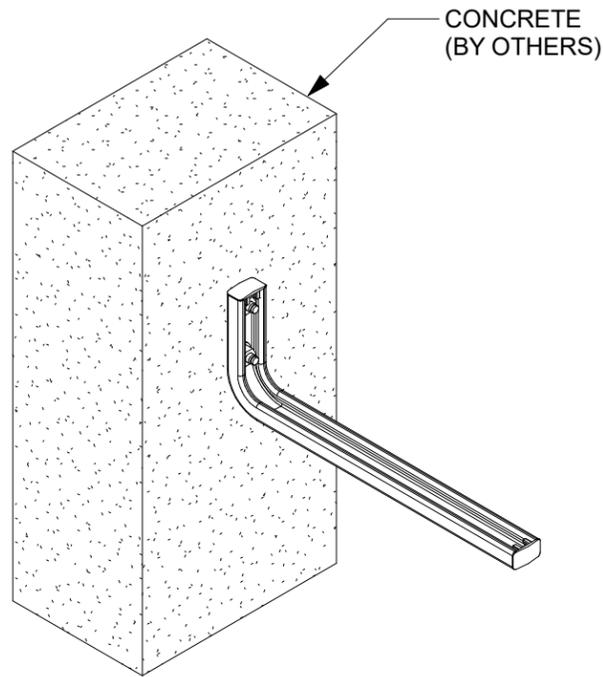
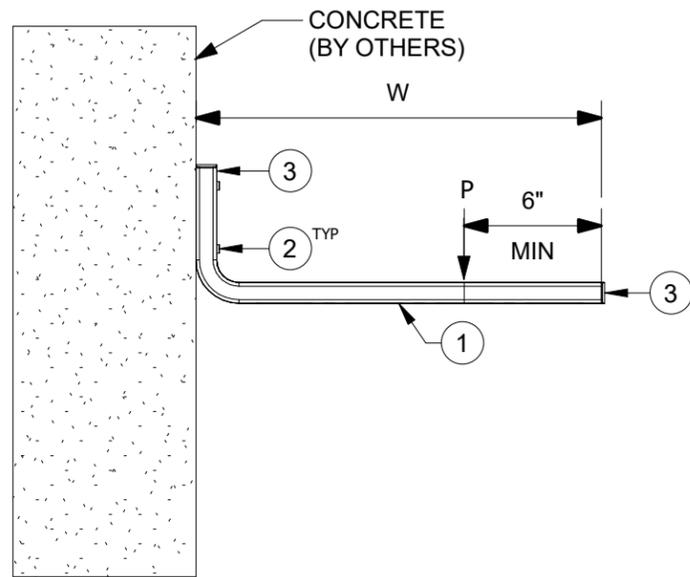


BRACKET MT-BR-30 300 (12)			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2271288	Bracket MT-BR-30 300	1
2	2210254	STUD ANCHOR KB-TZ2 1/2x3 3/4	2
3	2273642	Channel end cap MT-EC-30	2

BRACKET MT-BR-30 450 (18)			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2271440	Bracket MT-BR-30 450	1
2	2210254	STUD ANCHOR KB-TZ2 1/2x3 3/4	2
3	2273642	Channel end cap MT-EC-30	2



1 ISOMETRIC
(SCALE N.T.S.)



2 ELEVATION
(SCALE 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 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 REDUCED 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-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 LOADS, lbs	Max W, in	12	18
	Vertical (P)	100	65

ALLOWABLE LOADS, lbs	Max W, in	12	18
	Vertical (P)	100	65

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REVISION HISTORY

NO.	DESCRIPTION:	DATE:	DRW:
A	ISSUED FOR REVIEW	09/14/2021	CWH
B	ISSUED FOR BU USE	10/29/2021	CWH
C	RE-ISSUE FOR BU USE (UPDATED NOTES, BOM)	01/05/2022	CWH
D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

PROJECT NAME:

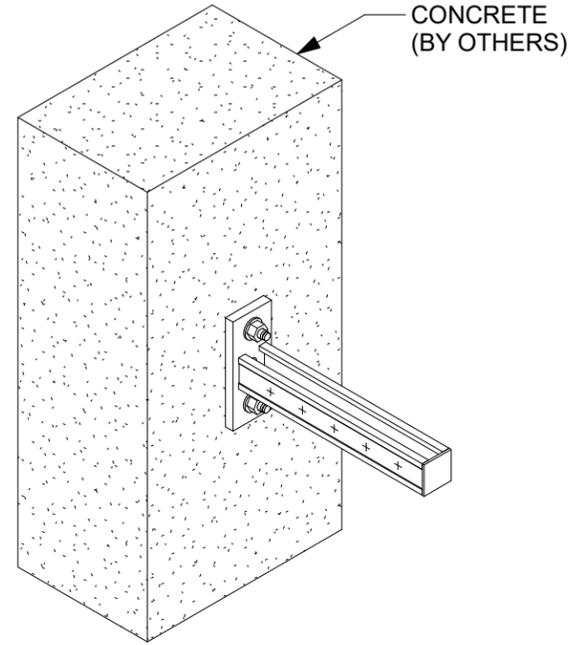
BRACKET CANTILEVER MT-BR-30

PROJECT DESCRIPTION:

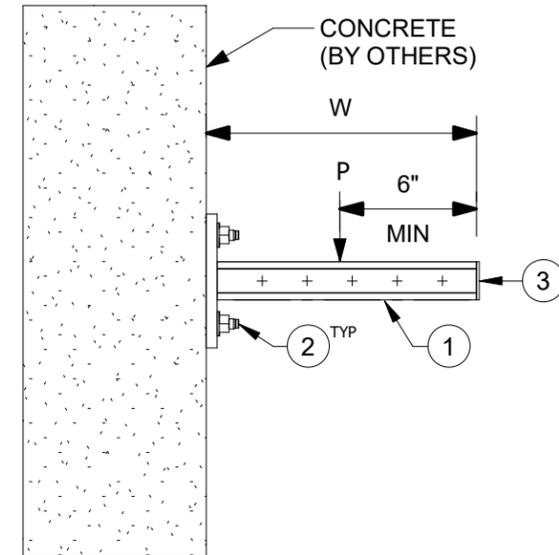
BRACKET CANTILEVER MT-BR-30

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
CWH	TM	KDM	YY
PAPER SIZE:		PROJECT NUMBER:	
ANSI B	BCT3C1	01	01

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.	DESCRIPTION	QTY.	MARK	ITEM NO.	DESCRIPTION	QTY.	MARK	ITEM NO.	DESCRIPTION	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 1000	1
2	2210254	STUD ANCHOR KB-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	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 MT-EC-40/50	1



1 ISOMETRIC
(SCALE N.T.S.)



2 ELEVATION
(SCALE N.T.S.)

NOTE(S):

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

E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON 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 LOADS, lbs	Max W, in	12	18	24	40
	Vertical (P)	455	285	210	60

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

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C	RE-ISSUE FOR BU USE (UPDATED NOTES, BOM)	01/05/2022	CWH
D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

PROJECT NAME: **BRACKET CANTILEVER MT-BR-40**

PROJECT DESCRIPTION: **BRACKET CANTILEVER MT-BR-40**



DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
CWH	TM	KDM	YY

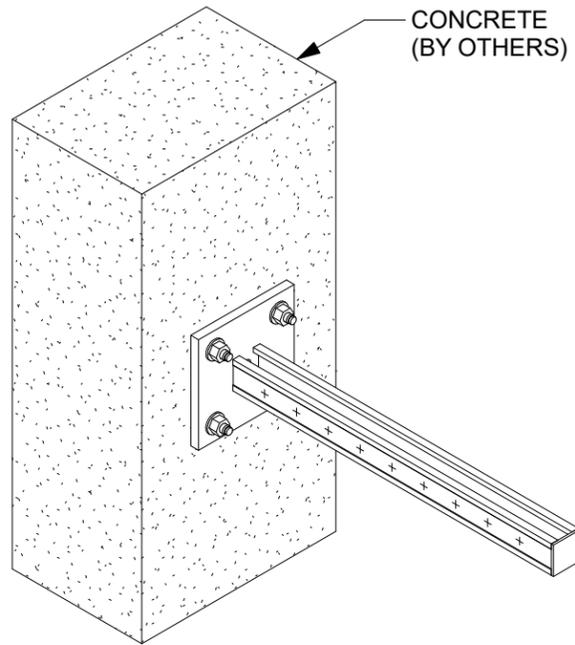
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PROJECT NUMBER:

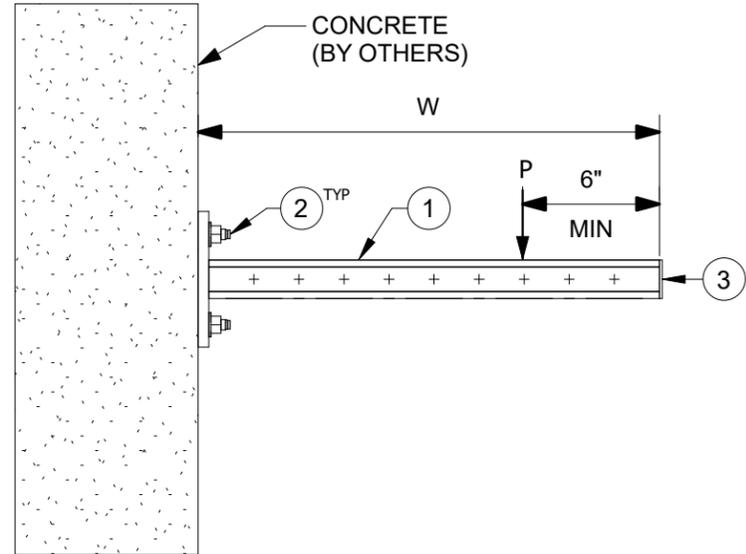
PROJECT	JOB	SHEET
BCT4C1	02	01

BRACKET MT-BR-40 O4 600			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2271455	Bracket MT-BR-40 O4 600 OC	1
2	2210260	STUD ANCHOR KB-TZ2 1/2x3 3/4 SS304	4
3	2273643	Channel End Cap MT-EC-40/50	1

BRACKET MT-BR-40 O4 1000			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2271456	Bracket MT-BR-40 O4 1000 OC	1
2	2210260	STUD ANCHOR KB-TZ2 1/2x3 3/4 SS304	4
3	2273643	Channel End Cap MT-EC-40/50	1



1 ISOMETRIC
(SCALE N.T.S.)



2 ELEVATION
(SCALE N.T.S.)

NOTE(S):

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H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

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

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

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D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

PROJECT NAME:
BRACKET CANTILEVER MT-BR-40 O4

PROJECT DESCRIPTION:
BRACKET CANTILEVER MT-BR-40 O4



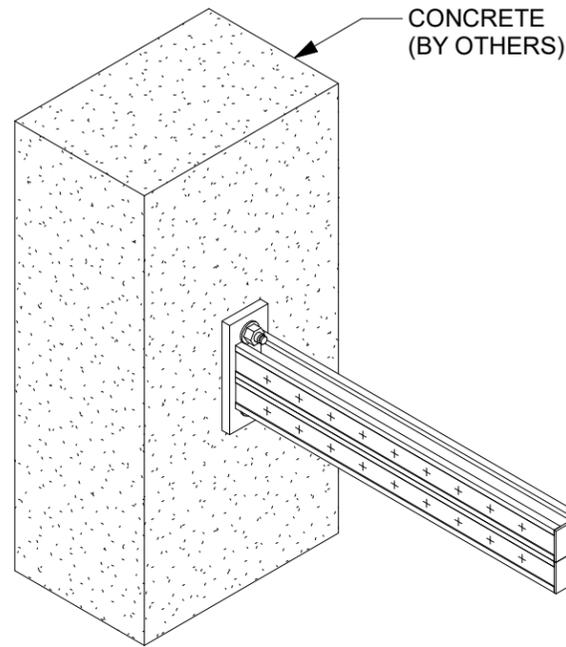
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CWH	TM	KDM	YY

