

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 TWO

April 29, 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 3, see attached
2. RFI 5, see attached
3. RFI 6, see attached

SPECIFICATIONS

1. SECTION 04 20 00 – UNIT MASONRY, MASONRY CLEANERS & SEALERS,
B. BRICK SEALER, 1

Revision: **CHANGE** “1. Sonneborn White Roc 10 Plus water-repellent.”

 TO “1. **Sherwin Williams: Loxon 7% Siloxane Water Repellant A10T00007**”

2. SECTION 08 80 00 – GLAZING, GLASS & GLAZING TYPES, C
Revision: **CHANGE** “C. Interior glass shall be 1/4" thick laminated Safety glass, clear, with .030 plastic interlayer.”

TO “C. Interior glass shall be 1/4" thick **tempered** Safety glass, clear.”

DRAWINGS

1. BA1.1R1 FLOOR PLAN – LEVEL 1 NORTH
Revision: **SEE ATTACHED**
Revised wall furring
Added casework in Meeting 102

2. BA1.2R1 COUNSELING CENTER FLOOR PLAN
Revision: **SEE ATTACHED**
Revised wall location
Enlarged rooms 133, 134 and 135

3. BA2.1R1 COUNSELING CENTER ENLARGED FLOOR PLAN
Revision: **SEE ATTACHED**
Revised wall location
Enlarged rooms 133, 134 and 135

4. BA3.1R1 COUNSELING CENTER REFLECTED CEILING PLAN
Revision: **SEE ATTACHED**
Revised wall location
Enlarged rooms 133, 134 and 135
Room 113 and 114 ceiling heights

5. BA8.1R1 FINISH PLAN & MATERIAL SCHEDULE
Revision: **REPLACE** BA8.1 FINISH PLAN & MATERIAL SCHEDULE
WITH BA8.1R1 FINISH PLAN & MATERIAL SCHEDULE
Miscellaneous corrections to room finishes
No flooring in Parish Hall 110
Counseling Center layout changes

6. MECHANICAL SHEETS - Revised Mechanical Systems
Revision: **REPLACE** BM2.1 HVAC FLOOR PLAN – LEVEL 1
WITH BM2.1R1 HVAC FLOOR PLAN – LEVEL 1

REPLACE BM2.2 HVAC FLOOR PLAN – LEVEL 1
WITH BM2.2R1 HVAC FLOOR PLAN – LEVEL 1

REPLACE BM2.3 HVAC FLOOR PLAN – LEVEL 2
WITH BM2.3R1 HVAC FLOOR PLAN – LEVEL 2

REPLACE BM2.4 HVAC ROOF PLAN
WITH BM2.4R1 HVAC ROOF PLAN

REPLACE	BM2.5	1/4" SCALE MECH. ROOMS, SYMBOLS, ABBRV. & GENERAL NOTES
WITH	BM2.5R1	1/4" SCALE MECH. ROOMS, SYMBOLS, ABBRV. & GENERAL NOTES
REPLACE	BM3.1	HVAC SCHEDULES
WITH	BM3.1R2	HVAC SCHEDULES

Attachments:

1. RFI 3	1 page
2. RFI 5	1 page
3. RFI 6	2 page
4. BA1.1R1 FLOOR PLAN – LEVEL 1 NORTH	1 page
5. BA1.2R1 COUNSELING CENTER FLOOR PLAN	1 page
6. BA2.1R1 COUNSELING CENTER ENLARGED FLOOR PLAN	1 page
7. BA3.1R1 COUNSELING CENTER REFLECTED CEILING PLAN	1 page
8. BA8.1R1 FINISH PLAN & MATERIAL SCHEDULE	1 page
9. BM2.1R1 HVAC FLOOR PLAN – LEVEL 1	1 page
10. BM2.2R1 HVAC FLOOR PLAN – LEVEL 1	1 page
11. BM2.3R1 HVAC FLOOR PLAN – LEVEL 2	1 page
12. BM2.4R1 HVAC ROOF PLAN	1 page
13. BM2.5R1 1/4" SCALE MECH. ROOMS, SYMBOLS, ABBRV. & GENERAL NOTES	1 page
14. BM3.1R2 HVAC SCHEDULES	1 page

End of Addendum

RFI 3

1. Toilet 133 – do all walls receive ceramic tile? Is the tile full height?
RMA: Yes, all walls receive tile. Tile to extend 4'-0" A.F.F., use Schulter Rondec-db at perimeter (horz. & vert.) and outside corners

2. Unisex 108 - do all walls receive ceramic tile? Is the tile full height?
RMA: Yes, all walls receive tile. Tile to extend 4'-0" A.F.F., use Schulter Rondec-db at perimeter (horz. & vert.) and outside corners

3. Kitchen 114 – is the FRP full wall height?
RMA: FRP1 to extend from tile base to ceiling. Ceiling height to be addressed in a future Addendum

4. Kitchen 114 has a closet. Is the finish of the walls in this closet FRP? What is the height?
RMA: Closet 116 to receive FRP1 from base to ceiling. Ceiling height to be addressed in a future Addendum

5. On the Finish Plan and Material Schedule – what is PNT? Several rooms have this notation. Reference Specification Sections 087100 and 084000
RMA: P1 - 105, 112, 115, 139, 125, 132, 136,
P1/P3 - 137, 138
P3 - 113

6. Can Falcon brand hardware be used for the exit devices related to the Storefront Doors?
RMA: Yes

7. To be sure that Hardware Set No. 1 is bid by a vendor, please move that hardware set from Section 087100 to Section 084000 and note that the storefront subcontractor is responsible for providing and installing this hardware set.
RMA: The storefront contractor can provide the hardware for the storefront doors. This will be addressed in a future Addendum.



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: 005

DATE OF ISSUANCE: 4-27-16

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. Plumbing - Please define what LAV-3 is in the Kitchen.
2. Plumbing – Please define what DB-1 is in the Kitchen.
3. Tile-We have been informed that the Atlas Concorde Solution Tile Sign – Pearl 18x18 is a discontinued product. Please advise.

ATTACHMENTS:

ISSUED BY:

Sharon Rose Fisher - Estimator
Lauger Companies, Inc.
LAV-3 shall be same as LAV-2 except faucet shall be Moen 8430 Single Handle manual faucet.
DB-1 shall be a Sioux Chief 696-6 Ox Box drain box or similar.

RESPONSE:

ATTACHMENTS:

1. LAV-3 shall be same as LAV-2 except faucet shall be Moen 8430 Single Handle manual faucet.
2. DB-1 shall be a Sioux Chief 696-6 Ox Box drain box or similar.
3. Use 12"x24" in lieu of the 18"x18"

Issued By:

Authorized Signature

PATRICK OHRT

Printed Name / Title

04.29.16

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: 006

DATE OF ISSUANCE: 4-28-16

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. Casework-What are the countertops in Restrooms 106 and 107 to be made of? Plam, solid surface, etc.?
2. Casework-Do any cabinets in rooms 113 and 114 require locks? If so, please define locations.
3. Electrical-is it acceptable to use tie wire, tied to the structure above, on two corners of the light fixtures? The specifications do not clearly define what is to take place.

ATTACHMENTS:

ISSUED BY:

Sharon Rose Fisher -Estimator
Lauger Companies, Inc.

RESPONSE:

ATTACHMENTS:

Issued By:

Authorized Signature

PATRICK OHRT

Printed Name / Title

04.29.16

Date Issued

END OF DOCUMENT

RFI 6

1. Casework-What are the countertops in Restrooms 106 and 107 to be made of? Plam, solid surface, etc.?

RMA: Refer to H1/BA9.1 for Restroom 106 and 107 counter tops. Counter tops to be 2-layers 3/4" plywood with PL2 plastic laminate finish.

2. Casework-Do any cabinets in rooms 113 and 114 require locks? If so, please define locations.

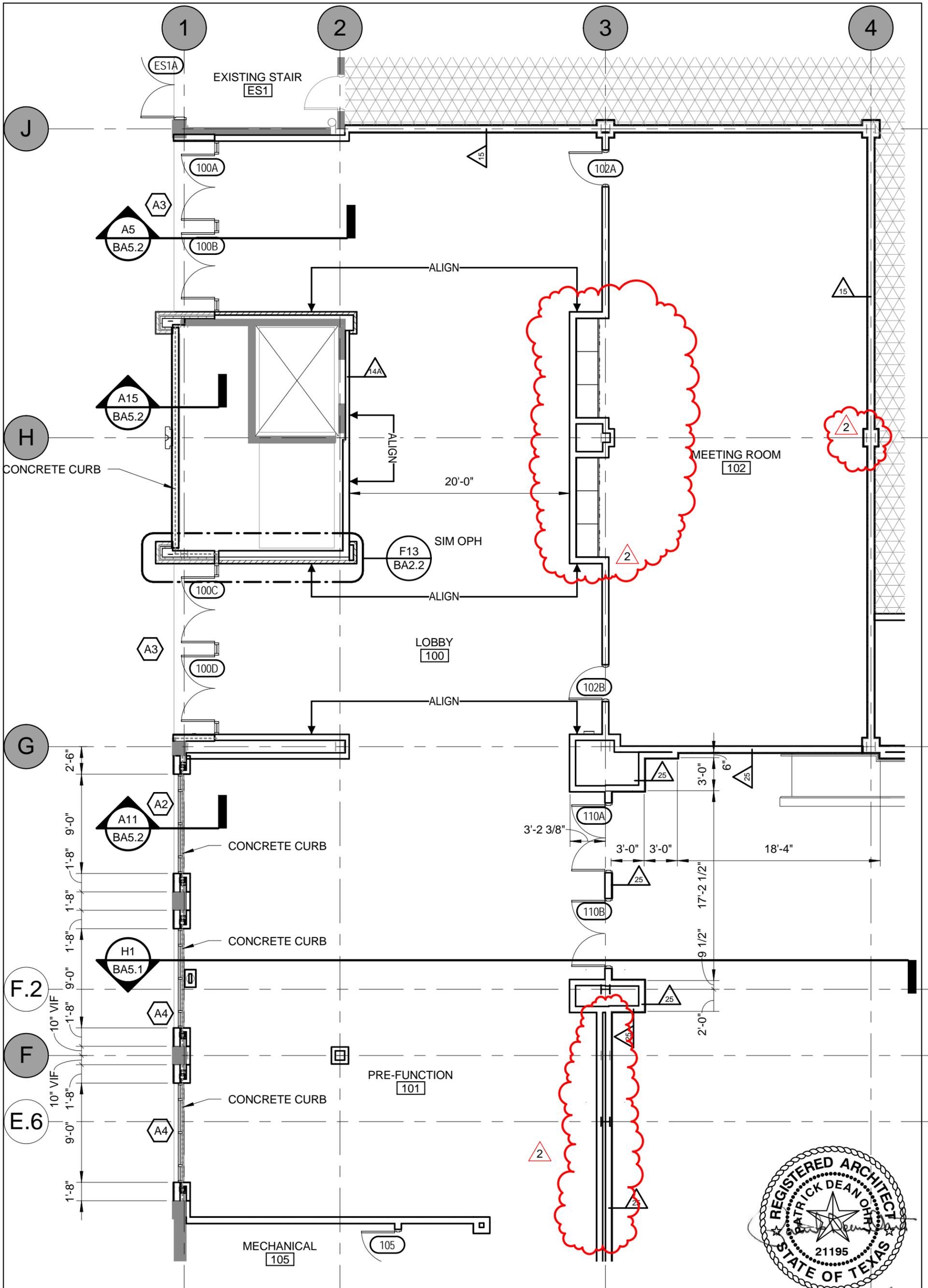
RMA: No locks are required.

3. Electrical-is it acceptable to use tie wire, tied to the structure above, on two corners of the light fixtures ? The specifications do not clearly define what is to take place.

RMA: Please refer to BE2.2 Lighting Fixture Schedule for the following:

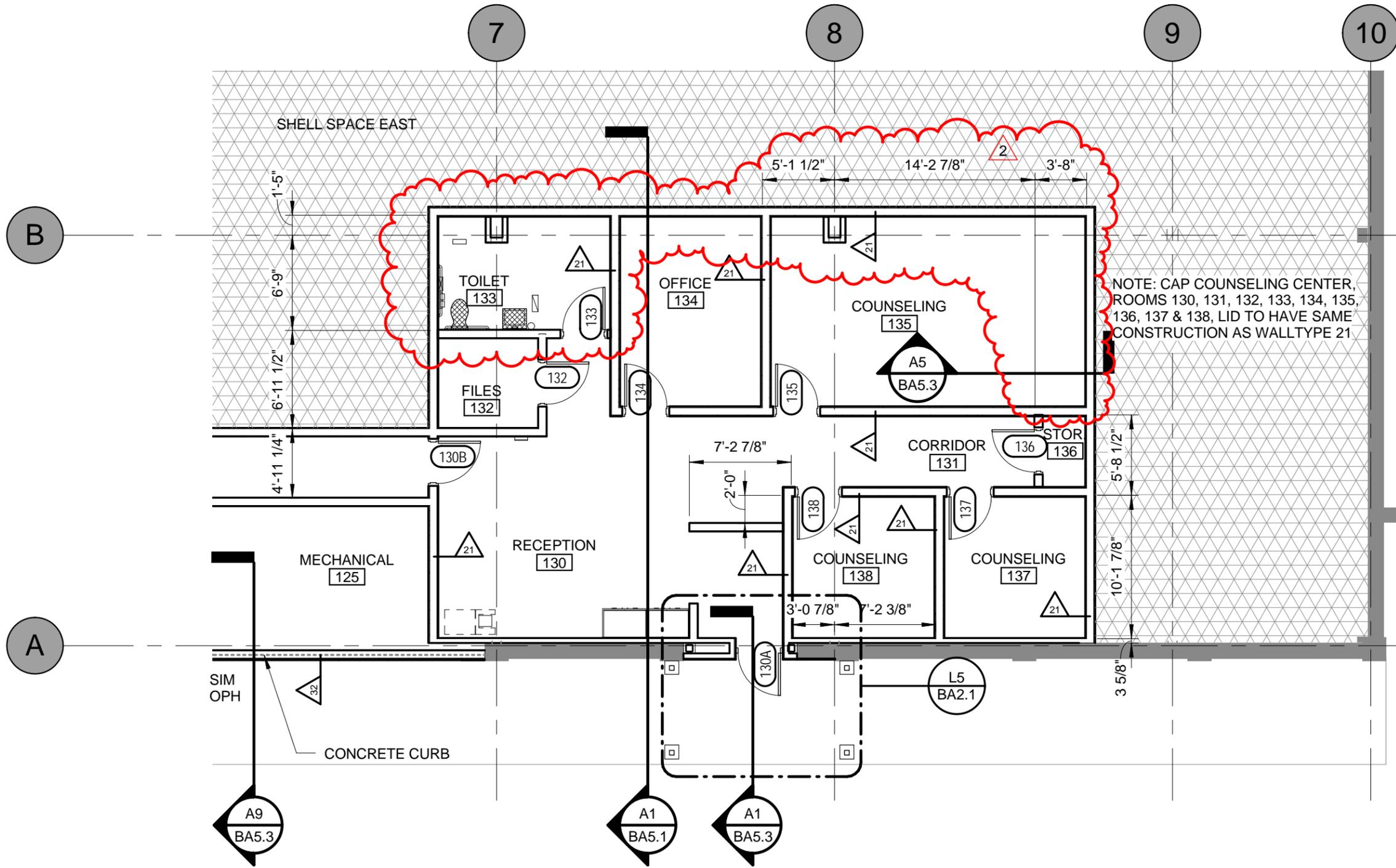
Delete the Remarks for lighting fixture type "K" and insert the following in lieu thereof:

"SUSPEND WITH BOTTOM OF FIXTURE LEVEL WITH BOTTOM OF CEILING. SUSPEND FIXTURE FROM ROOF STRUCTURE. PROVIDE CHANNEL STRUT ATTACHED TO BOTTOM OF STRUCTURE FOR SUSPENSION. FIXTURE SHALL BE SUSPENDED IN OPENING WHERE CEILING TILE IS NOT INSTALLED. PROVIDE WITH AIR CRAFT CABLE V-HANGERS, SO CORD, WIREGUARD, AND nLIGHT ENABLED."



PARISH HALL
Our Lady of Victory Catholic Church - Diocese of Victoria

 RMA Rawley McCoy & Associates, PLLC ARCHITECTS AND INTERIOR DESIGNERS	SHEET TITLE:	FLOOR PLAN - LEVEL 1 NORTH	REVISION TYPE:	ADDENDUM 2
	DATE:	04/29/16	SHEET NO.:	BA1.1R1
	SCALE:	1/8" = 1'-0"	PROJECT #:	716-0114B



NOTE: CAP COUNSELING CENTER, ROOMS 130, 131, 132, 133, 134, 135, 136, 137 & 138, LID TO HAVE SAME CONSTRUCTION AS WALLTYPE 21



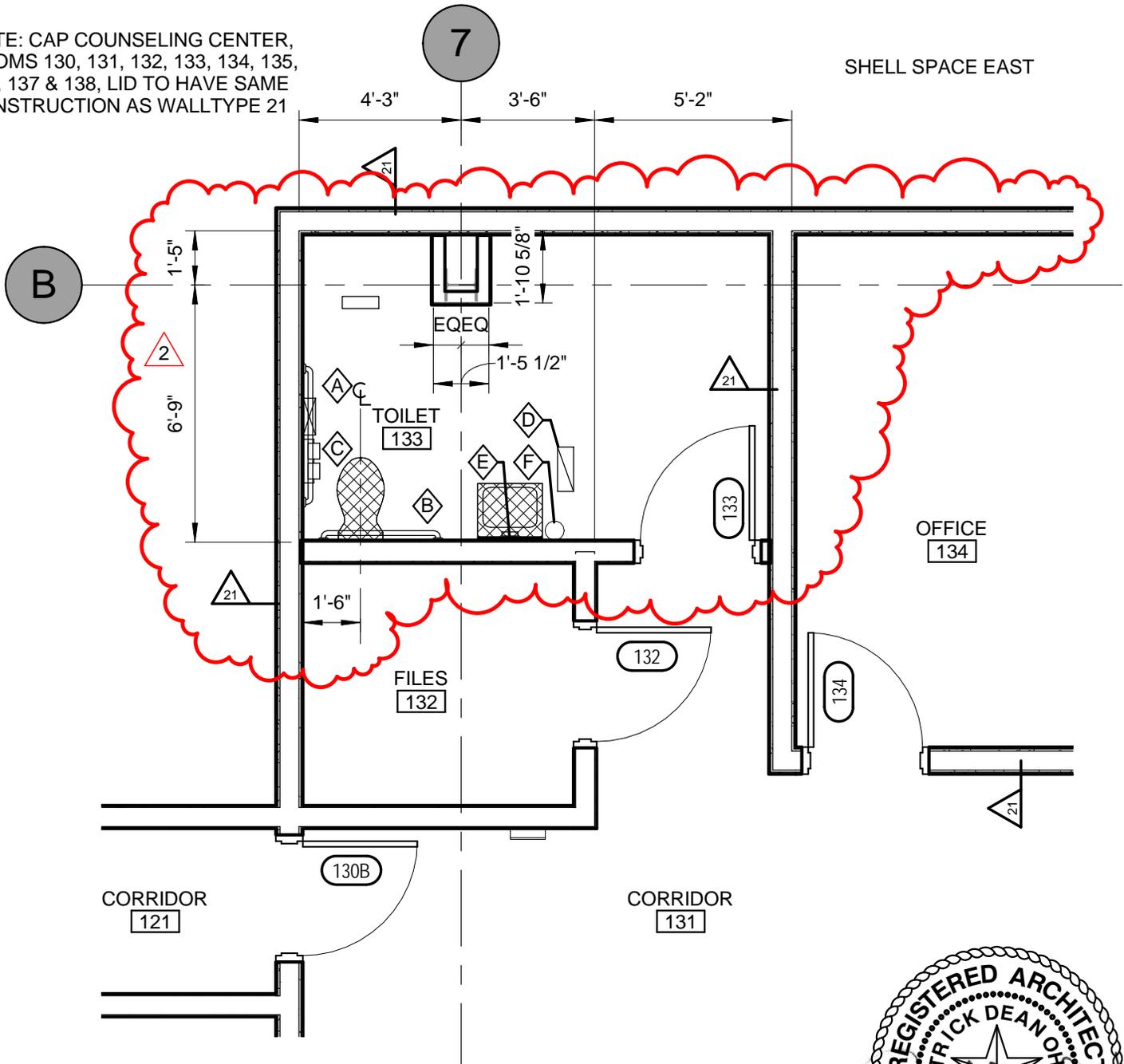
PARISH HALL
Our Lady of Victory Catholic Church - Diocese of Victoria



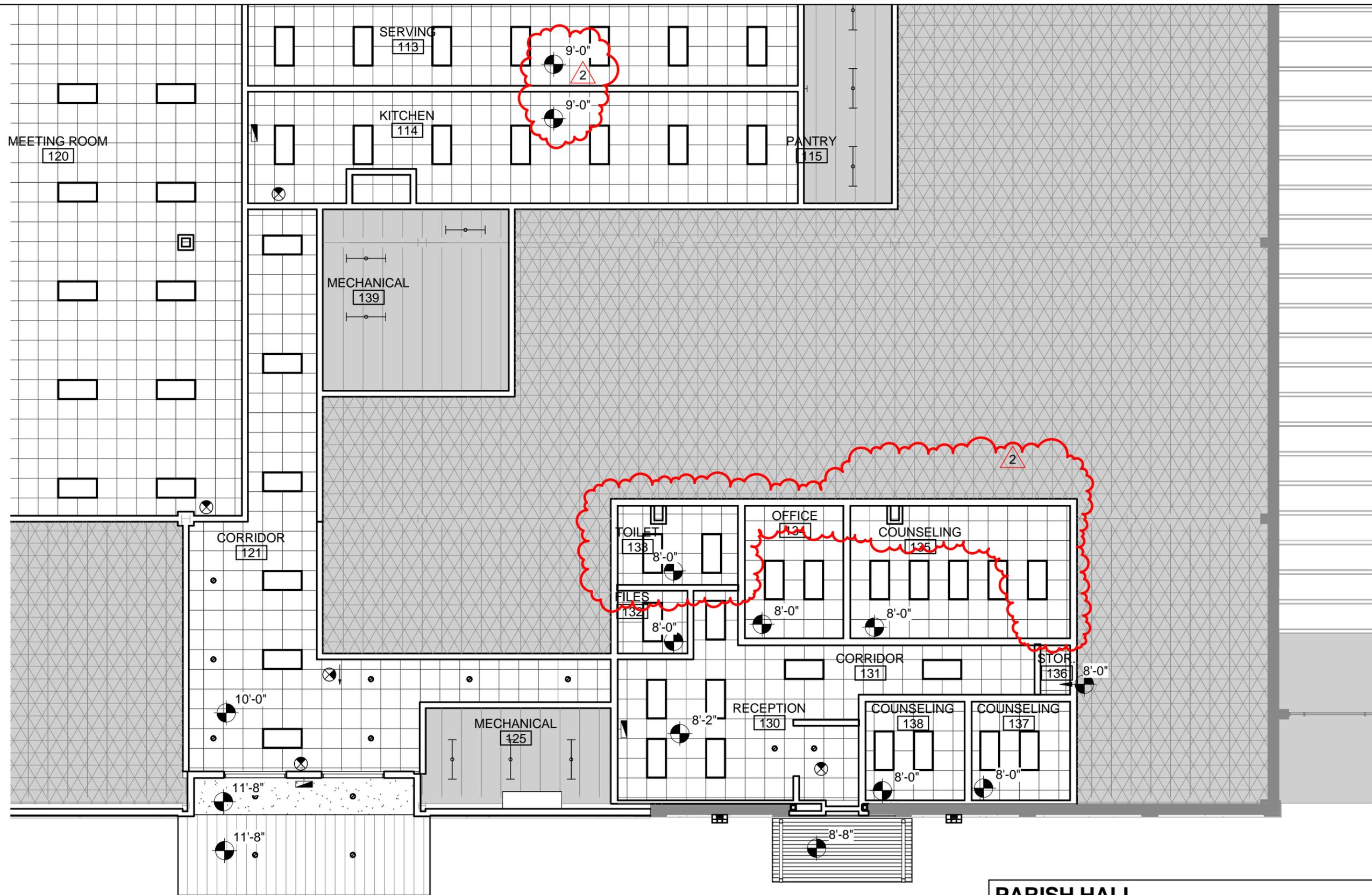
SHEET TITLE:	COUNSELING CENTER FLOOR PLAN	REVISION TYPE:	ADDENDUM 2
DATE:	04/29/16	SHEET NO.:	BA1.2R1
SCALE:	1/8" = 1'-0"	PROJECT #:	716-0114B

NOTE: CAP COUNSELING CENTER,
 ROOMS 130, 131, 132, 133, 134, 135,
 136, 137 & 138, LID TO HAVE SAME
 CONSTRUCTION AS WALLTYPE 21

SHELL SPACE EAST



<p>PARISH HALL Our Lady of Victory Catholic Church - Diocese of Victoria</p>		
 Rawley McCoy & Associates, PLLC ARCHITECTS AND INTERIOR DESIGNERS	SHEET TITLE: COUNSELING CENTER ENLARGED PLAN	REVISION TYPE: ADDENDUM 2
	DATE: 04/29/16	SHEET NO: BA2.1R1
	SCALE: 1/4" = 1'-0"	
	PROJECT #: 716-0114B	



PARISH HALL		Our Lady of Victory Catholic Church - Diocese of Victoria	
 Rawley McCoy & Associates, PLLC ARCHITECTS AND INTERIOR DESIGNERS	SHEET TITLE:	COUNSELING CENTER RCP	
	DATE:	04/29/16	REVISION TYPE:
	SCALE:	1" = 10'-0"	SHEET NO:
	PROJECT #:	716-0114B	BA3.1R1
		ADDENDUM 2	

MATERIAL SCHEDULE						
MATERIAL	MARK	MANUFACTURER	STYLE	MFR. NO.	COLOR	LOCATION
ACOUSTIC PANEL CEILING	APC1	ARMSTRONG, 24x24	SCHOOL ZONE FINE FISSURED	465	WHITE	-
ACOUSTIC PANEL CEILING	APC2	ARMSTRONG, 24x24 HOLD DOWN CLIPS	SCHOOL ZONE FINE FISSURED	465	WHITE	PARISH HALL
ACOUSTIC PANEL CEILING	APC3	ARMSTRONG, 24x24	SHASTA - VINYL FACED	2904	WHITE	KITCHEN
ACOUSTIC WALL PANEL	AWP1	TECTUM	-	-	PAINTED 'P2'	PARISH HALL
ALUMINUM STOREFRONT	AL1	KAWNEER	TRIFAB	VG 451T	BRONZE	-
BRICK	BK1	IACME	KING	-	STANDARD	-
CERAMIC BASE	CB1	AMERICAN OLEAN	QUARRY COVE BASE	-	FAWN GRAY	KITCHEN
CERAMIC FLOOR TILE	CF1	ATLAS CONCORDE SOLUTION	SIGN 12"x24"	-	PEARL	RESTROOMS
CERAMIC FLOOR TILE	CF2	AMERICAN OLEAN	QUARRY 6"x6"	-	FAWN GRAY	KITCHEN
CERAMIC FLOOR TILE	CF3	ATLAS CONCORDE SOLUTION	QUARRY 6"x6"	-	PEARL	EXTERIOR
CERAMIC WALL TILE	CT1	ATLAS CONCORDE SOLUTION	SIGN 12"x24"	-	PEARL	RESTROOMS
FIBER REINFORCED PANEL	FRP1	NUDO	SMOOTH	LP-S9	PEARL	KITCHEN
GLASS	GL-1	PPG	SINGLE PANE SAFETY GLASS	-	CLEAR	INTERIOR GLAZING
GLASS	GL-2	PPG	SOLABAN 60	-	SOLAR BRONZE	EXTERIOR GLAZING
GROUT	GT1	LATICRETE	-	27	HEMP	RESTROOMS
GROUT	GT2	LATICRETE	-	27	BLACK	KITCHEN
LUXURY VINYL TILE	LVT1	MOHAWK	GLOBAL ENTRY-SERENO	233	PLAYA	FIELD FLOORING - PUBLIC AREAS & MEETING ROOMS
LUXURY VINYL TILE	LVT2	MOHAWK	GLOBAL ENTRY-SERENO	888	COFFEE	FIELD BORDER - PUBLIC AREA & MEETING ROOMS
LUXURY VINYL TILE	LVT3	MOHAWK	GLOBAL ENTRY-ANTIEK	931	NIMBUS	COUNSELING CENTER FLOORING
METAL SOFFIT PANEL	MS1	MBCI - ARTISAN SERIES	L12	KYNAR 500	STANDARD	CANOPY
MULTI-USE FLOORING	MF1	GERFLOR	TARAFLEX MULTI-USE 6.2	-	STANDARD	PARISH HALL
PAINT	P1	SHERWIN WILLIAMS	-	SW 6036	ANGORA	STANDARD WALL COLOR
PAINT	P2	SHERWIN WILLIAMS	-	SW 6041	OTTER	HM DOOR FRAMES, STEEL DOORS, HANDRAILS
PAINT	P3	SHERWIN WILLIAMS	-	SW 6039	POISED TAUPE	ACCENT COLOR
PLASTER	PW1	-	-	-	STANDARD	EXTERIOR
PLASTIC LAMINATE	PL1	NEVAMAR	TEXTURED WITH ARP	WK0017T	VENERABLE OLD OAK	BASE CABINETS, UPPER CABINETS
PLASTIC LAMINATE	PL2	NEVAMAR	TEXTURED WITH ARP	WZ0056T	EISKAFFE	COUNTER TOPS
PREFINISHED METAL	PM1	CECO	-	KYNAR 500	STANDARD	GUTTERS, DOWNSPOUTS, RAKES, EXTERIOR METAL TRIM, BUILDING SIGNAGE, METAL LOCKERS
PREFINISHED METAL	PM2	CECO	-	KYNAR 500	STANDARD	LOUVERS
RUBBER BASE	RB1	ROPPE	4" COVE	147	LT BROWN	-
RUBBER BASE	RB2	ROPPE	6" COVE	147	LT BROWN	PARISH HALL
TOILET PARTITION	TP1	AMPSCO	SOLID PLASTIC	-	STANDARD	-
WOOD STAIN	WS1	SHERWIN WILLIAMS	-	-	CLEAR MAPLE	WOOD DOORS, WOOD SILLS

