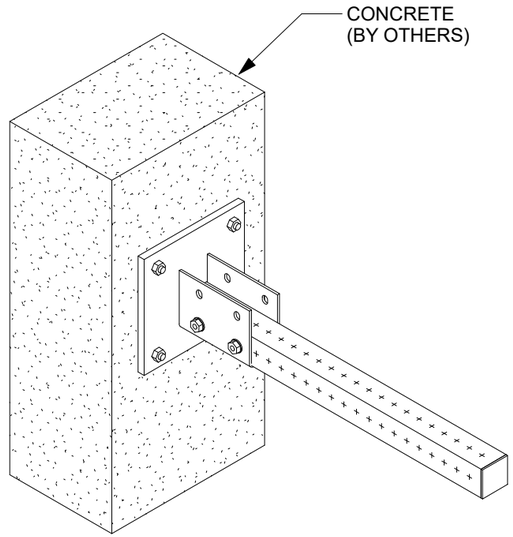
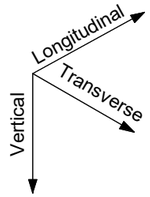
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	1
2	2272101	MT-B-GS O4U OC	1
3	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	4
4	2272084	MT-TFB OC	6
5	2273697	MT-EC-70	1





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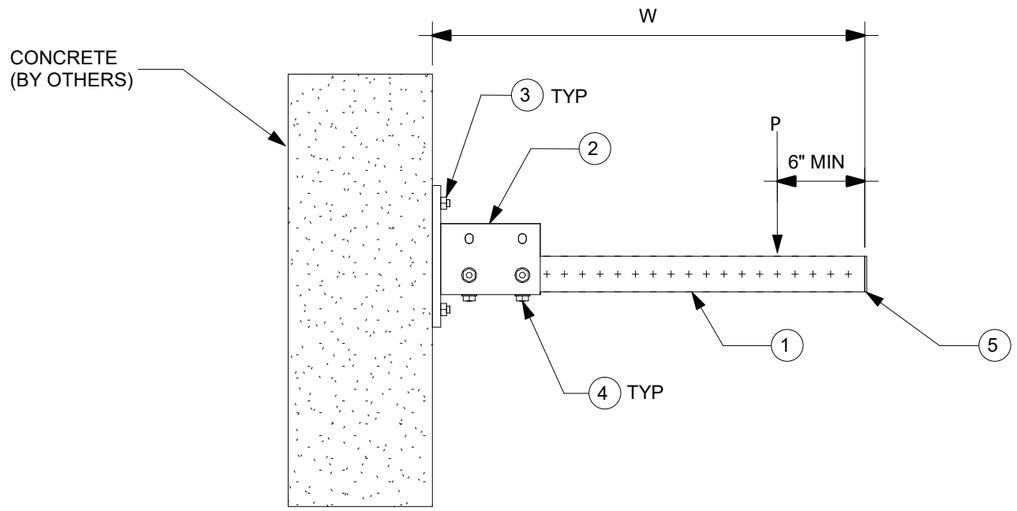
N.T.S.



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.

G. USE ½" 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.

TABLE A			
	Max W, in	18	24
ALLOWABLE LOADS, lbs	Vertical (P)	725	475
	Transverse	218	142
	Longitudinal	218	142

REVISION HISTORY

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

PROJECT NAME:
CANTILEVER MT70 C 001

PROJECT DESCRIPTION:
CANTILEVER MT70 C 001

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

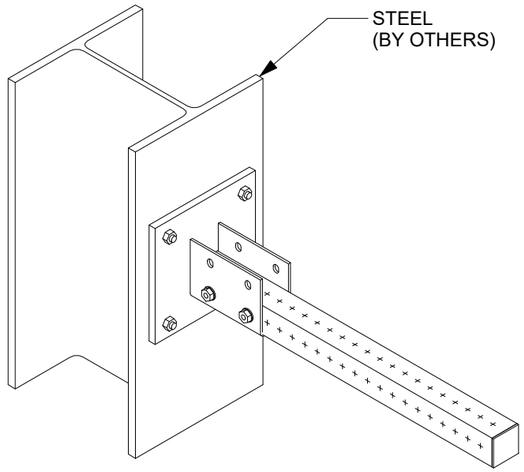
PAPER SIZE: ANSI B

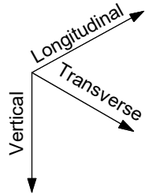
PROJECT NUMBER:

PROJECT	JOB	SHEET
-	CT7C1 -	1

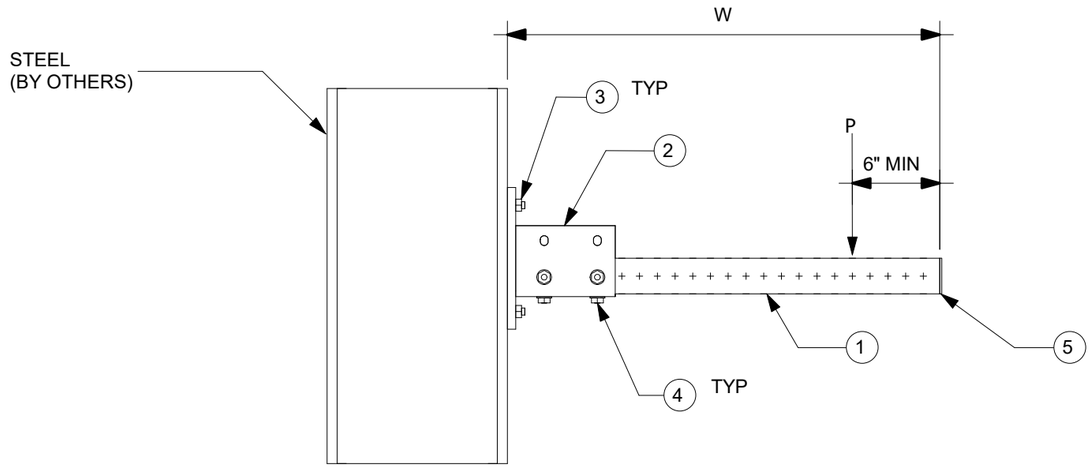
BIM 360://Hilti - MT Typicals/CT7C1.rvt

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

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:
CANTILEVER MT70 S 001

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

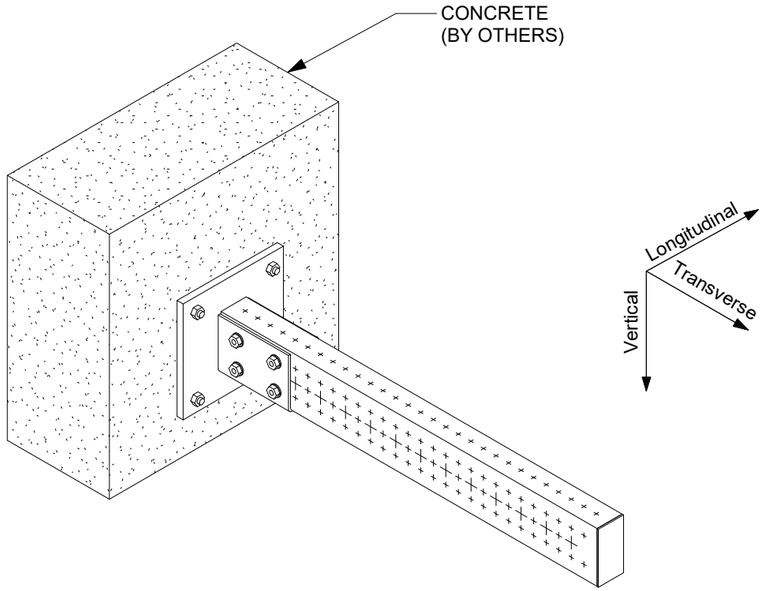
PAPER SIZE: ANSI B

PROJECT NUMBER:

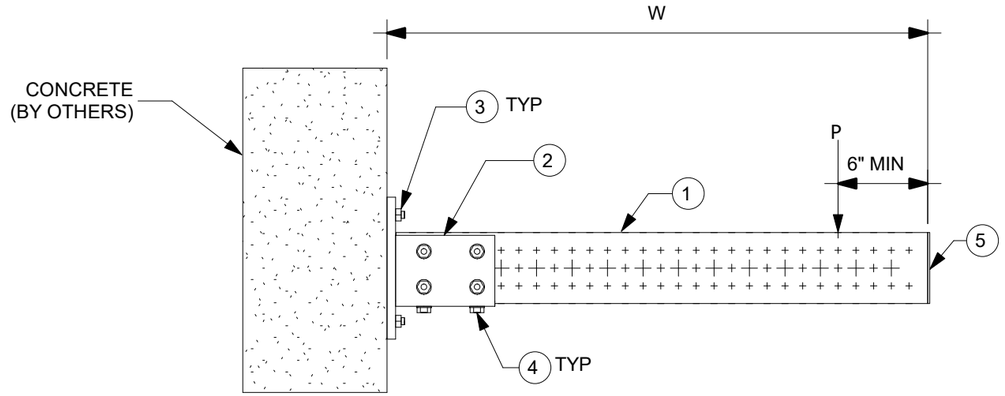
PROJECT	JOB	SHEET
	- CT7S1 -	1

BIM 360://Hilti - MT Typicals/CT7S1.rvt

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



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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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 ½" 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.

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

REVISION HISTORY

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

PROJECT NAME:
CANTILEVER MT80 C 001

PROJECT DESCRIPTION:
CANTILEVER MT80 C 001

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

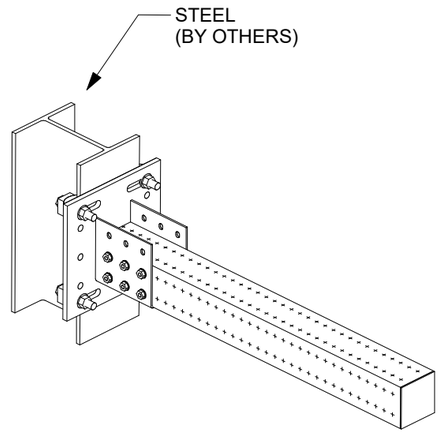
PAPER SIZE: ANSI B

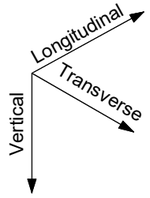
PROJECT NUMBER:

PROJECT	JOB	SHEET
	- CT8C1 -	1

BIM 360://Hilti - MT Typicals/CT8C1.rvt

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268369	MT-90 OC	1
2	VARIES	MT-B-GXL S+ OC (SEE TABLE)	1
3	2272084	MT-TFB OC	18
4	387398	MI-SGC M16	4
5	2273699	MT-EC-90	1





1 ISOMETRIC
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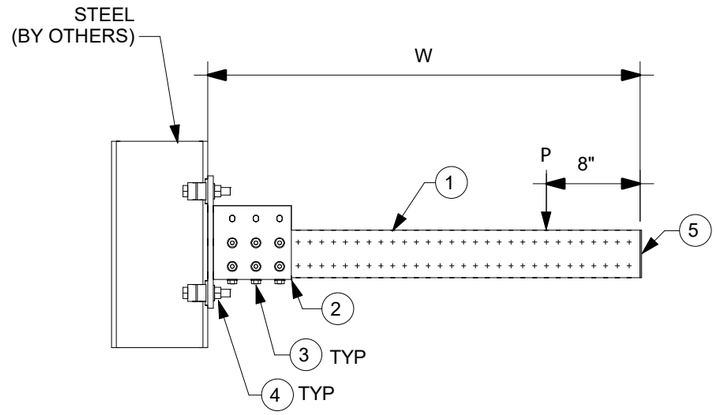


2 ELEVATION
N.T.S.

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.

TABLE A			
	Max W, in	36	48
ALLOWABLE LOADS, lbs	Vertical (P)	1100	800
	Transverse	330	240
	Longitudinal	330	240

REVISION HISTORY

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

PROJECT NAME:
CANTILEVER MT90 S 001

PROJECT DESCRIPTION:
CANTILEVER MT90 S 001

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

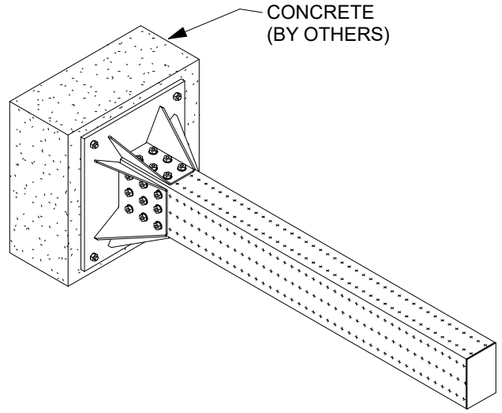
PAPER SIZE: ANSI B

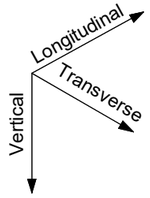
PROJECT NUMBER:

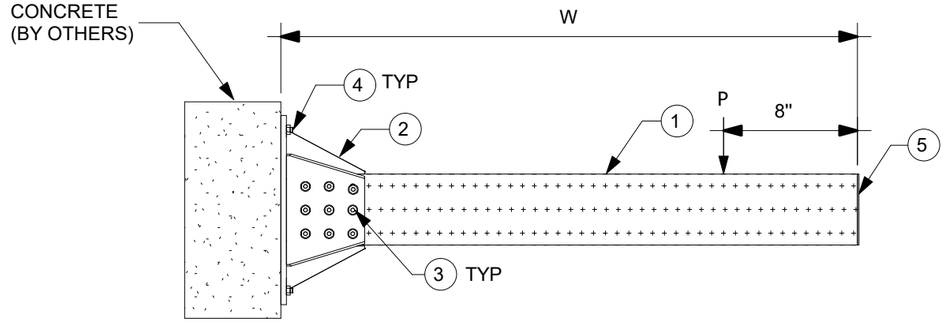
PROJECT	JOB	SHEET
-	CT9S1 -	1

BIM 360://Hilti - MT Typicals/CT9S1.rvt

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.

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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.

G. USE ½" 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

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

REVISION HISTORY

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

PROJECT NAME:
CANTILEVER - MT100 - C - 001

PROJECT DESCRIPTION:
CANTILEVER - MT100- C - 001

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

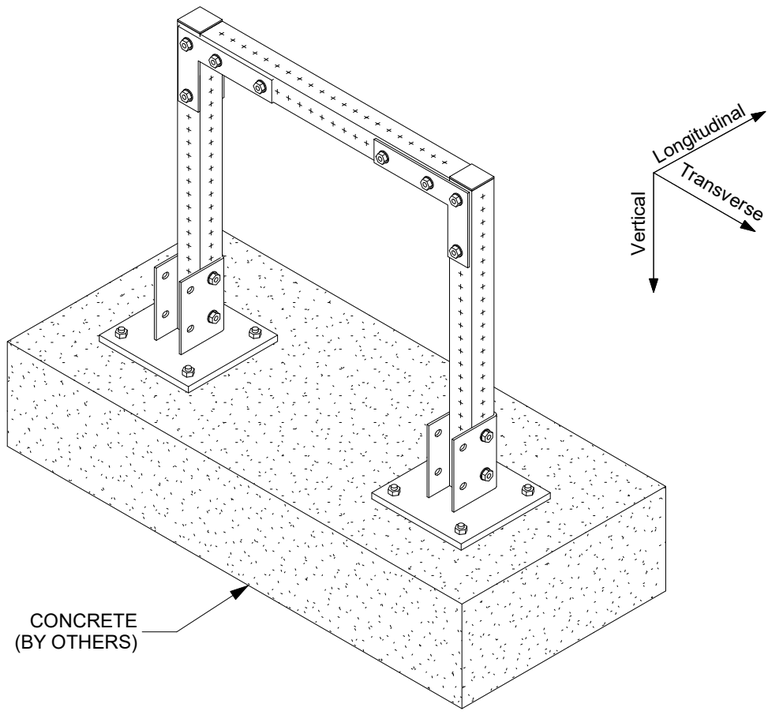
PAPER SIZE: ANSI B

PROJECT NUMBER:

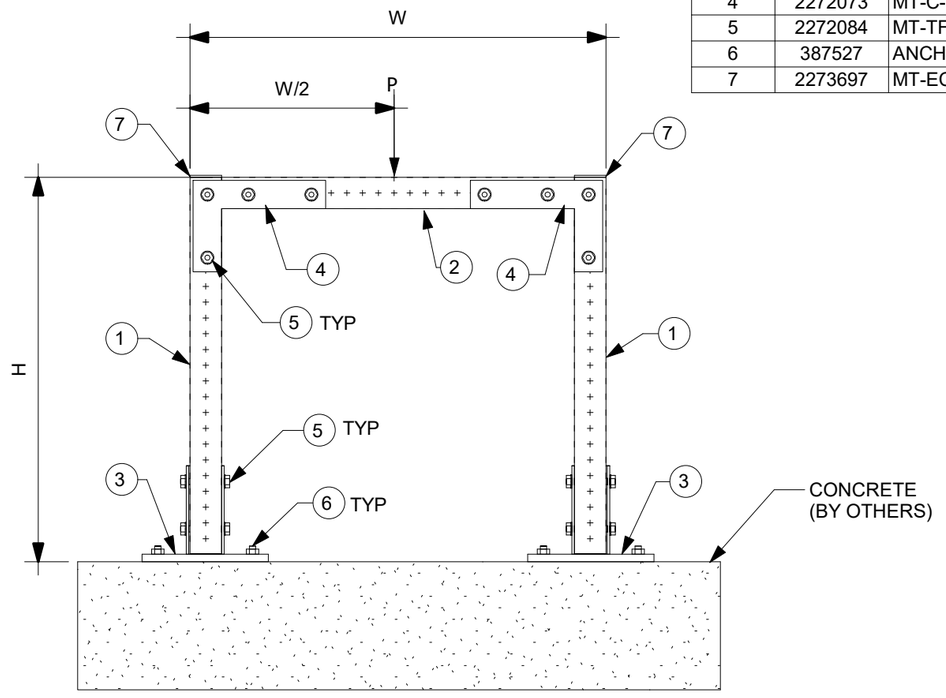
PROJECT	JOB	SHEET
-	CT1C1 -	1

BIM 360://Hilti - MT Typicals/CT9C1.rvt

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	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	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.

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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.

G. USE ½" 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".

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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

REVISION HISTORY

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

PROJECT NAME:
GOAL POST MT70 C 001

PROJECT DESCRIPTION:
GOAL POST MT70 C 001

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

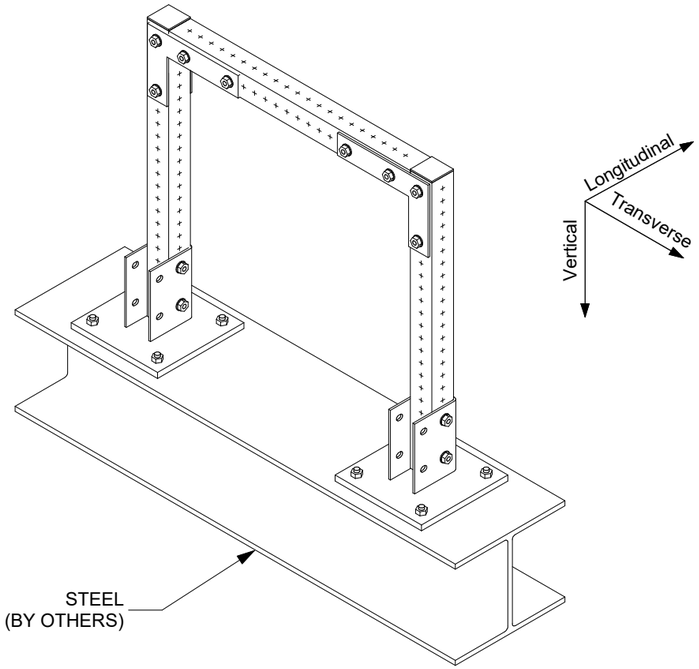
PAPER SIZE: ANSI B

PROJECT NUMBER:

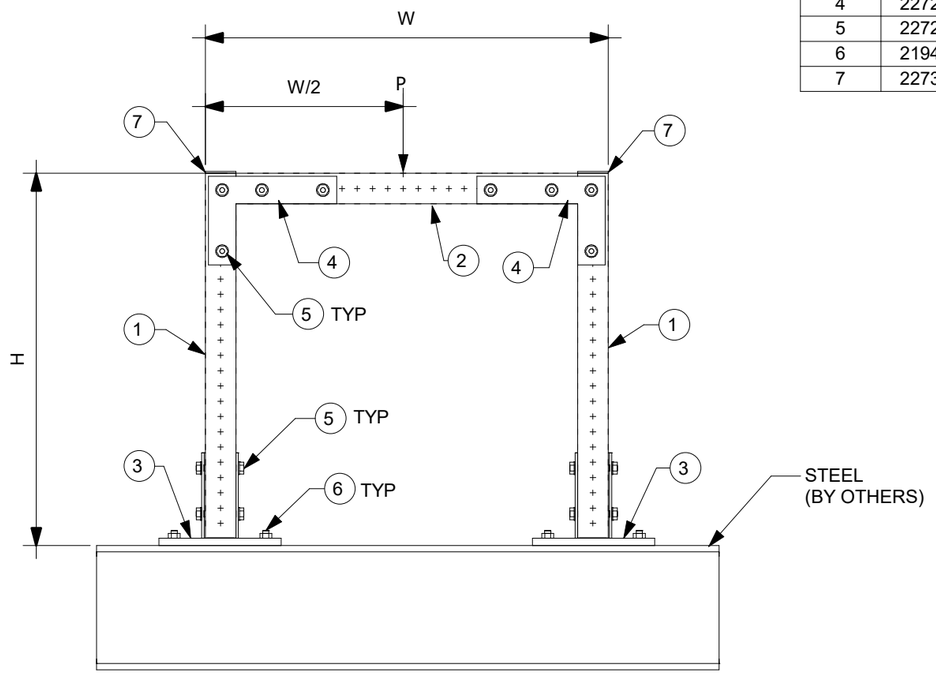
PROJECT	JOB	SHEET
	- GP7C1 -	1

BIM 360://Hilti - MT Typicals/GP7C1.rvt

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 FY=36KSI.

