Architectural Alliance,Inc.

Addendum No. **1**

Project: **Proposed High School**
The Ehrhart School

Date: **9 / 7 / 2022**

All bidders are herewith notified of the following additions, deletions, changes or clarifications to the drawings dated 8/29/2021 and shall be acknowledged as received on the proposal.

Corrections/Clarifications:

1. See attached sign-in sheet from Pre-Proposal Conference.

2. Section 085113 Aluminum Windows:
    a. Under 2.2 Framing Systems for Aluminum Windows, C. Insulating-Glass Units: ASTM E2190. Omit content and refer to Section 088000 – Glazing, 2.2 Primary Glass Products A. 1 5/16" Insulated Tempered Low-E, 1. PPG Solargray + Solarban 60 (3).

3. A301 New Reflected Ceiling Plan:
    a. Details 2/A301, 3/A301 and 4/A301 should read 9'-0" instead of 9'-6" and 9'-4" instead of 9'-10" to match heights in reflected ceiling plan.
    b. Verify existing 45 degree purlin braces bolted to bottom flange of rigid beams, and other existing conditions such as pipes when laying out framing for furr downs. Adjust the width of the beam furring as required to conceal.

4. A701 Building Sections:
    a. Corridor walls are not fire rated. Refer to A101 New Construction Plan for Partition Types and Partition Tags.

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Ronald M. Jones, AIA
J. Rob Clark, AIA

5. A901 Roof Plan, Revision 1:
    a. Note 4 new hurricane rated louvers at existing exterior vertical panels and 6/A901 detail on framing louvers.

6. M100 Mechanical Plan, Revision 1:
    a. 4 new hurricane louvers on plan and keynotes (Note 15)

7. M300 Mechanical Schedules, Revision 1:
    a. Added Louver schedule

End of Addendum 1

Date: 9/7/2022

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PRE-BID ATTENDEES' LIST

Project Number: 22011
Project Name: Ehrhart High School
Project Owner: The Ehrhart School
Project Address: 3420 Fannin St, Beaumont, TX 77701
Date / Time: Thursday, Sept. 1, 2022 / 10:00 AM
Location: 3420 Fannin St.

NAME	COMPANY	EMAIL
BRIAN Gentile	Gentile Const.	Steve@gentile Const.com
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McClain McDonald	L&L General Contractors	landlinc@att.net
Brett Benoit	Jefferson Electric	je@jefferson-electric.com
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Ben Newsum	~~Ben~~ Mid-County Plmg	ben@midcountyplumbing.com

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NAME	COMPANY	EMAIL
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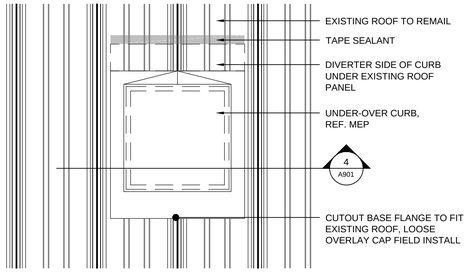
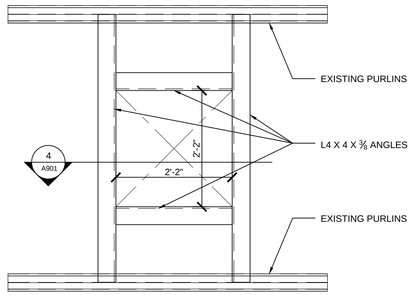
Rickey Root	Apex Alliance Group	Rickey@ApexAllianceGroup.com
Lauren Williams	N&T Construction Co.	LWilliams@NandTConstruction.com
Jeramy Zaunary	Setex construction	Jeramyz@setexconstruction.com

