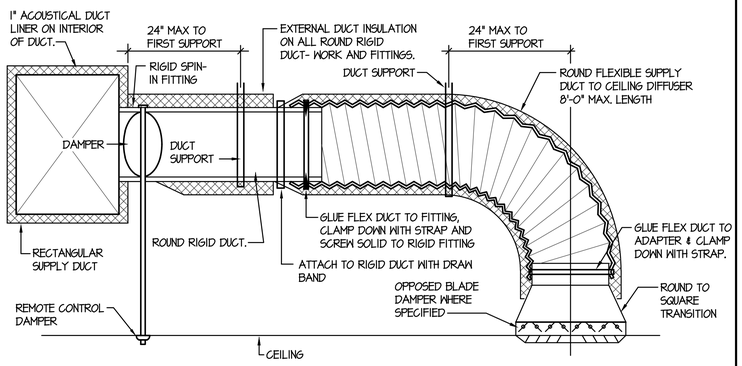
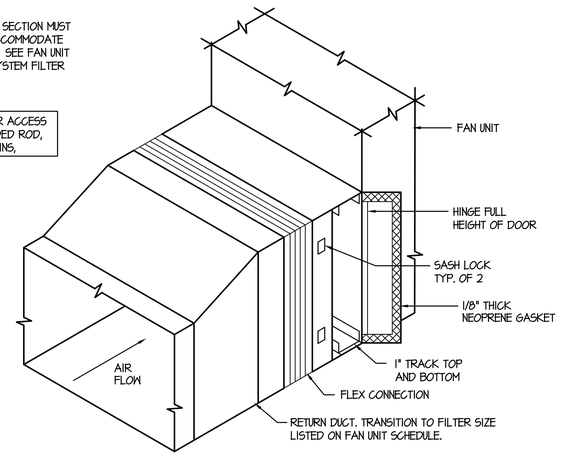


A | CEILING DIFFUSER DETAIL WITH FLEXIBLE DUCT | NO SCALE

NOTE: EXTERNAL FILTER SECTION MUST BE CONSTRUCTED TO ACCOMMODATE STANDARD FILTER SIZE. SEE FAN UNIT SCHEDULE SHEET FOR SYSTEM FILTER SIZE.

DO NOT BLOCK FILTER ACCESS WITH CONDUIT, THREADED ROD, OR CONDENSATE DRAINS,



B | EXTERNAL FILTER SECTION DETAIL | NO SCALE

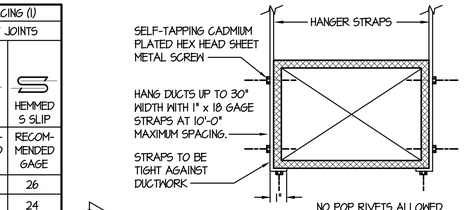
DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	TRANSVERSE REINFORCING (1) MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	AT JOINTS: DRIVE SLIP RECOM-MENDED GAGE	AT JOINTS: HEMMED S SLIP RECOM-MENDED GAGE
UP THRU 12	26	NONE REQUIRED	26	26
13 - 18	24	NONE REQUIRED	24	24
19 - 30	24	1"x1"x1/8" @ 60 IN	-	24

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

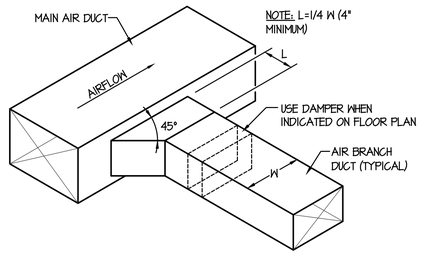
METAL FASTENERS - OMARK INSULPINS, DURO DYNE FASTENERS OR GRIPNAILS.

GRIP NAILS SHALL BE INSTALLED BY GRIPNAIL AIR HAMMER OR BY AUTOMATIC FASTENER EQUIP.

