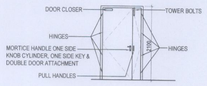
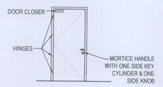



D1,D2,D3
DOUBLE SHUTTER SIDE HUNG HINGED DOORS

OTHER DOORS WITH SIMILAR LIST OF HARDWARES : D1 & D3

**NOTES:-** FOR DOOR NAMES AND DETAILS REFER DWG. NO. 1404/AL/1011/R1 DT. 30-05-11

| S. NO. | HARDWARE | SPECIFICATION |
|---|---|---|
| a. | HINGES | - HINGES WITH 4 BALL BEARING<br>- 4 NOS. HINGES FOR EACH SHUTTER<br>- SIZE = 125 MM. HIGH<br>- SHEET THICKNESS = 2.5 MM.<br>- MADE OF SS. 304 IN SS FINISH<br>-ALTERNATIVE COMPANIES = ZIPCO / AKS/ DORMA<br>- DESIGN , ZIPCO CATALOGUE NO. = 41 / DH4 |
| b. | MORTICE HANDLE (ON LARGER SHUTTER) | - MORTICE HANDLES WITH DOUBLE DOOR ATTACHMENT FOR MORTICE LOCK( 200 MM.)<br>- MADE OF SS 304<br>- IN NATURAL MATT SS FINISH<br>- WITH ONE SIDE KEY, ONE SIDE KNOB CYLINDER 60 MM.<br>- LOCKABLE FROM OUTSIDE , WITH KNOB ON INSIDE<br>- ALTERNATIVE COMPANIES = DORSET / CRUST / KICH<br>- DESIGN- DORSET CATALOGUE NO. - ATINA HL AI SS |
| c. | DOOR CLOSER (ON SHUTTER WITH MORTICE HANDLE ONLY) | - EASY AND ACCURATE TWO VALVE DOOR OPERATING SPEED ADJUSTMENT( CLOSING & LATCHING SPEED)<br>- IN PRESSURE DIE CAST BODY OF ALUMINIUM ALLOY<br>- ANGLE OF OPENING UPTO 180 DEGREES.<br>- WEIGHT CAPACITY ,FOR ALUMINIUM DOORS = 40 KG FOR WOODEN DOORS = 60 KG.<br>- ALTERNATIVE COMPANIES = DORSET / DORMA / OZONE<br>- DESIGN, DORSET CATALOGUE NO.- DC40 ( FOR AL. DOORS) DC 60 ( FOR WOODEN DOORS) |
| d. | TOWER BOLTS (ON SMALLER SHUTTER) | - SIZE =200 MM.<br>- FIXED VERTICALLY AT TOP ON INSIDE<br>- MADE OF SS<br>- IN SATIN SS FINISH<br>- HALF ROUND DESIGN<br>- ONE NOS. TOWER BOLT PER DOOR.<br>- ALTERNATIVE COMPANIES = DORSET/ AKS / KICH<br>- DESIGN - DORSET CATALOGUE NO. -= TBR 8 SS |
| e. | PULL HANDLES (ON SHUTTER WITH TOWER BOLTS) | - SIZE = 200 MM. (SIZE & DESIGN TO MATCH WITH MORTICE HANDLE)<br>- MADE OF SS<br>- IN NATURAL MATT SS FINISH<br>- FIXED ON BOTH INSIDE AND OUTSIDE OF SHUTTER<br>- ALTERNATIVE COMPANIES - DORSET / CRUST / KICH<br>- DESIGN - DORSET CATALOGUE NO.- NERO NE 10 P SS |

