FILE NAME: J:\... Schools Public\ST Tammany Parish SCHOOL BOARD\2404 - Boyet Junior High School Gym\Current Drawings\M101 - Mechanical Floor Plan.dwg PLOT DATE & TIME: Friday, December 29, 2023 10:53:31 AM

SPLIT SYSTEM DX SCHEDULE - SIXTH WARD

TAG	AREA SERVED	Make	Model	Nominal Tonnage	Total CFM	OA CFM	External SP ("WC)	FAN QTY	FAN HP	COOLING TMBH	COOLING SMB H	FILTERS	HEAT KW	HEAT STEPS	POWER VAC	POWER PH	POWER Hz	POWER MCA	CONDENSER TAG	CONDENSER MAKE	CONDENSER MODEL	CONDENSER POWER VAC	CONDENSER POWER PH	CONDENSER POWER Hz	CONDENSER POWER MCA	REMARKS
AHU-1	Boys Locker Room	Daikin	ARUF49D14	4	1420	340	0.3	1	1/3	60	41	MERV-6	9.6	1	208	3	60	48	CU-3	Daikin	DX13SA0483A	208	3	60	17.6	1, 2, 3, 4
AHU-2	Girls Locker Room	Daikin	ARUF49D14	4	1420	300	0.3	1	1/3	60	41	MERV-6	9.6	1	208	3	60	48	CU-4	Daikin	DX13SA0483A	208	3	60	17.6	1, 2, 3, 4

NOTES:
1. Cooling capacities to be rated in accordance with AHRI standard 210/290 for ASHRAE standard design weather conditions in New Orleans, LA.
3. Install units in accordance with manufacturer's recommendations.
2. Provide controls per attached drawings and specifications
4. Provide new filters after commissioning and final acceptance.

MN-SPLIT SCHEDULE

Tag	AIR HANDLER Make	Model	Cooling (MBH)	Heating (BTUH)	Power VAC	Power PH	MCA	Remarks	HEAT PUMP Tag	Make/Model	Model	Power VAC	Power PH	MCA	Remarks
MS-1	Daikin	FCQ36TAVJU	36	40	208	1	15		CU-2	Daiken	RZQ36TAVJUA	208	1	29.1	1, 2, 4
MS-2	Daikin	FTB18AXVJU	18	12.6	208	1		1, 2 ,3	CU-2	Daikin	Daikin RXB18AXVJU	208	1	16.2 (System)	1, 2, 3

NOTES:
1. Install per Manufacturer's recommendations
2. Provide new filters after commissioning and final acceptance.
3. Furnish with condensate pump removal kit and pan "Safe-T" float switch
4. Provide concrete equipment pad for Heat Pump.

DIFFUSER SCHEDULE

Mark No.	Service	Neck Size	Description
A	Supply Air	Ref. Plan	Krueger DPL Adjustable Drum Register with Opposed Blade Damper
B	Supply Air	Ref. Plan	Price 620D Double Deflection Register with Damper
C	Return Air	Ref. Plan	Price 630D Louver Return with Damper

1. Coordinate with Architect / Owner for colors and finish.

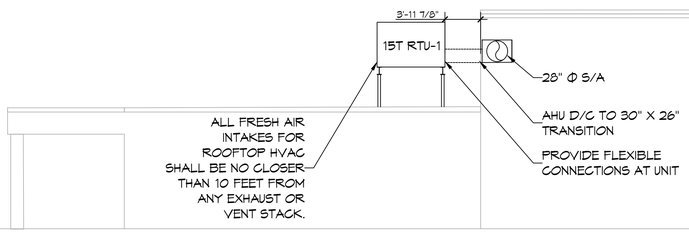
PACKAGED A/C SCHEDULE - Boyet

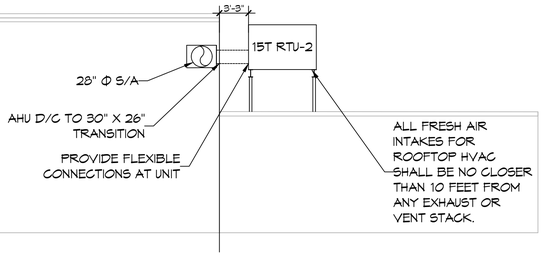
TAG	AREA SERVED	Make/Model	Model / Size	Nominal Tonnage	Total CFM	OA CFM	External SP ("WC)	FAN QTY	FAN HP	COOLING TMBH	COOLING SMB H	COOLING EDB	COOLING EWB	FILTERS	POWER VAC	POWER PH	POWER Hz	MCA	REMARKS
AHU-1	Gym	Trane	TSJ180_3	15	6900	2680	0.6	2	3	200.7	125.9	83.5	71.1	MERV-8	208	3	60	78	1, 2, 3, 4
AHU-2	Gym	Trane	TSJ180_3	15	6900	2680	0.6	2	3	200.7	125.9	83.5	71.1	MERV-8	208	3	60	78	1, 2, 3, 4