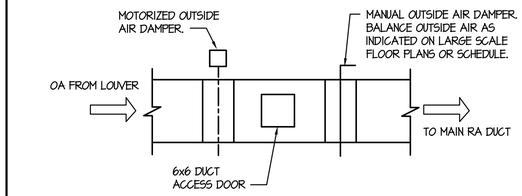
ENDS OF LINER SHALL BE BUTTED FIRMLY TOGETHER



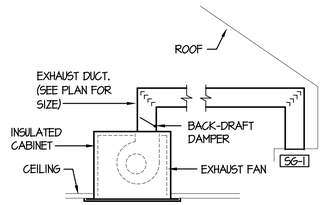
C | DUCT CONSTRUCTION AND HANGER DETAILS | NO SCALE



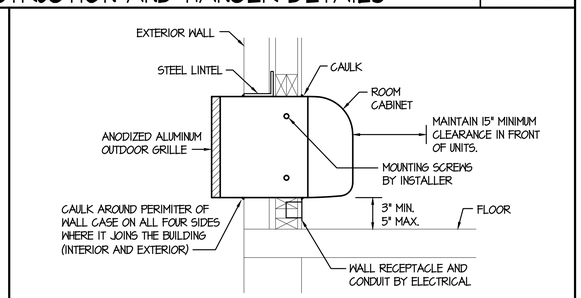
D | RETANGULAR DUCT CONNECTION | NO SCALE



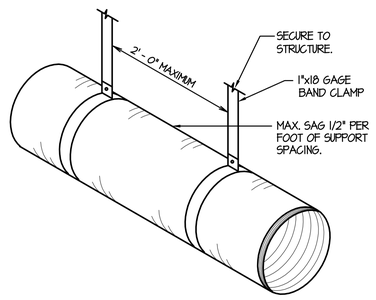
E | TYPICAL O.A. DAMPER DETAILS | NO SCALE



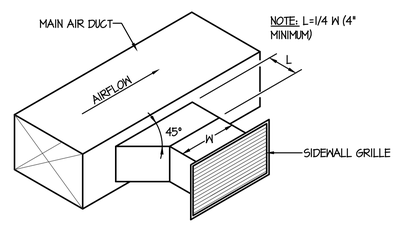
F | CEILING MOUNTED EXHAUST FAN | NO SCALE



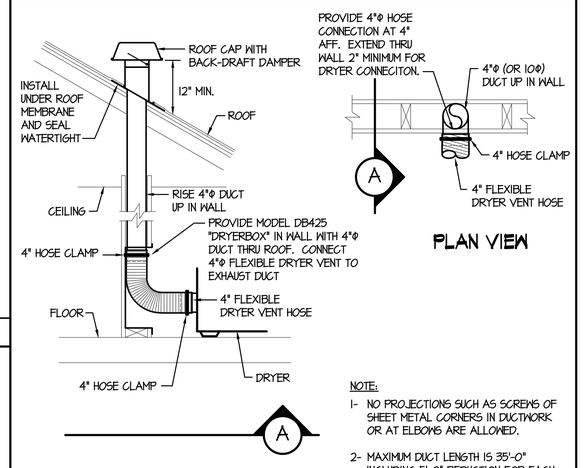
G | THRU-THE-WALL A/C UNIT DETAIL | NO SCALE



H | FLEXIBLE DUCT SUPPORT DETAIL | NO SCALE



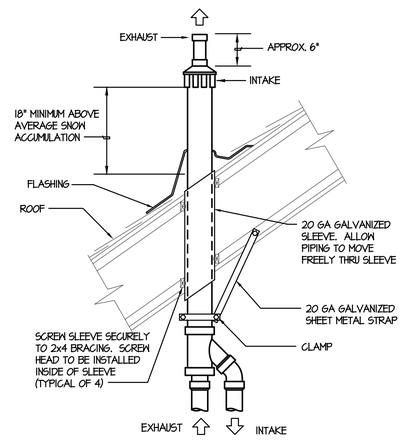
J | SIDEWALL GRILLE CONNECTION | NO SCALE



NOTE:
1- NO PROJECTIONS SUCH AS SCREWS OF SHEET METAL CORNERS IN DUCTWORK OR AT ELBOWS ARE ALLOWED.

2- MAXIMUM DUCT LENGTH IS 35'-0" INCLUDING 5'-0" REDUCTION FOR EACH 90Φ ELBOW.

K | DRYER VENT INSTALLATION | NO SCALE



L | CONCENTRIC VENT TERMINATION | NO SCALE

ORIGINAL DRAWING SIGNED BY:
DWAYNE C. SUDWEEKS
ON
Oct 03, 2017
ORIGINAL ON FILE AT ENGINEERED SYSTEMS, ASSOC. 1355 EAST CENTER, POCATELLO, IDAHO 83201

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HOMESTEAD BUILDING #3 ADDITION
407 W. 1ST N.
REXBURG ID
PERMIT SET 10/03/2017

Δ	DATE	REVISION

PROJECT NUMBER 170406

MECHANICAL DETAILS

M-301

File - F:\17\17045 Homestead Bldg 3\170_M301.dwg Oct. 03, 2017 - 10:48am By: Mike