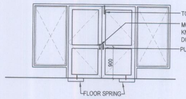



D4,D5,D6,D7
SIDE HUNG HINGED DOORS

OTHER DOORS WITH SIMILAR LIST OF HARDWARES : DW2, DW3, DW4 & DW6

**NOTES:-** FOR DOOR NAMES AND DETAILS REFER DWG. NO. 1404/AL/1011/R1 DT. 30-05-11

| S. NO. | HARDWARE | SPECIFICATION |
|---|---|---|
| a. | HINGES | - HINGES WITH 4 BALL BEARING<br>- 4 NOS. HINGES FOR EACH SHUTTER<br>- SIZE = 125 MM. HIGH<br>- SHEET THICKNESS = 2.5 MM.<br>- MADE OF SS. 304 IN SS FINISH<br>-ALTERNATIVE COMPANIES = ZIPCO / AKS/ DORMA<br>- DESIGN , ZIPCO CATALOGUE NO. = 41 / DH4 |
| b. | MORTICE HANDLE | - MORTICE HANDLES (200 MM.)<br>- MADE OF SS 304<br>- IN NATURAL MATT SS FINISH<br>- WITH ONE SIDE KEY, ONE SIDE KNOB CYLINDER 60 MM.<br>- LOCKABLE FROM OUTSIDE , WITH KNOB ON INSIDE<br>- ALTERNATIVE COMPANIES = DORSET / CRUST / KICH<br>- DESIGN- DORSET CATALOGUE NO. - ATINA HL AI SS |
| c. | DOOR CLOSER | - EASY AND ACCURATE TWO VALVE DOOR OPERATING SPEED ADJUSTMENT( CLOSING & LATCHING SPEED)<br>- IN PRESSURE DIE CAST BODY OF ALUMINIUM ALLOY<br>- ANGLE OF OPENING UPTO 180 DEGREES.<br>- WEIGHT CAPACITY ,FOR ALUMINIUM DOORS = 40 KG FOR WOODEN DOORS = 60 KG.<br>- ALTERNATIVE COMPANIES = DORSET / DORMA / OZONE<br>- DESIGN, DORSET CATALOGUE NO.- DC40 ( FOR AL. DOORS) DC 60 ( FOR WOODEN DOORS) |

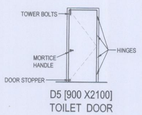



DW1

OTHER DOORS WITH SIMILAR LIST OF HARDWARES : DW5

**NOTES:-** FOR DOOR NAMES AND DETAILS REFER DWG. NO. 1404/AL/1011/R1 DT. 30-05-11

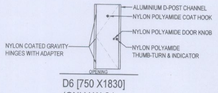
| S. NO. | HARDWARE | SPECIFICATION |
|---|---|---|
| a. | FLOOR SPRING | - FINISH = SS 304<br>- MAX DOOR WEIGHT = 250 KG.<br>- OPENING ANGLE = 90 DEGREES<br>- ADJUSTABLE SPEED VALVE, BOTH SIDE OPENING<br>- PRODUCT APPROVED UNDER NATIONAL QB/T 3884-99 STANDARD<br>- ALTERNATIVE COMPANIES = EBCO/ OZONE/ DORMA<br>- DESIGN EBCO CATALOGUE NO. - DFS 250 |
| b. | MORTICE HANDLE (on larger shutter) | - MORTICE HANDLES WITH DOUBLE DOOR ATTACHMENT FOR MORTICE LOCK( 200 MM.)<br>- MADE OF SS 304<br>- IN NATURAL MATT SS FINISH<br>- WITH ONE SIDE KEY, ONE SIDE KNOB CYLINDER 60 MM.<br>- LOCKABLE FROM OUTSIDE , WITH KNOB ON INSIDE<br>- ALTERNATIVE COMPANIES = DORSET / CRUST / KICH<br>- DESIGN- DORSET CATALOGUE NO. - ATINA HL AI SS |
| c. | TOWER BOLTS (ON SMALLER SHUTTER) | - SIZE =200 MM.<br>- FIXED VERTICALLY AT TOP ON INSIDE<br>- MADE OF SS<br>- IN SATIN SS FINISH<br>- HALF ROUND DESIGN<br>- ONE NOS. TOWER BOLT PER DOOR.<br>- ALTERNATIVE COMPANIES = DORSET/ AKS / KICH<br>- DESIGN - DORSET CATALOGUE NO. -= TBR 8 SS |
| d. | PULL HANDLES (ON SHUTTER WITH TOWER BOLTS) | - SIZE = 200 MM. (SIZE & DESIGN TO MATCH WITH MORTICE HANDLE)<br>- MADE OF SS<br>- IN NATURAL MATT SS FINISH<br>- FIXED ON BOTH INSIDE AND OUTSIDE OF SHUTTER<br>- ALTERNATIVE COMPANIES - DORSET / CRUST / KICH<br>- DESIGN - DORSET CATALOGUE NO.- NERO NE 10 P SS |