PAPER SIZE: **ANSI B**

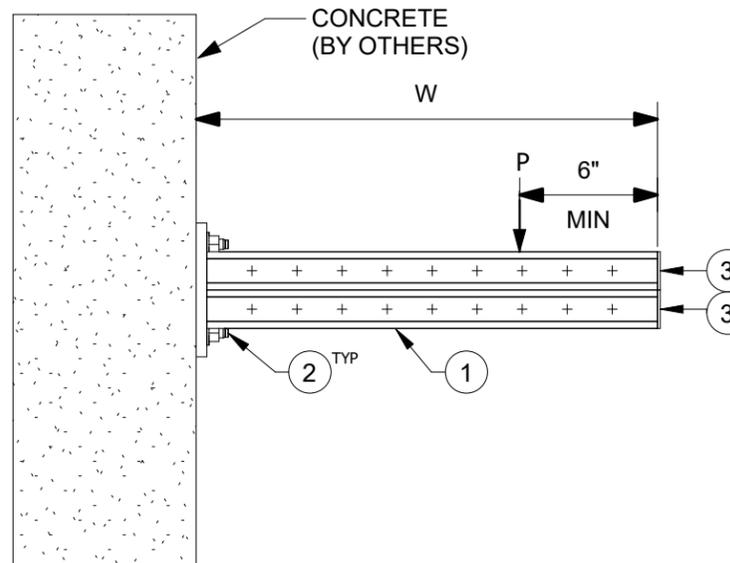
PROJECT NUMBER:
PROJECT: **BCT404C1** JOB: **04** SHEET: **01**

BRACKET MT-BR-40D 600 (24)			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2271448	Bracket MT-BR-40D 600	1
2	2210254	STUD ANCHOR KB-TZ2 1/2x3 3/4	2
3	2273643	Channel End Cap MT-EC-40/50	2

BRACKET MT-BR-40D 1000 (40)			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2271450	Bracket MT-BR-40D 1000	1
2	2210254	STUD ANCHOR KB-TZ2 1/2x3 3/4	2
3	2273643	Channel End Cap MT-EC-40/50	2



1 ISOMETRIC
(SCALE N.T.S.)



2 ELEVATION
(SCALE N.T.S.)

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H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

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

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

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D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

PROJECT NAME:

BRACKET CANTILEVER MT-BR-40D

PROJECT DESCRIPTION:

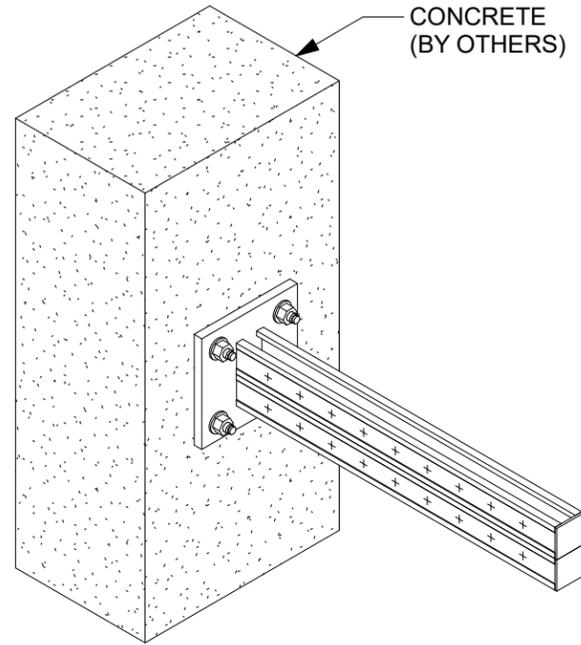
BRACKET CANTILEVER MT-BR-40D

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PAPER SIZE:		PROJECT NUMBER:	
ANSI B		PROJECT	JOB
		BCT4DC1 03	SHEET
			01

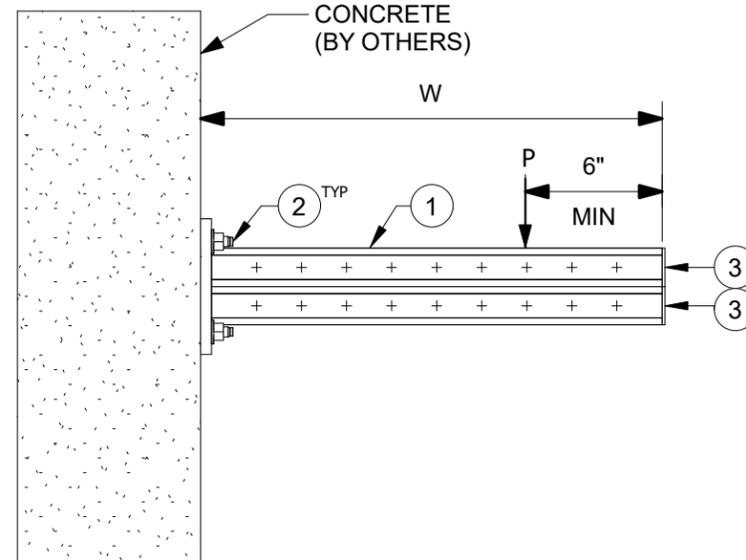
BRACKET MT-BR-40D O4 600 (24)			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2271459	Bracket MT-BR-40D O4 600 OC	1
2	2210260	STUD ANCHOR KB-TZ2 1/2x3 3/4 SS304	4
3	2273643	Channel End Cap MT-EC-40/50	2

BRACKET MT-BR-40D O4 1000 (40)			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2271461	Bracket MT-BR-40D O4 1000 OC	1
2	2210260	STUD ANCHOR KB-TZ2 1/2x3 3/4 SS304	4
3	2273643	Channel End Cap MT-EC-40/50	2

BRACKET MT-BR-40D O4 1500 (59)			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2271287	Bracket MT-BR-40D O4 1500 OC	1
2	2210260	STUD ANCHOR KB-TZ2 1/2x3 3/4 SS304	4
3	2273643	Channel End Cap MT-EC-40/50	2



1 ISOMETRIC
(SCALE N.T.S.)



2 ELEVATION
(SCALE N.T.S.)

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H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

ALLOWABLE LOADS, lbs	Max W, in	24	40	59
	Vertical (P)	455	260	120

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

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D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

PROJECT NAME:
BRACKET CANTILEVER MT-BR-40D O4

PROJECT DESCRIPTION:
BRACKET CANTILEVER MT-BR-40D O4



DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
CWH	TM	KDM	YY

PAPER SIZE: **ANSI B**

PROJECT NUMBER:
PROJECT: **BCT4DO4C1** JOB: **05** SHEET: **01**

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

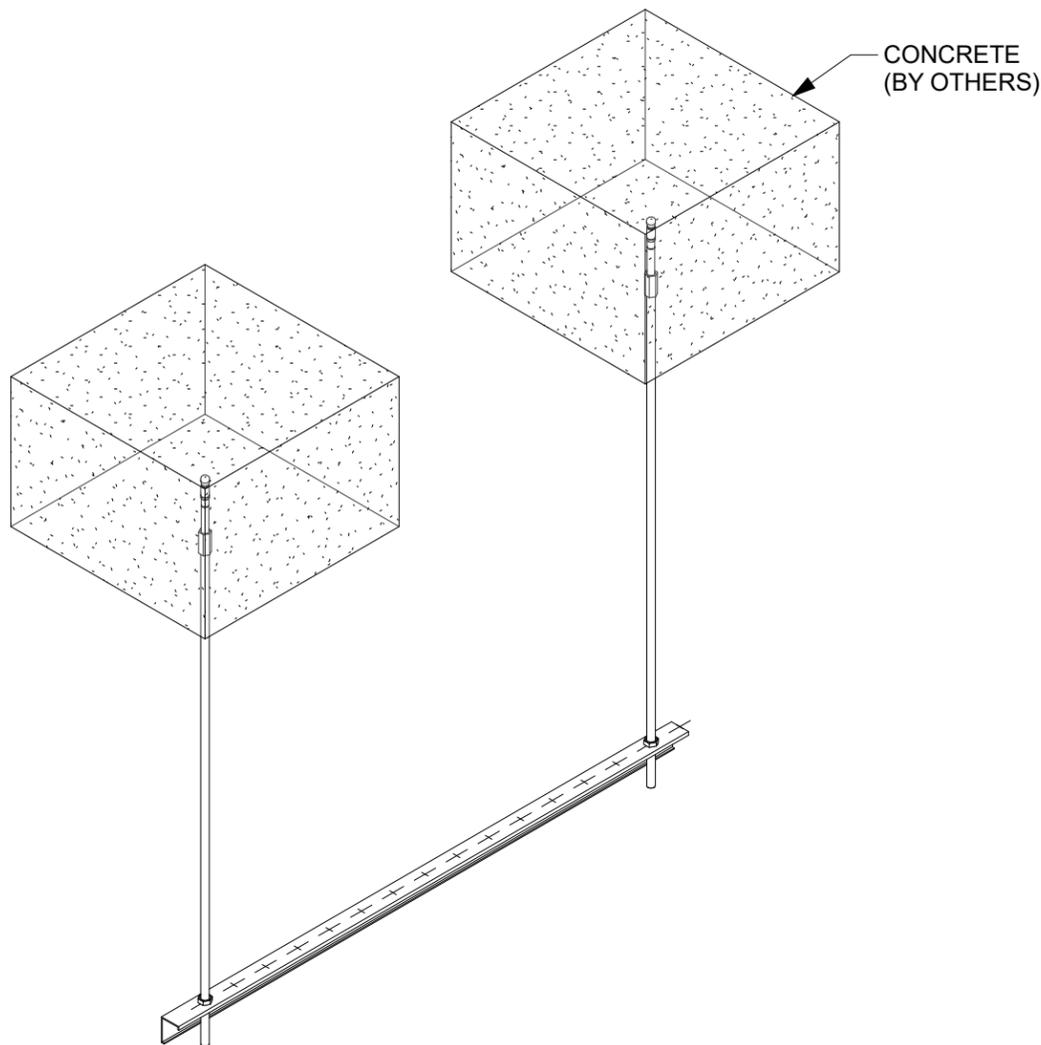
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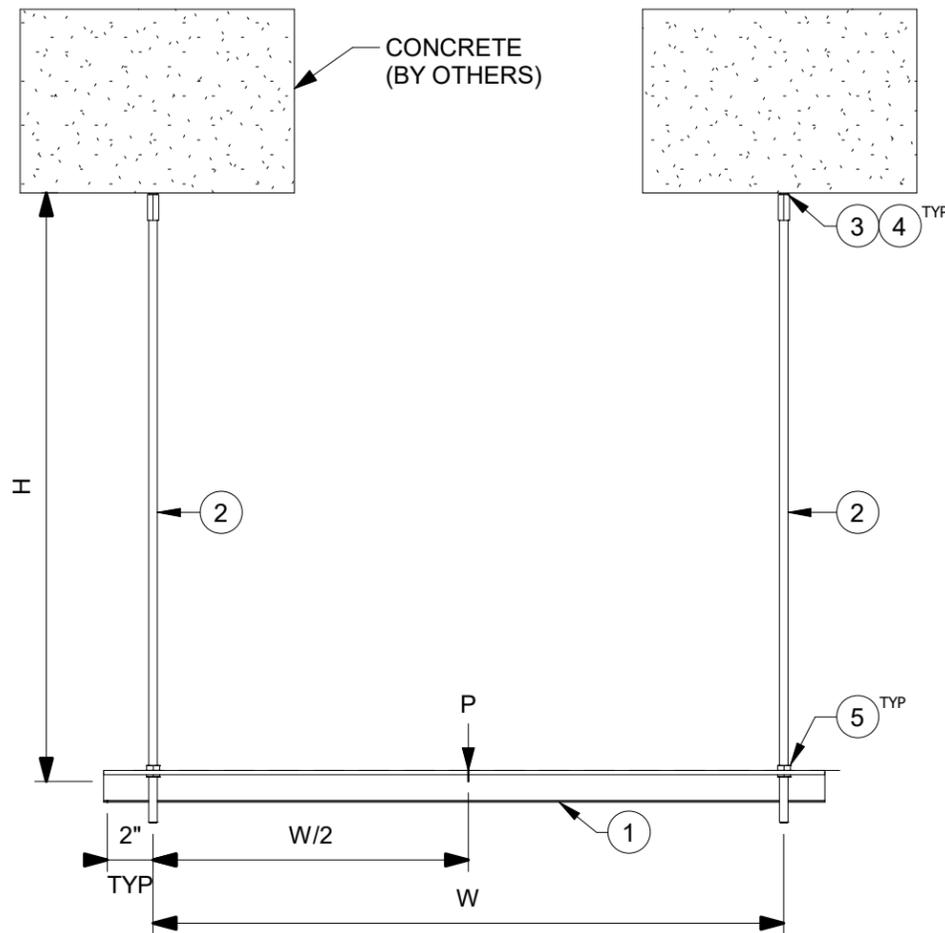
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F



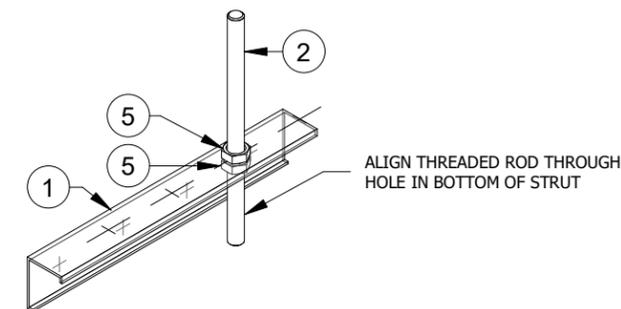
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(SCALE N.T.S.)



