



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

ENGINEER'S DAILY REPORT

LAN Engineering Consultant

ge 3-11-09

REPORT NO.	DATE	
811 {7-day} { + 210 Project Work Day}	March 03, 2009	M T W T F S S (DAY)
NORMAL WORK HOUR:	WEATHER:	
START: 6:00AM STOP: 3:30PM	CLOUDY/SHOWERS/SUNNY	
LOCATION :		
Construction Field Office :	333 Burma Road, Oakland 94607	
Working Drawing Campus Office :	375 Burma Road, Oakland 94607	

04-SF-80-13.2/13.9
Contract No. 04-0120F4
{SAS Superstructure}

Caltrans Supervisor:
Gary Lai
Senior Bridge Engineer

Office Work:

❖ **Shop Drawing Priority Lists**

- Received the new OBG and Tower updated list from John Lyons. See attachment #1.

❖ **Email Information Received:**

- Received the Updated 3D model of the East End OBG from TY LIN.
- Received the fabrication inventory lists from Team China.

❖ **Pull Boxes (A, B, C, D) Contract Sheet # 271 Fabrication/Acquisition Issue. Meeting Scheduled @ 10:00 AM WDC. (Caltrans – Design PB)**

- Issues dealing with the Pull Boxes at the Tower Eastbound OBG interface were brought up at the MEP meeting on Tuesday of last week. The issues were dealing with the fabrication and details of the pull boxes at the Tower/OBG interface. This was also brought up in a CRM with the contractor dealing with CCO #55 on Tuesday February 10.
- The following was discussed in the meeting today:
 - Issue #1 – Can the four pull boxes (A, B, C and D) be fabricated with the specifications and details showed on the contract documents.
 - ✚ I indicated that the contract documents have several specifications and details of what the boxes are to be fabricated by. Also the Special Provisions indicates three manufactures or equal as a guide to acquiring these boxes. I asked the electrical design engineers from PB if they provided all the information required to fabricate the boxes and if they had confirmed that these boxes were capable of being produced by at least the three manufactures that they provided as a source for the boxes. I was told that there is enough information and that the boxes can be fabricated per their design.
 - ✚ PB asked if they need to produce more sheets to show the boxes in more detail. I asked if they were going to change the design of the boxes in any way that will require any changes to the original details or specification of the boxes. They said no but if Caltrans wants them to produce the sheets they can but it would take design time from PB.
 - ✚ PB gave out some catalog cuts from Hoffman of different types of boxes with some of the requirements indicated in the contract but not an inclusive package to indicate all the requirements specified in the contract documents. Also received an 11X17 sheet showing Pull Box “D” drawn by PB as an example of the additional sheets showing the pull boxes. There were soon additional requirements on the Pull Box “D” sheet from the contract documents. See attachment # 4.

REC'D '09 MAR 16 #009060



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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REPORT NO. 811 {7-day} { + 210 Project Work Day} DATE March 03, 2009 M **T** W T F S S (DAY)

- ✚ With what I received from PB and what was discussed I still have a doubt that the specifications and details in the contract documents were thoroughly research during the design phase of this project. One of the manufacturers listed in the special provisions do not fabricate pull boxes only cable trays. So unless they contacted the manufacture and gave them the design specifications of the boxes and were assured from the manufacturer that they can fabricate the boxes they are not a feasible source as indicated in the special provisions. Since I did not get any firm conformation from PB that they had contacted the manufactures in design I will try to research this issue to see if it is possible to acquire these boxes without any additional design information.
- Issue #2 – Can the sheet #271 be excluded from CCO # 55, 61 and placed in CCO # 70 with all the changes from all the RFI's and CCR's at one time. This would mean deferring some of the RFI close out until this sheet is issued with all the changes in CCO #70.
- ✚ Reviewing all the RFI's changes to sheet #271 it was agreed that the sheet can be excluded from CCO # 55 and #61 without any conflicts in the CCO packages (CCO # 55 and CCO#61) being issues. The RFI's that pertain to this sheet will still remain partially open until this sheet gets issued to the contractor in a future CCO Package (CCO # 70?).
- Received a call today from Anna Lee (Bleyco Electric) to discuss several issues about the job. One of the topics was the four pull boxes at Elevation 53.85. She was still animate that the boxes cannot be fabricated/acquired with the information given in the contract documents. I believe she is looking for additional design information or a source that can provide the boxes per the existing specifications and details.

Any questions or comments you can reach me at (916) 919-7158. My E-Mail address is Mike.Travis@LANEngineering.com or Michael_Travis@dot.ca.gov

END OF REPORT

0545-1600 @ Office / Time sheet total 8 hours regular

Attachments:

1. Email OBG Status from Team China.
2. Priority lists for Shop Drawing Status with PB review status noted.
3. Notification of updated OBG East End 3D File available.
4. PB Hand Out at Tuesday Meeting.

SIGNATURE

Name

Michael F. Travis

TITLE

Electrical Engineer – LAN Engineering

Attachment #1 (1/1)

Aaron
Prchlik/D04/Caltrans/CAGov
03/03/2009 05:33 PM

To OBG Inventory
cc
bcc
Subject OBG Inventory for week of 2/27/09

For your use.