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

REVISION HISTORY

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

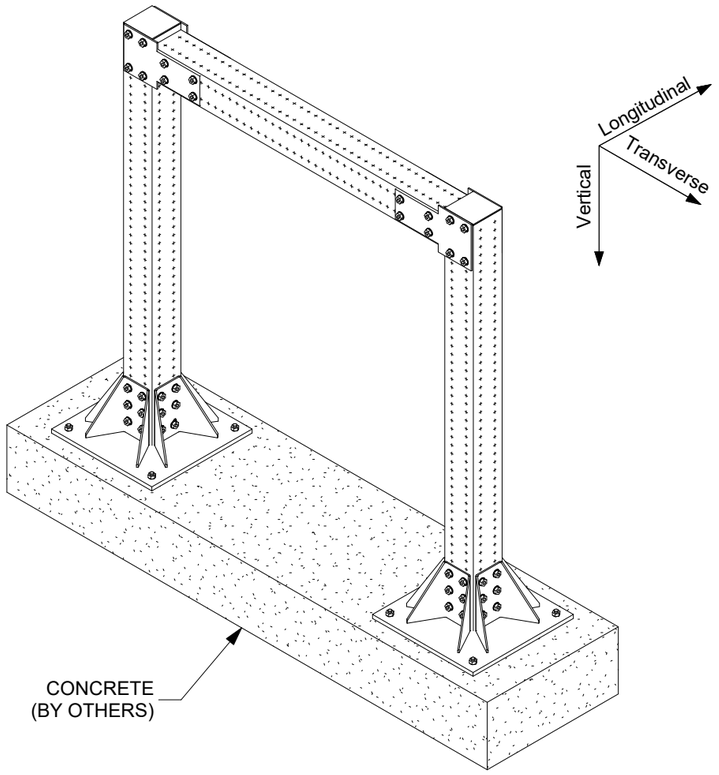
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
-	GP7S1 -	1

BIM 360://Hilti - MT Typicals/GP7S1.rvt

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



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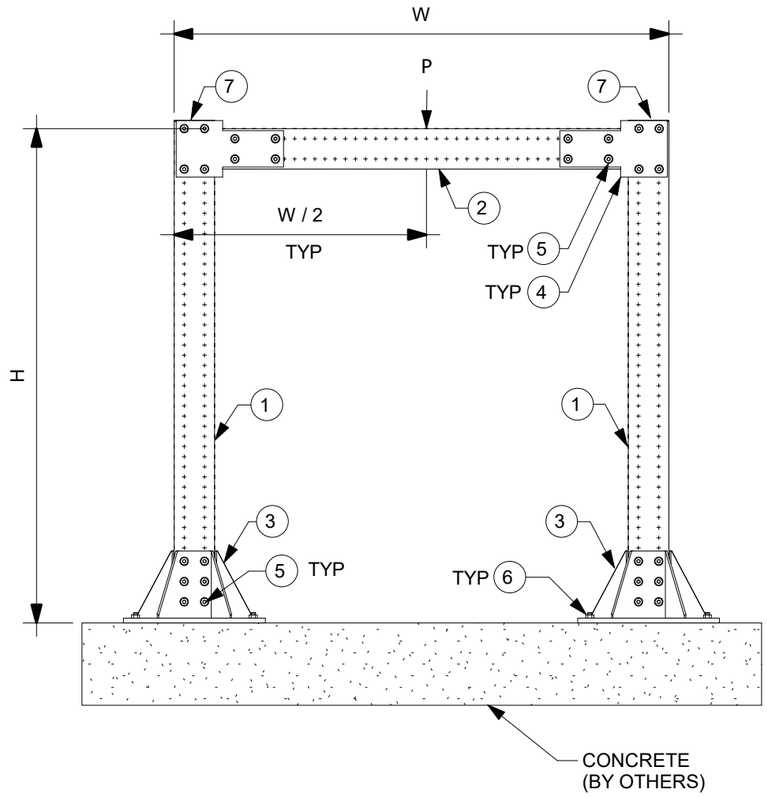

2 ELEVATION
N.T.S.

NOTE(S):

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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 ½" 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

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

REVISION HISTORY

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

PROJECT NAME:
GOALPOST MT90 - C - 001

PROJECT DESCRIPTION:
GOALPOST MT90 - C - 001

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

PAPER SIZE: ANSI B

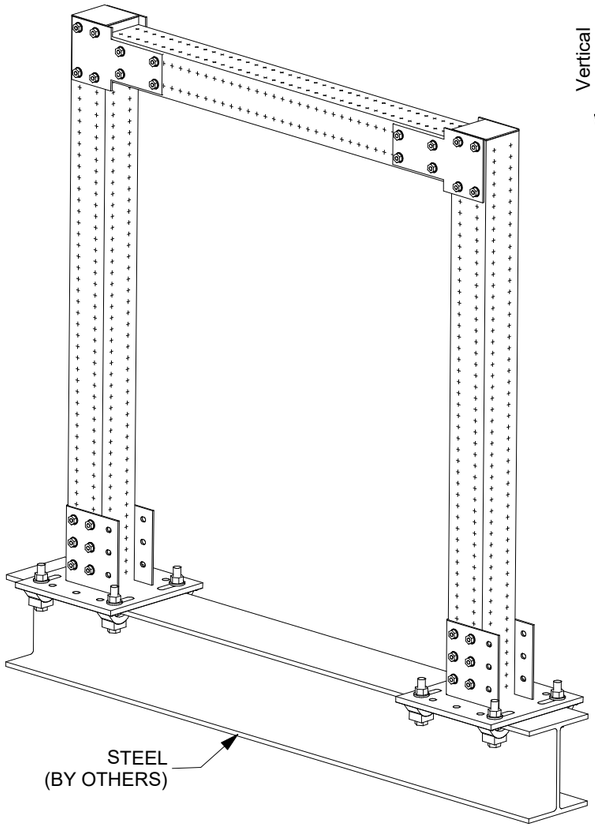
PROJECT NUMBER:

PROJECT	JOB	SHEET
- GP9C1 -		1

BIM 360://Hilti - MT Typicals/GP9C1.rvt

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



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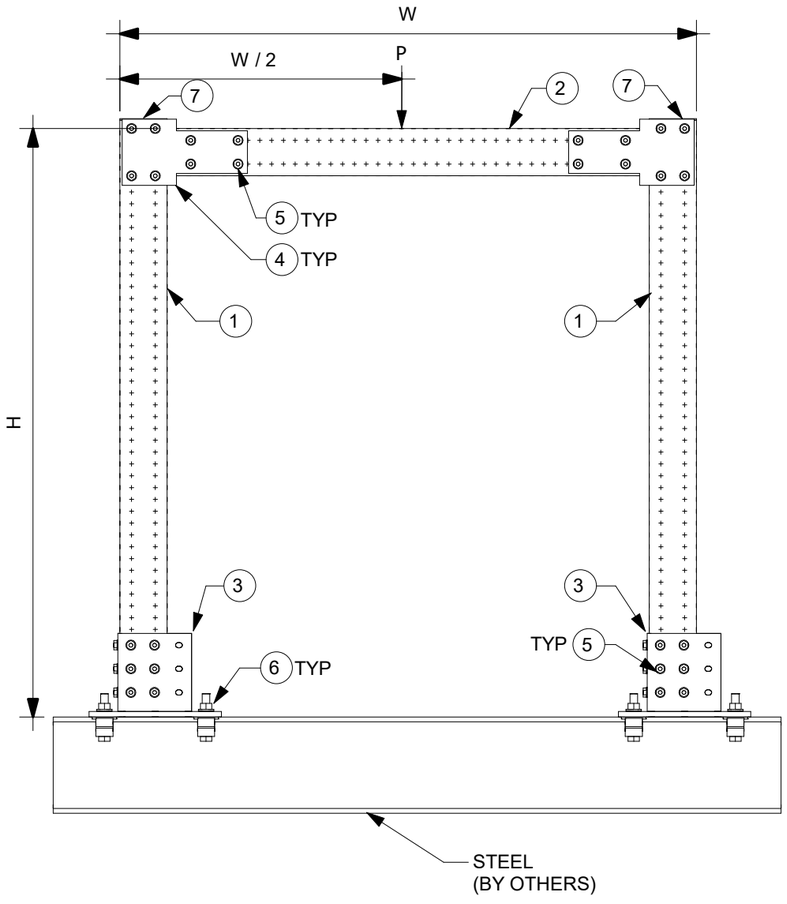
N.T.S.



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.

TABLE A				
	Max H, in	36	48	60
	Max W, in	36	48	60
ALLOWABLE LOADS, lbs	Vertical (P)	4400	3300	2600
	Transverse	1320	990	780
	Longitudinal	1320	990	780

REVISION HISTORY

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

PROJECT NAME:
GOAL POST MT90 S 001

PROJECT DESCRIPTION:
GOAL POST MT90 S 001

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

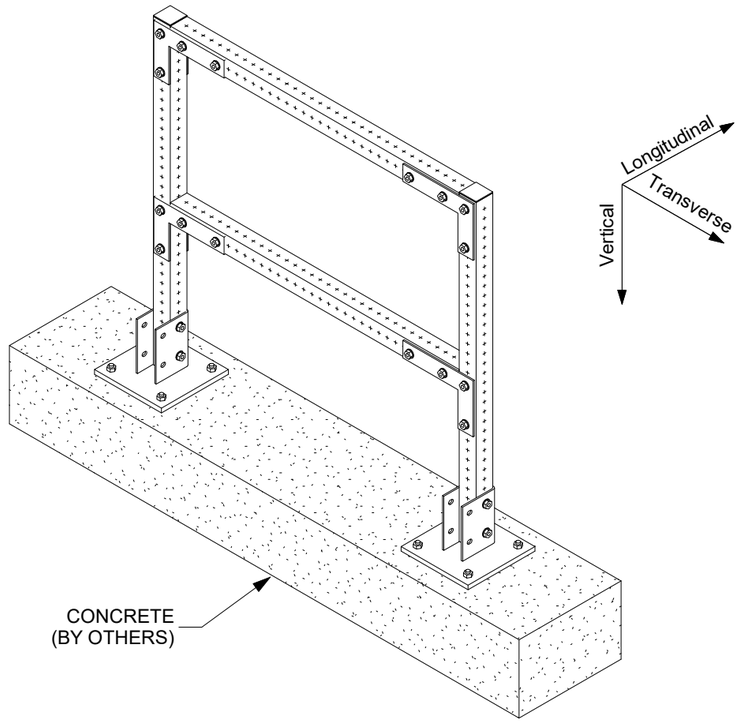
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
-	GP9S1 -	1

BIM 360://Hilti - MT Typicals/GP9S1.rvt

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	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	8
7	2273697	MT-EC-70	2



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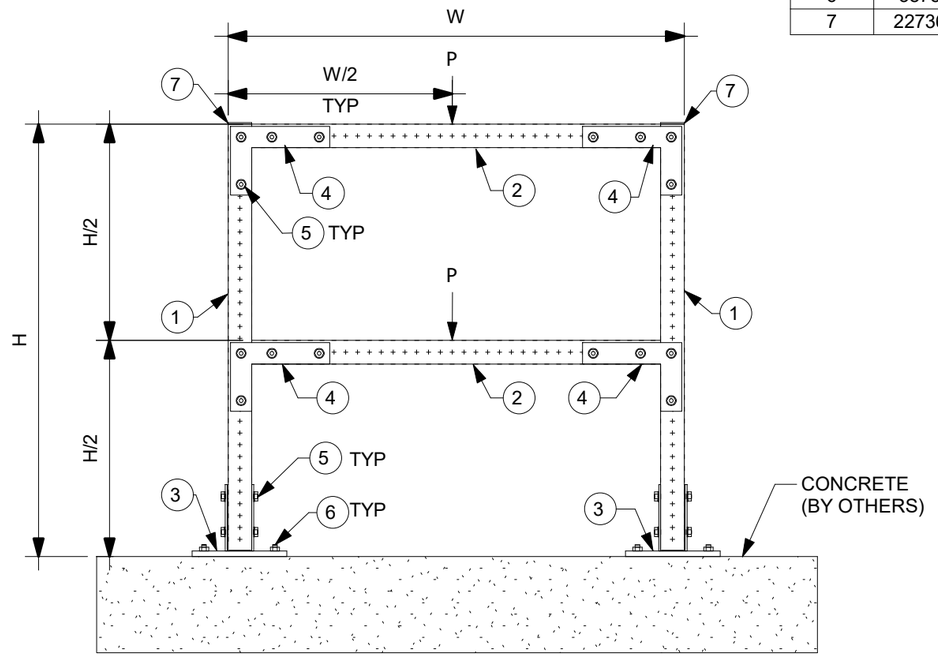
N.T.S.



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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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 ½" 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.

TABLE A				
	Max H, in	24	36	48
	Max W, in	24	36	48
ALLOWABLE LOADS, lbs	Vertical (P)	1400	850	475
	Transverse	420	255	143
	Longitudinal	420	255	143

REVISION HISTORY

NO:	DESCRIPTION:	DATE:
A	ISSUE FOR REVIEW	12/08/2020

PROJECT NAME:
GOAL POST MT70 C 002

PROJECT DESCRIPTION:
GOAL POST MT70 C 002

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

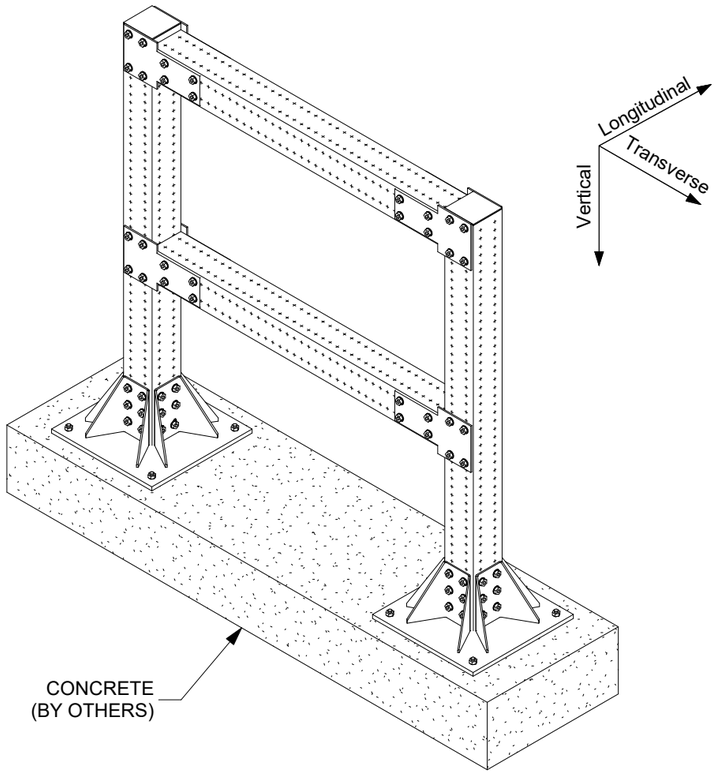
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
-	GP7C2 -	1

BIM 360://Hilti - MT Typicals/GP7C2.rvt

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



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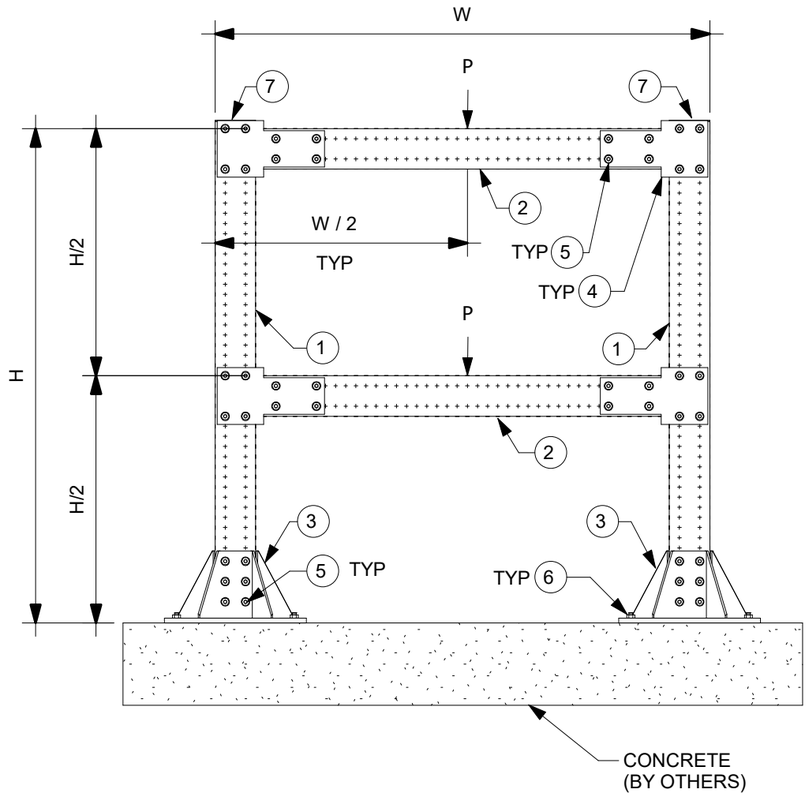

2 ELEVATION
N.T.S.

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 BOLD MAY BE INSTALLED USING A TORQUE WRENCH OR SI-AT-A22 PER INSTRUCTION FOR USE.

G. USE ½" 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

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

REVISION HISTORY

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

PROJECT NAME:
GOALPOST MT90 - C - 002

PROJECT DESCRIPTION:
GOALPOST MT90 - C - 002

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

PAPER SIZE: ANSI B

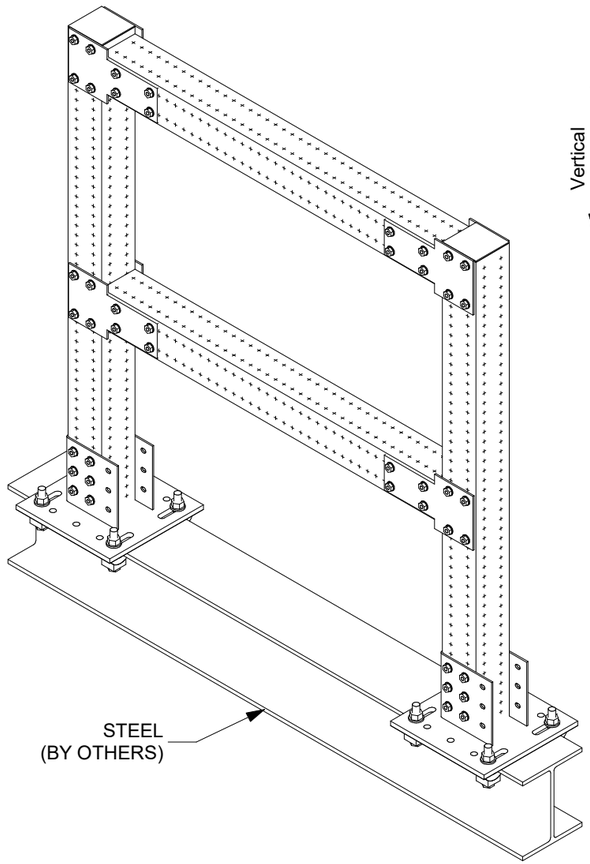
PROJECT NUMBER:

PROJECT	JOB	SHEET
-	GP9C2 -	1

BIM 360://Hilti - MT Typicals/GP9C2.rvt

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268369	MT-90 OC	2
2	2268369	MT-90 OC	2
3	VARIES	MT-B-GXL S+ OC (SEE TABLE)	2
4	2272075	MT-C-GLP T OC	8
5	2272084	MT-TFB OC	100
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



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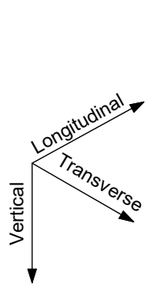
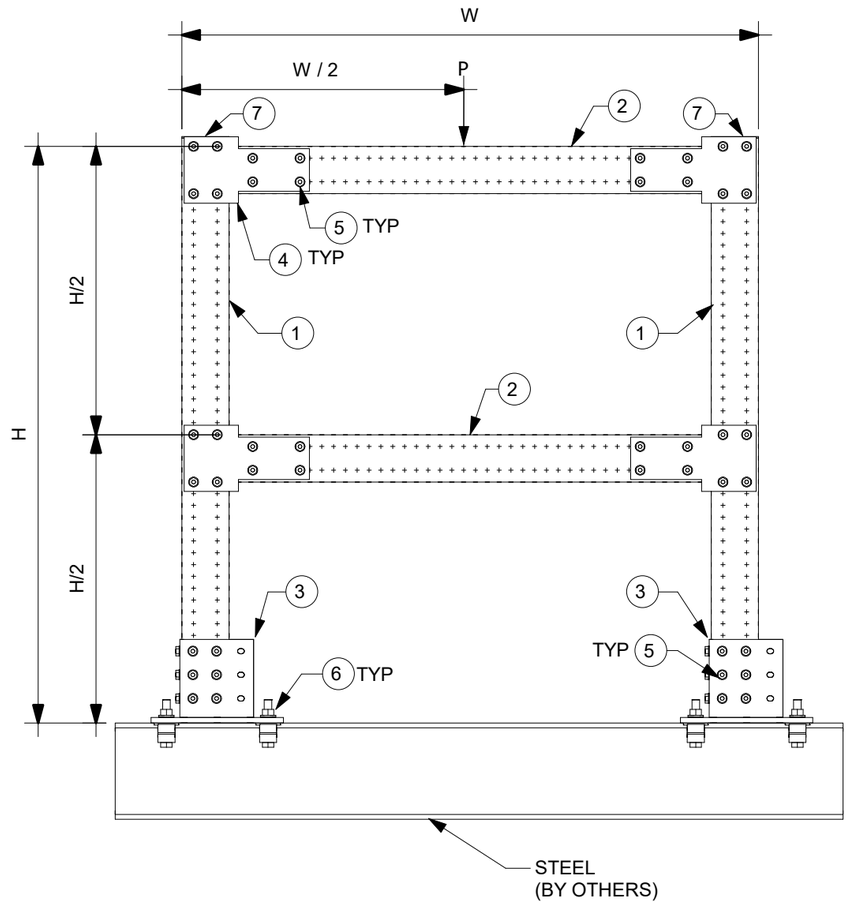
N.T.S.