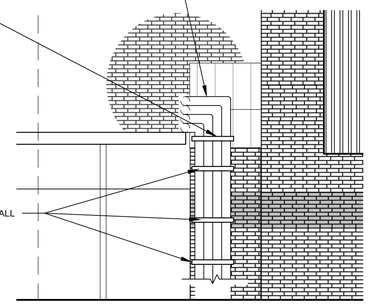


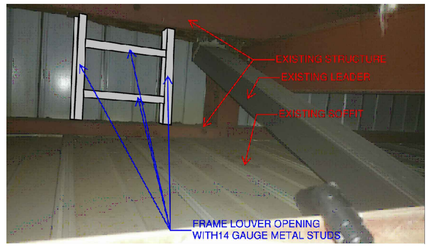
2 ROOF CURB PLAN
SCALE: 3/4" = 1'-0"



3 ROOF CURB SUPPORT ANGLE
SCALE: 3/4" = 1'-0"

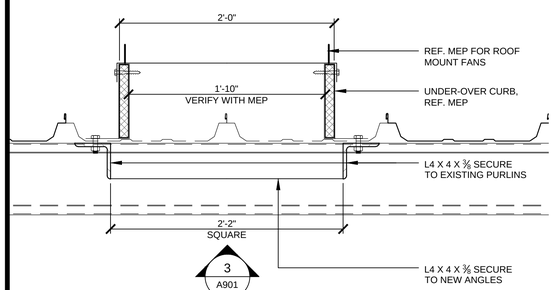
5 NEW REFRIGERANT LINE PENETRATIONS
NOT TO SCALE





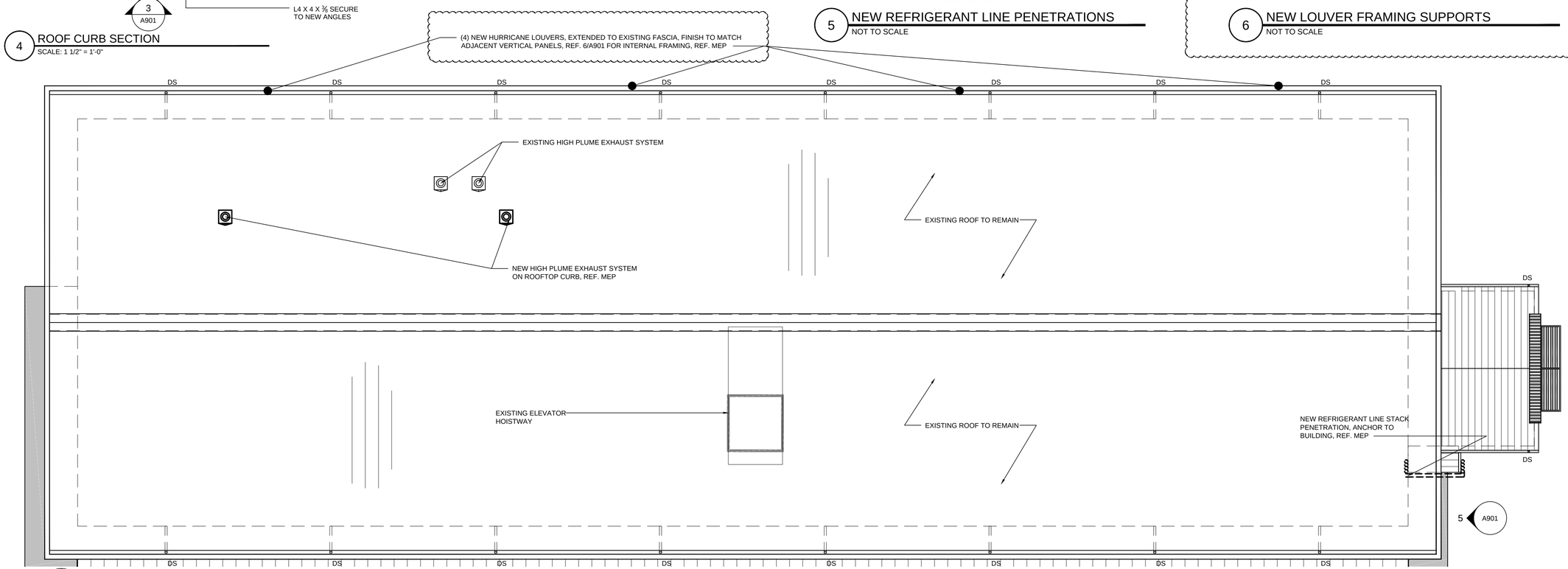
6 NEW LOUVER FRAMING SUPPORTS
NOT TO SCALE

