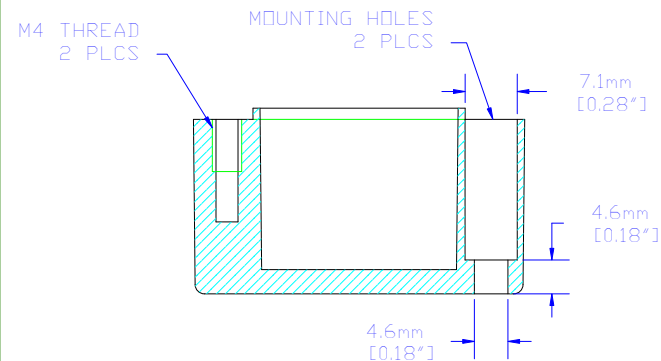
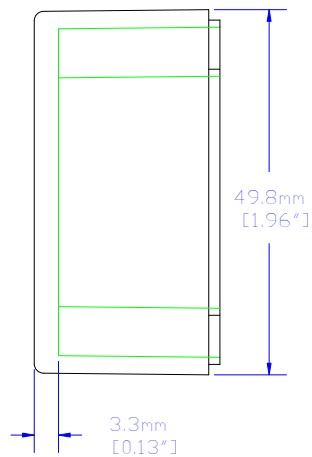


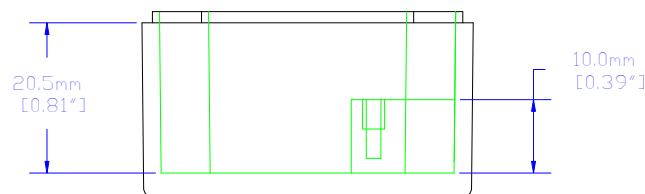
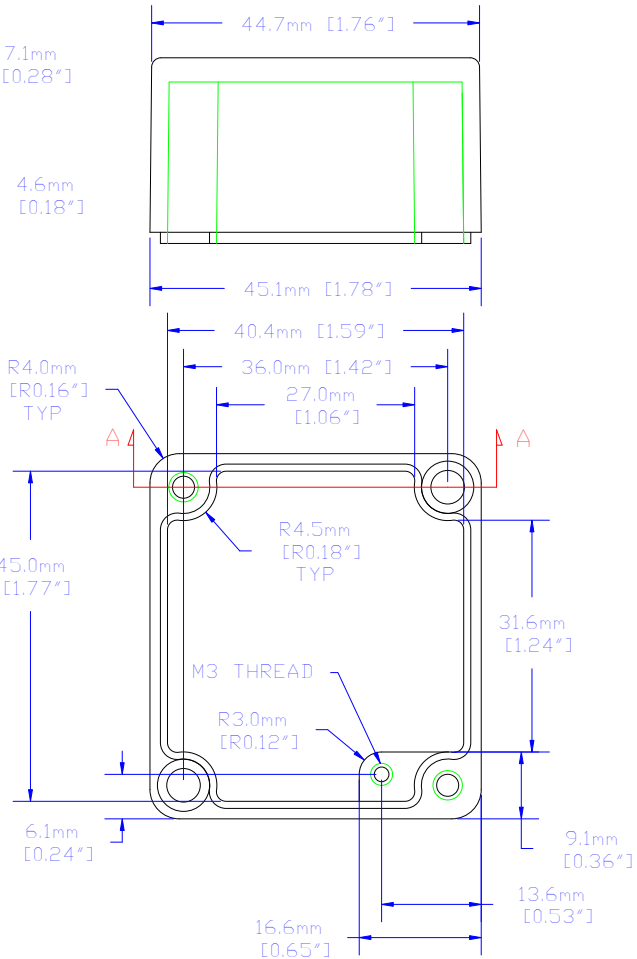


A-A



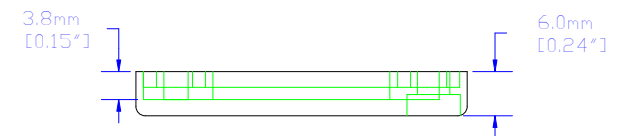
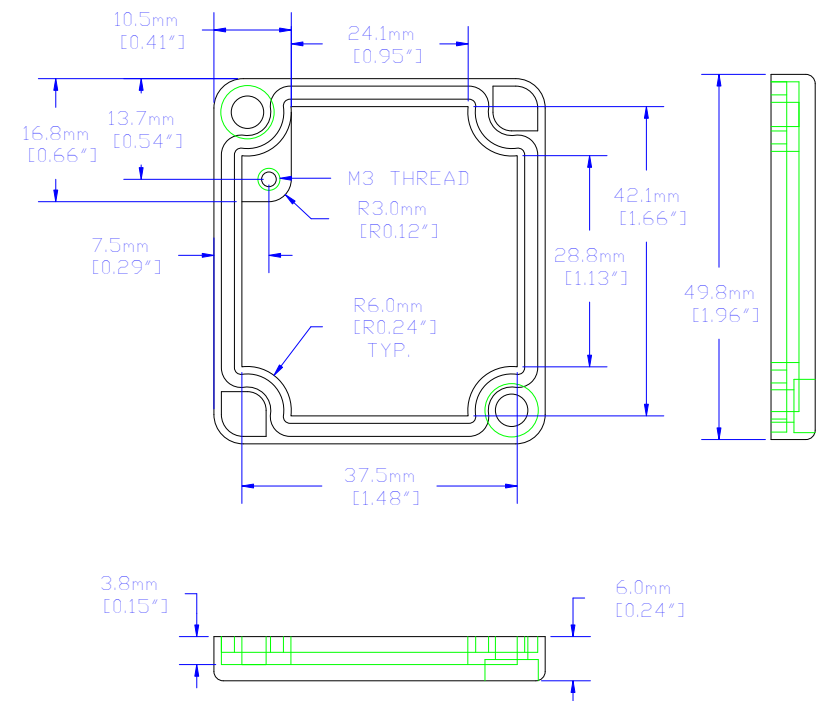
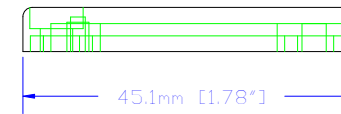
SIDE VIEWS DO NOT DETAIL
SCREW CHANNELS SEE
"A - A" FOR CHANNEL DETAIL

BOX



NOTES

DESIGNED TO MEET THE REQUIREMENTS OF IP65, & NEMA 4X
TONGUE & GROOVE CONSTRUCTION WITH A MOLDED ONE PIECE SILICON GASKET.
COMES WITH 2 STAINLESS STEEL MACHINE LID SCREWS, CAPTIVATED WITH 4 RUBBER O-RINGS.
COMES WITH 2 GROUNDING SCREWS AND WASHERS.
FINISH: NONE OR SUFFIX "BK" BLACK, OR SUFFIX "GY" GRAY (RAL 7001) POLYESTER POWDER



LID

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on legal size paper.

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Rev

ECN

Description

Date

By

Unless otherwise spec'd
dimensions are in
millimeters Tolerances are:

.X	±2.5
.XX	±1.50
.XXX	±.500
.XXXX	±.1300
Holes	±.1300
Angles	±5°



Dwn
Date
Chk
Mat'l
Sheet

M. MERCER
10/07/02

CAST ALUMINUM
1 of 1

Part #

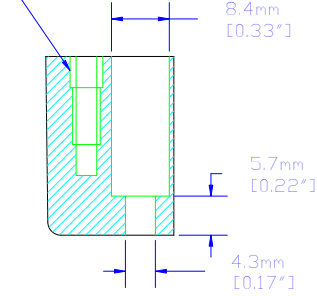
HAMMOND MANUFACTURING CO. LTD.
Electronics Group, Waterloo, Ont. - Cheektowaga, NY

HAMMOND 1590Z SERIES
CASTED AL ENCLOSURES

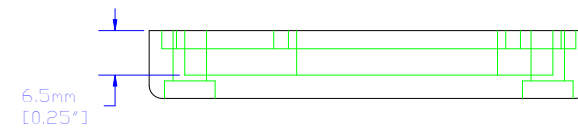
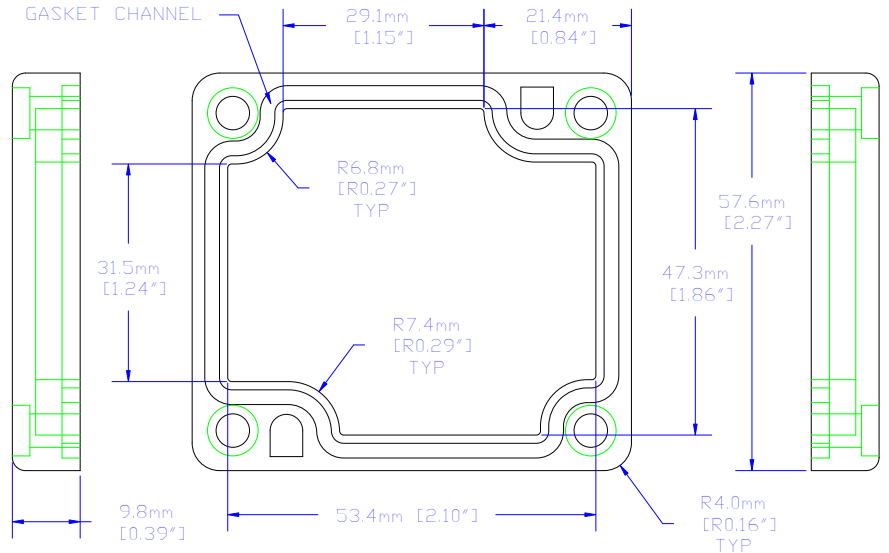
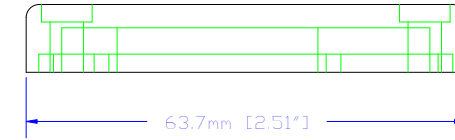
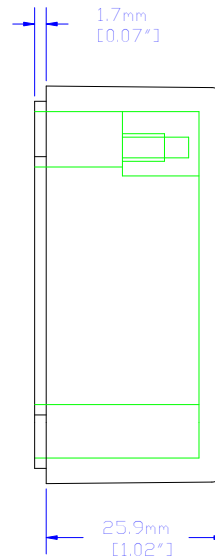
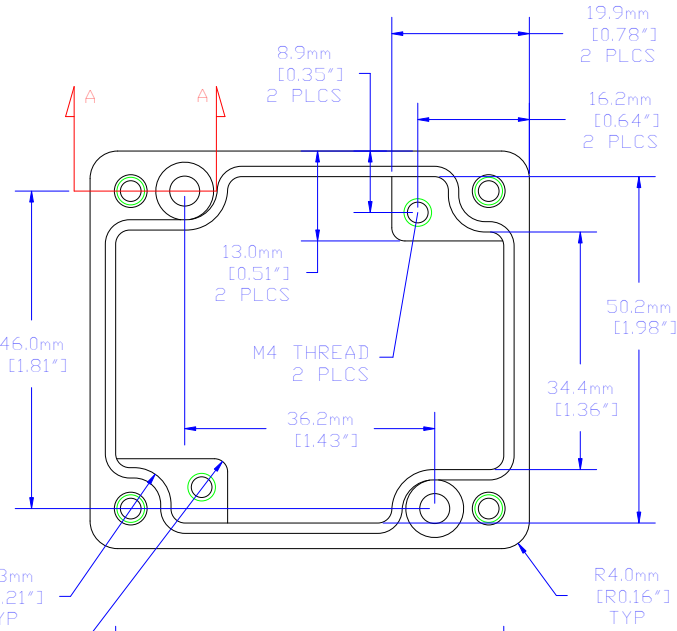
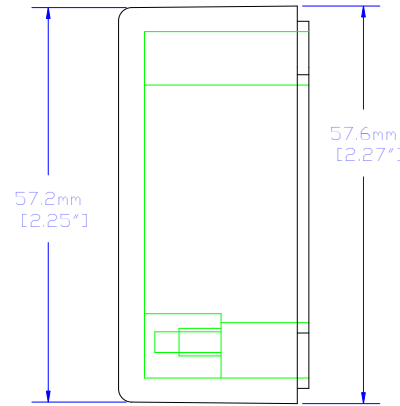
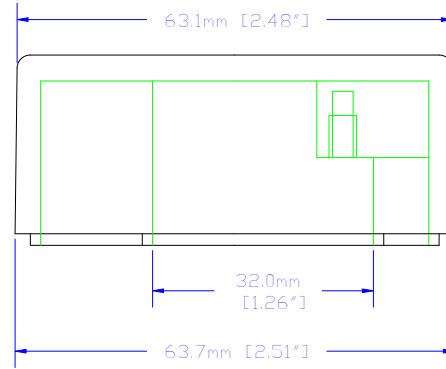
1590Z060

Dwg: 1590Z060/A

M4 THREAD FOR LID
SCREWS 4 PLACES



A—A



LID

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on legal size paper.

SIDE VIEWS DO NOT DETAIL
SCREW CHANNELS SEE
"A - A" FOR CHANNEL DETAIL

BOX

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△	N/A	RELEASE	---	10/10/02	MJM
Rev	ECN	Description		Date	By

Unless otherwise spec'd
dimensions are in
millimeters Tolerances are:

X ±2.5
.XX ±1.50
.XXX ±.500
.XXXX ±.1300
Holes ±.1300
Angles ±5°

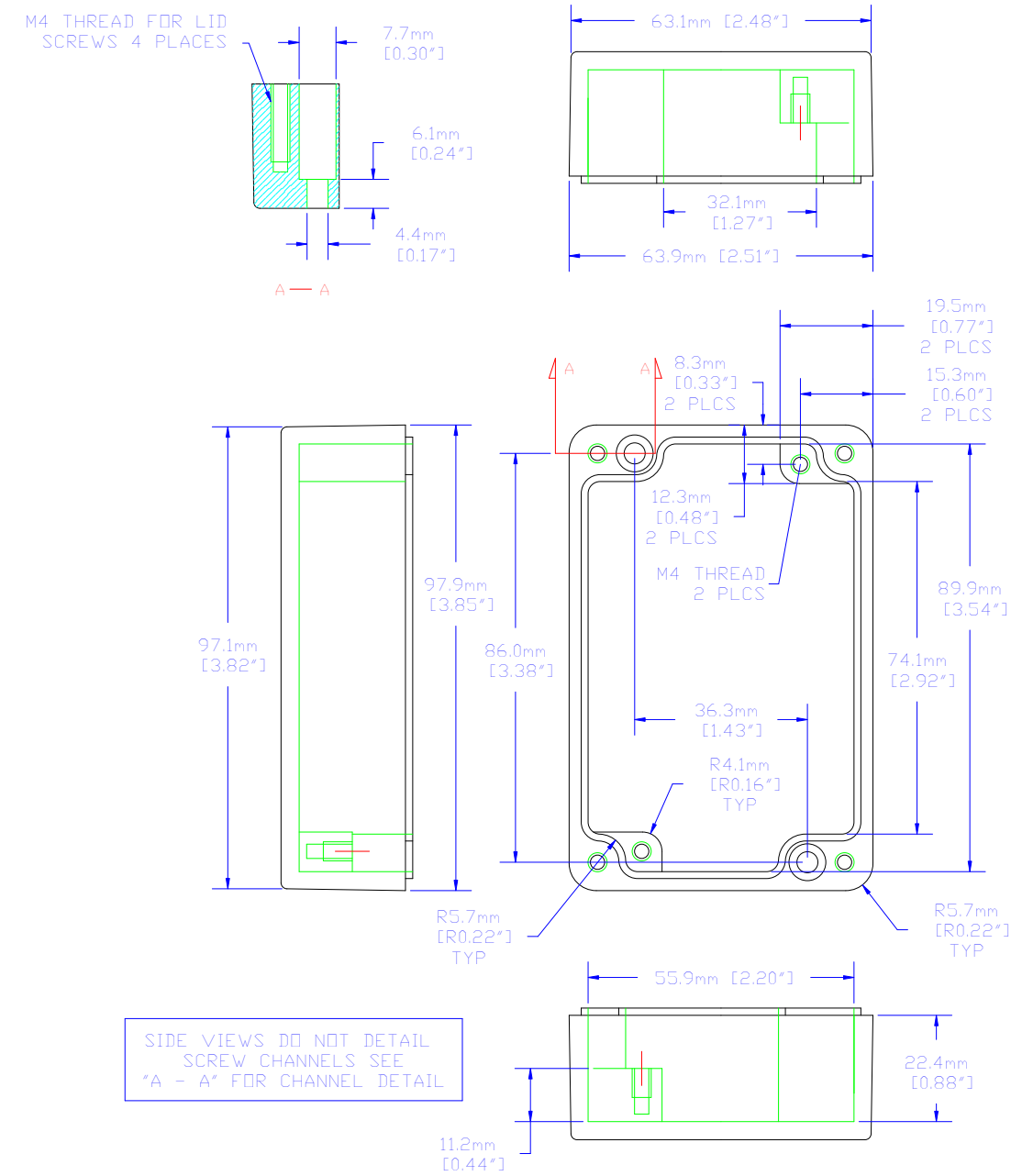


Dwn	M. MERCER
Date	10/10/02
Chk	---
Mat'l	CAST ALUMINUM
Sheet	1 of 1

HAMMOND MANUFACTURING CO. LTD. Electronics Group, Waterloo, Ont. - Cheektowaga, NY	
HAMMOND 1590Z SERIES CASTED AL ENCLOSURES	
Part #	1590Z061
Dwg	1590Z061/A

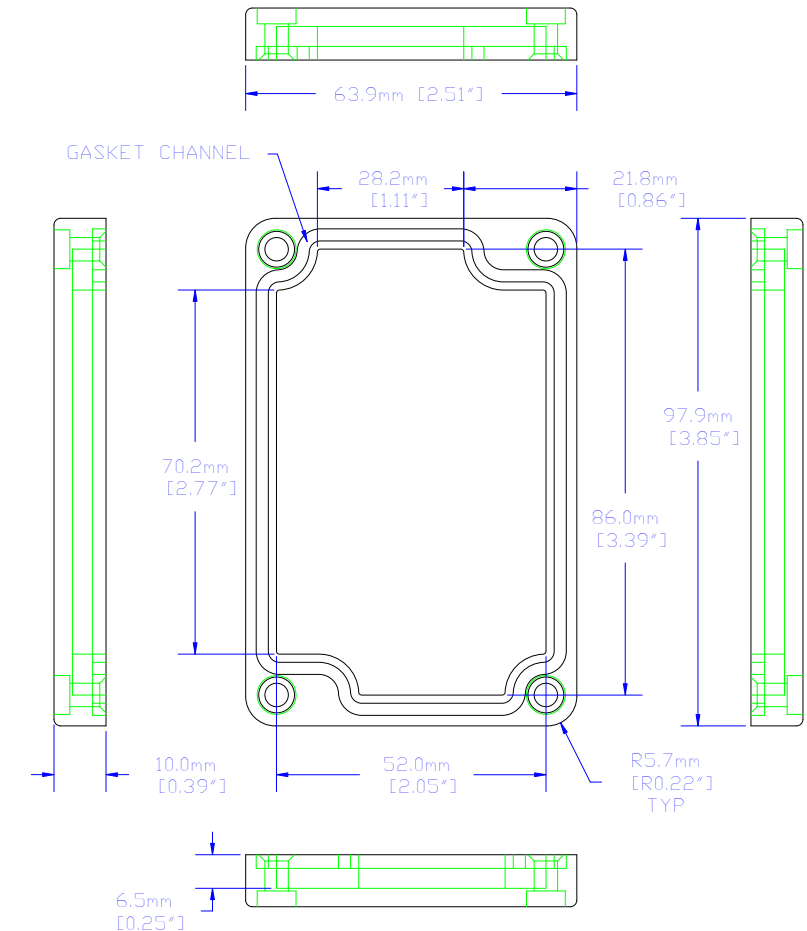
NOTES

DESIGNED TO MEET THE REQUIREMENTS OF IP65, & NEMA 4X
TONGUE & GROOVE CONSTRUCTION WITH A MOLDED ONE PIECE SILICON GASKET.
COMES WITH 4 STAINLESS STEEL MACHINE LID SCREWS, CAPTIVATED WITH 4 RUBBER O-RINGS.
COMES WITH 2 GROUNDING SCREWS AND WASHERS.
FINISH: NONE OR SUFFIX "BK" BLACK, OR SUFFIX "GY" GRAY (RAL 7001) POLYESTER POWDER



SIDE VIEWS DO NOT DETAIL SCREW CHANNELS SEE "A - A" FOR CHANNEL DETAIL

BOX



LID

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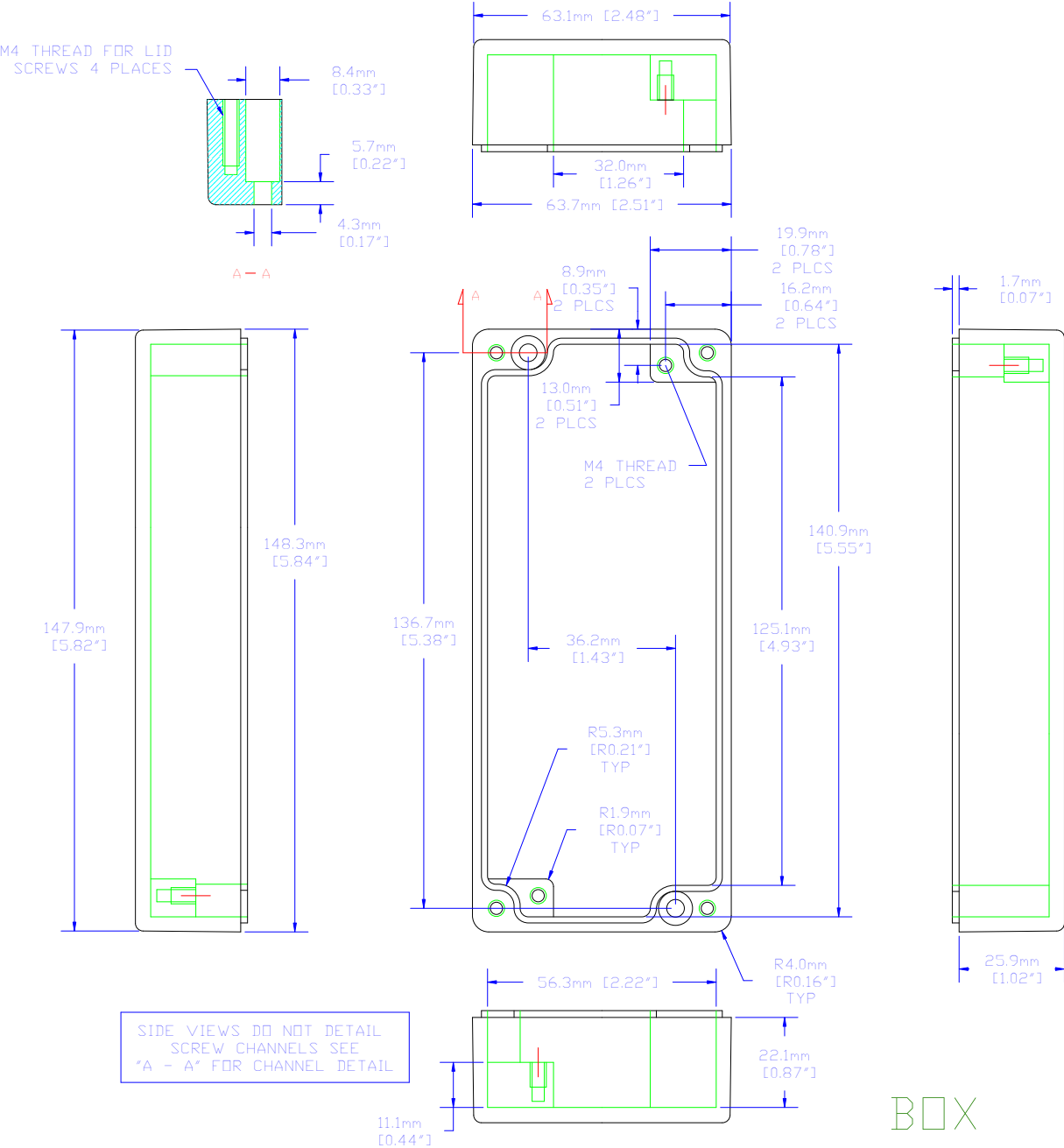
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△	N/A	RELEASE	----	10/14/02	MJM
Rev	ECN	Description		Date	By

Unless otherwise spec'd dimensions are in millimeters Tolerances are:	
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.XXX	±.500
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Holes	±.1300
Angles	±5°
⊕	⏏