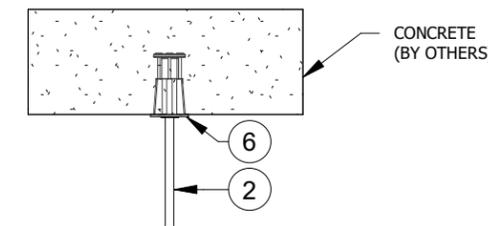
2 ELEVATION
(SCALE N.T.S.)

TRAPEZE MT15 C1			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268493	I.-Channel MT-15	1
2	257964	Threaded rod zinc 3/8" x 6' 25 pk	2
3	2210237	STUD ANCHOR KB-TZ2 3/8x3 1/2	2
4	411747	Zinc rod coupler 3/8"	2
5	411752	Hexagon nut zinc 3/8"	4

ALTERNATE MT15 C1			
MARK	ITEM NO.	DESCRIPTION	QTY.
6	2268101	Kwik Cast Connect KCC-WF 3/8	2



3 ENLARGED DETAIL
(SCALE N.T.S.)



4 ALTERNATE DETAIL
(SCALE N.T.S.)

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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".

H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

TABLE A				
	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	180	60	25

TABLE B				
	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	125	60	25

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REVISION HISTORY			
NO.	DESCRIPTION:	DATE:	DRW:
A	ISSUED FOR REVIEW	09/14/2021	CWH
B	ISSUED FOR BU USE	10/29/2021	CWH
C	RE-ISSUE FOR BU USE (UPDATED NOTES)	01/05/2022	CWH
D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

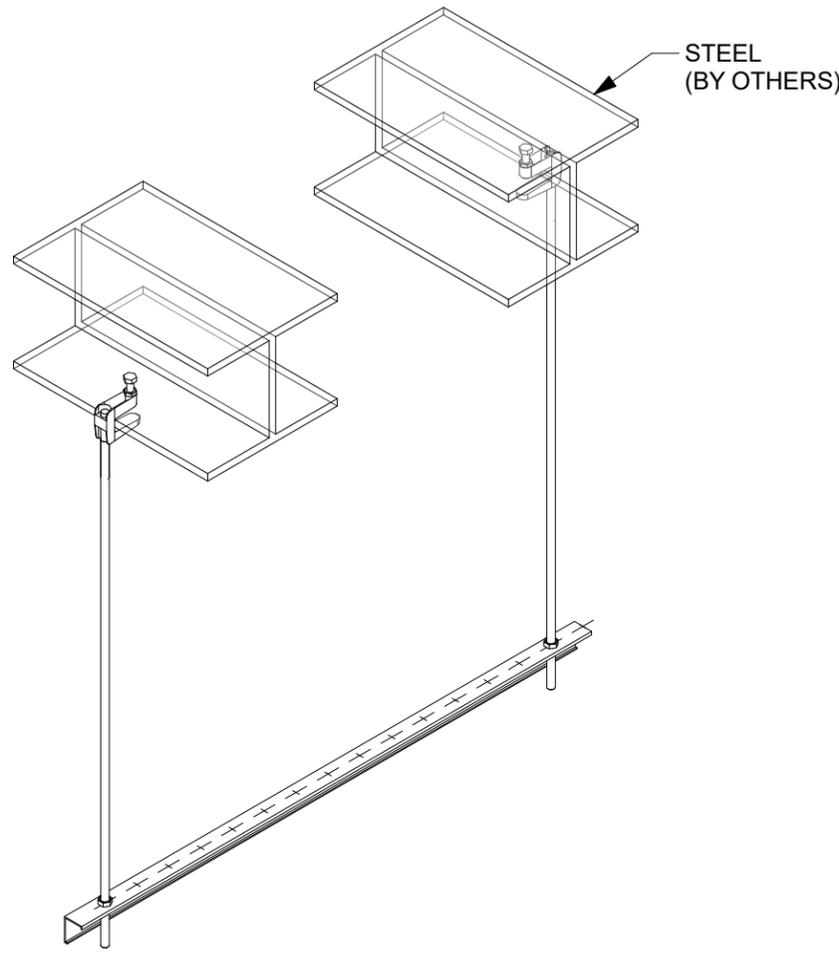
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PROJECT DESCRIPTION: TRAPEZE MT15 C1

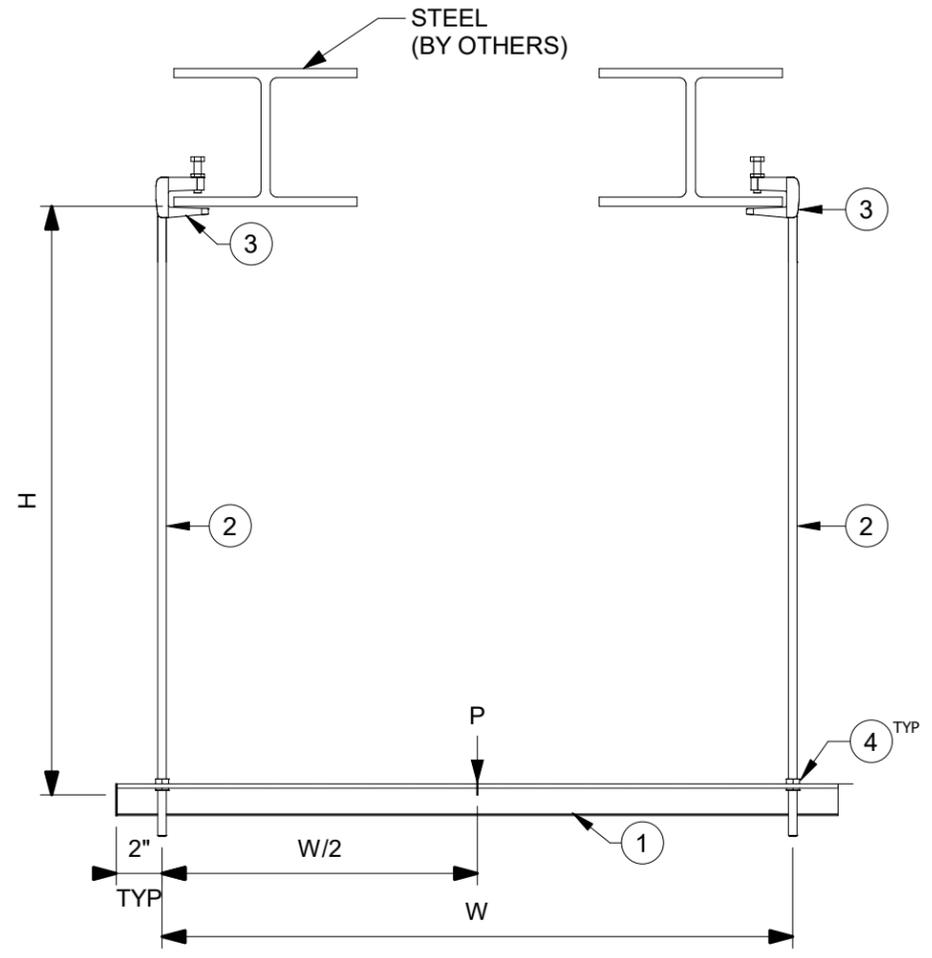
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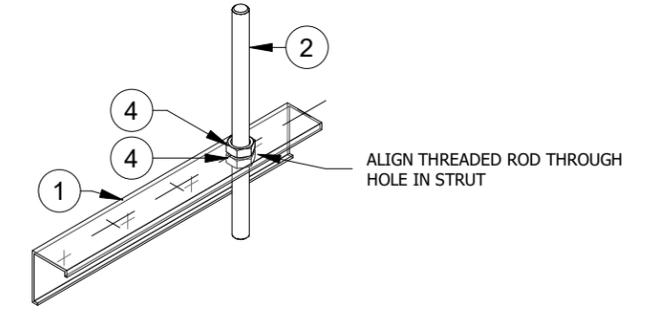
TRAPEZE MT15 S1			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268493	I.-Channel MT-15	1
2	257964	Threaded rod zinc 3/8" x 6' 25 pk	2
3	306600	Beam clamp BC-EG 3/8"	2
4	411752	Hexagon nut zinc 3/8"	4



1 ISOMETRIC
(SCALE N.T.S.)



2 ELEVATION
(SCALE N.T.S.)



3 ENLARGED DETAIL
(SCALE 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 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 REDUCED 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. FOR ALTERNATE SOLUTIONS TO ATTACH TO STEEL, CONTACT HILTI.

	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	180	60	25

	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	125	60	25

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REVISION HISTORY			
NO.	DESCRIPTION:	DATE:	DRW.:
A	ISSUED FOR REVIEW	09/14/2021	CWH
B	ISSUED FOR BU USE	10/29/2021	CWH
C	RE-ISSUE FOR BU USE (UPDATED NOTES)	01/05/2022	CWH
D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

