



SELECTED PHASE ONE PROJECT DRAWINGS

A public-facing selection from the Phase One parish house HVAC drawing set, provided for parishioners and supporters who would like a closer look at the planning and coordination behind Building Our Future.

INCLUDED SHEETS

A-001	Coversheet & Project Information
A-100	First Floor, Roof & Lower Level Demolition Plans
A-200	First Floor Reflected Ceiling Plan, Roof & Lower Level Plans
A-300	Parish House Sections & Elevations
M2.01	Parish Center S.E. Low Roof - Mechanical Part Plan
M2.02	1st Floor Parish Center - HVAC Part Plan [A]

FOR GENERAL INFORMATIONAL PURPOSES

These selected drawings reflect the project design at the time of the source drawing set.

Construction details, equipment, dimensions and scope may be revised as the project proceeds.

The original architectural and engineering drawings remain the controlling project documents.

ST JOHN THE BAPTIST CATHOLIC CHURCH

PHASE 1 - FIRST FLOOR HVAC

CRAM AND FERGUSON ARCHITECTS LLC

PROJECT INFORMATION:

OWNER:

ST. JOHN THE BAPTIST CATHOLIC CHURCH FATHER SAMUEL KEYES
502 FORD STREET
BRIDGEPORT, PENNSYLVANIA 19405

ARCHITECT:

CRAM & FERGUSON ARCHITECTS LLC

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ETHAN ANTHONY President
KEVIN M. HOGAN Project Manager
EDWARD ANTHONY Designer khogan@cramandferguson.com

M.E.P. ENGINEER:

DAVID J. BRILL AND ASSOCIATES, LLC

28 HILLSIDE LANE
DOYLESTOWN, PA 18901
PHONE: (215) 348-7157

DAVID J. BRILL

STRUCTURAL ENGINEER:

BARRY ISETT & ASSOCIATES, INC.

5420 CRACKERSPORT ROAD
ALLENTOWN, PA 18104
PHONE: (610) 398-0904

ROSS SOTAK

ABBREVIATIONS

A/C:	AIR CONDITIONER	FIN.:	FINISH FLOOR LEVEL
ACI:	AMERICAN CONCRETE INSTITUTE	F.F.L.:	FINISHED FLOOR LEVEL
ACT:	ACOUSTICAL TILE	FL:	FLOOR LEVEL
ADA:	AMERICANS WITH DISABILITIES ACT OF 1992	F.O.F.:	FACE OF FINISH
ADJ.:	ADJACENT	FRPF:	FIREPROOF
A.F.F.:	ABOVE FINISHED FLOOR	FS:	FAR SIDE
A.F.G.:	ABOVE FINISHED GRADE	FT.:	FEET
AIA:	AMERICAN INSTITUTE OF ARCHITECTS	FTG:	FITTING
AIEE:	AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS	GALV.:	GALVANIZED
AISC:	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	GC:	GENERAL CONTRACTOR
AISt:	AMERICAN AND STEEL INSTITUTE	GFIC OR GF:	GROUND-FAULT CIRCUIT-INTERRUPTER
ALUM:	ALUMINUM	GFRG:	GLASS FIBER REINFORCED GYPSUM
ANSI:	AMERICAN NATIONAL STANDARDS INSTITUTE	GPM:	GALLONS PER MINUTE
APCIA:	AMERICAN PROPERTY CASUALTY INSURANCE ASSOCIATION	G.T.:	GYPSON WALL BOARD
ASCE:	AMERICAN SOCIETY OF CIVIL ENGINEERS	GYP:	GYPSUM
ASME:	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	H:	HIGH OR HEIGHT
ASTM:	AMERICAN SOCIETY FOR TESTING AND MATERIALS	H.B.:	HOSE BIB
AWG:	AMERICAN WIRE GAUGE	HDCP:	HANDICAPPED (BETTER IF REFERRED TO AS "ACCESSIBLE")
BLDG.:	BUILDING	HDP:	HIGH-DENSITY POLYETHYLENE
B.O.F.:	BOTTOM OF FOOTING	H.M.:	HOLLOW METAL
BOT:	BOTTOM	HRS:	HOT ROLLED STEEL
B.O.W.:	BOTTOM OF WALL	HV:	HIGH VOLTAGE
BRZ.:	BRONZE	HVAC:	HEATING, VENTILATION, AND AIR CONDITIONING
CAB.:	CABINET	H.W.:	HOT WATER
CBOR:	COUNTERBORE	IAW:	IN ACCORDANCE WITH
C.C.:	CENTER TO CENTER	ID:	INNER DIAMETER
CD:	CONSTRUCTION DOCUMENT	IE:	INVERT ELEVATION
C.F.M.:	CUBIC FEET PER MINUTE	IEEE:	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
CFS:	CUBIC FEET PER SECOND	IN.:	INCH
C.I.:	CAST IRON	INSUL.:	INSULATION
CL.:	CLOSET	ISO:	INTERNATIONAL ORGANIZATION FOR STANDARDS
CL.:	CENTER LINE	INT.:	INTERIOR
CLG.:	CEILING	INV.:	INVERT
CLR:	CLEAR	JAN.:	JANITORY
CMU:	CONCRETE MASONRY UNIT	J-BOX:	JUNCTION BOX
COL.:	COLUMN	JCT.:	JUNCTION
C.O.:	CLEANOUT	JST.:	JOIST
CONT.:	CONTINUOUS	JT.:	JOINT
CORR.:	CORRIDOR	KIT.:	KITCHEN
CPT.:	CARPET	KW:	KILOWATT
CRES:	CORROSION-RESISTANT STEEL	LAV.:	LAVATORY
CSINK:	COUNTERSINK	LDD:	LIMITED DIMENSION DRAWING
CT:	CERAMIC TILE	LFT.:	LINEAR FEET
CU. FT.:	CUBIC FEET	LH:	LEFT HAND
CU. YD.:	CUBIC YARD	LL:	LIVE LOAD
D.S.:	DOWNSPOUT	LM:	LIST OF MATERIALS
DIA.:	DIAMETER	LTG.:	LIGHT
DM.:	DIMENSION	LV.L.:	LAMINATED VENEER LUMBER
DET.:	DETAIL	MH:	MANHOLE
D.F.:	DRINKING FOUNTAIN	MAS.:	MASONRY
DN.:	DOWN	MAX:	MAXIMUM
DP:	DAMP-PROOFING, DEW POINT, OR DISTRIBUTION PANEL	MEBW:	MEASUREMENT BETWEEN WIRES
DR.:	DOOR	MET.:	METAL
DW.:	DISHWASHER	MFG.:	MANUFACTURING
DWG.:	DRAWING	MIN.:	MINIMUM
EACH:	EACH	MISC.:	MISCELLANEOUS
ED:	EDGE DISTANCE	M.O.:	MASONRY OPENING
E.F.:	EXHAUST FAN	MOW:	MEASUREMENT OVER WIRES
ENT.:	ENTRANCE	MTL.:	MATERIAL
EQ.:	EQUAL, OR EQUALLY	MULL.:	MULLION
EQUIP.:	EQUIPMENT	NA:	NOT APPLICABLE
ETR.:	EXISTING TO REMAIN	NEC:	NATIONAL ELECTRICAL CODE
EXIST.:	EXISTING	N.I.C.:	NOT IN CONTRACT
EXC:	EXCAVATE	NUM.:	NUMBER
EXP.JT.:	EXPANSION JOINT	NOM:	NOMINAL
EX.:	EXTERIOR	N.T.S.:	NOT TO SCALE
FAB.:	FABRIC	OAL:	OVERALL LENGTH
FACP:	FIRE ALARM CONTROL PANEL	O.C.:	ON CENTER
FAO:	FINISH ALL OVER	O.D.:	OUTSIDE DIAMETER
F.B.O.:	FURNISHED BY OWNER	OFF.:	OFFICE
F.C.O.:	FLOOR CLEANOUT	OPNG.:	OPENING
F.D.:	FLOOR DRAIN	PART.:	PARTITION
F.E.:	FIRE EXTINGUISHER	PCC:	PORTLAND CEMENT CONCRETE
F.E.C.:	FIRE EXTINGUISHER CABINET	PCI:	PROPERTY CASUALTY INSURERS ASSOCIATION OF AMERICA

DRAWING LIST

CRAM & FERGUSON ARCHITECTS, LLC

A-001 COVER SHEET & PROJECT INFORMATION
A-002 EGRESS PLAN & BUILDING CODE SUMMARY
A-100 FIRST FLOOR, ROOF & LOWER LEVEL DEMOLITION PLANS
A-200 FIRST FLOOR REFLECTED CEILING PLAN, ROOF & LOWER LEVEL PLANS
A-300 PARISH HOUSE SECTIONS & ELEVATIONS

DAVID J. BRILL AND ASSOCIATES, LLC

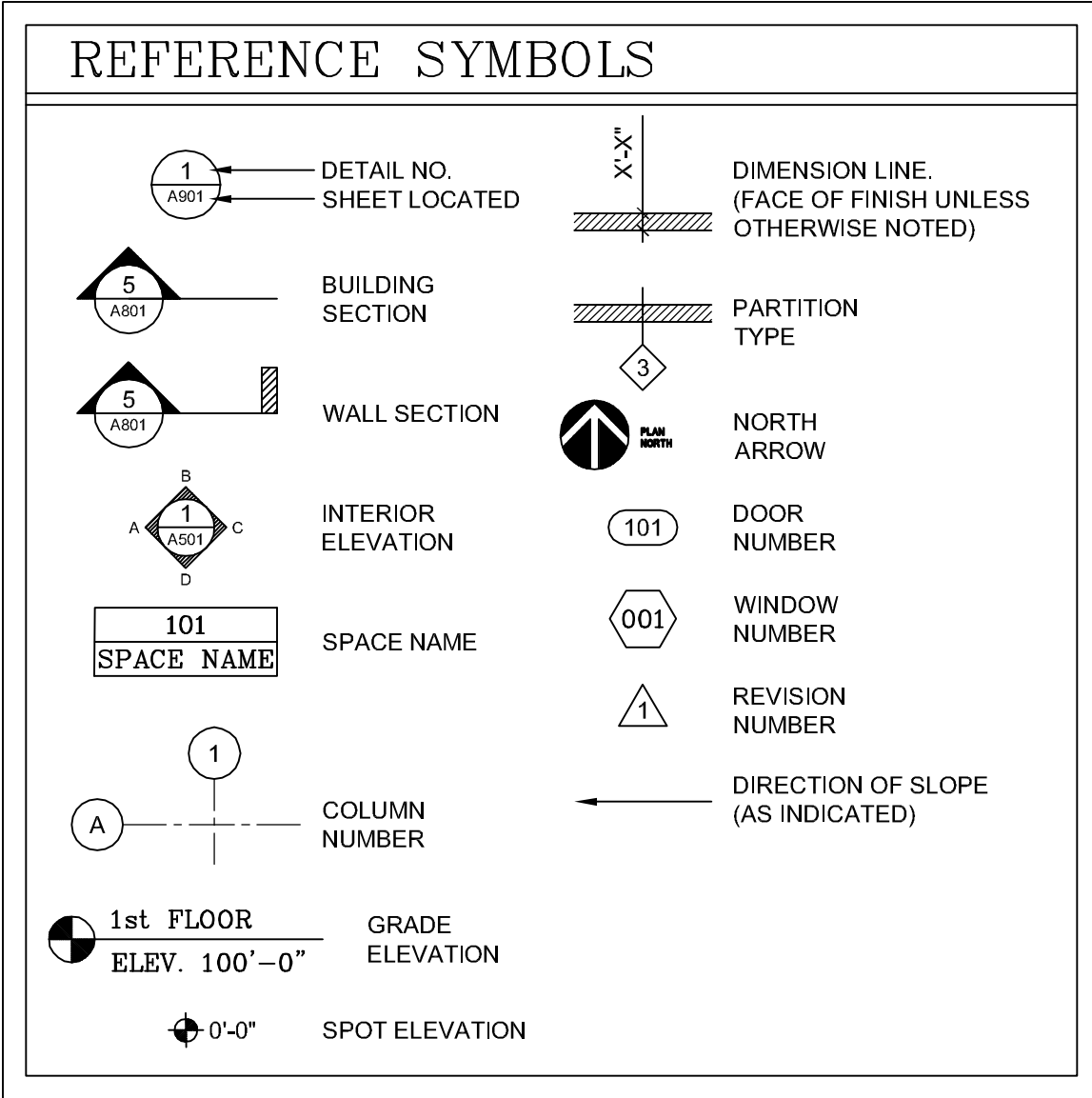
M0.01 NATURAL GAS RISER NOTES & INFORMATION
M1.01 HVAC NOTES & LEGENDS
M2.01 NEW RTU HVAC PARTIAL PLAN, NOTES & DETAILS
M2.02 1st FLOOR HVAC PARTIAL PLAN 'A'
M2.03 1st FLOOR PARTIAL PLAN 'B' + MEN'S & WOMEN'S EXHAUST
M3.01 NEW RTU-M1 SCHEDULE & DUCT STANDARDS/ DETAILS
M3.02 MECHANICAL EQUIPMENT SCHEDULES
M3.03 NEW RTU ZONEX SYSTEM (BASIS OF DESIGN)
M4.01 MECHANICAL DETAILS

BARRY ISETT & ASSOCIATES, INC.

