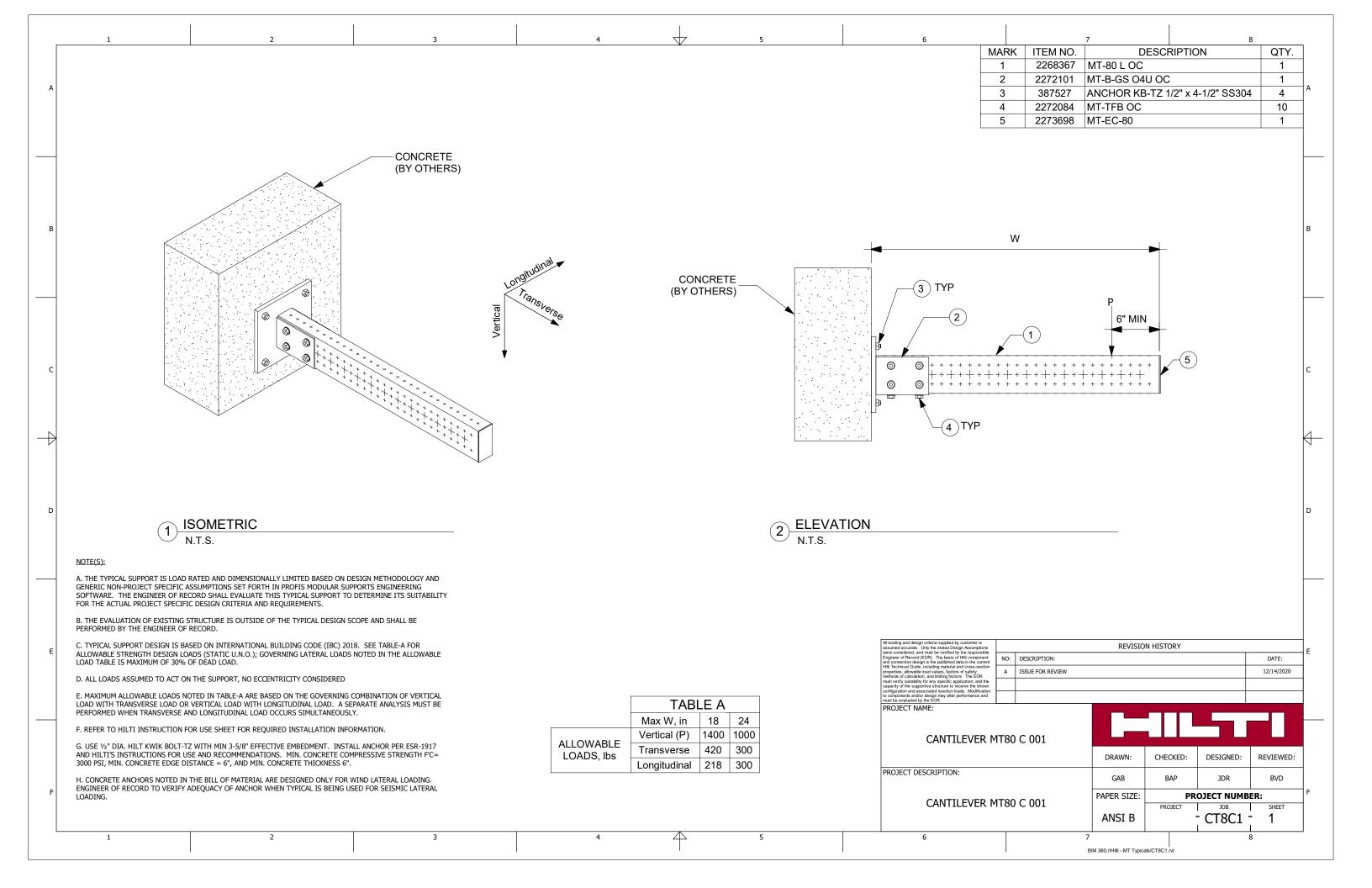
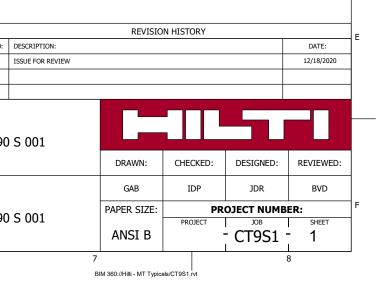


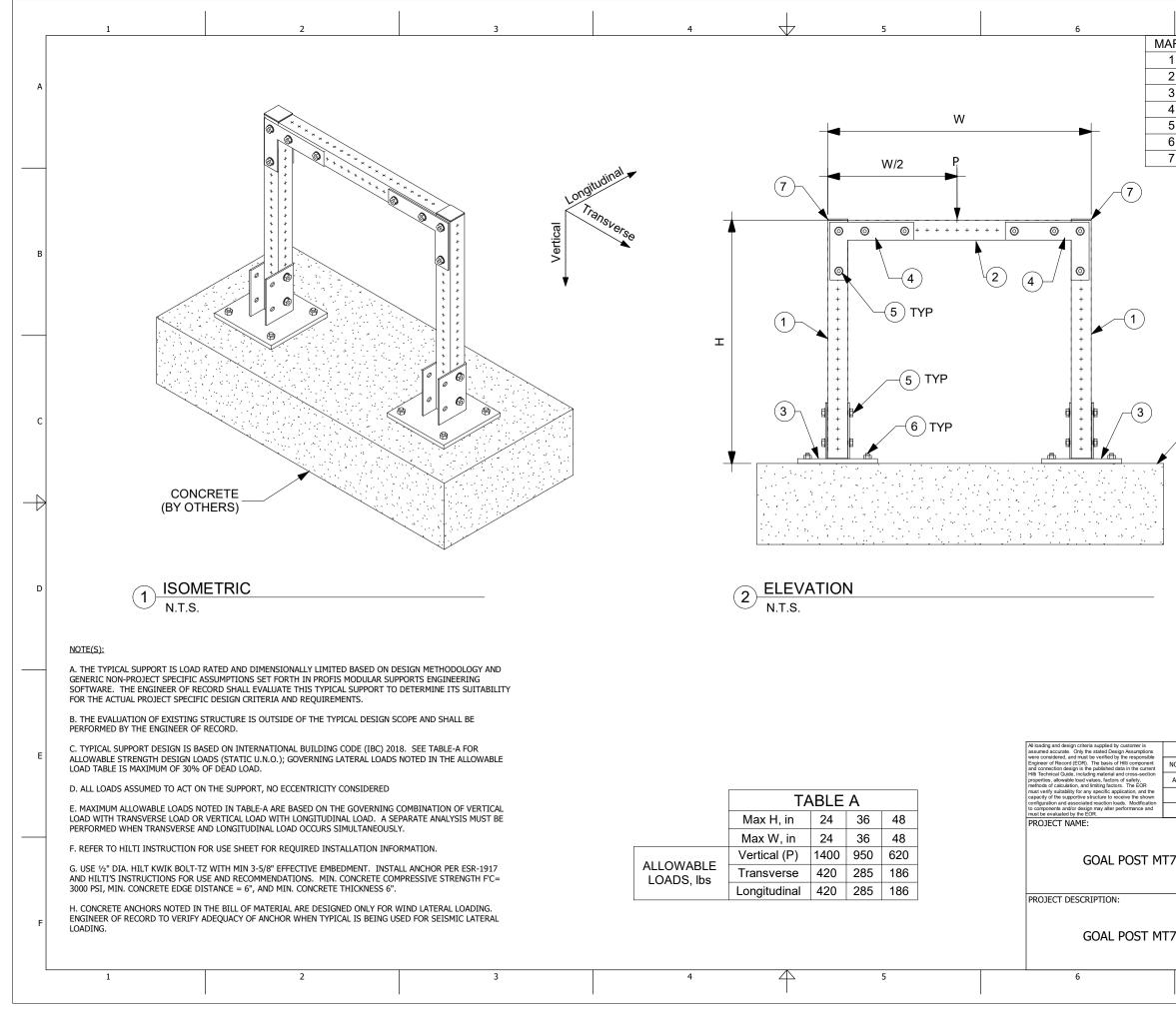
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FOR THE ACTUAL PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.       Revision of the actual product specific DESIGN CRITERIA AND REQUIREMENTS.         B. THE EVALUATION OF EXISTING STRUCTURE IS OUTSIDE OF THE TYPICAL DESIGN SCOPE AND SHALL BE PREFORMED BUILT DESIGN LOADS (STATIC U.N.O.); GOVERNING LATERAL LOADS NOTED IN THE ALLOWABLE LOAD TABLE TO ARCHIVE WILL DATE ARE 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 TO ARCHIVE WILL DATE ARE BASED ON INTERNATIONAL BUILTING COMBINATION OF VESTICAL LOAD SASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.       TABLE A Max W, in 18 24 Vertical (P) 550 350 Transverse 165 105 LOADS, IbS       No eccentractive and submit spectra transverse 165 105 LOADS, IbS       No eccentractive and transverse to angle using A TORQUE wrentor AN COMPANY ALLOWABLE SAVE FOR REVIEW       No eccentractive and transverse to angle using A TORQUE wrentor AN COMPANY ALLOWABLE LOADS, IbS       No eccentractive and transverse to angle using A TORQUE wrentor AN COMPANY ALLOWABLE LOADS, IbS       No eccentractive and transverse to angle using A TORQUE wrentor AN COMPANY ALLOWABLE LOADS, IbS       No eccentractive and transverse to angle using A TORQUE wrentor AN COMPANY ALLOWABLE LOADS, IbS       No eccentractive and transverse to angle using A TORQUE wrentor AN COMPANY ALLOWABLE LOADS, IbS       No eccentractive and transverse to angle using A TORQUE wrentor AN COMPANY ALLOWABLE LOADS, IbS       No eccentractive and transverse to angle using A TORQUE wrentor AN COMPANY ALLOWABLE LOADS, IbS       No eccentractive and transverse to angle using A TORQUE wrentor AN COMPANY ALLOWABLE LOADS, IbS       No eccentractive and transverse to angle using A TORQUE wrentor AN COMPANY ALLOWABLE LOADS, IbS </th <th>A. THE TYPICAL SUPPORT IS L GENERIC NON-PROJECT SPECI</th> <th>N.T.S. OAD RATED AND DIMENSIONALLY LIMITED BASED IFIC ASSUMPTIONS SET FORTH IN PROFIS MODULA</th> <th>R SUPPORTS ENGINEERING</th> <th></th> <th></th> <th></th> <th>2 ELE N.T.</th> <th>EVATION .s.</th> <th></th> <th></th> <th></th>	A. THE TYPICAL SUPPORT IS L GENERIC NON-PROJECT SPECI	N.T.S. OAD RATED AND DIMENSIONALLY LIMITED BASED IFIC ASSUMPTIONS SET FORTH IN PROFIS MODULA	R SUPPORTS ENGINEERING				2 ELE N.T.	EVATION .s.			
B. THE EVALUATION OF EXISTING STRUCTURE IS OUTSIDE OF THE TYPICAL DESIGN SCOPE AND SHALL BE PERFORMED BY THE EVALUATION OF EXISTING STRUCTURE IS OUTSIDE OF THE TYPICAL DESIGN SCOPE AND SHALL BE PERFORMED BY THE EVALUATION OF EXISTING STRUCTURE IS OUTSIDE OF THE TYPICAL DESIGN SCOPE AND SHALL BE PERFORMED BY THE EVALUATION OF EXISTING STRUCTURE IS ABSED ON INTERNATIONAL BULDING CODE (IBC) 2018. SEE TABLE-A FOR ALLOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.       Image: mail of the type of the t	SOFTWARE. THE ENGINEER C	OF RECORD SHALL EVALUATE THIS TYPICAL SUPPOR	RT TO DETERMINE ITS SUITABILITY					assumed accurate. Only the stated Design Assumptions	REVIS	ION HISTORY	
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.SA ARE BASED ON THE GOVERNING COMBINATION OF VENTICAL LOAD VIENT TRANSVERSE LOAD OR VENTICAL LOAD WITH LONGTUDINAL LOAD CCURS SIMULTANEOUSY. F. REFER TO HILLI INSTRUCTION FOR USES SIMULTANEOUSY. F. REFER TO HILLI INSTRUCTION FOR USES SHALL DADS AND FOR USES BUT MAY BE INSTALLED SING A TORQUE WRENCH OR SI-AT-22 PER INSTRUCTION FOR USES. G. X-BT REQUIREMENT: MIN. STELE BASE MATERIAL THICKNESS SHALL BE 5/16". MIN EDGE DISTANCE SHALL BE 38". MIN YIELD STRENGTH OF STELE SHALL BE FY=36KSI.			IGN SCOPE AND SHALL BE					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			DATE:
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 THE SUPPORT, NO ECCENTRICITY CONSIDERED. E. MAXIMUM ALLOWABLE LOADS NOTED IN THE SUPPORT, NO ECCENTRICITY CONSIDERED. E. MAXIMUM ALLOWABLE LOAD OR VERTICAL LOAD WITH LONGTUDINAL LOAD A SEPARATE ANALYSIS MUST BE PERFORMED WHEN TRANSVERSE LOAD OR VERTICAL LOAD WITH LONGTUDINAL LOAD A SEPARATE ANALYSIS MUST BE PERFORMED WHEN TRANSVERSE AND LONGTUDINAL LOAD OCCURS SIMULTANEOUSLY. F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTRULATION INFORMATION. THREAD FORMING BOLT MAY BE INSTALLED UNRENCH ORS STATUS ES HEET FOR REQUIRED INSTRUCTION FOR USE. G. X-BT REQUIREMENT: MIN. STELEL BASE MATERIAL THICKNESS SHALL BE 5/16". MIN EDGE DISTANCE SHALL BE 3/8". MIN YIELD STRENGTH OF STEEL SHALL BE FY=36KSI.								properties, allowable load values, factors of safety, A ISS methods of calculation, and limiting factors. The EOB			08/19/203
LUAD TABLE IS MAXIMUM OF 34% OF DEAD LUAD.       IABLE AR       IABLE IS MAXIMUM OF 34% OF DEAD LUAD.       PROJECT NAME:       Max W, in       18       24         D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.       Max W, in       18       24         LOAD WITH TRANSVERSE LOAD ON OTED IN TABLE-A RE BASED ON THE GOVERNING COMBINITION OF VERTICAL LOAD WITH LONGITUDINAL LOAD. A SEPARATE ANALYSIS MUST BE PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUSLY.       Image: CANTILEVER MT70 S 001       Image: CANTILEVER MT70 S 001         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.       Image: CANTILEVER MT70 S 001       Image: CANTILEVER MT70 S 001         G. X-BT REQUIREMENT: MIN. STEEL BASE MATERIAL THICKNESS SHALL BE 5/16". MIN EDGE DISTANCE SHALL BE 5/16". M	ALLOWABLE STRENGTH DESIG	IN LOADS (STATIC U.N.O.); GOVERNING LATERAL L	C) 2018. SEE TABLE-A FOR OADS NOTED IN THE ALLOWABLE					configuration and associated reaction loads. Modification to components and/or design may alter performance and must be evaluated by the EOR.			
LOAD WITH TRANSVERSE LOAD OR VERTICAL LOAD WITH LONGTUDINAL LOAD. A SEPARATE ANALYSIS MUST BE         LOAD WITH TRANSVERSE LOAD OR VERTICAL LOAD WITH LONGTUDINAL 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.							24				
LOAD WITH TRANSVERSE LOAD OR VERTICAL LOAD WITH LONGTUDINAL LOAD. A SEPARATE ANALYSIS MUST BE         LOAD WITH TRANSVERSE LOAD OR VERTICAL LOAD WITH LONGTUDINAL 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.		·									
PERFORMED with where where the construction for use sheet for REQUIREd INSTALLATION INFORMATION. THREAD FORMING       LOADS, iDS       Longitudinal       165       105         F. REFER TO HILTI INSTRUCTION FOR USE Sheet FOR REQUIRED INSTALLATION INFORMATION. THREAD FORMING       Longitudinal       165       105         BOLT MAY BE INSTALLED USING A TORQUE WRENCH OR SI-AT-A22 PER INSTRUCTION FOR USE.       GAB       BAP       JDR       BVD         G. X-BT REQUIREMENT: MIN. STEEL BASE MATERIAL THICKNESS SHALL BE 5/16". MIN EDGE DISTANCE SHALL BE       FROJECT NUMBER:       NOB       PROJECT NUMBER:         3/8". MIN YIELD STRENGTH OF STEEL SHALL BE FY=36KSI.       MIN YIELD STRENGTH OF STEEL SHALL BE FY=36KSI.       NOB       SHEET	LOAD WITH TRANSVERSE LOA	D OR VERTICAL LOAD WITH LONGITUDINAL LOAD.	A SEPARATE ANALYSIS MUST BE			. ,		CANTILEVER MT70 S	001		
BOLT MAY BE INSTALLED USING A TORQUE WRENCH OR SI-AT-222 PER INSTRUCTION FOR USE.         G. X-BT REQUIREMENT: MIN. STEEL BASE MATERIAL THICKNESS SHALL BE 5/16". MIN EDGE DISTANCE SHALL B	PERHURIVIED WHEN TRANSVER				LUADS, Ibs				DRAWN:		REVIEW
3/8". MIN YIELD STRENGTH OF STEEL SHALL BE FY=36KSI.		IC A TODOUE WEENCH OD CLAT ADD DED INCTDUC	CTION FOR USE.						GAB	BAP JDR	BVD
ANSI B - CT7S1 - 1	F. REFER TO HILTI INSTRUCTI	NG A TURQUE WRENCH OR SI-AT-AZZ PER INSTRUC							PAPER SIZE	PROJECT NUMBE	ER:
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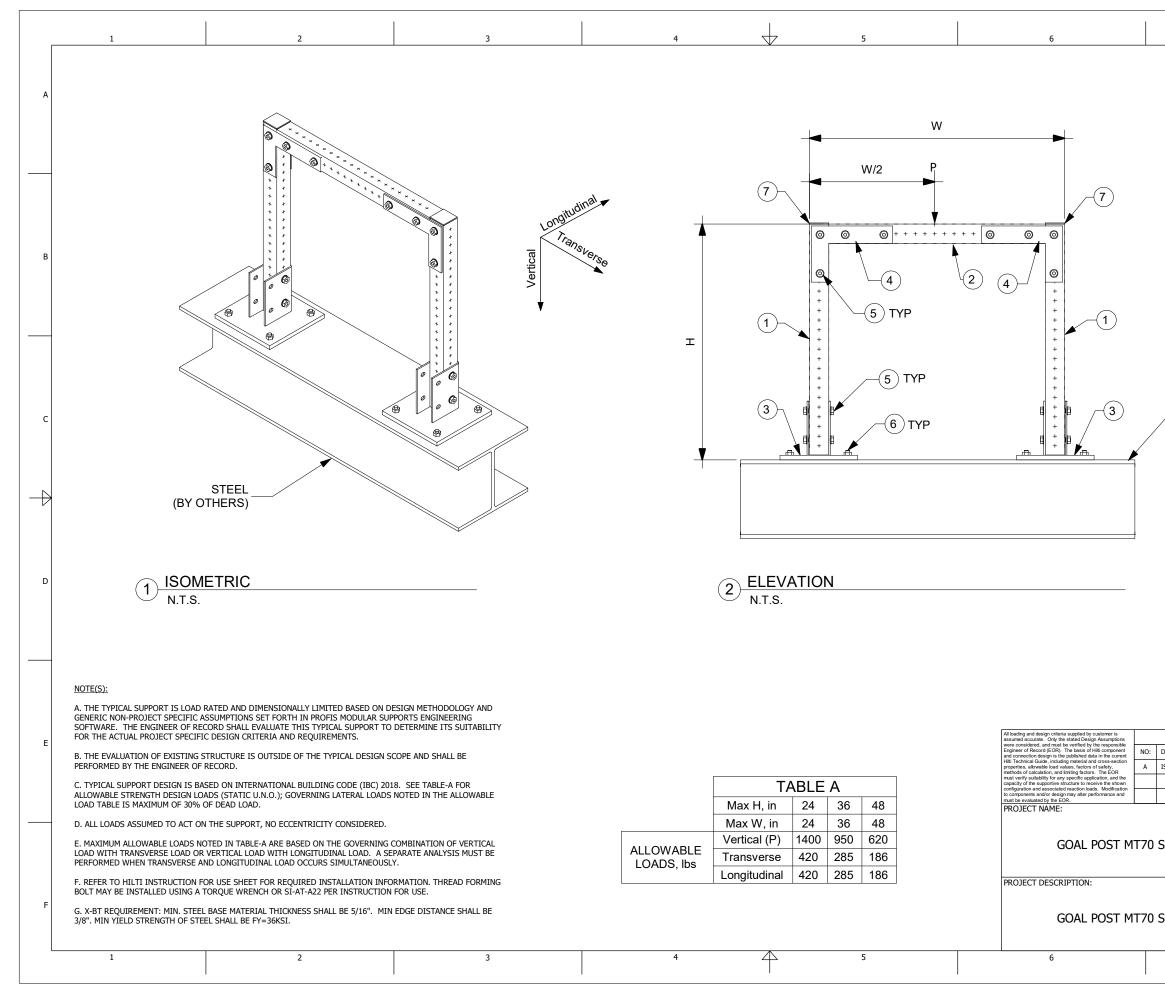
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А							MARK 1 2 3 4 5	ITEM NO. 2268369 VARIES 2272084 387398 2273699	DESCRIPTION MT-90 OC MT-B-GXL S+ OC (SEE TABLI MT-TFB OC MI-SGC M16 MT-EC-90	QTY. 1 E) 1 18 4 1 1
В	STEEL (BY OTHERS)	Vertical Vertical	STE (BY OTHER	EL {S)	W				MT-B-GXL S+ OC*'B' WidthItem No.12.9 to 6.5227210626.5 to 9.2227210739.2 to 11.82272108	В
c					-(1) -(2) ) TYP YP					c
D	1 ISOMETRIC N.T.S.		2	ELEVATION N.T.S.						D
E	<u>NOTE(S):</u> A. THE TYPICAL SUPPORT IS LOAD RATED AND DIMENSIONALLY LIMITED BASED ON GENERIC NON-PROJECT SPECIFIC ASSUMPTIONS SET FORTH IN PROFIS MODULAR SU SOFTWARE. THE ENGINEER OF RECORD SHALL EVALUATE THIS TYPICAL SUPPORT T FOR THE ACTUAL PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS. B. THE EVALUATION OF EXISTING STRUCTURE IS OUTSIDE OF THE TYPICAL DESIGN PERFORMED BY THE ENGINEER OF RECORD.	UPPORTS ENGINEERING O DETERMINE ITS SUITABILITY				Al loading and design criteria supplied by customer is assumed accurate. Only the stated Design Assumptions were considered, and must be verified by the responsible Engineer of Record (EOR). The basis of Hill component and connection design is the published data in the current Hill Technical Guide, including material and cross-action properties, allowable had values, factors of stafe you must verify suitability for any specific application, and the capacity of the supportive structure to receive the shown configuration and associated reaction back. Modification to components and/or design my alter parformance and	A ISSUE FOR R		REVISION HISTORY	DATE: 12/18/2020
F	<ul> <li>C. TYPICAL SUPPORT DESIGN IS BASED ON INTERNATIONAL BUILDING CODE (IBC) 2 ALLOWABLE STRENGTH DESIGN LOADS (STATIC U.N.O.); GOVERNING LATERAL LOAD LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.</li> <li>D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.</li> <li>E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON THE GOVERNING LOAD WITH TRANSVERSE LOADS NOTED IN TABLE-A ARE BASED ON THE GOVERNING LOAD WITH TRANSVERSE LOADS NOTED IN TABLE-A ARE BASED ON THE GOVERNING PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUS</li> <li>F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INF BOLT MAY BE INSTALLED USING A TORQUE WRENCH OR SI-AT-A22 PER INSTRUCTION</li> </ul>	IS NOTED IN THE ALLOWABLE G COMBINATION OF VERTICAL SEPARATE ANALYSIS MUST BE SLY. FORMATION. THREAD FORMING	ALLOWABLE LOADS, lbs	Max W, in364Vertical (P)11008Transverse3302Longitudinal3302	40	PROJECT NAME: PROJECT DESCRIPTION: CANTILEVER CANTILEVER		PA	DRAWN: CHECKED: DESIGNED: GAB IDP JDR PER SIZE: PROJECT NUMB PROJECT JOB	REVIEWED: BVD ER: SHEET
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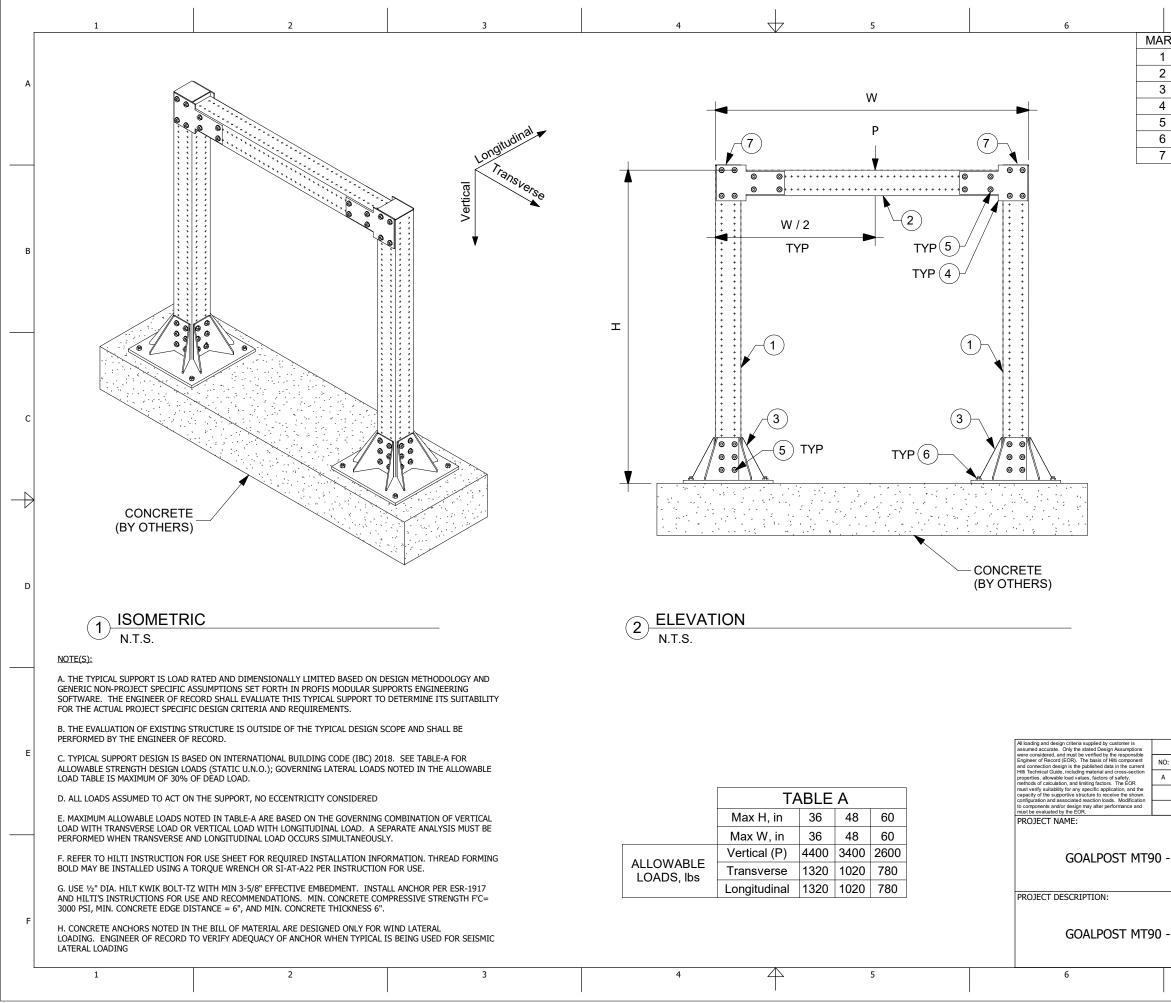
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	1 2	3	4	$\neg$	5	6	MARK	ITEM NO.	DESCRIPTIO	N QTY.
							1	2268491	MT-100 OC	1
А							2	2272104 2272084	MT-B-GXL-O4 OC MT-TFB OC	1 30
							4	387530	ANCHOR KB-TZ 5/8" X 4	
							5		MT-EC-100	1
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	SOFTWARE. THE ENGINEER OF RECORD SHALL EVALUATE THIS TYPICAL SUPPORT TO FOR THE ACTUAL PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.	DETERMINE ITS SUITABILITY								
	B. THE EVALUATION OF EXISTING STRUCTURE IS OUTSIDE OF THE TYPICAL DESIGN S	COPE AND SHALL BE								
E	PERFORMED BY THE ENGINEER OF RECORD. C. TYPICAL SUPPORT DESIGN IS BASED ON INTERNATIONAL BUILDING CODE (IBC) 20:					All loading and design criteria assumed accurate. Only the were considered, and must b Engineer of Record (EOR).	stated Design Assumptions e verified by the responsible		REVISION HISTORY	E
	C. TYPICAL SOPPORT DESIGN IS BASED ON INTERNATIONAL BUILDING CODE (IBC) 20. ALLOWABLE STRENGTH DESIGN LOADS (STATIC U.N.O.); GOVERNING LATERAL LOADS LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.	NOTED IN THE ALLOWABLE				Engineer of Record (EOR). and connection design is the Hilti Technical Guide, includin properties, allowable load val	published data in the current	DESCRIPTION:		DATE: 12/18/2020
						methods of calculation, and li must verify suitability for any capacity of the supportive str	miting factors. The EOR specific application, and the ucture to receive the shown	SOUL FOR REVIEW		12/10/2020
	<ul><li>D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED</li><li>E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON THE GOVERNING</li></ul>			TABLE A		configuration and associated to components and/or design must be evaluated by the EO				
	E. MAAIMON ALLOWABLE LOADS NOTED IN TABLE-A ARE DASED ON THE GOVERNING LOAD WITH TRANSVERSE LOAD OR VERTICAL LOAD WITH LONGITUDINAL LOAD. A SE PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUSL	EPARATE ANALYSIS MUST BE		Max W, in 36	48	PROJECT NAME:				
	F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFO			Vertical (P) 2700		CANT	ILEVER - MT100	- C - 001		
	BOLT MAY BE INSTALLED USING A TORQUE WRENCH OR SI-AT-A22 PER INSTALLATION INC	FOR USE.	ALLOWABLE LOADS, lbs	Transverse 810	570			C - 001	DRAWN: CHECKED:	DESIGNED: REVIEWED:
	G. USE 1/2" DIA. HILT KWIK BOLT-TZ WITH MIN 3-5/8" EFFECTIVE EMBEDMENT. INSTA AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COM	MPRESSIVE STRENGTH F'C=		Longitudinal 810	570	PROJECT DESCRI	PTION:		GAB IDP	JDR BVD
	3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".									JECT NUMBER:
F	H. CONCRETE ANCHORS NOTED IN THE BILL OF MATERIAL ARE DESIGNED ONLY FOR					CAN	TILEVER - MT100-	C - 001	PROJECT	JOB SHEET
F	LOADING. ENGINEER OF RECORD TO VERIFY ADEQUACY OF ANCHOR WHEN TYPICAL					1				CT1C1 - 4
F	LOADING. ENGINEER OF RECORD TO VERIFY ADEQUACY OF ANCHOR WHEN TYPICAL LATERAL LOADING								ANSI B -	CT1C1 - 1
F		3	4	4	5	6			7 BIM 360://Hilli - MT Typicals/CT9C1.rvt	



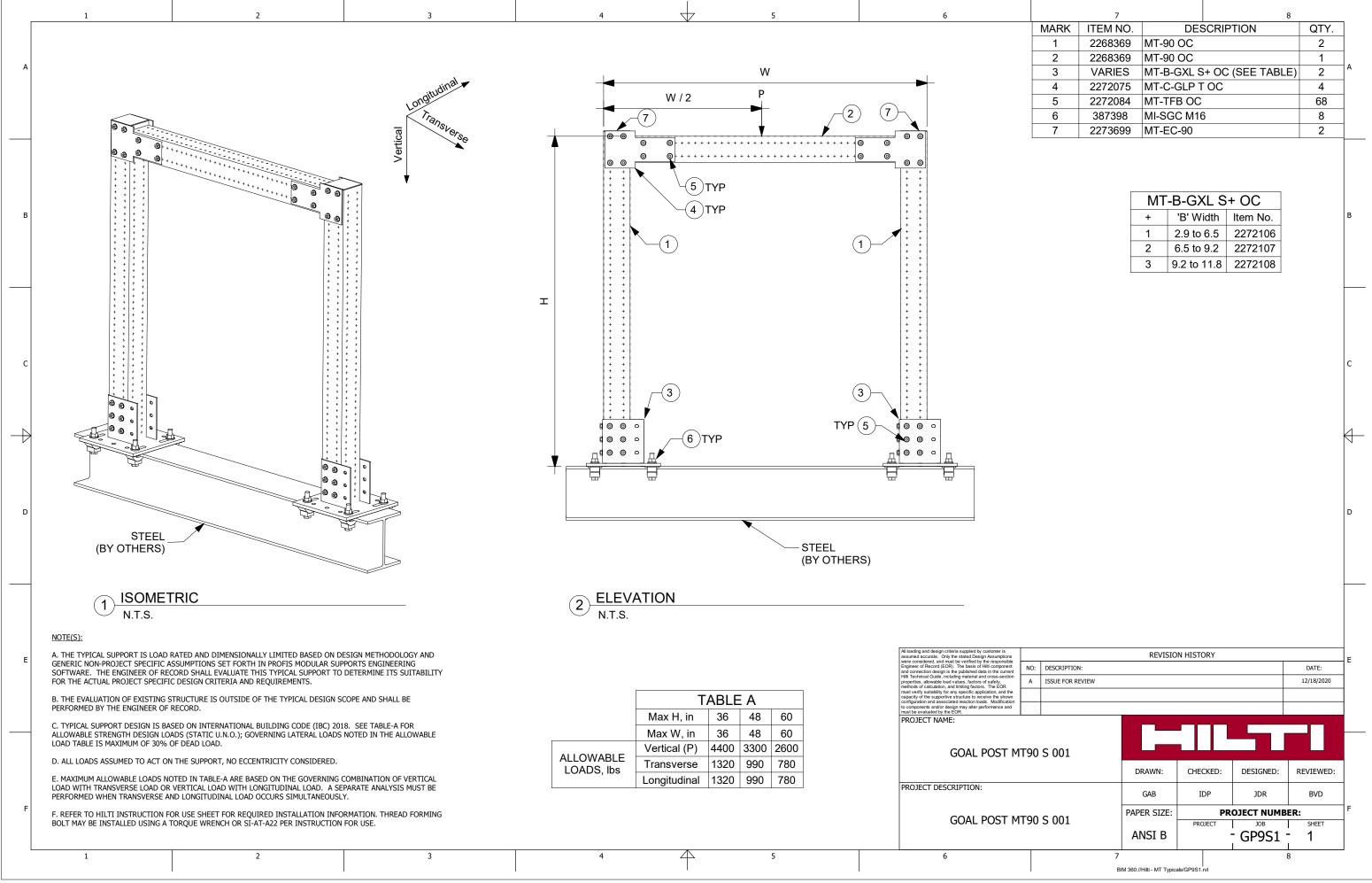
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2		MT-70 L OC			1	-
3		MT-B-GS 04			2	A
4		MT-C-GSP L			4	-
5		MT-TFB OC			28	
6		ANCHOR KE	3-TZ 1/2" x 4	1-1/2" SS304		
7		MT-EC-70			2	
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	ITEM NO. 2268365	MT-70 L O		QTY. 2	
	2268365	MT-70 L O		1	-
3	2200303	MT-B-GS C		2	A
4	2272073	MT-C-GSP		4	-
5	2272084	MT-TFB O		28	
6	2194341	X-BT-MR V	V10/15 SN 8		
7	2273697	MT-EC-70		2	
STEEL (BY OTHE	RS)				в С
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7 Bi	IM 360://Hilti - MT Typica	als/GP7S1.rvt		3	-

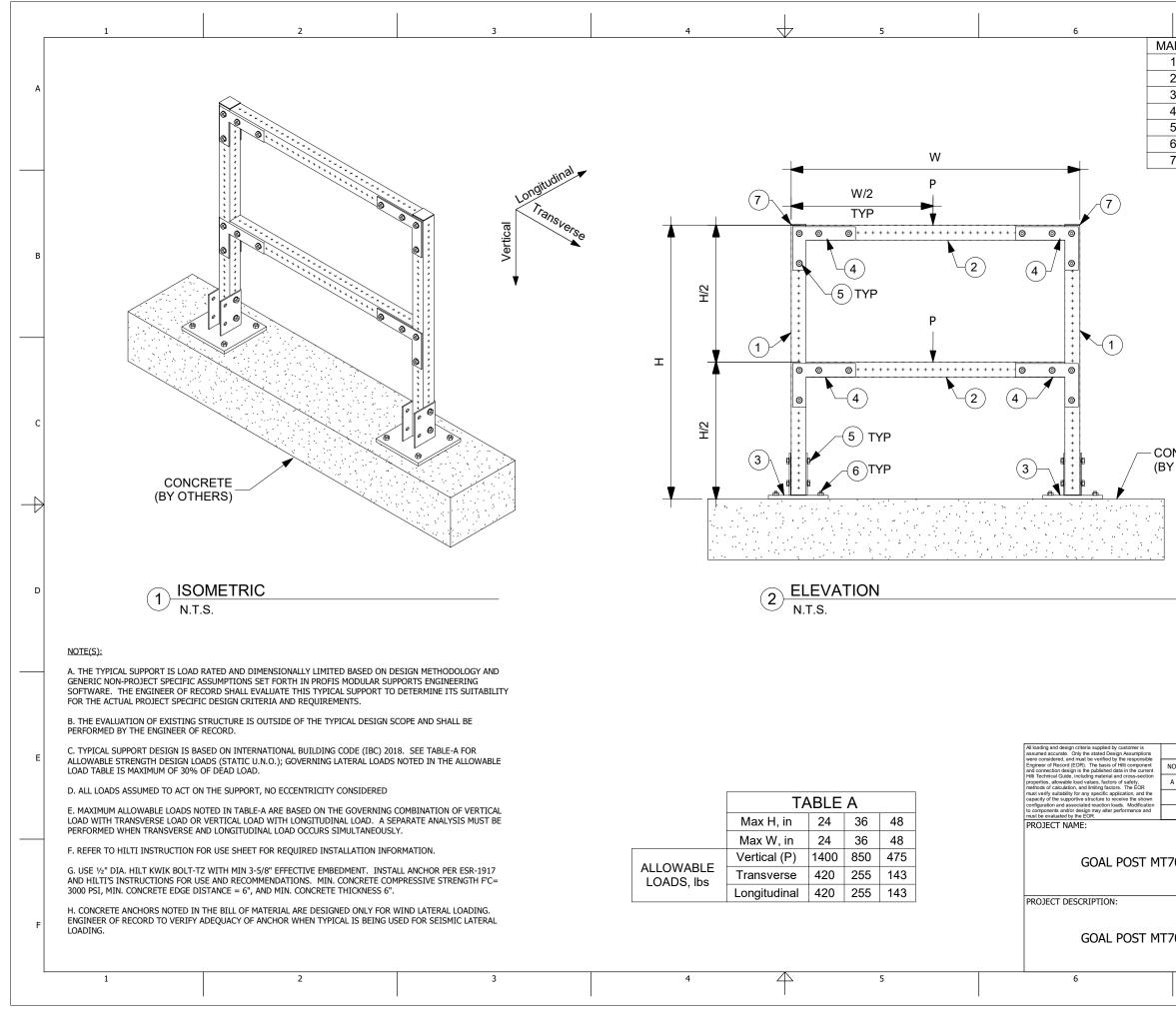


ARK ITEM NO. DESCRIPTION	QTY.
1 2268369 MT-90 OC	2
2 2268369 MT-90 OC	1
3 2272103 MT-B-GL-O4 OC	2 A
4 2272075 MT-C-GLP T OC	4
5 2272084 MT-TFB OC	80
6 387530 ANCHOR KB-TZ 5/8" X 4-3/4" SS304	8
7 2273699 MT-EC-90	2
	B
	4-
	D
REVISION HISTORY	E
	ATE: 18/2020
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ANSI B - GP9C1 - 1	
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BIM 360://Hilti - MT Typicals/GP9C1.rvt	

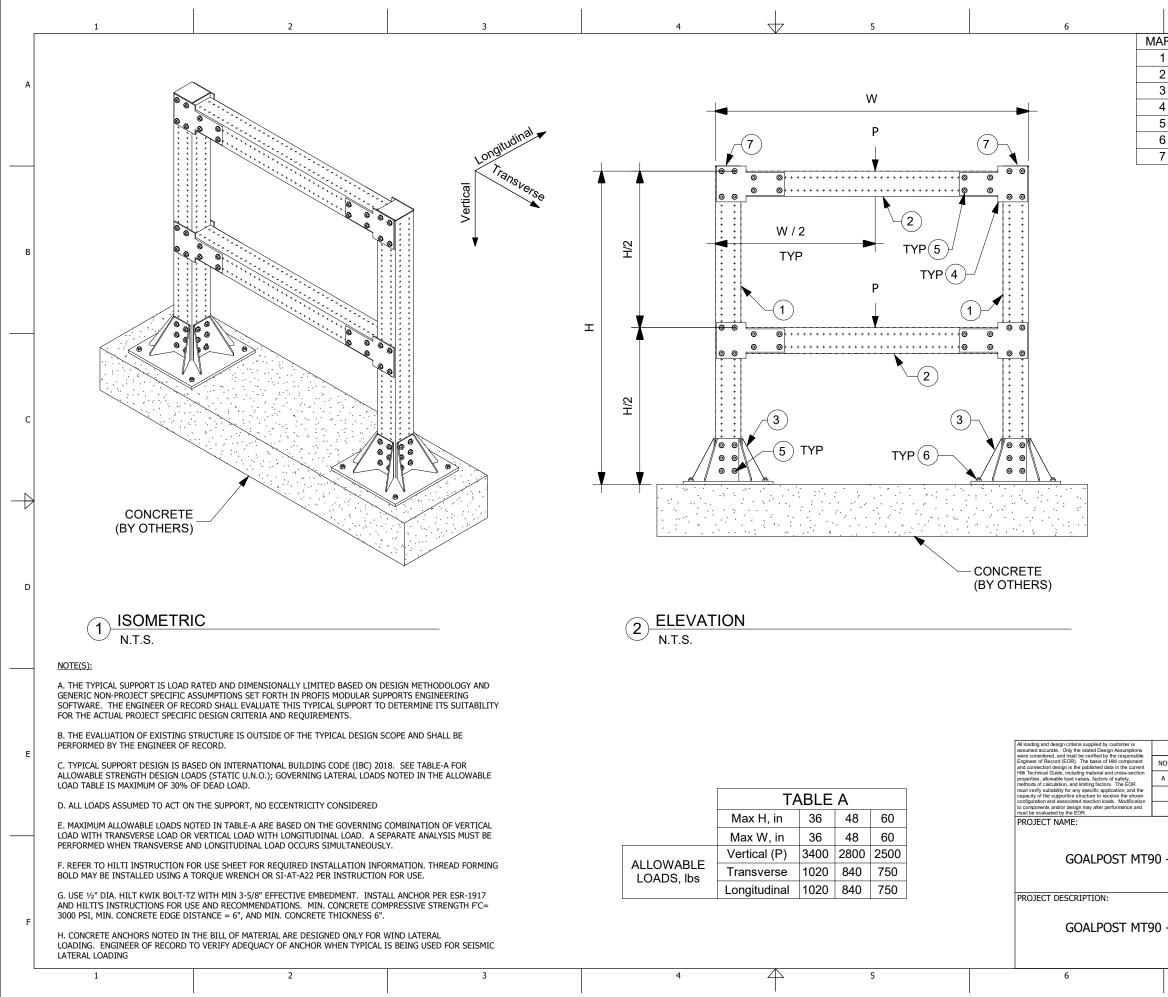


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MARK	ITEM NO.	DES	SCRIPTION	QTY.	]
1	2268369	MT-90 OC	MT-90 OC		
2	2268369	MT-90 OC	1	]	
3	VARIES	MT-B-GXL S	2	A	
4	2272075	MT-C-GLP T	MT-C-GLP T OC		
5	2272084	MT-TFB OC	68		
6	387398	MI-SGC M16	8		
7	2273699	MT-EC-90		2	

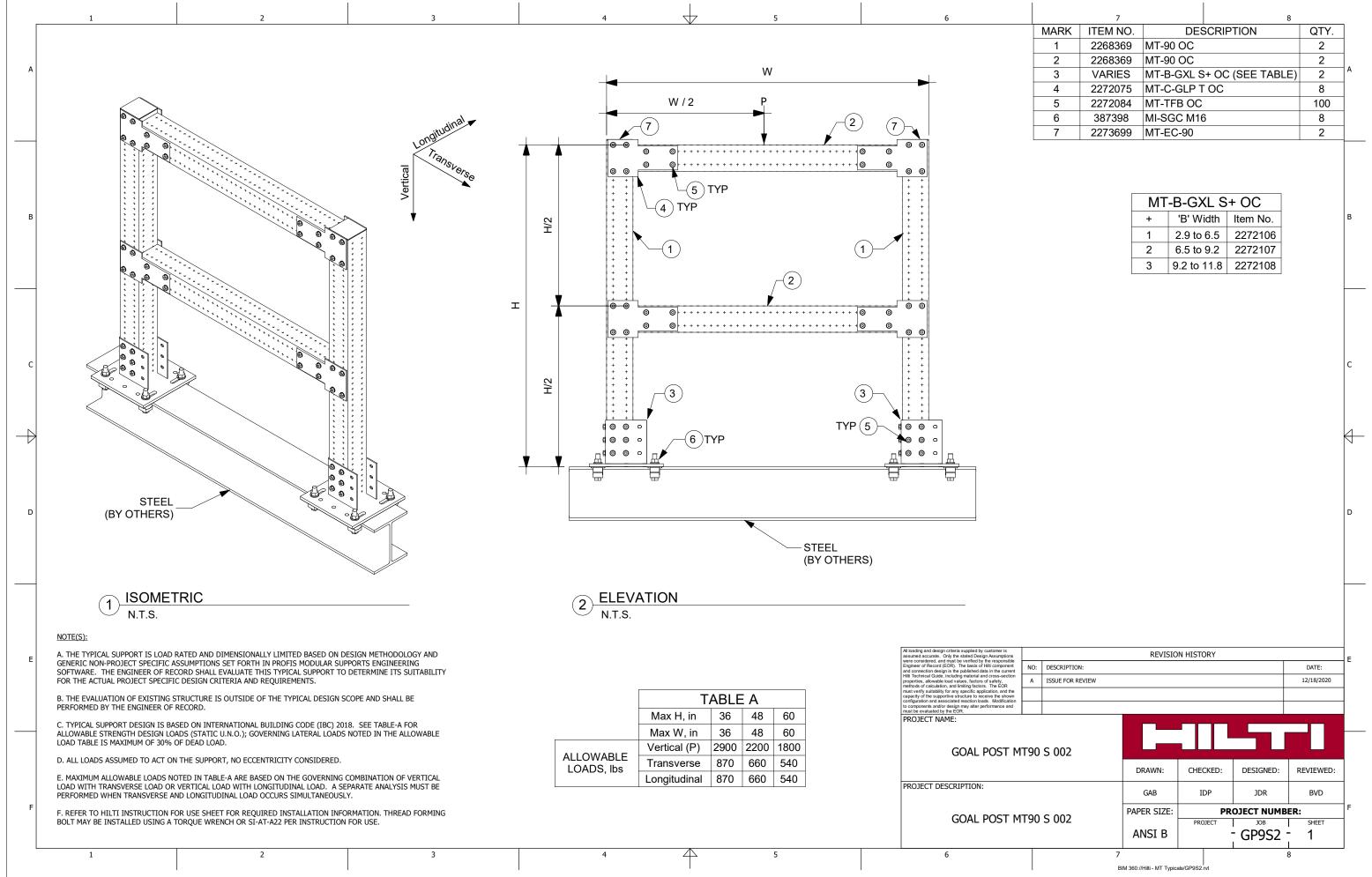
MT-B-GXL S+ OC					
+	'B' Width Item No.				
1	2.9 to 6.5	2272106			
2	6.5 to 9.2	2272107			
3	9.2 to 11.8	2272108			



	7				8	
ARK	ITEM NO.	C	DESCRIPTI		QTY.	ן ו
1		MT-70 L OC		-	2	
2	2268365	MT-70 L OC	;		2	1.
3		MT-B-GS O4			2	A
4		MT-C-GSP I			8	
5		MT-TFB OC		4.4/01 0.000	44	
6 7		ANCHOR K MT-EC-70	B-1Z 1/2" x	4-1/2" \$\$30	04 8 2	-
1	2213091	WIT-EC-70			2	┼── │
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	7 B	IM 360://Hilti - MT Typica	als/GP7C2.rvt		8	-

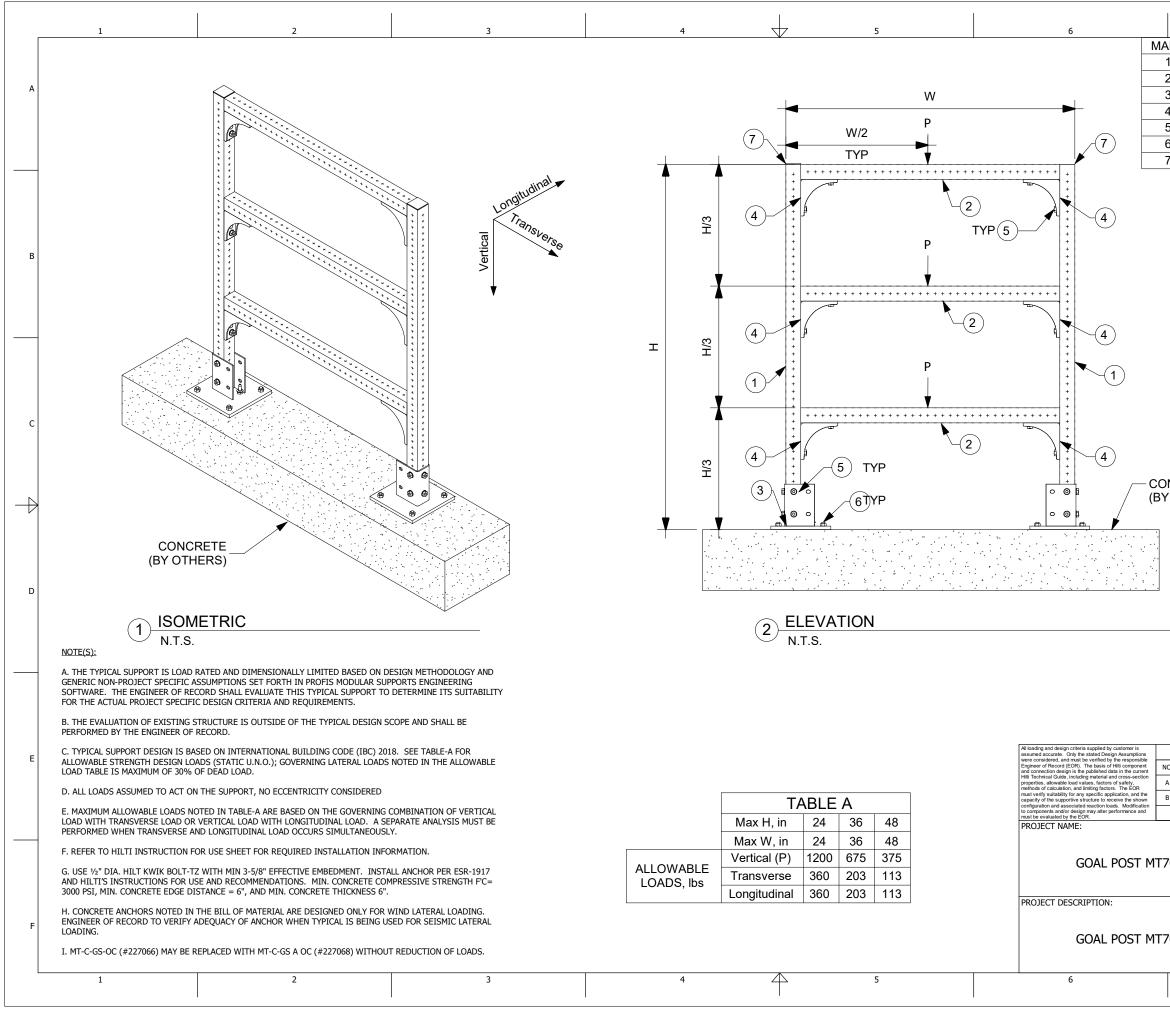


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١R			ESCRIPTIC		QTY.	1
1		MT-90 OC			2	
2		MT-90 OC			2	
3		MT-B-GL-O4			2	A
4		MT-C-GLP T	00		8	
5		MT-TFB OC		4 0/4# 0000	112	-
6 7		ANCHOR KE MT-EC-90	3-1Z 5/8" X	4-3/4" SS30	04 8 2	
/	2273099	MIT-EC-90			2	<u> </u>
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) - (	C - 002					
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, - (	C - 002		PROJECT	JOB	SHEET	-
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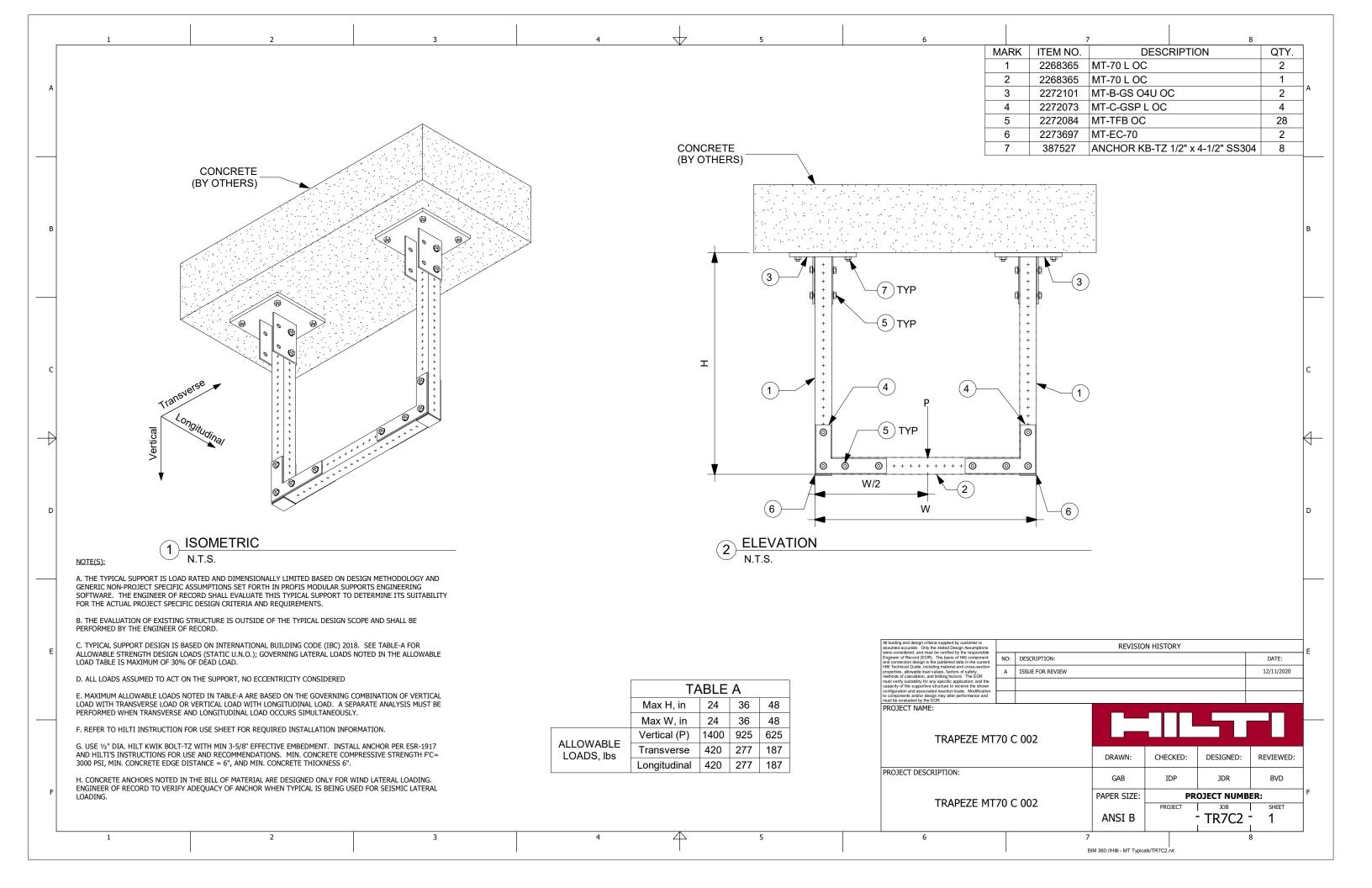


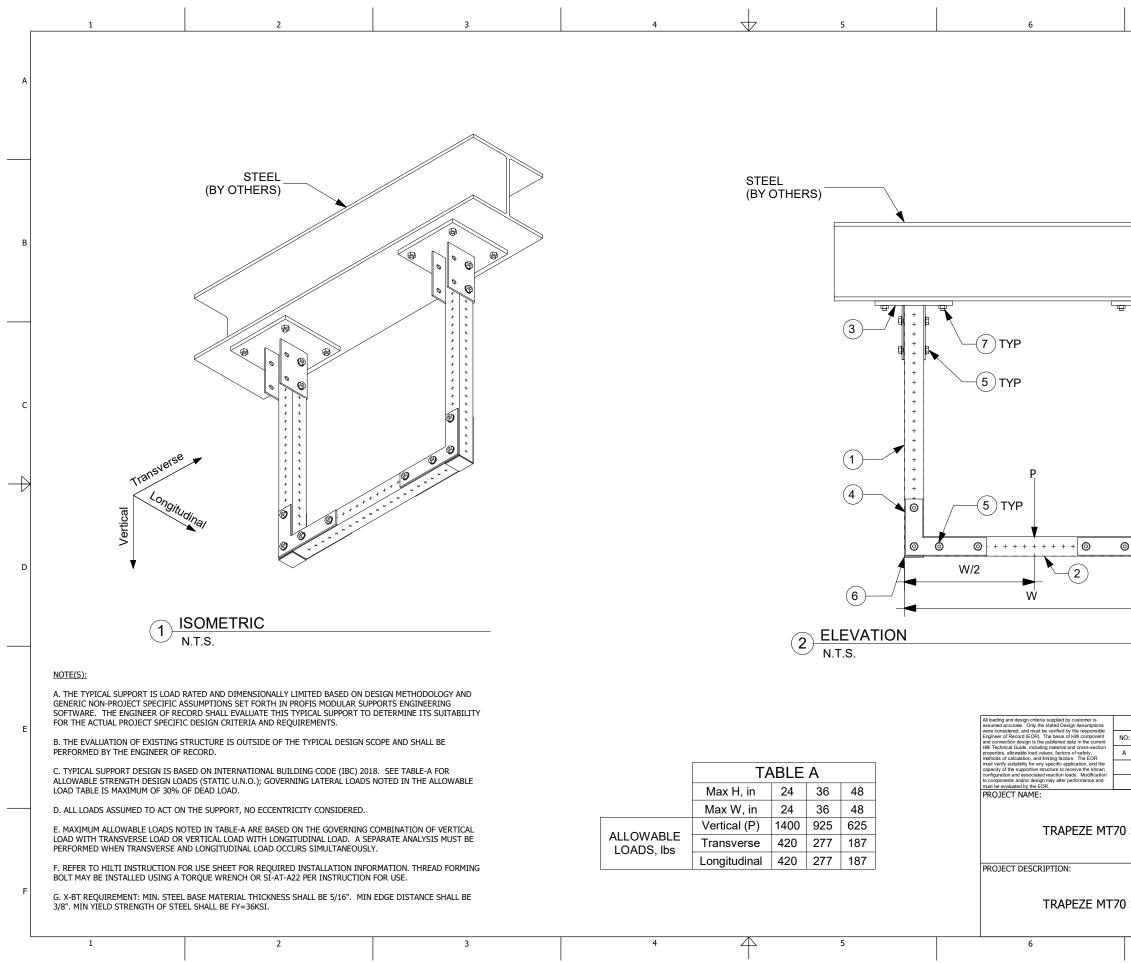
	7		8		
MARK	ITEM NO.	DES	SCRIPTION	QTY.	
1	2268369	MT-90 OC		2	
2	2268369	MT-90 OC	2	1	
3	VARIES	MT-B-GXL S	2	A	
4	2272075	MT-C-GLP T	MT-C-GLP T OC		
5	2272084	MT-TFB OC	100	]	
6	387398	MI-SGC M16	8	]	
7	2273699	MT-EC-90		2	]

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			



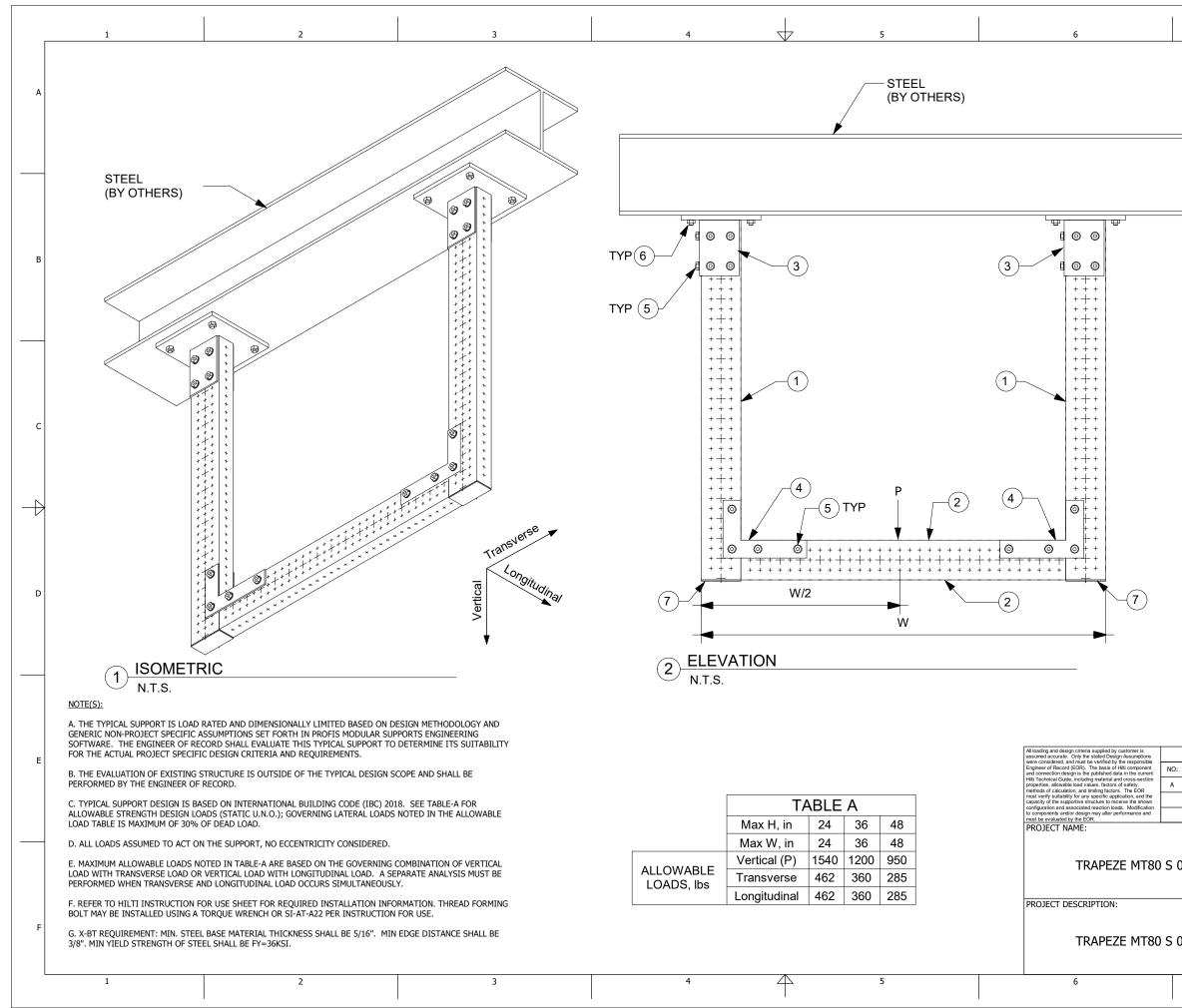
A ISSUE FOR REVIEW 09/21/2020								
REK         ITEM NO.         DESCRIPTION         QTY.           1         2268365         MT-70 L OC         2           2         2268365         MT-70 L OC         2           3         2272101         MT-B-GS OAU OC         2           4         2272066         MT-C-GS OC         6           5         2272084         MT-TFB OC         37           6         38757         ANCHOR KB-TZ 1/2" x 4-1/2" SS304         8           7         2273697         MT-EC-70         2		_				-		
1       2268365       MT-70 L OC       2         2       2288365       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       367527       ANCHOR KB-TZ 1/2" x 4-1/2" SS304       8         7       2273697       MT-EC-70       2         REVISION HISTORY         C       C         REVISION HISTORY         0       Description:       0/0/2/020         0       C       0/0/2/020       0/0/2/020         0       C       0/0/2/020       0/0/2/020         0       DRAWN:       CHECKED:       DESIGNED:       REVIEWD:         0       DRAWN:       CHECKED:       DESIGNED:       REVIEWED:         0       C       0/0/2/020       0/0/2/020       0/0/2/020         0       C       0/0/2/020       0/0/2/020       0/0/2/020         0       DRAWN:       CHECKED:       DESIGNED:       REV/EWED:         0       DRAWN:       CHECKED:       DESIGNED:       REV/EWED:         0       C <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1 I</td>							1 I	
2         2268365         MT-70 L OC         3           3         22772101         MT-B-GS OAU OC         2           4         2272084         MT-TFB OC         37           6         387527         ANCHOR KB-TZ 1/2" x 4-1/2" SS304         8           7         2273697         MT-EC-70         2           8         7         2273697         MT-EC-70         2           9         7         273697         MT-EC-70         2           9         7         2         7         7           9         7         7         7         7           9         7         2         7         7           9         7         7         7         7           9         7         7         7         7           9         7         7         7         7           10 </td <td></td> <td></td> <td></td> <td></td> <td><b>NIC</b></td> <td></td> <td>-</td>					<b>NIC</b>		-	
3       2272101       MT-B-GS O4U OC       2         4       2272066       MT-C-GS OC       6         5       2272084       MT-TFB OC       37         6       367527       ANCHOR KB-TZ 1/2" x 4-1/2" SS304       8         7       2273697       MT-EC-70       2         REVISION HISTORY         0       6500 REVIEW       092,0200         0       6600 REVIEW       992,0200         0       C       002,000         REVISION HISTORY         0       0         Contraction Review         REVISION HISTORY         Contraction Review         MT-C-20         Contraction Review         Contraction Review         Contraction Review         Contraction Review         Contraction Review         ANSI B         ANSI B <td cols<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></td>	<td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>							-
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         B         REVISION HISTORY         C       D         C         REVISION HISTORY         C       D         OTHERS)         D         D         REVISION HISTORY         D         OFECRIPTION:         ANSI B         D         D         O         O C 003         DRAWN:         OR ECC INUMBER:         OR OFECT I         D         D         D         O         O         O         O         O         O         O         O								
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         PROFECTION HISTORY         IC       DESCRIPTION:       EVISION HISTORY         IC       DESCRIPTION:       EVISION HISTORY         IC       DESCRIPTION:       IMTE         A       ISSUE FOR REVIEW       097/1/2020         IS       DESCRIPTION:       IMTE         A       ISSUE FOR REVIEW       12/14/2020         IS       DESCRIPTION:       IMTE         A       ISSUE FOR REVIEW       12/14/2020         IS       DESCRIPTION:       IMTE         A       ISSUE FOR REVIEW       12/14/2020         IS       IS       IDP       JDR         IS       IDP       JDR       BVD         PAPER SIZE:       PROJECT INUMBER:       ISHEET         ANSI B       IDP       JDR       SHEET         ANSI B       IDP       IDP       I	3						-	
6         387527         ANCHOR KB-TZ 1/2" x 4-1/2" SS304         8           7         2273697         MT-EC-70         2           8	4							
7       2273697       MT-EC-70       2         B					4 4/01 0000		-	
NCRETE (OTHERS)         REVISION HISTORY         D           Image: State Port Review         Image: State Port Review <td></td> <td></td> <td></td> <td>B-1Z 1/2" X</td> <td>4-1/2" \$\$30</td> <td></td> <td>-</td>				B-1Z 1/2" X	4-1/2" \$\$30		-	
A ISSUE FOR REVIEW 70 C 003 PAPER SIZE: PROJECT NUMBER: PROJECT NUMBER: PRO	1	22/369/	MI-EC-70			2	<b> </b>	
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REVISION HISTORY         NO:       DESCRIPTION:       DATE:         A       ISSUE FOR REVIEW       09/21/2020         B       ISSUE FOR REVIEW       12/14/2020         70       C 003       DRAWN:       CHECKED:       DESIGNED:       REVIEWED:         GAB       IDP       JDR       BVD       F         70       C 003       PAPER SIZE:       PROJECT NUMBER:       F							c	
NO:     DESCRIPTION:     DATE:       A     ISSUE FOR REVIEW     09/21/2020       B     ISSUE FOR REVIEW     12/14/2020       70     C 003     DRAWN:     CHECKED:     DESIGNED:     REVIEWED:       GAB     IDP     JDR     BVD       PAPER SIZE:     PROJECT NUMBER:     JOB     SHEET       ANSI B     -     GP7C3 -     1							D	
B       ISSUE FOR REVIEW       12/14/2020         70       C 003       DRAWN:       CHECKED:       DESIGNED:       REVIEWED:         GAB       IDP       JDR       BVD       PAPER SIZE:       PROJECT NUMBER:       F         70       C 003       PAPER SIZE:       PROJECT NUMBER:       F			REVISIO	N HISTORY			E	
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DRAWN:     CHECKED:     DESIGNED:     REVIEWED:       GAB     IDP     JDR     BVD       PAPER SIZE:     PROJECT NUMBER:     F       ANSI B     - GP7C3 - 1     1	B I	SSUE FOR REVIEW				12/14/2020	-	
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70 C 003 GAB IDP JDR BVD F PAPER SIZE: PROJECT NUMBER: F GP7C3 - 1 F	70 C	003	DRAWN:	CHECKED:	DESIGNED:	REVIEWED:		
70 C 003 PAPER SIZE: PROJECT NUMBER: ANSI B - GP7C3 - 1							1	
70 C 003 ANSI B - GP7C3 - 1			GAB	IDP	JDR	BVD		
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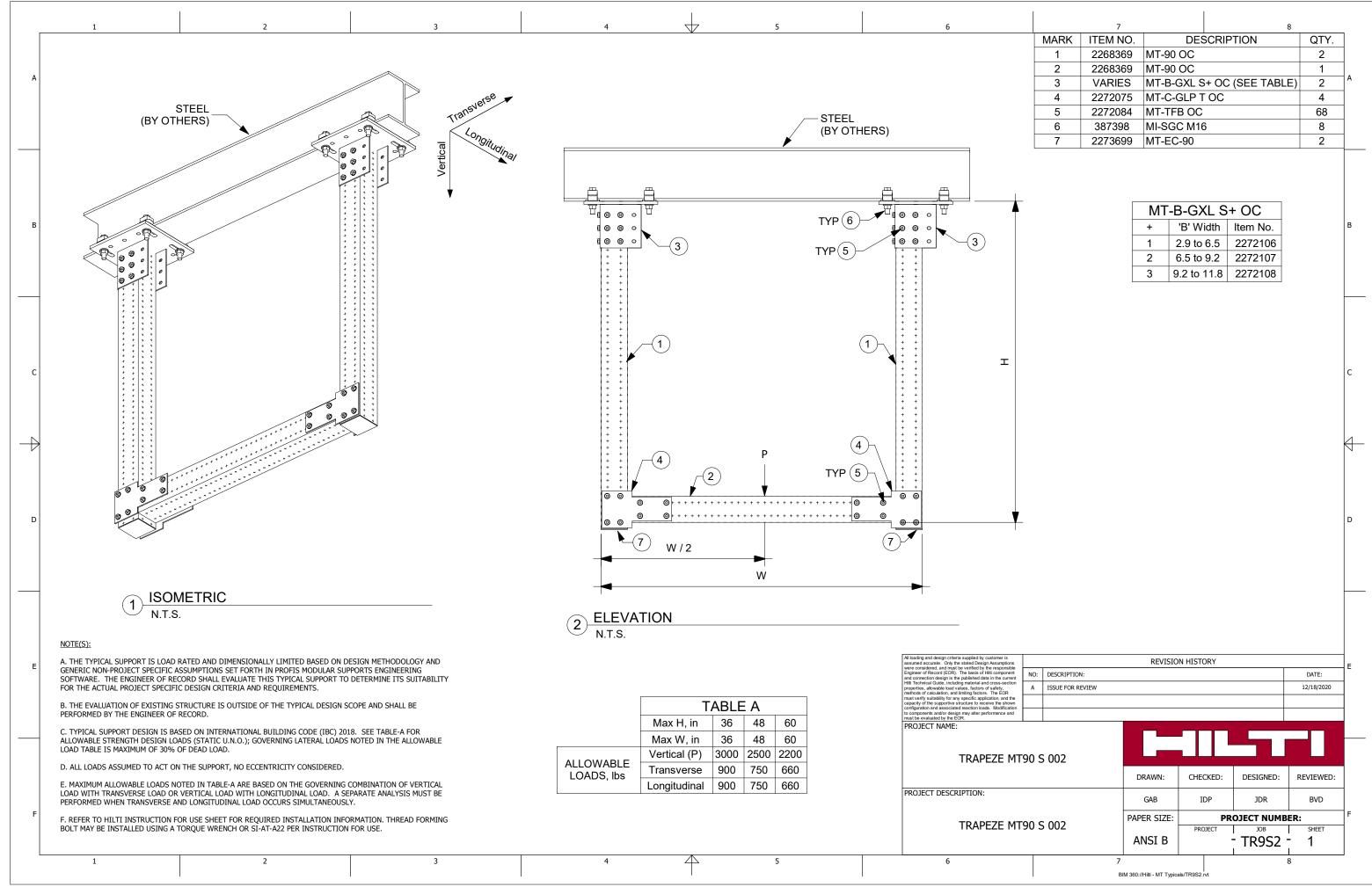


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	7 MARK	ITEM NO.	DESC	RIPTION	B QTY.	1
	1	2268365	MT-70 L O		2	
	2	2268365	MT-70 L O		1	-
	3	2272101	MT-B-GS C		2	A
	4	2272073	MT-C-GSP	LOC	4	
	5	2272084	MT-TFB O	C	28	
	6	2273697	MT-EC-70		2	
	7	2194341	X-BT-MR V	V10/15 SN 8	8 8	
+ +			N HISTORY			в С
: DESCRIF	TION:				DATE:	E
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S 002						
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		GAB	IDP	JDR	BVD	
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S 002			PROJECT	JOB	SHEET	1
		ANSI B	-	TR7S2 ·	- 1	
	7 E	SIM 360://Hilti - MT Typica	als/TR7S2.rvt		8	

	1 2 3	4 5 6 7 8
	1 2 3	4         5         6         7         8           MARK         ITEM NO.         DESCRIPTION         QTY.           1         2268367         MT-80 L OC         2
A	CONCRETE	2 2268367 MT-80 L OC 1
	(BY OTHERS)	(BY OTHERS) 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
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С		$ \begin{array}{c} \begin{array}{c} +++\\ +++\\ +++\\ +++\\ +++\\ +++\\ +++\\ ++$
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D		2 ELEVATION
	N.T.S.	└── 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.	
E	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.	Al loading and design criteria supplied by customer is assumed accurate. Only the stated Design Assumptions were considered, and must be verified by the responsible Engineer of Record (EOR). The basis of Hill component and complexity in the current and complexity of the current and complexity of the current and complexity.       REVISION HISTORY         NO:       DESCRIPTION:       DATE:
	D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED	Hill Technical Guide, including including including interfail and cross-section properties, allowable loads alsoft, methods of calculation, and limiting factors. The EOR must verify studiability for any specific application, and the capacity of the supportive structure to receive the shown on onfigurated reaction back. Modification       A       ISSUE FOR REVIEW       12/14/2020
	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.	Max H, in 24 36 48
	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	Max W, in         24         36         48           Vertical (P)         2300         1600         950           Trapeze MT80 C 001         Trapeze MT80 C 001
	AND HILTY'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE COMPRESSIVE STRENGTH F'C= 3000 PSI, MIN. CONCRETE EDGE DISTANCE = 6", AND MIN. CONCRETE THICKNESS 6".	LOADS, lbs     Transverse     690     480     285       Longitudinal     690     480     285
F	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.	GAB IDP JDR BVD
		TRAPEZE MT80 C 001     TROJECT     JOB     SHEET       ANSI B     -     TR8C1 -     1
	1 2 3	4 5 6 7 8 BIM 360://Hili - MT Typicals/TR8C1.rvt
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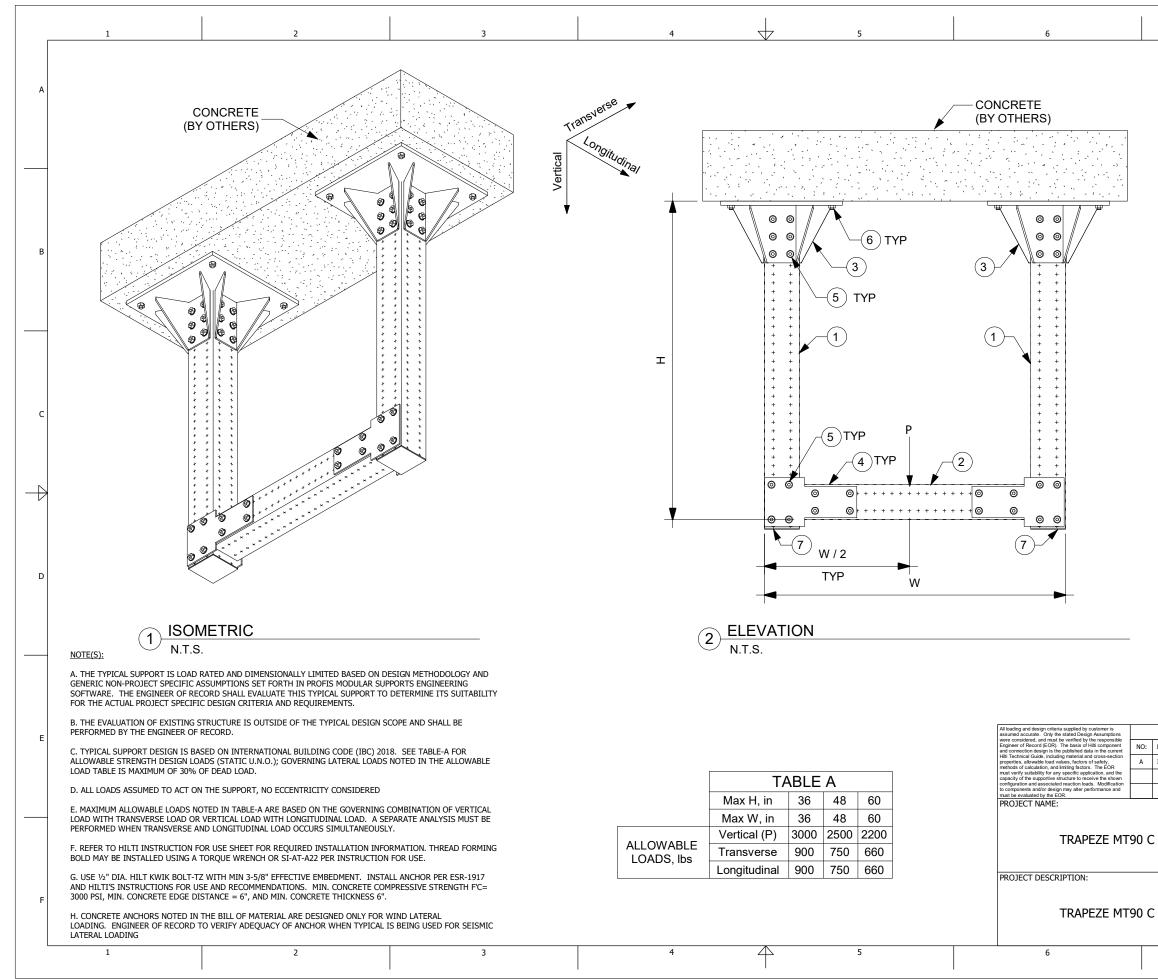


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MARK         ITEM NO.         DESCRIPTION         QTY.           1         2268367         MT-80 L OC         2           2         2268367         MT-80 C OC         1           3         2272101         MT-80 G OU OC         2           4         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           8         7         2273698         MT-EC-80         2           9         REVISION HISTORY         0         0         0           01         DRAWN:         CHECKED:         DESIGNED:         REVIEWED:           01	-				0	
1         2268367         MT-80 L OC         2           2         2268367         MT-80 L OC         1           3         2272101         MT-80 SQUID CC         2           4         2272073         MT-C-GSP L OC         4           5         2272084         MT-FB OC         36           6         2194341         X-BT-MR W10/15 SN 8         8           7         2273698         MT-EC-80         2			DESC			]
REVISION HISTORY         DATE:           01         DRAWN:         CHECKED:         DESIGNED:         REVIEW         12/14/2020           01         DRAWN:         CHECKED:         DESIGNED:         REVIEW         12/14/2020           01         DRAWN:         CHECKED:         DESIGNED:         REVIEW         54/11           01         DRAWN:         CHECKED:         DESIGNED:         REVIEW         5/11           01         RAVE:         PRODECT         TUBBER:         Setter         1           01         RAVE:         REVIEW         1         1         1						1
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A         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           8         7         2273698         MT-EC-80         2           8         7         2273698         MT-EC-80         2           9         6         2194341         X-BT-MR W10/15 SN 8         8           7         2273698         MT-EC-80         2         8           8         7         2273698         MT-EC-80         2           9         0         0         0         0         0           9         0         0         0         0         0           9         0         0         0         0         0           9         0         0         0         0         0         0           9         0         0         0         0         0         0         0           9         0         0         0         0         0         0         0           9         0						А
5         2272084         MT-TFB OC         36           6         2194341         X-BT-MR W10/15 SN 8         8           7         2273698         MT-EC-80         2						1
6       2194341       X-BT-MR W10/15 SN 8       8         7       2273698       MT-EC-80       2         B         C         C         C         C         D         D         D         C         C         D						-
7       2273698       MT-EC-80       2         B						-
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REVISION HISTORY           DESCRIPTION:         DATE:           ISSUE FOR REVIEW         12/14/2020           D1         DRAWN:         CHECKED:         DESIGNED:         REVIEWED:           D1         DRAWN:         CHECKED:         DESIGNED:         REVIEWED:           D1         MDH         IDP         JDR         BVD           D1         PAPER SIZE:         PROJECT NUMBER:         SHEET         108         SHEET           D1         ANSI B         -         TR8S1 -         1         SHEET         108         SHEET         108         SHEET         7         NS1         SHEET         108         SHEET         108         SHEET         108         SHEET         108         SHEET         108         SHEET         11         108         SHEET         108         SHEET         108         SHEET         11         108         SHEET         11         108         SHEET         11 <td< th=""><th></th><th></th><th></th><th></th><th></th><th>в</th></td<>						в
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DESCRIPTION:     DATE:       ISSUE FOR REVIEW     12/14/2020       11     DRAWN:       DRAWN:     CHECKED:       DESIGNED:     REVIEWED:       MDH     IDP       JDR     BVD       PAPER SIZE:     PROJECT NUMBER:       PROJECT     JOB       ANSI B     - TR8S1 - 1       7     8						D
ISSUE FOR REVIEW     12/14/2020       01     DRAWN:     CHECKED:       DRAWN:     CHECKED:     DESIGNED:       MDH     IDP     JDR       PAPER SIZE:     PROJECT NUMBER:       PROJECT     JOB       ANSI B     -       7     8		REVISIO	N HISTORY			
01 DRAWN: CHECKED: DESIGNED: REVIEWED: MDH IDP JDR BVD PAPER SIZE: PROJECT NUMBER: ANSI B - TR8S1 - 1 7 8						-
DRAWN: CHECKED: DESIGNED: REVIEWED: MDH IDP JDR BVD PAPER SIZE: PROJECT NUMBER: PROJECT JOB SHEET ANSI B - TR8S1 - 1 7 8	ISSUE FOR REVIEW				12/14/2020	-
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D1 MDH IDP JDR BVD PAPER SIZE: PROJECT NUMBER: PROJECT JOB T TR8S1 - 1 PROJECT 8	)1					
D1 PAPER SIZE: PROJECT NUMBER: PROJECT JOB SHEET ANSI B - TR8S1 - 1 7 8		DRAWN:	CHECKED:	DESIGNED:	REVIEWED:	
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ANSI B - TR8S1 - 1	11	PAPER SIZE:				
	,1	ANSI B	PROJECT		•	
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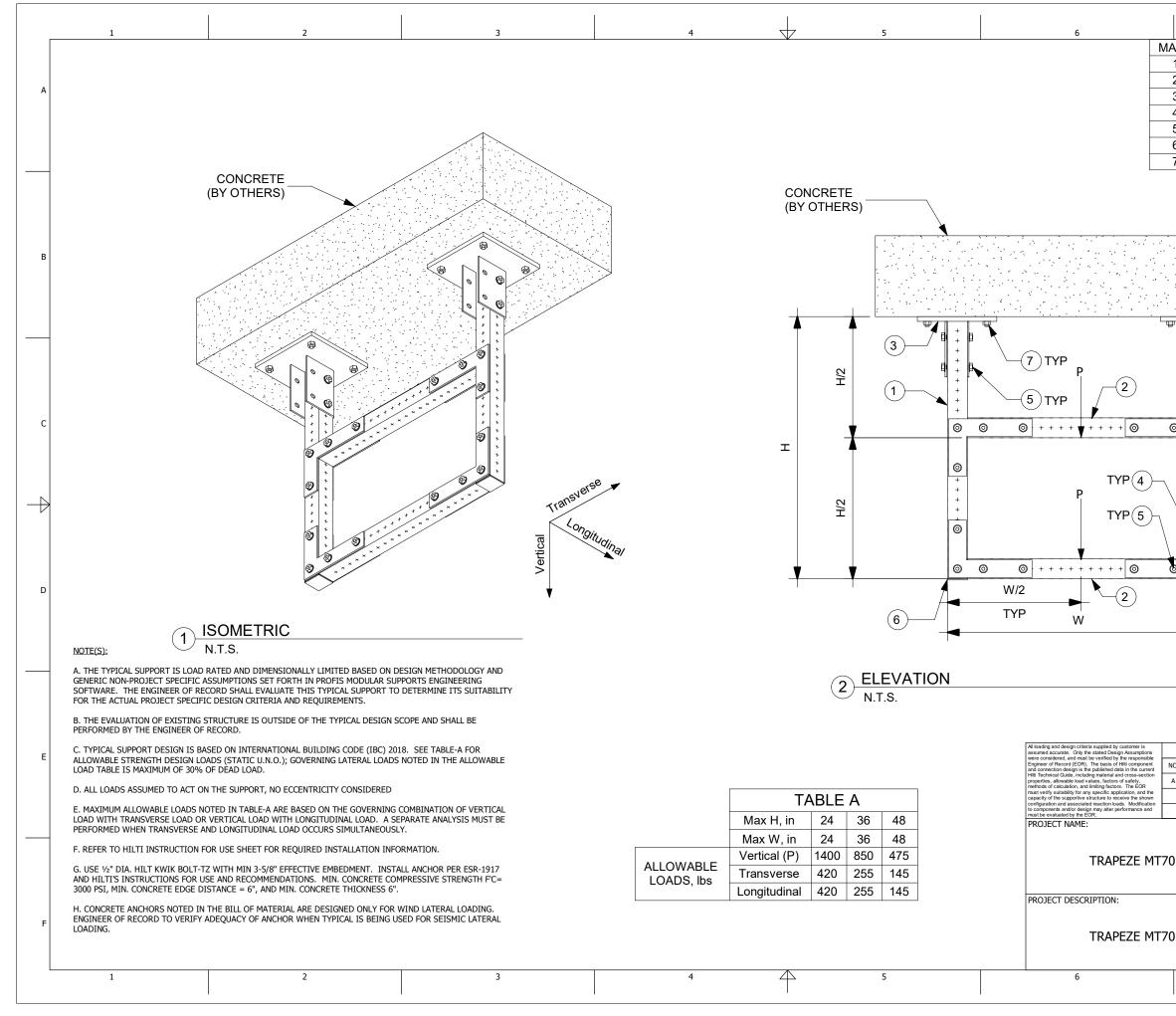


