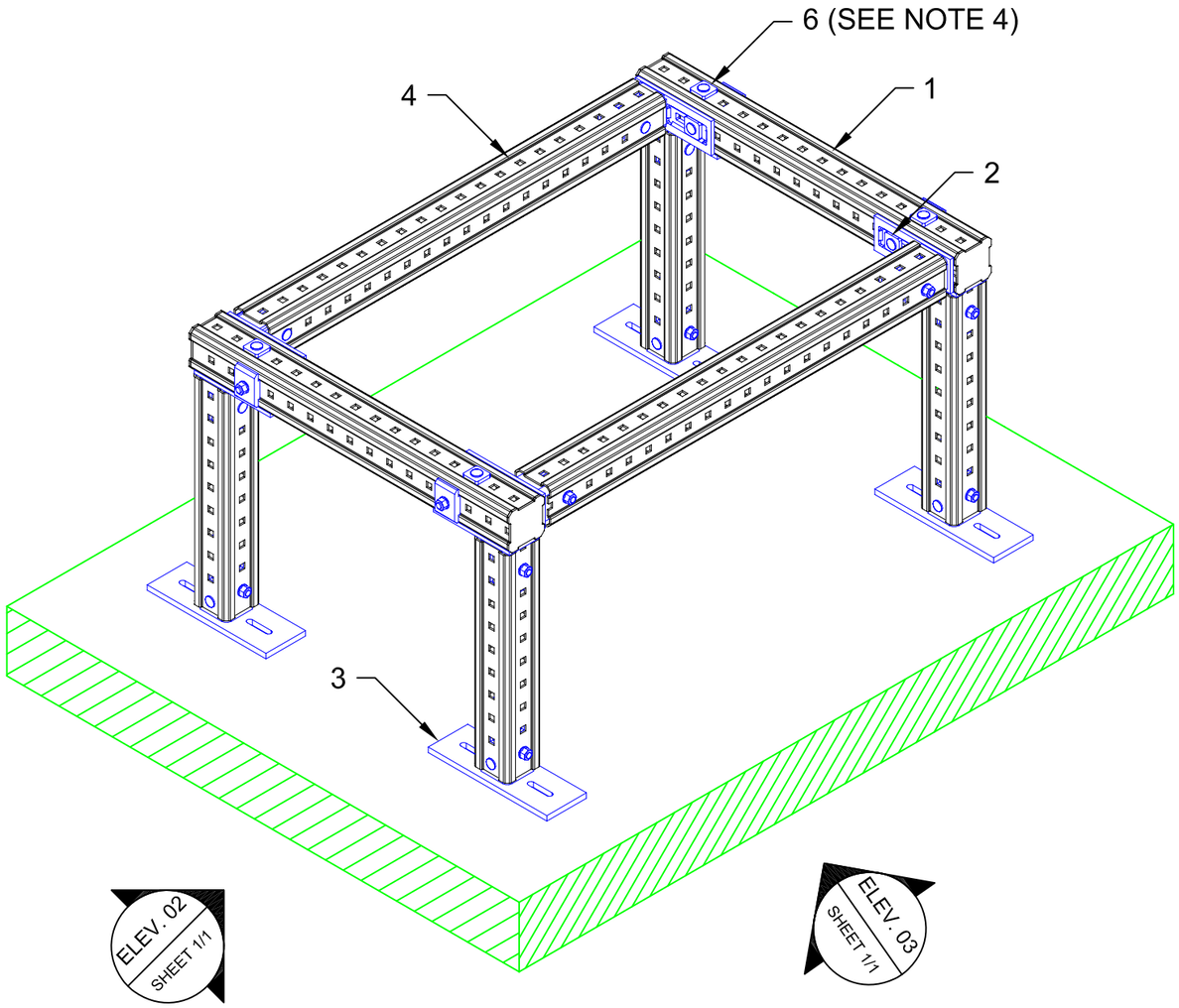
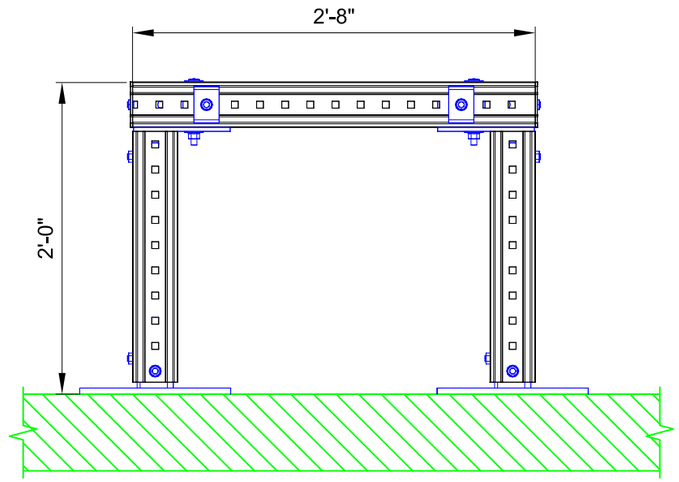
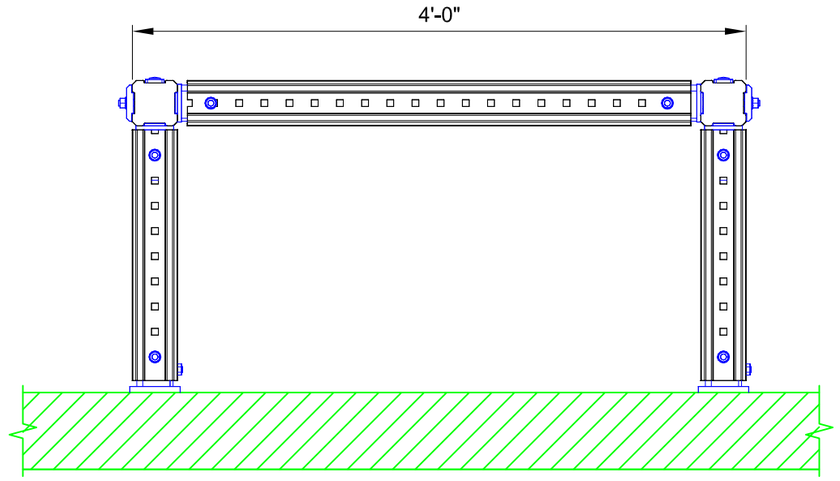



