

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.

TYPICAL DETAIL TYPE:

PIPE SUPPORT

TYPICAL DETAIL DESCRIPTION:

TRAPEZE - SINGLE

DESIGNED BY:

KL

REVIEWED BY:

AJV

DRAWN BY:

HAM

ISSUE DATE:

03 DEC 14

REVISIONS:

NO.	DESCRIPTION:	DATE:
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TYPICAL DETAIL NOMENCLATURE:

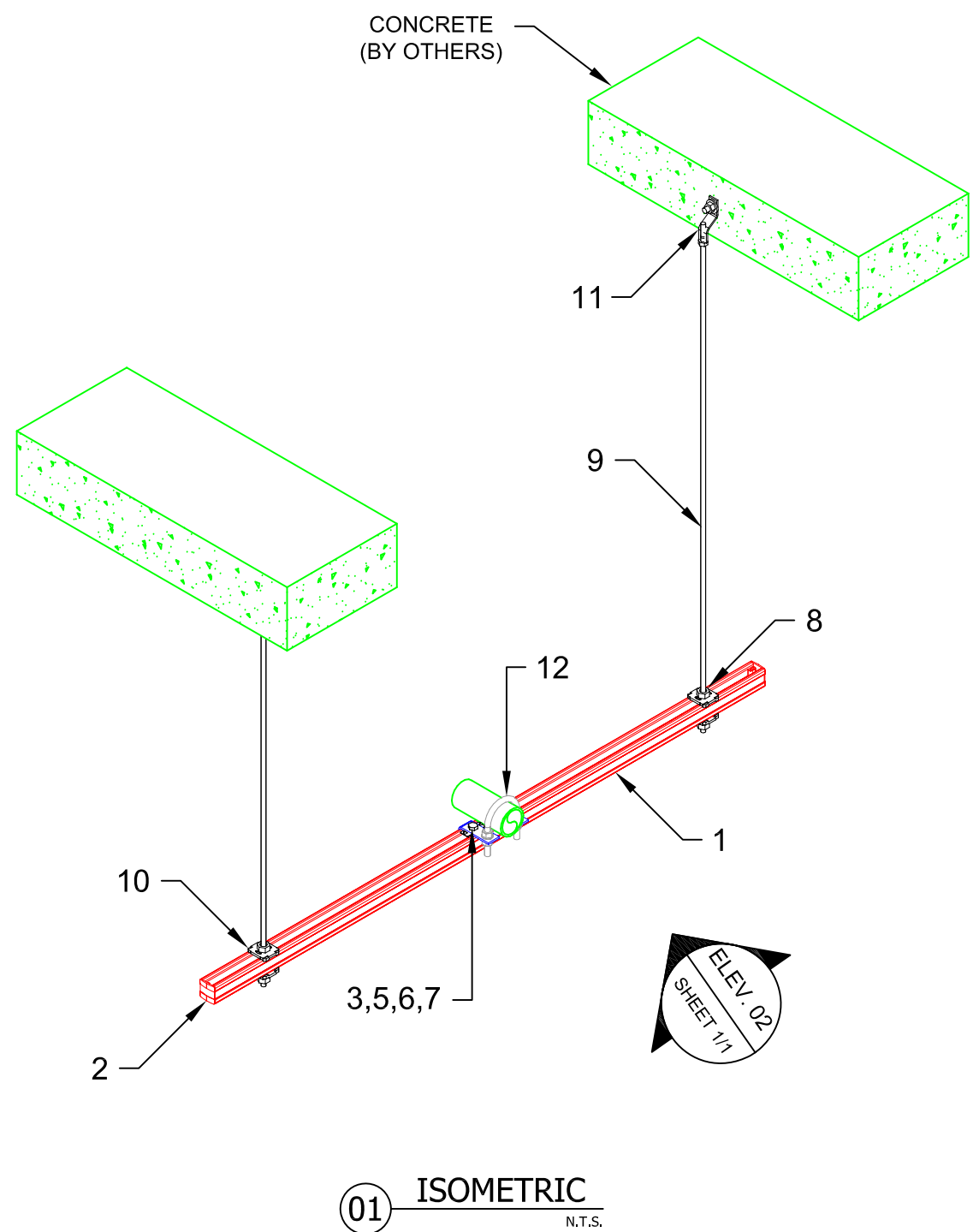
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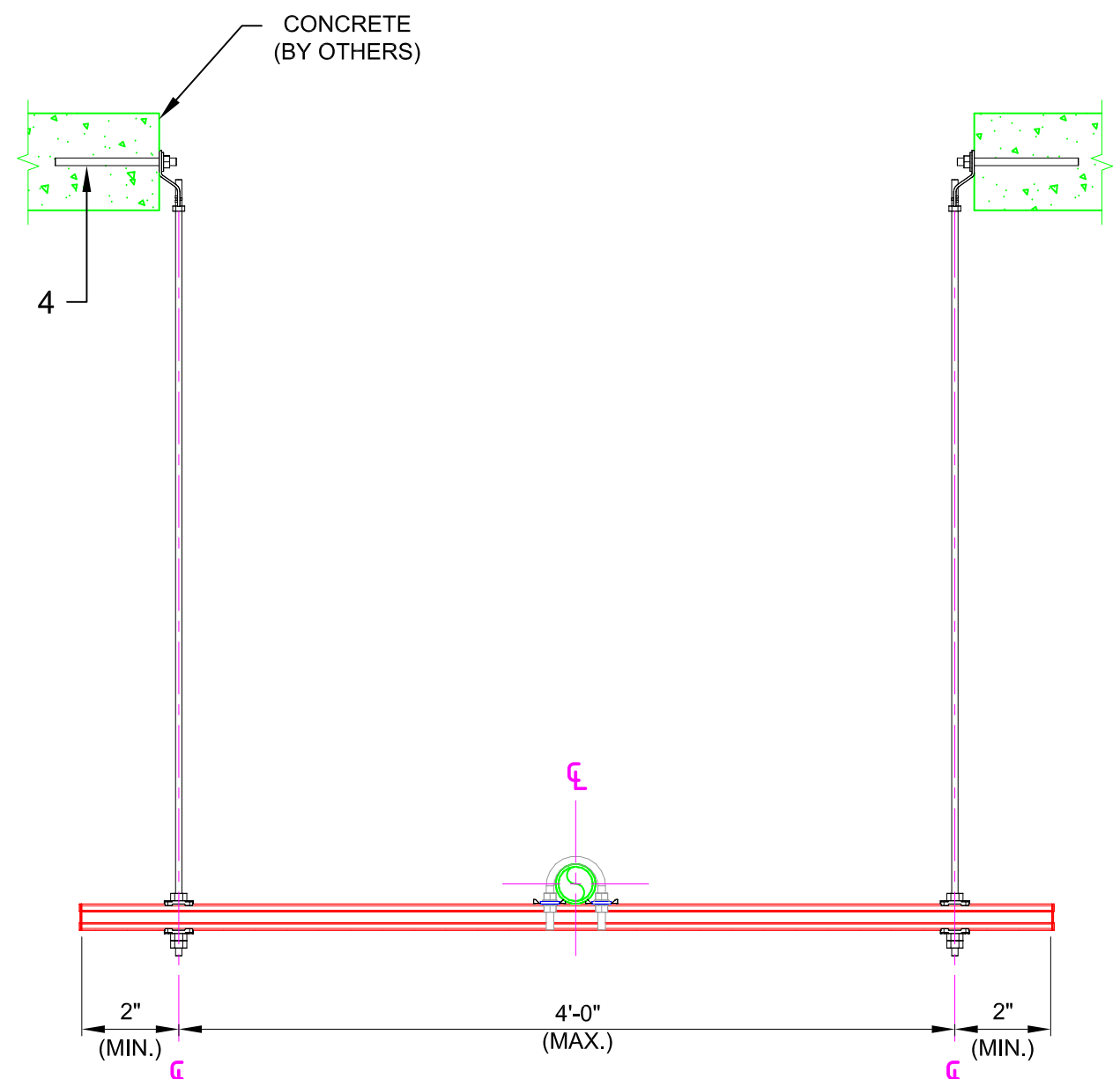
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SHEET:

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01 ISOMETRIC
N.T.S.



02 ELEVATION
N.T.S.

- NOTE(S):**
- PRELIMINARY NOT FOR CONSTRUCTION
 - DESIGN ASSUMPTIONS:
 - SERVICE LOADS (STATIC, U.N.O.):
DEAD LOAD (VERTICAL) = 200lb.
LATERAL LOADS NOT CONSIDERED.
 - LATERAL LOADS ARE WIND OR SEISMIC PER GOVERNING CODE.
 - LATERAL LOADS APPLIED AT THE SAME TIME AS DEAD LOAD.
 - BUILDING CODE: NOT SPECIFIED
 - CORROSION RESISTANCE REQD.: HDG
 - ALL LOADS ASSUMED TO ACT AT CENTER OF PIPE(S), U.N.O.
 - REFER TO COMPONENT MANUFACTURER'S IFUs FOR REQUIRED INSTALLATION INFORMATION.
 - 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.
 - MAX. 1 PIPE PER SUPPORT CENTER ON THE MQK.
 - ATTACHMENT TO BASE MATERIAL ARE CONCEPTUAL ONLY. ATTACHMENT SHALL BE DESIGNED BY THE ENGINEER OF RECORD BASED ON CONDITIONS ENCOUNTERED.
 - ALL STRUT MATERIAL TO BE ORDERED IN BULK QUANTITIES OR PRE ASSEMBLE PER PROJECT DIRECTIVE.
 - ONLY SPECIFY U-BOLT WHEN REQUIRED.

No.	Unit Qty	Unit	Description	Box Qty	# Boxes Needed	Item No.	Torque ft - lbs
1	AS REQ'D	EA	STRUT HS-158-12/HDG 10'	1	AS REQD	407570	-
2	4	EA	CHANNEL END CAP MEK RED	50	1	244886	-
3	2	EA	MQV-UB-M12 (#304884)	10	1	SPECIAL	-
4	2	EA	USE KB-TZ SS AS APPROPRIATE	VARIES	VARIES	VARIES	40
5	2	EA	WING NUT MQM-F3/8"-F	25	1	304136	-
6	2	EA	HEX HEAD BOLT 3/8" x 1-1/4" SS316	50	1	411788	30
7	2	EA	WASHER 3/8" SS316	200	1	411780	-
8	10	EA	3/8-16 A 194 HEAVY HEX NUT GR 2-H	1400	1	3509303	19
9	AS REQ'D	EA	3/8"-6' HDG ALL THREAD	25	AS REQ'D	3509150	-
10	4	EA	BASE PLATE MQZ-F3/8"-F	20	1	304200	-
11	2	EA	OFFSET EYE COUPLING 3/8" 250/BOX	250	1	258318	-
12	1	EA	U-BOLT	VARIES	VARIES	SPECIAL	-

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