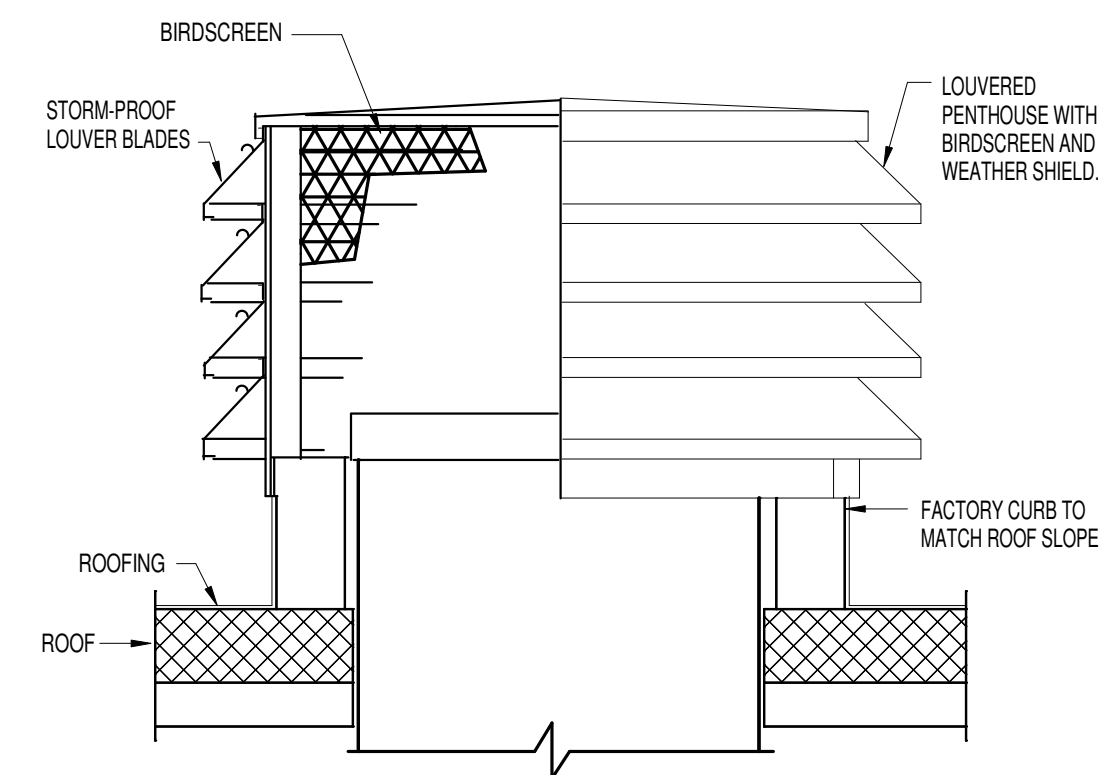


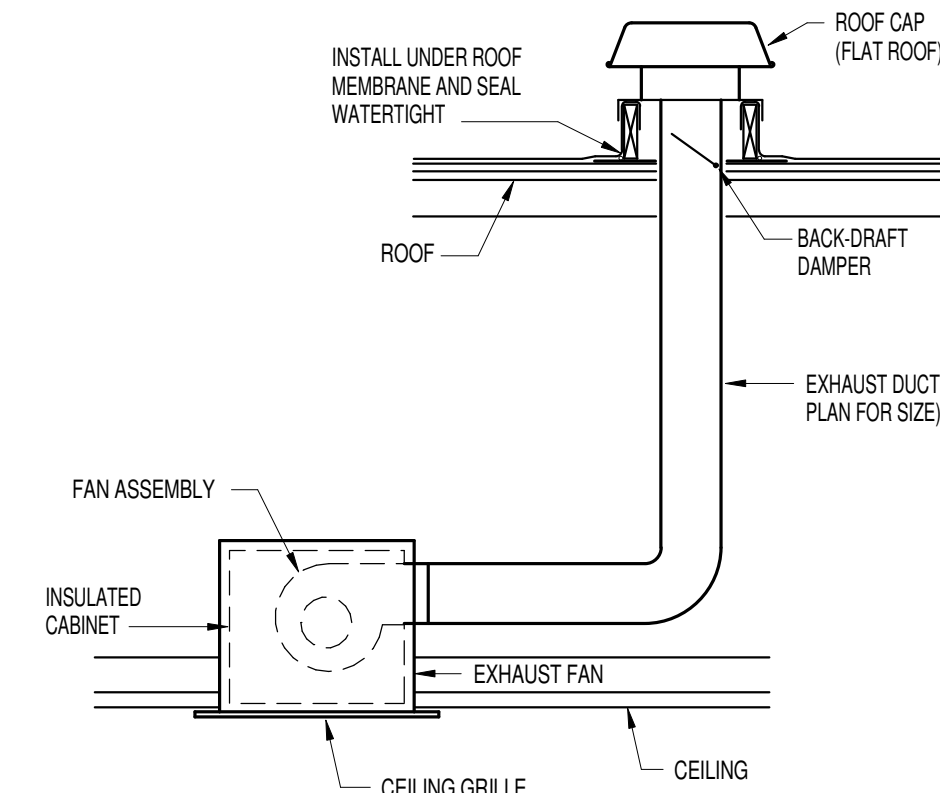
A RECTANGULAR DUCT CONNECTION DETAIL

NO SCALE



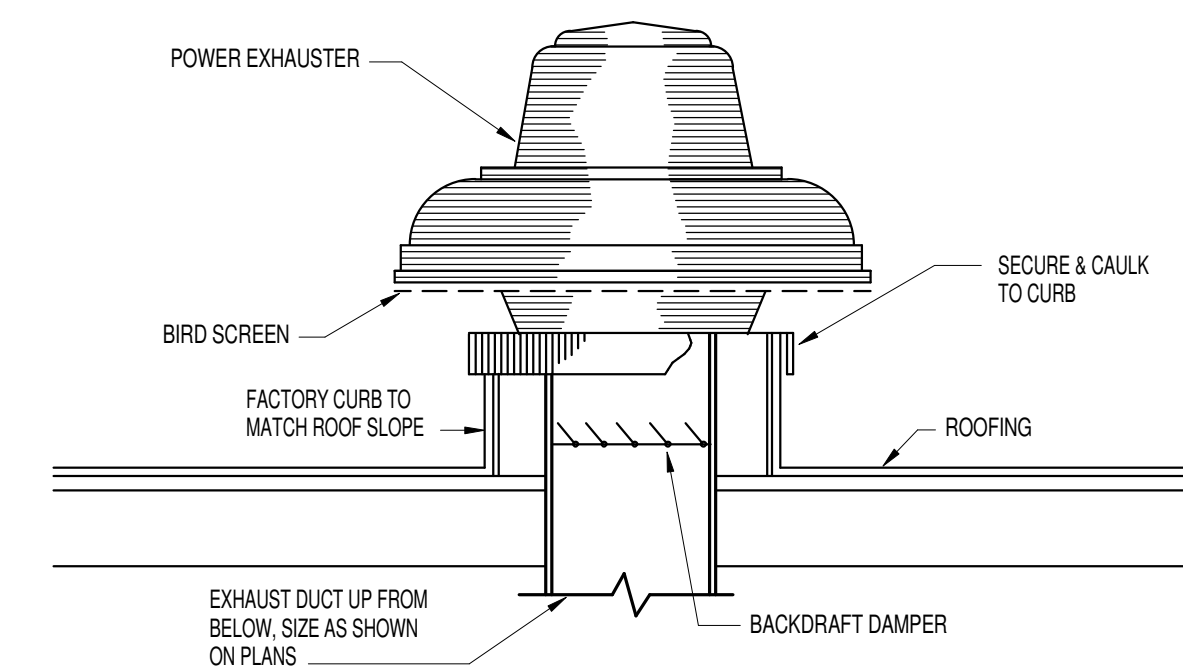
B PENTHOUSE DETAIL

NO SCALE