OBG Panel Status 02-27-09dist.xls

My VPN disconnected halfway through sending, so I apologize if you receive this twice

Thanks,

Aaron Prchlik
Assistant Structure Representative
Caltrans Toll Bridge Construction
(510) 867-6171 Mobile
Aaron_Prchlik@dot.ca.gov

John P
Lyons/D04/Caltrans/CAGov
03/03/2009 12:27 PM

To turner@wai.com, nhan.vo@tylin.com, jduxbury@tylin.com,
sas@tylin.com
cc gary_j_lal@dot.ca.gov, chris_havel@dot.ca.gov,
philip_he@dot.ca.gov, alex_schmitt@dot.ca.gov,
victor_altamirano@dot.ca.gov, April
bcc
Subject OBG and Tower Submittals Requested Due Date March 03,
2009

Please find attached the latest spreadsheet of OBG and Tower Submittals by Contractors Requested Due Date as of March 03, 2009.
If you have any questions please contact me at the Working Drawing Campus 510-808 4615.

Regards
John Lyons



OGB Submittal Status by Req. Due Date.xls Tower Submittal Status by Req. Due Date.xls



"james.duxbury"
<james.duxbury@tylin.com>
03/02/2009 05:08 PM

To "Rick_Morrow@dot.ca.gov" <Rick_Morrow@dot.ca.gov>,
"gary_pursell@dot.ca.gov" <gary_pursell@dot.ca.gov>,
"brian_boal@dot.ca.gov" <brian_boal@dot.ca.gov>,
cc "Marwan Nader" <marwan.nader@tylin.com>

bcc

Subject MEP ISD - East End OBG - Updated 03/31/09

History: This message has been replied to.

Gentlemen,

Updated version(s) of the following model(s) have been uploaded onto the FTP site linked below for your viewing:

- East End OBG (Structure, Electrical, & Mechanical) (Exp 3_31_09)

You will need to download Freedom Viewer onto your computer (the link has been provided on a Word file on the FTP site). I've attached PDF files to give you a general overview of each model. Once the viewer is installed, you will be able to "fly" in and out of the structure.

Please note that the files are work in progress and are not intended for distribution. Models will be updated every other week.

The FTP is secure and is intended for Caltrans use only. Please do not distribute.

Regards,

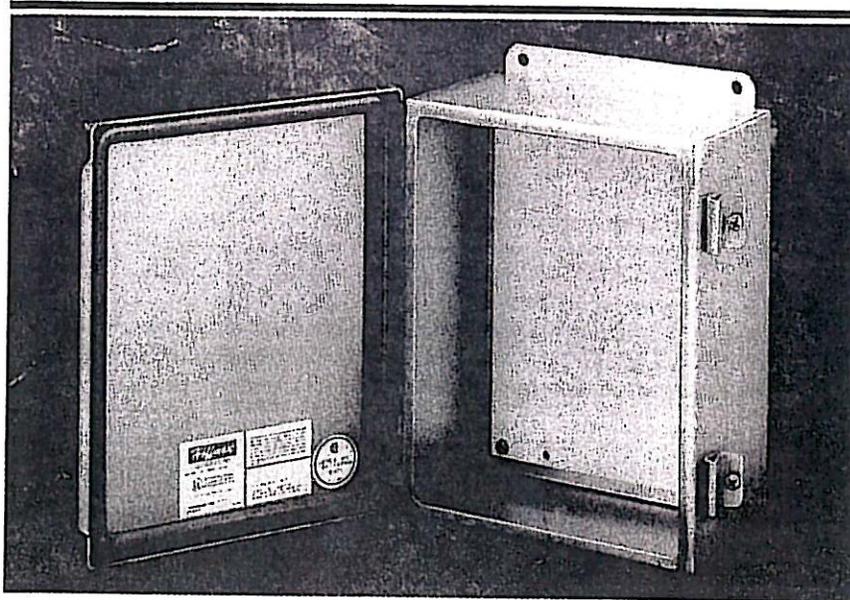
James,

Please use following FTP link:

ftp://mep_ct:ct_mep@project.tylin.com



Stainless Steel Continuous Hinge Type 4X "CHNFSS" Junction Boxes



Attachment #4 (1/8)

Finish

Enclosures are unpainted. Cover and sides of body have smooth brushed finish. Optional stainless steel panels are unpainted. Optional steel panels are white.

Industry Standards

UL 50 Type 4, Type 4X, and Type 12
NEMA/EEMAC Type 4, Type 4X, Type 12,
and Type 13
JIC standard EGP-1-1967
CSA Type 4, Type 4X, and Type 12
IEC 529, IP66

Price List Page 6.00

Accessories

See General Accessories index page 9.00

- Corrosion Inhibitors
- Electrical Interlocks
- Fast Operating Junction Box Clamp
- Lock Kit
- Panels (See table)
- Swing-Out Panel Kit
- Terminal Kit Assembly
- Window Kit
- Wiring Duct



Contact your local Hoffman Sales Representative for information on modifications to this product.

Application

Provides unmatched protection for housing electrical components in highly corrosive environments. This enclosure is used in indoor and outdoor settings that are frequently wet or have constant exposure to water, other liquids, or contaminants.

Construction

- 16 or 14 gauge Type 304 or Type 316L stainless steel
- Seams continuously welded and ground smooth, no holes or knockouts
- Seamless foam-in-place gasket assures watertight and dust-tight seal
- Stainless steel screws and clamps assure watertight seal
- Door removed by pulling stainless steel continuous hinge pin
- Weldnuts provided for mounting optional panels and terminal kits
- Specify side to be hinged when ordering custom boxes

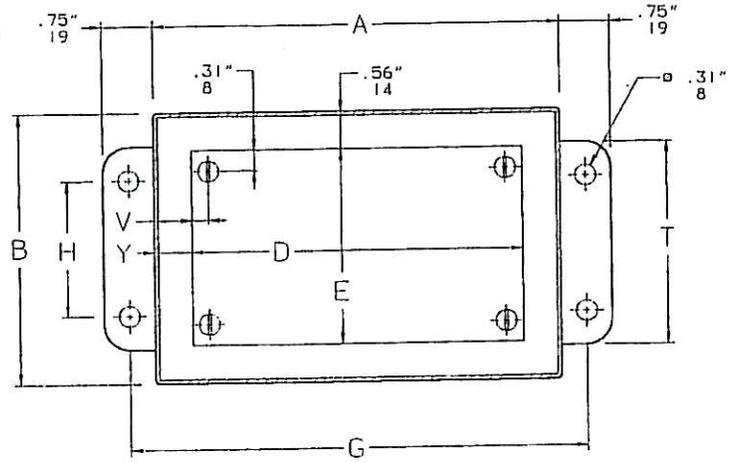
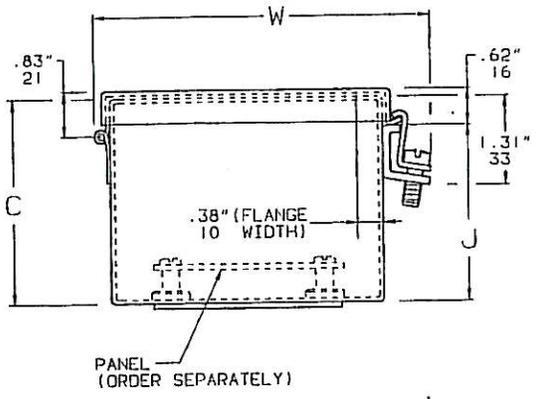
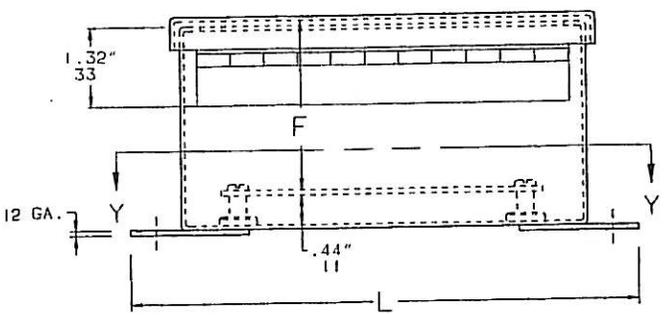
Standard Sizes Continuous Hinge Type 4X "CHNFSS" Junction Boxes

Box Catalog Number	Box Catalog Number	Body Ga.	Cover Ga.	Box Size A x B x C	* Stainless Steel Panel Catalog Number	* Steel Panel Catalog Number	Panel Size D x E	Mounting G x H	Overall L x W	F	J	N	T	V	Y
A-6044CHNFSS	◊ A-6044CHNFSS6	16	16	8.00 x 4.00 x 4.00 (152 x 102 x 102)	A-6P4SS	A-6P4	4.88 x 2.88 (124 x 73)	6.75 x 2.00 (171 x 51)	7.50 x 4.94 (191 x 125)	3.50 (89)	3.62 (92)	2.38 (60)	3.00 (76)	0.31 (8)	0.58 (14)
A-606CHNFSS	◊ A-606CHNFSS6	16	16	6.00 x 6.00 x 4.00 (152 x 152 x 102)	A-6P6SS	A-6P6	4.88 x 4.88 (124 x 124)	8.75 x 4.00 (171 x 102)	7.50 x 6.94 (191 x 176)	3.50 (89)	3.62 (92)	2.38 (60)	5.00 (127)	0.31 (8)	0.58 (14)
A-8064CHNFSS	◊ A-8064CHNFSS8	14	16	8.00 x 6.00 x 4.00 (203 x 152 x 102)	A-8P6SS	A-8P6	6.75 x 4.88 (171 x 124)	8.75 x 4.00 (222 x 102)	9.50 x 6.94 (241 x 176)	3.50 (89)	3.62 (92)	1.38 (35)	5.00 (127)	0.25 (6)	0.62 (16)
A-1008CHNFSS	◊ A-1008CHNFSS6	14	16	10.00 x 8.00 x 4.00 (254 x 203 x 102)	A-10P8SS	A-10P8	8.75 x 6.88 (222 x 175)	10.75 x 6.00 (273 x 152)	11.50 x 8.94 (292 x 227)	3.50 (89)	3.62 (92)	1.38 (35)	7.00 (178)	0.25 (6)	0.62 (16)
A-12106CHNFSS	◊ A-12106CHNFSS6	14	16	12.00 x 10.00 x 6.00 (305 x 254 x 152)	A-12P10SS	A-12P10	10.75 x 8.88 (273 x 225)	12.75 x 8.00 (324 x 203)	13.50 x 10.94 (343 x 278)	5.50 (140)	5.62 (143)	2.38 (60)	9.00 (229)	0.25 (6)	0.62 (16)
A-1212CHNFSS	◊ A-1212CHNFSS6	14	16	12.00 x 12.00 x 6.00 (305 x 305 x 152)	A-12P12SS	A-12P12	10.75 x 10.88 (273 x 276)	12.75 x 10.00 (324 x 254)	13.50 x 12.94 (343 x 329)	5.50 (140)	5.62 (143)	2.38 (60)	11.00 (279)	0.25 (6)	0.62 (16)
A-1412CHNFSS	◊ A-1412CHNFSS6	14	16	14.00 x 12.00 x 6.00 (356 x 305 x 152)	A-14P12SS	A-14P12	12.75 x 10.88 (324 x 276)	14.75 x 10.00 (375 x 254)	15.50 x 12.94 (394 x 329)	5.50 (140)	5.62 (143)	2.38 (60)	11.00 (279)	0.25 (6)	0.62 (16)
A-1614CHNFSS	◊ A-1614CHNFSS6	14	16	16.00 x 14.00 x 6.00 (406 x 356 x 152)	A-16P14SS	A-16P14	14.75 x 12.88 (375 x 327)	16.75 x 12.00 (425 x 305)	17.50 x 14.94 (445 x 379)	5.50 (140)	5.62 (143)	2.38 (60)	13.00 (330)	0.25 (6)	0.62 (16)

Millimeter dimensions () are for reference only; do not convert metric dimensions to inch.

◊ Standard product available for shipment within 10 working days.

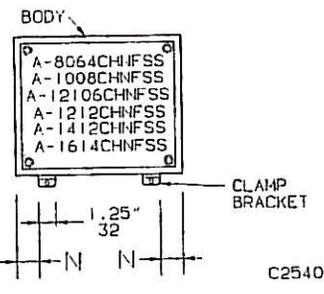
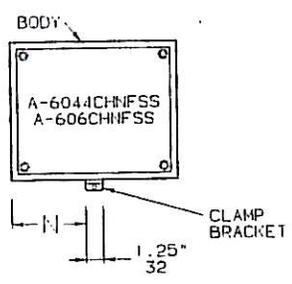
* Panels must be ordered separately. Optional aluminum panels are also available for most sizes. See General Accessories.



SECTION Y-Y

NOTE: 1. Panels are 14 gauge steel or stainless steel.
2. Stainless steel panel screws are #10-32 pan head.

Clamp Bracket Locations

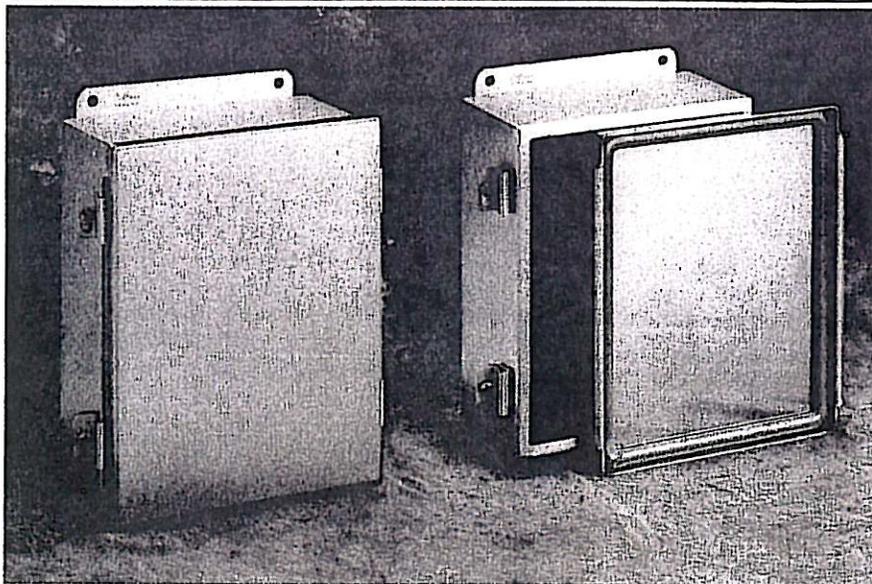


Inch
Millimeter



Stainless Steel Clamp Cover Type 4X "NFSS" Junction Boxes

Attachment #4 (3/8)



Finish

Enclosures are unpainted. Cover and sides of body have smooth brushed finish. Optional stainless steel panels are unpainted. Optional steel panels are white.

Industry Standards

UL 50 Type 4, Type 4X, and Type 12 (See table)
UL 508 Type 4 and Type 4X (See table)
NEMA/EEMAC Type 4, Type 4X, Type 12, and Type 13
CSA Type 4, Type 4X, and Type 12
IEC 529, IP66

Price List Page 6.00

Accessories

See General Accessories index page 9.00

- Corrosion Inhibitors
- Fast Operating Junction Box Clamp Panels (See table)
- Swing-Out Panel Kit
- Terminal Kit Assembly
- Window Kit
- Wiring Duct

Application

Provides unmatched protection for housing electrical components in highly corrosive environments. This enclosure is used in indoor and outdoor settings that are frequently wet or have constant exposure to water, other liquids, or contaminants.

Construction

- 16 or 14 gauge Type 304 or Type 316L stainless steel
- Seams continuously welded and ground smooth, no holes or knockouts
- Seamless foam-in-place gasket assures watertight and dust-tight seal
- Stainless steel screws and clamps assure watertight seal
- Weldnuts provided for mounting optional panels and terminal kits in size 6.00 x 4.00 (152 x 102) and larger



Contact your local Hoffman Sales Representative for information on modifications to this product.

Standard Sizes Clamp Cover Type 4X "NFSS" Junction Boxes

Box Catalog Number Type 304	Box Catalog Number Type 316L	Body Ga.	Cover Ga.	Box Size A x B x C	* Stainless Steel Panel Catalog Number	* Steel Panel Catalog Number	Panel Size D x E	Mounting G x H	Overall L x W	F	J	M	N	T	V	Y
■ A-404NFSS	◇ A-404NFSS6	16	16	4.00 x 4.00 x 3.00 (102 x 102 x 76)	No Panel	No Panel	No Panel	4.75 x 2.00 (121 x 51)	5.50 x 5.38 (140 x 137)	—	2.56 (65)	1.38 (35)	1.38 (35)	3.00 (76)	—	—
■ A-6044NFSS	◇ A-6044NFSS6	16	16	6.00 x 4.00 x 4.00 (152 x 102 x 102)	A-6P4SS	A-6P4	4.88 x 2.88 (124 x 73)	6.75 x 2.00 (171 x 51)	7.50 x 5.38 (191 x 137)	3.50 (89)	3.56 (90)	1.38 (35)	1.38 (35)	3.00 (76)	0.31 (8)	0.56 (14)
□ A-8064NFSS	◇ A-8064NFSS6	14	16	8.00 x 6.00 x 4.00 (203 x 152 x 102)	A-8P6SS	A-8P6	6.75 x 4.88 (171 x 124)	8.75 x 4.00 (222 x 102)	9.50 x 7.38 (241 x 187)	3.50 (89)	3.56 (90)	—	1.38 (35)	5.00 (127)	0.25 (6)	0.62 (16)
□ A-606NFSS	◇ A-606NFSS6	16	16	6.00 x 6.00 x 4.00 (152 x 152 x 102)	A-6P6SS	A-6P6	4.88 x 4.88 (124 x 124)	6.75 x 4.00 (171 x 102)	7.50 x 7.38 (191 x 187)	3.50 (89)	3.56 (90)	2.38 (60)	1.38 (35)	5.00 (127)	0.31 (8)	0.56 (14)
□ A-1008NFSS	◇ A-1008NFSS6	14	16	10.00 x 8.00 x 4.00 (254 x 203 x 102)	A-10P8SS	A-10P8	8.75 x 6.88 (222 x 175)	10.75 x 6.00 (273 x 152)	11.50 x 9.38 (292 x 238)	3.50 (89)	3.56 (90)	—	1.38 (35)	7.00 (178)	0.25 (6)	0.62 (16)
□ A-12106NFSS	◇ A-12106NFSS6	14	16	12.00 x 10.00 x 6.00 (305 x 254 x 152)	A-12P10SS	A-12P10	10.75 x 8.88 (273 x 225)	12.75 x 8.00 (324 x 203)	13.50 x 11.38 (343 x 289)	5.50 (140)	5.56 (141)	—	2.38 (60)	9.00 (229)	0.25 (6)	0.62 (16)
□ A-1412NFSS	◇ A-1412NFSS6	14	16	14.00 x 12.00 x 6.00 (356 x 305 x 152)	A-14P12SS	A-14P12	12.75 x 10.88 (324 x 276)	14.75 x 10.00 (375 x 254)	15.50 x 13.38 (394 x 340)	5.50 (140)	5.56 (141)	—	2.38 (60)	11.00 (279)	0.25 (6)	0.62 (16)
□ A-1614NFSS	◇ A-1614NFSS6	14	16	16.00 x 14.00 x 6.00 (406 x 356 x 152)	A-16P14SS	A-16P14	14.75 x 12.88 (375 x 327)	16.75 x 12.00 (425 x 305)	17.50 x 15.38 (445 x 391)	5.50 (140)	5.56 (141)	—	2.38 (60)	13.00 (330)	0.25 (6)	0.62 (16)

Millimeter dimensions () are for reference only; do not convert metric dimensions to inch.

◇ Standard product available for shipment within 10 working days.

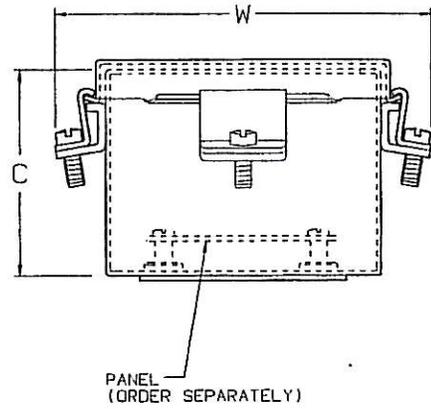
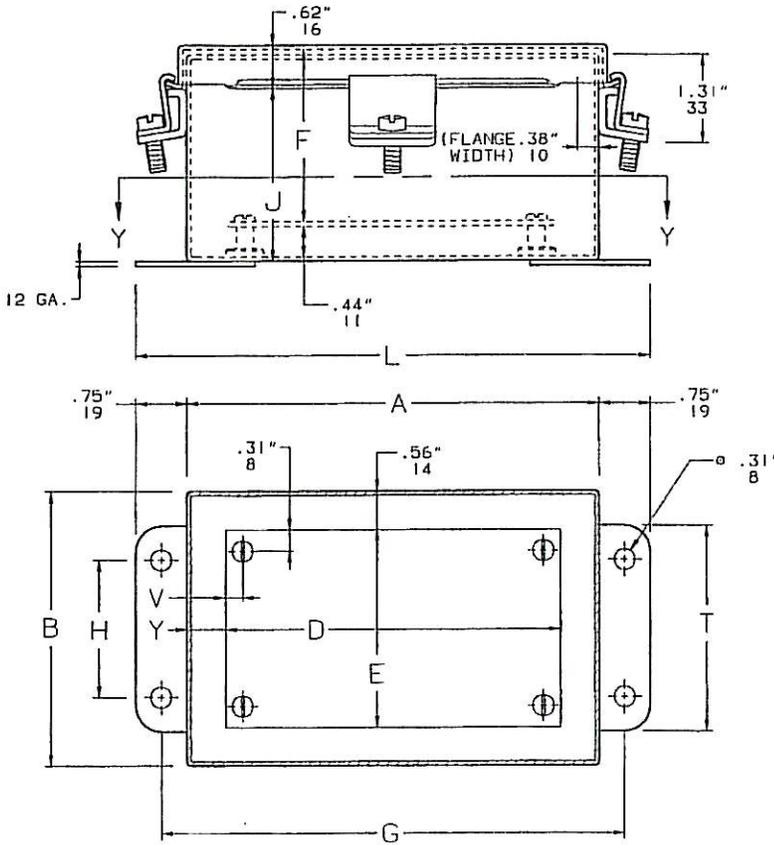
* Panels must be ordered separately. Optional aluminum panels are also available for most sizes. See General Accessories.

□ UL 50 ■ UL 508



Attachment #4 (4/8)

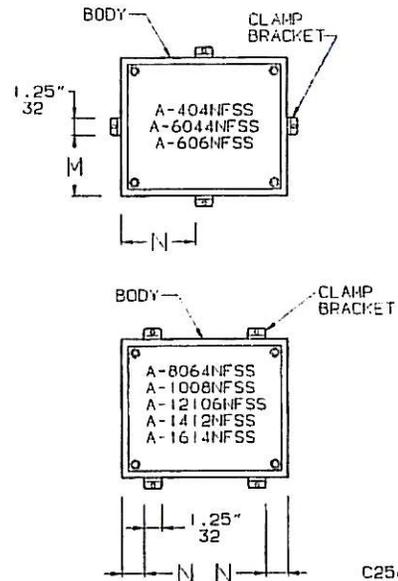
Corrosion-Resistant Enclosures



SECTION Y-Y

NOTE: 1. Panels are 14 gauge steel or stainless steel.
 2. Stainless steel panel screws are #10-32 pan head.

Clamp Bracket Locations



C2541

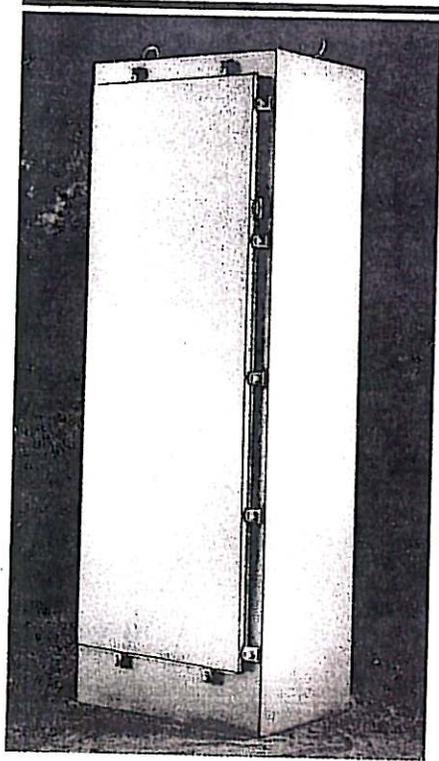
Inch
Millimeter

Steel Junction Boxes

Stainless Steel Free-Standing Type 4X Enclosures



Attachment #4 (5/8)



Construction

- 12 gauge Type 304 or Type 316L stainless steel
- Seams continuously welded and ground smooth, no holes or knockouts
- Mounting channels welded horizontally to interior body sides at top, bottom, and center
- Panels and rack mounting angles can be mounted anywhere along channels
- Rolled lip around three sides of door and along top of enclosure opening excludes liquids and contaminants
- Stainless steel door clamps on three sides of door assure watertight seal
- Heavy gauge stainless steel continuous hinge
- Stainless steel hinge pin
- Stainless steel hasp and staple provided for padlocking
- Data pocket is high-impact thermoplastic
- Lifting eyes for easy handling
- Oil-resistant door gasket attached with oil-resistant adhesive and held in place with steel retaining strips

Finish

Enclosures are unpainted. Front, sides, top, and back have smooth brushed finish. Chrome plated lifting eyes. Optional steel panels are white.

Industry Standards

- UL 508 Type 4 and Type 4X
- NEMA Type 3, Type 4, Type 4X, Type 12, and Type 13
- JIC standard EGP-1-1967
- CSA Type 4 and Type 4X
- E.I.A. RS-310-D
- IEC 529, IP66

Price List Page 6.06

Accessories

- See General Accessories index page 9.00
- Casters
- Clamping Nut Kit
- Corrosion Inhibitors
- Drip Shield Kit
- Electrical Interlocks
- Lighting Kit
- Panels
- Toggle Latch
- Window Kit
- Wiring Duct



Contact your local Hoffman Sales Representative for information on modifications to this product.

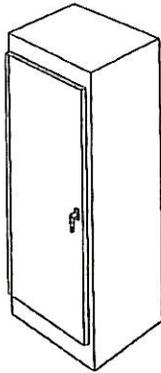
Cross Reference

- Free-Standing Type 4 Enclosures (page 4.50)
- Free-Standing Type 12 Enclosures (page 4.56)
- Stainless Steel Free-Standing Type 12 Enclosures (page 6.46)
- Free-Standing Fiberglass Type 4X Enclosure (page 6.122)

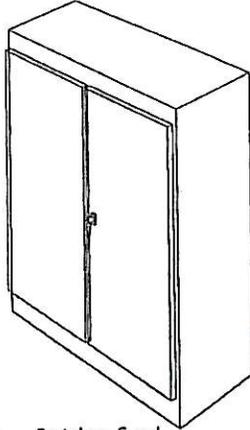
Application

This single-door enclosure provides industry-leading protection for systems incorporating large components or complex mounting configurations in highly corrosive environments. The addition of 19-inch rack mounting accessories make these enclosures ideal for providing rugged protection for sensitive rack mounted components in harsh industrial environments. The enclosure is typically used in the following areas: food processing plants, pharmaceutical manufacturing facilities, petrochemical plants, and waste-water treatment facilities.

Free-Standing Enclosure Group Accessory Selection Guide



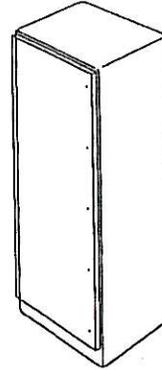
Stainless Steel Free-Standing Type 12 Single-Door Enclosures



Stainless Steel Free-Standing Type 12 Two-Door Enclosures



Stainless Steel Free-Standing Type 4X Enclosures

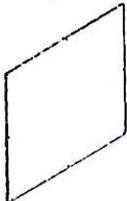


Free-Standing Fiberglass Type 4X Enclosure

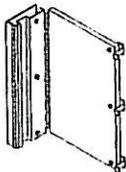
Internal Accessories



Panel for Single-Door Enclosures page 9.55



Panel for Two-Door Enclosures



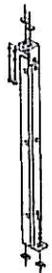
Swing-Out Panel page 9.57



Side-Mounted Panel page 9.58



Heavy-Duty Panel Supports page 9.58



Center Panel Support



Swing-Out Rack Mounting Frame page 9.60



Rack Mounting Angles page 9.60



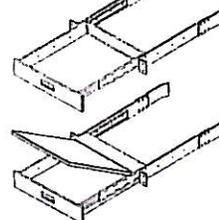
Clip Nut Package page 9.45



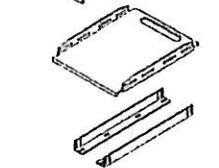
Rack Panel page 9.45



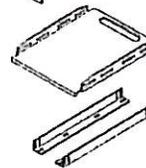
Screw Package page 9.45



Drawer pages 9.46, 9.51



Writing Surface for Drawers pages 9.46, 9.51



Shelf pages 9.46, 9.51



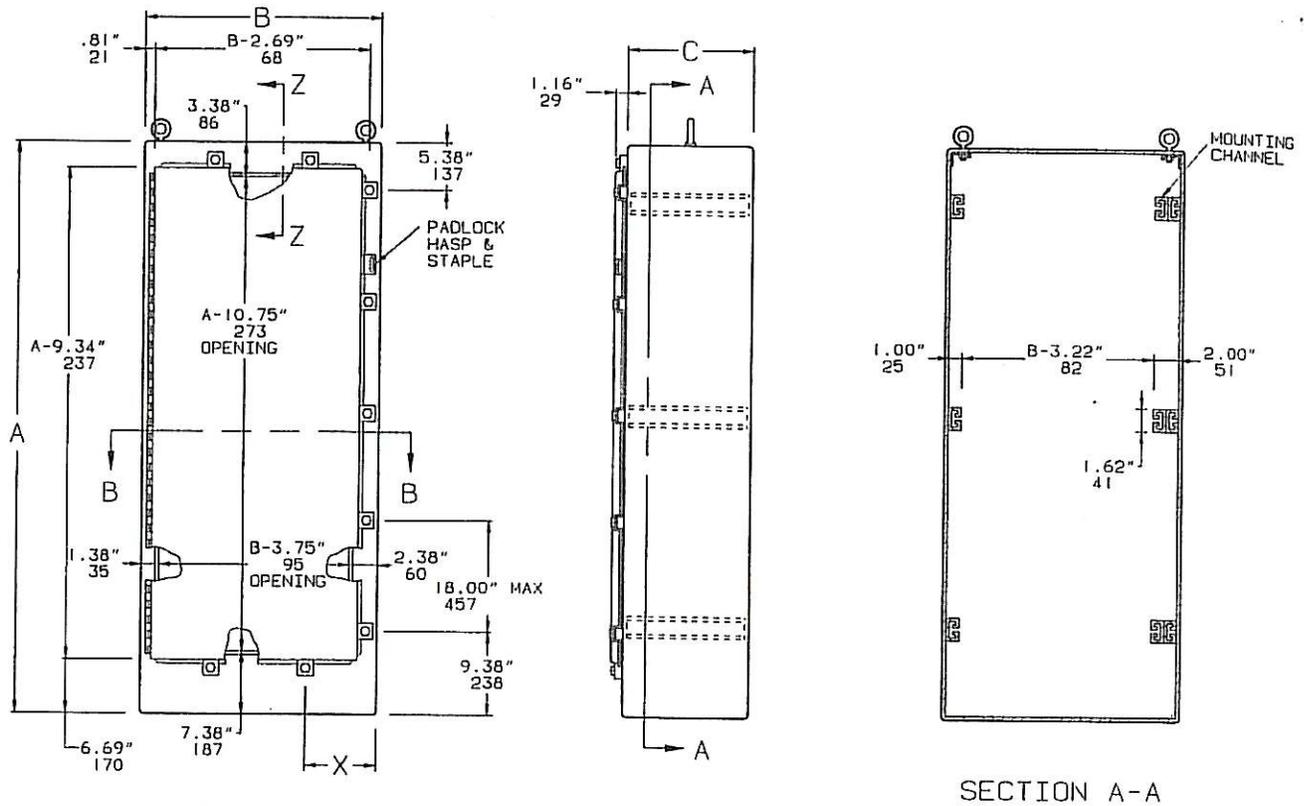
Guides page 9.49

To select an accessory for the enclosure, see the chart on pages 6.43-6.45.

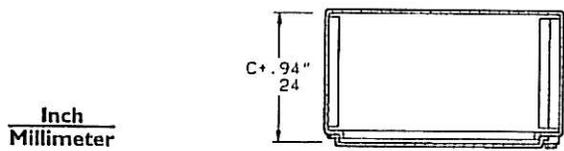
C2586

Stainless Steel Free-Standing Type 4X Enclosures

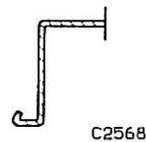
Attachment #4 (7/8)



NOTE: 1. Maximum spacing between clamps is 18.00 (457).
 See pages 9.55, 9.57, 9.60, and 9.63 for section views A-A and B-B showing accessories.
 2. Removable data pocket is 12.00 x 12.00 (305 x 305).



SECTION B-B



SECTION Z-Z

Standard Sizes Stainless Steel Free-Standing Type 4X Enclosures

Type 304 Catalog Number	Type 316L Catalog Number	Enclosure Size A x B x C	X
		inch (millimeter)	inch (mm)
◊ A-72H2518SSFS	▶ ◊ A-72H2518SS6FS	72.06 x 25.06 x 18.06 (1830 x 637 x 459)	6.38 (162)
◊ A-72H3124SSFS	▶ ◊ A-72H3124SS6FS	72.06 x 31.06 x 24.06 (1830 x 789 x 611)	8.38 (213)
◊ A-72H3724SSFS	▶ ◊ A-72H3724SS6FS	72.06 x 37.06 x 24.06 (1830 x 941 x 611)	10.38 (264)

◊ Standard product available for shipment within 10 working days.
 Millimeter dimensions () are for reference only; do not convert metric dimensions to inch.
 ▶ NEW CATALOG ITEMS

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		DESIGN OVERSIGHT	BEHZAD GOLEOHAMMADI	CHECKED BY	DATE REVISD
DATE	REVISD BY	DATE	REVISD BY	DATE	REVISD BY

04	SF	80	13.2/13.9	1204
COUNTY		ROUTE	CALCULATION POINT	SHEET NO.
04		SF	80	13.2/13.9
TOTAL SHEETS				
1204				

REGISTERED ELECTRICAL ENGINEER DATE: _____

PLANS APPROVAL DATE: _____

FOR APPROVAL BY: _____

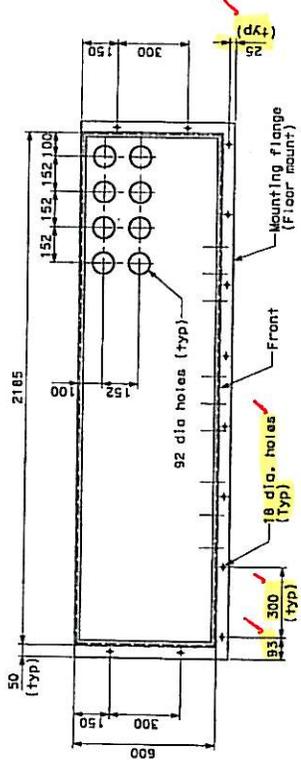
FOR AMERIKAS, INC. 1400 S. CALIFORNIA ST. SUITE 100 SAN FRANCISCO, CA 94107-3017

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of information contained on this plan sheet.

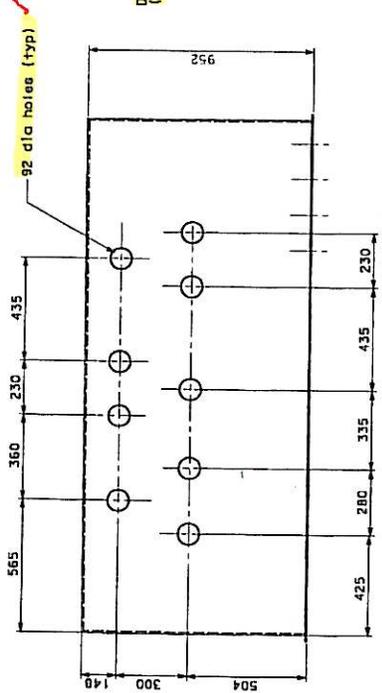
Contact your local web site for the web site to visit: <http://www.dgs.ca.gov>



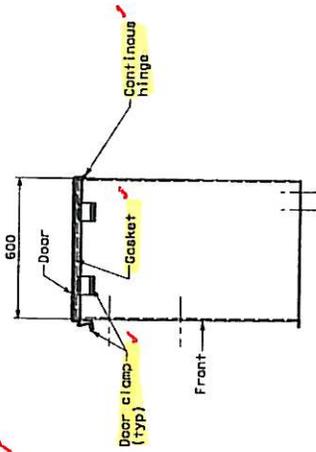
Attachment #4 (8/8)



TOP VIEW
Door not shown for clarity



FRONT VIEW
Door not shown for clarity



SIDE VIEW

NOTES:

1. Enclosure shall be made of 14-gage Type 304 or Type 316 stainless steel.
2. Enclosure shall meet industry standards of NEMA 4X and UL870.
3. All seams shall be continuously welded and ground smoothly.
4. All exterior hardware shall be Type 304 or Type 316 stainless steel.
5. Door shall be reinforced with stiffeners or equal as required. Door shall be a continuous hinge, latching clamps and suitable gasket.
6. Enclosure shall be reinforced with stiffeners or equal as required. Stiffeners shall have an oval anchoring of cable grips above the door. Stiffeners shall also have provision for installation of ty-raps to tie down cables at four sides of enclosure.
7. Enclosure shall have nameplate permanently affixed on the door.
8. Enclosure shall be free of sharp edges and burrs.

PULL BOX D - DETAILS
R.GARCIA 3-8-09