S1.0 FOUNDATION PLAN
S2.0 TYPICAL DETAILS AND NOTES
S2.1 FRAMING PLAN, NOTES AND DETAILS

E1.01 1st FLOOR PARISH CENTER - LIGHTING PLAN & RISER

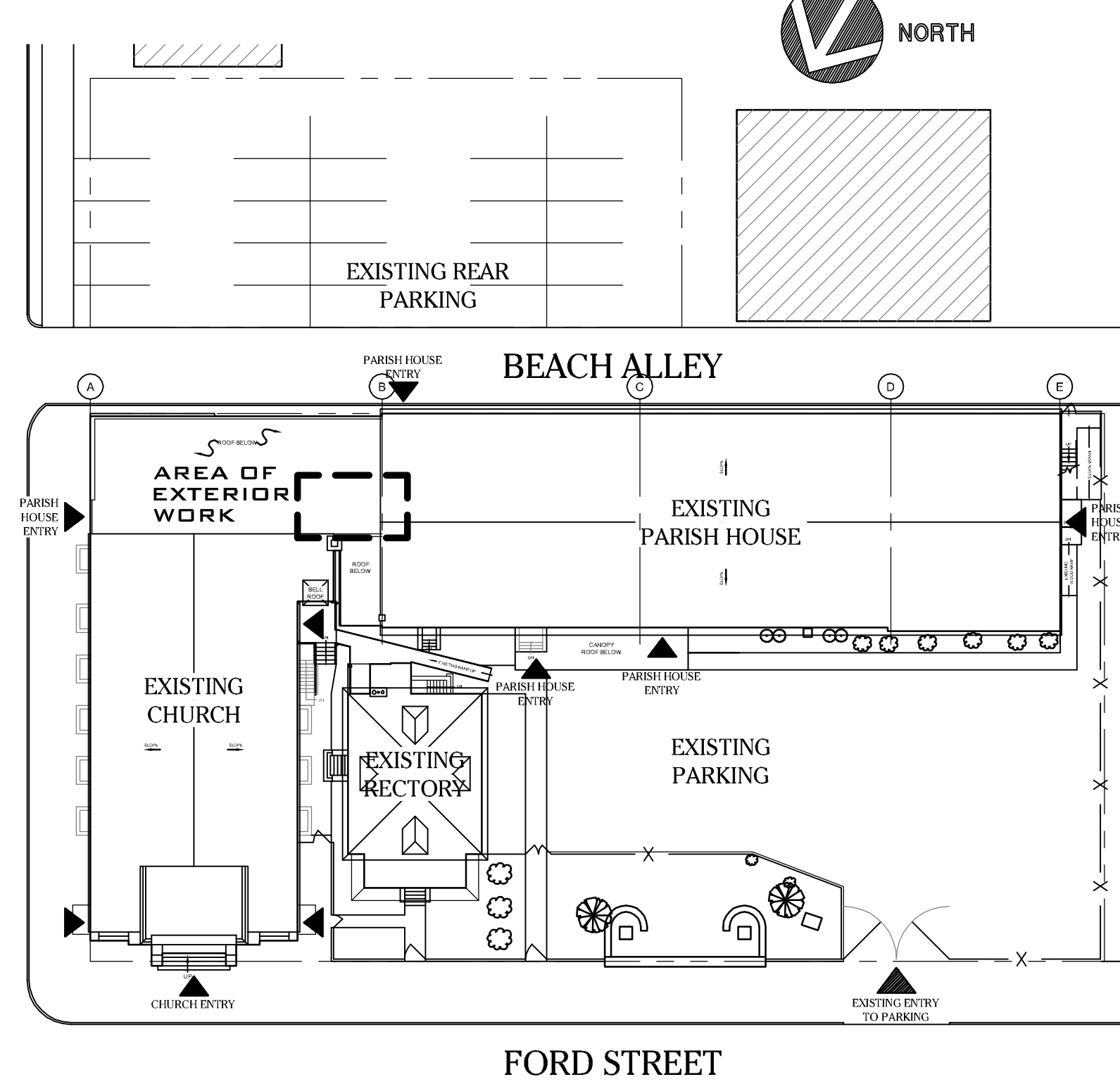
SYMBOLS, MATERIALS



MATERIAL	ELEVATION	SECTION
BRICK		
CONCRETE BLOCK		
CONCRETE		
GLASS		
STEEL		
SHINGLE		
FLASHING		
FINISHED WOOD		
WOOD BLOCKING		

DIAGRAMMATICAL SITE PLAN

SCALE: 1/32"= 1'-0"



Cram and Ferguson
Architects

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DRAWING LIST

A001 COVER SHEET
A002 EGRESS PLAN
A100 DEMOLITION PLANS
A200 1st FLOOR CEILING, ROOF & LOWER LEVEL
A300 ELEVATIONS & SECT

REVISIONS	DATE

NOTES:
CONTRACTOR REQUIRED TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING ALL WORK ON SITE. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ARCHITECTS ATTENTION BEFORE ANY WORK IS ATTEMPTED.
DO NOT SCALE DRAWINGS.

ST. JOHN THE BAPTIST
CATHOLIC CHURCH
502 FORD STREET
BRIDGEPORT, PA 19405

REGISTRATION:

PARISH HOUSE
RENOVATIONS
1st FLOOR HVAC

SCALE: AS SHOWN
DATE: 04-06-26
APPROVED BY:

COVERSHEET &
PROJECT
INFORMATION

A-001

FILE LOC.: 2621-01-A001

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A001	COVER SHEET
A002	EGRESS PLAN
A100	DEMOLITION PLANS
A200	1st FLOOR CEILING, ROOF & LOWER LEVEL
A300	ELEVATIONS & SECT

NOTES:
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REGISTRATION:

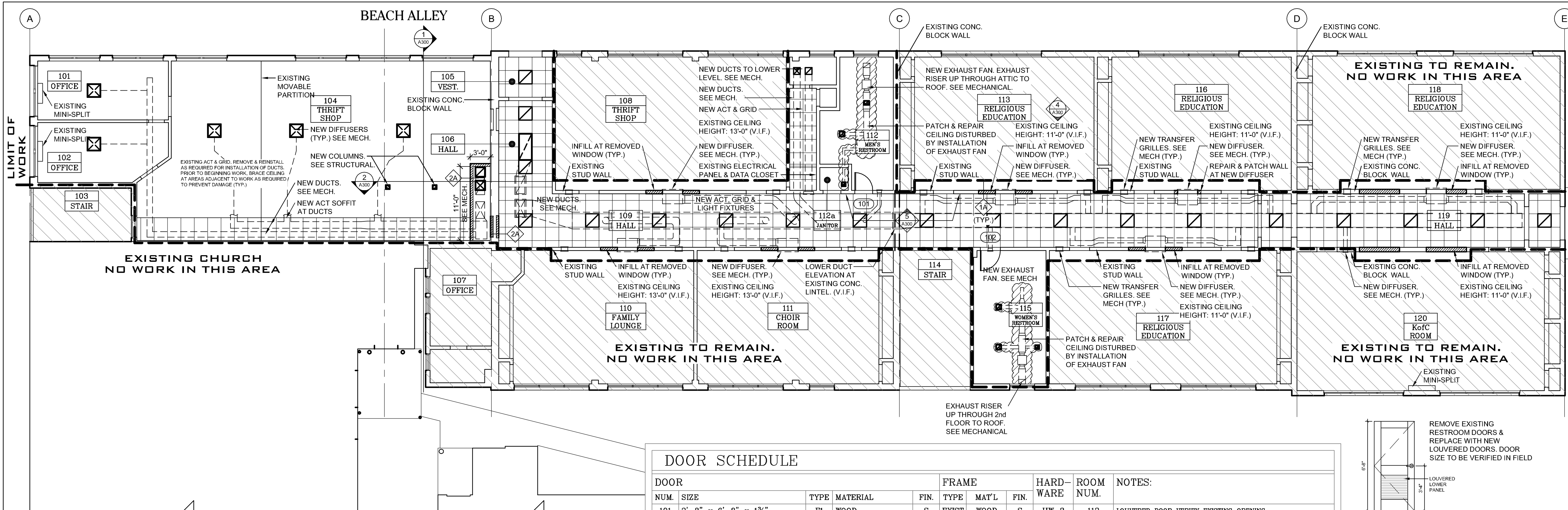
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DATE: 04-06-26	DRAWN BY: C&F
APPROVED BY:	

A-100

FILE LOC.: 2621-01-A100

DEMOLITION LEGENDDEMOLITION NOTES:

1. OWNER TO PERFORM HAZMAT SURVEY AND REQUIRED REMEDIATION OF WORK AREA PRIOR TO DEMOLITION OR CONSTRUCTION.
2. EXISTING BUILDING INFORMATION SHOWN IS BASED ON EXISTING BUILDING DRAWINGS AND FIELD OBSERVATIONS. CONTRACTOR SHALL VERIFY ALL EXISTING BUILDING CONDITIONS AND INFORMATION SHOWN (DIMENSIONS, ELEVATIONS, ETC) AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
3. CONTRACTOR TO LOCATE EXISTING UTILITIES ON SITE AND REROUTE AROUND NEW CONSTRUCTION.
4. MAINTAIN SITE CLEAN AND CLEAR OF DEBRIS AT ALL TIMES. PROVIDE DUMPSTER FOR REFUSE OF ALL TRADES.
5. DEMOLITION OF FLOORS, WALLS, COLUMNS AND ALL RELATED WORK SHALL BE COORDINATED WITH STRUCTURAL ENGINEER. PRIOR TO BEGINNING WORK REMOVE ALL WALLS, ROOF & CEILING TO REMAIN AT AREAS ADJACENT TO DEMOLITION AS REQUIRED TO PREVENT DAMAGE. VERIFY WITH STRUCTURAL ENGINEER BRACING & SHORING REQUIREMENTS BEFORE BEGINNING DEMOLITION.
6. PROTECT EXISTING FLOORING AND FINISHES TO REMAIN DURING DURING DEMOLITION AND CONSTRUCTION.
7. REPAIR & PATCH WALLS, FLOOR AND CEILING TO MATCH EXISTING IF DISTURBED BY DEMOLITION.
8. CAP PIPING AT ALL REMOVED PLUMBING FIXTURES.