01 ISOMETRIC
N.T.S.




02 ELEVATION
N.T.S.




03 ELEVATION
N.T.S.

| No. | Unit Qty | Unit | Description | Box Qty | # Boxes Needed | Item No. |
|---|---|---|---|---|---|---|
| 1 | AS REQ'D | EA | GIRDER MI-90 3M | 1 | AS REQ'D | 304798 |
| 2 | 8 | EA | CONNECTOR MIC-90-U | 4 | 2 | 304803 |
| 3 | 4 | EA | CONNECTOR MIC-S90-AA STEEL | 2 | 2 | 304811 |
| 4 | 4 | EA | GIRDER END CAP MIA-EC90 | 25 | 1 | 432077 |
| 5 | 4 | EA | TOOTHED PLATE MIA-TP | 20 | 1 | 305707 |

NOTE(S):
1. PRELIMINARY, NOT FOR CONSTRUCTION
2. DESIGN ASSUMPTIONS:
   a. NO LOADS CONSIDERED - CONCEPT ONLY
   b. LATERAL LOADS NOT CONSIDERED
   c. BUILDING CODE:NOT SPECIFIED
   d. CORROSION RESISTANCE REQD.: NOT SPECIFIED
2. REFER TO COMPONENT MANUFACTURER'S IFUs FOR REQUIRED INSTALLATION INFO.
3. E.O.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING/ NEW SUBSTRATE CONDITIONS SHOWN HEREIN TO VALIDATE ACCEPTANCE OF THIS HILTI DESIGN PRIOR TO INSTALLATION.

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PROJECT NAME:

EQUIPMENT SUPPORT

SERVICE REQUEST DESCRIPTION:

CONTROL RACK

| DESIGNED BY: | REVIEWED BY: |
|---|---|
| KL | MES |
| DRAWN BY: | ISSUE DATE: |
| BAP | 26 FEB 15 |

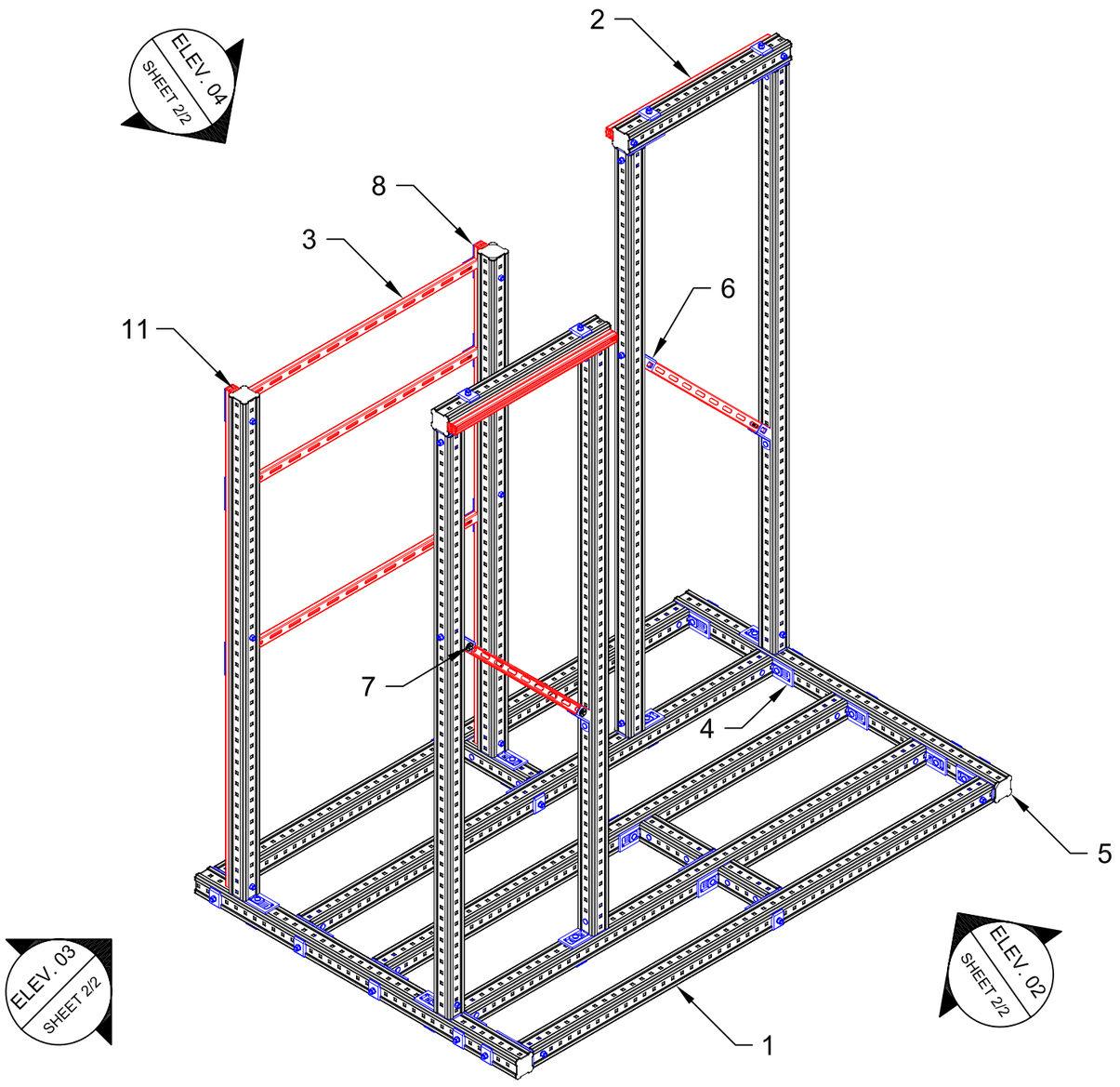
REVISIONS:

| NO: | DESCRIPTION: | DATE: |
|---|---|---|
| A | ORIGINAL ISSUE | 26 FEB 15 |

SERVICE REQUEST NUMBER:

EQP-01-NA

| DRAWING NUMBER: | SHEET: |
|---|---|
| 01 | 1/1 |




01 ISOMETRIC
N.T.S.

| No. | Unit Qty | Unit | Description | Box Qty | # Boxes Needed | Item No. |
|---|---|---|---|---|---|---|
| 1 | AS REQ'D | EA | GIRDER MI-90 6M | 1 | AS REQ'D | 304799 |
| 2 | AS REQ'D | EA | STRUT HS-158-12/HDG 10' | 1 | AS REQ'D | 407570 |
| 3 | AS REQ'D | EA | STRUT MS-1316-12/HDG 9'-10" (3M) | 1 | AS REQ'D | 407569 |
| 4 | 26 | EA | CONNECTOR MIC-90-U | 4 | 7 | 304803 |
| 5 | 10 | EA | GIRDER END CAP MIA-EC90 | 25 | 1 | 432077 |
| 6 | 4 | EA | RAIL SUPPORT MQP-45 | 10 | 1 | 369649 |
| 7 | 28 | EA | CHANNEL CONNECTOR MQN-HDG PLUS | 50 | 1 | 387779 |
| 8 | 6 | EA | CHANNEL TIE MQV-T | 10 | 1 | 369645 |
| 9 | 10 | EA | ONEHAND SCREW MIA-OH90 | 10 | 1 | 304889 |
| 10 | 10 | EA | MI HEX NUT M12-F-SL-WS 3/4" | 100 | 1 | 382897 |
| 11 | 12 | EA | CHANNEL END CAP MEK RED | 50 | 1 | 244886 |
| 12 | 1 | EA | TOOTHED PLATE MIA-TP | 20 | 1 | 305707 |

NOTE(S):
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2. DESIGN ASSUMPTIONS:
   a. NO LOADS CONSIDERED - CONCEPT ONLY
   b. LATERAL LOADS NOT CONSIDERED
   c. BUILDING CODE:NOT SPECIFIED
   d. CORROSION RESISTANCE REQD.: NOT SPECIFIED
2. REFER TO COMPONENT MANUFACTURER'S IFUs FOR REQUIRED INSTALLATION INFO.
3. E.O.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING/ NEW SUBSTRATE CONDITIONS SHOWN HEREIN TO VALIDATE ACCEPTANCE OF THIS HILTI DESIGN PRIOR TO INSTALLATION.

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PROJECT NAME:

EQUIPMENT SUPPORT

SERVICE REQUEST DESCRIPTION:

SKID

| DESIGNED BY: | REVIEWED BY: |
|---|---|
| AJV | INITIALS |
| DRAWN BY: | ISSUE DATE: |
| BAP | 26 FEB 15 |

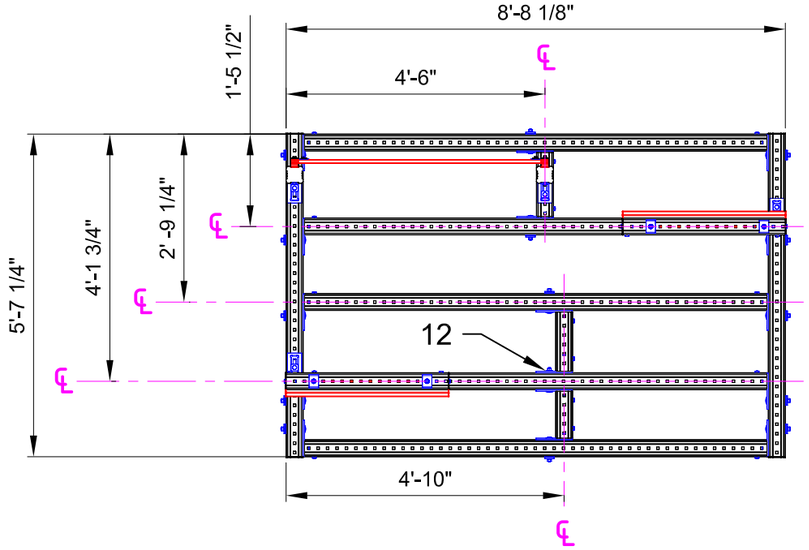
REVISIONS:

| NO: | DESCRIPTION: | DATE: |
|---|---|---|
| A | ORIGINAL ISSUE | 26 FEB 15 |

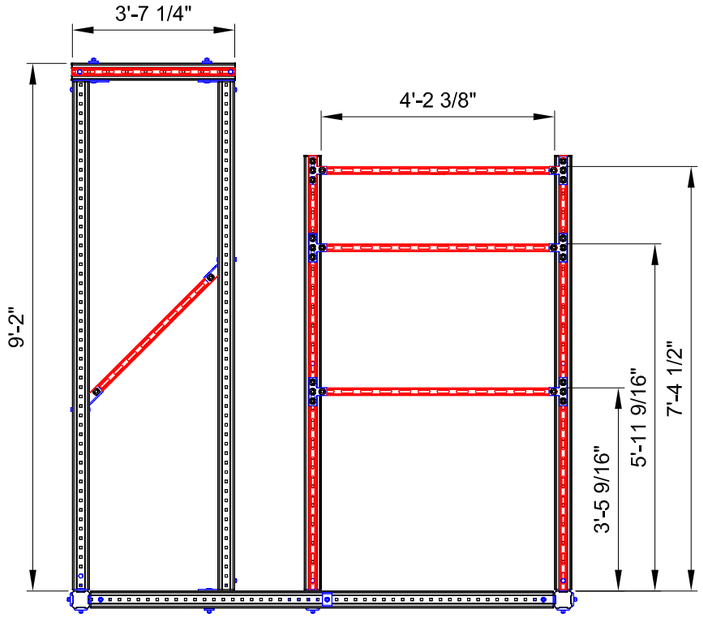
SERVICE REQUEST NUMBER:

EQP - 02 - N/A

| DRAWING NUMBER: | SHEET: |
|---|---|
| 01 | 1/2 |

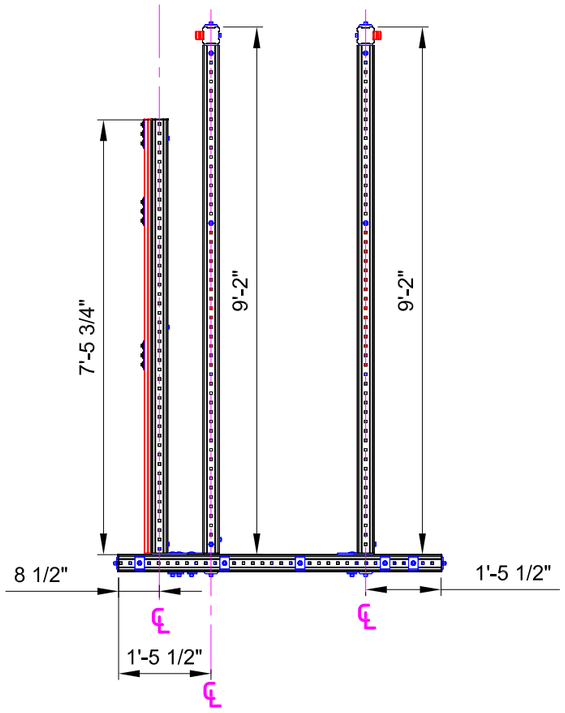



05 PLAN VIEW
N.T.S.




04 ELEVATION
N.T.S.

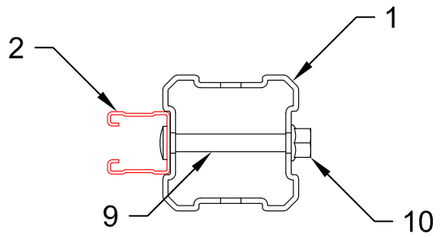
06
SHEET 2/2




03 ELEVATION
N.T.S.




02 ELEVATION
N.T.S.




06 SECTION
N.T.S.

NOTE(S):
1. REFER TO SHEET 1 FOR APPLICABLE NOTE(S).

HILTI

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.