2 ELEVATION
N.T.S.

NOTE(S):

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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 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

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

PROJECT NAME:
GOAL POST MT90 S 002

PROJECT DESCRIPTION:
GOAL POST MT90 S 002

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

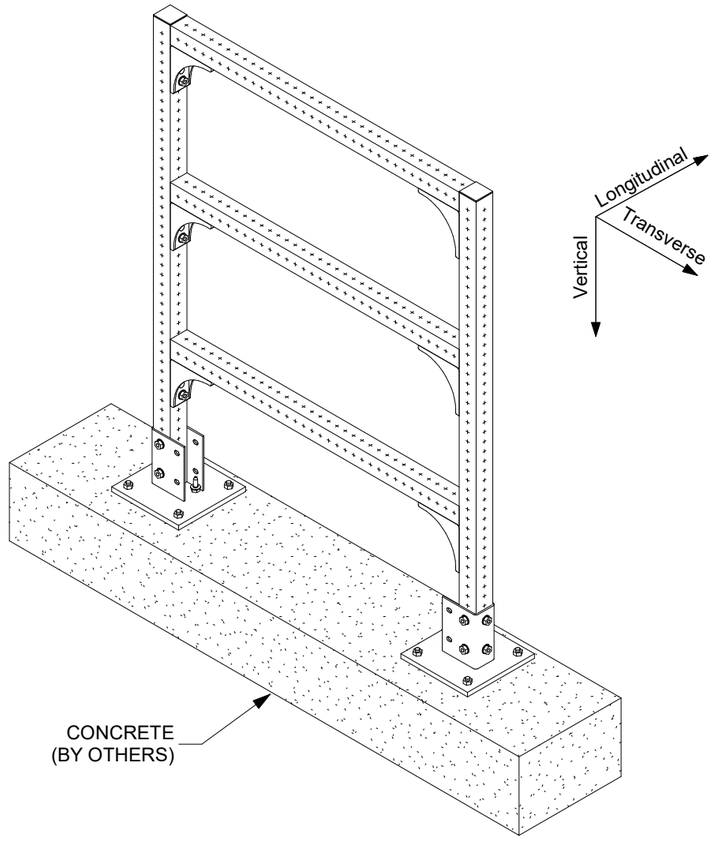
PAPER SIZE: ANSI B

PROJECT NUMBER:

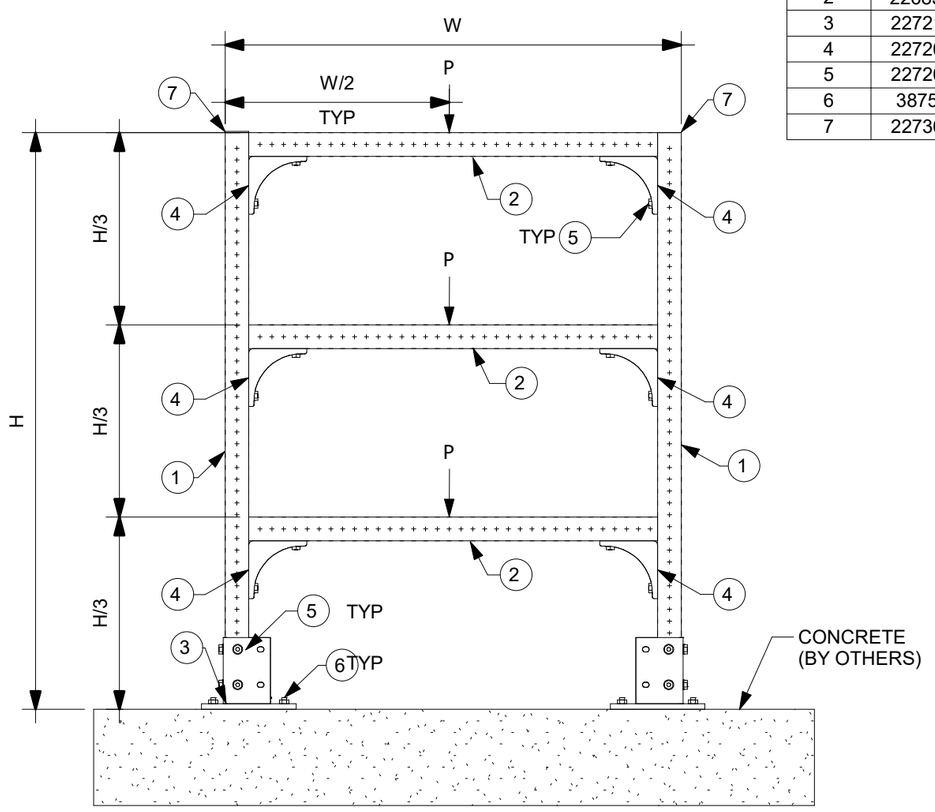
PROJECT	JOB	SHEET
	- GP9S2 -	1

BIM 360://Hilti - MT Typicals/GP9S2.rvt

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	2
2	2268365	MT-70 L OC	3
3	2272101	MT-B-GS O4U OC	2
4	2272066	MT-C-GS OC	6
5	2272084	MT-TFB OC	37
6	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	8
7	2273697	MT-EC-70	2



1 ISOMETRIC
N.T.S.



2 ELEVATION
N.T.S.

NOTE(S):

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B. THE EVALUATION OF EXISTING STRUCTURE IS OUTSIDE OF THE TYPICAL DESIGN SCOPE AND SHALL BE PERFORMED BY THE ENGINEER OF RECORD.

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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.

G. USE ½" 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.

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

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

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

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

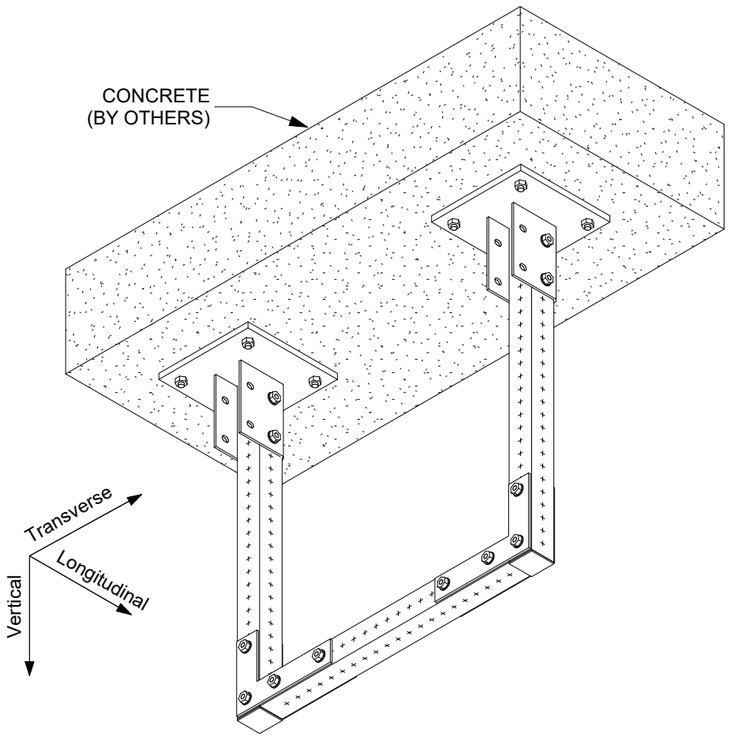
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
	- GP7C3 -	1

BIM 360://Hilti - MT Typicals/GP7C3.rvt

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



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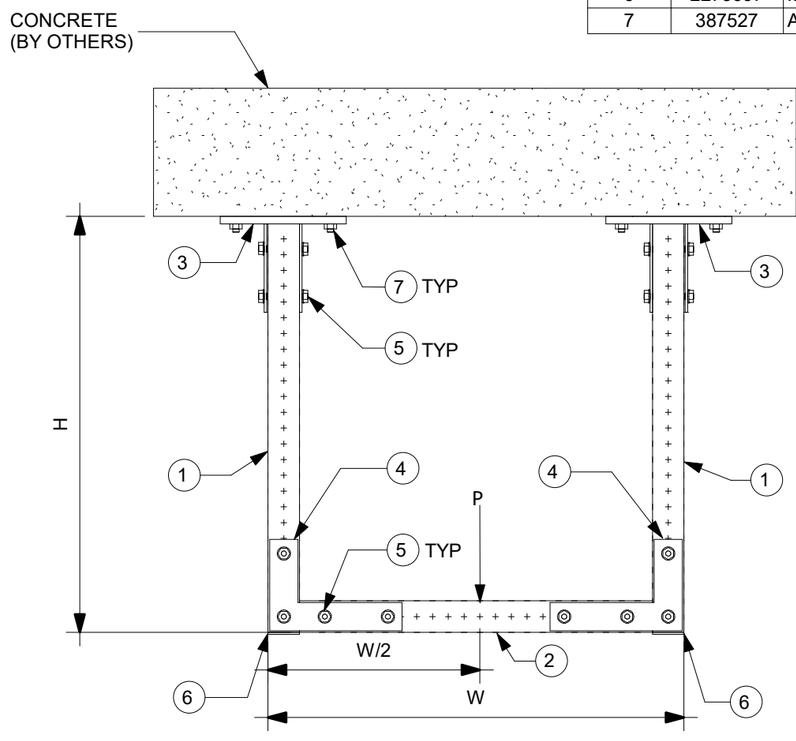
N.T.S.



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.

G. USE ½" 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.

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

REVISION HISTORY

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

PROJECT NAME:
TRAPEZE MT70 C 002

PROJECT DESCRIPTION:
TRAPEZE MT70 C 002

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

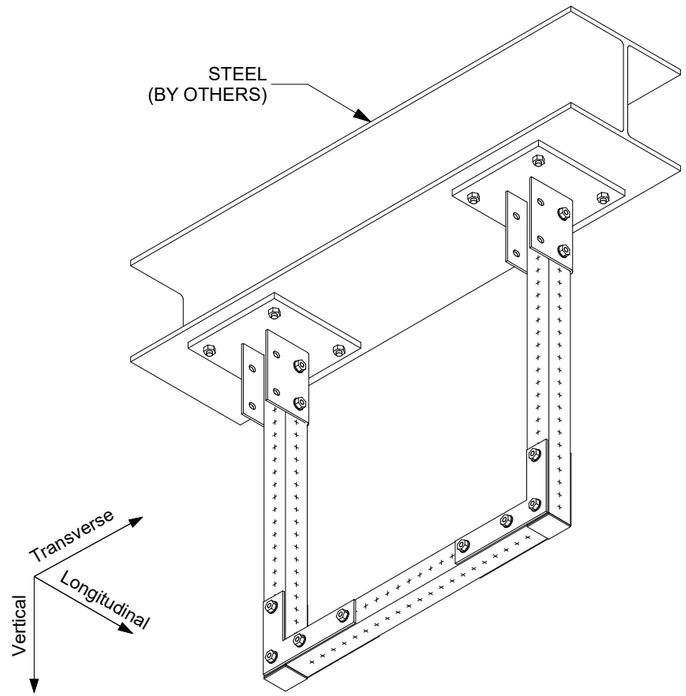
PAPER SIZE: ANSI B

PROJECT NUMBER:

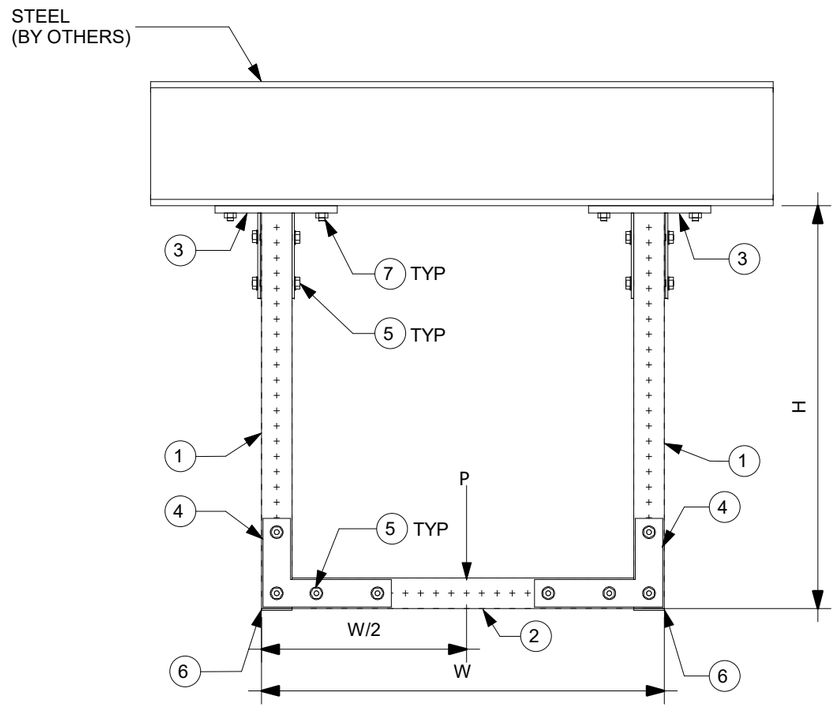
PROJECT	JOB	SHEET
-	TR7C2 -	1

BIM 360://Hilti - MT Typicals/TR7C2.rvt

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.



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

REVISION HISTORY

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

PROJECT NAME:
TRAPEZE MT70 S 002

PROJECT DESCRIPTION:
TRAPEZE MT70 S 002

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

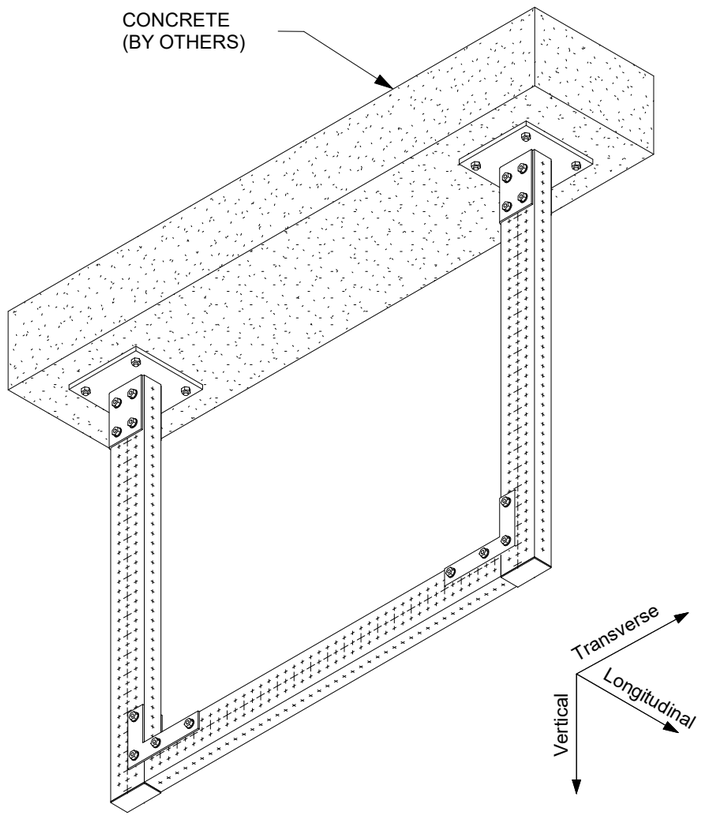
PAPER SIZE: ANSI B

PROJECT NUMBER:

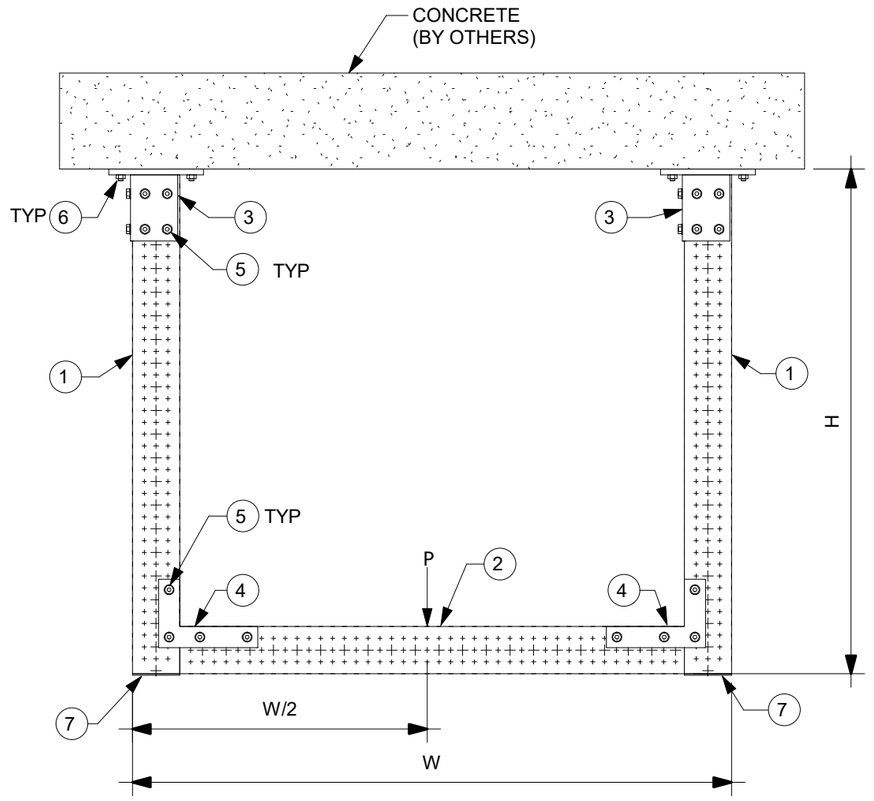
PROJECT	JOB	SHEET
	- TR7S2 -	1

BIM 360://Hilti - MT Typicals/TR7S2.rvt

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	4
5	2272084	MT-TFB OC	36
6	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	8
7	2273698	MT-EC-80	2



1 ISOMETRIC
N.T.S.



2 ELEVATION
N.T.S.

NOTE(S):

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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 ½" 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.

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

REVISION HISTORY

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

PROJECT NAME:
TRAPEZE MT80 C 001

PROJECT DESCRIPTION:
TRAPEZE MT80 C 001

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

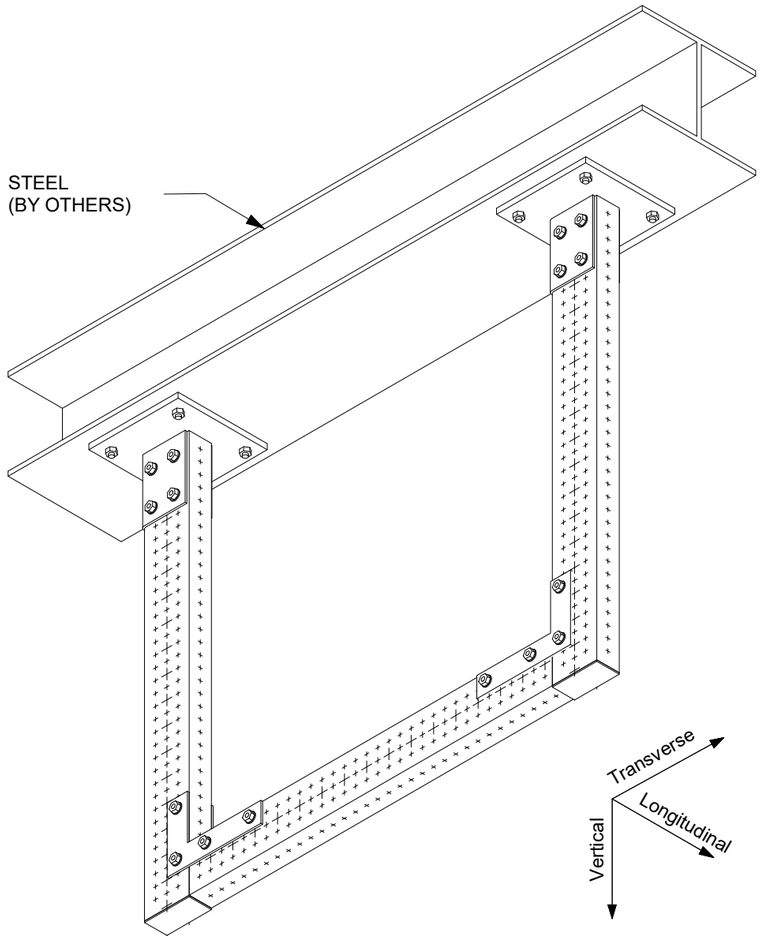
PAPER SIZE: ANSI B

PROJECT NUMBER:

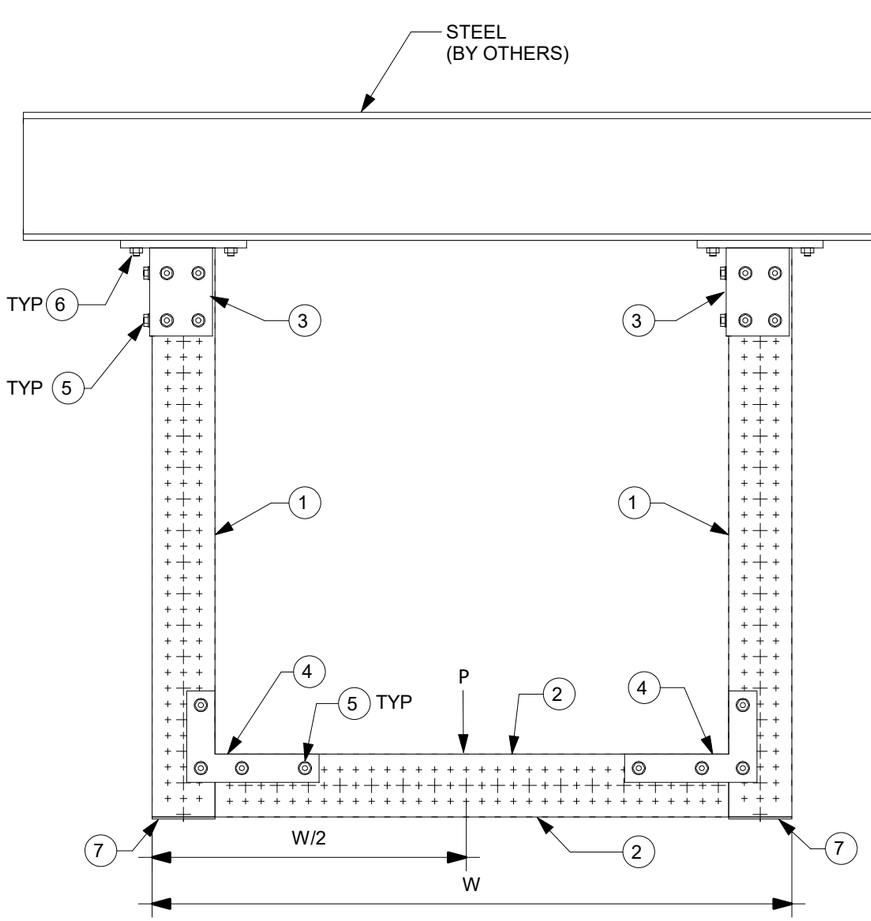
PROJECT	JOB	SHEET
	- TR8C1 -	1

BIM 360://Hilti - MT Typicals/TR8C1.rvt

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	4
5	2272084	MT-TFB OC	36
6	2194341	X-BT-MR W10/15 SN 8	8
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. 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
ALLOWABLE LOADS, lbs	Vertical (P)	1540	1200	950
	Transverse	462	360	285
	Longitudinal	462	360	285

REVISION HISTORY

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

PROJECT NAME:
TRAPEZE MT80 S 001

PROJECT DESCRIPTION:
TRAPEZE MT80 S 001

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

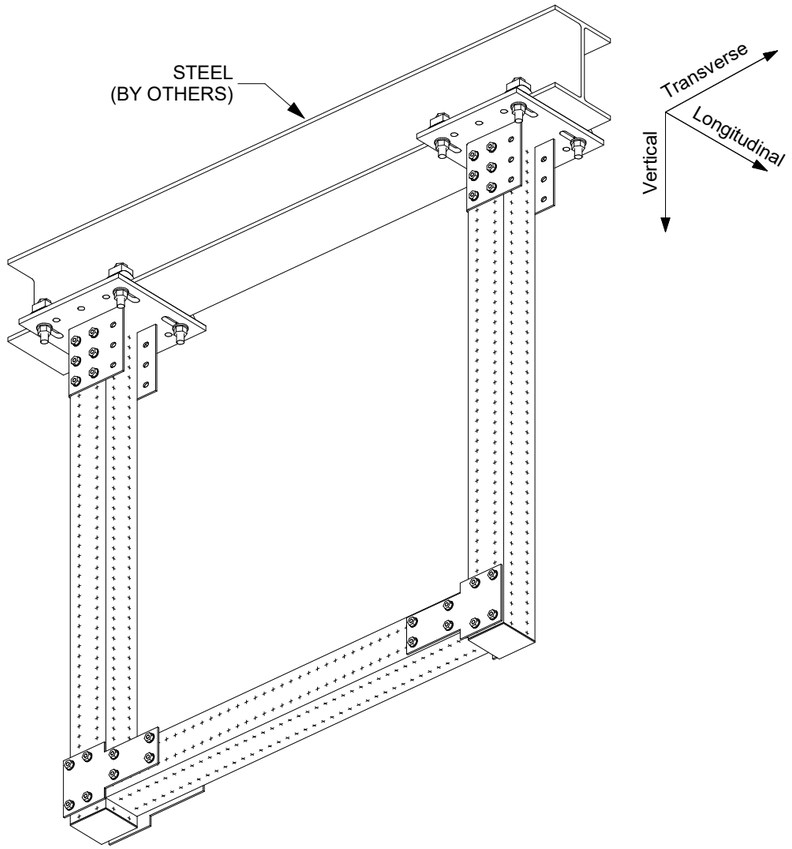
PAPER SIZE: ANSI B

PROJECT NUMBER:

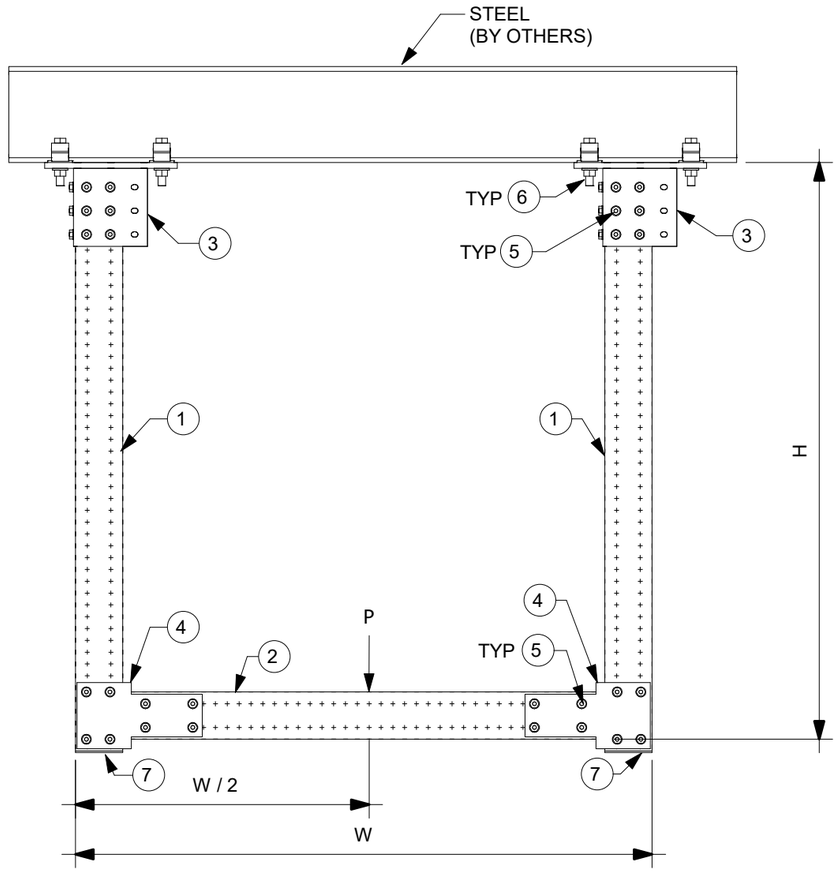
PROJECT	JOB	SHEET
	- TR8S1 -	1

BIM 360://Hilti - MT Typicals/TR8S1.rvt

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



1 ISOMETRIC
N.T.S.



2 ELEVATION
N.T.S.

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.

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

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

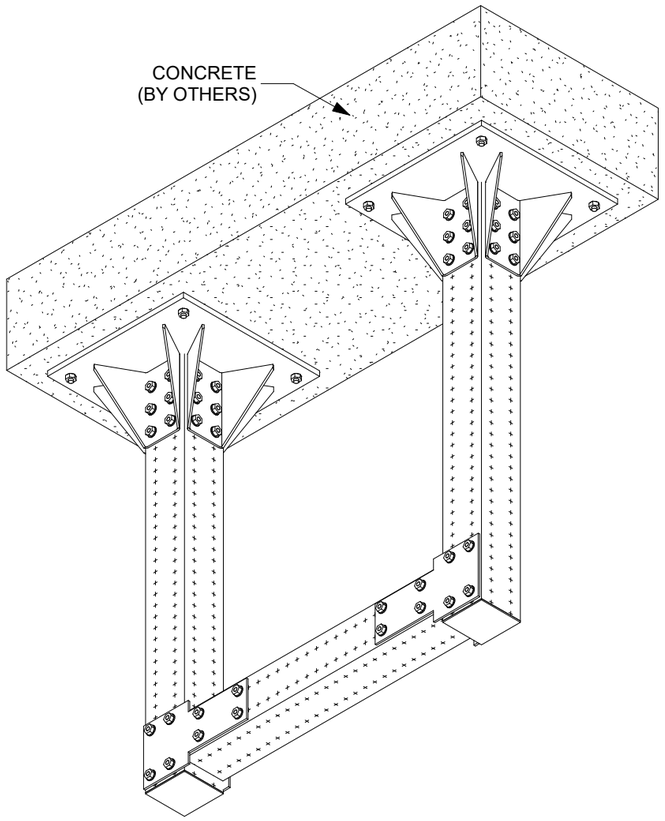
PAPER SIZE: ANSI B

PROJECT NUMBER:

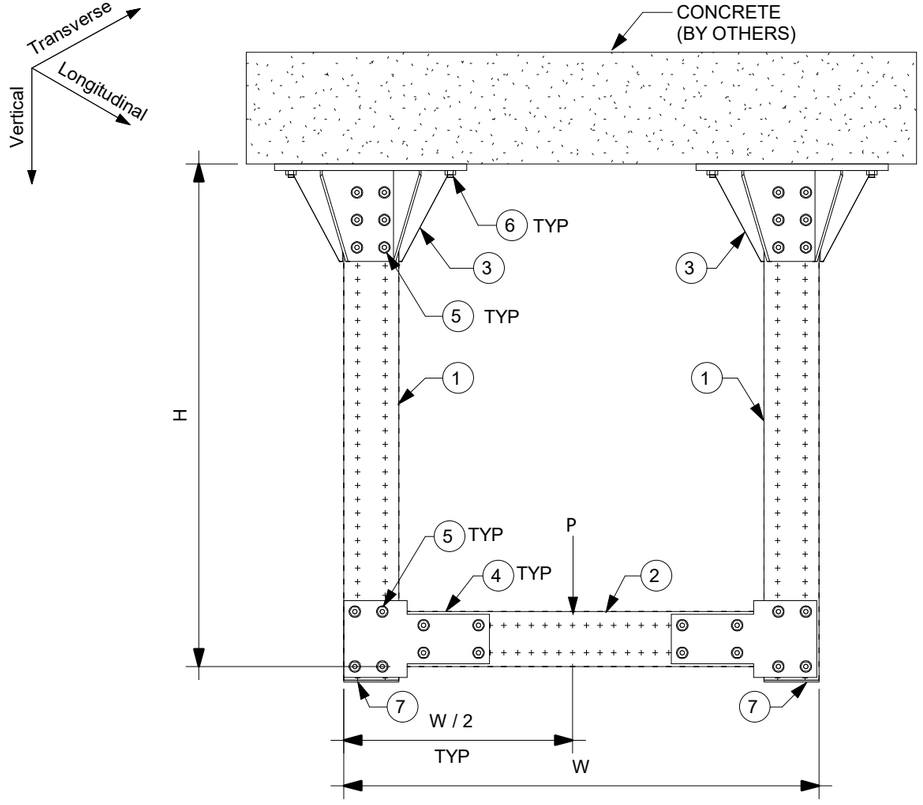
PROJECT	JOB	SHEET
	- TR9S2 -	1

BIM 360://Hilti - MT Typicals/TR9S2.rvt

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



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 ½" 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

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

REVISION HISTORY

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

PROJECT NAME:
TRAPEZE MT90 C 002

PROJECT DESCRIPTION:
TRAPEZE MT90 C 002

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

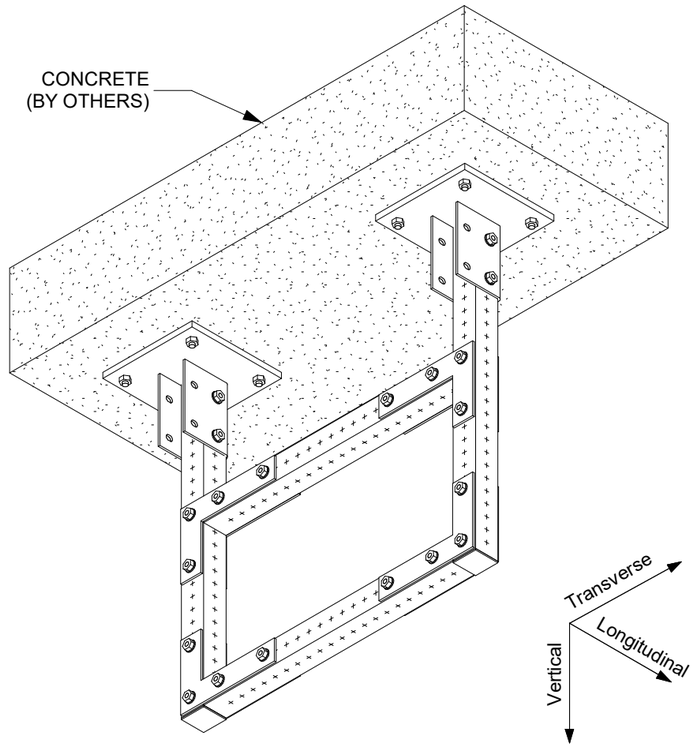
PAPER SIZE: ANSI B

PROJECT NUMBER:

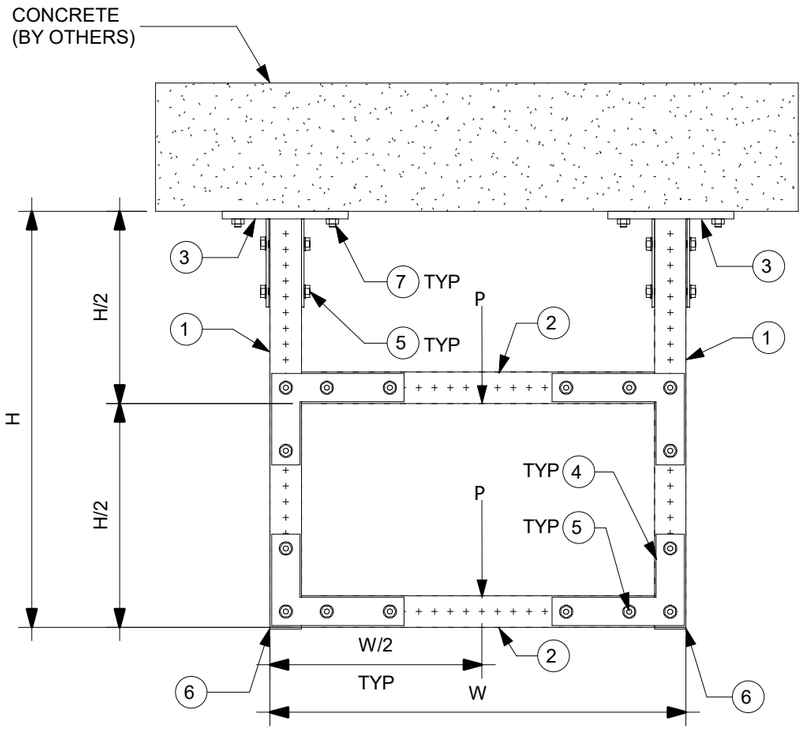
PROJECT	JOB	SHEET
-	TR9C2 -	1

BIM 360://Hilti - MT Typicals/TR9C2.rvt

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



1 ISOMETRIC
N.T.S.



2 ELEVATION
N.T.S.

NOTE(S):

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B. THE EVALUATION OF EXISTING STRUCTURE IS OUTSIDE OF THE TYPICAL DESIGN SCOPE AND SHALL BE PERFORMED BY THE ENGINEER OF RECORD.

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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.

G. USE ½" 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.

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

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

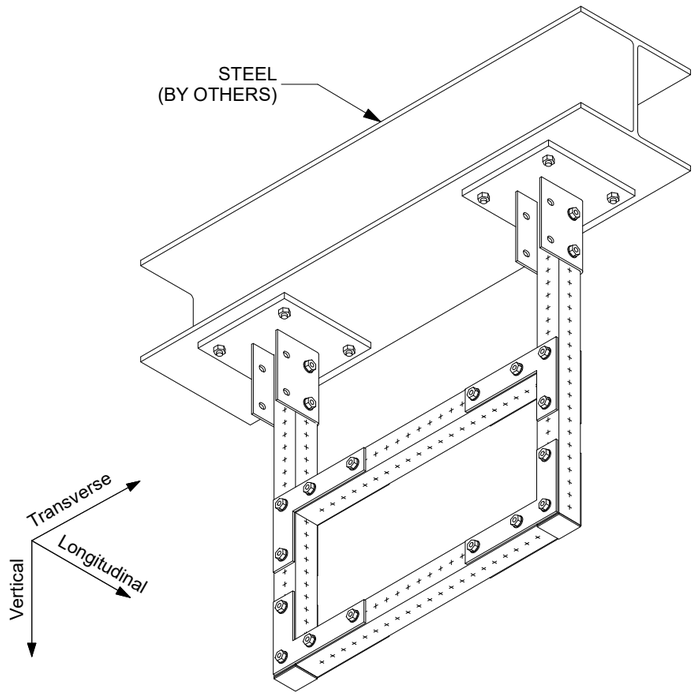
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
	- TR7C3 -	1

BIM 360://Hilti - MT Typicals/TR7C3.rvt

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



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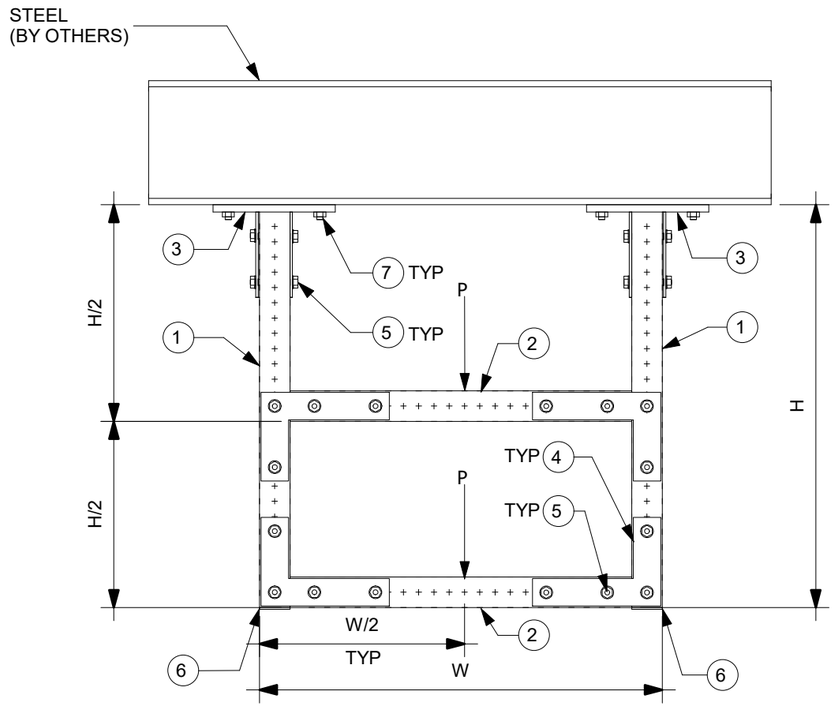
N.T.S.



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				
	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

REVISION HISTORY

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

PROJECT NAME:
TRAPEZE MT70 S 003

PROJECT DESCRIPTION:
TRAPEZE MT70 S 003

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

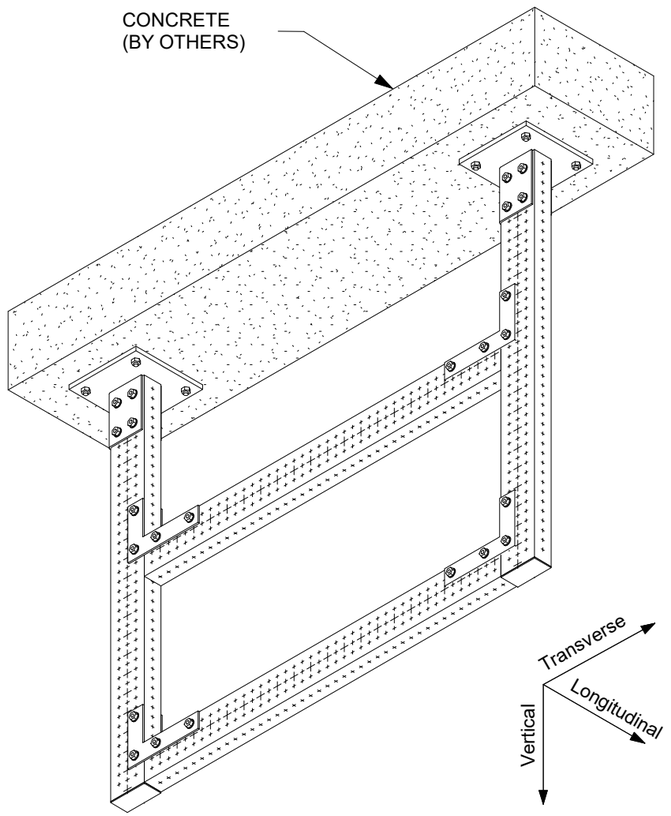
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
	- TR7S3 -	1

BIM 360://Hilti - MT Typicals/TR7S3.rvt

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



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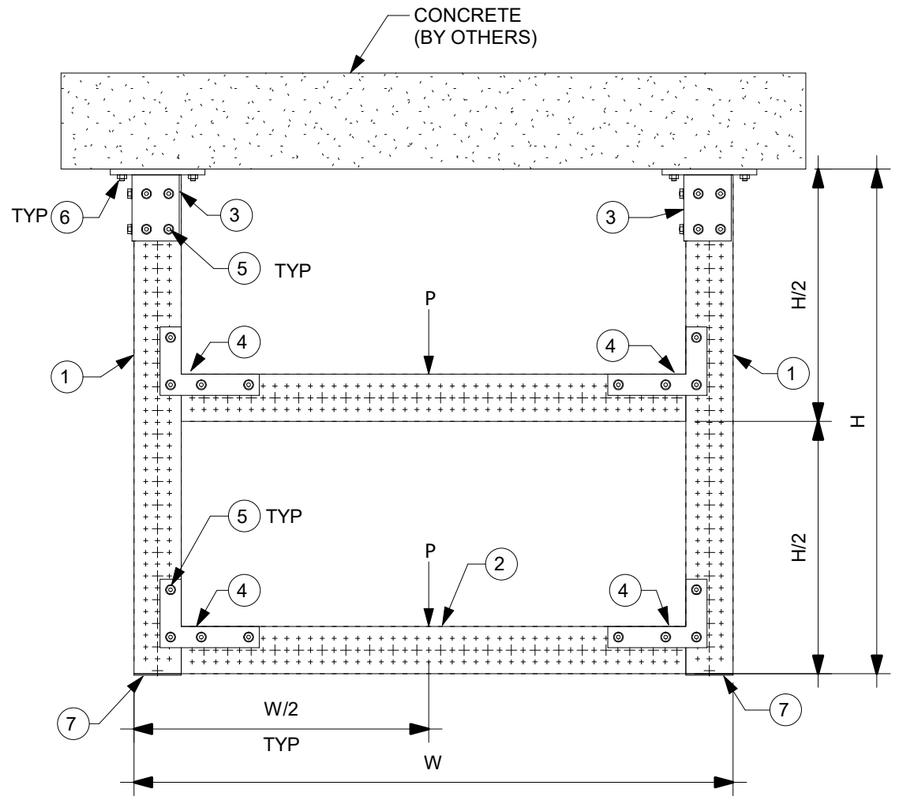


2 ELEVATION
N.T.S.

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 ½" 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.

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

REVISION HISTORY

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

PROJECT NAME:
TRAPEZE MT80 C 002

PROJECT DESCRIPTION:
TRAPEZE MT80 C 002

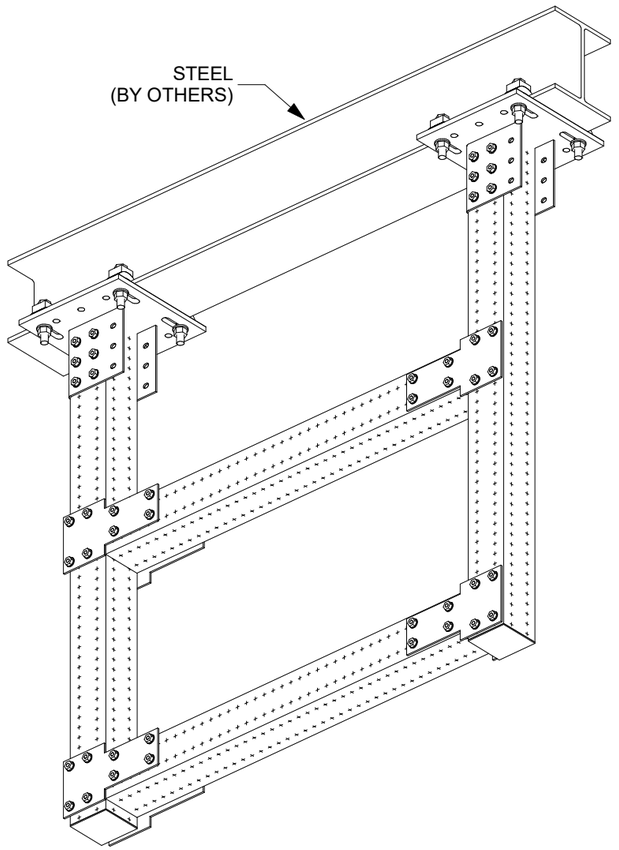
DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	JDR	BVD

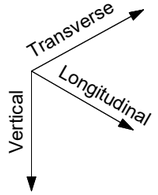
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
	- TR8C2 -	1

BIM 360://Hilti - MT Typicals/TR8C2.rvt





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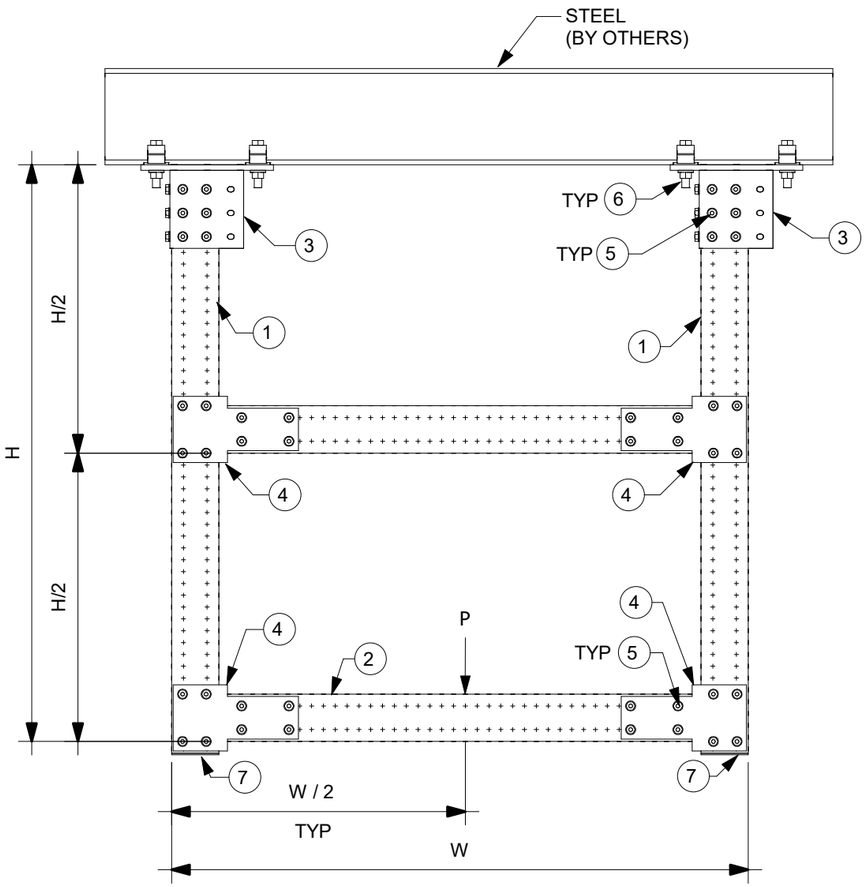


2 ELEVATION
N.T.S.

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	8
5	2272084	MT-TFB OC	100
6	387398	MI-SGC M16	8
7	2273699	MT-EC-90	2
8	2268369	MT-90 OC	1

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.

TABLE A				
	Max H, in	60	72	84
	Max W, in	60	72	84
ALLOWABLE LOADS, lbs	Vertical (P)	1500	1300	1100
	Transverse	450	390	330
	Longitudinal	450	390	330

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

PROJECT NAME:
TRAPEZE MT90 S 003

PROJECT DESCRIPTION:
TRAPEZE MT90 S 003

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

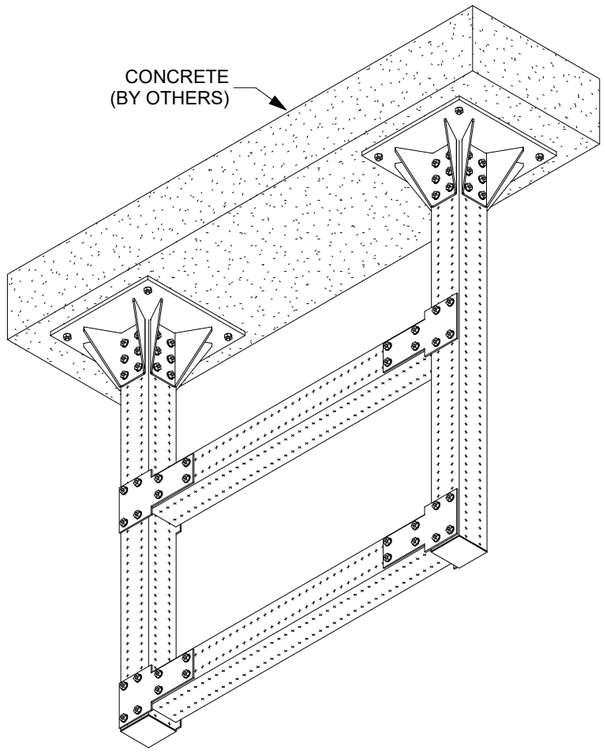
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
	- TR9S3 -	1

BIM 360://Hilti - MT Typicals/TR9S3.rvt

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



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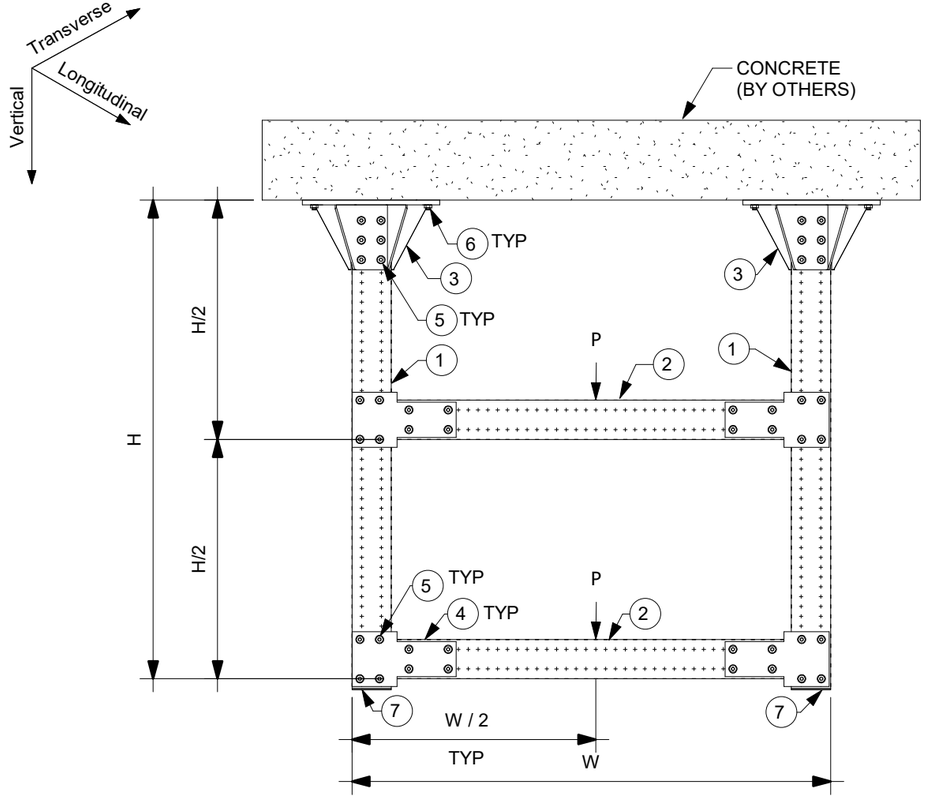


2 ELEVATION
N.T.S.

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 ½" 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

TABLE A				
	Max H, in	60	72	84
	Max W, in	60	72	84
ALLOWABLE LOADS, lbs	Vertical (P)	1800	1550	1400
	Transverse	540	465	420
	Longitudinal	540	465	420

REVISION HISTORY

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

PROJECT NAME:
TRAPEZE MT90 C 003

PROJECT DESCRIPTION:
TRAPEZE MT90 C 003

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

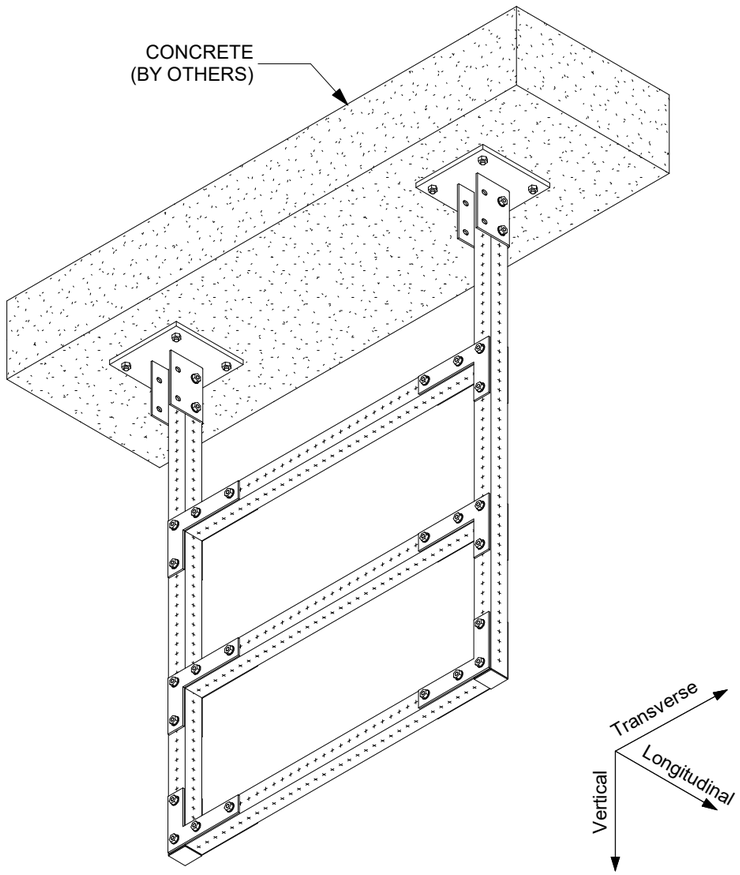
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
- TR9C3 -		1

BIM 360://Hilti - MT Typicals/TR9C3.rvt

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	2
2	2268365	MT-70 L OC	3
3	2272101	MT-B-GS O4U OC	2
4	2272073	MT-C-GSP L OC	12
5	2272084	MT-TFB OC	60
6	2273697	MT-EC-70	2
7	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	8



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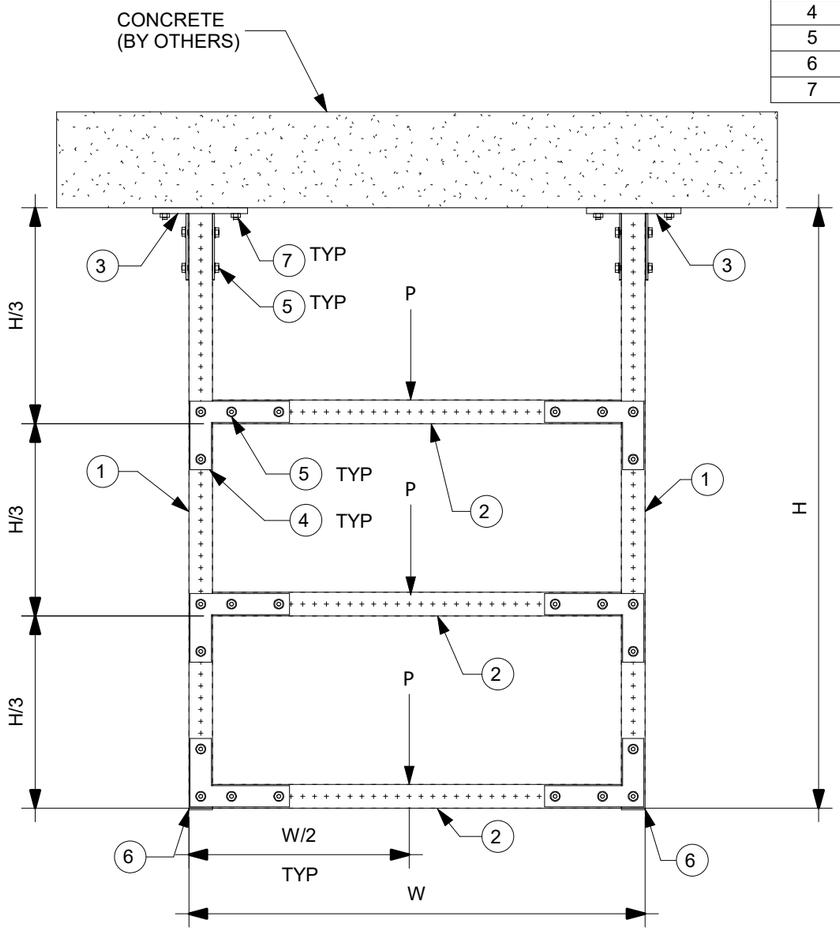
N.T.S.



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.

