1	2	3	4	\downarrow	5	6				7		8
					BRACKET MT-BR	-30 300 (12)			E	BRACKET MT-BR-30	450 (18)	
				MARK ITEM NO.	DES	CRIPTION	QTY.	MARK	ITEM NO.	DESCR	IPTION	QTY.
				1 2271288	Bracket MT-BR-30	300	1	1	2271440 E	Bracket MT-BR-30 450	2	1
				2 2210254	STUD ANCHOR K	B-TZ2 1/2x3 3/4	2	2	2210254	STUD ANCHOR KB-T	Z2 1/2x3 3/4	2
				3 2273642	Channel end cap N	/T-EC-30	2	3	2273642	Channel end cap MT-E	EC-30	2
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NOTE(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 VERSION 1.6.1. 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 THE AISI S100-16 METHODOLOGY. SEE TABLE-A AND TABLE-B FOR ALLOWABLE STRENGTH DESIGN LOAD (STATIC U.N.O.). TABLE-A SHOWS ALLOWABLE LOADING FOR BEAM COMPLETELY BRACED AGAINST LATERAL TORSIONAL BUCKLING AND NO REDUCTION IN ALLOWABLE LOAD DECULTED. TABLE & SHOWS DEDUCTOR ALL OWABLE LOADING FOR BEAM CONSIDERING NO REDUCTION IS DECULTED.	TAB	LE A	
TO AVOID LATERAL TORSIONAL BUCKLING.	Max W, in	12	18
D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED ALLOWABLE LOADS	lbs Vertical (P)	100	65
E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON GRAVITY LOAD ONLY.			
F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION.			
G. SEE BOM FOR KB-TZ2 ANCHOR BOLT. FOR 1/2" DIA. HILTI KB-TZ2 USE MIN. 2" EFFECTIVE EMBEDMENT.	TAB	LE B	
INSTALL ANCHOR PER ESR-4266 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. MIN. CONCRETE	Max W, in	12	18
ALLOWABLE LOADS	lbs Vertical (P)	100	65
H. FOR ALTERINATE ANCHOR SOLUTIONS, CONTACT HILTI.			

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BRACKET CANTI

TABL	E B		PROJECT DESCRIPTION:
ax W, in	12	18	
rtical (P)	100	65	BRACKET CANTIL

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ANTILE	VER	R MT-BR-30		PROJECT	JOB	SHFFT		
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ANTILE	VER	R MT-BR-30						
normance and								
eive the shown ds. Modification	D	RE-ISSUE FOR BU USE (UPDATE	D NOTES, TABLES)			03/22/2022	CWH	
. The EOR cation, and the	C	RE-ISSUE FOR BU USE (UPDATE	D NOTES, BOM)			01/05/2022	CWH	
d cross-section of safety,	В	ISSUED FOR BU USE				10/29/2021	CWH	
ta in the current	A	ISSUED FOR REVIEW				09/14/2021	CWH	1
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		BRACKET MT-BR-40 300 (12)				BRACKET MT-BR	-40 450 (18)				BRACKET MT-BR-40 600 (24)				BRACKET MT-BR-40	1000 (40)	
MARK	ITEM NO.	DESCRIPTION	QTY.	MARK	ITEM NO.	DES	CRIPTION	QTY.	MARK	ITEM NO.	DESCRIPTION	QTY	MARK	ITEM NO.	DESCF	RIPTION	QTY.
1	2271442	Bracket MT-BR-40 300	1	1	2271444	Bracket MT-BR-40	450	1	1	2271451	Bracket MT-BR-40 600	1	1	2271446	Bracket MT-BR-40 1	000	1
2	2210254	STUD ANCHOR KB-TZ2 1/2x3 3/4	2	2	2210254	STUD ANCHOR K	(B-TZ2 1/2x3 3/4	2	2	2210254	STUD ANCHOR KB-TZ2 1/2x3 3/4	2	2	2210254	STUD ANCHOR KB-	TZ2 1/2x3 3/4	2
3	2273643	Channel End Cap MT-EC-40/50	1	3	2273643	Channel End Cap	MT-EC-40/50	1	3	2273643	Channel End Cap MT-EC-40/50	1	3	2273643	Channel End Cap M	T-EC-40/50	1