PROJECT NAME:
TRAPEZE MT15 S1

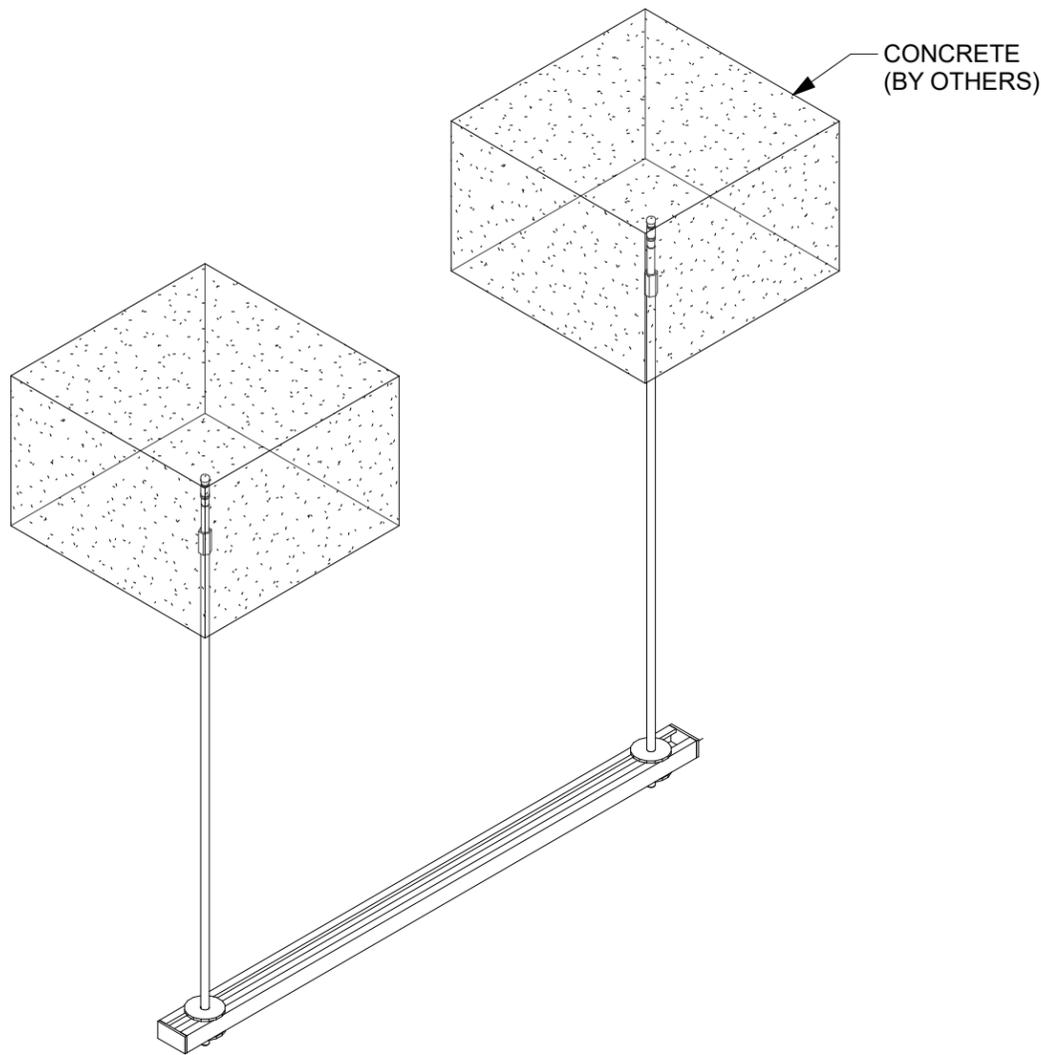


PROJECT DESCRIPTION:
TRAPEZE MT15 S1

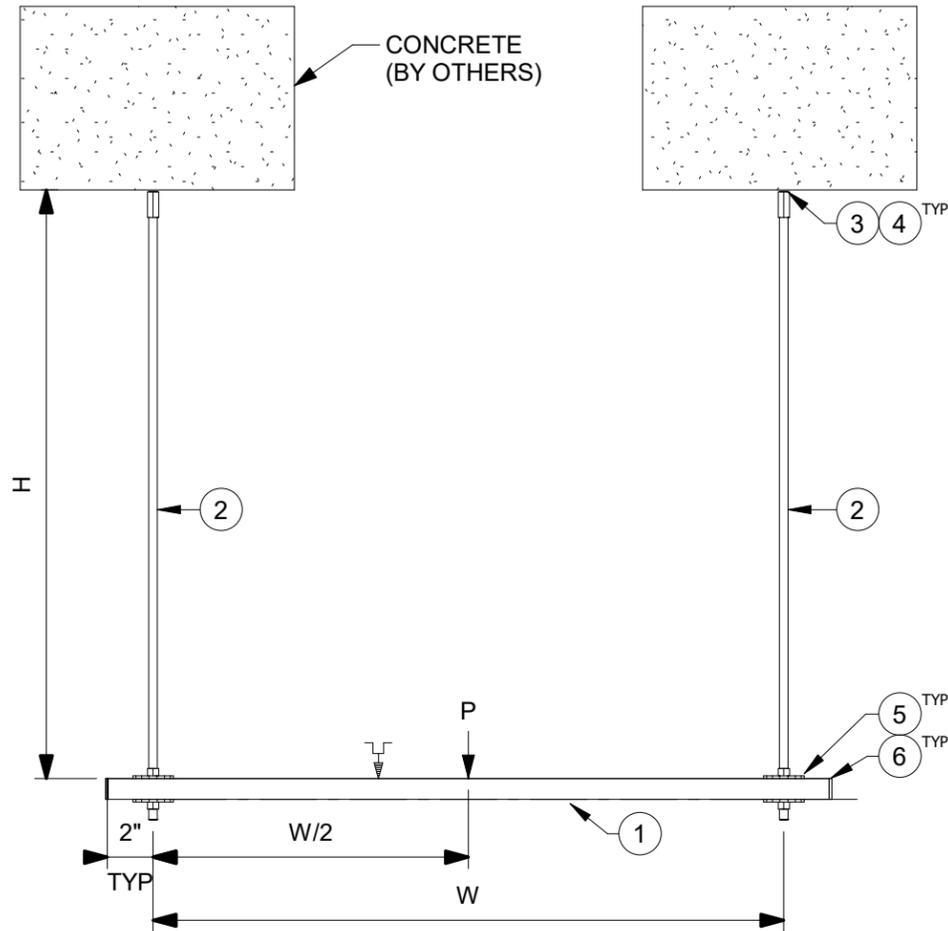
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CWH	ASB	KDM	YY
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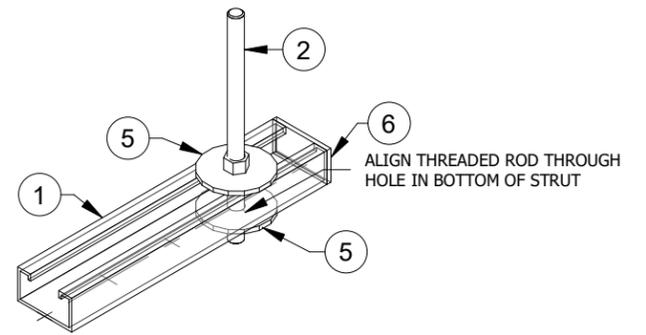


1 ISOMETRIC
(SCALE N.T.S.)

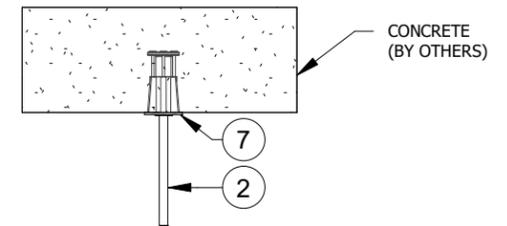


2 ELEVATION
(SCALE N.T.S.)

TRAPEZE MT30 C1			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268498	I.-Channel MT-30	1
2	257964	Threaded rod zinc 3/8" x 6' 25 pk	2
3	2210237	STUD ANCHOR KB-TZ2 3/8x3 1/2	2
4	411747	Zinc rod coupler 3/8"	2
5	2293068	Trapeze wheel MQZ-TW-3/8"	4
6	2273642	Channel End Cap MT-EC-30	2
ALTERNATE MT30 C1			
MARK	ITEM NO.	DESCRIPTION	QTY.
7	2268101	Kwik Cast Connect KCC-WF 3/8	2



3 ENLARGED DETAIL
(SCALE N.T.S.)



4 ALTERNATE DETAIL
(SCALE N.T.S.)

NOTE(S):

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

C. TYPICAL SUPPORT DESIGN IS BASED ON 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 REDUCED 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-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".

H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

TABLE A				
	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	250	80	30

TABLE B				
	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	250	80	30

All loading and design criteria supplied by customer is assumed accurate. Only the stated Design Assumptions were considered, and must be verified by the responsible Engineer of Record (EOR). The basis of Hilti component and connection design is the published data in the current Hilti Technical Guide, including material and cross-section properties, allowable load values, factors of safety, methods of calculation, and limiting factors. The EOR must verify suitability for any specific application, and the capacity of the supportive structure to receive the shown configuration and associated reaction loads. Modification to components and/or design may alter performance and must be evaluated by the EOR.

REVISION HISTORY			
NO.	DESCRIPTION:	DATE:	DRW:
A	ISSUED FOR REVIEW	09/14/2021	CWH
B	ISSUED FOR BU USE	11/29/2021	CWH
C	RE-ISSUE FOR BU USE (UPDATED NOTES)	01/05/2022	CWH
D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

PROJECT NAME: **TRAPEZE MT30 C1**

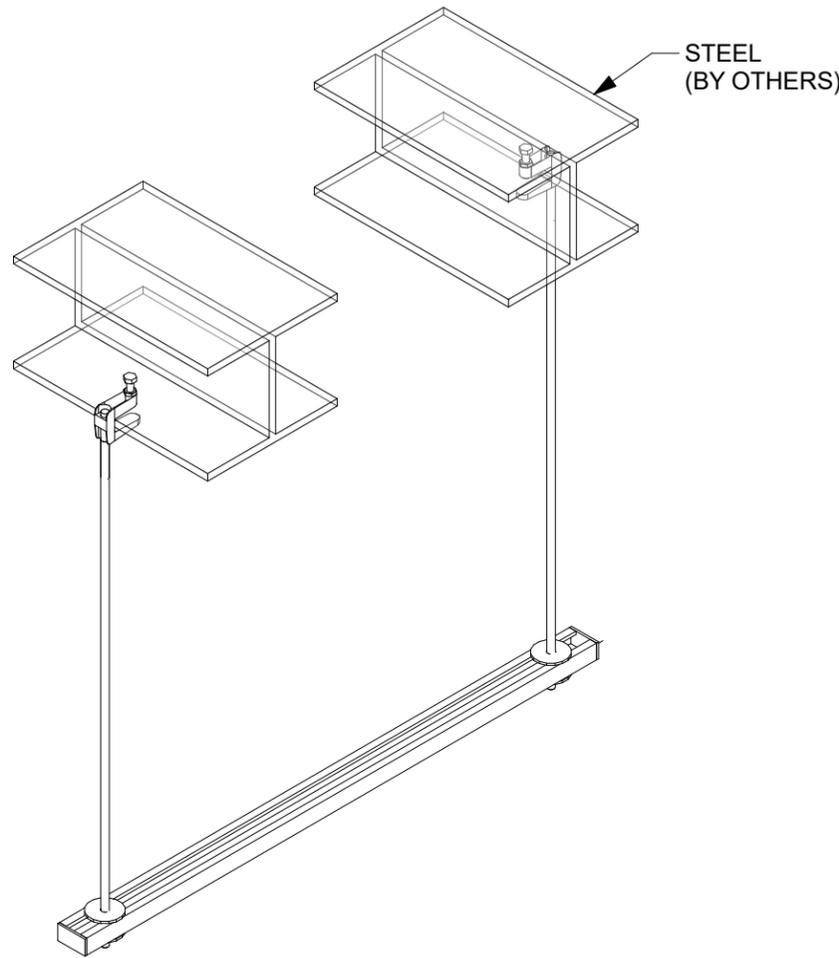
PROJECT DESCRIPTION: **TRAPEZE MT30 C1**



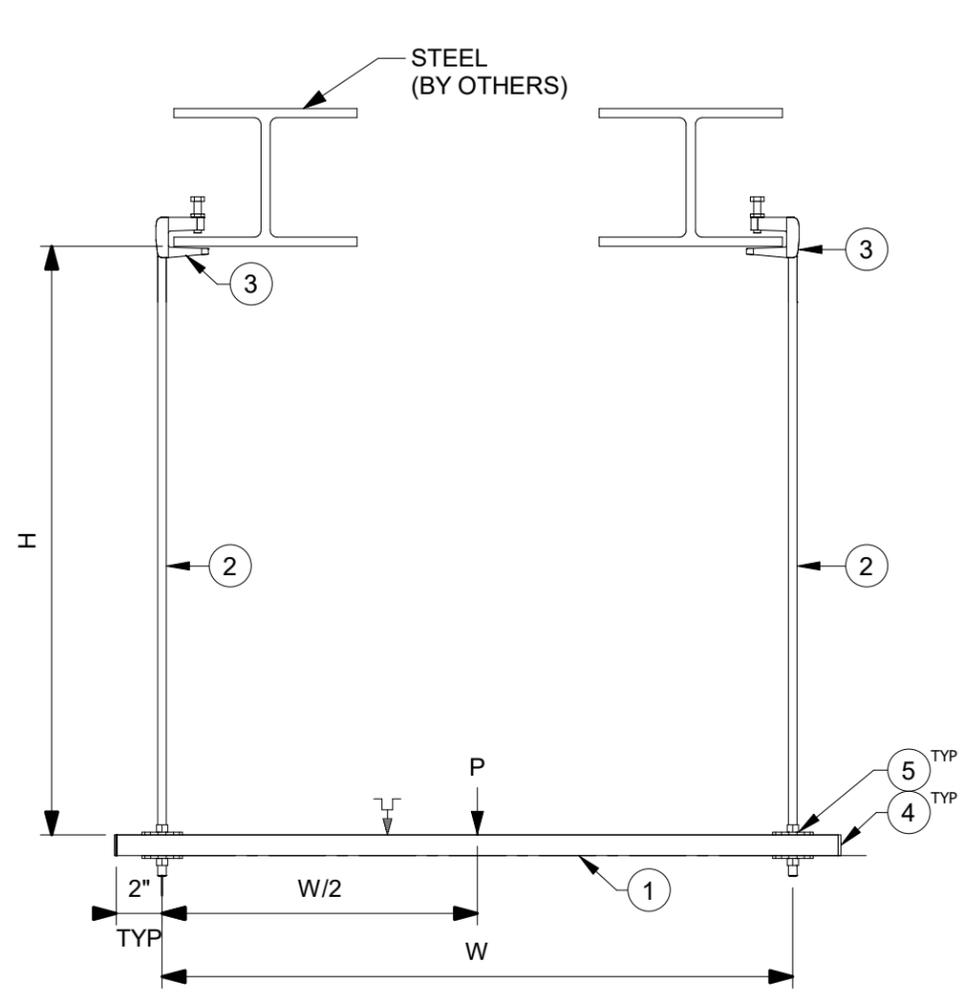
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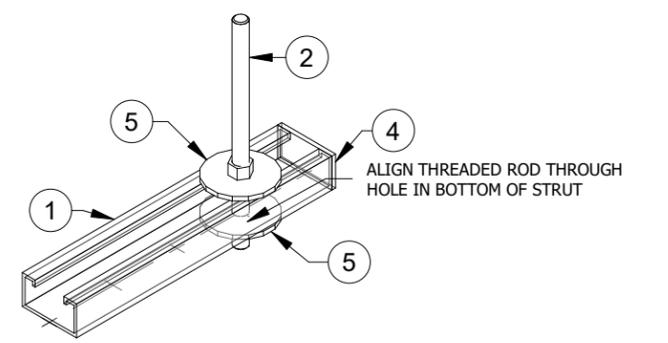
TRAPEZE MT30 S1			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268498	I.-Channel MT-30	1
2	257964	Threaded rod zinc 3/8" x 6' 25 pk	2
3	306600	Beam clamp BC-EG 3/8"	2
4	2273642	Channel End Cap MT-EC-30	2
5	2293068	Trapeze wheel MQZ-TW-3/8"	4



1 ISOMETRIC
(SCALE N.T.S.)



2 ELEVATION
(SCALE N.T.S.)



3 ENLARGED DETAIL
(SCALE 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 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.

