

MECHANICAL SYMBOLS		
NOTE: NOT ALL USED AT THIS LOCATION		
SINGLE LINE	DESCRIPTION	DOUBLE LINE
	90° ELBOW DOWN	
	90° ELBOW UP	
	ROUND RADIUS ELBOW	
	90° STRAIGHT TEE	
	90° CONICAL TEE	
	45° BRANCH	
	45° CONICAL TEE	
	SIZE OR SHAPE TRANSITION	
	ROUND FLEXIBLE DUCT	
	90° ELBOW DOWN	
	90° ELBOW UP	
	RECTANGULAR RADIUS ELBOW	
	RECTANGULAR ELBOW WITH TURNING VANES	
	BRANCH TAKE-OFF WITH 45° TAP	
	LINED DUCTWORK (UNLESS NOTED OTHERWISE)	
	SIDEWALL SUPPLY GRILLE OR REGISTER WITH AIR EXTRACTOR	
	SUPPLY DUCT RISER	
	RETURN, EXHAUST OR OUTSIDE AIR DUCT RISER	
	DOOR GRILLE	
	MANUAL BALANCING DAMPER	
	MOTORIZED DAMPER	
	FIRE DAMPER	
	COMBINATION FIRE AND SMOKE DAMPER WITH SMOKE DETECTOR	
	SMOKE DAMPER (AUTOMATIC) WITH SMOKE DETECTOR	
	DUCT MOUNTED SMOKE DETECTOR	
	RETURN AIR DUCT / CEILING RETURN AIR GRILLE OR REGISTER	
	SUPPLY AIR DUCT / SUPPLY DIFFUSER LINEAR DIFFUSER	
	EXHAUST AIR DUCT / CEILING MOUNTED EXHAUST FAN	
	CANVAS CONNECTOR WITH VIBRATION	
	CONNECT TO EXISTING	
	REMOVE TO THIS POINT	
	FLEXIBLE CONNECTION	
	THERMOSTAT	
	SENSOR	
	UNIT HEATER	
	EXHAUST FAN	
	CONDENSING UNIT	
	FAN COIL UNIT / AIR HANDLER UNIT	
	ROOFTOP AIR CONDITIONING UNIT	
	O.A. INTAKE	
	TRANSFER GRILLE	
	DUCT SLEEVE	

MECHANICAL SYMBOLS	
NOTE: NOT ALL USED AT THIS LOCATION	
A.C.U. OR A.C.	AIR CONDITIONING UNIT (SPLIT-DX OR WATER COOLED)
A.F.F.	ABOVE FINISHED FLOOR
A.H.U.	AIR HANDLING UNIT
B.T.U.H.	BRITISH THERMAL UNIT / HOUR
C.H.	CABINET HEATER
C.U.	CONDENSING UNIT (SPLIT-DX SYSTEMS)
C.F.M.	CUBIC FEET PER MINUTE
E.A.T.	ENTERING AIR TEMPERATURE
E.B.H.	ELECTRIC BASEBOARD HEATER
E.D.H.	ELECTRIC DUCT HEATER
E.E.R.	ENERGY EFFICIENCY RATIO
E.F.	EXHAUST FAN
E.S.P.	EXTERNAL STATIC PRESSURE
F.C.U.	FAN COIL UNIT
F.F.C.H.	FORCED FLOW CABINET HEATER
F.L.A.	FULL LOAD AMPS
K.W.	KILOWATT
L.A.T.	LEAVING AIR TEMPERATURE
M.C.A.	MINIMUM CIRCUIT AMPACITY
N.C.	NOISE CRITERIA
O.A.	OUTSIDE AIR
P.S.I.	POUNDS PER SQUARE INCH
R.L.A.	RUNNING LOAD AMPS
R.T.U.	ROOF TOP UNIT
S.E.E.R.	SEASONAL ENERGY EFFICIENCY RATIO
U.H.	UNIT HEATER
U.N.O.	UNTIL NOTED OTHERWISE
V.F.	VENTILATION FAN
W.C.	WATER COLUMN
W.G.	WATER GAUGE

ROOFTOP UNIT SCHEDULE																
SYMBOL	MANUFACTURER MODEL NUMBER	AIR FLOW (CFM)	O.A. FLOW (CFM)	EXT. S.P. (IN W.C.)	DX COOLING COIL			GAS HEAT			ELECTRICAL			APPROX. WEIGHT (LBS.)	NOTES	
					TONS	TOTAL LOAD (MBH)	SENSIBLE LOAD (MBH)	INPUT (MBH)	OUTPUT (MBH/HR)	STAGES	VOLTS/Ø/HZ	MCA	MOCF			SEER
RTU-1	CARRIER - 48TCFA06A2A5	2,000	300	.80	5	60	45	150	120	2	208/3/60	26.2	40	13.0	780	1,2,3,4,5,6
RTU-2	CARRIER - 48TCFA06A2A5	2,000	300	.80	5	60	45	150	120	2	208/3/60	26.2	40	13.0	780	1,2,3,4,5,6

