

Prepared For:

Consulting Engineer:
BENNETT ENGINEERING
 MECHANICAL, ELECTRICAL, REFRIGERATION
 0071865945

Architect:

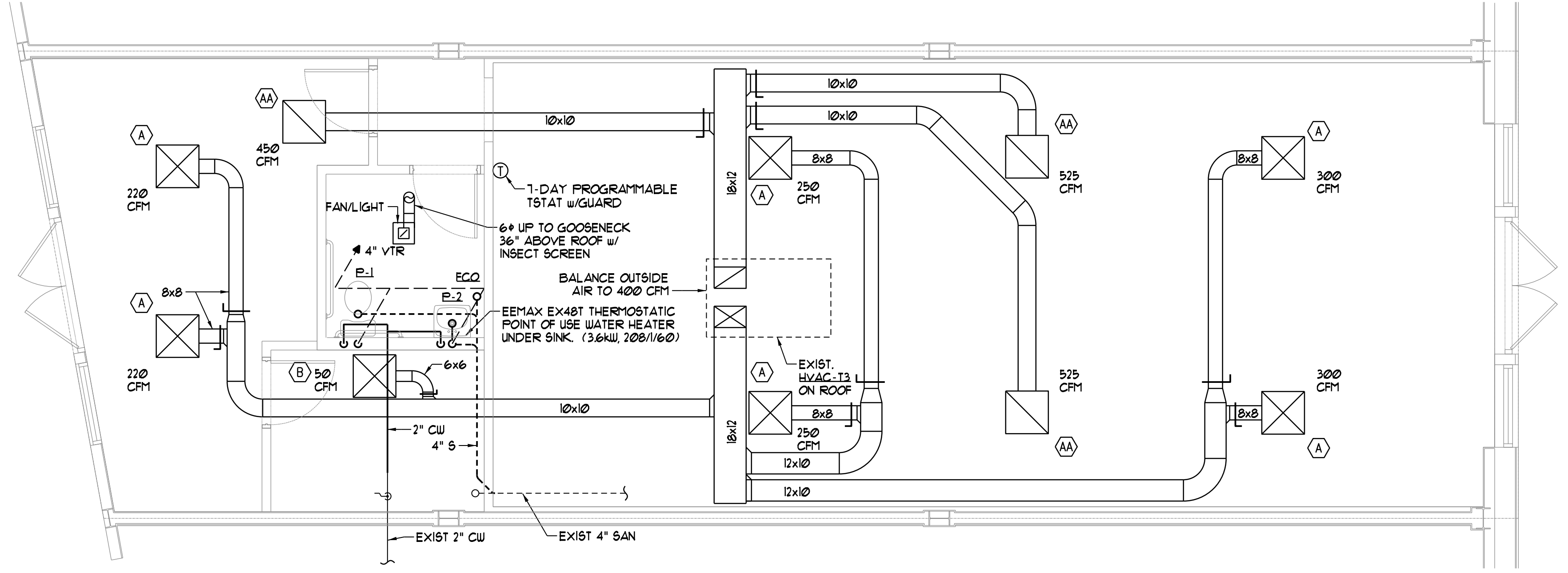
Project:
T-MOBILE
 FIT-UP BUILDING B SUITE 2
 195 KENNEBEC ST.
 PORTLAND, ME 04101

Revisions:
 03-23-2016 PERMIT DRAWINGS

Date: MARCH 23, 2016
 Scale: As Noted

MECHANICAL PLAN

M-1



MECHANICAL AND PLUMBING PLAN
 SCALE - 1/4" = 1'-0"

PLUMBING FIXTURE CONNECTION SCHEDULE

TAG	DESCRIPTION	SAN	VENT	CW	HW
P-1	ADA TANK TYPE WATER CLOSET	3"	2"	1/2"	-
P-2	ADA WALL HUNG LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"

MINIMUM SIZE OF BELOW SLAB SANITARY 4 VENT PIPING SHALL BE 2".
 P-1 SHALL BE TOTO ECODRAKE CS1144EL w/ELONGATED OPEN FRONT SEAT. INSTALLATION SHALL MEET ADA AND ANSI A117.
 P-2 SHALL BE TOTO WALL HUNG LAVATORY LT301 w/SYMMONS SYMMETRIX 5-20-05 FAUCET, PERFORATED GRID STRAINER AND TRUEBRO LAV GUARD INSULATION KIT. INSTALLATION SHALL MEET ADA AND ANSI A117.

