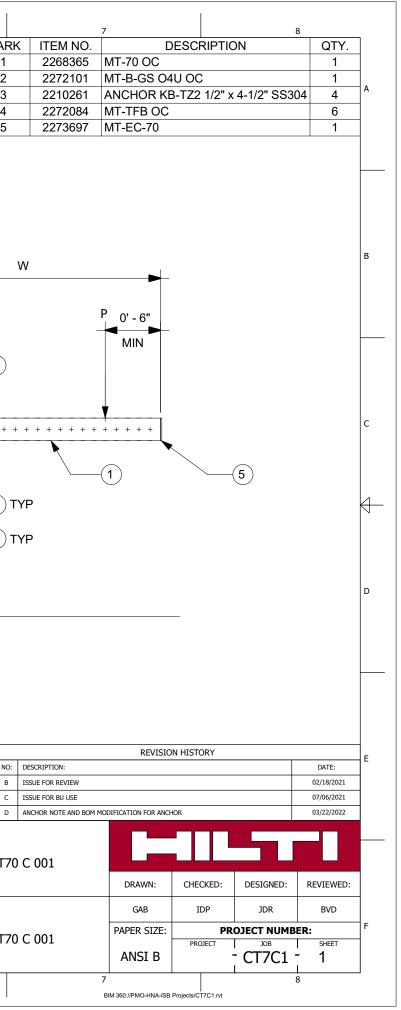
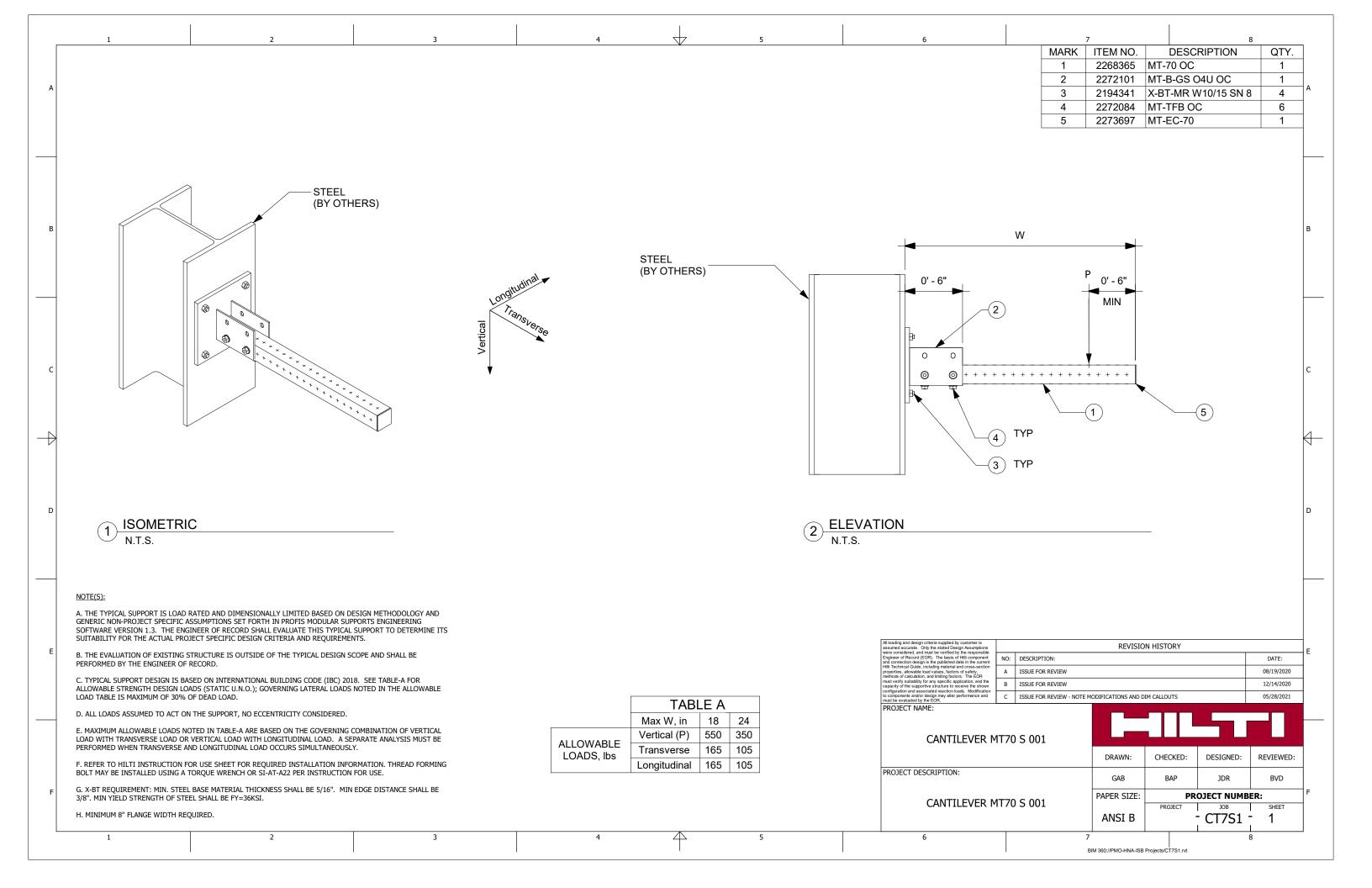
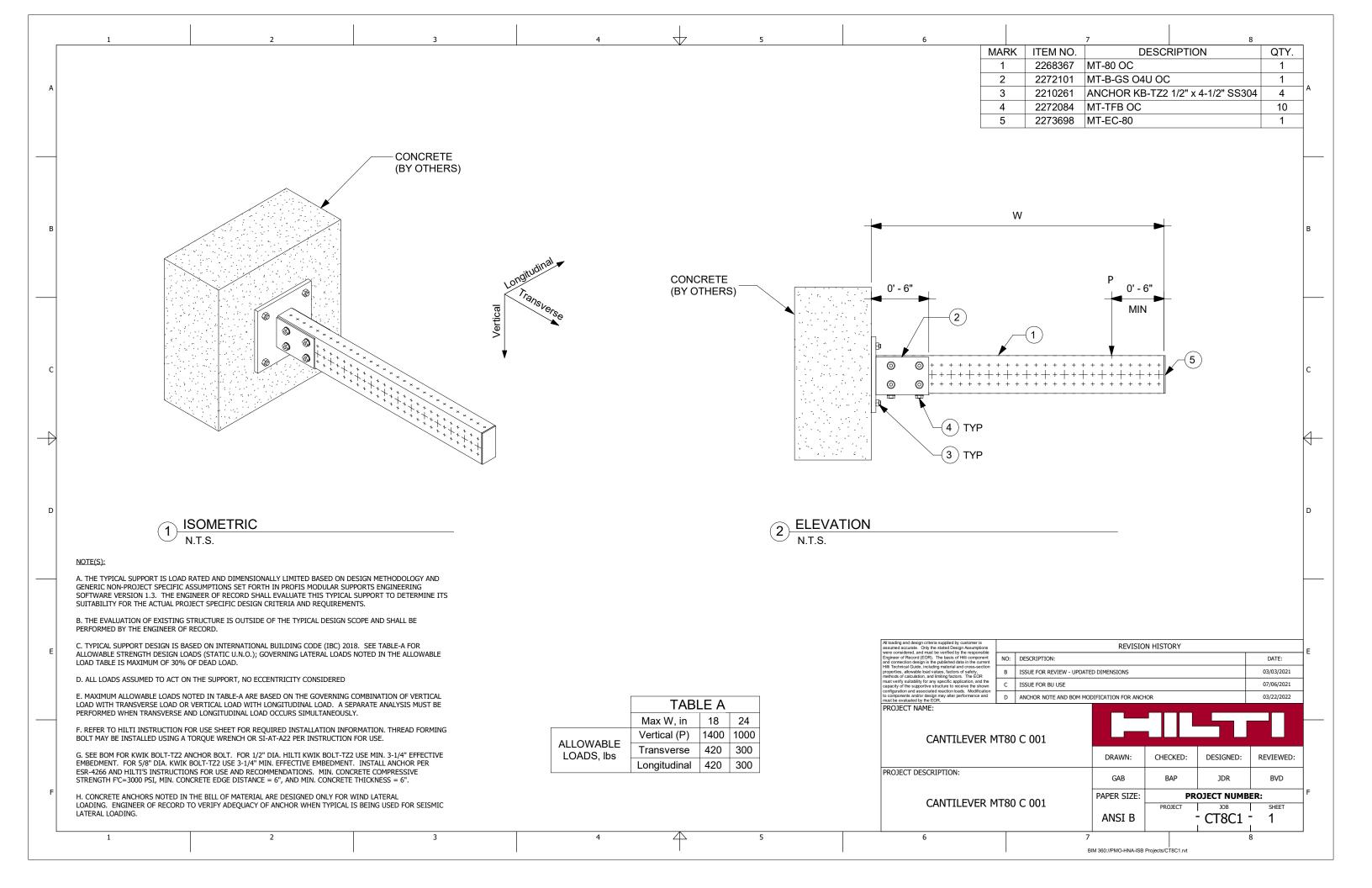
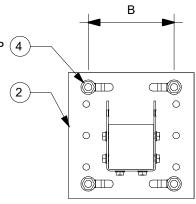
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E	GENERIC NON-PROJECT SPECIFIC SOFTWARE VERSION 1.3. THE EI SUITABILITY FOR THE ACTUAL PF B. THE EVALUATION OF EXISTING PERFORMED BY THE ENGINEER C C. TYPICAL SUPPORT DESIGN IS I ALLOWABLE STRENGTH DESIGN I LOAD TABLE IS MAXIMUM OF 30% D. ALL LOADS ASSUMED TO ACT O E. MAXIMUM ALLOWABLE LOADS LOAD WITH TRANSVERSE LOAD C PERFORMED WHEN TRANSVERSE F. REFER TO HILTI INSTRUCTION BOLT MAY BE INSTALLED USING / G. SEE BOM FOR KWIK BOLT-TZ2 EMBEDMENT. FOR 5/8" DIA. KWI ESR-4266 AND HILTI'S INSTRUCT STRENGTH F'C=3000 PSI, MIN. CO H. CONCRETE ANCHORS NOTED I LOADING. ENGINEER OF RECORD LATERAL LOADING.	BASED ON INTERNATIONAL BUILDING COL LOADS (STATIC U.N.O.); GOVERNING LATE % OF DEAD LOAD. ON THE SUPPORT, NO ECCENTRICITY CON NOTED IN TABLE-A ARE BASED ON THE G OR VERTICAL LOAD WITH LONGITUDINAL I A ND LONGITUDINAL LOAD OCCURS SIMU N FOR USE SHEET FOR REQUIRED INSTALL A TORQUE WRENCH OR SI-AT-A22 PER IN: 2 ANCHOR BOLT. FOR 1/2" DIA. HILTI KWI IK BOLT-T22 USE 3-1/4" MIN. EFFECTIVE E TIONS FOR USE AND RECOMMENDATIONS. ONCRETE EDGE DISTANCE = 6", AND MIN. IN THE BILL OF MATERIAL ARE DESIGNED D TO VERIFY ADEQUACY OF ANCHOR WHE	DDULAR SUPPORTS ENGI IIS TYPICAL SUPPORT TO REQUIREMENTS. IL DESIGN SCOPE AND SH DE (IBC) 2018. SEE TABL RAL LOADS NOTED IN TH ISIDERED OVERNING COMBINATIO LOAD. A SEPARATE ANA LTANEOUSLY. ATION INFORMATION. TH STRUCTION FOR USE. IK BOLT-TZ2 USE MIN. 3- IMBEDMENT. INSTALL AI MIN. CONCRETE COMPF. CONCRETE THICKNESS ONLY FOR WIND LATERA	NEERING D DETERMINE ITS HALL BE LE-A FOR HE ALLOWABLE N OF VERTICAL LYSIS MUST BE HREAD FORMING +1/4" EFFECTIVE NCHOR PER RESSIVE = 6". AL ED FOR SEISMIC		ALLOWABLE LOADS, Ibs	Transverse Longitudinal	18     24       725     475       218     142       218     142		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 Hitcomponent and connection design is the published data in the current of the supportive structure to receive the shown configuration and associated reaction bads. Modification properties, alovable bad variages, factors of a staffy, must verify statishily for any specific applications, and the comparely of the supportive structure to receive the shown configuration and associated reaction bads. Modification must verify variability for any specific applications, and the comparely of the supportive structure to receive the shown configuration and associated reaction bads. Modification must be evaluated by the EOR. PROJECT NAME: PROJECT DESCRIPTION: CANTILEVER I	MT7(
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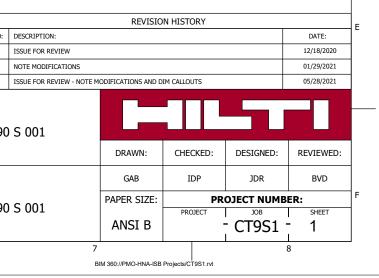


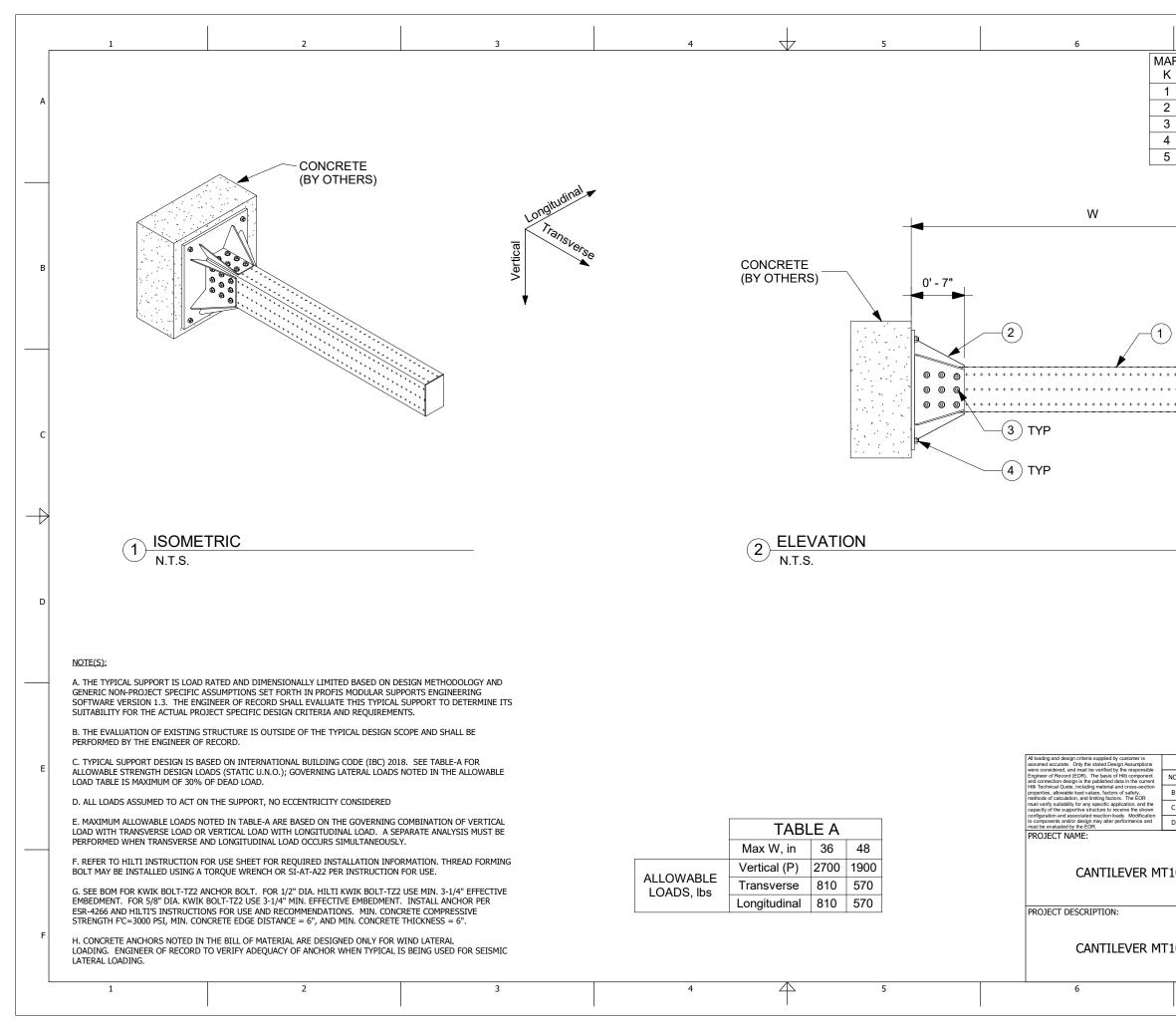


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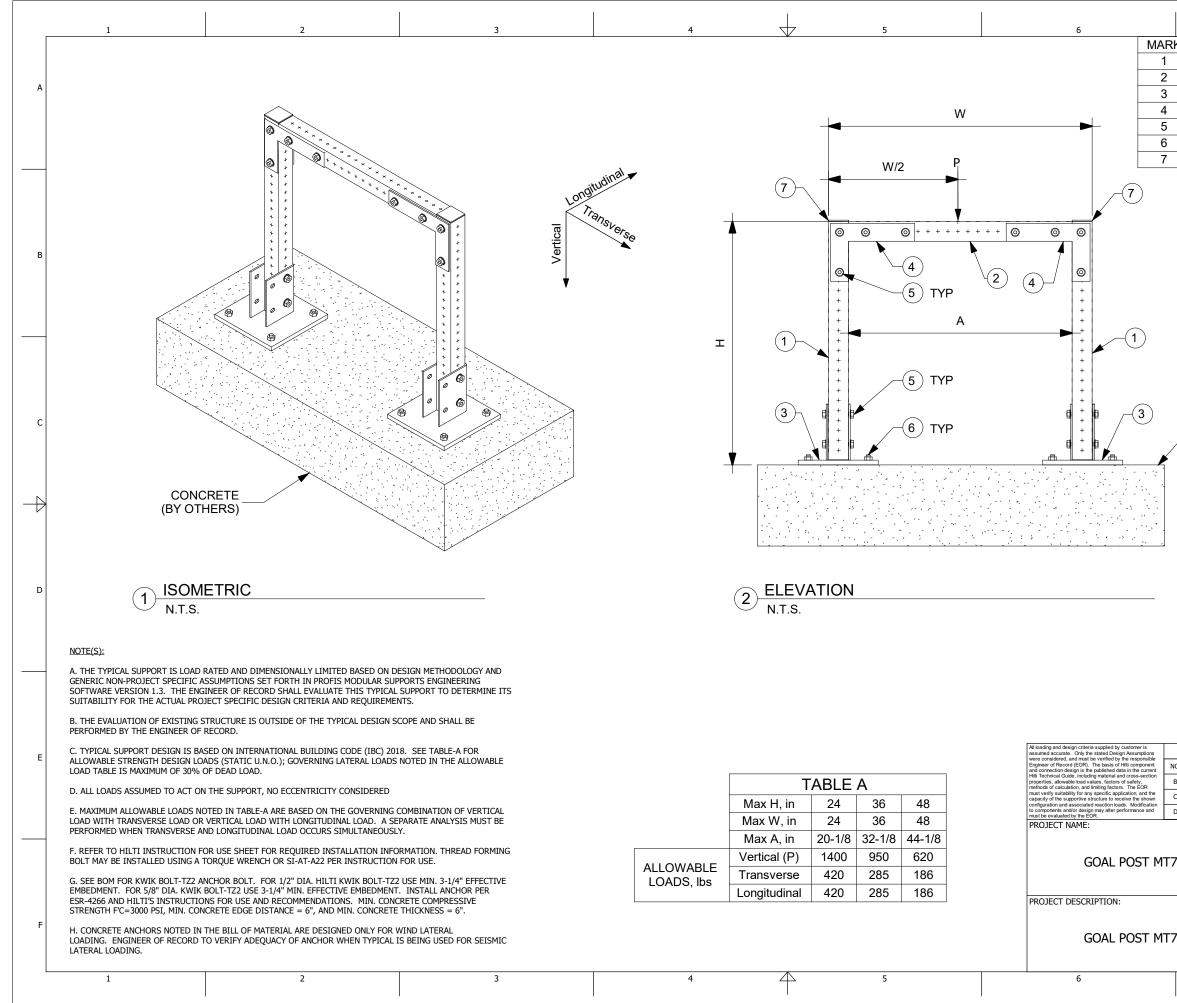