D5 [900 X2100]
TOILET DOOR

**NOTES:-** FOR DOOR NAMES AND DETAILS REFER DWG. NO. 1404/AL/1011/R1 DT. 30-05-11

| S. NO. | HARDWARE | SPECIFICATION |
|---|---|---|
| a. | HINGES | - HINGES WITH 4 BALL BEARING<br>- 4 NOS. HINGES FOR EACH SHUTTER<br>- SIZE = 125 MM. HIGH<br>- SHEET THICKNESS = 2.5 MM.<br>- MADE OF SS. 304 IN SS FINISH<br>- ALTERNATIVE COMPANIES = ZIPCO / AKS/ DORMA<br>- DESIGN , ZIPCO CATALOGUE NO. = 41 / DH4 |
| b. | DOOR HANDLES | - MORTICE HANDLES ( 200 MM.)<br>- MADE OF SS 304<br>- IN NATURAL MATT SS FINISH<br>- WITHOUT ANY CYLINDER<br>- ALTERNATIVE COMPANIES = DORSET / CRUST / KICH<br>- DESIGN, DORSET CATALOGUE NO. - ATINA ML SC |
| c. | TOWER BOLTS | - SIZE = 9"<br>- FIXED VERTICALLY AT TOP ON INSIDE<br>- MADE OF SS<br>- IN SATIN SS FINISH<br>- HALF ROUND DESIGN<br>- ONE NOS. TOWER BOLT PER DOOR.<br>- ALTERNATIVE COMPANIES = DORSET/ AKS / KICH<br>- DESIGN - DORSET CATALOGUE NO. = TBR 8 SS |
| d. | DOOR STOPPER | - DOOR MOUNTED TYPE<br>- SIZE 22 MM. DIA.<br>- ALTERNATIVE COMPANIES - DORSET / AKS |




D6 [750 X1830]
(ONLY W.C.)

**NOTES:-** FOR DOOR DETAILS REFER DWG. NO. 1404/AL/1011/R1 DT. 30-05-11

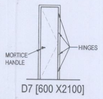
PROVIDING & FIXING 12MM THICK SOLID COMPACTED LAMINATED PANELS SHOULD BE RESISTANT TO HEAT, BACTERIA, WATER, CHEMICAL, SCRATCH & IMPACT. FINISHED PRODUCT SHOULD BE AS PER APPROVED TEXTURE, SHADE & DRAWING DETAILING AND DEVELOPED ACCORDING TOIS-2046 & BS-476/97 STANDARDS.

THE DOOR SETUP INCLUDES NECESSARY HARDWARE FITTINGS, MADE OUT OF NYLON POLYAMIDE & ALUMINIUM ANODISED, AS PER MANUFACTURER'S SPECIFICATIONS & ARCHITECT'S INSTRUCTIONS.

HARDWARE FITTINGS CONSISTS OF :--
1) D-POST DOOR CHANNEL (ANODISED)
2) HINGES ADAPTORS
3) GRAVITY HINGES
4) PRIVACY THUMB-TURN LOCKSET WITH INDICATOR
5) COAT HOK
6) DOOR KNOB
7) NOISE DEAFENING TAPE
8) SCREWS & WALL PLUGS

ALUMINIUM D-POST CHANNELS (DIA 31.1 MM) WILL BE FIXED TO THE WALL WITH SS (GRADE-304) SCREW. DOORS WILL BE ATTACHED TO THE POLES BY AN ARRANGEMENT OF HINGE ADAPTORS & HINGES. FURTHER ALUMINIUM POLES WILL BE INCORPORATED WITH THE RUBBER NOISE DEAFENING STRIP TO REDUCE THE NOISE EFFECT.

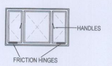
DOOR SETUP COMES WITH A STANDARD DIMENSION OF 1980MM (HEIGHT) X 750MM(WIDTH)




D7 [600 X2100]

**NOTES:-** FOR DOOR DETAILS REFER DWG. NO. 1404/AL/1011/R1 DT. 30-05-11

| S. NO. | HARDWARE | SPECIFICATION |
|---|---|---|
| a. | HINGES | - HINGES WITH 4 BALL BEARING<br>- 4 NOS. HINGES FOR EACH SHUTTER<br>- SIZE = 125 MM. HIGH<br>- SHEET THICKNESS = 2.5 MM.<br>- MADE OF SS. 304 IN SS FINISH<br>- ALTERNATIVE COMPANIES = ZIPCO / AKS/ DORMA<br>- DESIGN , ZIPCO CATALOGUE NO. = 41 / DH4 |
| b. | DOOR HANDLES | - MORTICE HANDLES ( 200 MM.)<br>- MADE OF SS 304<br>- IN NATURAL MATT SS FINISH<br>- WITHOUT ANY CYLINDER<br>- ALTERNATIVE COMPANIES = DORSET / CRUST / KICH<br>- DESIGN, DORSET CATALOGUE NO. - ATINA ML SC |

