



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT**

**APPLICATION FOR HCAI PREAPPROVAL OF  
MANUFACTURER'S CERTIFICATION (OPM)**

OFFICE USE ONLY

**APPLICATION #: OPM-0517**

**HCAI Preapproval of Manufacturer's Certification (OPM)**

Type:  New  Renewal/Update

**Manufacturer Information**

Manufacturer: Steelco SpA

Manufacturer's Technical Representative: Marino Magno

Mailing Address: Via Balegante, 27 – 31039 Riese Pio X TV, Italy

Telephone: +39 0423 7561

Email: info@steelcogroup.com

**Product Information**

Product Name: STEELCO Medical Washers

Product Type: Washer Disinfectant

Product Model Number: DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2, and LC 80/3

General Description: General Description: code upgrade 04/13/2026

**Applicant Information**

Applicant Company Name: SteelcoBelimed inc

Christopher Sillet

Mailing Address: 8351 Palmetto Commerce Pkwy Ste 101, Ladson, SC 29456

Telephone: (800) 451-4118

Email: info@steelcogroup.com

Title: VP of Business Development

*"A healthier California where all receive equitable, affordable, and quality health care"*

**STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY**





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT**

**Registered Design Professional Preparing Engineering Recommendations**

Company Name: FIROUZI CONSTULTING ENGINEERS, INC.

Name: Masoud Firouzi California License Number: CE36433

Mailing Address: 5965 Village Way, Suite 105-642, San Diego, CA 92130

Telephone: (619) 997-9997 Email: mikefirouzi@gmail.com

**Certification Method**

Testing in accordance with:  ICC-ES AC156  FM 1950  ASHRAE 171  FEMA 461

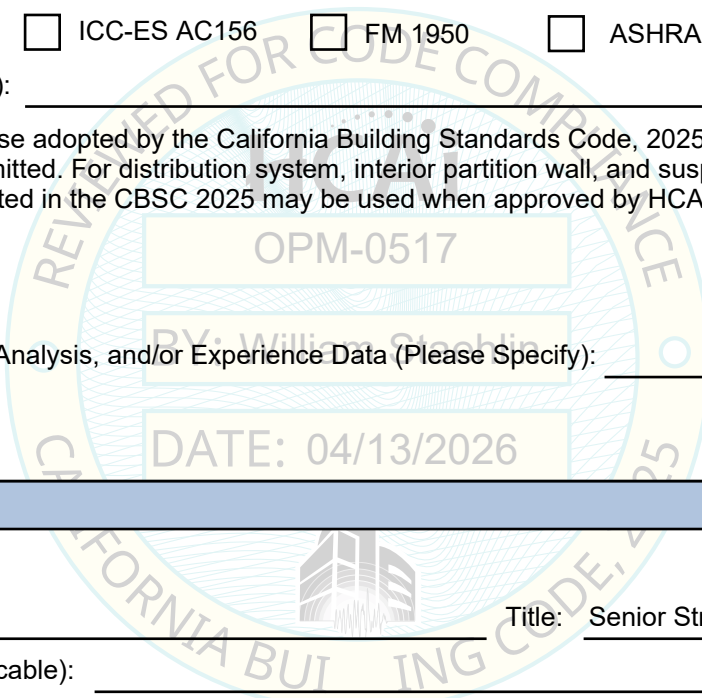
Other(s) (Please Specify): \_\_\_\_\_

\*Use of criteria other than those adopted by the California Building Standards Code, 2025 (CBSC 2025) for component supports and attachments are not permitted. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test criteria other than those adopted in the CBSC 2025 may be used when approved by HCAI prior to testing.

Analysis

Experience Data

Combination of Testing, Analysis, and/or Experience Data (Please Specify): \_\_\_\_\_



**HCAI Approval**

Date: 4/13/2026

Name: William Staehlin Title: Senior Structural Engineer

Condition of Approval (if applicable): \_\_\_\_\_

*"A healthier California where all receive equitable, affordable, and quality health care"*

**STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY**



# PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0517

THIS PREAPPROVAL CONFORMS TO THE 2025 CALIFORNIA BUILDING CODE  
MANUFACTURER: STEELCO

## GENERAL NOTES:

### SCOPE OF PRE-APPROVAL:

- 1) This HCAI Preapproval of Manufacturer's Certification (OPM) is based on the CBC 2025. The demand (design forces) for use with this OPM shall be based on the CBC 2025.
- 2) Scope covers entire component supports (Those members, assemblies of members, or manufactured elements, and associated fasteners that transmit loads between nonstructural components and their attachments to the structure. Support includes structural members between components and attachments, braces, frames, skirts, legs, saddles, pedestals, cables, guys, stays, snubbers, hangers, struts, and tethers, as well as elements forged or cast as a part of the mechanical or electrical component and associated fasteners that transmit loads between nonstructural components and their attachments to the structure, etc.) & attachments (Means by which nonstructural components or supports of nonstructural components are secured or connected to the seismic force-resisting system of the structure. Such attachments include anchor bolts, welded connections, and mechanical fasteners) as required by ASCE 7-22.

### DESIGN CRITERIA:

- 1) . Governing code: 2025 California Building Code, and ASCE 7-22 . Allowable Stress design is used Strength stress values used to obtain capacities, subsequently converted to ASD to obtain allowable.

(GENERAL NOTES: PAGES 1 TO 6)

### EQUIPMENT LIST FOR OPM-0517:

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.



© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
INSTRUMENT WHASER DESINFECTOR

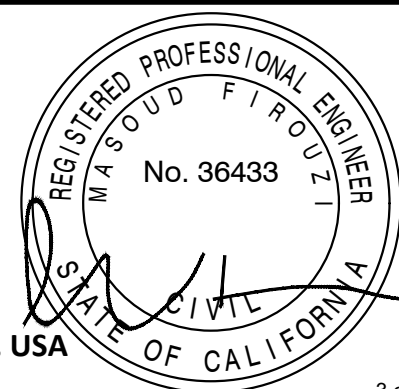
Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

### STRUCTURAL DESIGN BY:

**FIROUZI  
CONSULTING  
ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA

+1-619-997-9997



PAGE

1

OF 31

DATE

APRIL 12

2026

3 of 13

OPM-0517: Reviewed for Code Compliance by William Staehlin

# GENERAL NOTES- OPA CALCULATION

## SCOPE OF PRE-APPROVAL:

1) Scope of pre-approval covers only the anchorage of the unit to the existing hospital building's structure.

## DESIGN CRITERIA:

1) Governing code: 2025 California Building Code, and ASCE 7-22. Allowable Stress design is used Strength stress values used to obtain capacities, subsequently converted to ASD to obtain allowable.

Strength Level Coefficients

Vertical Force ( $E_v$ ) =  $0.2S_{DS}$  =  $0.32 W_p$

Horizontal Force at Concrete Slab on Metal Deck ( $E_h$ ) =  $1.92 W_p$  ( $z/h \leq 1.0$ )

Horizontal Force at Concrete Slab ( $E_h$ ) =  $0.72 W_p$  ( $z/h = 0$ )

$S_{DS}$  = 1.6 (maximum)

$H_f = 1 + 2.5(z/h)$  ASCE 7 - 22, 13.3.1.1

$R_\mu = 1.3$  ASCE 7 - 22, 13.3.1.2

$C_{AR} = 1.0$  ASCE 7 - 22, Table 13.6-1

$R_{po} = 1.5$  ASCE 7 - 22, Table 13.6-1

$\Omega_{op} = 2.0$  ASCE 7 - 22, Table 13.6-1 For concrete anchors

$z/h = 0.0$   $H_f = 1$  (at concrete slab on grade)

$z/h \leq 1.0$   $H_f = 3.5$  (at concrete over deck)

$F_p = 0.4 a_p S_{DS} W_p [H_f/R_\mu][C_{ar}/R_{po}]$

$F_p \text{ max} = 1.6 S_{DS} I_p W_p = 3.84 W_p$

$F_p \text{ min} = 0.3 S_{DS} I_p W_p = 0.72 W_p$

At ( $z/h = 0$ ) use  $F_p = 0.72 W_p$

At ( $z/h \leq 1$ ) use  $F_p = 1.49 W_p$

$F_v = (0.2) S_{DS} W_p = (0.2) (1.6) W_p = 0.32 W_p$

Load Combinations with overstrength factor

$(1.2 + 0.2 S_{DS}) D + \Omega F_p$

$(0.9 - 0.2 S_{DS}) D + \Omega F_p$

2) Center of gravity shown represents the load from fully loaded equipment weight.

3) Design assumptions made for this equipment to be installed at any location in State of California and in any floor height where  $S_{DS}$  is not greater than 1.6

(GENERAL NOTES: PAGES 1 TO 6)

### EQUIPMENT LIST FOR OPM-0517:

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.



© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
INSTRUMENT WHASER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

STRUCTURAL DESIGN BY:

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA

+1-619-997-9997



PAGE

2

OF 31

DATE

APRIL 12

2026

4 of 13

OPM-0517: Reviewed for Code Compliance by William Staehlin

- 4) Structural Engineer of Record for the Support Structure, to provide Structural Engineering and Structural Details for the structure supporting the anchors, Also, Structural Engineer of Record for the Support Structure to verify and to provide Structural Engineering and Structural Details for the Existing Structure to support the existing loads in addition to the new loads added by STEELCO equipment. The OPM designer is responsible for the connections to the building structure, including the struts.
- 5) Approval of Structural Engineer of Record for Support Structure Design is not part of this Pre-Approval.
- 6) Project specific values of  $S_{DS}$  and  $z/h$  shall not exceed the values on this OPM.
- 7) Concrete slab for the anchor shall be verified to meets the requirement of its testing report and this OPM.
- 8) Concrete anchor shall be verified the edge/end distance from slab edges or opening as indicated on the details in this OPM.
- 9) Anchors' interaction shall be verified between new and existing anchors where they are within 18" or  $6 \cdot h_{ef}$  from the unit's anchor.

**EXPANSION ANCHORS:**

OPM-0517

- 1) Equipment shall be attached with the anchors listed and installation shall follow the ICC-ESR report.

Anchor Diameter: 3/8" or 1/2" or 3/4" as specified on drawings  
 Concrete Type: Hardrock / Normal Weight  
 Min. f'c (psi): 2500  
 Anchor Type: HILTI Kwik Bolt TZ2 Stainless Steel  
 ICC-ESR Report #: ICC ESR-4266  
 Min. Embedment (inches): 2" for 3/8" dia. anchor bolts, 4" minimum concrete thickness  
 3 1/4" for 1/2" dia. anchor bolts, 6" minimum concrete thickness  
 3 3/4" for 3/4" dia. anchor bolts, 8" minimum concrete thickness  
 At metal decking, min. concrete thickness over flutes = 3 1/4"

(GENERAL NOTES: PAGES 1 TO 6)

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.



**STEELCO, S.p.A.**  
 VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
 PH.+39 04237561

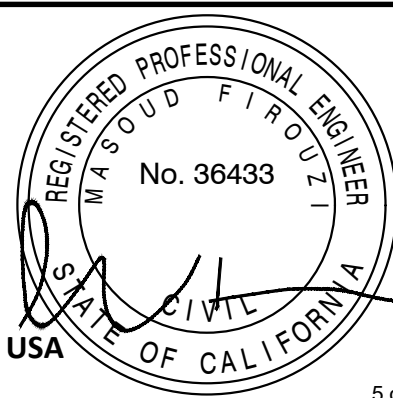
**OPM 0517**  
 INSTRUMENT WHASER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
 SAN DIEGO, CALIFORNIA, 92130. USA  
 +1-619-997-9997



PAGE  
**3**  
 OF 31  
 DATE  
 APRIL 12  
 2026

Testing of Expansion anchors per 2025 CBC Section 1910A.5.5:  
 Required test loads shall be determined by one of the following methods:

1. Twice the maximum allowable tension load or one and a quarter ( $1\frac{1}{4}$ ) times the maximum design strength of anchors as provided an approved evaluation report using criteria adopted in this code or determined in accordance with Chapter 17 of ACI 318. Tension test load need not exceed 80 percent of the nominal yield strength of the anchor element ( $= 0.8 A_{se} f_{ya}$ ).

2. The manufacturer's recommended installation torque based on an approved evaluation report using criteria adopted in this code.

Direct Pull Tension:	3/8" dia. anchor:	1810 lbs (for S.S.)
	1/2" dia. anchor:	3035 lbs (for S.S.)
	3/4" dia. anchor:	4646 lbs (for S.S.)
Torque:	3/8" dia. anchor:	30 ft-lbs (for S.S.)
	1/2" dia. anchor:	40 ft-lbs (for S.S.)
	3/4" dia. anchor:	125 ft-lbs (for S.S.)

- 1) It shall provide the full thread engagement of nut and washer.
- 2) It shall avoid damaging existing rebar in slab when installing the concrete anchor.

**EXPANSION ANCHOR TESTING:**

1. Direct pull tension test or torque test should be performed at least 24 hours after installation on at least 50% of the anchors. The testing of post-installed anchors shall be done in the presence of the special inspector and a report of the test results shall be submitted to the enforcement agency.
2. Acceptable performance criteria:
  - a) Torque Test:  
 The specified torque must be reached within one-half ( $1/2$ ) turns of the nut.
  - b) Direct Pull Tension Test:  
 At the test load, it shall maintain the test load for a minimum of 15 seconds and there shall be no observable movement of the anchors and the washers shall not become loose.
3. In case of any anchor failure, TEST ALL ANCHORS.

(GENERAL NOTES: PAGES 1 TO 6)

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.



**STEELCO, S.p.A.**  
 VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
 PH.+39 04237561

**OPM 0517**  
 INSTRUMENT WHASER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
 SAN DIEGO, CALIFORNIA, 92130. USA  
 +1-619-997-9997



PAGE

**4**

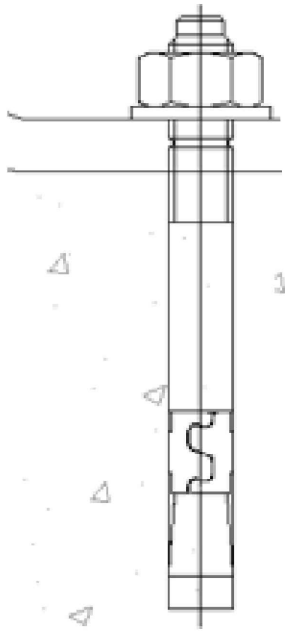
OF 31

DATE

APRIL 12

2026

TYPICAL ANCHOR EMBEDMENT TO ELEVATED SLAB AND SLAB ON GRADE:



3/8", 1/2" OR 3/4" DIA KWIK BOLT TZ2 w/2", 3 1/4" OR 3 3/4" EFFECTIVE EMBEDMENT LENGTH INTO ELEVATED SLAB OR SLAB ON GRADE BELOW UNIT TO FOLLOW NOTE 1. BELOW:

**NOTE 1**

THE MINIMUM THICKNESS REINFORCED CONCRETE SLABS ARE AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO THE TOP OF CAST-IN-PLACE CONCRETE FLOORS:
  - ELEVATED SLABS: 8" MIN
  - SLAB-ON-GRADE:

ANCHORAGE DIAMETER	MIN. EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

MIN. EDGE DISTANCE : 12"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER

METAL DECK: ANCHORAGE DIAMETER	MIN. EFFECTIVE HEIGHT	CONCRETE TYPE f'c =3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW or SAND LW	3 1/4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW or SAND LW	6"

(GENERAL NOTES: PAGES 1 TO 6)

EQUIPMENT LIST FOR OPM-0517:

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.



**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

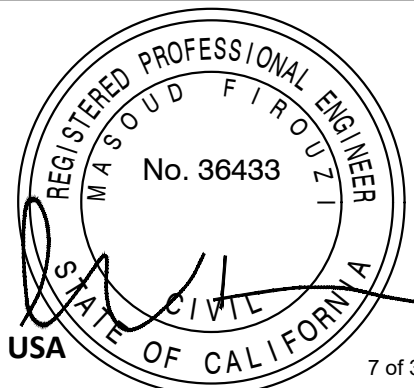
**OPM 0517**  
INSTRUMENT WHASER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilm, films, photocopies and electronic storage) are reserved in all countries. Steelco S.p.A. trademarks are registered trademarks and property of Steelco S.p.A.

STRUCTURAL DESIGN BY:

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1-619-997-9997



PAGE

**5**

OF 31

DATE

APRIL 12

2026

# SUMMARY OF MODEL WEIGHTS, REACTIONS, ANCHOR PROPERTIES

**KB -TZ2 is an anchor type that can resist high seismic forces. It is designed to provide in SOG and ES. KB -TZ2 can withstand both tensile and shear forces. (Same applies for ASTM 593 thru-bolt assemblies)**

**(NOTE: Quantity of anchors shown on this chart represents the calculation requirements. These quantities may be higher on the drawing due to equipment geometry.)**

Page	Unit	Weight (lbs)	Over-strength factor is included				Anchor Model	Anchor Size (in)	Anchor effective Embedment (in)	Quantity of Anchors
			SOG (per bolt)		ES (per bolt)					
			Tension (lbs) (ASD)	Shear (lbs) (ASD)	Tension (lbs) (ASD)	Shear (lbs) (ASD)				
8	DS 500 CDL	300	71	27	201	65	KB-TZ 2	3/8	2	8
9	DS 500 CL	283	67	25	190	61	KB-TZ 2	3/8	2	8
10	DS 610_1 D	630	506	65	1296	155	KB-TZ 2	1/2	3 1/4	10
11	DS 610_2 D	713	573	73	1467	176	KB-TZ 2	1/2	3 1/4	10
12	DS 610_G2	1149	672	69	1685	165	KB-TZ 2	1/2	3 1/4	12
13	DS 1000	1506	493	136	1333	324	KB-TZ 2	1/2	3 1/4	8
14	DS 1000_1 S	1506	493	136	1333	324	KB-TZ 2	1/2	3 1/4	8
15	DS 100_2 S	1678	550	121	1485	289	KB-TZ 2	1/2	3 1/4	12
16	DS 1000 N	1290	546	93	1438	222	KB-TZ 2	1/2	3 1/4	12
17	DS 1000 N_1 S	1500	575	90	1478	215	KB-TZ 2	1/2	3 1/4	12
18	DS 1000 N_2 S	1700	594	87	1506	209	KB-TZ 2	1/2	3 1/4	16
19	TW 3000_2	2760	463	166	1295	396	KB-TZ 2	1/2	3 1/4	16
20	ED 100_1 Frontal Support	671	571	60	1434	145	KB-TZ 2	1/2	3 1/4	8
21	ED 100_1 Lateral Support	671	403	60	1032	145	KB-TZ 2	1/2	3 1/4	8
22	ED 100_2 Frontal Support	717	610	65	1532	154	KB-TZ 2	1/2	3 1/4	8
23	ED 100_2 Lateral Support	717	718	65	1792	154	KB-TZ 2	1/2	3 1/4	8
24	ID 300_1 Frontal Support	615	523	55	1315	132	KB-TZ 2	1/2	3 1/4	8
25	ID 300_1 Lateral Support	615	369	55	946	132	KB-TZ 2	1/2	3 1/4	8
26	ID 300_2 Frontal Support	669	569	60	1430	144	KB-TZ 2	1/2	3 1/4	8
27	ID 300_2 Lateral Support	669	402	60	1029	144	KB-TZ 2	1/2	3 1/4	8
28 & 29	LC 80_2	6246	754	257	2064	615	KB-TZ 2	3/4	3 3/4	30+9
30 & 31	LC 80_3	7540	712	271	1958	650	KB-TZ 2	3/4	3 3/4	35+9

(GENERAL NOTES: PAGES 1 TO 6)

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.



**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

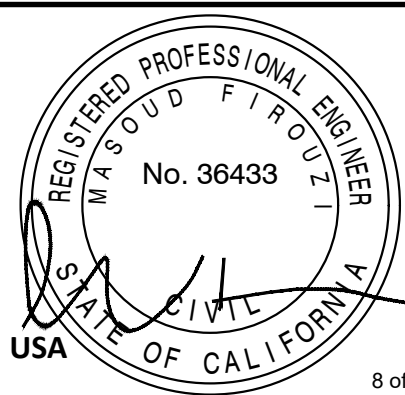
**OPM 0517**  
INSTRUMENT WHASER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilm, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property fo Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA



PAGE

**6**

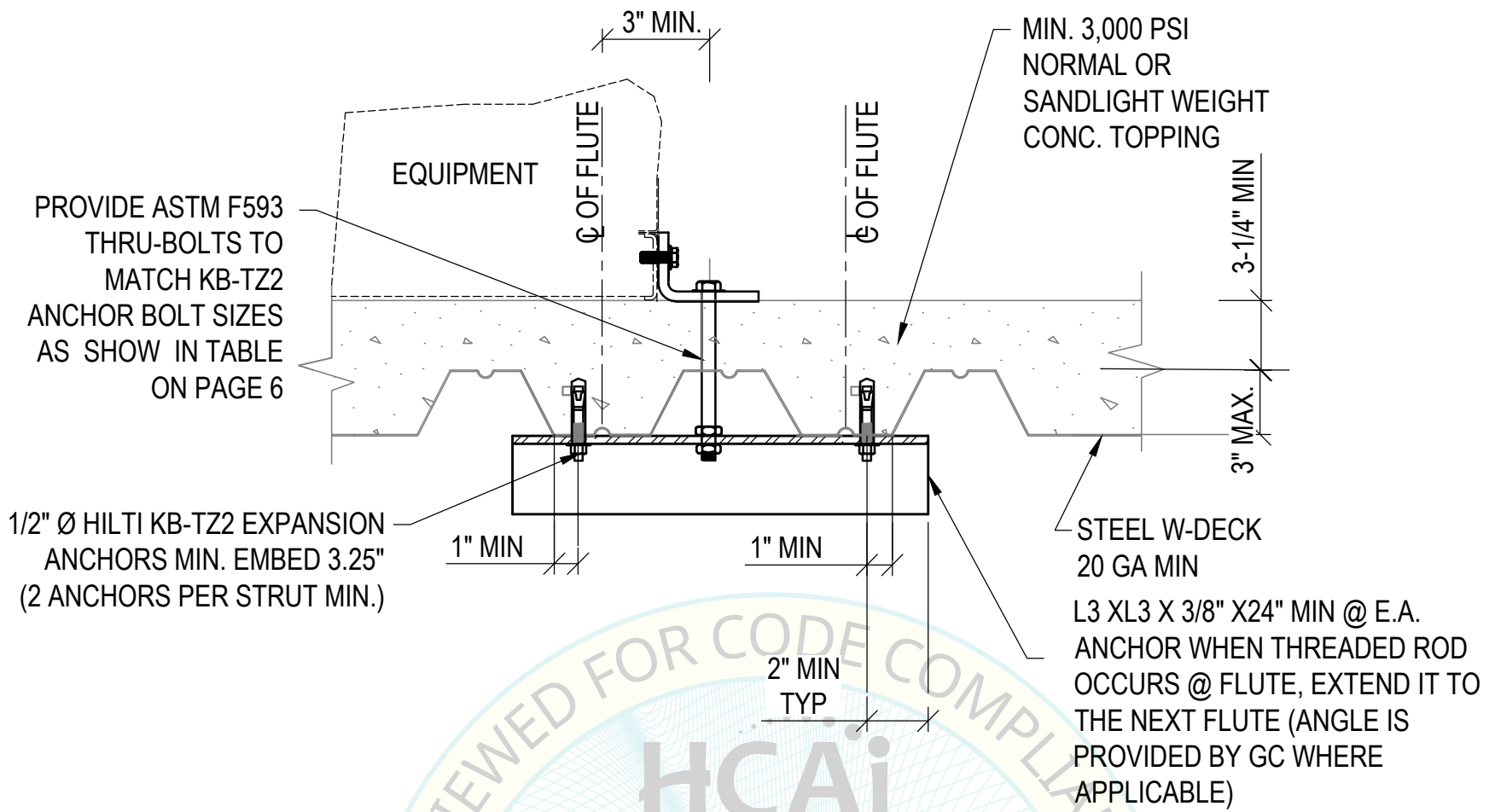
OF 31

DATE

APRIL 12

8 of 33

2026



**ALTERNATIVE ANCHORAGE DETAIL  
FOR COMPOSITE STEEL DECK**

BY: William Staehlin

DATE: 04/13/2026



(GENERAL NOTES: PAGES 1 TO 6)

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.



**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
INSTRUMENT WHASER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI  
CONSULTING  
ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA

+1-619-997-9997



PAGE

7

OF 31

DATE

APRIL 12

2026

**STEELCO WASHER  
DISINFECTOR MODEL  
N° DS 500 CDL**

**WEIGHT= 300 POUNDS  
G.C.= GRAVITY CENTER  
M.C.= MASS CENTER**

**NOTE 1**

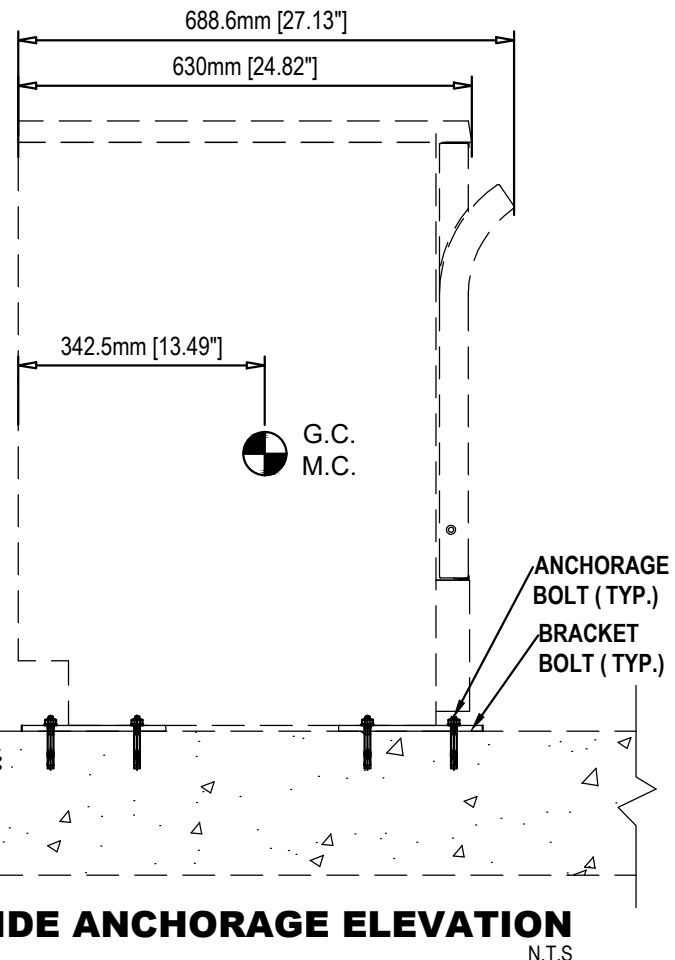
THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:
  - ELEVATED SLABS: 8" MIN
  - SLAB-ON-GRADE:

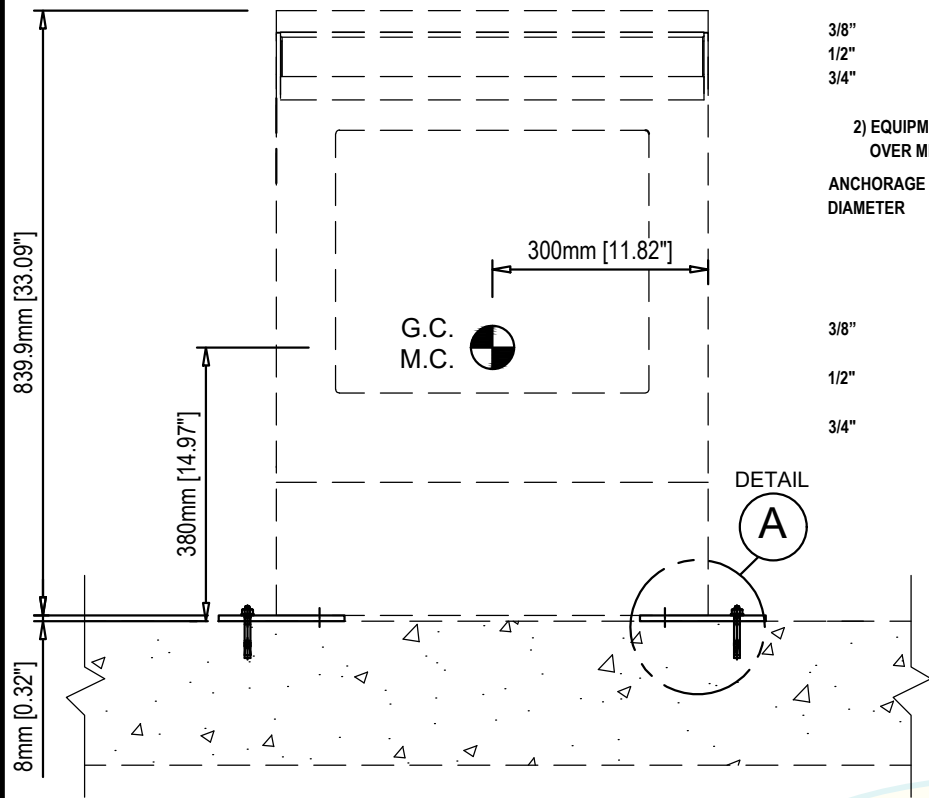
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

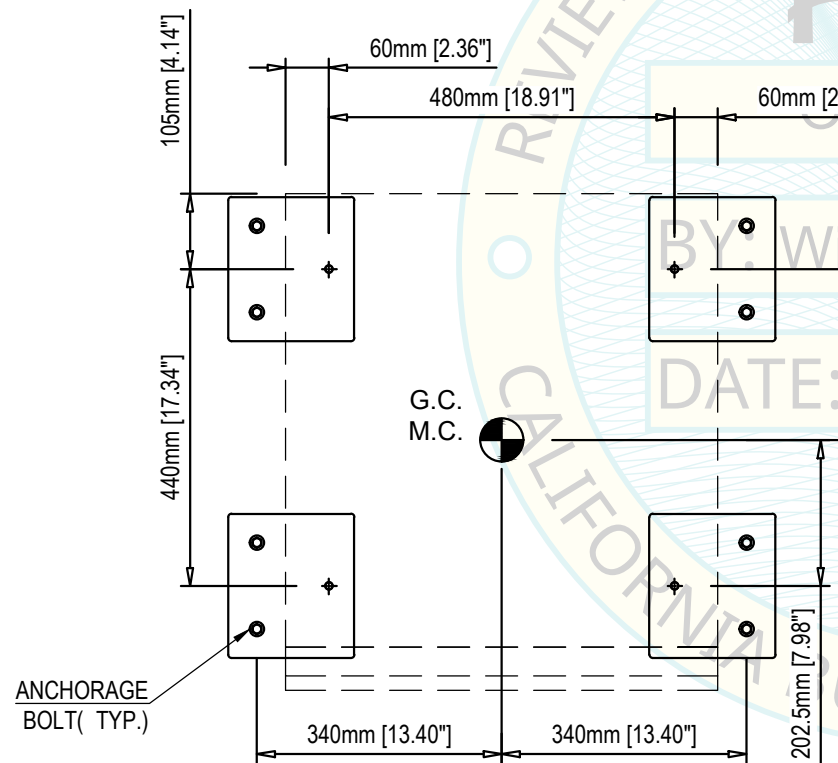
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW or SAND LW	6"



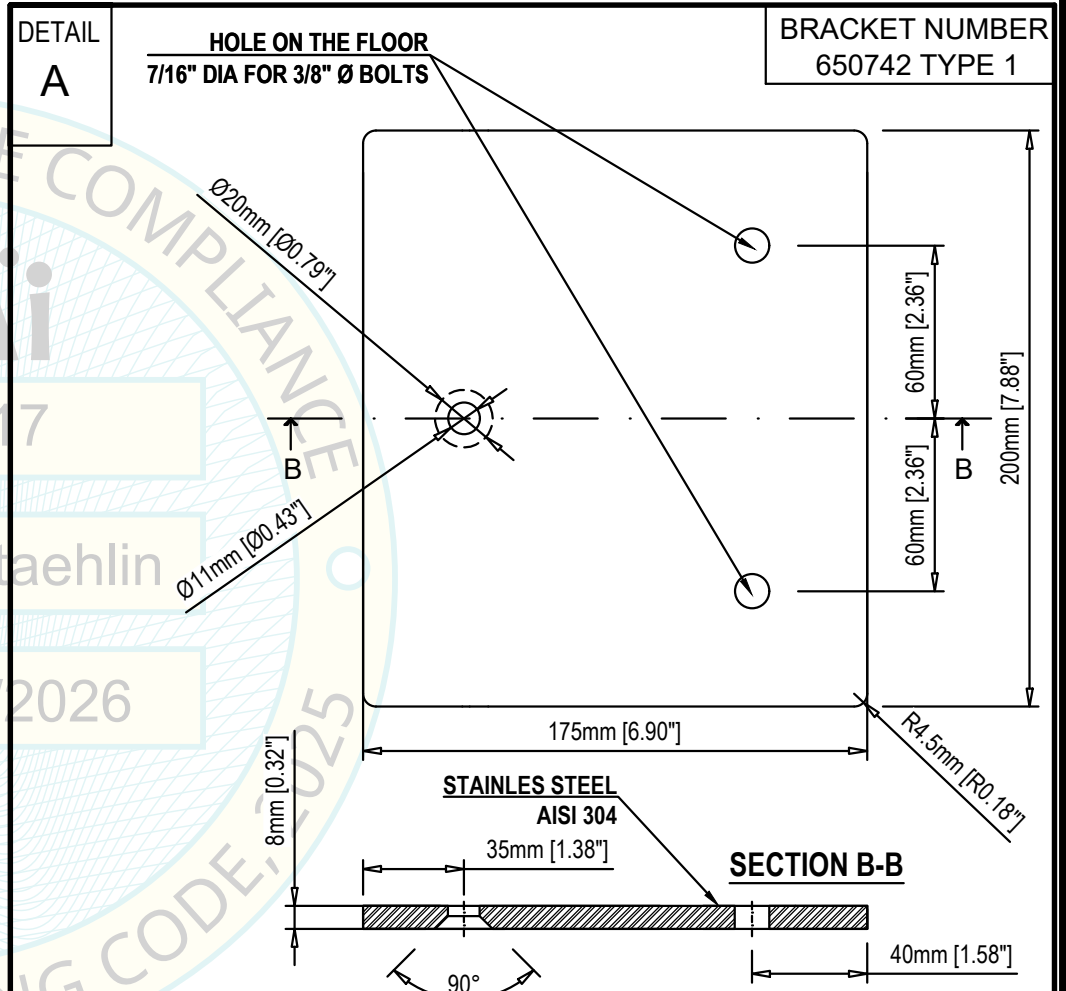
**SIDE ANCHORAGE ELEVATION**  
N.T.S.



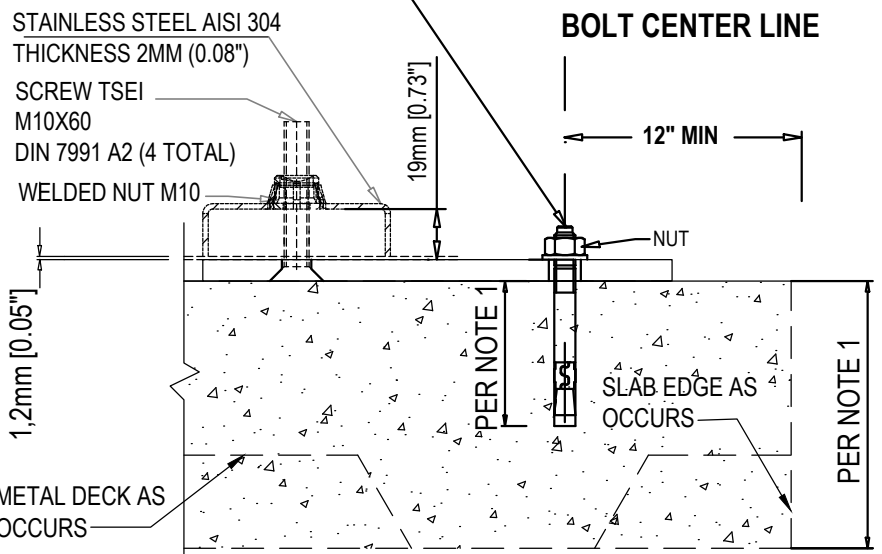
**FRONT ANCHORAGE ELEVATION**  
N.T.S.