NOTES		OSA CALCULATION										PER 2014 IMC 403.3	
1. PROVIDE WITH MATCHING INSULATED CURB. 2. PROVIDE WITH 120V GFCI SERVICE OUTLET. 3. PROVIDE WITH INTEGRAL DISCONNECT SWITCH. 4. ECONOMIZER WITH ENTHALPY CONTROLS. 5. BAROMETRIC RELIEF. 6. HAIL GUARD. 7. BURGLAR BARS (OPTIONAL).		RM. NAME	UNIT SERVICING	PEOPLE PER 1000 SQFT	CFM/PERSON	CFM/SF	AREA (SQFT)	PEOPLE x CFM/PERSON	SF x CFM/SF	REQUIRED O.A. CFM	ZONE AIR DIST. EFF. TABLE 403.2.1.2	PROVIDED O.A. CFM	
		SALES	RTU-1	15	7.5	0.12	1447	22 x 7.5 = 165	173	338	0.8	423	
		STOCK	RTU-2	-	-	0.12	1110	-	133	133	0.8	167	
		MINIMUM FRESH AIR CFM REQUIRED PER CODE											590
TOTAL O.A. PROVIDED											600		

GRILLE, REGISTER AND DIFFUSER SCHEDULE										
SYMBOL	MANUFACTURER	MODEL	SERVICE	MODULE (L" X W")	FACE SIZE (L" X W")	FRAME TYPE	FINISH	MOUNTING	N.C.	NOTES
	TITUS	TMSA	SUPPLY DIFFUSER	24" X 24"	24" X 24"	SEE PLANS	#26 WHITE	CEILING	<35	A, B, C, D
	TITUS	TMSA	SUPPLY DIFFUSER	12" X 12"	12" X 12"	SEE PLANS	#26 WHITE	CEILING	<35	A, B, C, D
	TITUS	350R	RETURN GRILLE	12" X 10"	12" X 10"	SEE PLANS	#26 WHITE	SIDEWALL	<35	A, D, E
	TITUS	50F	RETURN GRILLE	24" X 24"	24" X 24"	SEE PLANS	#26 WHITE	CEILING	<35	A, B, D

NOTES: A. FRAME AND FACE BLADES SHALL HAVE BAKED ENAMEL OFF-WHITE FINISH. C. BRANCH DUCT SIZE SHALL BE SAME AS NECK SIZE UNLESS OTHERWISE NOTED. E. MOUNT TOP OF GRILLE 6" BELOW FINISHED CEILING.
 B. COORDINATE EXACT FRAME MOUNTING TYPE WITH ARCHITECTURAL CEILING PLAN. D. SELECT TMRA DIFFUSER PER NECK SIZE. SEE PLANS.

EXHAUST FAN SCHEDULE												
SYMBOL	MANUFACTURER	MODEL	TYPE	DRIVE TYPE	PERFORMANCE				ELECTRICAL		APPROX. WEIGHT (LBS.)	NOTES
					AIR FLOW (CFM)	EXT. STATIC (IN W.C.)	FAN SPEED (RPM)	SONES	VOLTS/Ø/HZ	FAN MOTOR HP		
LED-EF	PANASONIC	FV-11-15VKL1	CEILING	DIRECT	110	.1	-	.8	115/1/60	-	14	1, 2,3,4

NOTES: 1. PROVIDE INSULATED ROOF CURB FOR MOUNTING. 2. PROVIDE WITH BACKDRAFT DAMPER. 3. PROVIDE GOOSENECK FITTING/INSECT SCREEN AT DISCHARGE ON ROOF.

Firm's License #

State License #

#	DESCRIPTION	DATE
1	BUILDING DEPARTMENT	7/26/17

US HWY 50 & CLUB MANOR DR
 908 W US HWY 50
 PUEBLO, CO 81008
MECHANICAL SCHEDULES

MDC
 CORPORATE - RELO
686
 DESIGN DEVELOPMENT

DATE: 12/21/2017
 SCALE: 1/4"=1'-0"
 DRAWN BY: XXX
 PROJECT No.: TMO384
 SHEET: