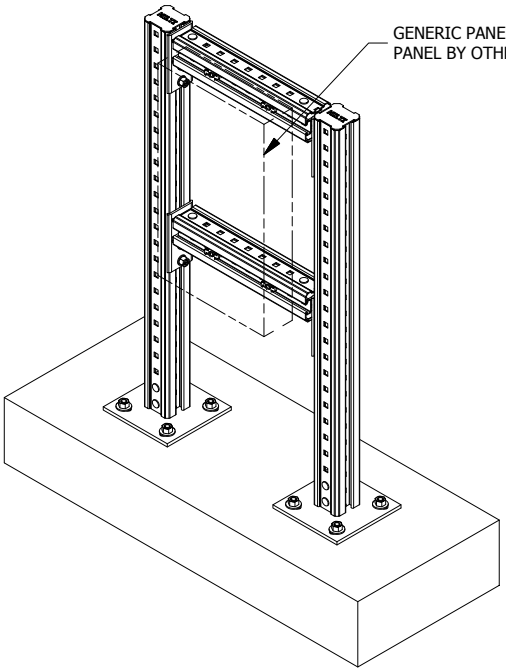
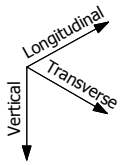
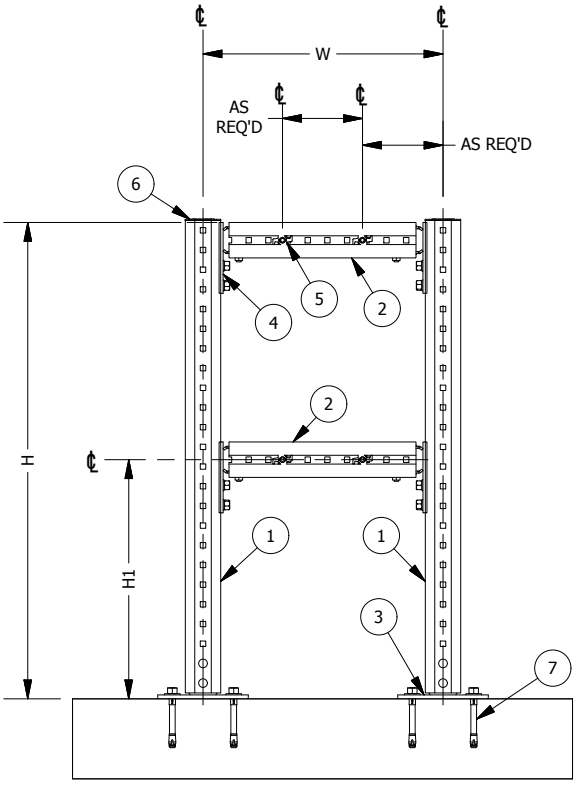
Piece Mark	Item No.*	Description	Qty.*
1	2119866	GIRDER MIQ-90	2
2	2119866	GIRDER MIQ-90	2
3	2120144	MIQC-C90 BASE PLATE	2
4	2134818	MIQC-90-HT-V	4
5	2183584	MIQM 3/8" WING NUT	**
6	432077	END CAP - MIA-EC-90	2
7	VARIES	USE APPROPRIATE HILTI ANCHOR	8

** ASSUME 4 PER PANEL



ISOMETRIC
(SCALE 5/8"=1'-0")





ELEVATION
(SCALE 5/8"=1'-0")

	Max W, in	48
	Max H, in	78
	Max H1, in	42
LRFD, lbs	Transverse	400
	Longitudinal	340
ASD, lbs	Transverse	280
	Longitudinal	100

A. RATED FOR 200 LBS FACTORED VERTICAL LOAD (LRFD).
B. RATED FOR 200 LBS ALLOWABLE VERTICAL LOAD (ASD).
C. ANCHOR CAPACITY NOT CONSIDERED.

NOTES:
1. THIS DRAWING REPRESENTS A COMMON CONFIGURATION FOR THIS APPLICATION. THE ELECTRICAL AND INSTRUMENTATION SUPPORT IS LOAD RATED AND DIMENSIONALLY LIMITED BASED ON HILTI -PUBLISHED STATIC LOAD DATA AND DESIGN METHODOLOGIES, AND GENERIC, NON-PROJECT SPECIFIC DESIGN ASSUMPTIONS. THE ENGINEERING OF RECORD SHALL EVALUATE THIS SUPPORT TO DETERMINE ITS SUITABILITY FOR THE ACTUAL, PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.
2. ALL LOADS ASSUMED TO ACT AT THE CENTER OF THE HORIZONTAL SUPPORT BEAMS, NO ECCENTRIC LOADS INCLUDED. PANEL/INSTRUMENT CONNECTION HARDWARE MUST BE CHECKED SEPARATELY.
3. DESIGN ASSUMPTIONS: IBC 2012 BUILDING CODE; SEE TABLE FOR DESIGN LOADS (STATIC U.N.O.).
4. REFER TO COMPONENT MANUFACTURER'S IFU'S FOR REQUIRED INSTALLATION INFORMATION.
5. FOR APPLICABLE CONCRETE OR STEEL ANCHOR DESIGN CONTACT HILTI OR THE PROJECT SITE ENGINEER OF RECORD.