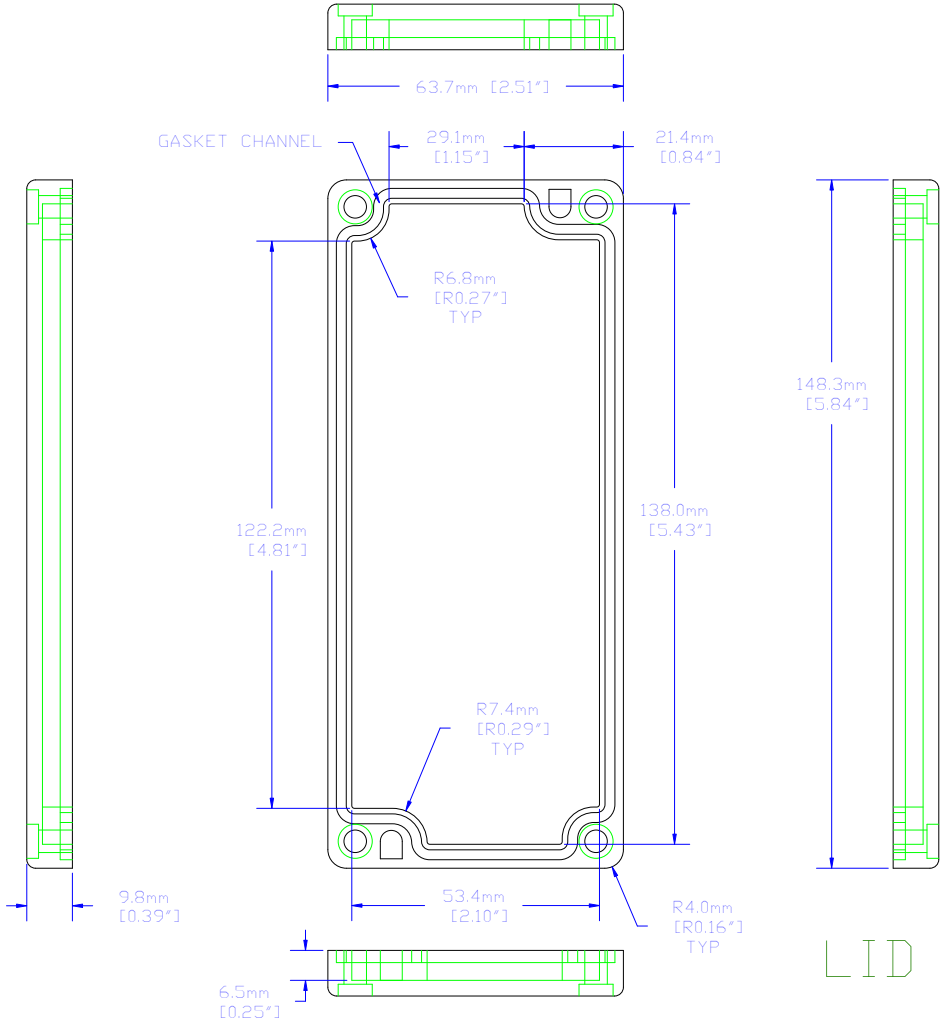
Dwn	M. MERCER
Date	10/14/02
Chk	---
Mat'l	CAST ALUMINUM
Sheet	1 of 1

HAMMOND MANUFACTURING CO. LTD. Electronics Group, Waterloo, Ont. - Cheektowaga, NY	
HAMMOND 1590Z SERIES CASTED AL ENCLOSURES	
Part #	1590Z062
Dwg	1590Z062/A



NOTES

DESIGNED TO MEET THE REQUIREMENTS OF IP65, & NEMA 4X
TONGUE & GROOVE CONSTRUCTION WITH A MOLDED ONE PIECE SILICON GASKET.
COMES WITH 4 STAINLESS STEEL MACHINE LID SCREWS, CAPTIVATED WITH 4 RUBBER O-RINGS.
COMES WITH 2 GROUNDING SCREWS AND WASHERS.
FINISH: NONE OR SUFFIX "BK" BLACK, OR SUFFIX "GY" GRAY (RAL 7001) POLYESTER POWDER



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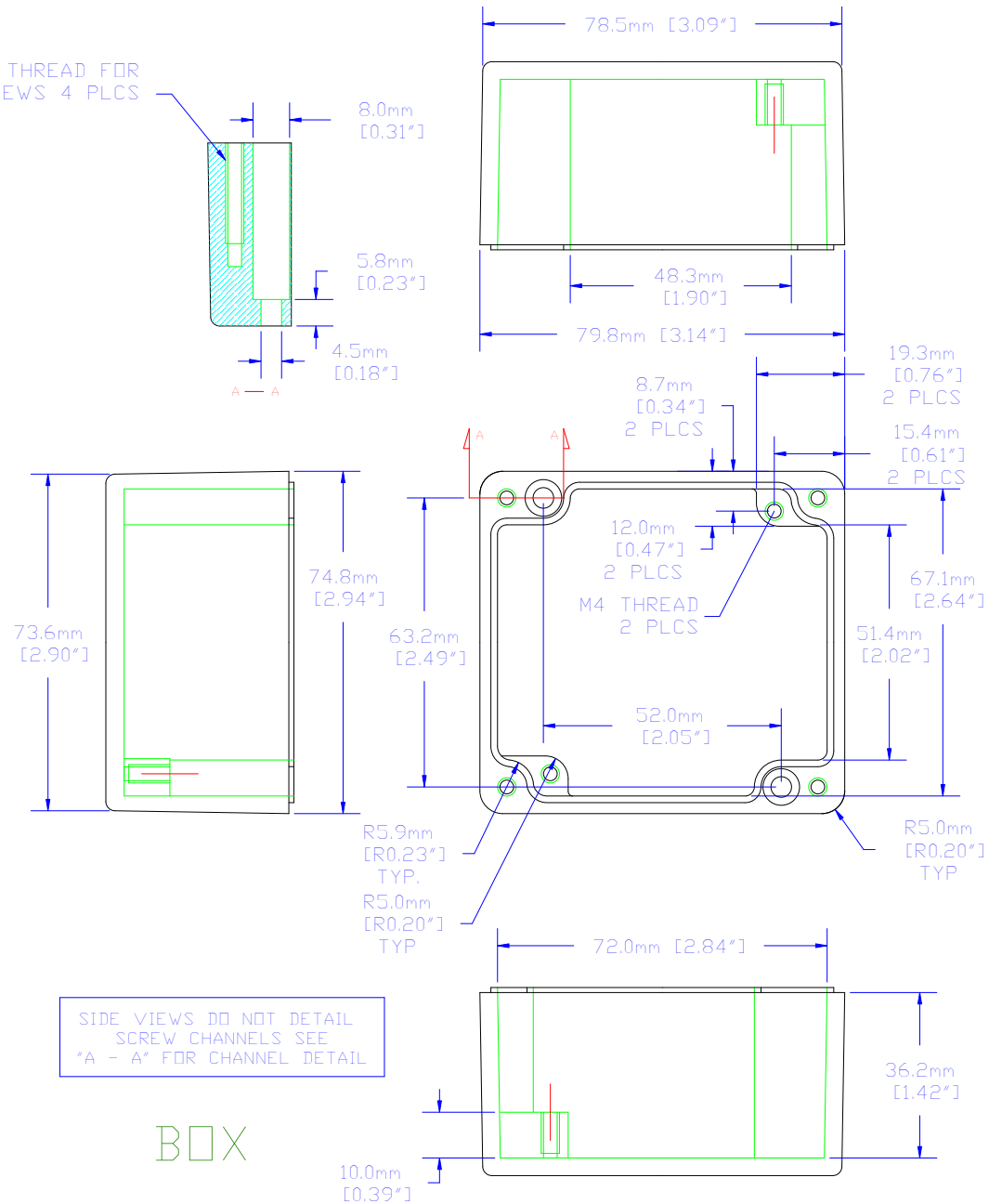
△	N/A	RELEASE	----	10/19/02	MJM
Rev	ECN	Description		Date	By

Unless otherwise spec'd dimensions are in millimeters Tolerances are:	
X	±2.5
.XX	±1.50
.XXX	±.500
.XXXX	±.1300
Holes	±.1300
Angles	±5°
⊕	⏏

Dwn	M. MERCER
Date	10/19/02
Chk	---
Mat'l	CAST ALUMINUM
Sheet	1 of 1

HAMMOND MANUFACTURING CO. LTD. Electronics Group, Waterloo, Ont. - Cheektowaga, NY	
HAMMOND 1590Z SERIES CASTED AL ENCLOSURES	
Part #	1590Z063
Dwg:	1590Z063/A

M4 THREAD FOR
LID SCREWS 4 PLCS

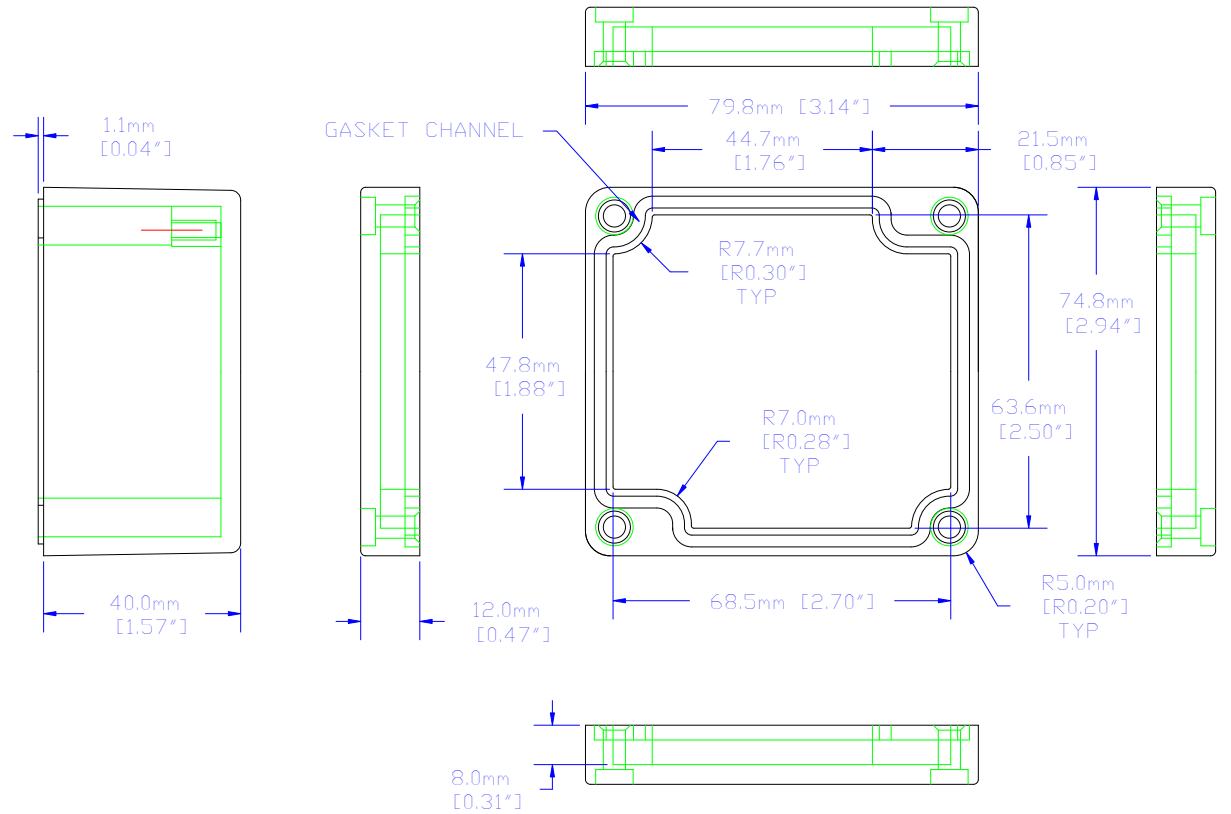


SIDE VIEWS DO NOT DETAIL
SCREW CHANNELS SEE
"A - A" FOR CHANNEL DETAIL

BOX

NOTES

DESIGNED TO MEET THE REQUIREMENTS OF IP65, & NEMA 4X
TONGUE & GROOVE CONSTRUCTION WITH A MOLDED ONE PIECE SILICON GASKET.
COMES WITH 4 STAINLESS STEEL MACHINE LID SCREWS, CAPTIVATED WITH 4 RUBBER O-RINGS.
COMES WITH 2 GROUNDING SCREWS AND WASHERS.
FINISH: NONE OR SUFFIX "BK" BLACK, OR SUFFIX "GY" GRAY (RAL 7001) POLYESTER POWDER