FINISH TAG KEY

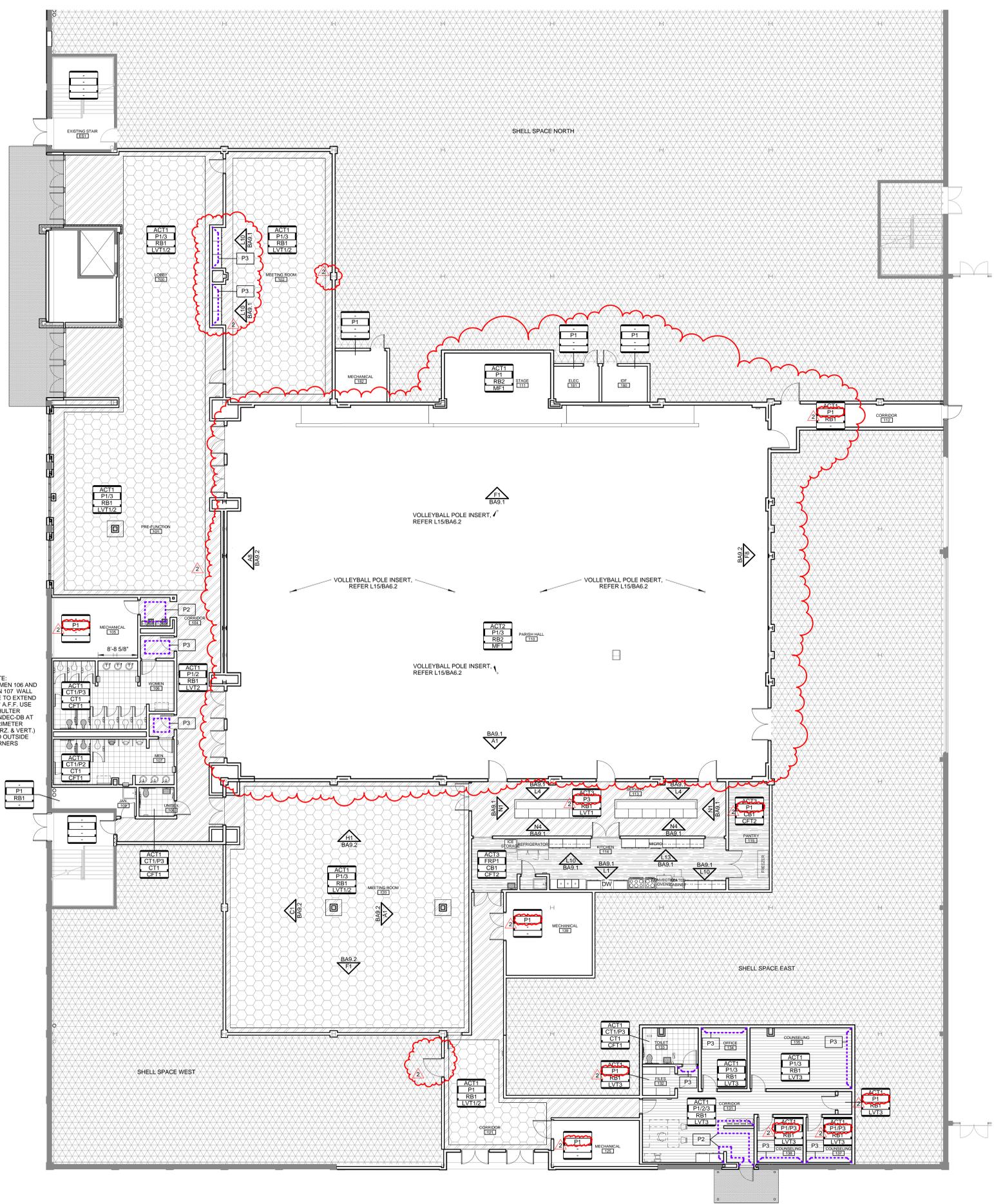
- APC2 - CEILING TYPE
- P1 - WALL FINISH, UNO
- RB1 - BASE TYPE
- VC13 - FLOOR FINISH
- ① - FINISH KEYNOTE
- P1 - MATERIAL TAG

FLOOR PATTERN LEGEND

- LVT1
- LVT2
- LVT3
- MF1
- CT1
- CT2
- CT3
- AREA OF NO ARCHITECTURAL WORK

NOTE: WOMEN 106 AND MEN 107 WALL TILE TO EXTEND 4'-0" A.F.F. USE SCHULTER RONDEC-DB AT PERIMETER (HORZ & VERT.) AND OUTSIDE CORNERS

A8 FINISH PLAN LEVEL 1 PACKAGE B NORTH
1" = 10'-0"



RMA
Rawley McCoy & Associates
ARCHITECTS AND INTERIOR DESIGNERS

Final Plans for Bidding and Construction

REGISTERED ARCHITECT
STATE OF TEXAS
21196
07-27-16

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

DATE ISSUED:
Issue Date
2 ADDENDUM 2 Date 3

B

PROJECT NUMBER:
716-0114B

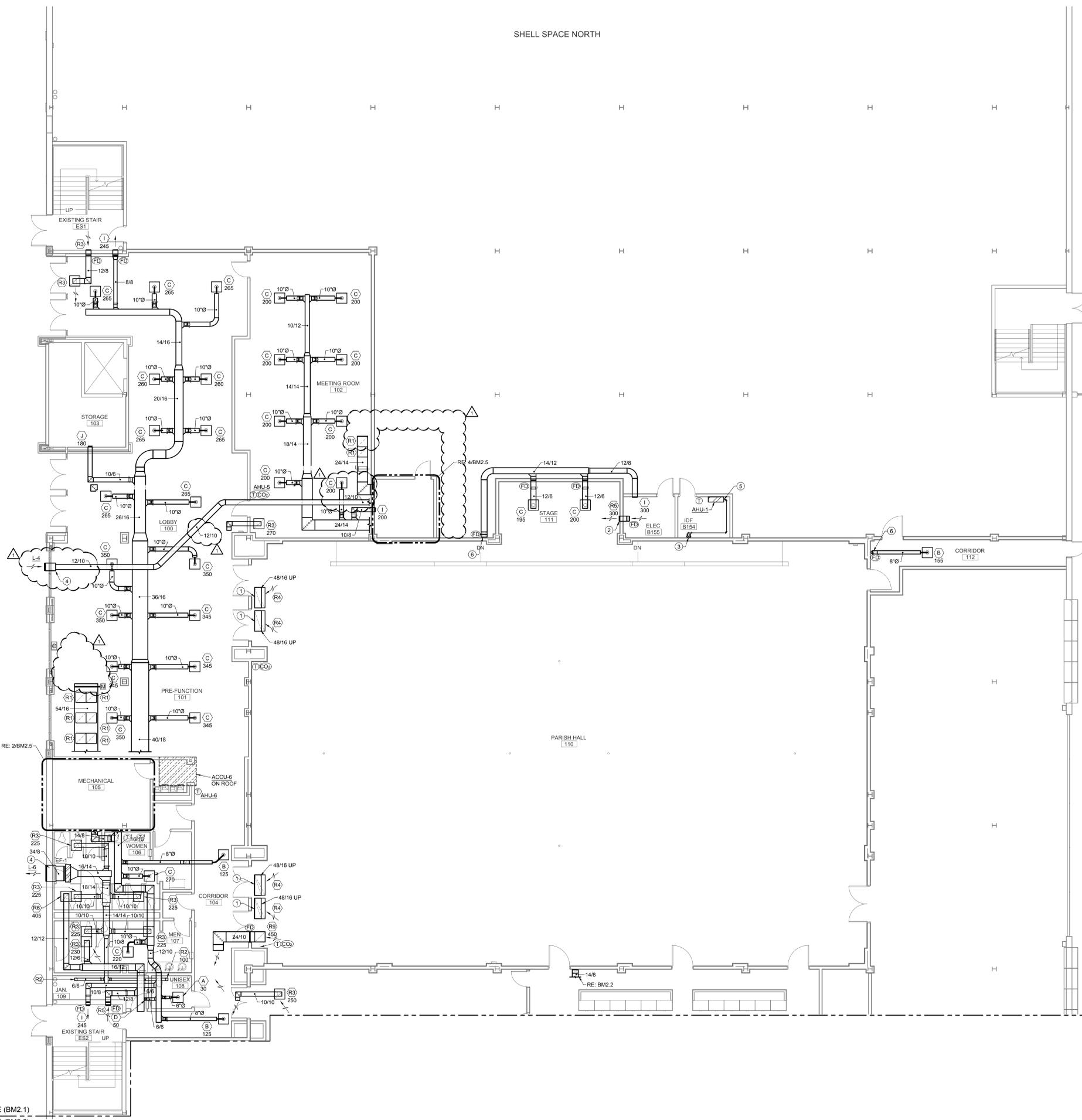
PLAN NORTH
TRUE NORTH

SHEET NAME
FINISH PLAN & MATERIAL SCHEDULE

SHEET NUMBER

BA8.1R1

SHELL SPACE NORTH



- HVAC KEYED NOTES:**
- ① TRANSITION IN RISER AND CONNECT 48"Ø RETURN AIR DUCT TO 48"X24" RETURN AIR GRILLE.
 - ② MOUNT TRANSFER GRILLE 1'-0" BELOW CEILING IN ROOM 111.
 - ③ REFRIGERANT PIPING UP TO CU-1 ON ROOF.
 - ④ OUTSIDE AIR LOUVER PLENUM SAME SIZE AS LOUVER DUCT CONNECTION BY 24" DEEP. SLOPE BOTTOM OF PLENUM TOWARDS LOUVER.
 - ⑤ HANG DUCTLESS MINISPLIT ON WALL, 7'-0" A.F.F. COORDINATE FINAL LOCATION WITH OWNER'S I.T. PERSONNEL. EXTEND 3/4" HARD DRAWN COPPER INSULATED CONDENSATE DRAIN LINE WITHIN WALL TO DRAIN BOX. REFER TO PLUMBING DRAWINGS FOR LOCATION.
 - ⑥ PROVIDE FIRE DAMPER PROTECTION AT ALL FLOOR PENETRATIONS (TYPICAL).
 - ⑦ NOT USED.