**ANCHORAGE LAYOUT @ BASE**  
N.T.S.



ANCHOR BOLTS HILTI KB-TZ2  
(8 TOTAL): 3/8" DIA



**Steelco**  
**DS 500 CDL**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
**INSTRUMENT WASHER DESINFECTOR**

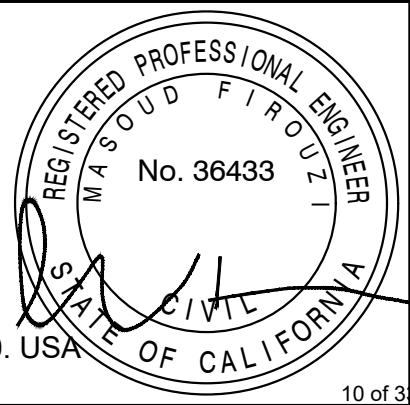
Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA

+1 619 997 9997



PAGE

**8**

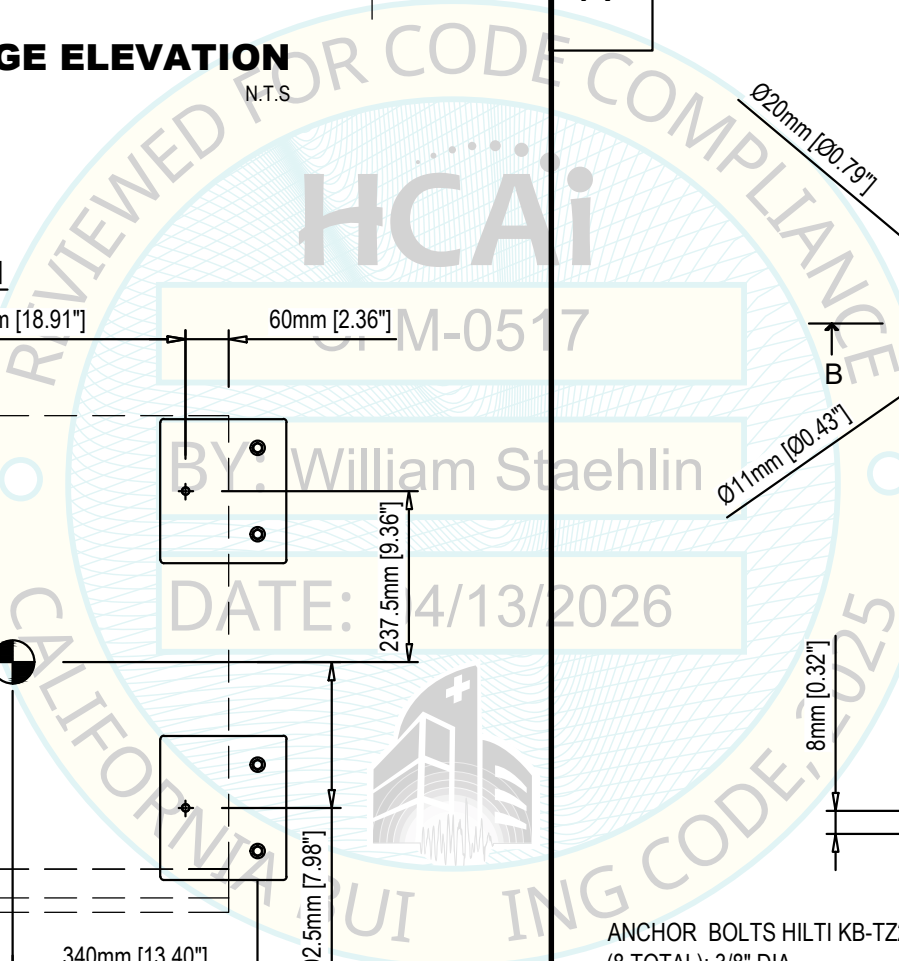
OF 31

DATE

APRIL 12

2026

10 of 33



**STEELCO WASHER  
DISINFECTOR MODEL  
N° DS 500 CL**

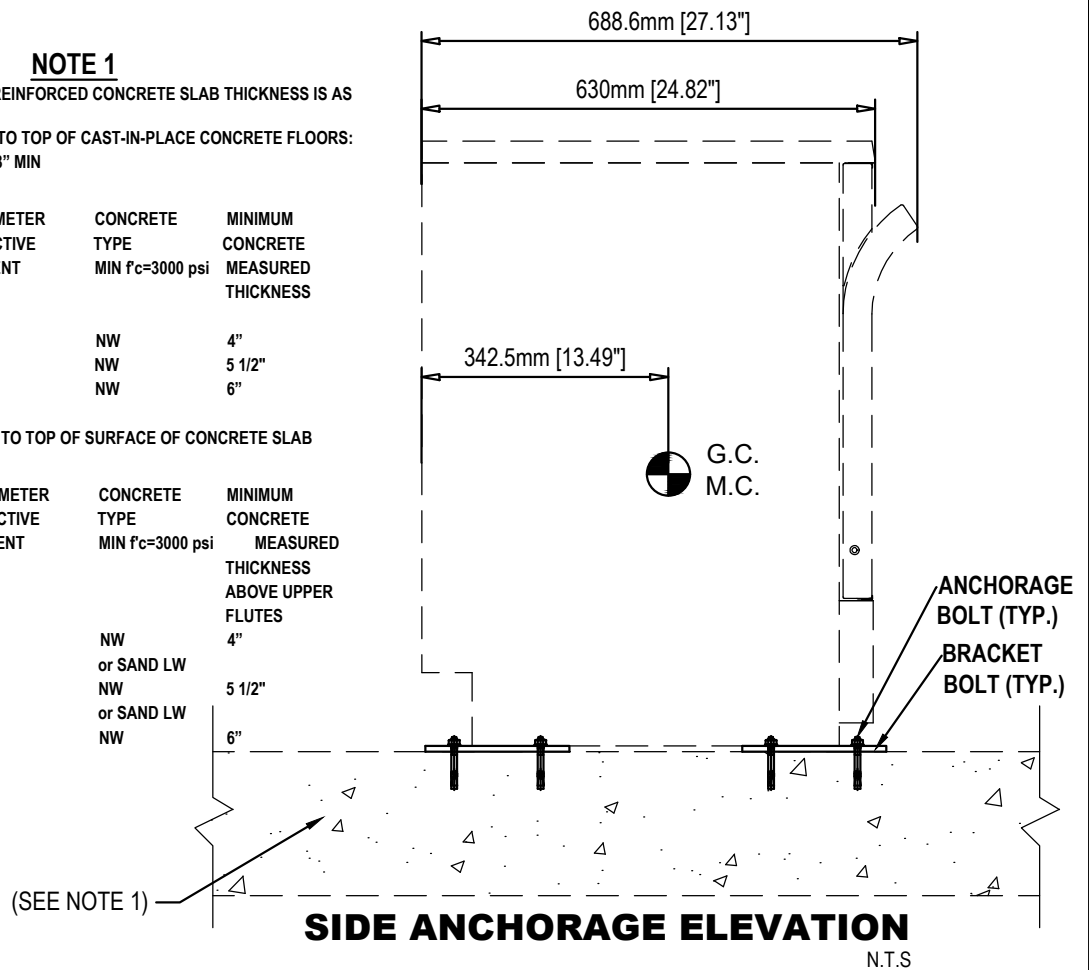
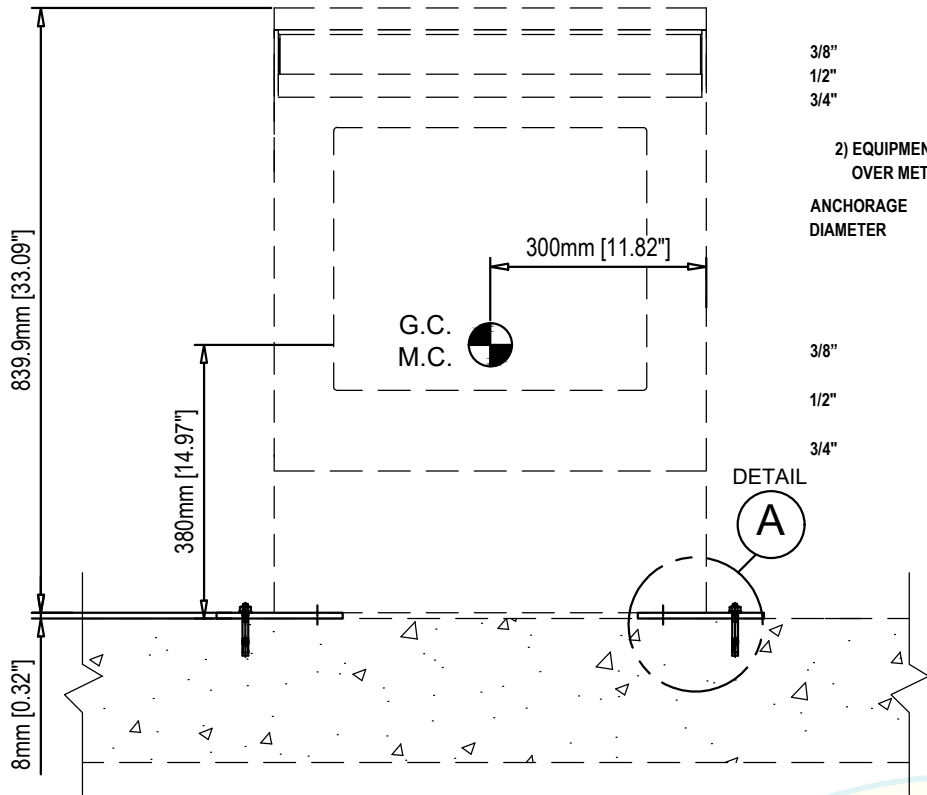
**WEIGHT= 283 POUNDS  
G.C.= Gravity center  
M.C.= Mass center**

**NOTE 1**  
THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:  
1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:  
- ELEVATED SLABS: 8" MIN  
- SLAB-ON-GRADE:

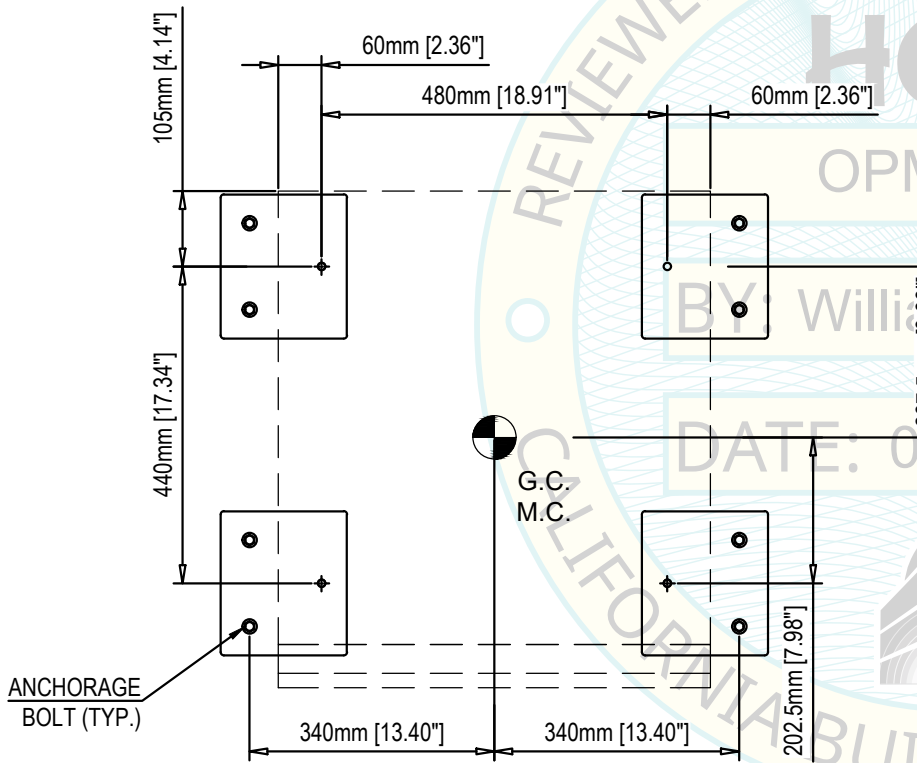
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

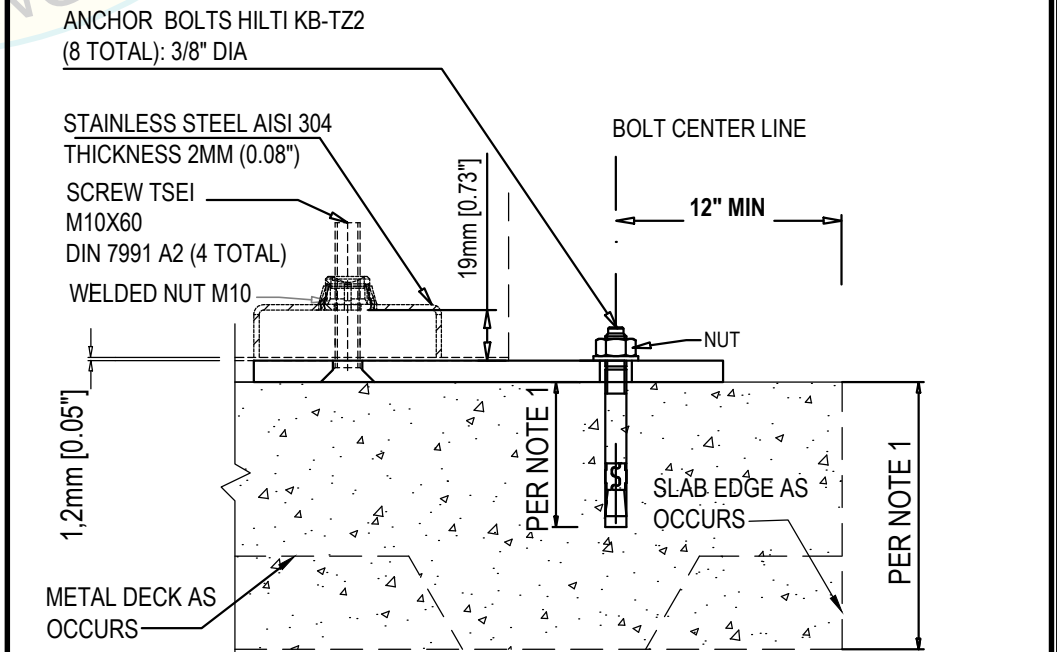
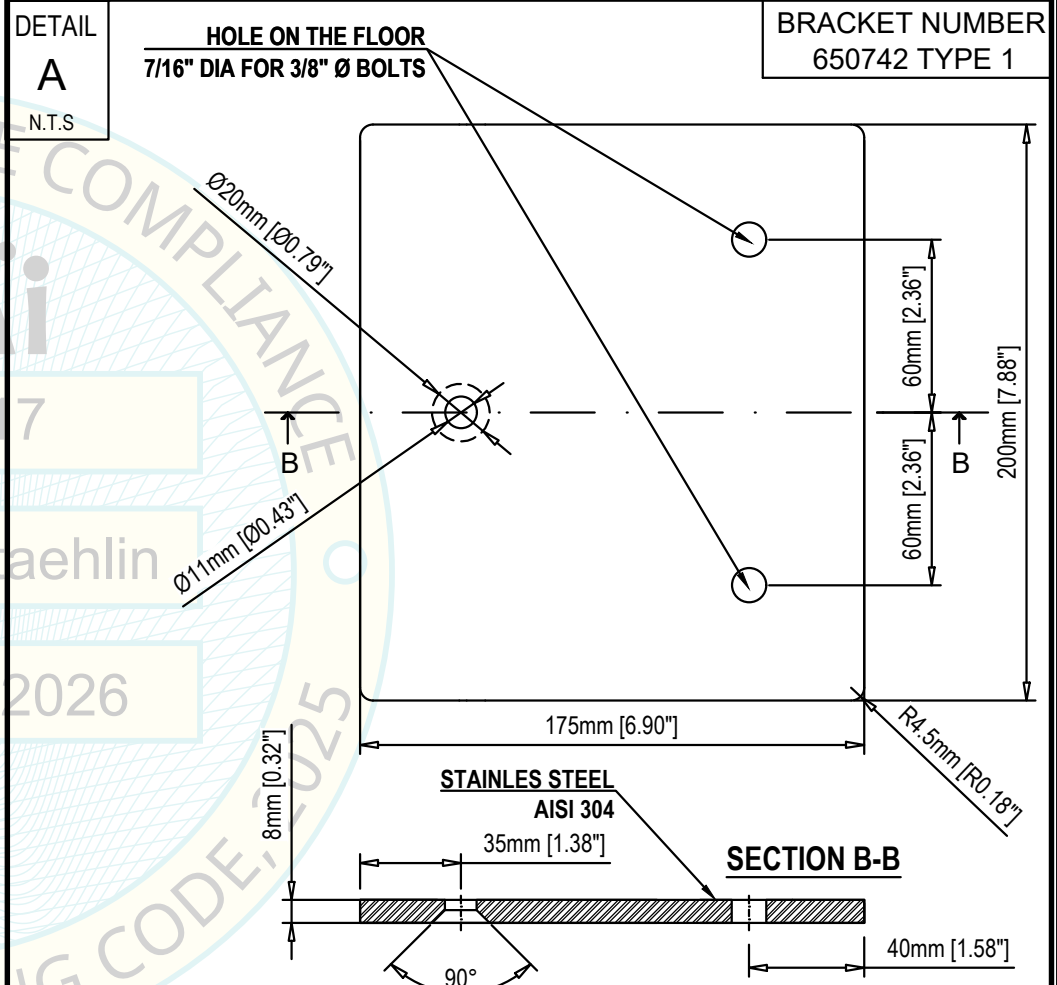
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW or SAND LW	6"



**FRONT ANCHORAGE ELEVATION**  
N.T.S.



**ANCHORAGE LAYOUT @ BASE**  
N.T.S.



**Steelco**  
**DS 500 CL**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

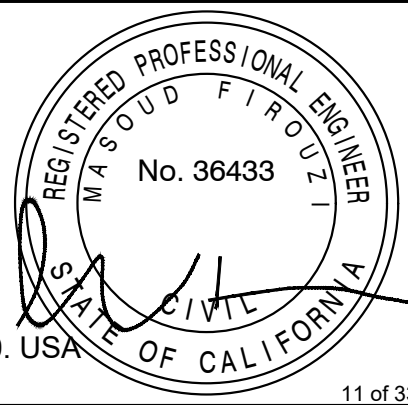
Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco SpA. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA

1-619-997-9997



PAGE  
**9**  
OF 31  
DATE  
APRIL 12  
2026

**STEELCO WASHER  
DISINFECTOR MODEL  
N° DS 610/1 D**

**WEIGHT= 630 POUNDS**  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:

- ELEVATED SLABS: 8" MIN
- SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

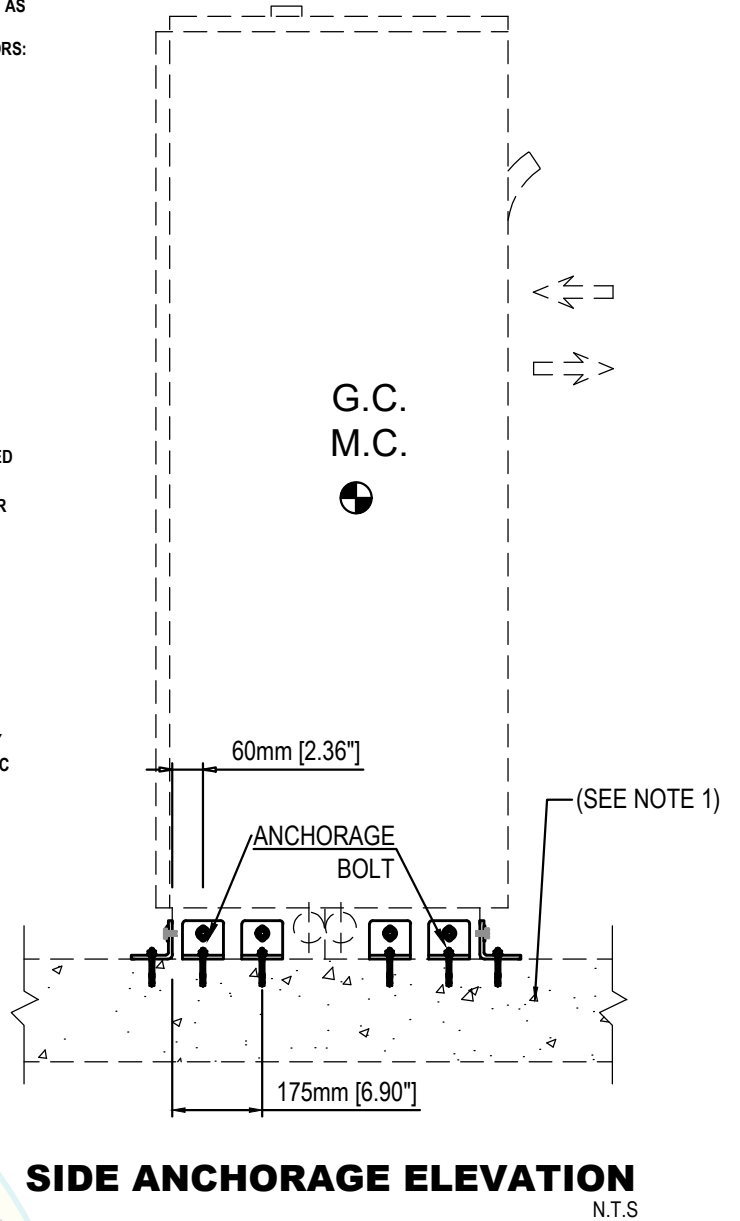
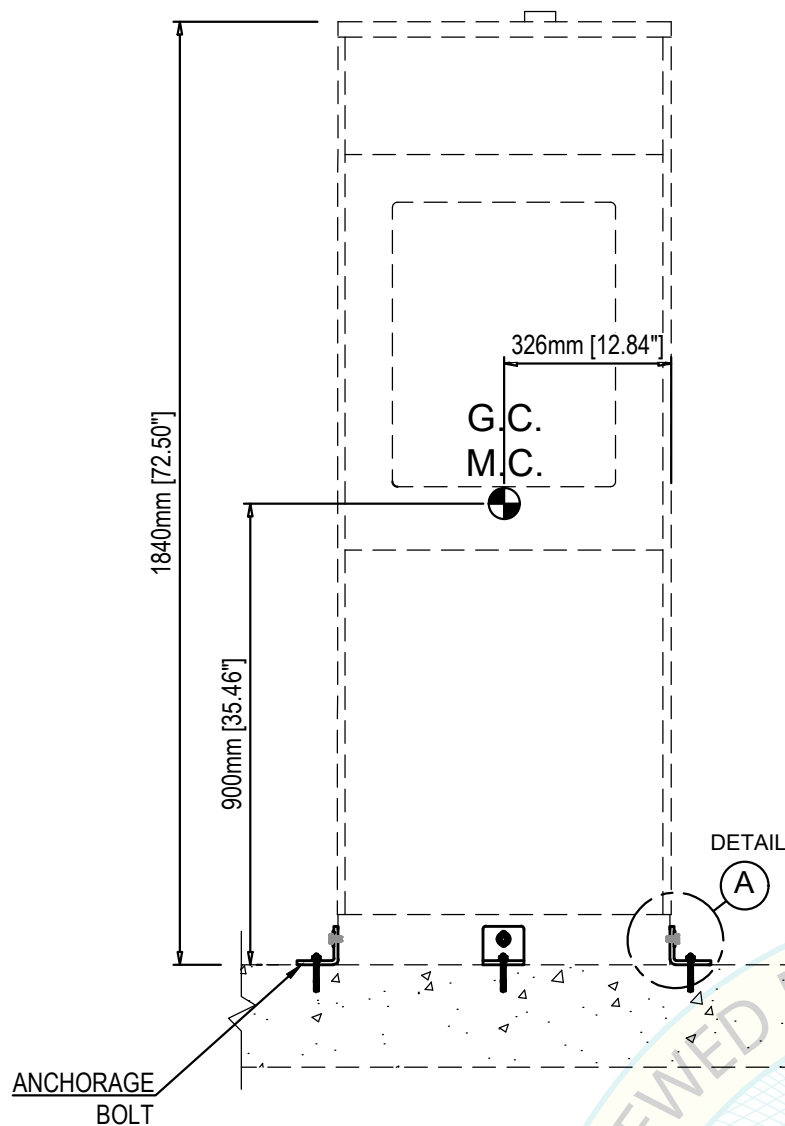
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**

PROVIDE SHIMS (FILLERS) <math>\frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH W/PL. REFER TO AISC 360-16 §J5

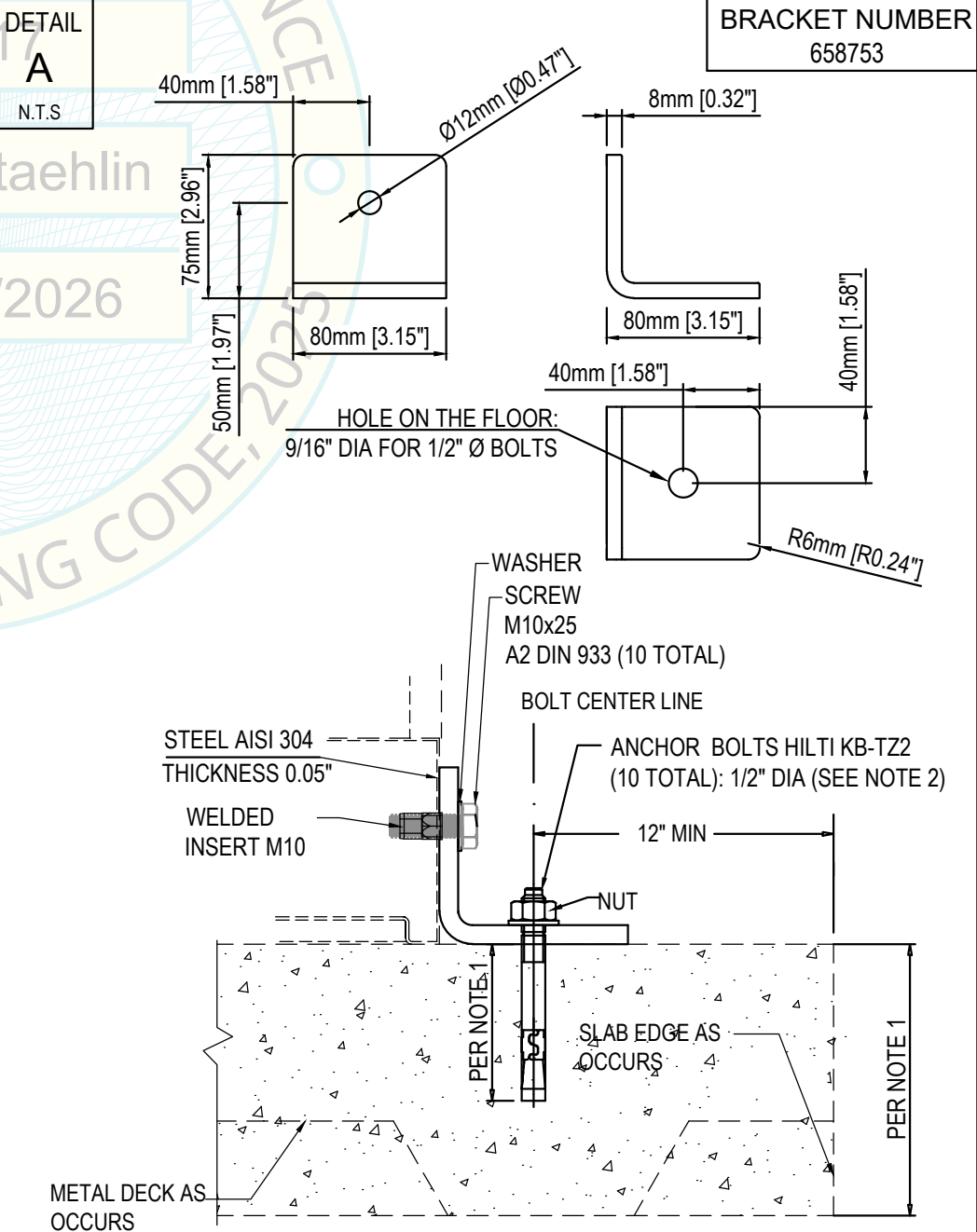
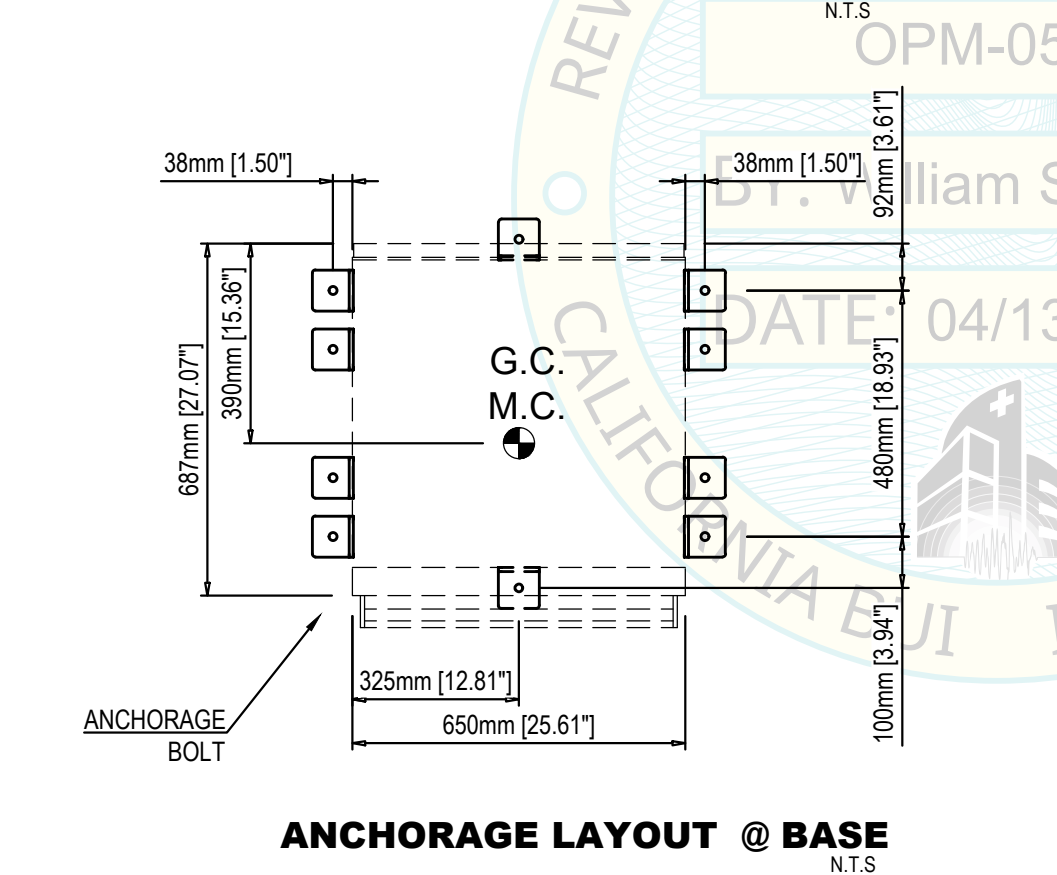
**NOTE 3**

ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



**FRONT ANCHORAGE ELEVATION**

**SIDE ANCHORAGE ELEVATION**



**Steelco**  
**DS 610/1 D**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**  
DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

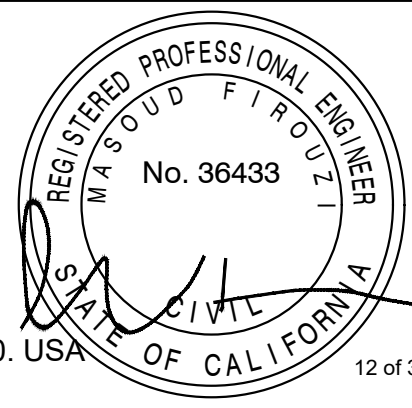
**OPM 0517**  
**INSTRUMENT WASHER DESINFECTOR**

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property to Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1-619-997-9997



PAGE  
**10**  
OF 31  
DATE  
APRIL 12  
2026

**STEELCO WASHER  
DISINFECTOR MODEL  
N° DS 610/2 D**

**WEIGHT= 713 POUNDS**  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:  
 - ELEVATED SLABS: 8" MIN  
 - SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN $f_c=3000$ psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

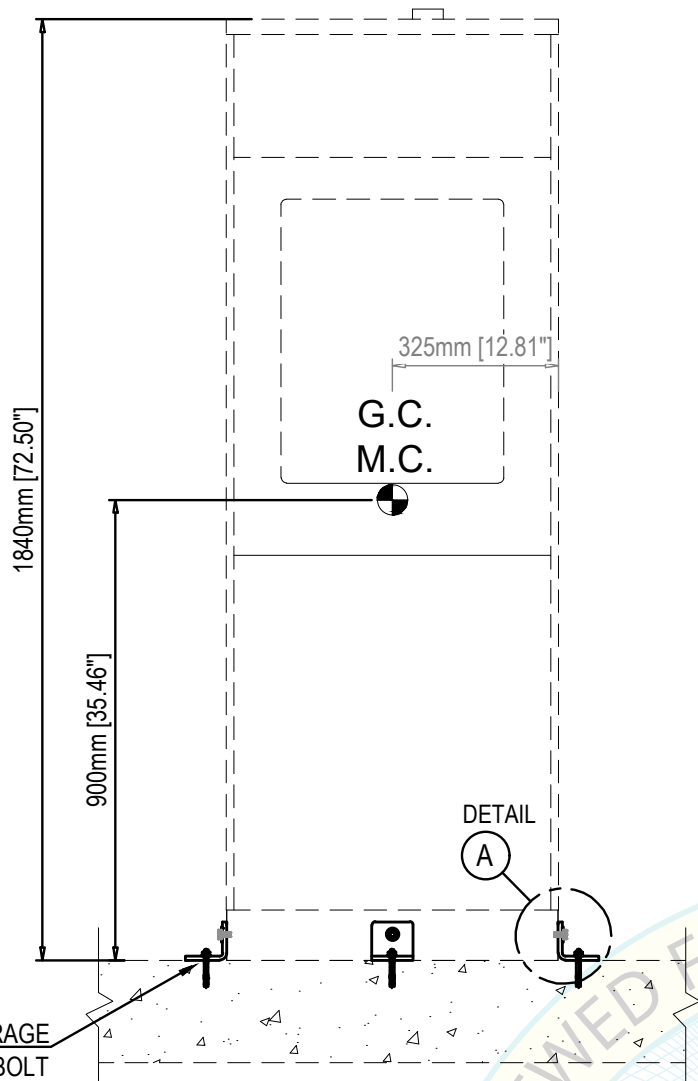
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN $f_c=3000$ psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**

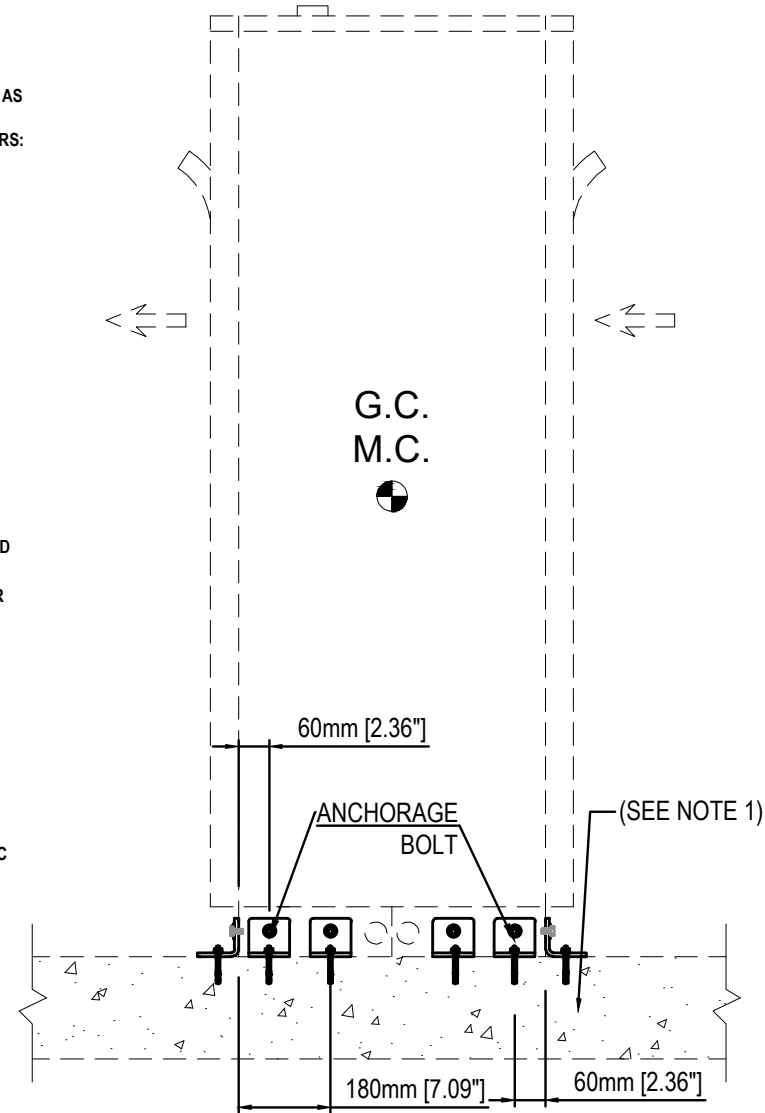
PROVIDE SHIMS (FILLERS)  $< \frac{1}{4}$ " WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH w/PL. REFER TO AISC 360-16 §J5

**NOTE 3**

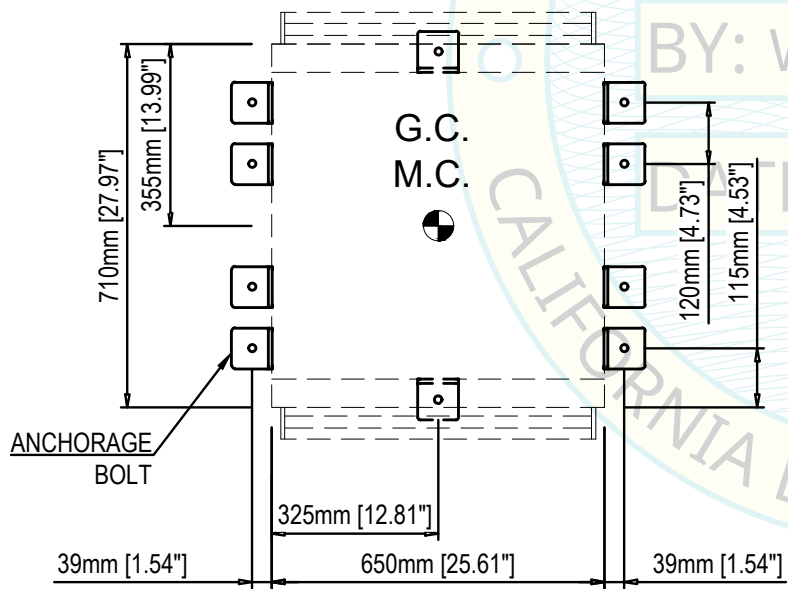
ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



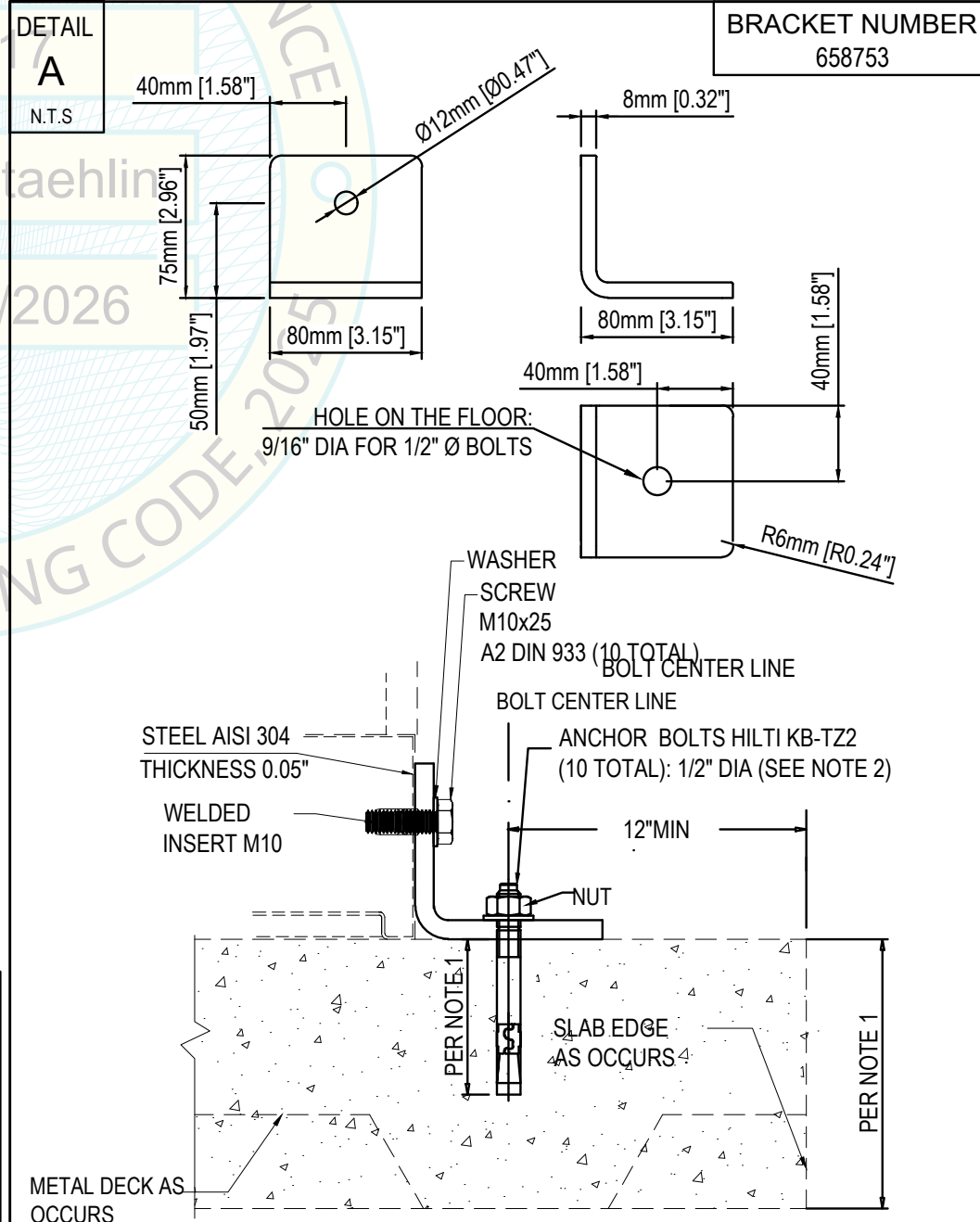
**FRONT ANCHORAGE ELEVATION**  
N.T.S



**SIDE ANCHORAGE ELEVATION**  
N.T.S



**ANCHORAGE LAYOUT @ BASE**  
N.T.S



**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1-619-997-9997

REGISTERED PROFESSIONAL ENGINEER  
MASOUD FIROUZI  
No. 36433  
STATE OF CALIFORNIA

PAGE **11** OF 31  
DATE APRIL 12 2026

**Steelco**  
**DS 610/2 D**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

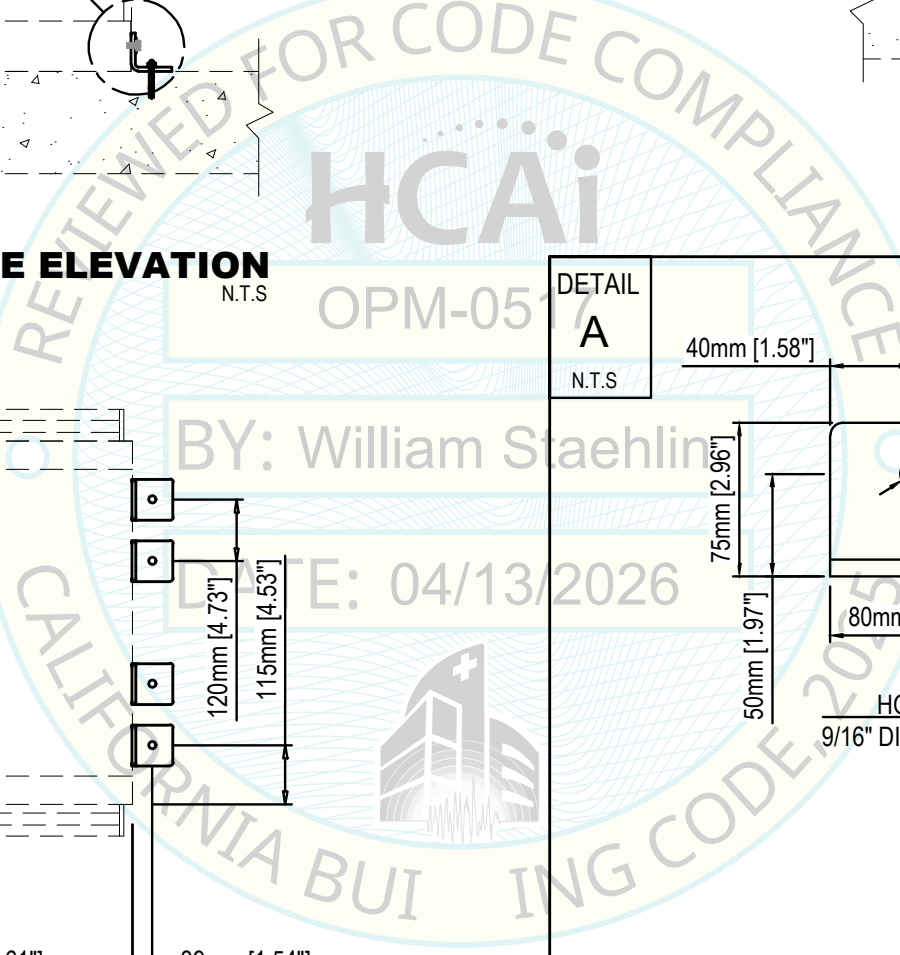
**EQUIPMENT LIST FOR OPM-0517:**  
 DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY, PH.+39 04237561

**OPM 0517**  
**INSTRUMENT WASHER DESINFECTOR**

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilm, photocopies and electronic storage) are reserved in all countries. Steelco S.p.A. and its logos are registered trademarks and property for Steelco S.p.A.