LID

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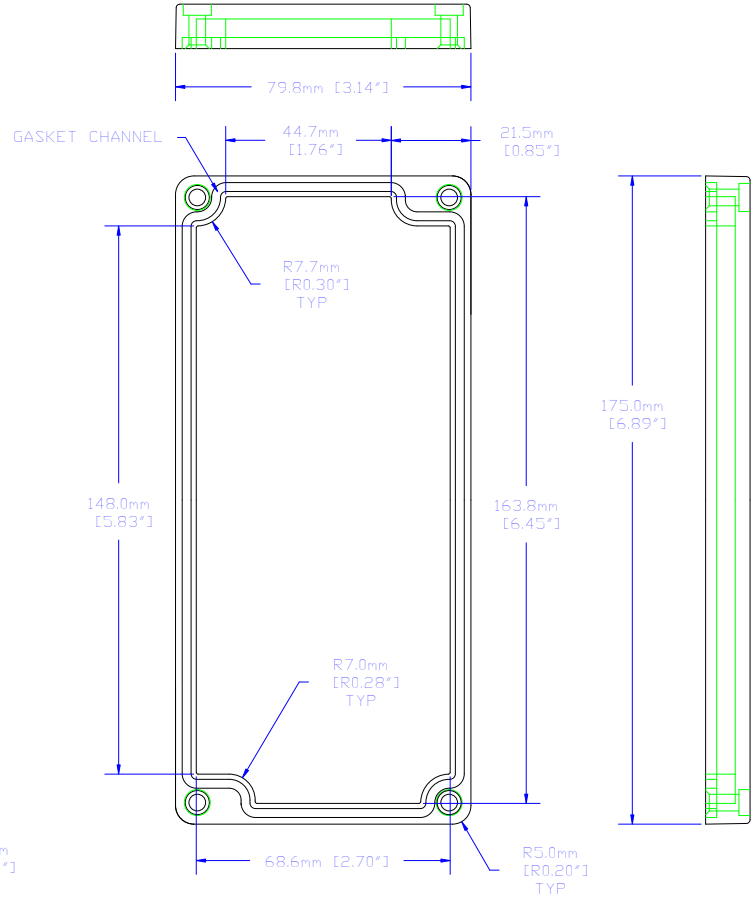
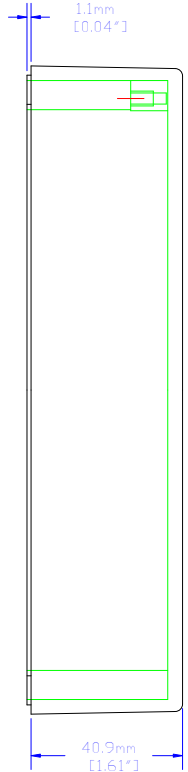
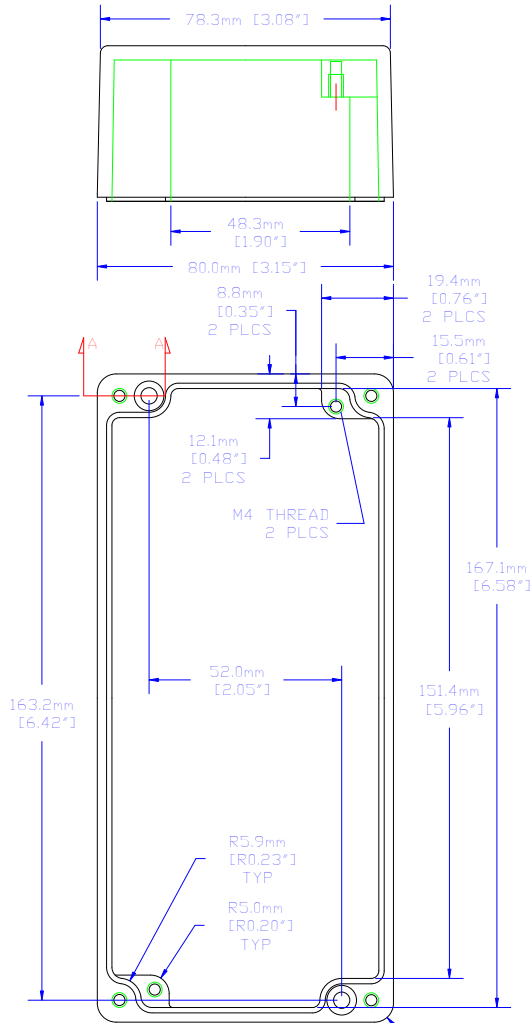
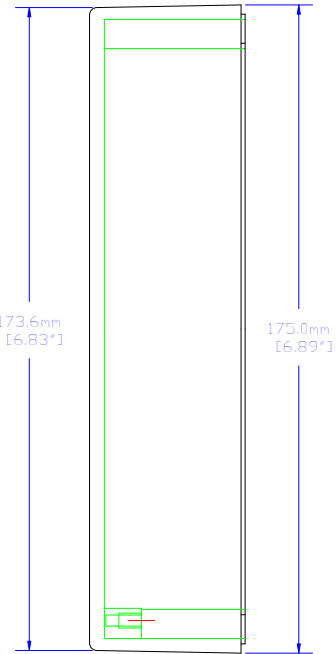
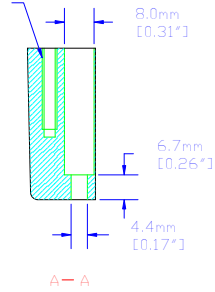
△	N/A	RELEASE	----	10/10/02	MJM
Rev	ECN	Description		Date	By

Unless otherwise spec'd dimensions are in millimeters Tolerances are:	
X	±2.5
.XX	±1.50
.XXX	±.500
.XXXX	±.1300
Holes	±.1300
Angles	±5°
⊕	⊖

Dwn	M. MERCER
Date	10/10/02
Chk	---
Mat'l	CAST ALUMINUM
Sheet	1 of 1

HAMMOND MANUFACTURING CO. LTD. Electronics Group, Waterloo, Ont. - Cheektowaga, NY	
HAMMOND 1590Z SERIES CASTED AL ENCLOSURES	
Part #	1590Z110
Dwg	1590Z110/A

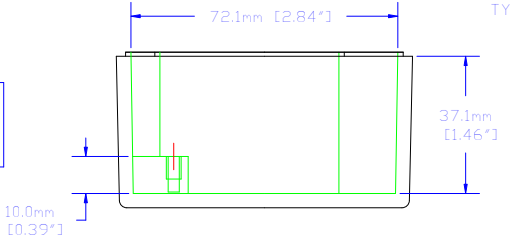
M4 THREAD FOR LID
SCREWS 4 PLACES



LID

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on legal size paper.

SIDE VIEWS DO NOT DETAIL
SCREW CHANNELS SEE
"A - A" FOR CHANNEL DETAIL



BOX

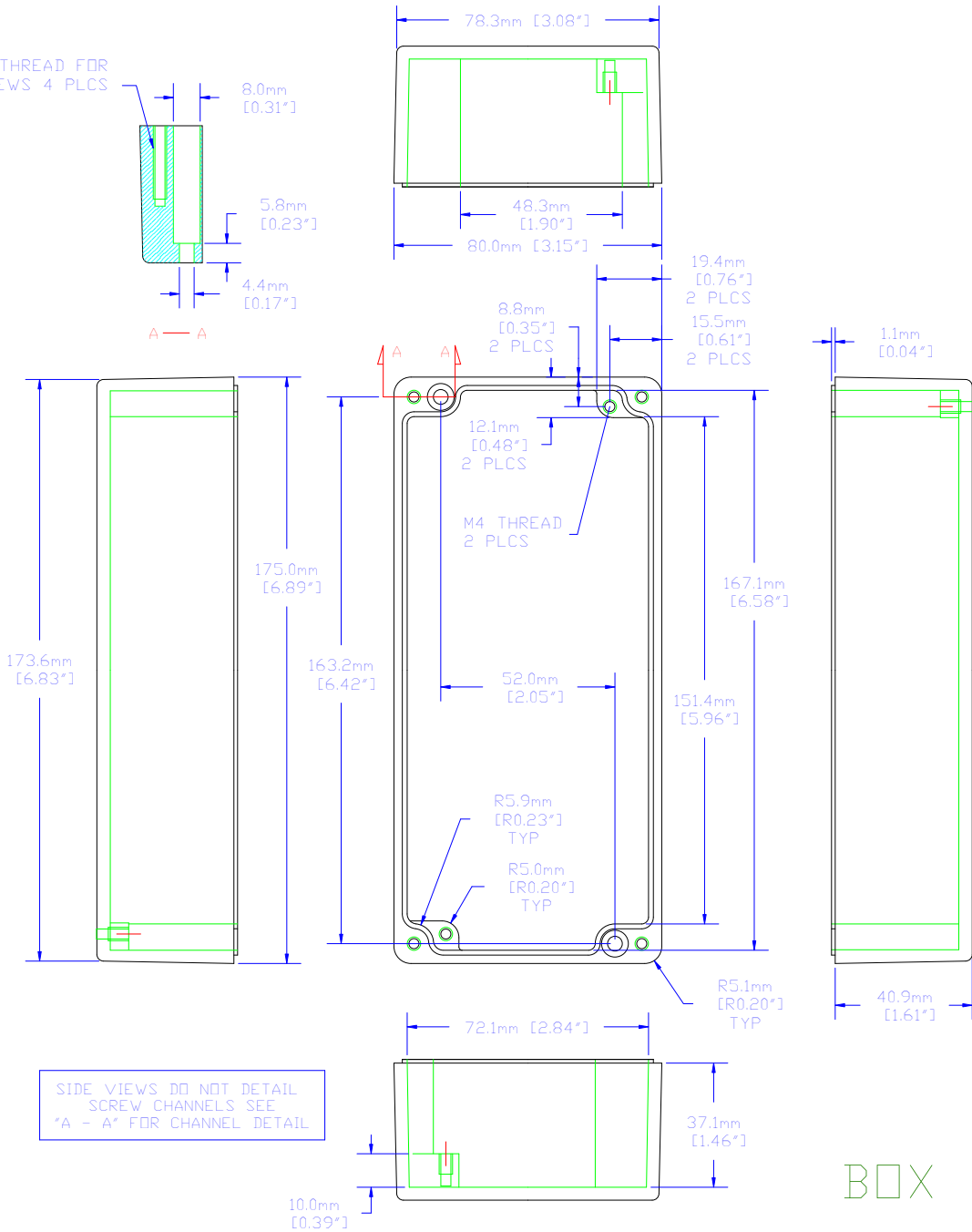
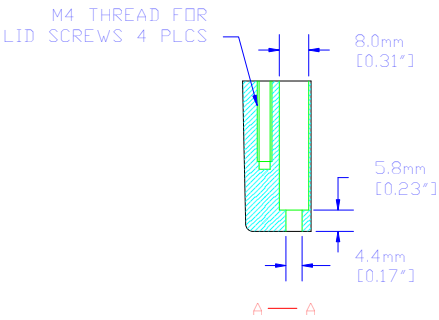
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△	N/A	RELEASE	----	10/25/02	MJM
Rev	ECN	Description		Date	By

Unless otherwise spec'd dimensions are in millimeters Tolerances are:	
X	±2.5
.XX	±1.50
.XXX	±.500
.XXXX	±.1300
Holes	±.1300
Angles	±5°
⊕	⏏

Dwn	M. MERCER
Date	10/25/02
Chk	---
Mat'l	CAST ALUMINUM
Sheet	1 of 1

HAMMOND MANUFACTURING CO. LTD. Electronics Group, Waterloo, Ont. - Cheektowaga, NY	
HAMMOND 1590Z SERIES CASTED AL ENCLOSURES	
Part #	1590Z130
Dwg	1590Z130/A



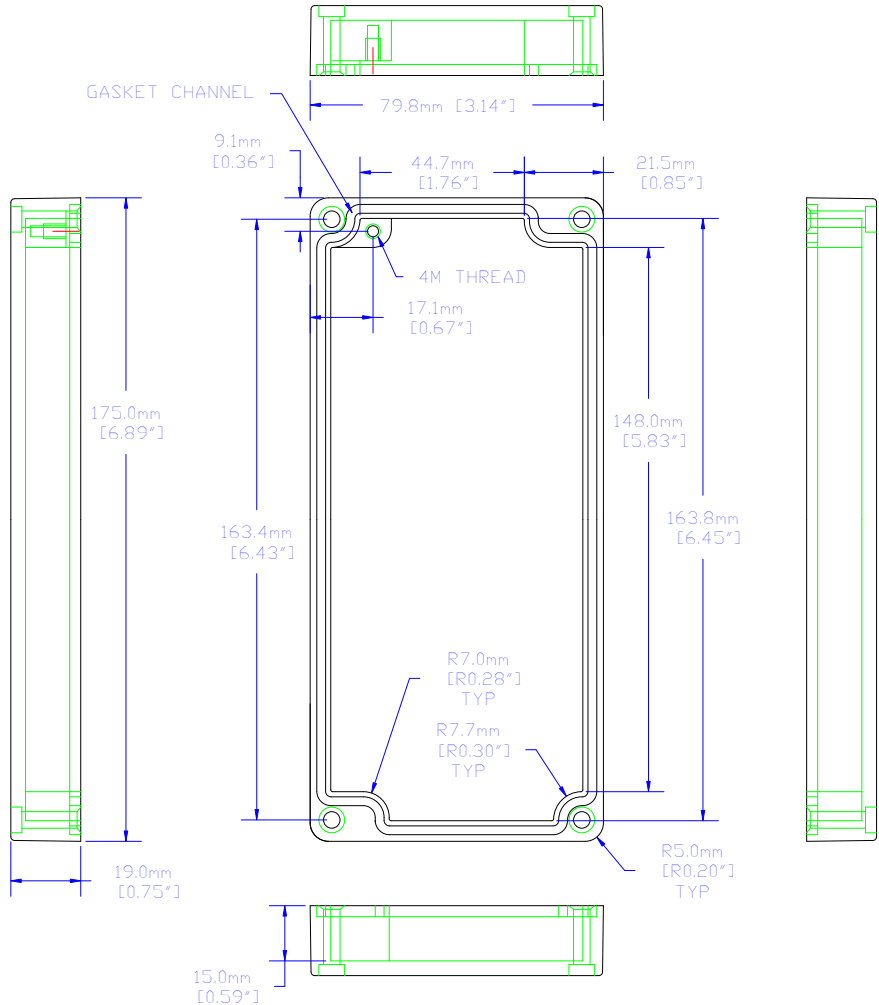
SIDE VIEWS DO NOT DETAIL SCREW CHANNELS SEE "A - A" FOR CHANNEL DETAIL

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△	N/A	RELEASE	----	10/28/02	MJM
Rev	ECN	Description		Date	By