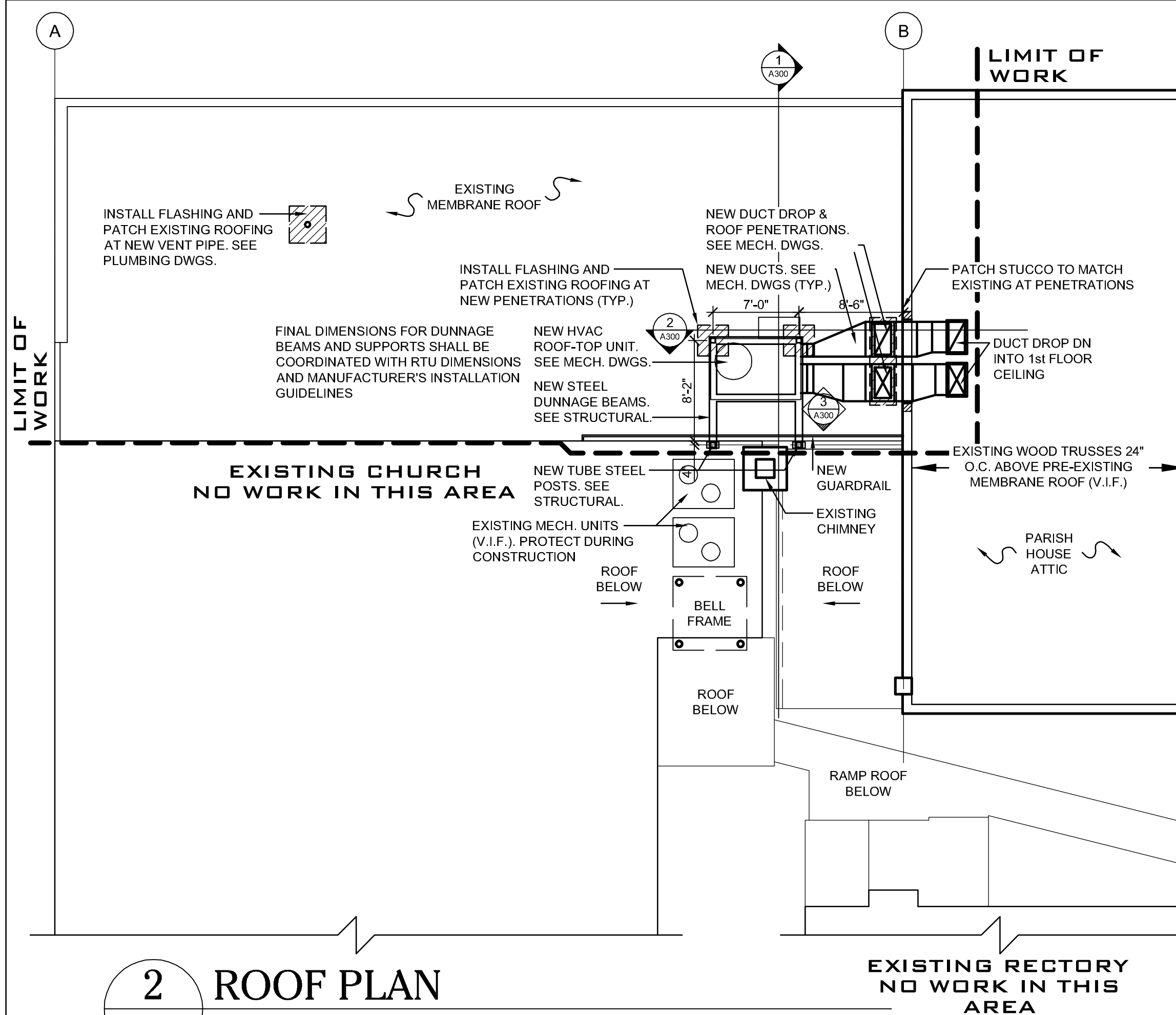
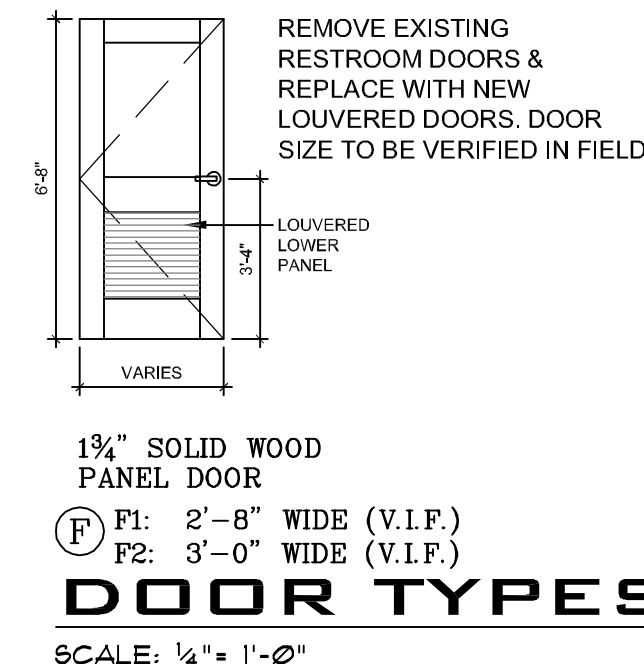


1 1st FLOOR REFLECTED CEILING PLAN
A200 SCALE: 1/8" = 1'-0"

EXISTING RECTORY NO WORK IN THIS AREA

DOOR SCHEDULE

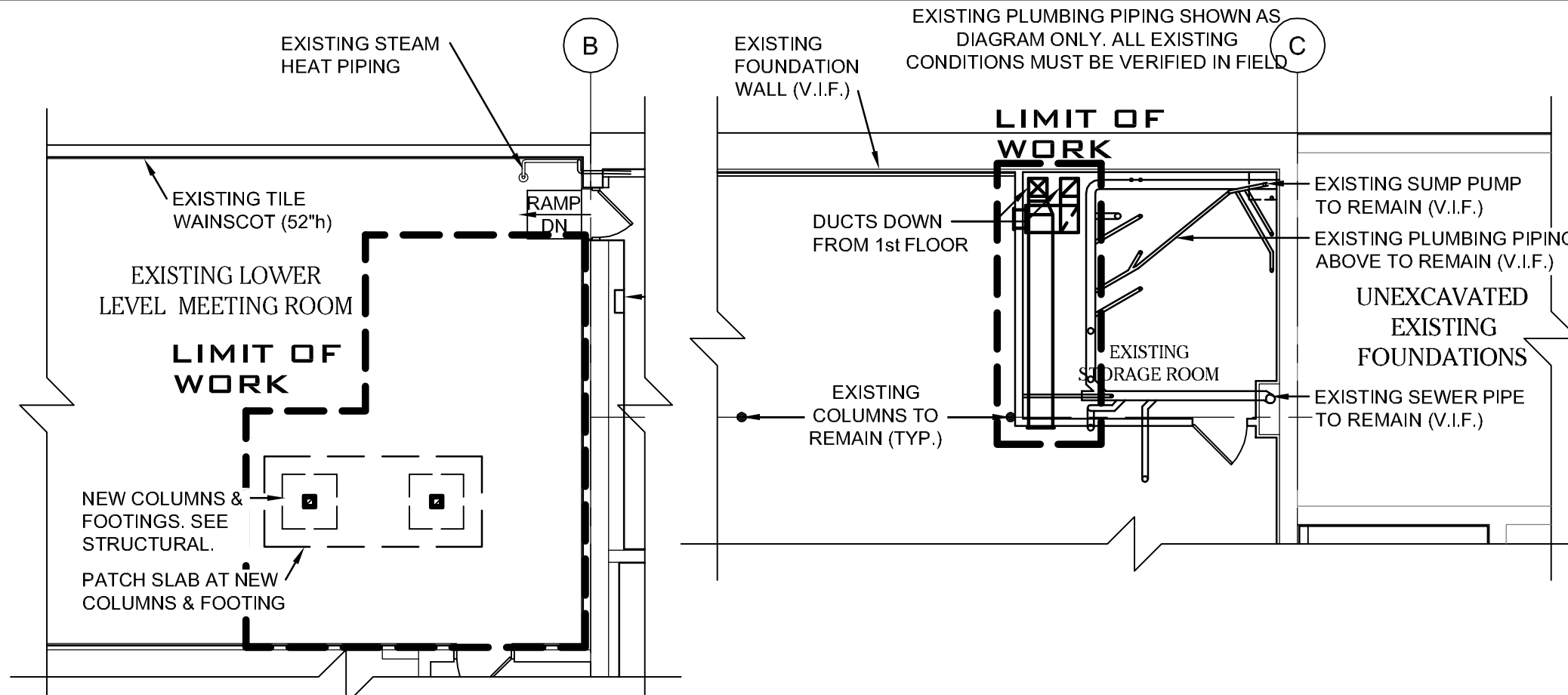
DOOR NUM.	SIZE	TYPE	MATERIAL	FIN.	FRAME TYPE	MAT'L	FIN.	HARD-WARE	ROOM NUM.	NOTES:
101	2'-8" x 6'-8" x 1 3/4"	F1	WOOD	S	EXIST	WOOD	S	HW-3	112	LOUVERED DOOR VERIFY EXISTING OPENING
102	3'-0" x 6'-8" x 1 3/4"	F2	WOOD	S	EXIST	WOOD	S	HW-3	115	LOUVERED DOOR VERIFY EXISTING OPENING



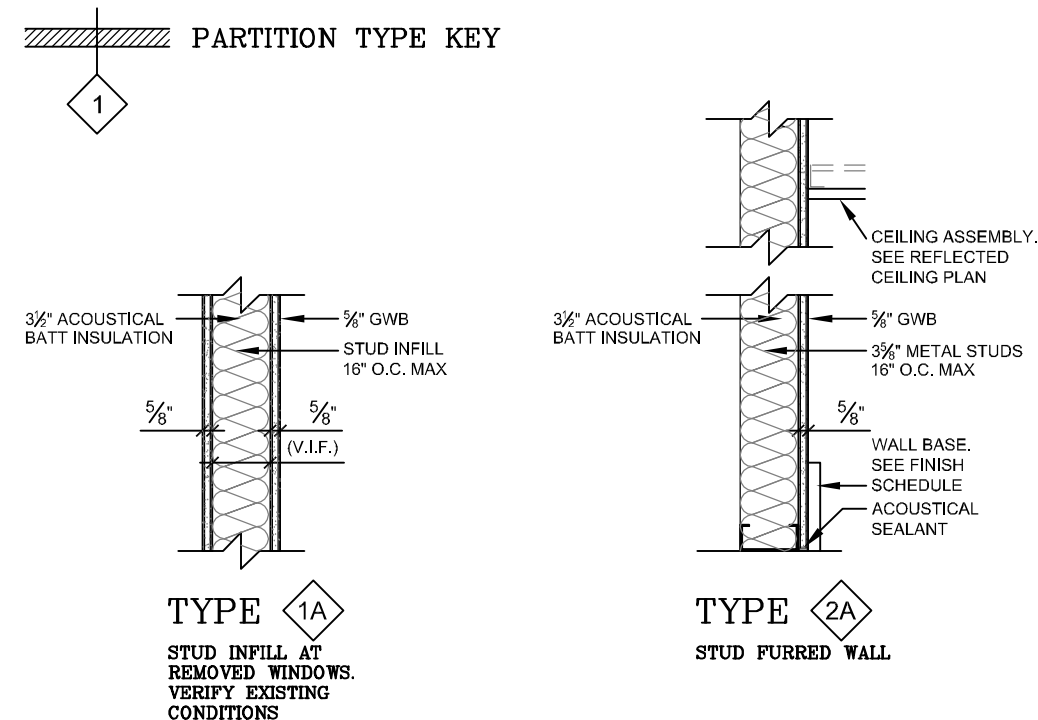
2 ROOF PLAN
A200 SCALE: 1/8" = 1'-0"