	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	250	80	30

	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	250	80	30

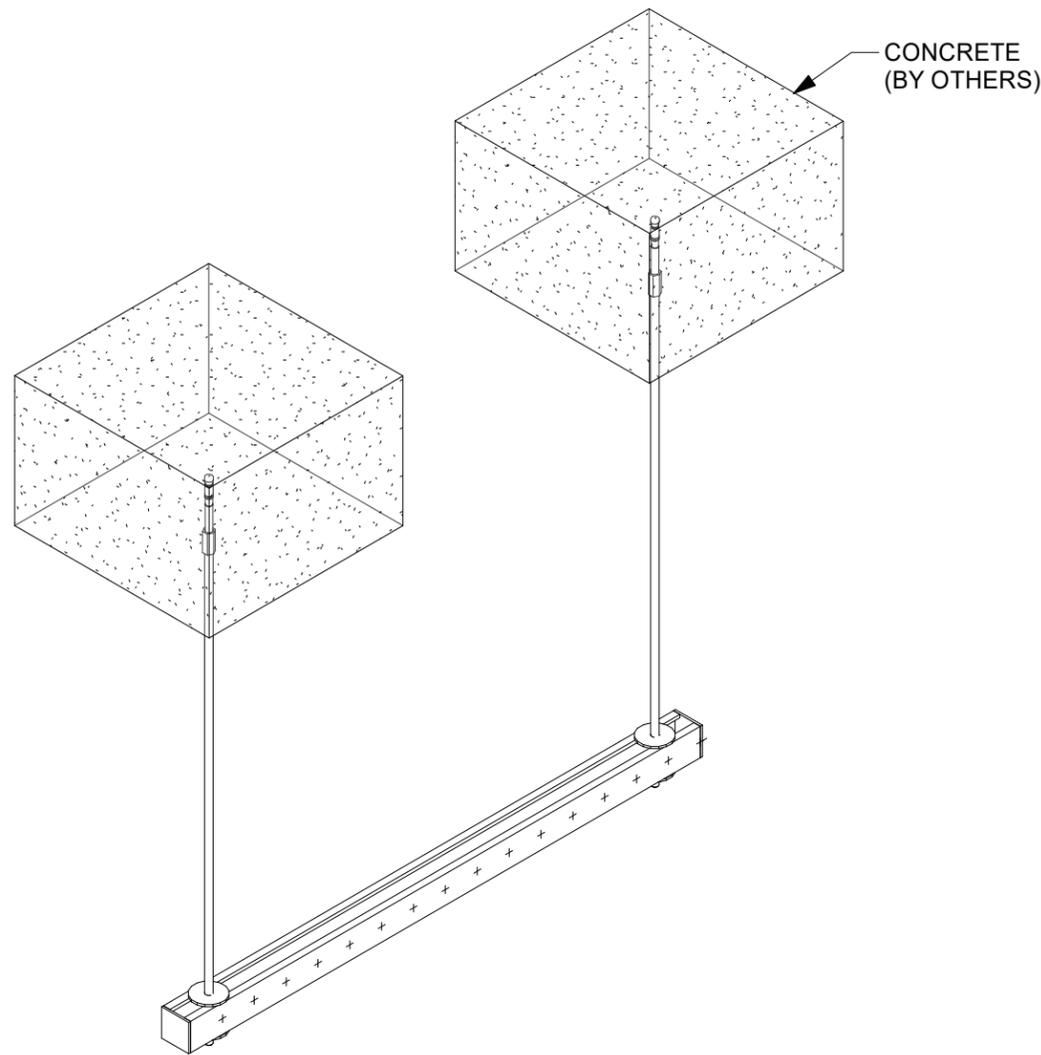
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REVISION HISTORY			
NO.	DESCRIPTION:	DATE:	DRW.:
A	ISSUED FOR REVIEW	09/14/2021	CWH
B	ISSUED FOR BU USE	10/29/2021	CWH
C	RE-ISSUE FOR BU USE (UPDATED NOTES)	01/05/2022	CWH
D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

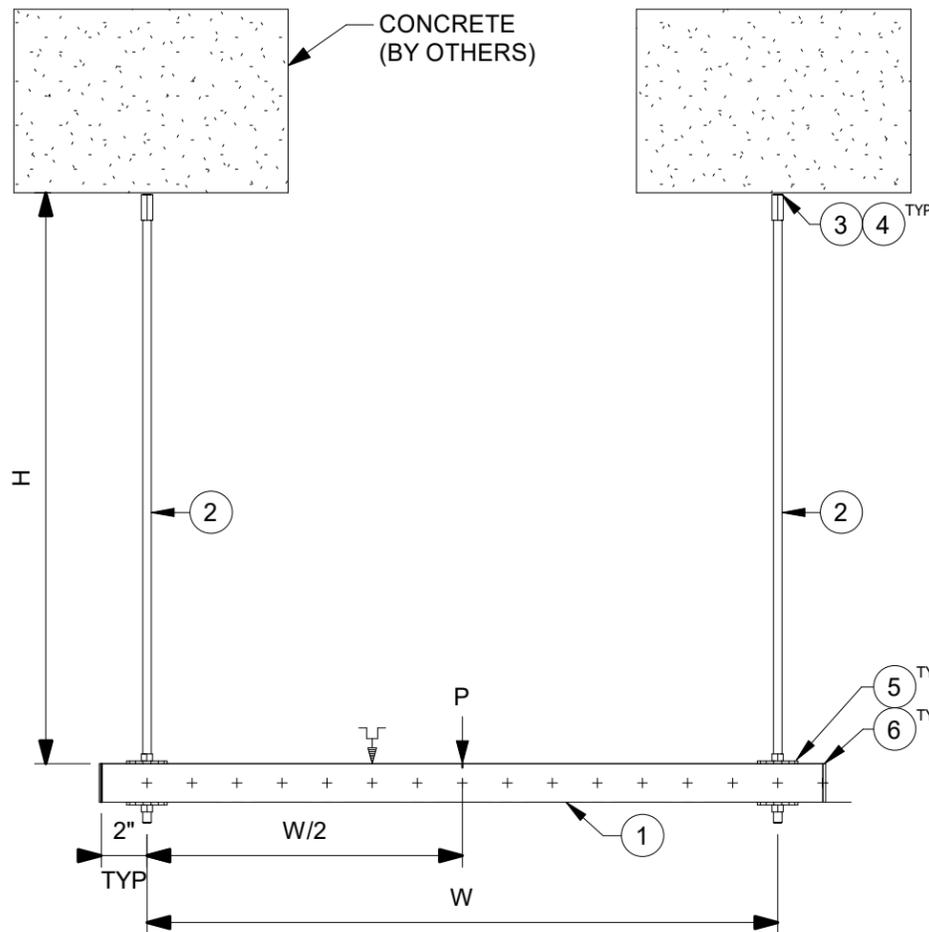
PROJECT NAME:
TRAPEZE MT30 S1

PROJECT DESCRIPTION:
TRAPEZE MT30 S1

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CWH	ASB	KDM	YY
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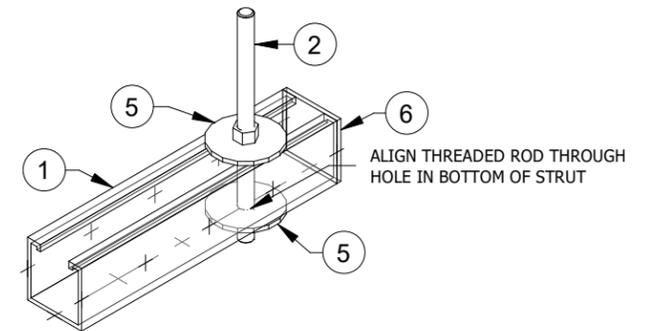


1 ISOMETRIC
(SCALE N.T.S.)

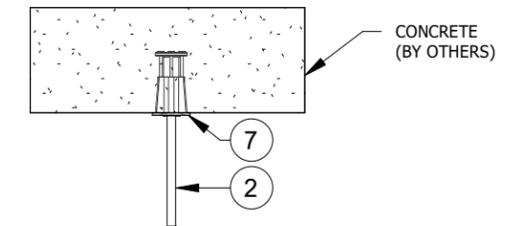


2 ELEVATION
(SCALE N.T.S.)

TRAPEZE MT50 C1			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268510	I.-Channel MT-50	1
2	257964	Threaded rod zinc 3/8" x 6' 25 pk	2
3	2210237	STUD ANCHOR KB-TZ2 3/8x3 1/2	2
4	411747	Zinc rod coupler 3/8"	2
5	2293068	Trapeze wheel MQZ-TW-3/8"	4
6	2273643	Channel End Cap MT-EC-40/50	2
ALTERNATE MT50 C1			
MARK	ITEM NO.	DESCRIPTION	QTY.
7	2268101	Kwik Cast Connect KCC-WF 3/8	2



3 ENLARGED DETAIL
(SCALE N.T.S.)



4 ALTERNATE DETAIL
(SCALE N.T.S.)

NOTE(S):

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

E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON 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".

H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

TABLE A				
	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	860	435	210

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

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REVISION HISTORY			
NO.	DESCRIPTION:	DATE:	DRW:
A	ISSUED FOR REVIEW	09/14/2021	CWH
B	ISSUED FOR BU USE	10/29/2021	CWH
C	RE-ISSUE FOR BU USE (UPDATED NOTES)	01/05/2022	CWH
D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH
E	RE-ISSUE FOR BU USE (REVISED NAME)	06/21/2022	MDH

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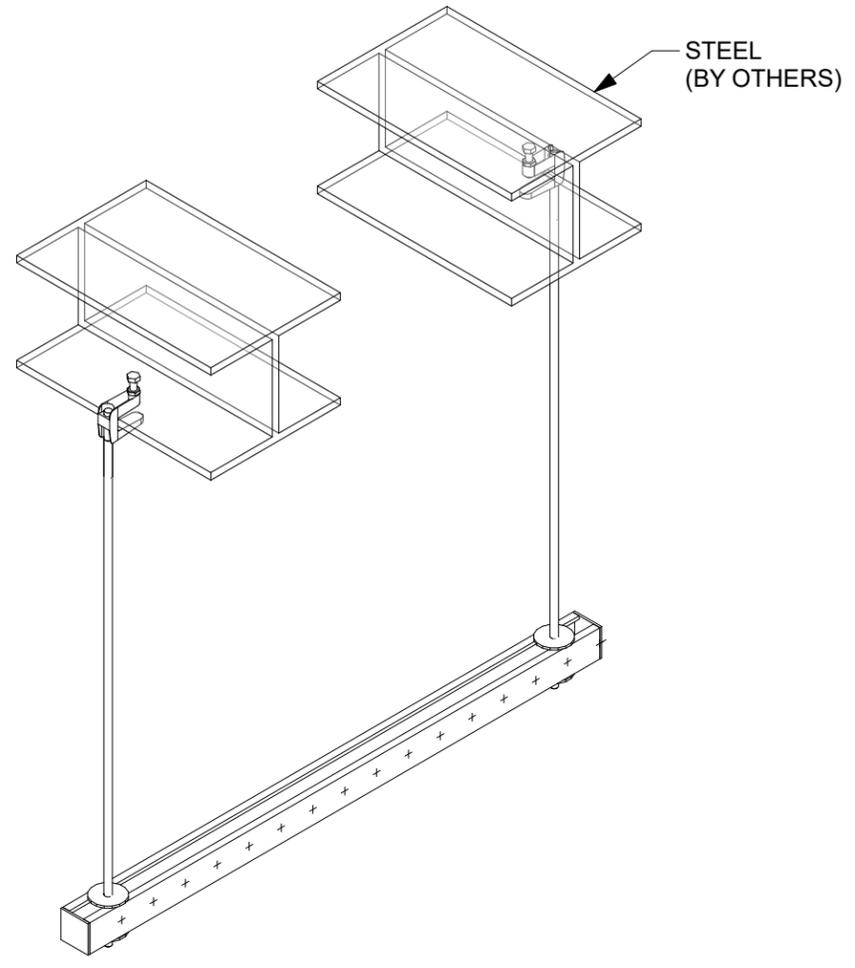
TRAPEZE MT50 C1