NOTES

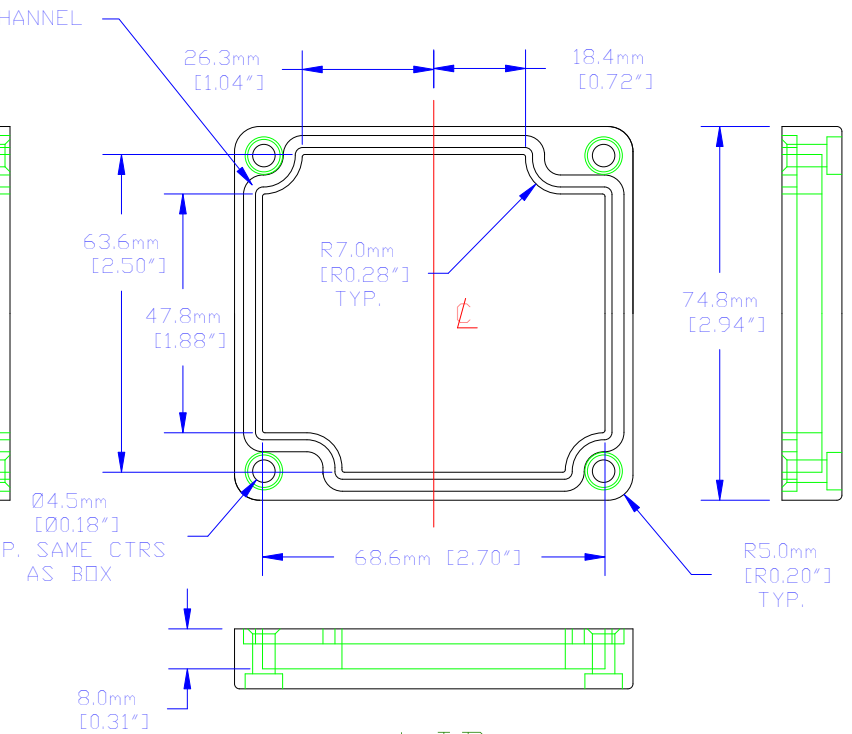
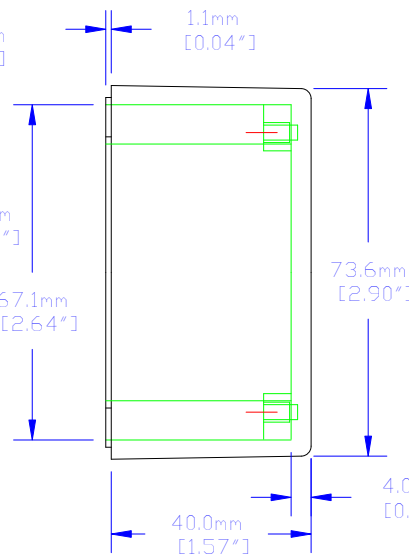
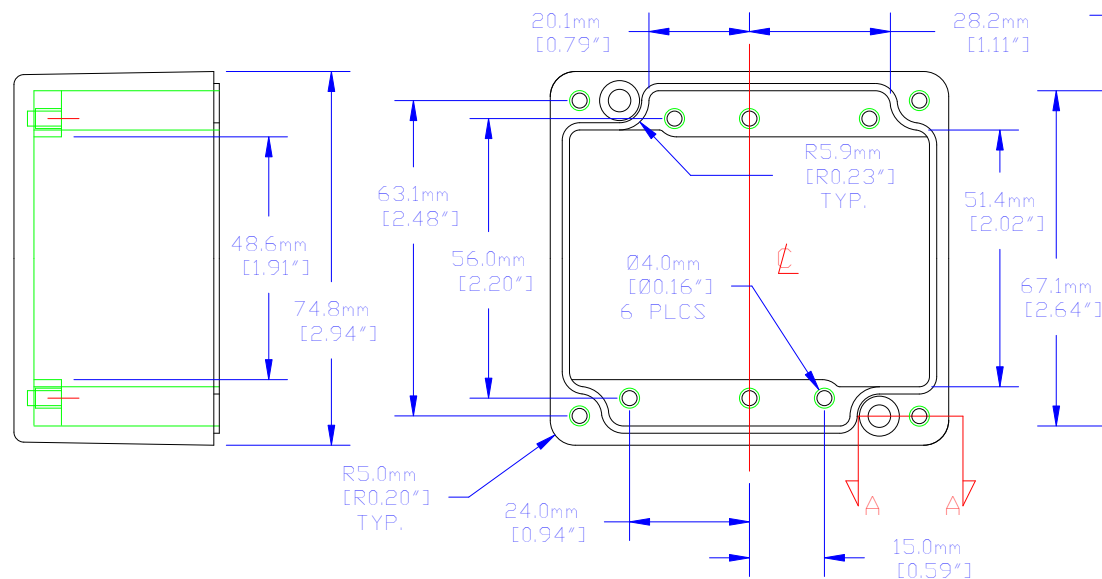
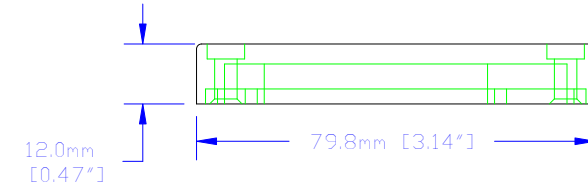
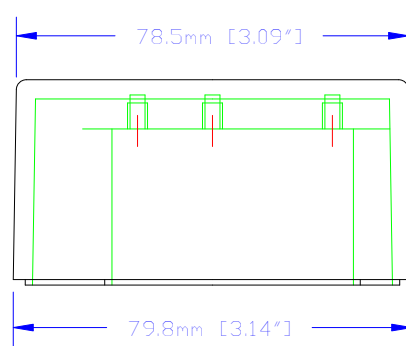
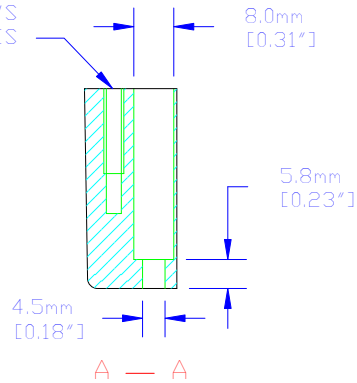
DESIGNED TO MEET THE REQUIREMENTS OF IP65, & NEMA 4X TONGUE & GROOVE CONSTRUCTION WITH A MOLDED ONE PIECE SILICON GASKET. COMES WITH 4 STAINLESS STEEL MACHINE LID SCREWS, CAPTIVATED WITH 4 RUBBER O-RINGS. COMES WITH 2 GROUNDING SCREWS AND WASHERS. FINISH: NONE OR SUFFIX "BK" BLACK, OR SUFFIX "GY" GRAY (RAL 7001) POLYESTER POWDER



For the best fit print on legal size paper.

Unless otherwise spec'd dimensions are in millimeters Tolerances are: .X ±2.5 .XX ±1.50 .XXX ±.500 .XXXX ±.1300 Holes ±.1300 Angles ±5°	Dwn	M. MERCER	 HAMMOND MANUFACTURING CO. LTD. Electronics Group, Waterloo, Ont. - Cheektowaga, NY	
	Date	10/28/02	HAMMOND 1590Z SERIES CASTED AL ENCLOSURES	
	Chk	---		
	Mat'l	CAST ALUMINUM		
 	Sheet	1 of 1	Part # 1590Z135	Dwg: 1590Z135/A

M4 THREAD
FOR LID SCREWS
4 PLACES



LID

BOX

SIDE VIEWS DO NOT DETAIL
SCREW CHANNELS SEE
"A - A" FOR CHANNEL DETAIL

6.0mm
[0.24"]

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△	N/A	RELEASE	----	09/27/02	MJM
Rev.	ECN	Description		Date	By

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millimeters Tolerances are:

.X	±2.5
.XX	±1.50
.XXX	±.500
.XXXX	±.1300
Holes	±.1300
Angles	±.5°



Dwn	M. MERCER
Date	09/27/02
Chk	---
Mat'l	CAST ALUMINUM
Sheet	1 of 1

 HAMMOND MANUFACTURING CO. LTD.
Electronics Group, Waterloo, Ont. - Cheektowaga, NY

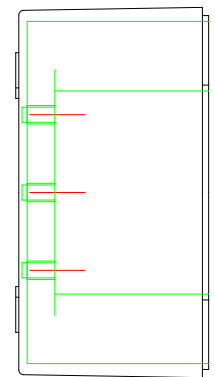
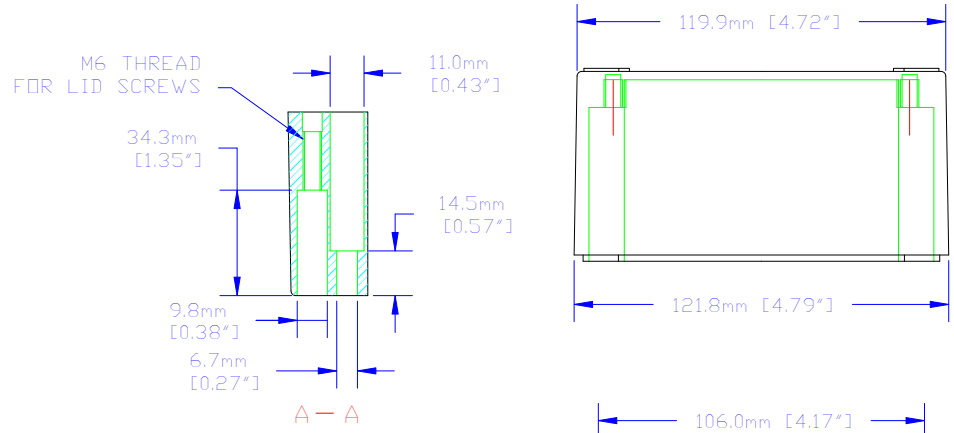
HAMMOND 1590Z SERIES
CASTED AL ENCLOSURES

Part #: 1590Z100 Dwg: 1590Z100/A

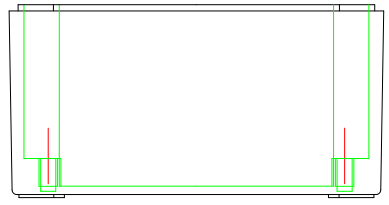
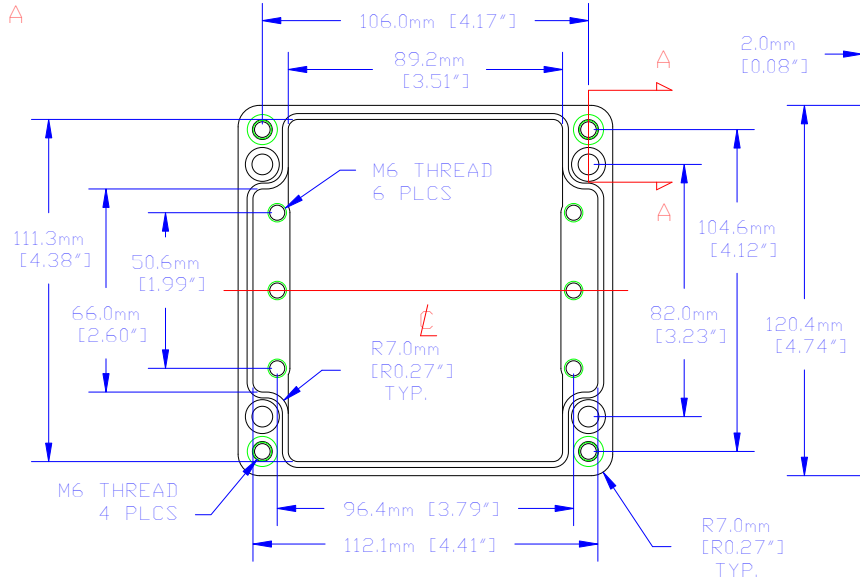
For the best fit print
on legal size paper.