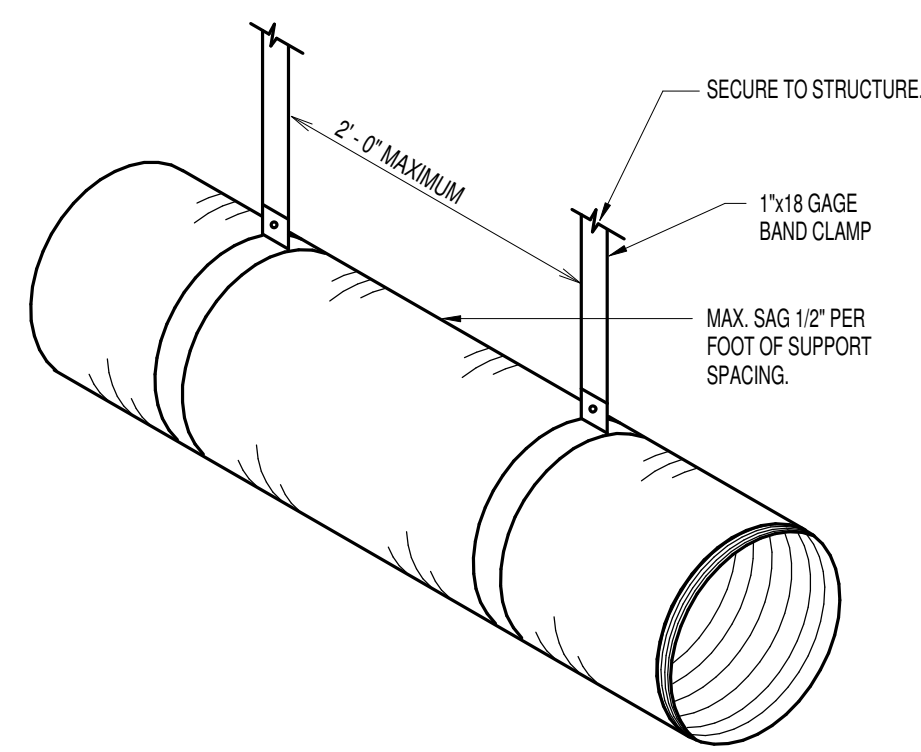
C CEILING MOUNTED EXHAUST FAN DETAIL

NO SCALE



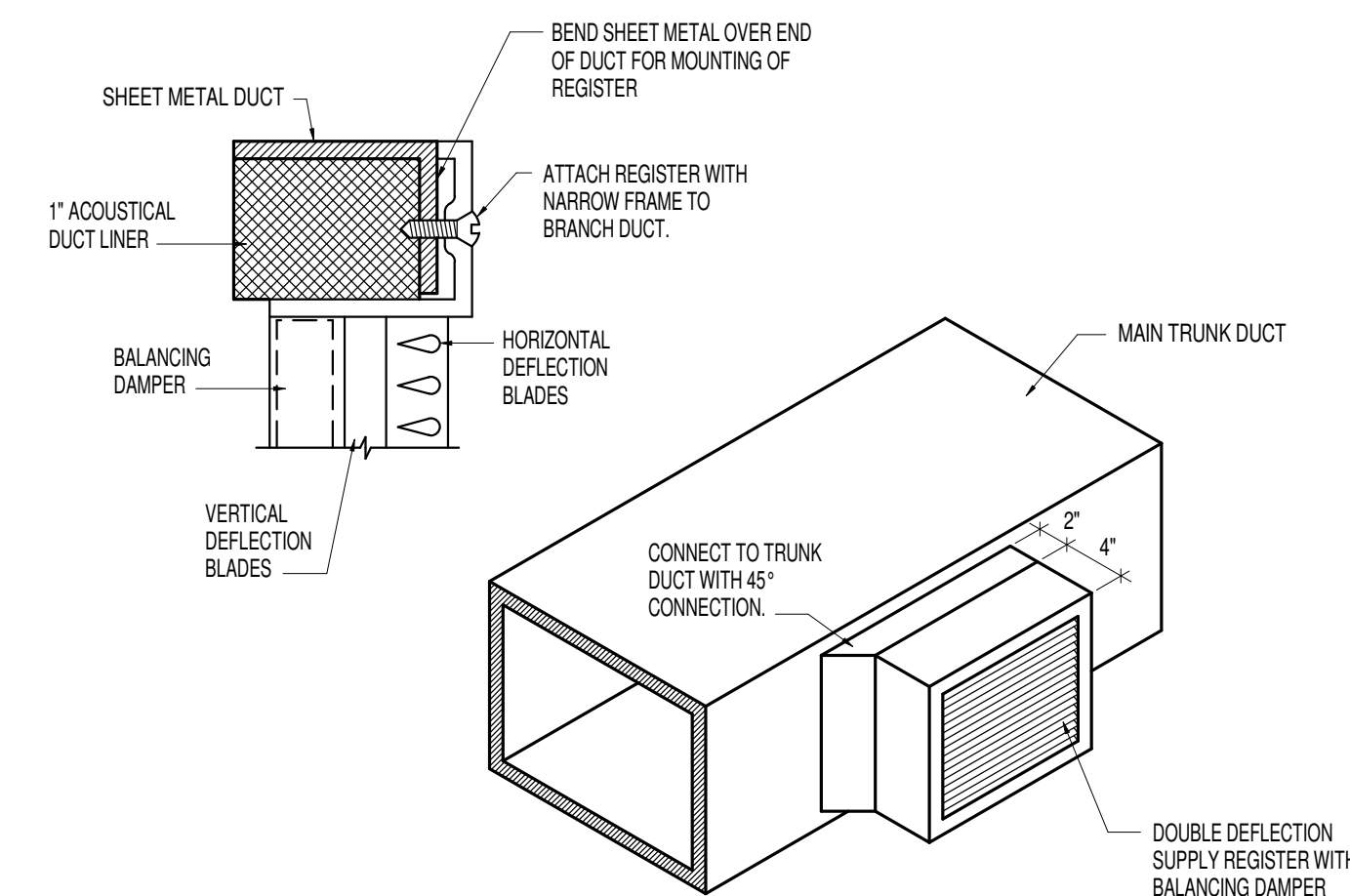
D ROOF TOP EXHAUST FAN DETAIL

NO SCALE



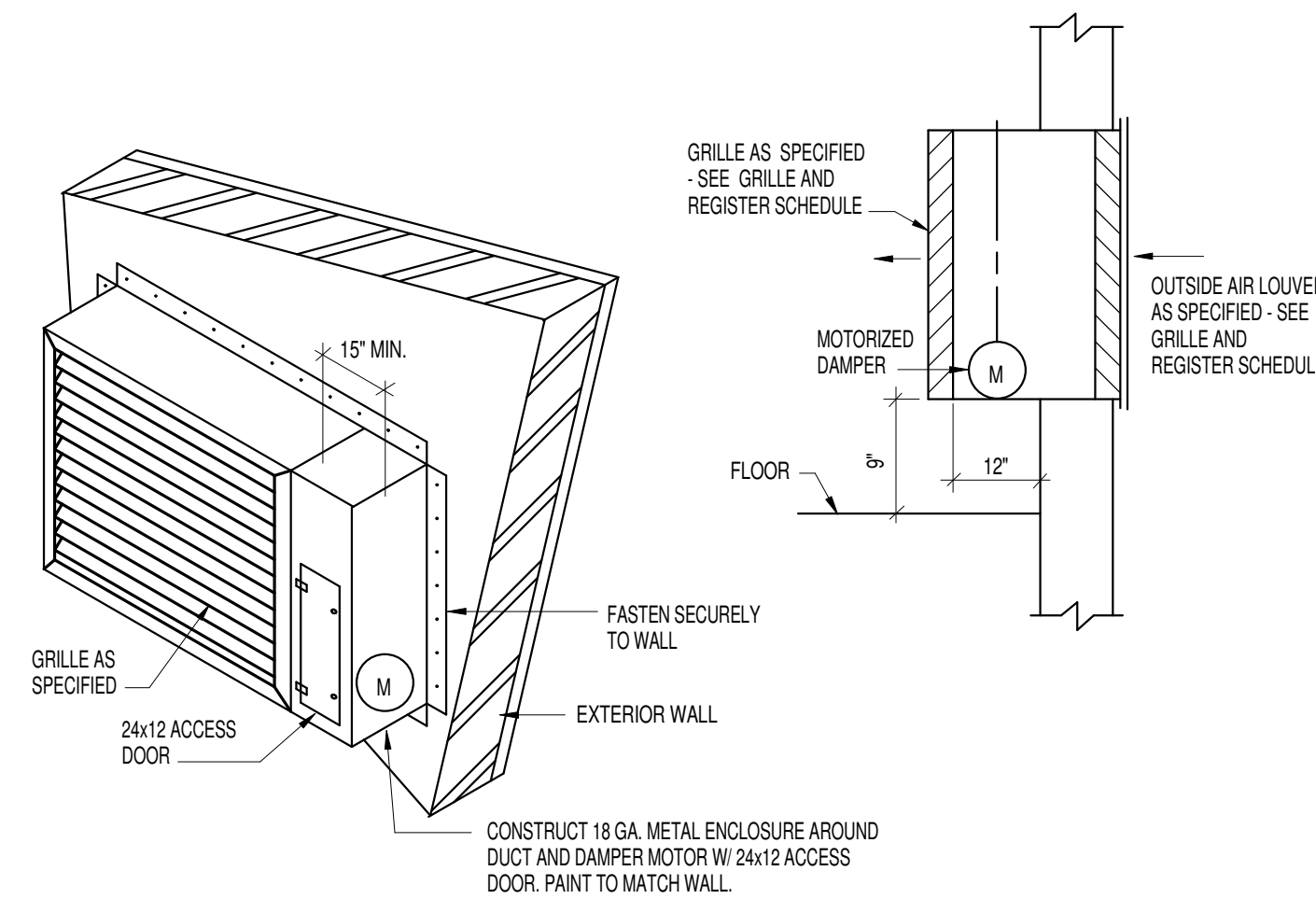
E FLEXIBLE DUCT SUPPORT DETAIL