G. USE ½" 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.

TABLE A			
	Max H, in	36	48
	Max W, in	36	48
ALLOWABLE LOADS, lbs	Vertical (P)	650	375
	Transverse	195	112
	Longitudinal	195	112

REVISION HISTORY

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

PROJECT NAME:
TRAPEZE MT70 C 004

PROJECT DESCRIPTION:
TRAPEZE MT70 C 004

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

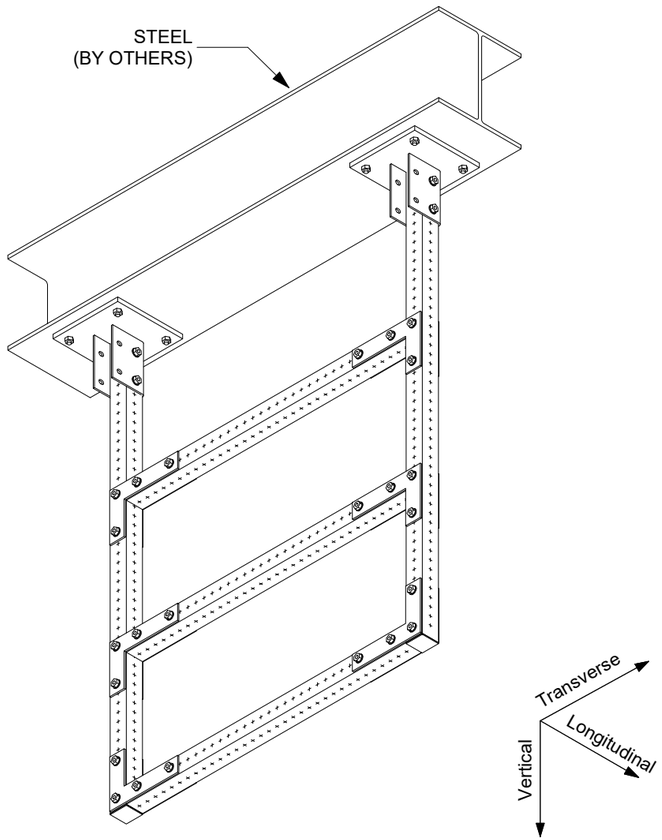
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
-	TR7C4 -	1

BIM 360://Hilti - MT Typicals/TR7C4.rvt

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	2
2	2268365	MT-70 L OC	3
3	2272101	MT-B-GS O4U OC	2
4	2272073	MT-C-GSP L OC	12
5	2272084	MT-TFB OC	60
6	2273697	MT-EC-70	2
7	2194341	X-BT-MR W10/15 SN 8	8



1 ISOMETRIC
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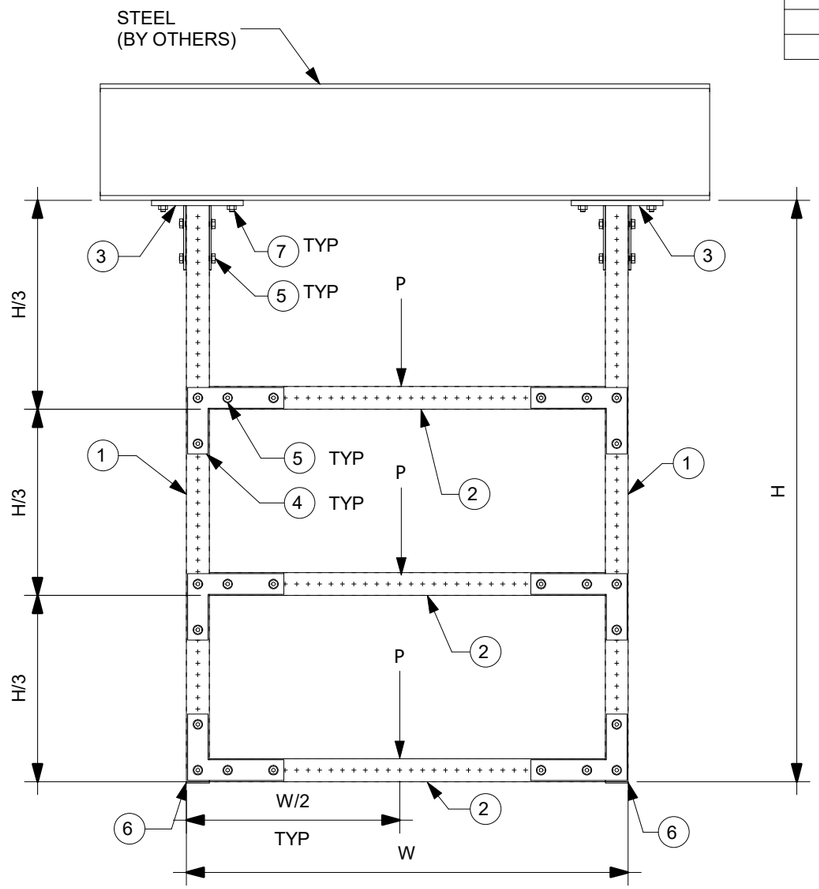


2 ELEVATION
N.T.S.

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				
	Max H, in	24	36	48
	Max W, in	24	36	48
ALLOWABLE LOADS, lbs	Vertical (P)	1250	650	375
	Transverse	375	195	112
	Longitudinal	375	195	112

REVISION HISTORY

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

PROJECT NAME:
TRAPEZE MT70 S 004

PROJECT DESCRIPTION:
TRAPEZE MT70 S 004

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

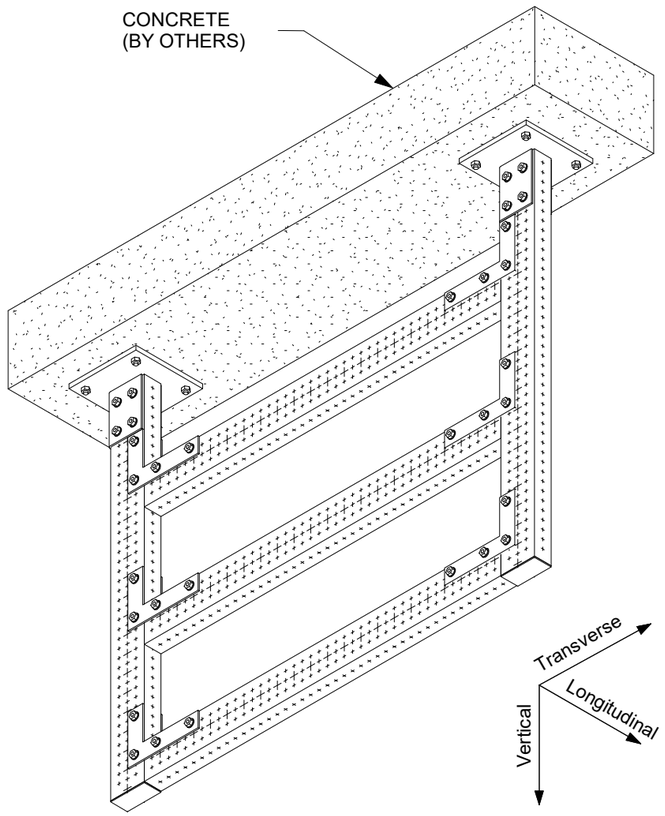
PAPER SIZE: ANSI B

PROJECT NUMBER:

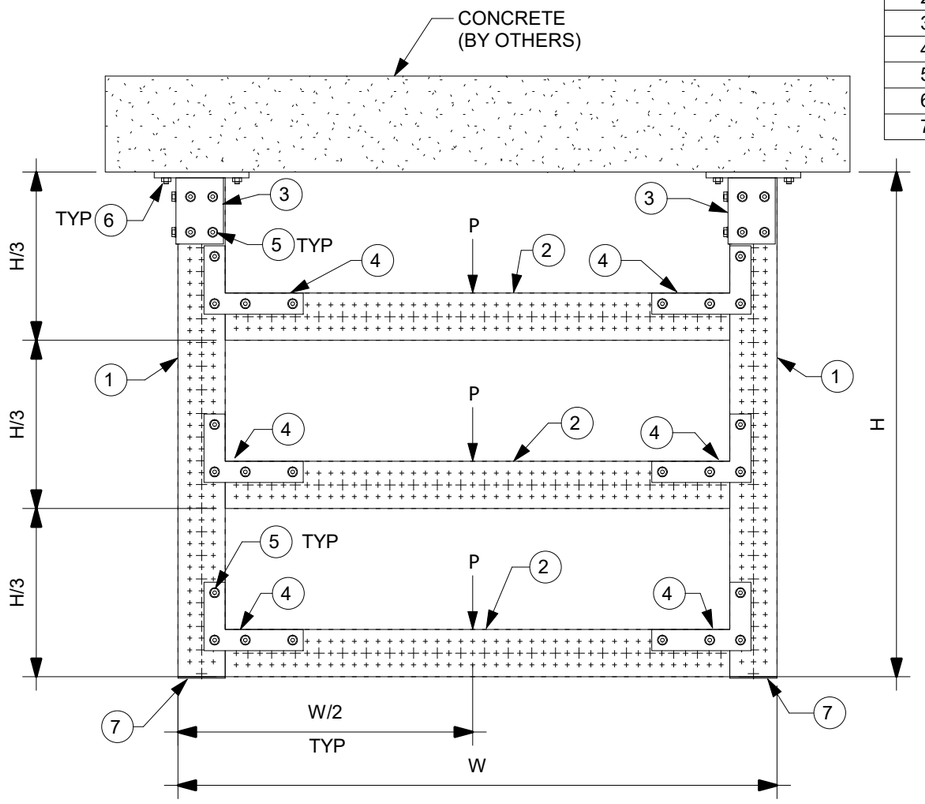
PROJECT	JOB	SHEET
- TR7S4 -		1

BIM 360://Hilti - MT Typicals/TR7S4.rvt

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



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.

G. USE ½" 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.

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

REVISION HISTORY

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

PROJECT NAME:

TRAPEZE MT80 C 003

PROJECT DESCRIPTION:

TRAPEZE MT80 C 003

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

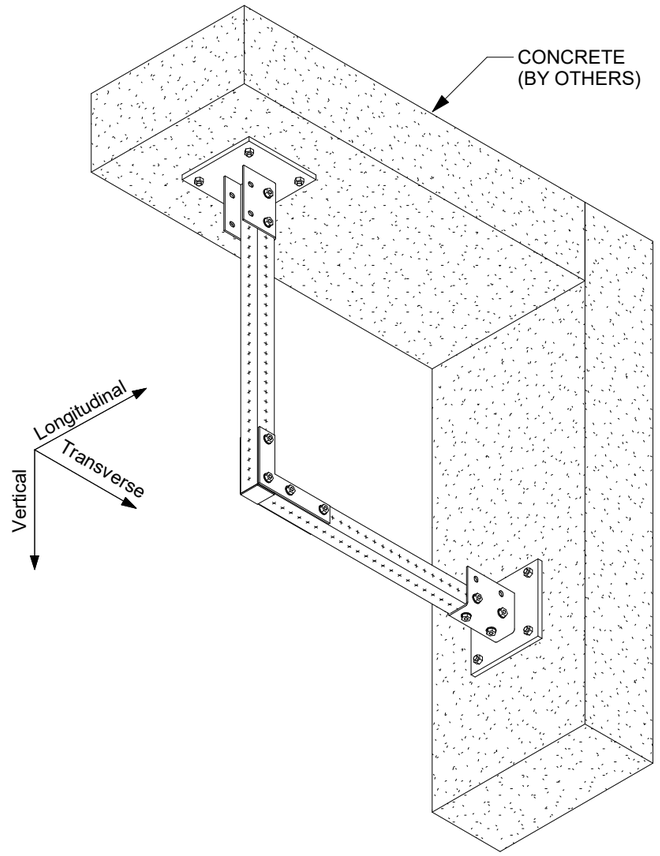
PAPER SIZE: ANSI B

PROJECT NUMBER:

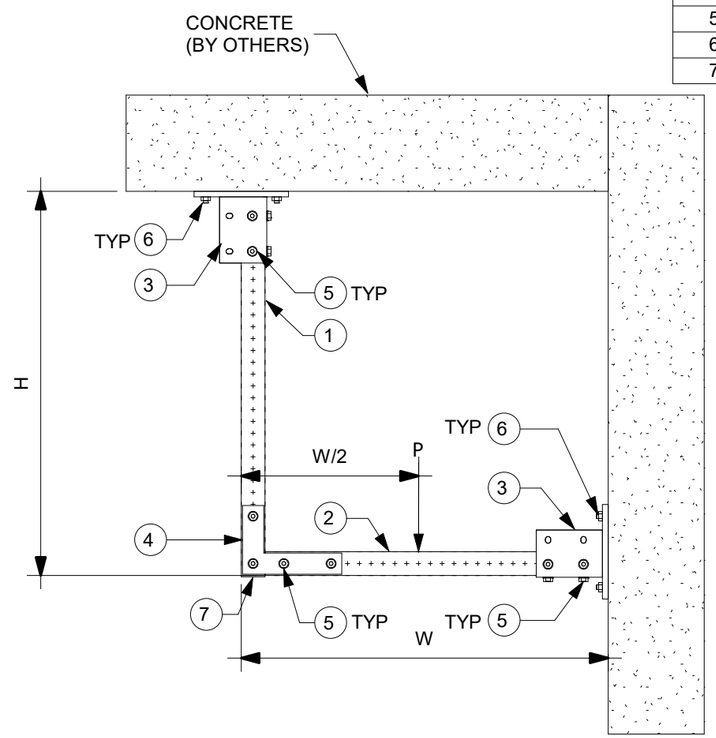
PROJECT	JOB	SHEET
	- TR8C3 -	1

BIM 360://Hilti - MT Typicals/TR8C3.rvt

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



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.

G. USE ½" 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.

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

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

PROJECT DESCRIPTION:
TRAPEZE MT70 C 001

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

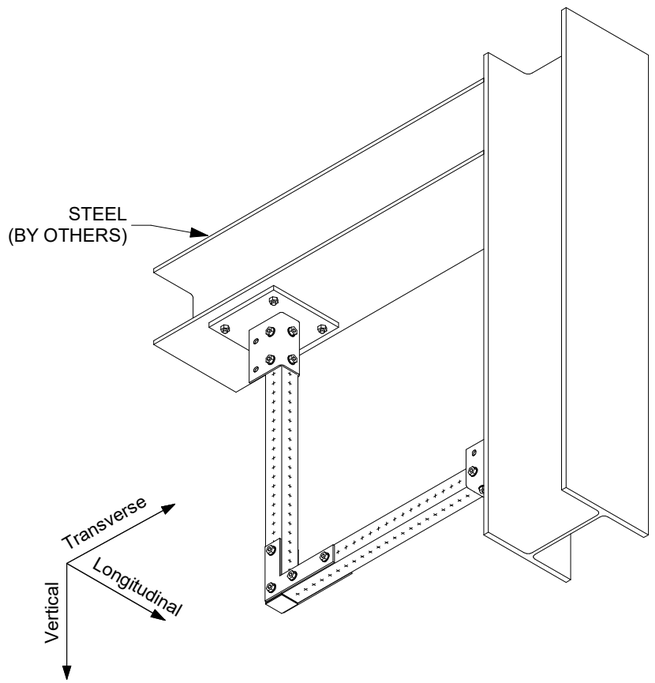
PAPER SIZE: ANSI B

PROJECT NUMBER:

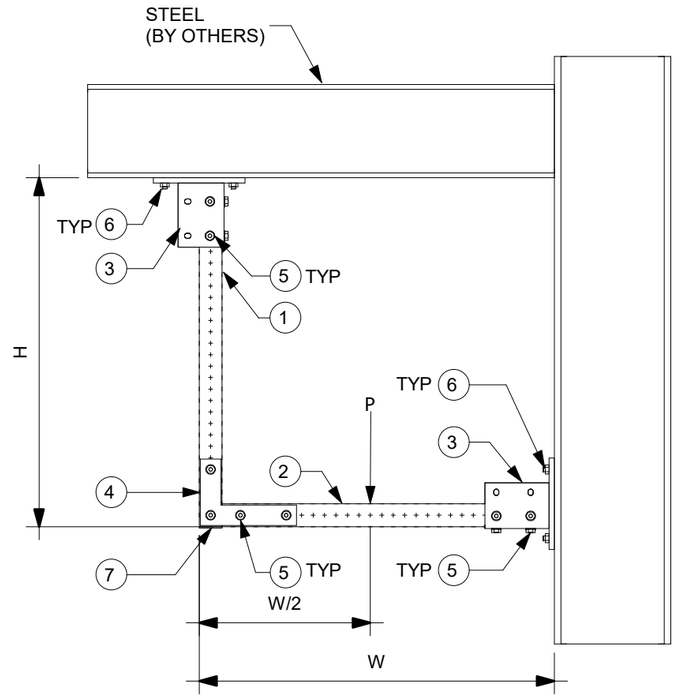
PROJECT	JOB	SHEET
-	TR7C1 -	1

BIM 360://Hilti - MT Typicals/TR7C1.rvt

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	2194341	X-BT-MR W10/15 SN 8	8
7	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				
	Max H, in	24	36	48
	Max W, in	24	36	48
ALLOWABLE LOADS, lbs	Vertical (P)	1300	975	760
	Transverse	390	292	228
	Longitudinal	390	292	228

REVISION HISTORY

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

PROJECT NAME:
TRAPEZE MT70 S 001

PROJECT DESCRIPTION:
TRAPEZE MT70 S 001

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

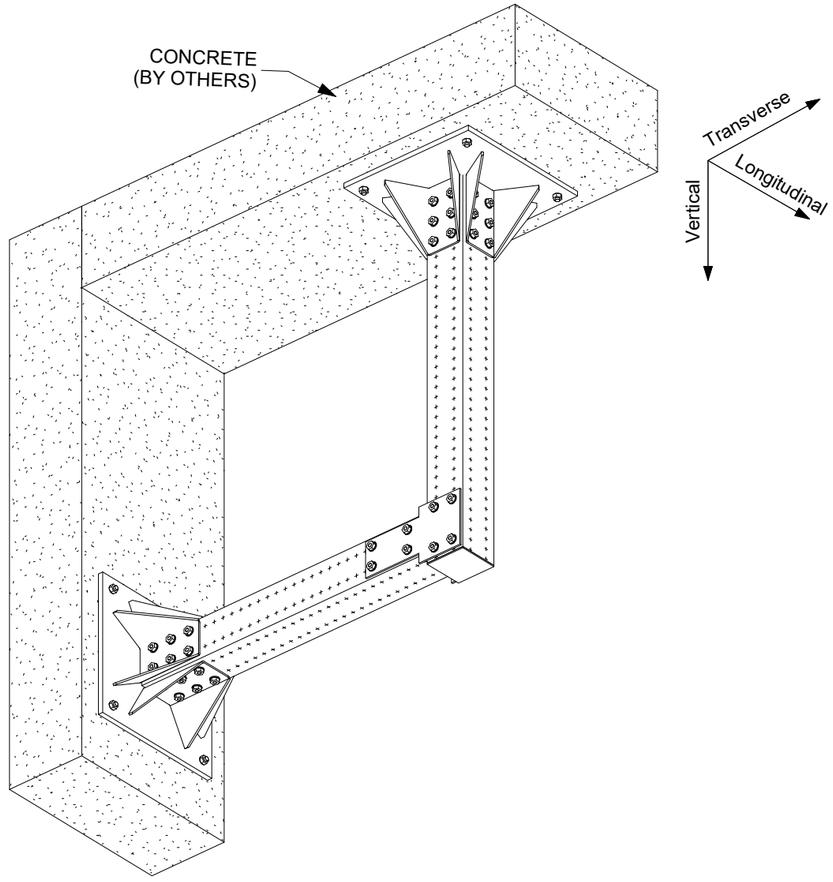
PAPER SIZE: ANSI B

PROJECT NUMBER:

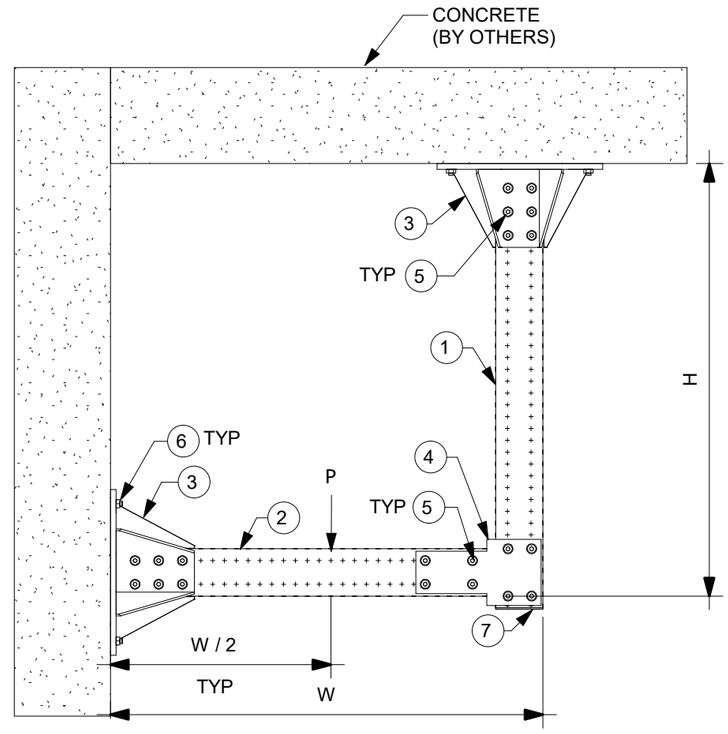
PROJECT	JOB	SHEET
- TR7S1 -		1

BIM 360://Hilti - MT Typicals/TR7S1.rvt

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268369	MT-90 OC	1
2	2268369	MT-90 OC	1
3	2272103	MT-B-GL-O4 OC	2
4	2272075	MT-C-GLP T OC	2
5	2272084	MT-TFB OC	64
6	387530	ANCHOR KB-TZ 5/8" X 4-3/4" SS304	8
7	2273699	MT-EC-90	1



1 ISOMETRIC
N.T.S.



2 ELEVATION
N.T.S.

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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 BOLD MAY BE INSTALLED USING A TORQUE WRENCH OR SI-AT-A22 PER INSTRUCTION FOR USE.