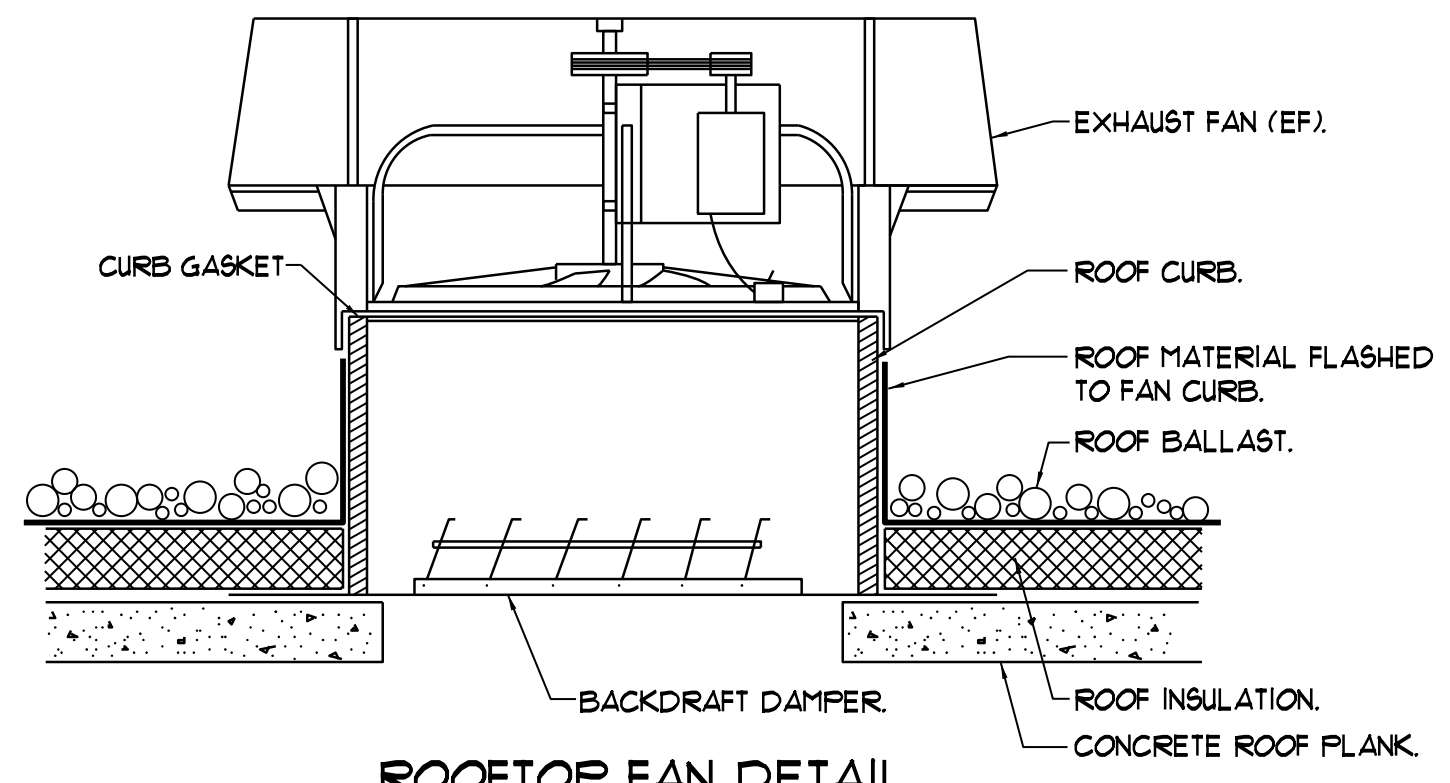
AIR DEVICE PERFORMANCE SCHEDULE

TAG	FANEL SIZE (IN)	NECK SIZE (IN)	AIRFLOW (CFM)	SPLOSS (INWG)	THROW (L)	Nc	BASIS OF DESIGN - METALAIRE		
							DUCT CONN (IN)	PATTERN	MODEL
A	24x24	12x12	400	0.05	-	25	SEE DIAGS	SEE DIAGS	5000D
B	24x24	6x6	100	0.05	-	25	SEE DIAGS	SEE DIAGS	5000D
AA	-	14x14	525	0.05	-	25	SEE DIAGS	1/2", 45"	RHD
BB	-	8x8	100	0.05	-	25	SEE DIAGS	1/2", 45"	RHD