PROJECT NAME:
EQUIPMENT SUPPORT

SERVICE REQUEST DESCRIPTION:
SKID

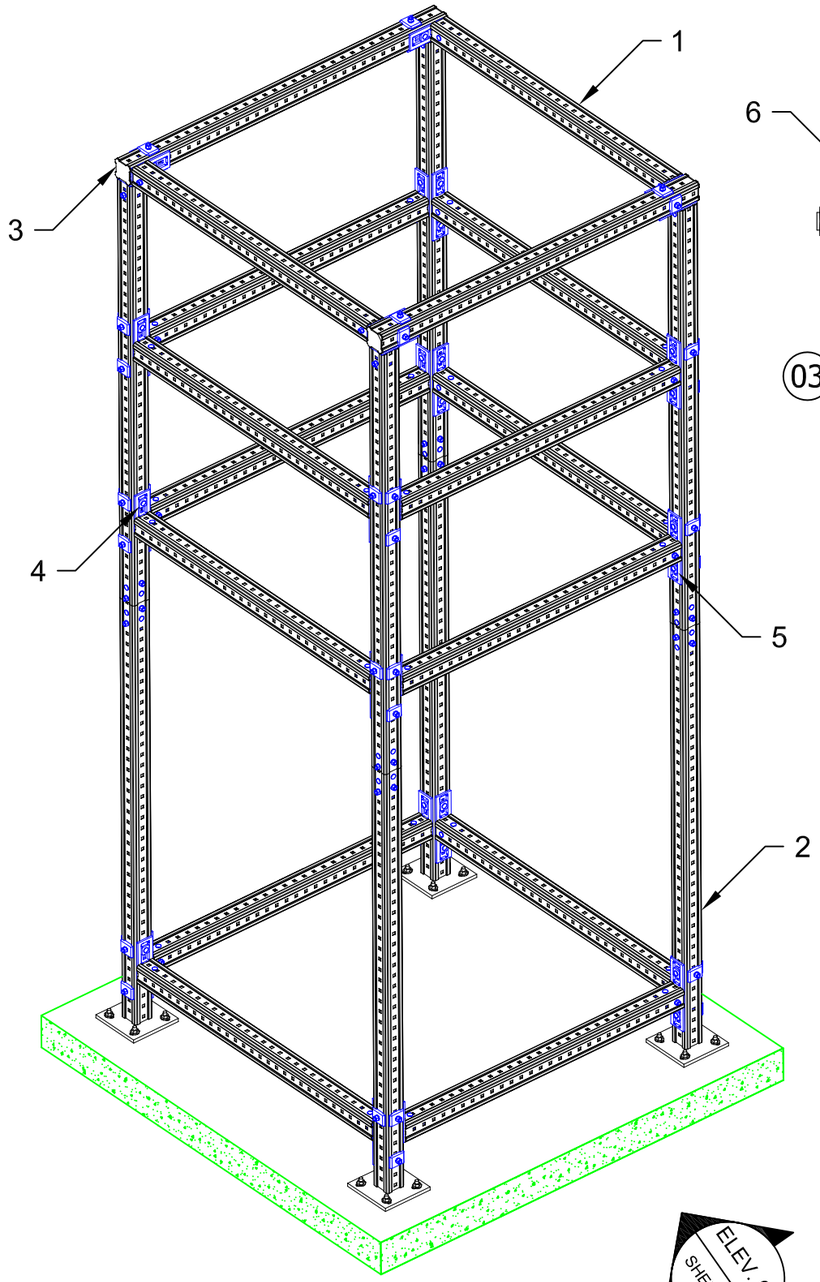
| DESIGNED BY: | REVIEWED BY: |
|---|---|
| AJV | INITIALS |
| DRAWN BY: | ISSUE DATE: |
| BAP | 26 FEB 15 |

REVISIONS:

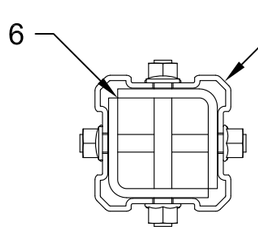
| NO: | DESCRIPTION: | DATE: |
|---|---|---|
| A | ORIGINAL ISSUE | 26 FEB 15 |

