

Parish Hall Package B
Our Lady of Victory - Diocese of Victoria
Project # 716-0114 B

Rawley McCoy & Associates
1908 N. Laurent St. Suite 540
Victoria, TX 77901
361-573-1642 Fax 361-573-2114



ADDENDUM NUMBER ONE

April 25, 2016

Acknowledge receipt of this addendum in the appropriate space provided on the proposal form. Failure to do so may subject bidder to disqualification. This addendum shall become part of the bidding documents and shall modify them as enumerated below.

REQUEST FOR INFORMATION (RFI)

1. RFI 1, see attached
2. RFI 2, see attached
3. RFI 3, not used
4. RFI 4, see attached

SPECIFICATIONS

1. SECTION 08 80 00 – GLAZING, GLASS & GLAZING TYPES, B, 2

See attached

Revision: **CHANGE** “Exterior glass shall be:

1. 1" thick tempered insulated glass
2. PPG Solarban 60 (3) SolarBronze + Clear
3. Solar Heat Gain Coefficient (SHGC) of 0.28
4. U-Value of 0.27
5. Refer to the drawings for material schedule and locations.”

TO “Exterior glass shall be:

1. 1" thick tempered insulated glass
2. **PPG Solarban 60 (2) SolarGray + Clear**
3. Solar Heat Gain Coefficient (SHGC) of **0.25**
4. U-Value of 0.27
5. Refer to the drawings for material schedule and locations.”

DRAWINGS

1. BG2.1 CODE REVIEW, CODE REVIEW
Revision: **CHANGE** "IBC 2009"

 TO "IBC 2012"

2. BG2.1 CODE REVIEW, EGRESS REQUIREMENTS
Revision: **CHANGE** "IBC 2009"

 TO "IBC 2012"

3. M3.1R1 HVAC SCHEDULES
Revision: **REPLACE** M3.1 HVACE SCHEDULES

 WITH M3.1R1 HVACE SCHEDULES

CLARIFICATIONS

1. Fire Sprinkler System
 - a. All fire mains to remain
 - b. New Construction Area
 - i. All heads and branch lines to be brought up to current codes
 - c. Existing to Remain Level 1 and Level 2 Shell Spaces
 - i. Repair existing system where corroded
 - ii. Verify manufacturing date of existing heads
 1. Must be within the last 50 years
 2. Replace heads older than 50 years

Attachments:

- | | |
|---------------------------|---------|
| 1. RFI 1 | 1 page |
| 2. RFI 2 | 1 page |
| 3. RFI 4 | 2 pages |
| 4. 08 80 00 – GLAZING | 2 pages |
| 5. M3.1R1 HVACE SCHEDULES | 1 page |

End of Addendum

RFI 1

1) THE STRUCTURAL DRAWINGS AREN'T CLEAR AS TO HOW THE C8X11 AND W12X22 MEMBERS FRAME INTO EACH OTHER.

WE NEED A SECTION TO HELP US DETERMINE THIS AS TO WHETHER IT IS WELDED OR BOLTED AND IF THERE WILL BE ANY COPING INVOLVED .

ALSO, WE HAD THOUGHT ABOUT SHIPPING THESE ASSEMBLED IN 40' PIECES WITH SPLICE CONNECTIONS IF WE COULD GET THEM THROUGH THE FIRST FLOOR OPENING .

THEY WILL BE 12' WIDE.

IS THE OPENING BIG ENOUGH TO DO THIS?

IF NOT, THEN WE WOULD SHIP THESE MEMBERS KNOCKED DOWN FOR FIELD ASSEMBLY BY THE ERECTOR INSIDE THE BUILDING.

2) THE JOIST AND DECK FOLKS MAY NOT BE WILLING TO MAKE THE JOIST GIRDERS IN 40' PIECES FOR SPLICING IN THE FIELD AND IF NOT THEN WE WILL NEED THE ENGINEER TO DESIGN A TRUSS TO BE MADE BY US IN 40' PIECES TO ACCOMPLISH THIS.

RESPONSES

1. CONNECTION OF C8X11.5 TO W12X22 IS A STANDARD BOLTED CONNECTION. SEE SECTION 6/BS252. COPING MAY NOT BE REQUIRED.

GC TO CONSULT/COORDINATE WITH LONG SPAN TRUSS MANUFACTURER FOR SPLICE NUMBER AND LOCATION. TRUSSES ARE INTENDED TO BE MANUFACTURED AT THE SHOP IN SEGMENTS AND SHIPPED TO JOBSITE. GC RESPONSIBLE FOR OPENING SIZE ADEQUACY, IF LARGER OPENING IS REQUIRED, GC TO INFORM ARCH/ENGINEER.

2. COORDINATE TRUSS SHIPPING LENGTH WITH MANUFACTURER. UNCLEAR WHY 40FT TRUSSES WOULD NOT BE FEASIBLE TO BE MADE BY MANUFACTURER.

