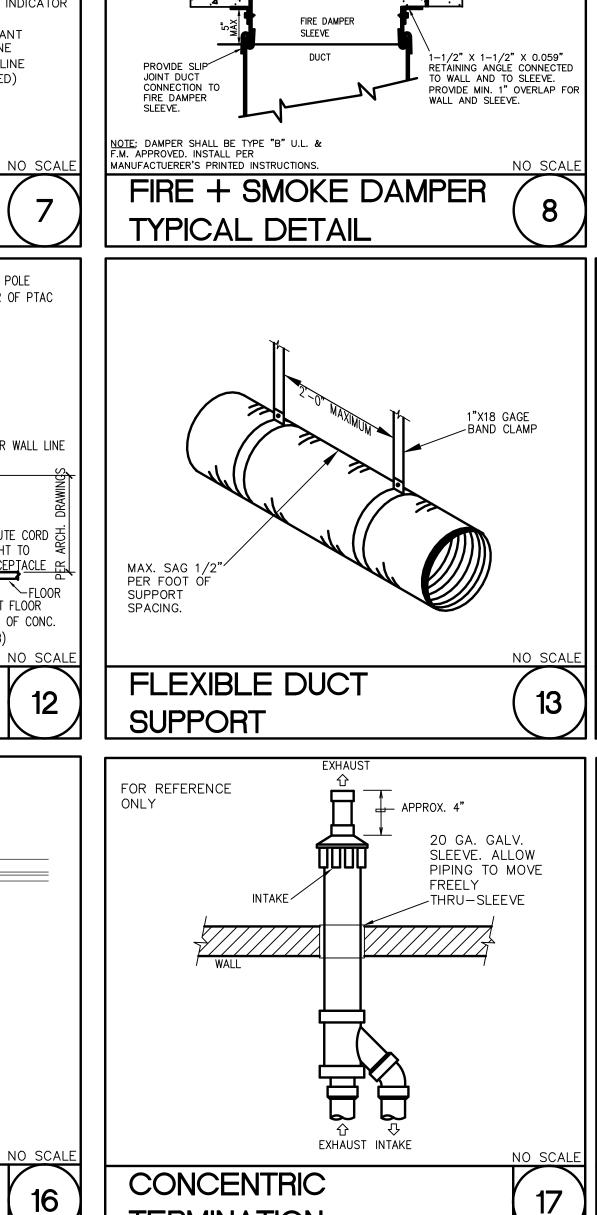


SPIRAL DUCT MOUTING

DETAILS



TERMINATION

DUCT SIZE AS SHOWN ON PLANS

3" MAX.RADIUS (TYP.)

DEGREES BEND.