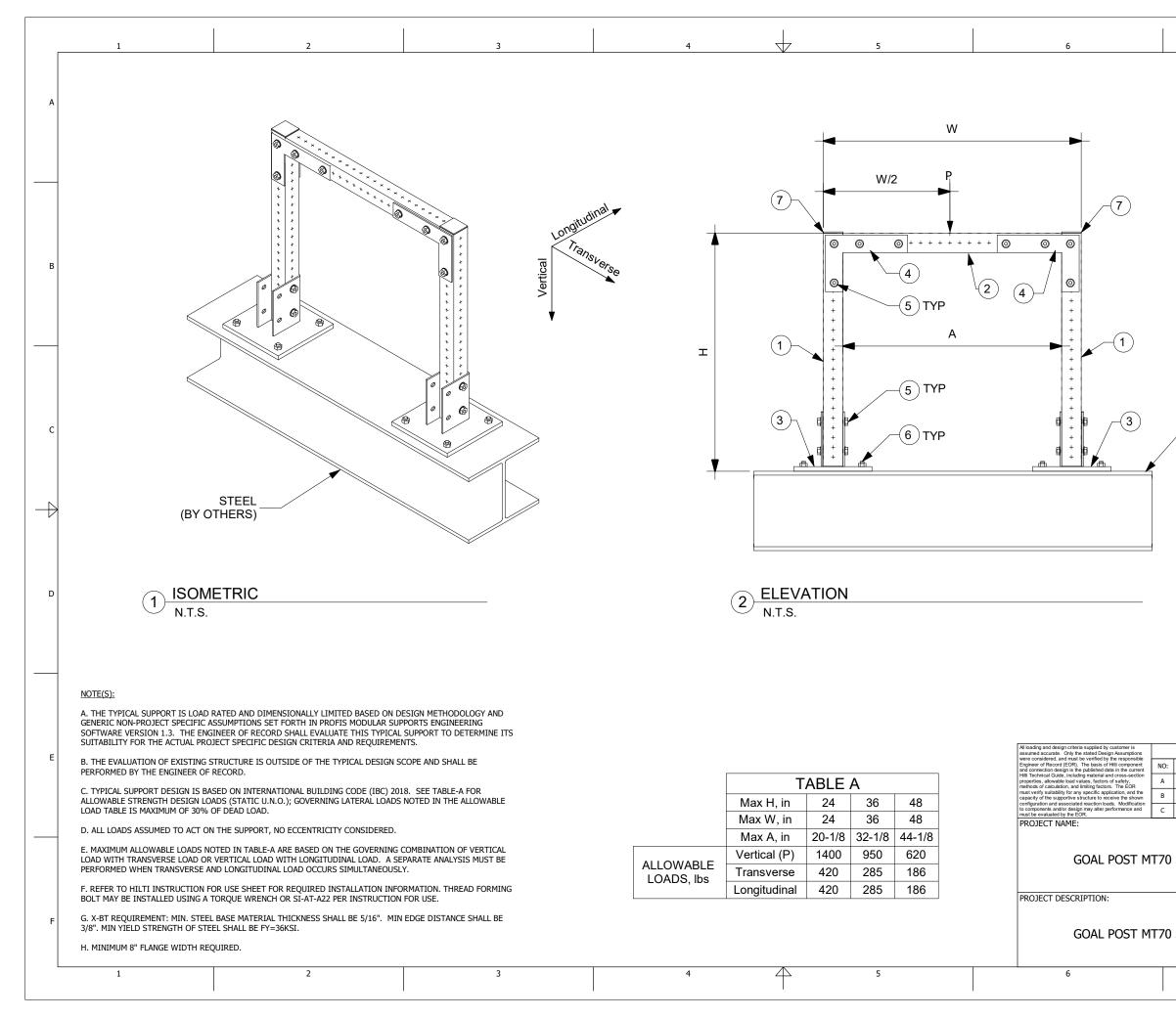




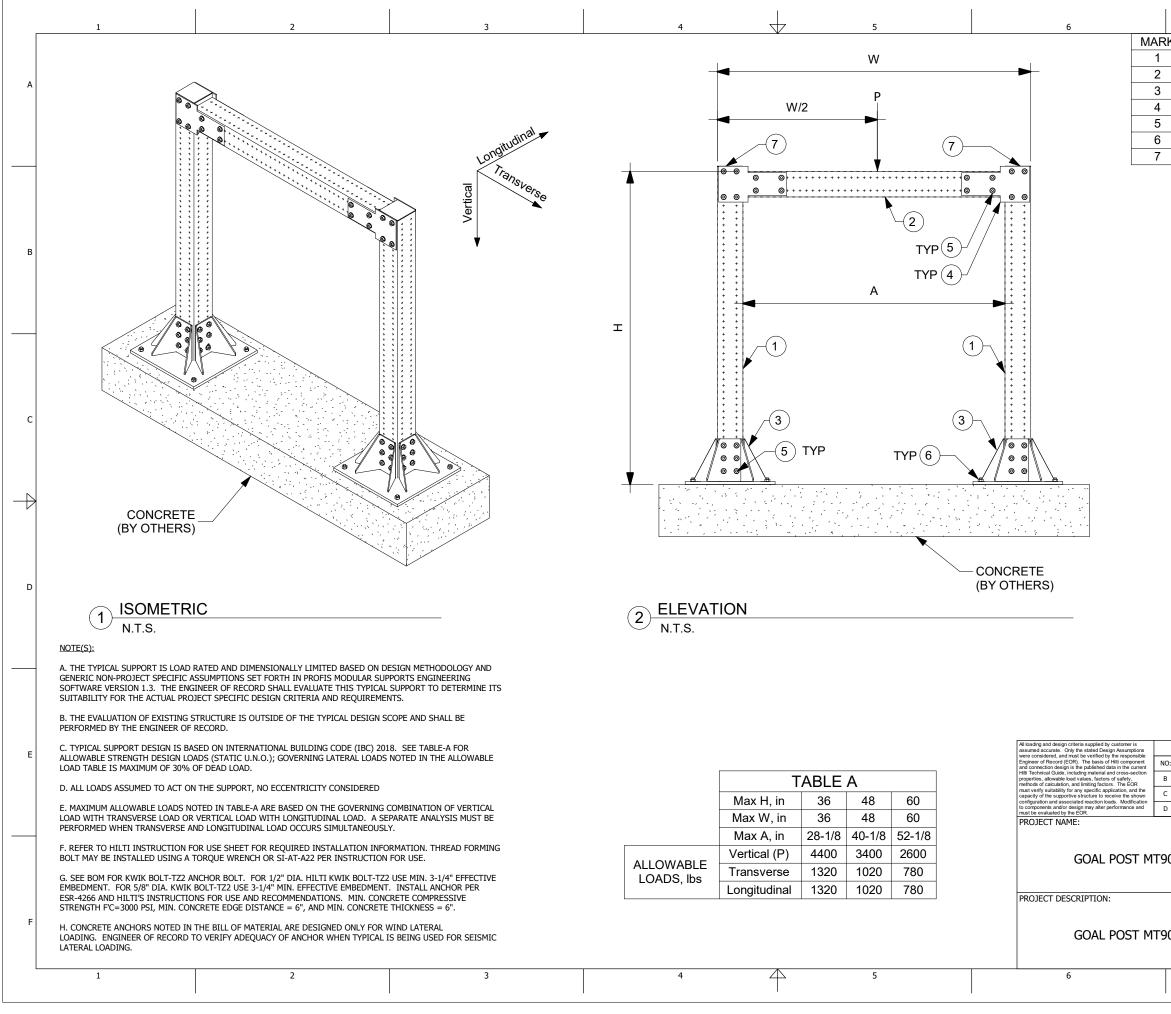
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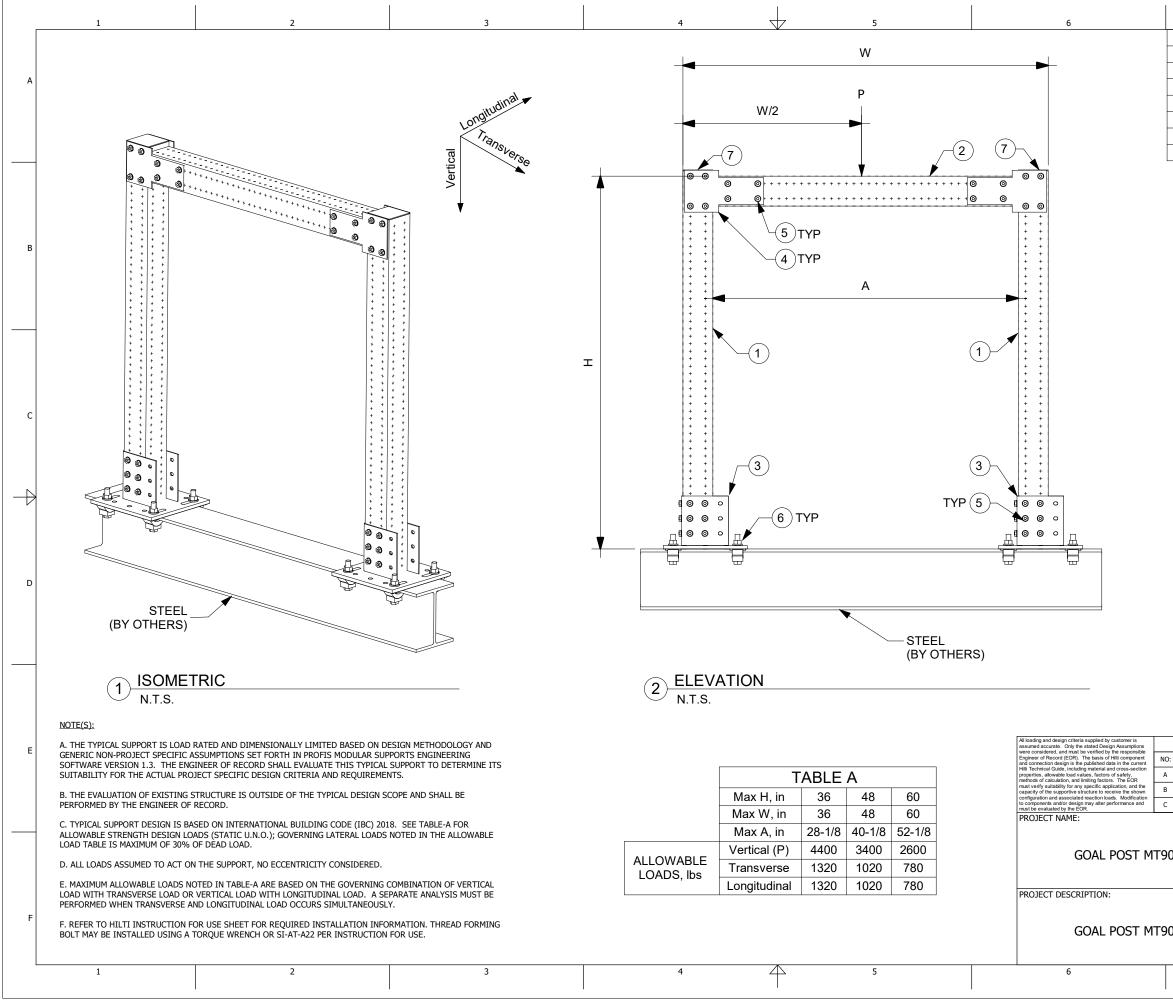
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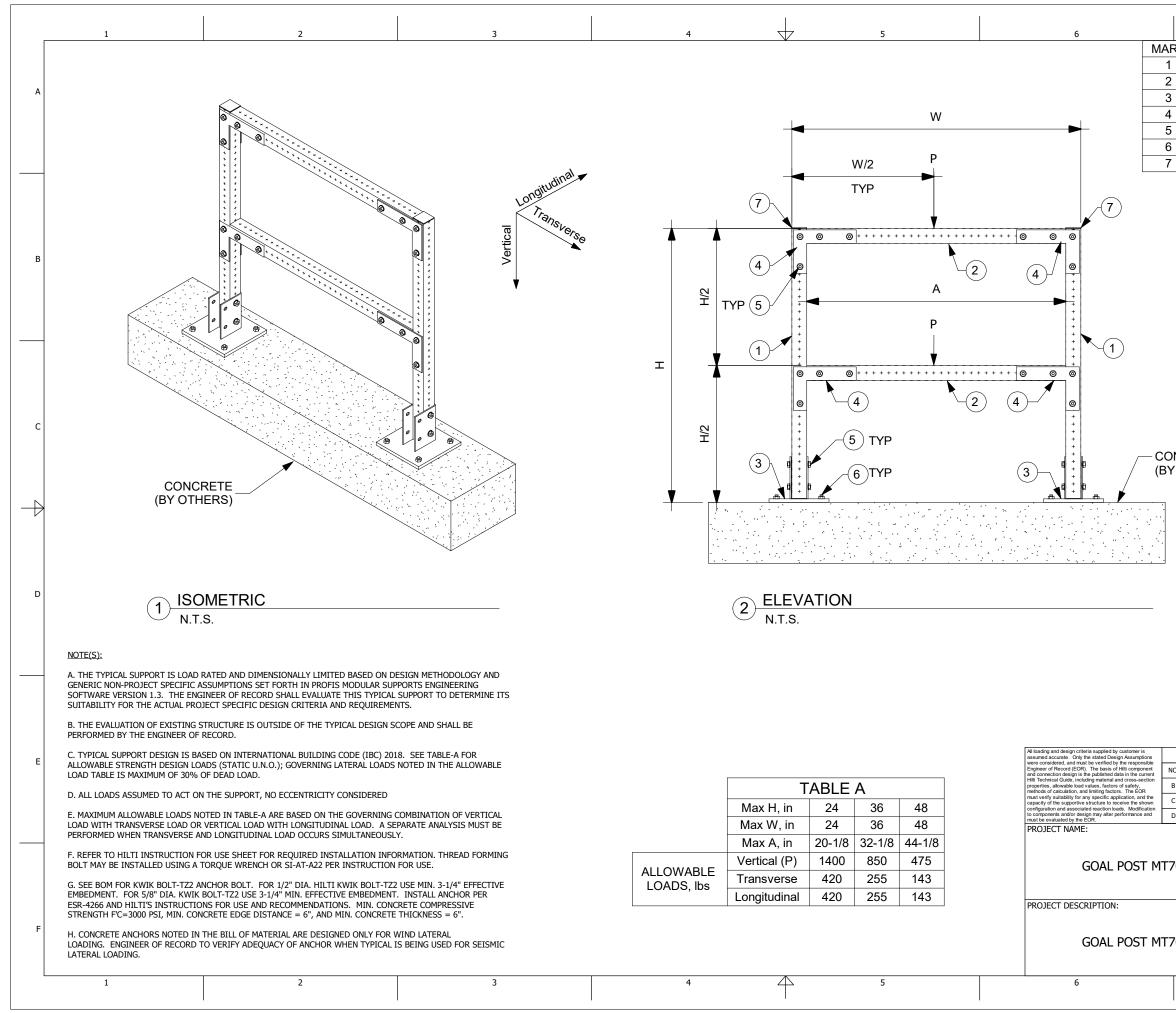
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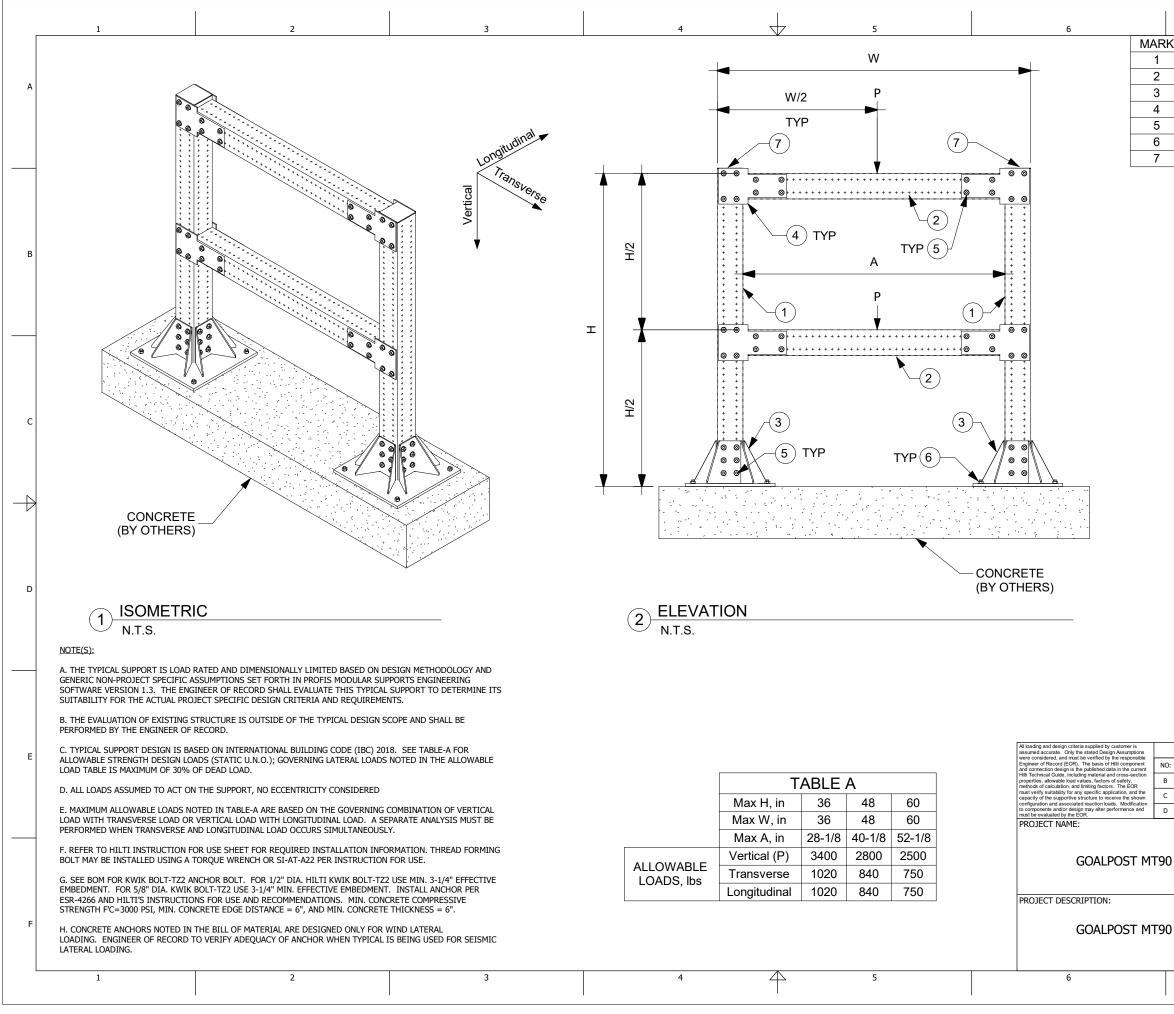