END OF RESPONSES

MEI BY PG 04-19-16



PO BOX 2146 ♦ VICTORIA, TX 77902
(361) 576-0003 ♦ (361) 578-1626 FAX

OWNER []
ARCHITECT / DESIGNER [X]
CONTRACTOR []
ENGINEER []
FIELD []
OTHER []

REQUEST FOR INFORMATION

PROJECT:
Our Lady of Victory-Parish Hall

RFI No: 002

DATE OF ISSUANCE: 4-18-16

OWNER:
Our Lady of Victory_____

ARCHITECT/DESIGNER:
Rawley McCoy & Associates_____

TO: Patrick Ohrt

PROJECT NO: 716-0114B

Please submit a response to the below indicated request/s for information in the form of an ASI, Proposal Request, and/or a qualified transmittal as dictated and/or necessitated by said response. An adequate response is requested within one (1) day/s after the receipt of the Request for Information by the designated party above to whom this communication was submitted or must notify the Contractor of the anticipated date on which a submission is anticipated. Should further information be required by the designated party to which the Request for Information is submitted, said party should contact the requestor within a reasonable frame of time so as not to cause an undue delay of further delay to construction.

ITEM/S:

- 1. Are the pull stations at the East Stairwell required? None are shown on the drawings for the first or second floor.
- 2. Is elevator recall going to be required? There are no smoke detectors shown on either floor of the elevator lobby.

ATTACHMENTS:

ISSUED BY:

*Sharon Rose Fisher -Estimator
Lauger Companies, Inc.*

RESPONSE:

ATTACHMENTS:

- 1. Pull stations are not required at the East Stairwell.
- 2. There is no elevator in the project.

Issued By:

Authorized Signature

Patrick Ohrt, Architect

Printed Name / Title

04.18.2016

Date Issued

END OF DOCUMENT



PO BOX 2146 ♦ VICTORIA, TX 77902
(361) 576-0003 ♦ (361) 578-1626 FAX

OWNER []
ARCHITECT / DESIGNER [X]
CONTRACTOR []
ENGINEER []
FIELD []
OTHER []

REQUEST FOR INFORMATION

PROJECT:
Our Lady of Victory-Parish Hall

RFI No: 004

DATE OF ISSUANCE: 4-21-16

OWNER:
Our Lady of Victory _____

ARCHITECT/DESIGNER:
Rawley McCoy & Associates _____

TO: Patrick Ohrt

PROJECT NO: 716-0114B

Please submit a response to the below indicated request/s for information in the form of an ASI, Proposal Request, and/or a qualified transmittal as dictated and/or necessitated by said response. An adequate response is requested within one (1) day/s after the receipt of the Request for Information by the designated party above to whom this communication was submitted or must notify the Contractor of the anticipated date on which a submission is anticipated. Should further information be required by the designated party to which the Request for Information is submitted, said party should contact the requestor within a reasonable frame of time so as not to cause an undue delay of further delay to construction.

ITEM/S:

1. Mechanical drawings have two louver schedules. Which one is to be used?
2. Is there a spec on EOWS-1 on Detail 1/BP2.2?
3. Who is to include tap fees for utility services?
4. Clarify the fire sprinkler system. Are the sprinkler system mains to be demo'd? Should the sprinkler heads be replaced due to their age?
5. What is the status of the parking lot? Do we consider cutting and patching, or is it being replaced?
6. Please provide a letter/direction from the Fire Marshall indicating what is being accepted for the sprinkler system in this project.
7. Is there an allowance for the access control system?
8. What has been provided for audio/visual system infrastructure?

ATTACHMENTS:

ISSUED BY:

Sharon Rose Fisher -Estimator
Lauger Companies, Inc.

RESPONSE:

ATTACHMENTS:

Issued By:

Authorized Signature

Printed Name / Title

Date Issued

END OF DOCUMENT

RFI 4

1. Mechanical drawings have two louver schedules. Which one is to be used?
Mechanical Engineer: See attached 15783B M3.1R1
2. Is there a spec on EOWS-1 on Detail 1/BP2.2?
Plumbing Engineer: Furnish and install a submersible elevator sump pump and accessories where indicated on the drawings. Assembly shall consist of a sump pump (SP-1), piping, valves, power and control wiring, receptacles, control panel, remote alarm and Oil/Water Separator. Sump Pump (SP-1) shall be Park ELV Series. Oil/Water separator (EOWS-1) shall be Park Model ES.
3. Who is to include tap fees for utility services?
RMA: Whoever is providing/installing the tap will pay the tap fees
4. Clarify the fire sprinkler system. Are the sprinkler system mains to be demo'd? Should the sprinkler heads be replaced due to their age?
RMA: All fire mains to remain

New Construction Area
 - All heads and branch lines to be brought up to current codesExisting to Remain Level 1 and Level 2 Shell Spaces
 - Repair existing system where corroded
 - Verify manufacturing date of existing heads
 - i. Must be within the last 50 years
 - ii. Replace heads older than 50 years
5. What is the status of the parking lot? Do we consider cutting and patching, or is it being replaced?
RMA: Bidders shall consider cutting and patching of the existing parking lot if their scope of work occurs within the parking lot area
6. Please provide a letter/direction from the Fire Marshall indicating what is being accepted for the sprinkler system in this project.
RMA: New Construction
 - All heads and branch lines to be brought up to current codesExisting to remain Level 1 and Level 2 Shell Spaces
 - Repair existing system where corroded
 - Verify manufacturing date of existing heads
 - i. Must be within the last 50 years
 - ii. Replace heads older than 50 years
7. Is there an allowance for the access control system?
RMA: No
8. What has been provided for audio/visual system infrastructure?
RMA: Power and control connections are provided. Refer to Electrical Power Plans

SECTION 08 80 00 – GLAZING

The Conditions of the Contract and applicable requirements of Division 01 govern this section.

REFERENCE SPECIFICATIONS

- A. Work under this section shall be governed by the current editions of the following standards and specifications to the extent that they are applicable:
 - 1. Glass shall conform to Federal Specifications DD-G-451C. Qualities to be the highest of their categories.
 - 2. Installation shall conform to the requirements of the Flat Glass Jobbers Association.

APPROVED SUPPLIERS

- A. Glass:
 - 1. Guardian Industries.
 - 2. American Saint-Gobain (ASG)
 - 3. Libbey-Owens-Ford Company (LOF)
 - 4. Pittsburgh Plate Glass Company (PPG)
 - 5. American Flat Glass Company (AFG)

GLASS & GLAZING TYPES

- A. Provide all glass and glazing with the manufacturer's label intact. Do not remove labels until glass and glazing has been installed and inspected.
- B. Exterior glass shall be:
 - 1. 1" thick tempered insulated glass
 - 2. **PPG Solarban 60 (2) SolarGray + Clear**
 - 3. Solar Heat Gain Coefficient (SHGC) of 0.25
 - 4. U-Value of 0.27
 - 5. Refer to the drawings for material schedule and locations.
- C. Interior glass shall be 1/4" thick laminated safety glass, clear, with .030 plastic interlayer.
- D. Mirrors shall be installed with continuous polished chrome "J" trim top and bottom and mirror mastic.
- E. Non-framed mirrors shall be 1/4" thick commercial quality polished plate glass with silver backing.

GLAZING PROCEDURES

- A. In pressed steel frames, clean glass and rabbet of dirt, moisture and oil. Apply ample glazing compound, as approved by glass or glazing panel manufacturer, to rabbet. Center glass or glazing panel in frame. Press glass or glazing panel into rabbet allowing 1/8" depth of back putty. Butter continuous stop bead against glass or glazing panel, allowing 1/8" bed of compound between glass or glazing panel face and stop bead. Strike surplus compound from both sides of glass or glazing panel.
- B. Screw on continuous glazing bead furnished by hollow metal door and frame manufacturer. Confirm with General Contractor that interior sides of fixed and applied stops have been painted with final color prior to glass installation.

- C. In aluminum window units use extruded aluminum glazing beads and elastomeric gaskets as furnished by the system manufacturer.
- D. Mirrors shall be installed with continuous polished chrome “J” trim top and bottom and mirror mastic.

PROTECTION & CLEANING

- A. After installation the General Contractor shall take all necessary measures to protect glass surfaces and shall be responsible for final cleaning.
- B. At completion of work and immediately prior to final inspection, remove all dirt, stains, etc., from glass and adjacent finishes. Clean both sides of glass.
- C. Do not use acid solutions or water containing caustic soaps. Use commercial cleaning solutions and methods acceptable to the manufacturers of the glass.

END OF SECTION 08 80 00

AIR DEVICE SCHEDULE						
DESIG.	NECK SIZE	TYPE	SERVICE	OBVD DAMPER	MOUNTING	MANUFACTURER & REMARKS
(A)	6"Ø	DIFFUSER	SUPPLY	NO	LAY-IN	TITUS TMS-AA, 360° DISCHARGE, ALUMINUM CONSTRUCTION, 24" X 24" LAY-IN PANEL, WHITE FINISH
(B)	8"Ø	DIFFUSER	SUPPLY	NO	LAY-IN	TITUS TMS-AA, 360° DISCHARGE, ALUMINUM CONSTRUCTION, 24" X 24" LAY-IN PANEL, WHITE FINISH
(C)	10"Ø	DIFFUSER	SUPPLY	NO	LAY-IN	TITUS TMS-AA, 360° DISCHARGE, ALUMINUM CONSTRUCTION, 24" X 24" LAY-IN PANEL, WHITE FINISH
(D)	6"x6"	GRILLE	SUPPLY / EXHAUST	NO	DUCT	TITUS TDC-AA, 2-WAY DISCHARGE, BORDER TYPE, ALUMINUM CONSTRUCTION, WHITE FINISH
(E)	12"Ø	DIFFUSER	SUPPLY	NO	LAY-IN	TITUS TMS-AA, 360° DISCHARGE, ALUMINUM CONSTRUCTION, 24" X 24" LAY-IN PANEL, WHITE FINISH
(F)	12"x10"	GRILLE	SUPPLY	YES	DUCT	TITUS TDC-AA - ONE WAY DISCHARGE, ALUMINUM CONSTRUCTION
(G)	12"x12"	GRILLE	SUPPLY	YES	DUCT	TITUS TDC-AA - ONE WAY DISCHARGE, ALUMINUM CONSTRUCTION
(H)	14"Ø	DIFFUSER	SUPPLY	NO	LAY-IN	TITUS TMS-AA, 360° DISCHARGE, 24X24 LAY-IN PANEL, ALUMINUM CONSTRUCTION, WHITE FINISH
(I)	12"x8"	DIFFUSER	SUPPLY	NO	SIDEWALL	TITUS 300FS DOUBLE DEFLECTION, ALUMINUM CONSTRUCTION, WHITE FINISH
(J)	10"x6"	DIFFUSER	SUPPLY	NO	SIDEWALL	TITUS 300FS DOUBLE DEFLECTION, ALUMINUM CONSTRUCTION, WHITE FINISH
(K)	22"x22"	GRILLE	SUPPLY TO PLENUM	NO	LAY-IN	TITUS PAR-AA LAY-IN 24"X24" PANEL BORDER TYPE 2, ALUMINUM CONSTRUCTION
(L)	8"x8"	DIFFUSER	SUPPLY	NO	DUCT	TITUS TDC-AA, 3-WAY DISCHARGE BOULDER TYPE, ALUMINUM CONSTRUCTION, WHITE FINISH
(R1)	22"x22"	GRILLE	RETURN	NO	LAY-IN	TITUS 50F, ALUMINUM CONSTRUCTION, WHITE FINISH, 24"X24" PANEL
(R2)	8"x8"	GRILLE	RETURN/TRANSFER	NO	LAY-IN	TITUS 50F, 35° DEFLECTION, ALUMINUM CONSTRUCTION, WHITE FINISH, 24"X24" PANEL
(R3)	10"x10"	GRILLE	RETURN/EXHAUST	NO	LAY-IN	TITUS 50F, ALUMINUM CONSTRUCTION, WHITE FINISH
(R4)	48"X24"	GRILLE	RETURN	NO	SURFACE	TITUS 350RL, 3/4" SPACING 35° FIXED DEFLECTION WHITE FINISH
(R5)	12"x12"	GRILLE	RETURN	NO	DUCT/SIDEWALL	TITUS 350FL, 3/4" SPACING 35° DEFLECTION WHITE FINISH
(R6)	16"X16"	GRILLE	TRANSFER	NO	LAY-IN	TITUS 50F, 24"X24" PANEL, WHITE FINISH
(R7)	10"X10"	GRILLE	RETURN	NO	DUCT MOUNTED	TITUS 355FL 1/2" SPACING, 35° DEFLECTION ALUMINUM CONSTRUCTION
(R8)	12"X8"	GRILLE	RETURN	NO	DUCT/SURFACE	TITUS 355FL 1/2" SPACING, 35° DEFLECTION ALUMINUM CONSTRUCTION
(R9)	24"X24"	GRILLE	TRANSFER	NO	SURFACE	TITUS 350FL, 3/4" SPACING 35° DEFLECTION ALUMINUM CONSTRUCTION