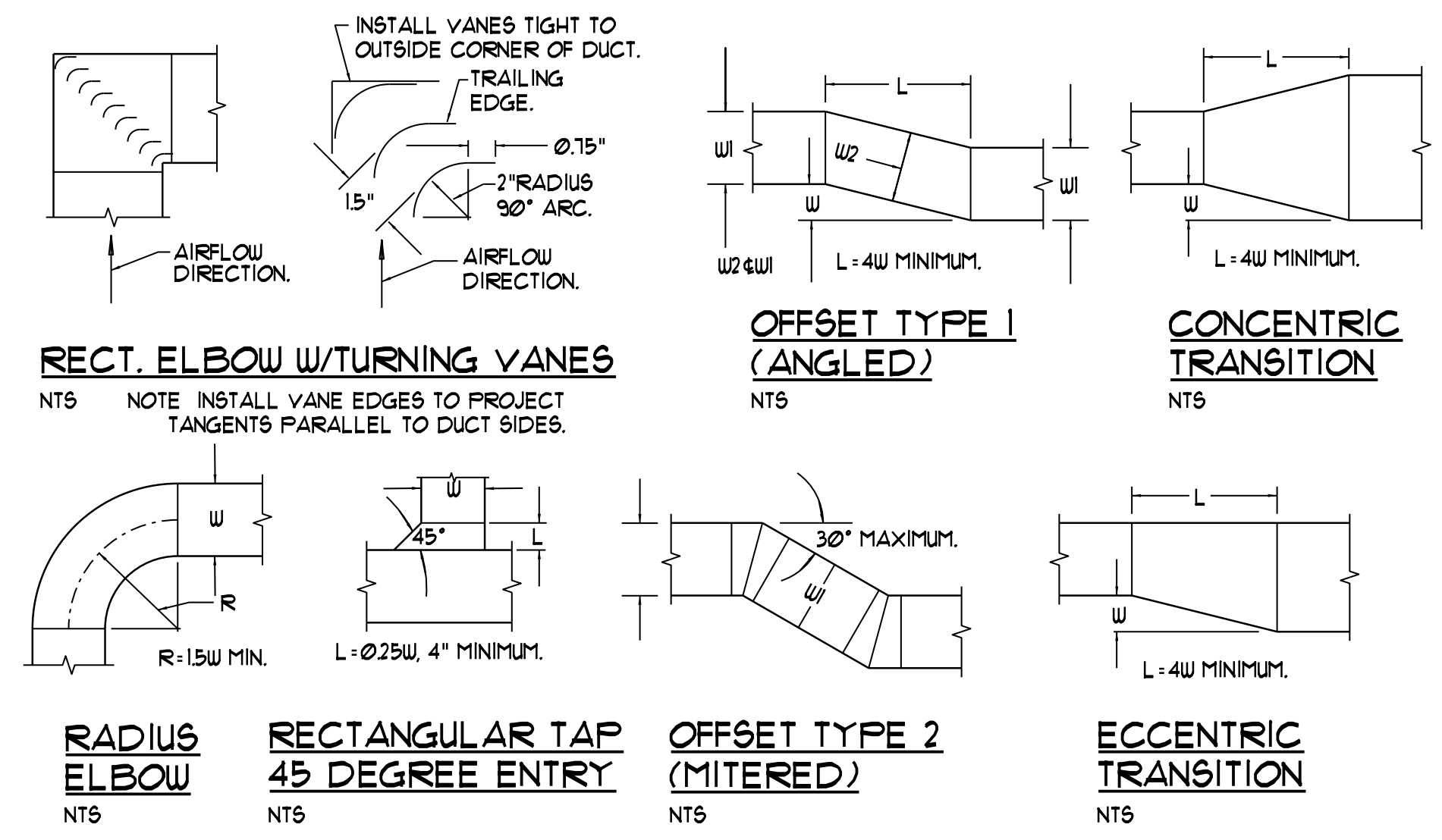
FAN PERFORMANCE SCHEDULE

TAG	AIRFLOW (CFM)	T.S.P (INWG)	NOISE (SONES)	RPM	DRIVE	ELECTRICAL REQUIREMENTS					BASIS OF DESIGN - GREENHECK		
						HP	BHP	WATTS	AMPS	V/PH/Hz	SERVICE	ARRANGEMENT	MODEL
EF-1	75	0.33	3.5	1550	DIRECT	1/60	0.01	45	-	120/1/60	TOILET EXHAUST	DOWNBLAST	G-060-D

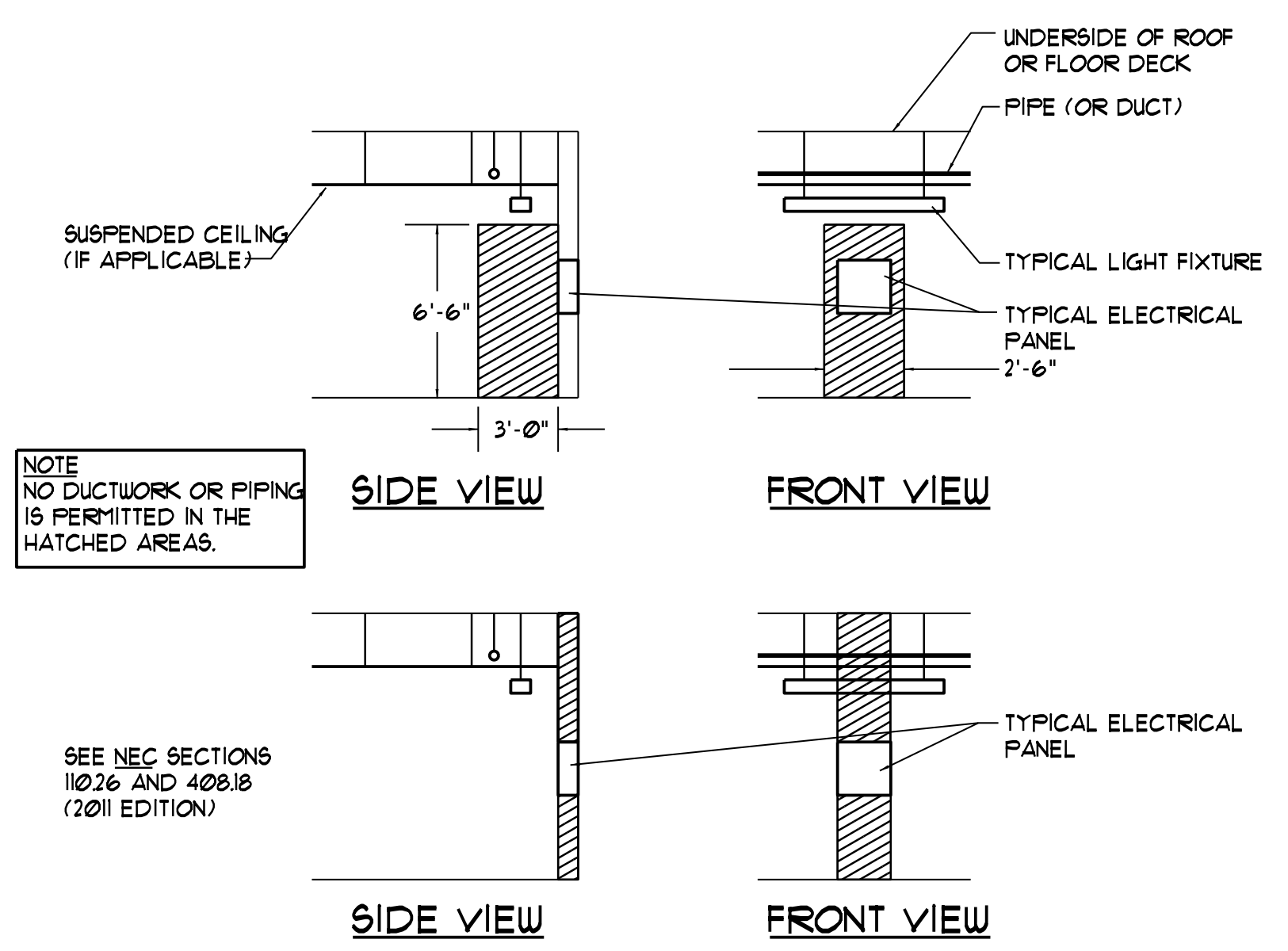
- NOTES-**
- INSTALLATION SHALL COMPLY WITH THE MAINE UNIFORM BUILDING AND ENERGY CODE (MUBEC)
 - DUCTWORK SHALL BE PER SMACNA AND DETAILS BELOW. FLEXIBLE DUCT LENGTHS SHALL BE LIMITED TO NO MORE THAN FOUR FEET.
 - SANITARY AND VENT PIPING SHALL BE SCHEDULE 40 PVC. VENTS THROUGH ROOF (VTR) SHALL BE CAST IRON (ONLY).
 - DOMESTIC WATER PIPING SHALL BE TYPE 'L' COPPER.
 - AIR HANDLER SEQUENCE OF OPERATION
 - OCCUPIED MODE
 - THE OUTSIDE AIR DAMPER SHALL BE OPEN.
 - THE FAN SHALL OPERATE CONTINUOUSLY.
 - ON A CALL FOR HEAT, THE UNIT SHALL OPERATE THE GAS FURNACE TO SATISFY THE SPACE TEMPERATURE SETPOINT.
 - ON A CALL FOR COOLING, THE UNIT SHALL ENTER ECONOMIZER MODE OR OPERATE THE DX-COOLING TO SATISFY THE SPACE TEMPERATURE SETPOINT. ECONOMIZER MODE SHALL BE USED WHEN AVAILABLE.
 - UNOCCUPIED MODE
 - THE OUTSIDE AIR DAMPER SHALL BE CLOSED.
 - THE UNIT SHALL CYCLE THE FAN AND OPERATE THE GAS FURNACE AND DX-COOLING AS NECESSARY TO MAINTAIN THE UNOCCUPIED SPACE TEMPERATURE SETPOINT.
 - EXHAUST FAN SHALL OPERATE BASED ON WALL MOUNTED SWITCH.



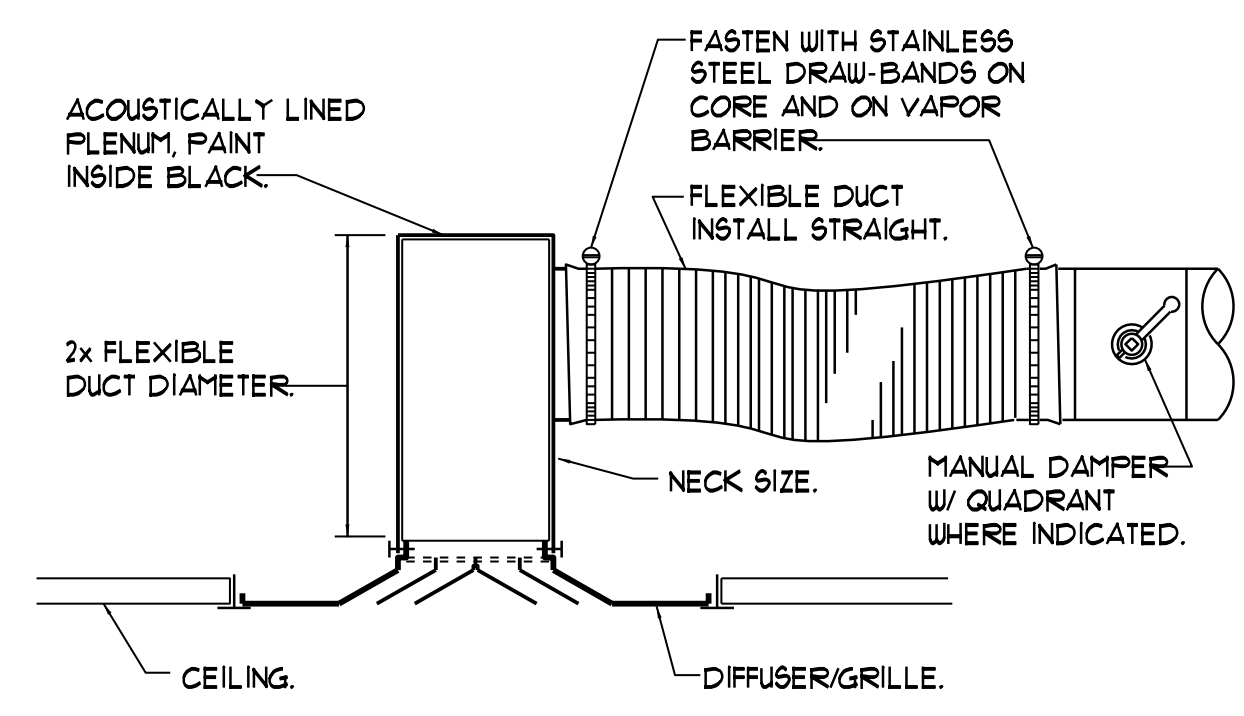
ROOFTOP FAN DETAIL
 NTS
 NOTE ROOF CONSTRUCTION MAY VARY.



LOW PRESSURE DUCT CONSTRUCTION DETAILS - TYPICAL
 NTS



CLEARANCES AT ELECTRICAL PANELS
 NTS



DIFFUSER/RETURN CONNECTION DETAIL
 NTS

NOTE: DETAIL TYPICAL FOR CEILING GRILLES, REGISTERS AND LINEAR DIFFUSERS. FOR SURFACE-MOUNT DEVICES, SUPPORT FLENUM FROM CEILING GRID WITH STEEL ANGLES FASTENED TO FLENUM.