

PROVIDE STRUCTURAL

FIRERESISTIVE MATERIAL

RECTANGULAR TYPE B

DAMPER

(MAX.)

STEEL SLEEVE,

20 GA. MINIMUM

THAN DUCT GAUGE

BUT NOT LESS

RECTANGULAR FIRE DAMPER INSTALLATION DETAIL WHERE 12×12 ACCESS DOOR IS NOT POSSIBLE

FIRE DAMPER, FASTEN - DUCTMATE

CONNECTION

- DUCTMATE

CONNECTION

OPENING, LINE WITH

TO SLEEVE

1-1/2"x1-1/2"x14 GA. MINIMUM

LAP OPENING I" MINIMUM,

FASTEN TO SLEEVE

- RECTANGULAR DUCT

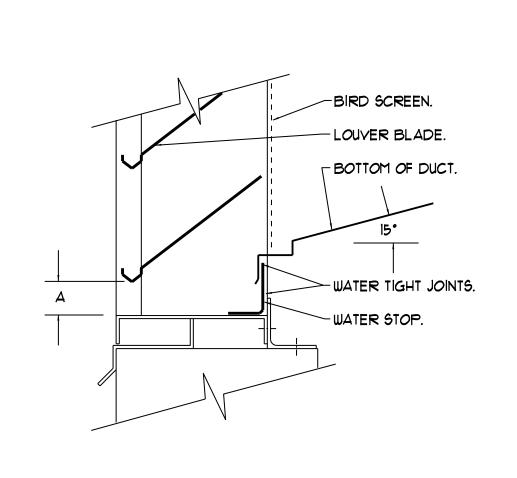
ON ALL SIDES

RETAINING ANGLE ALL AROUND,

1/8" PER LINEAL FOOT

6" MAX. SLEEVE PROJECTION

CLEARANCE ALL AROUND



FLOOR.

WASHING MACHINE

HOOK-UP DETAIL

1/2" CW 4 HW SUPPLIES

MACHINE SUPPLY AND

2" DRAIN CONCEALED

WASHING MACHINE (NIC).

IN-WALL WASHING

DRAIN FIXTURE.

- ACCESS PANEL.

-1-1⁄2" VENT.

IN WALL.

2" TRAP.-

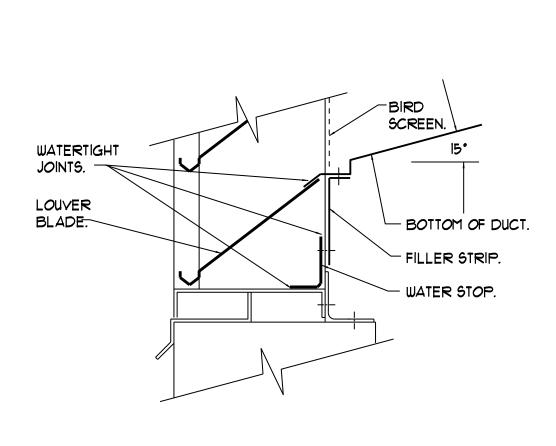
INSTALL SHUT OFF VALVES

IN ACCESSIBLE LOCATION.

LOUVER CONNECTION DETAIL

NTS

NOTE TYPICAL FOR LOUVERS AND BLOCK VENTS.
IF DIMENSION "A" IS LESS THAN I INCH
SEE MODIFIED LOUVER DETAIL AT RIGHT
(LOUVERS ONLY).



MODIFIED LOUVER DETAIL

/-2" TO INDIRECT WASTE.

- ELEVATOR SHAFT.

SUMP PUMP - SET

AND OFF AT 2". —

STANCOR OIL-MINDER SE50 OR EQUAL

FLOAT FOR ON AT 14"

UNION. -

CHECK

UNION.-

ELEVATOR SUMP PUMP PIPING DETAIL

VALVE.

LOUVER
BLADE:

ACCESS
DOOR:

MOD, LOCATED
WHERE SHOWN
ON PLAN.

WATERTIGHT JOINT

EXTERIOR

1-1/2"x1-1/2"x14 GA. MINIMUM

LAP OPENING I" MINIMUM,

FASTEN TO SLEEVE -

1/8" PER LINEAL FOOT

RETAINING ANGLE ALL AROUND,

CLEARANCE ALL AROUND

S-SLIP TYPE

BREAKAWAY

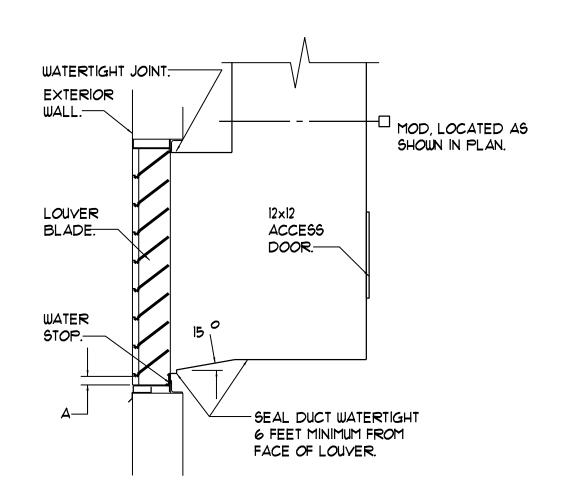
CONNECTION, TYP.

6" MAX. SLEEVE PROJECTION

ON ALL SIDES -

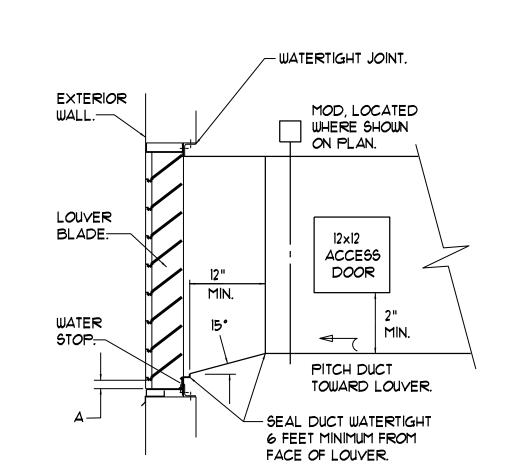
LOUVER DETAIL WITH DUCT FROM BELOW

NOTE IF DIMENSION "A" IS LESS THAN I INCH SEE MODIFIED LOUVER DETAIL THIS SHEET.



LOUVER DETAIL WITH DUCT FROM ABOVE

NTS NOTE IF DIMENSION "A" IS LESS THAN I INCH SEE MODIFIED LOUVER DETAIL THIS SHEET.



PROVIDE STRUCTURAL

FIRERESISTIVE MATERIAL

RECTANGULAR TYPE B

- 12×12 AD

- RECTANGULAR DUCT

S-SLIP TYPE

BREAKAWAY

CONNECTION, TYP.

FIRE DAMPER, FASTEN

TO SLEEVE

_STEEL SLEE√E,

20 GA. MINIMUM

BUT NOT LESS

THAN DUCT GAUGE

AD

RECTANGULAR FIRE DAMPER

INSTALLATION DETAIL

OPENING, LINE WITH

LOUVER DETAIL WITH HORIZONTAL DUCT

NTS

FOR PERMIT 09-30-16

NOTE IF DIMENSION "A" IS LESS THAN I INCH SEE MODIFIED LOUVER DETAIL THIS SHEET.



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ISSUE DATE	
PRELIM	01-17-16
SFMO	-
CD's	-
REV. 1	-
REV. 2	-
PRINT	09-30-16

MECHANICAL DETAILS

M4.3