**STEELCO WASHER  
DISINFECTOR MODEL  
N° DS 610 G2**

**WEIGHT= 1149 POUNDS  
G.C.= Gravity center  
M.C.= Mass center**

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:
  - ELEVATED SLABS: 8" MIN
  - SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

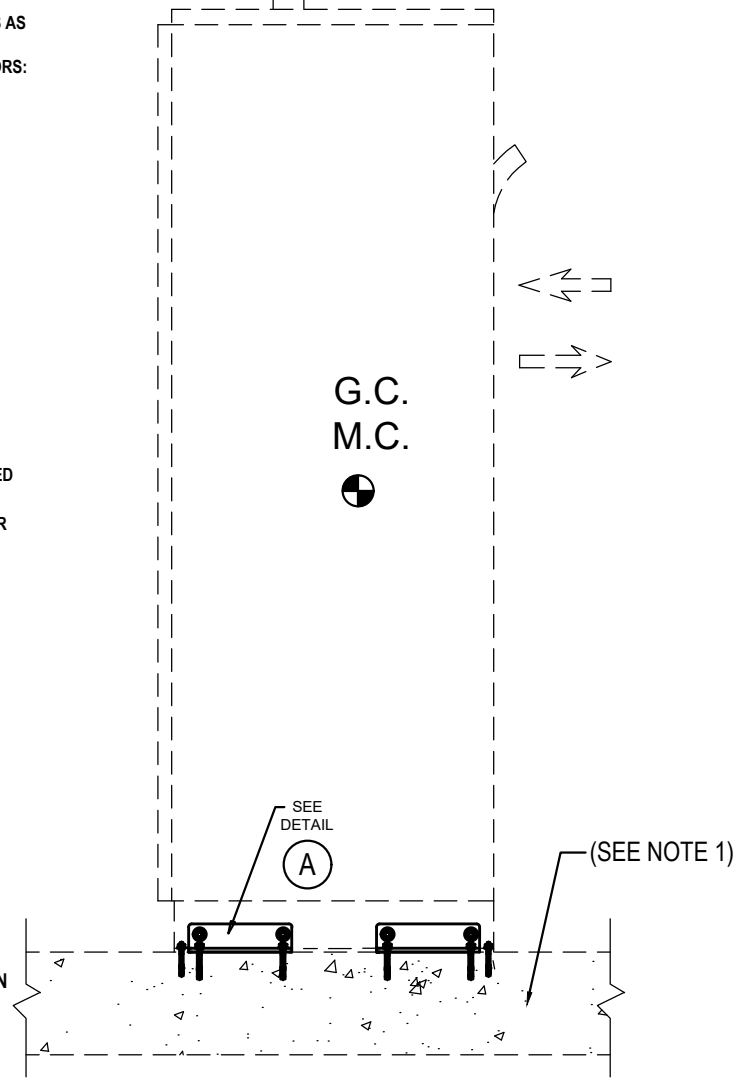
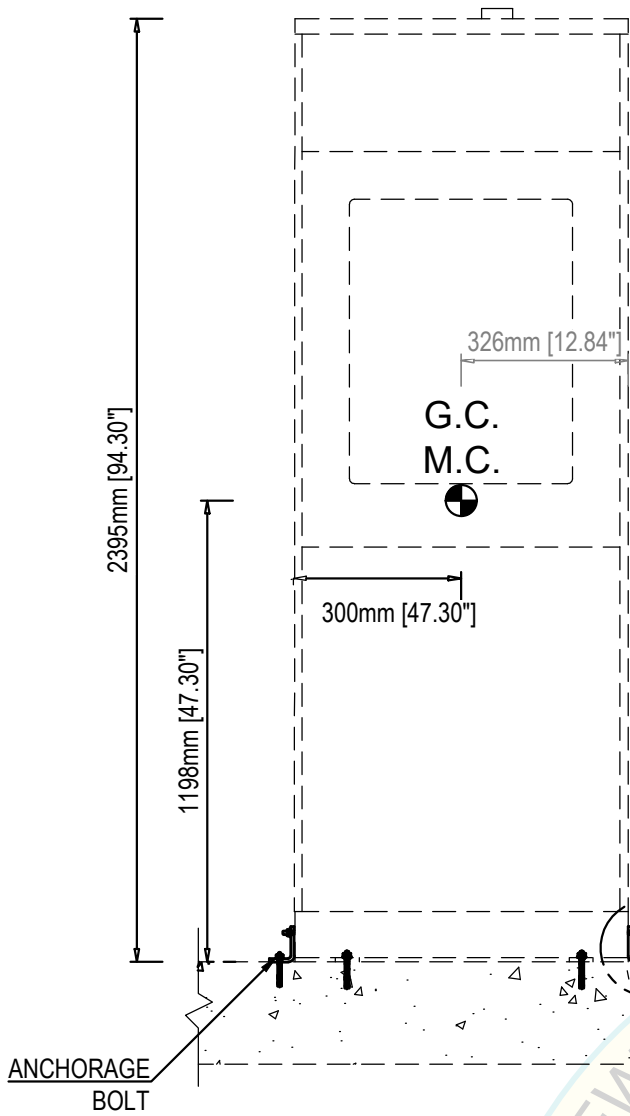
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"

**NOTE 2**

PROVIDE SHIMS (FILLERS) <math>\frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH W/PL. REFER TO AISC 360-168J5

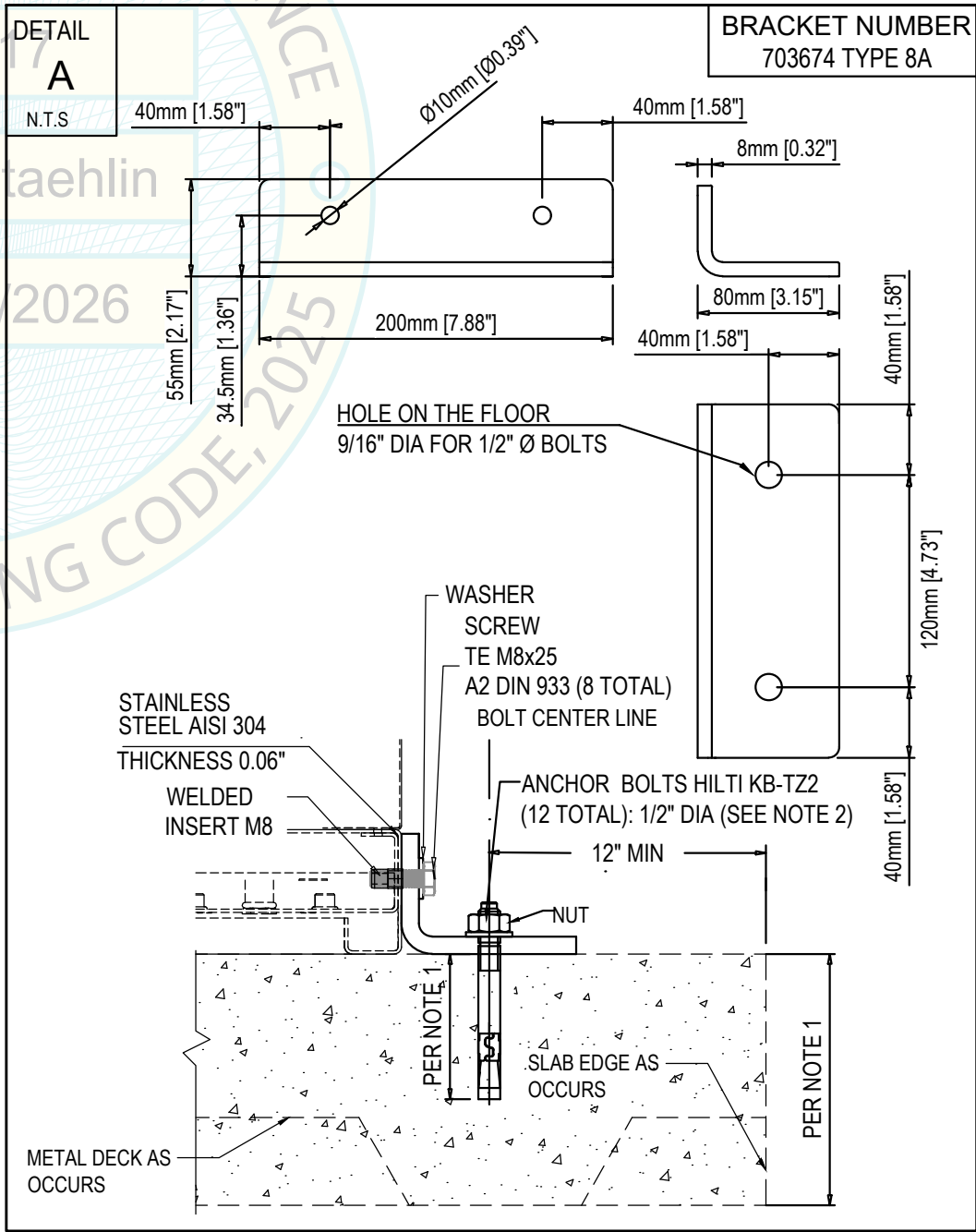
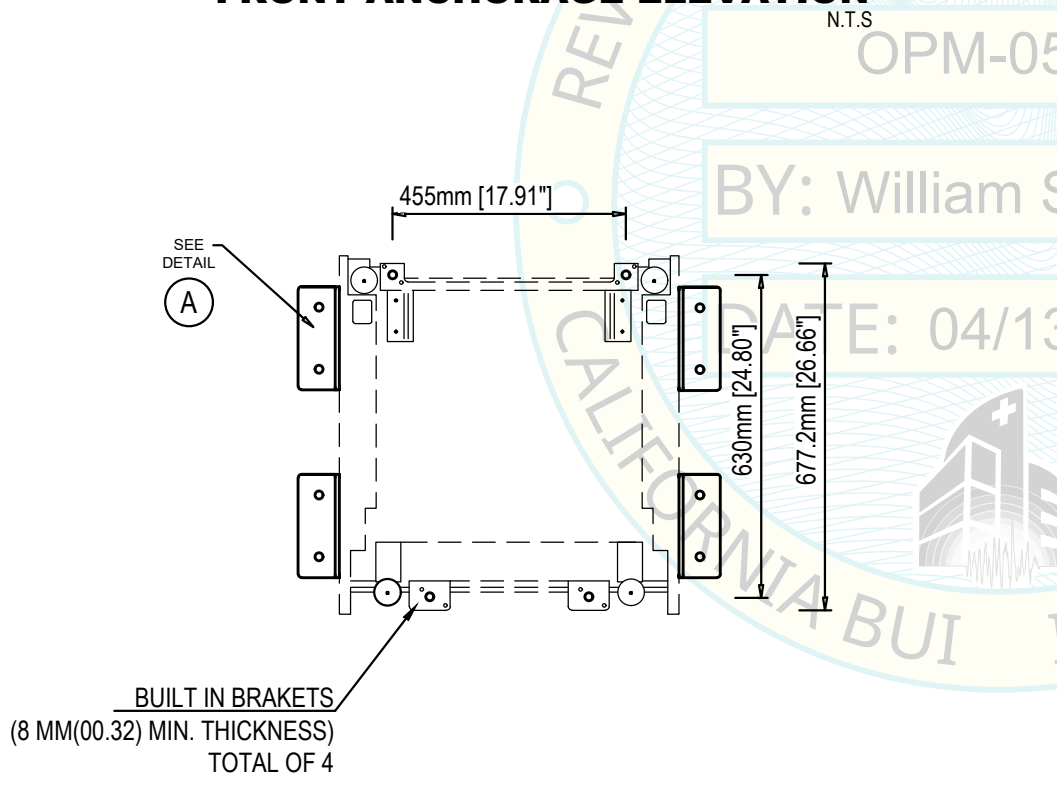
**NOTE 3**

ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



**FRONT ANCHORAGE ELEVATION**

**SIDE ANCHORAGE ELEVATION**



**Steelco**  
**DS 610 G2**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property to Steelco S.p.A

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
**INSTRUMENT WHASER DESINFECTOR**

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1-619.997.9997

**REGISTERED PROFESSIONAL ENGINEER**  
**MASOUD FIROUZI**  
No. 36433  
STATE OF CALIFORNIA

PAGE  
**12**  
OF 31  
DATE  
APRIL 12  
2026

**STEELCO WASHER  
DISINFECTOR MODEL  
N° DS 1000**

**WEIGHT= 1285 POUNDS**  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**  
THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:  
- ELEVATED SLABS: 8" MIN  
- SLAB-ON-GRADE:

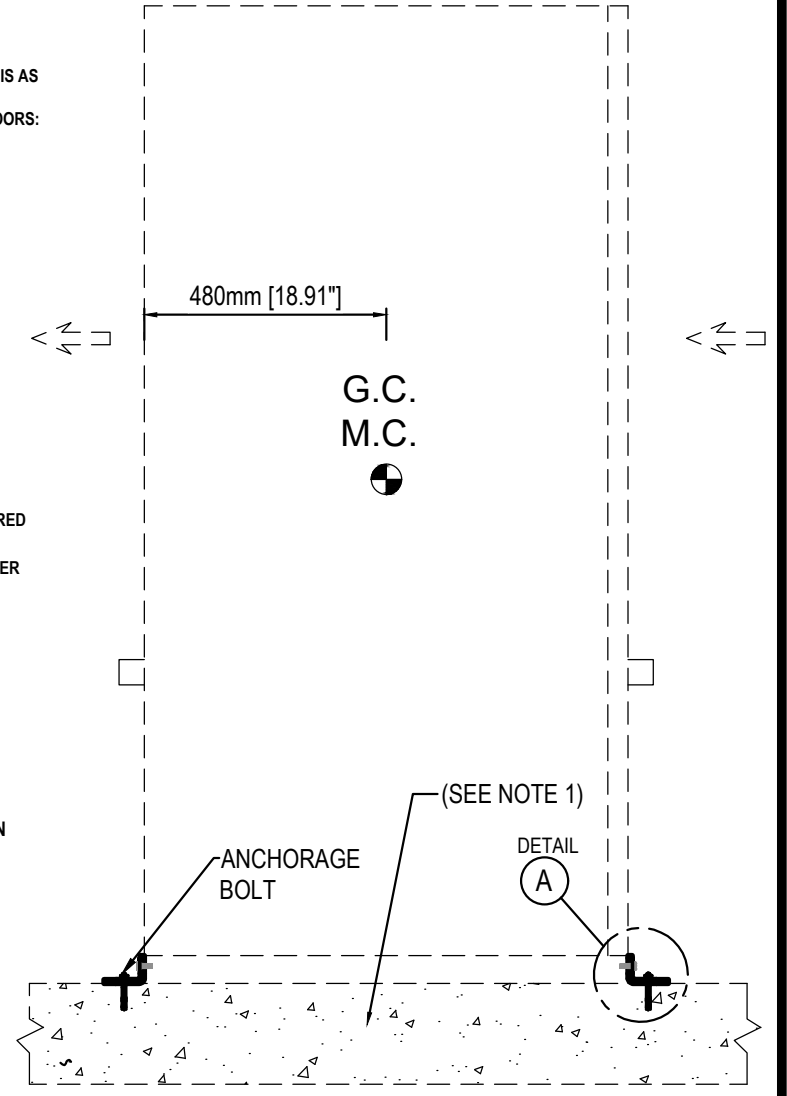
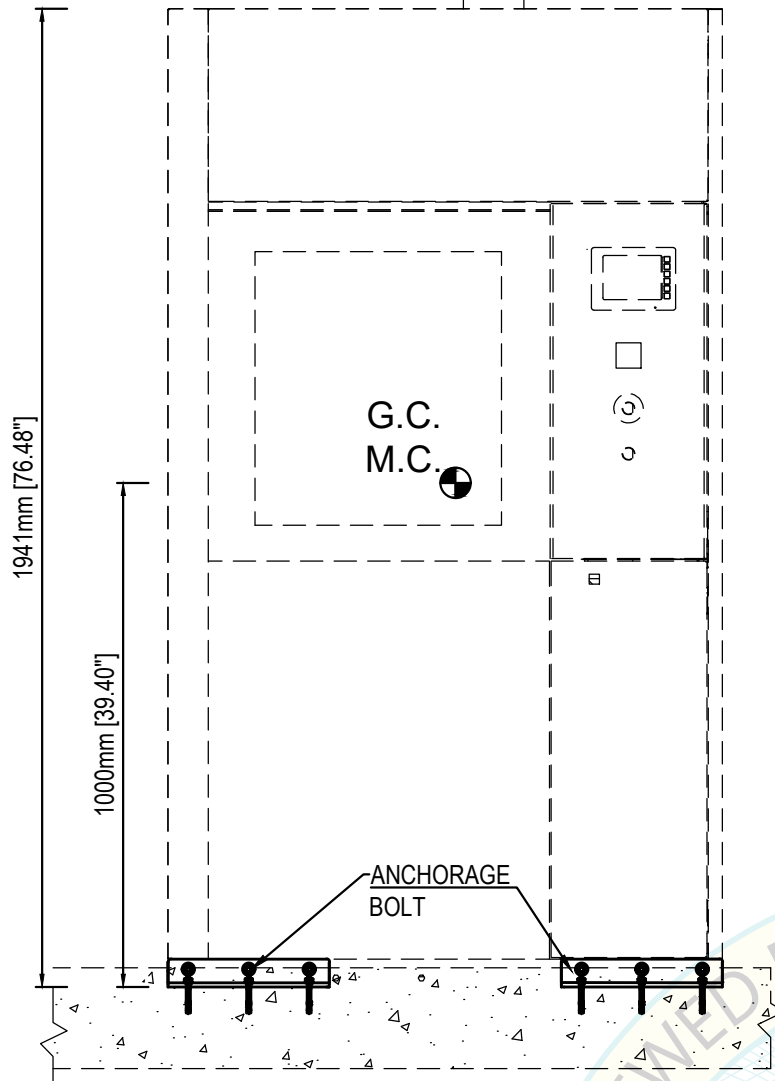
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

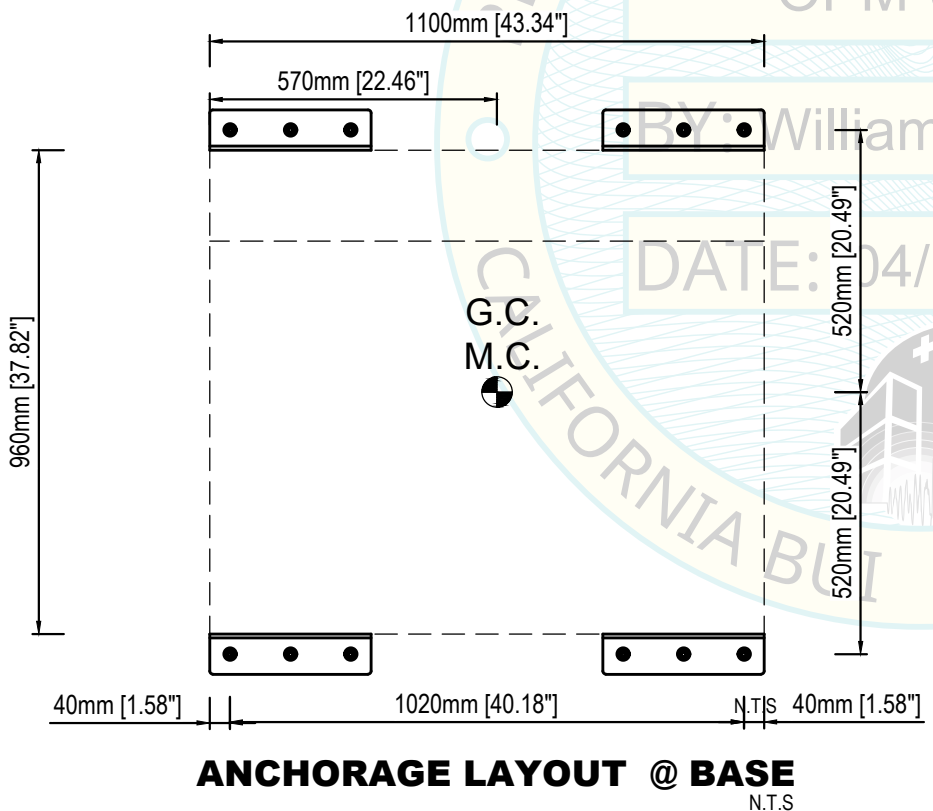
**NOTE 2**  
PROVIDE SHIMS (FILLERS) < 1/4" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH w/PL. REFER TO AISC 360-16 §J5

**NOTE 3**  
ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION

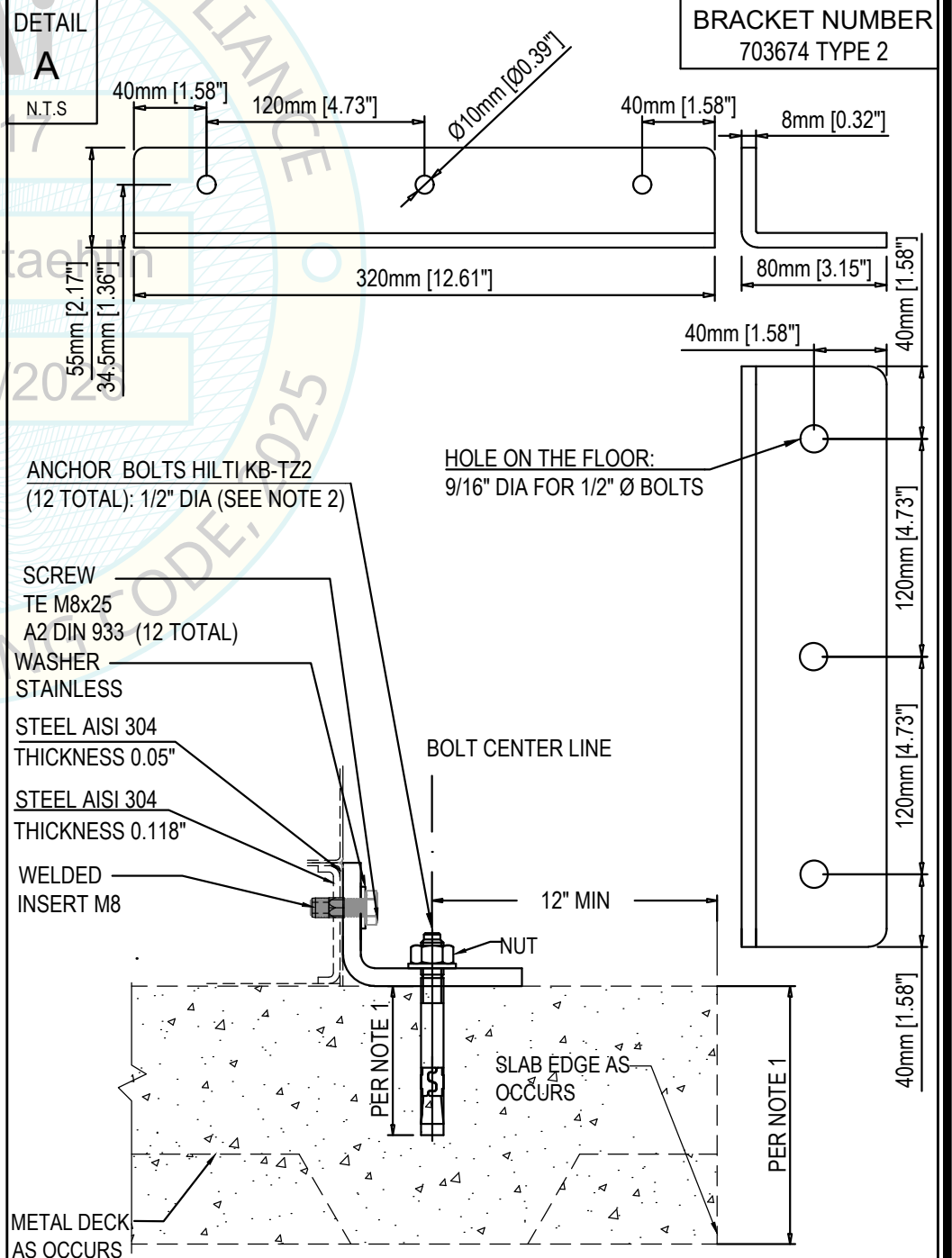


**FRONT ANCHORAGE ELEVATION**  
N.T.S.

**SIDE ANCHORAGE ELEVATION**  
N.T.S.



**ANCHORAGE LAYOUT @ BASE**  
N.T.S.



ANCHOR BOLTS HILTI KB-TZ2 (12 TOTAL): 1/2" DIA (SEE NOTE 2)

SCREW TE M8x25 A2 DIN 933 (12 TOTAL)  
WASHER STAINLESS

STEEL AISI 304 THICKNESS 0.05"  
STEEL AISI 304 THICKNESS 0.118"

WELDED INSERT M8

HOLE ON THE FLOOR: 9/16" DIA FOR 1/2" Ø BOLTS

BOLT CENTER LINE

12" MIN

NUT

SLAB EDGE AS OCCURS

METAL DECK AS OCCURS

BRACKET NUMBER 703674 TYPE 2



**DS 1000**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.



**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

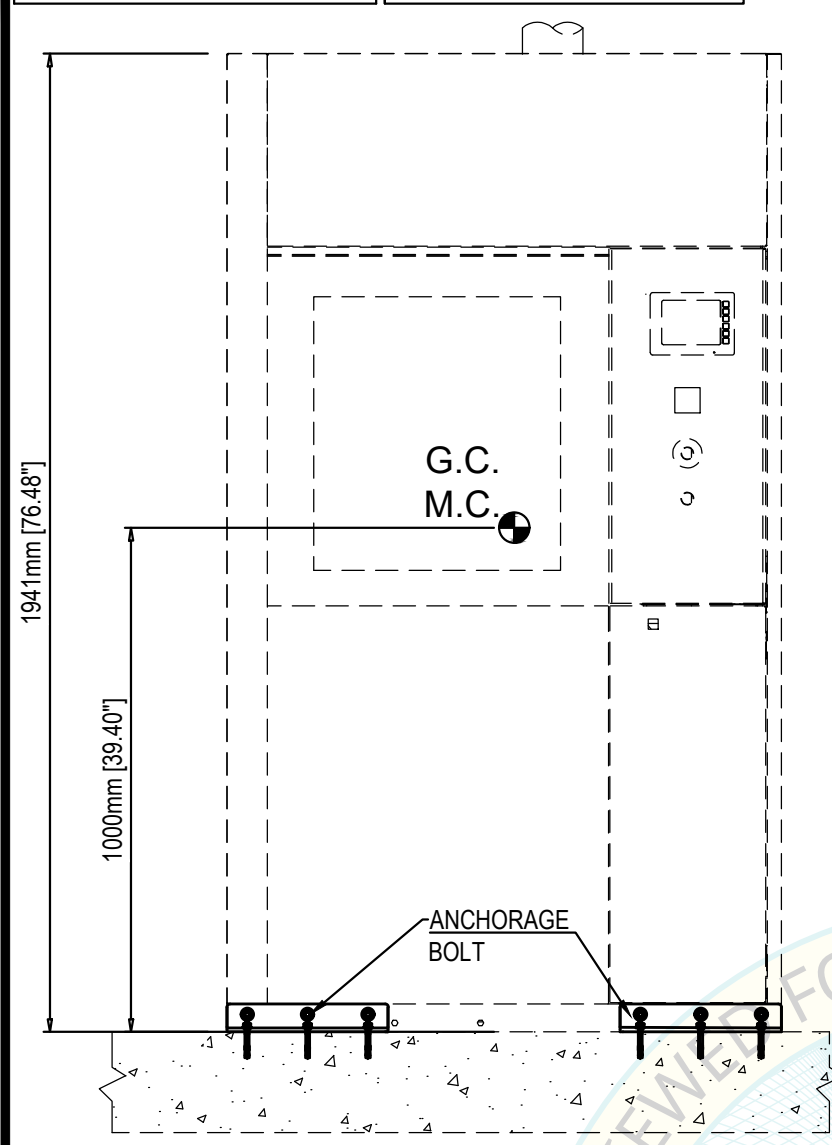
5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
1-619-997-9997



PAGE  
**13**  
OF 31  
DATE  
APRIL 12  
2026

STEELCO WASHER  
DISINFECTORS MODEL  
N° DS 1000 1S

WEIGHT= 1506 POUNDS  
G.C.= Gravity center  
M.C.= Mass center



**NOTE 1**  
THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:

- ELEVATED SLABS: 8" MIN
- SLAB-ON-GRADE:

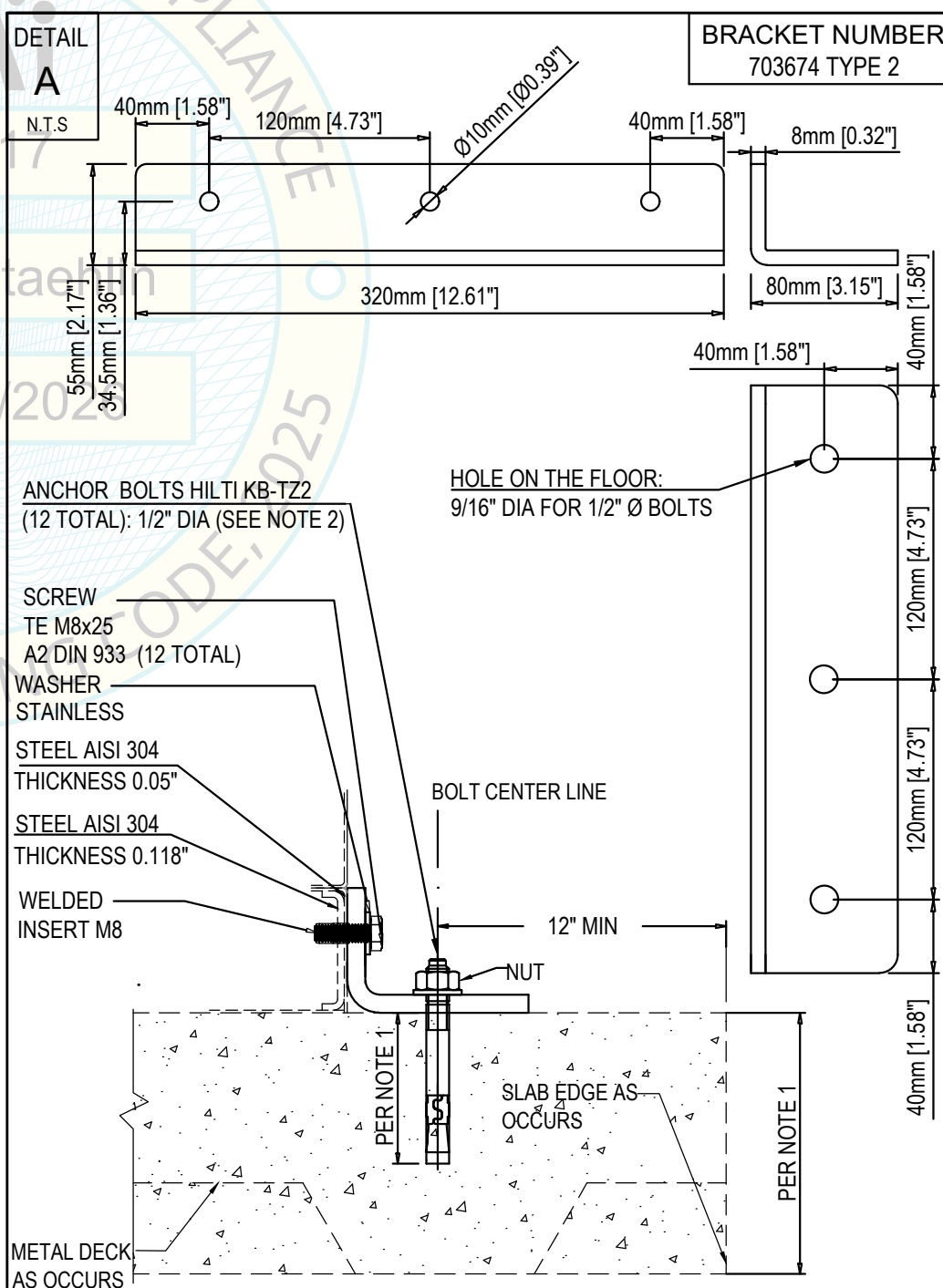
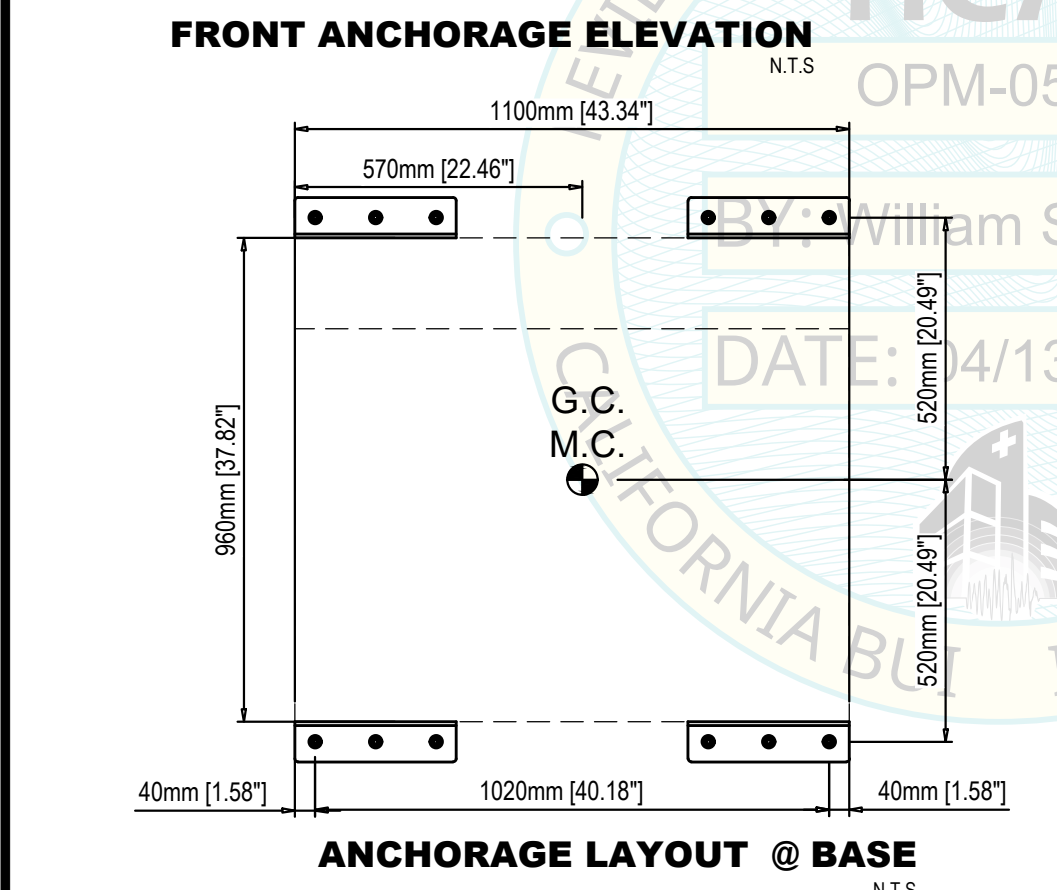
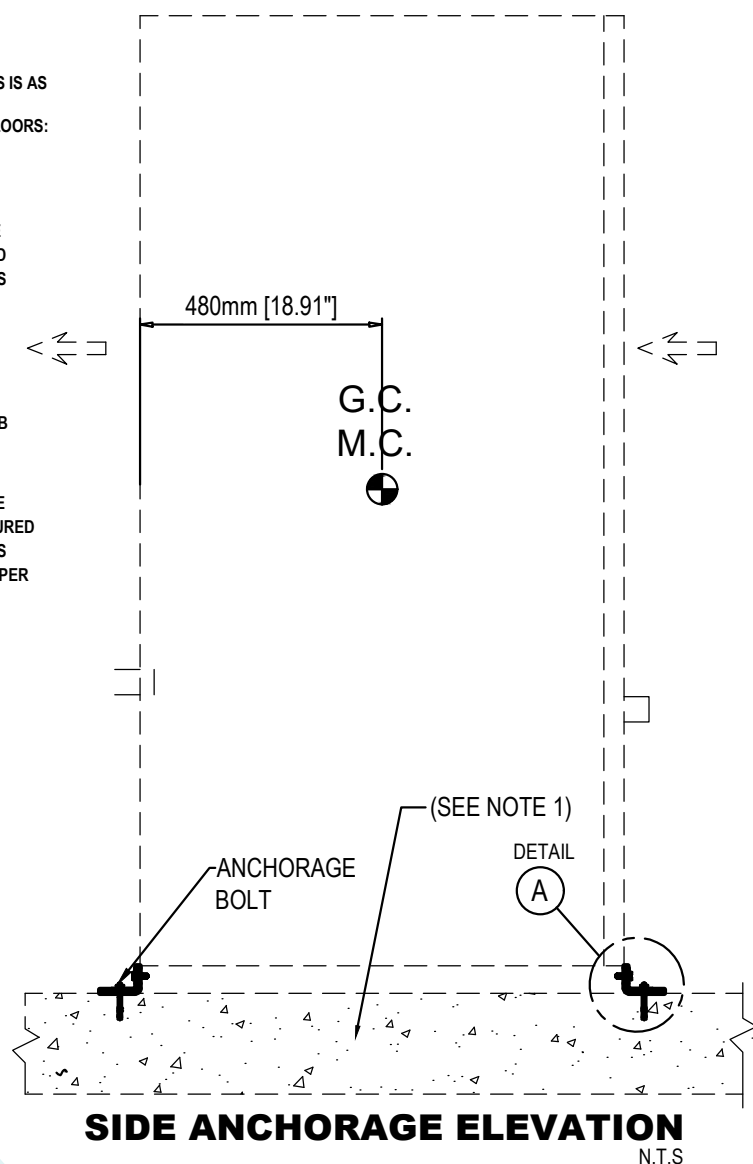
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW or SAND LW	6"

**NOTE 2**  
PROVIDE SHIMS (FILLERS) <math>\frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH w/PL. REFER TO AISC 360-16 §J5

**NOTE 3**  
ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



**Steelco**  
**DS 1000 1S**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

EQUIPMENT LIST FOR OPM-0517:  
DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

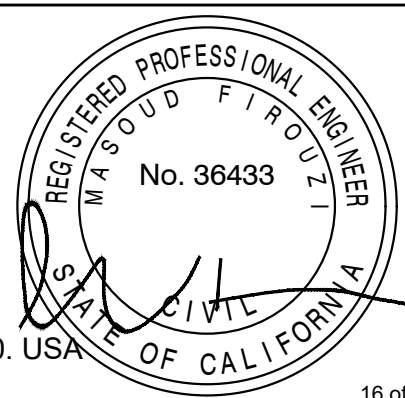
**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

STRUCTURAL DESIGN BY:

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
1-619-997-9997



PAGE  
**14**  
OF 31  
DATE  
APRIL 12  
2026

**STEELCO WASHER  
DISINFECTOR MODEL  
N° DS 1000 2S**

**WEIGHT= 1678 POUNDS**  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**  
THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:

- ELEVATED SLABS: 8" MIN
- SLAB-ON-GRADE:

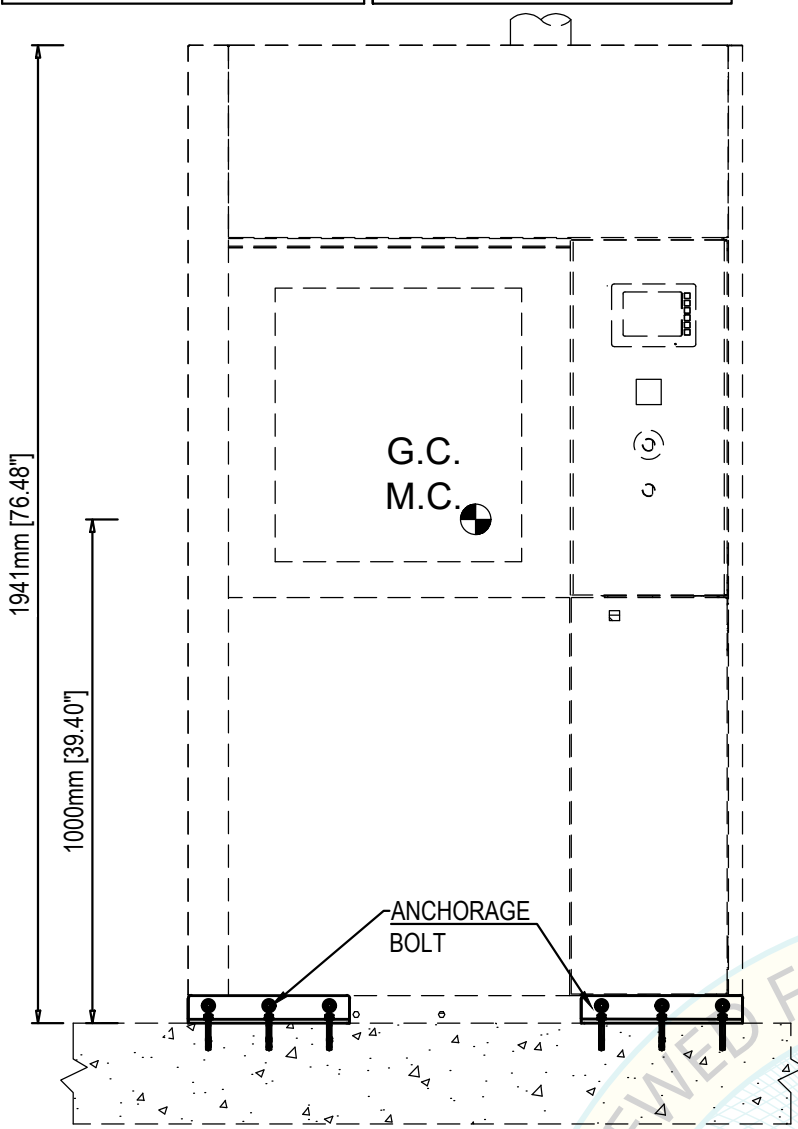
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

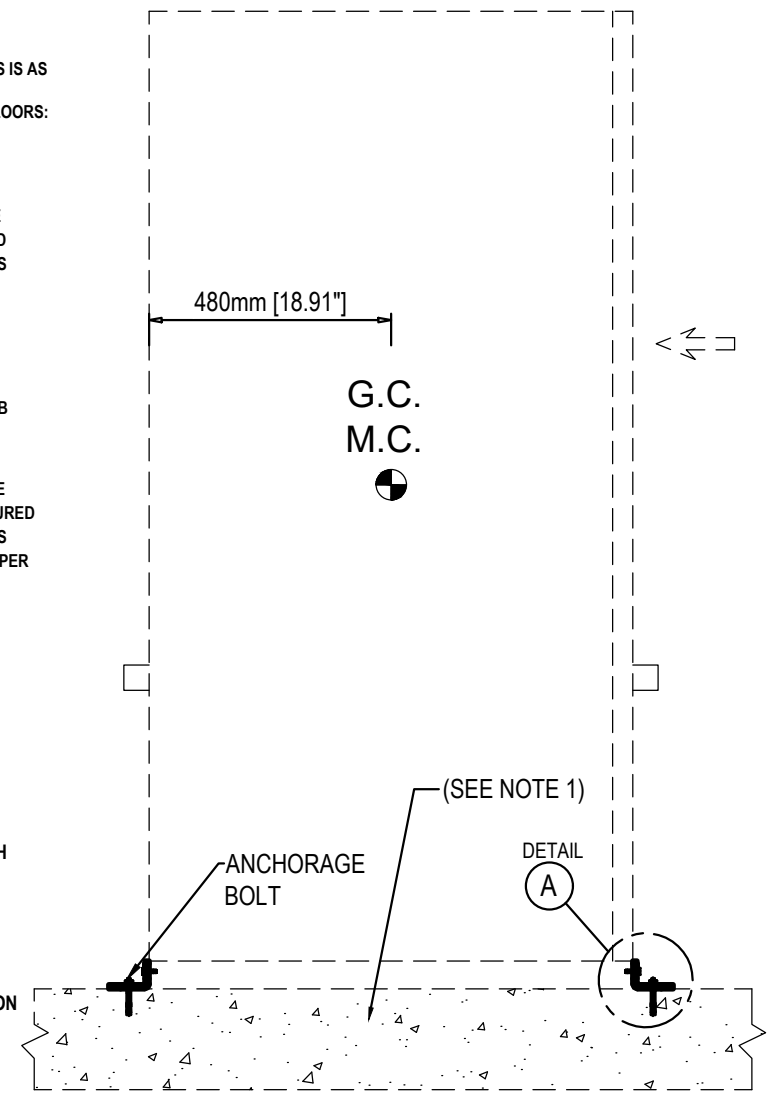
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**  
PROVIDE SHIMS (FILLERS) < 1/4" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH W/PL. REFER TO AISC 360-16 § J5

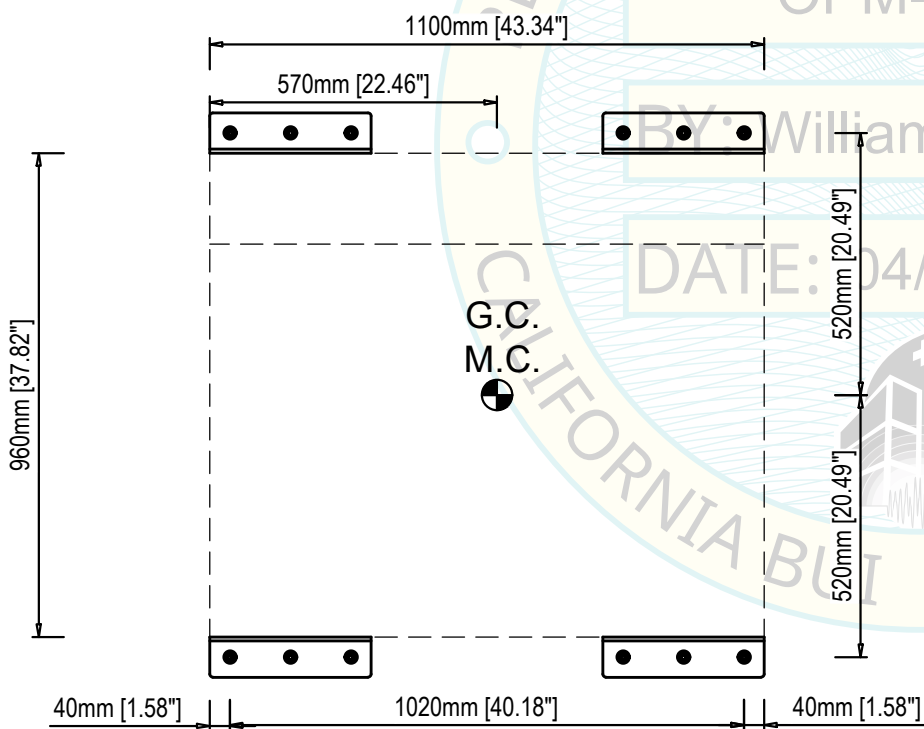
**NOTE 3**  
ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



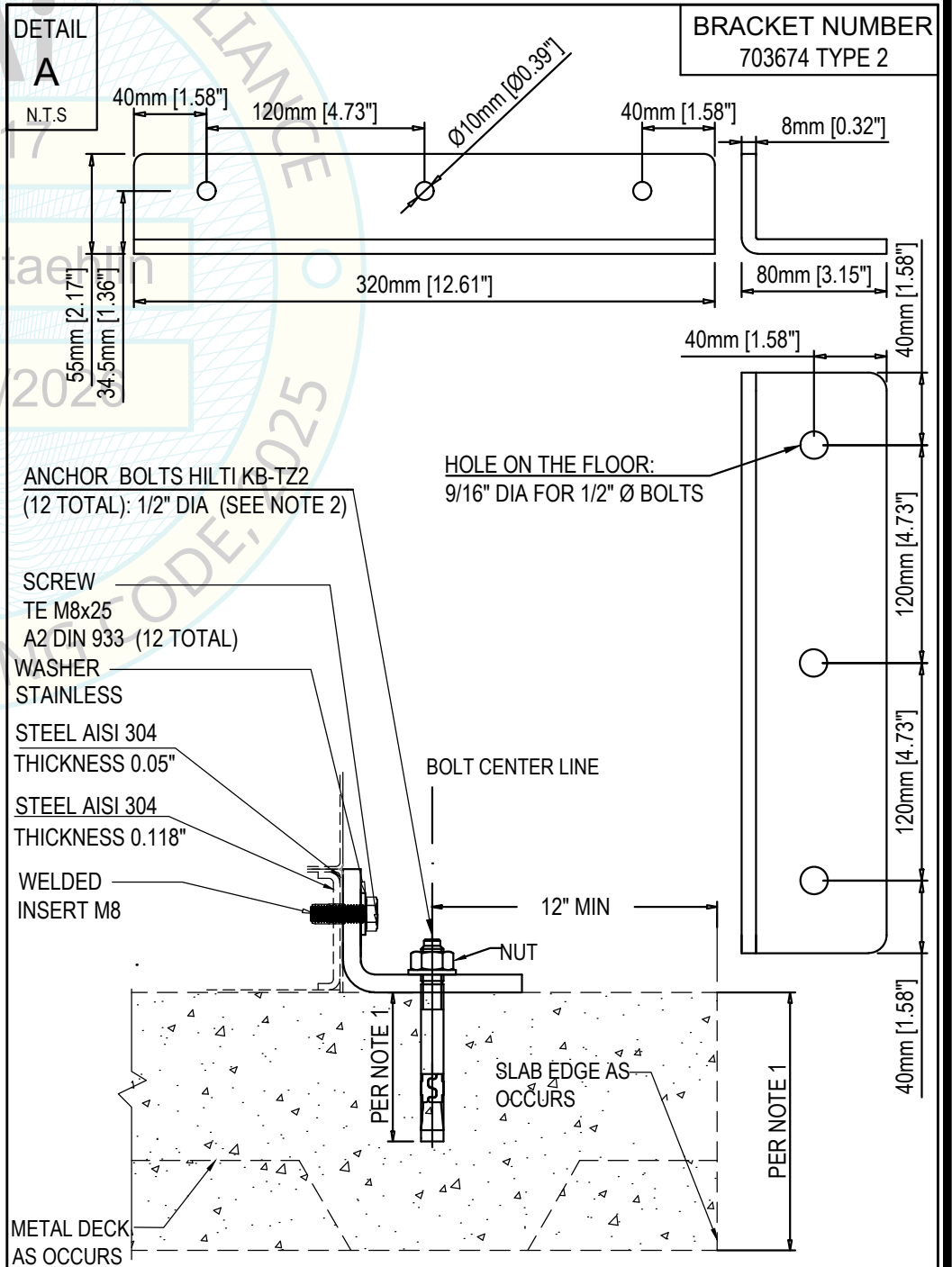
**FRONT ANCHORAGE ELEVATION**  
N.T.S.



**SIDE ANCHORAGE ELEVATION**  
N.T.S.



**ANCHORAGE LAYOUT @ BASE**  
N.T.S.



BRACKET NUMBER  
703674 TYPE 2

**Steelco**  
**DS 1000 2S**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

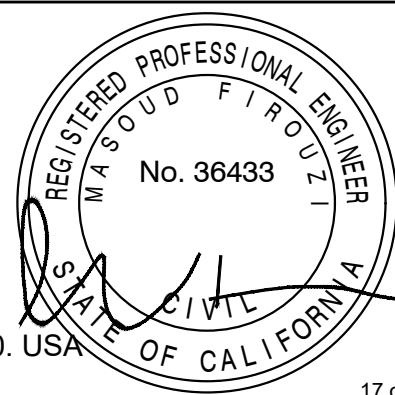
Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI  
CONSULTING  
ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA

1-619-997-9997



PAGE

**15**

OF 31

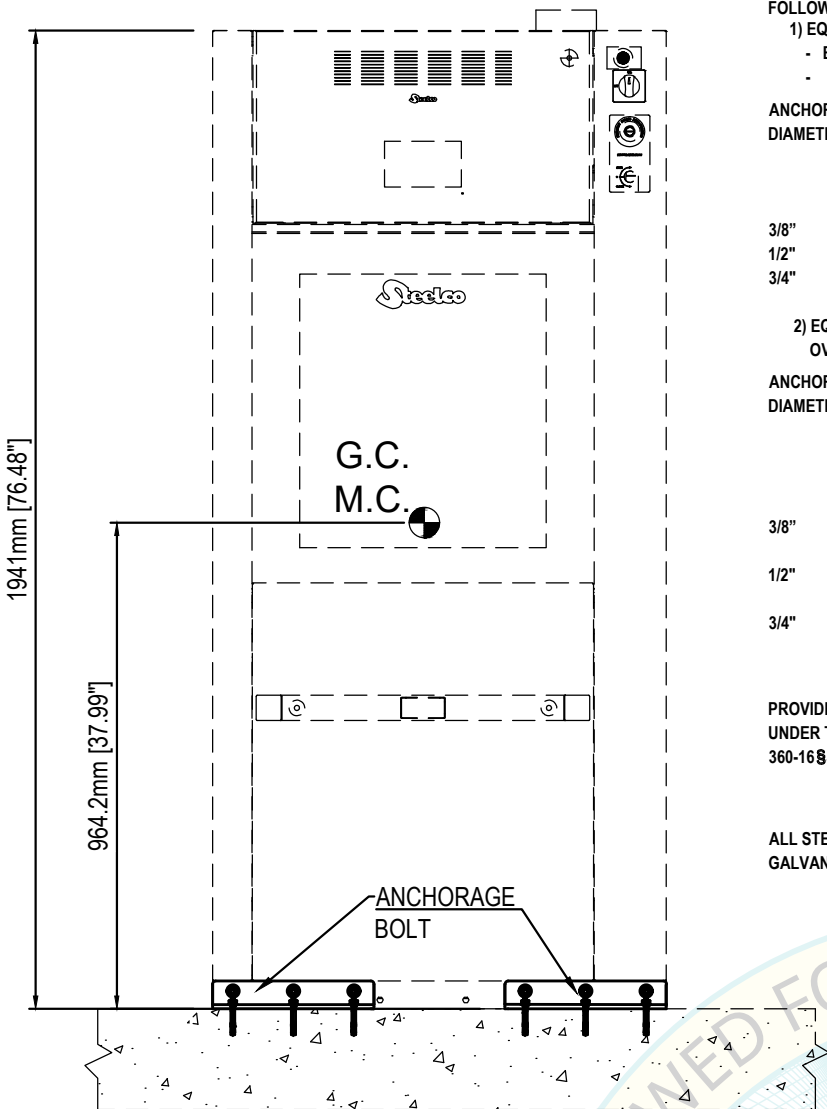
DATE

APRIL 12

2026

STEELCO WASHER  
DISINFECTORS MODEL  
N° DS 1000 N

WEIGHT= 1290 POUNDS  
G.C.= Gravity center  
M.C.= Mass center



**NOTE 1**  
THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:

- ELEVATED SLABS: 8" MIN
- SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN $f_c=3000$ psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

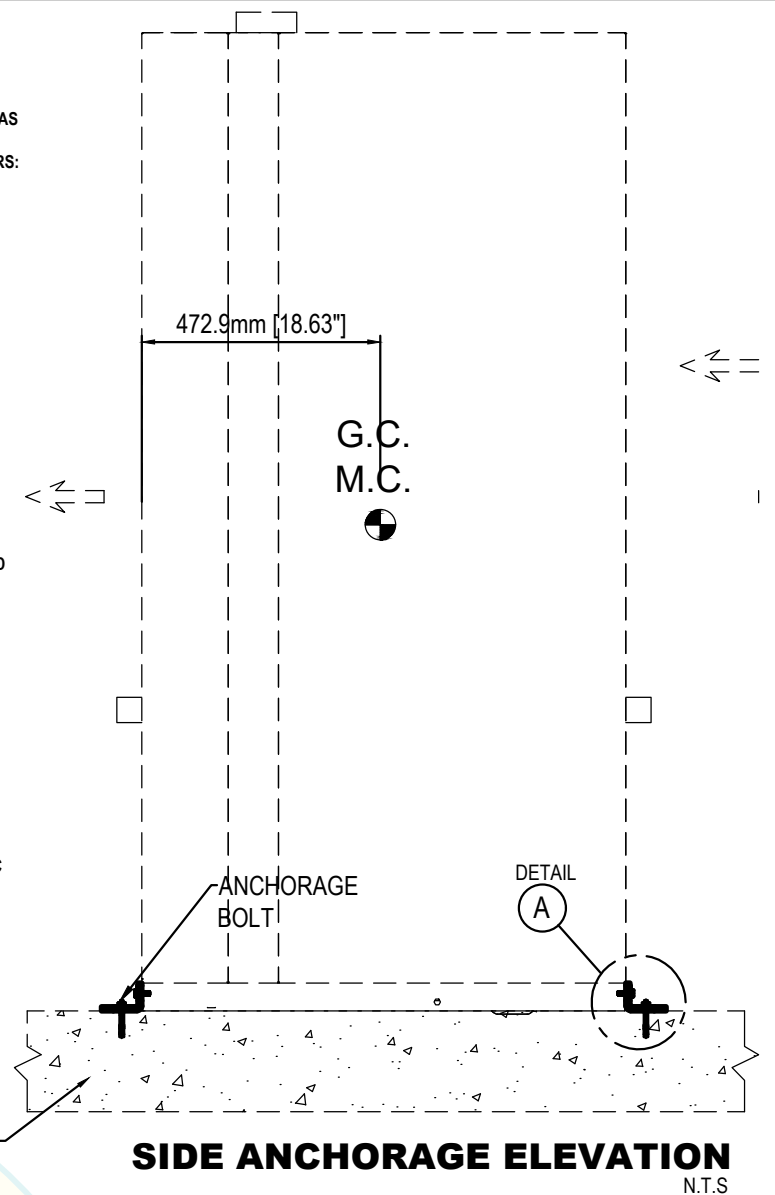
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN $f_c=3000$ psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**

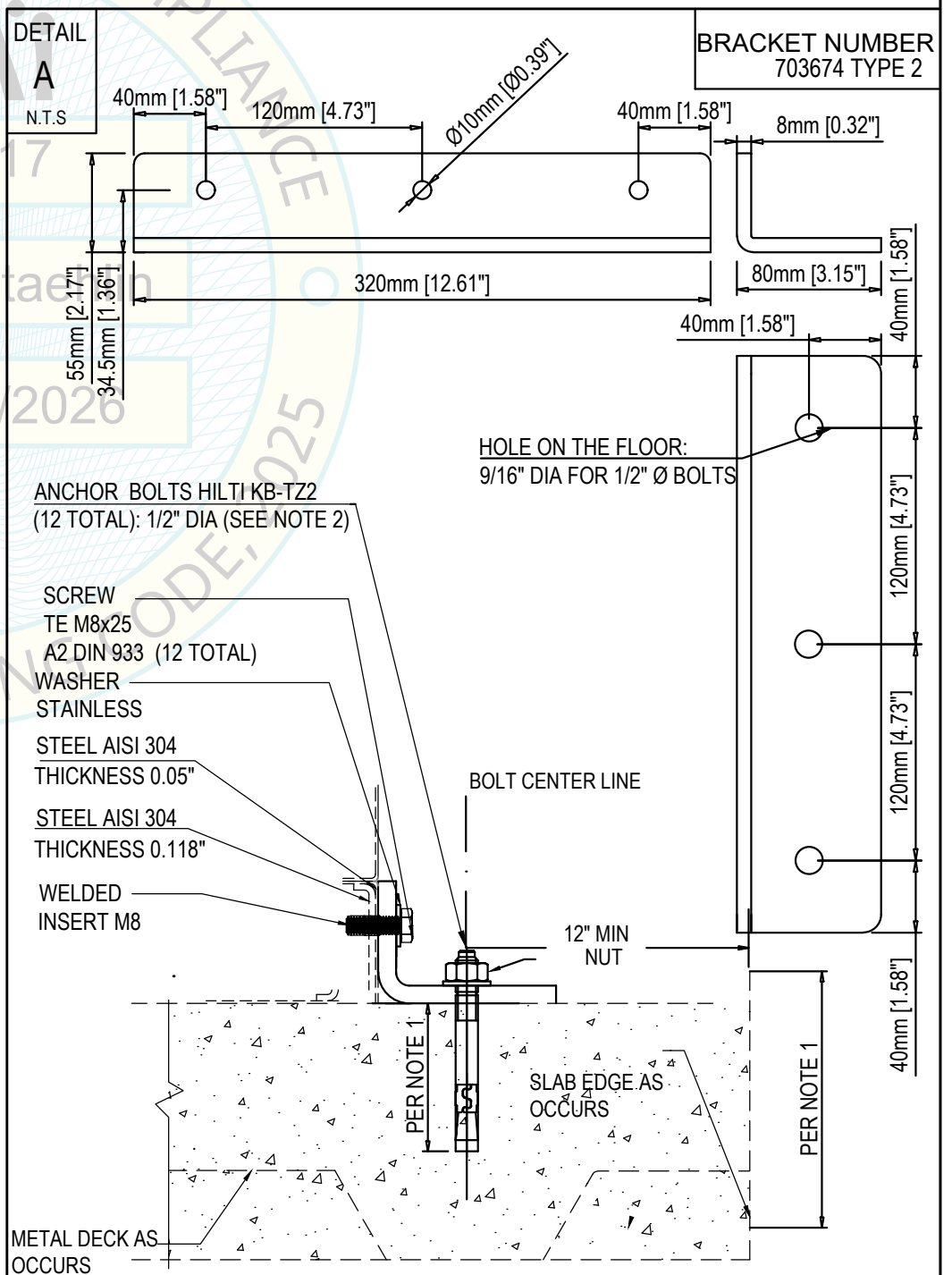
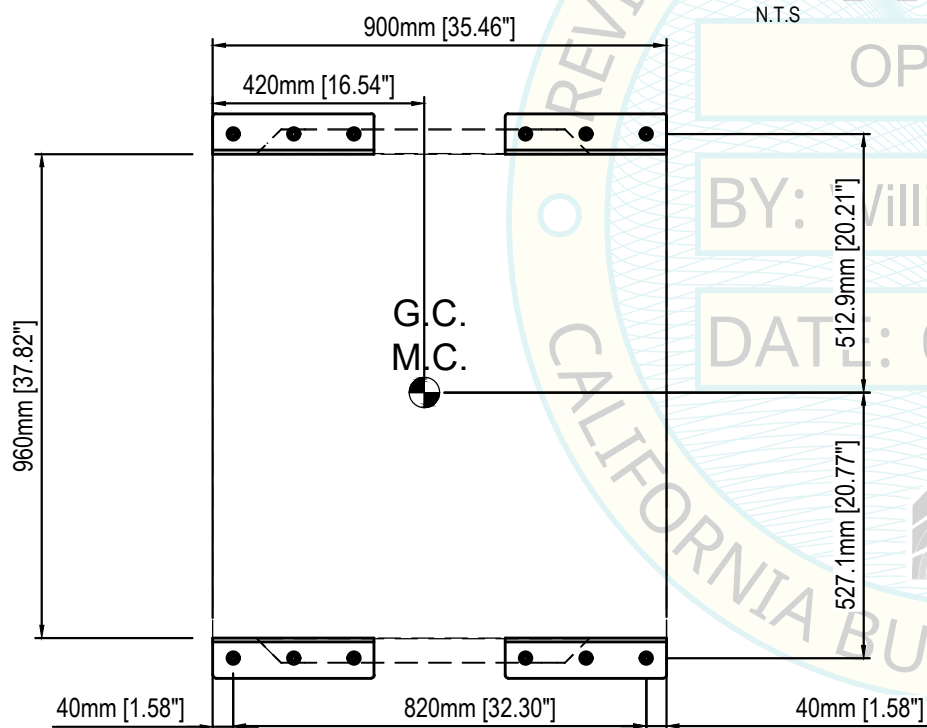
PROVIDE SHIMS (FILLERS) <math>\frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH W/PL. REFER TO AISC 360-16 §J5

**NOTE 3**

ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



**FRONT ANCHORAGE ELEVATION**



Steelco  
**DS 1000 N**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

Steelco  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

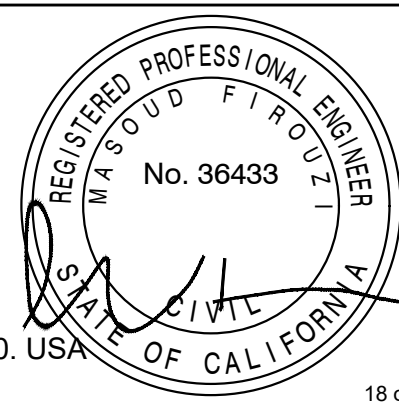
Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA

+1 619 997 9997



PAGE

16

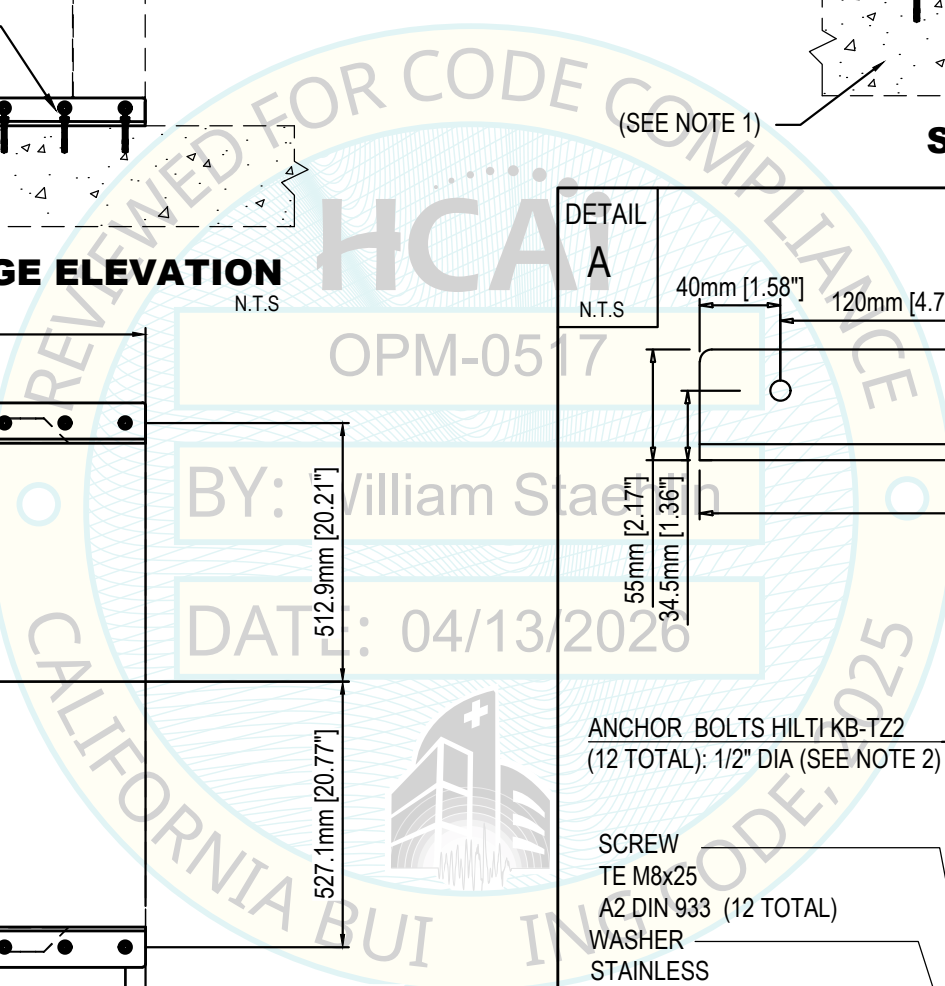
OF 31

DATE

APRIL 12

2026

18 of 33



STEELCO WASHER  
DISINFECTORS MODEL  
N° DS 1000 N1S

WEIGHT= 1500 POUNDS  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:
  - ELEVATED SLABS: 8" MIN
  - SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

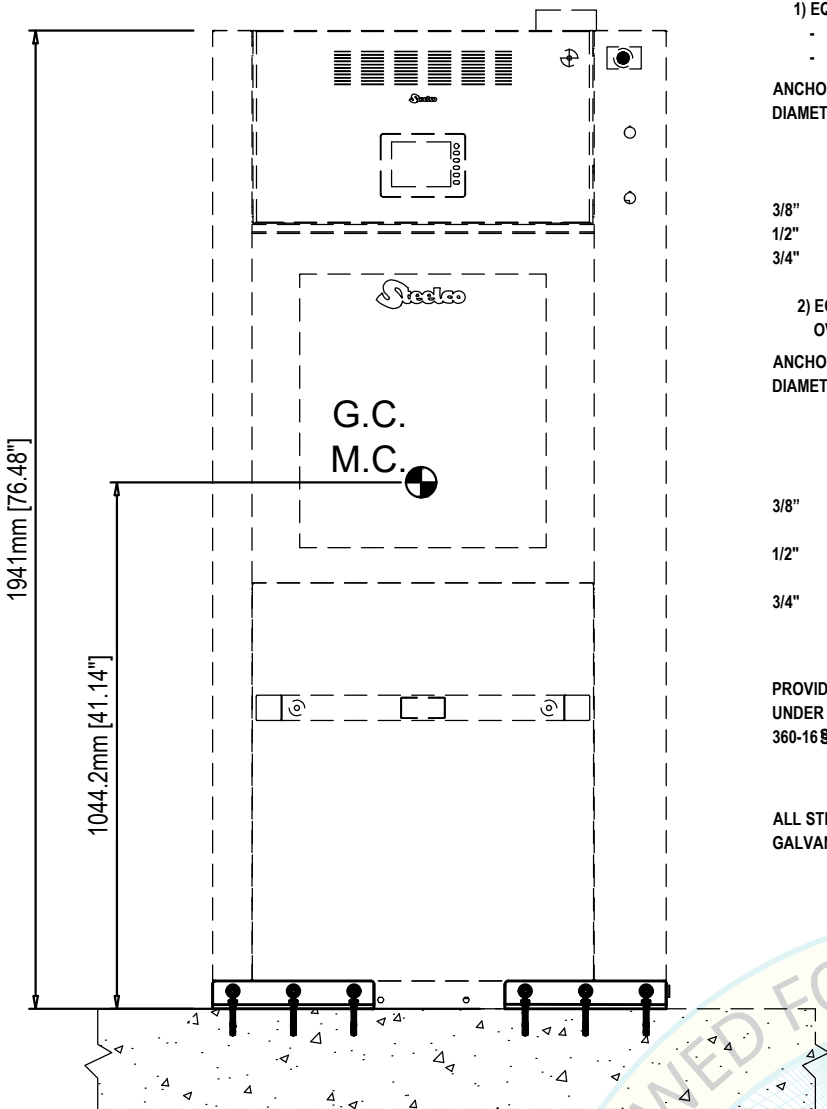
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**

PROVIDE SHIMS (FILLERS) <math>\leq \frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH W/PL. REFER TO AISC 360-16 B.5

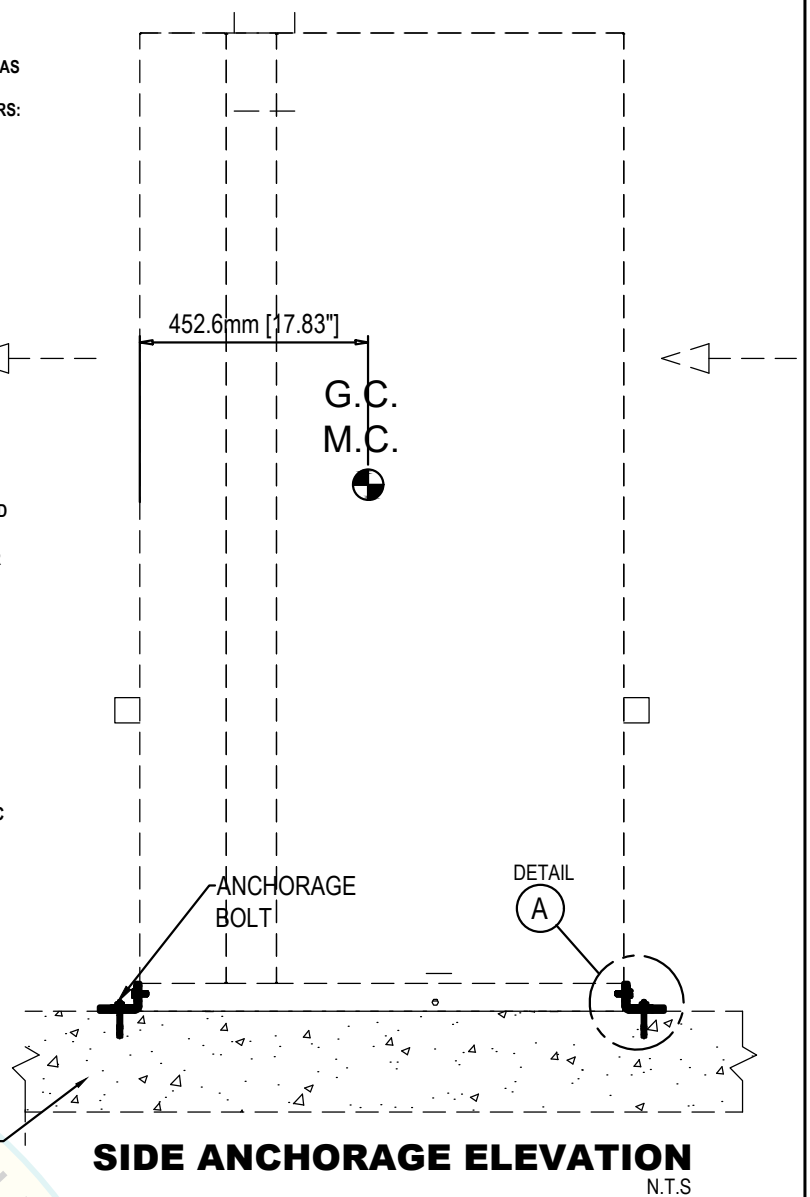
**NOTE 3**

ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



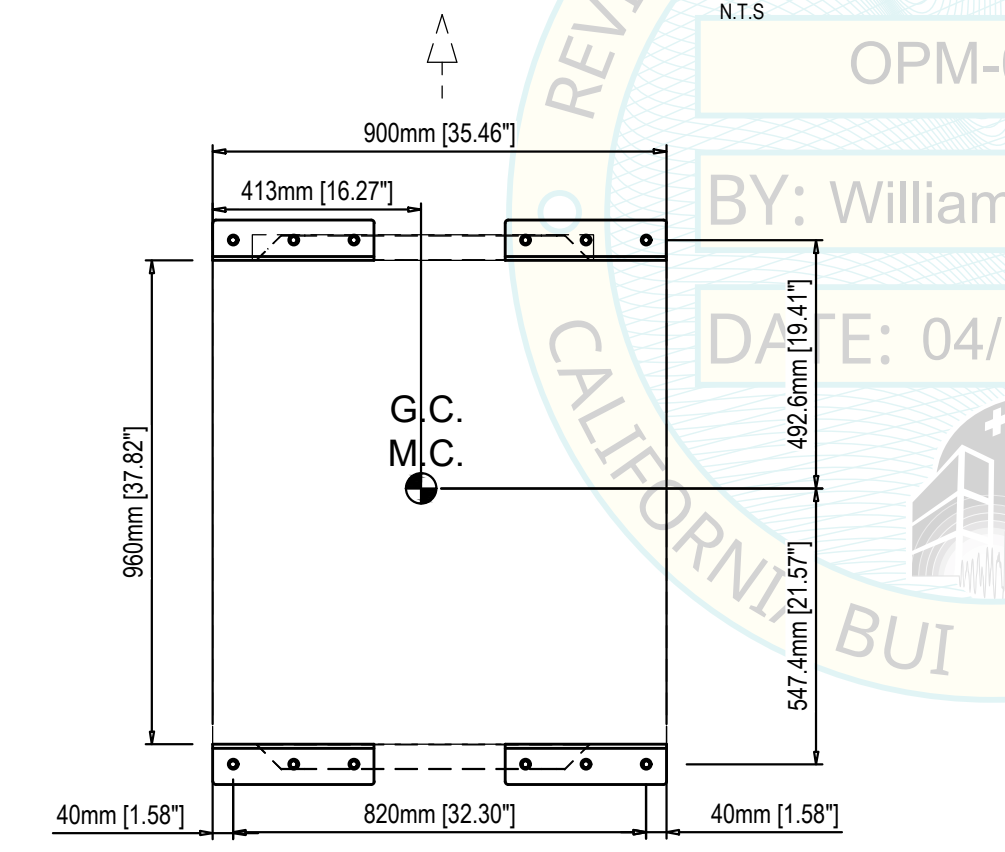
**FRONT ANCHORAGE ELEVATION**

N.T.S



**SIDE ANCHORAGE ELEVATION**

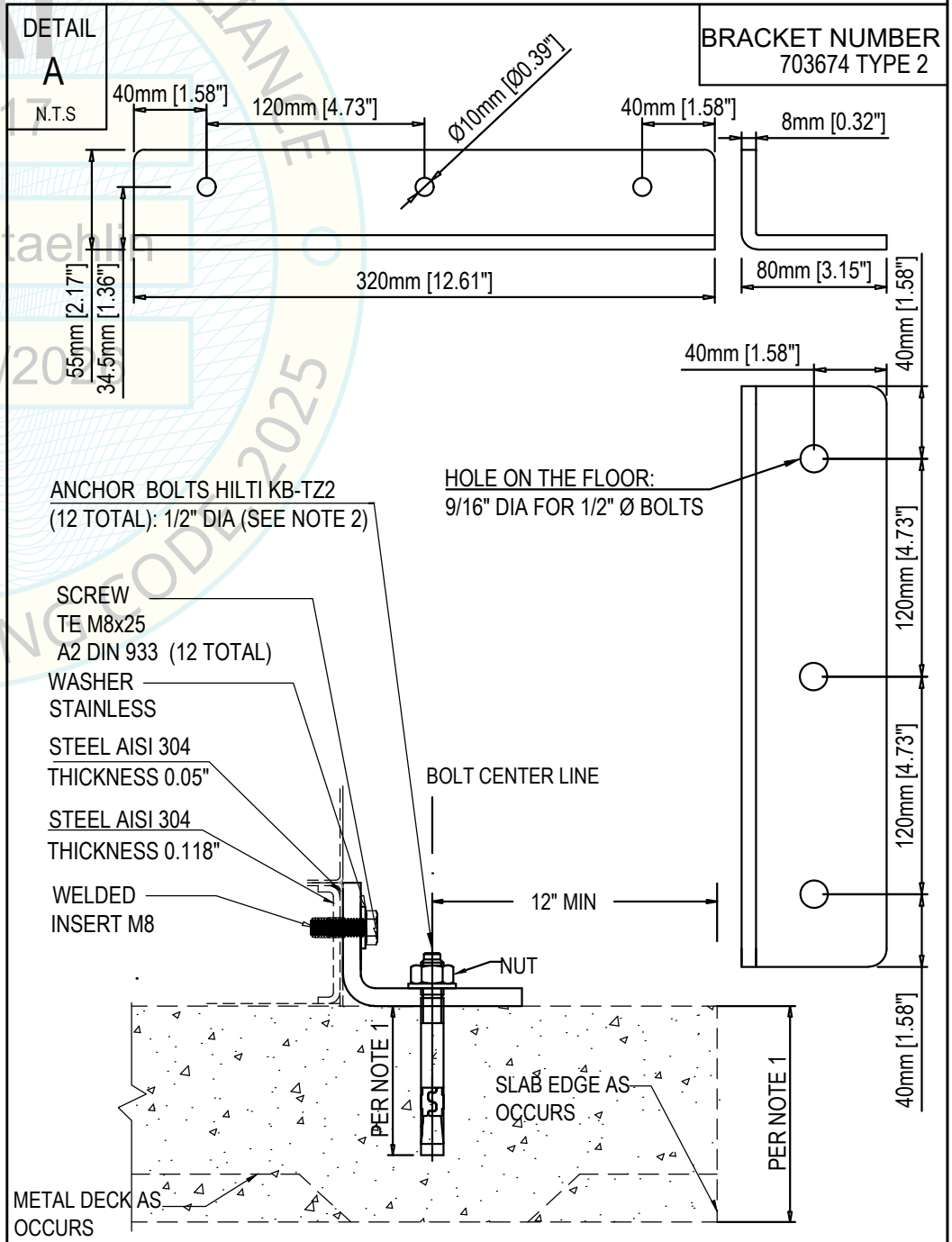
N.T.S



**ANCHORAGE LAYOUT @ BASE**

N.T.S

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.