NOTES

DESIGNED TO MEET THE REQUIREMENTS OF IP65, & NEMA 4X
TONGUE & GROOVE CONSTRUCTION WITH A MOLDED ONE PIECE SILICON GASKET.
COMES WITH 4 STAINLESS STEEL MACHINE LID SCREWS, CAPTIVATED WITH 4 RUBBER O-RINGS.
COMES WITH 4 GROUNDING SCREWS AND WASHERS.
FINISH: NONE OR SUFFIX "BK" BLACK, OR SUFFIX "GY" GRAY (RAL 7001) POLYESTER POWDER



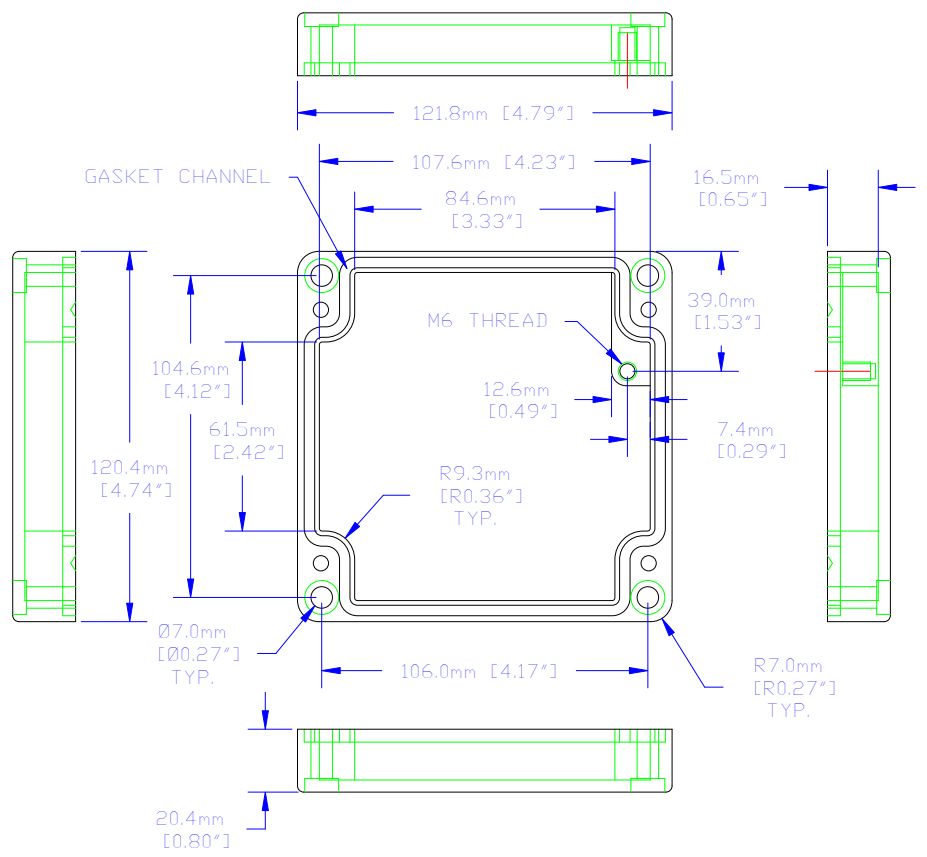
SIDE VIEWS DO NOT DETAIL
SCREW CHANNELS SEE
"A - A" FOR CHANNEL DETAIL



BOX

NOTES

DESIGNED TO MEET THE REQUIREMENTS OF IP65, & NEMA 4X
TONGUE & GROOVE CONSTRUCTION WITH A MOLDED ONE PIECE SILICON GASKET.
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FINISH: NONE OR SUFFIX "BK" BLACK, OR SUFFIX "GY" GRAY (RAL 7001) POLYESTER POWDER



LID

For the best fit print
on legal size paper.

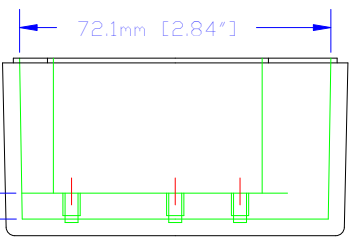
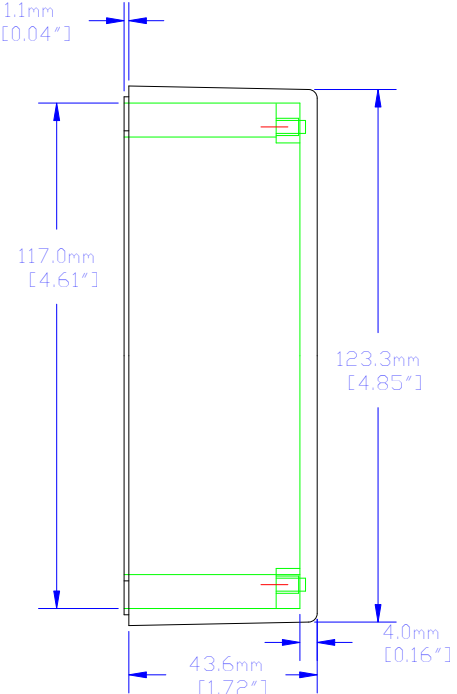
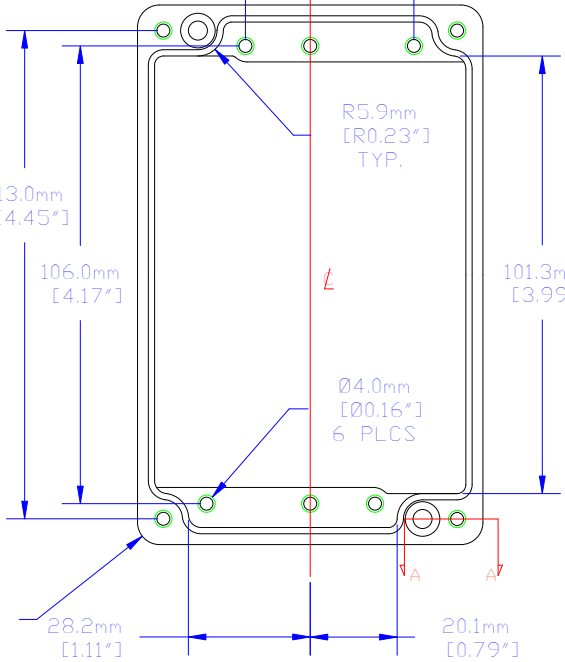
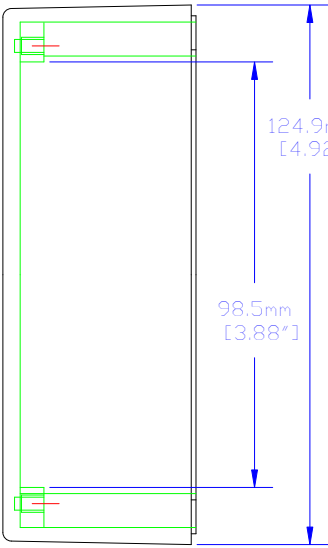
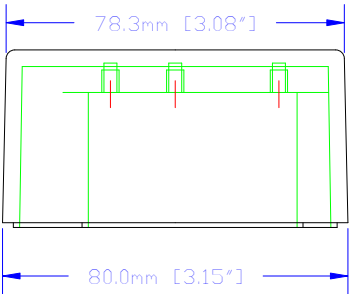
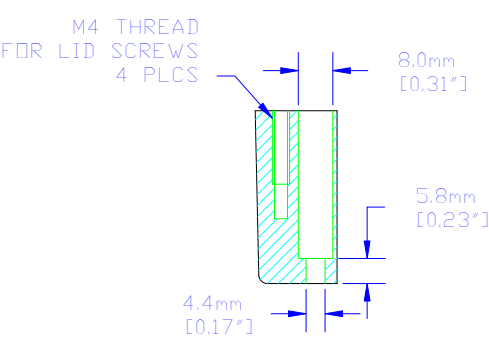
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Rev	N/A	RELEASE	----	09/28/02	MJM
Rev	ECN	Description		Date	By

Unless otherwise spec'd dimensions are in millimeters Tolerances are:		Dwn	M. MERCER
.X	±2.5	Date	09/28/02
.XX	±1.50	Chk	---
.XXX	±.500	Mat'l	CAST ALUMINUM
.XXXX	±.1300	Sheet	1 of 1
Holes	±.1300	Part #	1590Z119
Angles	±.5°	Dwg	1590Z119/A

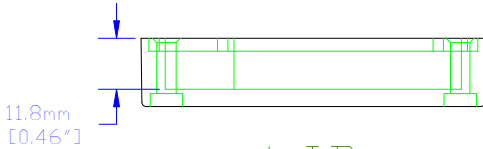
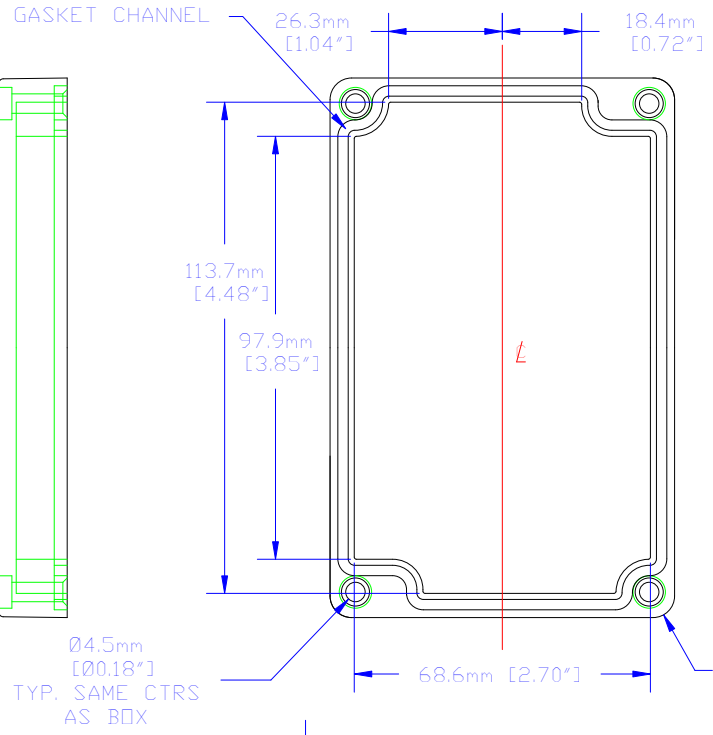
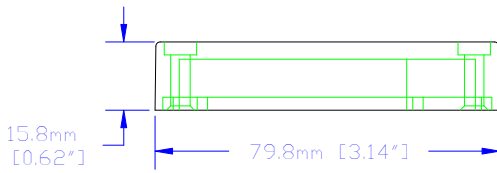
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Electronics Group, Waterloo, Ont. - Cheektowaga, NY

HAMMOND 1590Z SERIES
CASTED AL ENCLOSURES



BOX

NOTES
DESIGNED TO MEET THE REQUIREMENTS OF IP65, & NEMA 4X
TONGUE & GROOVE CONSTRUCTION WITH A MOLDED ONE PIECE SILICON GASKET.
COMES WITH 4 STAINLESS STEEL MACHINE LID SCREWS, CAPTIVATED WITH 4 RUBBER O-RINGS.
COMES WITH 4 GROUNDING SCREWS AND WASHERS.
FINISH: NONE OR SUFFIX "BK" BLACK, OR SUFFIX "GY" GRAY (RAL 7001) POLYESTER POWDER



LID

For the best fit print on legal size paper.

SIDE VIEWS DO NOT DETAIL
SCREW CHANNELS SEE
"A - A" FOR CHANNEL DETAIL

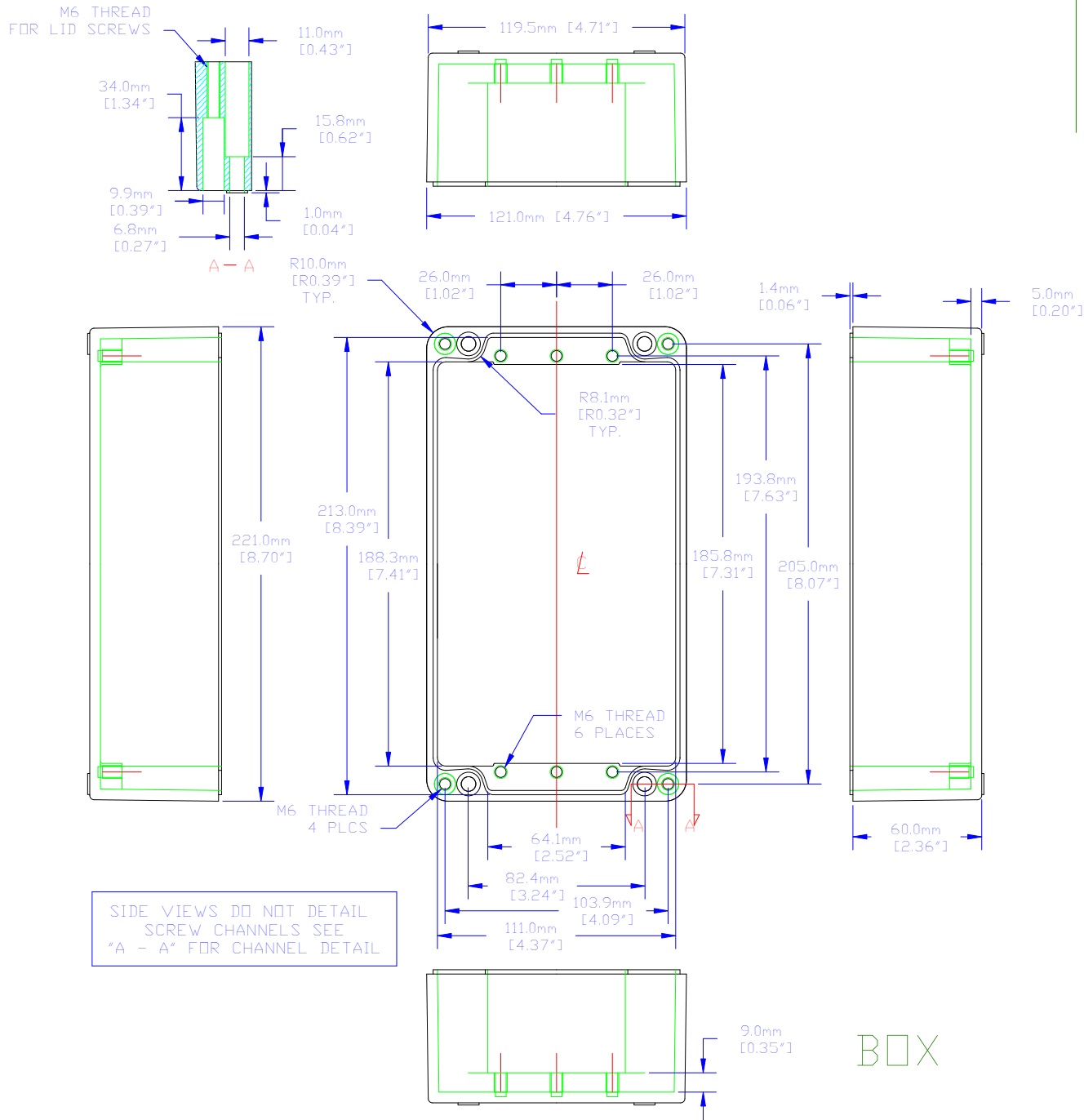
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△	N/A	RELEASE	----	09/29/02	MJM
Rev	ECN	Description		Date	By