G. USE ½" 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

TABLE A			
	Max H, in	48	60
	Max W, in	48	60
ALLOWABLE LOADS, lbs	Vertical (P)	3300	2200
	Transverse	990	660
	Longitudinal	990	660

REVISION HISTORY

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

PROJECT NAME:
TRAPEZE MT90 C 001

PROJECT DESCRIPTION:
TRAPEZE MT90 C 001

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

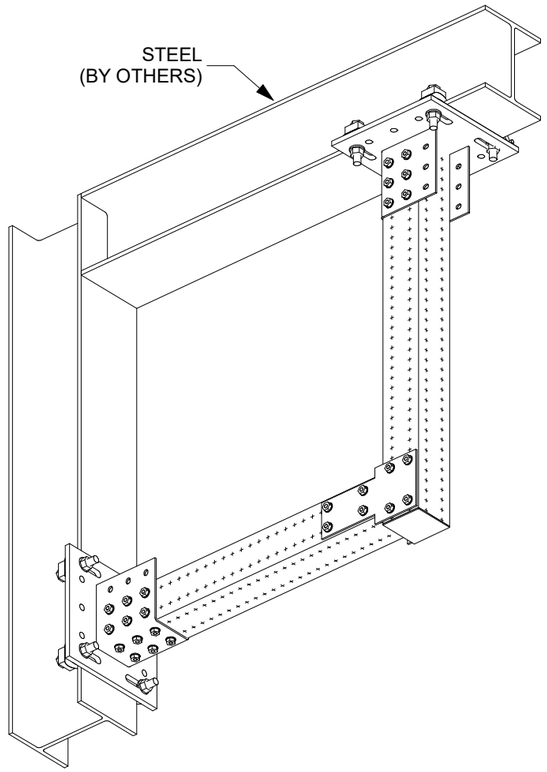
PAPER SIZE: ANSI B

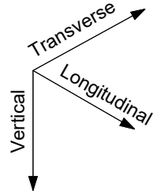
PROJECT NUMBER:

PROJECT	JOB	SHEET
-	TR9C1 -	1

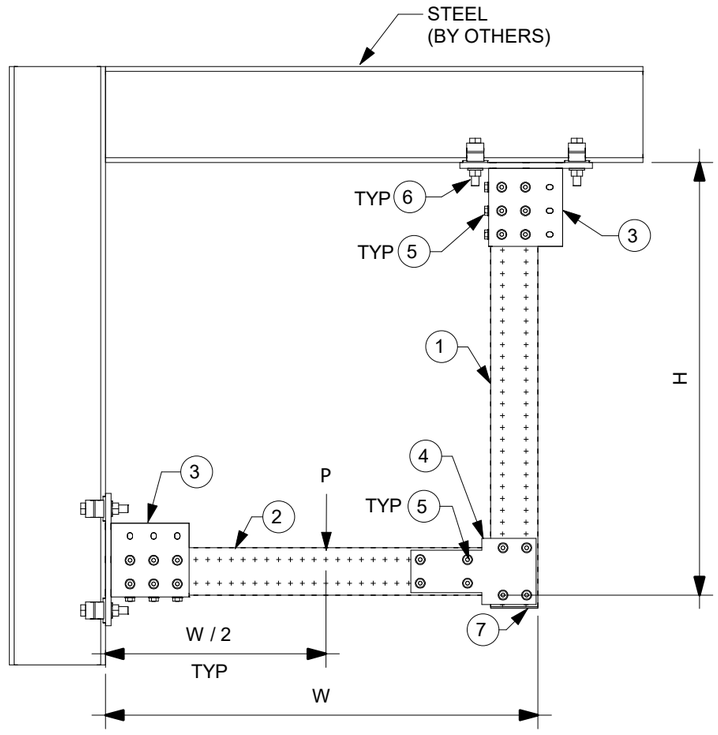
BIM 360://Hilti - MT Typicals/TR9C1.rvt

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268369	MT-90 OC	1
2	2268369	MT-90 OC	1
3	VARIES	MT-B-GXL S+ OC (SEE TABLE)	2
4	2272075	MT-C-GLP T OC	2
5	2272084	MT-TFB OC	52
6	387398	MI-SGC M16	8
7	2273699	MT-EC-90	1





1 ISOMETRIC
N.T.S.



2 ELEVATION
N.T.S.

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):

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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.

TABLE A			
	Max H, in	48	60
	Max W, in	48	60
ALLOWABLE LOADS, lbs	Vertical (P)	1900	1900
	Transverse	570	570
	Longitudinal	570	570

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

PROJECT NAME:
TRAPEZE MT90 S 001

PROJECT DESCRIPTION:
TRAPEZE MT90 S 001

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

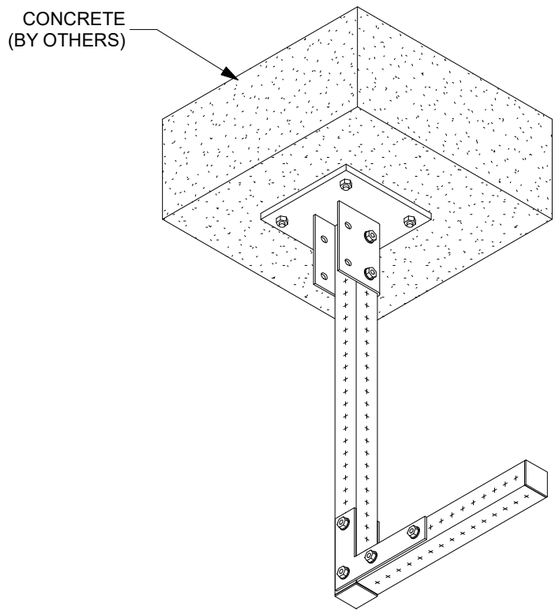
PAPER SIZE: ANSI B

PROJECT NUMBER:

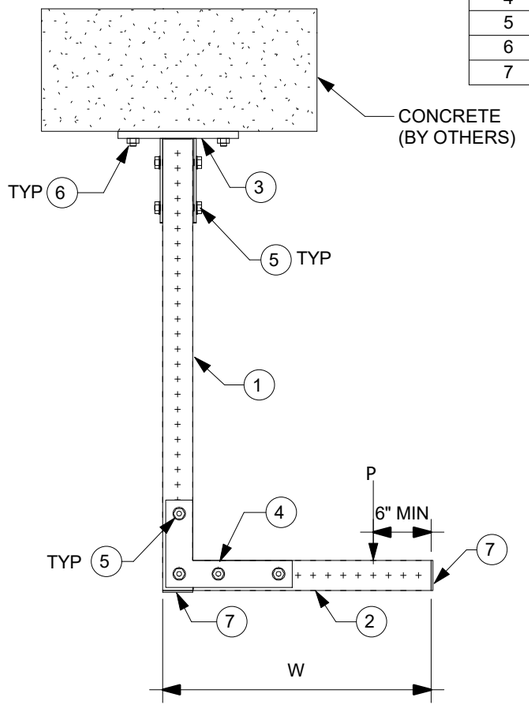
PROJECT	JOB	SHEET
-	TR9S1 -	1

BIM 360://Hilti - MT Typicals/TR9S1.rvt

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	2272073	MT-C-GSP L 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



1 ISOMETRIC
N.T.S.



2 ELEVATION
N.T.S.

NOTE(S):

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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. 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 ½" 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.

TABLE A			
	Max H, in	24	36
	Max W, in	12	18
ALLOWABLE LOADS, lbs	Vertical (P)	400	150
	Transverse	120	45
	Longitudinal	120	45

REVISION HISTORY

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

PROJECT NAME:
L FRAME MT70 C 001

PROJECT DESCRIPTION:
L FRAME MT70 C 001

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

PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
-	LF7C1 -	1

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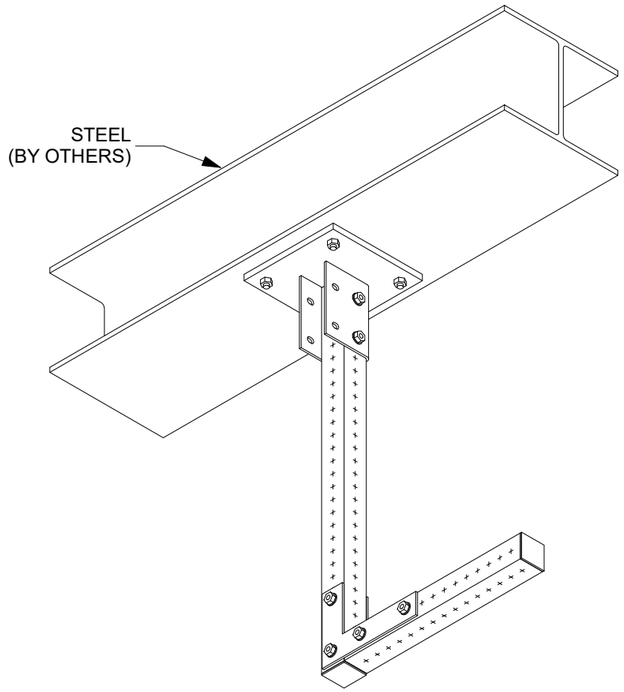
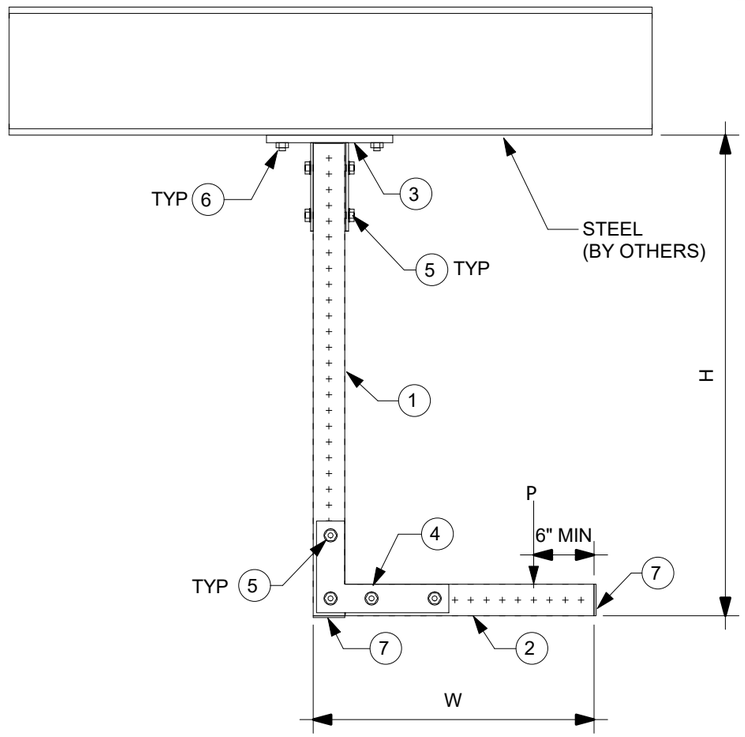
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268365	MT-70 L OC	1
2	2268365	MT-70 L OC	1
3	2272101	MT-B-GS O4U OC	1
4	2272073	MT-C-GSP L OC	2
5	2272084	MT-TFB OC	14
6	2194341	X-BT-MR W10/15 SN 8	4
7	2273697	MT-EC-70	2



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.

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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.

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
	Max W, in	12	18
ALLOWABLE LOADS, lbs	Vertical (P)	450	150
	Transverse	135	45
	Longitudinal	135	45

REVISION HISTORY

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

PROJECT NAME:
L FRAME MT70 S 001

PROJECT DESCRIPTION:
L FRAME MT70 S 001

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

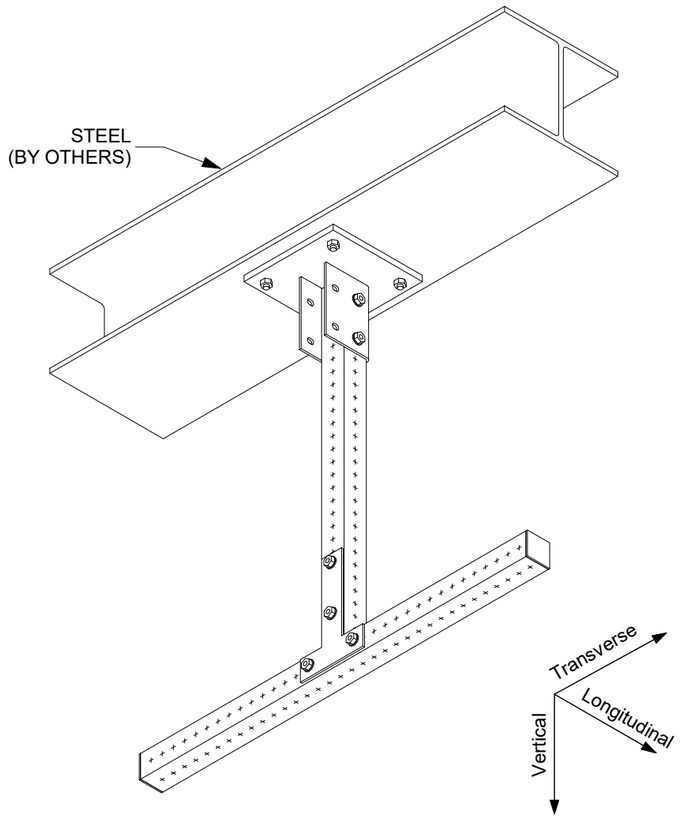
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
-	LF7S1 -	1

C:\Users\beavgra\BIM 360\Hilti North America\Hilti - MT Typicals\Project Files\Hilti Typicals\L Frame\LF7S1.rvt

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	2194341	X-BT-MR W10/15 SN 8	4
7	2273697	MT-EC-70	2



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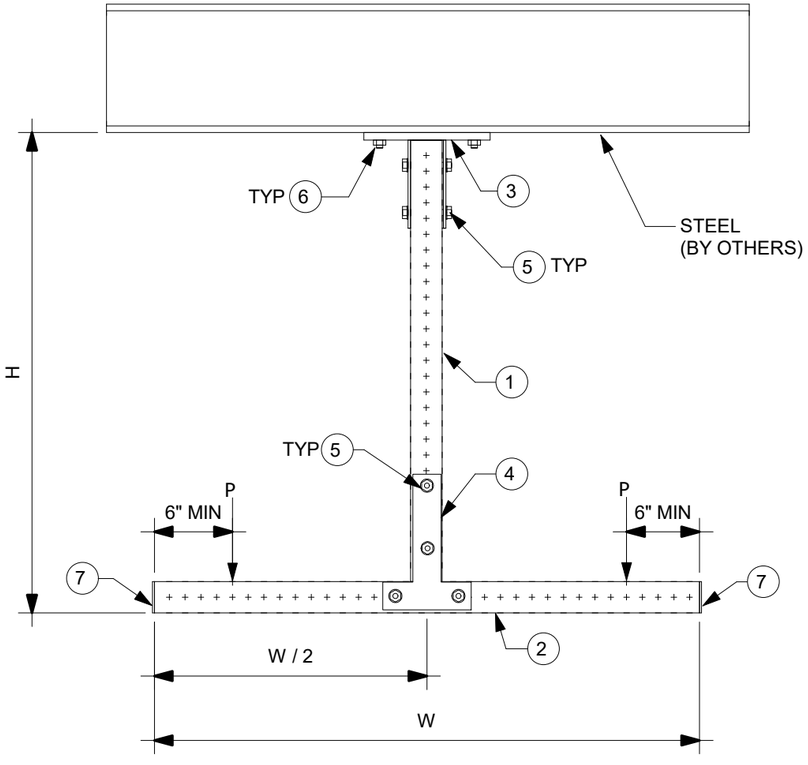
N.T.S.



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
ALLOWABLE LOADS, lbs	Vertical (P)	350	160	90
	Transverse	105	48	27
	Longitudinal	105	48	27

REVISION HISTORY

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

PROJECT NAME:
T-POST MT70 S 001

PROJECT DESCRIPTION:
T-POST MT70 S 001

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

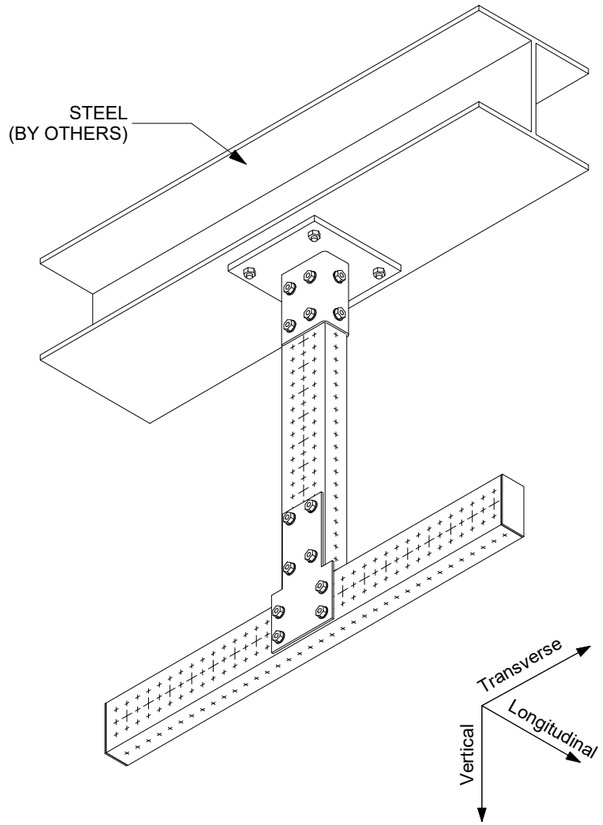
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
	- TP7S1 -	1

BIM 360://Hilti - MT Typicals/TP7S1.rvt

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



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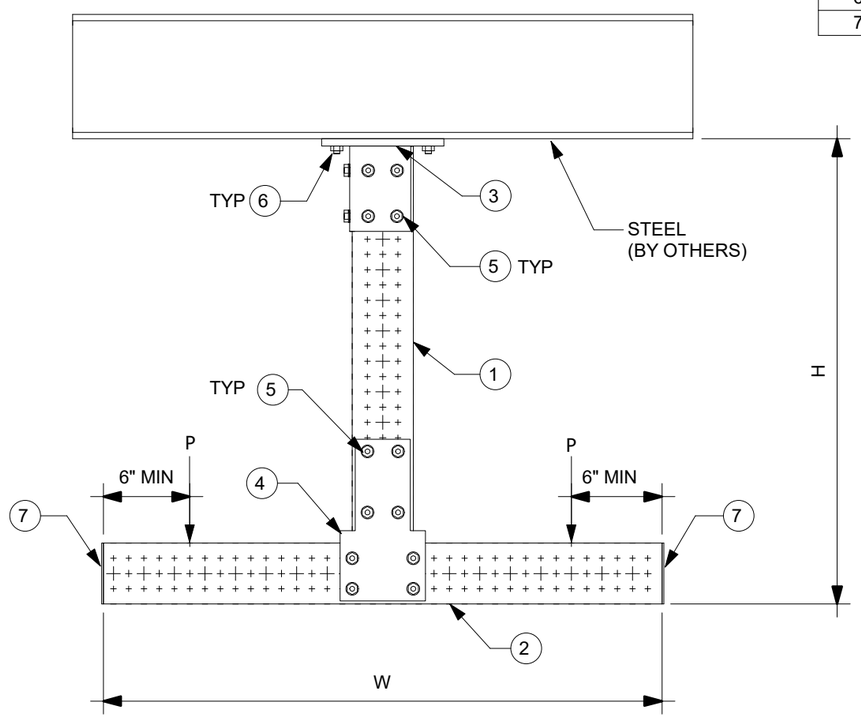
N.T.S.



2 ELEVATION
N.T.S.

NOTE(S):

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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
ALLOWABLE LOADS, lbs	Vertical (P)	800	300	240
	Transverse	240	90	72
	Longitudinal	240	90	72

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

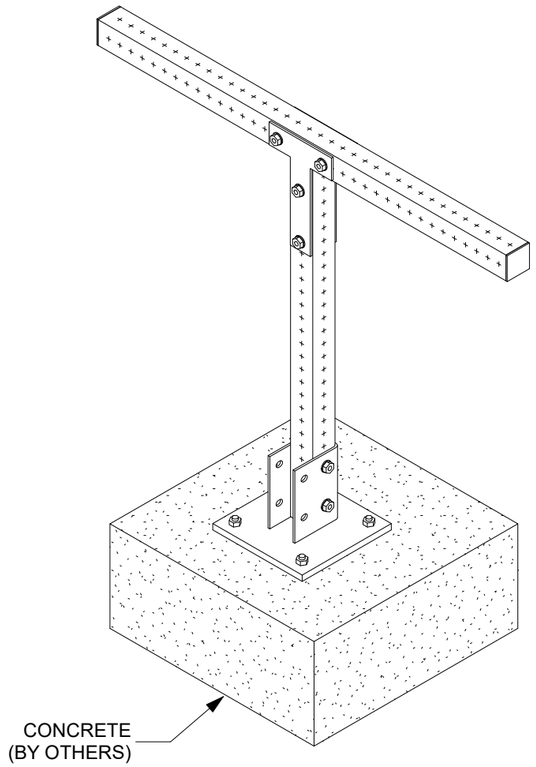
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
-	TP8S1 -	1

BIM 360://Hilti - MT Typicals/TP8S1.rvt

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



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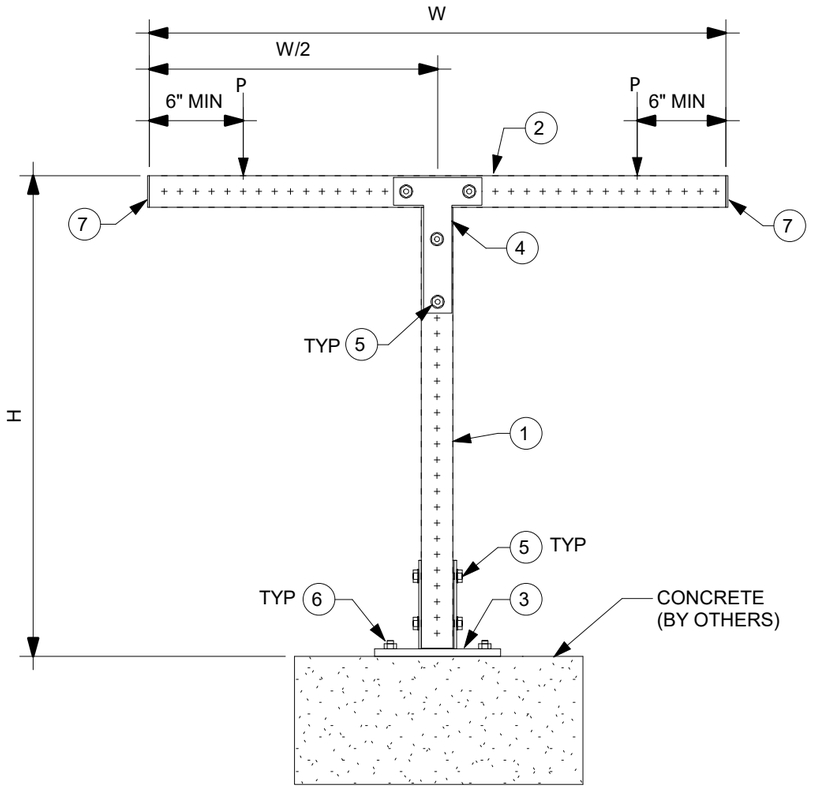
N.T.S.