SERVICE REQUEST NUMBER:
EQP - 02 - N/A

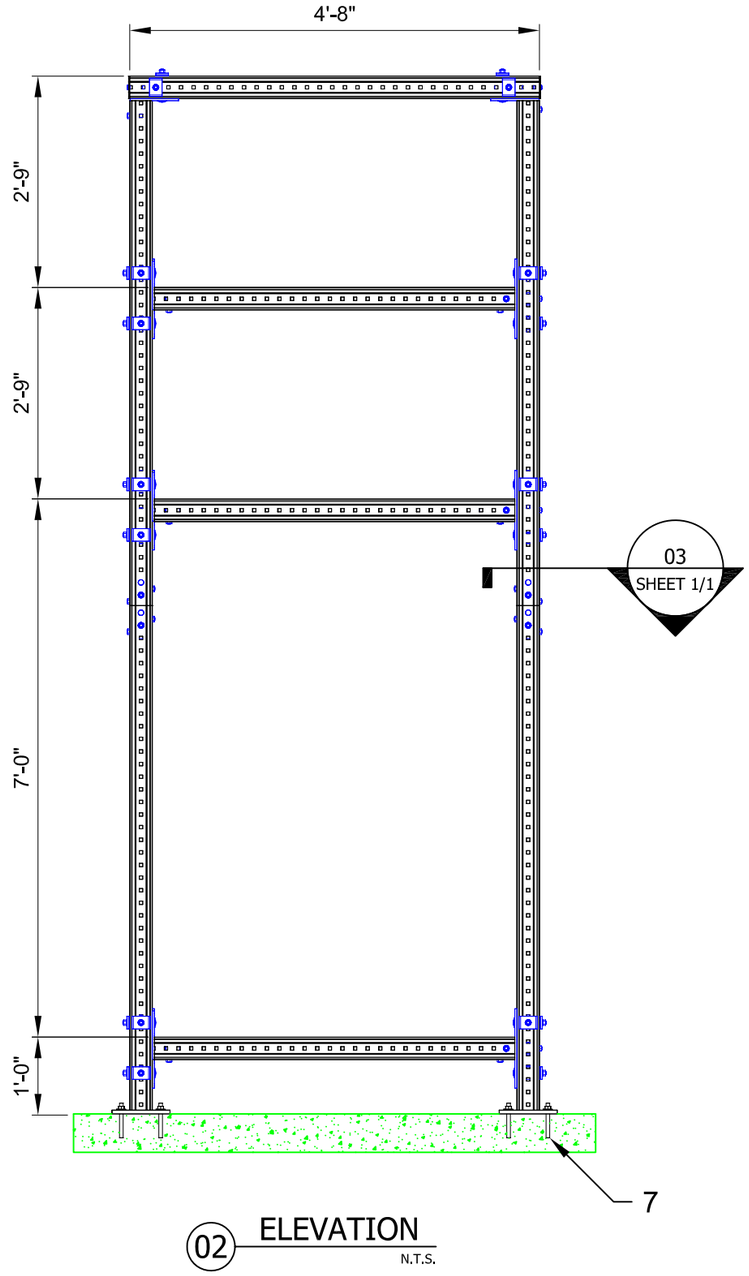
| DRAWING NUMBER: | SHEET: |
|---|---|
| 01 | 2/2 |




01 ISOMETRIC
N.T.S.




03 SECTION
N.T.S.




02 ELEVATION
N.T.S.

ELEV. 02
SHEET 1/1

| No. | Unit Qty | Unit | Description | Box Qty | # Boxes Needed | Item No. |
|---|---|---|---|---|---|---|
| 1 | AS REQ'D | EA | GIRDER MI-90 3M | 1 | AS REQ'D | 304798 |
| 2 | 4 | EA | CONNECTOR MIC-C90-D-2000 WELDED BRACKET | 1 | 4 | 267793 |
| 3 | 4 | EA | GIRDER END CAP MIA-EC90 | 25 | 1 | 432077 |
| 4 | 20 | EA | CONNECTOR MIC-90-U | 4 | 5 | 304803 |
| 5 | 12 | EA | CONNECTOR MIC-90-L | 2 | 6 | 304805 |
| 6 | 4 | EA | CONNECTOR MIC-90-E | 2 | 2 | 304809 |
| 7 | 16 | EA | USE KB3 OR KB-TZ AS APPROPRIATE | VARIES | VARIES | VARIES |

NOTE(S):
1. PRELIMINARY, NOT FOR CONSTRUCTION
2. DESIGN ASSUMPTIONS:
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   b. LATERAL LOADS NOT CONSIDERED
   c. BUILDING CODE:NOT SPECIFIED
   d. CORROSION RESISTANCE REQD.: NOT SPECIFIED
2. REFER TO COMPONENT MANUFACTURER'S IFUs FOR REQUIRED INSTALLATION INFO.
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PROJECT NAME:

EQUIPMENT SUPPORT

SERVICE REQUEST DESCRIPTION:

VALVE COVER

| DESIGNED BY: | REVIEWED BY: |
|---|---|
| VAM | INITIALS |
| DRAWN BY: | ISSUE DATE: |
| BAP | 26 FEB 15 |

REVISIONS:

| NO: | DESCRIPTION: | DATE: |
|---|---|---|
| A | ORIGINAL ISSUE | 26 FEB 15 |

SERVICE REQUEST NUMBER:

EQP - 03 - C

| DRAWING NUMBER: | SHEET: |
|---|---|
| 01 | 1/1 |