EXISTING RECTORY NO WORK IN THIS AREA

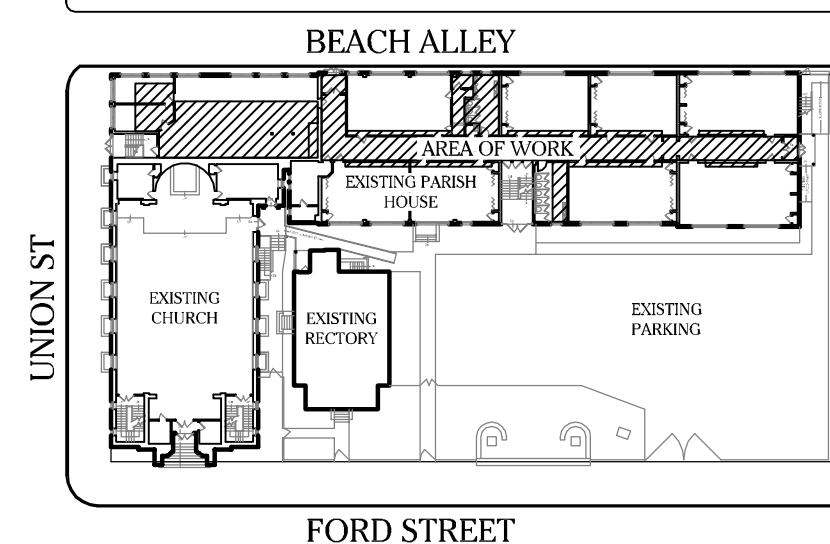
3 LOWER LEVEL PLAN
A200 SCALE: 1/8" = 1'-0"



INTERIOR PARTITION TYPES SCALE: 1" = 1'-0"



KEY PLAN: NOT TO SCALE



LEGEND

	EXISTING PARTITION TO REMAIN
	NEW GWB PARTITION
	EXISTING DOOR TO REMAIN
	NEW DOOR
	2x2 LED LIGHT FIXTURE
	SUPPLY DIFFUSER
	AIR RETURN
	EXHAUST FAN

NOTES:

- EXISTING BUILDING INFORMATION SHOWN IS BASED ON EXISTING BUILDING DRAWINGS AND FIELD OBSERVATIONS. CONTRACTOR SHALL VERIFY ALL EXISTING BUILDING CONDITIONS AND INFORMATION SHOWN (DIMENSIONS, ELEVATIONS, ETC) AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
- AT PARTITION INFILL, MATCH EXISTING WALL THICKNESS AND FINISH. VERIFY WITH EXISTING CONDITIONS.
- FOR ALL LIGHTING INFORMATION AND FIXTURE TYPES SEE ELECTRICAL DRAWINGS.
- GC SHALL COORDINATE PLACEMENT OF DIFFUSERS, SENSORS AND OTHER CEILING ITEMS WITH LIGHTING AND REPORT ANY CONFLICTS TO ARCHITECT.
- PROVIDE UNIT PRICE FOR ADDITIONAL EXIT LIGHTS, STROBES AND PULLS IF REQUESTED BY FIRE MARSHALL.
- FOR HARDWARE SETS SEE SPECIFICATION SECTION 08710
- ALL WOOD DOORS AND FRAMES SHALL BE OAK UNLESS OTHERWISE NOTED.
- ALL WOOD BLOCKING IN CONTACT WITH CMU SHALL BE PRESSURE TREATED LUMBER
- REPAIR AND RESTORE ALL EXISTING FINISHES DISTURBED BY CONSTRUCTION TO ORIGINAL STATE
- NEW PLASTER AND GWB TO MATCH EXISTING FINISH AND TEXTURE OF SURROUNDING WALLS.

REVISIONS
DATE



ST. JOHN THE BAPTIST CATHOLIC CHURCH
502 FORD STREET
BRIDGEPORT, PA 19405

REGISTRATION:

PARISH HOUSE RENOVATIONS 1st FLOOR HVAC

SCALE: AS SHOWN
DATE: 04-06-26
APPROVED BY:

1st FLOOR REFLECTED CEILING PLAN, ROOF & LOWER LEVEL PLANS

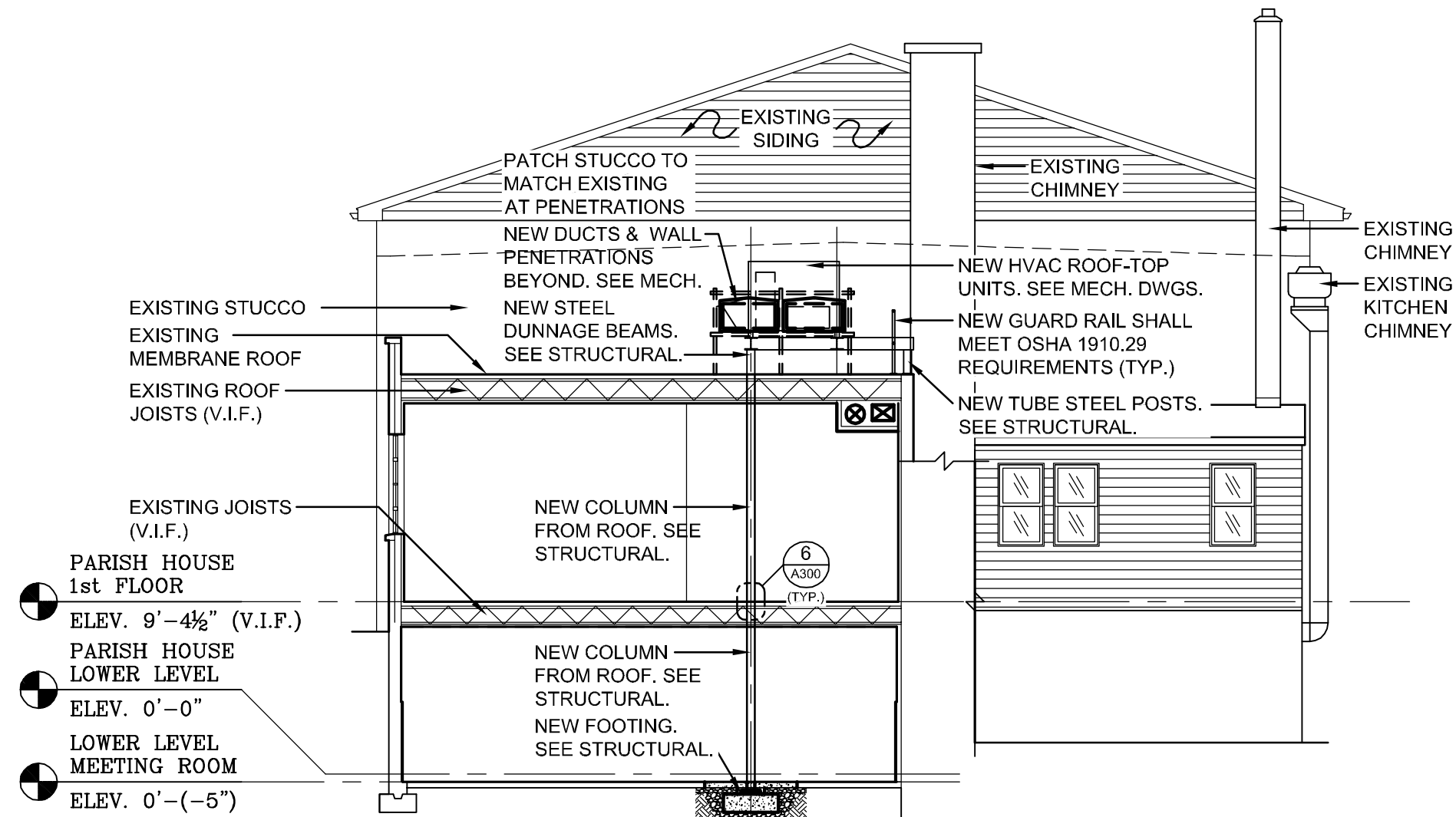
A-200

FILE LOC.: 2621-01-A200

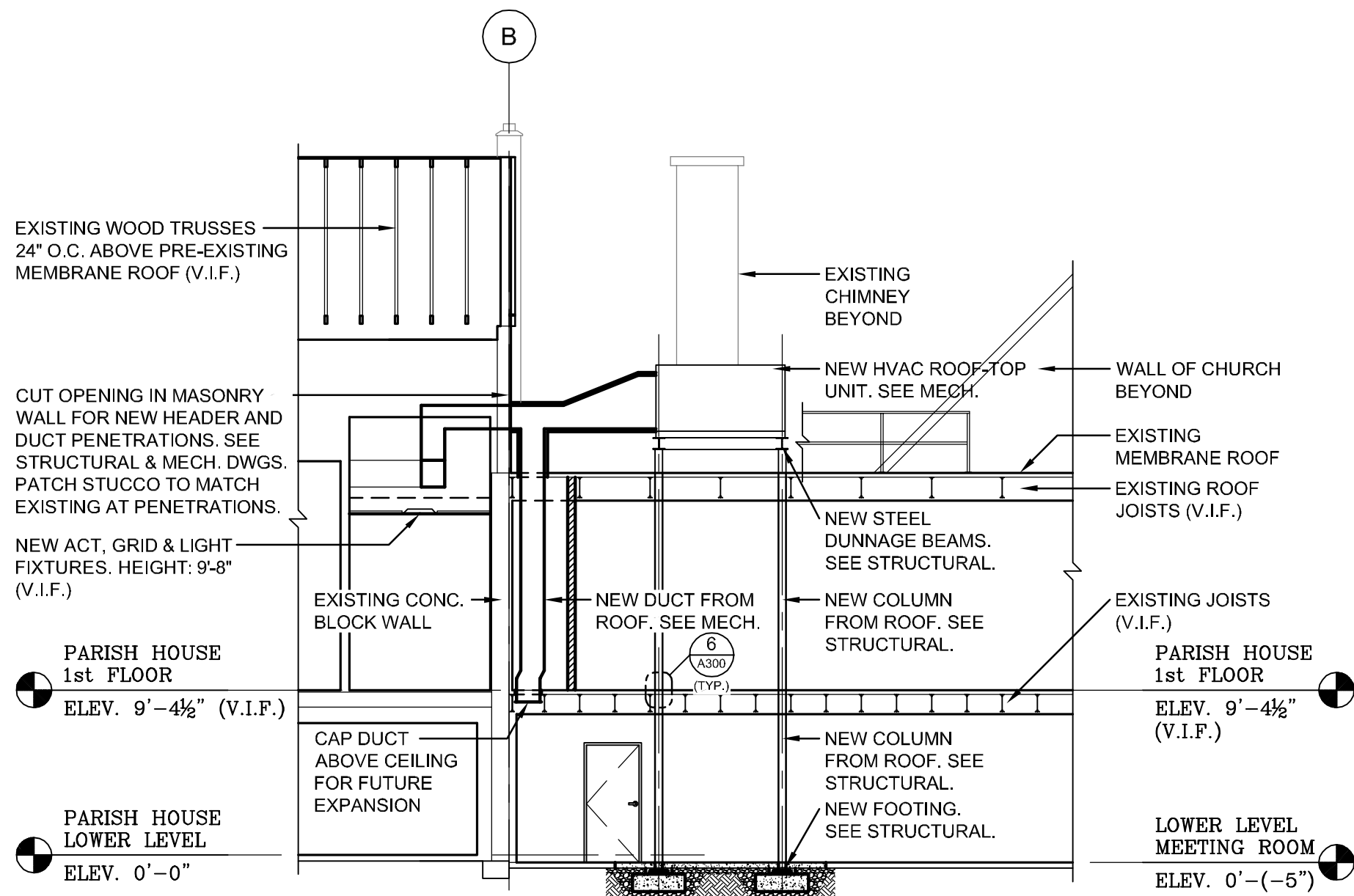
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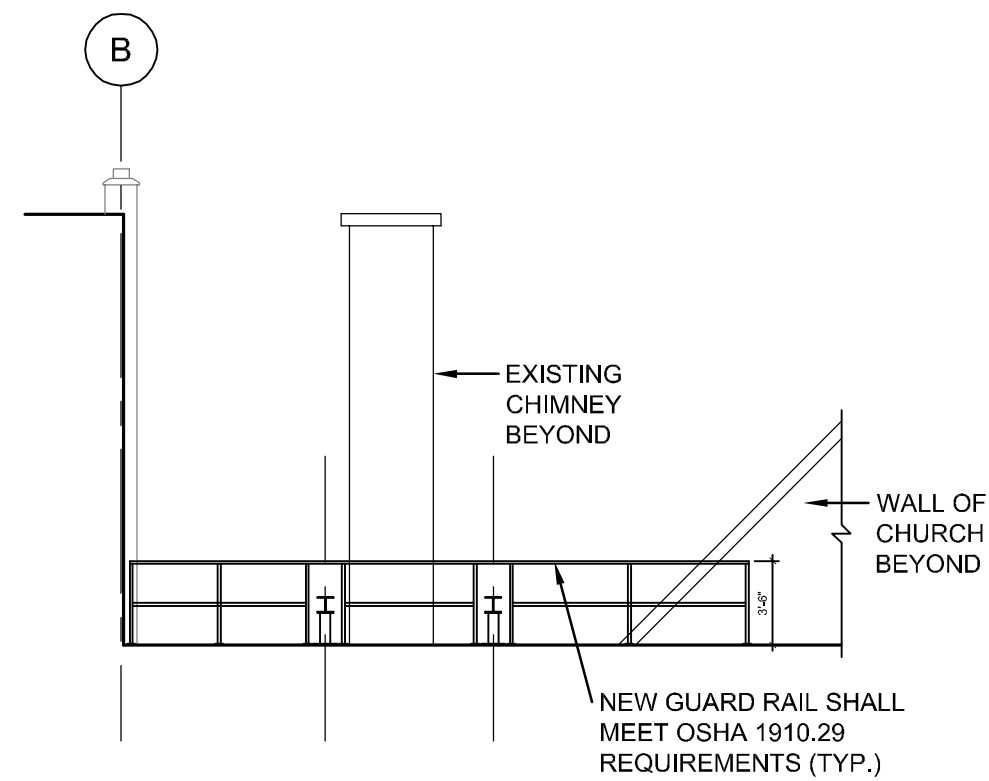
A001	COVER SHEET
A002	EGRESS PLAN
A100	DEMOLITION PLANS
A200	1st FLOOR CEILING, ROOF & LOWER LEVEL
A300	ELEVATIONS & SECT