REVISION HISTORY		
NO:	DESCRIPTION:	DATE:
A	NOT FOR CONSTRUCTION	10/06/2017

PROJECT NAME:
TYPICAL DETAILS
TD-EI-GP121-C

PROJECT DESCRIPTION:
ELECTRICAL & INSTRUMENTATION PANEL STAND

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	BAP	OMO	JWP

PAPER SIZE: ANSI A

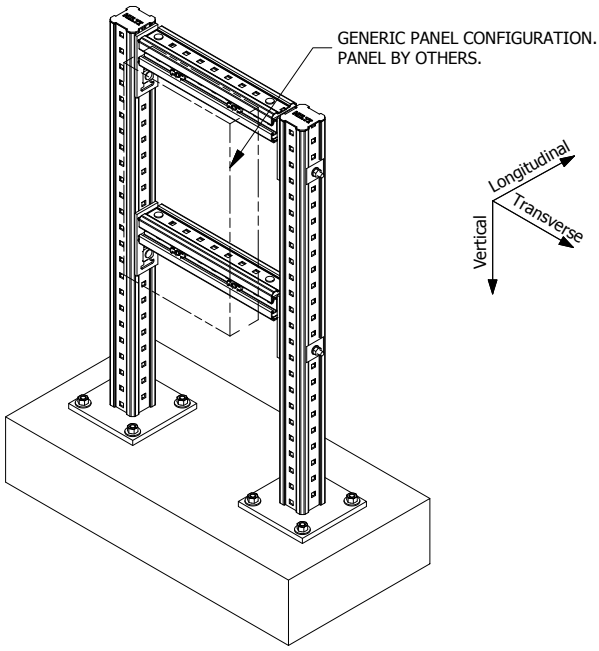
PROJECT NUMBER:

PROJECT	JOB	SHEET
10017 -	EI -	1

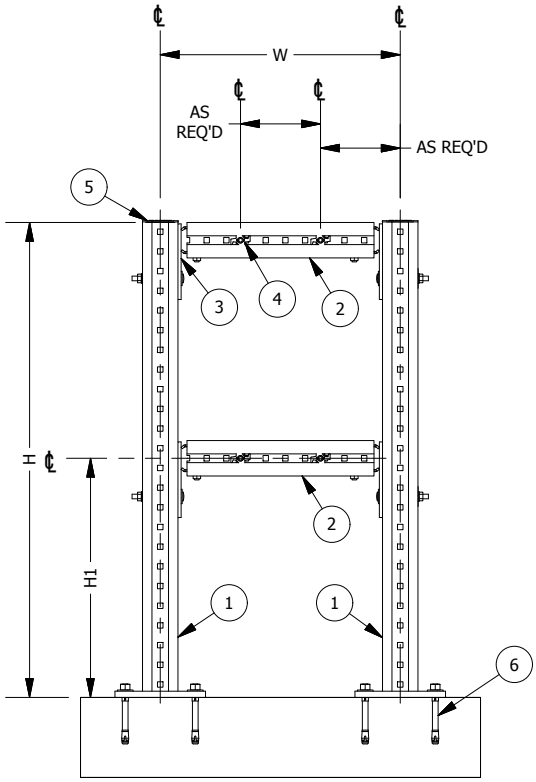
C:\Hilti Vault\Designs\Projects\10000 Internal Projects\10017 Typicals\E&I STANDS\TD-I

Piece Mark	Item No.*	Description	Qty.*
1	2174682	MIC-C90-DH WELDED BRACKET	2
2	2119866	GIRDER MIQ-90	2
3	2140258	CONNECTOR MIQC-90-MI-V	4
4	2183584	MIQM 3/8" WING NUT	**
5	432077	END CAP - MIA-EC-90	2
6	VARIES	USE APPROPRIATE HILTI ANCHOR	8

** ASSUME 4 PER PANEL



ISOMETRIC
(SCALE 5/8"=1'-0")



ELEVATION
(SCALE 5/8"=1'-0")

	Max W, in	48
	Max H, in	78
	Max H1, in	42
LRFD, lbs	Transverse	900
	Longitudinal	1520
ASD, lbs	Transverse	580
	Longitudinal	1040

A. RATED FOR 200 LBS FACTORED VERTICAL LOAD (LRFD).
B. RATED FOR 200 LBS ALLOWABLE VERTICAL LOAD (ASD).
C. ANCHOR CAPACITY NOT CONSIDERED.