2
A901



3
A901

4 ROOF CURB SECTION
SCALE: 1 1/2" = 1'-0"



1 ROOF PLAN
SCALE: 1/8" = 1'-0"

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REGISTERED ARCHITECT JAMES R. CLARK 8212 STATE OF TEXAS
9/7/2022

REGISTERED ARCHITECT RONALD M. JONES 13662 STATE OF TEXAS
9/7/2022

PROPOSED HIGH SCHOOL
The Ehrhart School
3420 Fannin Street
Beaumont, TX 77701

ISSUED FOR
SCHEMATIC DESIGN [X]
DATE: 4/25/2022
DESIGN DEVELOPMENT [X]
DATE: 7/21/2022
BIDS & CONSTRUCTION [X]
DATE: 8/29/2022
REVISION: 1
DATE: 9-7-2022
REVISION:
DATE:
REVISION:
DATE:

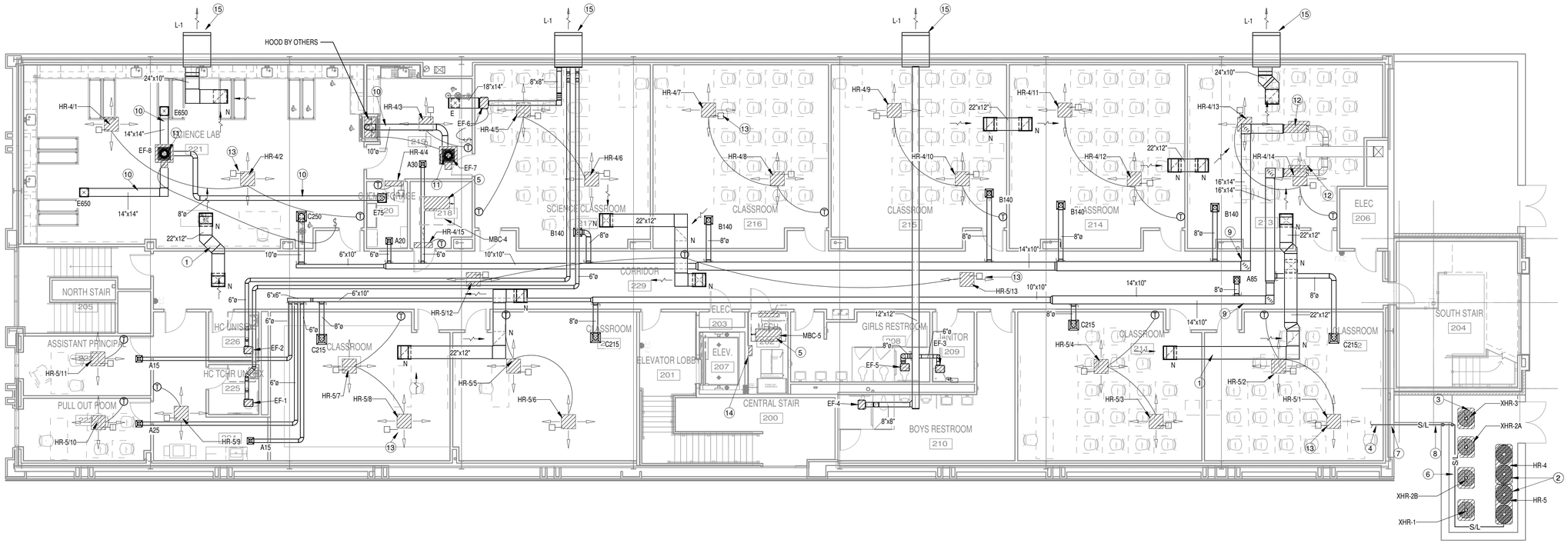
DRAWINGS SHEET TITLE
ROOF PLAN

SHEET NUMBER
A901

22011
PROJECT NUMBER

SAVED: LEOT
PLOT : LEO TAN
PLOT DATE: 9/7/2022 4:17 PM
SHEET SIZE: ARCH expand D (36.00 x 24.00 Inches)

2ND FLOOR MECHANICAL EQUIPMENT SHALL TIE INTO EXISTING CONTROLS SYSTEM WITH NEW EMS PANEL.



