

Wave II Series

Sizes: 18.5", 19", 21.5", 24", 27" & 32"



NORTH INVENT



Mounting Options

The Wave II Monitors are a series of well-designed, rugged LED displays with full glass front and PCAP multitouch option.

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WAVE II MOUNTING OPTIONS



Page 3-4
MON



Page 5-6
MON & HIN



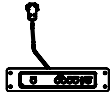
Page 7-8
MON & HIN & HMI



Page 9-10
MON & HIN & ext. HMI



Page 19
Wall Mount Bracket



Page 23-24
HMI



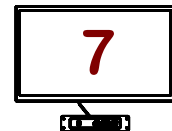
Page 11-12
MON & PAN & HMI



Page 13-14
MON & PAN



Page 15-16
MON & PAN & ext. HMI



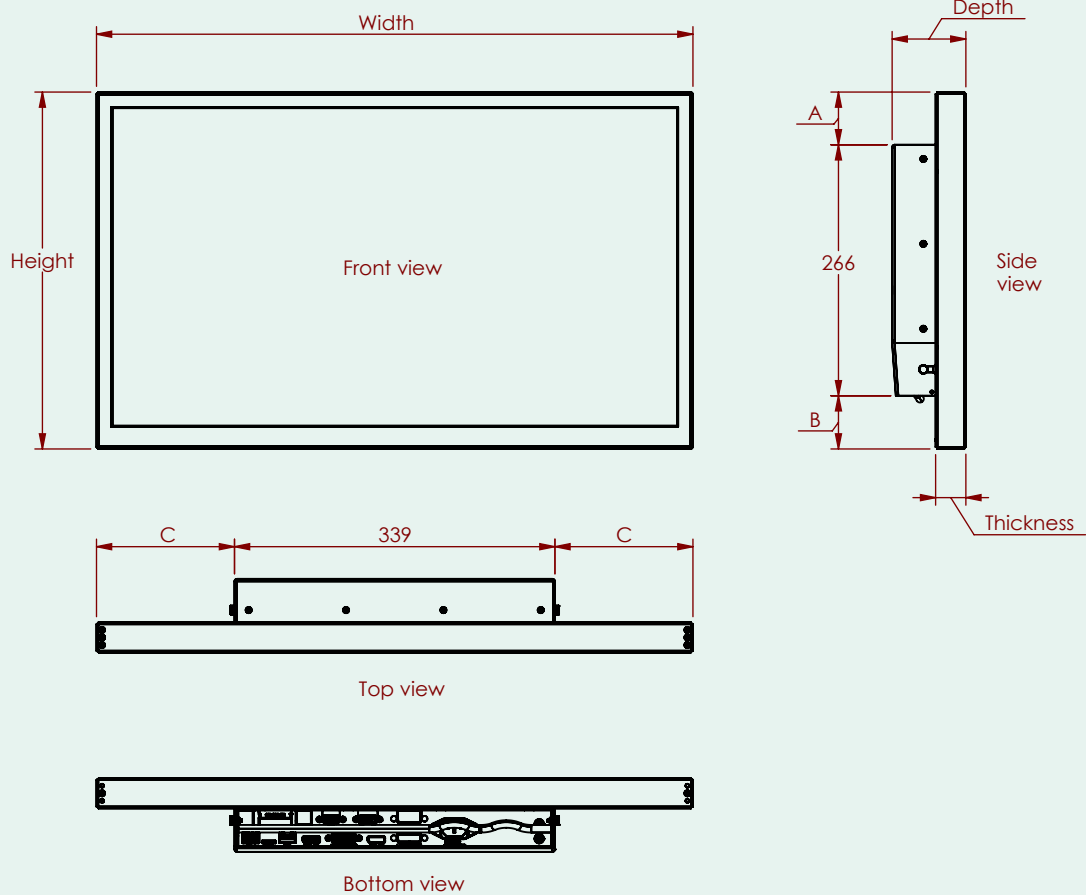
Page 17-18
MON & ext. HMI



Page 20
Bracket

WAVE II MOUNTING OPTIONS

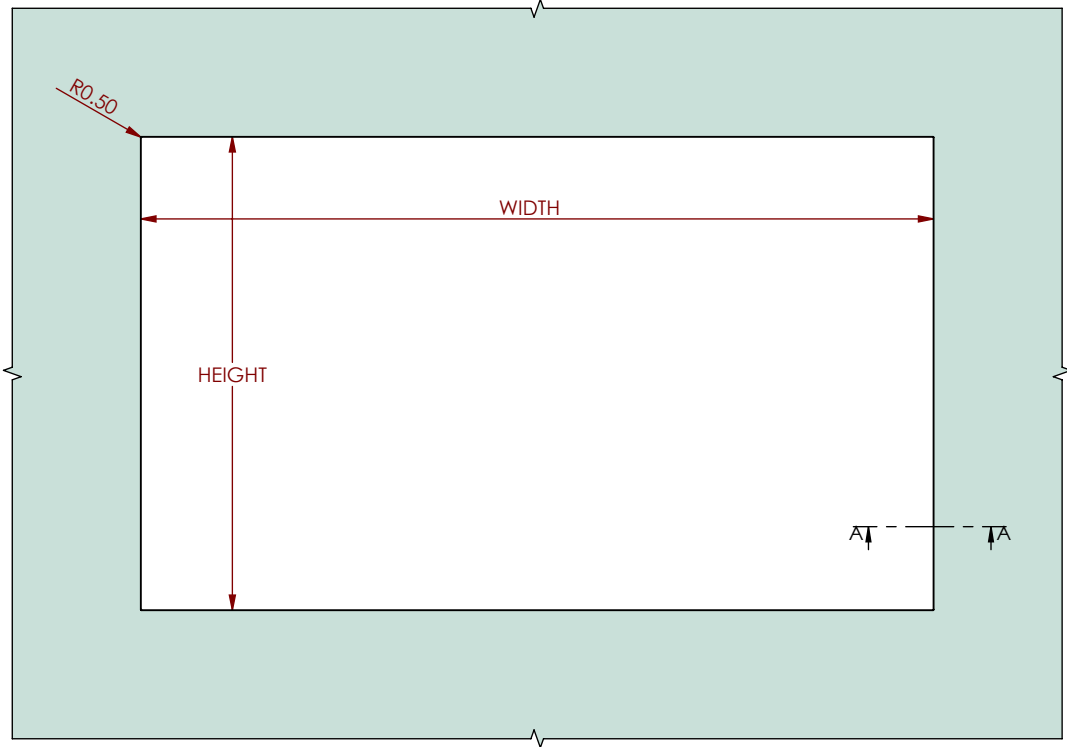
CONFIGURATION 0 Monitor only (MON)



SIZE	WIDTH	HEIGHT	DEPTH	THICKN.	A	B	C
18.5"	448.4	272.6	78	32	3.3	3.8	54.7
19"	414	342.0	78	32	38.0	38.5	37.5
21.5"	513.6	310.6	78	32	22.3	22.8	87.3
24"	574	341.0	78	32	37.5	38	117.5
27"	631	377.6	78	32	55.8	56.3	146
32"	743.4	447.9	79	33	91.0	91.4	202.2

