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6

DX SPLIT SYSTEM SCHEDULE

CONDENSING UNIT		INDOOR UNIT	
MARK	PLAN	MARK	PLAN
SERVES	FCU-1	FCU-2	PLAN
SUPPLY AIR (CFM)	1890	1500	
OUTSIDE AIR (CFM)	325	350	
EXT. SP. (IN W.G.)	1.5	1.5	
FAN MOTOR HORSEPOWER	2	2	
BELTDIRECT DRIVE	BELT	BELT	
TOTAL COOLING (MBH)	66.3	67.3	
SENSIBLE COOLING (MBH)	51.5	50.1	
ENTERING AIR TEMP. DBWB (F)	77.66/4.9	79.4/6.6	
LEAVING AIR TEMP. DBWB (F)	55	55	
TOTAL HEATING KW	12	12	
ENTERING AIR TEMP. DB (F)	66.3	64.0	
LEAVING AIR TEMP. DB (F)	66	65	
VOLTS/PHASE/HERTZ	208/3/60	208/3/60	
MANUFACTURER	TRANE	TRANE	
MODEL	BCV054	BCV054	
WEIGHT (LBS)	265	265	
MARK	ACCU-1	ACCU-2	
STEPS OF CAPACITY	1	1	
EER	10	10	
AMBIENT AIR	100	100	
VOLTS/PHASE/HERTZ	208/3/60	208/3/60	
MCA	31.1	31.1	
MOCP	45	45	
MANUFACTURER	TRANE	TRANE	
MODEL	ZTTA07303	ZTTA07303	
NOMINAL TONS	6	6	
REFRIGERANT	R410A	R410A	
NOTES	1, 2, 3, 4, 5, 7, 8	1, 2, 3, 4, 5, 6, 7, 8	

NOTES:
 1. PROVIDE CONDENSER COLL. HALL GUARDS.
 2. PROVIDE LOW AMBIENT CONTROL.
 3. PROVIDE REFRIGERANT PIPING IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 4. PROVIDE SINGLE POINT ELECTRICAL CONNECTION.
 5. PROVIDE PROGRAMMABLE THERMOSTAT.
 6. UNITS SHALL BE PROVIDED WITH HOT GAS BYPASS.
 7. PROVIDE UNIT WITH ELECTRIC HEATING.
 8. PROVIDE UNITS WITH A SINGLE POINT ELECTRICAL CONNECTION.

MINI SPLIT AC UNIT SCHEDULE

MARK	TECHNOLOGY ROOM
SERVICES	425
SUPPLY AIR (CFM)	NONE
OUTDOOR AIR (CFM)	NONE
TOTAL COOLING CAPACITY (BTUH)	12,000
TOTAL HEATING CAPACITY (KW)	NONE
VOLTS / PHASE / HERTZ	208/1/60
MANUFACTURER	MITSUBISHI
MODEL NO.	PKA-A125A
NOTES	1, 2, 3

NOTES:
 1. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
 2. REFRIGERANT LINES TO BE SIZED BY MANUFACTURER.
 3. UNIT SHALL BE PROVIDED WITH CONDENSATE PUMP.

MINI SPLIT CONDENSING UNIT

MARK	ACCU-3
SERVICES	AC-1
TOTAL COOLING CAPACITY (MBH)	12,000
AMBIENT TEMP. (F)	100
S.E.E.R.	13.8
VOLTS / PHASE / HERTZ	208/1/60
MANUFACTURER	MITSUBISHI
MODEL NUMBER	PV-A125WA
NOTES	

GAS UNIT HEATER SCHEDULE

MARK	UH-12.3
SERVICES	APPARATUS BAY
GAS CONNECTION (IN)	1/2
GAS INPUT (BTUH)	90,000
WEIGHT (LBS)	46
STAGES	2
GAS TYPE	NATURAL GAS
ELECTRICAL	120/1/60
MANUFACTURER	DAVTON
MODEL	3E134
NOTES	1, 2

NOTES:
 1. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
 2. PROVIDE WITH UNIT MOUNTED TEMPERATURE SENSOR.
 HEATERS SHALL BE BURNERIZED WHEN TEMPERATURE DROPS BELOW 90°F.