	7		8		
MARK	ITEM NO.	DES	SCRIPTION	QTY.	
1	2268369	MT-90 OC	MT-90 OC		
2	2268369	MT-90 OC	MT-90 OC		
3	VARIES	MT-B-GXL S	S+ OC (SEE TABLE)	2	A
4	2272075	MT-C-GLP T	- OC	4	
5	2272084	MT-TFB OC		68	
6	387398	MI-SGC M16	8		
7	2273699	MT-EC-90	2		

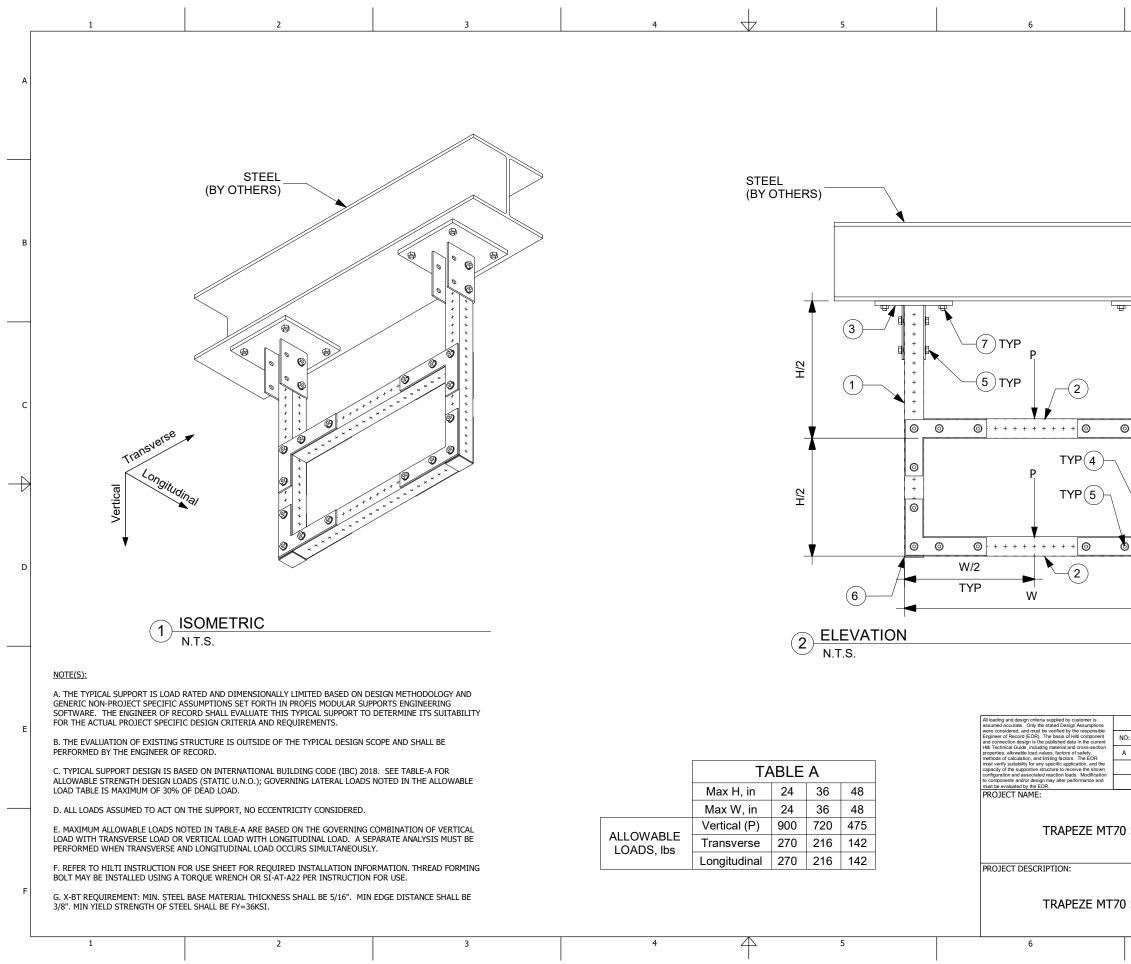
MT-B-GXL S+ OC								
+ 'B' Width Item No								
1	2.9 to 6.5	2272106						
2	6.5 to 9.2	2272107						
3	9.2 to 11.8	2272108						



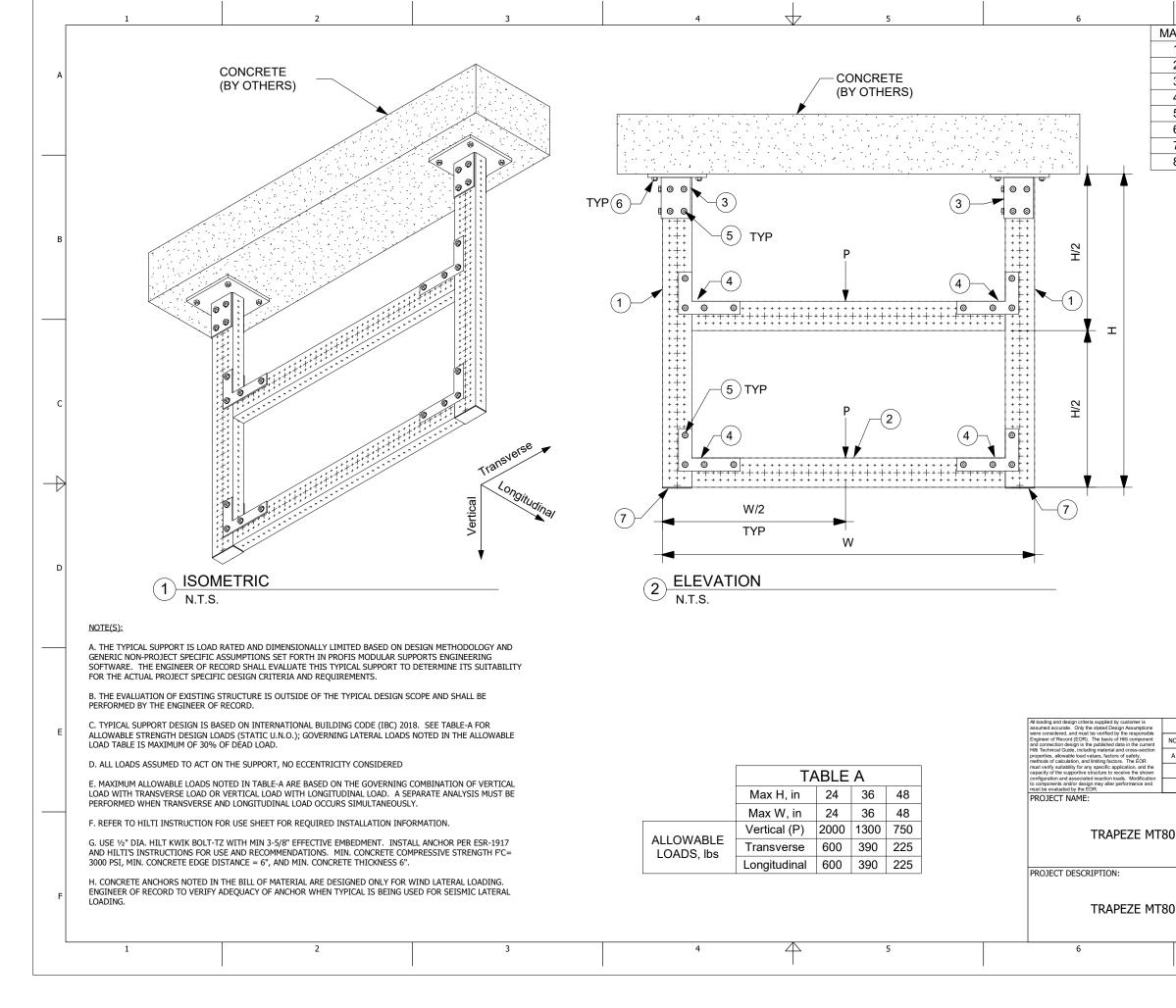
7 MARK	ITEM NO.			RIPTION	8	QTY.	1
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2	2268369		000C			 1	
3	2272103		3-GL-C	04 OC		2	A
4	2272105		C-GLP			4	
5	2272084		FB O			80	
					x		
6	387530	4-3/4	" SS3(			8	
7	2273699	MT-E	EC-90			2	
							В
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	REVISIO	N HISTO	DRY				E
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002					-		
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	GAB	I	DP	JDR		BVD	
	PAPER SIZE:		PR	DJECT NUMI	BER		F
: 002	ANSI B	PRC	DJECT -	TR9C2	- 	SHEET 1	
7 В	IM 360://Hilti - MT Typica	als/TR9C2.	rvt		8		



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ARK	ITEM NO.		DESCRIPTIO	JN	QTY.	_
1		MT-70 L OC			2	_
2		MT-70 L OC			2	A
3		MT-B-GS O			2	_
4		MT-C-GSP			8	_
5		MT-TFB OC			44	_
6		MT-EC-70			2	_
7	387527	ANCHOR K	B-TZ 1/2" x	4-1/2" SS3	04 8	
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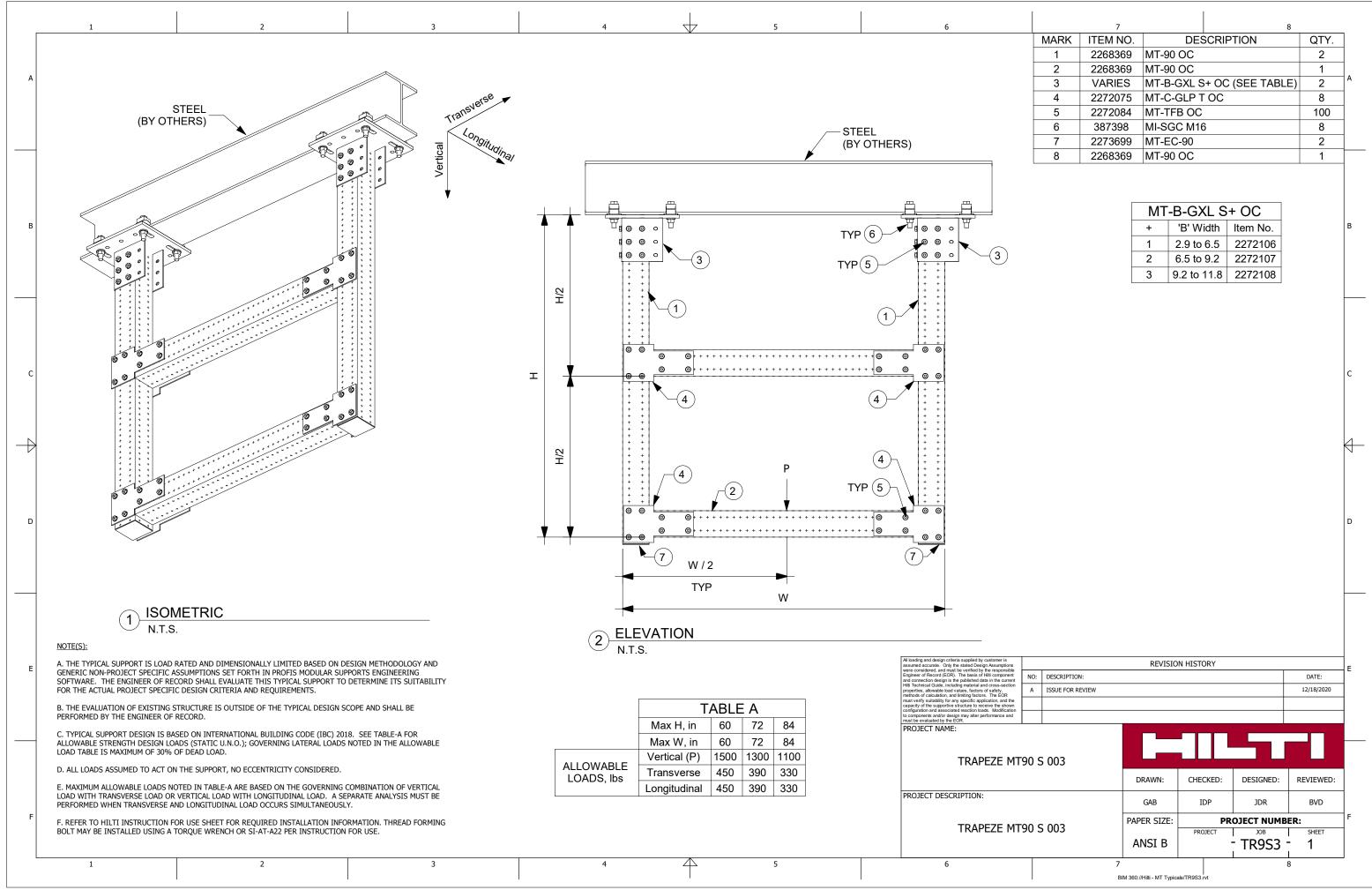


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	MARK	ITEM NO.		RIPTION	QTY.	
	1	2268365	MT-70 L O		2	
	2	2268365	MT-70 L O		2	А
	3	2272101	MT-B-GS C		2	l'
	4	2272073	MT-C-GSP		8	
	5	2272084	MT-TFB O	2	44	
	6	2273697	MT-EC-70		2	
	7	2194341	X-BT-MR V	V10/15 SN 8	8	
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	E	BIM 360://Hilti - MT Typic	l als/TR7S3.rvt			



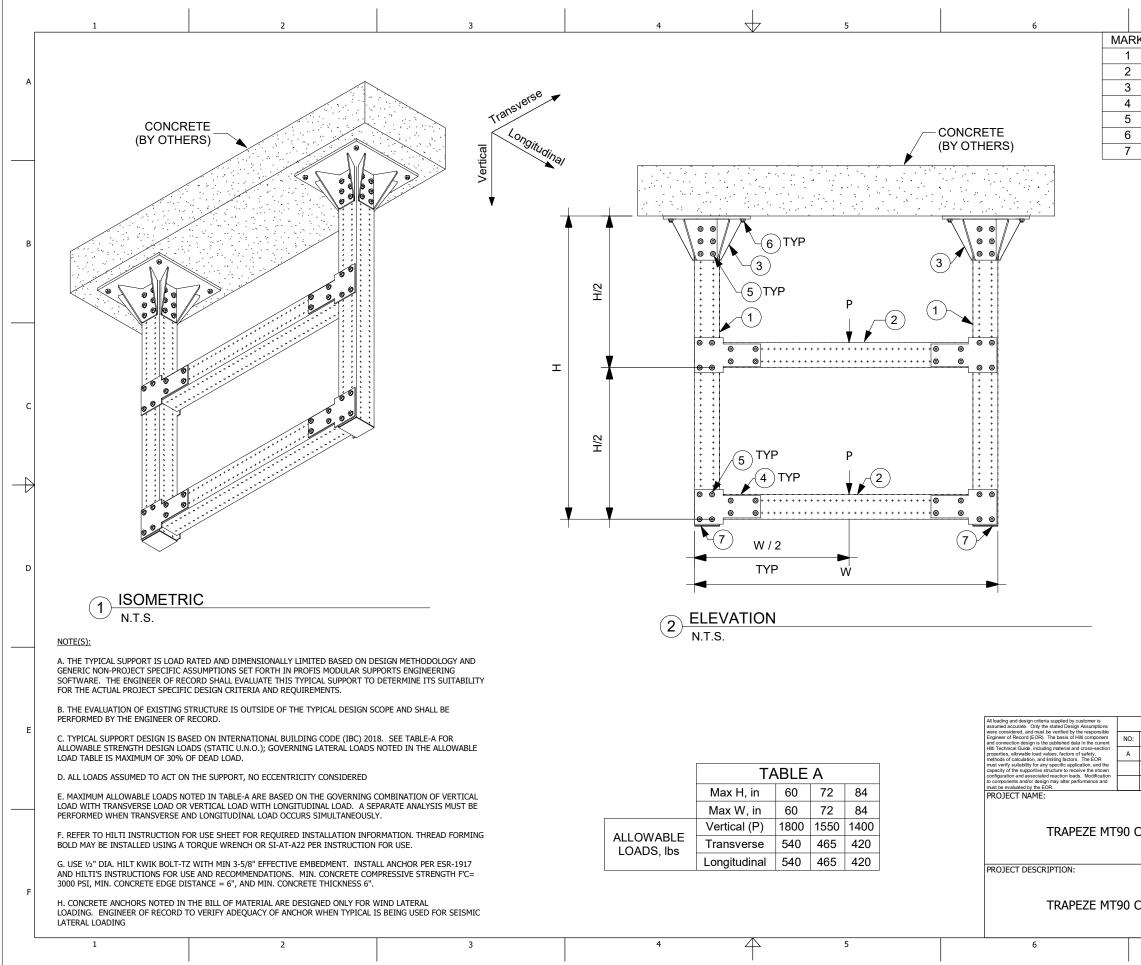
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	1	2268367	MT-80 L OC			2	1
	2	2268367	MT-80 L OC			1	1
	3		MT-B-GS O4			2	A
	4	2272073	MT-C-GSP L			8	-
	5	2272084	MT-TFB OC			52	1
	6		ANCHOR K		4-1/2" SS30		1
	7		MT-EC-80			2	-
	8		MT-80 S OC	}		1	
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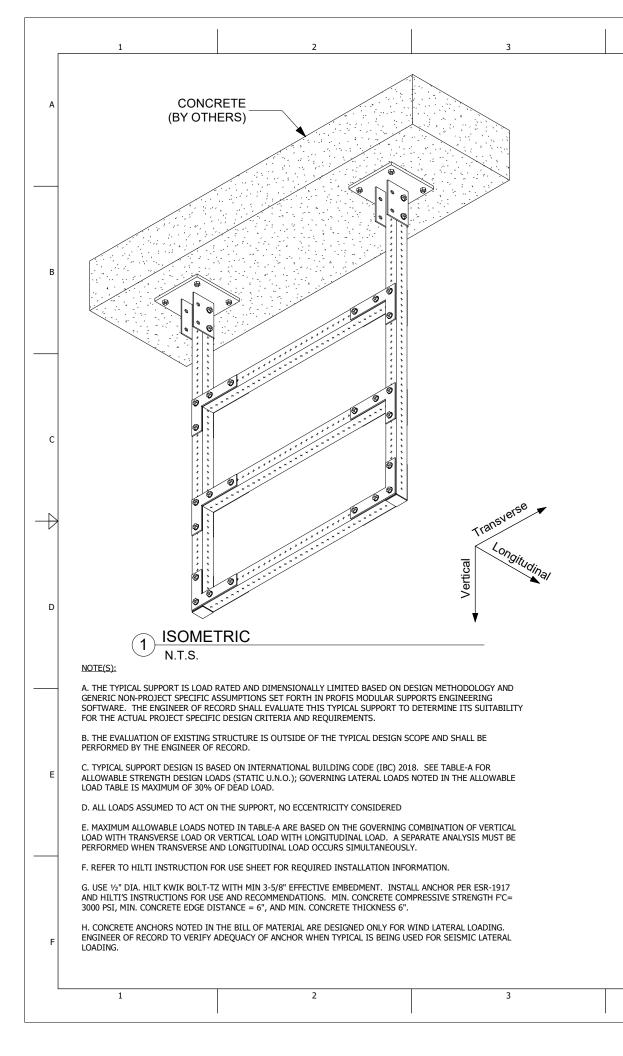


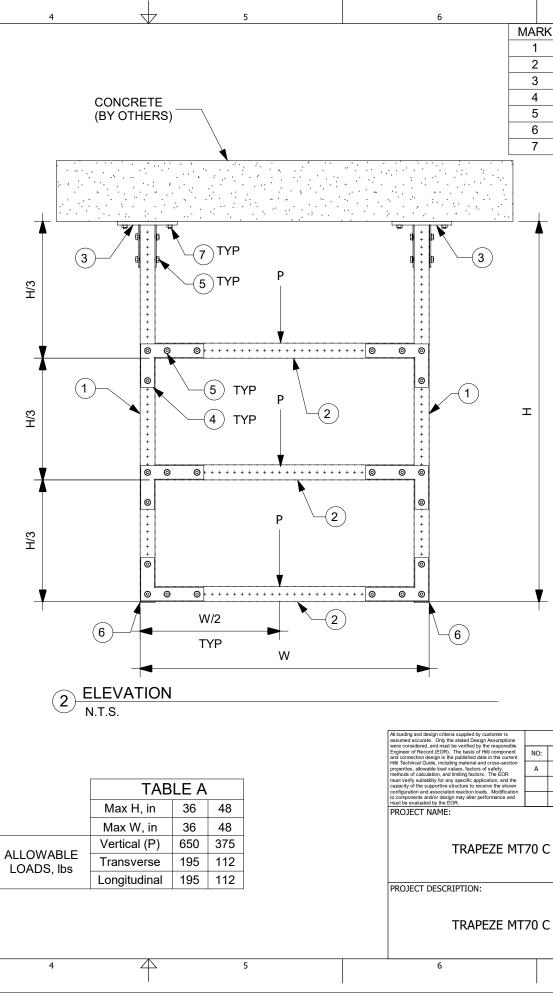
	7	8		
MARK	ITEM NO.	DESCRIPTION	QTY.	1
1	2268369	MT-90 OC	2	
2	2268369	MT-90 OC	1	
3	VARIES	MT-B-GXL S+ OC (SEE TABLE)	2	A
4	2272075	MT-C-GLP T OC	8	
5	2272084	MT-TFB OC	100	
6	387398	MI-SGC M16	8	
7	2273699	MT-EC-90	2	1
8	2268369	MT-90 OC	1	

