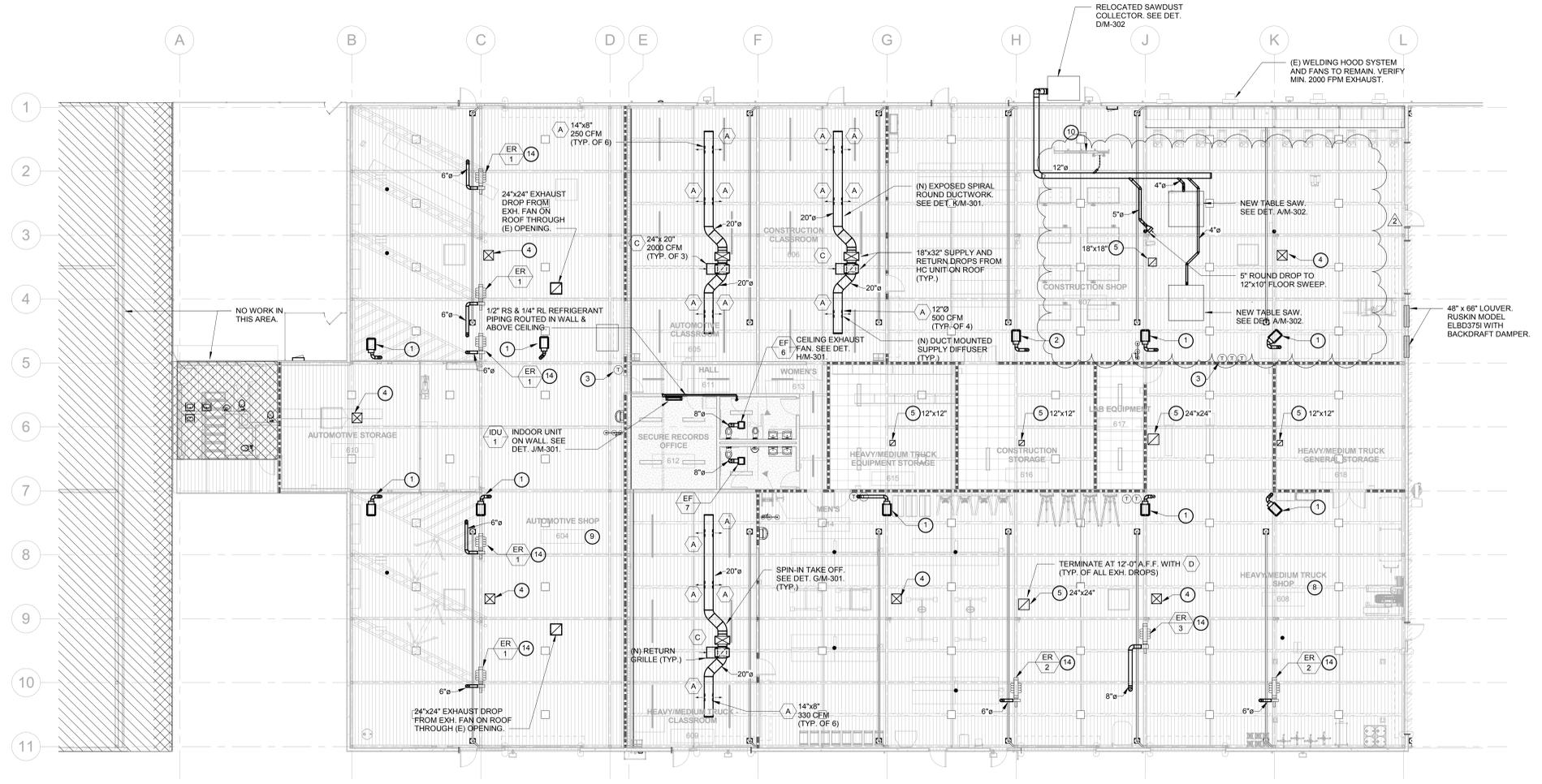


MAKE-UP AIR LOUVER SIZING	
MAKE-UP AIR REQ'D BY WELDING EXHAUST SYSTEM	= 4,200 CFM
MAKE-UP AIR REQ'D BY SAWDUST COLLECTION SYSTEM	= 3,650 CFM
TOTAL MAKE-UP AIR REQ'D	= 7,850 CFM
FROM MANUFACTURER'S PERFORMANCE DATA:	
THE STATIC PRESSURE DROP @ 410 FPM = 0.1 in. w.g.	
LOUVER SIZE: 48"x66" HAS A FREE AREA OF 9.47 SF.	
7,850 CFM / 410 FPM = 19.14 SF FREE AREA REQ'D. 19.14 SF / 9.47 SF = 2	

**KEYNOTES:**

- 1 (E) UNIT HEATER SUSPENDED FROM CEILING AND FLUE THRU ROOF TO REMAIN.
- 2 RELOCATED UNIT HEATER SUSPENDED FROM CEILING AND FLUE THRU ROOF. SEE DETAIL JM-302.
- 3 RELOCATED UNIT HEATER THERMOSTAT, HEIGHT AT 4'-4" AFF.
- 4 22"x22" SUPPLY DUCT THROUGH CLERESTORY FROM EVAPORATIVE COOLER ON ROOF. TERMINATE WITH DIVERTER @ 11" A.F.F. SEE DETAIL FM-301.
- 5 EXHAUST DUCT THROUGH CLERESTORY FROM EF ON ROOF.
- 6 SPINDLE SANDER. SEE DET. CM-302.
- 7 MITRE BAND SAW. SEE DET. LM-302.
- 8 HEAVY TRUCK SHOP: AREA = 6320 FT<sup>2</sup> EXH. PROVIDED = 9500 CFM EXH RATE = 1.5 CFM/FT<sup>2</sup>
- 9 AUTO SHOP: AREA = 5800 FT<sup>2</sup> EXH. PROVIDED = 8700 CFM EXH RATE = 1.5 CFM/FT<sup>2</sup>
- 10 RELOCATED PANEL SAW. CONNECT TO DUST COLLECTION SYSTEM WITH 1-1/2" HOSE. SEE DETAIL LM-302.
- 11 EXHAUST DUCT UP THROUGH ROOF. SIZE NOTED ON PLAN. SEE SIMILAR DETAIL JM-302.
- 12 CAR-MON EXHAUST REEL. SEE DETAIL MM-302.



**A Mechanical Floor Plan**  
3/32" = 1'-0"

- (N) WALL
- (E) WALL
- (E) RATED 2-HR FIRE WALL
- (N) RATED 1-HR FIRE WALL



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DATE \_\_\_\_\_

REVISIONS

NO.	DATE	DESCRIPTION
2	3/25/19	Addendum 2

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE.

PROJECT OWNER &  
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1902 Howard Road  
Madera, CA 93637

**MADERA CTE MODERNIZATION**  
200 SOUTH L STREET  
MADERA, CA 93637

SHEET TITLE  
**MECHANICAL FLOOR PLAN**

DRAWN BY: ARB JOB NUMBER: 16052.01  
SHEET NO.

**M-201**  
DATE: MARCH 12, 2018

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