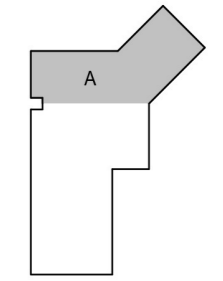


A B C D E F G H

MECHANICAL KEYNOTES	
Key Value	Keynote Text
M1	1" CONDENSATE DRAIN LINE. DISCHARGE INTO TRENCH DRAIN. RE: DETAIL 71H-801.
M2	OUTDOOR DUCT SUPPORT. RE: DETAIL 91H-601.
M3	REFRIGERANT LINES SIZED PER MANUFACTURER'S RECOMMENDATIONS.



KEY MAP

0	ISSUED FOR PERMITTING	04/20/2020	NB	NC
NO.	DESCRIPTION	MMDD/YYYY	DWN	CHK



**Stantec**  
 Engineered by  
 Stantec Consulting Services, Inc.  
 Texas Registered Engineering  
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CITY OF PEARLAND, TEXAS

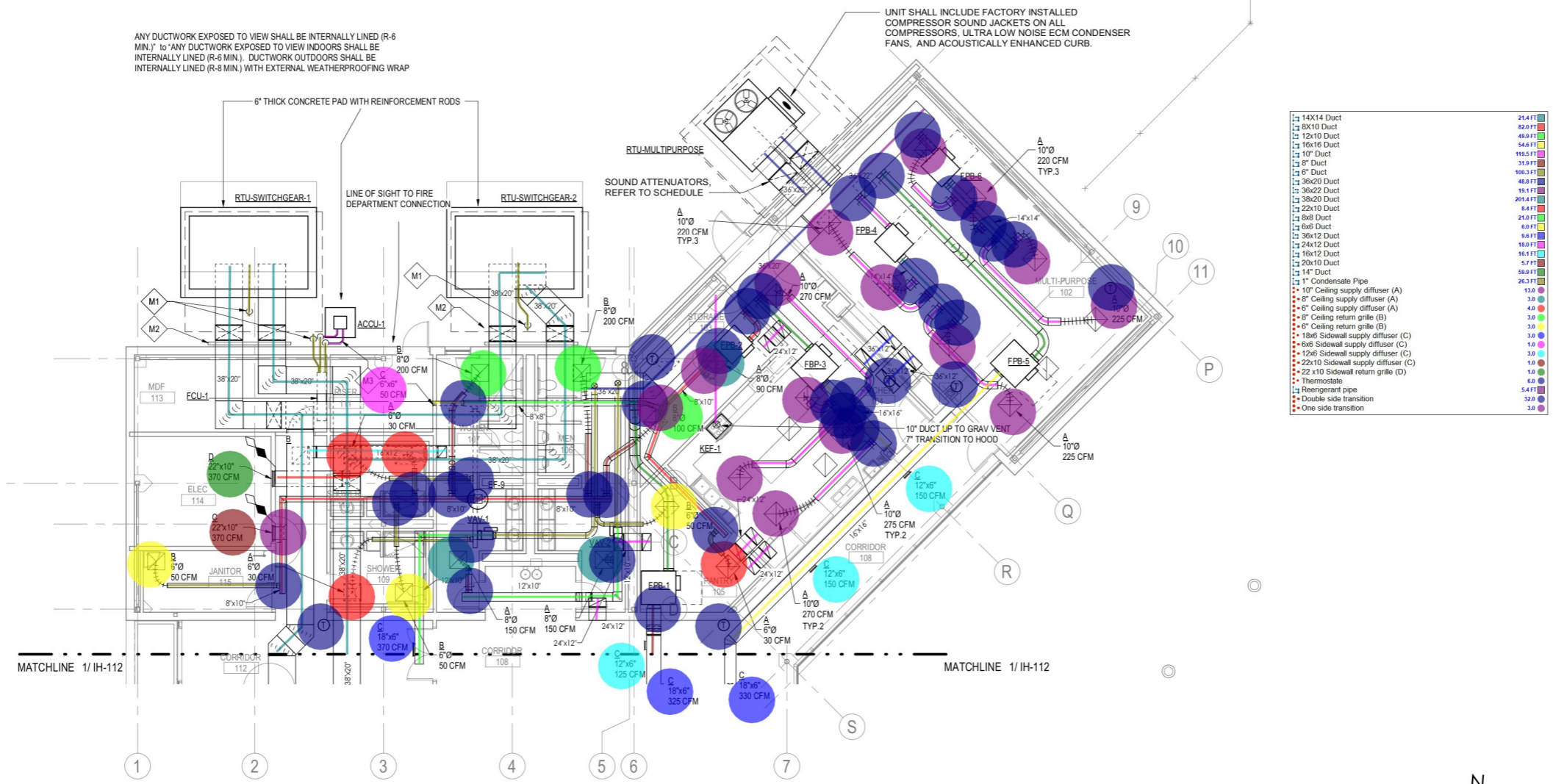
SURFACE WATER  
 TREATMENT PLANT PROJECT  
 PACKAGE 3

HVAC  
 MECHANICAL PLAN - LEVEL 1 -  
 AREA A

DESIGNED: DV	VERIFY SCALE
DRAWN: DV	BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE.
CHECKED: NC	DRAWING NO.
APPROVED: NC	IH-111
DATE: 04/20/2020	SHEET 255 of 368
PROJECT NO: 224701873	
FILE NAME: 01873E-MD	

ANY DUCTWORK EXPOSED TO VIEW SHALL BE INTERNALLY LINED (R-6 MIN.) TO ANY DUCTWORK EXPOSED TO VIEW INDOORS SHALL BE INTERNALLY LINED (R-6 MIN.). DUCTWORK OUTDOORS SHALL BE INTERNALLY LINED (R-6 MIN.) WITH EXTERNAL WEATHERPROOFING WRAP

UNIT SHALL INCLUDE FACTORY INSTALLED COMPRESSOR SOUND JACKETS ON ALL COMPRESSORS. ULTRA LOW NOISE ECM CONDENSER FANS, AND ACOUSTICALLY ENHANCED CURB.



14x14 Duct	21.4 FT
12x10 Duct	42.9 FT
16x16 Duct	54.8 FT
10" Duct	115.3 FT
8" Duct	31.9 FT
6" Duct	100.3 FT
36x20 Duct	48.8 FT
36x22 Duct	15.1 FT
36x20 Duct	20.4 FT
22x10 Duct	8.4 FT
8x8 Duct	21.0 FT
6x6 Duct	6.9 FT
36x12 Duct	5.6 FT
24x12 Duct	18.8 FT
16x12 Duct	16.3 FT
20x10 Duct	5.7 FT
14" Duct	58.3 FT
1" Condensate Pipe	26.3 FT
10" Ceiling supply diffuser (A)	15.8
8" Ceiling supply diffuser (A)	4.0
8" Ceiling return grille (B)	3.0
6" Ceiling return grille (B)	2.8
18x6 Sidewall supply diffuser (C)	3.0
6x6 Sidewall supply diffuser (C)	1.0
12x6 Sidewall supply diffuser (C)	3.8
22x10 Sidewall supply diffuser (C)	1.0
22 x10 Sidewall return grille (D)	6.0
Thermostat	5.4 FT
Refrigerant pipe	3.0
Double side transition	3.0
One side transition	3.0

**1 MECHANICAL PLAN - LEVEL 1 - AREA A**  
 1/8" = 1'-0"



PLOT DATE: 4/17/2020 11:00:12 AM BY: DV