NOTE(S):

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D

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 1.6.1. 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 THE AISI S100-16 METHODOLOGY. SEE TABLE-A AND TABLE-B FOR ALLOWABLE STRENGTH DESIGN LOAD (STATIC U.N.O.). TABLE-A SHOWS ALLOWABLE LOADING FOR BEAM COMPLETELY BRACED AGAINST LATERAL TORSIONAL BUCKLING AND NO REDUCTION IN ALLOWABLE LOAD REQUIRED. TABLE-B SHOWS REDUCDED ALLOWABLE LOADING FOR BEAM CONSIDERING NO BRACING IS PROVIDED TO AVOID LATERAL TORSIONAL BUCKLING.

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

E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON GRAVITY LOAD ONLY.

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

G. SEE BOM FOR KB-T22 ANCHOR BOLT. FOR 1/2" DIA. HILTI KB-T22 USE MIN. 2" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-4266 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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H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.





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		TABL	ΕA			
	Max W, in	12	18	24	40	
ALLOWABLE LOADS, lbs	Vertical (P)	455	285	210	60	

uated by the EOR. ECT NAME:

BRACKET CANTI

		TABL	PROJECT DESCRIPTION:			
	Max W, in	12	18	24	40	
ALLOWABLE LOADS, lbs	Vertical (P)	455	285	210	60	BRACKET CA

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BRACKET CANTI

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ion	В	ISSUED FOR BU USE				10/29/2021	CWH			
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					BRACKET MT-BR-40 O4 600			BRACKET MT-BR-40 O4 1000	
				MARK ITEM NO	DESCRIPTION	TY.	MARK ITEM NO.	DESCRIPTION	QTY.
				1 2271455	Bracket MT-BR-40 O4 600 OC	1	1 2271456	Bracket MT-BR-40 O4 1000 O	C 1
				2 2210260	STUD ANCHOR KB-TZ2 1/2x3 3/4 SS304	4	2 2210260	STUD ANCHOR KB-TZ2 1/2x3	3/4 SS304 4
				3 2273643	Channel End Cap MT-EC-40/50	1	3 2273643	Channel End Cap MT-EC-40/5	50 1







NOTE(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 VERSION 1.6.1. 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	ALLOWABLE LOAD
E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON GRAVITY LOAD ONLY.	
F. REFER TO HILTI INSTRUCTION FOR USE SHEET FOR REQUIRED INSTALLATION INFORMATION.	
G. SEE BOM FOR KB-TZ2 ANCHOR BOLT. FOR 1/2" DIA. HILTI KB-TZ2 USE MIN. 2" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-4266 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 FOR ALTERNATE ANCHOR SOLUTIONS CONTACT HILTI	ALLOWABLE LOAD

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H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

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	TABI	ΕA				
	Max W, in 24 40					
ALLOWABLE LOADS, lbs	Vertical (P)	215	60			

verify suitability for any specific app city of the supportive structure to re city of the supp configuration and associated reaction loads, to components and/or design may alter performust be evaluated by the EOR. PROJECT NAME:

BRACKET CANTILE

	TABI	E B	PROJECT DESCRIPTION:	
	Max W, in	24	40	
ABLE LOADS, Ibs	Vertical (P)	215	60	BRACKET CANT

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BRACKET CANTILE

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					BRACKET MT-BR-40D 600 (24)				В	RACKET MT-BR-40D 1000 (40)		
				MARK	ITEM NO.	DE	SCRIPTION	QTY.	MARK	ITEM NO.	DESCRIPTION	QTY.
				1	2271448	Bracket MT-BR-	40D 600	1	1	2271450	Bracket MT-BR-40D 1000	1
				2	2210254	STUD ANCHOR	RKB-TZ2 1/2x3 3/4	2	2	2210254	STUD ANCHOR KB-TZ2 1/2x3	3/4 2
				3	2273643	Channel End Ca	ap MT-EC-40/50	2	3	2273643	Channel End Cap MT-EC-40/50	2







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.