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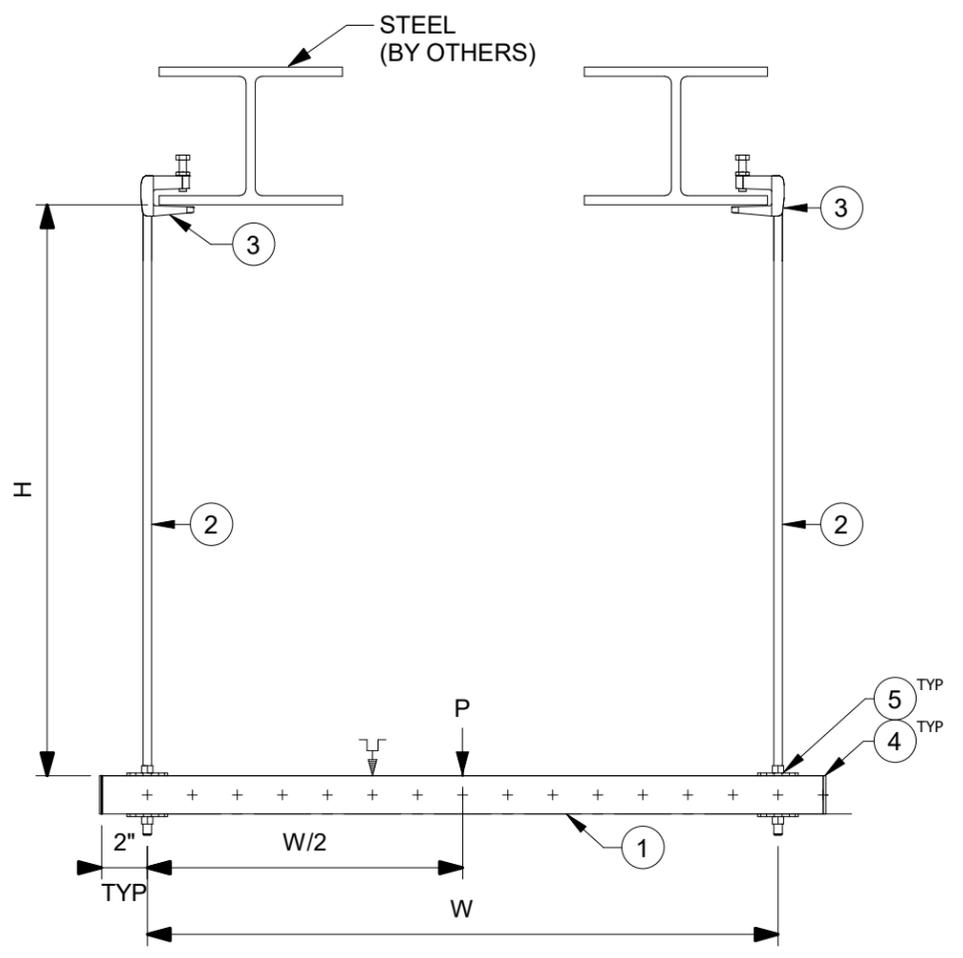
TRAPEZE MT50 C1

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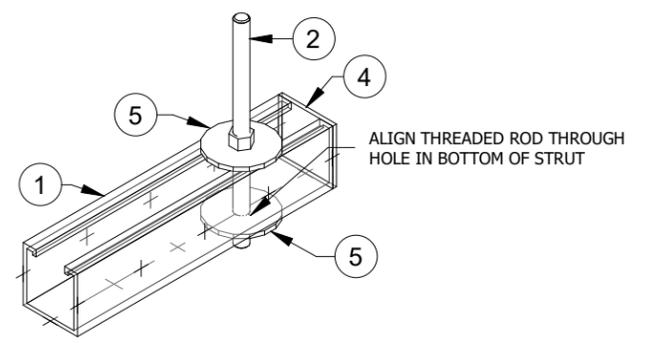
TRAPEZE MT50 S1			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268510	I.-Channel MT-50	1
2	257964	Threaded rod zinc 3/8" x 6' 25 pk	2
3	306600	Beam clamp BC-EG 3/8"	2
4	2273643	Channel End Cap MT-EC-40/50	2
5	2293068	Trapeze wheel MQZ-TW-3/8"	4



1 ISOMETRIC
(SCALE N.T.S.)



2 ELEVATION
(SCALE N.T.S.)



3 ENLARGED DETAIL
(SCALE N.T.S.)

NOTE(S):

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- D. ALL LOADS ASSUMED TO ACT ON THE SUPPORT, NO ECCENTRICITY CONSIDERED
- E. MAXIMUM ALLOWABLE LOADS NOTED IN TABLE-A ARE BASED ON 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.

TABLE A				
	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	510	435	210

TABLE B				
	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	510	360	195

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B	ISSUED FOR BU USE	10/29/2021	CWH
C	RE-ISSUE FOR BU USE (UPDATED NOTES)	01/05/2022	CWH
D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

PROJECT NAME: **TRAPEZE MT50 S1**

PROJECT DESCRIPTION: **TRAPEZE MT50 S1**

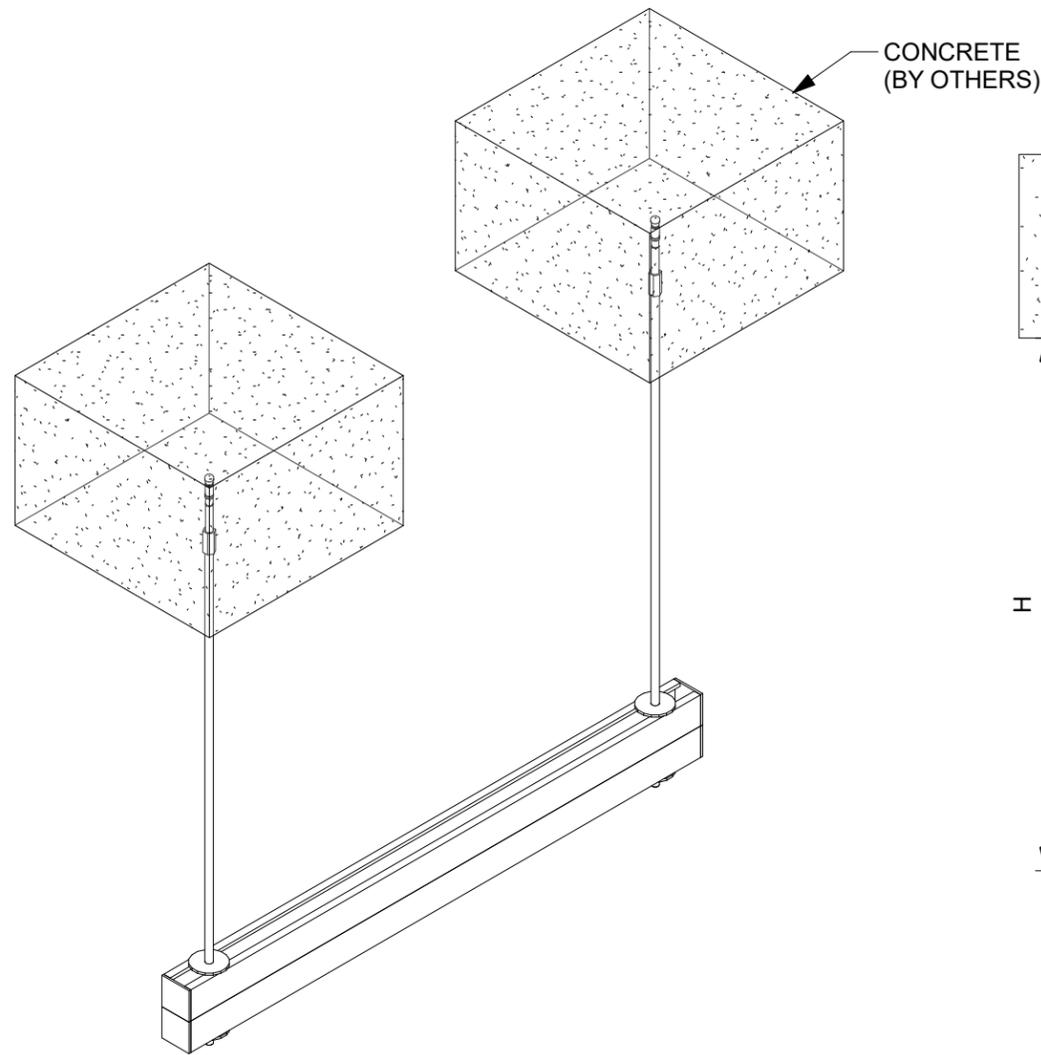


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CWH	ASB	KDM	YY

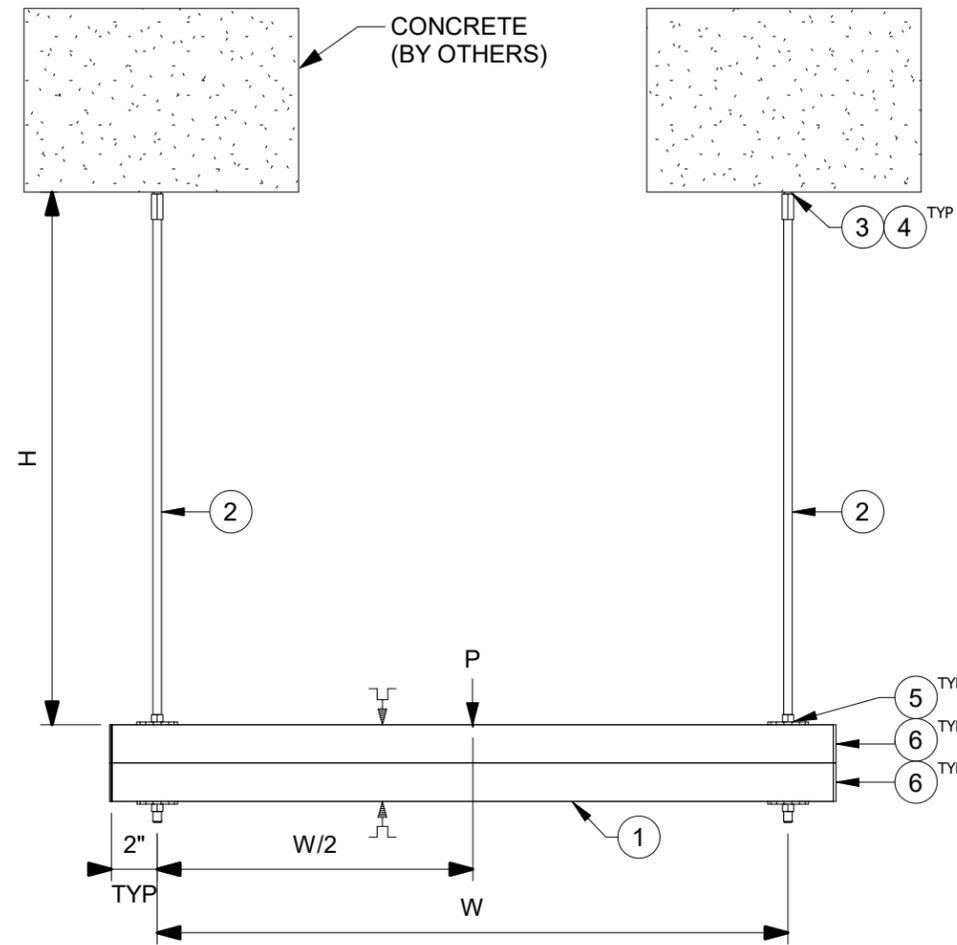
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PROJECT NUMBER:

PROJECT	JOB	SHEET
TR5S1	13	01

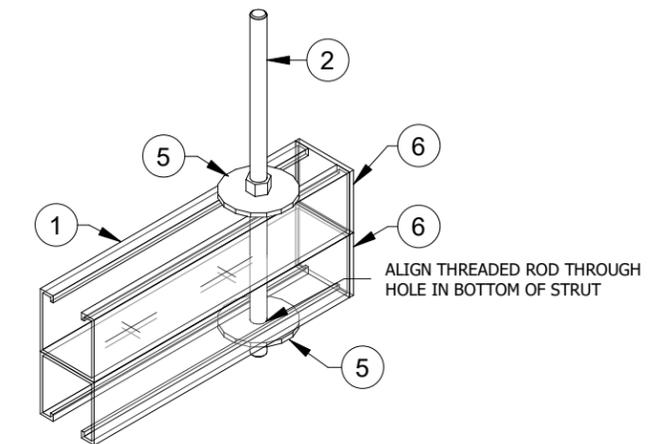


1 ISOMETRIC
(SCALE N.T.S.)

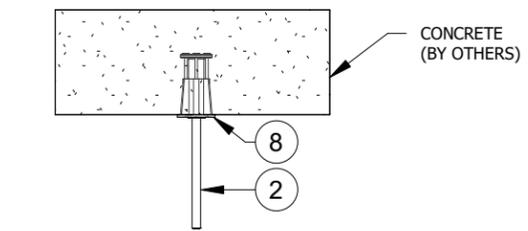


2 ELEVATION
(SCALE N.T.S.)

TRAPEZE MT40D C1			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268518	I-Channel MT-40D	1
2	257964	Threaded rod zinc 3/8" x 6' 25 pk	2
3	2210237	STUD ANCHOR KB-TZ2 3/8x3 1/2	2
4	411747	Zinc rod coupler 3/8"	2
5	2293068	Trapeze wheel MQZ-TW-3/8"	4
6	2273643	Channel End Cap MT-EC-40/50	4
ALTERNATE MT40D C1			
MARK	ITEM NO.	DESCRIPTION	QTY.
8	2268101	Kwik Cast Connect KCC-WF 3/8	2



3 ENLARGED DETAIL
(SCALE N.T.S.)



4 ALTERNATE DETAIL
(SCALE N.T.S.)

NOTE(S):

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

C. TYPICAL SUPPORT DESIGN IS BASED ON 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 REDUCED 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-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".

H. FOR ALTERNATE ANCHOR SOLUTIONS, CONTACT HILTI.

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

TABLE B				
	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	1100	810	510

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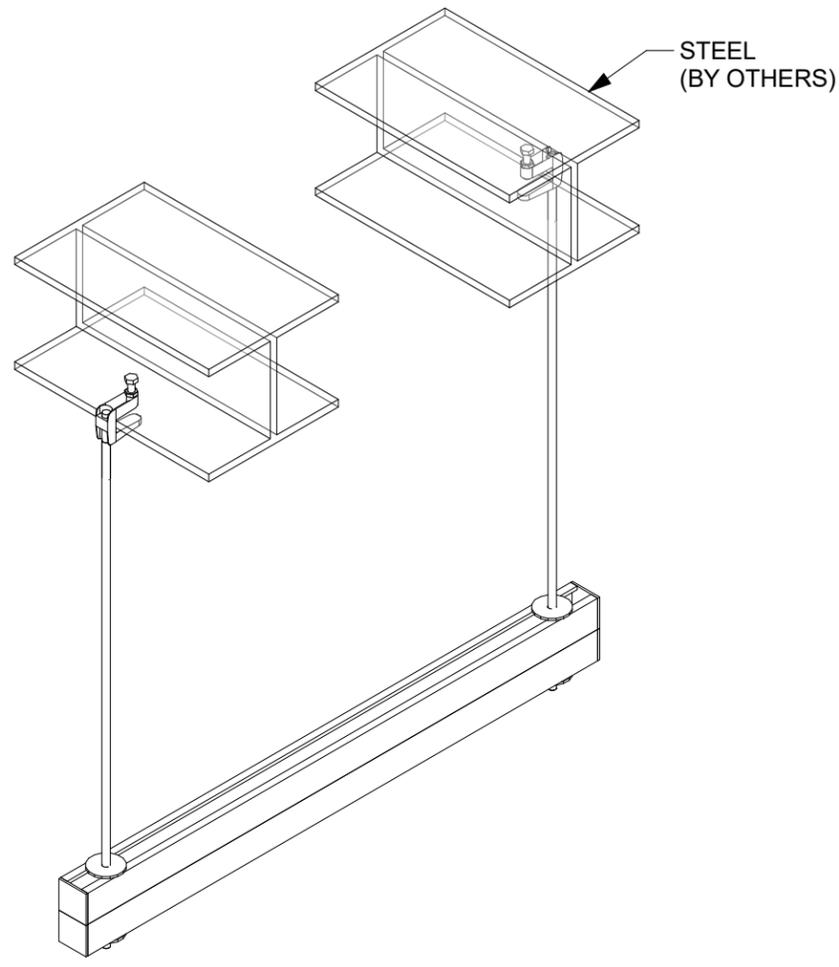
REVISION HISTORY			
NO.	DESCRIPTION:	DATE:	DRW:
A	ISSUED FOR REVIEW	09/14/2021	CWH
B	ISSUED FOR BU USE	10/29/2021	CWH
C	RE-ISSUE FOR BU USE (UPDATED NOTES)	01/05/2022	CWH
D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

PROJECT NAME: **TRAPEZE MT40D C1**

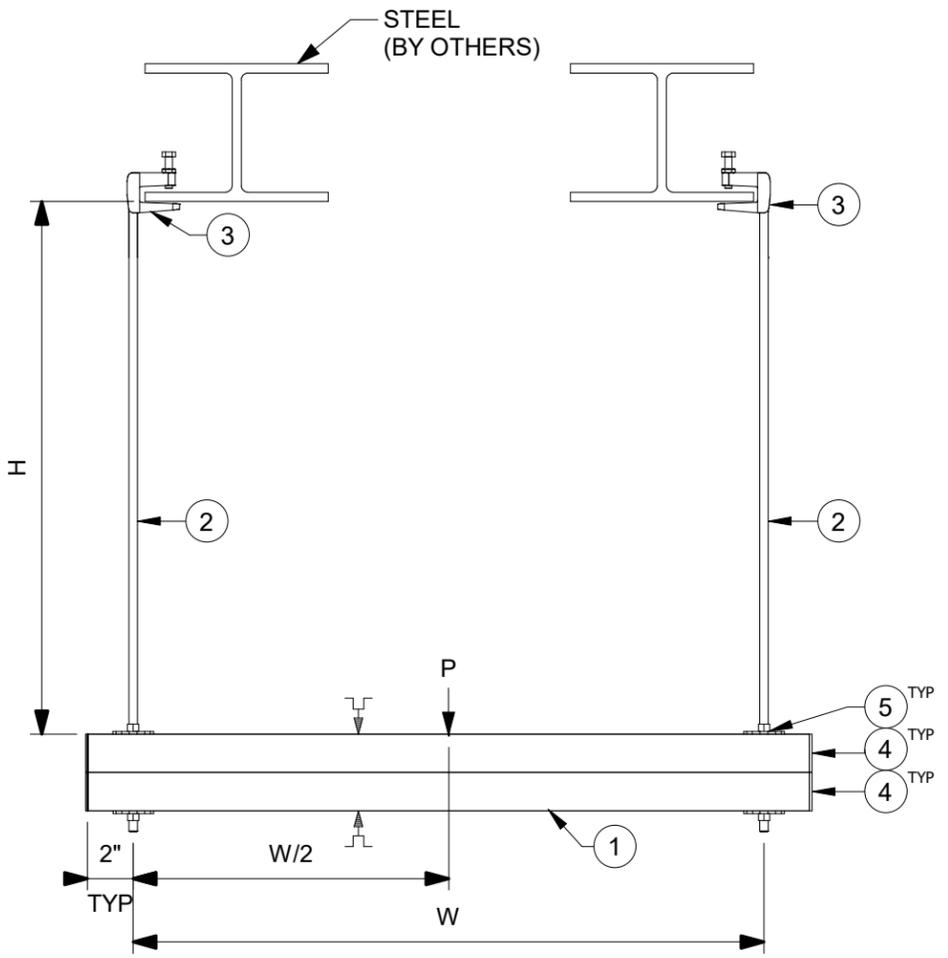
PROJECT DESCRIPTION: **TRAPEZE MT40D C1**

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PAPER SIZE: ANSI B		PROJECT NUMBER:	
		PROJECT	JOB
		TR4DC1	09
		SHEET	01

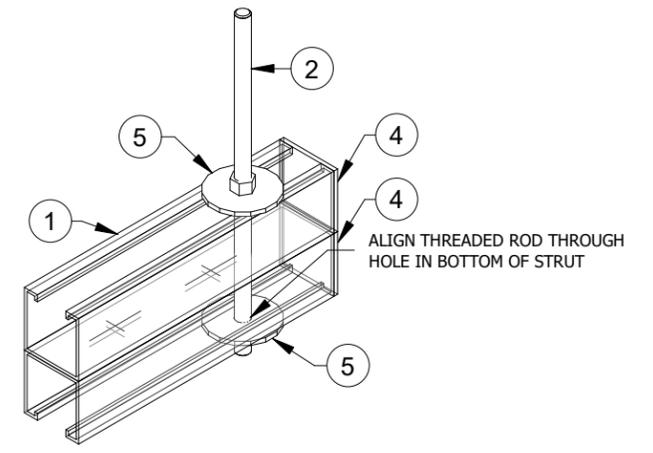
TRAPEZE MT40D S1			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268518	I.-Channel MT-40D	1
2	257964	Threaded rod zinc 3/8" x 6' 25 pk	2
3	306600	Beam clamp BC-EG 3/8"	2
4	2273643	Channel End Cap MT-EC-40/50	4
5	2293068	Trapeze wheel MQZ-TW-3/8"	4



1 ISOMETRIC
(SCALE N.T.S.)



2 ELEVATION
(SCALE N.T.S.)



3 ENLARGED DETAIL
(SCALE 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 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. FOR ALTERNATE SOLUTIONS TO ATTACH TO STEEL, CONTACT HILTI.

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

TABLE B				
	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	500	500	490

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REVISION HISTORY			
NO.	DESCRIPTION:	DATE:	DRW:
A	ISSUED FOR REVIEW	09/14/2021	CWH
B	ISSUED FOR BU USE	10/29/2021	CWH
C	RE-ISSUE FOR BU USE (UPDATED NOTES)	01/05/2022	CWH
D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

PROJECT NAME:
TRAPEZE MT40D S1

PROJECT DESCRIPTION:
TRAPEZE MT40D S1

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
CWH	ASB	KDM	YY
PAPER SIZE: ANSI B		PROJECT NUMBER: PROJECT JOB SHEET TR4DS1 12 01	

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A

B

C

D

E

F

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B

C

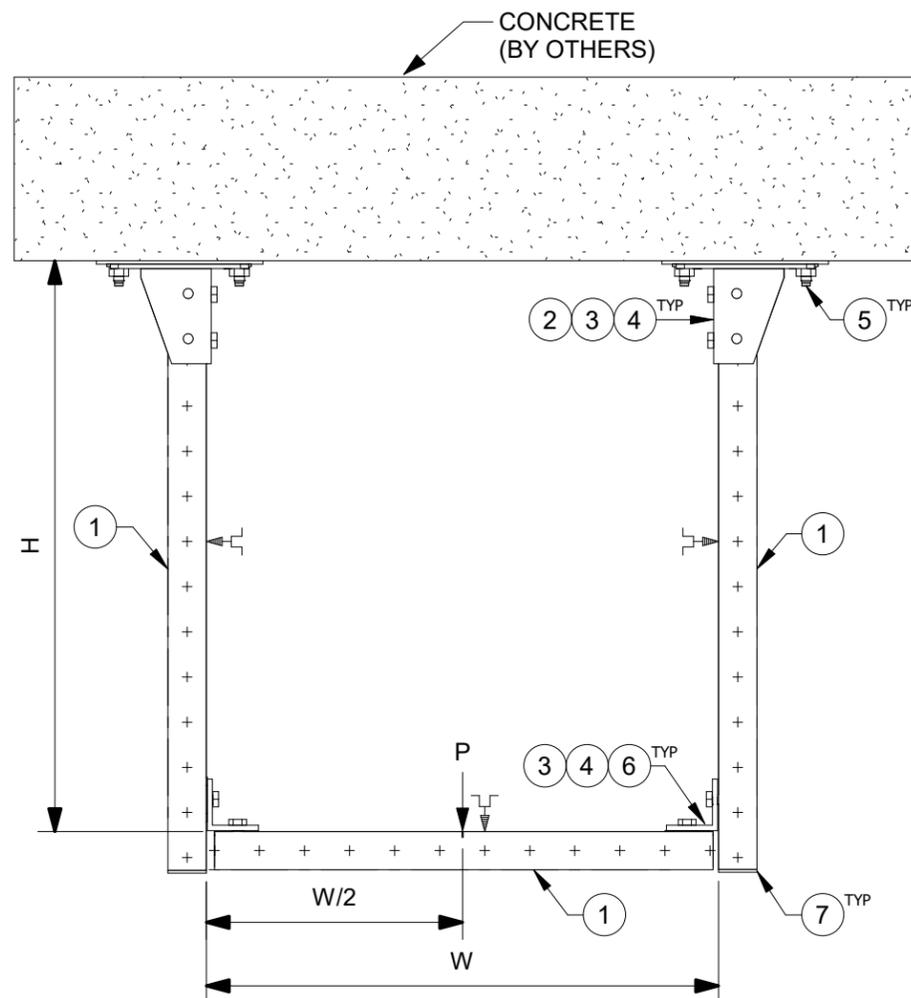
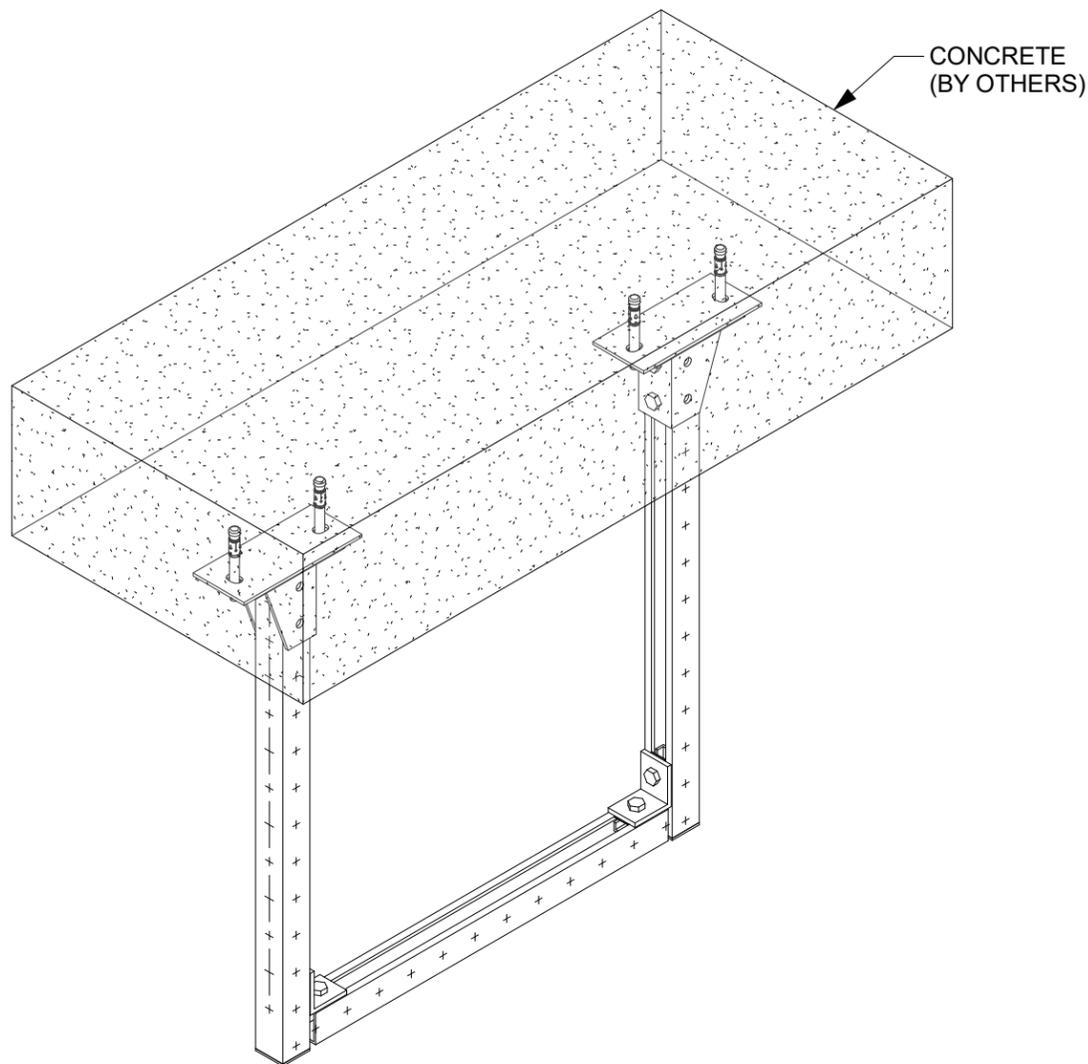
D

E

F

TRAPEZE MT50 C2

MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268510	I-Channel MT-50	3
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



1 ISOMETRIC
(SCALE N.T.S.)

2 ELEVATION
(SCALE N.T.S.)

NOTE(S):

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

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

TABLE A				
Max H, in	48	48	48	
W, in	24	48	72	
ALLOWABLE LOADS, lbs	Vertical (P)	815	420	195

TABLE B				
Max H, in	48	48	48	
W, in	24	48	72	
ALLOWABLE LOADS, lbs	Vertical (P)	815	360	195

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REVISION HISTORY

NO.	DESCRIPTION:	DATE:	DRW:
A	ISSUED FOR REVIEW	09/14/2021	CWH
B	ISSUED FOR BU USE	10/29/2021	CWH
C	RE-ISSUE FOR BU USE (UPDATED NOTES)	01/05/2022	CWH
D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

PROJECT NAME:

TRAPEZE MT50 C2

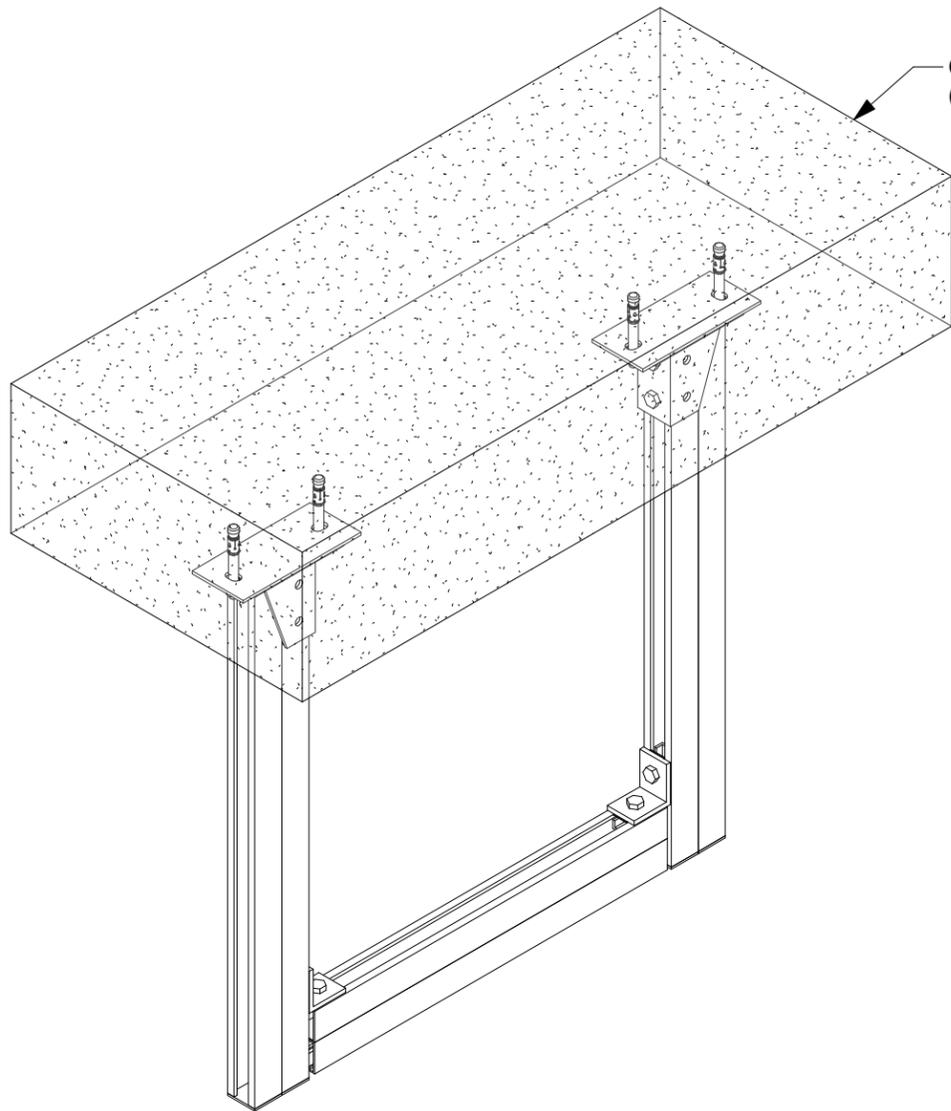
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TRAPEZE MT50 C2

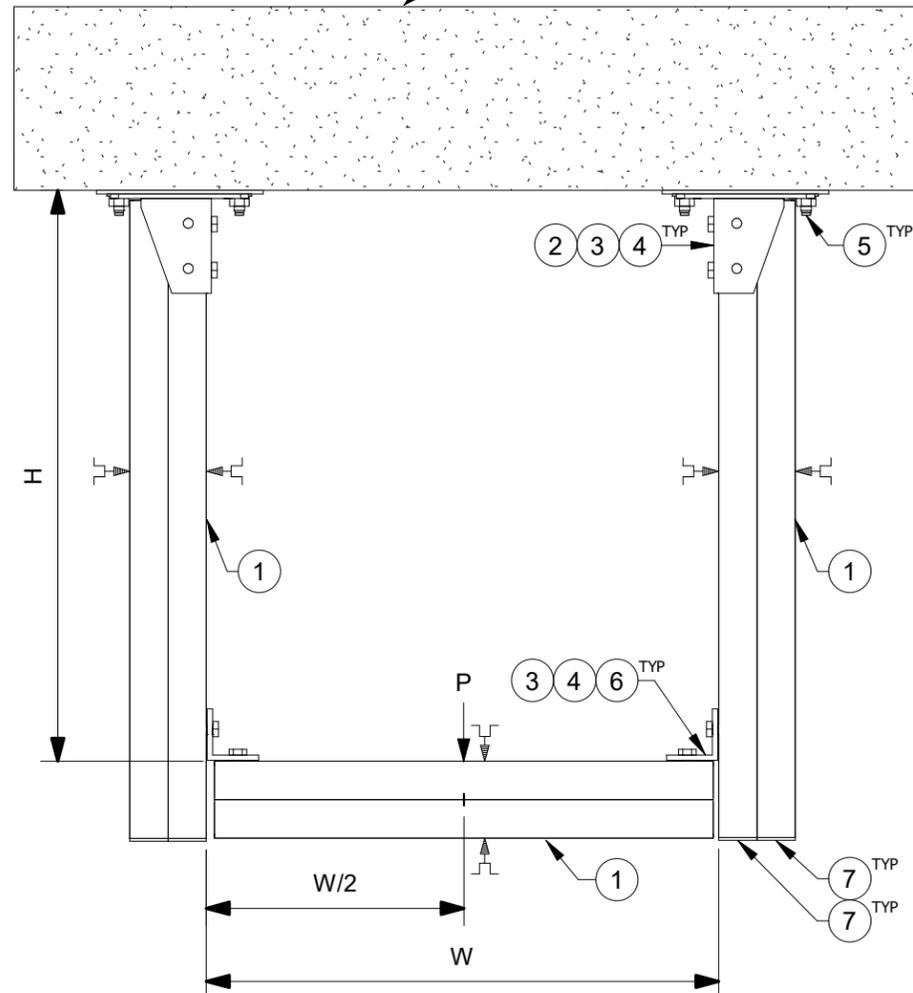


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1 ISOMETRIC
(SCALE N.T.S.)



2 ELEVATION
(SCALE N.T.S.)

TRAPEZE MT40D C2			
MARK	ITEM NO.	DESCRIPTION	QTY.
1	2268518	I.-Channel MT-40D	3
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	4

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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.

TABLE A				
	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	1430	850	575

TABLE B				
	Max H, in	48	48	48
	W, in	24	48	72
ALLOWABLE LOADS, lbs	Vertical (P)	1400	810	510

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B	ISSUED FOR BU USE	10/29/2021	CWH
C	RE-ISSUE FOR BU USE (UPDATED NOTES)	01/05/2022	CWH
D	RE-ISSUE FOR BU USE (UPDATED NOTES, TABLES)	03/22/2022	CWH

PROJECT NAME:

TRAPEZE MT40 D C2

PROJECT DESCRIPTION:

TRAPEZE MT40 D C2



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PAPER SIZE:		PROJECT NUMBER:	
ANSI B	TR4DC2	06	01