TURNING VANE DETAIL

FIRE DAMPER

SLEEVE

SMOKE DETECTOR SHALL

INSTALLED IN DUCT WITHIN 5

DAMPER SHALL CLOSE UPON

DETECTION OF SMOKE BY

SMOKE DETECTOR

BE PROVIDED BY E.C. AND

OF DAMPER WITH NO AIR OUTLETS OR INLETS BETWEEN NOTE: TURNING VANES REQ'D

RETURN DUCT EXCEEDING 30

ON EACH SUPPLY &

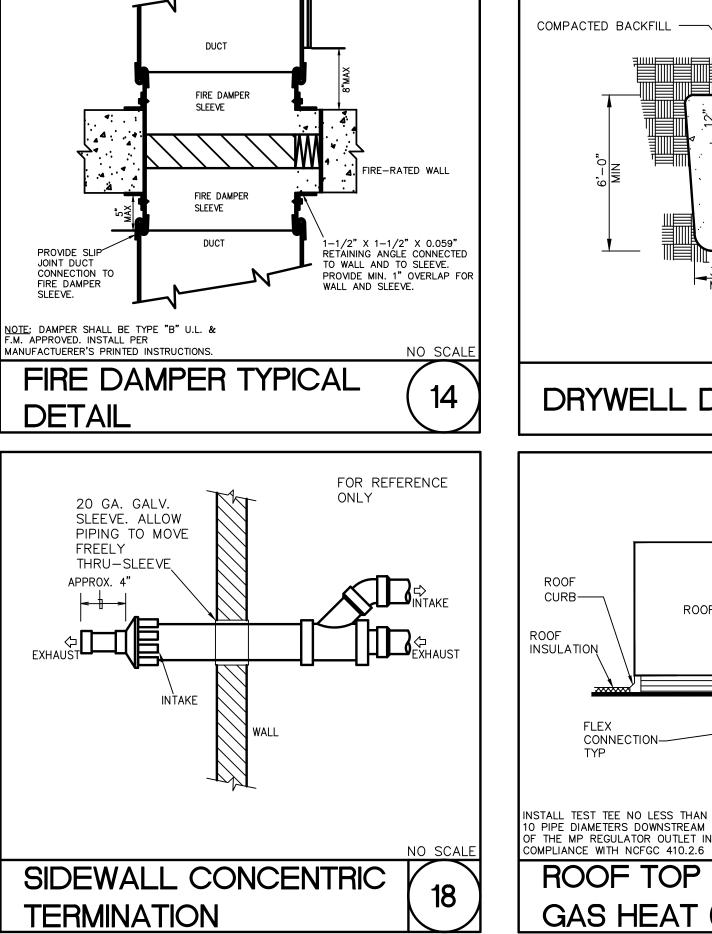
3" STRAIGHTENER REQ'D

ON LEADING EDGE OF

—EACH VANE (TYPICAL)

OUCT ACCESS PANEL

RE-RATED WALL



DUCT

—SEE NOTE

—SEE NOTE

UCT ACCESS PANEL

NO SCAL

TYP CONNECTIONS BETWEEN DUCT AND CEILING OR SLOT DIFFUSERS AND

SINGLE OR DOUBLE SIDED SADDLE BOOT LIGHT FIXTURES AS SHOWN ON

FLEXIBLE DUCT CONNECTION TO METAL DUCT

FLEXIBLE CONNECTION TO SUPPLY DIFFUSER

NOTE: ALL FLEXIBLE DUCT CONNECTIONS TO SHEET METAL SHALL BE SECURED WITH NYLON STRAP AND 2 SHEET METAL SCREWS

FLEX CONNECTIONS

ONLY ONE 90° TURN ALLOWED IN FLEX DUCT WITH TURN R/D

> 1.0; DUCT MUST BE PROPERLY SUPPORTED TO PREVENT KINKING

IF ADDITIONAL 90° TURNS ARE REQD TO CONNECT OUTLET TO DIFFUSER, EXTEND TAP AND PROVIDE EXTERNALLY INSULATED STOVE PIPE ELLS AS

SEAL INSULATION

TO DUCT WITH

-SEAL WITH DRAW

BAND AT TAP

CONNECTION AND

DIFFUSER/FIXTUR

CAULKING

SPIN IN COLLAR WITH

AND LOCKING DEVICE

MAX 5' LENGTH OF FLEX DUCT

FLEX DUCT WITH EXTERNAL

BLANKET INSULATION (TYP)

MANUAL VOLUME DAMPER

EXTEND TAP AS REQD TO ALLOW

BETWEEN CONNECTION AND DIFFUSER

PLANS OR INDICATED IN SCHEDULE

PERFORATED DIFFUSER -

HORIZONTAL DYNAMIC FIRE DAMPER

DUCTWORK AND PIPING.

FOR EQUIPMENT IN

ACCORDANCE WITH

MANUFACTURER'S

SIZE AND INSTALL ALL PIPING

RECOMMENDATIONS FOR THIS

MECHANICAL CONTRACTOR TO

INSTALL FAN COIL UNIT 42" AFF. FURNISH AND INSTALL

SUPPORT. WATER HEATER

WILL BE INSTALLED BELOW

TO HUB DRAIN IN SAME ROOM. COORDINATE WITH

UNIT. EXTEND CONDENSATE

PLUMBING CONTRACTOR.
PROVIDE ACCESS FOR FILTER

PROVIDE SUPPLY PLENUM FOR

FLEX DUCT CONNECTION.
INSTALL BUTTERFLY DAMPER

AT EACH CONNECTION. ORIENT

PLENUM W/ STRUCTURE WHERE

FLEX CONNECTION

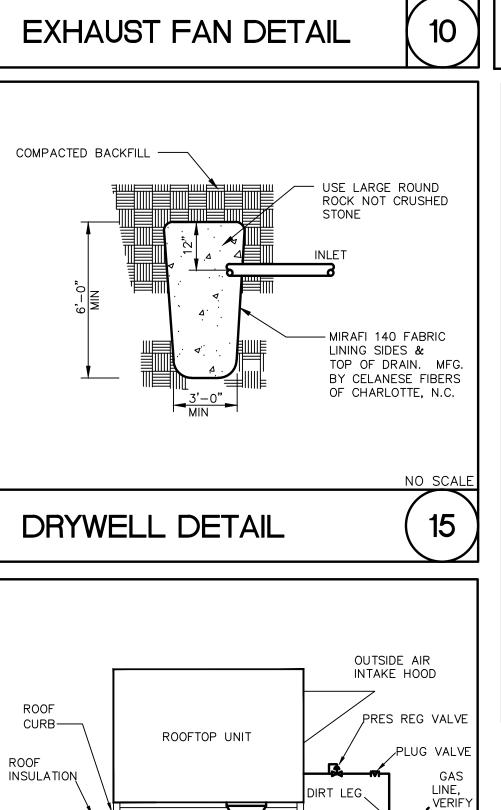
RIGID METAL DUCT

- REFER TO ARCHITECTURAL

FOR CEILING TYPE.

(SEE PLAN FOR SIZE)

PARTICULAR APPLICATION.



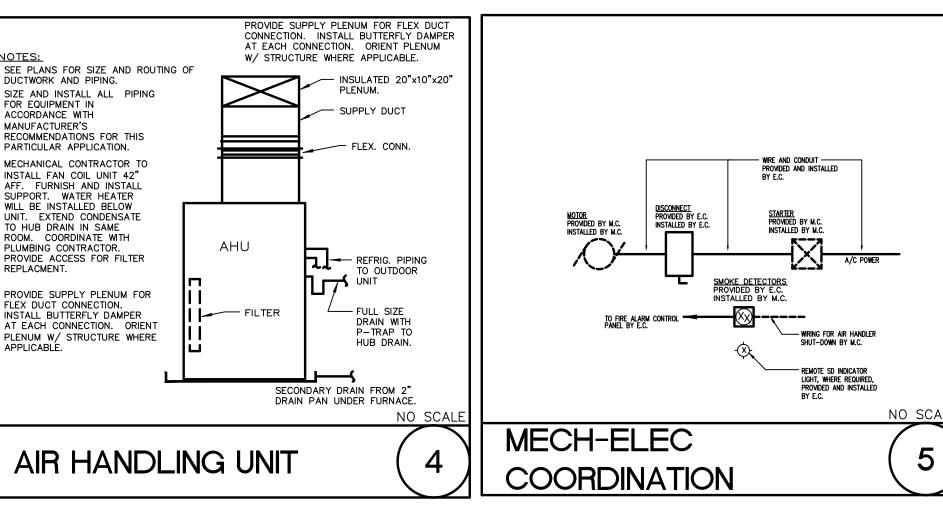
CONNECTION

OF THE MP REGULATOR OUTLET IN

OMPLIANCE WITH NCFGC 410.2.6

ROOF TOP UNIT WITH

GAS HEAT (AAON UNIT)