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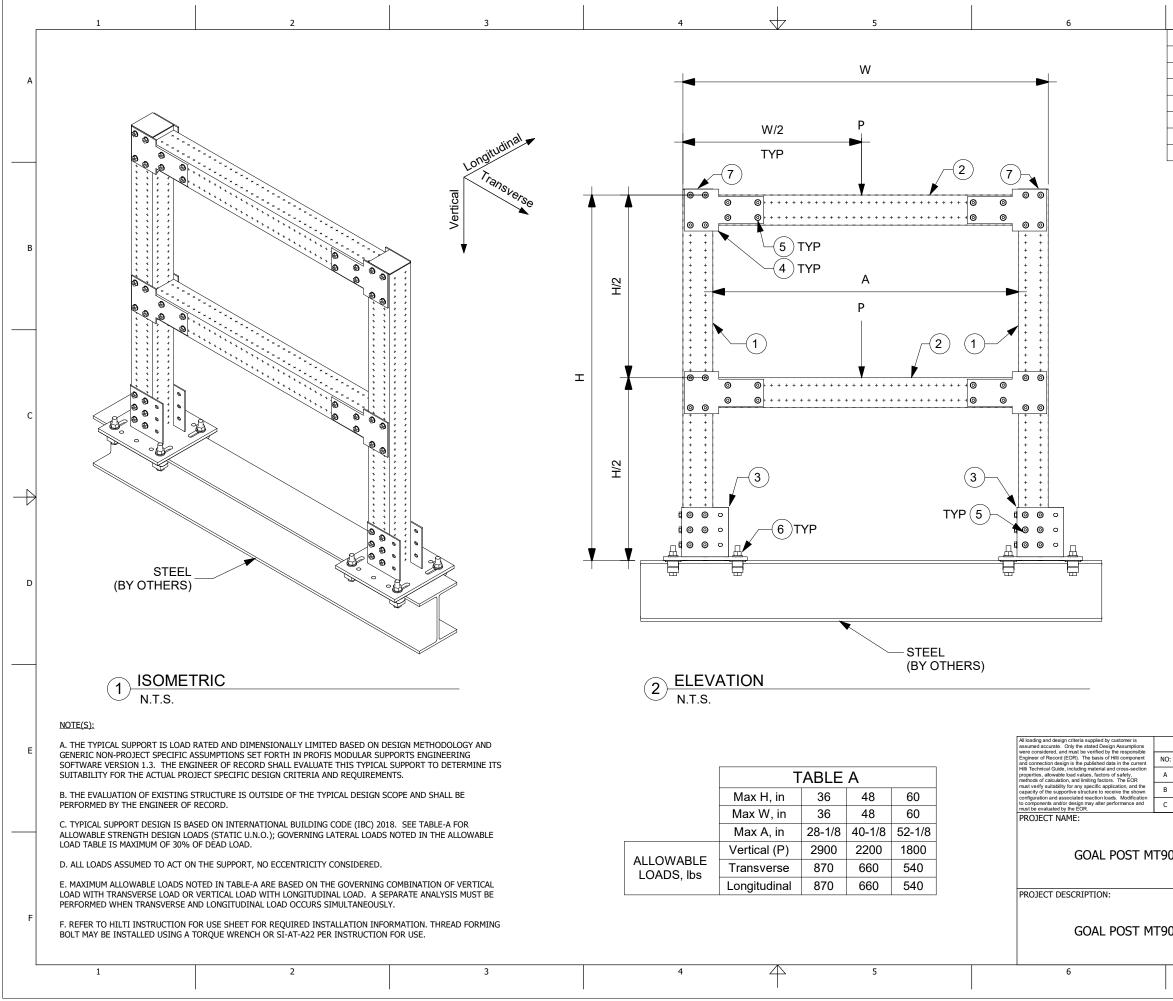
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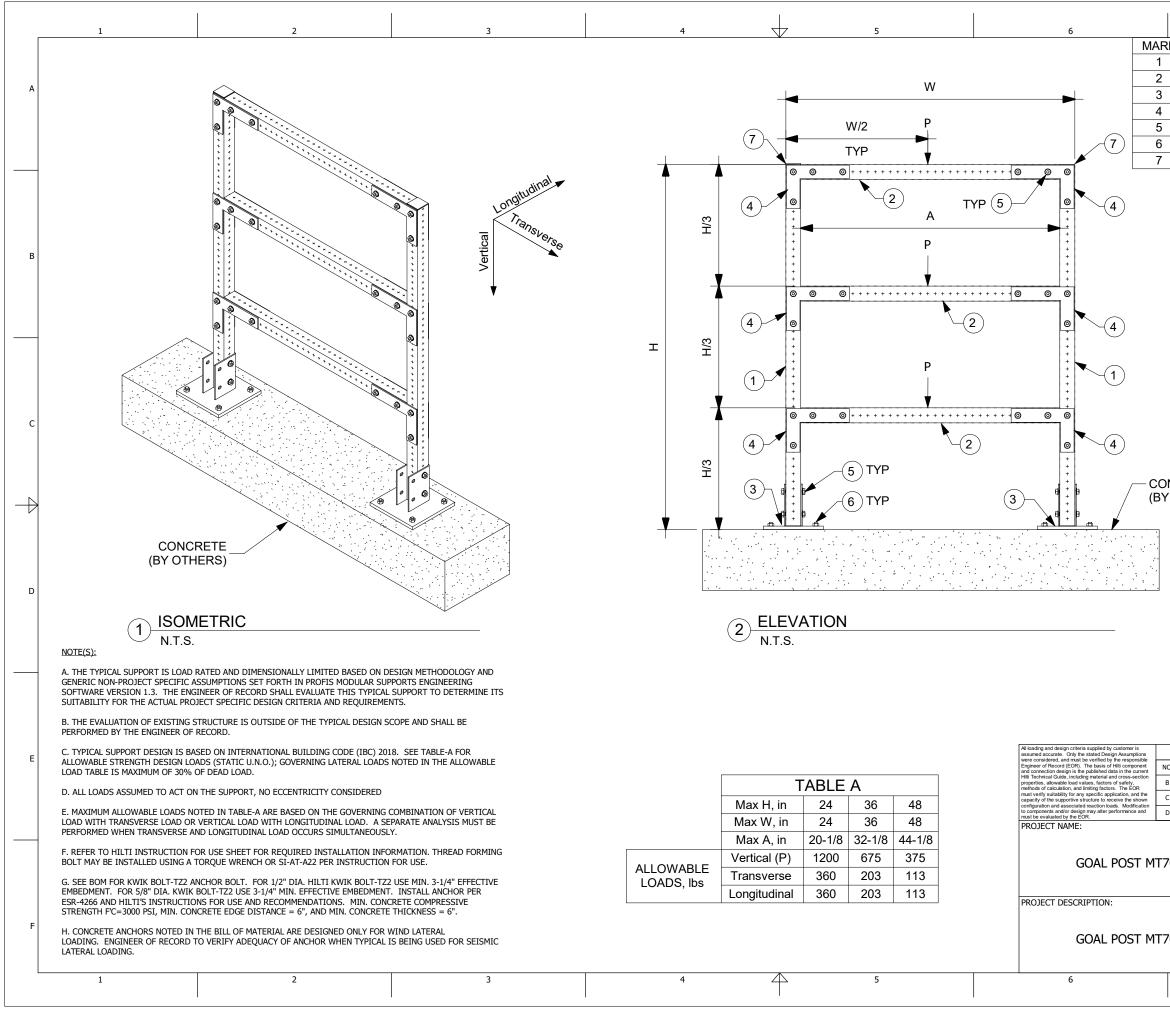
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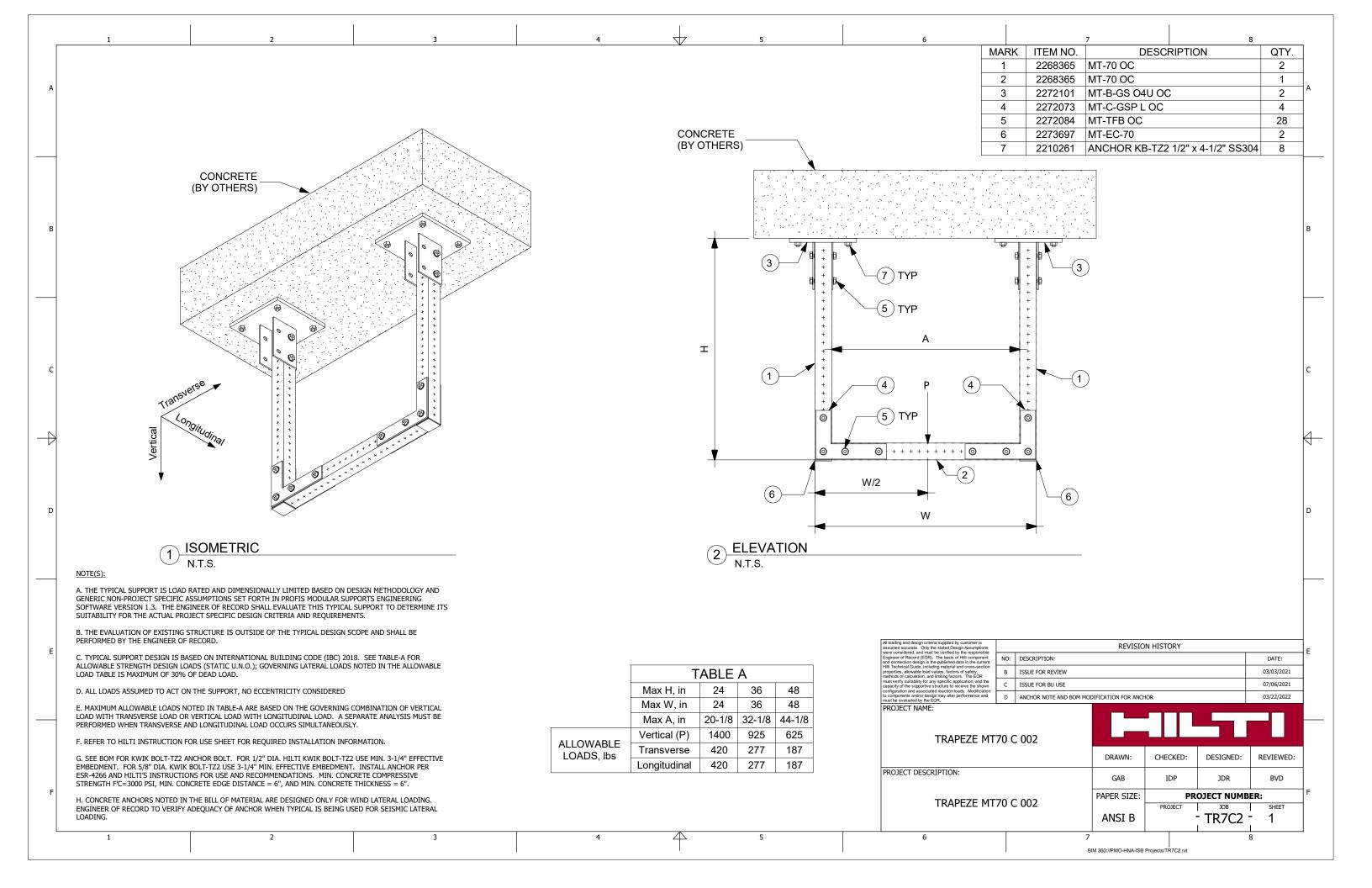
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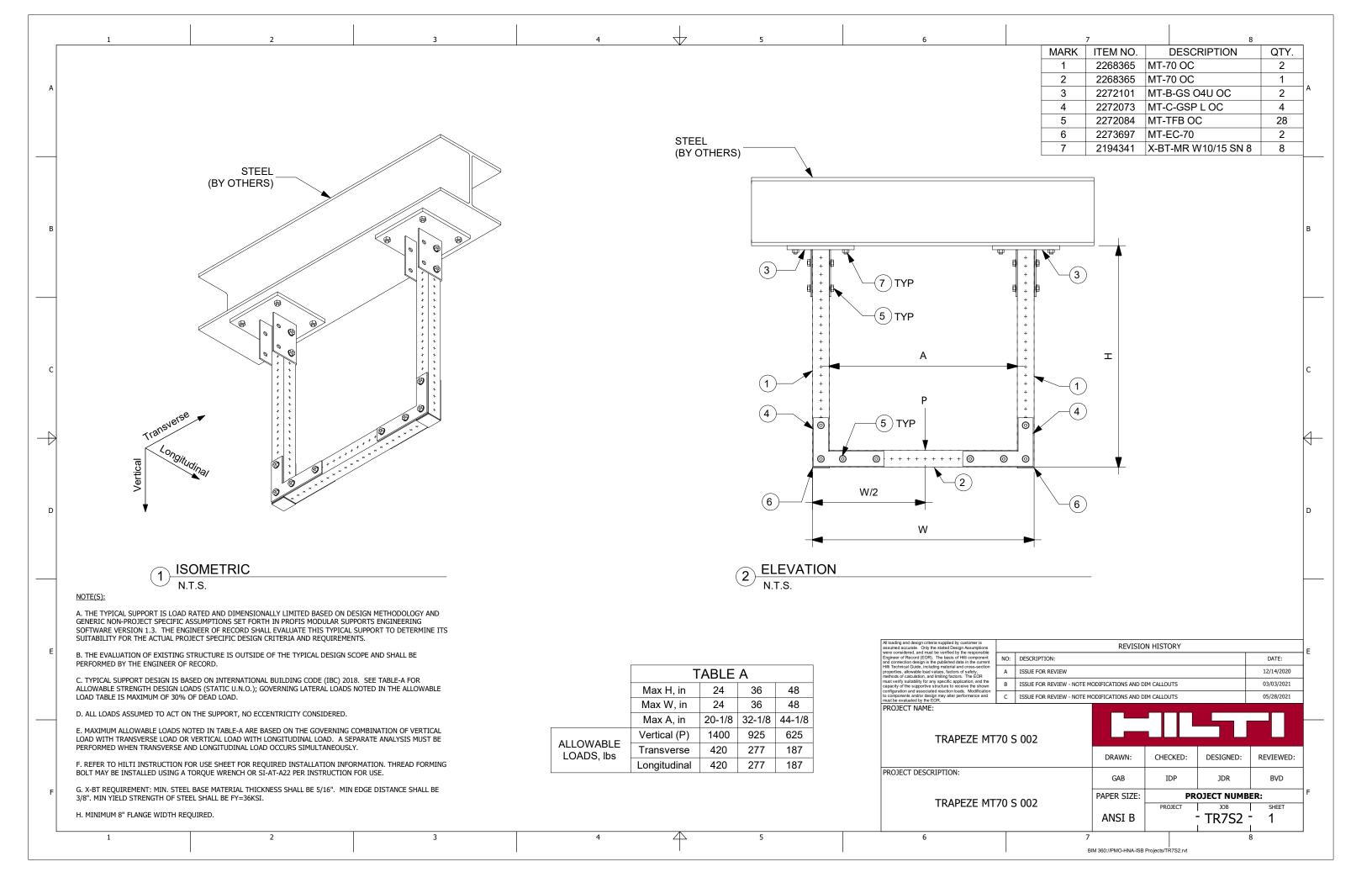