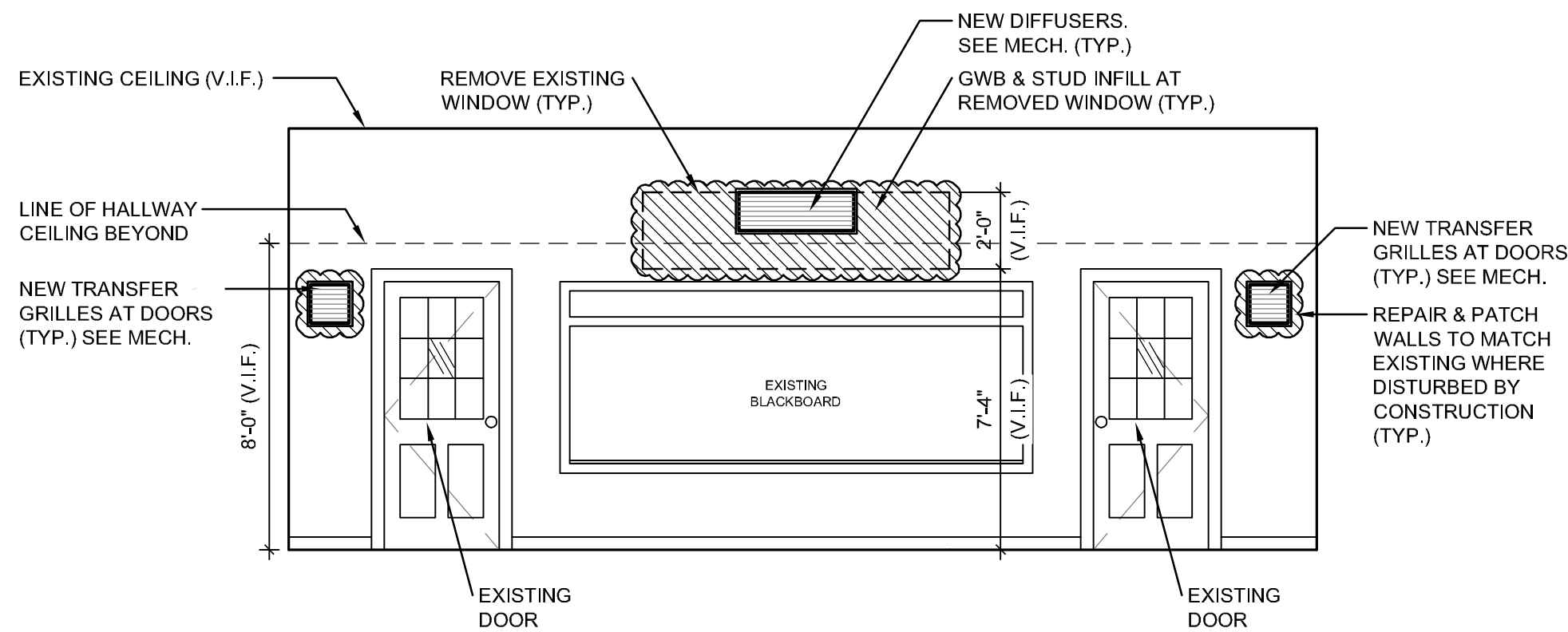
1 PARISH HOUSE SECTION
A300 SCALE: 1/8"=1'-0"



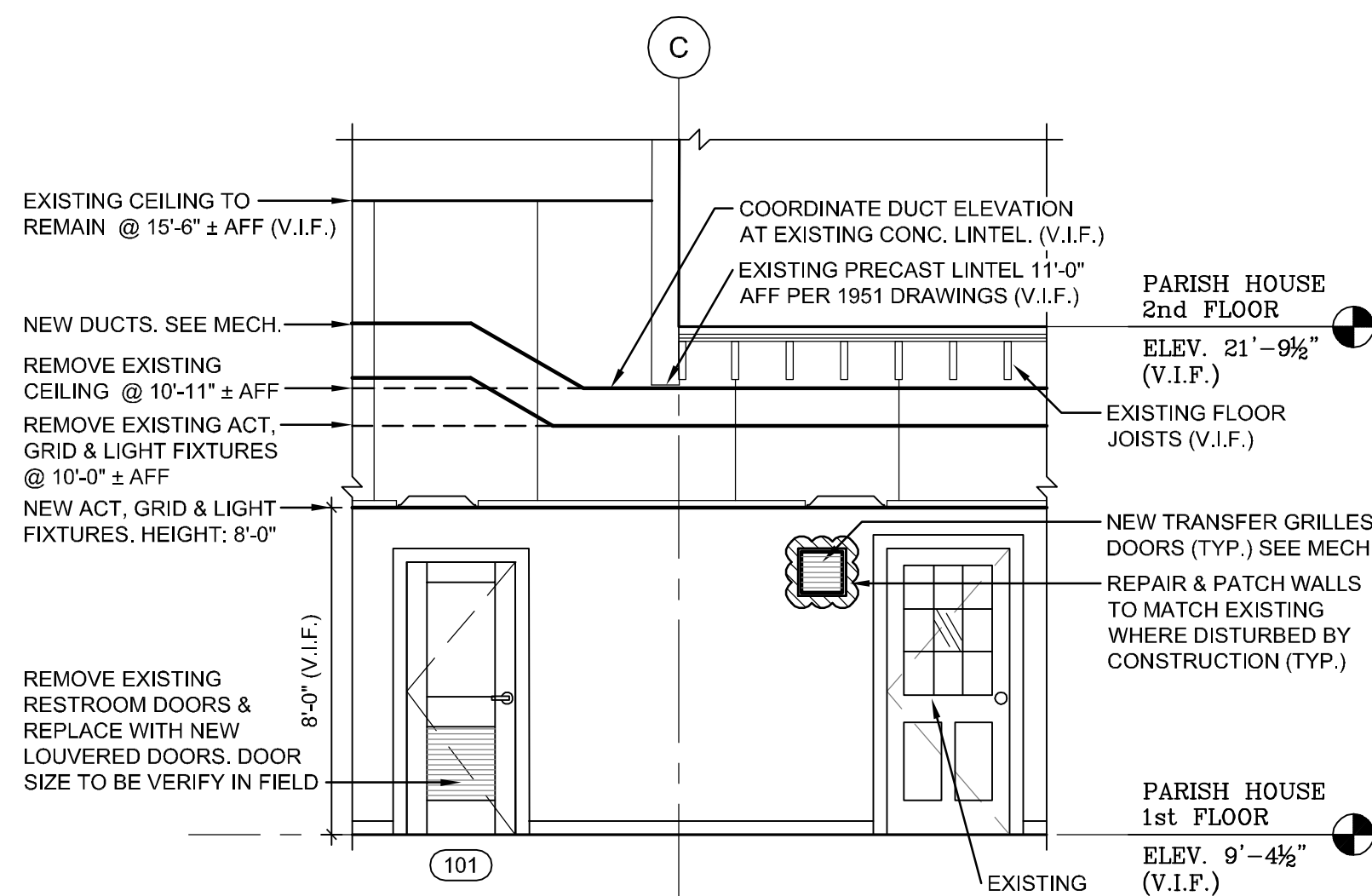
2 PARISH HOUSE SECTION
A300 SCALE: 1/8"=1'-0"



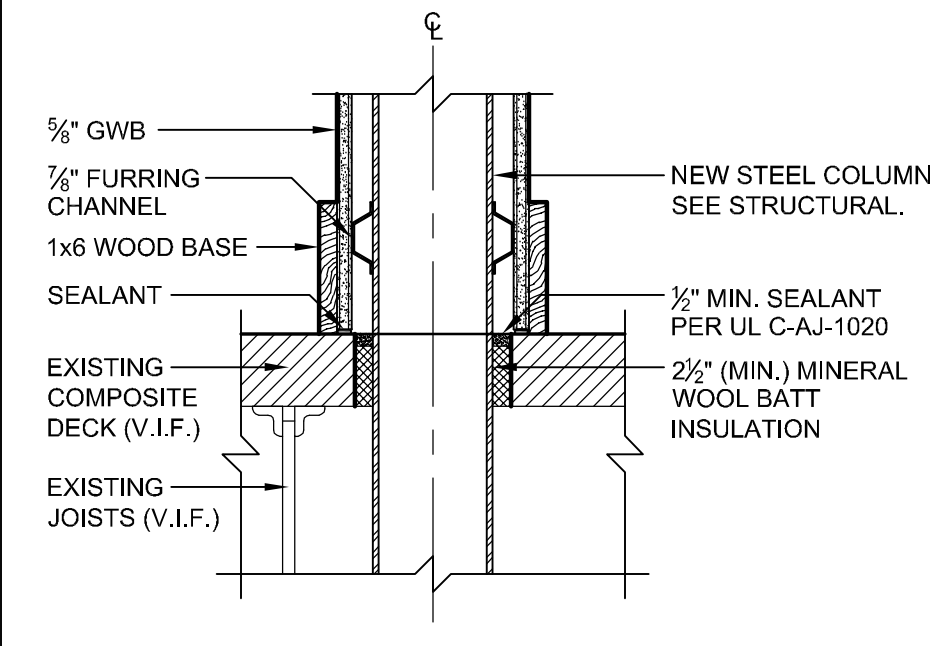
3 MECHANICAL GUARD RAIL ELEVATION
A300 SCALE: 1/8"=1'-0"



4 TYPICAL 1st FLOOR ROOM ELEVATION
A300 SCALE: 1/4"=1'-0"



5 Rm. 109 HALL AT COLUMN LINE "B" ELEVATION
A300 SCALE: 1/4"=1'-0"



6 COLUMN DETAIL
A300 SCALE: 1/2"=1'-0"

REVISIONS	DATE

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ST. JOHN THE BAPTIST
CATHOLIC CHURCH
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BRIDGEPORT, PA 19405

REGISTRATION:

PARISH HOUSE
RENOVATIONS
1st FLOOR HVAC

SCALE: AS SHOWN	COMM #: 2621-01
DATE: 04-06-26	DRAWN BY: C&F
APPROVED BY:	

PARISH HOUSE
SECTIONS &
ELEVATIONS

A-300

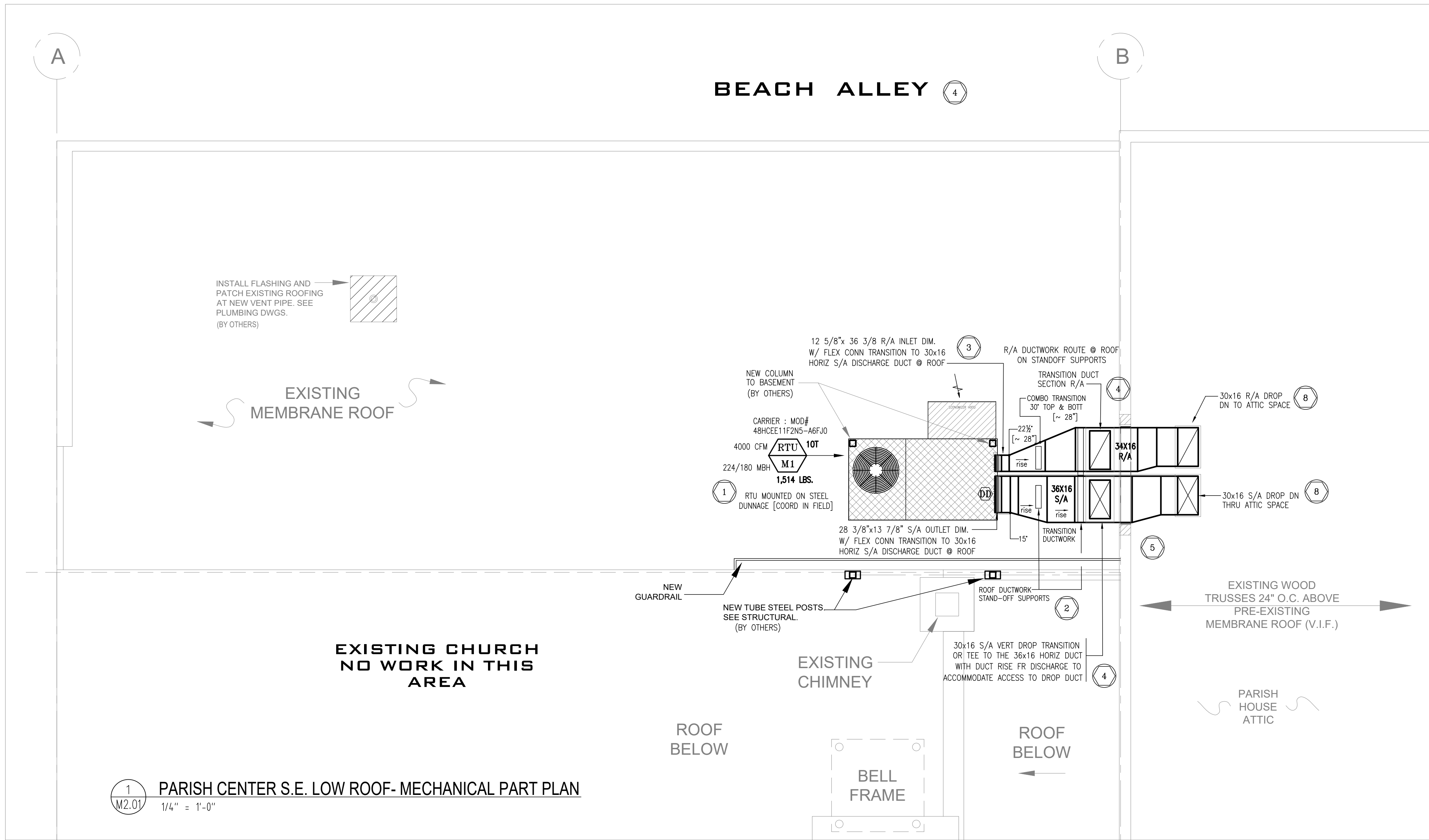
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- REPAIR AND RESTORE ALL EXISTING FINISHES DISTURBED BY CONSTRUCTION TO ORIGINAL STATE
- NEW PLASTER AND GWB TO MATCH EXISTING FINISH AND TEXTURE OF SURROUNDING WALLS.

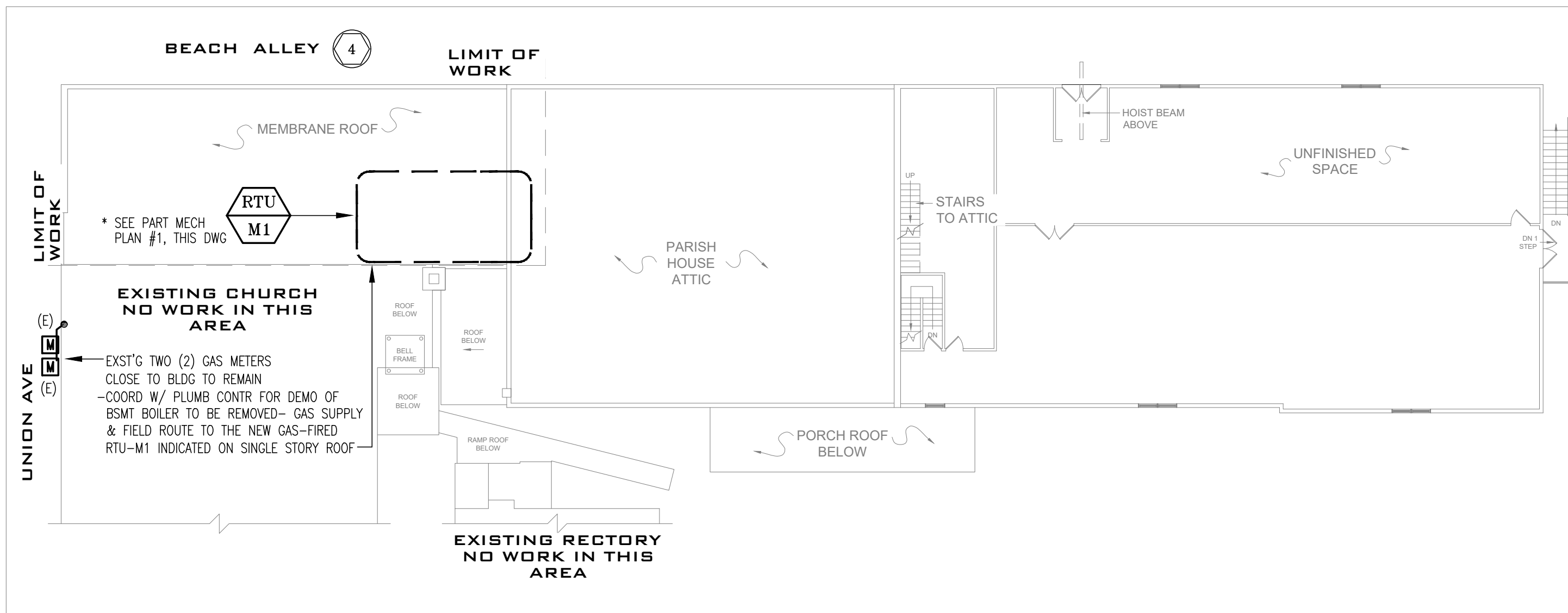
HVAC SYMBOLS		
	SUPPLY DIFFUSER - 4 WAY BLOW	...
	SUPPLY DIFFUSER - THREE WAY BLOW	...
	SUPPLY DIFFUSER - TWO WAY BLOW	...
	SUPPLY DIFFUSER - ONE WAY BLOW	...
	RETURN AIR GRILLE	...
	DUCTED RETURN AIR GRILLE	...
	POINT OF NEW CONNECTION	...
	POINT OF REMOVAL	...
	PREPURCHASED EQUIPMENT	...
	RETURN AIR FLOW	...
	DUCT RISE/FALL	...
	LOUVERED DOOR	...
	FIRE DAMPER AND ACCESS DOOR	FD/AO
	VOLUME DAMPER	VD
	FLEXIBLE CONNECTOR	FC
	MOTORIZED DAMPER	MD
	DAMPER	DPR
	SMOKE DAMPER	...
	COMBINATION FIRE/SMOKE DAMPER	...
	EXISTING TO REMOVE	...
	EXISTING EQUIPMENT	...
	ELBOW TURNING VANES	...
	FLEXIBLE DUCTWORK	...
	NECK SIZE (*) OR ACTIVE LENGTH	...
	AIR DEVICE TYPE	...
	SPIN IN FITTING WITH DAMPER	...
	CAP	...
	THERMOSTAT EQUIPMENT #	T
	HUMIDISTAT	H
	EQUIPMENT NAME AND NUMBER	...
	LIQUID REFRIGERANT LINE	L
	SUCTION (GAS) REFRIGERANT LINE	S
	AC CONDENSATE DRAIN	CD
	DUCT THERMOSTAT	...
	STATIC PRESSURE CONTROLLER	SP
	ATC CONTROL PANEL	ATC
	BUILDING AUTOMATION SYSTEM	BAS
	SMOKE DETECTOR	...
	STATIC PRESSURE SENSOR	...
	AIR CONDITIONING ACCESS DOOR	AC AD
	AIR HANDLING UNIT BACKDRAFT DAMPER	AHU BDD
	DOWN DRY BULB	DB
	ENTERING AIR TEMPERATURE	ENT
	ENTERING WATER TEMPERATURE	EWT
	EXTERNAL STATIC PRESSURE	E.S.P.
	EXHAUST FAN	EF
	EXISTING TO REMAIN	(C)
	EXISTING TO BE RELOCATED	(EX)
	RELOCATED EXISTING	(RE)
	FAN POWERED BOX	FPB
	FLEXIBLE CONNECTOR	FC
	FIRE DAMPER	FD
	FULL LOAD AMPERES	FLA
	GALLONS PER MINUTE	GPM
	HEAT PUMP	HP
	HORSE-POWER	HP
	HERTZ	Hz
	LEAVING WATER TEMPERATURE	LWT
	MBH	1,000 BTUH
	M.O.D.	M.O.D.
	NEW	(N)
	NOT IN CONTRACT	NC
	OPPOSED BLADE DAMPER	OBD
	OPENING	OPEN'G
	OPEN END DUCT	OED
	OUTSIDE AIR INTAKE	OAI
	PHASE	φ
	PLUMBING CONTRACTOR	PC
	PRESSURE DROP	PD
	RELOCATED EXISTING	(RE)
	RETURN AIR	R/A
	SUPPLY AIR	S/A
	TRANSFER DUCT	TD
	TYPICAL	TYP
	VARIABLE AIR VOLUME	VAV
	VARIABLE FREQUENCY DRIVE	VFD
	VOLTS	V
	WIRE MESH SCREEN	WMS
	WITH	W/
	ZONE DAMPER	ZD
	DUCT MOUNTED SMOKE DETECTOR	...