ANCHOR BOLTS HILTI KB-TZ2 (12 TOTAL): 1/2" DIA (SEE NOTE 2)

SCREW TE M8x25 A2 DIN 933 (12 TOTAL)

WASHER STAINLESS

STEEL AISI 304 THICKNESS 0.05"

STEEL AISI 304 THICKNESS 0.118"

WELDED INSERT M8

HOLE ON THE FLOOR: 9/16" DIA FOR 1/2" Ø BOLTS

METAL DECK AS OCCURS

BOLT CENTER LINE

NUT

SLAB EDGE AS OCCURS

**Steelco**  
**DS 1000 N1S**

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA

+1 619 997 9997



PAGE

17

OF 31

DATE

APRIL 12

2026



STEELCO WASHER  
DISINFECTORS MODEL  
N° TW 3000/2

WEIGHT= 2760 POUNDS  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:

- ELEVATED SLABS: 8" MIN
- SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
1/2"	3 1/4"	NW	5 1/2"

2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

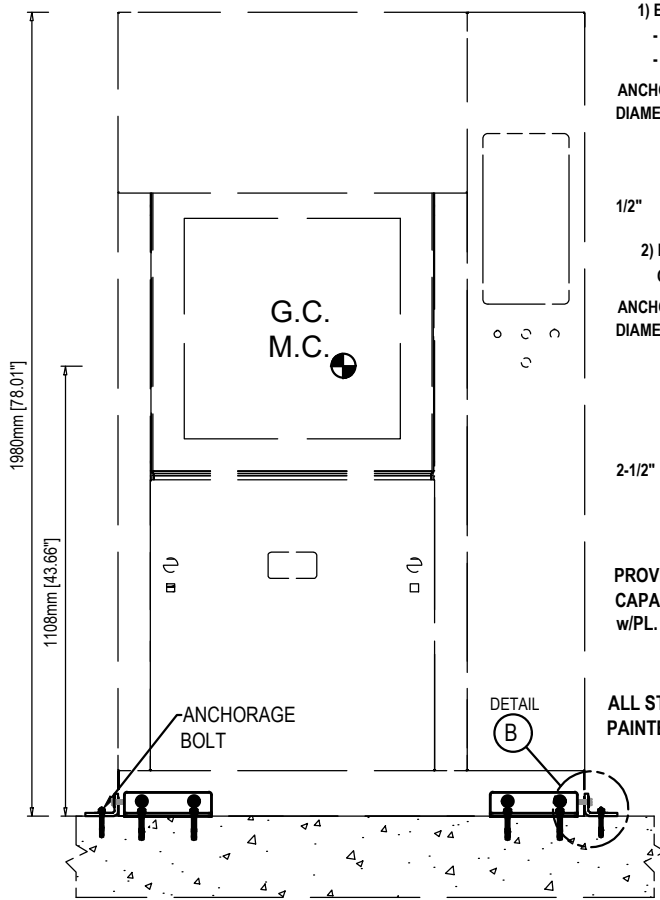
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
2-1/2"	1-1/2"	NW or SAND LW	2-1/2"

**NOTE 2**

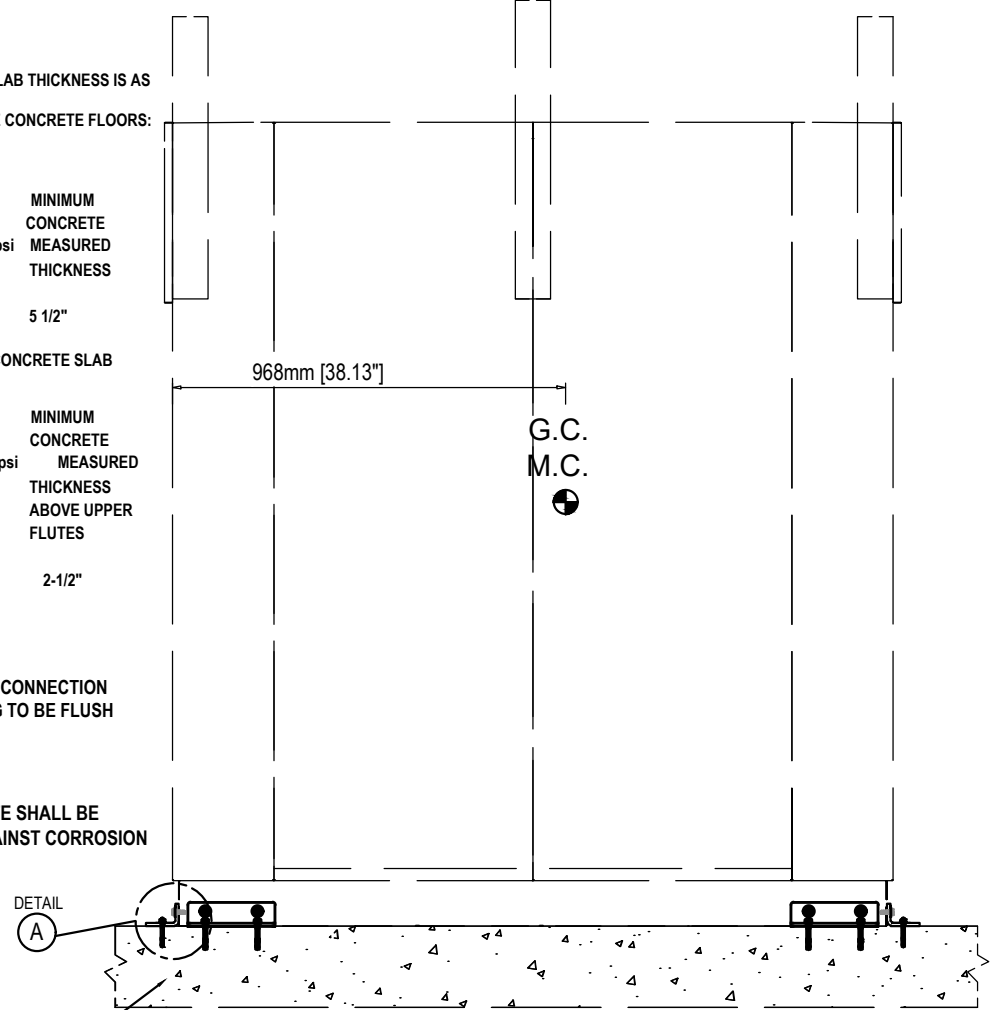
PROVIDE SHIMS (FILLERS) < 1/4" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH W/PL. REFER TO AISC 360-16§J5

**NOTE 3**

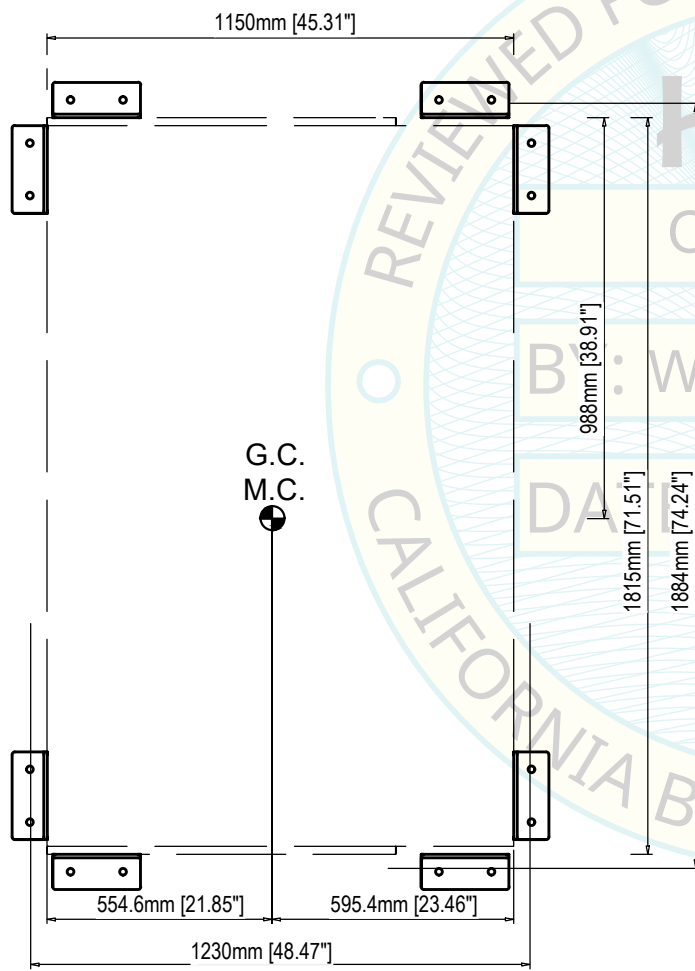
ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



**FRONT ANCHORAGE ELEVATION**  
N.T.S



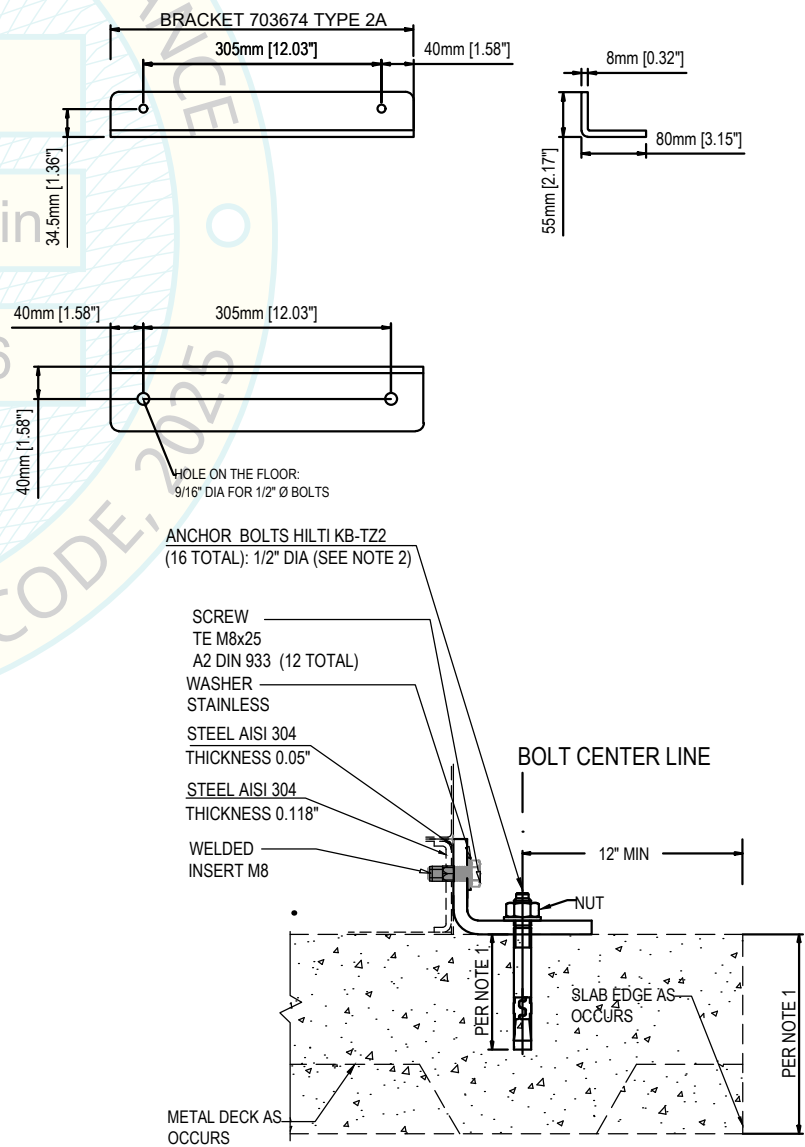
**SIDE ANCHORAGE ELEVATION**  
N.T.S



**ANCHORAGE LAYOUT @ BASE**  
N.T.S

**DETAILS**

A&B  
N.T.S



**TW 3000/2**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.



© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

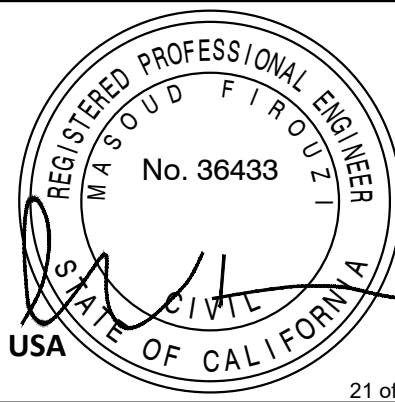
Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property to Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA

+1-619-997-9997



PAGE

19

OF 31

DATE

APRIL 12

2026

STEELCO DRYING  
CABINET MODEL N° ED 100/1  
FRONTAL SUPPORT

WEIGHT= 671 POUNDS  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:  
- ELEVATED SLABS: 8" MIN  
- SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN F <sub>c</sub> =3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB  
OVER METAL DECK:

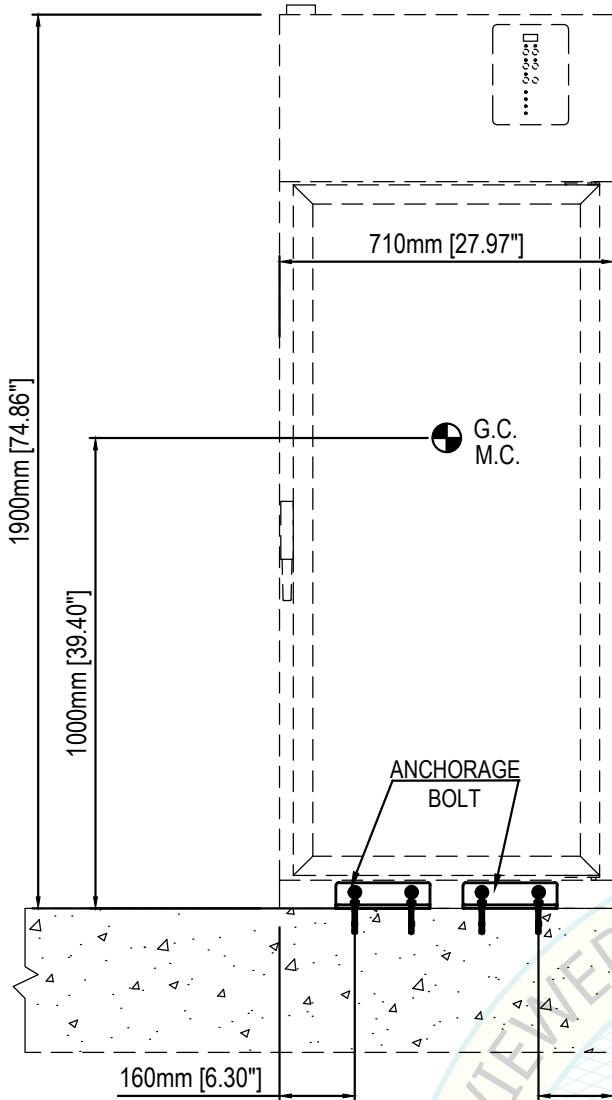
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN F <sub>c</sub> =3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**

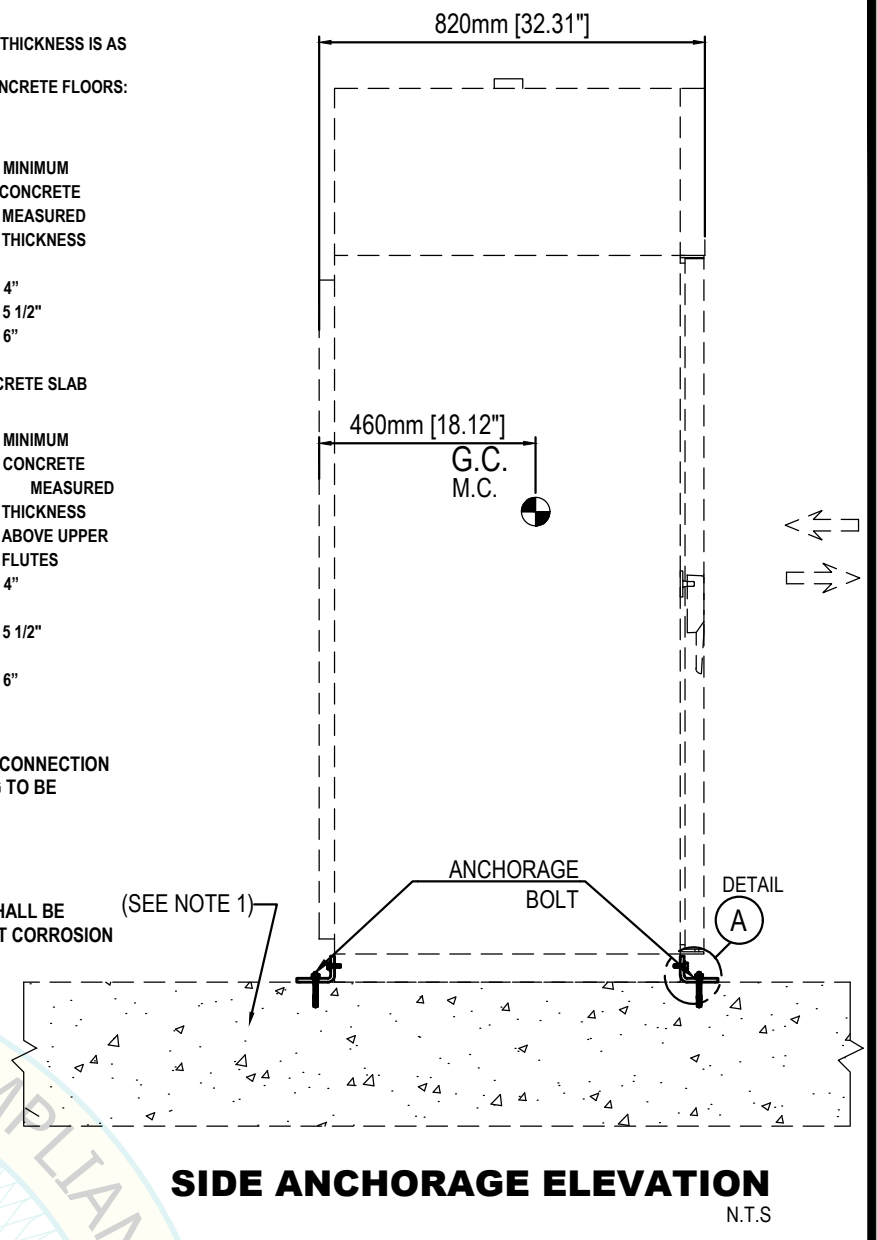
PROVIDE SHIMS (FILLERS) <math>\frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH w/PL. REFER TO AISC 360-16 § J5

**NOTE 3**

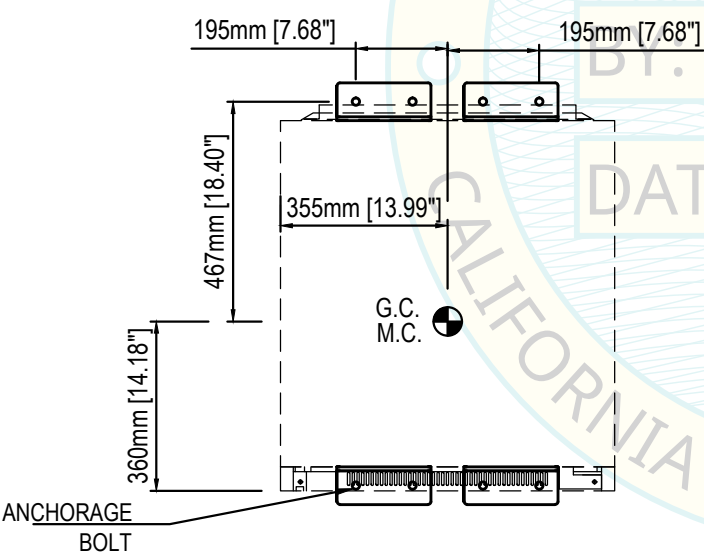
ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



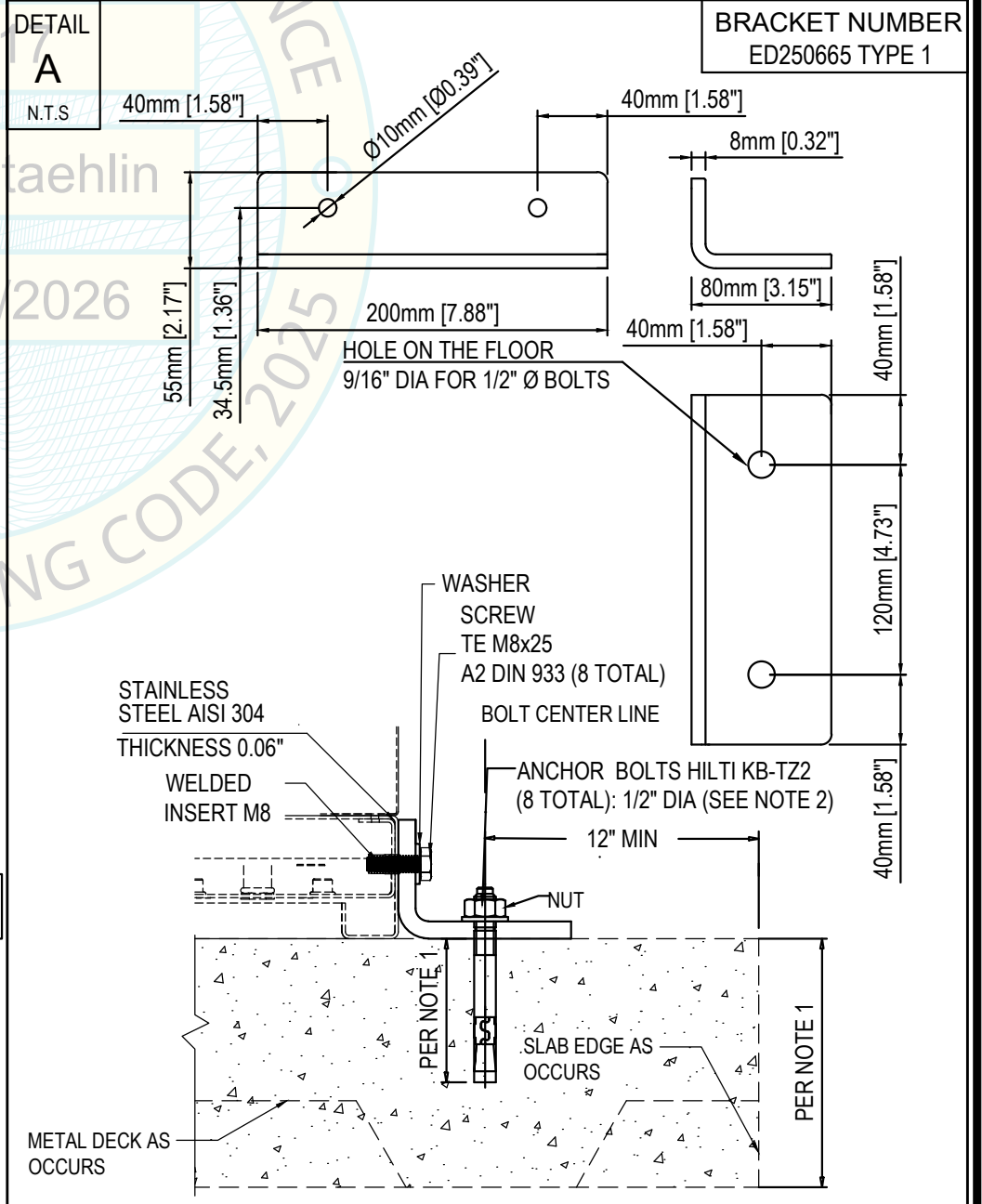
**FRONT ANCHORAGE ELEVATION**  
N.T.S.



**SIDE ANCHORAGE ELEVATION**  
N.T.S.



**ANCHORAGE LAYOUT AT BASE**  
N.T.S.



**Steelco**  
**ED 100/1** FRONTAL SUPPORT

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**  
DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

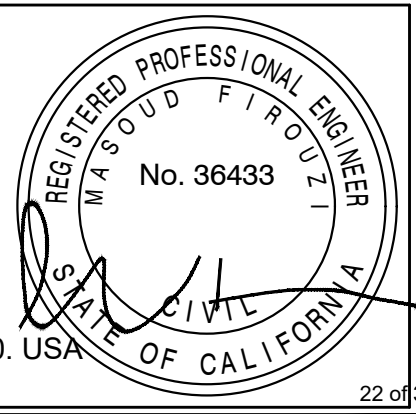
**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561  
**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

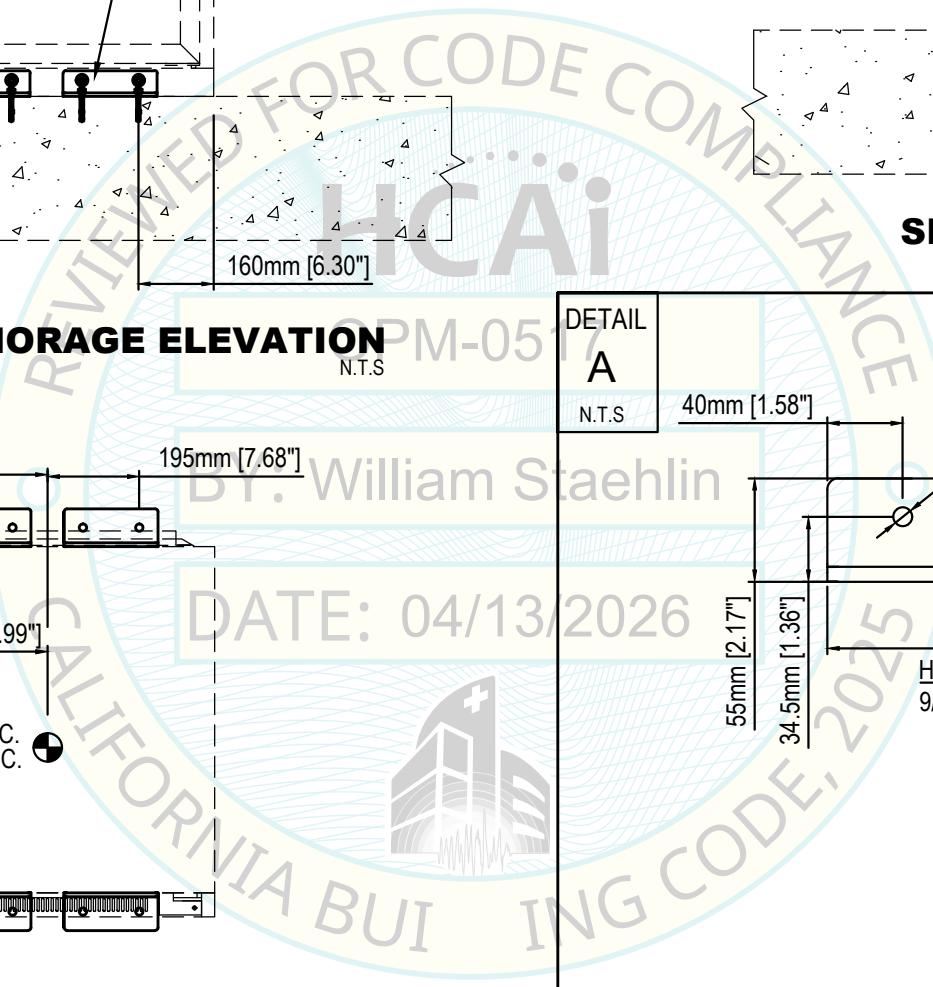
**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1 619 997 9997

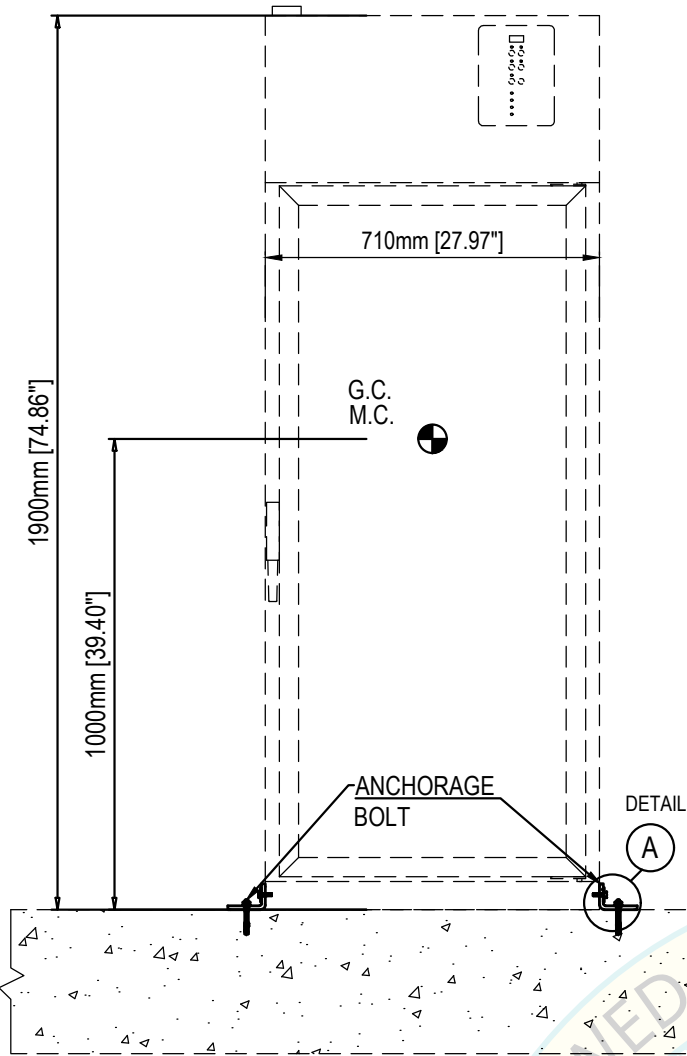


PAGE  
**20**  
OF 31  
DATE  
APRIL 12  
2026



STEELCO DRYING  
CABINET MODEL N° ED 100/1  
LATERAL SUPPORT

WEIGHT= 671 POUNDS  
G.C.= Gravity center  
M.C.= Mass center



**FRONT ANCHORAGE ELEVATION**  
N.T.S

**NOTE 1**  
THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:

- ELEVATED SLABS: 8" MIN
- SLAB-ON-GRADE:

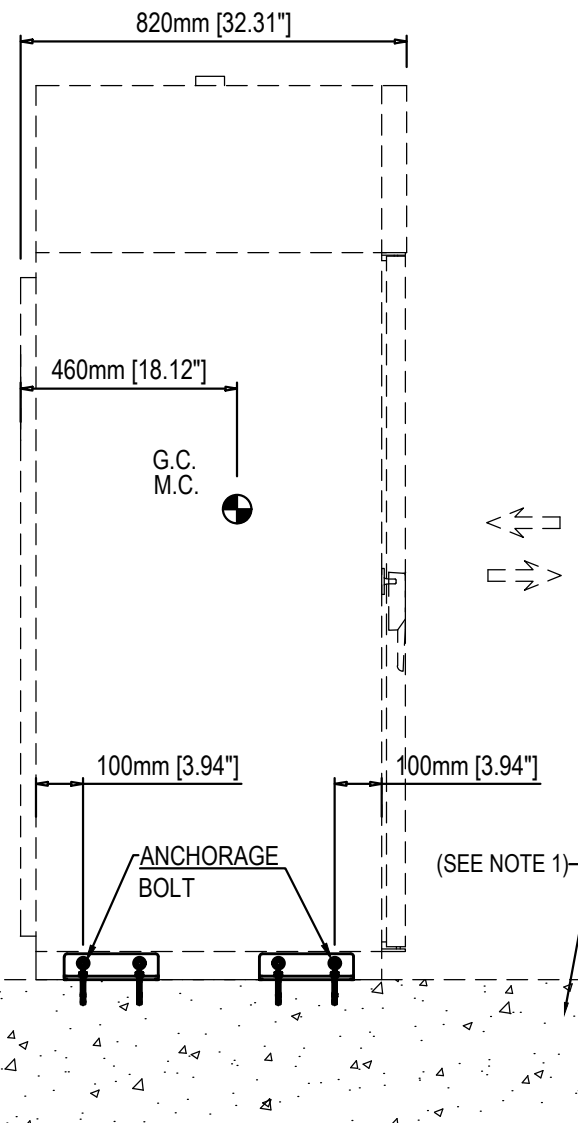
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

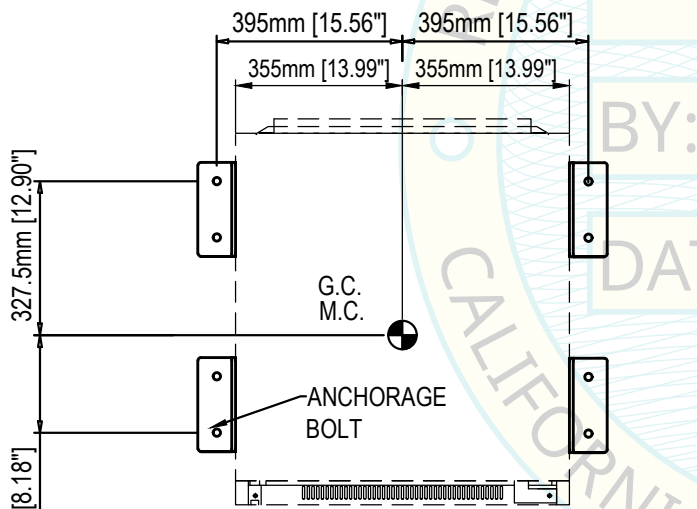
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**  
PROVIDE SHIMS (FILLERS) <math>\frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH w/PL. REFER TO AISC 360-16§ J5

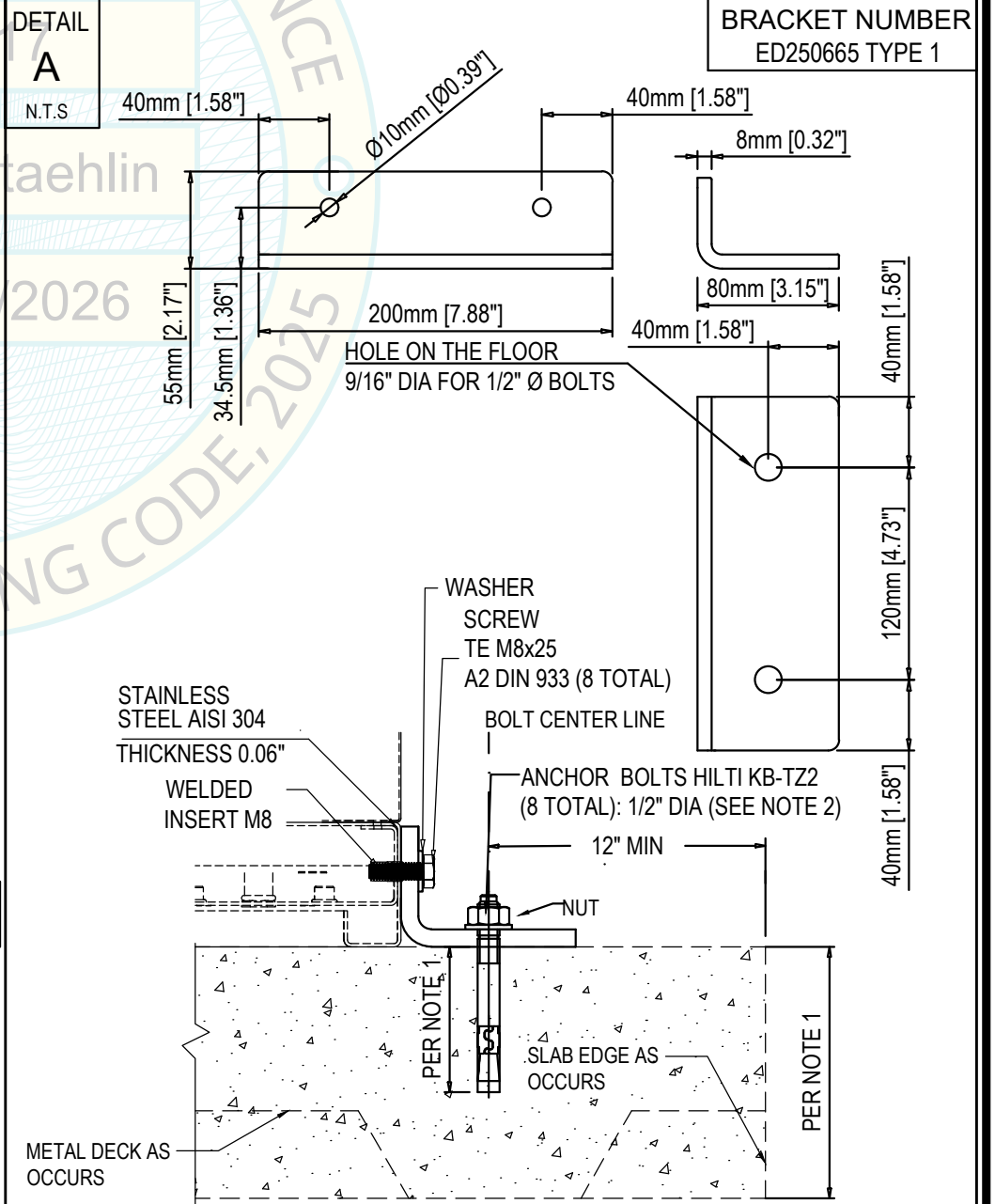
**NOTE 3**  
ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



**SIDE ANCHORAGE ELEVATION**  
N.T.S



**ANCHORAGE LAYOUT @ BASE**  
N.T.S



**Steelco**  
**ED 100/1 LATERAL SUPPORT**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

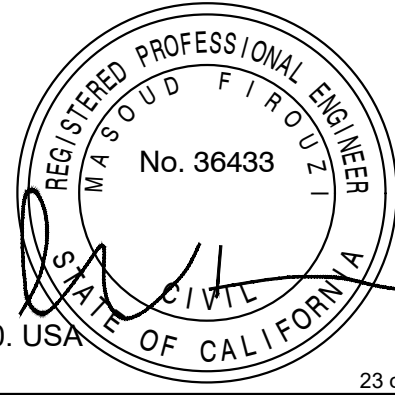
**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA



PAGE

21

OF 31

DATE

APRIL 12

2026

23 of 33

STEELCO DRYING  
CABINET MODEL N° ED 100/2  
FRONTAL SUPPORT

WEIGHT= 717 POUNDS  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:
  - ELEVATED SLABS: 8" MIN
  - SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

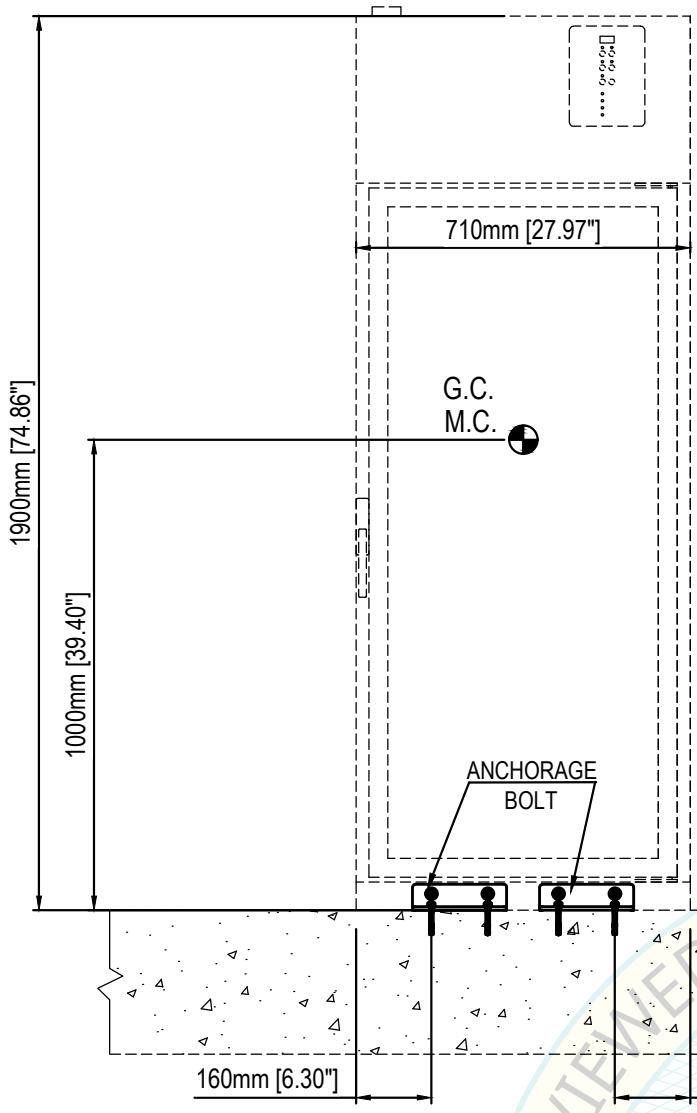
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**

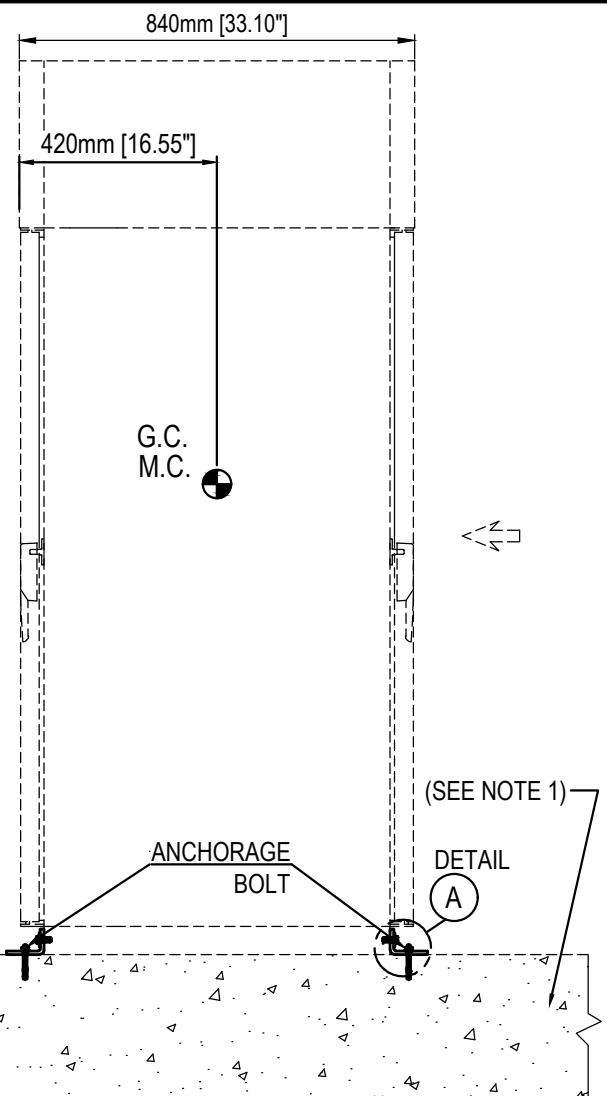
PROVIDE SHIMS (FILLERS) <math>\frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH w/PL. REFER TO AISC 360-16§ J5

**NOTE 3**

ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



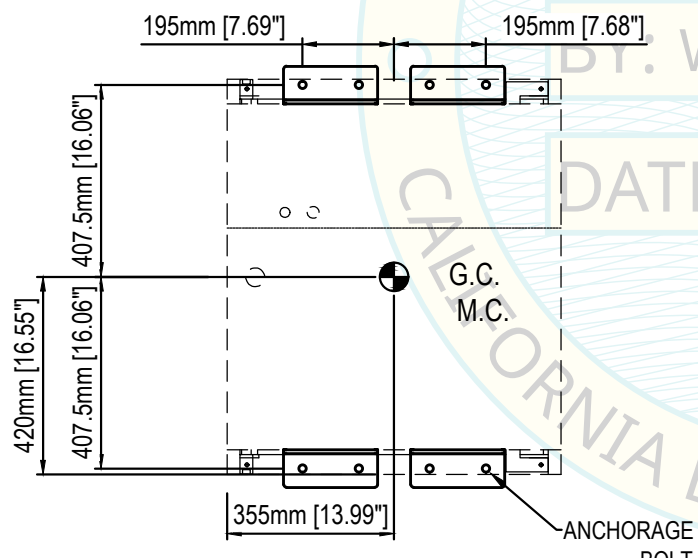
**FRONT ANCHORAGE ELEVATION**  
N.T.S.