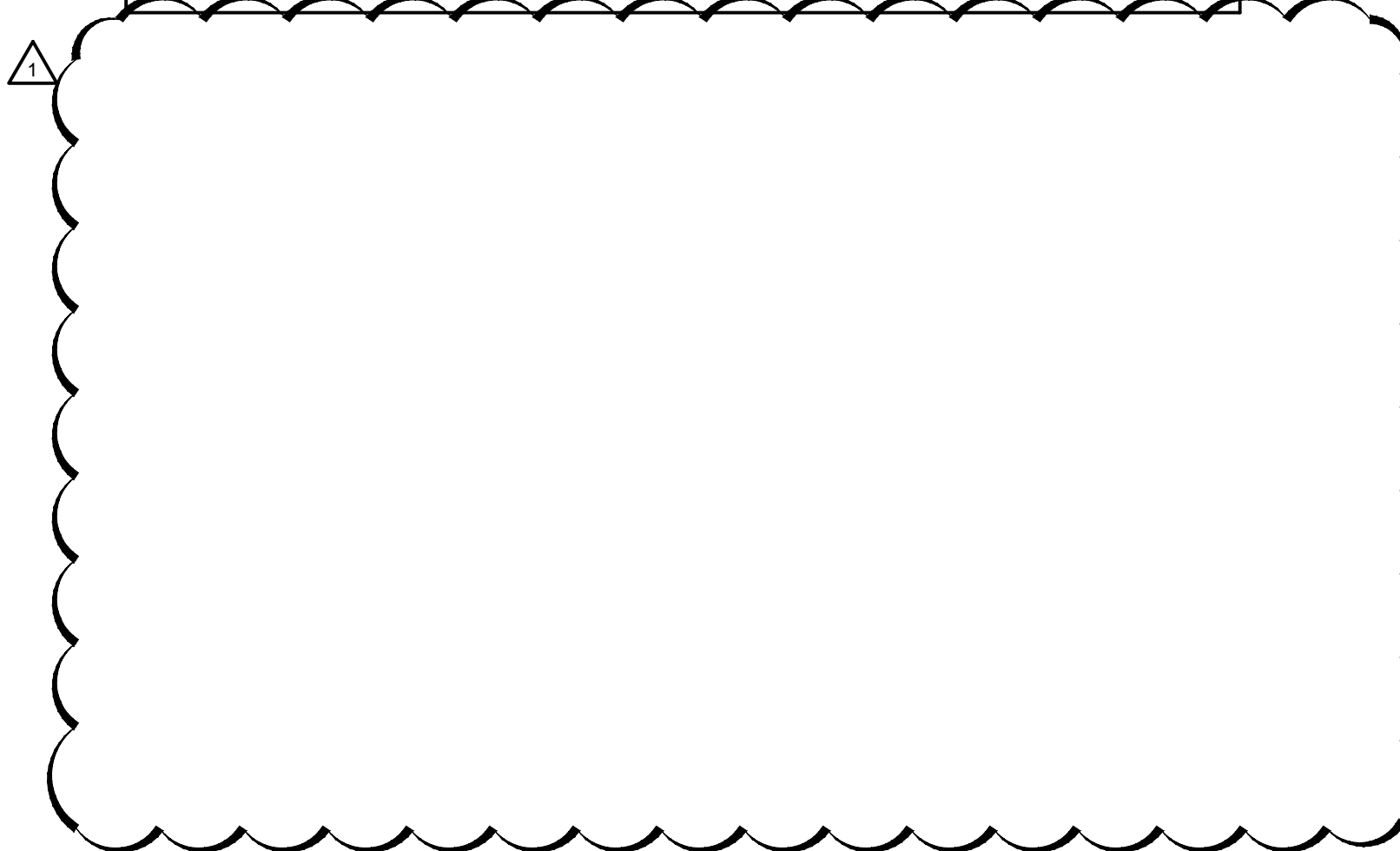
NOTES:

- OBVD - OPPOSED BLADE VOLUME DAMPER.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE THE AIR DEVICE FRAME AND MOUNTING SYSTEM TO MATCH THE ARCHITECT CEILING TYPES. SEE ARCHITECTURAL DRAWINGS FOR COORDINATION.
- CONFIRM AIR DEVICE COLOR WITH ARCHITECT.
- ON ALL REGISTERS, PROVIDE CONCEALED FRAME MOUNTING. NO SCREWS SHALL BE IN FACE OF FRAME.
- NECK SIZE IS NOTED ON THE DRAWINGS AND SHALL BE THE SAME SIZE AS THE DUCT RUNOUT TO THE DIFFUSER.

ROOF CAP SCHEDULE						
DESIG.	THROAT SIZE (IN)	HOOD AREA (FT²)	HEIGHT (IN)	SERVES	TYPE	MANUFACTURER & MODEL NO.
RC-1	16"X72"	8	11	AHU-1A & AHU-1B	O.A. RELIEF	COOK VR
RC-2	32X66"	14.67	17.25	AHU-6	RELIEF	COOK VR
RC-3	32X66"	14.67	17.25	RTU-1A	RELIEF	COOK VR
RC-4	32X66"	14.67	17.25	RTU-1B	RELIEF	COOK VR
RC-5	32X66"	14.67	17.25	RTU-4	RELIEF	COOK VR
RC-6	16X42"	4.67	13.75	RTU-3	RELIEF	COOK VR

NOTES:

- FURNISH WITH 14" HIGH INSULATED ROOF CURB.
- PROVIDE MOTORIZED DAMPER INTERLOCKING WITH AHU-1A AND AHU-1B ECONOMIZER CYCLE.



ELECTRIC DUCT HEATER SCHEDULE									
MARK	SERVES	KW	NUMBER OF STAGES	V/PH	EAT °F	LAT °F	CFM	MANUFACTURER & MODEL NO.	
EDH-1A,1B	AHU-1A,1B	56	SCR	460/3/60	58.4	85.6	6650	REDDI MODEL RN	
EDH-2	AHU-2	16	2	460/3/60	67.7	86.7	2665	REDDI MODEL R	
EDH-3	AHU-3	18	2	460/3/60	64.9	86.6	2660	REDDI MODEL R	
EDH-4	AHU-4	23	2	460/3/60	64.9	83.5	3910	REDDI MODEL R	
EDH-5	AHU-5	12	2	460/3/60	62.4	85	1800	REDDI MODEL R	
EDH-6	AHU-6	52	SCR	460/3/60	67.4	90.8	7005	REDDI MODEL RN	

NOTES: (APPLY TO ALL EDHS UNLESS OTHERWISE NOTED)

- MAINTAIN NATIONAL ELECTRICAL CODE CLEARANCES IN FRONT OF HEATER CONTROL PANEL.
- MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES TO COMBUSTIBLES.
- PROVIDE MANUFACTURER'S RECOMMENDED MOUNTING HARDWARE.
- MAXIMUM AIRSIDE PRESSURE LOSS - 0.10".
- PROVIDE 24V CONTROLS WITH TRANSFORMER.
- PROVIDE INSULATED TERMINAL BOX.
- PROVIDE SAFETY AND OPERATING CONTROLS PER NEC.
- EXTERNALLY INSULATE ALL SURFACES SUBJECT TO CONDENSATION.
- FUSING SHALL BE BY STAGES.
- SINGLE POINT WIRING CONNECTION.
- SLIP-IN, OPEN ELEMENT TYPE.
- PROVIDE SAFETY DISCONNECT SWITCH, AIRFLOW SWITCH, HIGH TEMPERATURE CUTOFF.
- PROVIDE WALL MOUNTED REMOTE S.C.R. CONTROL TERMINAL BOX FOR EDH-1A, EDH-1B, AND EDH-6.

LOUVER SCHEDULE						
DESIG.	SIZE (W x H)	NET FREE AREA (FT²)	TYPE	CFM	SERVES	MANUFACTURER & MODEL NO.
L-1	60X42	9.6	INTAKE	6650	AHU-1A	RUSKIN ELF6375DX
L-2	60X42	9.6	INTAKE	6650	AHU-1B	RUSKIN ELF6375DX
L-3	72X48	13.46	INTAKE	9235	AHU-2, 3, & 4	RUSKIN ELF6375DX
L-4	30X24	2.5	INTAKE	1800	AHU-5	RUSKIN ELF6375DX
L-5	60X42	9.6	INTAKE	7005	AHU-6	RUSKIN ELF6375DX
L-6	42X18	2.32	EXHAUST	1200	EF-1	RUSKIN ELF6375DX
L-7	12X18	0.58	EXHAUST	100	EF-3	RUSKIN ELF6375DX

NOTES:

- PROVIDE BIRD SCREEN.
- COORDINATE FINISH AND FRAME CONSTRUCTION WITH ARCHITECT.
- COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
- PROVIDE DRAINABLE BLADES AND EXTENDED SILL.

FAN SCHEDULE												
DESIG.	CFM	E.S.P.	H.P.	V/PH	RPM	TYPE	SERVICE	SONES	MANUFACTURER & MODEL NO.	CONTROL	WEIGHT WITH CURB (LBS.)	NOTES
EF-1	1325	0.30	1/2	120/1/60	823	IN	MENS/ WOMENS	3.4	COOK GC1000	A	125	1,2,3,7,10
KEF-1	2100	1.3	1	460/3/60	1202	UB	KITCHEN HOOD	13.1	ACCUREX XRUD-180HP-10	B	170	1,2,3,4,5,6,8,9
EF-2	100	0.25	1/10	120/1/60	929	CD	UNISEX	1.9	COOK GC144	C	15	1,2,3,7
KSF-1	1420	0.5	1/2	120/1/60	875	MU	KITCHEN HOOD	12	ACCUREX XKSFB-108-H15-01	B	365	1,2,3,5,9

NOTES:

- PROVIDE INTEGRAL BACKDRAFT DAMPER.
- PROVIDE THERMAL PROTECTION.
- PROVIDE INTERNAL DISCONNECT SWITCH, FACTORY MOUNTED.
- PROVIDE BIRD SCREEN.
- PROVIDE 14" HIGH INSULATED ALUMINUM ROOF MOUNTING CURB WITH PITCH TO MATCH ROOF SLOPE. SECURE CURB TO ROOF AND FAN TO CURB PER LOCAL WINDSTORM REQUIREMENTS. COORDINATE WITH STRUCTURAL ENGINEER. COORDINATE WITH ROOFING CONTRACTOR BEFORE SETTING CURB TO AVOID CONFLICTS WITH ROOF WARRANTY.
- PROVIDE STAINLESS STEEL SCREWS TO SECURE FAN TO CURB.
- PROVIDE WITH SPEED CONTROL MOUNTED WITHIN FAN HOUSING.
- KEF-1: PROVIDE VENTED ROOF CURB EXTENSION, HINGED KIT WITH CABLES AND GREASE TRAP WITH DRAIN CONNECTION.
- KEF-1 AND KSF-1 SHALL BE PROVIDED WITH 14" HIGH INSULATED COMBINATION SUPPLY/EXHAUST CURB, SUPPLY AIR INTAKE EXTENSION WITH SUPPORT AND WEATHER HOOD WITH ALUMINUM MESH INTAKE FILTERS.
- PROVIDE HANGER KIT FOR MOUNTING ABOVE CEILING.

TYPE:

- UB - UPBLAST CENTRIFUGAL ROOF EXHAUSTER - BELT DRIVE CD - CEILING MOUNTED CABINET EXHAUSTER - DIRECT DRIVE IN - IN-LINE, SUSPENDED - DIRECT DRIVE
- MU - MAKE UP AIR UNIT BELT DRIVE

CONTROL:

- A- INTERLOCK WITH AHU-6.
- B- INTERLOCK WITH SWITCH ON HOOD AND FAN CONTROL PANEL ON HOOD.
- C- INTERLOCK WITH AHU-2.

GENERAL NOTES: (APPLICABLE TO ALL FANS)

- MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES FOR MAINTENANCE.
- MAINTAIN 10" MINIMUM CLEARANCE BETWEEN OA AND EXHAUST AIR.

AIR HANDLING UNIT SCHEDULE - DIRECT EXPANSION																	
MARK	FAN				COOLING COIL							ELECTRICAL			MANUFACTURER & MODEL NO.	WEIGHT (LBS)	
	SUPPLY CFM	OUTDOOR AIR CFM	E.S.P. IN. WG	MOTOR H.P.	TOTAL CAPACITY MBH	SENSIBLE CAPACITY MBH	ENTERING AIR DBWB (°F)	LEAVING AIR DBWB (°F)	ROWS	FINS PER INCH	FACE AREA SQ.FT.	FAN FLA	MCA	MOCP			V/PH
AHU-1A,1B	6650	1890	1.06	7.5	318.4	186.8	80.4/69.4	54.2/54	8	11	14.34	9.3	11.6	20	460/3/60	CARRIER 39M 014	2540
AHU-2	2665	155	1.00	3	84.8	65.3	76.0/63.3	53.6/52.3	4	14	5.9	3.9	4.9	6	460/3/60	CARRIER 39M 06	1690
AHU-3	2660	335	1.00	2	96.7	70.6	77.4/64.3	52.8/51.7	6	8	5.9	2.8	3.5	6	460/3/60	CARRIER 39M 06	1430
AHU-4	3910	450	1.00	5	165.8	101.3	77.4/67	53.7/53.1	6	11	7.64	6.5	8.1	10	460/3/60	CARRIER 39M 08	1710
AHU-5	1800	320	1.00	1.5	82.3	47	75.5/68.3	52.9/52.3	6	8	4.13	2.1	2.6	3	460/3/60	CARRIER 39M 06	1450
AHU-6	7005	450	1.00	7.5	226	175.7	76/63.4	53.2/52.39	6	11	14.34	9.4	11.8	20	460/3/60	CARRIER 39M 014	2430

NOTES:

- MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES FOR MAINTENANCE.
- PROVIDE 2" THICK, MERV-8 FILTER.
- PROVIDE 8" HIGH BASE RAILS.
- PROVIDE STAINLESS STEEL DRAIN PANS.
- PROVIDE SPRING ISOLATION FOR FAN MOTOR.
- PROVIDE FILTER MIXING BOX AT AHU-1A AND AHU-1B.
- PROVIDE ANGLE FILTER SECTION FOR AHU-2 THROUGH AHU-6.
- PROVIDE EXPANSION VALVE AT EACH COIL.
- AHU-1A,1B,3,5: PROVIDE CO2 SENSOR MOUNTED ADJACENT TO THERMOSTAT OR COMBINATION CO2 SENSOR THERMOSTAT AND DEMAND CONTROL VENTILATION SEQUENCE.
- PROVIDE MANUFACTURER'S LOW PROGRAMMABLE DIGITAL THERMOSTAT WITH AUXILIARY OUTSIDE AIR DAMPER CONTACT AND DEMAND CONTROL VENTILATION SEQUENCE CAPABILITY.
- PROVIDE RETURN AIR DAMPER, OUTSIDE AIR DAMPER AND RELIEF AIR DAMPERS INTERLOCKED FOR ECONOMIZER CONTROL. PROVIDE ECONOMIZER SEQUENCE OF OPERATION. PROVIDE XCI SMARTZONE, OR EQUAL, CONTROLLER AND SENSORS.
- AHU-1A, 1B: PROVIDE FACTORY MIXING BOX WITH RETURN AND OUTSIDE AIR DAMPERS. HVAC CONTRACTOR SHALL PROVIDE MODULATING ACTUATORS FIELD INSTALLED, INTERLOCKED FOR ECONOMIZER OPERATION.

DUCTLESS MINI-SPLIT SYSTEM																	
DESIG.	CFM	SENSIBLE CAPACITY (BTU/HR)	LATENT CAPACITY (BTU/HR)	TOTAL CAPACITY (BTU/HR)	REF LINE SIZES		ELECTRICAL DATA					INDOOR UNIT WEIGHT (LBS)	OUTDOOR UNIT WEIGHT (LBS)	MANUFACTURER & MODEL NO.			
					LIQUID	GAS	RLA	SEER @ ARI	SYSTEM MCA	SYSTEM MOCP	V/PH						
AH-1/CU-1	194	5,490	3,300	8,790	3/8"	1/2"	2.9	18.0	8.0	15.0	209/1/60	20	75	DAIKIN INDOOR/OUTDOOR FTX09LVJURXS09LVJU			

NOTES:

- SINGLE POINT POWER CONNECTION.
- PROVIDE INTEGRAL FACTORY INSTALLED AND WIRED CONTROLS: FAN CONTACTOR, LOW VOLTAGE TRANSFORMER, CONTROL WIRING TERMINAL STRIP AND DISCONNECT.
- MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES FOR MAINTENANCE.
- PROVIDE CONDENSATE DRAIN P-TRAP AT ROOF OUTLET.
- PROVIDE FACTORY PROGRAMMABLE, DIGITAL THERMOSTAT.
- PROVIDE LOW AMBIENT CONTROL, DOWN TO OFF.
- REFRIGERANT LINE SIZES SHOWN FOR REFERENCE ONLY. PROVIDE REFRIGERANT LINE SIZES AND INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE FACTORY APPLIED CONDENSER COIL COATINGS.
- THREE SPEED FAN.
- MAXIMUM 35dB.
- VARIABLE SPEED, DIGITAL INVERTER COMPRESSOR.
- HIGH AND LOW PRESSURE SAFETY.
- INDOOR COIL FREEZE PROTECTION.
- AUTOMATIC RESTART AFTER POWER INTERRUPTION.
- INSULATE BOTH REFRIGERANT LIQUID AND GAS LINES.

* COOLING CAPACITIES AT 95°F AMBIENT, 76°F DB/63°F WB INDOOR CONDITIONS

PIPING MATERIALS:

- REFRIGERANT: ASTM B280, TYPE ACR HARD DRAWN COPPER TUBING WITH ASME B16.22 WROUGHT COPPER FITTINGS.
- CONDENSATE DRAIN: ASTM B88, TYPE L HARD DRAWN COPPER TUBING WITH ASME B16.22 WROUGHT COPPER FITTINGS.

AIR COOLED CONDENSING UNIT SCHEDULE																	
MARK	OUTDOOR AMBIENT (°F)	CAPACITY MBH	NO. OF COMPRESSORS	ELECTRICAL					LIQUID LINE SIZE		SUCTION LINE SIZE		EER @ ARI	WEIGHT (LBS)	MANUFACTURER & MODEL NO.		
				V/PH	QTY	COMPRESSOR RLA	MCA	MOCP	1/2"	3/4"	1/2"	3/4"					
ACCU-1A,1B	98	318.4	2	460/3/60	2 EA.	23.1	57.8	80	3/4"	1/2"	1/2"	1/2"	10.9	1300	CARRIER 38APD027		
ACCU-2	98	84.8	1	460/3/60	1 EA.	12.6	18.0	25	3/4"	-	1/2"	-	12.9	430	CARRIER 38AUD208		
ACCU-3	98	96.7	2	460/3/60	2 EA.	12.6	19	25	3/4"	3/4"	3/4"	3/4"	12.4	490	CARRIER 38AUD012		
ACCU-4	98	165.8	2	460/3/60	2 EA.	12.2 EA.	29.9	40	3/4"	3/4"	1/2"	1/2"	13.4	730	CARRIER 38AUD016		
ACCU-5	98	82.3	1	460/3/60	1 EA.	12.6	18	25	3/4"	-	1/2"	-	12.9	430	CARRIER 38AUD208		
ACCU-6	98	226	2	460/3/60	2 EA.	16.7 EA.	40.8	50	3/4"	3/4"	1/2"	1/2"	13.6	1150	CARRIER 38AUD025		