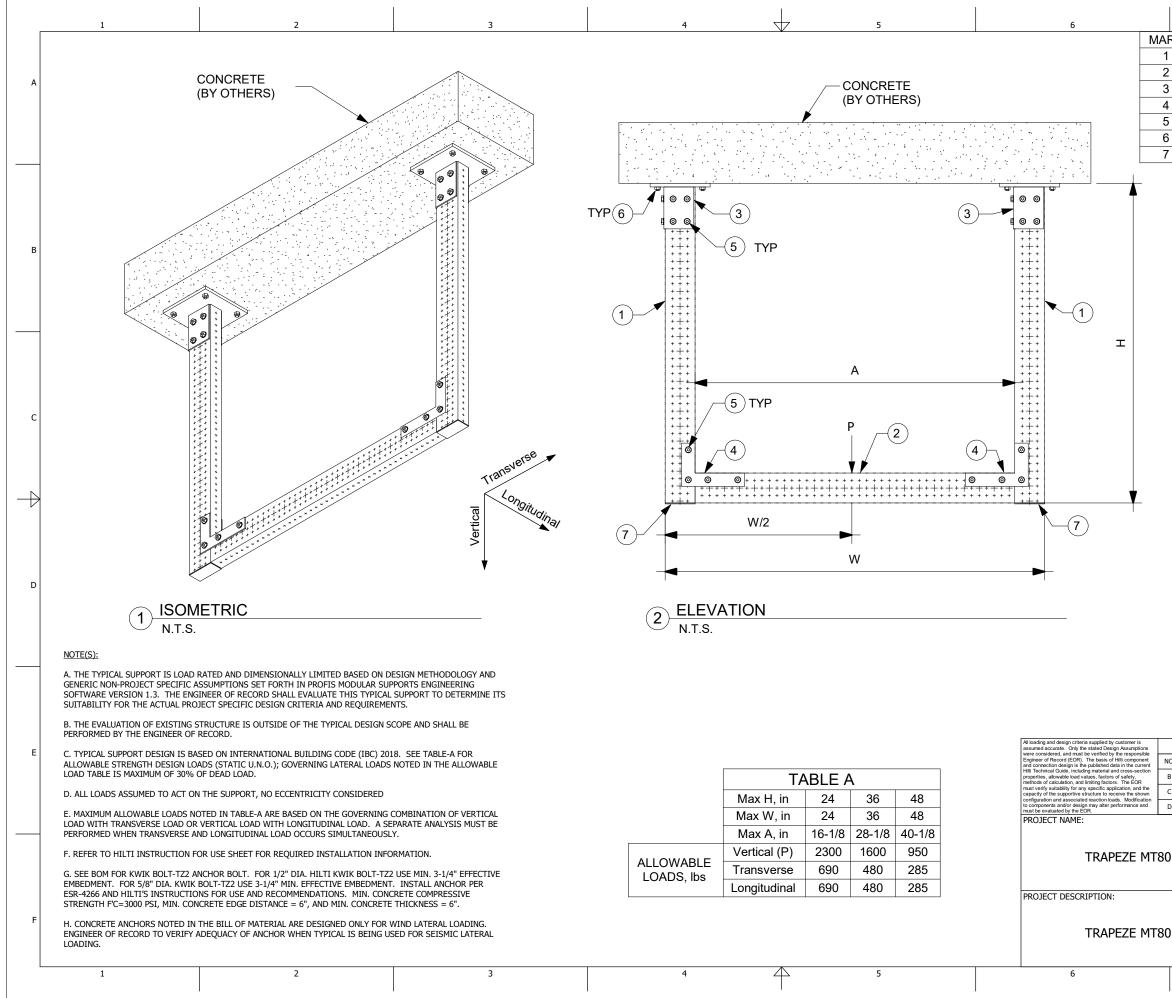
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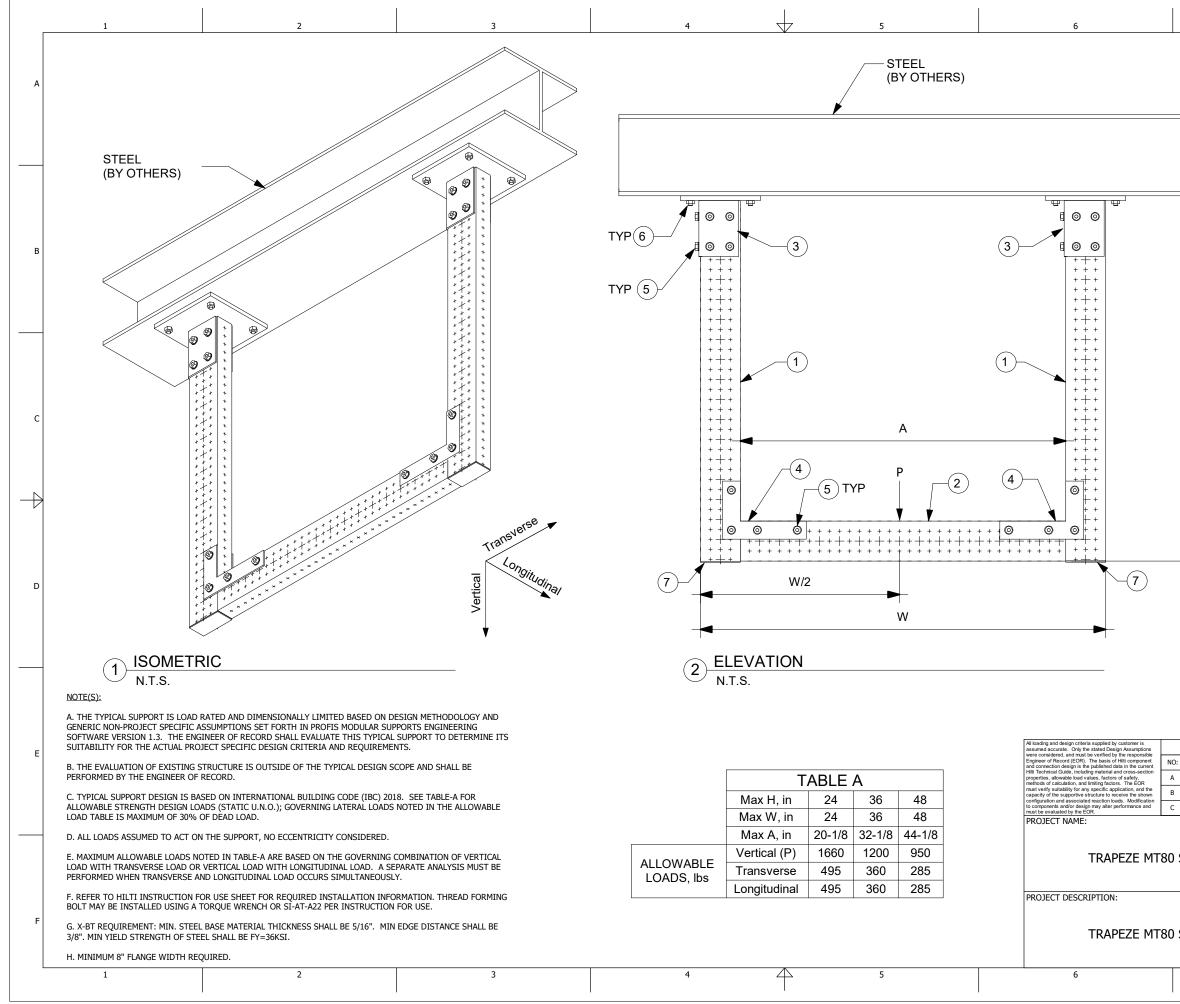
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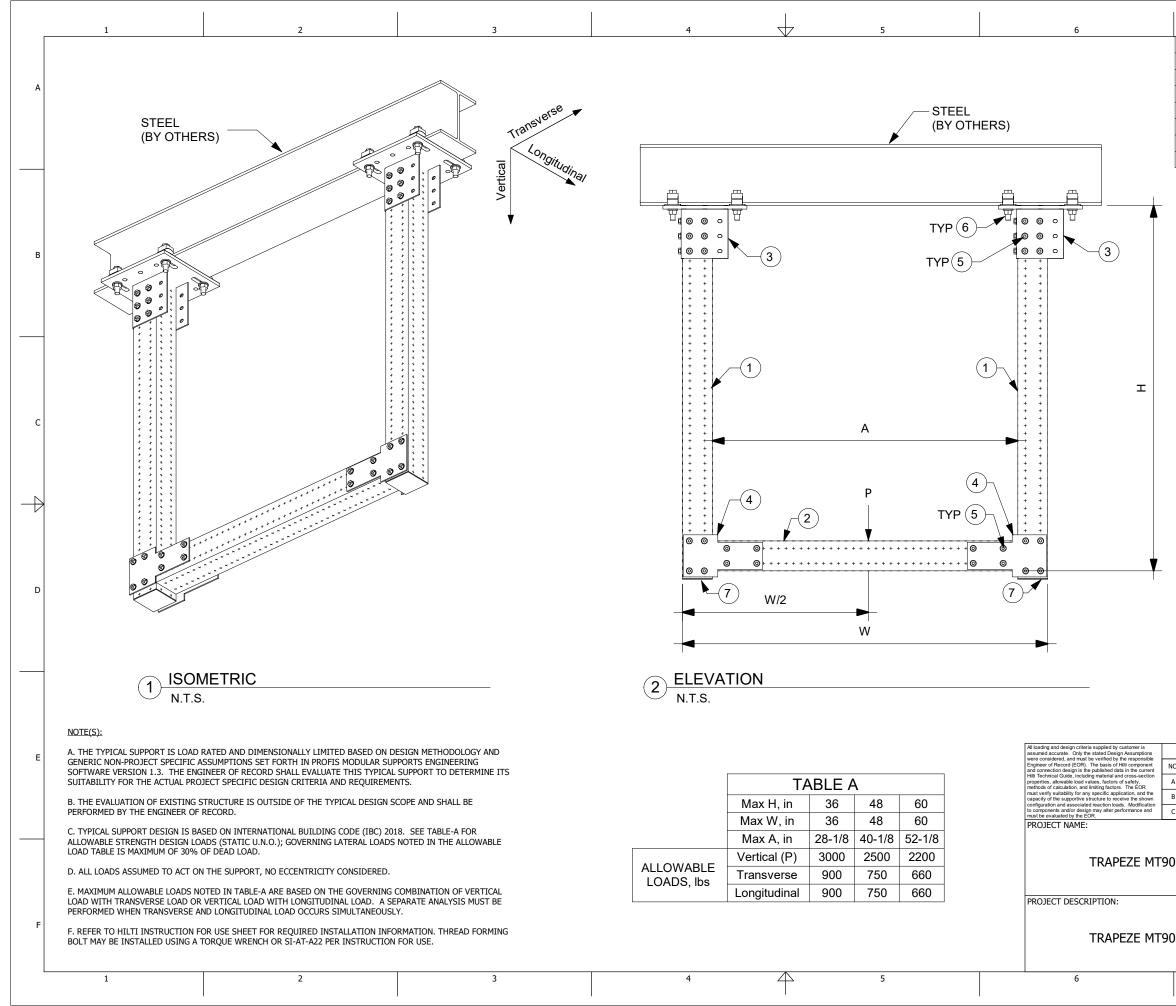




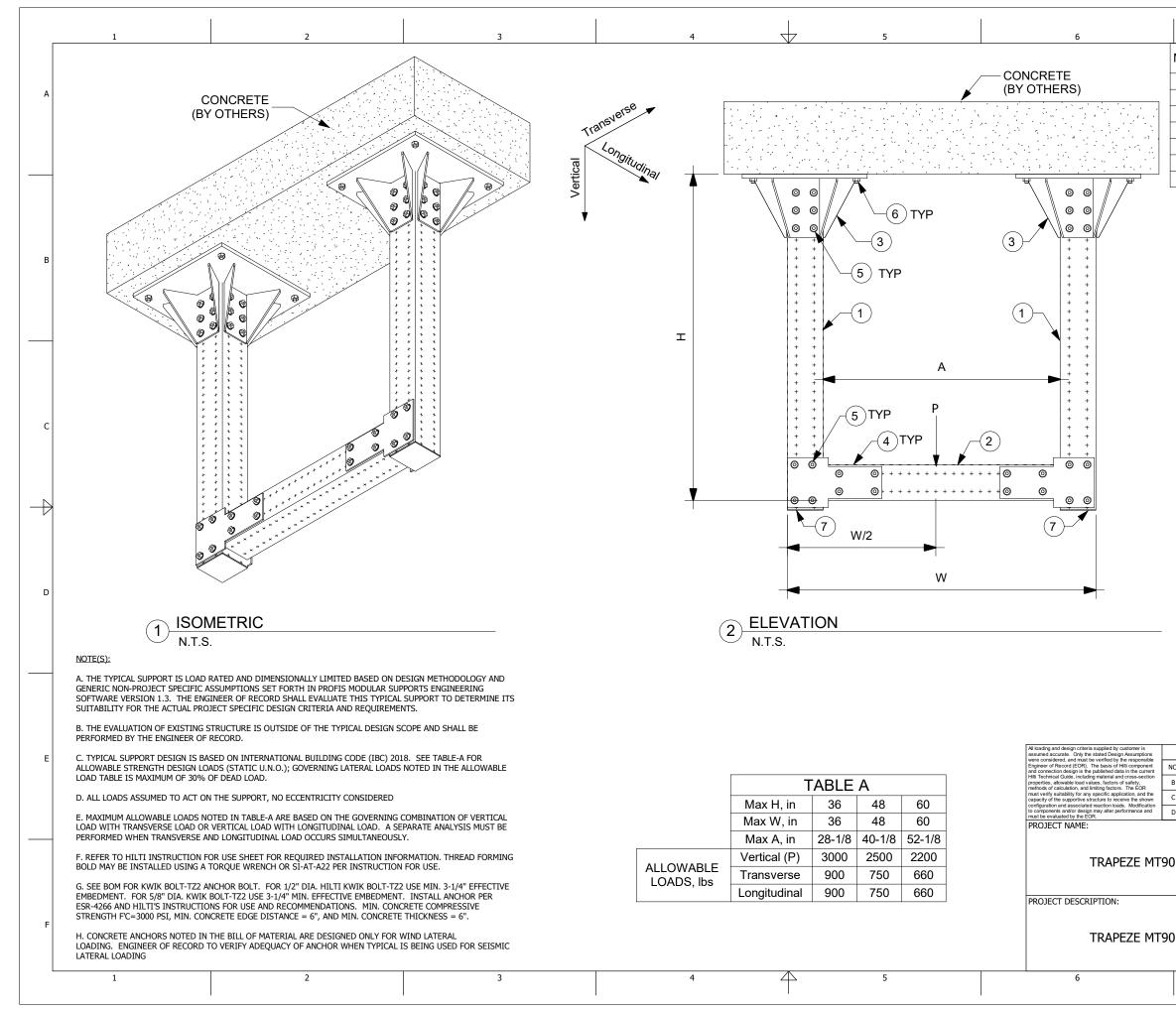
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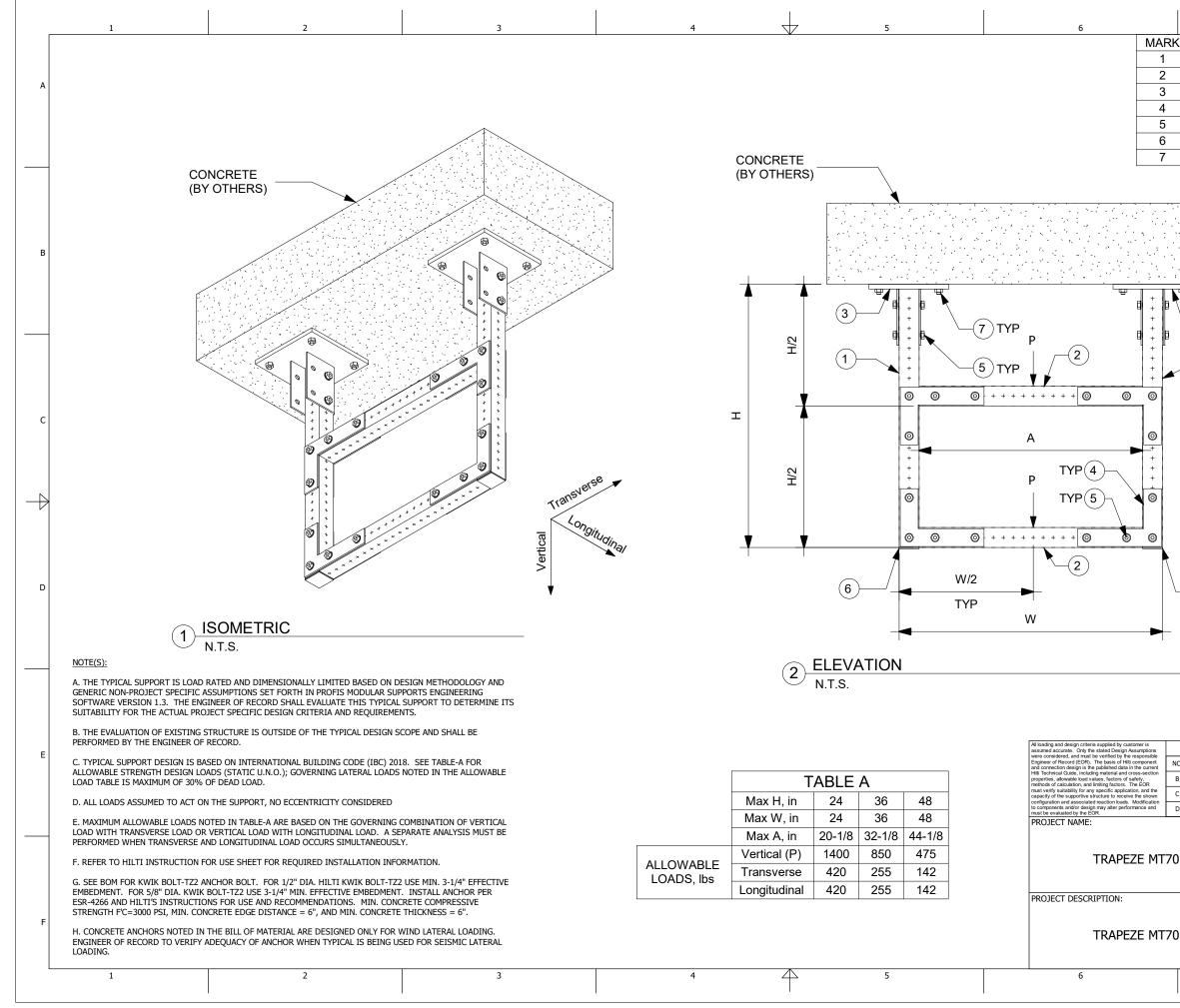
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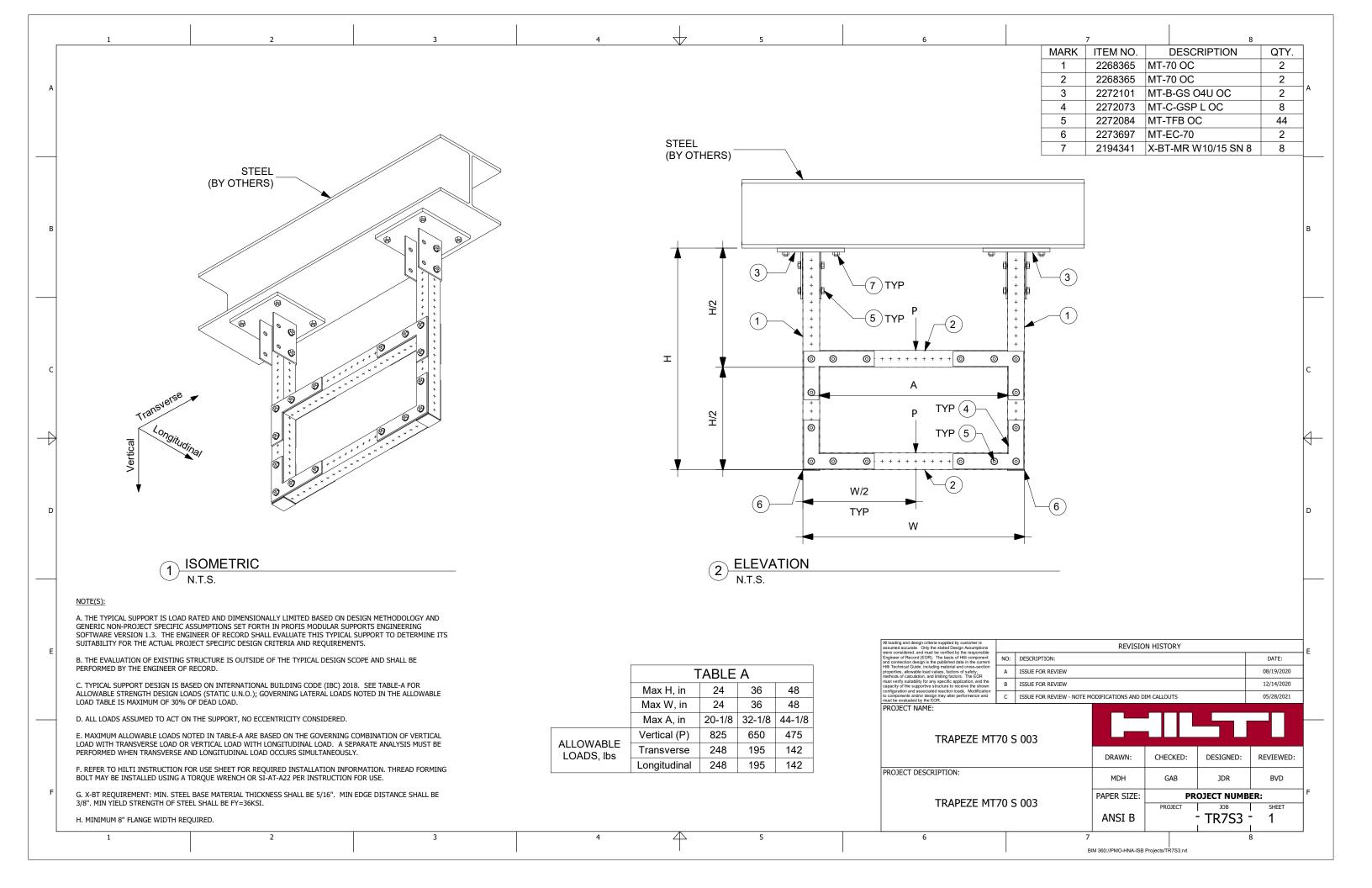
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		MT-90 OC			2			
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		MT-C-GLP			4			
		MT-TFB OC			68			
		MI-SGC M1	6		8			
7	2273699	MT-EC-90			2	<u> </u>		
		MT-B-G2 + 'B'W 1 2.9 to 2 6.5 to 3 9.2 to	/idth 6.5 9.2	- OC Item No. 2272106 2272107 2272108		В		
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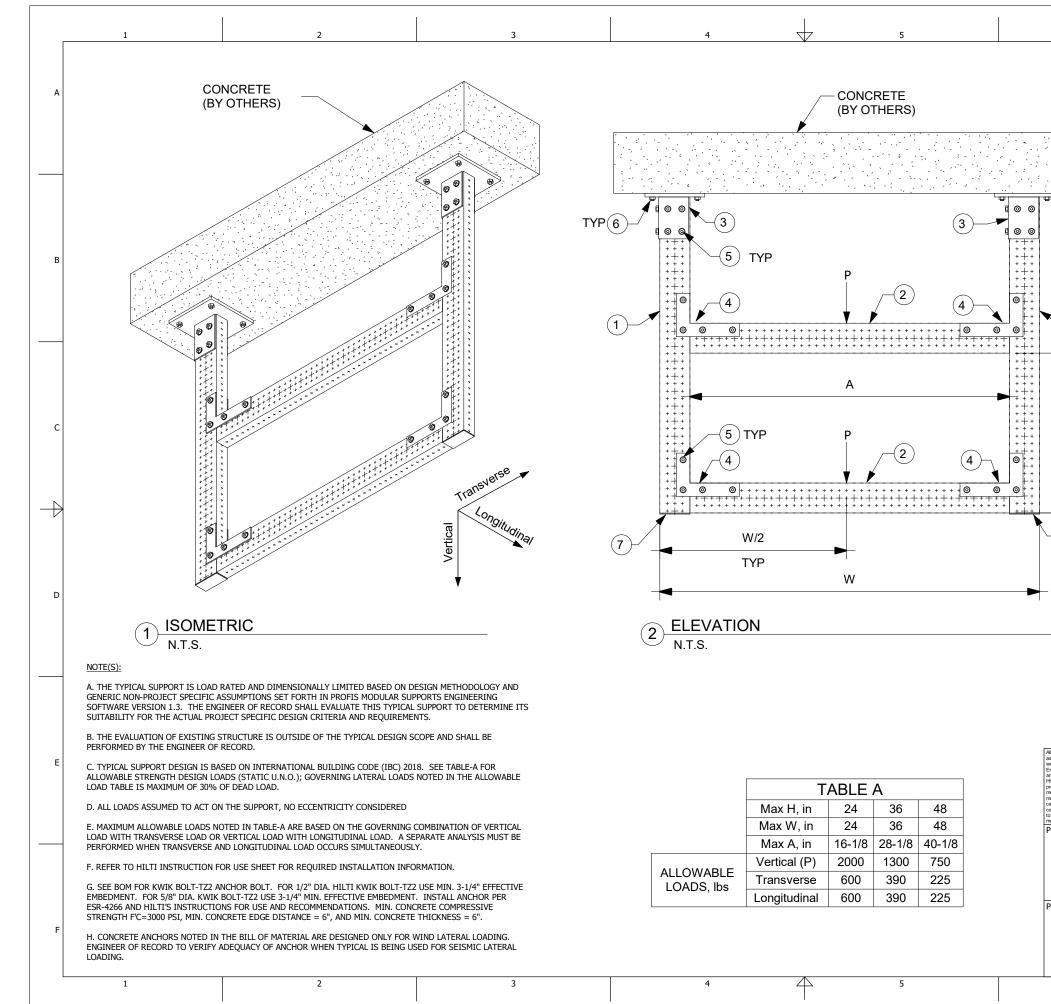