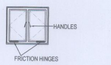



W1,W2,W4,W6
SIDE HUNG WINDOW

NOTES ALL OTHER SIDE HUNG WINDOWS SHALL HAVE THE SAME HARDWARE REQUIREMENT AS SPECIFIED BELOW

FOR WINDOW NAMES AND DETAILS REFER DWG. NO. 1404/AL/1011/R1 DT. 30-05-11

| S. NO. | HARDWARE | SPECIFICATION |
|---|---|---|
| a. | FRICTION HINGES | - MADE OF AISI-304 SS<br>- NATURAL SS MATT FINISH<br>- WITH PRESSURE ADJUSTABLE BRAKES FOR STOPPING<br>- SIZE = 16"<br>- ALTERNATIVE COMPANIES = EBCO / ROTTO / ZIPCO<br>- DESIGN , EBCO CATALOGUE NO. = FRS 16 |
| b. | WINDOW HANDLES | - HANDLES FOR ALUMINIUM WINDOWS<br>- MADE OF ALUMINIUM<br>- POWDER COATED TO MATCH THE COLOR OF ALUMINIUM WINDOW (COPPER SHADED)<br>- ALTERNATIVE COMPANIES = EBCO/ ROTTO/ ALUPLAST<br>- DESIGN , EBCO CATALOGUE NO = ALUMINIUM WINDOW HANDLE - DELUXE -AWH D1 |




W7,W8,W9,W10
SIDE HUNG WINDOW

NOTES ALL OTHER SIDE HUNG WINDOWS SHALL HAVE THE SAME HARDWARE REQUIREMENT AS SPECIFIED BELOW

FOR WINDOW NAMES AND DETAILS REFER DWG. NO. 1404/AL/1011/R1 DT. 30-05-11

| S. NO. | HARDWARE | SPECIFICATION |
|---|---|---|
| a. | FRICTION HINGES | - MADE OF AISI-304 SS<br>- NATURAL SS MATT FINISH<br>- WITH PRESSURE ADJUSTABLE BRAKES FOR STOPPING<br>- SIZE = 16"<br>- ALTERNATIVE COMPANIES = EBCO / ROTTO / ZIPCO<br>- DESIGN , EBCO CATALOGUE NO. = FRS 16 |
| b. | WINDOW HANDLES | - HANDLES FOR ALUMINIUM WINDOWS<br>- MADE OF ALUMINIUM<br>- POWDER COATED TO MATCH THE COLOR OF ALUMINIUM WINDOW (COPPER SHADED)<br>- ALTERNATIVE COMPANIES = EBCO/ ROTTO/ ALUPLAST<br>- DESIGN , EBCO CATALOGUE NO = ALUMINIUM WINDOW HANDLE - DELUXE -AWH D1 |

V1,V2,V3
(TOP HUNG OPENING OUT)

NOTES ALL OTHER SIDE HUNG VENTILATORS SHALL HAVE THE SAME HARDWARE REQUIREMENT AS SPECIFIED BELOW

FOR WINDOW NAMES AND DETAILS REFER DWG. NO. 1404/AL/1011/R1 DT. 30-05-11

| S. NO. | HARDWARE | SPECIFICATION |
|---|---|---|
| a. | FRICTION HINGES | - MADE OF AISI-304 SS<br>- NATURAL SS MATT FINISH<br>- WITH PRESSURE ADJUSTABLE BRAKES FOR STOPPING<br>- SIZE = 16"<br>- ALTERNATIVE COMPANIES = EBCO / ROTTO / ZIPCO<br>- DESIGN , EBCO CATALOGUE NO. = FRS 16 |
| b. | WINDOW HANDLES | - HANDLES FOR ALUMINIUM WINDOWS<br>- MADE OF ALUMINIUM<br>- POWDER COATED TO MATCH THE COLOR OF ALUMINIUM WINDOW (COPPER SHADED)<br>- ALTERNATIVE COMPANIES = EBCO/ ROTTO/ ALUPLAST<br>- DESIGN , EBCO CATALOGUE NO = ALUMINIUM WINDOW HANDLE - DELUXE - AWH D1 |

NOTES
1. ALL DIMENSIONS ARE IN MM.
2. WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. ANY DISCREPANCY IN THIS DRAWING SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT BEFORE EXECUTION.
4. THIS DRAWING IS THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE USED OR REPRODUCED WITHOUT PERMISSION.
5. THIS DRG. SHALL BE READ IN CONJUNCTION WITH DRG. NO. 1404/AL/1011/R1 DT. 30/05/11

Revised 30 MAY 2011
TENDER COMPONENT
For ARCHITECTS COSMIC DESIGNS (P) LTD. 17-A, FIRST FLOOR JOPLING ROAD, LUCKNOW
28 JUN 2011

| REV. NO. | DATE | REVISIONS |
|---|---|---|
| R1 | 27/06/11 | DRG MODIFIED FOR REVISED TENDER DOCUMENT |

PROJECT:
INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH AT MOHALI, PUNJAB

BUILDING :
HEALTH CENTER

DRG. TITLE :
**HARDWARES - DOORS & WINDOWS**

| NORTH | DATE | DRAWING NO. |
|---|---|---|
| — | 30/05/11 | 1404/AL/1012/R1 |
| | SCALE | |
| | N.T.S | |

ARCHITECT- D.S.BHUI
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