MATCHLINE (BM2.1)
MATCHLINE (BM2.2)

MATCHLINE (BM2.1)
MATCHLINE (BM2.2)

1 HVAC FLOOR PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"

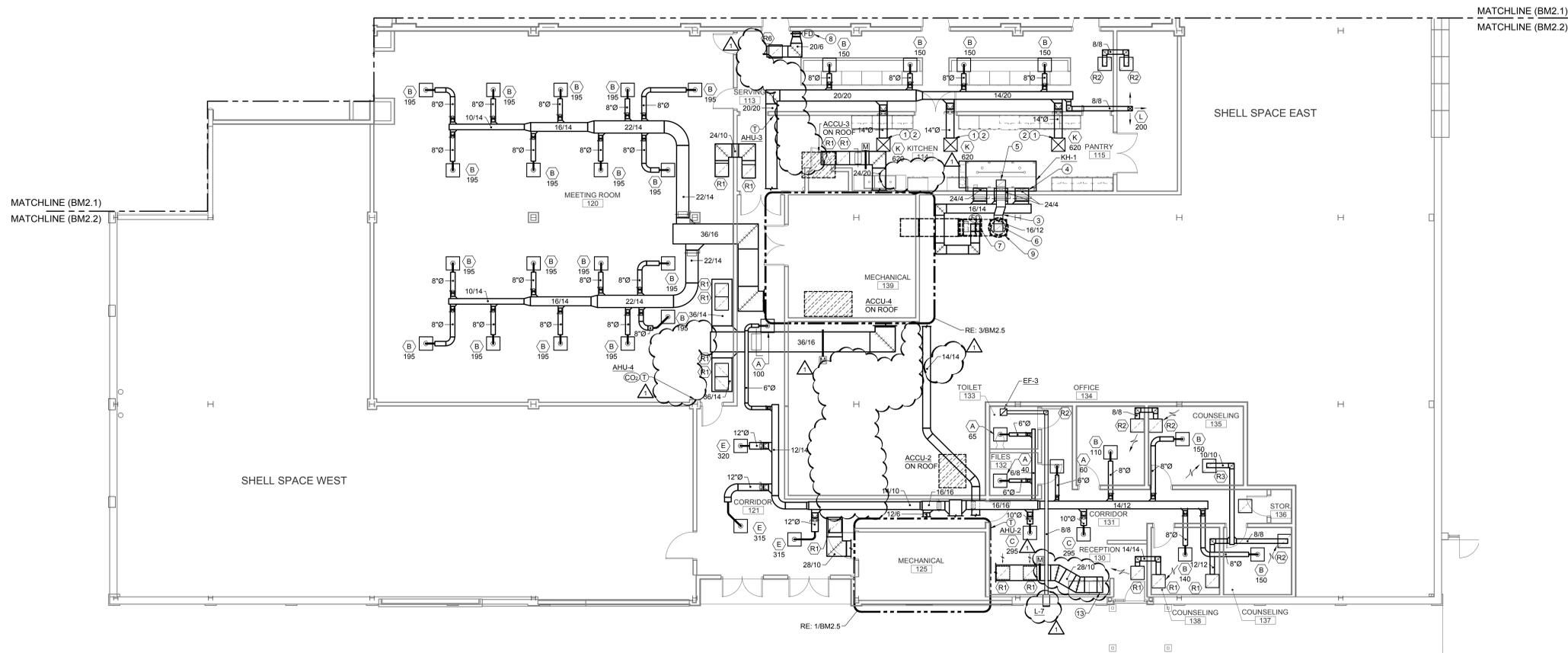
04-28-16: ADDENDUM 2





HVAC KEYED NOTES:

- ① PROVIDE A 22/22 BY 24" TALL PLENUM FOR DUCT CONNECTION TO SUPPLY AIR DEVICE.
- ② CONNECT 14"Ø SUPPLY DUCT INTO SIDE OF PLENUM.
- ③ RADIUS ELBOWS ON KITCHEN EXHAUST DUCT. PROVIDE LIQUID TIGHT ACCESS DOORS AT ALL TURN OF DIRECTION.
- ④ THREE 24"x4" SUPPLY DUCT CONNECTIONS.
- ⑤ 18"x12" EXHAUST DUCT, TRANSITION AND RISER TO HOOD DUCT CONNECTION SIZE.
- ⑥ 16"x12" EXHAUST DUCT UP THROUGH SECOND FLOOR ENCASE KITCHEN EXHAUST DUCT IN 2 HOUR ENCLOSURE FROM FINISHED 2ND FLOOR TO BOTTOM OF ROOF. COORDINATE WITH GENERAL CONTRACTOR.
- ⑦ 16"x14" SUPPLY DUCT UP TO KSF-1 ON ROOF. INSTALL FIRE DAMPER AT 2ND FLOOR DUCT PENETRATION.
- ⑧ 14/8 TRANSFER AIR DUCT UP THROUGH FLOOR TO ABOVE SECOND FLOOR CEILING. INSTALL FIRE DAMPER AT FLOOR PENETRATION.
- ⑨ COMBINATION SUPPLY / EXHAUST KITCHEN HOOD FANS ON ROOF.
- ⑩ NOT USED.
- ⑪ NOT USED.
- ⑫ NOT USED.
- ⑬ NOT USED.



1 HVAC FLOOR PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"

△ 04-28-16: ADDENDUM 2

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

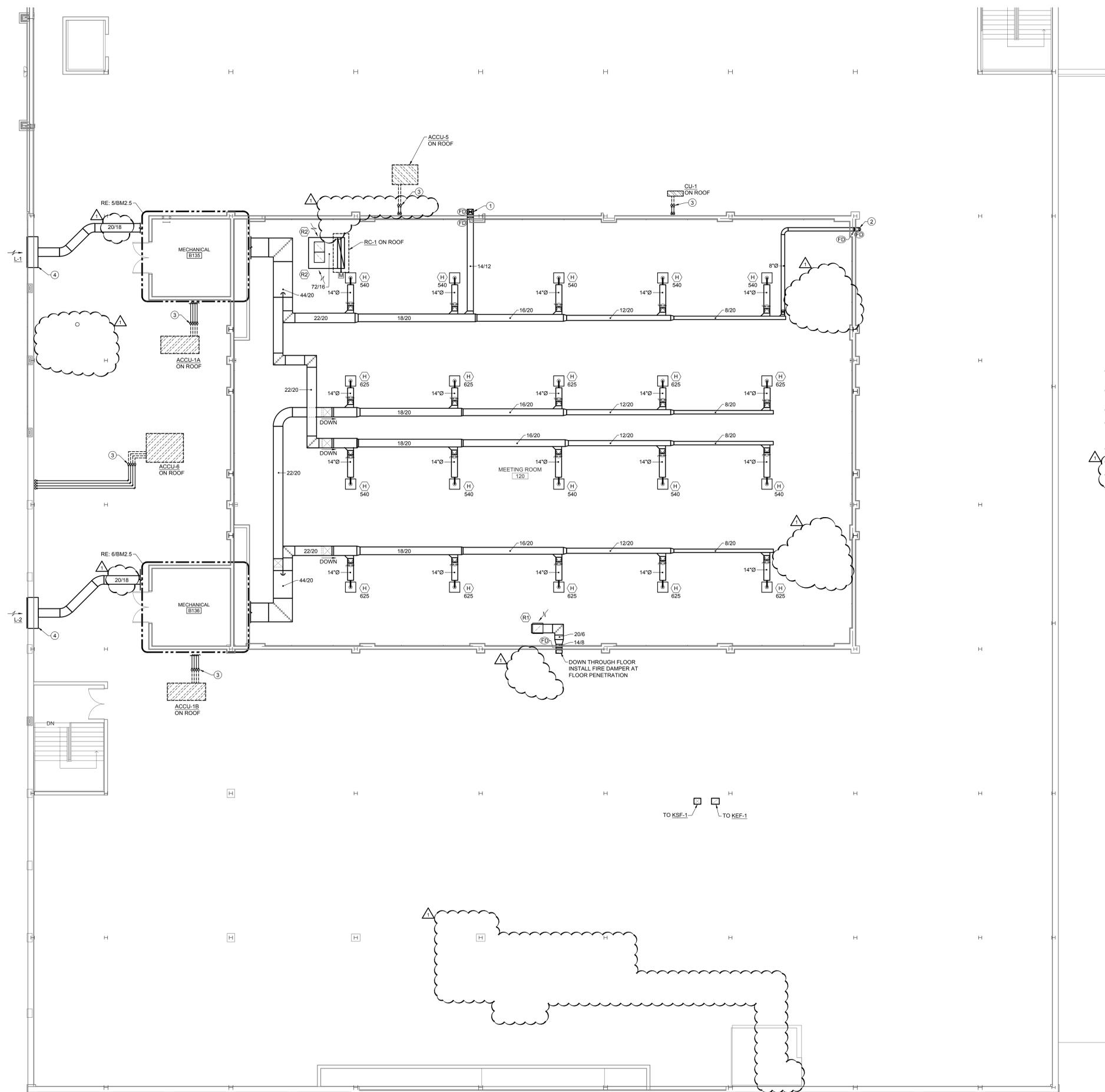
DATE ISSUED:
April 28, 2016

B

PROJECT NUMBER:
716-0114B

PLAN NORTH TRUE NORTH
SHEET NAME
HVAC FLOOR PLAN - LEVEL 1
SHEET NUMBER

BM2.2R1



- HVAC KEYED NOTES:
- ① 14/12 DOWN THROUGH FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.
 - ② 8/20 DOWN THROUGH FLOOR. PROVIDE FIRE DAMPER AT FLOOR PENETRATION.
 - ③ REFRIGERANT PIPING UP THROUGH ROOF.
 - ④ OUTSIDE AIR LOUVER PLENUM SAME SIZE AS LOUVER DUCT CONNECTION BY 24" DEEP. SLOPE BOTTOM OF PLENUM TOWARDS LOUVER.
 - ⑤ BACKDRAFT DAMPER.
 - ⑥ NOT USED.
 - ⑦ NOT USED.