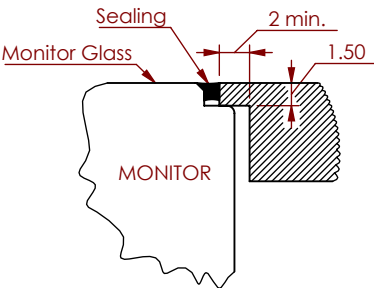
WAVE II MOUNTING OPTIONS

CONFIGURATION 0 Cut-out



SIZE	WIDTH	HEIGHT
18.5"	446.4	270.6
19"	412	340.0
21.5"	511.6	308.6
24"	572	339.0
27"	629	375.6
32"	741.4	445.9

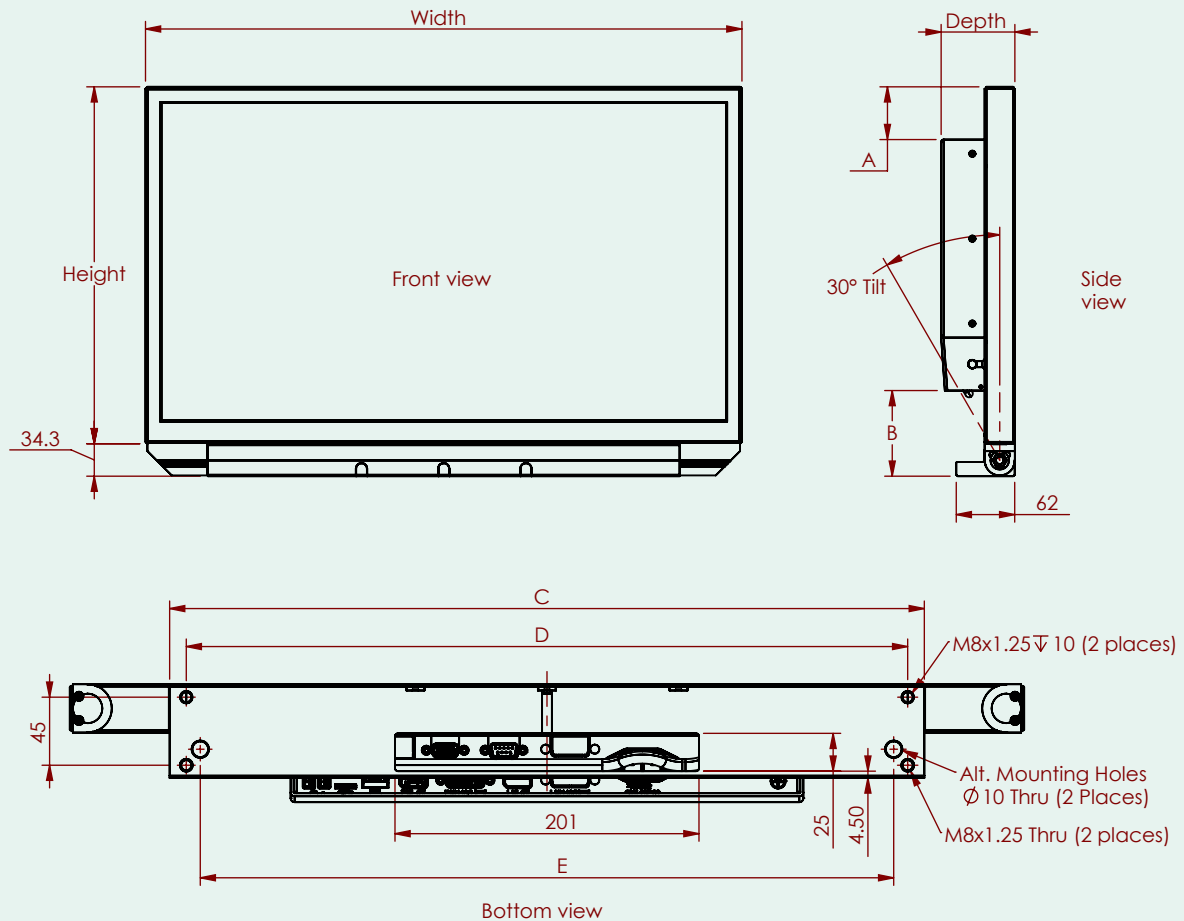
MOUNTING DETAIL FOR MAX. IP RATING.



SECTION A-A
SCALE 2 : 1

WAVE II MOUNTING OPTIONS

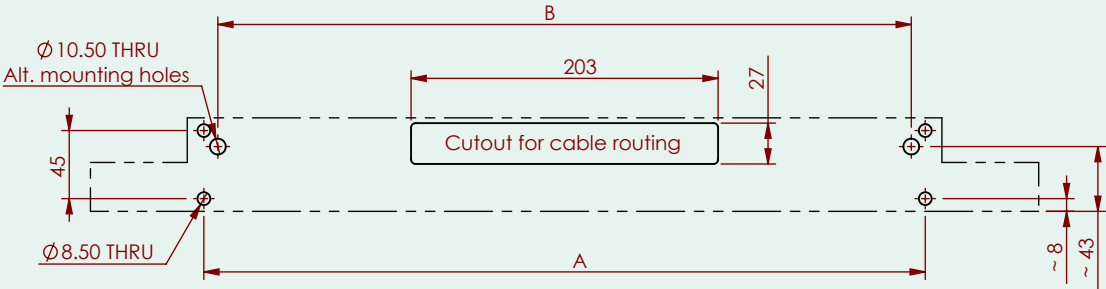
CONFIGURATION 1 Monitor with Hinge (MON & HIN)



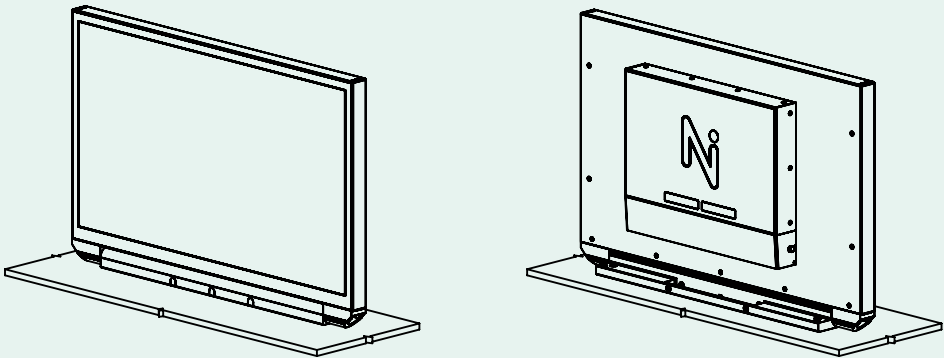
SIZE	WIDTH	HEIGHT	DEPTH	A	B	C	D	E
18.5"	448.4	272.6	78	3.3	3.8	316.4	294.4	275.9
19"	414	342.0	78	38.0	38.5	282	260	241.5
21.5"	513.6	310.6	78	22.3	22.8	381.6	359.6	341.1
24"	574	341.0	78	37.5	38	442	420	401.5
27"	631	377.6	78	55.8	56.3	499	477	458.5
32"	743.4	447.9	79	91.0	91.4	611.4	589.4	570.9

WAVE II MOUNTING OPTIONS

CONFIGURATION 1
Foot-Print



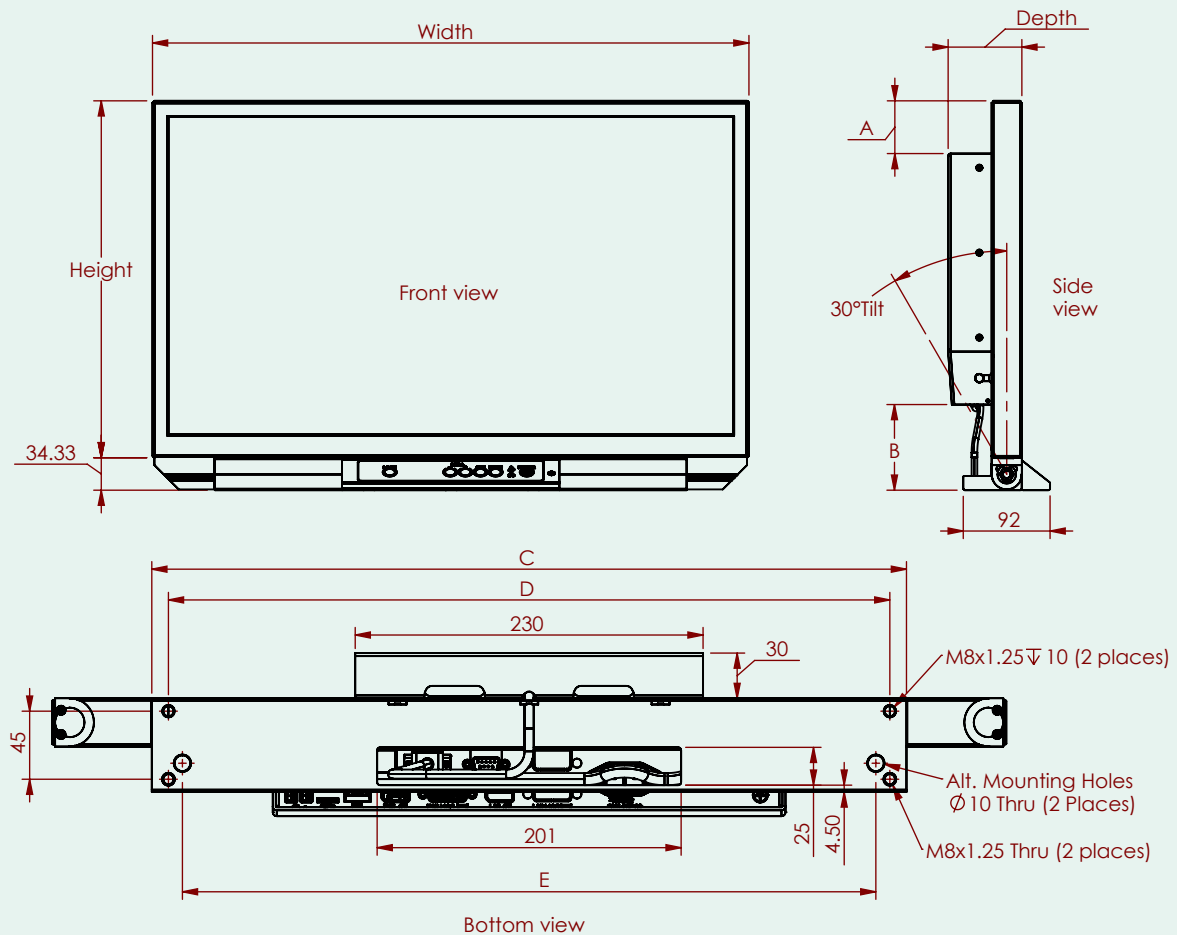
SIZE	A	B
18.5"	294.4	275.9
19"	260	241.5
21.5"	359.6	341.1
24"	420	401.5
27"	477	458.5
32"	589.4	570.9



WAVE II MOUNTING OPTIONS

CONFIGURATION 2

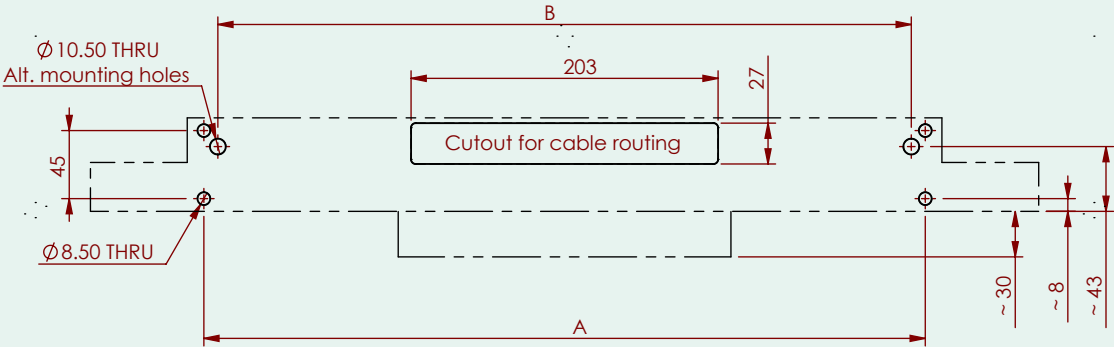
Monitor with Hinge & Integrated Human Interface Module (MON & HIN & HMI)