MECHANICAL NOTES (#)

1	TRANSFER DUCT SHALL BE INTERNALLY LINED WITH 1" LINER (TYPICAL).
2	NEW CONDENSING UNIT MOUNTED ON ANGLE IRON STAND AS DETAILED. REFRIGERANT LINES SHALL RUN BENEATH RACK.
3	EXISTING CONDENSING UNITS TO REMAIN (TYPICAL).
4	EXTEND REFRIGERANT PIPING TO RESPECTIVE BRANCH CONTROLLER.
5	EXTEND REFRIGERANT PIPING FROM BRANCH CONTROLLER TO RESPECTIVE AIR HANDLING UNIT.
6	ROUTE REFRIGERANT PIPING SECURED TO CONCRETE PAD AS DETAILED. REFRIGERANT PIPE SHALL HAVE MASTIC AND ALUMINUM JACKETING AS SPECIFIED.(TYPICAL)
7	PROVIDE A WALL MOUNTED OUTLET FOR REFRIGERANT PIPING THROUGH THE EXTERIOR WALL. REFRIGERANT PIPING TO PENETRATE WALL ABOVE 1ST FLOOR CEILING AND RISE UP TO 2ND FLOOR WITHIN EXTERIOR WALL BETWEEN STUDS TO BE CONCEALED BY GYPSUM BOARD WALL. COORDINATE EXACT ROUTING WITH ARCHITECT.
8	REFRIGERANT PIPE TO RUN ATTACHED TO SIDE OF CANOPY WITHIN A PRE-FINISHED SHEET METAL JACKETING WITH COLOR BY ARCHITECT. COORDINATE EXACT ROUTING WITH ARCHITECT.
9	DUCT TO DROP BELOW STRUCTURAL BEAM IN THIS VICINITY.
10	EXHAUST DUCT SHALL BE EPOXY COATED GALVANIZED DUCT. COORDINATE DUCT PENETRATION THROUGH ROOF WITH STRUCTURE AND FAN MANUFACTURER.
11	EXTEND DUCT TO PLUME FAN MOUNTED ON ROOF CURB. FAN SHALL BE A MINIMUM OF 10'-0" AWAY FROM EDGE OF ROOF AND SHALL EXTEND 10'-0" ABOVE ROOF LINE.
12	EXISTING 100% OUTSIDE AIR VAV BOXES AND DUCTWORK TO REMAIN. CONNECT NEW DUCT WORK TO EXISTING AS NECESSARY TO COMPLETE A WORKING SYSTEM. CONTRACTOR TO VERIFY OPERATION OF UNITS.
13	PROVIDE AN AIR IONIZATION DEVICE IN UNIT AND MOUNT AS PER MANUFACTURER'S RECOMMENDATIONS (TYPICAL).
14	WALL MOUNTED E.M.S. PANEL AS REQUIRED FOR TUERMACON CONTROLS TIE-IN.
15	EXISTING LOUVER AND BACKDRAFT DAMPER IN THIS LOCATION TO REMOVED. PRESERVE OPENING IN WALL FOR NEW LOUVERS. NEW LOUVERS TO BE EXTENDED TO THE FACE OF THE EXISTING VERTICAL PANELS OF FURRING DIRECTLY PLAN NORTH OF WALL. MATCH LOUVER FINISH TO EXISTING PANEL FINISH. CONNECT NEW EXHAUST/RELIEF DUCT TO LOUVER WITH BACKDRAFT DAMPER AS REQUIRED TO COMPLETE A WORKING SYSTEM.