AIR DEVICE SCHEDULE

MARK	MFR. & MODEL	TYPE	REMARKS
A	TTUS - PSS 4A	24"x24" PERFORATED FACE SUPPLY AIR GRILLE	ALUMINUM CONSTRUCTION WITH FRAME FOR LAY-IN CEILING OR HARD CEILING. DEPENDING ON CEILING TYPE. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE, SIZE NECK ACCORDING TO DRAWING.
B	TTUS - PAR 4A	24"x24" PERFORATED FACE RETURN / EXHAUST AIR GRILLE	ALUMINUM CONSTRUCTION WITH FRAME FOR LAY-IN CEILING OR HARD CEILING. DEPENDING ON CEILING TYPE. REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE. PROVIDE NECK SIZED AS NOTED ON DRAWINGS. PROVIDE VOLUME DAMPER WHEN USED FOR DUCTED EXHAUST RETURN.
C	TTUS 300F	SIDEWALL SUPPLY AIR GRILLE	ALUMINUM CONSTRUCTION WITH FRAME FOR SURFACE MOUNT. 3/4" BLADE SPACING. DOUBLE DEFLECTION WITH FRONT BLADES PARALLEL TO LONG DIMENSION. PROVIDE O.B.D.

NOTES:
 1. PAINT FACE OF ALL AIR DEVICES TO MATCH CEILING FINISH. REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS.
 2. INSULATE BACK-PAN OF ALL DEVICES.
 3. PROVIDE FRAME TO MATCH CEILING TYPE INDICATED ON ARCHITECT'S REFLECTED CEILING PLAN.
 4. PAINT INTERIOR SURFACES OF DUCTWORK VISIBLE FROM FACE OF RETURN AIR GRILLES FLAT BLACK.

FAN SCHEDULE

MARK	TYPE/DRIVE	EFF-1	EFF-2	EFF-3	EFF-4	EFF-5
SERVICES	LIVING OTRS	APPARATUS BAY	MOP ROOM	MOP ROOM	RANGE HOOD	
CFM	900	CENT/BELT	CENT/BELT	CENT/DIRECT	CENT/DIRECT	360
EXT. S.P. (IN W.G.)	0.400	0.300	0.300	0.300	0.25	
HORSEPOWER (WATTS)	1/4	(129)	(129)	(129)	(300)	
HPM (MAX)	1.020	640	1.050	950	VARIABLE	
SONES (MAX)	8.5	18.3	3.0	1.3	-	
VOLTS/PHASE/HERTZ	120/1/60	208/3/60	120/1/60	120/1/60	120/1/60	
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GE	
MODEL NUMBER	BSCQ-130	BSCQ-300	CSP-B150	CSP-B150	ZV890SB	
NOTES	1, 2, 4	1, 3	1, 4	1, 4	1, 2, 5	

NOTES:
 1. PROVIDE WITH BACKDRAFT DAMPER AND FAN MOUNTED SPEED CONTROL.
 2. FAN TO OPERATE BY SWITCH MOUNTED AT SCALE LEVEL AS LIGHT.
 3. SWITCHES TO COORDINATE WITH ARCHITECT FOR EXACT LOCATION.
 4. PROVIDE REQUIRES A LEVEL OF REPAIRS PER PLAN.
 5. COORDINATE WITH GENERAL CONTRACTOR TO CONFIRM WHO IS RESPONSIBLE FOR PROVIDING HOOD.

ISSUE LOG

NO.	DATE	DESCRIPTION
1	05/21/09	90% CDS
2	06/22/09	ISSUE FOR PERMIT
3	08/17/09	ISSUE FOR BIDDING
4		
5		
6		

CONSULTANT(S):



NATEX CORPORATION ARCHITECTS
 2500 WILCREST, SUITE 300
 HOUSTON, TEXAS 77042
 TELEPHONE: 713-975-9525
 FAX: 713-780-7824

SEAL(S):



PROFESSIONAL ENGINEER
 KEVIN A. PFEIFFER
 00919
 STATE OF TEXAS

PROJECT NAME: *8/11/09*
FIRE STATION 20 INTERIOR RENOVATION PACKAGE
 HOUSTON, TEXAS

CITY OF HOUSTON
 GENERAL SERVICES DEPARTMENT

REVIEWED:

PROGRAM MANAGER _____ SPONSORING DEPARTMENT _____
 PROJECT MANAGER _____

OTHER APPROVALS:

WATER ENGINEERING _____ TYPING AND TRANSCRIPTION _____
 MECHANICAL ENGINEERING _____ STREET, BRIDGE & ROW ENGINEERING _____
 STRUCTURAL ENGINEERING _____ PLANNING & DEVELOPMENT _____
 CITY ENGINEER _____ DATE _____
 DIRECTOR, DEPT. OF PUBLIC WORKS & ENGINEERING _____ DATE _____

DATE: 05/21/09
 W.B.S. No.: D-0000000-0000-0
 SCALE: AS SHOWN
 DRAWN BY: _____
 CHECKED BY: _____

MECHANICAL SCHEDULES

SHEET NO.: 16 OF 31 SHEETS
 CITY DWG. NO.:

M3.02



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DBR Project Number: 09065.000
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