ITS SUITABILITY FOR THE ACTUAL PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.

C. TYPICAL SUPPORT DESIGN IS BASED ON THE AISI S100-16 METHODOLOGY. SEE TABLE-A AND TABLE-B FOR ALLOWABLE STRENGTH DESIGN LOAD (STATIC U.N.O.). TABLE-A SHOWS ALLOWABLE LOADING FOR BEAM COMPLETELY BRACED AGAINST LATERAL TORSIONAL BUCKLING AND NO REDUCTION IN ALLOWABLE LOAD REQUIRED. TABLE-B SHOWS REDUCDED ALLOWABLE LOADING FOR BEAM CONSIDERING NO BRACING IS PROVIDED TO AVOID LATERAL TORSIONAL BUCKLING.

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G. SEE BOM FOR KB-T22 ANCHOR BOLT. FOR 1/2" DIA. HILTI KB-T22 USE MIN. 2" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-4266 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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H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

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	TABI	TABLE A							
	Max W, in	24	40						
ALLOWABLE LOADS, lbs	Vertical (P)	350	220						

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ding and design criteria supplied ned accurate. Only the stated De onsidered, and must be verified by the resp er of Record (EOR). The basis of Hilti com methods of calculation, and limiting factors. must verify suitability for any specific applica capacity of the supportive structure to receiv configuration and associated reaction loads. to components and/or design may alter perform must be evaluated by the EOR. PROJECT NAME:

BRACKET CANTIL

	TABI	LE B	PROJECT DESCRIPTION:	
	Max W, in	24	40	
ALLOWABLE LOADS, lbs	Vertical (P)	350	220	BRACKET CA

BRACKET CANTIL

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			BR	KET MT-BR-40D O4 600 (24)		BRACKET MT-BR-40D O4 1000 (40)				BRACKET MT-BR-40D O4 1500 (59)			
Δ			MARK ITEM NO.	DESCRIPTION	QTY.	MARK	ITEM NO.	DESCRIPTION	QTY.	MARK	ITEM NO.	DESCRIPTION	QTY.
			1 2271459	Bracket MT-BR-40D O4 600 OC	1	1	2271461	Bracket MT-BR-40D O4 1000 OC	1	1	2271287 B	racket MT-BR-40D O4 1500 OC	1
			2 2210260	STUD ANCHOR KB-TZ2 1/2x3 3/4 SS304	4	2	2210260	STUD ANCHOR KB-TZ2 1/2x3 3/4 SS304	4	2	2210260 S	TUD ANCHOR KB-TZ2 1/2x3 3/4 SS3	304 4
			3 2273643	Channel End Cap MT-EC-40/50	2	3	2273643	Channel End Cap MT-EC-40/50	2	3	2273643 C	hannel End Cap MT-EC-40/50	2







NOTE(S):

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D

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 1.6.1. 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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G. SEE BOM FOR KB-T22 ANCHOR BOLT. FOR 1/2" DIA. HILTI KB-T22 USE MIN. 2" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-4266 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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H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

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	TABLE A							
	40	59						
ALLOWABLE LOADS, lbs	Vertical (P)	455	260	120				

methods of calculation, and imiting factors. To must verify suitability for any specific applical capacity of the supportive structure to receiv. configuration and associated reaction loads. to components and/or design may alter perfor must be evaluated by the EOR. PROJECT NAME:

BRACKET CANTILE

	TABLE B							
	Max W, in	24	40	59				
ALLOWABLE LOADS, lbs	Vertical (P)	455	235	120				

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BRACKET CANTILEV

PROJECT DESCRIPTION:

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TO AVOID LATERAL TORSIONAL BUCKLING.

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

E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON GRAVITY LOAD ONLY.

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

G. SEE BOM FOR KB-TZ2 ANCHOR BOLT AND KCC-WF ANCHOR. FOR 3/8" DIA. HILTI KB-TZ2 USE MIN. 2" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-4266 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. FOR 3/8" DIA KCC-WF USE MIN. 1.63" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-4145 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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H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

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ALLOWABLE LOADS, Ibs Vertical (P)

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NOTE(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 VERSION 1.6.1. 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 GRAVITY LOAD ONLY.

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

G. FOR ALTERNATE SOLUTIONS TO ATTACH TO STEEL, CONTACT HILTI.



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			TRAPEZ	E MT15 S1]
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	1	2268493	Channel M	T-15			1	
	2	257964	Threaded roc	zinc 3/8" x	6' 25 pk		2	-
	3	306600 I	Beam clamp	BC-EG 3/8"	1		2	-
	4	411752 I	Hexagon nut	zinc 3/8"			4	-
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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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H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

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W, in

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ALLOWABLE LOADS, Ibs Vertical (P) 250

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NOTE(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 VERSION 1.6.1. 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 THE AISI S100-16 METHODOLOGY. SEE TABLE-A AND TABLE-B FOR ALLOWABLE STRENGTH DESIGN LOAD (STATIC U.N.O.). TABLE-A SHOWS ALLOWABLE LOADING FOR BEAM COMPLETELY BRACED AGAINST LATERAL TORSIONAL BUCKLING AND NO REDUCTION IN ALLOWABLE LOAD REQUIRED. TABLE-B SHOWS REDUCDED ALLOWABLE LOADING FOR BEAM CONSIDERING NO BRACING IS PROVIDED TO AVOID LATERAL TORSIONAL BUCKLING.

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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 GRAVITY LOAD ONLY.

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

G. FOR ALTERNATE SOLUTIONS TO ATTACH TO STEEL, CONTACT HILTI.



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TRAPEZE

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	3	306600 I	Beam clamp	BC-EG 3/8"			2	
	4	2273642	Channel End	Cap MT-E	C-30		2	
	5	2293068	Trapeze whe	el MQZ-TW-	-3/8"		4	
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CONCRETE (BY OTHERS)

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ENERIC NON-PROJECT SPECIFIC ASSUMPTIONS SET FORTH IN PROFIS MODULAR SUPPORTS ENGINEERING
OFTWARE VERSION 1.6.1. THE ENGINEER OF RECORD SHALL EVALUATE THIS TYPICAL SUPPORT TO DETERMINE
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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 GRAVITY LOAD ONLY.

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

G. SEE BOM FOR KB-TZ2 ANCHOR BOLT AND KCC-WF ANCHOR. FOR 3/8" DIA. HILTI KB-TZ2 USE MIN. 2" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-4266 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. FOR 3/8" DIA KCC-WF USE MIN. 1.63" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-4145 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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H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

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(SCALE N.T.S.)

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NOTE(S):

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	TA	BLE	B		
	Max H, in	48	48	48	PROJE
	W, in	24	48	72	
ALLOWABLE LOADS, lbs	Vertical (P)	840	360	190	

ading and design criteria supplied by customer is uned accurate. Only the stated Design Assumptions a considered, and must be verified by the responsible inser of Record (EOR). The basis of Hiti component connection design is the published data in the current and connection design is the published data in the current Hill Technical Guido, including material and cross-sectior properties, allowable load values, factors of safety, methods of calculation, and inimiging factors. The EOR must verify suitability for any specific application, and the capacity of the supportive structure to receive the shown configuration and associated reaction loads. Modification to components and/or design may alter performance and must be evaluated by the EOR

PROJECT NAME:

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2 ELEVATION (SCALE N.T.S.)

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NOTE(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 VERSION 1.6.1. 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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G. FOR ALTERNATE SOLUTIONS TO ATTACH TO STEEL, CONTACT HILTI.