Unless otherwise spec'd dimensions are in millimeters Tolerances are:	
.X	±2.5
.XX	±1.50
.XXX	±.500
.XXXX	±.1300
Holes	±.1300
Angles	±.5°

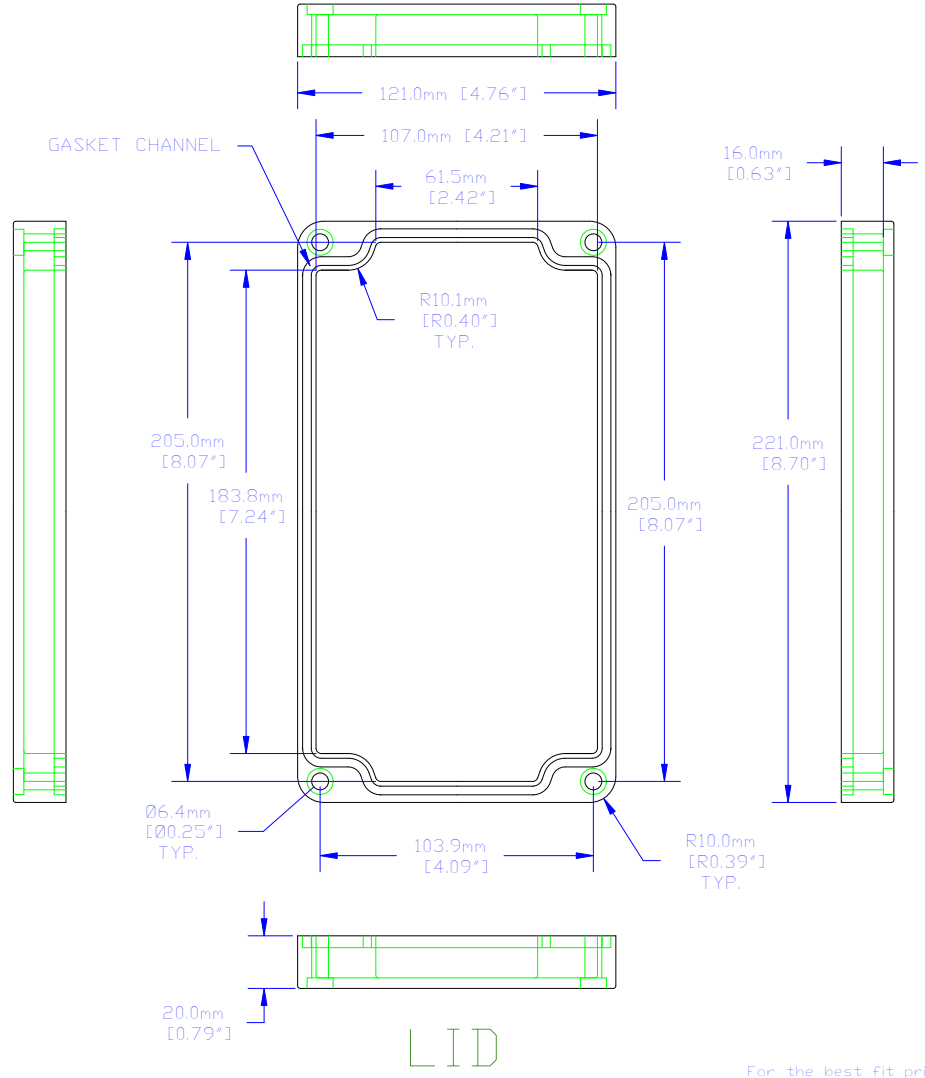
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Date	09/29/02
Chk	---
Mat'l	CAST ALUMINUM
Sheet	1 of 1

HAMMOND MANUFACTURING CO. LTD. Electronics Group, Waterloo, Ont. - Cheektowaga, NY	
HAMMOND 1590Z SERIES CASTED AL ENCLOSURES	
Part #	1590Z120
Dwg	1590Z120/A



NOTES

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TONGUE & GROOVE CONSTRUCTION WITH A MOLDED ONE PIECE SILICON GASKET.
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COMES WITH 4 GROUNDING SCREWS AND WASHERS.
FINISH: NONE OR SUFFIX "BK" BLACK, OR SUFFIX "GY" GRAY (RAL 7001) POLYESTER POWDER



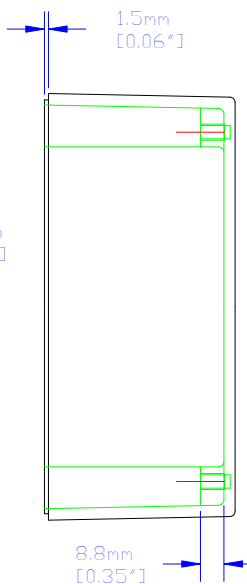
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△	N/A	RELEASE	----	10/01/02	MJM
Rev	ECN	Description		Date	By

Unless otherwise spec'd dimensions are in millimeters Tolerances are:	
.X	±2.5
.XX	±1.50
.XXX	±.500
.XXXX	±.100
Holes	±.1300
Angles	±.5°

Dwn	M. MERCER
Date	10/01/02
Chk	---
Mat'l	CAST ALUMINUM
Sheet	1 of 1

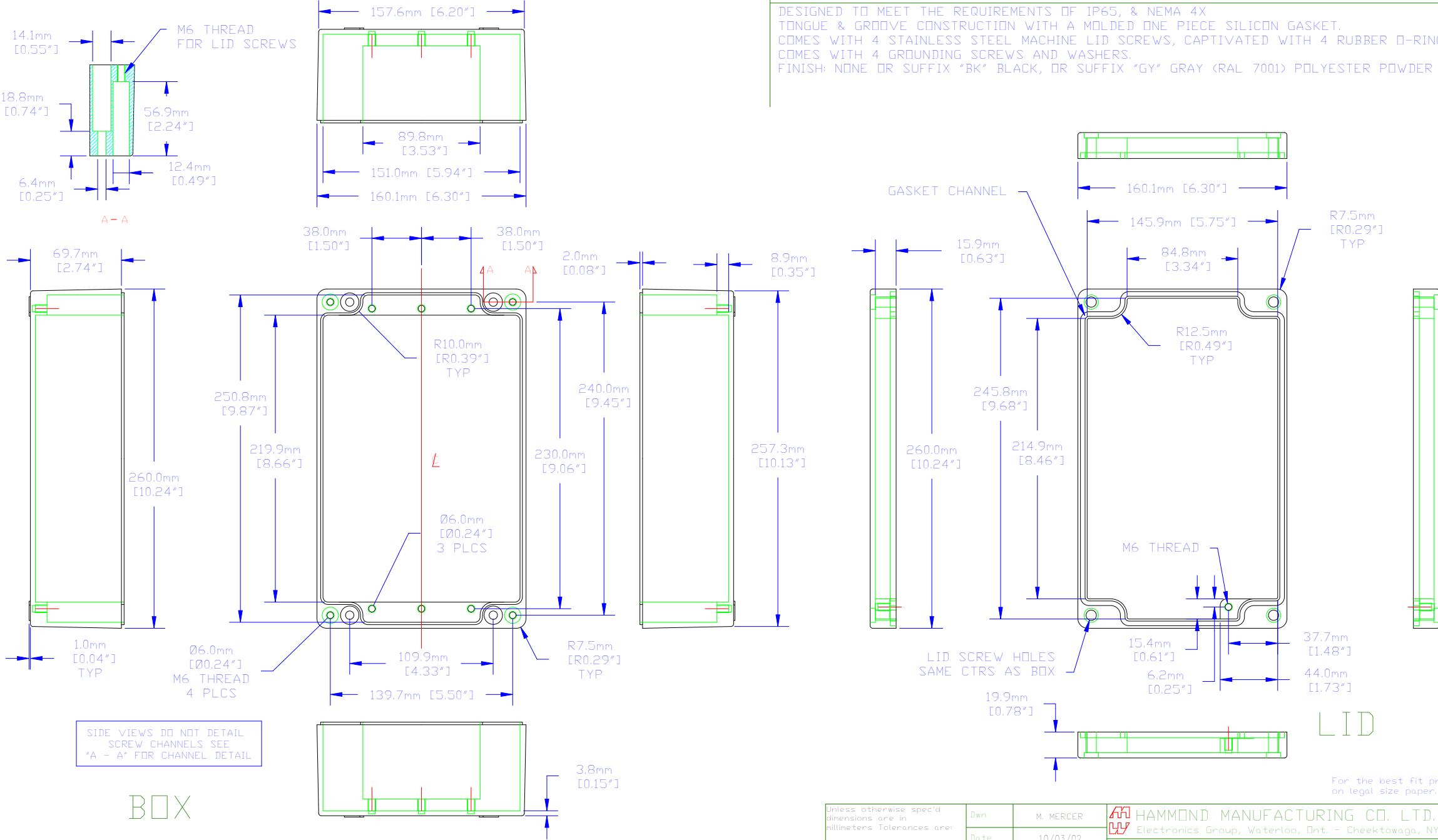
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HAMMOND 1590Z SERIES CASTED AL ENCLOSURES	
Part #	1590Z150
Dwg	1590Z150/A



Dwg: 1590Z160/A

NOTES

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TONGUE & GROOVE CONSTRUCTION WITH A MOLDED ONE PIECE SILICON GASKET.
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COMES WITH 4 GROUNDING SCREWS AND WASHERS.
FINISH: NONE OR SUFFIX "BK" BLACK, OR SUFFIX "GY" GRAY (RAL 7001) POLYESTER POWDER



SIDE VIEWS DO NOT DETAIL
SCREW CHANNELS SEE
A - A FOR CHANNEL DETAIL

BOX

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Rev.	ECN	Description		Date	By

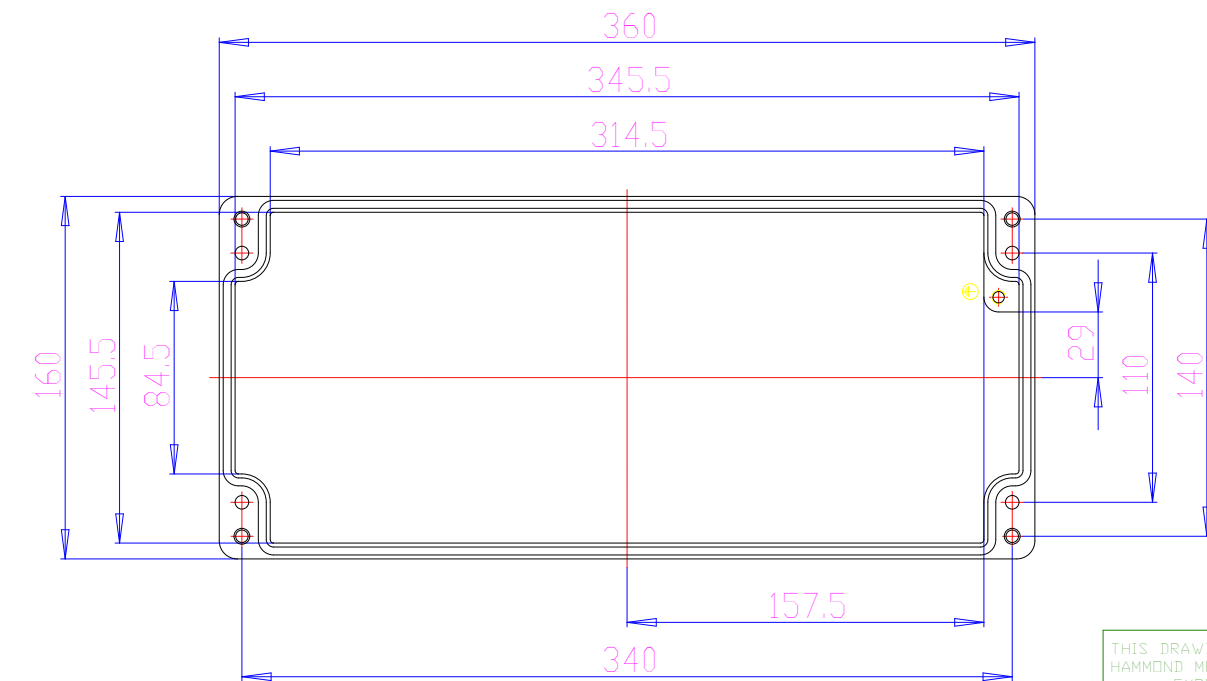
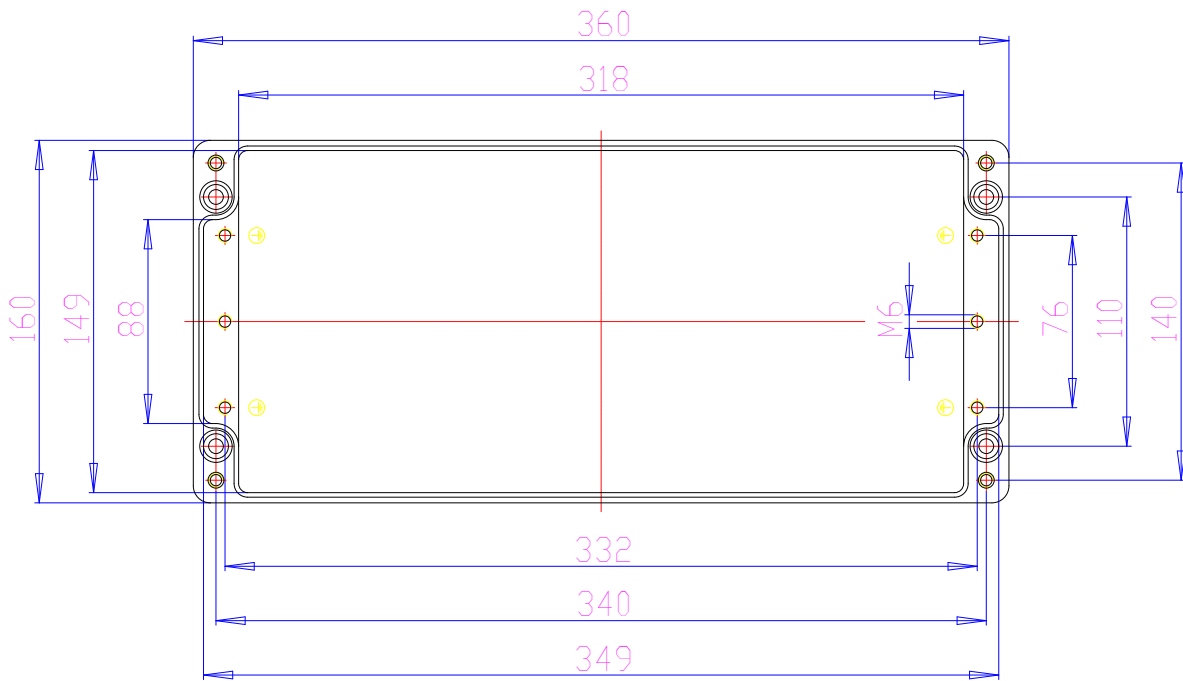
Unless otherwise spec'd
dimensions are in
millimeters Tolerances are:

.X	±2.5
.XX	±1.50
.XXX	±.500
.XXXX	±.1300
Holes	±.1300
Angles	±.5°



Dwn	M. MERCER
Date	10/03/02
Chk	---
Mat'l	CAST ALUMINUM
Sheet	1 of 1

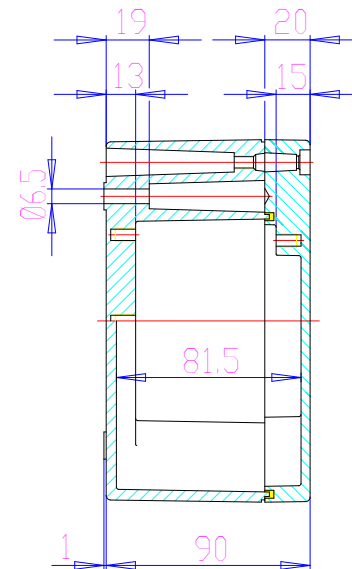
HAMMOND MANUFACTURING CO. LTD. Electronics Group, Waterloo, Ont. - Cheektowaga, NY	
HAMMOND 1590Z SERIES CASTED AL ENCLOSURES	
Part #	1590Z162
Dwg:	1590Z162/A



NOTES

DESIGNED TO MEET THE REQUIREMENTS OF IP65, & NEMA 4X
TONGUE & GROOVE CONSTRUCTION WITH A MOLDED ONE PIECE SILICON GASKET.
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COMES WITH 4 GROUNDING SCREWS AND WASHERS.
FINISH: NONE OR SUFFIX "BK" BLACK, OR SUFFIX "GY" GRAY (RAL 7001) POLYESTER POWDER PAINT.

L I



B O X

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Electronics Group, Waterloo, Ont. - Cheektowaga, NY

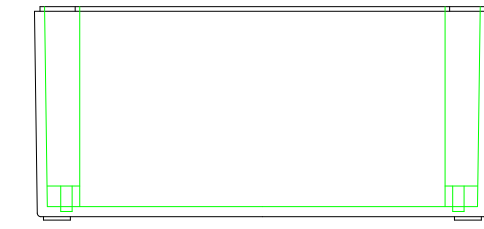
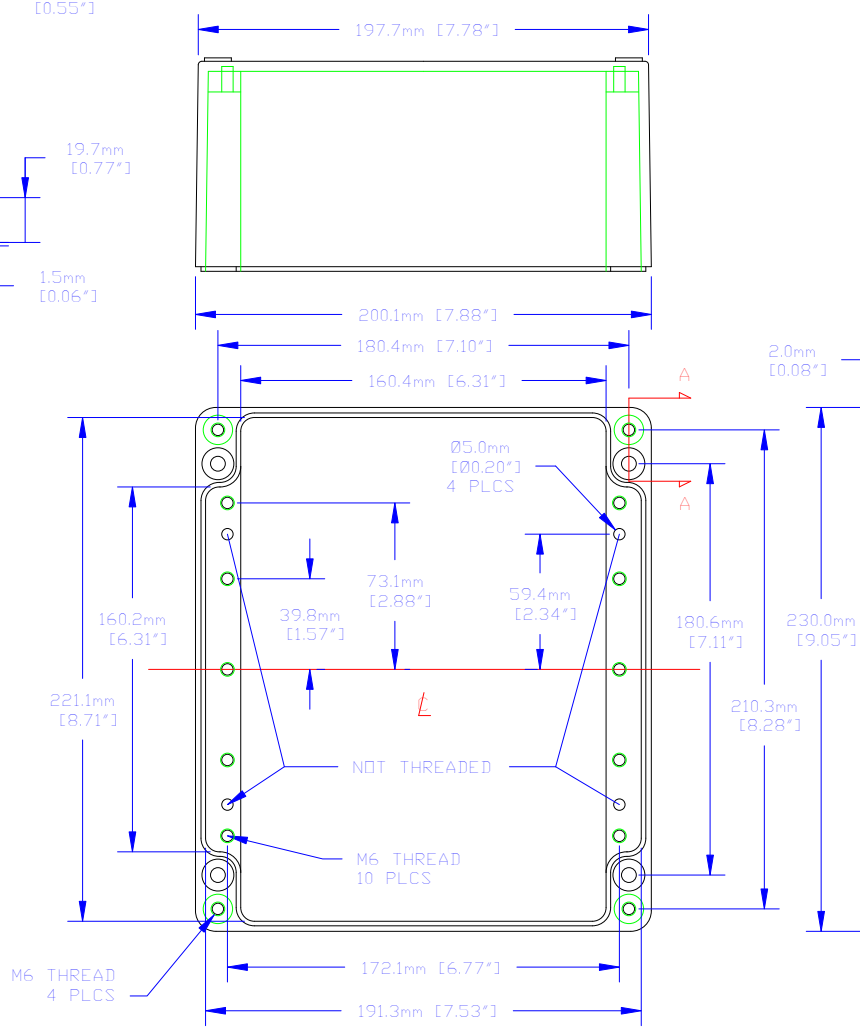
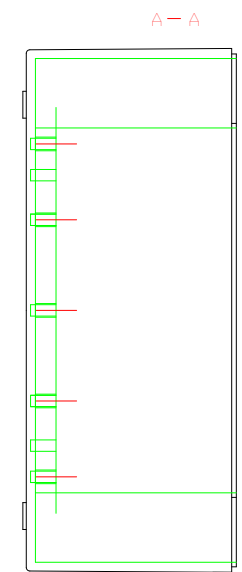
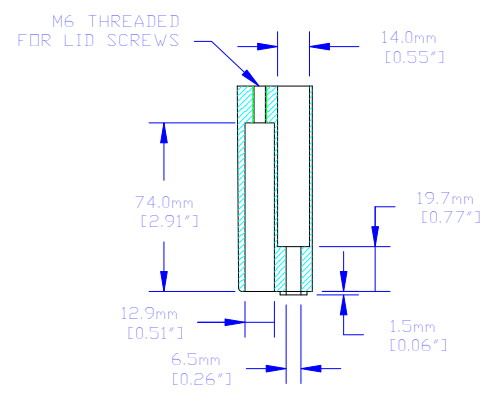
HAMMOND 1590Z SERIES
CASTED AL ENCLOSURES

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Mat'l	CAST ALUMINUM
Sheet	1 of 1

Part#: 1590Z166

Dwg: 1590Z166



BOX

NOTES

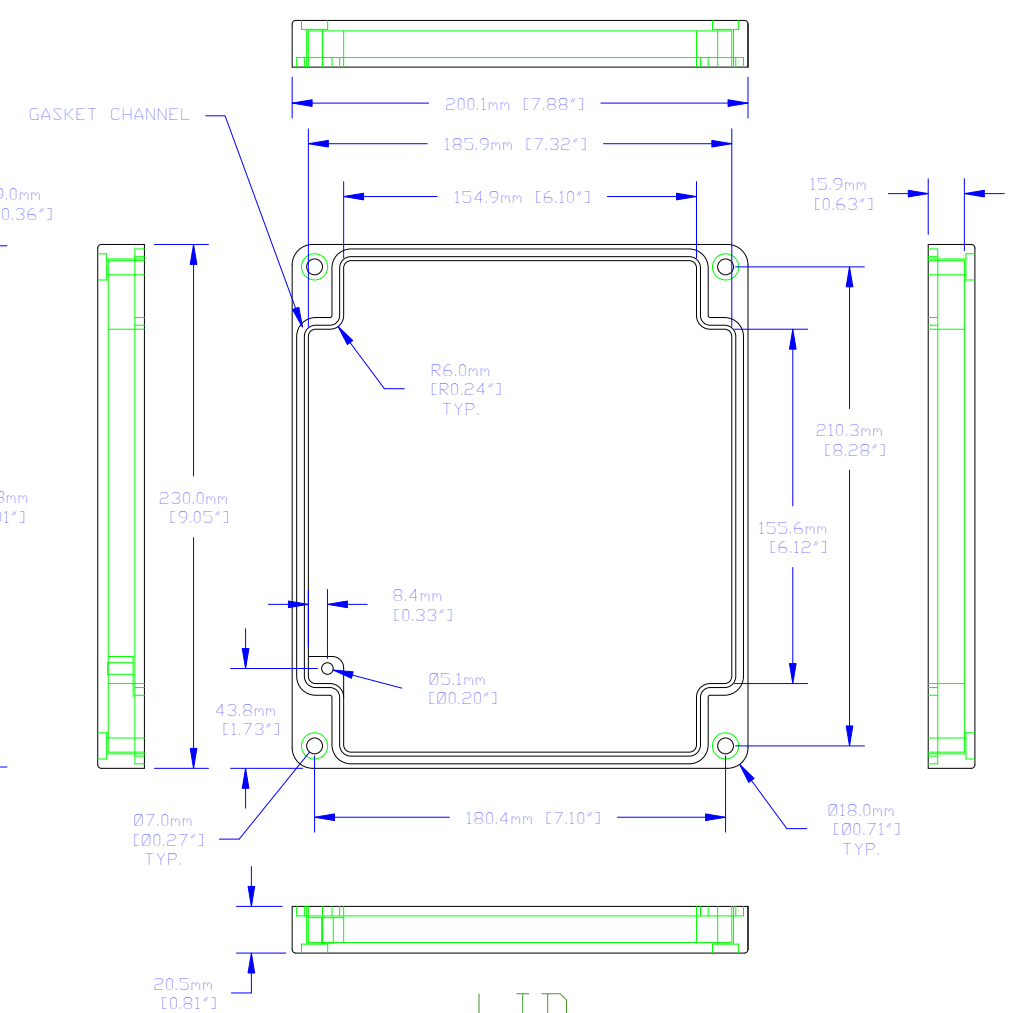
DESIGNED TO MEET THE REQUIREMENTS OF IP65, & NEMA 4X

TONGUE & GROOVE CONSTRUCTION WITH A MOLDED ONE PIECE SILICON GASKET.

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COMES WITH 4 GROUNDING SCREWS AND WASHERS.

FINISH: NONE OR SUFFIX "BK" BLACK, OR SUFFIX "GY" GRAY (RAL 7001) POLYESTER POWDER



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Rev	N/A	RELEASE	----	09/27/02	MJM
ECN		Description		Date	By

Unless otherwise spec'd dimensions are in millimeters Tolerances are:	
.XX	±2.5
.XXX	±1.50
.XXXX	±1.500
Holes	±1.300
Angles	±.5°

Dwn	M. MERCER
Date	09/27/02
Chk	---
Mat'l	CAST ALUMINUM
Sheet	1 of 1

HAMMOND MANUFACTURING CO. LTD. Electronics Group, Waterloo, Ont. - Cheektowaga, NY	
HAMMOND 1590Z SERIES CASTED AL ENCLOSURES	
Part #	1590Z231
Dwg	1590Z231/A