1 HVAC FLOOR PLAN - LEVEL 2
 SCALE: 1/8" = 1'-0"

△ 04-28-16: APPENDUM 2



HVAC KEYED NOTES:

- ① PATE PHA, OR EQUAL PIPE CURB; INSULATE INTERIOR WITH MINIMUM R-8 RIGID INSULATION AND SEAL ALL JOISTS. CONSULT ROOFER FOR HEIGHT. (MINIMUM 8 INCHES ABOVE FINISHED ROOF.)
- ② VERIFY FINAL LENGTH OF REFRIGERANT PIPING AND COORDINATE WITH AIR COOLED CONDENSING UNIT MANUFACTURER TO DETERMINE RECOMMENDED PIPE SIZES AND WHERE DOUBLE SUCTION RISERS ARE REQUIRED.
- ③ PATE PREFABRICATED EQUIPMENT SUPPORTS (TYPICAL). CONSULT ROOFER FOR HEIGHT. SECURE CURBS TO STRUCTURE AND CONDENSING UNIT TO CURB PER LOCAL WINDSTORM REQUIREMENTS. ALL EXTERIOR FASTENERS AND ACCESSORIES SHALL BE STAINLESS STEEL.
- ④ PROVIDE ALUMINUM JACKET ON EXTERIOR INSULATION (TYPICAL).

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

DATE ISSUED:
April 28, 2016

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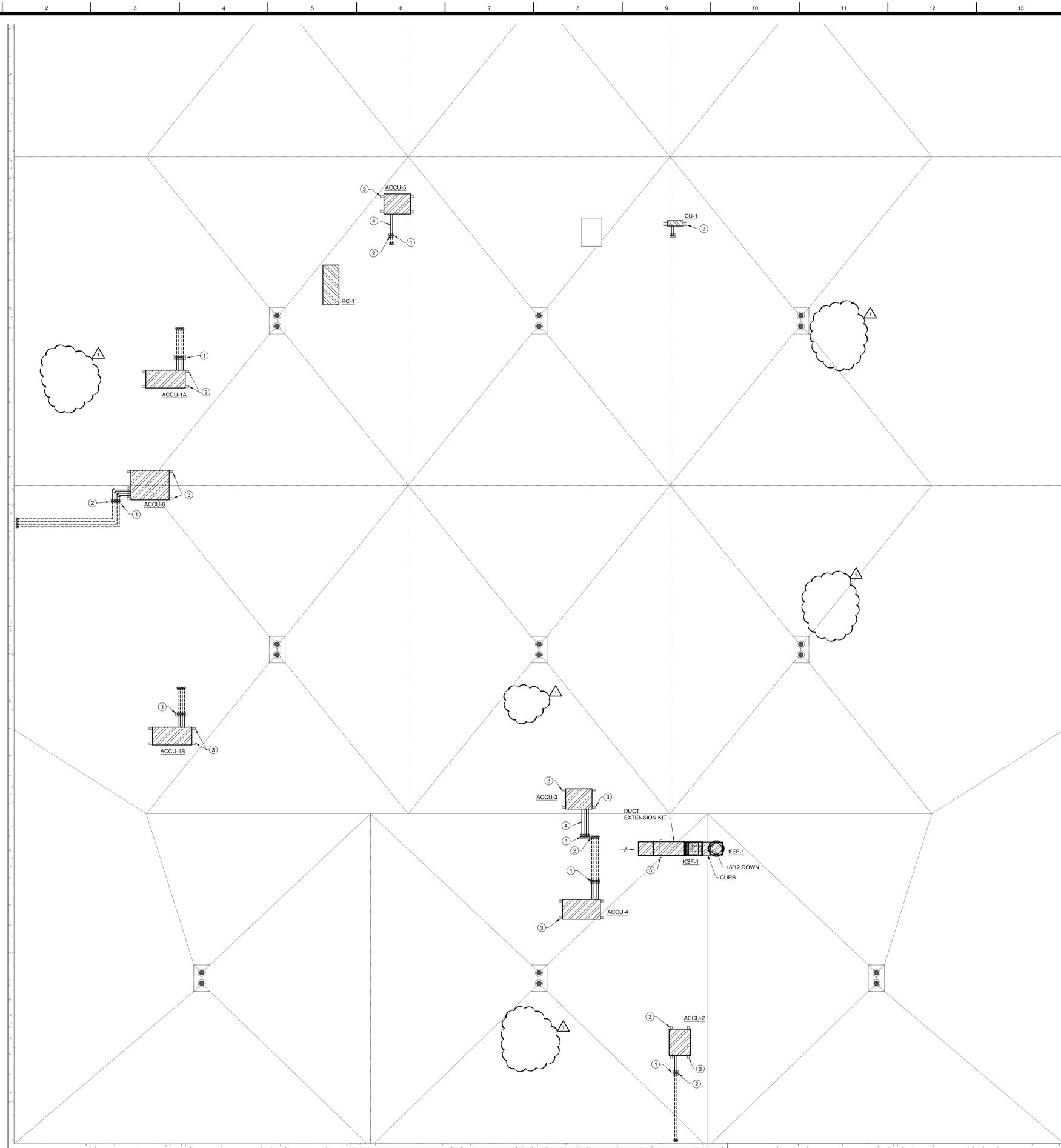
PROJECT NUMBER:
 716-0114B

PLAN NORTH TRUE NORTH

SHEET NAME
 HVAC ROOF
 PLAN

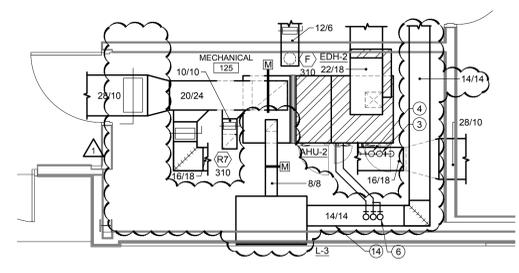
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BM2.4R1

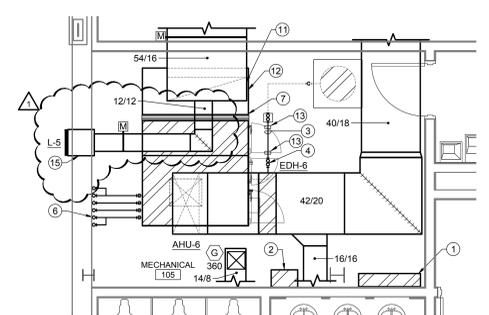


1 HVAC ROOF PLAN
 SCALE: 1/8" = 1'-0"

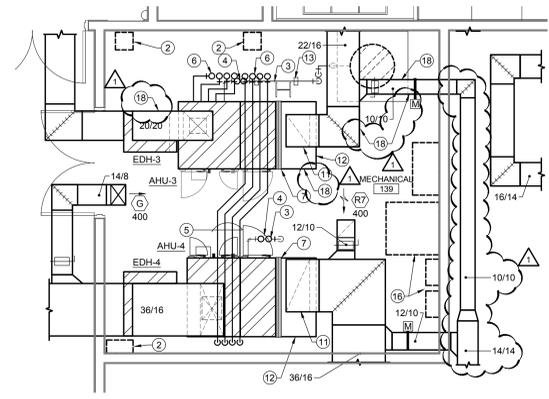
△ 04-28-16: ADDENDUM 2



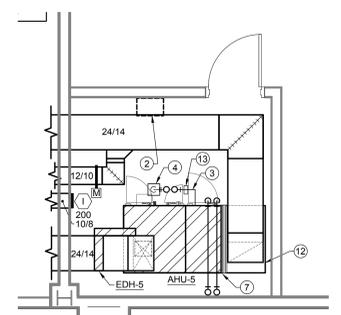
1 MECH ROOM 125
 SCALE: 1/4" = 1'-0"



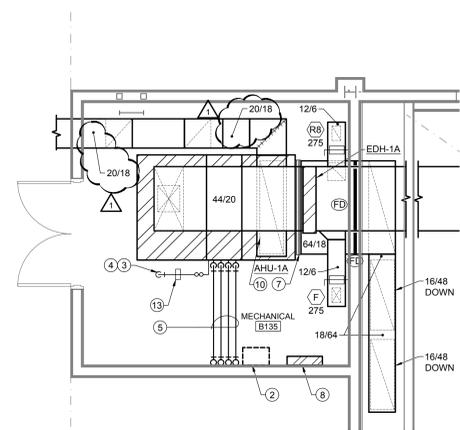
2 MECH ROOM 105
 SCALE: 1/4" = 1'-0"



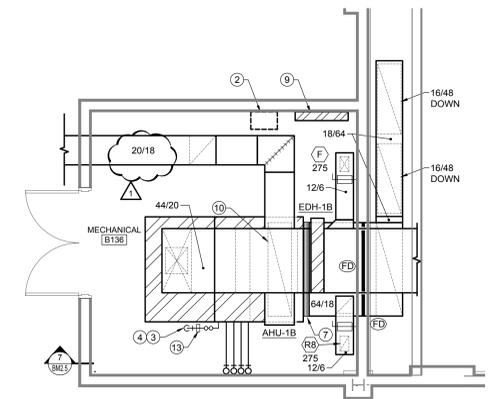
3 MECH ROOM 139
 SCALE: 1/4" = 1'-0"