NO SCALE



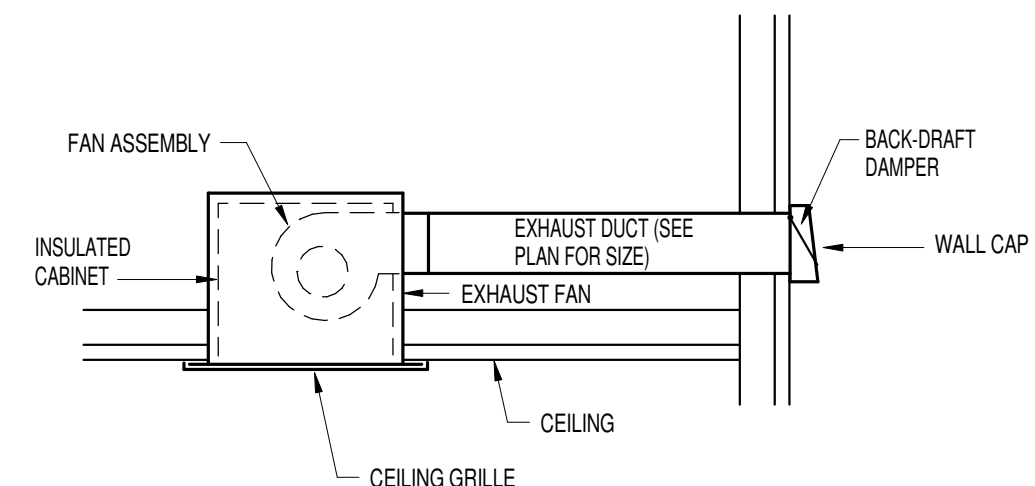
F SIDEWALL REGISTER CONNECTION DETAIL

NO SCALE



G VENTILATION AIR LOUVER DETAIL

NO SCALE



H CEILING MOUNTED EXHAUST FAN DETAIL

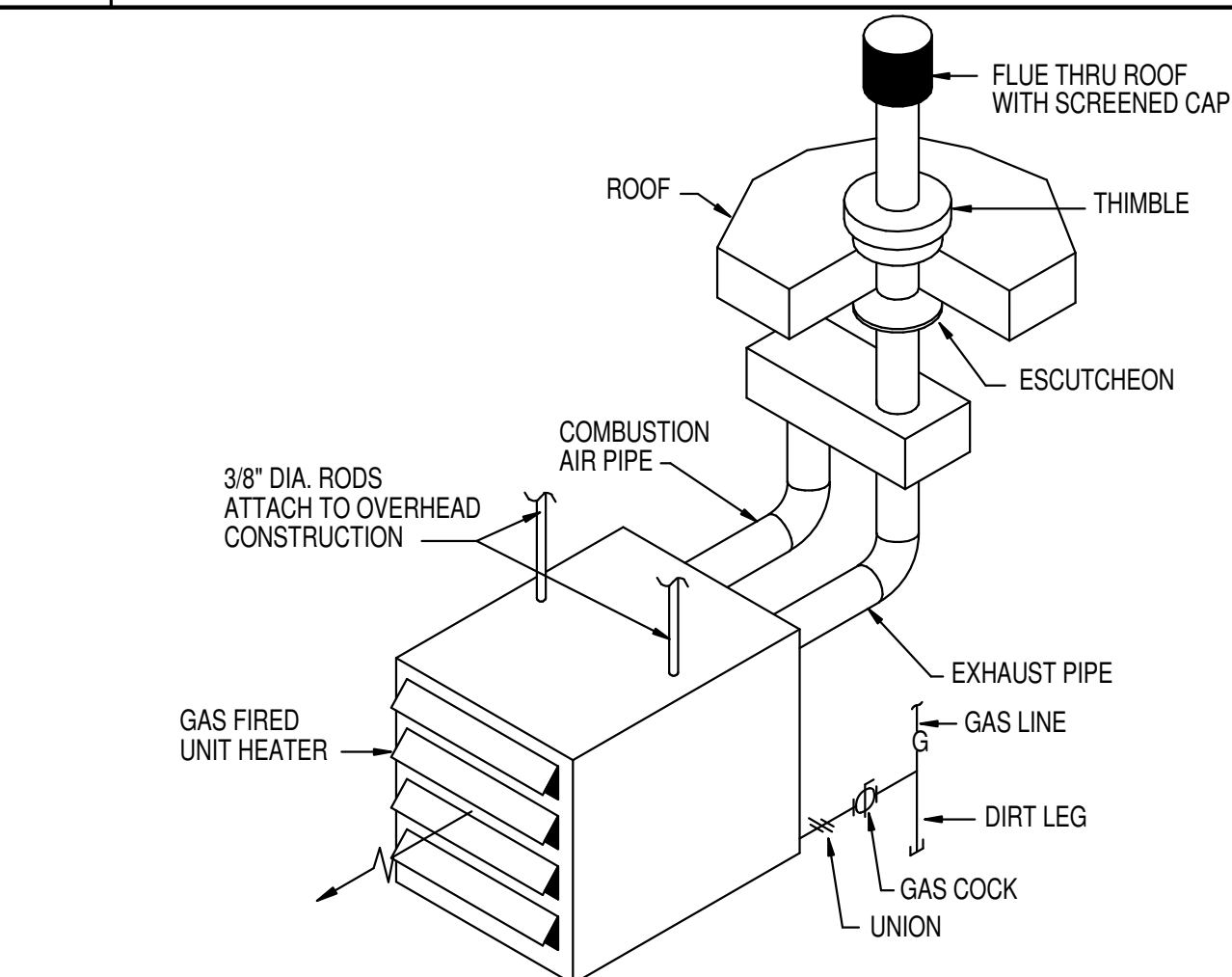
NO SCALE

DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAUGE (ALL FOUR SIDES)	MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS & OR INTERMEDIATE REINFORCING	TRANSVERSE REINFORCING (1)				
			MIN. H. IN.	DRIVE SLIP	HEMMED S SLIP	ALTERNATE BAR SLIP	REINFORCED BAR SLIP
UP THRU 12	26	NONE REQUIRED	1	26	26	24	24
13-18	24	NONE REQUIRED	1	24	24	24	24
19-30	24	1"x1"x18" @ 60 IN	1	-	24	24	24
31-42	22	1"x1"x18" @ 60 IN	1	-	-	22	22