NOTES:
1. Cooling capacities to be rated in accordance with AHRI standard 210/290 for ASHRAE standard design weather conditions in New Orleans, LA.
3. Install units in accordance with manufacturer's recommendations.
2. Provide controls per attached drawings and specifications
4. Provide new filters after commissioning and final acceptance.

GENERAL NOTES

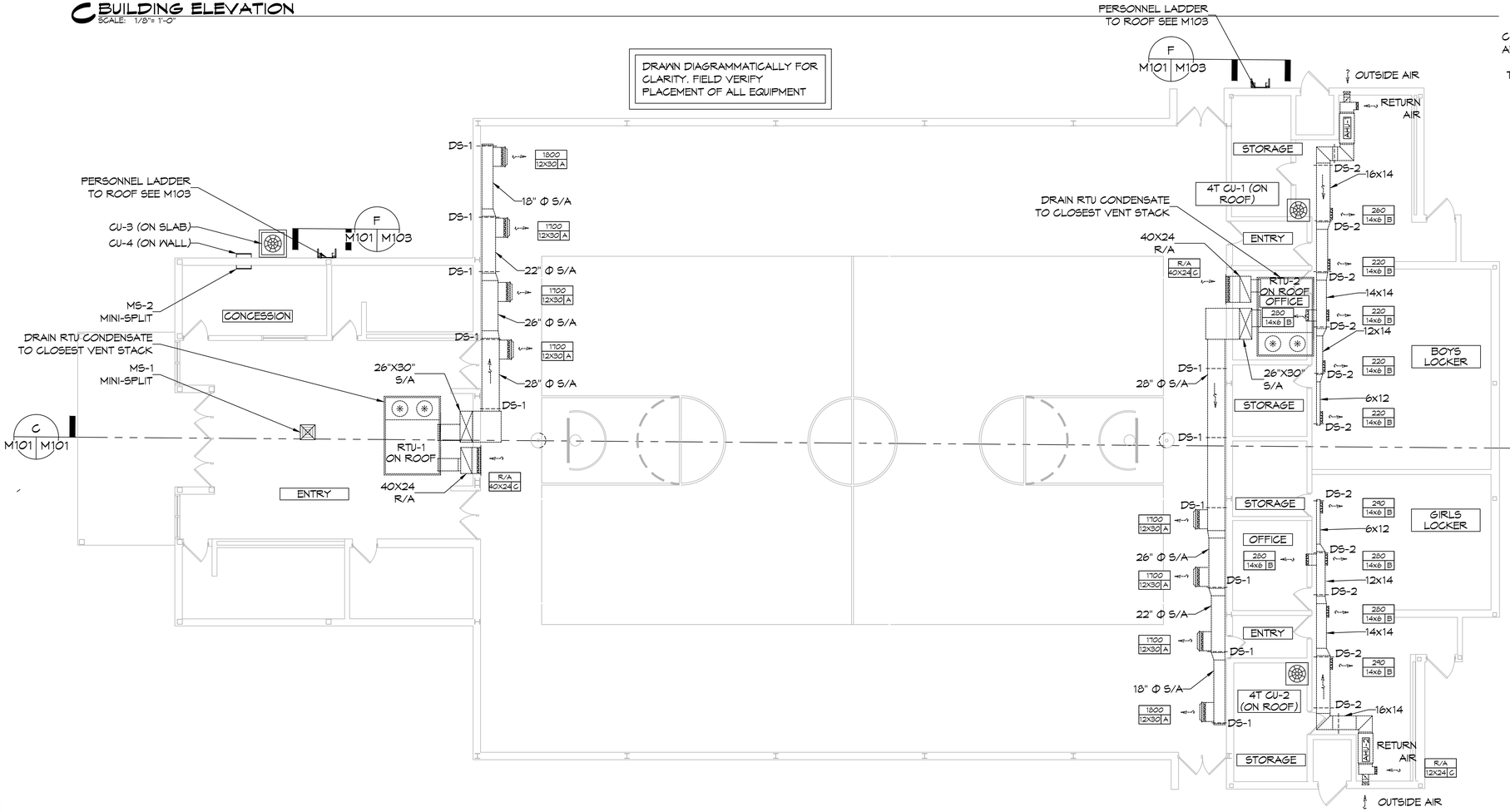
1. CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL WRAPED WITH FIBROUS GLASS DUCT WRAP WITH FSK VAPOR BARRIER, MIN R-6. INSTALLED PER SMACNA STANDARDS. DUCT WORK IMMEDIATELY DOWNSTREAM FROM RTU SHALL BE LINED FOR SOUND ATTENUATION.
2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT WRAP, MIN R-6. INSTALLED PER SMACNA STANDARDS AND SPECIFICATIONS.
3. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
5. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
6. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
7. ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
8. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS AT THE REGISTER.
9. REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
10. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
11. ALL MECHANICAL SYMBOLS ARE DRAWN DIAGRAMMATICALLY, CONTRACTOR TO VERIFY WITH OWNER LOCATIONS OF VENTS, DAMPERS, REGISTERS, ETC.
12. FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
13. PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL AHJS. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE, WITH ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR.
14. PROVIDE BIRD SCREENS AT ALL EXTERIOR MECHANICAL PENETRATIONS.