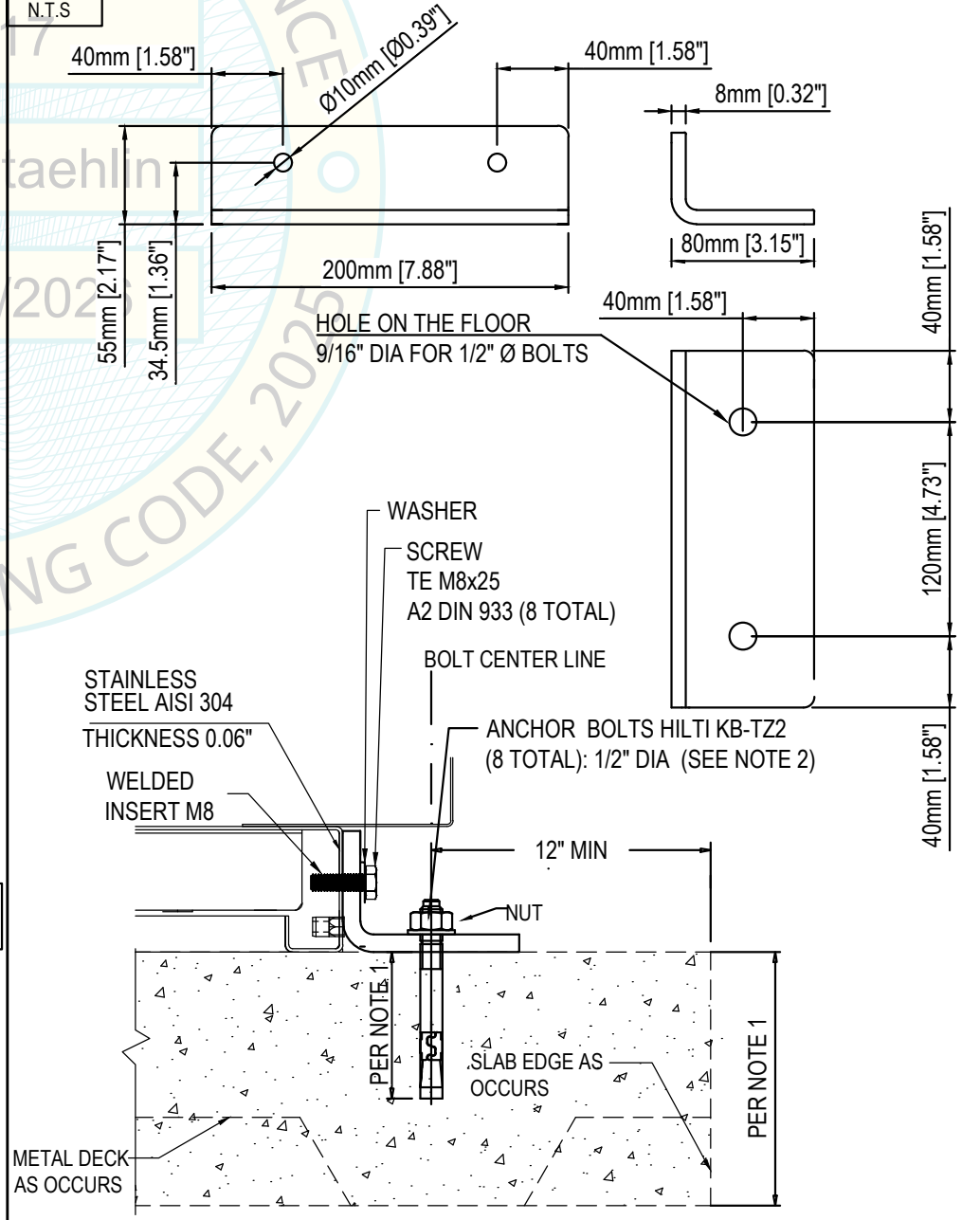
**SIDE ANCHORAGE ELEVATION**  
N.T.S.

DETAIL A  
N.T.S.

BRACKET NUMBER  
ED250665 TYPE 1



**ANCHORAGE LAYOUT @ BASE**  
N.T.S.



**Steelco**  
**ED 100/2 FRONTAL SUPPORT**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**  
DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561  
**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

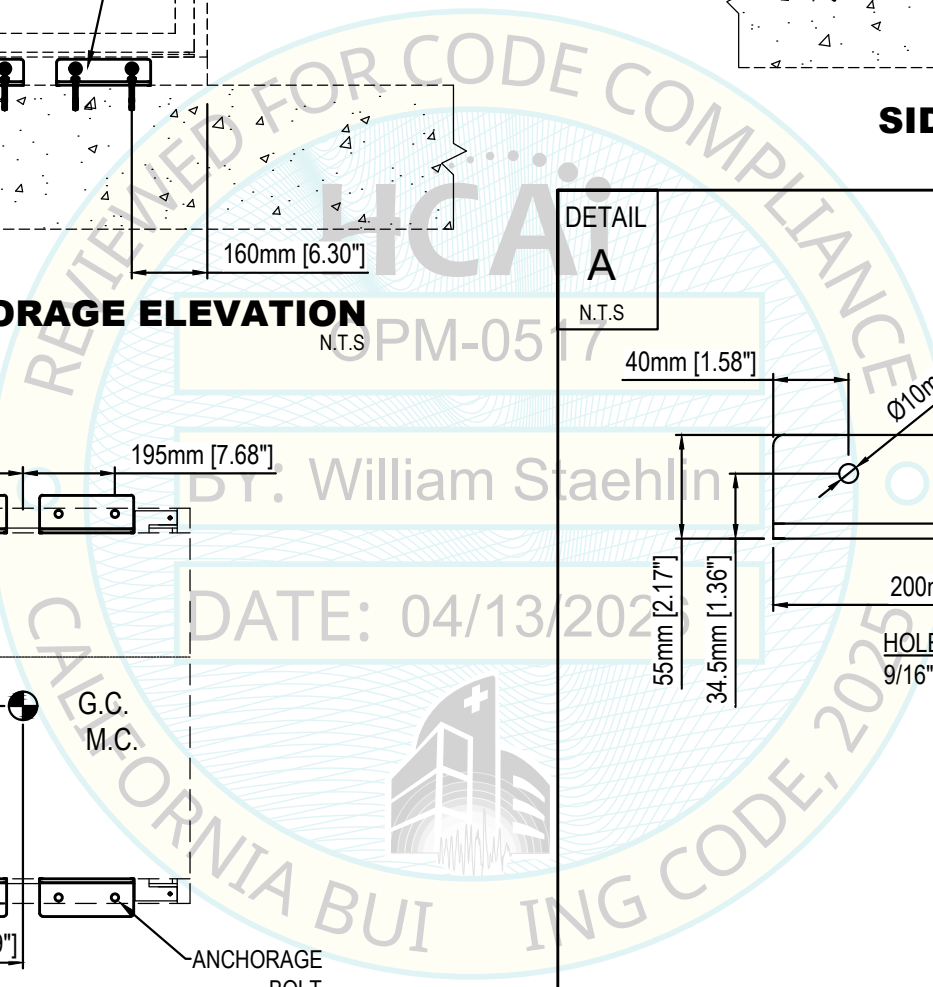
STRUCTURAL DESIGN BY:

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1 619 997 9997



PAGE  
**22**  
OF 31  
DATE  
APRIL 12  
2026



STEELCO DRYING  
CABINET MODEL N° ED 100/2  
LATERAL SUPPORT

WEIGHT= 717 POUNDS  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:
  - ELEVATED SLABS: 8" MIN
  - SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB  
OVER METAL DECK:

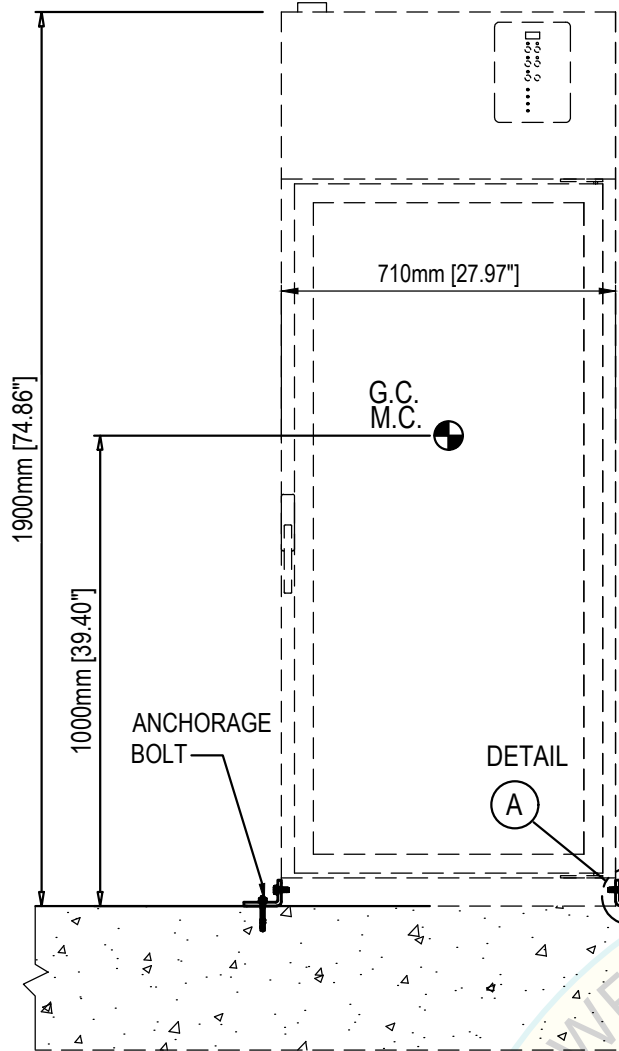
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW or SAND LW	6"

**NOTE 2**

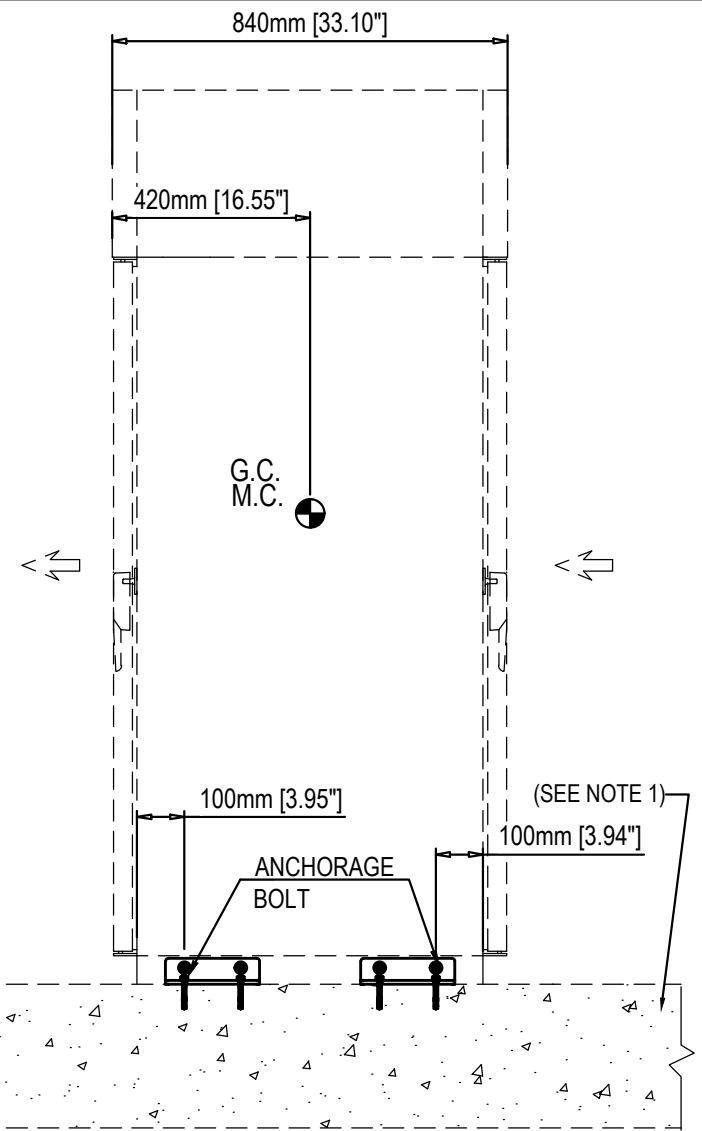
PROVIDE SHIMS (FILLERS) <math>\frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH W/PL. REFER TO AISC 360-16 § J5

**NOTE 3**

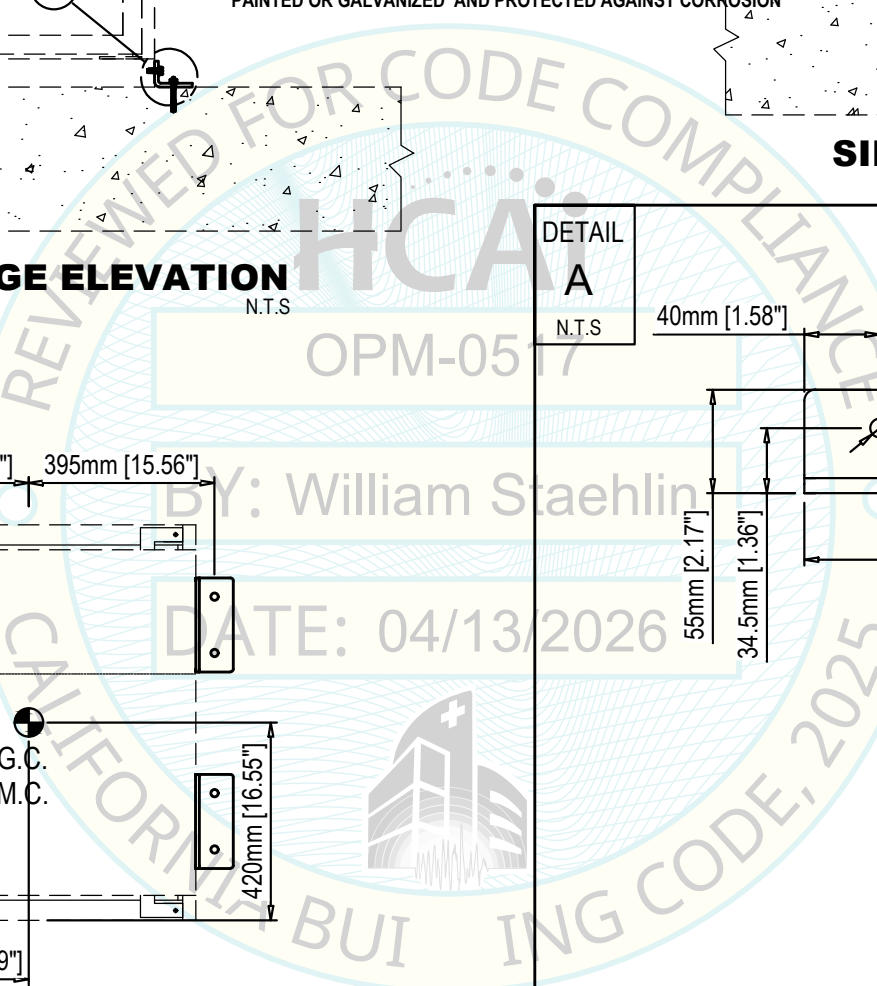
ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



**FRONT ANCHORAGE ELEVATION**  
N.T.S



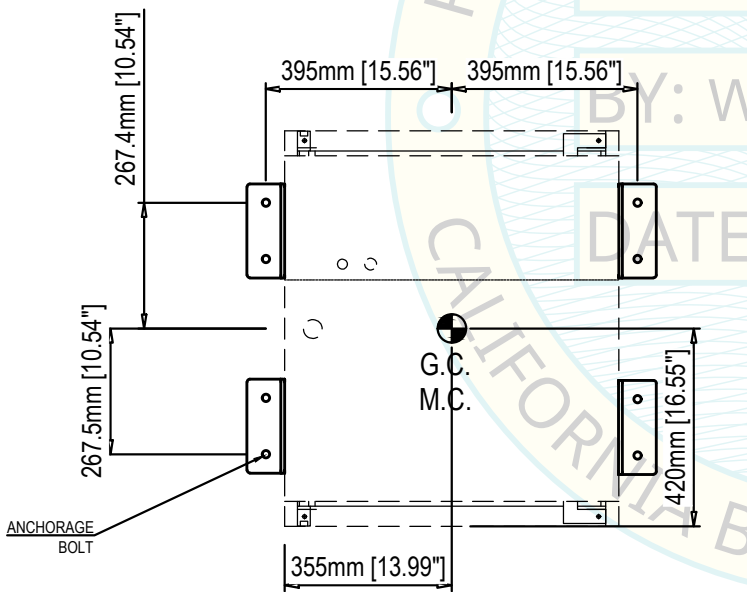
**SIDE ANCHORAGE ELEVATION**  
N.T.S



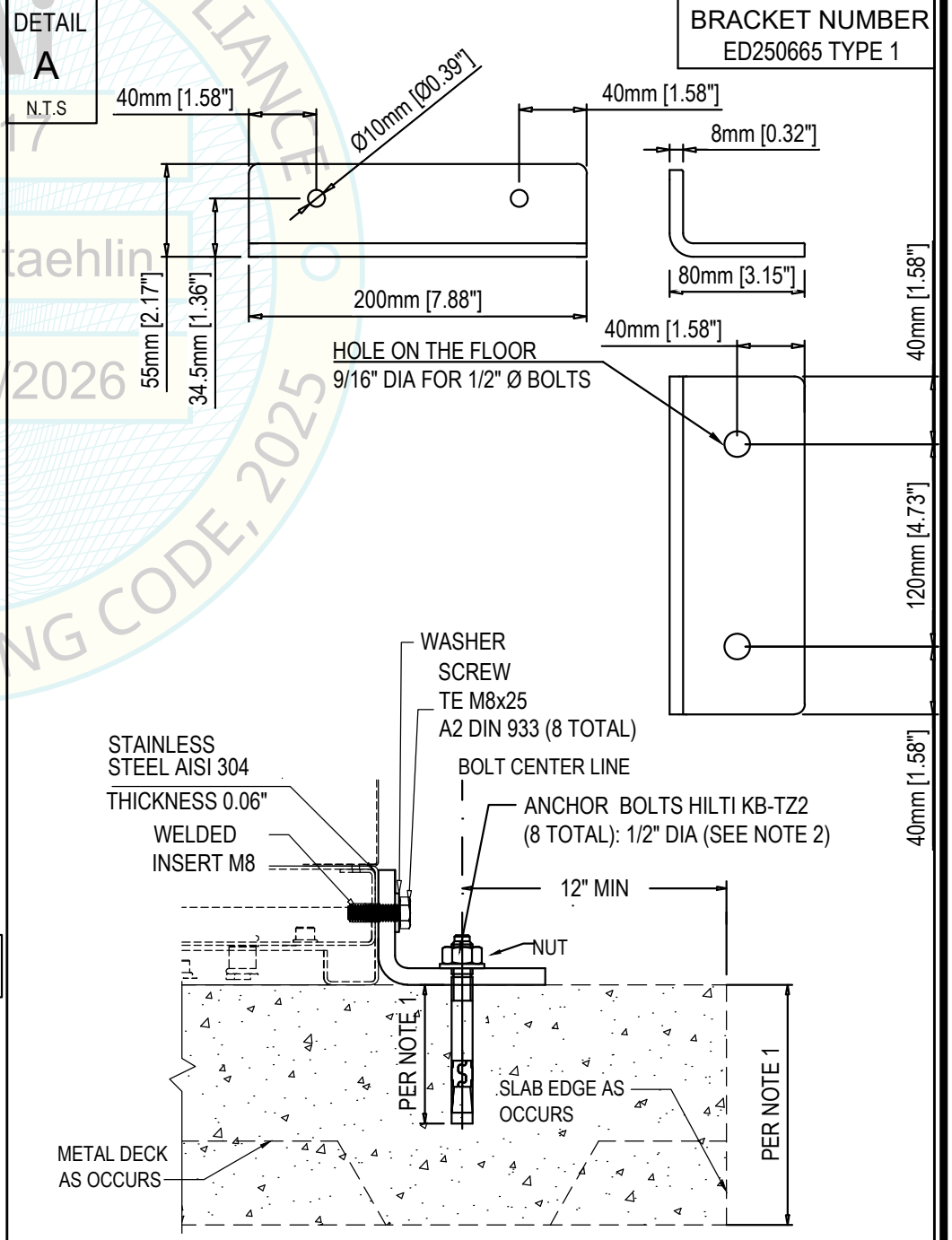
**DETAIL A**

N.T.S

BRACKET NUMBER  
ED250665 TYPE 1



**ANCHORAGE LAYOUT @ BASE**  
N.T.S



STAINLESS STEEL AISI 304  
THICKNESS 0.06"  
WELDED INSERT M8  
WASHER SCREW TE M8x25 A2 DIN 933 (8 TOTAL)  
BOLT CENTER LINE  
ANCHOR BOLTS HILTI KB-TZ2 (8 TOTAL): 1/2" DIA (SEE NOTE 2)  
NUT

STRUCTURAL DESIGN BY:

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1-619-997-9997



PAGE

23

OF 31

DATE

APRIL 12

2026

**Steelco**  
**ED 100/2 LATERAL SUPPORT**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

STEELCO DRYING  
CABINET MODEL N° ID 300/1  
FRONTAL SUPPORT

WEIGHT= 615 POUNDS  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:
  - ELEVATED SLABS: 8" MIN
  - SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

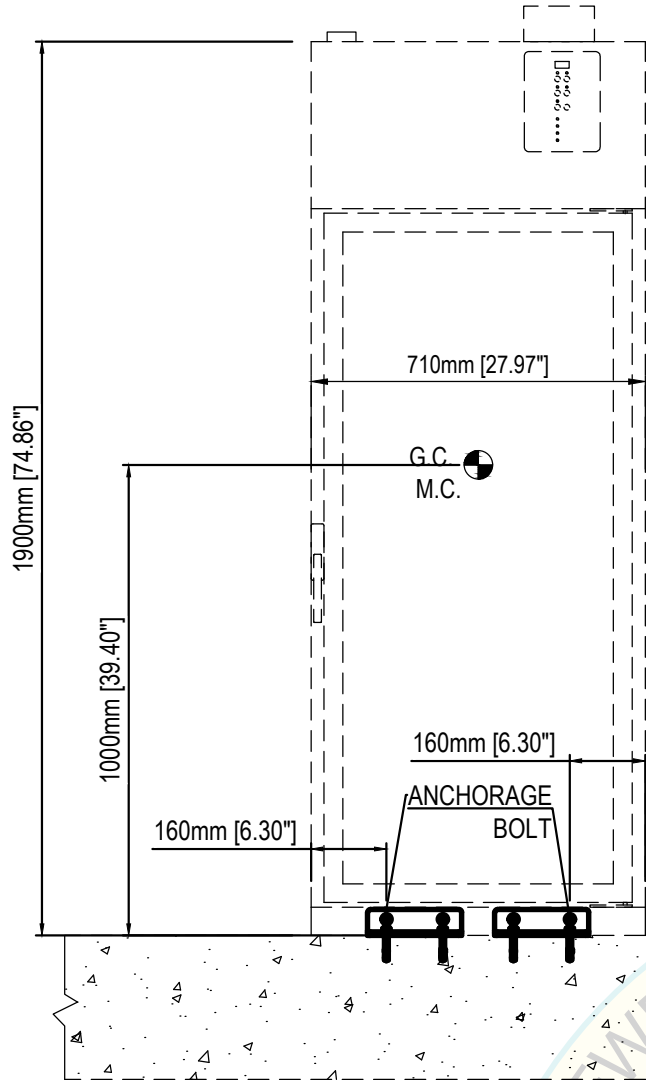
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**

PROVIDE SHIMS (FILLERS) < 1/4" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH W/PL. REFER TO AISC 360-16 § J5

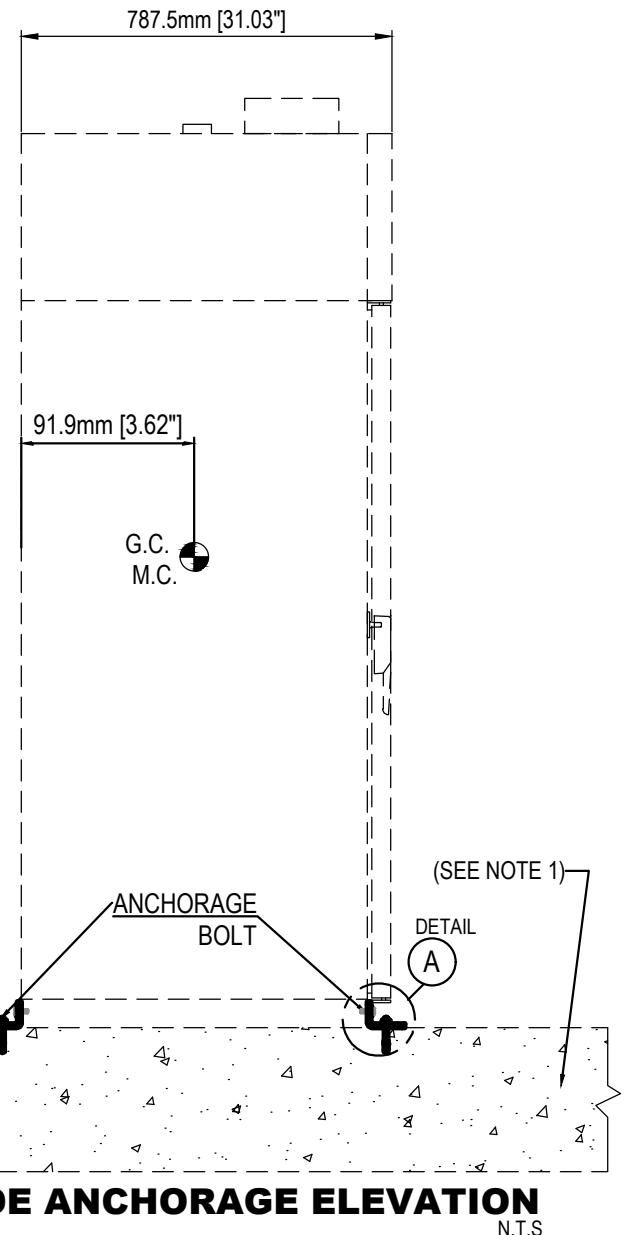
**NOTE 3**

ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



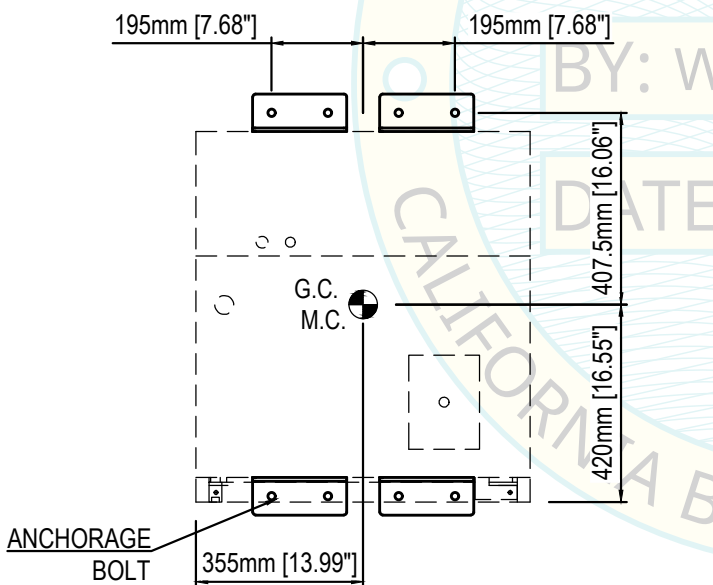
**FRONT ANCHORAGE ELEVATION**

N.T.S



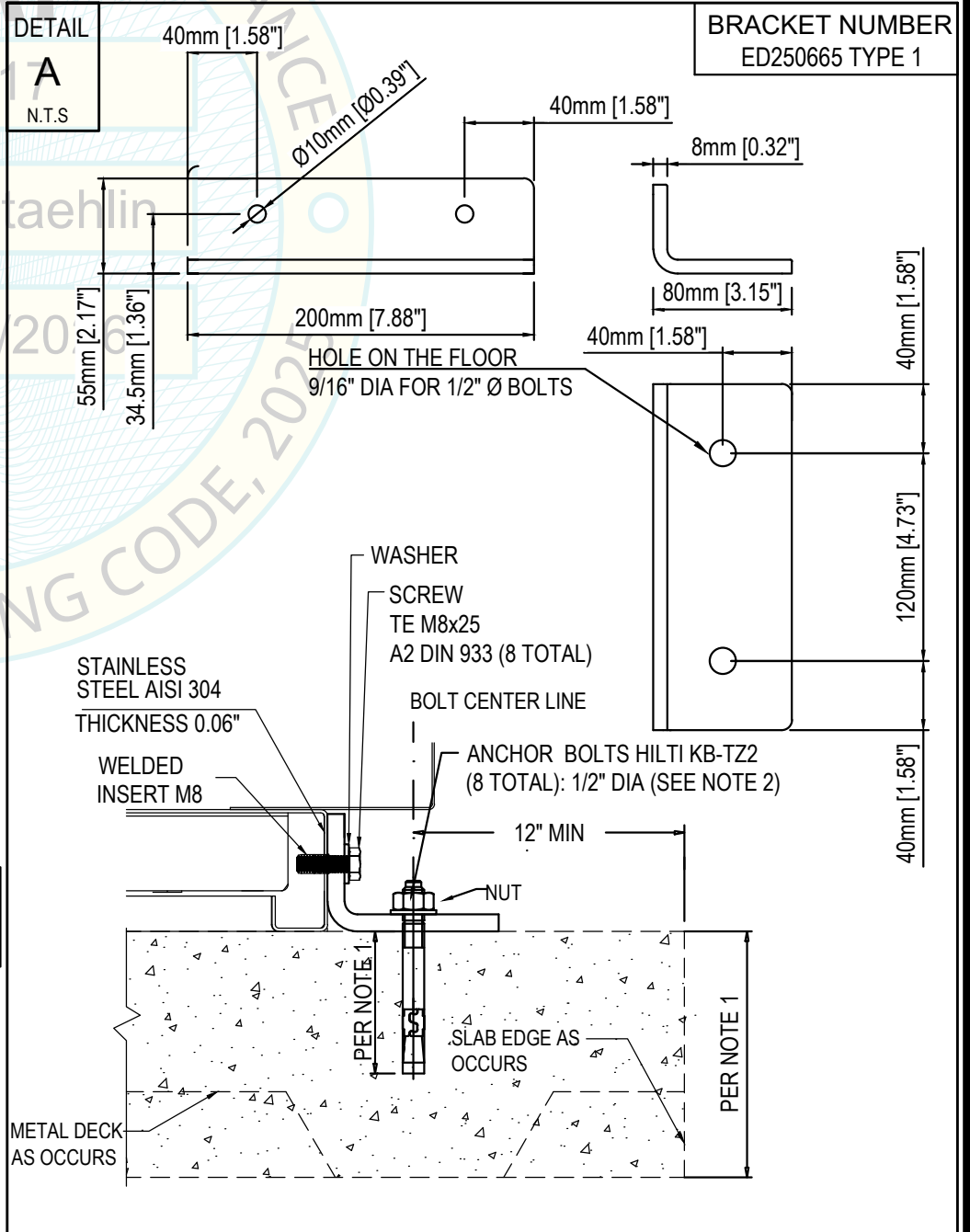
**SIDE ANCHORAGE ELEVATION**

N.T.S



**ANCHORAGE LAYOUT @ BASE**

N.T.S



**BRACKET NUMBER**  
ED250665 TYPE 1

DETAIL  
**A**

N.T.S



**N° ID 300/1** FRONTAL SUPPORT

NOTE: SEE PAGES 1 to 7 FOR  
GENERAL NOTES AND  
STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.



© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**

VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**

**INSTRUMENT WHASER DESINFECTOR**

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

**STRUCTURAL DESIGN BY:**

**FIROUZI  
CONSULTING  
ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA

+1-619-997-9997



PAGE

**24**

OF 31

DATE

APRIL 12

2026

26 of 33

OPM-0517: Reviewed for Code Compliance by William Staehlin

STEELCO DRYING  
CABINET MODEL N° ID 300/1  
LATERAL SUPPORT

WEIGHT= 615 POUNDS  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:
  - ELEVATED SLABS: 8" MIN
  - SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

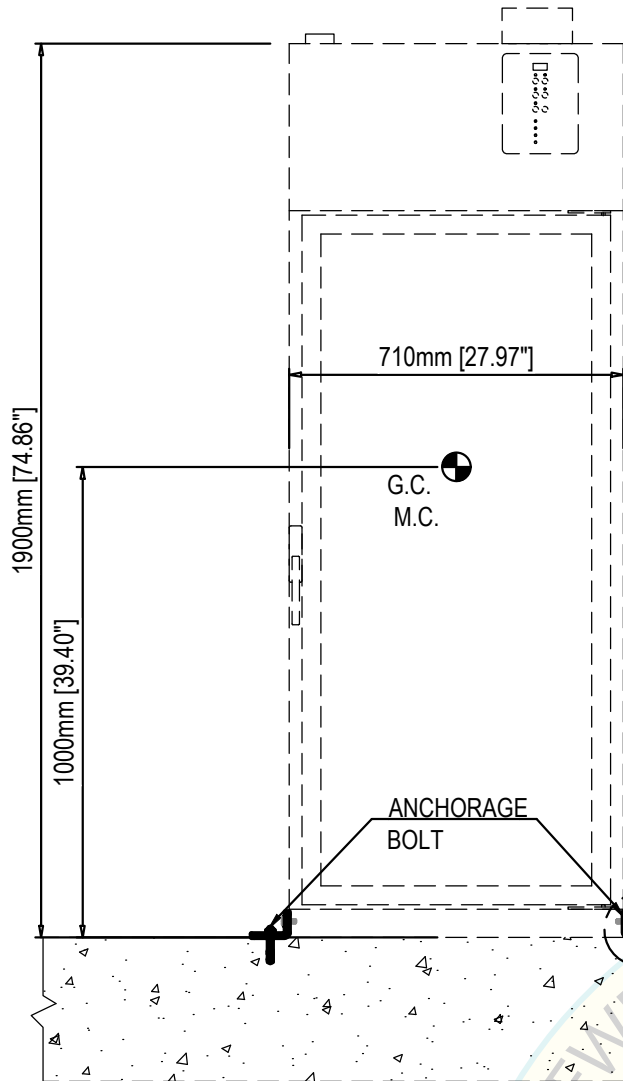
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**

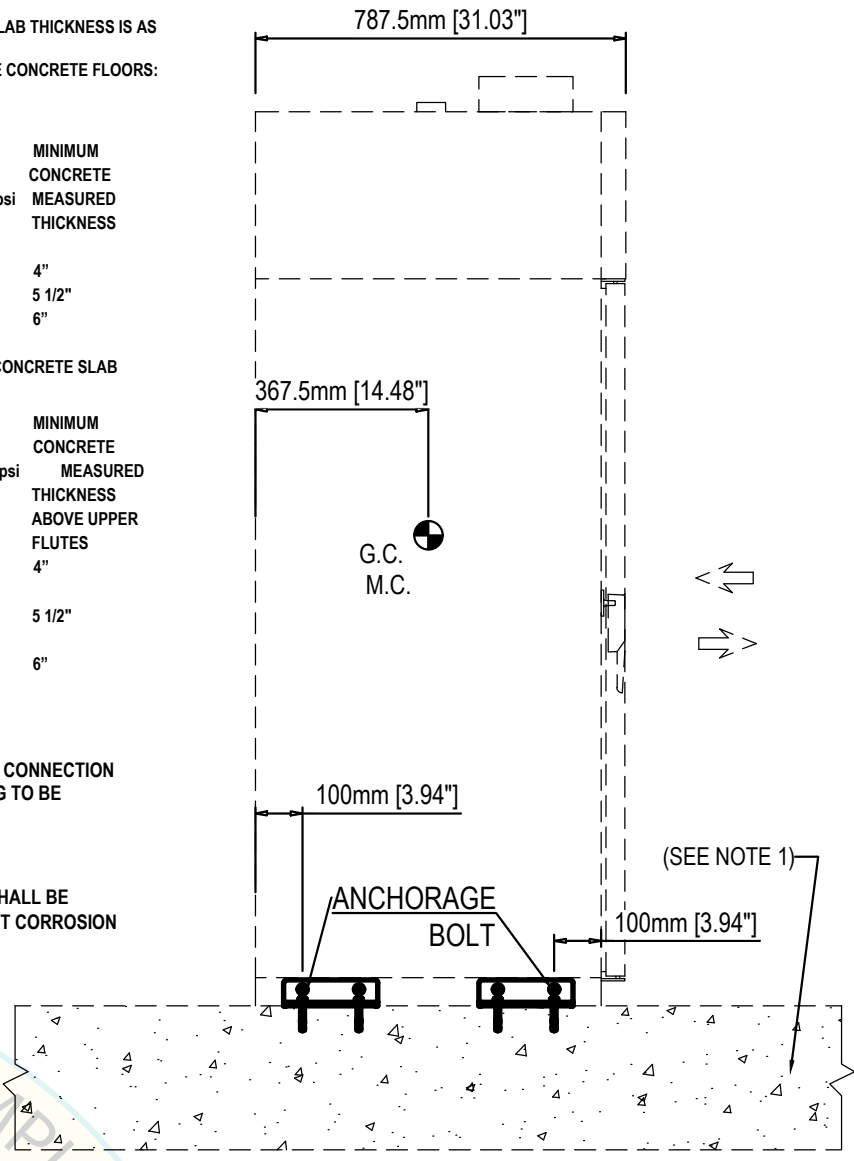
PROVIDE SHIMS (FILLERS) <math>\frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH w/PL. REFER TO AISC 360-16§ J5

