NEUMA CLASSIC PVC INSWING GLAZED PATIO DOOR

EXTERIOR VIEW

WHERE WATER RESISTANCE IS REQUIRED

<table>
<thead>
<tr>
<th>DESIGN PRESSURE RATING</th>
<th>IMPACT RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>+35.0 PSF - 50.0 PSF</td>
<td>NONE</td>
</tr>
</tbody>
</table>

WHERE WATER RESISTANCE IS NOT REQUIRED

<table>
<thead>
<tr>
<th>DESIGN PRESSURE RATING</th>
<th>IMPACT RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>+50PSF</td>
<td>NONE</td>
</tr>
</tbody>
</table>

NOTES:
1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF FLORIDA BUILDING CODE.
2) WOOD FRAMING OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. WOOD FRAMING OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3) APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
4) UNITS MUST BE GLAZED PER ASTM E1300.
5) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
6) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
7) FOR ANCHORING INTO 2X BUCK OR WOOD FRAMING USE #10 WOOD SCREW OF SUITABLE LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ANCHORING LAYOUT AND INSTALLATION DETAILS.
8) FOR ANCHORING INTO MASONRY USE 3/16" ITW TAPCON WITH SUITABLE LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. WITH 2 5/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
9) ALL FASTENERS TO BE CORROSION RESISTANT.
10) INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL WITH THE FOLLOWING PROPERTIES:
A. WOOD - G=0.42 MINIMUM SPECIFIC GRAVITY.
B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
11) FRAME JAMB AND HEAD MATERIAL: CO-EXTRUDED PVC FOAM 1 1/2" THICK.
12) FRAME SILL MATERIAL: CO-EXTRUDED PVC FOAM, 1 1/4" THICK INSWING AND 1 5/8" THICK OUTSWING, WITH ALUMINUM CLADDING .062" THICK.
13) DOOR PANEL AND SIDELITE MATERIAL: Rigid PVC Skin .031" THICK OVER A PVC FOAM CORE WITH WOOD REINFORCEMENTS.
14) APPROVED CONFIGURATIONS: X, OX AND XD INSWING AND OUTSWING.
15) MAX. DOOR PANEL AND SIDELITE D.L.O: 20" x 66".
16) HINGE LOCATIONS FROM BOTTOM OF PANEL UP: 10", 42" AND 73.1/2".

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>SHEET NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>INSWING ELEVATIONS, ANCHORING AND NOTES</td>
</tr>
<tr>
<td>2</td>
<td>OUTSWING ELEVATIONS, ANCHORING AND HARDWARE</td>
</tr>
<tr>
<td>3 – 4</td>
<td>INSWING INSTALLATION DETAILS</td>
</tr>
<tr>
<td>5 – 6</td>
<td>OUTSWING INSTALLATION DETAILS</td>
</tr>
</tbody>
</table>
A. 3-POINT LOCK HANDLE ASSEMBLY NINGBO MICOTA LOCKS
B. (3) 4" x 4 1/4" BUTT HINGES BY WENZHOU LONGTAI Hinges
C. EXTRUDED ALUMINUM & PVC FOAM ASTRAGAL BY NAN YA PLASTICS

HARDWARE SCHEDULE

NEUMA CLASSIC PVC OUTSWING GLAZED PATIO DOOR
EXTERIOR VIEW

<table>
<thead>
<tr>
<th>DESIGN PRESSURE RATING</th>
<th>IMPACT RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>±50PSF</td>
<td>NONE</td>
</tr>
</tbody>
</table>

INSWING DOOR SILL DETAIL

OUTSWING DOOR SILL DETAIL

NAN YA PLASTICS CORP. USA
8989 NORTH LOOP EAST
HOUSTON, TX 77029

NEUMA CLASSIC PVC GLAZED PATIO DOOR
INSWING/OUTSWING NON-IMPACT
OUTSWING ELEVATIONS, ANCHORING AND HARDWARE

DRAWN:

DRAWING NO.