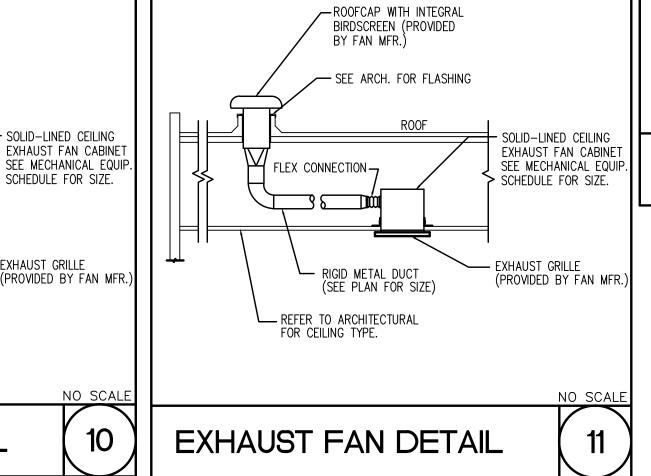


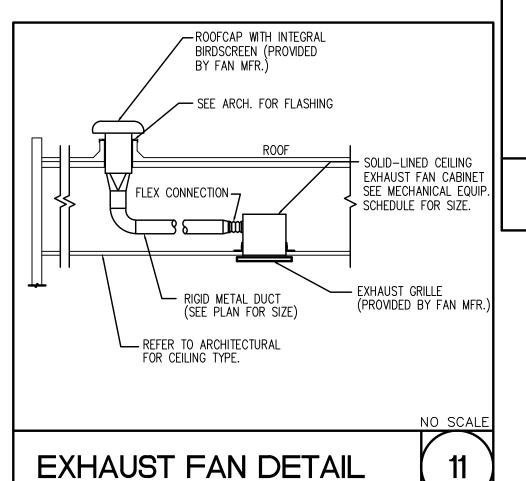
SOLID-LINED CEILING

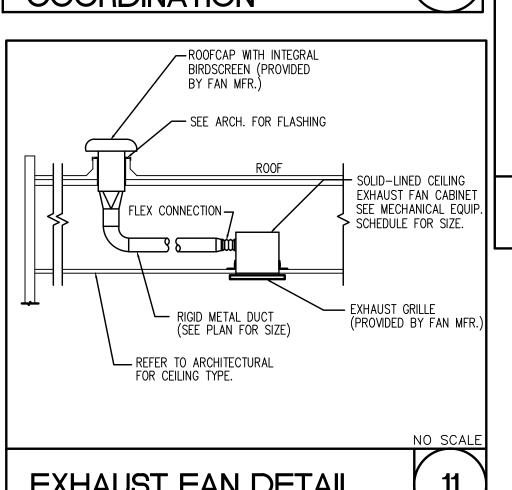
SCHEDULE FOR SIZE.