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4 5		MT-C-GLP T	00		80	1
6		ANCHOR KE	3-TZ2 5/8" X	4-3/4" SS3		1
7	2273699		//		2	<b> </b>
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e verified by the res The basis of Hilti co ors of safety, tors. The EOR bility for any specific application, and the PROJECT NAME:

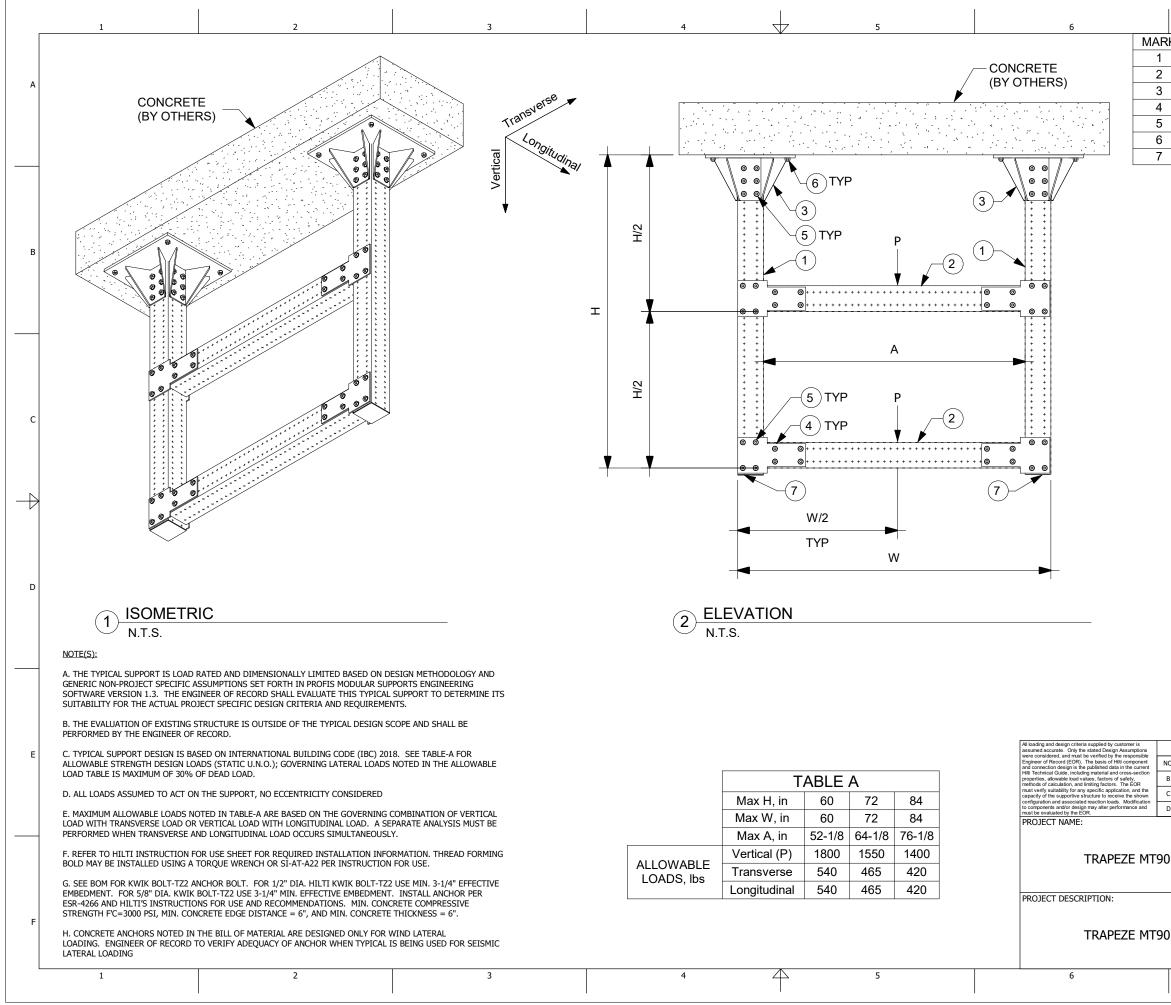
# **TRAPEZE MT80**

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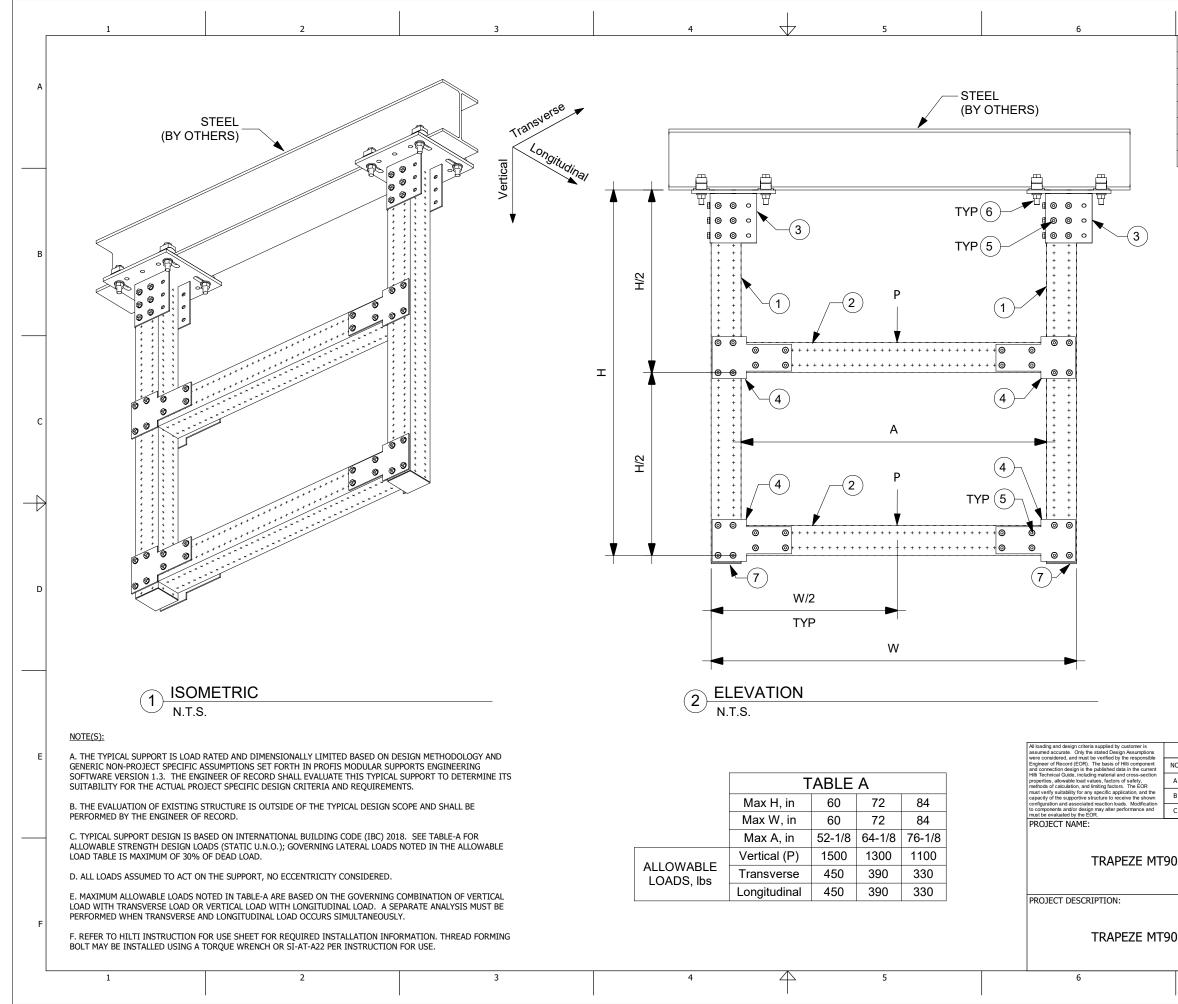
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**TRAPEZE MT80** 

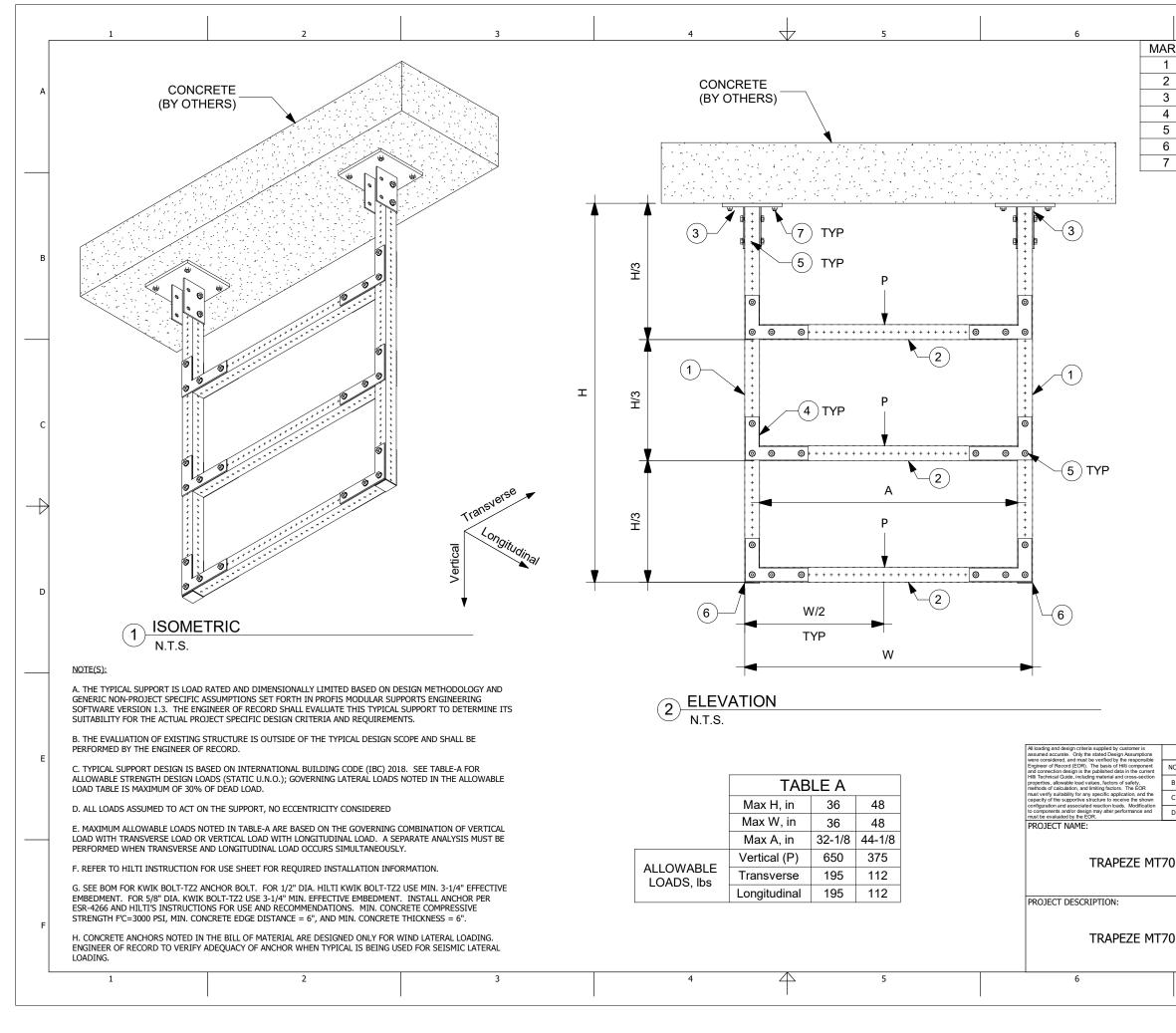
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	1		MT-80 OC			2	
	2		MT-80 OC			2	
	3		MT-B-GS O4			2	A
	4		MT-C-GSP I			8	
	5		MT-TFB OC			52	
	6	2210201	ANCHOR KI SS304	B-TZ2 1/2" >	< 4-1/2"	8	
	7	2273698	MT-EC-80			2	
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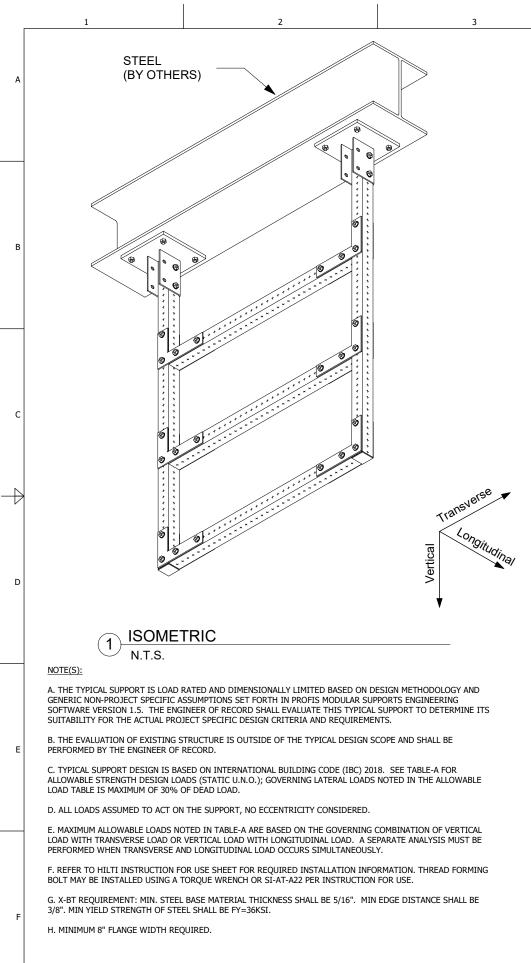
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4 227207		GLP T OC			
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7 227369	99 MT-EC	-90		2	<u> </u>
	+ 1 2 2 6	<b>3-GXL S+</b> 'B' Width 2.9 to 6.5 5.5 to 9.2 .2 to 11.8	- OC Item No. 2272106 2272107 2272108		В
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		/T-TFB OC				60	
		AT-EC-70	<b>TTO</b> 4/4			2	-
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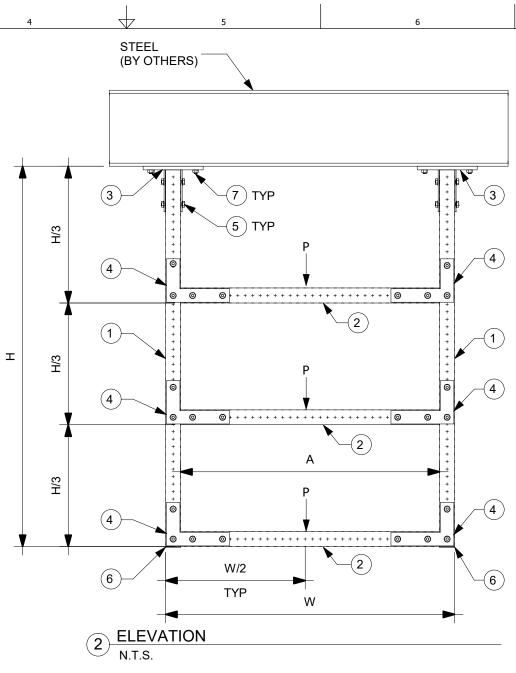
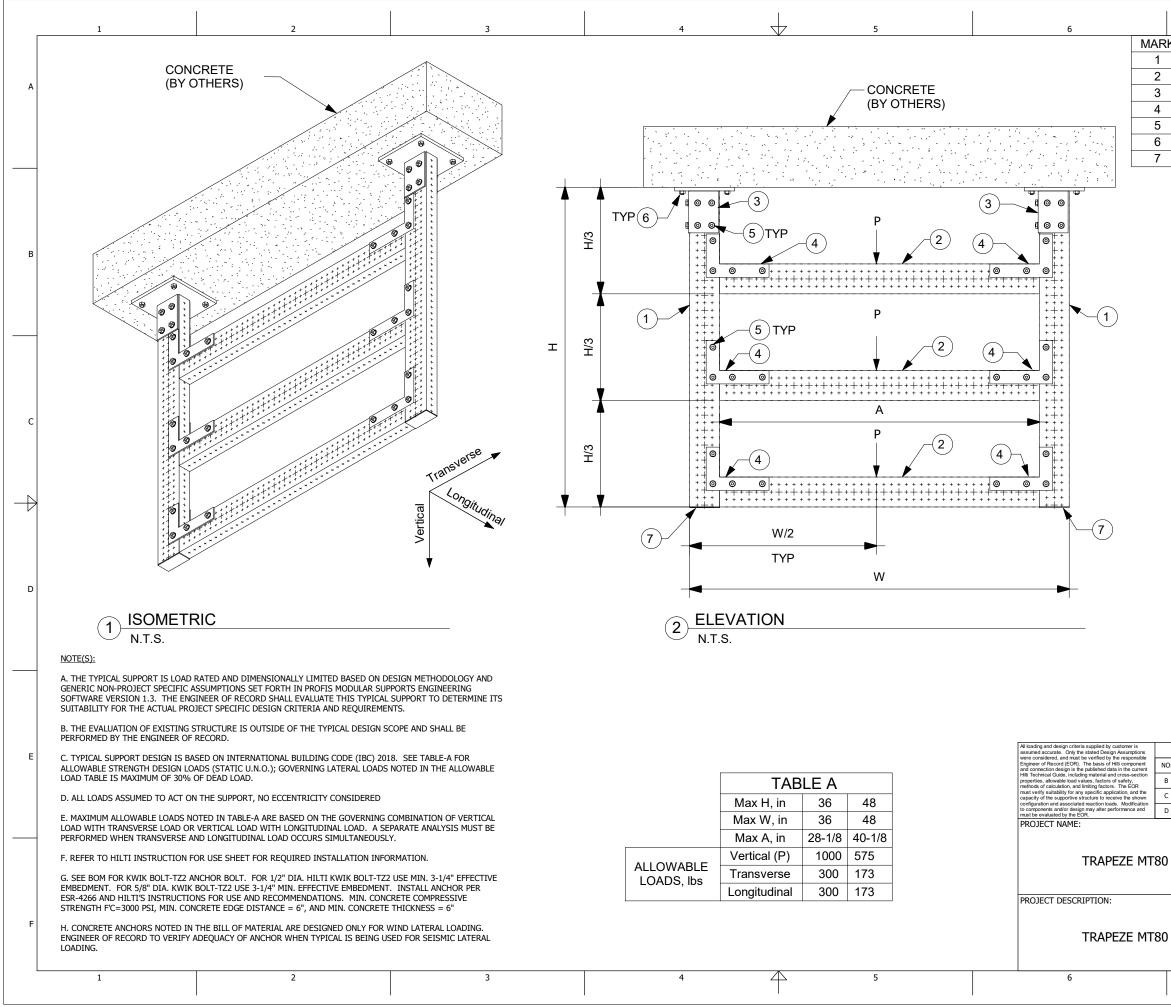


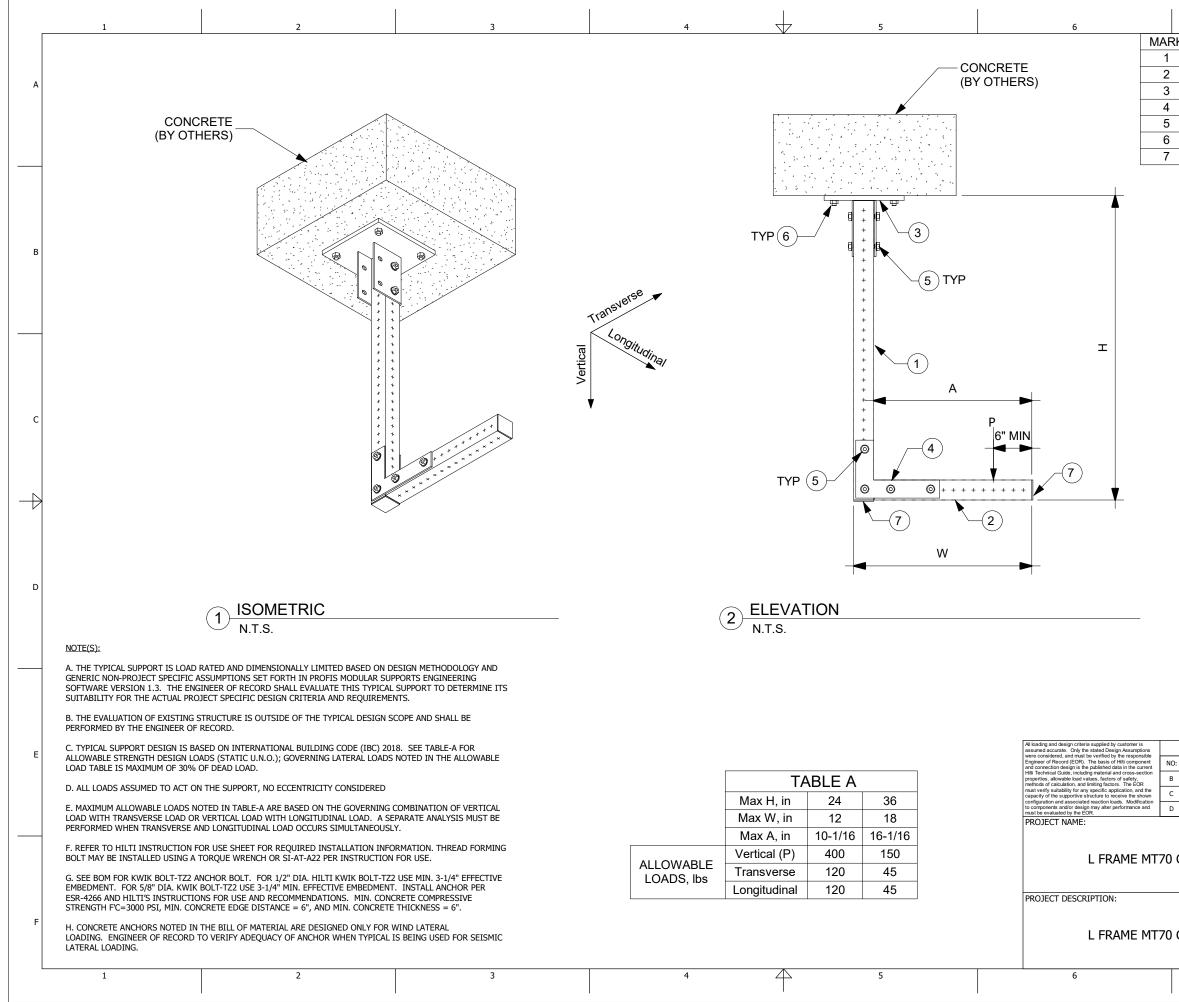
	TABLE A				
	Max H, in	24	36	48	
	Max W, in	36	48		
	Max A, in	20-1/8	32-1/8	44-1/8	
	Vertical (P)	725	550	375	
ALLOWABLE LOADS, lbs	Transverse	218	165	112	
20/100, 103	Longitudinal	218	165	112	

	TRAPEZE MT	10 5	s 004		PROJECT	JOB	SHEET
				PAPER SIZE:	PR	ОЈЕСТ NUMBI	ER:
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city of the supportivi iguration and assoc	e structure to receive the shown iated reaction loads. Modification	B C	ISSUE FOR REVIEW				12/14/2020
erties, allowable loa ods of calculation, a	cluding material and cross-section d values, factors of safety, and limiting factors. The EOR any specific application, and the	А	ISSUE FOR REVIEW				08/19/2020
considered, and m neer of Record (EO	ust be verified by the responsible R). The basis of Hilti component s the published data in the current cluding material and cross-section	NO:	DESCRIPTION:				DATE:
med accurate. Only	iteria supplied by customer is y the stated Design Assumptions			REVISIO	N HISTORY		
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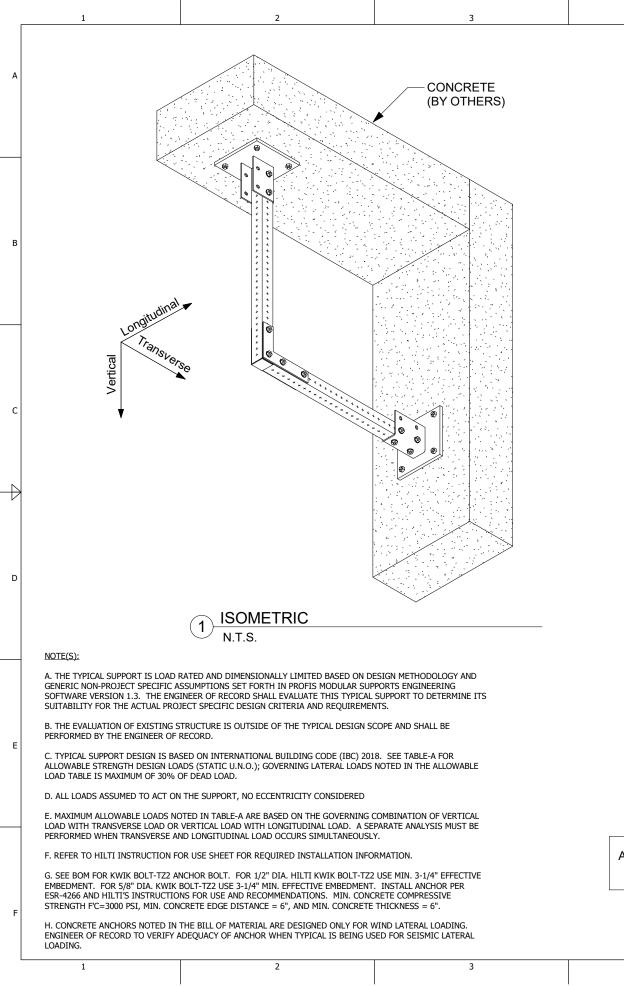


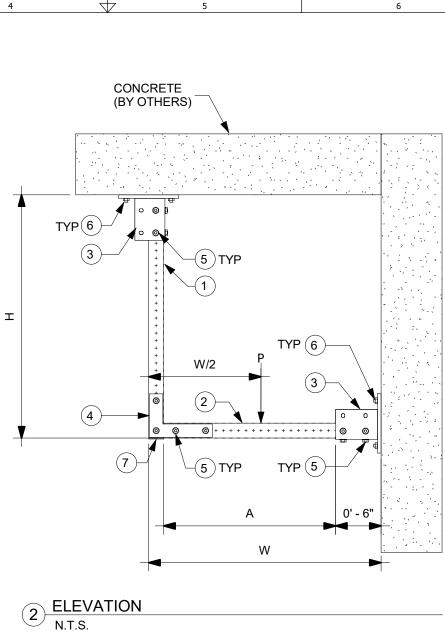
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		MT-80 OC MT-80 OC			2	-
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		MT-C-GSPL			68	
		ANCHOR KB-	-TZ2 1/2" × 4	I-1/2" SS304		-
		MT-EC-80			2	-
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		AT-70 OC			1	А
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						1		MT-70 OC	1
						2		MT-70 OC	1
						3		MT-B-GS O4U OC	1
						4		MT-C-GSP L OC MT-TFB OC	2
						6		X-BT-MR W10/15 SN 8	
						7		MT-EC-70	2
в С D	(BY OTHERS)	Transverse totologilitoring	TYP 6	$ \begin{array}{c}                                     $	T A P 6" MIN F C 2				
	1 ISOMETRIC N.T.S.		2 ELEVATI N.T.S.	ON					
	<u>NOTE(S):</u>		N. I.O.						
-	A. THE TYPICAL SUPPORT IS LOAD RATED AND DIMENSIONALLY LIMITED BASED ON DESIGN METHODOLOGY AND GENERIC NON-PROJECT SPECIFIC ASSUMPTIONS SET FORTH IN PROFIS MODULAR SUPPORTS ENGINEERING SOFTWARE VERSION 1.3. THE ENGINEER OF RECORD SHALL EVALUATE THIS TYPICAL SUPPORT TO DETERMINE ITS SUITABILITY FOR THE ACTUAL PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.			assume	ng and design criteria supplied by customer is d accurate. Only the stated Design Assumptions		REVISIO	N HISTORY	
E	B. THE EVALUATION OF EXISTING STRUCTURE IS OUTSIDE OF THE TYPICAL DESIGN SCOPE AND SHALL BE			were co Enginee and con	nsidered, and must be verified by the responsible r of Record (EOR). The basis of Hilti component nection design is the published data in the current hrical Guide, including material and cross-section	CRIPTION:			DATE:
	PERFORMED BY THE ENGINEER OF RECORD.		TABLE A	properti methods must ve	as, allowable load values, factors of safety, of calculation, and limiting factors. The EOR rify suitability for any specific application, and the	E FOR REVIEW			09/21/2020
	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		Max H, in 24 36	capacity	of the supportive structure to receive the shown D 1550 ation and associated reaction loads. Modification	E FOR REVIEW	E MODIFICATIONS AND D	IM CALLOUTS	12/14/2020
	LOAD TABLE IS MAXIMUM OF 30% OF DEAD LOAD.		Max W, in 12 18		ECT NAME:				
+	D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED.	[	Max A, in 10-1/16 16-1/16						
	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	ALLOWABLE	Vertical (P) 450 150		L FRAME MT70 S 00	1			
	PERFORMED WHEN TRANSVERSE AND LONGITUDINAL LOAD OCCURS SIMULTANEOUSLY.	LOADS, lbs	Transverse 135 45				DRAWN:	CHECKED: DESIGNED:	REVIEWED:
	F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION. THREAD FORMING		Longitudinal 135 45	PRO	IECT DESCRIPTION:				
	BOLT MAY BE INSTALLED USING A TORQUE WRENCH OR SI-AT-A22 PER INSTRUCTION FOR USE.						GAB	IDP JDR	BVD
FI	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.				L FRAME MT70 S 00	1	PAPER SIZE:	PROJECT NUMB	
						-	ANSI B	PROJECT JOB - LF7S1 -	SHEET
	H. MINIMUM 8" FLANGE WIDTH REQUIRED.	4	5		6		7		

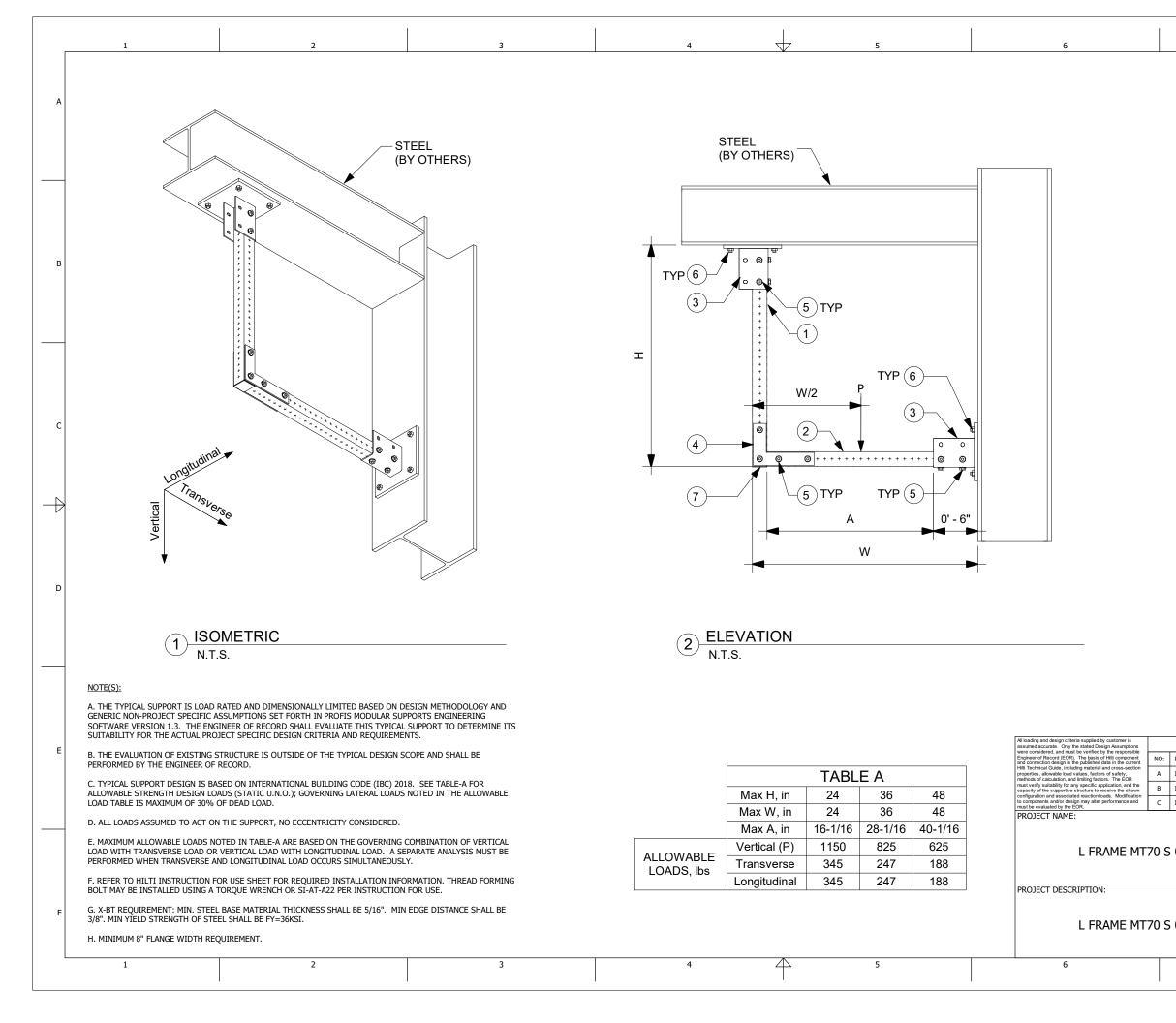




		TABL	ΕA	
	Max H, in	24	36	48
	Max W, in	24	36	48
	Max A, in	16-1/16	28-1/16	40-1/16
	Vertical (P)	1575	1050	800
ALLOWABLE LOADS, lbs	Transverse	472	315	240
20, 20, 100	Longitudinal	472	315	240

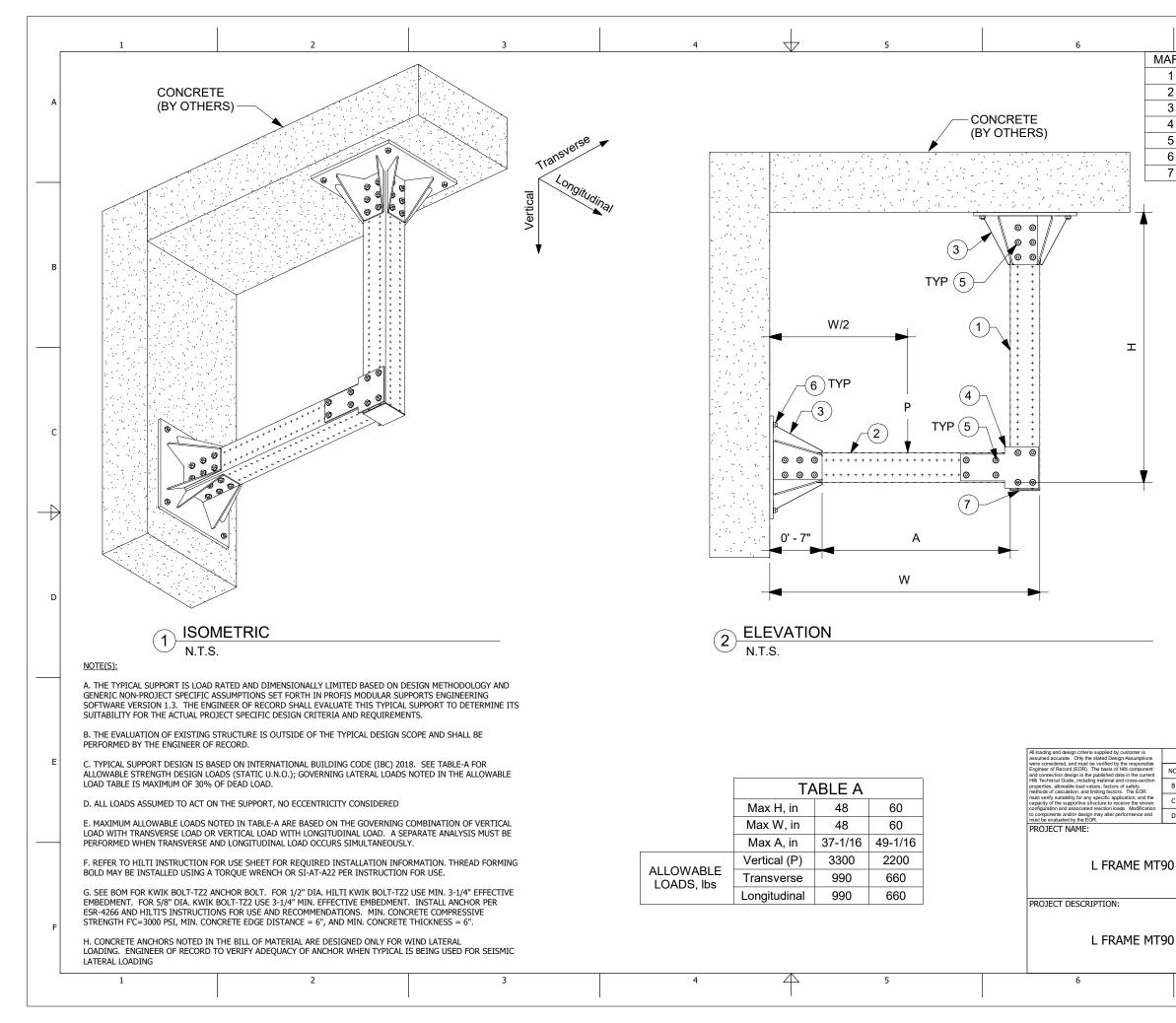
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	1		MT-70 OC			1	
	2		MT-70 OC			1	A
	3	2272101	MT-B-GS O4			2	-
	4	2272073	MT-C-GSP L	OC		2	-
	5	2272084	MT-TFB OC	T70 4/0"	4.4/01 0.000	20	-
	6	2210261	ANCHOR KB	-1Z2 1/2" x	4-1/2" SS30		-
	7	2273697	MT-EC-70				в
<u>. ( ) ( ( , ( , ( , ( , ( , ( , ( , ( , (</u>							D
Al loading and design offeria supplied by oustion assumed accurate. Only the stated Design Assus Engineer of Record (EOR). The basis of Hill cor- Engineer of Record (EOR). The basis of Hill cor- hild Technical Guide, including material and cross operative, allowate load values, factor of safet	mptions ponsible mponent e current s-section tv. B	DESCRIPTION: ISSUE FOR REVIEW - UPD/		N HISTORY		DATE: 03/03/2021	- E
methods of calculation, and limiting factors. The must verify suitability for any specific application, capacity of the supportive structure to receive the	e shown C	ISSUE FOR BU USE				07/06/2021	1
configuration and associated reaction loads. Mo	dification	ANCHOR NOTE AND BOM I	MODIFICATION FOR ANCH	IOR		03/22/2022	
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rraet be evaluated by the EOR PROJECT NAME: L FRAME	E MT70 C	003	GAB	IDP	JDR	BVD	-
PROJECT DESCRIPTION:	E MT70 C			IDP		BVD	- - -

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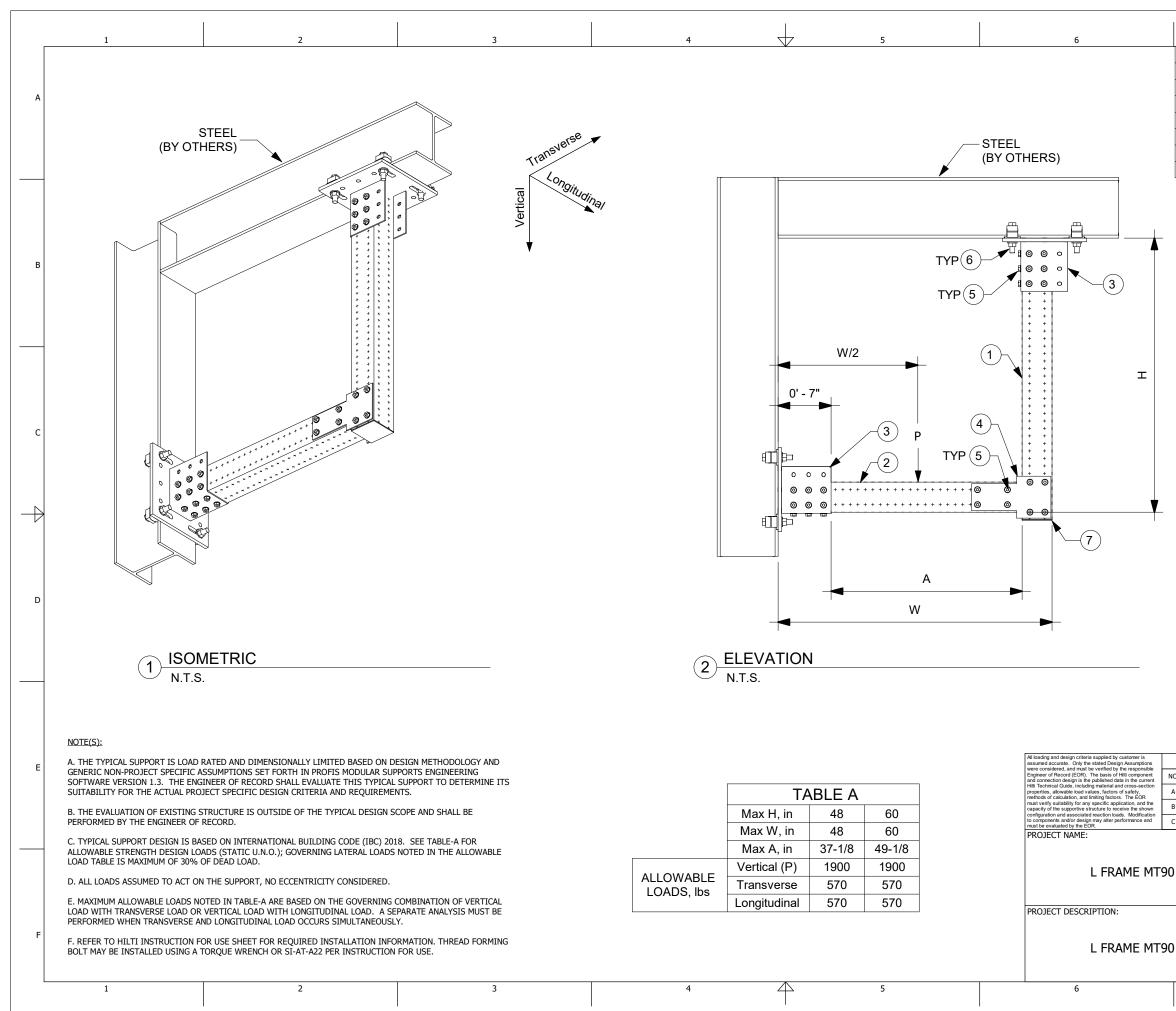


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MARK	ITEM NO.	DESC		<sup>3</sup> QTY.	1
1	2268365	MT-70 OC		1	
2	2268365	MT-70 OC		1	
3	2200303	MT-B-GS C		2	А
4	2272101	MT-C-GSP		2	
5	2272073	MT-TFB O		20	
6	2194341		J V10/15 SN 8		
7			V 10/ 15 SIN C	o o 1	
Ι	2273697	MT-EC-70			
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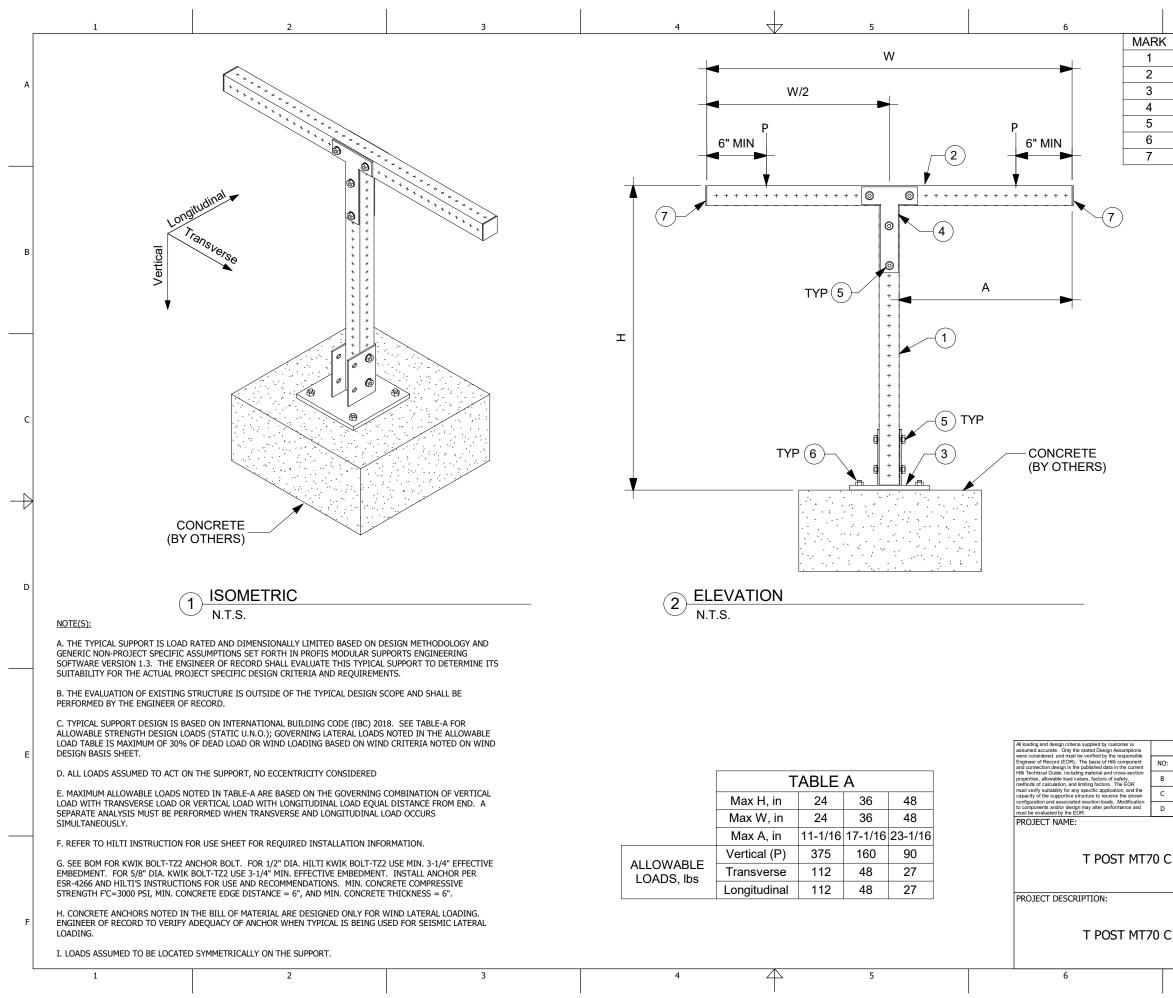
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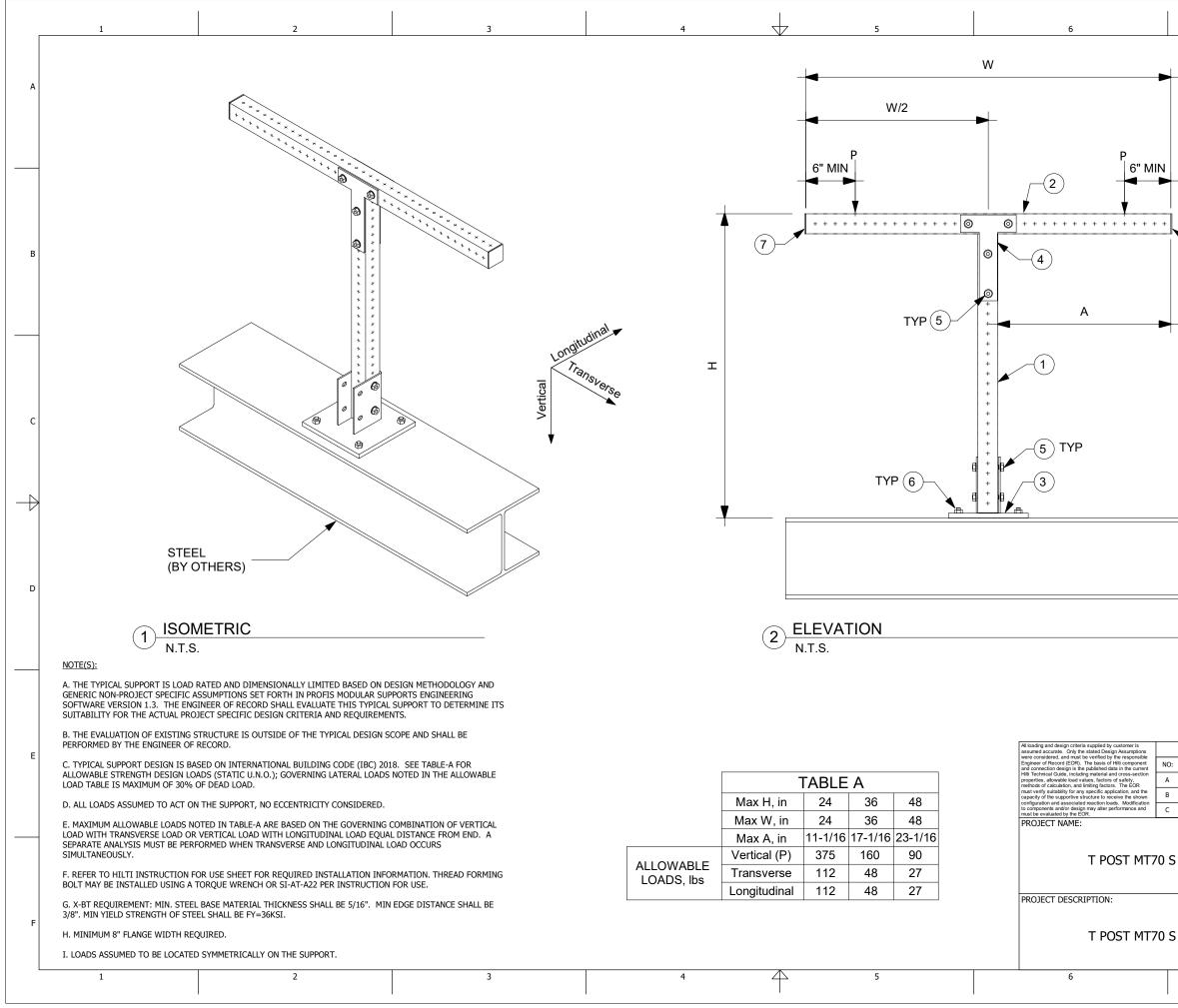
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RK	ITEM NO.	7 DF			<sup>3</sup> QTY.	1
1		MT-90 OC		•	1	-
2		MT-90 OC			1	-
3		MT-B-GL-O4 C	C		2	A
4		MT-C-GLP T C			2	
5		MT-TFB OC	-		64	
6		ANCHOR KB-	TZ2 5/8" X 4	I-3/4" SS304		1
7		MT-EC-90			1	1
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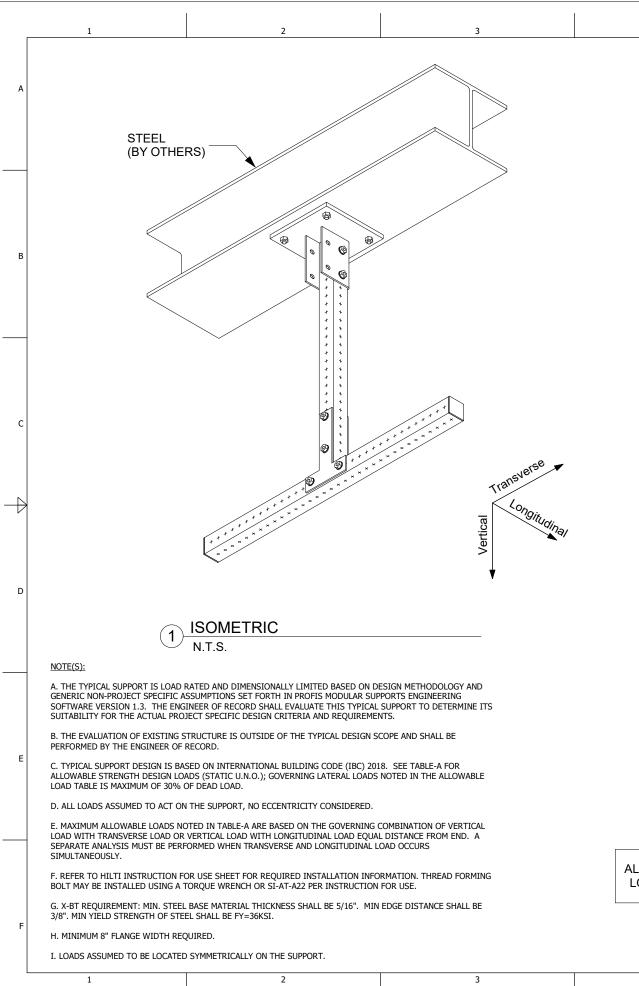
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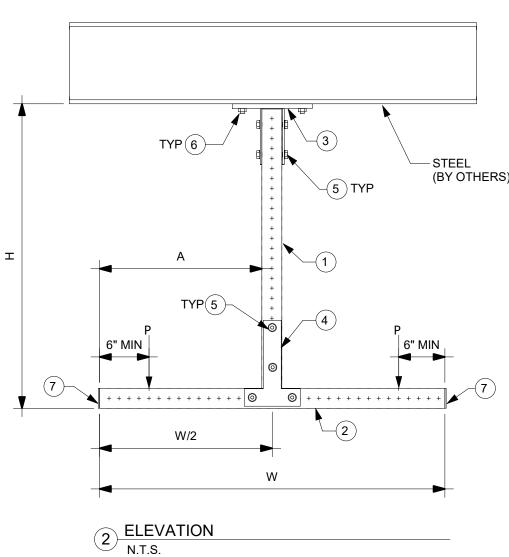


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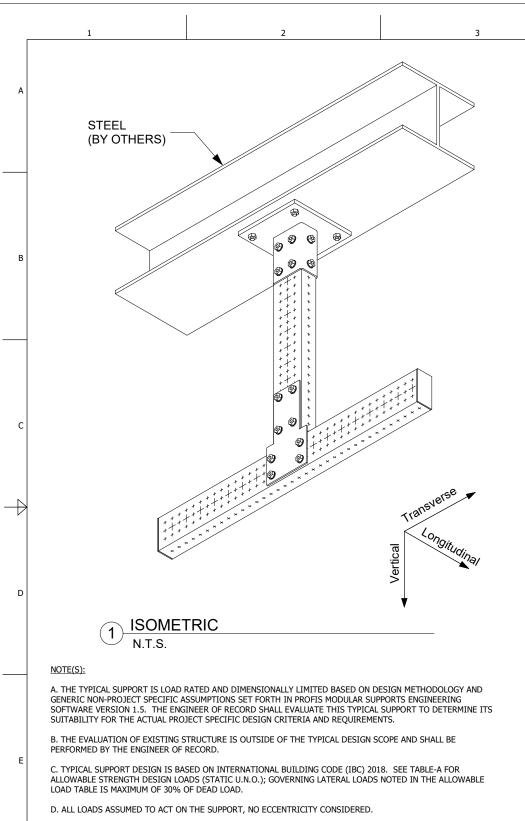




	Т	ABLE	A	
	Max H, in 24 36 48			48
	Max W, in 24 36 48			
	Max A, in	11-1/16	17-1/16	23-1/16
	Vertical (P)	350	160	90
ALLOWABLE LOADS, lbs	Transverse	105	48	27
	Longitudinal	105	48	27

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	1	2268365	MT-70 OC		1	1
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	4	2272074	MT-C-GSP	ТОС	2	1
	5	2272084	MT-TFB OC		14	
	6	2194341	X-BT-MR W		3 4	1
	7	2273697	MT-EC-70		2	
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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.

H. MINIMUM 8" FLANGE WIDTH REQUIRED.

I. LOADS ASSUMED TO BE LOCATED SYMMETRICALLY ON THE SUPPORT.

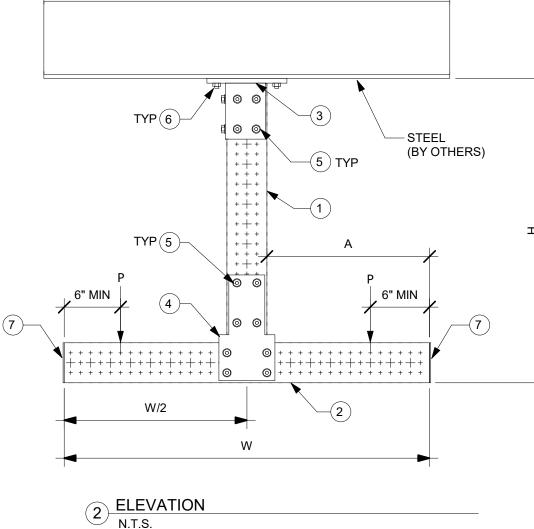


	TABLE A				
	Max H, in	24	36	48	
	Max W, in	24	36	48	
	Max A, in	10-1/16	16-1/16	22-1/16	
	Vertical (P)	425	300	240	
ALLOWABLE LOADS. lbs	Transverse	127	90	72	
20, 20, 100	Longitudinal	127	90	72	

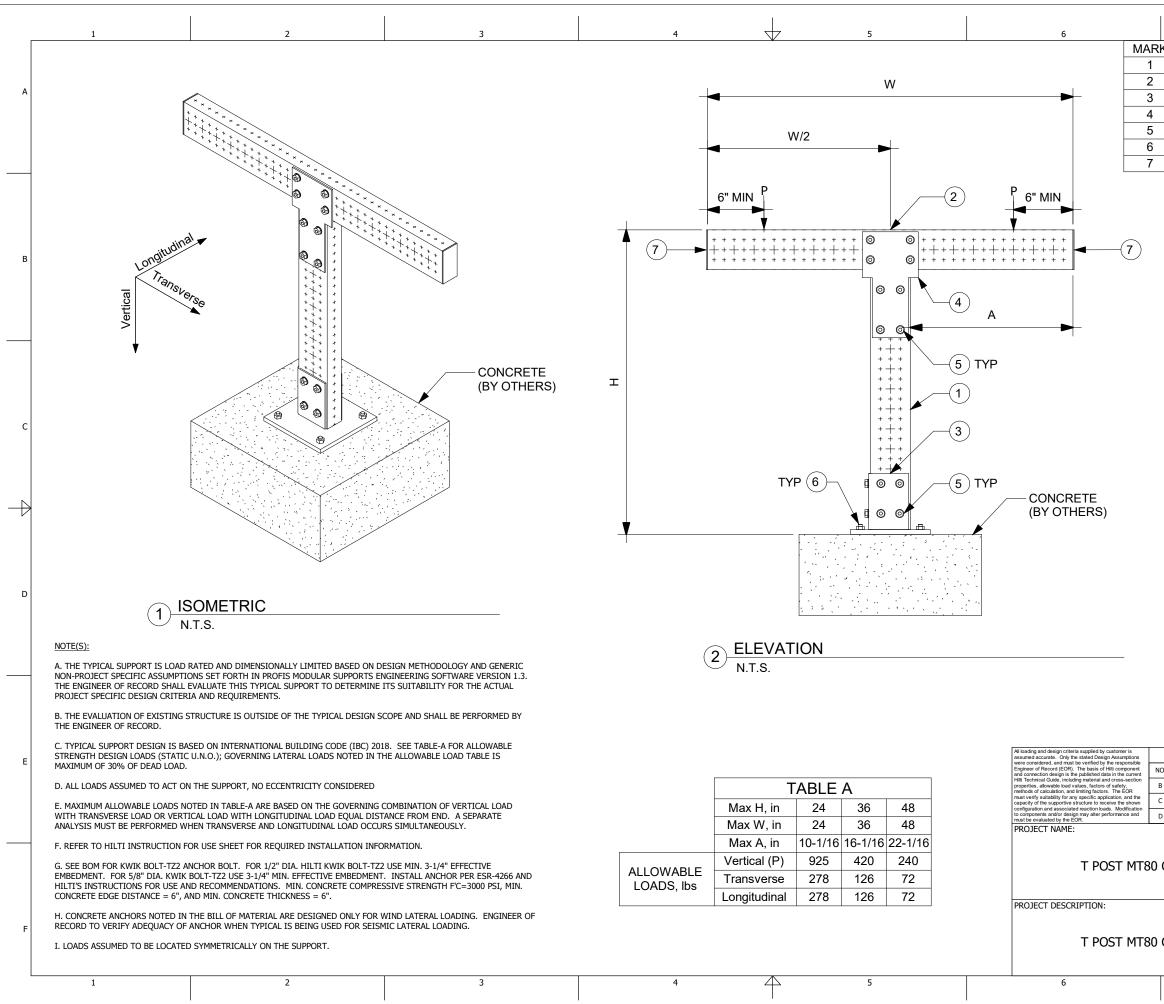
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		3	2200307	MT-B-GS C		1	A
		4					-
			2272075	MT-C-GLP		2	-
		5	2272084	MT-TFB O		26	-
		6	2194341	X-BT-MR V	v10/15 SN 8		1
		7	2273698	MT-EC-80		2	
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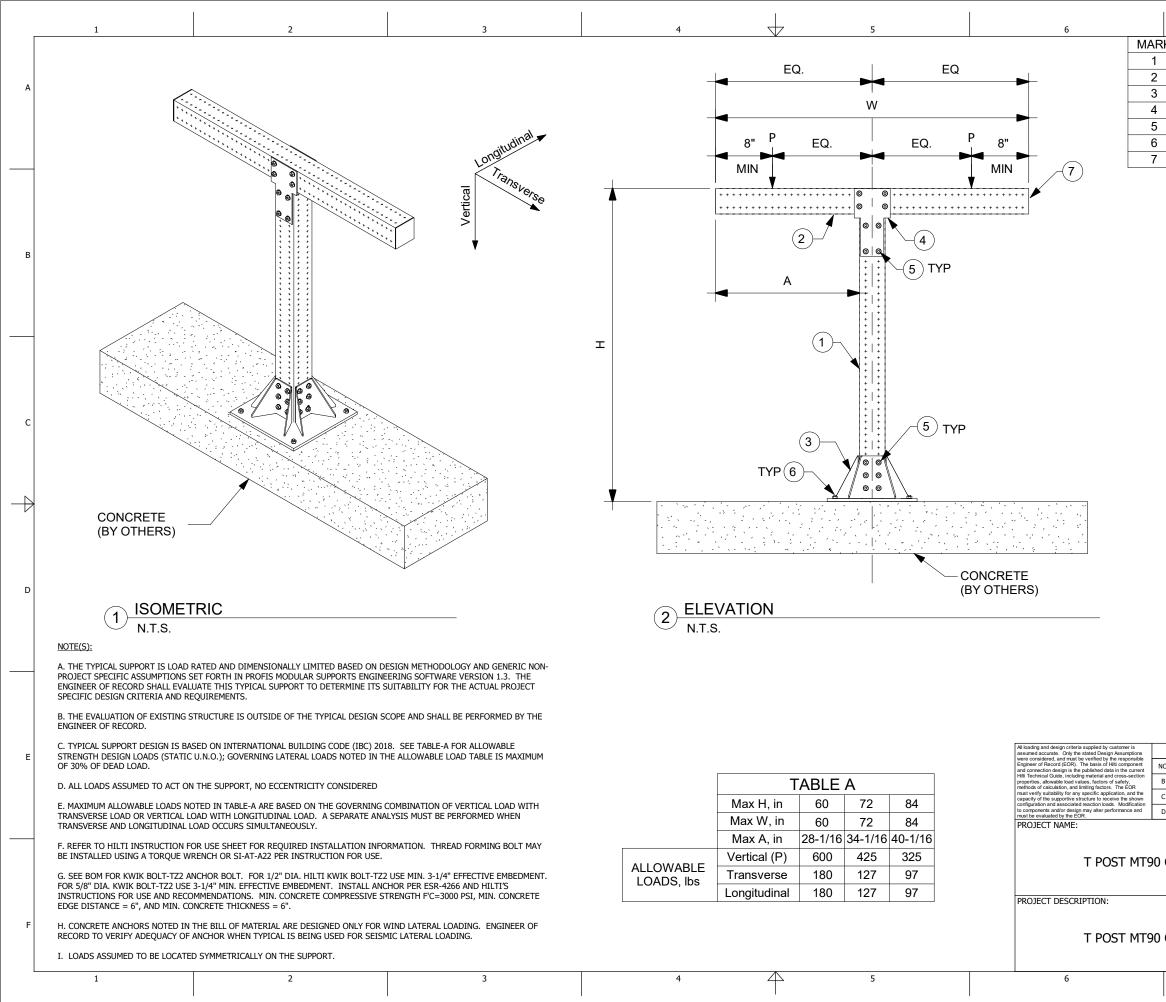
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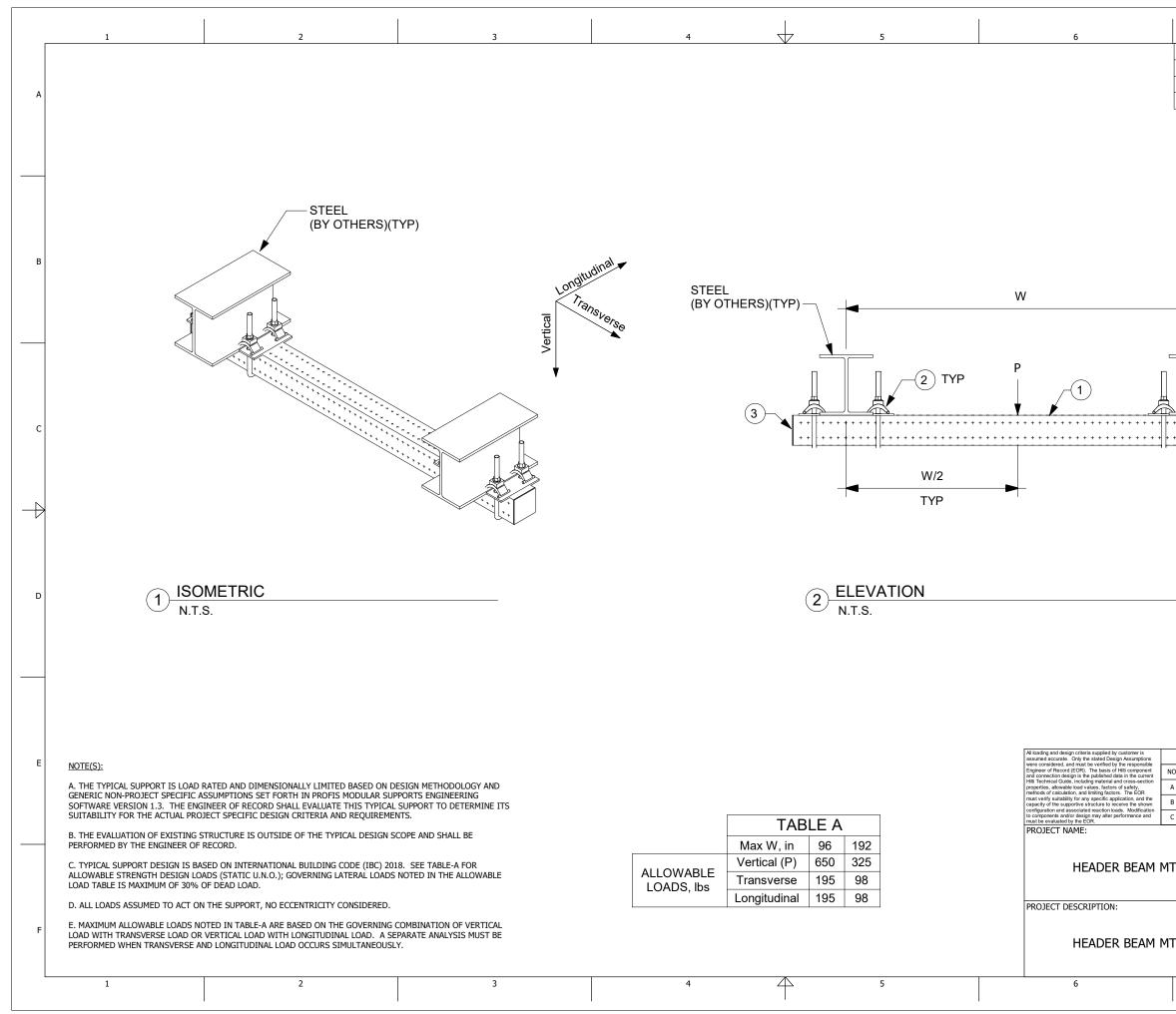


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		MT-D-GC 040			2	1
		MT-TFB OC			26	1
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A. THE GENER SOFTV SUITAI B. THE PERFO C. TYP ALLOW LOAD D. ALL E. MAX LOAD SEPAR SIMUL F. REF	E TYPICAL SUPPORT IS LOAD RAT RIC NON-PROJECT SPECIFIC ASSL WARE VERSION 1.5. THE ENGINE BILITY FOR THE ACTUAL PROJEC E EVALUATION OF EXISTING STRU ORMED BY THE ENGINEER OF REC PICAL SUPPORT DESIGN IS BASED NABLE STRENGTH DESIGN LOADS TABLE IS MAXIMUM OF 30% OF I L LOADS ASSUMED TO ACT ON TH XIMUM ALLOWABLE LOADS NOTE! WITH TRANSVERSE LOAD OR VER ATE ANALYSIS MUST BE PERFORI TANEOUSLY.	MPTIONS SET FORTH IN PROFIS MODULAR S ER OF RECORD SHALL EVALUATE THIS TYPIC IF SPECIFIC DESIGN CRITERIA AND REQUIREN OCTURE IS OUTSIDE OF THE TYPICAL DESIGN ORD. ON INTERNATIONAL BUILDING CODE (IBC) : (STATIC U.N.O.); GOVERNING LATERAL LOA DEAD LOAD. E SUPPORT, NO ECCENTRICITY CONSIDERED D IN TABLE-A ARE BASED ON THE GOVERNIN TTICAL LOAD WITH LONGITUDINAL LOAD EQ	SUPPORTS ENGINEERING CAL SUPPORT TO DETERMINE ITS MENTS. N SCOPE AND SHALL BE 2018. SEE TABLE-A FOR DS NOTED IN THE ALLOWABLE D. NG COMBINATION OF VERTICAL UAL DISTANCE FROM END. A AL LOAD OCCURS		OWABLE ADS, Ibs	Max H, in243648Max W, in243648Max A, in10-1/1616-1/1622-1/16Vertical (P)925425240Transverse27812772	assumed accurate. Only the stated Design Assumptions were considered, and max be variable did by the responsible and convection design is the published data in the current Hill Technical (due), including material and cross-section properties, allowable load values, factors of safety, methods of calculation, and influence and the CPR max verify suitability for any specific application, and the configuration and associated reaction backs. Modification to components and/or design may alter performance and must be evaluated by the ECPR.	ue for review Je for review Je for review - note i			09/21/2020 12/14/2020 05/28/2021
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A. THE GENER SOFTV SUITAI B. THE PERFO C. TYP ALLOW LOAD D. ALL E. MAX LOAD D. ALL E. MAX LOAD SEPAR SIMUL F. REF BOLT I G. X-B' 3/8". N H. MIN	E TYPICAL SUPPORT IS LOAD RAT RIC NON-PROJECT SPECIFIC ASSL WARE VERSION 1.5. THE ENGINE BILITY FOR THE ACTUAL PROJECT E EVALUATION OF EXISTING STRU DRMED BY THE ENGINEER OF REC PICAL SUPPORT DESIGN IS BASED WABLE STRENGTH DESIGN LOADS TABLE IS MAXIMUM OF 30% OF I L LOADS ASSUMED TO ACT ON TH XIMUM ALLOWABLE LOADS NOTE! WITH TRANSVERSE LOAD OR VER VATE ANALYSIS MUST BE PERFORI TANEOUSLY.	MPTIONS SET FORTH IN PROFIS MODULAR S ER OF RECORD SHALL EVALUATE THIS TYPIC IF SPECIFIC DESIGN CRITERIA AND REQUIREN ORTURE IS OUTSIDE OF THE TYPICAL DESIGN ORD. ON INTERNATIONAL BUILDING CODE (IBC) : (STATIC U.N.O.); GOVERNING LATERAL LOAD DEAD LOAD. E SUPPORT, NO ECCENTRICITY CONSIDERED D IN TABLE-A ARE BASED ON THE GOVERNIN RTICAL LOAD WITH LONGITUDINAL LOAD EQ MED WHEN TRANSVERSE AND LONGITUDINA JSE SHEET FOR REQUIRED INSTALLATION IN QUE WRENCH OR SI-AT-A22 PER INSTRUCTION SE MATERIAL THICKNESS SHALL BE 5/16". M HALL BE FY=36KSI.	SUPPORTS ENGINEERING CAL SUPPORT TO DETERMINE ITS MENTS. N SCOPE AND SHALL BE 2018. SEE TABLE-A FOR DS NOTED IN THE ALLOWABLE D. NG COMBINATION OF VERTICAL QUAL DISTANCE FROM END. A ALL LOAD OCCURS NFORMATION. THREAD FORMING ON FOR USE.			Max H, in243648Max W, in243648Max A, in10-1/1616-1/1622-1/16Vertical (P)925425240Transverse27812772	assumed accurate. Only the stated Design Assumptions       assumed accurate. Only the stated Design Assumptions       and connection design is the published data in the current       Hill Technical Guide, including material and cross-sections       protocol       protocol       and connection design is the published data in the current       Hill Technical Guide, including material and cross-sections       mast verify suitability for any specific application, and the       configuration and associated reaction basds. Modifications and motion       to components and/or design may alter performance and       variaties evaluated by the EOR.       PROJECT NAME:	ue for review Ue for review Ue for review - note i	MODIFICATIONS AND DIM CALLOUTS DRAWN: CHECKE MDH IDP	ED: DESIGNED: JDR PROJECT NUMBE	09/21/2020 12/14/2020 05/28/2021 REVIEWED BVD



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