

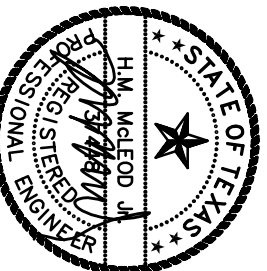


ISSUE	DATE	DESCRIPTION
	06/29/11	PERMIT / CONSTRUCTION
	10/13/11	PERMIT / CONSTRUCTION
	11/16/11	CITY COMMENTS

CONSTRUCTION FOR Demeris Barbecue

1702 West Loop North
Houston, Texas 77092

ENGINEER



THIS SEAL WAS AUTHORIZED
THIS DATE: 11/16/11

H.M. McLEOD, P.E.
4757 MERRIN ST. SUITE B
HOUSTON, TEXAS 77027
OFFICE: (713) 961-2899
FAX: (713) 961-6891
Cell: (713) 806-1646
P.E. Registration:
H. M. McLeod, P.E. #P-3679
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DATE	6/17/11
PROJECT #	11141
SCALE	as noted
DRAWN BY	---

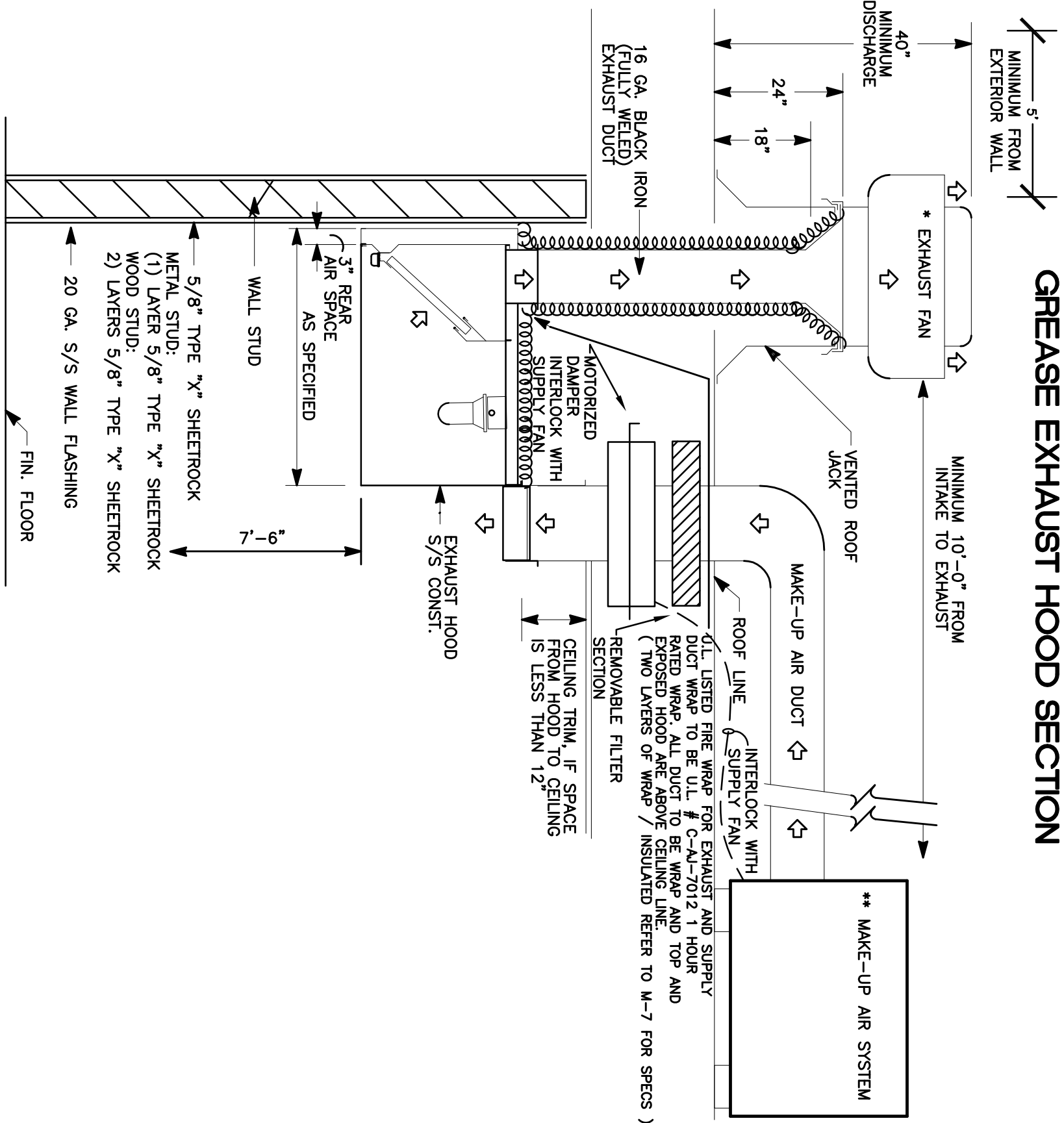
SHEET NAME:

MECHANICAL DETAILS

SHEET NUMBER:

M-3

1 GREASE EXHAUST HOOD SECTION



NOTE:
GREASE DUCT SUPPORT TO BE
18 GAUGE STAINLESS STEEL OR
16 GAUGE BLACK STEEL WELDED
TO SIDE OF DUCT.

