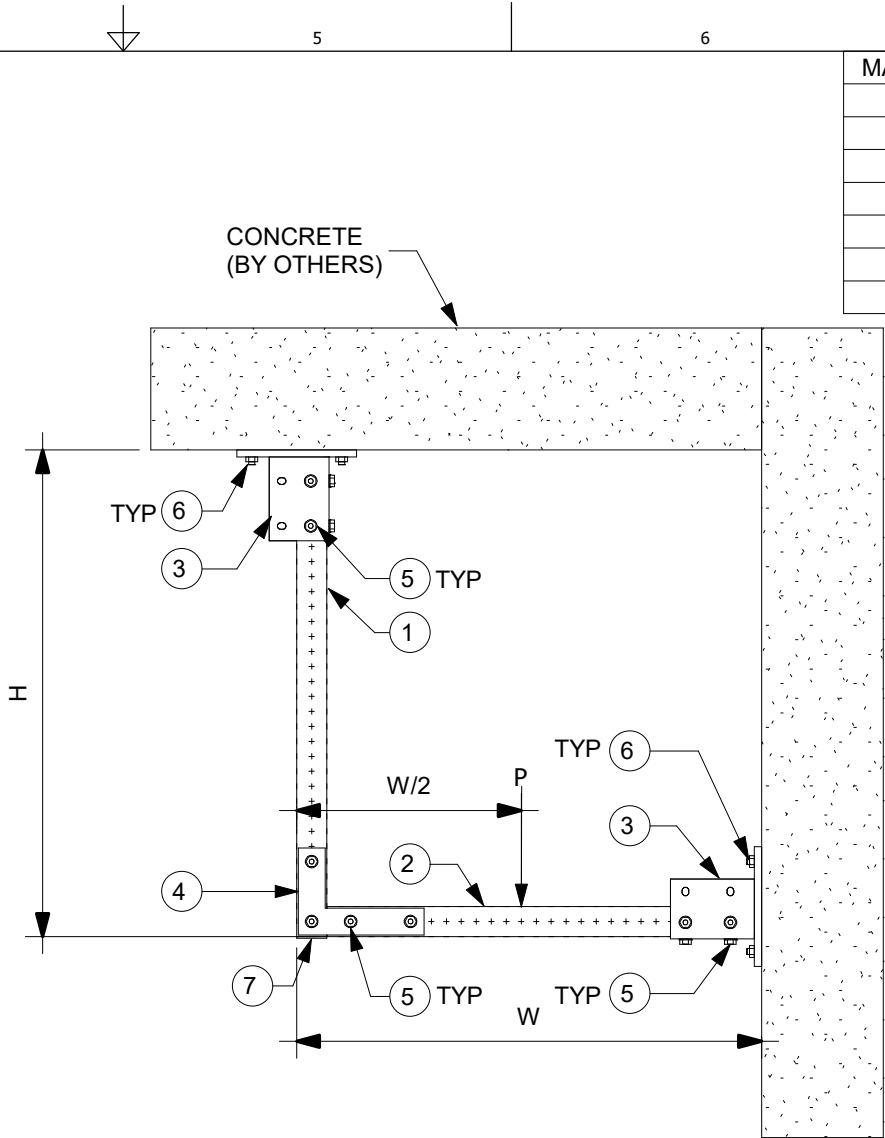
D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED

E. 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.

F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION.

G. USE 1/2" DIA. HILTI KWIK BOLT-TZ WITH MIN 3-5/8" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-1917 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH F'C= 3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".

H. 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.




2 ELEVATION
N.T.S.

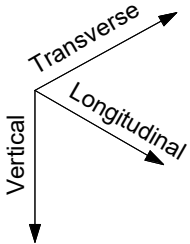
TABLE A				
Max H, in	24	36	48	
Max W, in	24	36	48	
Vertical (P)	1575	1050	800	
Transverse	472	315	240	
Longitudinal	472	315	240	

ALLOWABLE
LOADS, lbs

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	1
2	2268365	MT-70 L OC	1
3	2272101	MT-B-GS O4U OC	2
4	2272073	MT-C-GSP L OC	2
5	2272084	MT-TFB OC	20
6	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	8
7	2273697	MT-EC-70	1

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:	DESCRIPTION:	DATE:
		A	ISSUE FOR REVIEW	12/11/2020

PROJECT NAME:					
TRAPEZE MT70 C 001		DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
PROJECT DESCRIPTION:		GAB	IDP	JDR	BVD
TRAPEZE MT70 C 001		PAPER SIZE:	PROJECT NUMBER:		
		ANSI B	PROJECT	JOB	SHEET
			- TR7C1 -		1



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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED

E. 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.

F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION. THREAD FORMING BOLD MAY BE INSTALLED USING A TORQUE WRENCH OR SI-AT-A22 PER INSTRUCTION FOR USE.

G. USE 1/2" DIA. HILTI KWIK BOLT-TZ WITH MIN 3-5/8" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-1917 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH F'C= 3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".

H. 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



ALLOWABLE
LOADS, lbs

A

E



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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.

E. 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 EQUAL DISTANCE FROM END. A SEPARATE ANALYSIS MUST BE PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUSLY.

F. 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.

G. X-BT REQUIREMENT: MIN. STEEL BASE MATERIAL THICKNESS SHALL BE 5/16". MIN EDGE DISTANCE SHALL BE 3/8". MIN YIELD STRENGTH OF STEEL SHALL BE $F_y=36$ KSI.

ALLOWABLE
LOADS, lbs

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268367	MT-80 L OC	1
2	2268367	MT-80 L OC	1
3	2272101	MT-B-GS O4U OC	1
4	2272075	MT-C-GLP T OC	2
5	2272084	MT-TFB OC	26
6	2194341	X-BT-MR W10/15 SN 8	4
7	2273698	MT-EC-80	2

All loading and design criteria supplied by Customer is assumed accurate. Only the verified Design Assumptions were considered, and must be stated 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. Modifications to components and/or design may alter performance and must be evaluated by the EOR.


REVISION HISTORY		
NO:	DESCRIPTION:	DATE:
A	ISSUE FOR REVIEW	12/11/2020

PROJECT NAME:

T-POST MT80 S 001

PROJECT DESCRIPTION:

T-POST MT80 S 001

			
DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
MDH	IDP	JDR	BVD
PAPER SIZE:	PROJECT NUMBER:		
ANSI B	PROJECT	JOB	SHEET
	- TP8S1 -		1

CONCRETE
(BY OTHERS)

1 ISOMETRIC
N.T.S.

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD OR WIND LOADING BASED ON WIND CRITERIA NOTED ON WIND DESIGN BASIS SHEET.

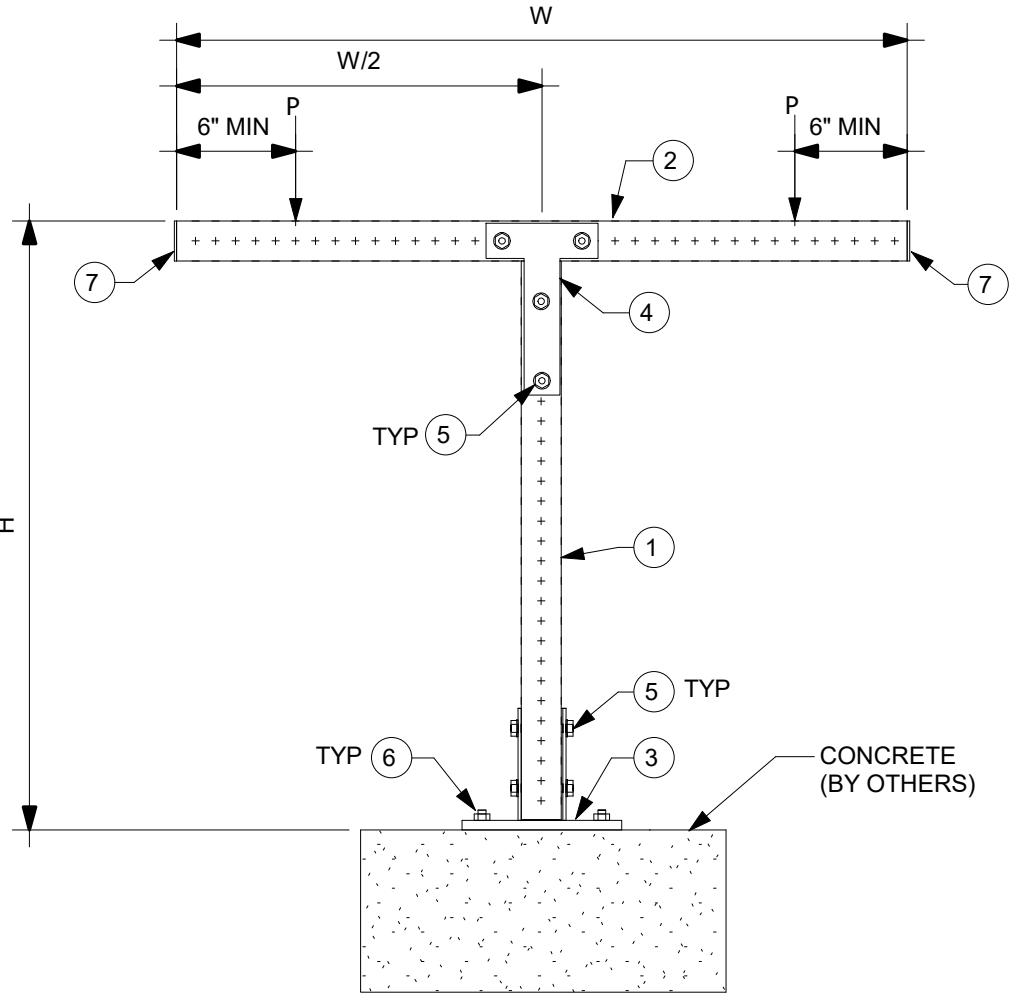
D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED

E. 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 EQUAL DISTANCE FROM END. A SEPARATE ANALYSIS MUST BE PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUSLY.

F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION.

G. USE 1/2" DIA. HILT KWIK BOLT-TZ WITH MIN 3-5/8" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-1917 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH F'C= 3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".

H. 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.




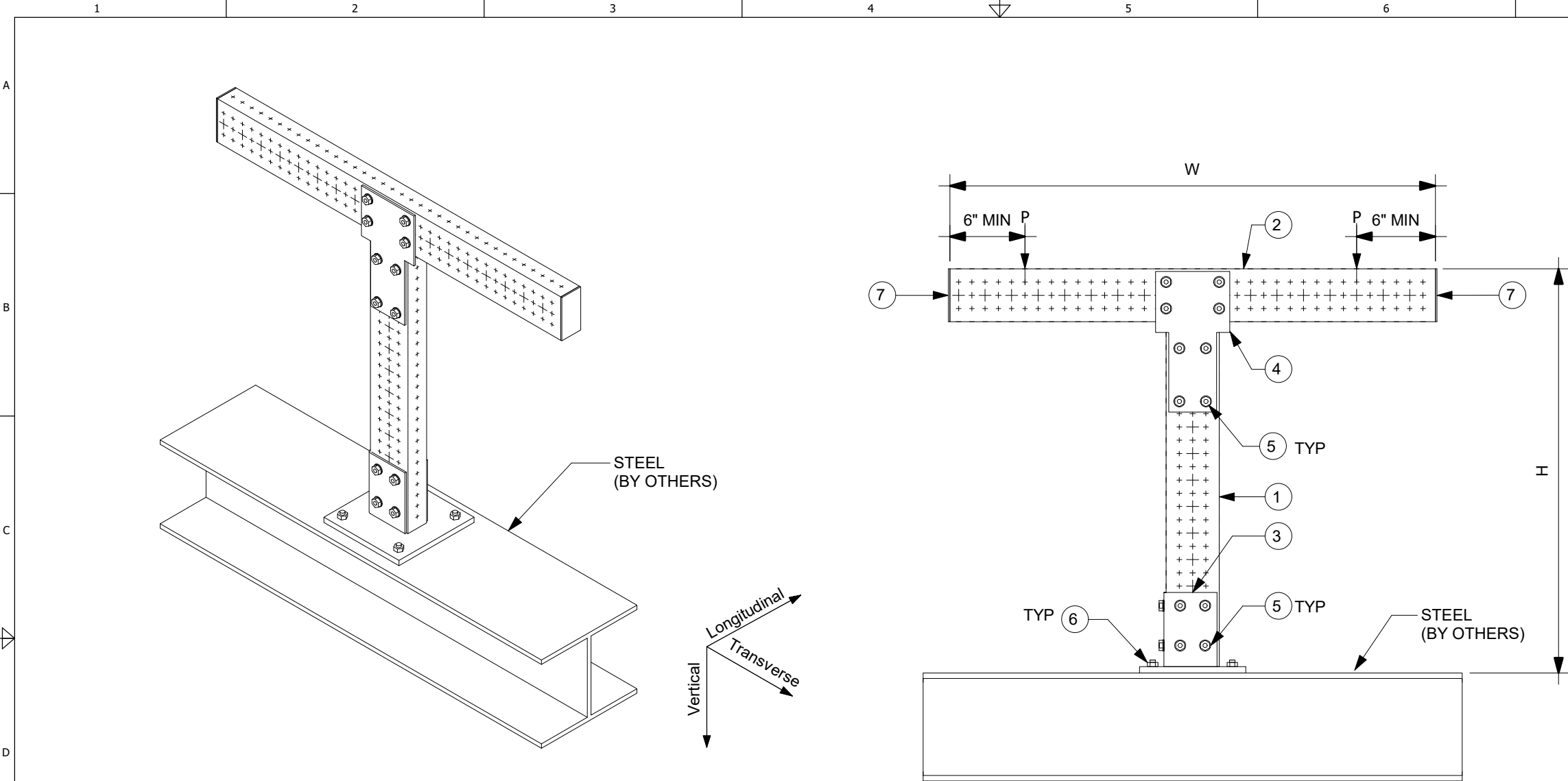
2 ELEVATION
N.T.S.