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

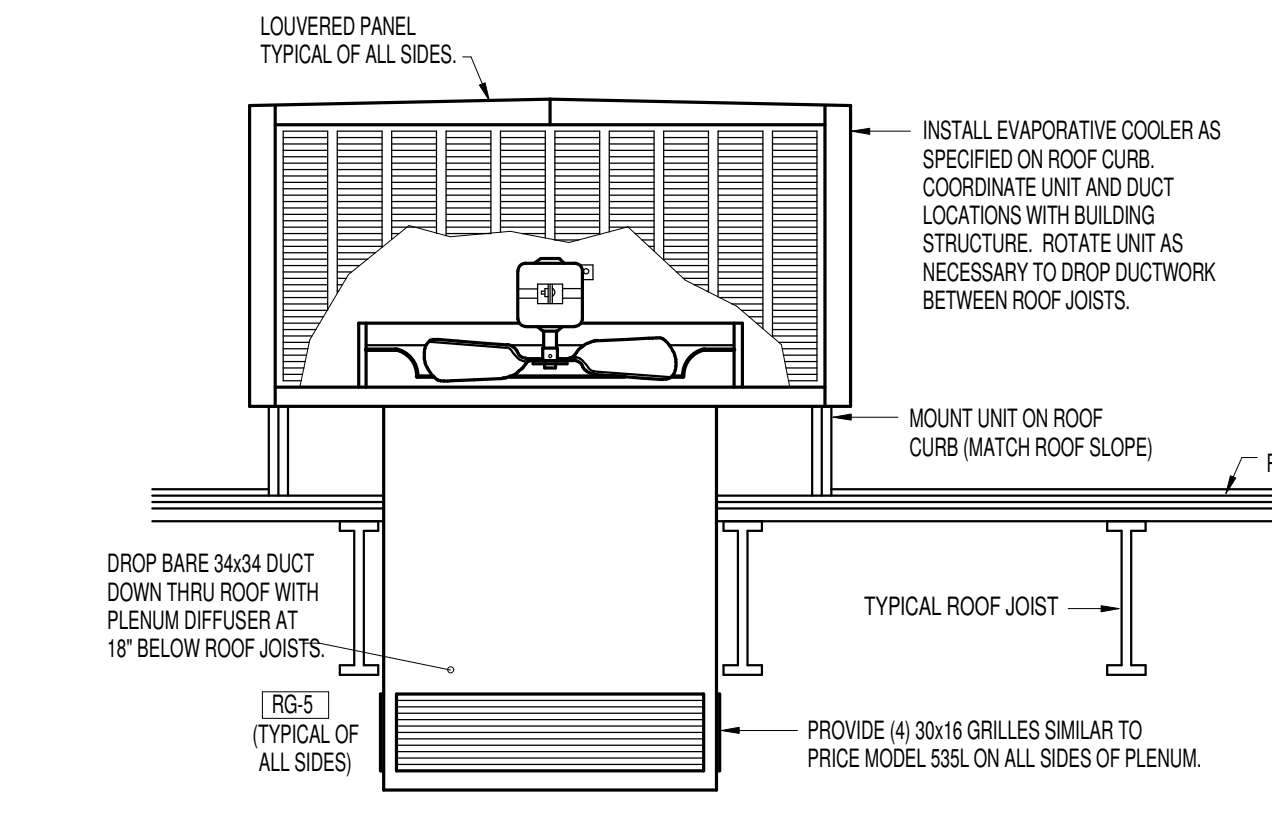
J CONCENTRIC DIFFUSER CONSTRUCTION

NO SCALE



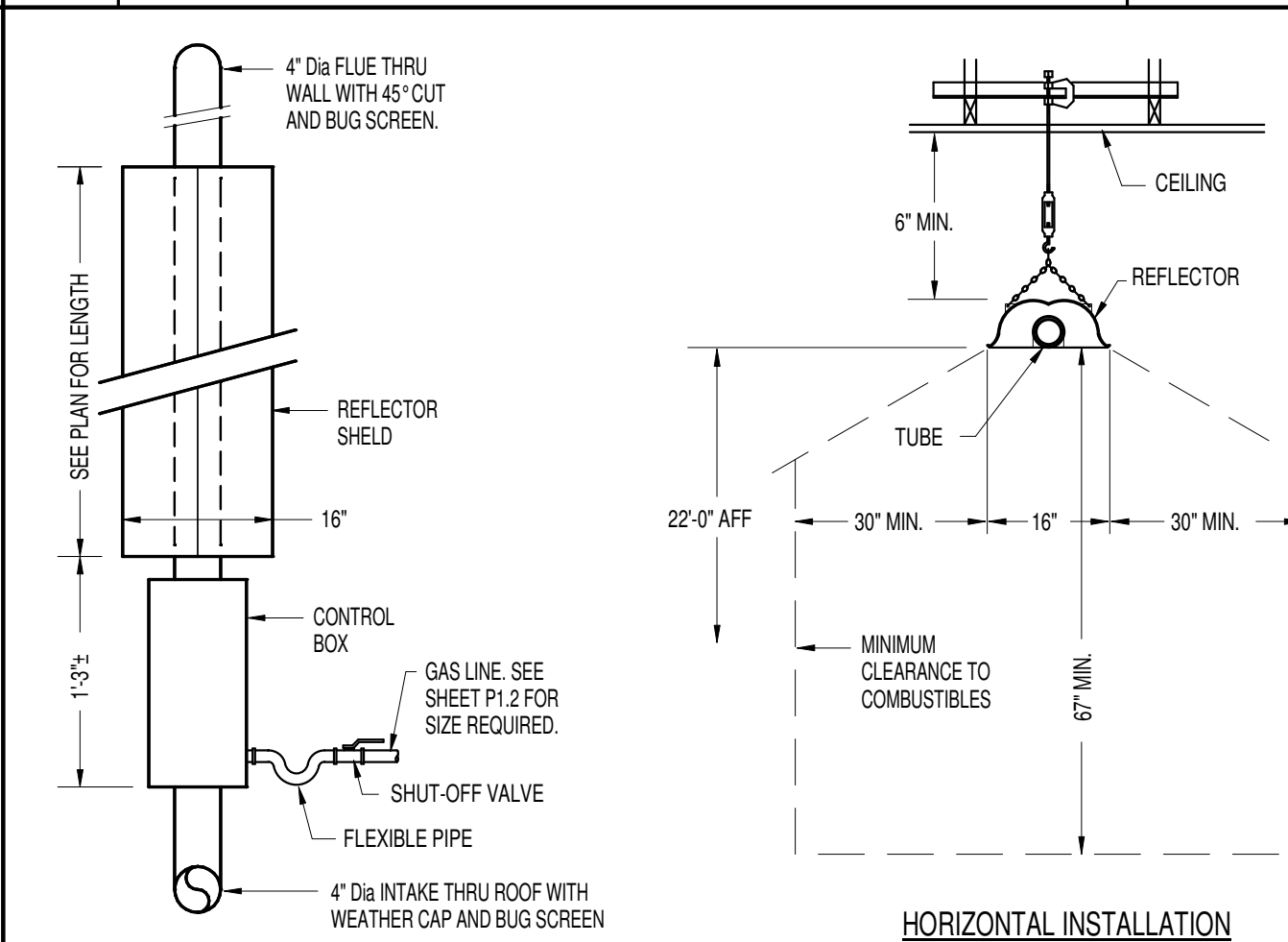
K UNIT HEATER INSTALLATION DETAIL

NO SCALE



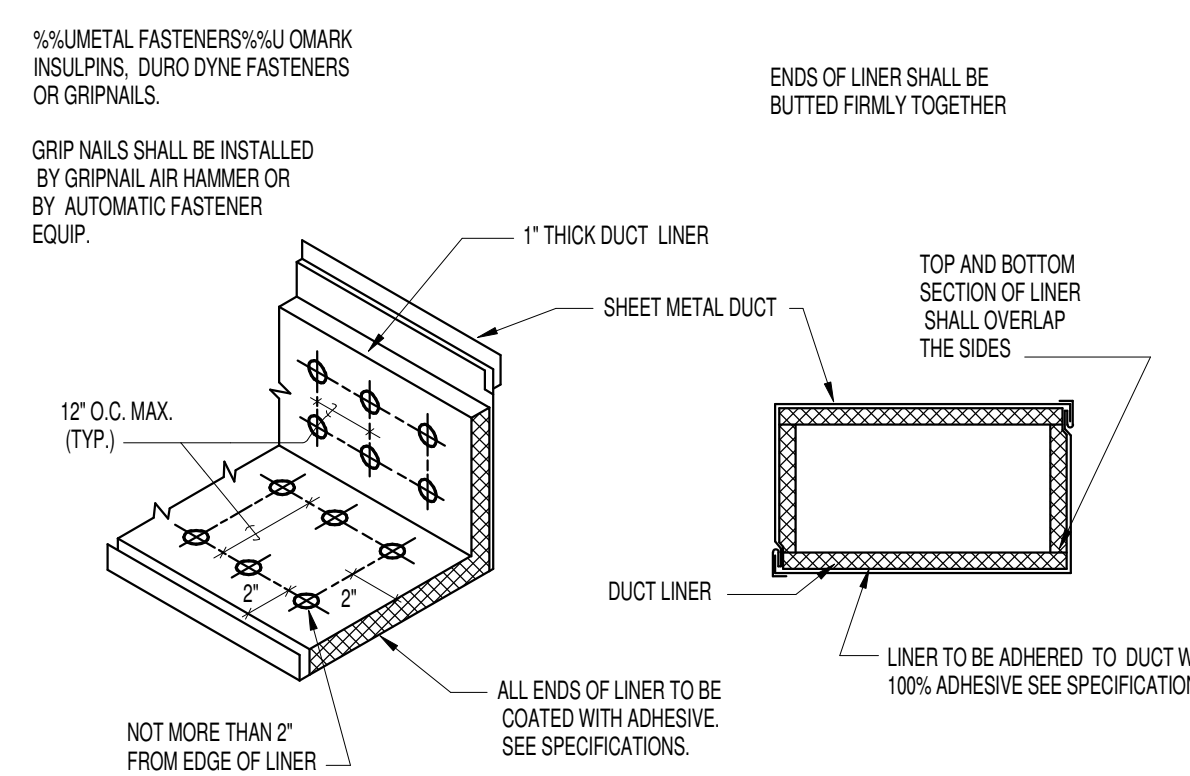
L EVAPORATIVE COOLER INSTALLATION DETAIL

NO SCALE



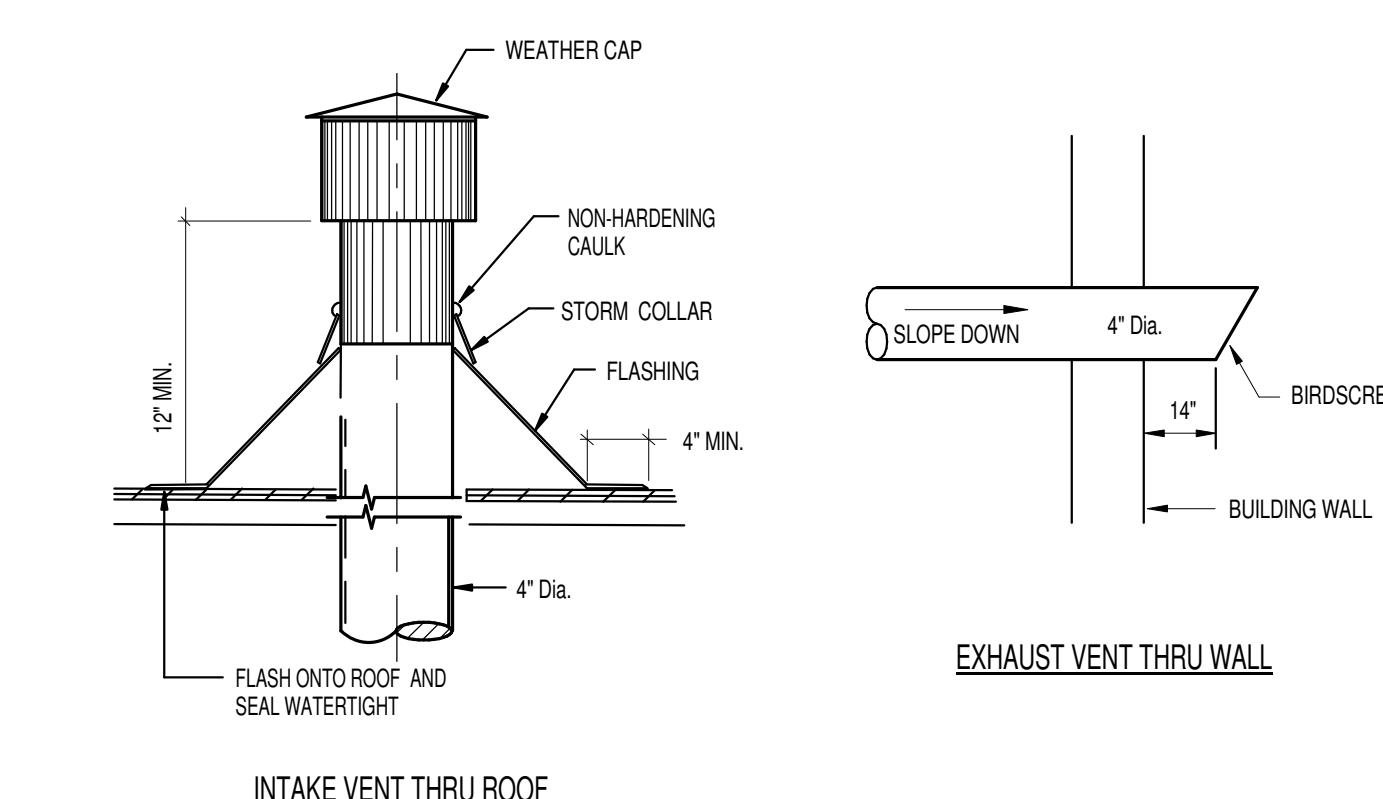
M RADIANT HEATER INSTALLATION DETAILS

NO SCALE



N DUCT LINER DETAILS

NO SCALE

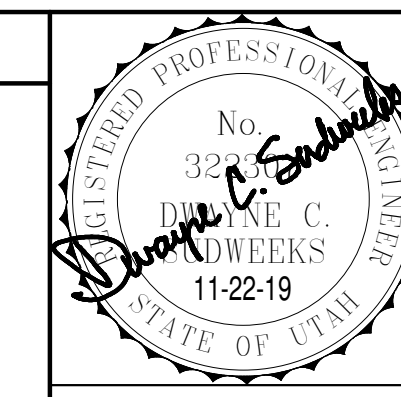


O TYPICAL VENT TERMINATION DETAILS

NO SCALE

GENERAL NOTES:

- A. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C. IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D. CEILING DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO LIGHTING PLANS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- E. DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.
- F. ALL DUCTWORK AND PIPING WHICH PASSES THRU FIRE RATED WALLS TO BE FIRE STOPPED WITH APPROVED FOAM OR SEALANT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS.



Engineered Systems Associates
 1355 EAST CENTER
 POCATELLO, IDAHO 83201
 PHONE: (208) 233-0501
 FAX: (208) 233-0529
 EMAIL: esa@engsystems.com
 ESA JOB NUMBER: 19035

PROJECT NO. 16066
 DATE: NOVEMBER 2019
 DRAWN BY: M. Jensen
 CHECKED BY: D. Sudweeks

DRAWING NO.:

M3.1

A NEW BUILDING FOR:
KENWORTH SALES COMPANY INC.
 1750 SOUTH 1350 WEST
 NEW HAVEN, UTAH

PROJECT:

MECHANICAL DETAILS

nw architects p.a.
 ARCHITECTURE / PLANNING / INTERIORS
 SCOTT L. NELSON, A.I.A. KEVIN R. BODILY, A.I.A. JAMES H. WYATT, A.I.A.
 990 JOHN ANDERSON PARKWAY, P.O. BOX 2212 - IDAHO FALLS, IDAHO 83402-2212
 (208) 208-5322-8779 (208) 208-5322-8785 (208) 208-5322-8786