WALL FAN SCHEDULE

DESIGNATION	MFG.	MODEL	CFM	VOLTAGE	HP/SP	ELECTRIC CONTROLS	NOTES
[W-1]	GREENHECK	SBS-1234-4	800±	120 V, 1 PHASE	0.25/25	TIMER/CLOCK CONTROLLED	PROVIDE WITH FAN BOX GUARD WALL COVERS, PROTECTIVE SCREEN, VARIABLE DRIVE, DAMPER. PROVIDE WITH BUG/BIRD SCREEN. VERIFY OPENING IN TILT WALL, BOTTOM OF PAN AT 12" AFF.

***VERIFY MODEL NUMBERS**

AIR DEVICE SCHEDULE

A	T	MFG.	MODEL	APPL.	MOUNTING	DESCRIPTION
C	MAJOR INDUSTRIES	ANSA	SUPPLY	24"x24"	LX-IN GRID	FULL SIZE 24"x24" ALUMINUM, STAMPED COVERED FACE DIFFUSER ADJUSTABLE AIR DIRECTION.
I-2	MAJOR INDUSTRIES	51TP-O-N	SUPPLY	24"x24"	B-BAR GRID	PERFORATED 24"x24" ALUMINUM, WITH OPPOSED BLADE DAMPER (OBD)
E	MAJOR INDUSTRIES	514EH	RETURN	24"x24"	LX-IN GRID	ALUMINUM, FIXED BLADE BAR RETURN AIR GRILLE, NECK SIZE PER PLAN.
C	MAJOR INDUSTRIES	51VD-O	SUPPLY	SIZE WALL DUCT	MMD	SIDEWALL DIFFUSER, ADJUSTABLE DOUBLE DEFLECTION, WITH OPPOSED BLADE DAMPER (OBD)

NOTES: ** NECK SIZE AND CFM AS NOTED ON FLOOR PLAN DRAWINGS

**** ALL GRILLES TO BE PAINTED TO MATCH ARCHITECTURAL SPECIFICATIONS. PROVIDE GRILLE WITH FINISH TO ACCEPT ENAMEL PAINT.**

EXHAUST FAN SCHEDULE (TOILET ROOMS)

DESIGNATION	MFG.	MODEL	CFM	HP	VOLTAGE	S.P.	ACCESSORIES
<u>TEF-1</u>	BROAN	L100	100	FRAC.	120 v. 1 ph.	0.25	6" RND. DISCHARGE WITH BACK DRAFT DAMPER ROUTE 6" RND DUCT TO WALL VENT
<u>TEF-2</u>	BROAN	L100	100	FRAC.	120 v. 1 ph.	0.25	6" RND. DISCHARGE WITH BACK DRAFT DAMPER ROUTE 8" RND DUCT TO WALL VENT
<u>TEF-3</u>	BROAN	L100	100	FRAC.	120 v. 1 ph.	0.25	6" RND. DISCHARGE WITH BACK DRAFT DAMPER ROUTE 8" RND DUCT TO WALL VENT

NOTES:

- 1). WEIGHT = VERIFY, ROUTE METAL DUCT (NON-INSULATED) TO ROOF CURB. FAN TO HAVE BIRD SCREEN AND BACK DRAFT DAMPER. PAINT TO MATCH EXTERIOR BUILDING COLOR, VERIFY WITH ARCH. DRAWINGS
- 2). PROVIDE FAN WITH 'SOR' SPEED CONTROLLER.

3). M.C. TO ADJUST PULLYS FOR APPROX CFM EXHAUSTED. VERIFY MODEL NO. WITH CFM REQUIREMENTS.

4). METAL GALV. DUCT ROUTED EXTERIOR ON ROOF. EXHAUST FAN TO BE MOUNTED ON TOP OF DUCT. SUPPORT DUCT FROM ROOF

FLY FAN / AIR CURTAIN FAN SCHEDULE

DESIGNATION	MFG.	MODEL #	CFM	WIDTH	# OF MOTORS	VOLUME	ACCESSORIES	NOTES
[E-1]	MARS AIR DOORS	SD36-10A-BG	2550	36"	1/2 hp	1	115 v., 1 ph.	NO HEAT
[E-2]	MARS AIR DOORS	SD24-10A-BG	2550	42"	1/2 hp	1	115 v., 1 ph.	NO HEAT

NOTES: 1). MOUNT ABOVE DOOR AND INTERLOCK WITH DOOR SWITCH

2). PROVIDE FAN WITH 'SCR' SPEED CONTROLLER.

CEILING DIFFUSER NECK CHART

NECK SIZE	CFM RANGE
6" DIA.	0 – 80 CFM
8" DIA.	85 – 175 CFM
10" DIA.	180 – 320 CFM
12" DIA.	325 – 550 CFM
14" DIA.	555 – 825 CFM
16" DIA.	830 – 1200 CFM

BRANCH DUCT SIZE CHART

DUCT SIZE	CFM RANGE
6" DIA.	0 – 80 CFM
8" DIA.	85 – 175 CFM
10" DIA.	180 – 320 CFM
12" DIA.	325 – 550 CFM
14" DIA.	555 – 825 CFM
16" DIA.	830 – 1200 CFM