4 MECH ROOM
 SCALE: 1/4" = 1'-0"

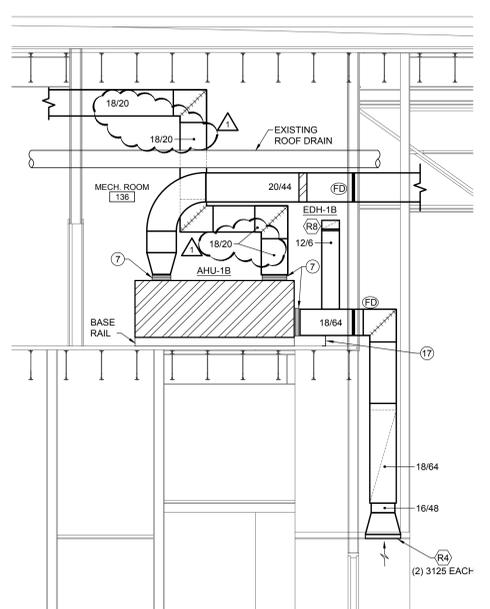


5 MECH ROOM B135
 SCALE: 1/4" = 1'-0"



6 MECH ROOM B136
 SCALE: 1/4" = 1'-0"

- HVAC KEYED NOTES:**
- SCR CONTROLLER FOR ELECTRIC DUCT HEATER EDH-6.
 - AIR HANDLING UNIT MOTOR STARTER FURNISHED BY ELECTRICAL CONTRACTOR.
 - INSULATED COPPER CONDENSATE DRAIN SAME SIZE AS DRAIN CONNECTION ON AIR HANDLING UNIT.
 - PROVIDE TRAP AND AIR BREAK, EXTEND TO FLOOR DRAIN.
 - REFRIGERANT PIPING, PROVIDE HANGERS FOUR FEET ON CENTER AND EACH CHANGE IN DIRECTION (TYPICAL).
 - REFRIGERANT PIPING UP THROUGH FLOOR, PROVIDE SCHEDULE 40 PVC SLEEVES THROUGH PENETRATIONS, SEAL PENETRATION AND INTERIOR OF PIPE SLEEVE (TYPICAL).
 - FLEXIBLE DUCT CONNECTION.
 - SCR CONTROLLER FOR ELECTRIC DUCT HEATER EDH-1A.
 - SCR CONTROLLER FOR ELECTRIC DUCT HEATER EDH-1B.
 - 64/16 DUCT UP FROM MIXING BOX, CONNECT TO 24/16 OUTSIDE AIR DUCT.
 - INSTALL OPPOSED BLADE DAMPER IN RETURN AIR DUCT RISER.
 - RETURN AIR PLENUM SAME SIZE AS AIR HANDLING UNIT RETURN OPENING.
 - MIRO INDUSTRIES, OR EQUAL, ADJUSTABLE PIPE SUPPORTS (TYPICAL).
 - PLENUM SAME SIZE AS LOUVER DUCT CONNECTION SIZE BY 24" DEEP (L-3 46" DEEP), SLOPE BOTTOM OF DUCT TOWARDS LOUVER.
 - PLENUM SAME SIZE AS LOUVER DUCT CONNECTION SIZE BY 36" DEEP, SLOPE BOTTOM OF DUCT TOWARDS LOUVER.
 - ELECTRICAL EQUIPMENT LOCATION, COORDINATE WITH ELECTRICAL CONTRACTOR, PROVIDE DRAIN PAN PROTECTION UNDER ANY DUCT CROSSING OVER ELECTRICAL EQUIPMENT.
 - 18 GAUGE GALVANIZED CHANNEL DUCT SUPPORT.
 - ALL KITCHEN DUCT TO BE EXTERNALLY INSULATED.



7 SECTION
 SCALE: 1/4" = 1'-0"

SYMBOLS AND ABBREVIATIONS

	DUCT SIZE, (FIRST OR TOP NO. INDICATES SIDE FACING VIEWER)		ECCENTRIC REDUCER
	SUPPLY DUCT UP		CONCENTRIC REDUCER
	SUPPLY DUCT DOWN		TEE UP, TEE DOWN
	RETURN, EXHAUST, OR O/A DUCT UP		ELBOW UP, ELBOW DOWN
	RETURN, EXHAUST, OR O/A DUCT DOWN		UNION
	FLEXIBLE DUCT CONNECTION		STRAINER WITH BLOW-OFF
	RECTANGULAR DUCT ELBOW WITH TURNING VANES		THERMOMETER WITH WELL
	MANUAL MULTI-LEAF VOLUME DAMPER WITH LOCKING QUADRANT		THERMOMETER WELL ONLY
	FIRE DAMPER WITH FUSIBLE LINK - REFER TO SCHEDULE FOR DESCRIPTION		PRESSURE GAUGE WITH COCK
	DUCT RISE IN DIRECTION OF AIR FLOW		GAUGE COCK ONLY
	SLOPED DUCT DROP IN DIRECTION OF AIR FLOW		VENTURI FLOW TUBE
	DUCT ACCESS PANEL		A.A.V. AUTOMATIC AIR VENT
	FIRE/ SMOKE DAMPER		AD ACCESS DOOR
	MOTORIZED DAMPER		AF AIR FOIL
	AIRFLOW METER		AHU AIR HANDLING UNIT
	AIR DEVICE DESIGNATION AND AIR FLOW (CFM)		BPV BY-PASS VALVE
	DEWPOINT SENSOR (SUBSCRIPT IDENTIFIES ZONE)		CCW COUNTER CLOCKWISE
	THERMOSTAT (SUBSCRIPT IDENTIFIES ZONE)		CW CLOCKWISE
	TEMPERATURE SENSOR (SUBSCRIPT IDENTIFIES ZONE)		CV CONSTANT VOLUME
	CARBON DIOXIDE SENSOR		E.D.H. ELECTRIC DUCT HEATER
	CHR CHILLED WATER RETURN PIPING		ERTU EXISTING ROOFTOP AIR HANDLING UNIT
	CHS CHILLED WATER SUPPLY PIPING		EFC EXISTING FAN COIL
	CW COLD WATER (MAKE-UP) PIPING		EF EXHAUST FAN
	CWR CONDENSER WATER RETURN PIPING		EEF EXISTING EXHAUST FAN
	CWS CONDENSER WATER SUPPLY PIPING		ESF EXISTING SUPPLY FAN
	D DRAIN PIPING		FC/FCU FAN COIL / FAN COIL UNIT
	G GATE VALVE		HWS HOT WATER SUPPLY
	BV BALL VALVE		HWR HOT WATER RETURN
	BTFLY BUTTERFLY VALVE		IAQ INDOOR AIR QUALITY
	CONTROL VALVE, TWO WAY		IV ISOLATION VALVE
	CONTROL VALVE, THREE WAY		LH LEFT HAND FAN ORIENTATION
	CV CHECK VALVE		OA OUTSIDE AIR
	PRV PRESSURE-RELIEF VALVE		RH RIGHT HAND FAN ORIENTATION
	AAV AUTOMATIC AIR VENT		RTU ROOFTOP AIR HANDLING UNIT
			SF SUPPLY FAN
			SS STAINLESS STEEL
			UBF UPBLAST FRONT
			UBR UPBLAST REAR
			UV UNIT VENTILATOR
			VAV VARIABLE AIR VOLUME
			VFD VARIABLE FREQUENCY DRIVE
			WP WEATHERPROOF

* THIS IS A GENERAL LEGEND. ALL SYMBOLS AND ABBREVIATIONS MAY NOT APPLY TO THIS PROJECT.

HVAC GENERAL NOTES

- THESE GENERAL NOTES APPLY TO ALL HVAC DRAWINGS.
- DUCT SIZES ARE INSIDE CLEAR DIMENSIONS. ADJUST AS NECESSARY TO ALLOW FOR LINER.
- PROVIDE SHEET METAL SHOP DRAWINGS FOR REQUIRED DUCT CONNECTIONS AND TRANSITIONS TO EQUIPMENT PRIOR TO FABRICATION. FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS AND REQUIRED MECHANICAL CLEARANCES FOR NEW HVAC EQUIPMENT.
- PROVIDE FLEXIBLE CONNECTION AT DUCT ATTACHMENTS TO AHU'S AND EF'S
- HVAC EQUIPMENT SUBMITTED OTHER THAN SCHEDULED MANUFACTURER'S SHALL NOT EXCEED PHYSICAL DIMENSIONS DUE TO SPACE LIMITATIONS.
- ALL PIPING AND DUCTWORK PENETRATIONS OF FIRE-RATED BARRIERS SHALL BE PROTECTED WITH FIRE BLOCKING MATERIAL PER SPECIFICATIONS.
- MANUAL VOLUME DAMPERS INSTALLED IN RECTANGULAR DUCTWORK SHALL BE OPPOSED BLADE TYPE. MANUAL VOLUME DAMPERS INSTALLED IN ROUND DUCTWORK SHALL BE BUTTERFLY TYPE.
- BALANCING DAMPERS IN EXTERNALLY INSULATED DUCTWORK SHALL BE PROVIDED WITH A BUILD-OUT ON DAMPER OPERATOR TO EXTEND OPERATOR HANDLE TO OUTSIDE OF INSULATION
- CONCEALED DUCTWORK TO HAVE OPERABLE QUADRANTS ON BALANCING DAMPERS.
- PROVIDE ACCESS TO ALL CONTROL, MOTORIZED, BALANCING OR FIRE DAMPERS.
- PROVIDE ACCESS DOORS IN DUCTS AND CEILINGS WHERE NECESSARY.
- TEMPERATURE CONTROL CABLING MAY BE RUN EXPOSED ONLY ABOVE ACCESSIBLE CEILINGS. ALL CABLING INSTALLED IN WALLS AND BELOW CEILINGS IN UNFINISHED SPACES MUST BE INSTALLED IN RIGID CONDUIT. REFER TO SPECIFICATIONS.
- TEMPERATURE CONTROL CABLING ABOVE CEILINGS SHALL BE NEATLY BUNDLED AND SECURELY SUPPORTED TO THE BUILDING ROOF STRUCTURE. ALL SUCH CABLING ABOVE ACCESSIBLE CEILINGS SHALL BE ROUTED SQUARE WITH BUILDING LINES.
- RETURN AIR PLENUMS CONNECTING TO AIR HANDLING UNITS SHALL BE LINED WITH INSULATION AS SPECIFIED, EXCEPT AHU-3, AHU-3. ALL DUCT AND PLENUMS SHALL BE EXTERNALLY INSULATED.
- JOBSITE VERIFY LOCATION OF TEMPERATURE SENSORS PRIOR TO INSTALLATION.