5

ALLOWABLE LOADS, Ibs Vertical (P) 510 360

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TRAPEZE

6

195

		TRAPEZE MT50 S1		
MARK	ITEM NO.	DESCRIPTION	QTY.	A
1	2268510	IChannel MT-50	1]
2	257964	Threaded rod zinc 3/8" x 6' 25 pk	2	
3	306600	Beam clamp BC-EG 3/8"	2	
4	2273643	Channel End Cap MT-EC-40/50	2	
5	2293068	Trapeze wheel MQZ-TW-3/8"	4	
				1





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nt	A ISSUED FOR REVIEW						09/14/2021	CWH	
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TO AVOID LATERAL TORSIONAL BUCKLING.

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

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G. SEE BOM FOR KB-TZ2 ANCHOR BOLT AND KCC-WF ANCHOR. FOR 3/8" DIA. HILTI KB-TZ2 USE MIN. 2" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-4266 AND HILTI'S INSTRUCTIONS FOR USE AND RECOMMENDATIONS. FOR 3/8" DIA KCC-WF USE MIN. 1.63" EFFECTIVE EMBEDMENT. INSTALL ANCHOR PER ESR-4145 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".

2

H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

1

TABLE A Max H, in 48 48 48 24 48 72 W, in ALLOWABLE LOADS, Ibs Vertical (P) 1100 900 600

Max H. in

ALLOWABLE LOADS, Ibs Vertical (P) 1100 810 510

4

W, in

5

TABLE B

48

24

48

48

48

72

PROJECT DESCRIPTION:

6

must be evaluated by the EOR PROJECT NAME:

6



STEEL (BY OTHERS)



NOTE(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 VERSION 1.6.1. 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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G. FOR ALTERNATE SOLUTIONS TO ATTACH TO STEEL, CONTACT HILTI.



2 (SCALE N.T.S.)

	TA	BLE	A	
	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	500	500	490

 Max H, in
 48
 48
 48

 W, in
 24
 48
 72

 ALLOWABLE LOADS, lbs
 Vertical (P)
 500
 500
 490

All loading and design criteria supplied by customer is assumed accurate. Only the stated Design Assumption were considered, and matte be verified by the responsis Engineer of Record (ECR). The basis of Hill componer Hill Technical Guide, including material and cross-sect properties, allowable bad values, factors of safety, methods of calculation, and Initing factors. The EOR mast verify suitability for any specific application, and the capacity of the supporties structure to receive the shord configuration and associated reaction loads. Modificat to components and/or design may alter performance an mast be valuable by the EOR. PROJECT NAME:

TRAPEZE

PROJECT DESCRIPTION:

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TRAPEZE

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	TRAPEZE MT40D S1							
ľ	MARK	MARK ITEM NO. DESCRIPTION						
ľ	1	2268518	IChannel MT-40D	1				
I	2	257964	Threaded rod zinc 3/8" x 6' 25 pk	2				
ľ	3	306600	Beam clamp BC-EG 3/8"	2				
	4	2273643	Channel End Cap MT-EC-40/50	4				
	5	2293068	Trapeze wheel MQZ-TW-3/8"	4				
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	TRAPEZE MT50 C2								
MARK	MARK ITEM NO. DESCRIPTION								
1	2268510	IChannel MT-50		3	1				
2	2272094	2-hole Baseplate MT-B-O2		2					
3	2272080	Twist-Lock MT-TL M10		8					
4	2273254	Hexagon bolt MT-TLB		8					
5	2210254	STUD ANCHOR KB-TZ2 1/2x3 3/4		4					
6	2271514	Angle Connector MT-C-L1		2					
7	2273643	Channel End Cap MT-EC-40/50		2					

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ANSI B TR5C2



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TRAPEZE MT40D C2						
MARK	ITEM NO.	DESC	RIPTION	QTY.		
1	2268518	IChannel MT-40D		3	1^	
2	2272094	2-hole Baseplate M	Т-В-О2	2		
3	2272080	Twist-Lock MT-TL N	v10	8		
4	2273254	Hexagon bolt MT-T	LB	8		
5	2210254	STUD ANCHOR KE	3-TZ2 1/2x3 3/4	4		
6	2271514	Angle Connector M	T-C-L1	2		
7	2273643	Channel End Cap	MT-EC-40/50	4		
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