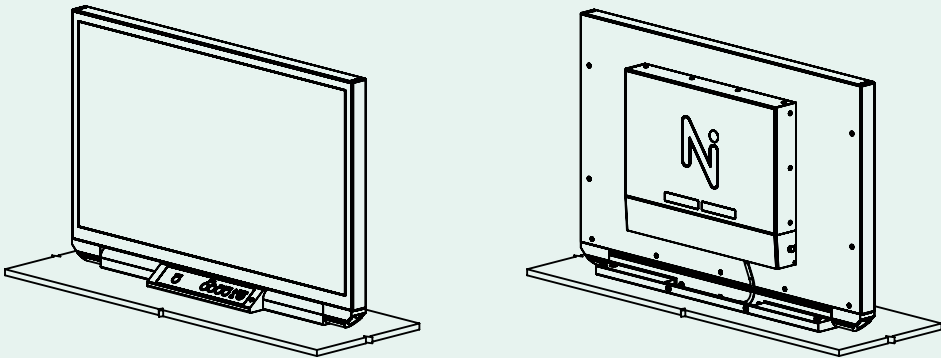
SIZE	WIDTH	HEIGHT	DEPTH	A	B	C	D	E
18.5"	448.4	272.6	78	3.3	3.8	316.4	294.4	275.9
19"	414	342.0	78	38.0	38.5	282	260	241.5
21.5"	513.6	310.6	78	22.3	22.8	381.6	359.6	341.1
24"	574	341.0	78	37.5	38	442	420	401.5
27"	631	377.6	78	55.8	56.3	499	477	458.5
32"	743.4	447.9	79	91.0	91.4	611.4	589.4	570.9

WAVE II MOUNTING OPTIONS

CONFIGURATION 2 Foot-Print



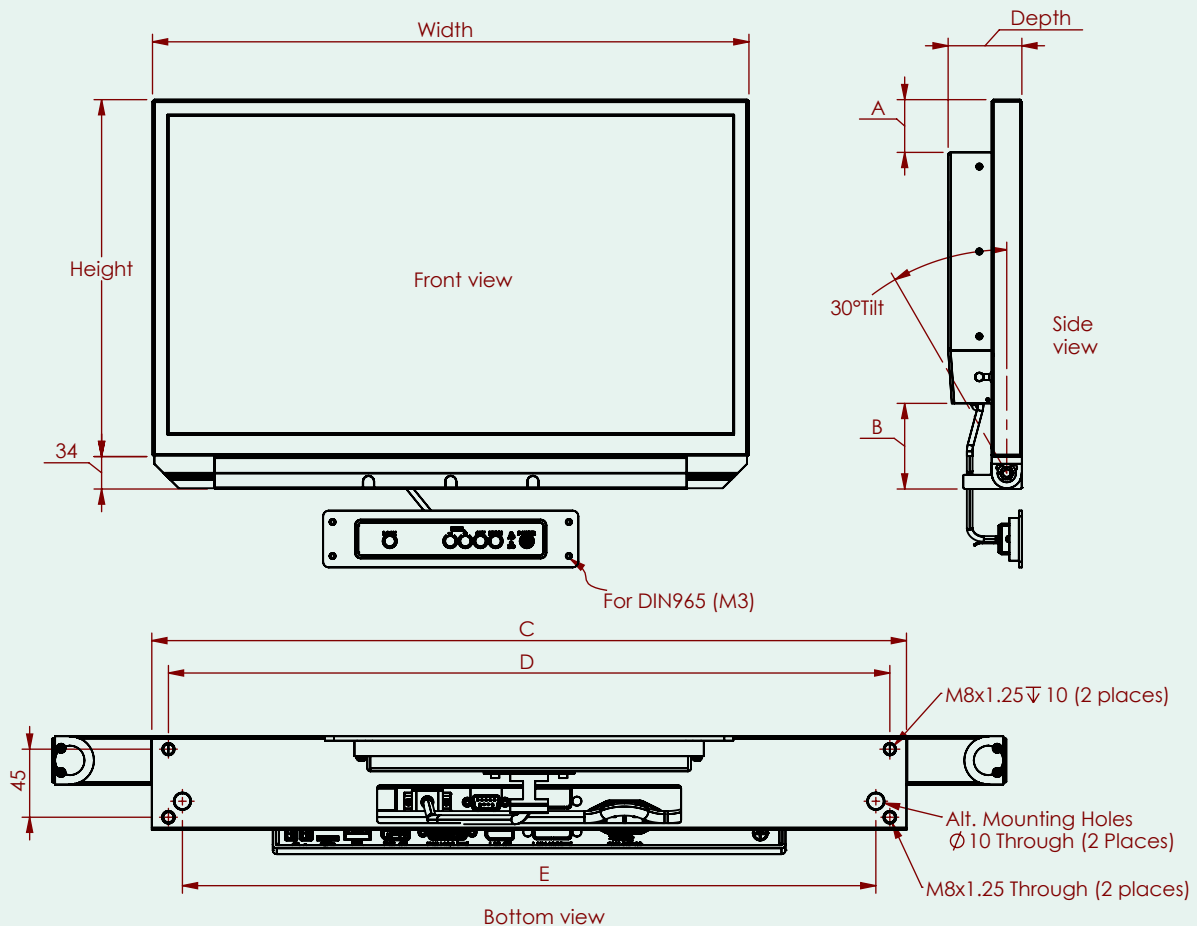
SIZE	A	B
18.5"	294.4	275.9
19"	260	241.5
21.5"	359.6	341.1
24"	420	401.5
27"	477	458.5
32"	589.4	570.9



WAVE II MOUNTING OPTIONS

CONFIGURATION 3

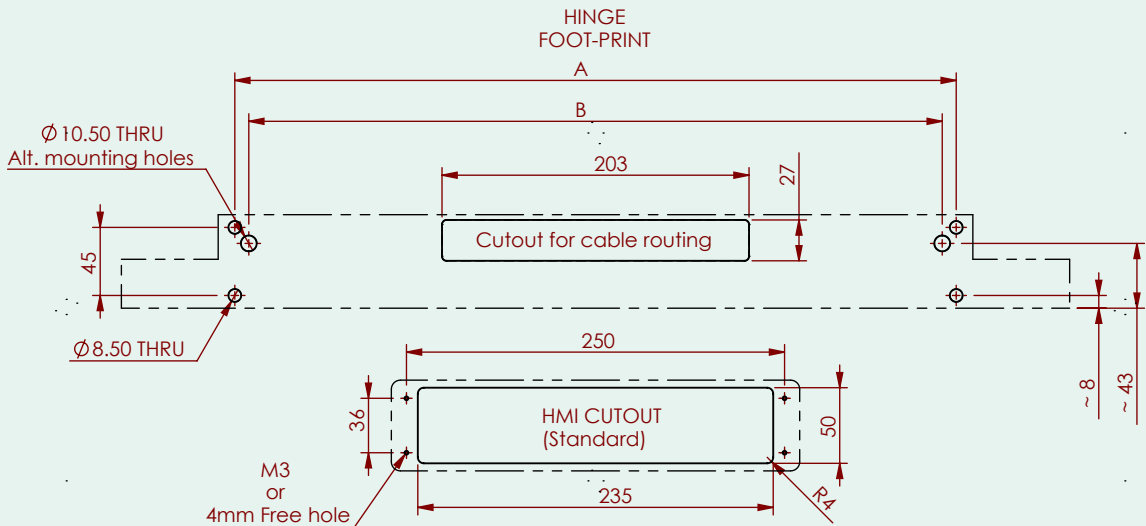
Monitor with Hinge & External Human Interface Module (MON & HIN & HMI)



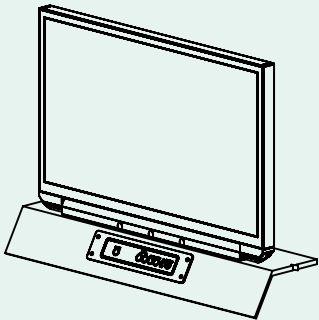
SIZE	WIDTH	HEIGHT	DEPTH	A	B	C	D	E
18.5"	448.4	272.6	78	3.3	38.1	316.4	294.4	275.9
19"	414	342.0	78	38.0	72.8	282	260	241.5
21.5"	513.6	310.6	78	22.3	57.1	381.6	359.6	341.1
24"	574	341.0	78	37.5	72.3	442	420	401.5
27"	631	377.6	78	55.8	90.6	499	477	458.5
32"	743.4	447.9	79	91.0	125.7	611.4	589.4	570.9

WAVE II MOUNTING OPTIONS

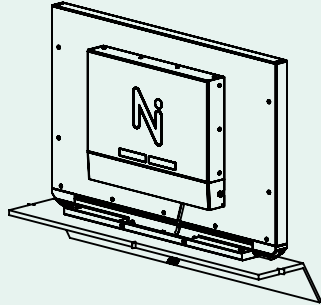
CONFIGURATION 3 Foot-Print & Cut-out



NOTE:
Please be aware of the HMI cable length relative to monitor size.