(1) Second Floor Mechanical Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

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09/07/2022

PROPOSED HIGH SCHOOL

The Ehrhart School

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Beaumont, TX 77701

ISSUED FOR
SCHEMATIC DESIGN [X]
DATE: 4/25/2022
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REVISION: Addendum 1
DATE: 09-07-2022
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
MECHANICAL PLAN

SHEET NUMBER
M100

22011
PROJECT NUMBER

VARIABLE REFRIGERANT FLOW (VRF) - HEAT RECOVERY - OUTDOOR UNIT SCHEDULE

GROUP NO.	SERVICE	COOLING		HEATING				ELECTRICAL						REFRIGERANT TYPE	SOUND LEVEL dB(A)	BASIS OF DESIGN
		MIN. BTU/H OUTPUT	AMBIENT TEMP. (°F)	MIN BTU/H OUTPUT	INDOOR TEMP. (°F)	OUTDOOR TEMP. (°F)		VOLTAGE	PHASE	MCA		MOCP				
						D.B.	W.B.			CIRC. 1	CIRC. 2	CIRC. 1	CIRC. 2			
HR-4	PLAN NORTH	168000	95	188000	70	47	43	208	3	62	0	70	0	R-410A	65	DAIKIN REYQ168TTJU
HR-5	PLAN SOUTH	168000	95	188000	70	47	43	208	3	62	0	70	0	R-410A	65	DAIKIN REYQ168TTJU

NOTES:
1. MAXIMUM DISTANCE BETWEEN COMBINED UNITS ON ONE REFRIGERANT SYSTEM - 32 FEET.
2. INSULATE SUCTION, LIQUID AND RECOVERY REFRIGERANT LINES.
3. INSTALL MANUFACTURER'S RECOMMENDED "REFNET" JOINTS IN REFRIGERANT PIPING SYSTEM (DAIKIN). INSTALL BS CONTROLLERS(DAIKIN) ON EACH CONDENSING UNIT AS REQUIRED BY MANUFACTURER'S SPECIFICATIONS (MAXIMUM OF TWO BC/BS PER SYSTEM).
4. ALL UNITS SHALL BE COMPLETE WITH STOP VALVE WITH SERVICE PORT ON LIQUID, GAS, AND RECOVERY LINES. VALVES SHALL BE LOCATED SUCH THAT UNIT CAN BE REMOVED AND REPLACED WITHOUT SHUTTING DOWN THE ENTIRE SYSTEM.
5. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL SUB CONTRACTOR ON MANUFACTURER SELECTED FOR THE PROJECT. INSTALLATION OF REFRIGERANT PIPING, CONTROL WIRING, POWER WIRING, ETC. SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
6. BASIS OF DESIGN: DAIKIN. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL ELECTRICAL COST FOR OTHER VRF/VRV MANUFACTURES TO THE ELECTRICAL CONTRACTOR.
7. PROVIDE A TWINNING KIT FOR EACH UNIT GROUP.
8. EACH UNIT REQUIRES A DEDICATED ELECTRICAL CIRCUIT.
9. PROVIDE DI/DO BOARDS (AS REQUIRED) FOR INDIVIDUAL START/STOP CONTROL OF THE FOLLOWING UNITS: HR-4, HR-5
10. MOUNT UNITS ON STANDS AS DETAILED. ANCHOR STANDS TO CONCRETE PAD. INSTALL ISOLATION PADS BETWEEN STAND AND CONCRETE AT MOUNTING POINTS.