TABLE A				
ALLOWABLE LOADS, lbs	Max H, in	24	36	48
	Max W, in	24	36	48
	Vertical (P)	375	160	90
	Transverse	112	48	27
	Longitudinal	112	48	27

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	1
2	2268365	MT-70 L OC	1
3	2272101	MT-B-GS O4U OC	1
4	2272074	MT-C-GSP T OC	2
5	2272084	MT-TFB OC	14
6	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	4
7	2273697	MT-EC-70	2

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:	DESCRIPTION:	DATE:
		A	ISSUE FOR REVIEW	09/21/2020

PROJECT NAME:					
T-POST MT70 C 001		DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
PROJECT DESCRIPTION:		GAB	IDP	JDR	BVD
T-POST MT70 C 001		PAPER SIZE:	PROJECT NUMBER:		
		ANSI B	PROJECT	JOB	SHEET
			- TP7C2	-	1



MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268367	MT-80 L OC	1
2	2268367	MT-80 L OC	1
3	2272101	MT-B-GS O4U OC	1
4	2272075	MT-C-GLP T OC	2
5	2272084	MT-TFB OC	26
6	2194341	X-BT-MR W10/15 SN 8	4
7	2273698	MT-EC-80	2

1 ISOMETRIC
N.T.S.

2 ELEVATION
N.T.S.

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.

E. 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 EQUAL DISTANCE FROM END. A SEPARATE ANALYSIS MUST BE PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUSLY.

F. 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.

G. X-BT REQUIREMENT: MIN. STEEL BASE MATERIAL THICKNESS SHALL BE 5/16". MIN EDGE DISTANCE SHALL BE 3/8". MIN YIELD STRENGTH OF STEEL SHALL BE FY=36KSI.

TABLE A				
Max H, in	24	36	48	
Max W, in	24	36	48	
Vertical (P)	925	420	240	
Transverse	278	210	72	
Longitudinal	278	210	72	

ALLOWABLE
LOADS, lbs

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PROJECT NAME:

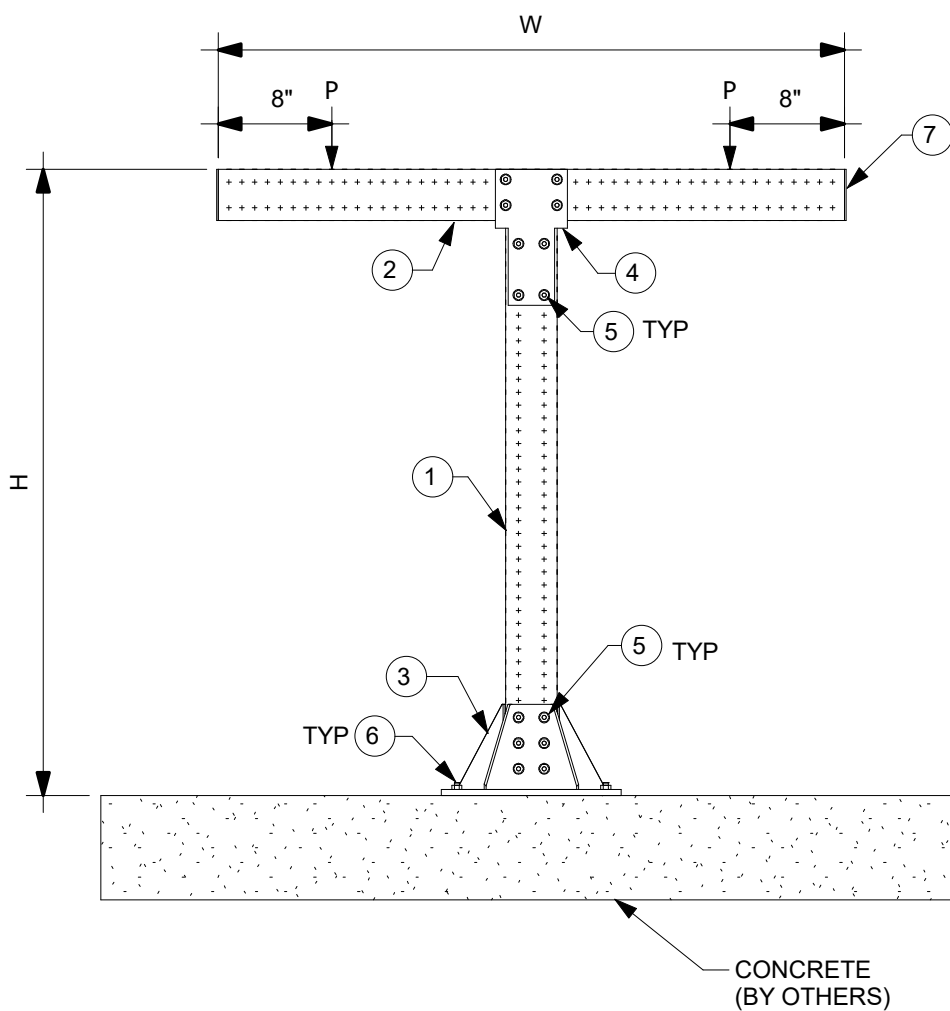
T-POST MT80 S 002

PROJECT DESCRIPTION:

T-POST MT80 S 002

REVISION HISTORY

NO:	DESCRIPTION:	DATE:
A	ISSUE FOR REVIEW	12/11/2020



MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268369	MT-90 OC	1
2	2268369	MT-90 OC	1
3	2272103	MT-B-GL-O4 OC	1
4	2272075	MT-C-GLP T OC	2
5	2272084	MT-TFB OC	40
6	387530	ANCHOR KB-TZ 5/8" X 4-3/4" SS304	4
7	2273699	MT-EC-90	2

2 ELEVATION
N.T.S.

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. 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.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.

D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED

E. 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.

F. 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.

G. USE 1/2" DIA. HILT KWIK BOLT-TZ WITH MIN 3-5/8" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-1917 AND HILT'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH F'C=3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".

H. 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

Max H, in	60	72	84
Max W, in	60	72	84
Vertical (P)	600	425	325
Transverse	180	127	97
Longitudinal	180	127	97

ALLOWABLE
LOADS, lbs

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.

NO:

DESCRIPTION:

DATE:

A

ISSUE FOR REVIEW

12/18/2020

PROJECT NAME:

T-POST - MT90 - C - 001

PROJECT DESCRIPTION:

DRAWN:

GAB

CHECKED:

IDP

DESIGNED:

JDR

REVIEWED:

BVD

PAPER SIZE:

ANSI B

PROJECT NUMBER:

PROJECT

JOB

SHEET

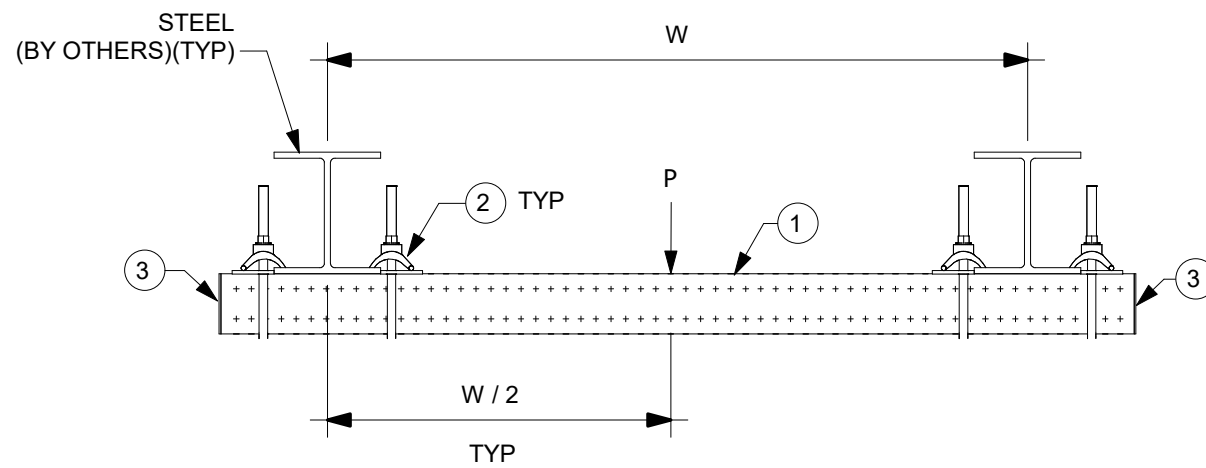
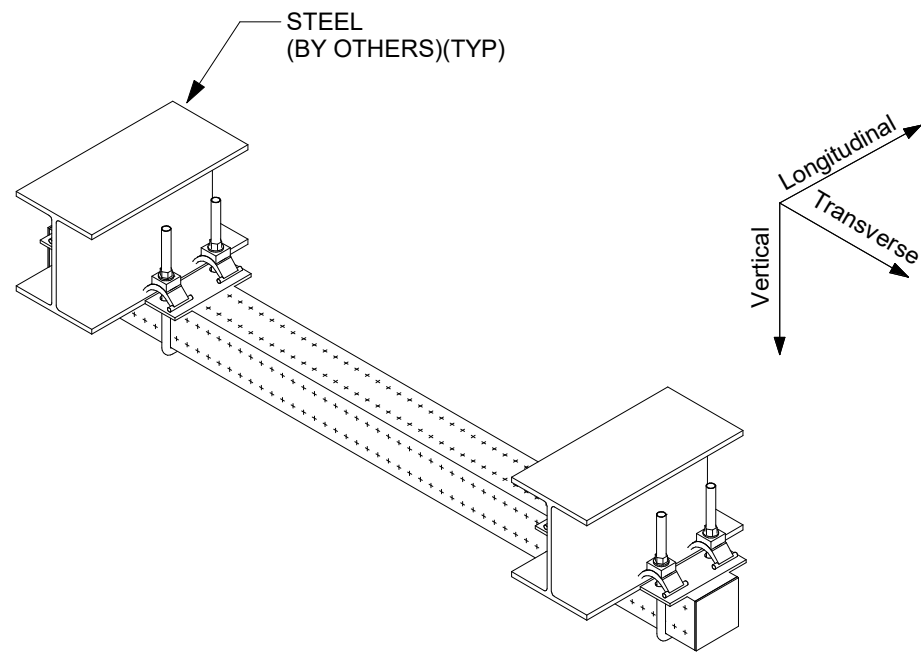
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TP9C1

-

1

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268369	MT-90 OC	1
2	2273589	MT-BC-GXL T OC	4
3	2273699	MT-EC-90	2



1 ISOMETRIC
N.T.S.

2 ELEVATION
N.T.S.

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. THE ENGINEER OF RECORD SHALL EVALUATE THIS TYPICAL SUPPORT TO DETERMINE ITS SUITABILITY FOR THE ACTUAL PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.

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D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.

E. 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.

F. 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.


		TABLE A		
		Max W, in	96	192
ALLOWABLE LOADS, lbs	Vertical (P)	650	325	
	Transverse	195	98	
	Longitudinal	195	98	

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REVISION HISTORY			
NO:	DESCRIPTION:		DATE:
A	ISSUE FOR REVIEW		01/07/2021

PROJECT NAME:

HEADER BEAM 001

			
DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	JDR	BVD

PROJECT DESCRIPTION:

HEADER BEAM 001

PAPER SIZE: ANSI B	PROJECT NUMBER:		
	PROJECT	JOB	SHEET
	- HB9S1 -	1	