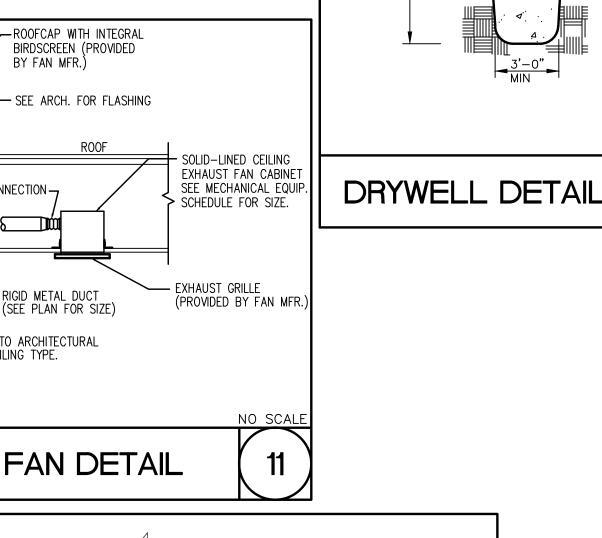
EXHAUST GRILLE

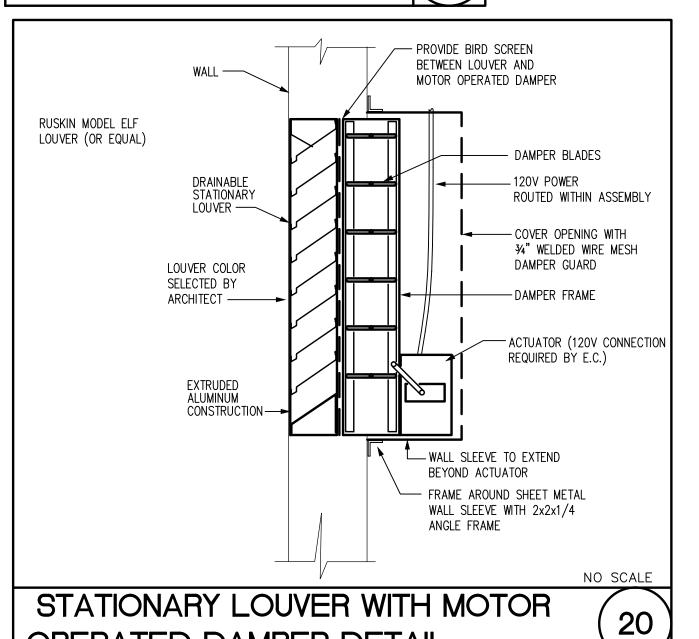
CURB ADAPTER TO MATCH ROOF OPENING

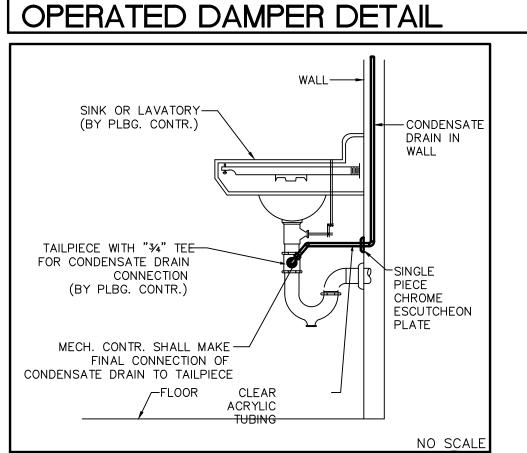












21

CONDENSATE DRAIN IN

SINK CONNECTION

MISHRA

CONSULTING ENGINEERS

2905-D Queen City Dr.

Charlotte, NC 28208

P: (704) 399-3943 F: (704) 394-5648

www.allied-engineers.com

Allied #14417

- USE LARGE ROUND

STONE

ROCK NOT CRUSHED

MIRAFI 140 FABRIC LINING SIDES &

TOP OF DRAIN. MFG.

BY CELANESE FIBERS

6

OF CHARLOTTE, N.C.

COMPACTED BACKFILL -

6800 S Creek Rd, Charlotte, NC 28277 Ph: (704) 625-6554 Fax: (704) 919-5822 EMAIL:ashish@mishraarch.com WEB: www.mishraarch.com

Benchmark Engineering and Surveying 101 Highpointe Court, Suite B Brandon, MS 39042 Phone: (601) 591-1077 Fax: (601) 591-0177 Email:mikebes@bellsouth.net

STRUCTURAL WGPM, Inc. 11220 Elm Lane, Suite 201 Charlotte, NC 28277

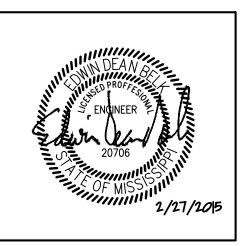
> Phone: (704) 542-7199 Fax: (704) 542-7195

Email: lwright@wgpminc.com MEP: Allied Consulting Engineers 2905-D Queen City Drive

Charlotte, NC 28208 Phone: (704) 399-3943 Email: asoler@allied-engineers.com

REVISIONS		
No.	Date	Description
1		

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KEY PLAN

Shiva Southaven

Holiday Inn Express & Suites

Lot 16 (Rev Lot 3) Southcrest Southcrest Subdivision Southaven, MS 38671

Drawing Title

MECHANICAL DETAILS

Construction Documents

14-081 Prepared by CRM Checked by EDB Date Feb. 27, 2015