VARIABLE REFRIGERANT FLOW (VRF) - HEAT RECOVERY - INDOOR UNIT SCHEDULE

UNIT NO.	SERVICE	UNIT TYPE	BRANCH CONTROLLER	FAN CFM		COOLING			HEATING		ELECTRICAL			SOUND LEVEL dB (A)		CONTROL	BASIS OF DESIGN
				HIGH	LOW	MIN. BTU/H OUTPUT	E.A.T. (°F)		MIN. BTU/H OUTPUT	INDOOR TEMP (°F)	MCA	VOLTAGE	PHASE	HIGH	LOW		
							D.B.	W.B.									
HR-4/1	SCIENCE LAB 221	CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.90	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ18TAVJU
HR-4/2	SCIENCE LAB 221	CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.90	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ18TAVJU
HR-4/3	PREP ROOM 219	CEILING RECESSED	MBC-1	280	230	5000	80	67	5600	70	0.80	208	1	30	26	WALL MOUNTED CONTROLLER	DAIKIN FXZQ05TAVJU
HR-4/4	CHEMICAL STORAGE 220	WALL MOUNTED	MBC-1	210	170	6000	80	67	6700	70	0.40	208	1	36	32	WALL MOUNTED CONTROLLER	DAIKIN FXAQ07PVJU
HR-4/5	SCIENCE CLASSROOM 217	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-4/6	SCIENCE CLASSROOM 217	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-4/7	ENGLISH ELAR 216	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-4/8	ENGLISH ELAR 216	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-4/9	HISTORY 215	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-4/10	HISTORY 215	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-4/11	SOCIAL SCIENCE 214	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-4/12	SOCIAL SCIENCE 214	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-4/13	MATH 213	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-4/14	MATH 213	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-4/15	IT 218	WALL MOUNTED	MBC-1	210	170	6000	80	67	6700	70	0.40	208	1	36	32	WALL MOUNTED CONTROLLER	DAIKIN FXAQ07PVJU
HR-5/1	ELECTIVES 212	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-5/2	ELECTIVES 212	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-5/3	ELECTIVES 211	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-5/4	ELECTIVES 211	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-5/5	EARLY COLLEGE 228	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-5/6	EARLY COLLEGE 228	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-5/7	EARLY COLLEGE 227	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-5/8	EARLY COLLEGE 227	CEILING RECESSED	MBC-1	390	320	15000	80	67	17000	70	0.80	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ15TAVJU
HR-5/9	COPY ROOM 224	CEILING RECESSED	MBC-1	350	280	8000	80	67	9000	70	0.80	208	1	38	29	WALL MOUNTED CONTROLLER	DAIKIN FXZQ09TAVJU
HR-5/10	PULL OUT ROOM 223	CEILING RECESSED	MBC-1	350	280	8000	80	67	9000	70	0.80	208	1	38	29	WALL MOUNTED CONTROLLER	DAIKIN FXZQ09TAVJU
HR-5/11	ASSISTANT PRINCIPAL 222	CEILING RECESSED	MBC-1	350	280	8000	80	67	9000	70	0.80	208	1	38	29	WALL MOUNTED CONTROLLER	DAIKIN FXZQ09TAVJU
HR-5/12	CORRIDOR 229	CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.90	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ18TAVJU
HR-5/13	CORRIDOR 229	CEILING RECESSED	MBC-1	460	315	18000	80	67	20000	70	0.90	208	1	40	31	WALL MOUNTED CONTROLLER	DAIKIN FXZQ18TAVJU