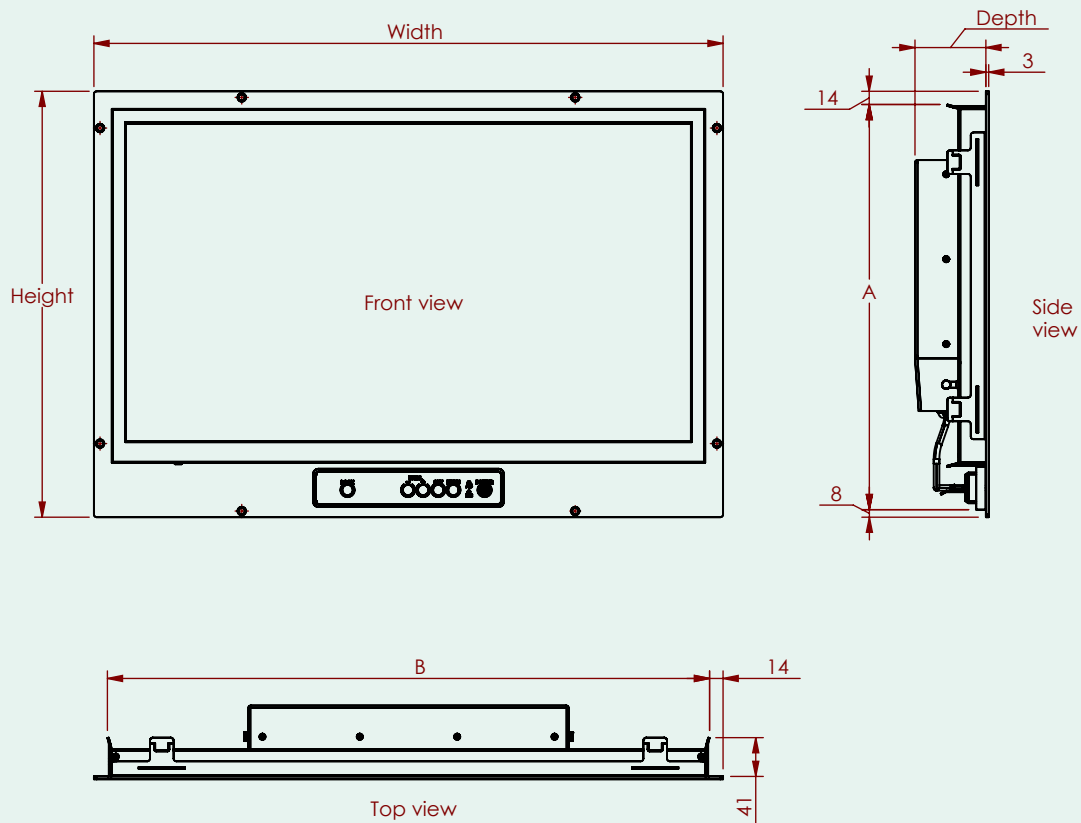


SIZE	A	B
18.5"	294.4	275.9
19"	260	241.5
21.5"	359.6	341.1
24"	420	401.5
27"	477	458.5
32"	589.4	570.9



WAVE II MOUNTING OPTIONS

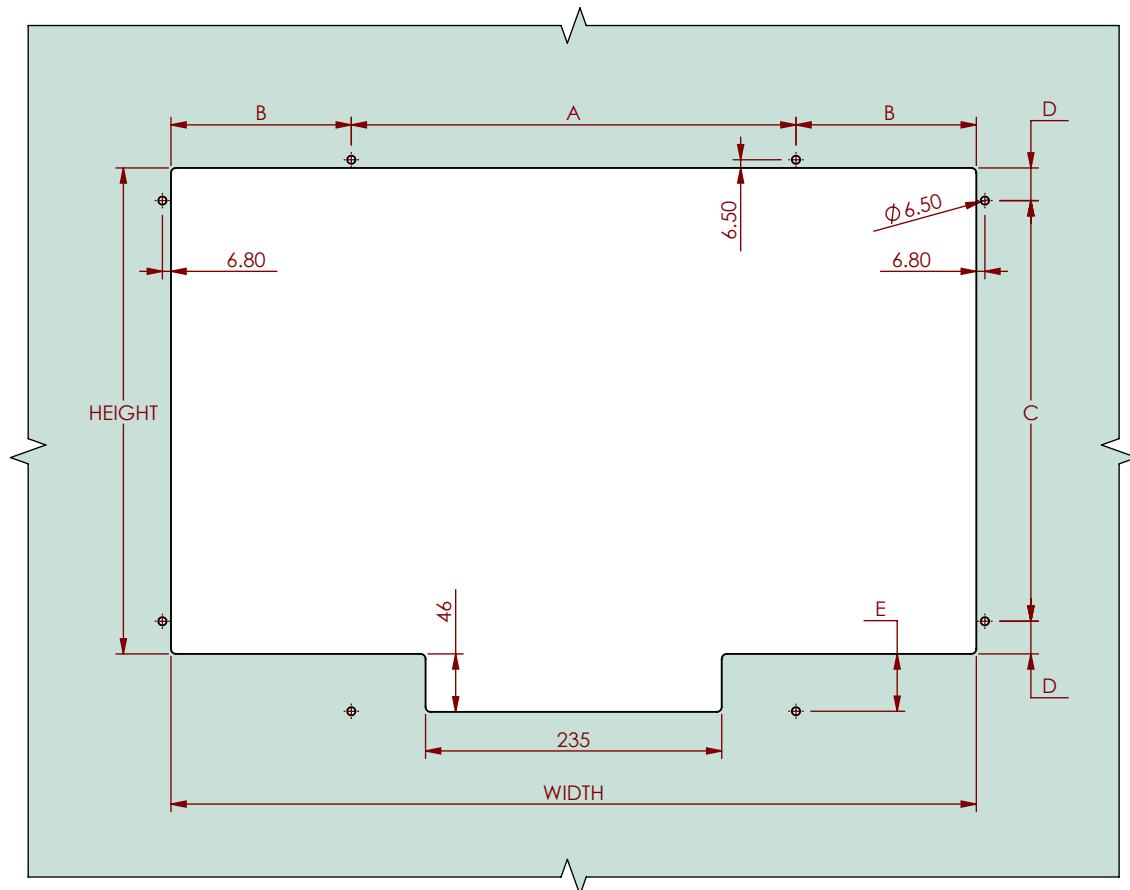
CONFIGURATION 4 Monitor with Panel & Integrated Human Interface Module (MON & PAN & HMI)



SIZE	WIDTH	HEIGHT	DEPTH	A	B
18.5"	483	345.6	78	323.6	454.5
19"	448.6	415	78	393	420.1
21.5"	548.2	383.6	78	361.6	519.7
24"	608.6	414	78	392	580.1
27"	665.6	450.6	78	428.6	637.1
32"	N/A	N/A	N/A	N/A	N/A

WAVE II MOUNTING OPTIONS

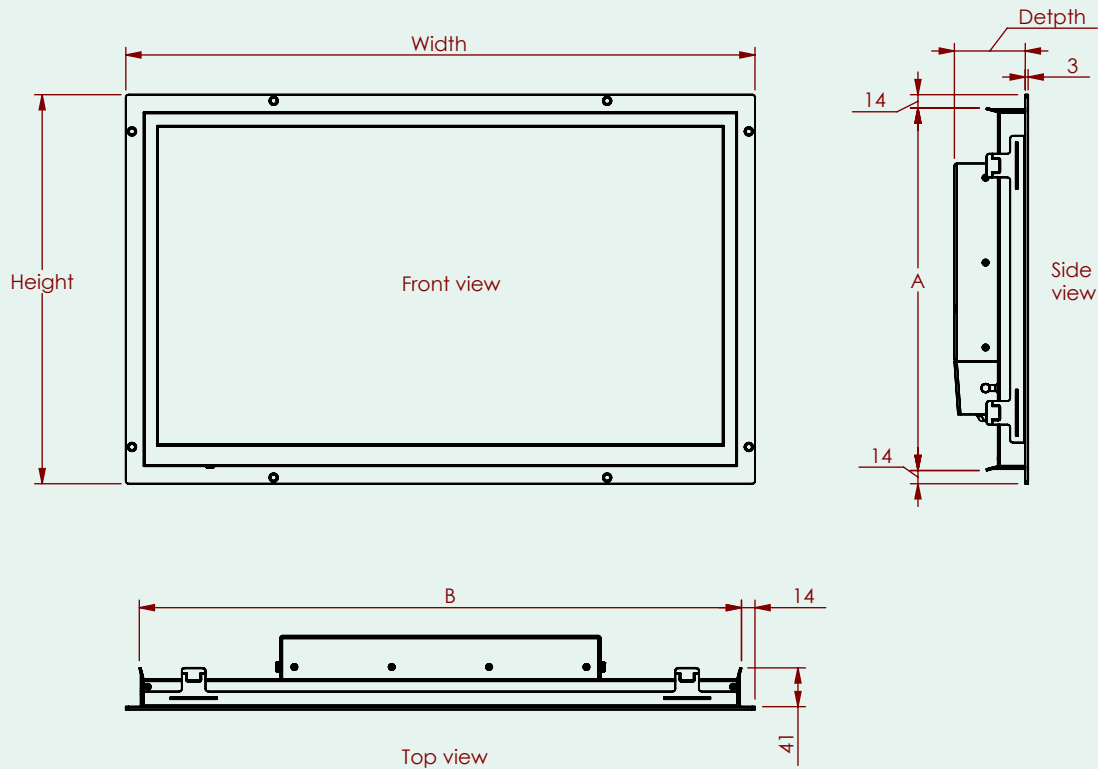
CONFIGURATION 4
Cut-out



SIZE	WIDTH	HEIGHT	A	B	C	D	E
18.5"	456.4	280.6	310	73.2	231.4	24.6	45.5
19"	422	350	336.7	42.6	300.8	24.6	45.5
21.5"	521.6	318.6	293.8	113.9	300.8	8.9	45.5
24"	582	349	324	129	300	24.5	45.5
27"	639	385.6	352.8	143.1	333.8	25.9	45.5
32"	N/A	N/A	N/A	N/A	N/A	N/A	N/A