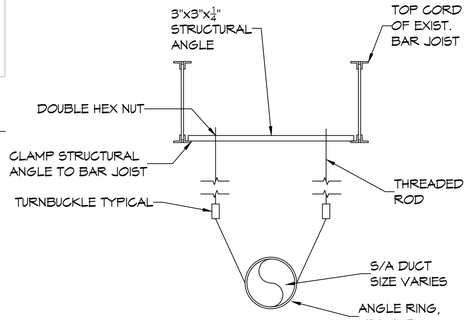


C BUILDING ELEVATION
SCALE: 1/8"= 1'-0"

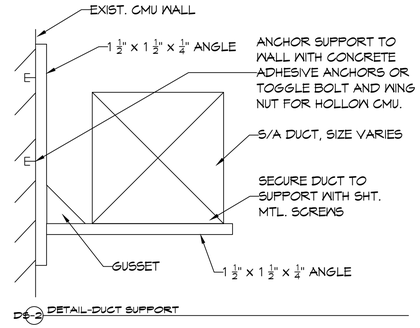
DRAWN DIAGRAMMATICALLY FOR CLARITY. FIELD VERIFY PLACEMENT OF ALL EQUIPMENT



5 MECHANICAL PLAN
SCALE: 1/8"= 1'-0"



D5-1 DETAIL-DUCT SUPPORT



D5-2 DETAIL-DUCT SUPPORT

D MECHANICAL DUCT SUPPORT
SCALE: N.T.S.

MECHANICAL LEGEND

RETURN AIR GRILLE	EXHAUST FAN
4-WAY SUPPLY AIR GRILLE	SUPPLY DUCT
3-WAY SUPPLY AIR GRILLE	RETURN AIR DUCT
2-WAY SUPPLY AIR GRILLE	EXHAUST AIR DUCT
SLOT DEFUSER	DAMPER CONTROL
DS DUCT SUPPORT	CFM / SIZE MK

ROUND FLEX DUCT, MAX. LENGTH 16'-0". MIN. R-6
DUCT SIZE AS FOLLOWS:
- 250 CFM TO 350 CFM = 9"
- 200 CFM TO 250 CFM = 8"
- 150 CFM TO 200 CFM = 7"
- 100 CFM TO 150 CFM = 6

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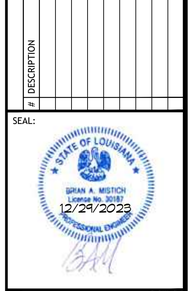
REVISIONS

#	DESCRIPTION	DATE

SEAL:



MECHANICAL RENOVATIONS
BOYET JUNIOR HIGH SCHOOL

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JOB No:	2468	DATE:	12-29-2023
DRAWN BY:	CKD	CHECKED BY:	BAM

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SHEET TITLE:
MECHANICAL PLAN

DRAWING NUMBER:
M101

SHEET No: 6 of 9