NOTES:
1. UNIT SHALL BE PROVIDED WITH AIR OUTLET SHUTTER PLATES WHERE AIR FLOW IS DUCTED FROM THE UNIT OR WHERE DIRECTION FLOW ARROWS ARE NOT SHOWN.
2. ALL UNITS SHALL BE COMPLETE WITH STOP VALVE WITH SERVICE PORT ON LIQUID, GAS, AND RECOVERY LINES. VALVES SHALL BE LOCATED SUCH THAT UNIT CAN BE REMOVED AND REPLACED WITHOUT SHUTTING DOWN THE ENTIRE SYSTEM.
3. CEILING RECESSED UNITS SHALL BE PROVIDED WITH INTEGRAL CONDENSATE PUMP.
4. UNIT CONTROL: WALL MOUNTED CONTROLLER (WIRED REMOTE WALL MOUNTED CONTROLLER WITH INTEGRAL TEMPERATURE SENSOR), UNIT'S INTERNAL SENSOR (NO WALL MOUNTED CONTROLLER, TEMPERATURE SENSED AT RETURN SENSOR), WALL MOUNTED CONTROLLER W/ REMOTE SENSOR (WIRED REMOTE WALL MOUNTED CONTROLLER, TEMPERATURE SENSED AT WIRED REMOTE SENSOR), OR CENTRAL CONTROLLER/REMOTE SENSOR (SET POINTS WILL BE CONTROLLED BY CENTRAL CONTROLLER, TEMPERATURE SENSED AT WIRED REMOTE SENSOR). REFER TO PLANS FOR QUANTITY OF WALL MOUNTED CONTROLLERS REQUIRED.
5. CEILING RECESSED AND WALL MOUNTED UNITS SHALL BE PROVIDED WITH LIFE LONG FILTER WITHIN THE UNIT.
6. PROVIDE ONE (1) SPARE LIFE LONG FILTER TO OWNER FOR EACH UNIT THAT HAS A LIFE LONG FILTER.
7. PROVIDE TWO (2) SPARE SETS OF PLEATED FILTERS TO OWNER FOR EACH UNIT THAT HAS FILTER BACK GRILLES OR FILTER BOXES.
8. CONTRACTOR SHALL REMOVE THE PLASTIC CONDENSATE HOSE CLAMP (AT UNIT CONNECTION) ON EACH INDOOR UNIT. FURNISH AND INSTALL A STAINLESS STEEL HOSE CLAMP ON THE CONDENSATE DRAIN HOSE (AT UNIT CONNECTION) ON EACH INDOOR UNIT. THE STAINLESS STEEL HOSE CLAMP SHALL BE APPROPRIATELY SIZED TO CREATE A WATER TIGHT SEAL.
9. BASIS OF DESIGN: DAIKIN. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL ELECTRICAL COST FOR OTHER VRF/VRV MANUFACTURES TO THE ELECTRICAL CONTRACTOR.
10. CASSETTE UNITS SHALL CYCLE FAN ON/OFF WITH CALL FOR COOLING/HEATING. ADJUST DIP-SWITCH ON EACH UNIT AS REQUIRED TO ALLOW THE FAN TO BE OFF WHEN NO CALL FOR COOLING/HEATING.
11. PROVIDE UNITS INDICATED ON DRAWINGS WITH AIR IONIZATION DEVICES. REFERENCE LEGEND FOR IONIZATION SYMBOL AND REFER TO PLANS FOR QUANTITY AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

FAN SCHEDULE

UNIT NO.	SERVICE	MIN. CFM	EXT SP	RPM	SONES	FAN H.P.	TYPE	DRIVE	VOLTAGE	PHASE	CONTROL	MANUFACTURER	MODEL
EF-1	HC TCHR UNISEX 225	50	0.25	814	2	7 W	CEILING	DIRECT	115	1	SWITCH W/ LIGHTS	GREENHECK	SP-B80
EF-2	HC UNISEX 226	50	0.25	814	2	7 W	CEILING	DIRECT	115	1	SWITCH W/ LIGHTS	GREENHECK	SP-B80
EF-3	JANITOR 209	100	0.25	1024	3.5	45 W	CEILING	DIRECT	115	1	WALL SWITCH	GREENHECK	SP-B150
EF-4	BOYS RESTROOM 210	200	0.25	836	2.1	15 W	CEILING	DIRECT	115	1	SWITCH W/ LIGHTS	GREENHECK	SP-A200
EF-5	GIRLS RESTROOM 208	150	0.25	1024	3.5	45 W	CEILING	DIRECT	115	1	SWITCH W/ LIGHTS	GREENHECK	SP-B150
EF-6	PREP ROOM 219	255	0.25	778	0.4	30 W	INLINE CABINET FAN	DIRECT	115	1	WALL SWITCH	GREENHECK	CSP-A510
EF-7	SCIENCE LAB 221 HOOD	833	0.75	2850	70 dBA	3/4 HP	FUME EXHAUST	BELT	115	1	HOOD SWITCH	GREENHECK	VEKTOR-H-9
EF-8	SCIENCE LAB 221 PURGE	1375	1.13	3220	74 dBA	1.5 HP	FUME EXHAUST	BELT	115	1	WALL SWITCH	GREENHECK	VEKTOR-H-10

NOTES:
1. EF-1-5: PROVIDE FAN WITH INTEGRAL BACK-DRAFT DAMPER, INTEGRAL ALUMINUM CEILING GRILLE, SOLID STATE SPEED CONTROLLER FOR BALANCING, SPRING TYPE ISOLATORS.
2. EF-7,8: PROVIDE FAN WITH 7" NOZZLE WITH EXTENSION TO TERMINATE 10'-0" ABOVE ROOF, NEMA 3R TOGGLE DISCONNECT SWITCH AND MOTOR COVER (SPARK RESISTANT), BELT DRIVEN TEFC MOTOR, B.I. ALUMINUM WHEEL WITH HI-PRO POLYESTER COATING, AND ROO CURB.