NOTES:
1. THIS DRAWING REPRESENTS A COMMON CONFIGURATION FOR THIS APPLICATION. THE ELECTRICAL AND INSTRUMENTATION SUPPORT IS LOAD RATED AND DIMENSIONALLY LIMITED BASED ON HILTI -PUBLISHED STATIC LOAD DATA AND DESIGN METHODOLOGIES, AND GENERIC, NON-PROJECT SPECIFIC DESIGN ASSUMPTIONS. THE ENGINEERING OF RECORD SHALL EVALUATE THIS SUPPORT TO DETERMINE ITS SUITABILITY FOR THE ACTUAL, PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.
2. ALL LOADS ASSUMED TO ACT AT THE CENTER OF THE HORIZONTAL SUPPORT BEAMS, NO ECCENTRIC LOADS INCLUDED. PANEL/INSTRUMENT CONNECTION HARDWARE MUST BE CHECKED SEPARATELY.
3. DESIGN ASSUMPTIONS: IBC 2012 BUILDING CODE; SEE TABLE FOR DESIGN LOADS (STATIC U.N.O.).
4. REFER TO COMPONENT MANUFACTURER'S IFU'S FOR REQUIRED INSTALLATION INFORMATION.
5. FOR APPLICABLE CONCRETE OR STEEL ANCHOR DESIGN CONTACT HILTI OR THE PROJECT SITE ENGINEER OF RECORD.

REVISION HISTORY		
NO:	DESCRIPTION:	DATE:
A	NOT FOR CONSTRUCTION	10/06/2017

PROJECT NAME:
TYPICAL DETAILS
TD-EI-GP122-C

PROJECT DESCRIPTION:
ELECTRICAL & INSTRUMENTATION PANEL STAND

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	BAP	OMO	JWP

PAPER SIZE: ANSI A

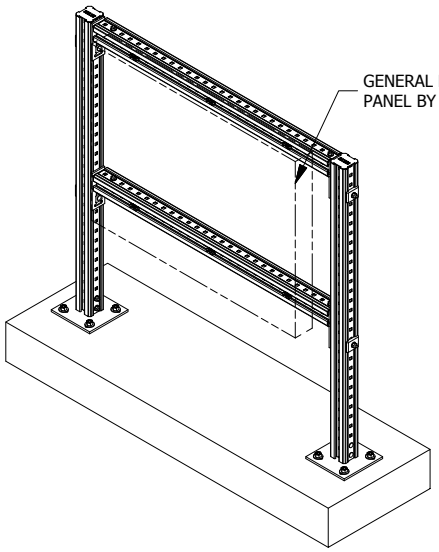
PROJECT NUMBER:

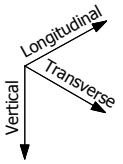
PROJECT	JOB	SHEET
10017 -	EI -	1

C:\Hilti Vault\Designs\Projects\10000 Internal Projects\10017 Typicals\E&I STANDS\TD-I

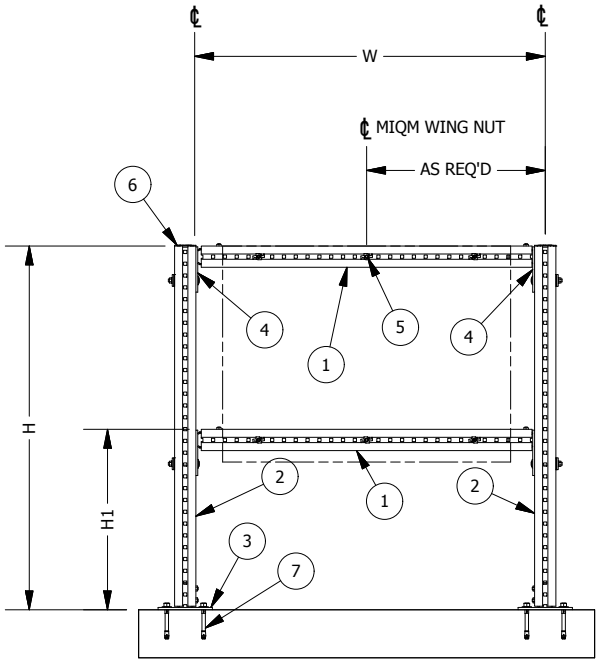
Piece Mark	Item No.*	Description	Qty.*
1	2119866	GIRDER MIQ-90	2
2	2119866	GIRDER MIQ-90	2
3	2120144	MIQC-C90 BASE PLATE	2
4	2140258	CONNECTOR MIQC-90-MI-V	4
5	2183584	MIQM 3/8" WING NUT	**
6	432077	END CAP - MIA-EC-90	2
7	VARIES	USE APPROPRIATE HILTI ANCHOR	8

** ASSUME 4 PER PANEL





ISOMETRIC
(SCALE 3/8"=1'-0")



ELEVATION
(SCALE 3/8"=1'-0")

	Max W, in	48
	Max H, in	78
	Max H1, in	42
LRFD, lbs	Transverse	400
	Longitudinal	200
ASD, lbs	Transverse	280
	Longitudinal	140

A. RATED FOR 200 LBS FACTORED VERTICAL LOAD (LRFD).
B. RATED FOR 200 LBS ALLOWABLE VERTICAL LOAD (ASD).
C. ANCHOR CAPACITY NOT CONSIDERED.