MANDATORY: CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND DETERMINE ALL EXISTING CONDITIONS WHICH MAY AFFECT HIS WORK. ANY CONDITIONS RESULTING IN ADDITIONAL WORK ARISING AFTER AWARD OF CONTRACT AND START OF CONSTRUCTION SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.

04-28-16: ADDENDUM 2

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 3, 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, 24"X24" PANEL, 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 350RL, 3/4" SPACING 35° FIXED 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:
 1. OBVD - OPPOSED BLADE VOLUME DAMPER.
 2. CONTRACTOR IS RESPONSIBLE TO PROVIDE THE AIR DEVICE FRAME AND MOUNTING SYSTEM TO MATCH THE ARCHITECT CEILING TYPES. SEE ARCHITECTURAL DRAWINGS FOR COORDINATION.
 3. CONFIRM AIR DEVICE COLOR WITH ARCHITECT.
 4. ON ALL REGISTERS, PROVIDE CONCEALED FRAME MOUNTING. NO SCREWS SHALL BE IN FACE OF FRAME.
 5. 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

NOTES:
 1. FURNISH WITH 14" HIGH INSULATED ROOF CURB.
 2. 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)
 1. MAINTAIN NATIONAL ELECTRICAL CODE CLEARANCES IN FRONT OF HEATER CONTROL PANEL.
 2. MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES TO COMBUSTIBLES.
 3. PROVIDE MANUFACTURER'S RECOMMENDED MOUNTING HARDWARE.
 4. MAXIMUM AIRSIDE PRESSURE LOSS - 0.10".
 5. PROVIDE 24V CONTROL S WITH TRANSFORMER.
 6. PROVIDE INSULATED TERMINAL BOX.
 7. PROVIDE SAFETY AND OPERATING CONTROLS PER NEC.
 8. EXTERNALLY INSULATE ALL SURFACES SUBJECT TO CONDENSATION.
 9. FUSING SHALL BE BY STAGES.
 10. SINGLE POINT WIRING CONNECTION.
 11. SLIP-IN, OPEN ELEMENT TYPE.
 12. PROVIDE SAFETY DISCONNECT SWITCH, AIRFLOW SWITCH, HIGH TEMPERATURE CUTOUT.
 13. 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	42X24	3.48	INTAKE	1890	AHU-1A	RUSKIN ELF6375DXD
L-2	42X24	3.48	INTAKE	1890	AHU-1B	RUSKIN ELF6375DXD
L-3	48X18	3.15	INTAKE	940	AHU-2, 3, & 4	RUSKIN ELF6375DXD
L-4	18X18	0.93	INTAKE	320	AHU-5	RUSKIN ELF6375DXD
L-5	18X18	0.93	INTAKE	450	AHU-6	RUSKIN ELF6375DXD
L-6	42X18	2.32	EXHAUST	1200	EF-1	RUSKIN ELF6375DXD
L-7	12X18	0.58	EXHAUST	100	EF-3	RUSKIN ELF6375DXD

NOTES:
 1. PROVIDE BIRD SCREEN.
 2. COORDINATE FINISH AND FRAME CONSTRUCTION WITH ARCHITECT.
 3. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
 4. PROVIDE DRAIN ABOVE BLADES AND EXTERIOR 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-109-H15-01	B	365	1,2,3,5,9

NOTES:
 1. PROVIDE INTEGRAL BACKDRAFT DAMPER.
 2. PROVIDE THERMAL PROTECTION.
 3. PROVIDE INTERNAL DISCONNECT SWITCH, FACTORY MOUNTED.
 4. PROVIDE BIRD SCREEN.
 5. 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.
 6. PROVIDE STAINLESS STEEL SCREWS TO SECURE FAN TO CURB.
 7. PROVIDE WITH SPEED CONTROL MOUNTED WITHIN FAN HOUSING.
 8. KEF-1: PROVIDE VENTED ROOF CURB EXTENSION, HINGED KIT WITH CABLES AND GREASE TRAP WITH DRAIN CONNECTION.
 9. 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.
 10. 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)
 A. MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES FOR MAINTENANCE.
 B. 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	1680
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	78.5/68.3	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:
 1. MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES FOR MAINTENANCE.
 2. PROVIDE 2" THICK, MERV-8 FILTER.
 3. PROVIDE 8" HIGH BASE RAILS.
 4. PROVIDE STAINLESS STEEL DRAIN PANS.
 5. PROVIDE SPRING ISOLATION FOR FAN MOTOR.
 6. PROVIDE FILTER MIXING BOX AT AHU-1A AND AHU-1B.
 7. PROVIDE ANGLE FILTER SECTION FOR AHU-2 THROUGH AHU-6.
 8. PROVIDE EXPANSION VALVE AT EACH COIL.
 9. AHU-1A,1B,3,5: PROVIDE CO2 SENSOR MOUNTED ADJACENT TO THERMOSTAT OR COMBINATION CO2 SENSOR THERMOSTAT AND DEMAND CONTROL VENTILATION SEQUENCE.
 10. PROVIDE MANUFACTURER'S 7-DAY PROGRAMMABLE DIGITAL THERMOSTAT WITH AUXILIARY OUTSIDE AIR DAMPER CONTACT AND DEMAND CONTROL VENTILATION SEQUENCE CAPABILITY.
 11. NOT USED.
 12. AHU-1A,1B: PROVIDE FACTORY MIXING BOX WITH RETURN AND OUTSIDE AIR DAMPERS. HVAC CONTRACTOR SHALL PROVIDE MODULATING ACTUATORS FIELD INSTALLED.

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-1CU-1	194	5490	3,300	8,790	3/8"	1/2"	2.9	18.0	8.0	15.0	208/1/60	20	75	DAIKIN INDOOR/OUTDOOR FTX9BLVJURX596LVJU		

NOTES:
 1. SINGLE POINT POWER CONNECTION.
 2. PROVIDE INTEGRAL FACTORY INSTALLED AND WIRED CONTROLS: FAN CONTACTOR, LOW VOLTAGE TRANSFORMER, CONTROL WIRING TERMINAL STRIP AND DISCONNECT.
 3. MAINTAIN MANUFACTURER'S RECOMMENDED DISTANCES FOR MAINTENANCE.
 4. PROVIDE CONDENSATE DRAIN P-TRAP AT DRAIN OUTLET.
 5. PROVIDE FACTORY PROGRAMMABLE, DIGITAL THERMOSTAT.
 6. PROVIDE LOW AMBIENT CONTROL DOWN TO 0°F.
 7. REFRIGERANT LINE SIZES SHOWN FOR REFERENCE ONLY. PROVIDE REFRIGERANT LINE SIZES AND INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.
 8. PROVIDE FACTORY APPLIED CONDENSER COIL COATINGS.
 9. THREE SPEED FAN.
 10. MAXIMUM 35dB.
 11. VARIABLE SPEED, DIGITAL INVERTER COMPRESSOR.
 12. HIGH AND LOW PRESSURE SAFETY.
 13. INDOOR COIL FREEZE PROTECTION.
 14. AUTOMATIC RESTART AFTER POWER INTERRUPTION.
 15. INSULATE BOTH REFRIGERANT LIQUID AND GAS LINES.

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

PIPING MATERIALS:
 1. REFRIGERANT: ASTM B280, TYPE ACR HARD DRAWN COPPER TUBING WITH ASME B16.22 WROUGHT COPPER FITTINGS.
 2. 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"	1 1/4"				
ACCU-1A,1B	98	318.4	2	460/3/60	2 EA.	23.1	57.8	80	3/4"	1"	1 1/4"	10.9	1300	CARRIER 38AFD027		
ACCU-2	98	84.8	1	460/3/60	1 EA.	12.6	18.0	25	3/4"	-	1 1/4"	12.9	430	CARRIER 38AUD208		
ACCU-3	98	96.7	2	460/3/60	2 EA.	12.6	19	25	3/4"	3/4"	1 1/4"	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 1/4"	13.4	730	CARRIER 38AUD016		
ACCU-5	98	82.3	1	460/3/60	1 EA.	12.6	18	25	3/4"	-	1 1/4"	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 1/4"	13.6	1150	CARRIER 38AUD025		

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

HOOD SCHEDULE	
DESIGNATION	DESCRIPTION AND REFERENCE SPECIFICATION
KH-1	1. 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. 2. PROVIDE AMEREX RP MODEL FSK FIRE SUPPRESSION SYSTEM (WET CHEMICAL). 3. PROVIDE 304 STAINLESS STEEL PLENUM, 8" WIDE BY LENGTH OF HOOD. MOUNT FLUSH WITH TOP OF HOOD. EXTEND DOWN TO WITHIN 32" OF FINISHED FLOOR. 4. PROVIDE FACTORY MOUNTED SUPPLY AND EXHAUST COLLARS. 5. PROVIDE DAMPER AT EXHAUST AIR INTAKE, ACCESSIBLE FROM FACE OF HOOD. 6. PROVIDE FAN CONTROL CENTER. 7. PROVIDE HOOD ENCLOSURE PANEL, 17" HIGH. 8. PROVIDE BACK SPLASH, WIDTH OF HOOD, 32" HIGH. 9. MOUNT FAN CONTROL PANEL, TANK, AND FIRE PROTECTION PANEL WITHIN CABINET ON RIGHT END OF HOOD. 10. UL-710 LISTED WITHOUT EXHAUST FIRE DAMPER - UL #R25625. 11. GREASE FILTER AND LIGHTS.

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

RMA
 Rawley McCoy & Associates
 ARCHITECTS AND INTERIOR DESIGNERS

Final Plans for Bidding and Construction

R. DAVID MORALES
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 4/28/16

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

DATE ISSUED:
 April 28, 2016

B

PROJECT NUMBER:
 716-0114B

PLAN NORTH TRUE NORTH

SHEET NAME
 HVAC SCHEDULES

SHEET NUMBER
 BM3.1R2

04-28-16: ADDENDUM 2