DIFFUSER/GRILLE SCHEDULE

SYMBOL	SIZE	SERVICE	LOCATION	FINISH	O.B.D.	BASIS OF DESIGN
A	6 X 6	SUPPLY	CEILING	WHITE	O.B.D.	TITUS TDC-AA-3
B	9 X 9	SUPPLY	CEILING	WHITE	O.B.D.	TITUS TDC-AA-3
C	12 X 12	SUPPLY	CEILING	WHITE	O.B.D.	TITUS TDC-AA-3
E	14 X 14	EXHAUST	CEILING	WHITE	- - -	TITUS 355FL-3
N	22 X 22	RETURN	CEILING	WHITE	- - -	TITUS 355FL-3

NOTES:
1. COORDINATE FINAL FINISHES AND COLOR WITH ARCHITECT.
2. REFER TO PLANS FOR DIRECTION OF AIR FLOW FOR GRILLES. IF DIRECTION IS NOT INDICATED, AIR FLOW IS IN FOUR DIRECTION (4-WAY GRILLE).
3. COORDINATE FINAL LOCATIONS WITH REFLECTIVE CEILING PLANS. REFER TO ARCHITECTURAL DRAWINGS.
4. ALL DIFFUSERS SHALL HAVE ALUMINUM CONSTRUCTION.

LOUVER SCHEDULE

SYMBOL	SERVICE	QUANTITY	BLADE ORIENTATION	BPWP (FPM)	SIZE (W"XH"XD")	DESIGN FLOW (CFM)	FREE AREA MIN (SF)	AIR VEL. (FPM)	AIR P.D. (IN. WC)	AMCA 540/550	SCREEN (BIRD/INSECT)	BASIS OF DESIGN
L-1	EXHAUST/RELIEF	4	VERTICAL	1250	48"x12"X7"	500	1.44	347	0.05	540/550	BIRD	RUSKIN HZ700

NOTES:
1. LOUVERS SHALL HAVE 70% KYNAR FINISH, COLOR TO BE SELECTED BY ARCHITECT.
2. LOUVERS AND LOUVER ACCESSORIES TO BE ALUMINUM.
3. LOUVERS TO MEET AMCA 540/550 RATINGS.
4. LOUVERS WITHIN METAL PANELS TO BE FULLY FLANGED (NO EXTENDED SILL), ALL OTHER MOUNTING SURFACES TO HAVE CHANNEL FRAME WITH EXTENDED SILLS. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT BUILDING MATERIALS.

BRANCH CONTROLLER SCHEDULE

UNIT NO.	SERVICE	PORTS	VOLTAGE	PHASE	F.L.A.	M.C.A.	BASIS OF DESIGN
MBC-4	HR-4	12	208	1	0.95	1.57	MITSUBISHI CITY MULTI CMB-P1012NU-JA1
MBC-5	HR-5	12	208	1	0.95	1.57	MITSUBISHI CITY MULTI CMB-P1012NU-JA1

NOTES:
1. UNUSED PORTS SHALL HAVE INSULATED, CAPPED VALVES FOR FUTURE USE.

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09/07/2022

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ISSUED FOR
SCHEMATIC DESIGN [X]
DATE: 4/25/2022
DESIGN DEVELOPMENT [X]
DATE: 7/11/2022
BIDS & CONSTRUCTION [X]
DATE: 8/29/2022
REVISION: Addendum 1
DATE: 09-07-2022
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
MECHANICAL SCHEDULES

SHEET NUMBER
M300

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