MT-B-GXL S+ OC								
+ 'B' Width Item No.								
1	2.9 to 6.5	2272106						
2 6.5 to 9.2 22721								
3	9.2 to 11.8	2272108						



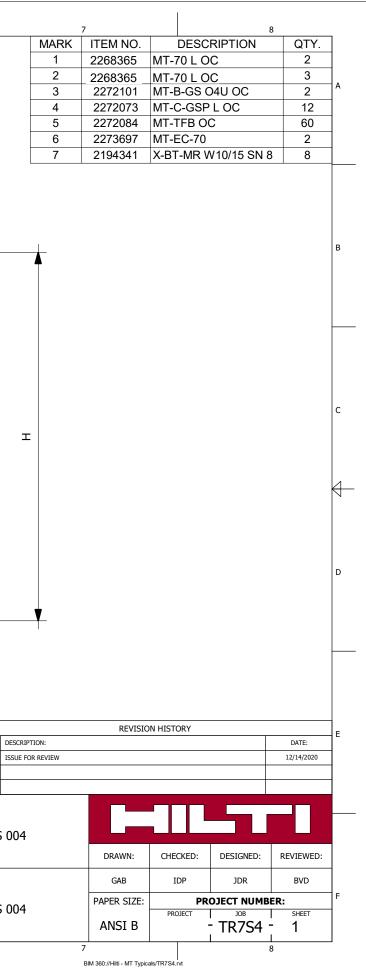
ARK ITEM NO. DE	CRIPTION QT	
1 2268369 MT-90 OC	2	
2 2268369 MT-90 OC	2	
3 2272103 MT-B-GL-O4 C	C 2	A
4 2272075 MT-C-GLP T C		
5 2272084 MT-TFB OC	112	2
	Z 5/8" X 4-3/4" SS304 8	
7 2273699 MT-EC-90	2	
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0 C 003	HECKED: DESIGNED: REVIEWE	D:
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7 BIM 360://Hiti - MT Typicals/TI	C3.rvt	1

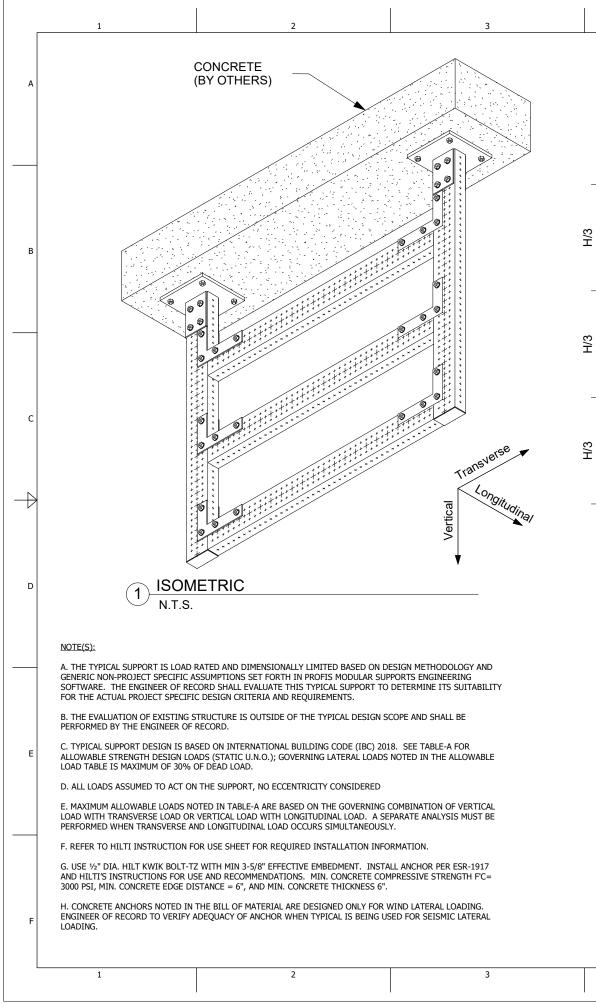




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	-				2	
K	TTEM NO.				B QTY.	1
<u> </u>		MT-70 L OC			2	-
		MT-70 L OC MT-70 L OC			3	-
		MT-70 L OC MT-B-GS O4			2	A
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	1 ISOMETRIC N.T.S.			6 TYP	W	
E	<ul> <li>A. THE TYPICAL SUPPORT IS LOAD RATED AND DIMENSIONALLY LIMITED BASED ON DE GENERIC NON-PROJECT SPECIFIC ASSUMPTIONS SET FORTH IN PROFIS MODULAR SUPPORT TO I FOR THE ACTUAL PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.</li> <li>B. THE EVALUATION OF EXISTING STRUCTURE IS OUTSIDE OF THE TYPICAL DESIGN SC PERFORMED BY THE ENGINEER OF RECORD.</li> <li>C. TYPICAL SUPPORT DESIGN IS BASED ON INTERNATIONAL BUILDING CODE (IBC) 2013 ALLOWABLE STRENGTH DESIGN LOADS (STATIC U.N.O.); GOVERNING LATERAL LOADS I LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.</li> </ul>	PORTS ENGINEERING DETERMINE ITS SUITABILITY COPE AND SHALL BE 8. SEE TABLE-A FOR	(2) Ma	ELEVATION         N.T.S.         TABLE A         ax H, in       24       36       48	assumed accur vere considere Ergineer of Ner Hitl Technical properties, allo methods of cal ratt verify auto conflutariation	design criteria supplied by customer is     and mat be verified by the responsible     d, and mat be verified by the responsible     diard mat be verified by the responsible     design is the published data in the current     NO: DES     design is the published data in the current     NO; DES     design is the published data in the current     A ISS     alation, and inriting factors. The ECR     A ISS     addot, and inriting factors. Modification     and/or design may alter performance and     des y the ECR.     NAME:
F	<ul> <li>D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.</li> <li>E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON THE GOVERNING CLOAD WITH TRANSVERSE LOAD OR VERTICAL LOAD WITH LONGITUDINAL LOAD. A SEP PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUSLY</li> <li>F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFOR BOLT MAY BE INSTALLED USING A TORQUE WRENCH OR SI-AT-A22 PER INSTRUCTION G. X-BT REQUIREMENT: MIN. STEEL BASE MATERIAL THICKNESS SHALL BE 5/16". MIN 3/8". MIN YIELD STRENGTH OF STEEL SHALL BE FY=36KSI.</li> </ul>	PARATE ANALYSIS MUST BE (. RMATION. THREAD FORMING FOR USE.	ALLOWABLE LOADS, lbs	ix W, in 24 36 48 tical (P) 1250 650 375 nsverse 375 195 112 gitudinal 375 195 112		TRAPEZE MT70 S 0 DESCRIPTION: TRAPEZE MT70 S 0
	1 2	3	4	5		6





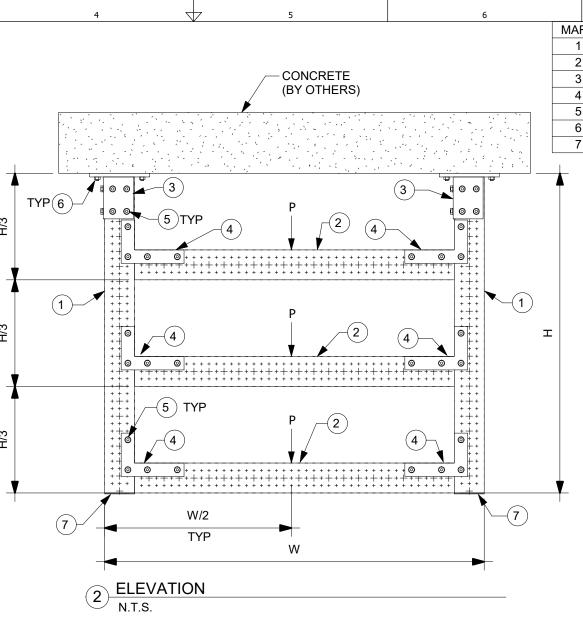
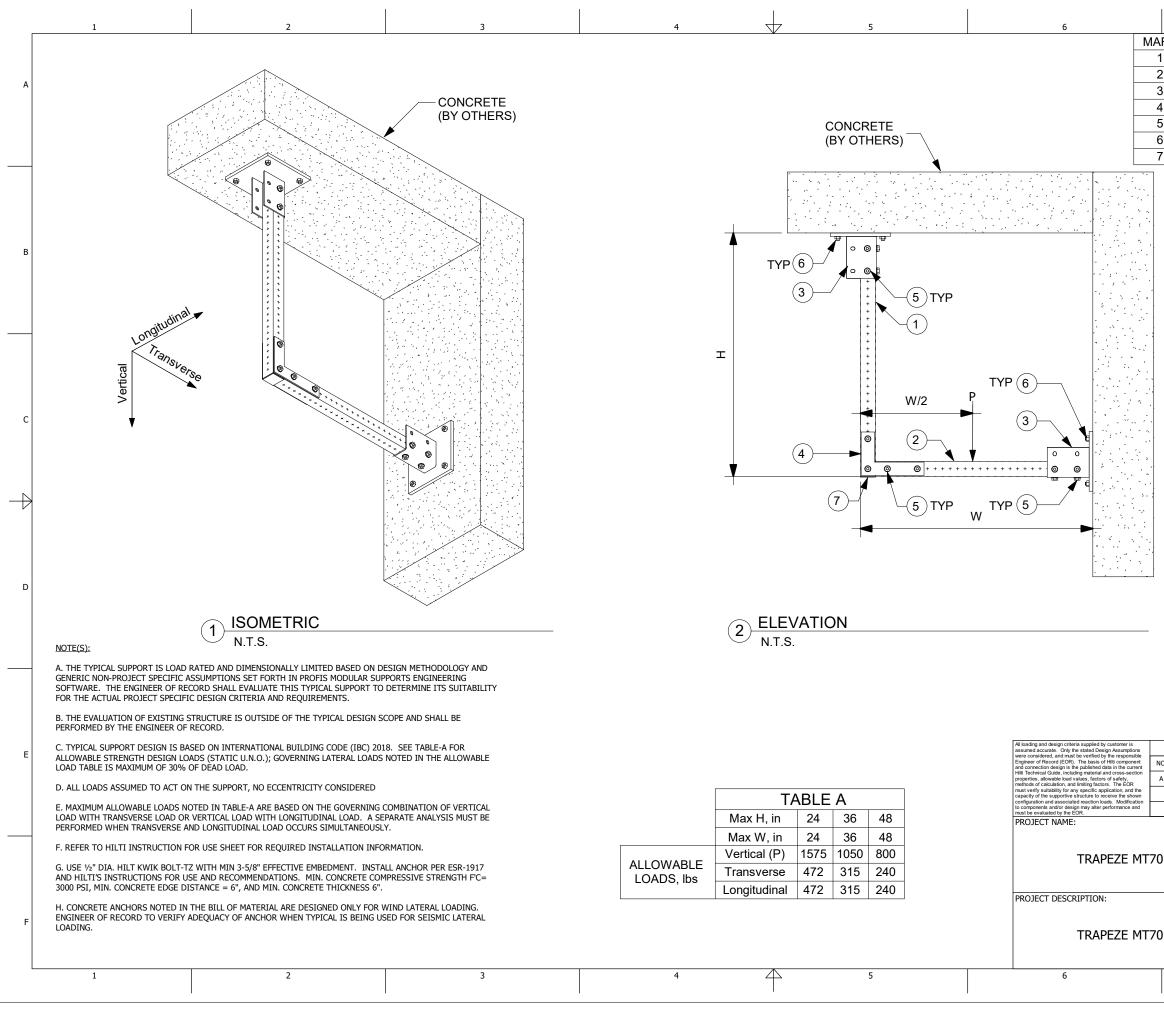


		TABLE A			
		Max H, in	36	48	
		Max W, in	36	48	
		Vertical (P)	1000	575	
ALLOWABLE LOADS, lbs	Transverse	300	173		
	Longitudinal	300	173		
		Max W, in Vertical (P) Transverse	36 1000 300	48 57 17	

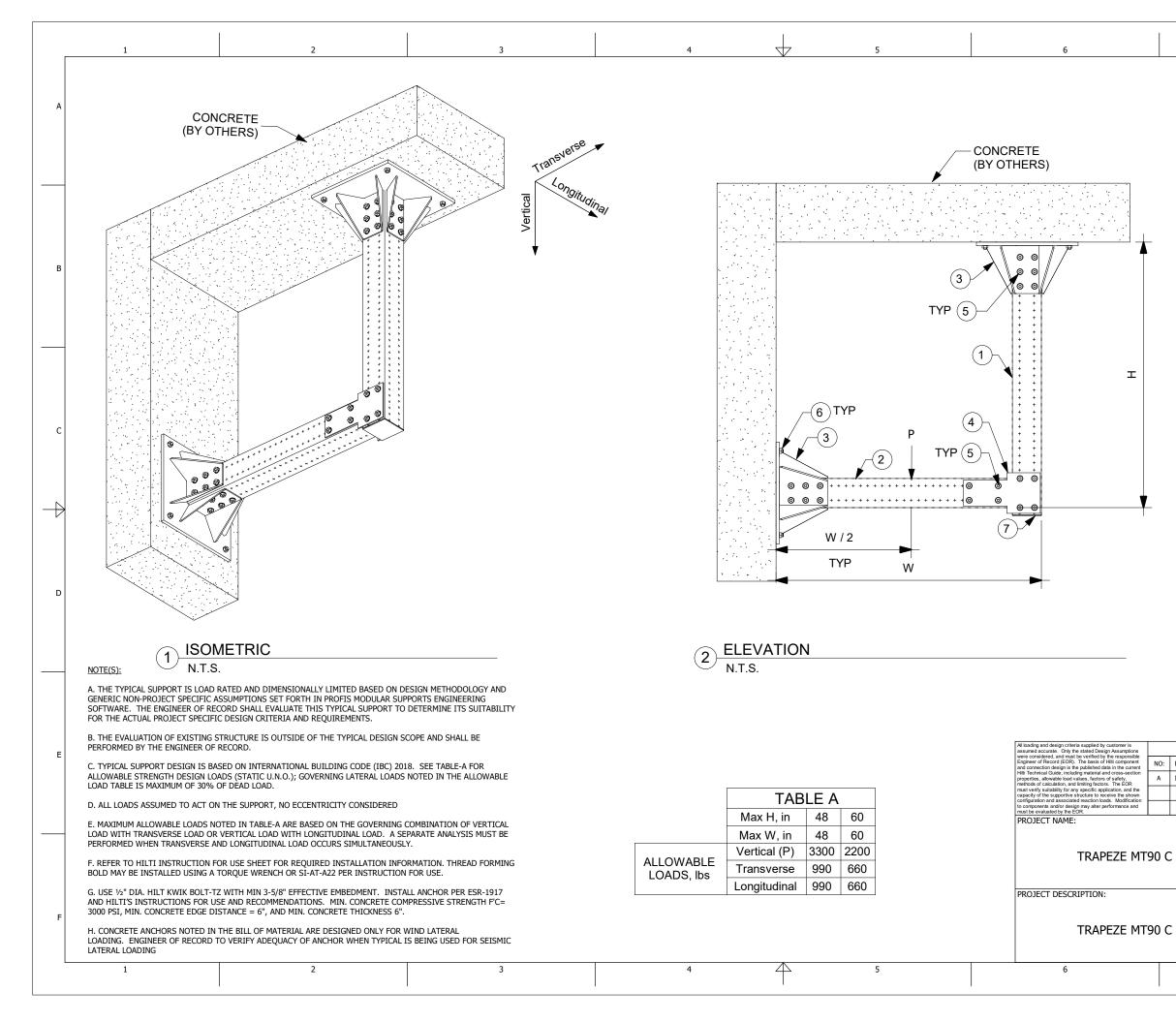
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r	MAR			ESCRIPTIC	N	QTY.	-
ŀ	1	2268367	MT-80 L OC			2	-
ŀ	2	2268367	MT-80 L OC MT-B-GS O4U	100		3	A
-	3	2272101	MT-B-GS 040			12	-
	4 5	2272073 2272084	MT-C-GSPL			68	-
	6	387527	ANCHOR KB-	T7 1/2" v /	-1/2" 5530/		-
	7	2273698	MT-EC-80	-12 1/2 14	-1/2 00004	2	-
		2273698	M1-EC-80				в
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ed accurate. Only the stated Design Assumpti onsidered, and must be verified by the response er of Record (EOR). The basis of Hiti compon nection design is the published data in the cur chrical Guide, including material and cross-sec ites, allowable load values, factors of safety, so of activation, and imiting factors. The EOR erify suitability for any specific application, and tv of the supportive structure to receive the sh	ions sible nent ction A d the lown		REVISION	HISTORY			- E
d accurate. Only the stated Design Assumption and Record (EOR). The basis of Hill comport and of Record (EOR). The basis of Hill comport thread (EOR) and the Comport of the Comport es, allowable load values, factors of safety, of claculation, and limiting factors. The EOR et claculation, and limiting factors. The EOR mithy satisfability for any specific application, and ration and saccidated matchin loads. Modific comports and/or design may alter performance a evaluated by the EOR.	ions sible nent ction A d the lown		REVISION	HISTORY			- E
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ed accurate. Only the stated Design Assumption onsidered, and matta be verified by the response err of Record (EOR). The basis of Hill compose behavior of the state of Hill compose trites, allowable bad values, factors of safety, do claculation, and imiting factors. The EOR errity satisability for any specific application, and do claculation, and imiting factors. The EOR errity satisability for any specific application, and social state in the structure to receive the sh uration and associated reaction lacks. Modific powersh and/or design may after performance a e-evaluated by the EOR. DJECT NAME: TRAPEZE	inns sible hent NO: ction A A dthe hown and A A A A A A A A A A A A A A A A A A A	ISSUE FOR REVIEW	DRAWN:	CHECKED:		12/14/2020 REVIEWED:	- E
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Iding and design criteria supplied by constorm in nod accurate. Only the althet Doyn Asserted rest of Record (EQR). The basis of Mill compon onnection design is the published data in the cur of accuration and initing factors. The EOR do of accuration and initing factors. The EOR do of accuration and initing factors. The EOR do of accuration and initing factors. The EOR does and the supportive structure to receive the sh purpton and associated reaction basis. Modific moments and/or design may alter performance are be valuated by the EOR. DJECT NAME: DJECT DESCRIPTION: DIECT DESCRIPTION: TRAPEZE	MT80	C 003	DRAWN:	CHECKED: IDP		12/14/2020 REVIEWED: BVD	

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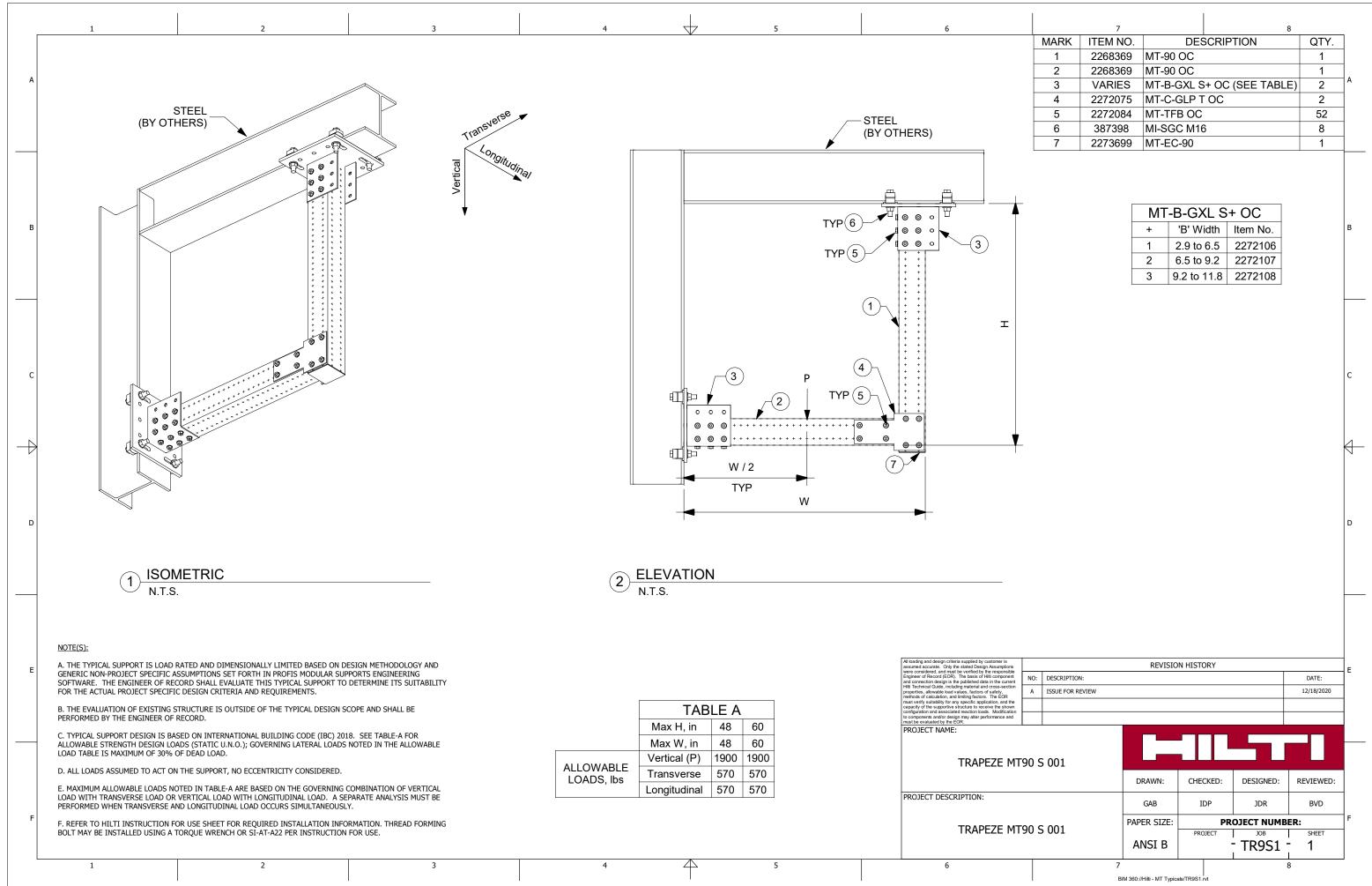


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		MT-70 L OC			1	-
		MT-70 L OC			1	A
		MT-B-GS O4			2	_
		MT-C-GSP L	.00		2	-
		MT-TFB OC			20	-
		ANCHOR KE	3-1Z 1/2" X 4	I-1/2" SS30		-
7 227	3697 I	MT-EC-70			1	
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0 C 001		GAB PAPER SIZE: ANSI B	IDP PROJECT	JDR DJECT NUMB JOB TR7C1	SHEET - 1	F
	7 В	IM 360://Hilti - MT Typica	als/TR7C1.rvt		8	

	1 2 3	4 5	6 7   7   MARK   ITEM NO.   D	BESCRIPTION QTY.
				0 L OC 1
А				0 L OC 1 -GS O4U OC 2
				-GSP L OC 2
		STEEL	5 2272084 MT-TF	
		(BY OTHERS)		MR W10/15 SN 8 8
		$\mathbf{A}$	7 2273697 MT-EC	C-70 1
в	(BY OTHERS)			В
с	Transverse Vongituding,			с
D	Vertical	$\begin{array}{c c} \hline 7 \\ \hline \\ \hline$		D
		2 ELEVATION		
	✓ N.T.S.	∪ 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.		All loading and design criteria supplied by customer is assumed accurate. Only the stated Design Assumptions REVISION HISTOF	RY
	B. THE EVALUATION OF EXISTING STRUCTURE IS OUTSIDE OF THE TYPICAL DESIGN SCOPE AND SHALL BE PERFORMED BY THE ENGINEER OF RECORD.		were considered, and must be verified by the responsible           Engineer of Record (EQR). The basis of Mill component and connection design is the published data in the current Hill Technical Quide, including material and cross-section methods of calculation, and intring factors. The EOR must verify subliship (and years) and the public of t	DATE: 12/14/2020
	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.	TABLE AMax H, in243648	capacity of the supportive structure to receive the shown configuration and associated reaction back. Modification to components and/or design may alter performance and must be evaluated by the ECA. PROFICET NAME-	
	D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.	Max W, in 24 36 48		
	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.	ALLOWABLE LOADS, lbsVertical (P)1300975760Transverse390292228	TRAPEZE MT70 S 001	
	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.	Longitudinal 390 292 228	PROJECT DESCRIPTION: GAB IDF	
1	BOET PLAT DE INSTALLED UDING A TONQUE WINLINGT ON STAT-AZZ FEN INSTRUCTION FOR USE.		PAPER SIZE	PROJECT NUMBER:
F	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.		TRAPEZE MT70 S 001	ECT JOB SHEET
F		4 2 5	TRAPEZE MT70 S 001	

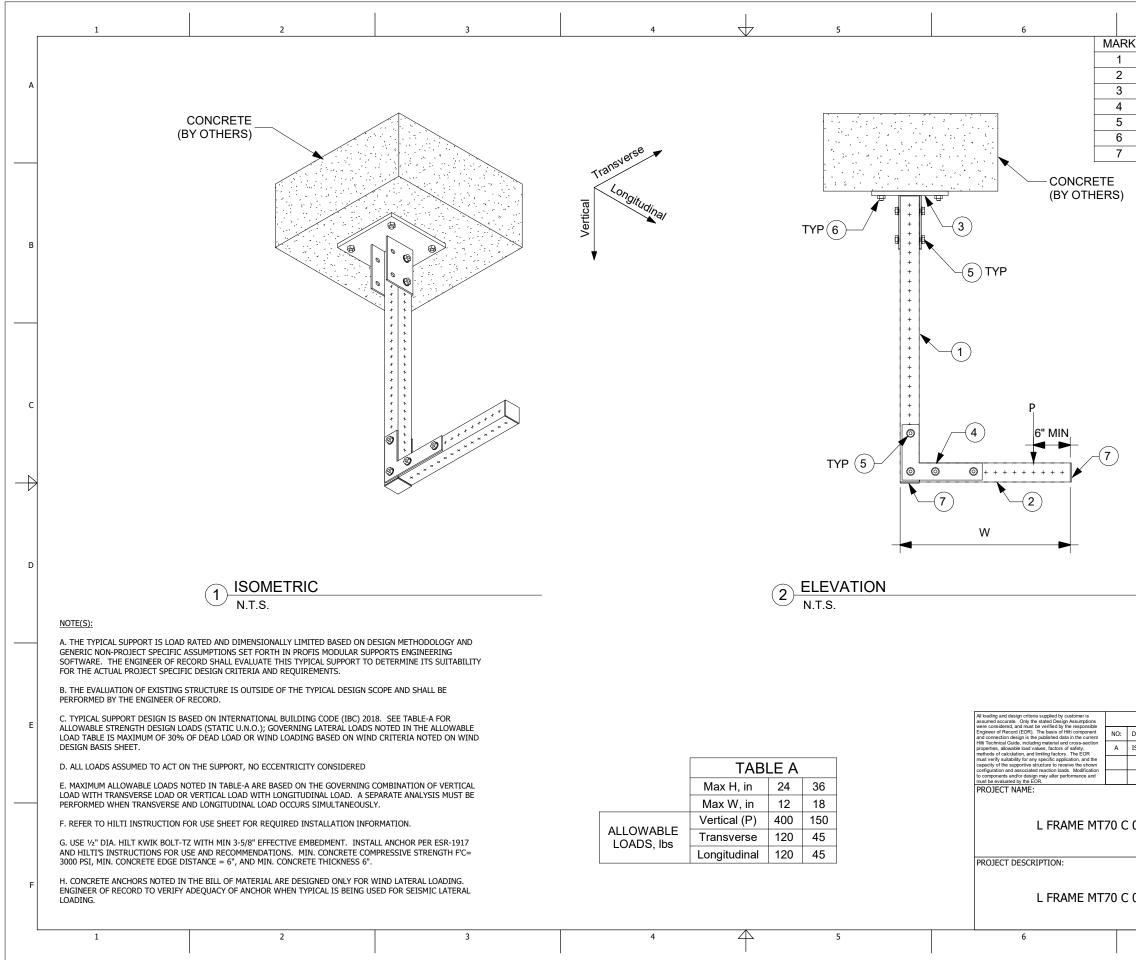


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	ITEM NO.		RIPTION	QTY.	
1	2268369	MT-90 OC		1	
2	2268369	MT-90 OC	1.00	1	A
3	2272103	MT-B-GL-C		2	
4	2272075	MT-C-GLP		2	
5	2272084	MT-TFB O	5 (B-TZ 5/8" X	64	
6	387530	4-3/4" SS30		8	
7	2273699	MT-EC-90		1	
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		N HISTORY			
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	GAB	IDP	JDR	BVD	
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001		PROJECT		SHEET	
	ANSI B		TR9C1	1	
7 BI	M 360://Hilti - MT Typica	als/TR9C1.rvt	8	3	

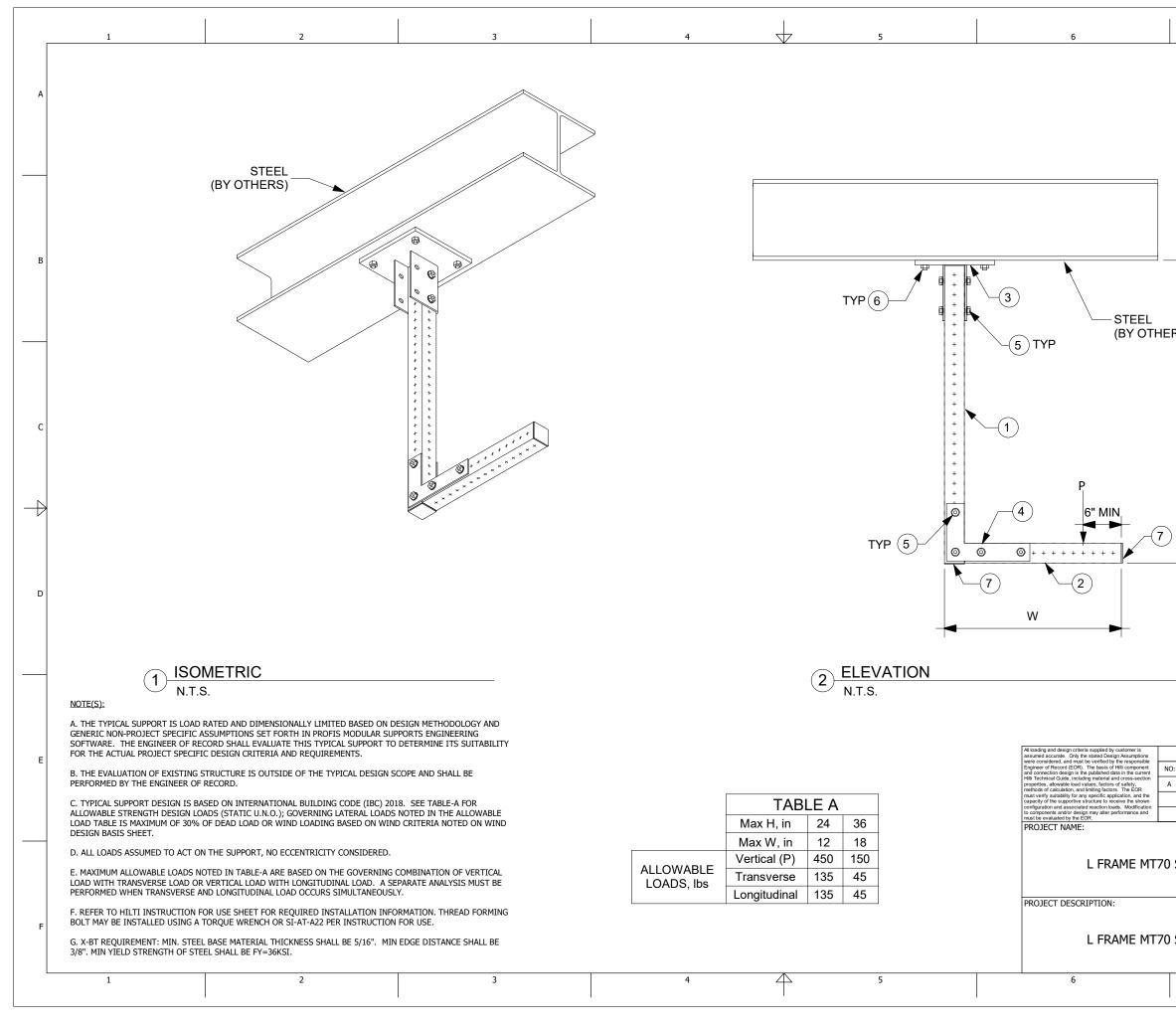


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MARK	ITEM NO.	DES	SCRIPTION	QTY.	]
1	2268369	MT-90 OC		1	1
2	2268369	MT-90 OC		1	]
3	VARIES	MT-B-GXL S	+ OC (SEE TABLE)	2	A
4	2272075	MT-C-GLP T	00	2	
5	2272084	MT-TFB OC		52	]
6	387398	MI-SGC M16	3	8	]
7	2273699	MT-EC-90		1	]

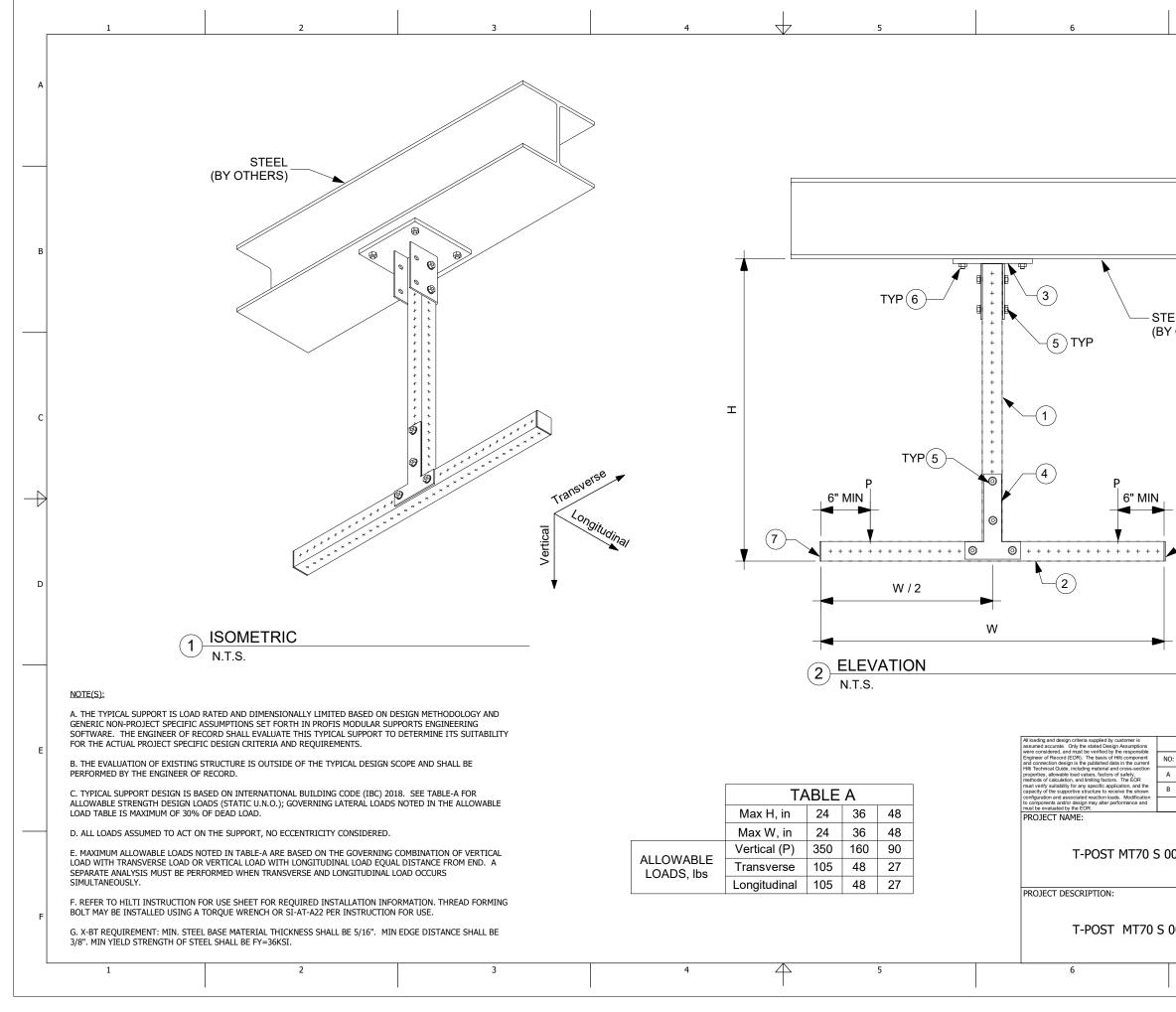
MT-B-GXL S+ OC							
+ 'B' Width Item No.							
1	2.9 to 6.5	2272106					
2	6.5 to 9.2	2272107					
3	9.2 to 11.8	2272108					



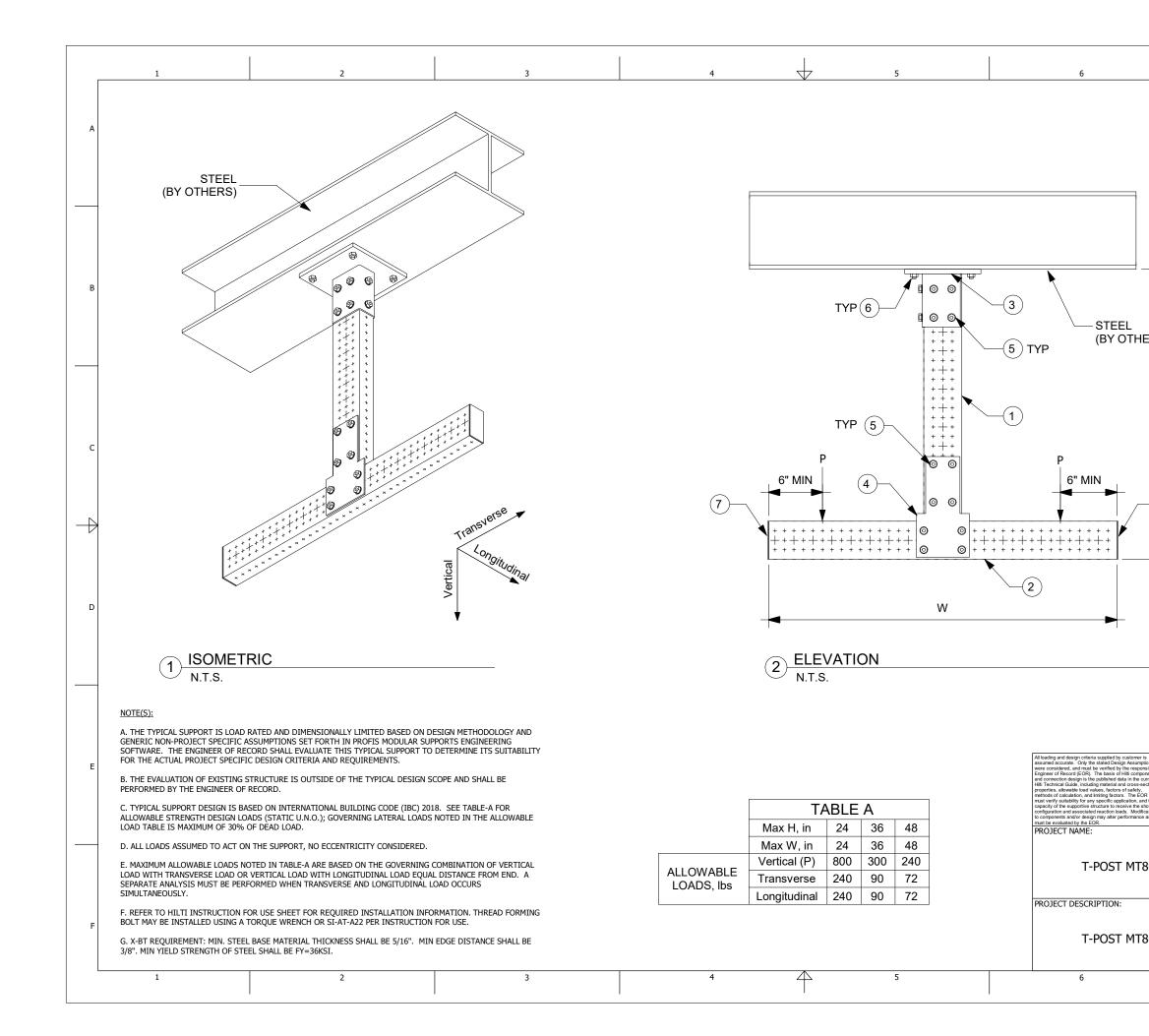
			1			
	7				8	
RK	ITEM NO.	[	DESCRIPTI	ON	QTY.	
	2268365	MT-70 L O	0		1	
	2268365	MT-70 L O	0		1	
	2272101	MT-B-GS O	4U OC		1	A
	2272073	MT-C-GSP	LOC		2	
	2272084	MT-TFB OC	;		14	
	387527	ANCHOR K	B-TZ 1/2" x	4-1/2" SS30	04 4	
	2273697	MT-EC-70			2	
						C
						4-
						D
		DEVICIO				
DESCRI	PTION:	KEV1310	N HISTORY		DATE:	E
-	OR REVIEW				09/21/2020	
C 001		DRAWN:	CHECKED:	DESIGNED:	REVIEWED:	
C 001		GAB PAPER SIZE: ANSI B	IDP PROJECT	JDR OJECT NUMB JOB - LF7C1	sнеет - 1	F
	7 C F	:\Users\beavgra\BIM 360 irame\LF7C1.rvt	)\Hilti North America\Hil		8 Files\Hilti Typicals\L	

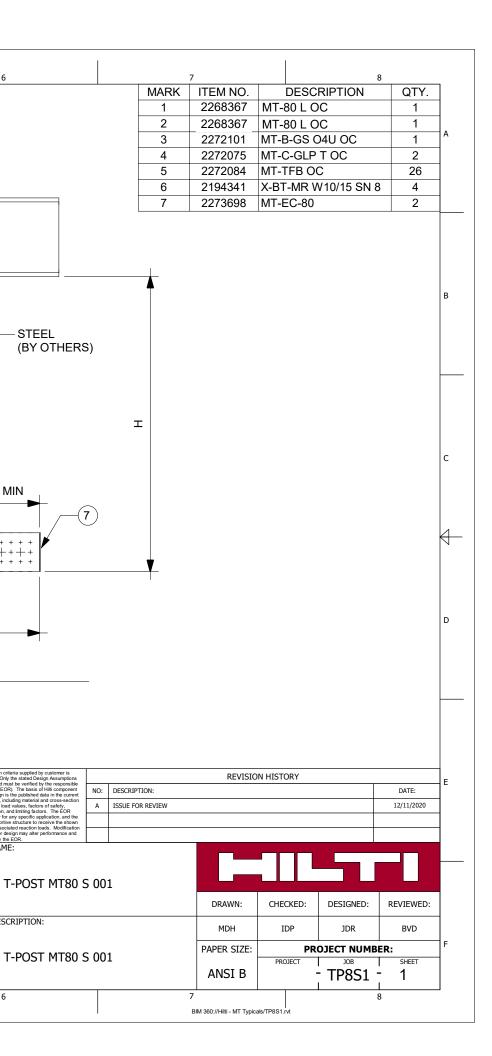


		7				8	1
		MARK	ITEM NO.		RIPTION	QTY.	-
		1 2	2268365	MT-70 L O		<u>1</u>	-
		2 3	2268365 2272101	MT-70 L OC MT-B-GS C		1	A
		3 4	2272101	MT-C-GSP		2	-
		4 5	2272073	MT-TFB O		14	-
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		7	2273697	MT-EC-70	. 10, 10 0110	2	-
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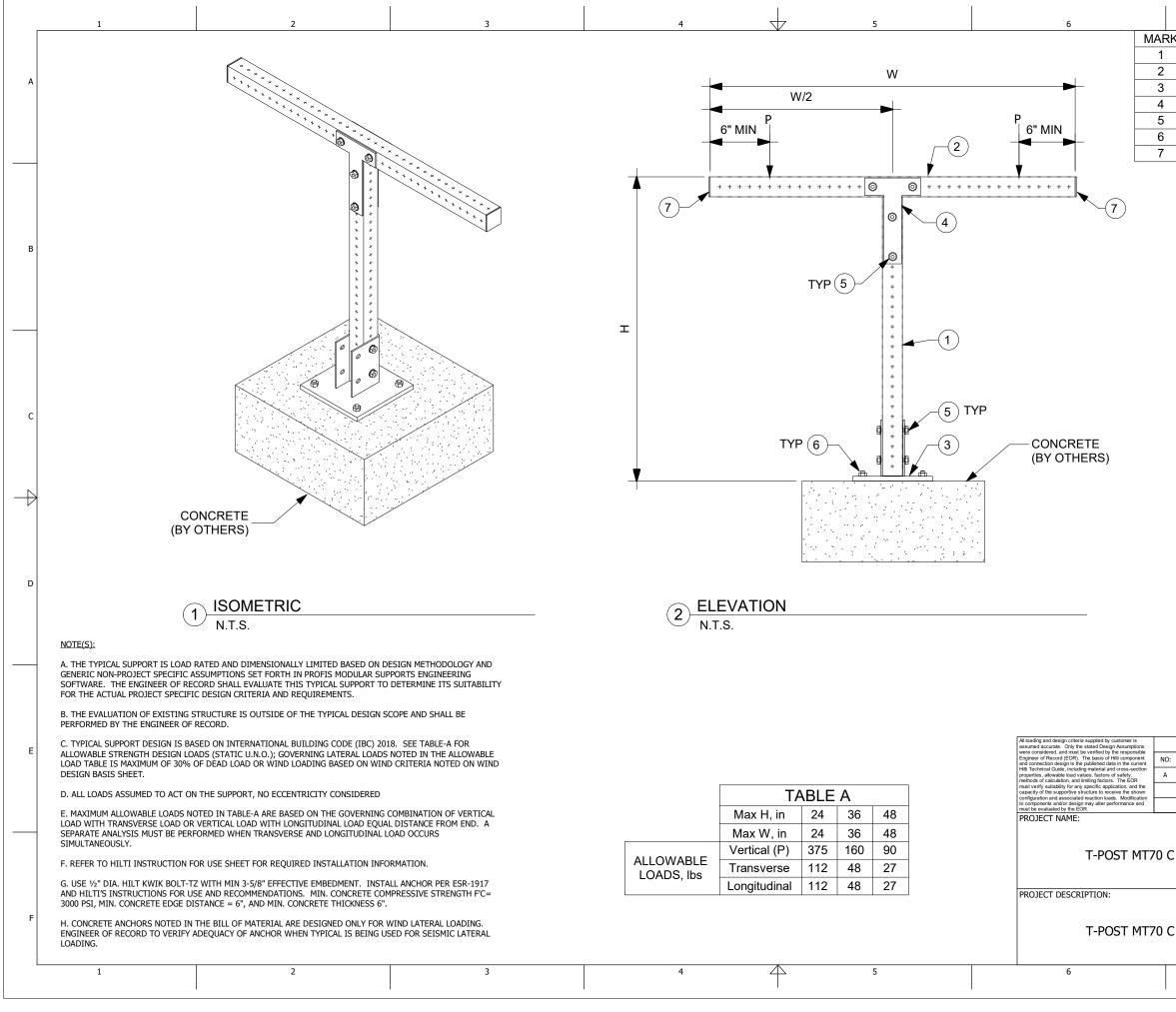
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	3	2272101	MT-B-GS C		1	
	4	2272074	MT-C-GSP		2	
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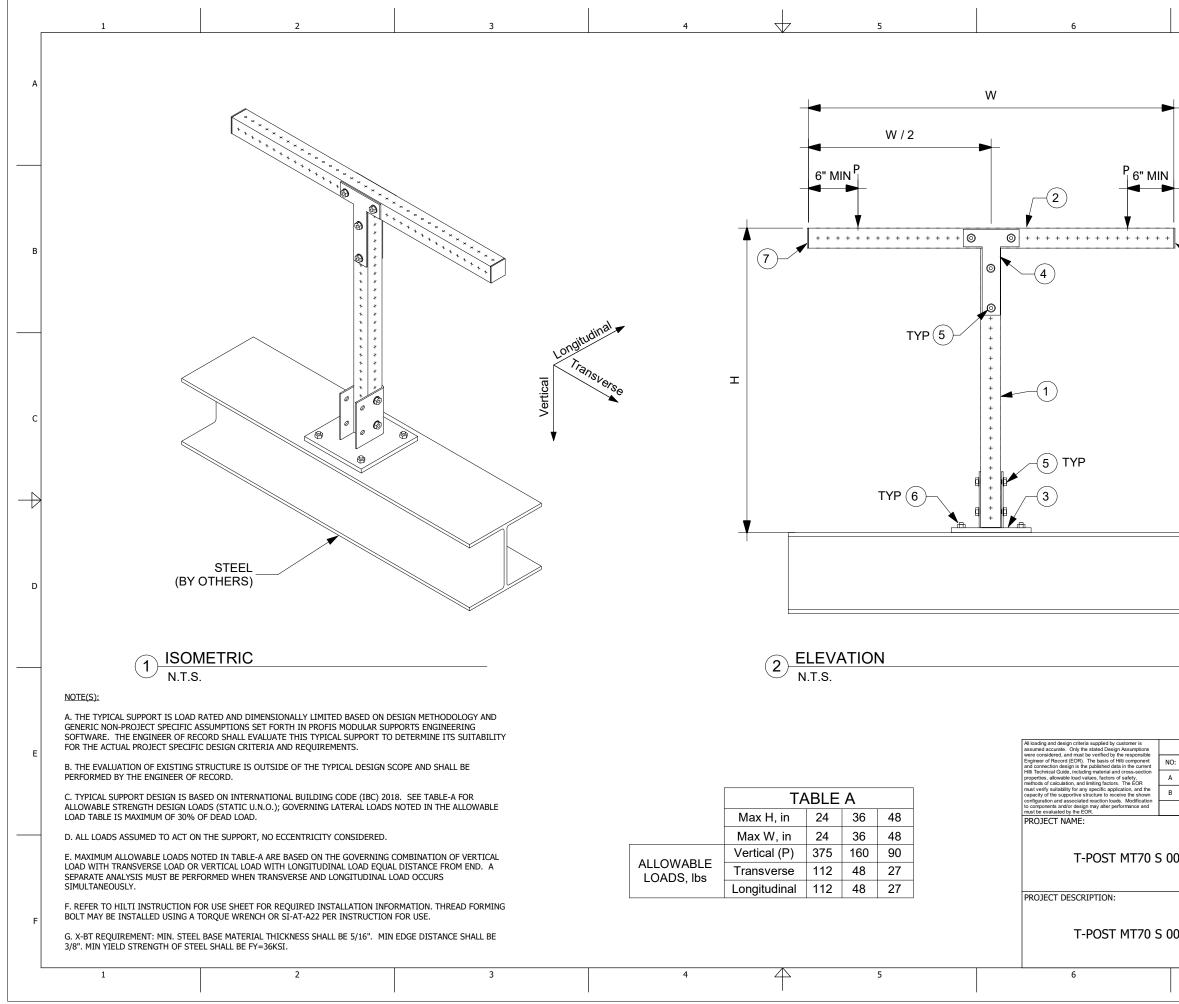


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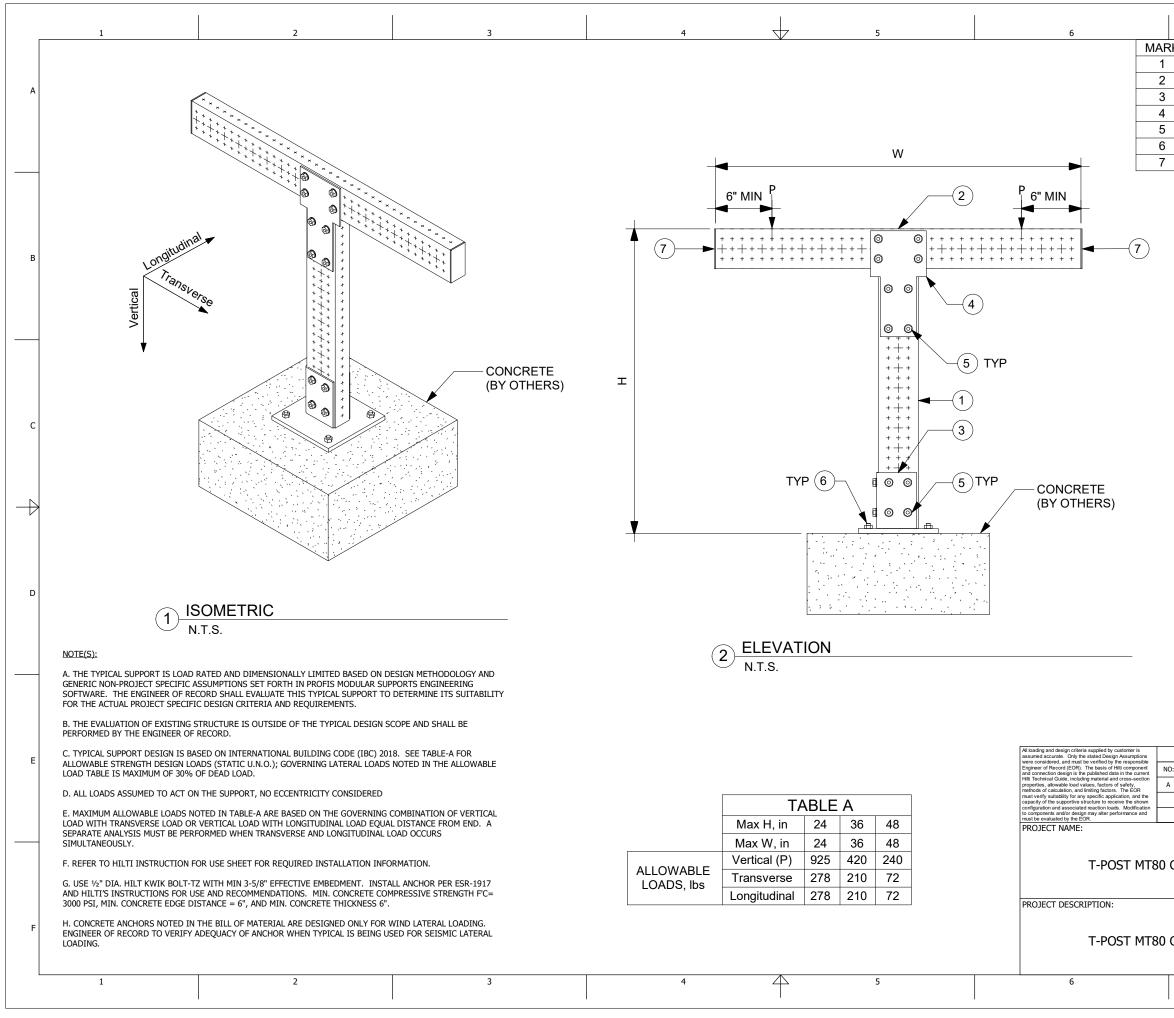
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1         2268365         MT-70 L OC         1           2         2268365         MT-70 L OC         1           3         2272101         MT-8-GS O4U OC         1           4         22721074         MT-C-GSP T OC         2           5         2272034         MT-TFB OC         14           3         387527         ANCHOR KB-TZ 1/2" x 4-1/2" SS304         4           7         2273697         MT-EC-70         2							
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2         2268365         MT-70 L OC         1           3         2272101         MT-6-GS PT OC         2           5         2272084         MT-17B OC         14           5         387527         ANCHOR KB-TZ 1/2" X 4-1/2" SS304         4           7         2273697         MT-EC-70         2           8					'IN		
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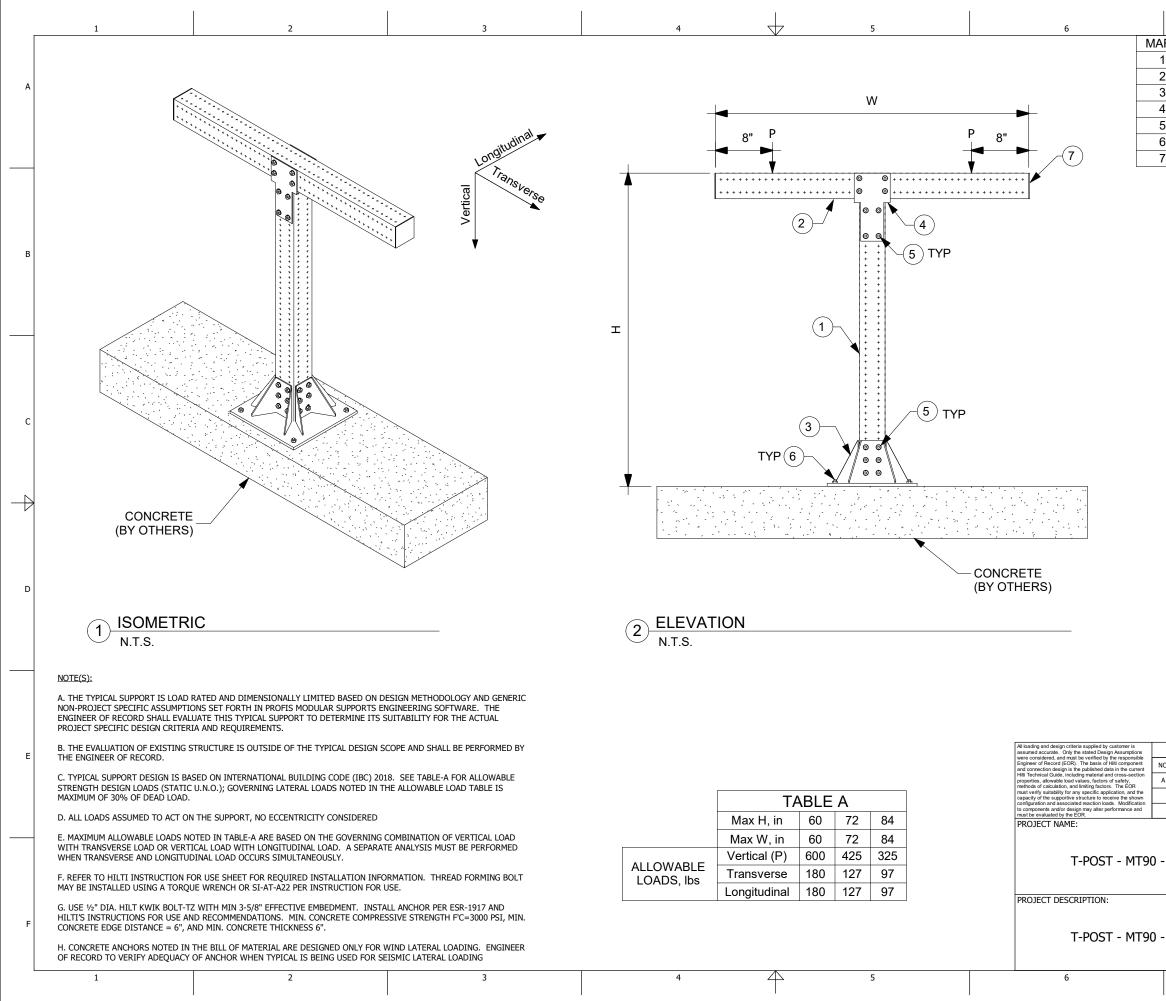


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	2	2268365	MT-70 L C		1	А
	3	2272101	MT-B-GS		1	
	4	2272074	MT-C-GS		2	
	5	2272084	MT-TFB C		14	
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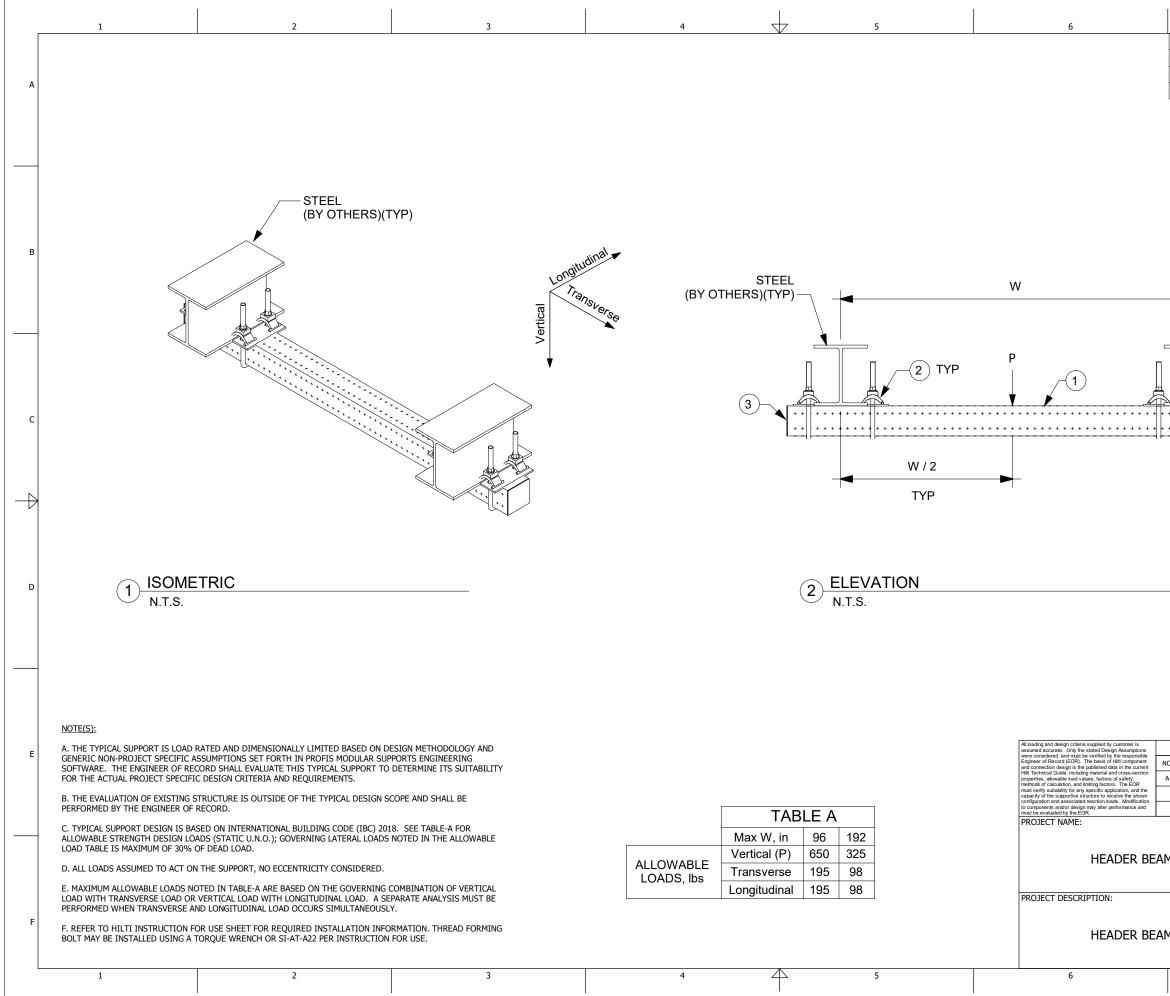


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		MT-B-GS O4U OC 1	
•		MT-C-GLP T OC 2	
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i		ANCHOR KB-TZ 1/2" x 4-1/2" SS304 4	
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		. W	1 2 3 4 5 6	2268367         MT-80 L OC         1           2268367         MT-80 L OC         1           2272101         MT-B-GS O4U OC         1           2272075         MT-C-GLP T OC         2           2272084         MT-TFB OC         26           2194341         X-BT-MR W10/15 SN 8         4
		6" MIN P (2) (+ + + + + + + + + + + + + + + ) (2) (+ + + + + + + + + + + + + + + + + + +		2273698 MT-EC-80 2
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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.			All loading and design criteria supplied by customer is assumed accurate. Only the stated Design Assumptions	REVISION HISTORY
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.		TABLE AMax H, in243648	were considered, and must be verified by the responsible Engineer of Record (EOR). The basis of Hits component and connection design is the published data in the current Hitl Technical Guide, including material and cross-section properties, allowable load values, factors of safety.         NO:         DESCRIPTION:           Mo:         OESCRIPTION:         A         ISSUE FOR REVIEW           mattree of adduction, and initing factors configuration and association responses on to components and/or design may alter performance and must be evaluated by the EOR.         NO:         DESCRIPTION:           PROJECT NAME:         Description         Description         Description	DATE: 12/11/2020
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.	ALLOWABLE LOADS, lbs	Max W, in         24         36         48           Vertical (P)         925         420         240           Transverse         278         210         72           Longitudinal         278         210         72	T-POST MT80 S 002 PROJECT DESCRIPTION:	DRAWN: CHECKED: DESIGNED: REVIEWED:
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.			T-POST MT80 S 002	MDH     IDP     JDR     BVD       PAPER SIZE:     PROJECT NUMBER:     F       ANSI B     -     TP8S2 -     1
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2	2268369	MT-90 OC			1	-
3	2272103	MT-B-GL-O4	I OC		1	A
4	2272075	MT-C-GLP T	OC		2	1
5	2272084	MT-TFB OC			40	
6	387530	ANCHOR KI	3-TZ 5/8" X	4-3/4" SS30	4 4	
7	2273699	MT-EC-90			2	
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