NOTES: (APPLICABLE TO ALL ACCU'S)

- MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES FOR MAINTENANCE.
- REFRIGERANT PIPE SIZE SHOWN ARE FOR REFERENCE PURPOSES ONLY. CONFIRM EXACT SIZES WITH MANUFACTURER AND ADJUST AS NECESSARY. COMPLETE REFRIGERANT PIPING INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE SIGHT GLASS AND FILTER DRYER IN LIQUID ADJACENT TO CONDENSING UNIT IF NOT PROVIDED WITHIN UNIT.
- PROVIDE LOW AMBIENT CONTROL.
- PROVIDE SHORT CYCLE PROTECTION.
- PROVIDE HIGH AND LOW PRESSURE SWITCHES WITH MANUAL RESET.
- PROVIDE CRANKCASE HEATER.
- PROVIDE ACCUMULATOR WHEN RECOMMENDED BY MANUFACTURER.
- PROVIDE DOUBLE SUCTION RISER WHERE RECOMMENDED BY MANUFACTURER.
- PROVIDE FACTORY APPLIED E-COATING OR FIELD APPLIED ENERGY GUARD COATING ON CONDENSER COILS. PROVIDE FIELD APPLIED ENERGY GUARD COATING ON UNIT CASING.
- REFRIGERANT PIPE SIZE SHOWN FOR REFERENCE ONLY. VERIFY REFRIGERANT PIPE SIZE REQUIREMENTS WITH MANUFACTURER.
- WHEN FINAL LENGTH OF REFRIGERANT PIPE IS DETERMINED ON SITE COORDINATE WITH MANUFACTURER AND PROVIDE DOUBLE SUCTION RISER WHERE REQUIRED WITH RECOMMENDED PIPE SIZES.
- ACCU-2 AND ACCU-5 HAVE A 2-STAGE COMPRESSOR.

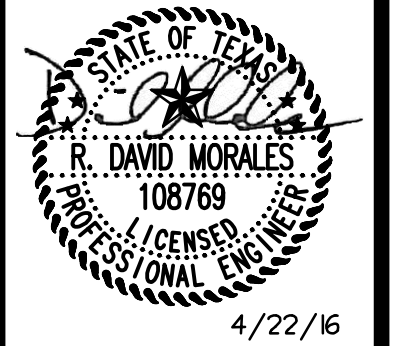
HOOD SCHEDULE	
DESIGNATION	DESCRIPTION AND REFERENCE SPECIFICATION
KH-1	<ol style="list-style-type: none"> KITCHEN EXHAUST HOOD - ACCUREX XBW-126-S 126"X48"X24" HIGH 18 GAUGE TYPE 304 STAINLESS STEEL CANOPY HOOD WITH HANGER BRACKETS AT CORNERS AND EXHAUST COLLAR. EXTERIOR JOINTS AND SEAMS SHALL BE LIQUID TIGHT, GROUND SMOOTH AND POLISHED. PROVIDE AMEREX RP MODEL FSK FIRE SUPPRESSION SYSTEM (WET CHEMICAL). PROVIDE 304 STAINLESS STEEL PLENUM, 6" WIDE BY LENGTH OF HOOD. MOUNT FLUSH WITH TOP OF HOOD. EXTEND DOWN TO WITHIN 3/2" OF FINISHED FLOOR. PROVIDE FACTORY MOUNTED SUPPLY AND EXHAUST COLLARS. PROVIDE DAMPER AT EXHAUST AIR INTAKE, ACCESSIBLE FROM FACE OF HOOD. PROVIDE FAN CONTROL CENTER. PROVIDE HOOD ENCLOSURE PANEL, 17" HIGH. PROVIDE BACK SPLASH, WIDTH OF HOOD, 32" HIGH. MOUNT FAN CONTROL PANEL, TANK, AND FIRE PROTECTION PANEL WITHIN CABINET ON RIGHT END OF HOOD. UL-710 LISTED WITHOUT EXHAUST FIRE DAMPER - UL-R25625. GREASE FILTER AND LIGHTS.

NOTE:

- MOUNT BOTTOM OF HOOD 6'-6" ABOVE FINISHED FLOOR.



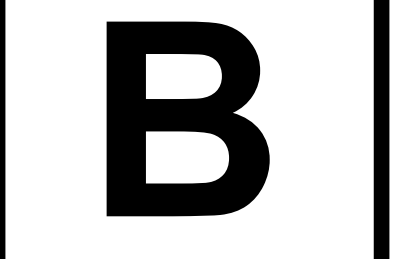
Final Plans for Bidding and Construction



STRIDDE, CALLINS & ASSOCIATES INC.
CONSULTING ENGINEERS
MECHANICAL ELECTRICAL
3601 883-9194
Fax: 094-825-99
342 S. Newberry Blvd.
Copper Chase, TX 74846-9018
Registration # F-006328

PARISH HALL
 Our Lady of Victory Catholic Church - Diocese of Victoria
 TORONTO, TX
PACKAGE B - PARISH HALL

DATE ISSUED:
April 22, 2016



PROJECT NUMBER:
716-0114B

PLAN NORTH TRUE NORTH
SHEET NAME
HVAC SCHEDULES
SHEET NUMBER

BM3.1R1

04-22-16: ADDENDUM1, DELETE LOUVER SCHEDULE