WAVE II MOUNTING OPTIONS

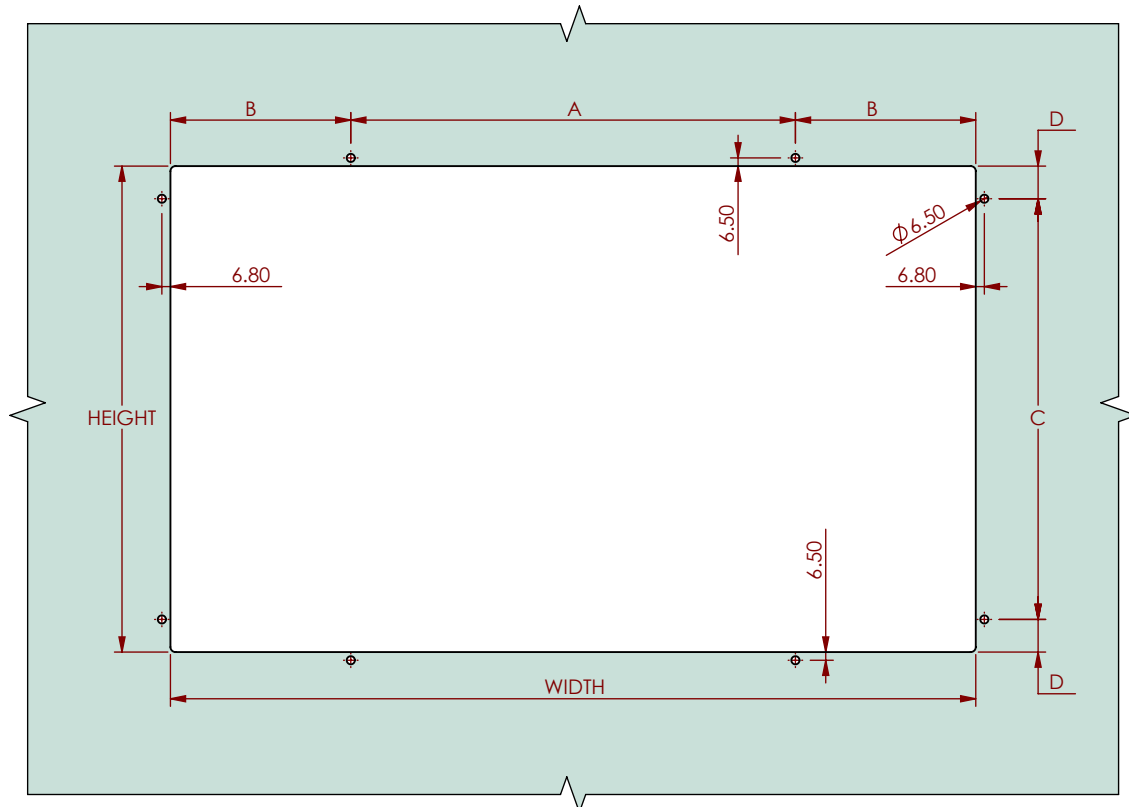
CONFIGURATION 5 Monitor with Panel (MON & PAN)



SIZE	WIDTH	HEIGHT	DEPTH	A	B
18.5"	483	306.6	78	278.6	454.5
19"	448.6	376	78	348	420.1
21.5"	548.2	344.6	78	316.6	519.7
24"	608.6	375	78	347	580.1
27"	665.6	411.6	78	383.6	637.1
32"	N/A	N/A	N/A	N/A	N/A

WAVE II MOUNTING OPTIONS

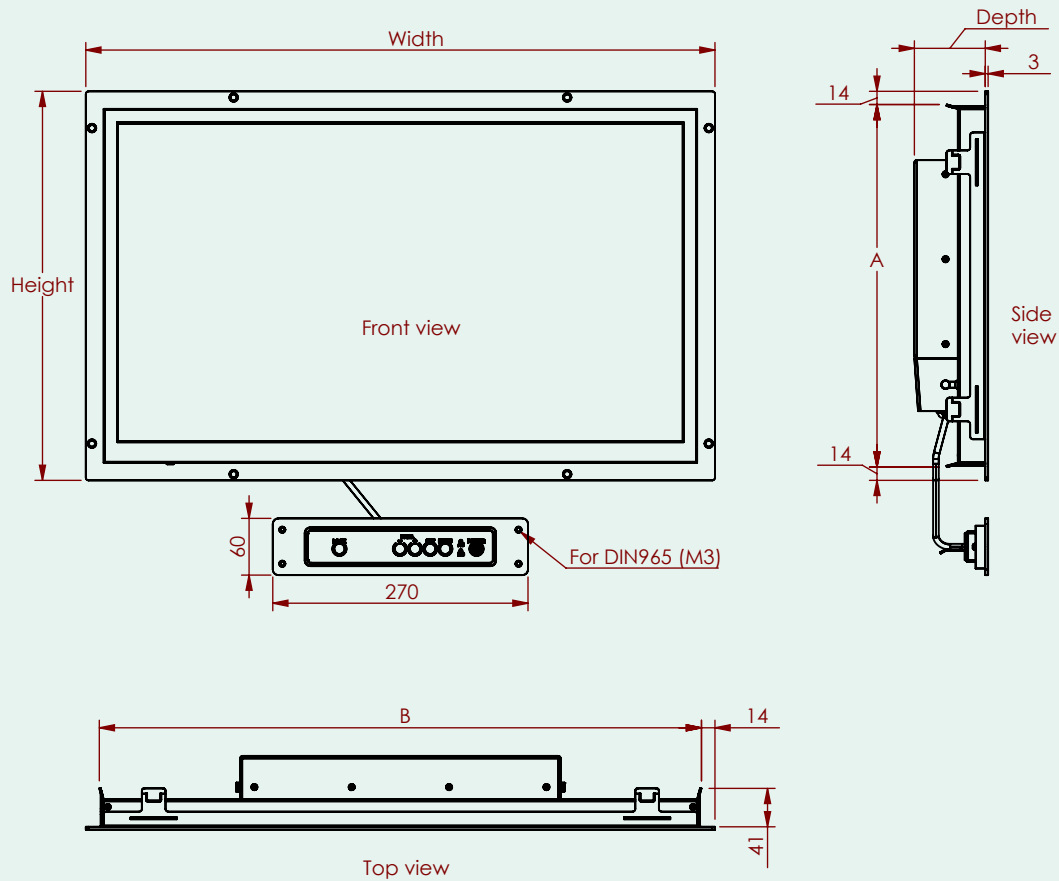
CONFIGURATION 5 Cut-out



SIZE	WIDTH	HEIGHT	A	B	C	D
18.5"	456	280.6	310	73.2	231.4	24.6
19"	422	350.0	336.7	42.6	300.8	24.6
21.5"	522	318.6	293.8	113.9	300.8	8.9
24"	582	349.0	324	129	300	24.5
27"	639	385.6	352.8	143.1	333.8	25.9
32"	N/A	N/A	N/A	N/A	N/A	N/A

WAVE II MOUNTING OPTIONS

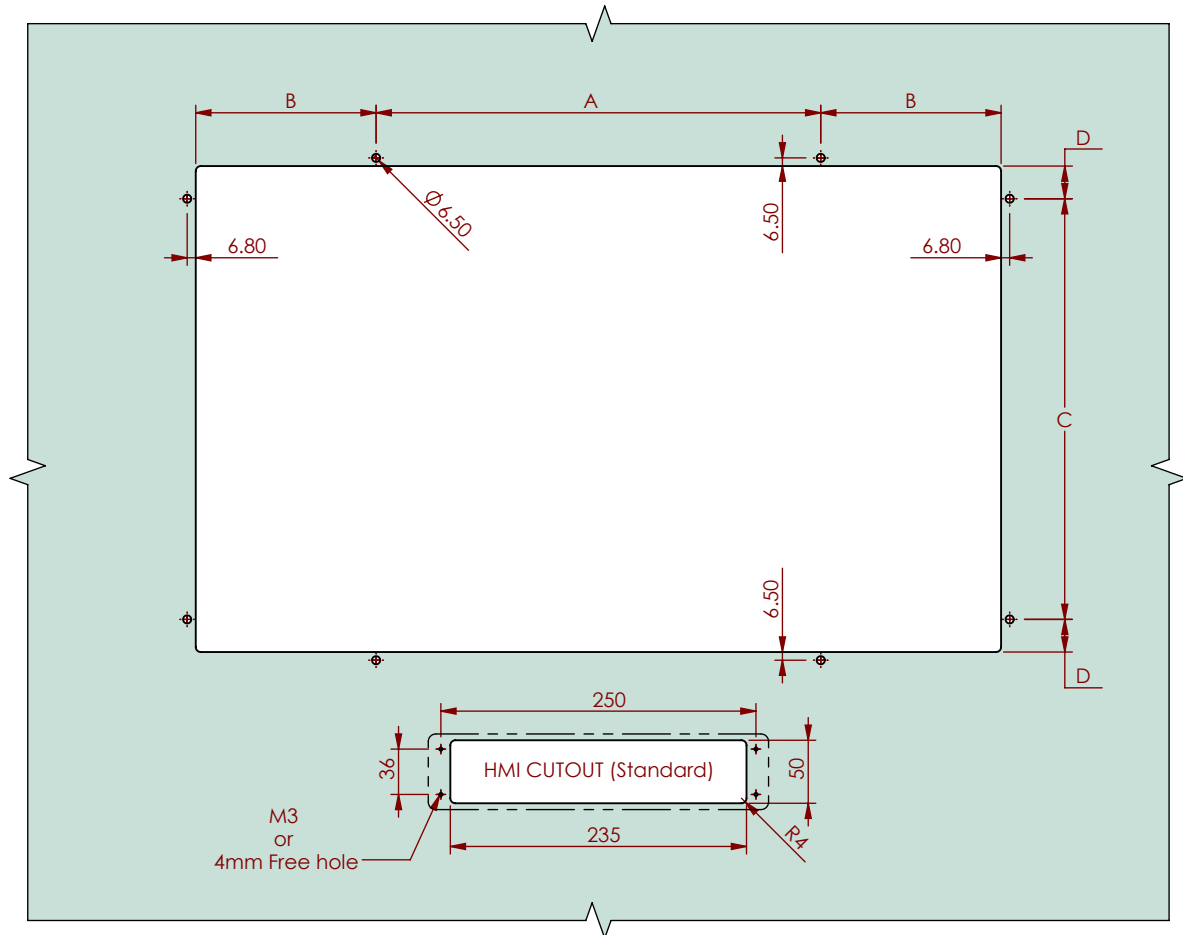
CONFIGURATION 6 Monitor with Panel & External Human Interface Module (MON & PAN & HMI)



SIZE	WIDTH	HEIGHT	DEPTH	A	B
18.5"	483	306.6	78	278.6	454.5
19"	448.6	376	78	348	420.1
21.5"	548.2	344.6	78	316.6	519.7
24"	608.6	375	78	347	580.1
27"	665.6	411.6	78	383.6	637.1
32"	N/A	N/A	79	N/A	N/A

WAVE II MOUNTING OPTIONS

CONFIGURATION 6 Cut-out



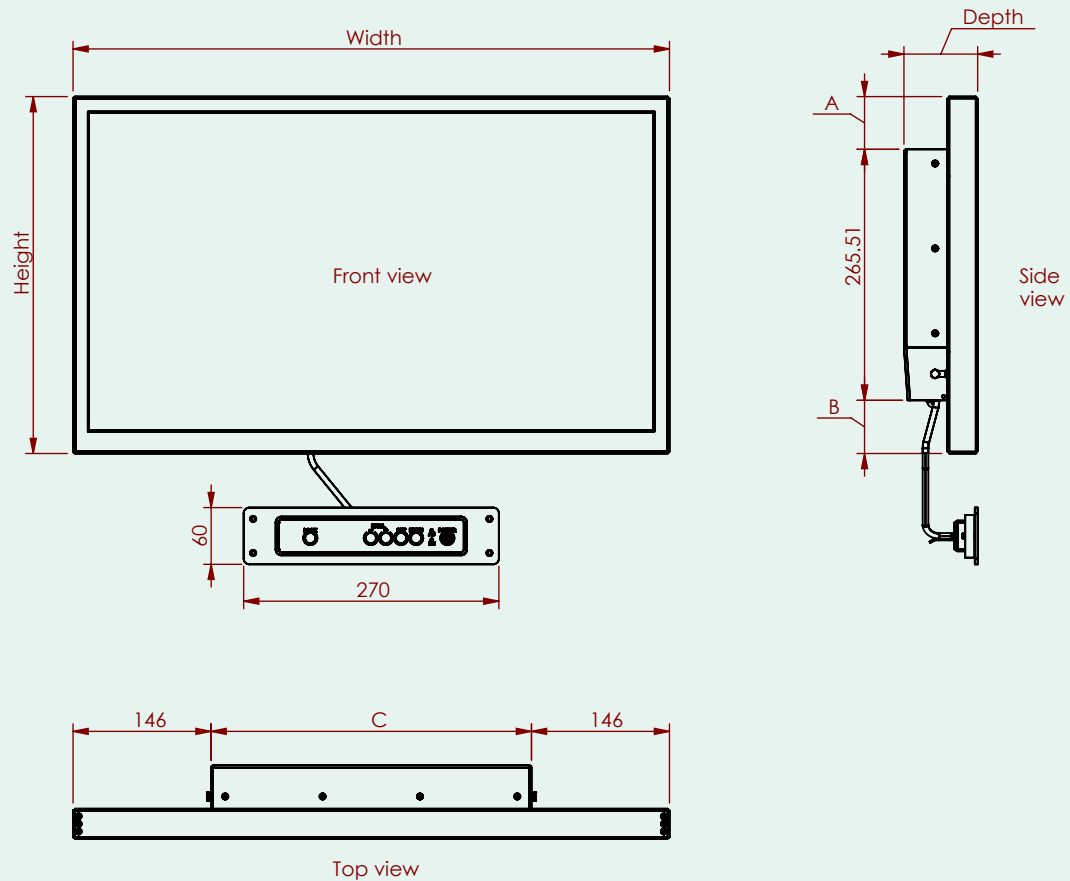
NOTE:

Please be aware of the HMI cable length relative to monitor size.

SIZE	WIDTH	HEIGHT	A	B	C	D
18.5"	456	280.6	310	73.2	231.4	24.6
19"	422	350.0	336.7	42.6	300.8	24.6
21.5"	522	318.6	293.8	113.9	300.8	8.9
24"	582	349.0	324	129	300	24.5
27"	639	385.6	352.8	143.1	333.8	25.9
32"	N/A	N/A	N/A	N/A	N/A	N/A

WAVE II MOUNTING OPTIONS

CONFIGURATION 7 Monitor with External Human Interface Module (MON & HMI)



SIZE	WIDTH	HEIGHT	DEPTH	A	B	C
18.5"	448.4	272.6	78	3.3	3.8	54.7
19"	414	342.0	78	38.0	38.5	37.5
21.5"	513.6	310.6	78	22.3	22.8	87.3
24"	574	341.0	78	37.5	38	117.5
27"	631	377.6	78	55.8	56.3	146
32"	743.4	447.9	79	91.0	91.4	202.2

Technical drawing of the HMI cutout showing overall dimensions and mounting details.

Overall Dimensions:

- WIDTH:** Dimension across the top of the main rectangle.
- HEIGHT:** Dimension along the left side of the main rectangle.
- RO.50:** Radius dimension at the top-left corner of the main rectangle.

Mounting Details:

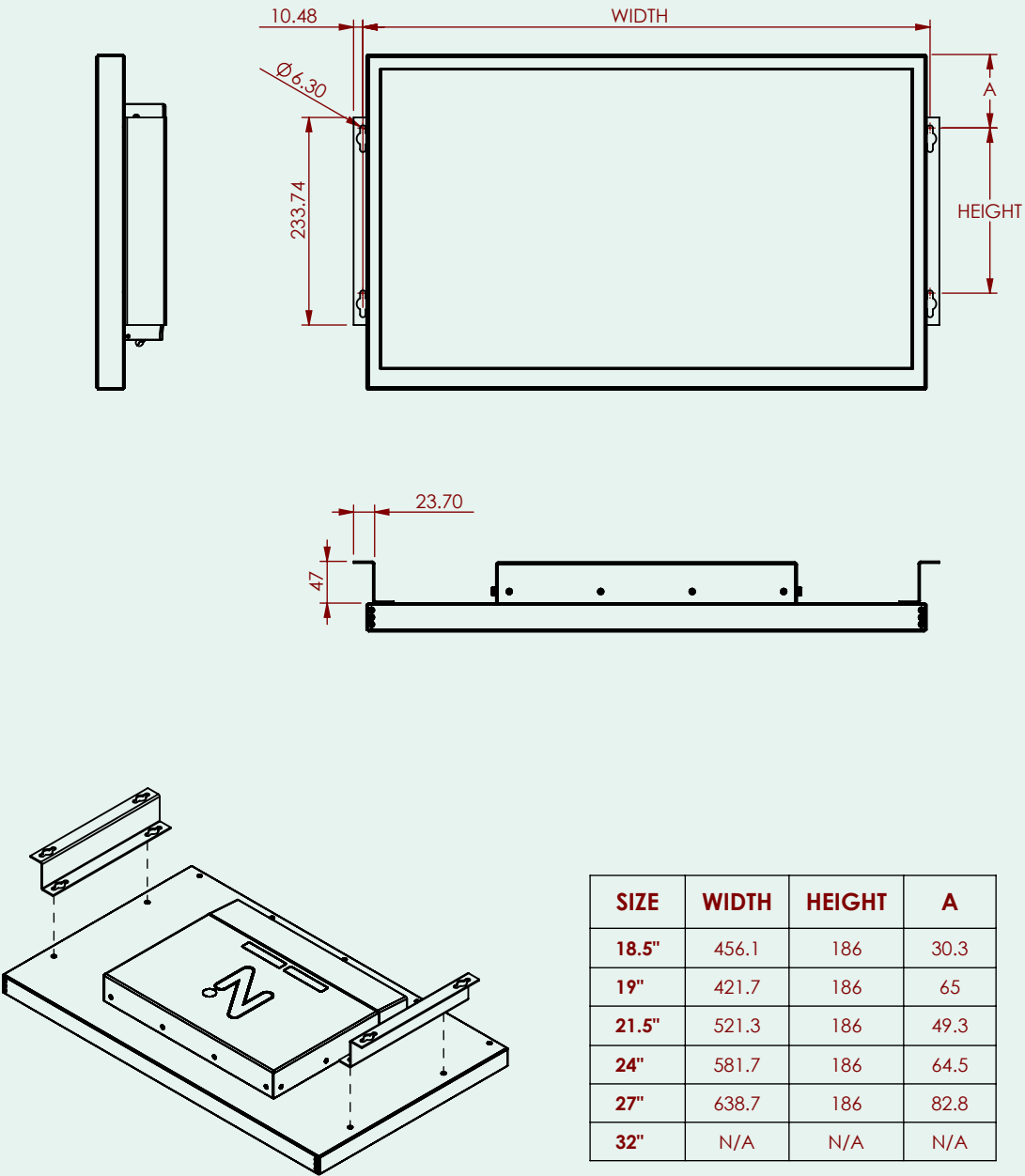
- M3 or 4mm Free hole:** Indicated by a leader line pointing to the mounting holes.
- 250:** Dimension across the top of the mounting area.
- 36:** Dimension across the left side of the mounting area.
- 235:** Dimension across the bottom of the mounting area.
- 50:** Dimension across the right side of the mounting area.
- 14:** Dimension across the bottom-right corner of the mounting area.
- HMI CUTOUT (Standard):** Label for the central cutout area.
- A↑** and **↑A**: Indicators for mounting holes.

MOUNTING DETAIL FOR MAX. IP RATING.



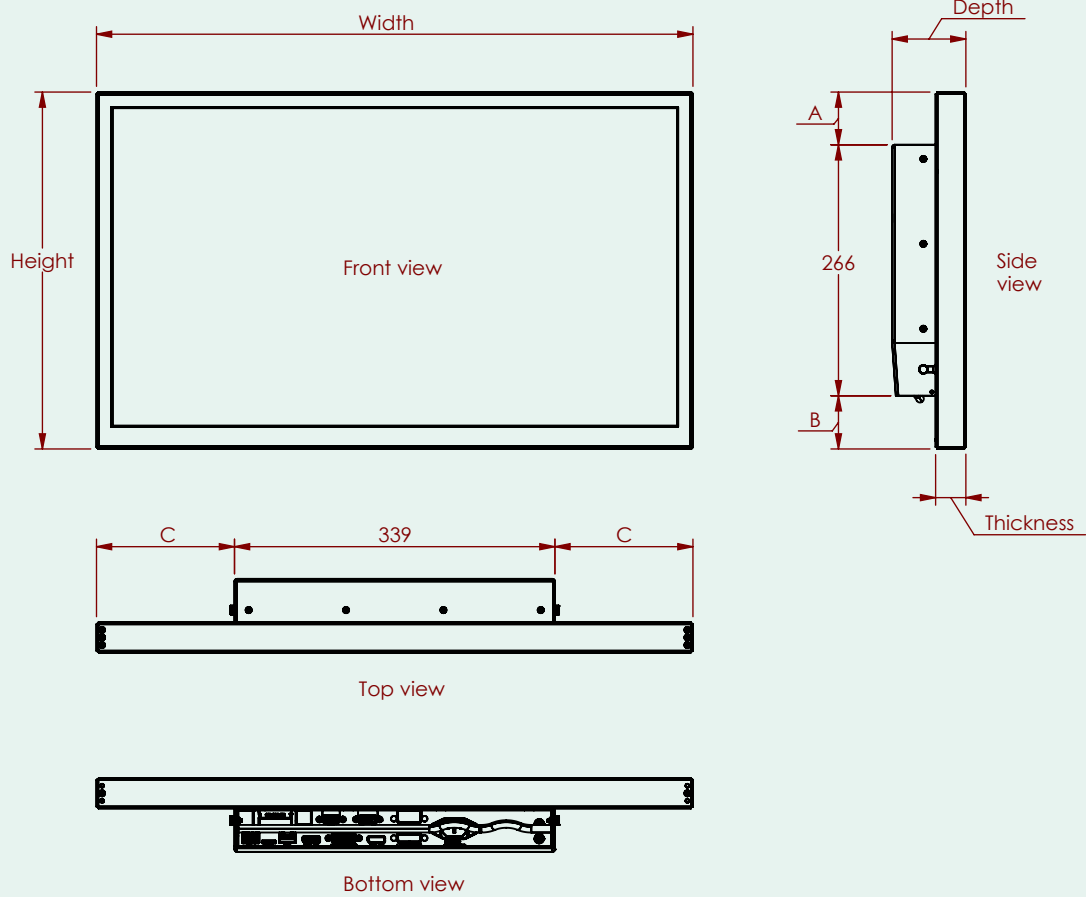
WAVE II MOUNTING OPTIONS

CONFIGURATION 8
Monitor mounted on brackets (Wall Mounting)



WAVE II MOUNTING OPTIONS

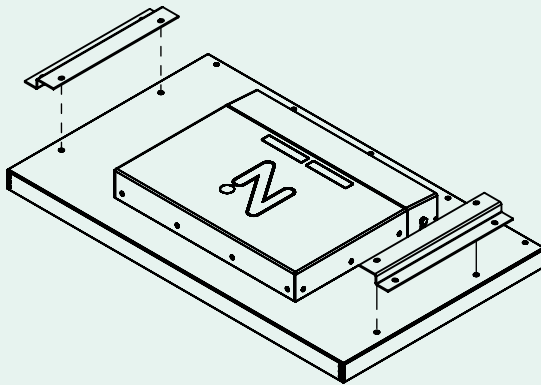
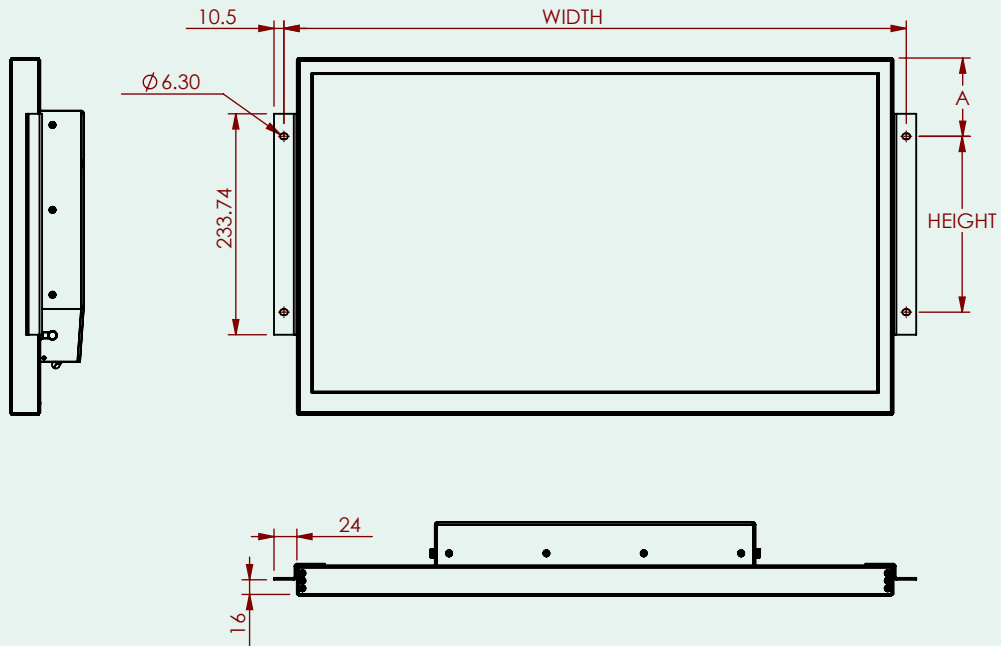
CONFIGURATION 9 Monitor (MON) for flush mounting with mounting bracket



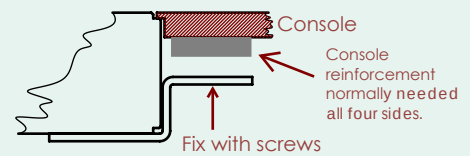
SIZE	WIDTH	HEIGHT	DEPTH	THICKN.	A	B	C
18.5"	448.4	272.6	78	32	3.3	3.8	54.7
19"	414	342.0	78	32	38.0	38.5	37.5
21.5"	513.6	310.6	78	32	22.3	22.8	87.3
24"	574	341.0	78	32	37.5	38	117.5
27"	631	377.6	78	32	55.8	56.3	146
32"	743.4	447.9	79	33	91.0	91.4	202.2

WAVE II MOUNTING OPTIONS

CONFIGURATION 9 Monitor flush-mounted on brackets



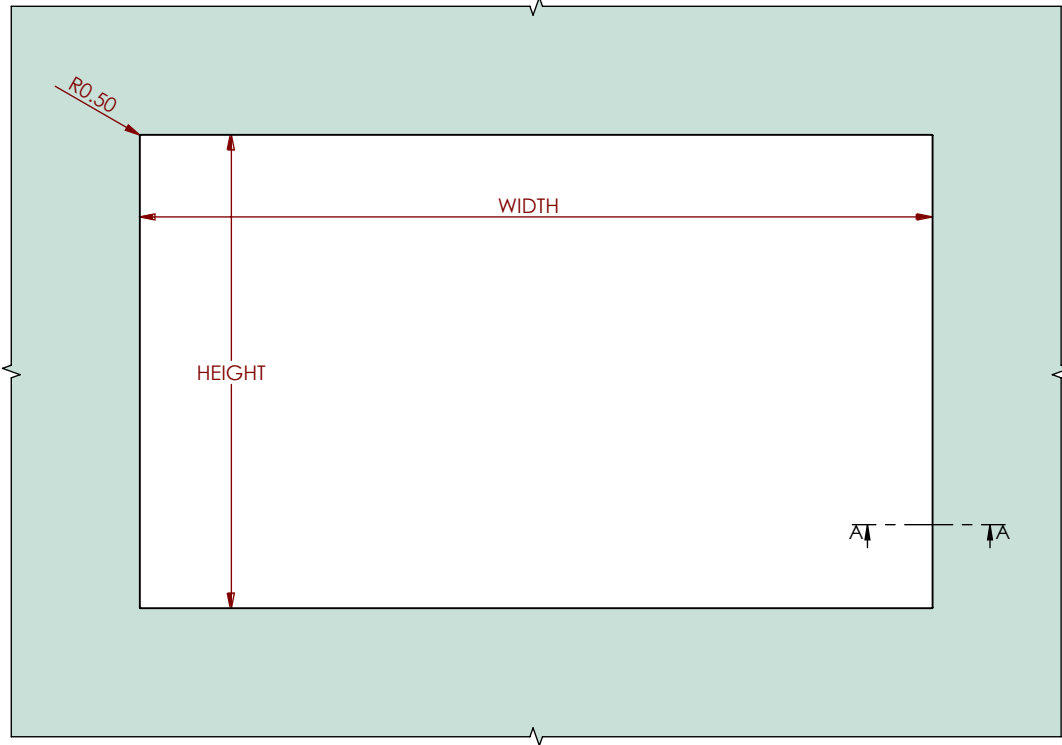
SIZE	WIDTH	HEIGHT	A
18.5"	475.4	186	30.3
19"	441	186	65
21.5"	540.6	186	49.3
24"	601	186	64.5
27"	658	186	82.8
32"	N/A	N/A	N/A



SECTION M-M
SCALE 1 : 2

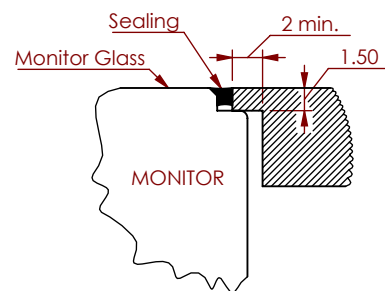
WAVE II MOUNTING OPTIONS

CONFIGURATION 9
Cut-out for flush mounting from backside



SIZE	WIDTH	HEIGHT
18.5"	446.4	270.6
19"	412	340.0
21.5"	511.6	308.6
24"	572	339.0
27"	629	375.6
32"	741.4	445.9

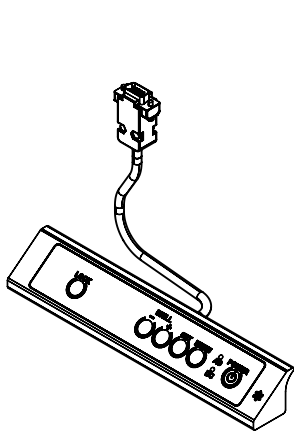
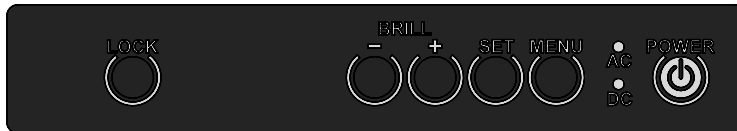
MOUNTING DETAIL FOR MAX. IP RATING.



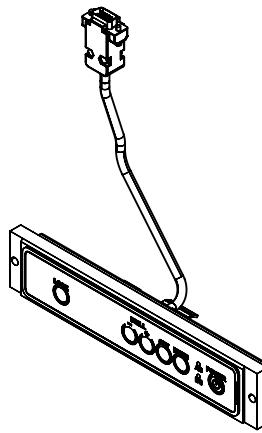
SECTION A-A
SCALE 2 : 1

WAVE II MOUNTING OPTIONS

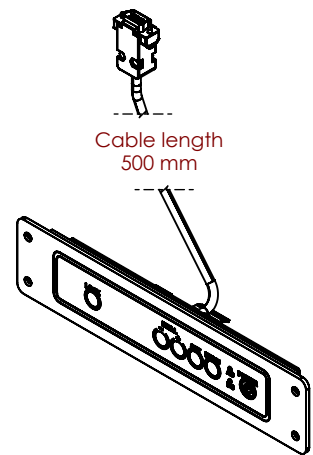
HMI CONFIGURATION
HMI for HINGE, PANEL or FREE mount



Used for configuration 2

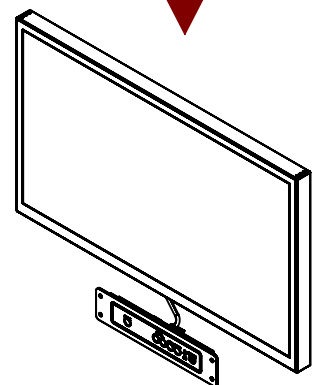
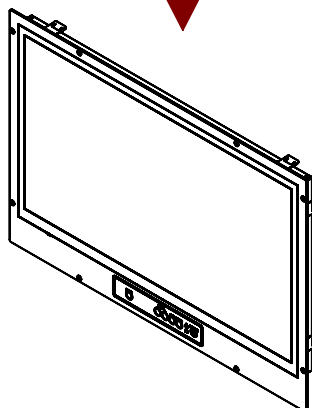
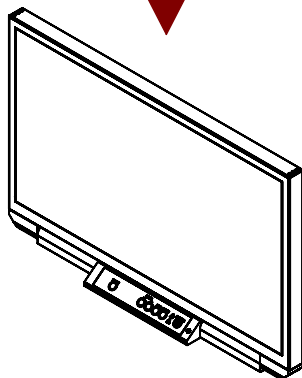


Used for configuration 4



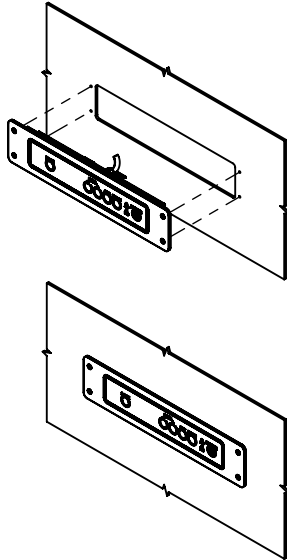
Used for configuration 3, 6 and 7

Cable length
500 mm

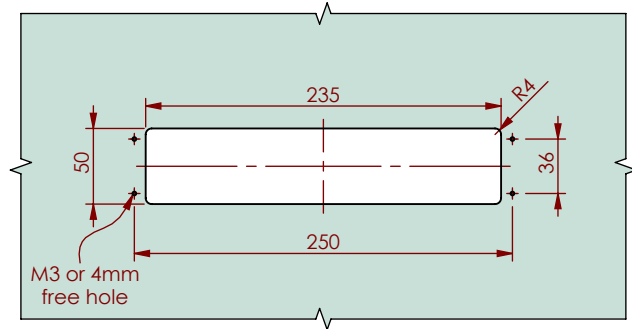


WAVE II MOUNTING OPTIONS

HMI CONFIGURATION HMI for HINGE, PANEL or FREE mount

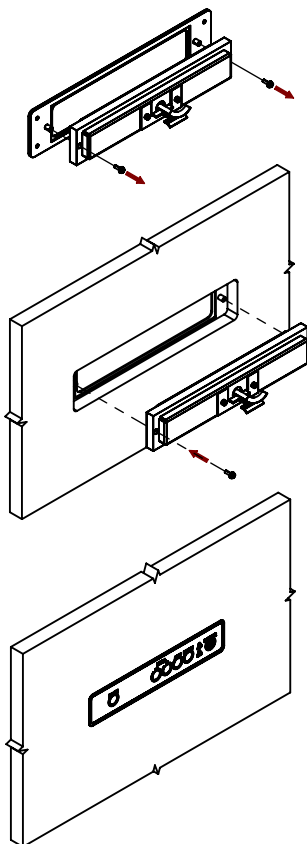


HMI CUTOUT (Standard)



FRONT VIEW

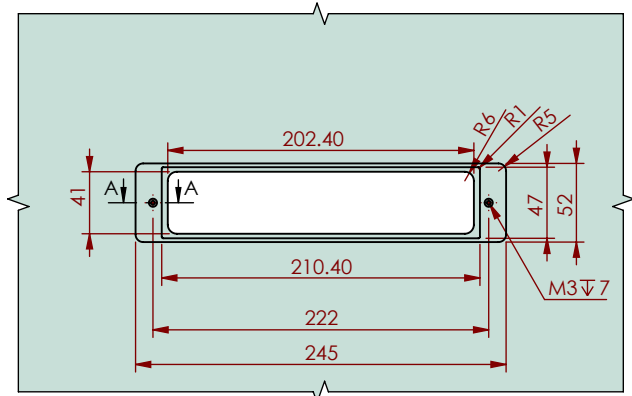
Note: Powder coating must be taken into consideration when preparing the cutout



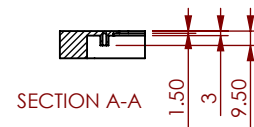
Unscrew screws, and remove the HMI adapter plate

Reuse screws and install the HMI into the cutout

HMI CUTOUT (Back side installation)



BACK SIDE VIEW



SECTION A-A