NOTES:
1. THIS DRAWING REPRESENTS A COMMON CONFIGURATION FOR THIS APPLICATION. THE ELECTRICAL AND INSTRUMENTATION SUPPORT IS LOAD RATED AND DIMENSIONALLY LIMITED BASED ON HILTI -PUBLISHED STATIC LOAD DATA AND DESIGN METHODOLOGIES, AND GENERIC, NON-PROJECT SPECIFIC DESIGN ASSUMPTIONS. THE ENGINEERING OF RECORD SHALL EVALUATE THIS SUPPORT TO DETERMINE ITS SUITABILITY FOR THE ACTUAL, PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.
2. ALL LOADS ASSUMED TO ACT AT THE CENTER OF THE HORIZONTAL SUPPORT BEAMS, NO ECCENTRIC LOADS INCLUDED. PANEL/INSTRUMENT CONNECTION HARDWARE MUST BE CHECKED SEPARATELY.
3. DESIGN ASSUMPTIONS: IBC 2012 BUILDING CODE; SEE TABLE FOR DESIGN LOADS (STATIC U.N.O.).
4. REFER TO COMPONENT MANUFACTURER'S IFU'S FOR REQUIRED INSTALLATION INFORMATION.
5. FOR APPLICABLE CONCRETE OR STEEL ANCHOR DESIGN CONTACT HILTI OR THE PROJECT SITE ENGINEER OF RECORD.

REVISION HISTORY		
NO:	DESCRIPTION:	DATE:
A	NOT FOR CONSTRUCTION	10/06/2017

PROJECT NAME:

TYPICAL DETAILS
TD-EI-GP123-C

PROJECT DESCRIPTION:

ELECTRICAL & INSTRUMENTATION PANEL STAND

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	OMO	JWP

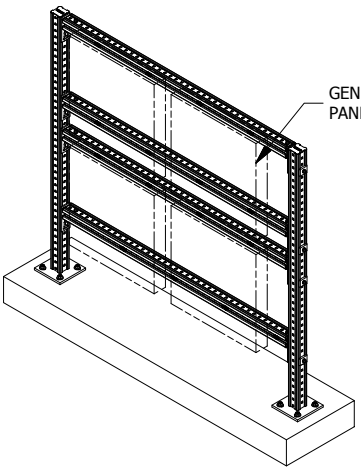
PAPER SIZE: ANSI A

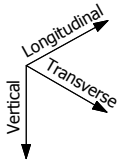
PROJECT NUMBER:

PROJECT	JOB	SHEET
10017 -	EI -	1

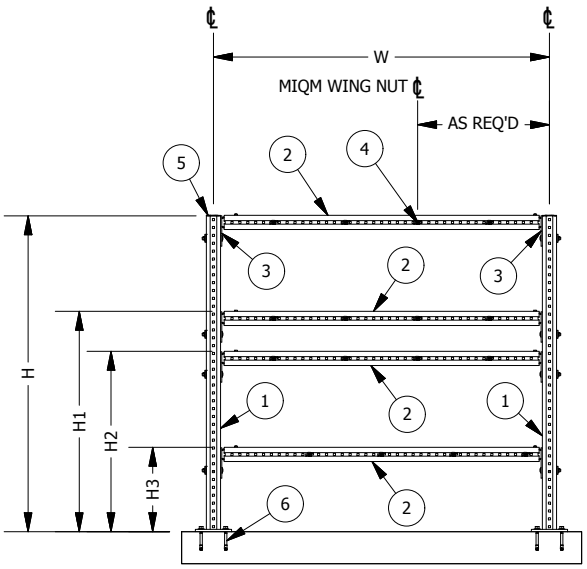
Piece Mark	Item No.*	Description	Qty.*
1	2174682	BRACKET MIC-C90-DH-2000 *	2
2	2119866	GIRDER MIQ-90	4
3	2140258	CONNECTOR MIQC-90-MI-V	8
4	2183584	MIQM 3/8" WING NUT	**
5	432077	END CAP - MIA-EC-90	2
6	VARIES	USE APPROPRIATE HILTI ANCHOR	8

** ASSUME 4 PER PANEL





ISOMETRIC
(SCALE 1/4"=1'-0")



	Max W, in	84
	Max H, in	78
	Max H1, in	54
	Max H2, in	42
	Max H3, in	18
LRFD, lbs	Transverse	1600
	Longitudinal	1840
ASD, lbs	Transverse	1100
	Longitudinal	1120

A. RATED FOR 800 LBS FACTORED VERTICAL LOAD (LRFD).
B. RATED FOR 800 LBS ALLOWABLE VERTICAL LOAD (ASD).
C. ANCHOR CAPACITY NOT CONSIDERED.

ELEVATION
(SCALE 1/4"=1'-0")

NOTES:
1. THIS DRAWING REPRESENTS A COMMON CONFIGURATION FOR THIS APPLICATION. THE ELECTRICAL AND INSTRUMENTATION SUPPORT IS LOAD RATED AND DIMENSIONALLY LIMITED BASED ON HILTI -PUBLISHED STATIC LOAD DATA AND DESIGN METHODOLOGIES, AND GENERIC, NON-PROJECT SPECIFIC DESIGN ASSUMPTIONS. THE ENGINEERING OF RECORD SHALL EVALUATE THIS SUPPORT TO DETERMINE ITS SUITABILITY FOR THE ACTUAL, PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.
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3. DESIGN ASSUMPTIONS: IBC 2012 BUILDING CODE; SEE TABLE FOR DESIGN LOADS (STATIC U.N.O.).
4. REFER TO COMPONENT MANUFACTURER'S IFU'S FOR REQUIRED INSTALLATION INFORMATION.
5. FOR APPLICABLE CONCRETE OR STEEL ANCHOR DESIGN CONTACT HILTI OR THE PROJECT SITE ENGINEER OF RECORD.

REVISION HISTORY

NO:	DESCRIPTION:	DATE:
1	NOT FOR CONSTRUCTION	10/06/2017

PROJECT NAME:

TYPICAL DETAILS
TD-EI-GP125-C

PROJECT DESCRIPTION:

ELECTRICAL & INSTRUMENTATION PANEL STAND

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	OMO	JWP

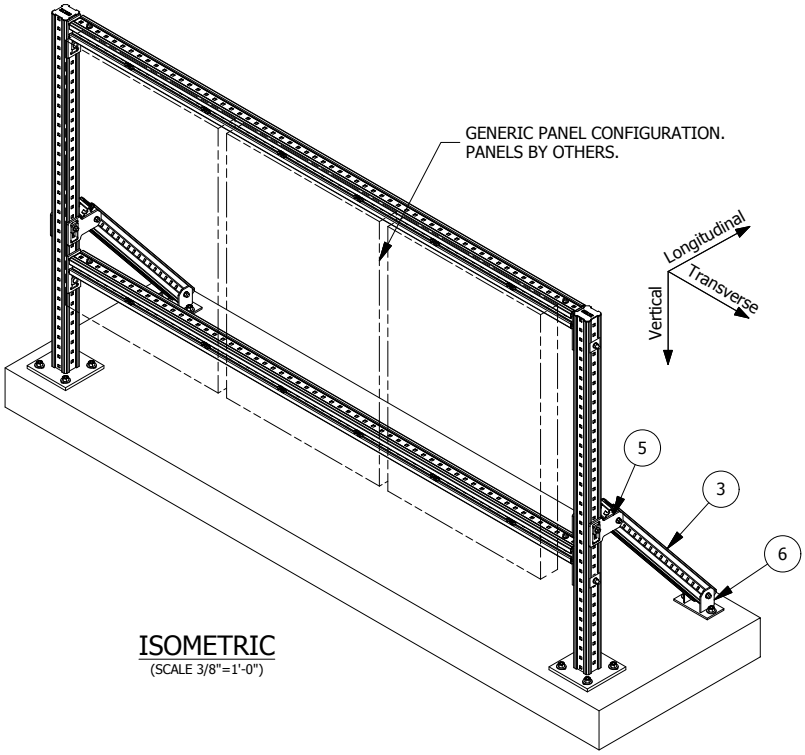
PAPER SIZE: ANSI A

PROJECT NUMBER:

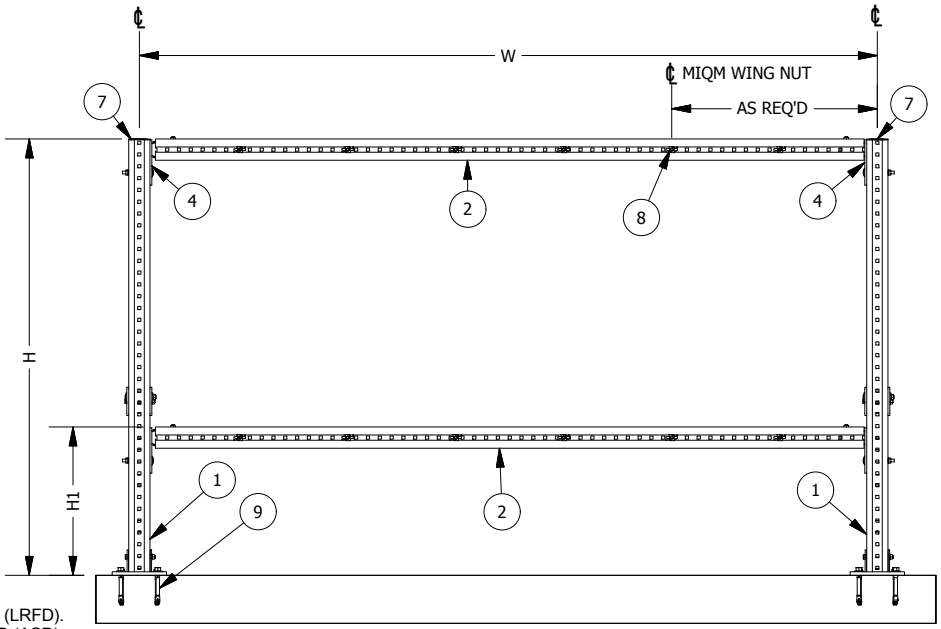
PROJECT	JOB	SHEET
10017 -	EI -	1

Piece Mark	Item No.*	Description	Qty.*
1	2174682	BRACKET MIC-C90-DH-2000	2
2	2119866	GIRDER MIQ-90	2
3	2119866	GIRDER MIQ-90	2
4	2140258	CONNECTOR MIQC-90-MI-V	4
5	304806	CONNECTOR MIC-U-MA	2
6	2174664	CONNECTOR MIC-CU-MAH CONCRETE	2
7	432077	END CAP - MIA-EC-90	2
8	2183584	MIQM 3/8" WING NUT	**
9	VARIES	USE APPROPRIATE HILTI ANCHOR	12

** ASSUME 4 PER PANEL



ISOMETRIC
(SCALE 3/8"=1'-0")



ELEVATION
(SCALE 3/8"=1'-0")

	Max W, in	120
	Max H, in	78
	Max H1, in	42
LRFD, lbs	Transverse	840
	Longitudinal	4680
ASD, lbs	Transverse	600
	Longitudinal	3120

A. RATED FOR 600 LBS FACTORED VERTICAL LOAD (LRFD).
B. RATED FOR 600 LBS ALLOWABLE VERTICAL LOAD (ASD).
C. ANCHOR CAPACITY NOT CONSIDERED.

NOTES:
1. THIS DRAWING REPRESENTS A COMMON CONFIGURATION FOR THIS APPLICATION. THE ELECTRICAL AND INSTRUMENTATION SUPPORT IS LOAD RATED AND DIMENSIONALLY LIMITED BASED ON HILTI -PUBLISHED STATIC LOAD DATA AND DESIGN METHODOLOGIES, AND GENERIC, NON-PROJECT SPECIFIC DESIGN ASSUMPTIONS. THE ENGINEERING OF RECORD SHALL EVALUATE THIS SUPPORT TO DETERMINE ITS SUITABILITY FOR THE ACTUAL, PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.
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3. DESIGN ASSUMPTIONS: IBC 2012 BUILDING CODE; SEE TABLE FOR DESIGN LOADS (STATIC U.N.O.).
4. REFER TO COMPONENT MANUFACTURER'S IFU'S FOR REQUIRED INSTALLATION INFORMATION.
5. FOR APPLICABLE CONCRETE OR STEEL ANCHOR DESIGN CONTACT HILTI OR THE PROJECT SITE ENGINEER OF RECORD.

REVISION HISTORY		
NO:	DESCRIPTION:	DATE:
A	NOT FOR CONSTRUCTION	10/09/2017

PROJECT NAME:

TYPICAL DETAILS
TD-EI-GP138-C

PROJECT DESCRIPTION:

ELECTRICAL & INSTRUMENTATION PANEL STAND

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	OMO	JWP

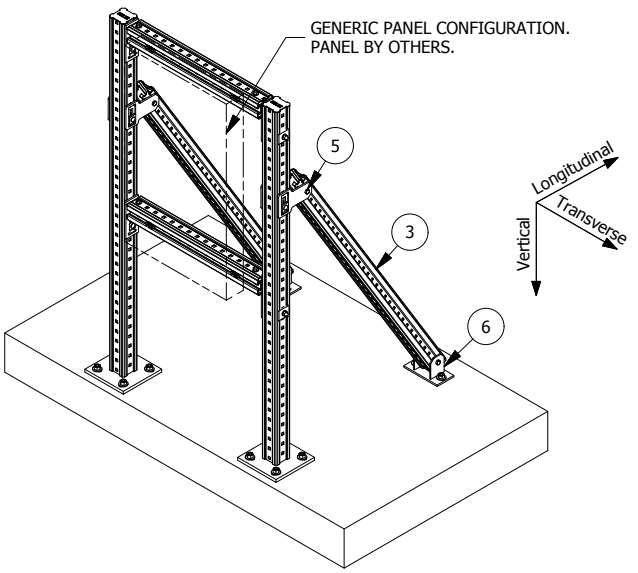
PAPER SIZE: ANSI A

PROJECT NUMBER:

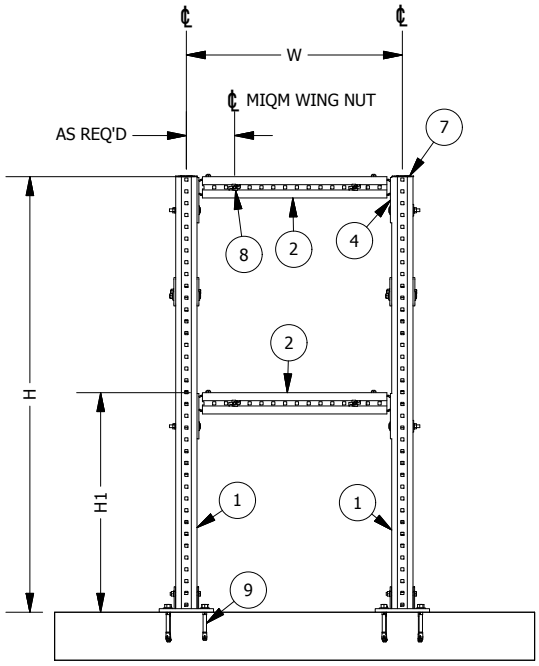
PROJECT	JOB	SHEET
10017 -	EI -	1

Piece Mark	Item No.*	Description	Qty.*
1	2174682	BRACKET MIC-C90-D-2000H	2
2	2119866	GIRDER MIQ-90	2
3	2119866	GIRDER MIQ-90	2
4	2140258	CONNECTOR MIQC-90-MI-V	4
5	304806	CONNECTOR MIC-U-MA	2
6	2174664	CONNECTOR MIC-CU-MAH CONCRETE	2
7	432077	END CAP - MIA-EC-90	2
8	2183584	MIQM 3/8" WING NUT	**
9	VARIES	USE APPROPRIATE HILTI ANCHOR	11

** ASSUME 4 PER PANEL



ISOMETRIC
(SCALE 3/8"=1'-0")



ELEVATION
(SCALE 3/8"=1'-0")

	Max W, in	48
	Max H, in	78
	Max H1, in	42
LRFD, lbs	Transverse	920
	Longitudinal	4800
ASD, lbs	Transverse	580
	Longitudinal	3320

A. RATED FOR 200 LBS FACTORED VERTICAL LOAD (LRFD).
B. RATED FOR 200 LBS ALLOWABLE VERTICAL LOAD (ASD).
C. ANCHOR CAPACITY NOT CONSIDERED.

NOTES:
1. THIS DRAWING REPRESENTS A COMMON CONFIGURATION FOR THIS APPLICATION. THE ELECTRICAL AND INSTRUMENTATION SUPPORT IS LOAD RATED AND DIMENSIONALLY LIMITED BASED ON HILTI -PUBLISHED STATIC LOAD DATA AND DESIGN METHODOLOGIES, AND GENERIC, NON-PROJECT SPECIFIC DESIGN ASSUMPTIONS. THE ENGINEERING OF RECORD SHALL EVALUATE THIS SUPPORT TO DETERMINE ITS SUITABILITY FOR THE ACTUAL, PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.
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3. DESIGN ASSUMPTIONS: IBC 2012 BUILDING CODE; SEE TABLE FOR DESIGN LOADS (STATIC U.N.O.).
4. REFER TO COMPONENT MANUFACTURER'S IFU'S FOR REQUIRED INSTALLATION INFORMATION.
5. FOR APPLICABLE CONCRETE OR STEEL ANCHOR DESIGN CONTACT HILTI OR THE PROJECT SITE ENGINEER OF RECORD.

REVISION HISTORY

NO:	DESCRIPTION:	DATE:
A	NOT FOR CONSTRUCTION	10/09/2017

PROJECT NAME:

TYPICAL DETAILS
TD-EI-GP141-C

PROJECT DESCRIPTION:

ELECTRICAL & INSTRUMENTATION PANEL STAND

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	OMO	JWP

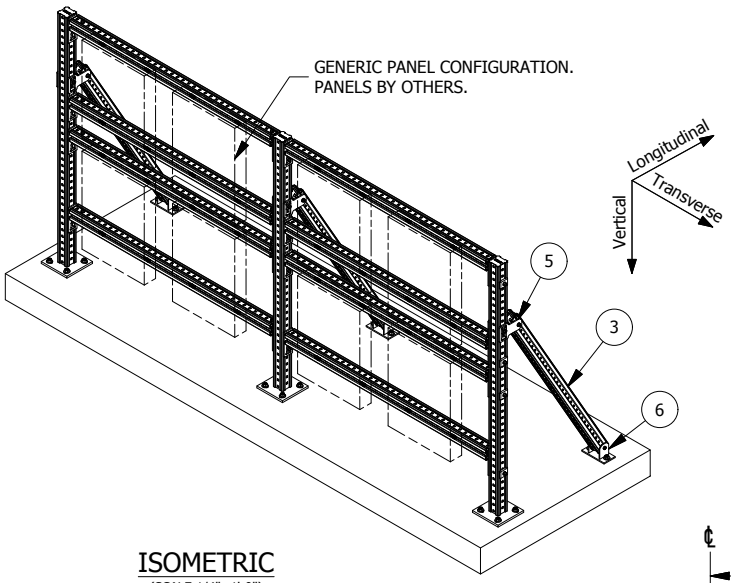
PAPER SIZE: ANSI A

PROJECT NUMBER:

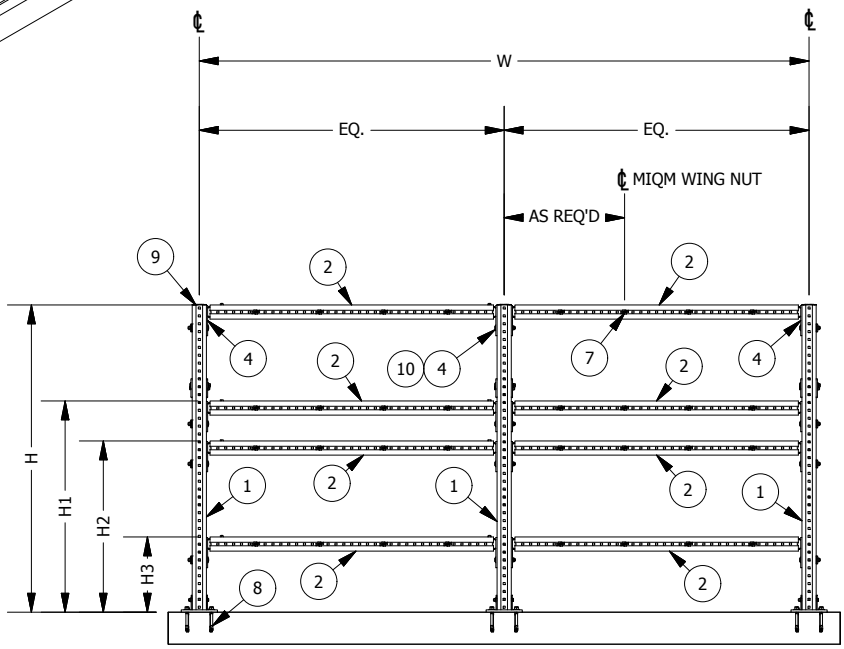
PROJECT	JOB	SHEET
10017 -	EI -	1

Piece Mark	Item No.*	Description	Qty.*
1	2174682	BRACKET MIC-C90-DH-2000	3
2	2119866	GIRDER MIQ-90	8
3	2119866	GIRDER MIQ-90	3
4	2140258	CONNECTOR MIQC-90-MI-V	12
5	304806	CONNECTOR MIC-U-MA	3
6	2174664	CONNECTOR MIC-CU-MAH CONCRETE	3
7	2183584	MIQM 3/8" WING NUT	**
8	VARIES	USE APPROPRIATE HILTI ANCHOR	18
9	432077	END CAP - MIA-EC-90	3
10	305707	TOOTHED PLATE MIA-TP	4

** ASSUME 4 PER PANEL



ISOMETRIC
(SCALE 1/4"=1'-0")



ELEVATION
(SCALE 1/4"=1'-0")

	Max W, in	120
	Max H, in	78
	Max H1, in	54
	Max H2, in	42
	Max H3, in	18
LRFD, lbs	Transverse	1800
	Longitudinal	5400
ASD, lbs	Transverse	1680
	Longitudinal	3700

A. RATED FOR 1600 LBS FACTORED VERTICAL LOAD (LRFD).
B. RATED FOR 1600 LBS ALLOWABLE VERTICAL LOAD (ASD).
C. ANCHOR CAPACITY NOT CONSIDERED.

NOTES:
1. THIS DRAWING REPRESENTS A COMMON CONFIGURATION FOR THIS APPLICATION. THE ELECTRICAL AND INSTRUMENTATION SUPPORT IS LOAD RATED AND DIMENSIONALLY LIMITED BASED ON HILTI -PUBLISHED STATIC LOAD DATA AND DESIGN METHODOLOGIES, AND GENERIC, NON-PROJECT SPECIFIC DESIGN ASSUMPTIONS. THE ENGINEERING OF RECORD SHALL EVALUATE THIS SUPPORT TO DETERMINE ITS SUITABILITY FOR THE ACTUAL, PROJECT SPECIFIC DESIGN CRITERIA AND REQUIREMENTS.
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3. DESIGN ASSUMPTIONS: IBC 2012 BUILDING CODE; SEE TABLE FOR DESIGN LOADS (STATIC U.N.O.).
4. REFER TO COMPONENT MANUFACTURER'S IFU'S FOR REQUIRED INSTALLATION INFORMATION.
5. FOR APPLICABLE CONCRETE OR STEEL ANCHOR DESIGN CONTACT HILTI OR THE PROJECT SITE ENGINEER OF RECORD.

REVISION HISTORY		
NO:	DESCRIPTION:	DATE:
A	NOT FOR CONSTRUCTION	10/06/2017

PROJECT NAME:

TYPICAL DETAILS
TD-EI-GP146-C

PROJECT DESCRIPTION:

ELECTRICAL & INSTRUMENTATION PANEL STAND

DRAWN:	CHECKED:	DESIGNED:	REVIEWED:
GAB	IDP	OMO	JWP

PAPER SIZE: ANSI A

PROJECT NUMBER:

PROJECT	JOB	SHEET
10017 -	EI -	1