**NOTE 3**

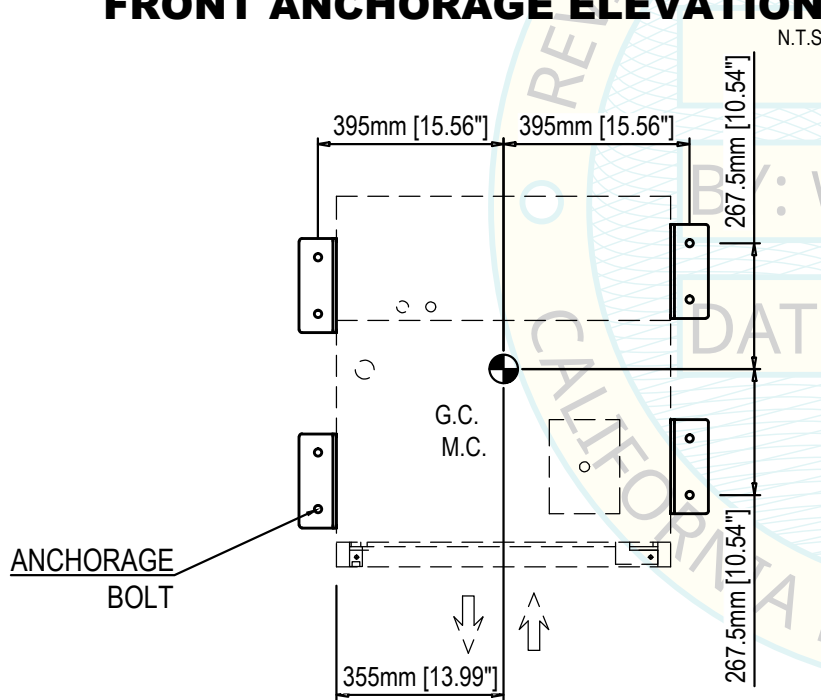
ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



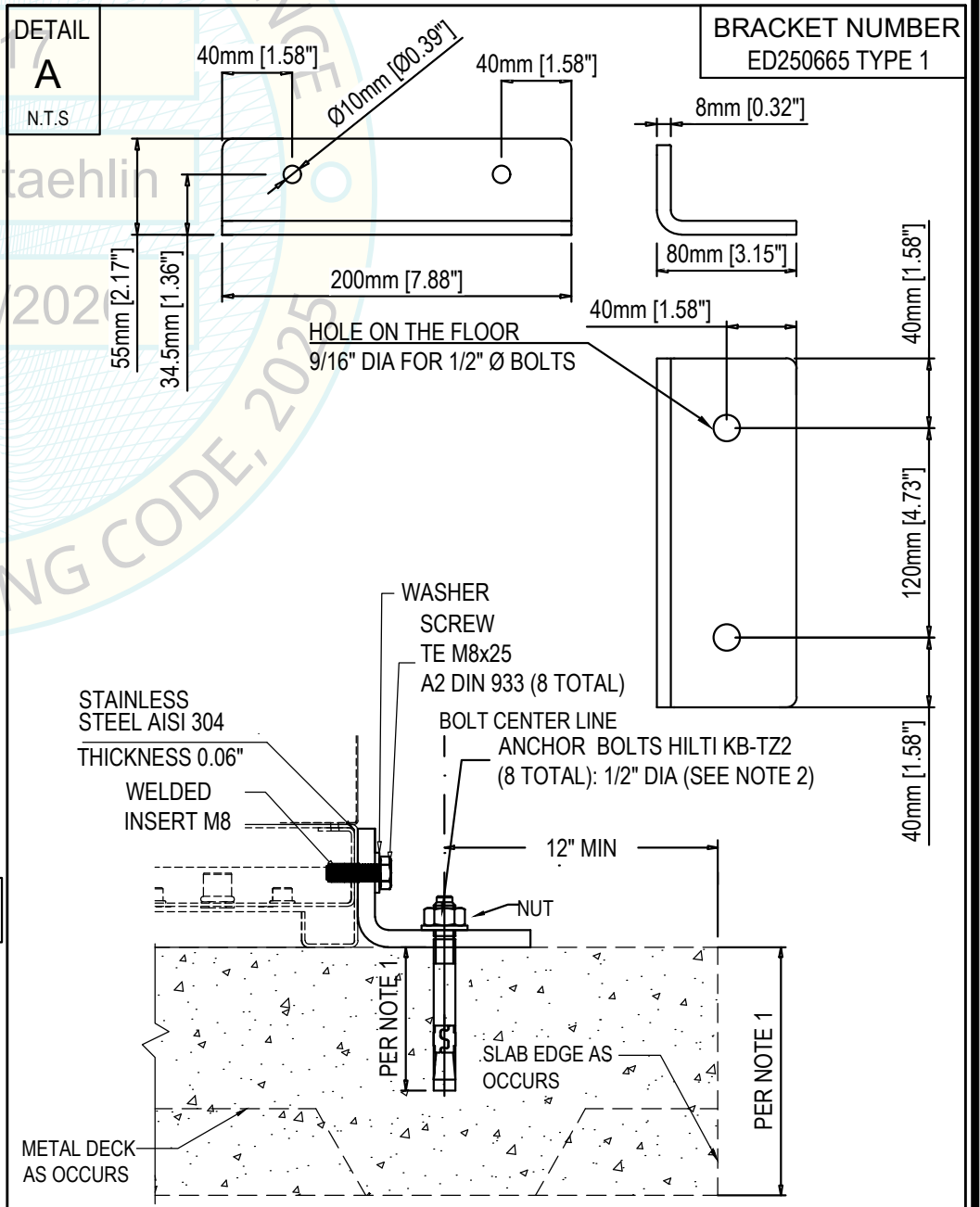
**FRONT ANCHORAGE ELEVATION**



**SIDE ANCHORAGE ELEVATION**



**ANCHORAGE LAYOUT @ BASE**



**Steelco**  
**ID 300/1 LATERAL SUPPORT**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**  
DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

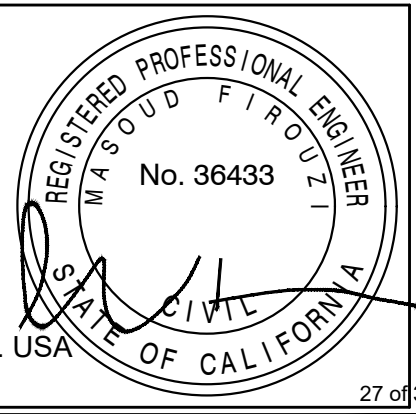
**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561  
**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

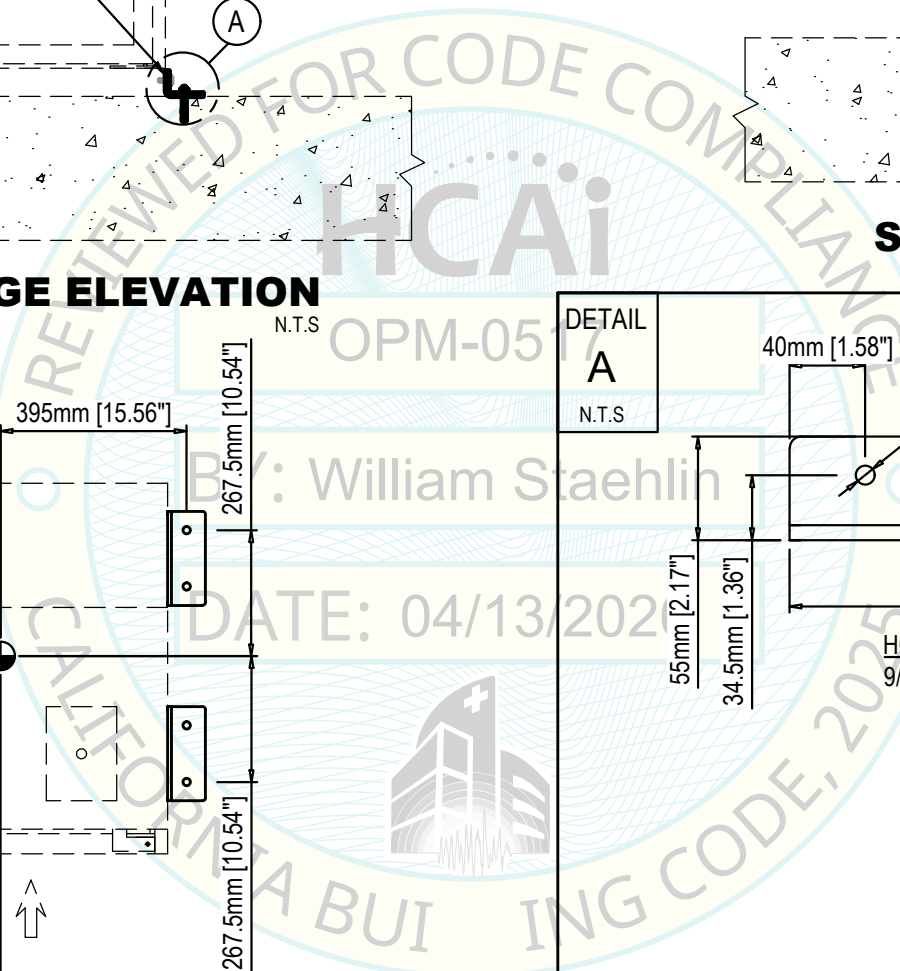
**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1-619-997-9997



PAGE  
**25**  
OF 31  
DATE  
APRIL 12  
2026



STEELCO DRYING  
CABINET MODEL N° ID 300/2  
FRONTAL SUPPORT

WEIGHT= 669 POUNDS  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:
  - ELEVATED SLABS: 8" MIN
  - SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

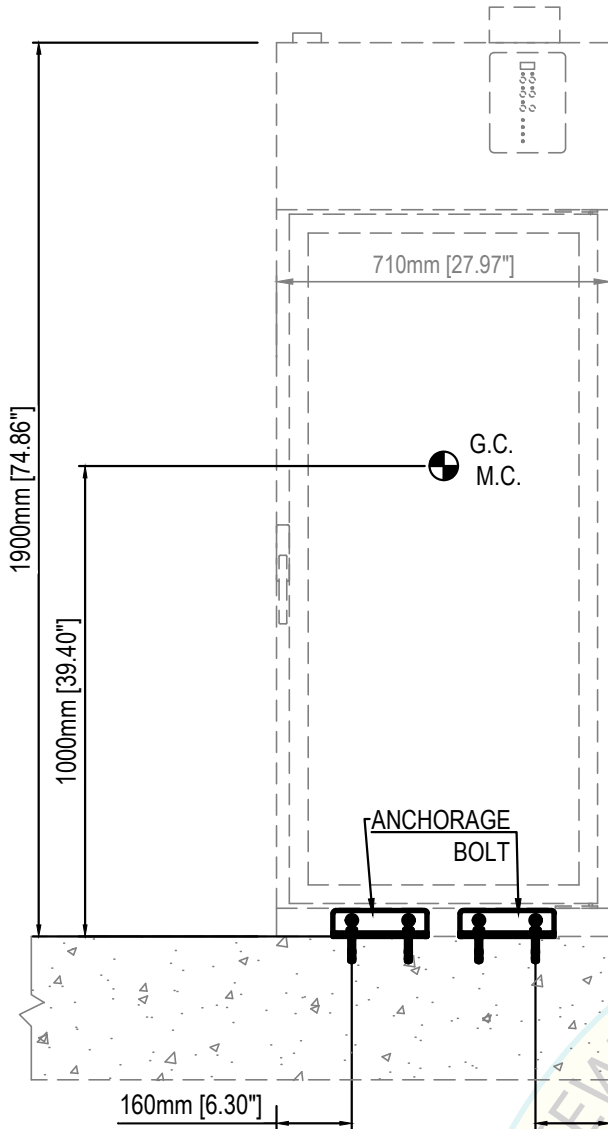
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**

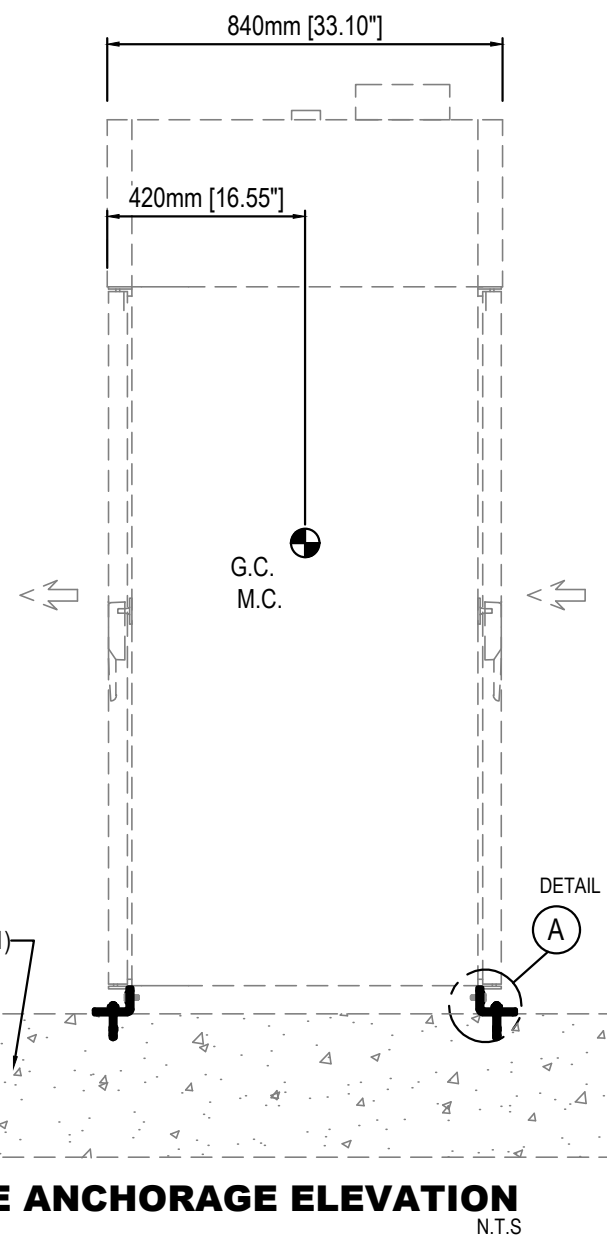
PROVIDE SHIMS (FILLERS) <math>\frac{1}{8}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH w/PL. REFER TO AISC 360-16 § J5

**NOTE 3**

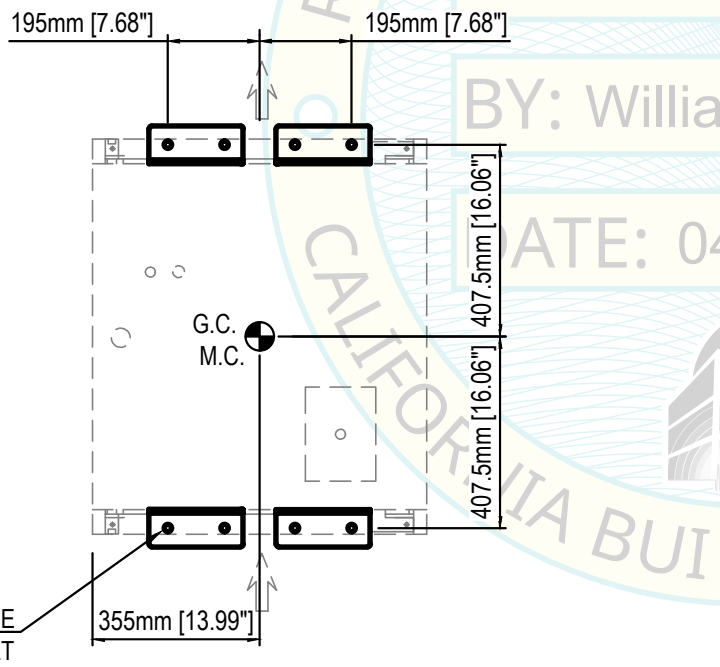
ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE (SEE NOTE 1) PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



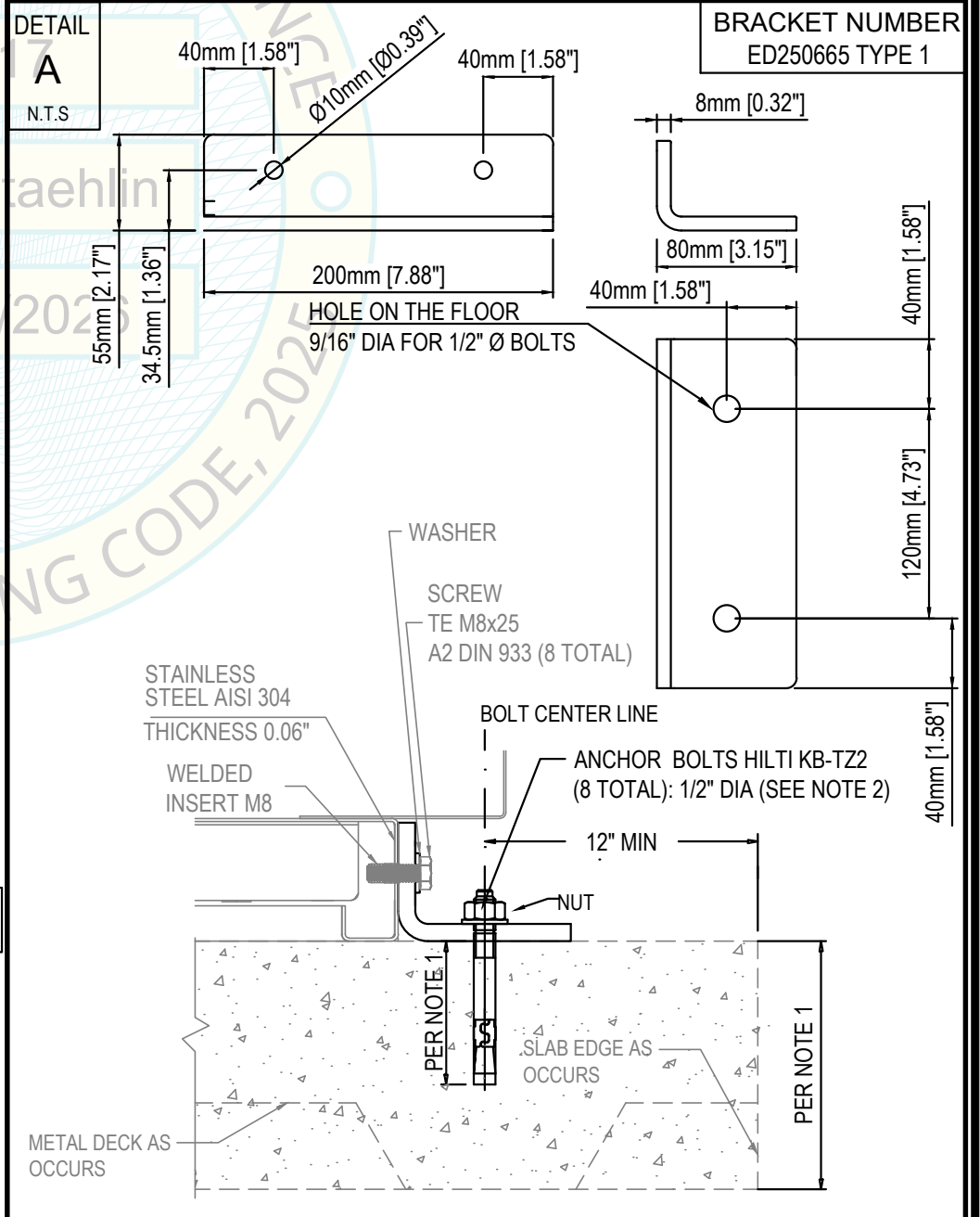
**FRONT ANCHORAGE ELEVATION**  
N.T.S.



**SIDE ANCHORAGE ELEVATION**  
N.T.S.



**ANCHORAGE LAYOUT @ BASE**  
N.T.S.



STRUCTURAL DESIGN BY:

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA



PAGE  
**26**  
OF 31  
DATE  
APRIL 12  
**2026**

**Steelco**  
**ID 300/2** FRONTAL SUPPORT

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**  
DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.



**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
INSTRUMENT WHASER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

STEELCO DRYING  
CABINET MODEL N° ID 300/2  
LATERAL SUPPORT

WEIGHT= 669 POUNDS  
G.C.= Gravity center  
M.C.= Mass center

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:

- ELEVATED SLABS: 8" MIN
- SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB  
OVER METAL DECK:

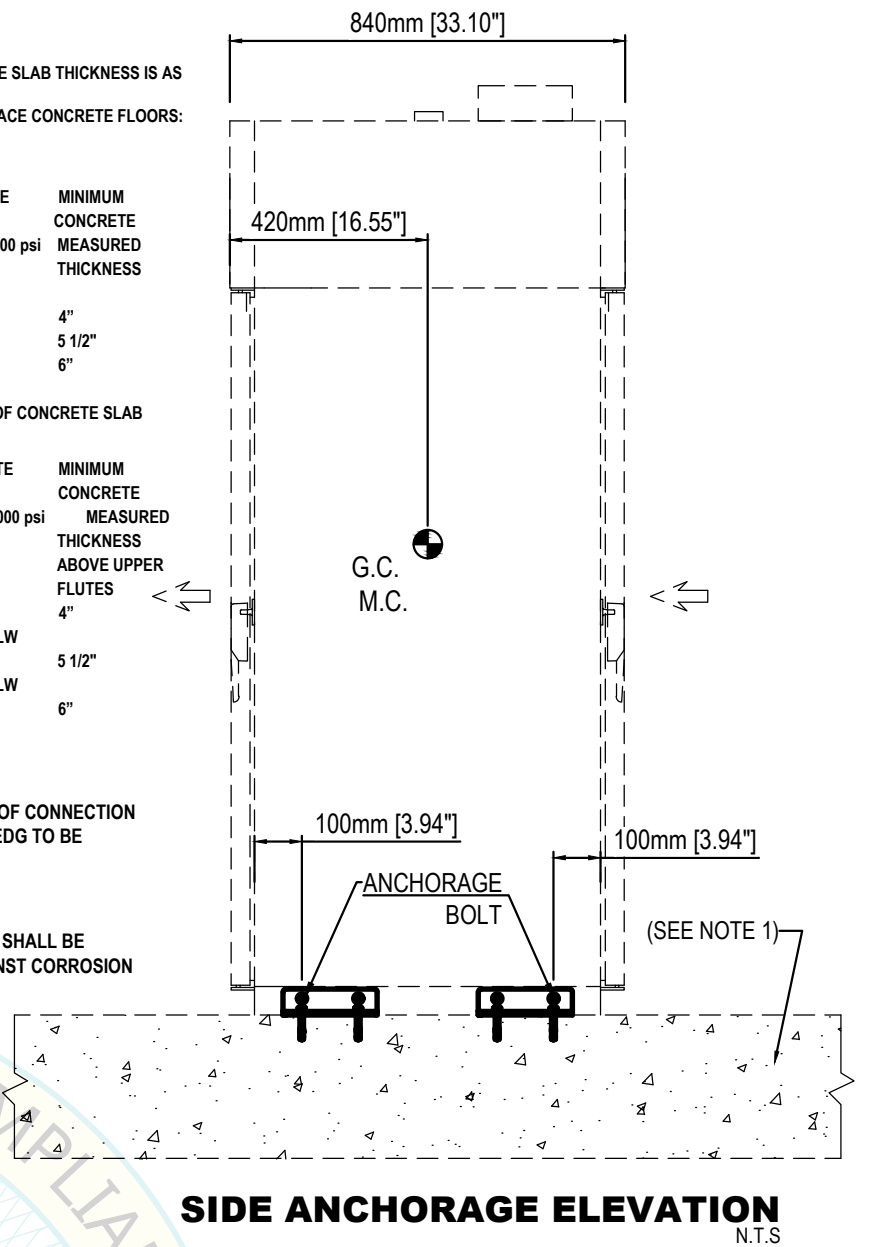
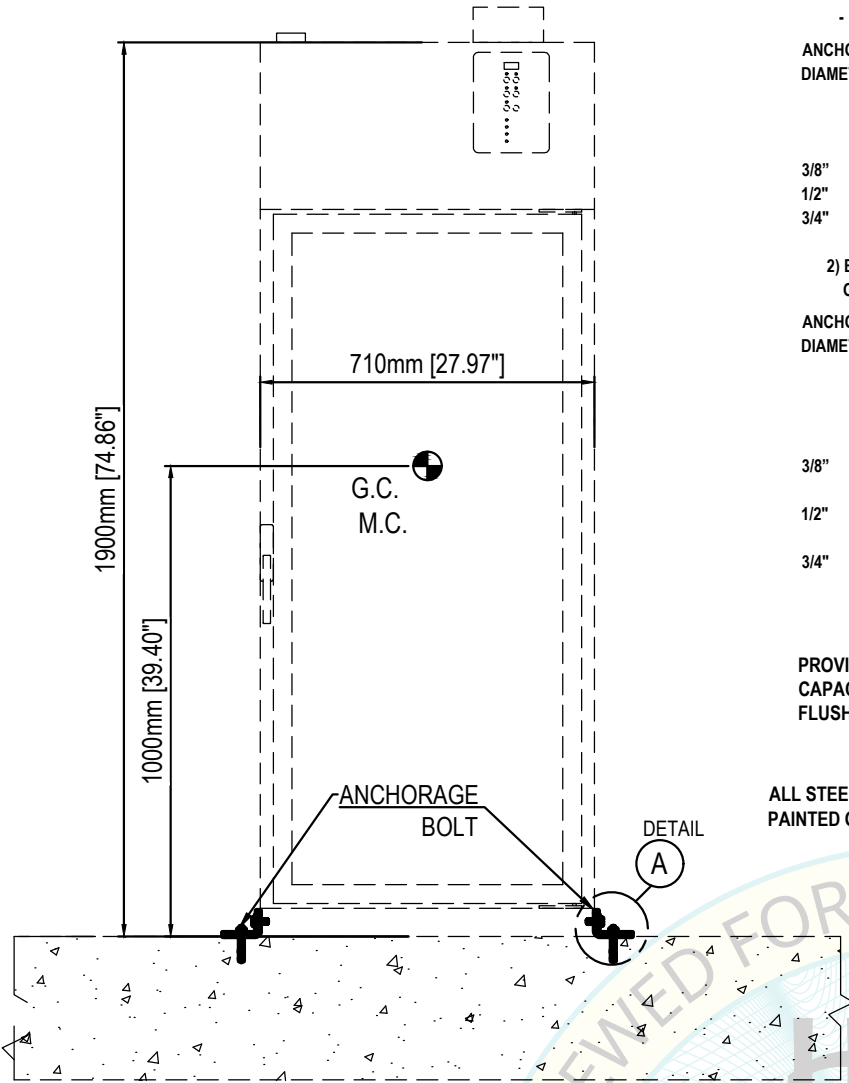
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN Fc=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW or SAND LW	6"

**NOTE 2**

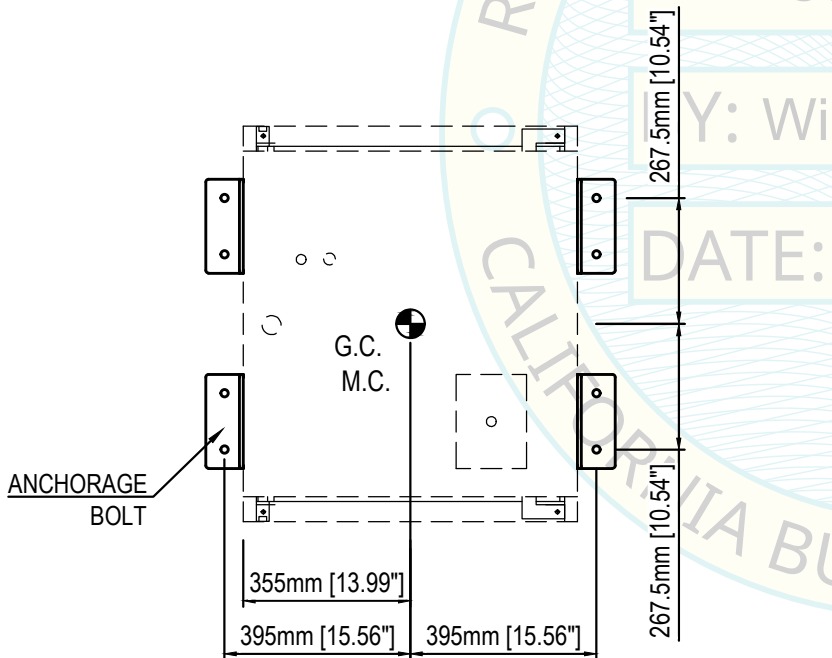
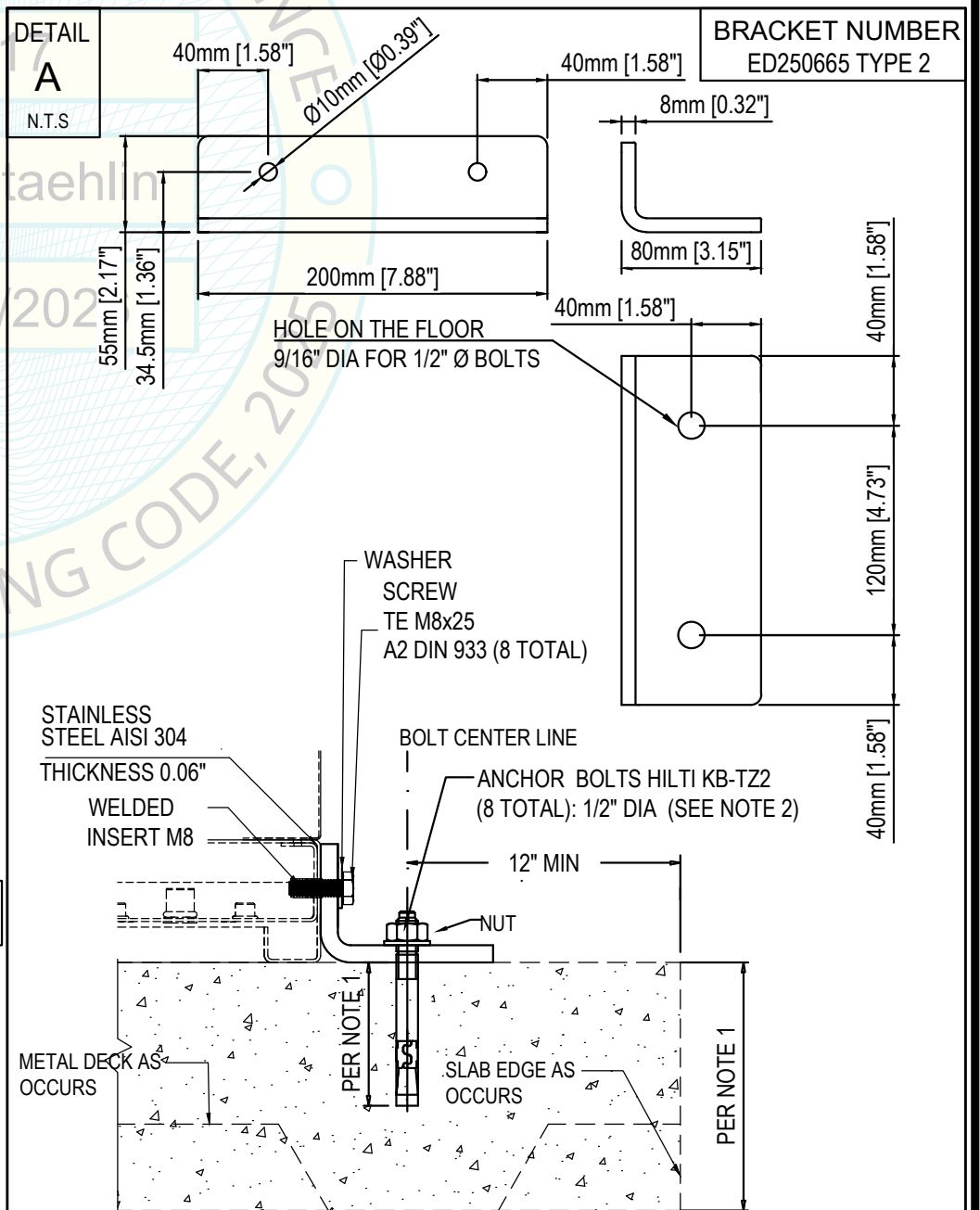
PROVIDE SHIMS (FILLERS) <math>\leq \frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH w/PL. REFER TO AISC 360-16§ J5

**NOTE 3**

ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



**FRONT ANCHORAGE ELEVATION**



**ANCHORAGE LAYOUT @ BASE**

**Steelco**  
**ID 300/2 LATERAL SUPPORT**

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**  
DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY,  
PH.+39 04237561

**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A

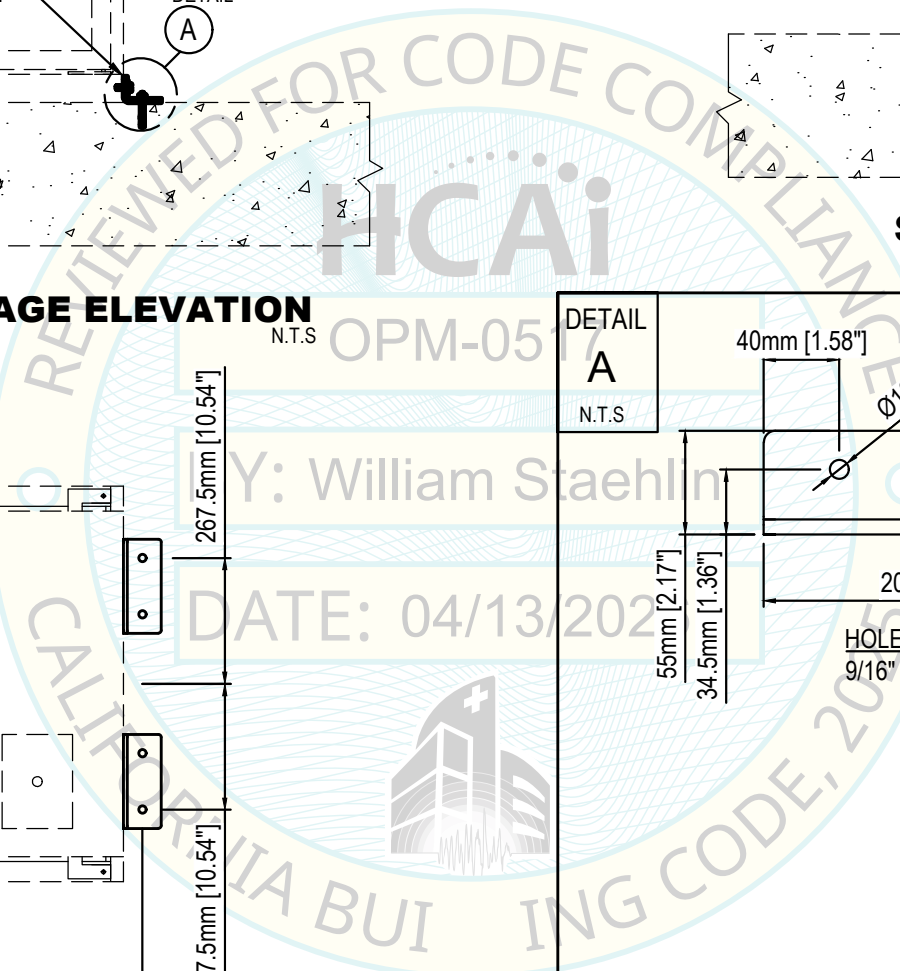
**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1-619-997-9997

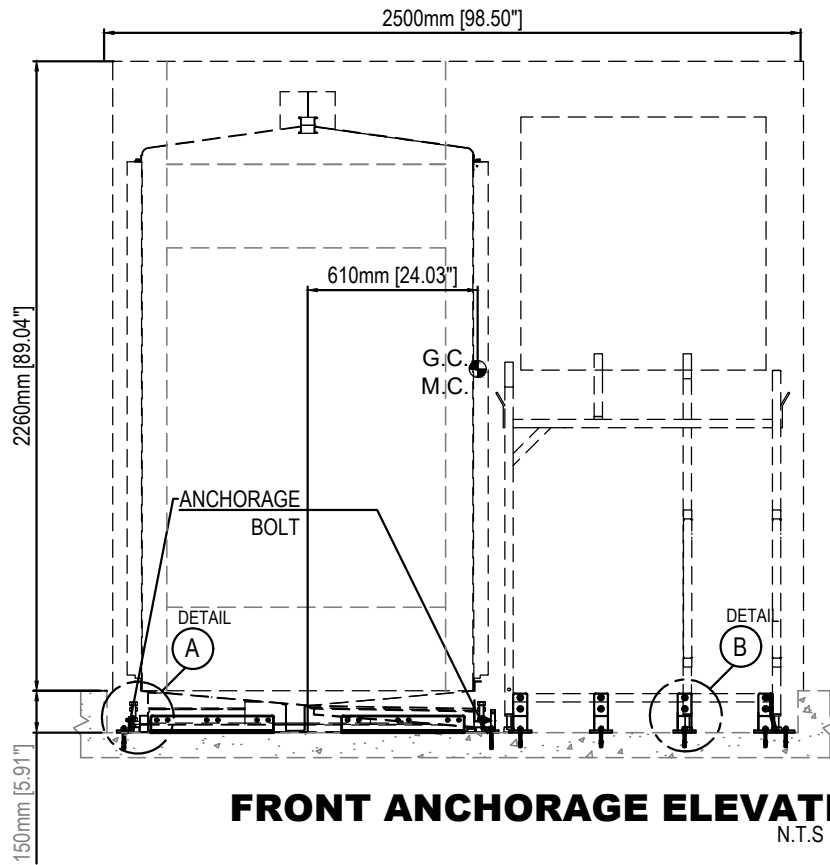
REGISTERED PROFESSIONAL ENGINEER  
M ASOUD FIROUZI  
No. 36433  
STATE OF CALIFORNIA

PAGE  
**27**  
OF 31  
DATE  
APRIL 12  
2026

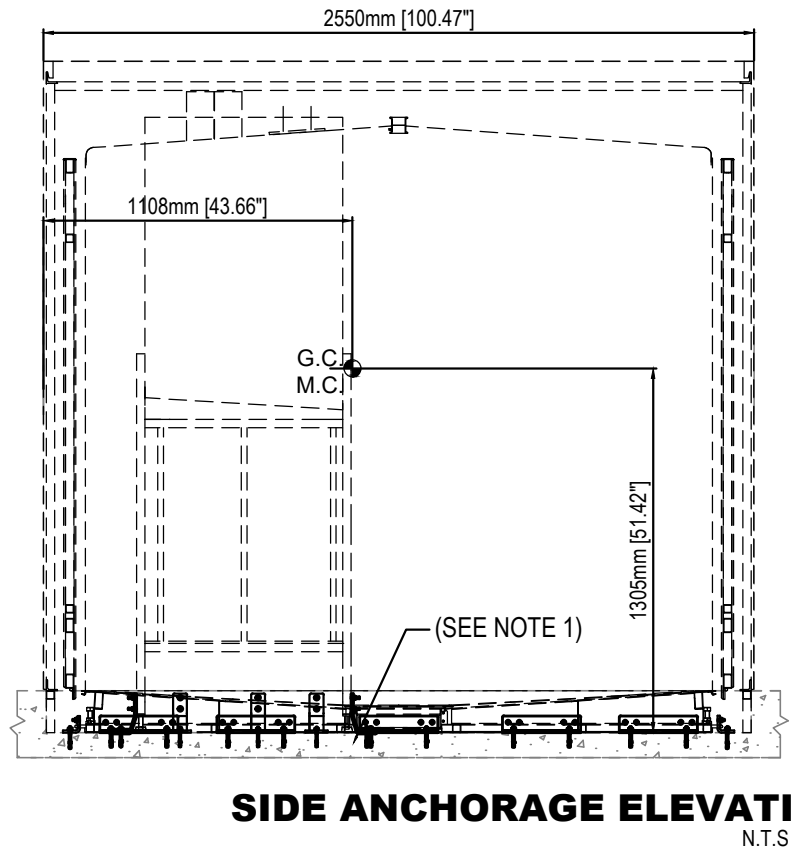


STEELCO WASHING AND  
DISINFECTION CABINS  
MODEL N° LC 80/2

WEIGHT= 6426 POUNDS  
G.C.= Gravity center  
M.C.= Mass center



**FRONT ANCHORAGE ELEVATION**  
N.T.S.



**SIDE ANCHORAGE ELEVATION**  
N.T.S.

**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:

- 1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:
  - ELEVATED SLABS: 8" MIN
  - SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

- 2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB  
OVER METAL DECK:

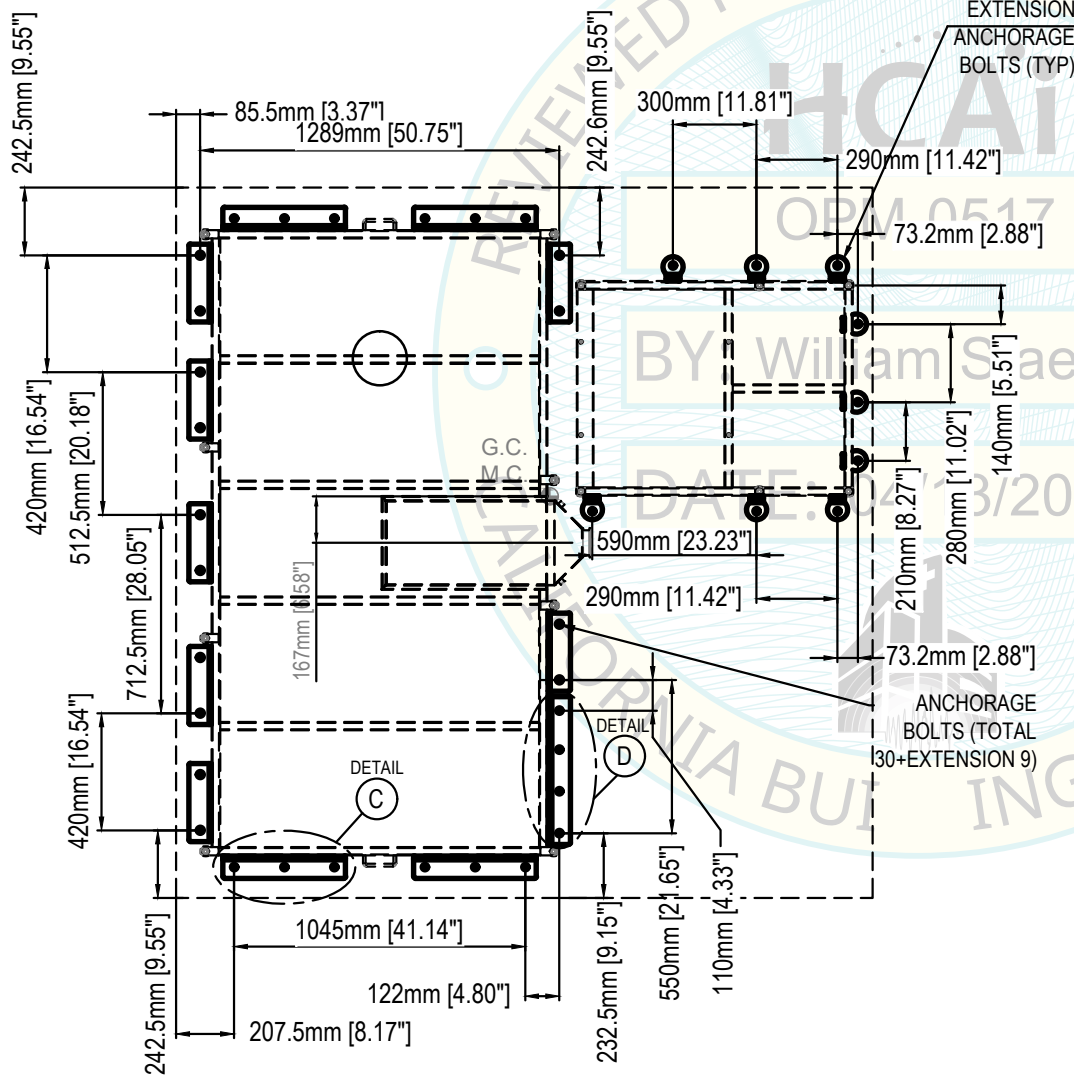
ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**

PROVIDE SHIMS (FILLERS) <math>\frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH w/PL. REFER TO AISC 360-16 § J5

**NOTE 3**

ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION



**ANCHORAGE LAYOUT @ BASE**  
N.T.S.

**Steelco**  
**LC 80/2**  
1 OF 2

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV),  
ITALY, PH.+39 04237561

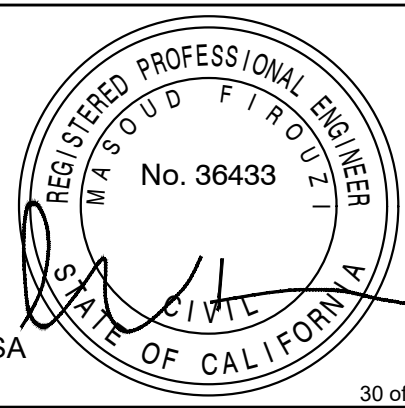
**OPM 0517**  
INSTRUMENT WASHER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A.

**STRUCTURAL DESIGN BY:**

**FIROUZI  
CONSULTING  
ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1-619-997-9997



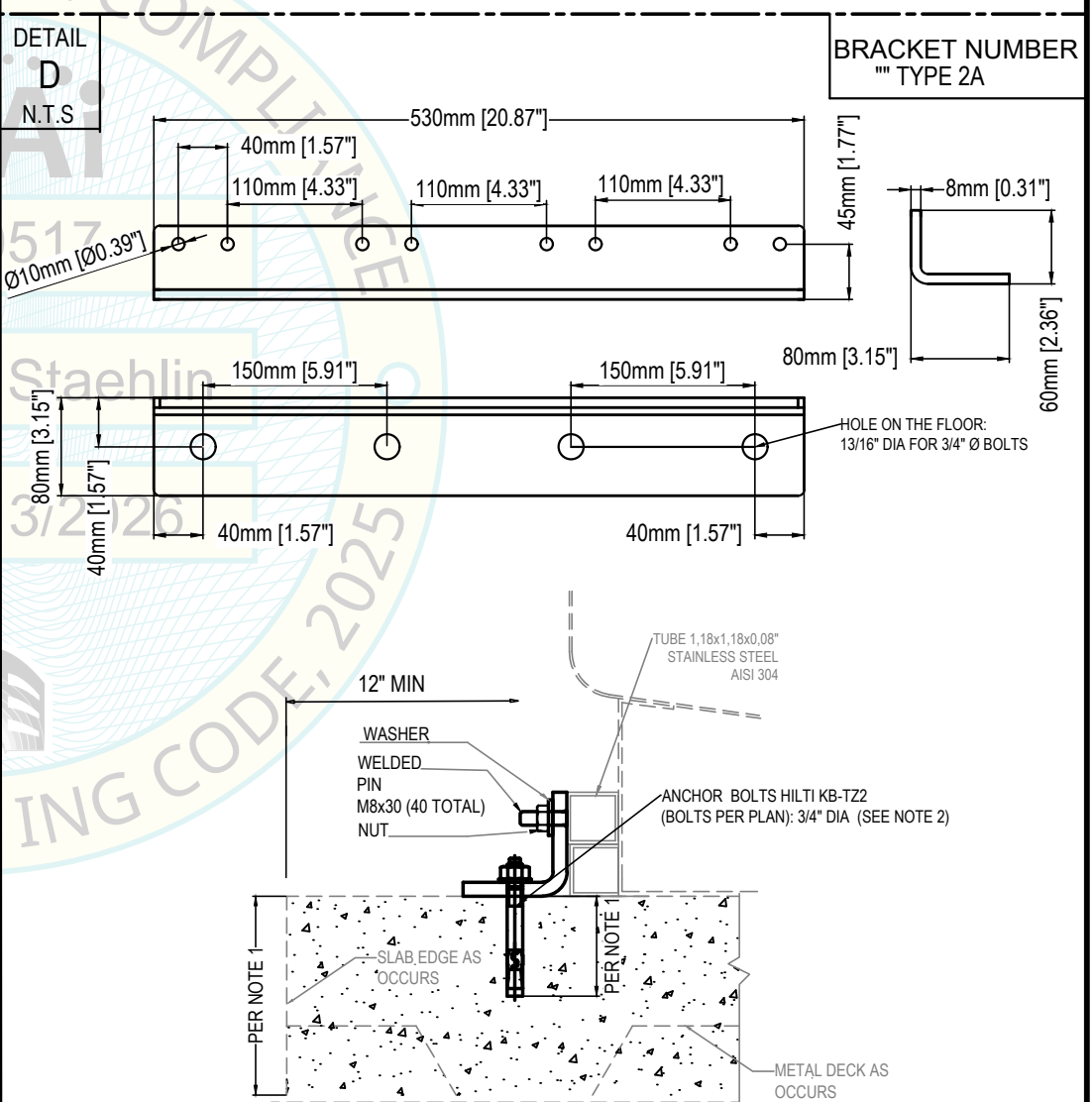
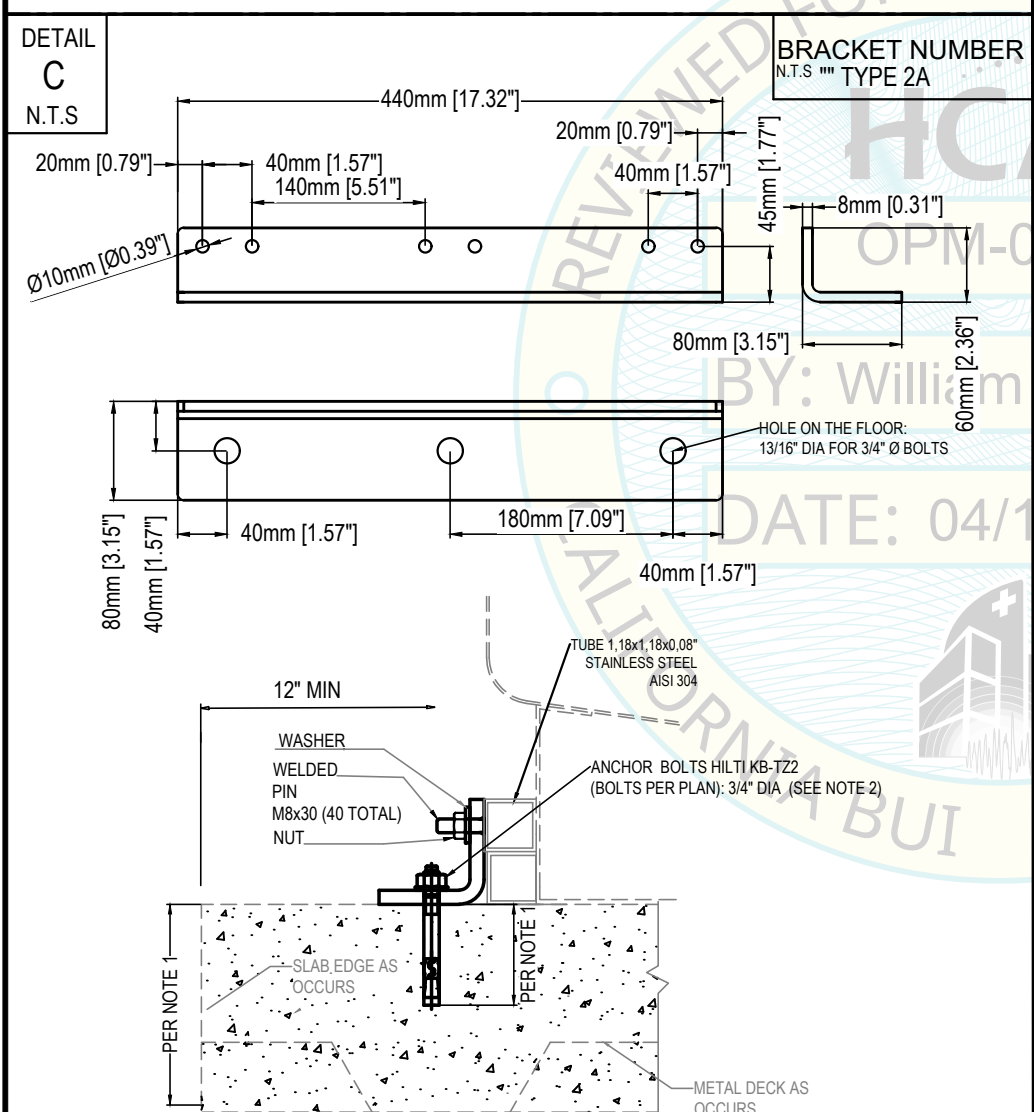
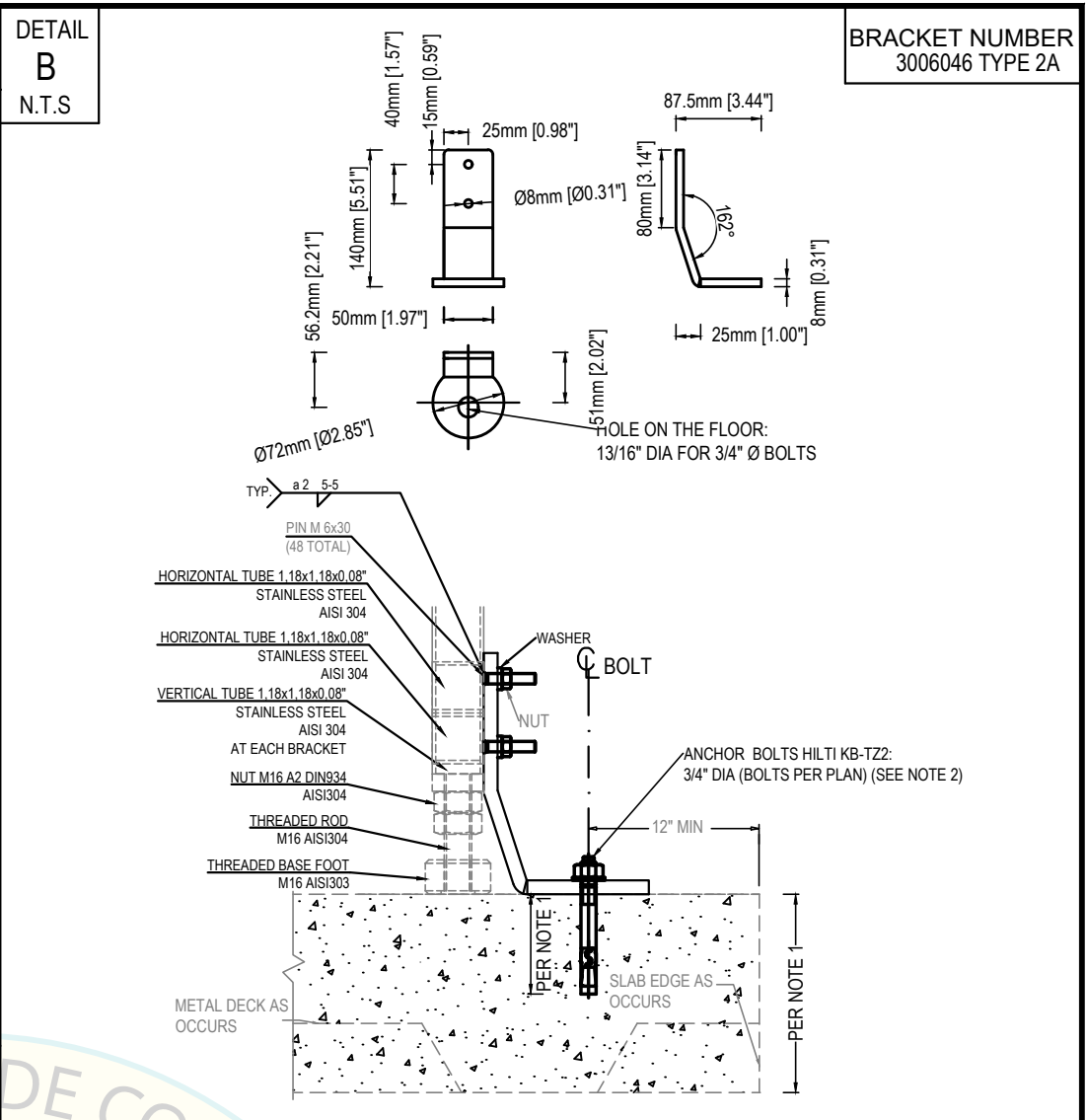
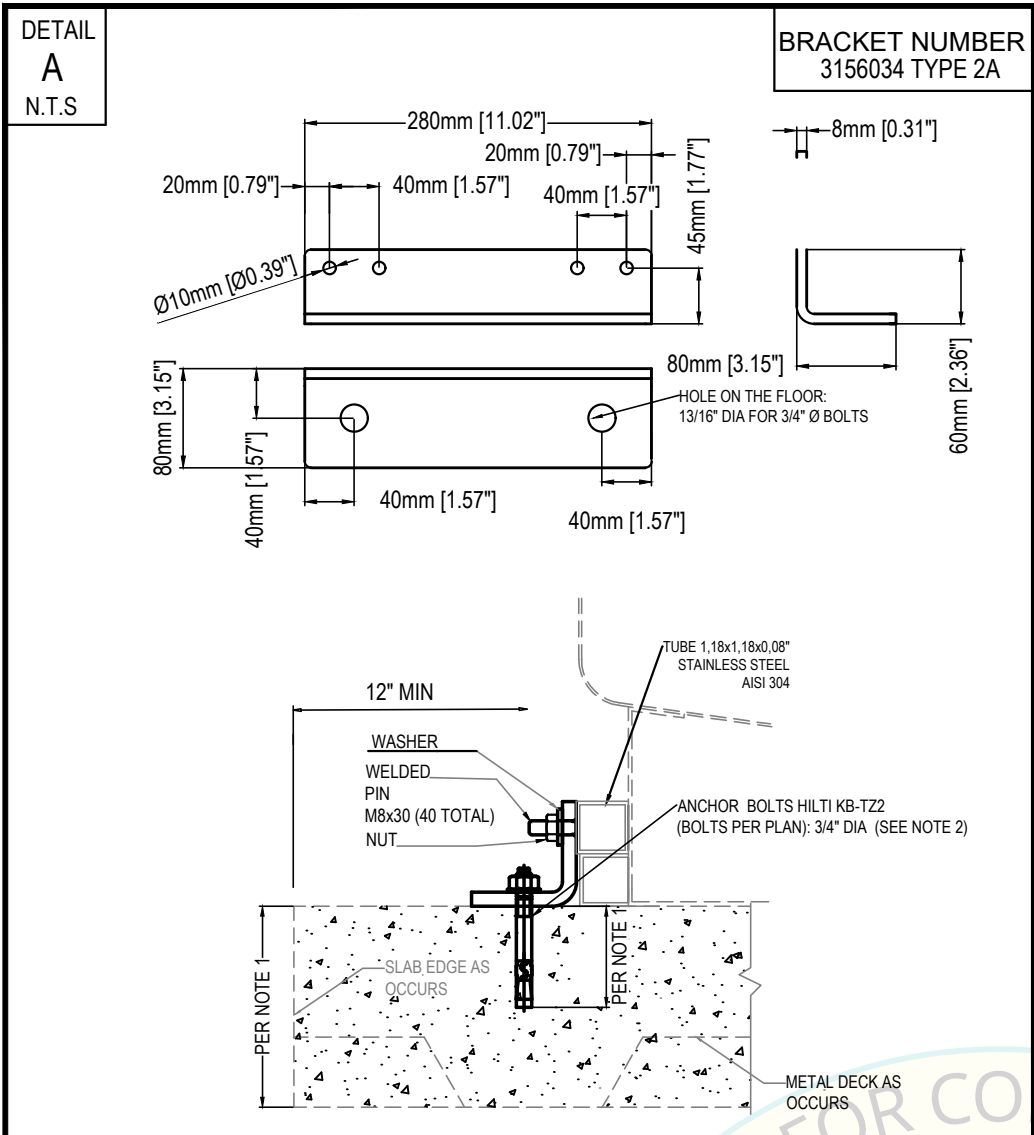
PAGE

**28**

OF 31

DATE

30 of 33 2026



**Steelco**  
**LC 80/2**  
2 OF 2

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1-619-997-9997

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY, PH.+39 04237561

**OPM 0517**  
INSTRUMENT WHASER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A.

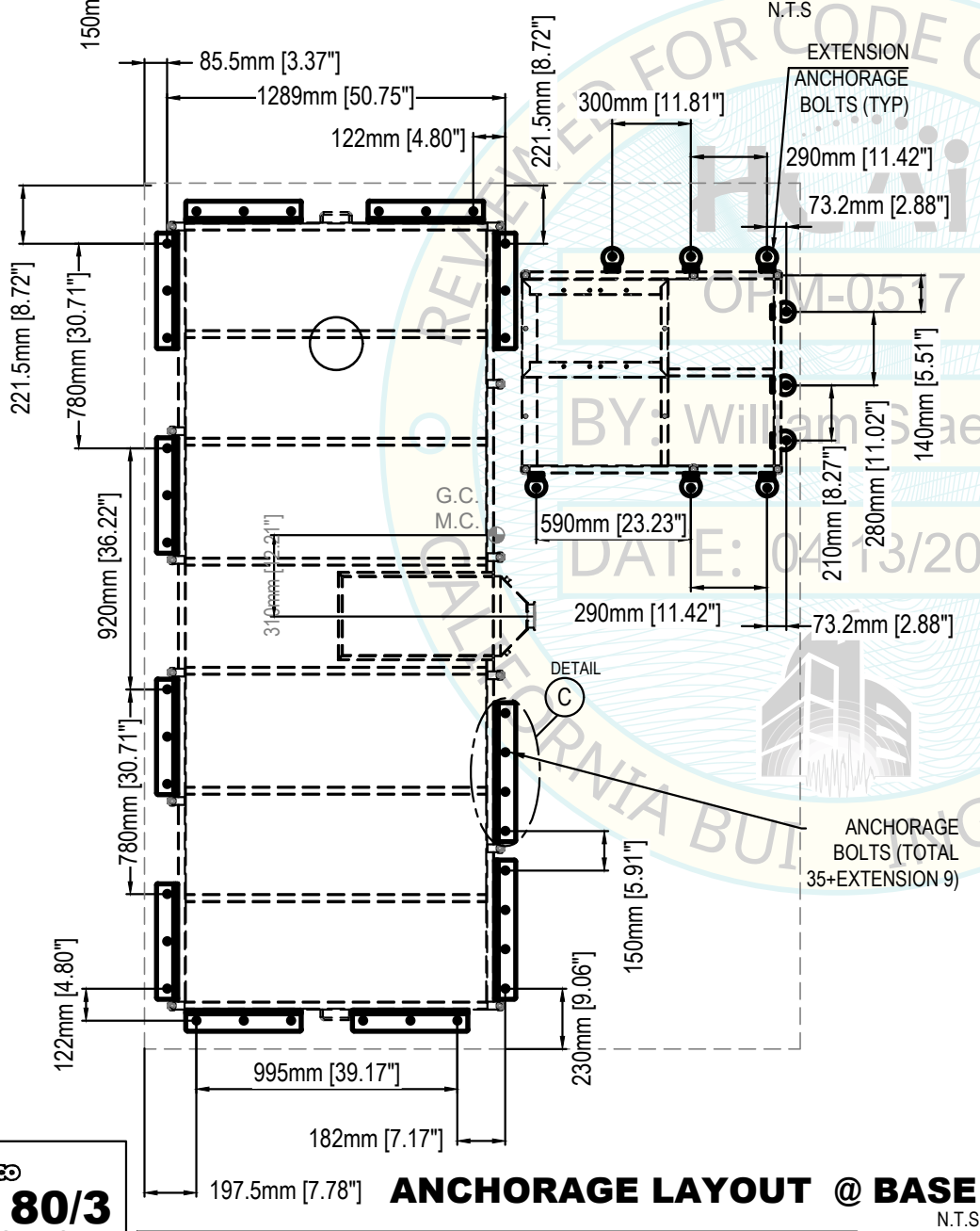
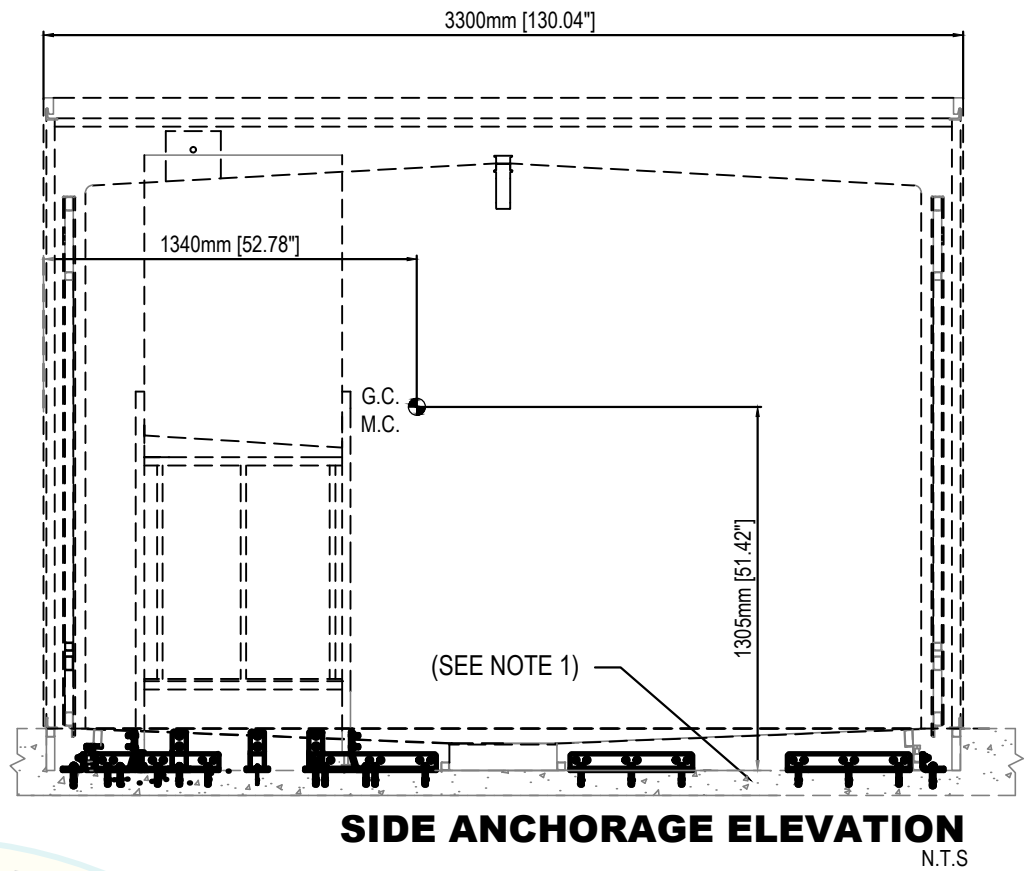
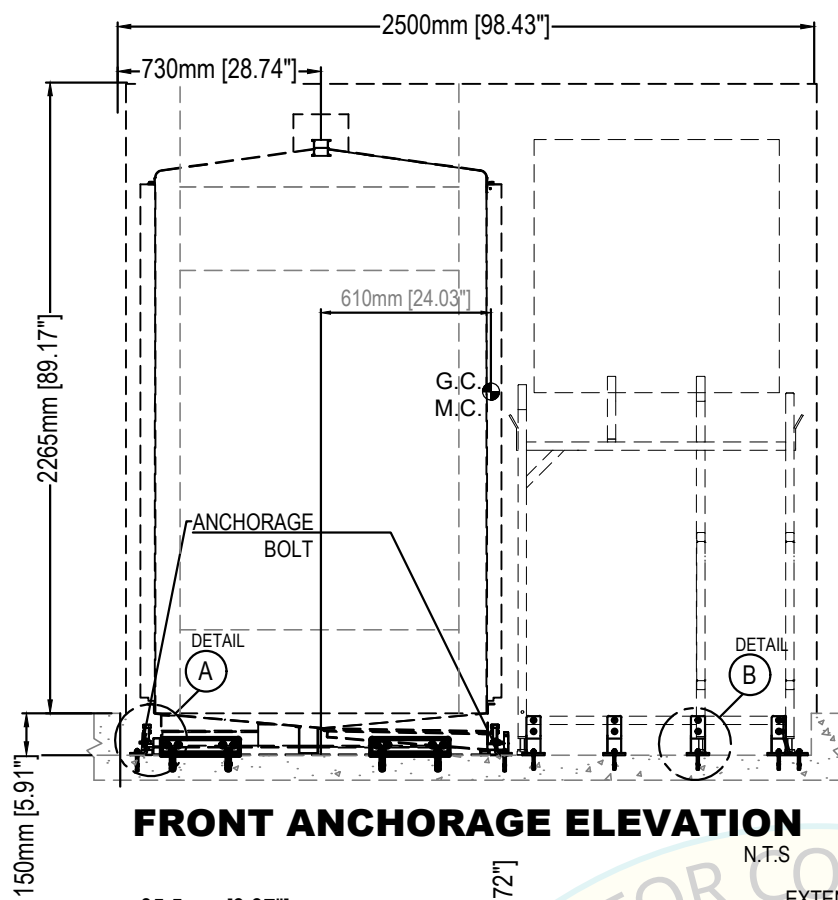
**REGISTERED PROFESSIONAL ENGINEER**  
M ASOUD FIROUZI  
No. 36433  
STATE OF CALIFORNIA

PAGE  
**29**  
OF 31  
DATE  
MARCH 26  
2026

31 of 33

STEELCO WASHING AND  
DISINFECTION CABINS  
MODEL N° LC 80/3

WEIGHT= 7540 POUNDS  
G.C.= Gravity center  
M.C.= Mass center



**NOTE 1**

THE MINIMUM STRUCTURAL REINFORCED CONCRETE SLAB THICKNESS IS AS FOLLOWS:  
1) EQUIPMENT ATTACHED TO TOP OF CAST-IN-PLACE CONCRETE FLOORS:  
- ELEVATED SLABS: 8" MIN  
- SLAB-ON-GRADE:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS
3/8"	2"	NW	4"
1/2"	3 1/4"	NW	5 1/2"
3/4"	3 3/4"	NW	6"

2) EQUIPMENT ATTACHED TO TOP OF SURFACE OF CONCRETE SLAB OVER METAL DECK:

ANCHORAGE DIAMETER	BOLT DIAMETER MIN EFFECTIVE EMBEDMENT	CONCRETE TYPE MIN f'c=3000 psi	MINIMUM CONCRETE MEASURED THICKNESS ABOVE UPPER FLUTES
3/8"	2"	NW or SAND LW	4"
1/2"	3 1/4"	NW or SAND LW	5 1/2"
3/4"	3 3/4"	NW	6"

**NOTE 2**

PROVIDE SHIMS (FILLERS) <math>\frac{1}{4}</math>" WITHOUT LOSS OF CONNECTION CAPACITY UNDER THE HORIZONTAL PL. SHIM EDG TO BE FLUSH w/PL. REFER TO AISC 360-16§J5

**NOTE 3**

ALL STEEL ANGLES IN CONTACT WITH CONCRETE SHALL BE PAINTED OR GALVANIZED AND PROTECTED AGAINST CORROSION

**Steelco**  
**LC 80/3**  
1 OF 2

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**

DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.



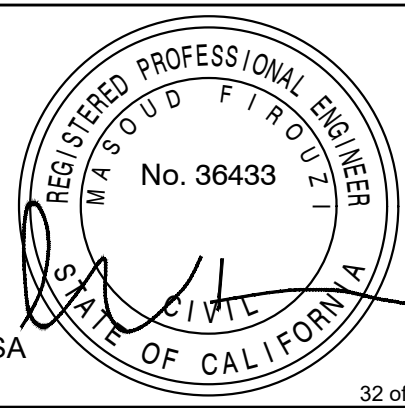
**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY, PH.+39 04237561  
**OPM 0517**  
INSTRUMENT WHASER DESINFECTOR

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries. STEELCO logo and name are registered trademarks and property of Steelco S.p.A.

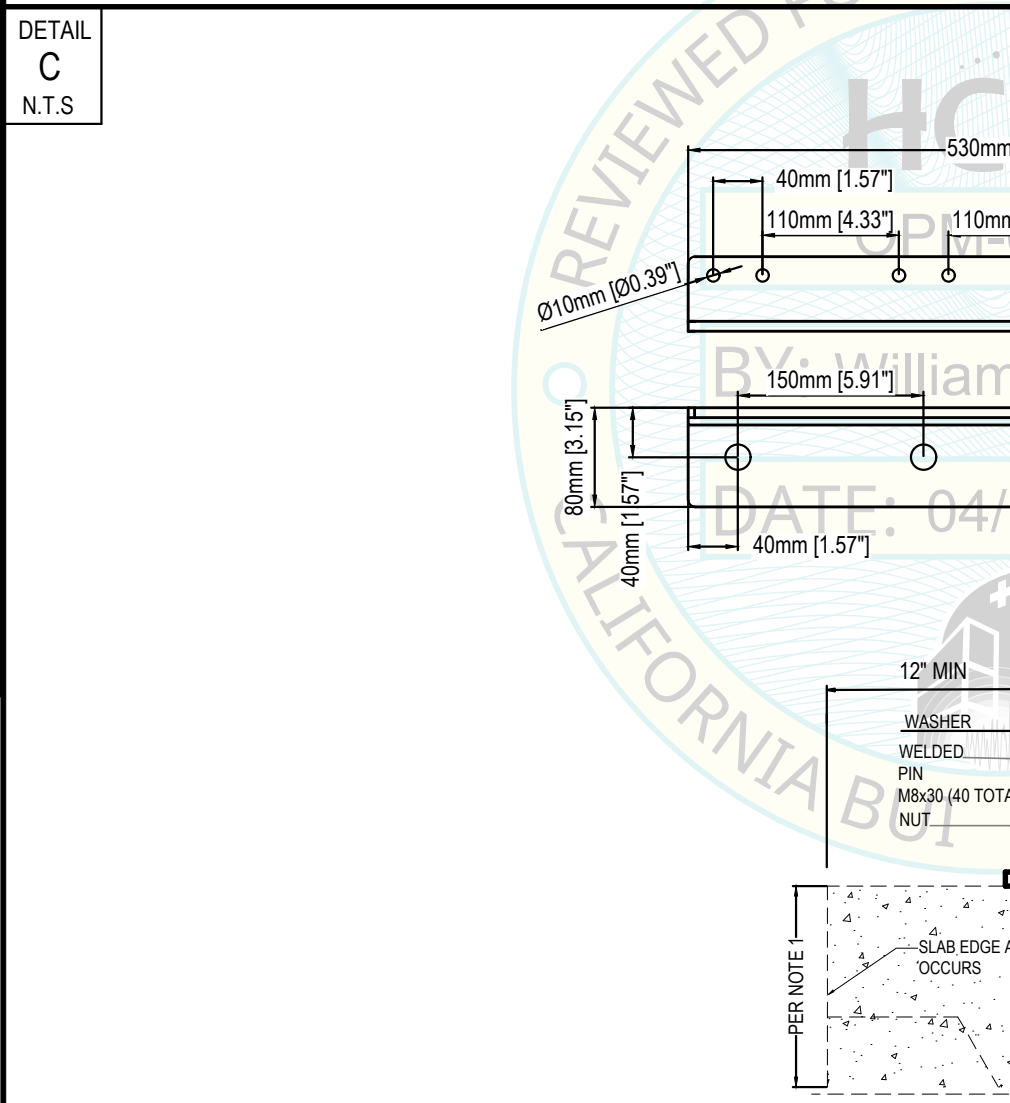
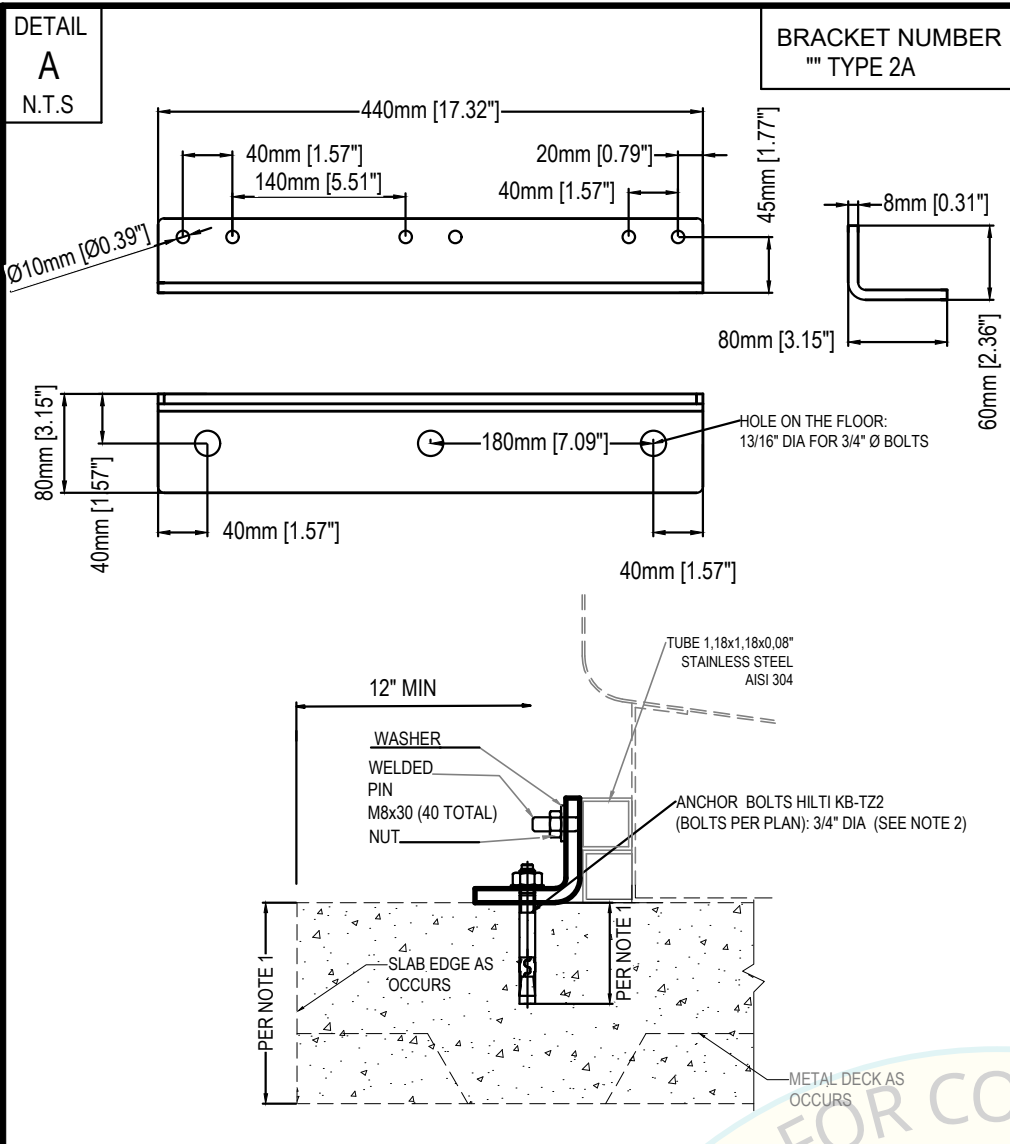
**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1-619-997-9997



PAGE  
**30**  
OF 31  
DATE  
APRIL 12  
2026



**Steelco**  
**LC 80/3**  
2 OF 2

NOTE: SEE PAGES 1 to 7 FOR GENERAL NOTES AND STANDARD DETAILS.

**EQUIPMENT LIST FOR OPM-0517:**  
 DS 500 CDL, DS 500 CL, DS 610/1 D, DS 610/2 D, DS610G2, DS 1000, DS 1000 1S, DS 1000 2S, DS 1000 N, DS 1000 N1S, DS 1000 N2S, TW 3000/2, ED 100/1 frontal support, ED 100/1 lateral support, ED 100/2 frontal support, ED 100/2 lateral support, ID 300/1 frontal support, ID 300/1 lateral support, ID 300/2 frontal support, ID 300/2 lateral support, LC 80/2 and LC 80/3.

**Steelco**  
© Copyright 2016 Steelco SpA - ITALY

Ai termini di legge Steelco SpA - Riese Pio X (TV) - ITALIA - considera il presente documento segreto di proprietà e pertanto fa divieto a chiunque di riprodurlo o di renderlo noto in tutto o in parte a terze parti o a concorrenti senza la specifica autorizzazione scritta della Direzione Steelco Spa. La traduzione, l'adattamento totale o parziale, la riproduzione con qualsiasi mezzo (compresi microfilm, films, fotocopie e la memorizzazione elettronica) sono riservati per tutti i Paesi. Il nome ed il logo STEELCO sono marchi registrati di proprietà di Steelco S.p.A. / According to the law, Steelco S.p.A - Riese Pio X (TV) - ITALY - considers this document to be a company secret and therefore prohibits any person to reproduce it or make it known in whole or in part to other parties or to competitors without specific written authorization of Steelco S.p.A management. The translation, whole or partial adaptation, reproduction by any means (including microfilms, films, photocopies and electronic storage) are reserved in all countries.

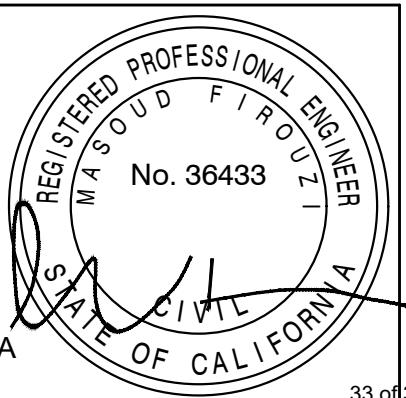
**STEELCO, S.p.A.**  
VIA BALEGANTE, 27 31039, RIESE PIO X(TV), ITALY, PH. +39 04237561

**OPM 0517**  
**INSTRUMENT WASHER DESINFECTOR**

**STRUCTURAL DESIGN BY:**

**FIROUZI CONSULTING ENGINEERS, INC.**

5965 VILLAGE WAY, 105-642  
SAN DIEGO, CALIFORNIA, 92130. USA  
+1 619 997 9997



PAGE  
**31**  
OF 31  
DATE  
APRIL 12  
2026