2 ELEVATION
N.T.S.

NOTE(S):

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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 ½" 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.

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

REVISION HISTORY

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

PROJECT NAME:
T-POST MT70 C 001

PROJECT DESCRIPTION:
T-POST MT70 C 001

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

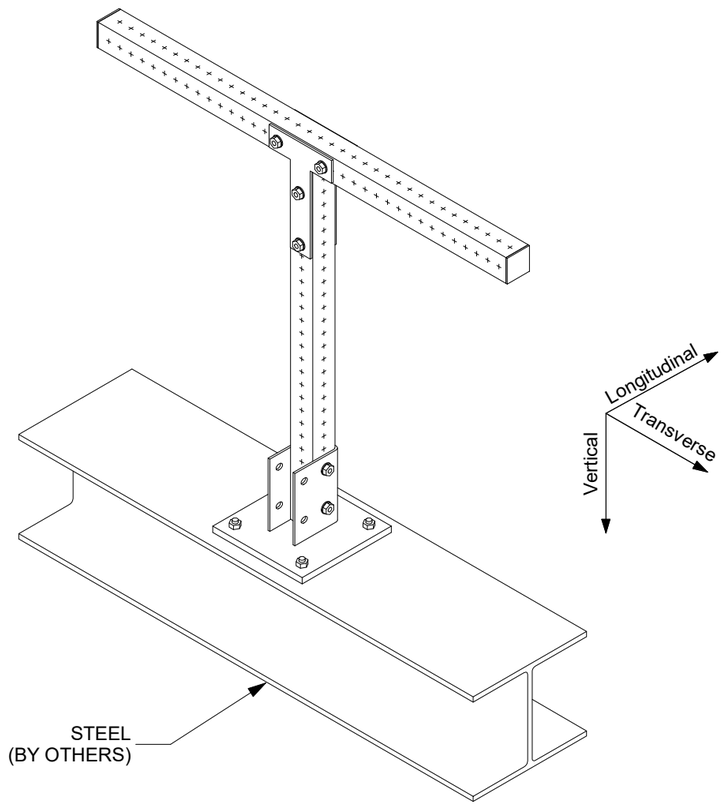
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
-	TP7C2 -	1

BIM 360://Hilti - MT Typicals/TP7C2.rvt

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	2194341	X-BT-MR W10/15 SN 8	4
7	2273697	MT-EC-70	2



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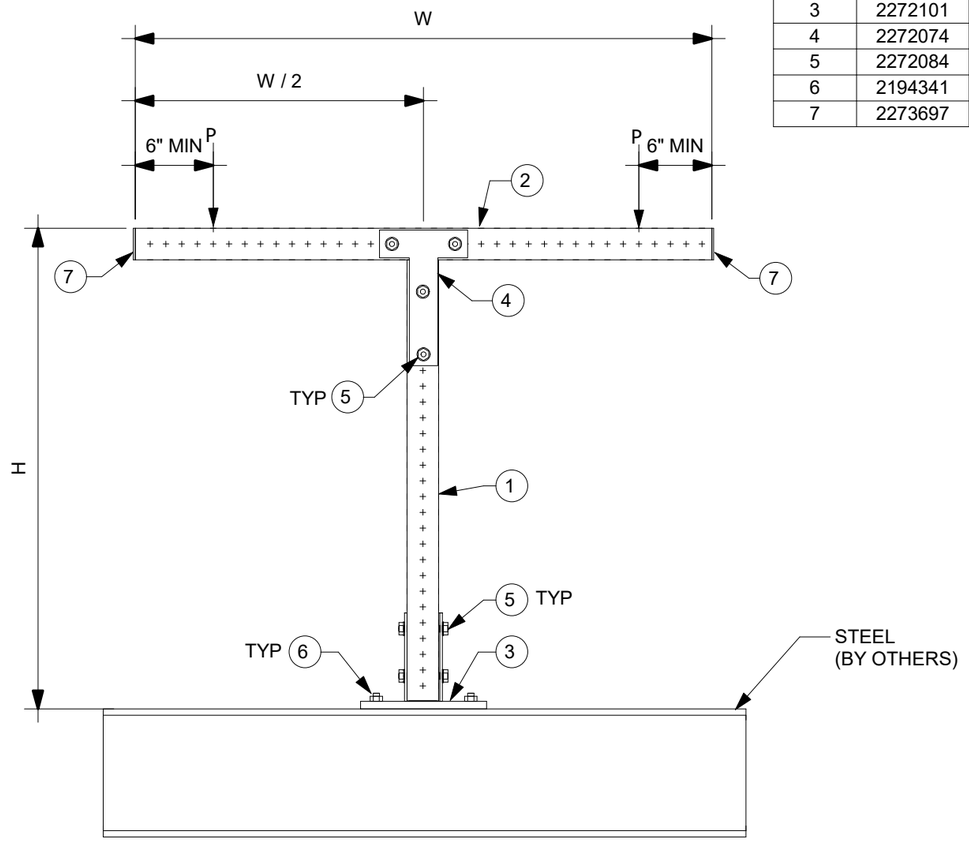


2 ELEVATION
N.T.S.

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
ALLOWABLE LOADS, lbs	Vertical (P)	375	160	90
	Transverse	112	48	27
	Longitudinal	112	48	27

REVISION HISTORY

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

PROJECT NAME:
T-POST MT70 S 002

PROJECT DESCRIPTION:
T-POST MT70 S 002

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

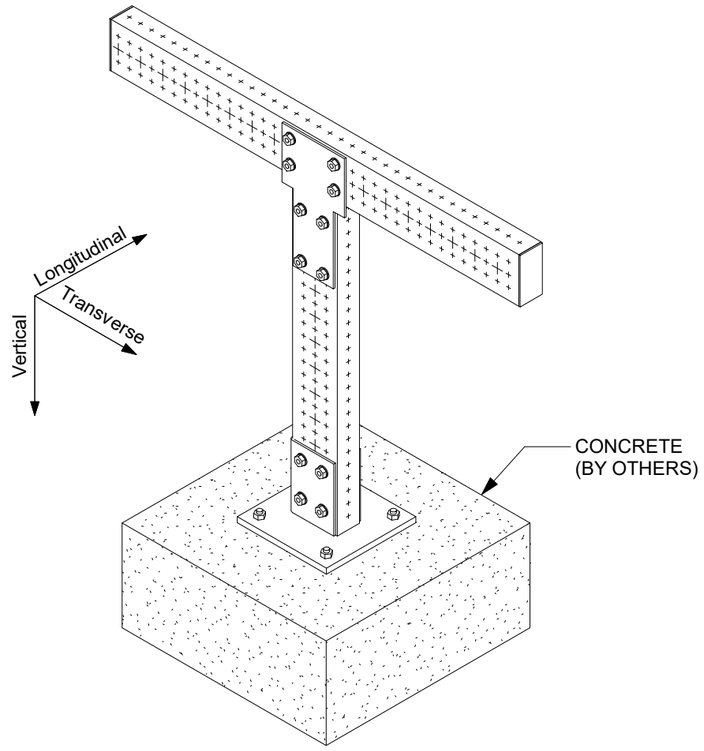
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
	- TP7S2 -	1

BIM 360://Hilti - MT Typicals/TP7S2.rvt

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	387527	ANCHOR KB-TZ 1/2" x 4-1/2" SS304	4
7	2273698	MT-EC-80	2



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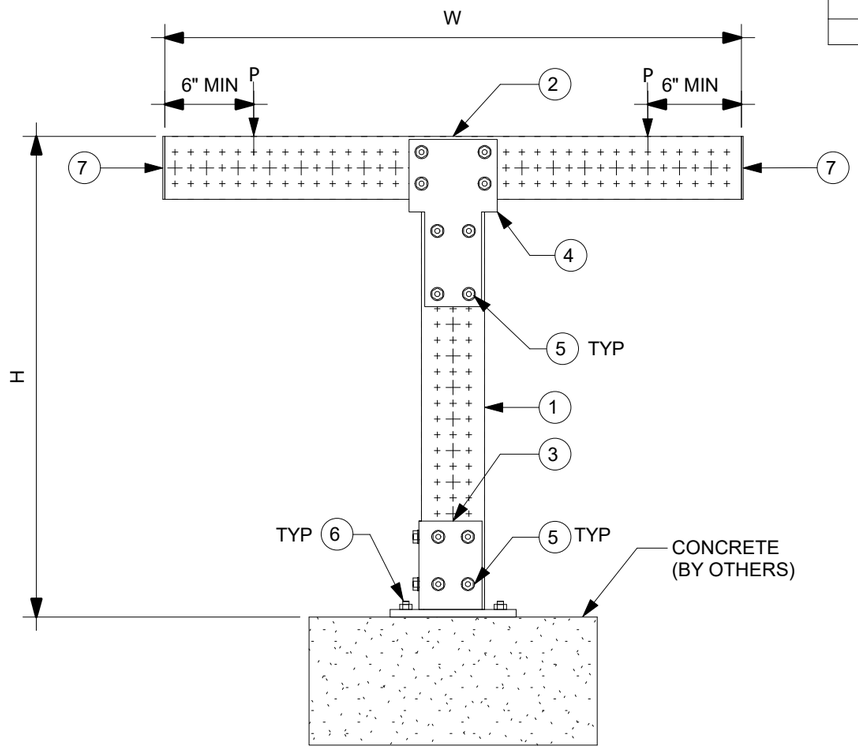
N.T.S.



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.

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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 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 ½" 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.

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

REVISION HISTORY

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

PROJECT NAME:
T-POST MT80 C 001

PROJECT DESCRIPTION:
T-POST MT80 C 001

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

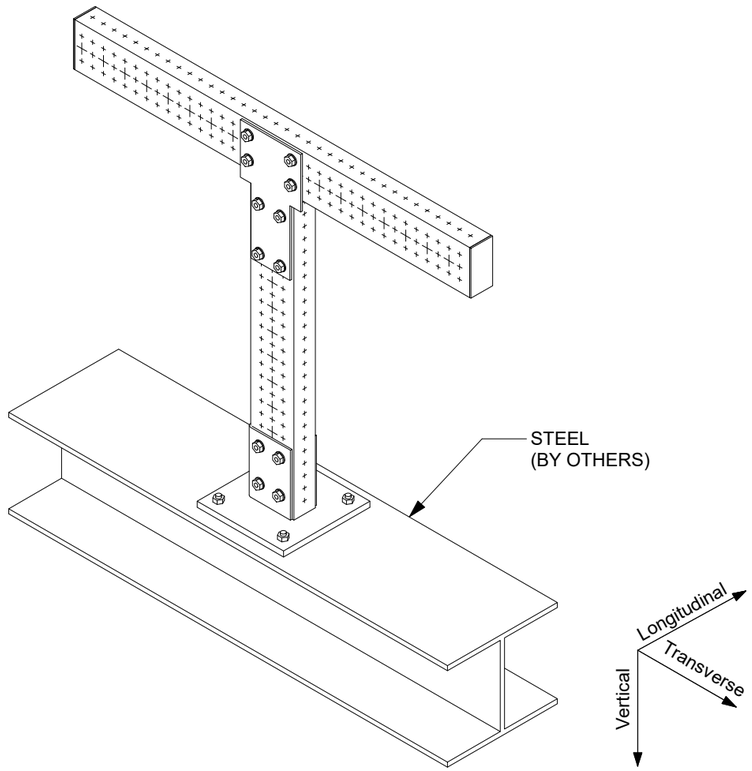
PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
-	TP8C1 -	1

BIM 360://Hilti - MT Typicals/TP8C1.rvt

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



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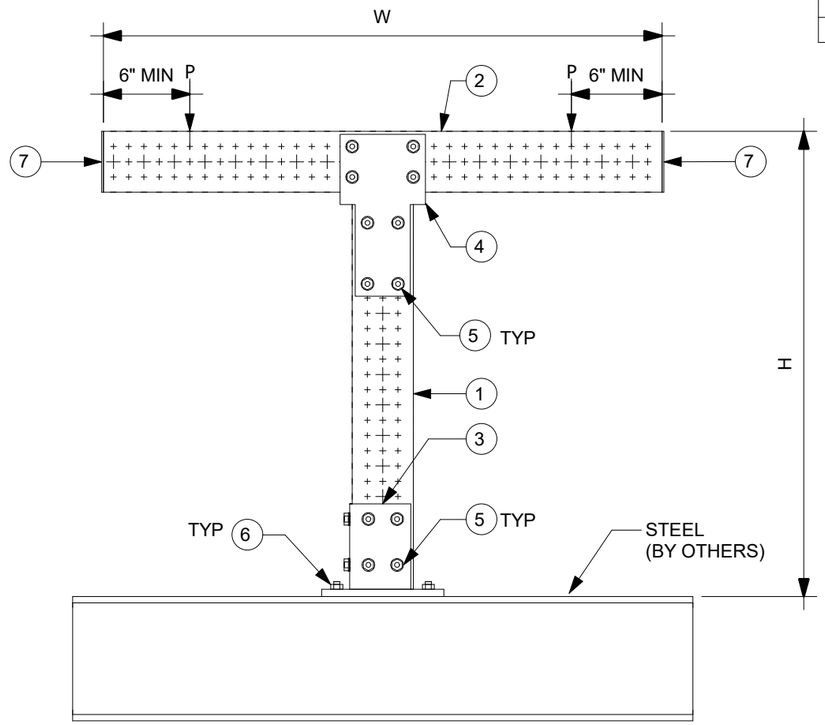
N.T.S.



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

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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
ALLOWABLE LOADS, lbs	Vertical (P)	925	420	240
	Transverse	278	210	72
	Longitudinal	278	210	72

REVISION HISTORY

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

PROJECT NAME:
T-POST MT80 S 002

PROJECT DESCRIPTION:
T-POST MT80 S 002

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

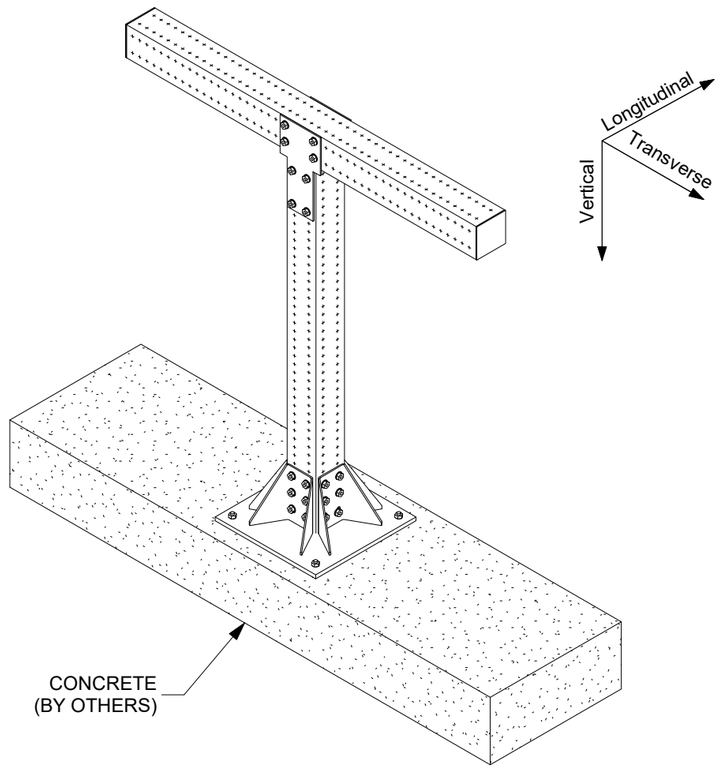
PAPER SIZE: ANSI B

PROJECT NUMBER:

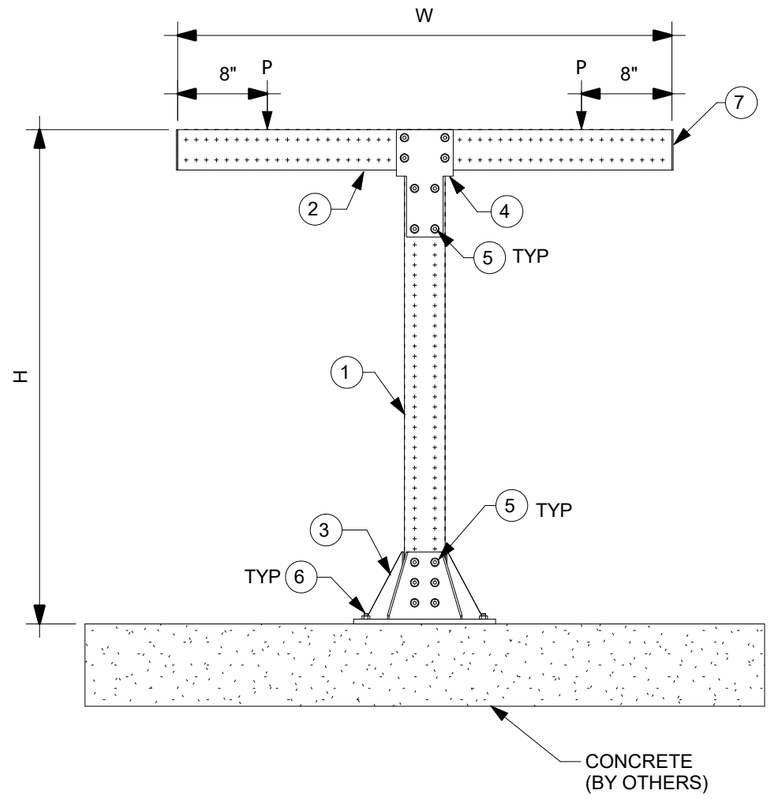
PROJECT	JOB	SHEET
-	TP8S2 -	1

BIM 360://Hilti - MT Typicals/TP8S2.rvt

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



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. USE ½" 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

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

REVISION HISTORY

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

PROJECT NAME:
T-POST - MT90 - C - 001

PROJECT DESCRIPTION:
T-POST - MT90 - C - 001

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

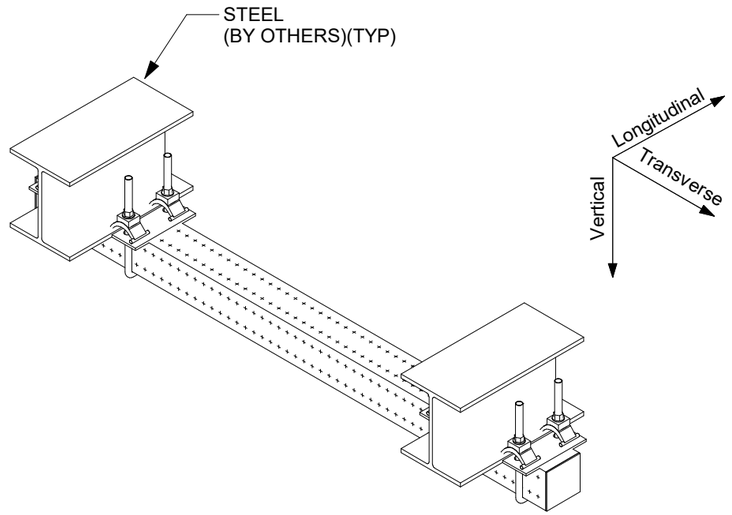
PAPER SIZE: ANSI B

PROJECT NUMBER:

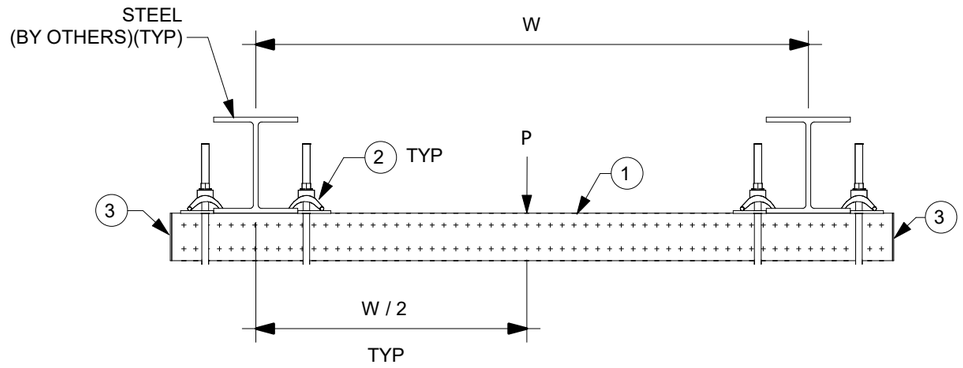
PROJECT	JOB	SHEET
-	TP9C1 -	1

BIM 360://Hilti - MT Typicals/TP9C1.rvt

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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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

REVISION HISTORY

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

PROJECT NAME:
HEADER BEAM 001

PROJECT DESCRIPTION:
HEADER BEAM 001

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

PAPER SIZE: ANSI B

PROJECT NUMBER:

PROJECT	JOB	SHEET
	- HB9S1 -	1

BIM 360://Hilti - MT Typicals/HB9S1.rvt