SHEET

SCALE

DATE

STATE OF FLORIDA LICENSE No. 62514

STATE OF FLORIDA LICENSE No. 62514

10/23/09
2 OF 6
2X BUCK/WOOD FRAMING
BY OTHERS, 2X BUCK TO BE PROPERLY SECURED

1 3/8" MIN. EMBEDMENT

1/4" MAX. SHIM

INTERIOR

EXTERIOR

#10 WOOD SCREW

BACKER ROD AND
APPROVED SEALANT
BY OTHERS

2X BUCK/WOOD FRAMING
BY OTHERS, 2X BUCK TO BE PROPERLY SECURED

1 3/8" MIN. EMBEDMENT

1/4" MAX. SHIM

#10 WOOD SCREW

SILL TO BE SET
IN BED OF
APPROVED SEALANT

2X BUCK/WOOD FRAMING BY OTHERS, 2X BUCK TO BE PROPERLY SECURED

2X BUCK/WOOD FRAMING INSTALLATION
INSWING DOOR SHOWN, INSWING SIDELITE SIMILAR

NAN YA PLASTICS CORP. USA
5989 NORTH LOOP EAST
HOUSTON, TX 77029

NEUMA CLASSIC PVC GLAZED PATIO DOOR
INSWING/OUTSWING NON-IMPACT
INSWING INSTALLATION DETAILS

DRAWN:

REV.

DCG NO.

08-00872

SCALE:

NTS

DATE:

10/23/09

SHEET:

5 OF 6
MASTERY/CONCRETE INSTALLATION
INSWING HINGE JAMB SHOWN. SIDELITE JAMB SIMILAR

1X BUCK BY OTHERS, 1X BUCK TO BE PROPERLY SECURED

FLANGE TO BE SET IN BED OF APPROVED SEALANT

EXTERIOR

INTERIOR

MASTERY/CONCRETE INSTALLATION
INSWING DOOR SHOWN. INSWING SIDELITE SIMILAR

1 1/4" MIN. EMBEDMENT

3/16" ITW TAPCON

1/4" MAX. SHIM

2 5/8" MIN. EDGE DIST.

MASTERY/CONCRETE BY OTHERS

3/16" ITW TAPCON

1/4" MAX. SHIM

2 5/8" MIN. EDGE DIST.

MASTERY/CONCRETE BY OTHERS

3/16" ITW TAPCON

1 1/4" MIN. EMBEDMENT

2 5/8" MIN. EDGE DIST.

MASTERY/CONCRETE BY OTHERS

1 1/4" MIN. EMBEDMENT

3/16" ITW TAPCON

1/4" MAX. SHIM

2 5/8" MIN. EDGE DIST.

MASTERY/CONCRETE BY OTHERS

1 1/4" MIN. EMBEDMENT

3/16" ITW TAPCON

1/4" MAX. SHIM

2 5/8" MIN. EDGE DIST.

MASTERY/CONCRETE BY OTHERS

1X BUCK BY OTHERS, 1X BUCK TO BE PROPERLY SECURED

FLANGE TO BE SET IN BED OF APPROVED SEALANT

EXTERIOR

INTERIOR

MASTERY/CONCRETE INSTALLATION
INSWING DOOR SHOWN. INSWING SIDELITE SIMILAR

1X BUCK BY OTHERS, 1X BUCK TO BE PROPERLY SECURED

FLANGE TO BE SET IN BED OF APPROVED SEALANT
2X BUCK/WOOD FRAMING INSTALLATION
OUTSWING STRIKE JAMB SHOWN, SIDELITE JAMB SIMILAR

BACKER ROD AND APPROVED SEALANT BY OTHERS

1 3/8" MIN. EMBEDMENT
1/4" MAX. SHIM

1 3/8" MIN. EMBEDMENT
1/4" MAX. SHIM

#10 WOOD SCREW

2X BUCK/WOOD FRAMING BY OTHERS, 2X BUCK TO BE PROPERLY SECURED

SILL TO BE SET IN BED OF APPROVED SEALANT

#10 WOOD SCREW

2X BUCK/WOOD FRAMING BY OTHERS, 2X BUCK TO BE PROPERLY SECURED

INTERIOR

EXTERIOR

INTERIOR

EXTERIOR
MASONRY/CONCRETE INSTALLATION
OUTSWING STRIKE JAMB SHOWN, SIDELITE JAMB SIMILAR

INTERIOR

EXTERIOR

1X BUCK BY OTHERS, 1X BUCK TO BE PROPERLY SECURED
FLANGE TO BE SET IN BED OF APPROVED SEALANT

3/16" ITW TAPCON

2 5/8" MIN. EDGE DIST.

1 1/4" MIN. EMBEDMENT

1/4" MAX. SHIM

MASONRY/CONCRETE BY OTHERS

SILL TO BE SET IN BED OF APPROVED SEALANT

3/16" ITW TAPCON

2 5/8" MIN. EDGE DIST.

1 1/4" MIN. EMBEDMENT

MASONRY/CONCRETE BY OTHERS

EXTERIOR

INTERIOR

MASONRY/CONCRETE INSTALLATION
OUTSWING DOOR SHOWN, OUTSWING SIDELITE SIMILAR

3/16" ITW TAPCON

1/4" MAX. SHIM

1 1/4" MIN. EMBEDMENT