1 M2.01 PARISH CENTER S.E. LOW ROOF- MECHANICAL PART PLAN
1/4" = 1'-0"

MECHANICAL SHEET NOTES

- PROVIDE INSTALLATION OF NEW RTU UNIT 'RTU-M1' PER DWG M3.01 RTU SCHEDULE, AND COORDINATE STRUCTURAL SUPPORT FOR THE RTU DUNNAGE INSTALLATION AND THE UNIT AT THE SINGLE STORY SECTION, GENERALLY AS INDICATED ON THE PLAN. COORDINATE WITH THE ROOF STRUCTURAL SUPPORT AND THE ROOF DUCTWORK PENETRATIONS AS WELL AS THE MASONRY WALL DUCT PENETRATION. SEE ROOF DUCTWORK SUPPORT AND STRUCTURE PENETRATION DETAILS.
- TRANSITION UP FROM THE RTU SUPPLY AIR (S/A) DUCT, WITH RISE SUFFICIENT TO INSTALL THE 30x16 DROP TEE DOWN TO THE 1st FL & FUTURE BASEMENT MEETING ROOM (SEE PLANS FOR DUCT DROP LOCATIONS AND TRANSITIONS). THE DUNNAGE SHOULD PROVIDE THE SUFFICIENT RAISED DUCTS [V.I.F.].
- TRANSITION THE CARRIER RETURN HIGH AND NARROW AIR INLET WITH A COMBINATION TRANSITION WITH EXPANSION WIDTH AT 22 1/2" AND DUCT HEIGHT CONTRACTION AT 20", BOTH BOTTOM & TOP, WITH DESIGN BASIS HORIZONTAL DUCT FOR S/A AT 36x16 AND AT 34x16 TO ALLOW FOR THE VERTICAL 30x16 S/A & R/A DROPS DOWN TO THE THRIFT SHOP AND THE FUTURE MEETING ROOM [CAPPED] AT BASEMENT (SEE PLANS FOR CONT'). SEE DWGS M2.02 & M2.04 FOR THE S/A & R/A RTU-M1 DUCT DROPS, AND DWG M2.05 FOR RTU-M1 DUCTS TO THE BASEMENT PARISH HALL. FIELD COORDINATE THE RESPECTIVE DUCT PLAN AND NON-FIRE RATED DUCT PENETRATIONS AT WALL.
- CONTRACTOR SHALL COORDINATE DATE AND TIME SCHEDULE FOR CLEARING AT BEACH ALLEY & REAR PARKING AND ENSURE CLEARANCE FROM THE BOROUGH TO ALLOW FOR BEACH ALLEY CLOSURE FOR CRANE PICK OF THE NEW RTU UNIT, TO THE LOW ROOF INDICATED ON THE PLANS.
- SEE DWG M3.03 FOR ZONE DAMPER BASIS OF DESIGN SCHEDULE [ZONEX SYSTEMS] FOR BOTH THE 1st FL PARISH CENTER SPACES, WITH BYPASS DAMPERS AND SYSTEM CONTROLS.
- PROVIDE EXTERIOR RTU DUCTWORK WITH ROOF STANDOFF SUPPORTS AND PROVIDE COMPLETE R-12 [3"] INSULATION AND ALUMINUM JACKETING THROUGHOUT AS DESCRIBED ON THE INSULATION NOTES ON DWG M1.01 (SEE ALSO DETAILS, DWG M3.01). MAINTAIN INSULATION AT THE SUPPORTS AND PROVIDE NOISE & VIBRATION ISOLATION PADS ACCORDINGLY AT THE SUPPORTS. SEE DWG M3.01 FOR ROOF DUCT PENETRATION ROOF CURB FOR THE DUCT DROPS INDICATED ON THE PART ROOF PLAN AND NON-FIRE RATED DUCT PENETRATIONS AT WALL.
- MECH CONTR SHALL COORDINATE WITH THE GEN CONTR & ARCHITECT FOR THE MASONRY WALL OPENINGS, GALVANIZED WALL SLEEVE, FOR THE DUCTWORK. MAINTAIN A MINIMUM 1/2" ANNULAR SPACE AND FILL WITH NON-SHRINK GROUT, TO WITHIN 1/2" OF EACH WALL SURFACE. PROVIDE UL-LISTED FIRE-STOPPING OR APPROVED SEALANT SYSTEM EQUAL TO THE WALL'S FIRE RESISTANCE RATING. FIELD COORDINATE FIELD LOCATIONS AND SIZES FOR THE SLEEVES. SEAL BOTH SIDES AIRTIGHT AND WATERTIGHT.



2 M2.01 PARISH CENTER : LOW ROOF & UPPER LEVEL SPACES- REFERENCE PLAN
1/16" = 1'-0"

F:\CAD Blocks\Title\CF Logo TB.jpg

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CONSULTANT

REVISIONS	DATE

NOTES:
CONTRACTOR REQUIRED TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING ALL WORK ON SITE. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ARCHITECT'S ATTENTION BEFORE ANY WORK IS ATTEMPTED.
DO NOT SCALE DRAWINGS.



PLAN
NORTH

ST. JOHN THE BAPTIST CATHOLIC CHURCH
502 FORD STREET
BRIDGEPORT, PA 19405

REGISTRATION:

PARISH HOUSE
1st FL HVAC
RENOVATIONS

SCALE: AS SHOWN	COMM #:
DATE: 4/1/26	DRAWN BY: djb
APPROVED BY:	

NEW RTU HVAC
PART PLAN &
NOTES

M2.01

FILE LOC.:

REVISIONS	DATE

NOTES:
CONTRACTOR REQUIRED TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING ALL WORK ON SITE. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ARCHITECT'S ATTENTION BEFORE ANY WORK IS ATTEMPTED.
DO NOT SCALE DRAWINGS.



ST. JOHN THE BAPTIST CATHOLIC CHURCH

502 FORD STREET
BRIDGEPORT, PA 19405

REGISTRATION:

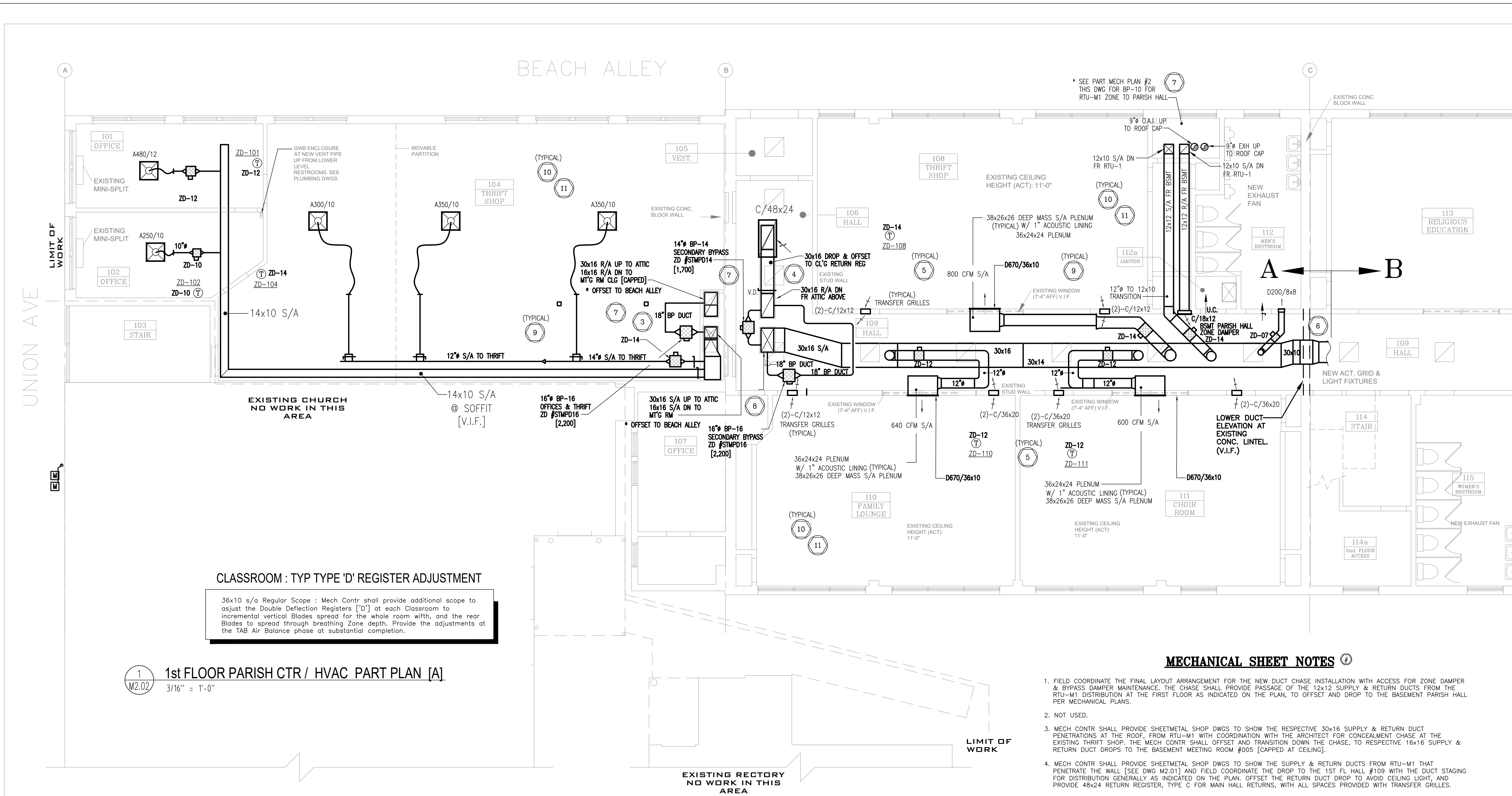
PARISH HOUSE
1st FL HVAC
RENOVATIONS

SCALE: AS SHOWN	COMM #:
DATE: 4/1/26	DRAWN BY: djb
APPROVED BY:	

1st FL HVAC PART
PLAN 'A'

M2.02

FILE LOC.:

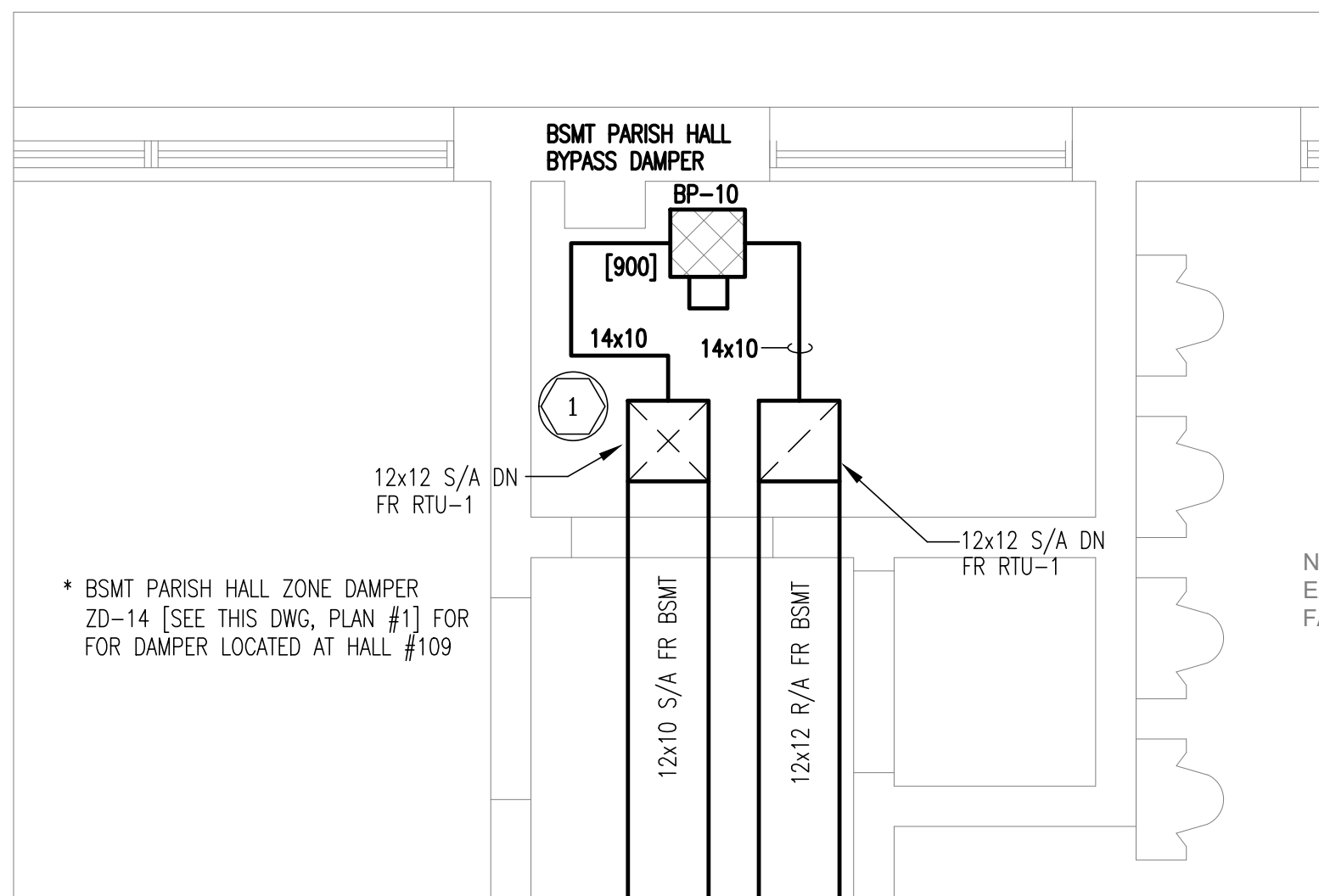


CLASSROOM : TYP TYPE 'D' REGISTER ADJUSTMENT

36x10 s/a Regular Scope : Mech Contr shall provide additional scope to adjust the Double Deflection Registers ["D"] at each Classroom to incremental vertical Blades spread for the whole room with, and the rear Blades to spread through breathing Zone depth. Provide the adjustments at the TAB Air Balance phase at substantial completion.

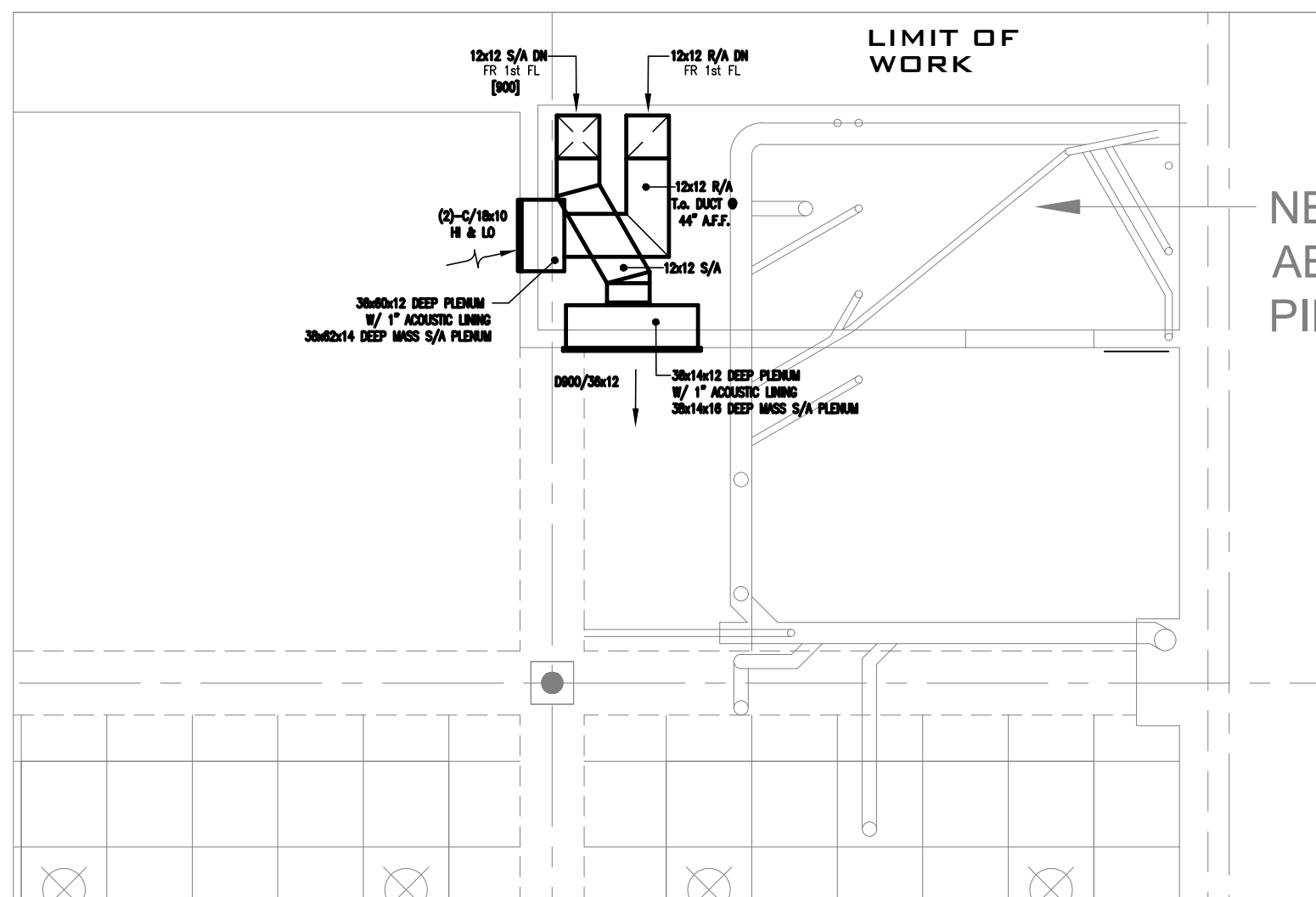
1 1st FLOOR PARISH CTR / HVAC PART PLAN [A]

3/16" = 1'-0"



2 1st FL DUCT CHASE/ PART MECHANICAL PLAN

3/16" = 1'-0"



3 BSMT PARISH HALL/ HVAC DISTRIBUTION [TEMPORARY]

3/16" = 1'-0"

MECHANICAL SHEET NOTES

- FIELD COORDINATE THE FINAL LAYOUT ARRANGEMENT FOR THE NEW DUCT CHASE INSTALLATION WITH ACCESS FOR ZONE DAMPER & BYPASS DAMPER MAINTENANCE. THE CHASE SHALL PROVIDE PASSAGE OF THE 12x12 SUPPLY & RETURN DUCTS FROM THE RTU-M1 DISTRIBUTION AT THE FIRST FLOOR AS INDICATED ON THE PLAN, TO OFFSET AND DROP TO THE BASEMENT PARISH HALL PER MECHANICAL PLANS.
- NOT USED.
- MECH CONTR SHALL PROVIDE SHEETMETAL SHOP DWGS TO SHOW THE RESPECTIVE 30x16 SUPPLY & RETURN DUCT PENETRATIONS AT THE ROOF, FROM RTU-M1 WITH COORDINATION WITH THE ARCHITECT FOR CONCEALMENT CHASE AT THE EXISTING THRIFT SHOP. THE MECH CONTR SHALL OFFSET AND TRANSITION DOWN THE CHASE, TO RESPECTIVE 16x16 SUPPLY & RETURN DUCT DROPS TO THE BASEMENT MEETING ROOM #005 [CAPPED AT CEILING].
- MECH CONTR SHALL PROVIDE SHEETMETAL SHOP DWGS TO SHOW THE SUPPLY & RETURN DUCTS FROM RTU-M1 THAT PENETRATE THE WALL [SEE DWG M2.01] AND FIELD COORDINATE THE DROP TO THE 1ST FL HALL #109 WITH THE DUCT STAGING FOR DISTRIBUTION GENERALLY AS INDICATED ON THE PLAN. OFFSET THE RETURN DUCT DROP TO AVOID CEILING LIGHT, AND PROVIDE 48x24 RETURN REGISTER, TYPE C FOR MAIN HALL RETURNS, WITH ALL SPACES PROVIDED WITH TRANSFER GRILLES.
- PROVIDE THE 1st FL PARISH CENTER SPACES WITH THE DUCTWORK DISTRIBUTION, CLOSELY COORDINATED WITH THE HALL [MATCH LINE A] STRUCTURE CONSTRAINTS, TO PROVIDE FOR THE COMPLETE RESPECTIVE SPACES BRANCH DUCTS, ZONE DAMPERS AND SLOT DIFFUSERS PER THE PLAN. COORDINATE ALL FRAMING MODIFICATIONS AT THE HALL WALLS TO FACILITATE THE TYPE 'D' SUPPLY REGISTERS AT ELEVATION VERIFIED WITH THE ARCHITECT IN THE FIELD. PROVIDE TRANSFER GRILLES WITH WALL SLEEVE FOR THE RESPECTIVE SPACES. PROVIDE ALL PROPOSED DUCTWORK AND BRANCH DISTRIBUTION SHEETMETAL SHOP DWGS FOR REVIEW AND APPROVAL, NOTING THE EXTENT OF FIELD ELEMENTS TO BE VERIFIED AND RESOLVED.
- THE DUCT IS INDICATED WITH GENERALLY A CENTRAL RUN AT THE HALL #109 ABOVE CEILING, TO MAKE PROVISION FOR THE ZONE DAMPER AND BRANCH TAKE-OFF DISTRIBUTION AND DIFFUSERS INSTALLATION TO PROVIDE AS EQUAL DEVELOPED SPACE AS POSSIBLE FOR EACH SIDE OF THE HALLWAY. THE MCH CONTR SHALL PROVIDE ALL FIELD EVALUATION FOR THE DUCT TRANSITION AS INDICATED ON THE PLAN, TO REDUCE AS REQUIRED TO TRAVERSE THE EXISTING CONCRETE LINTEL [V.I.F.]. SEE DWG M2.03 FOR HVAC SYSTEM CONTINUATION TO MATCH LINE 'B'.
- PROVIDE THE 30x16 HALL #109 AND THE BASEMENT PARISH HALL BYPASS DAMPERS AS INDICATED ON THE PLAN. THE BASEMENT HALL BYPASS DAMPER SHALL BE INSTALLED AT THE ACCESSIBLE CHASE (SEE PART CHASE MECH PLAN #2, THIS DWG). MECH CONTR SHALL PROVIDE THE HALL #109 HVAC DISTRIBUTION BYPASS DAMPERS AT THE HALL 30x16 S/A & R/A DUCT DROPS WITH PRIMARY & SECONDARY BYPASS DAMPERS AS INDICATED ON THE PLAN #1. MECH CONTR SHALL PROVIDE THE ZONE DAMPERS TO SERVICE THE EXISTING OFFICES AND THE THRIFT STORE, AS SHOWN. PROVIDE THE BYPASS DAMPER FOR THE 30x16 ROOF DUCT PENETRATION FOR AIRFLOW CONTROL FOR THE GROUPED OFFICES/THRIFT STORE.
- THE PROPOSED PRIMARY & SECONDARY BYPASS DAMPERS SHALL SERVICE AIRFLOW CONTROL FOR THE GROUPED HALL #109 HVAC DISTRIBUTION AND THE BASEMENT PARISH HALL HVAC DISTRIBUTION. PROVIDE THE LOCAL ZONE CONTROLS AT LOCATIONS TO BE VERIFIED AT EACH SPACE, IN THE FIELD. PROVIDE ALL ZONEX GEN V CONTROLLER- MICRO-CONTROLLER BASED WITH AUTO CHANGEOVER, VOTE BASED VOT SYSTEM CONTROLS. PROVIDE ALL LOCAL EZ7000V HUB THERMOSTAT CONTROLLER COMMUNICATING AND MODULATING THE RESPECTIVE SPACE CONDITIONS AND SETPOINTS. PROVIDE PROGRAMMING FOR THE RESPECTIVE BYPASS DAMPERS AS DESCRIBED ABOVE.
- MECH CONTR SHALL PROVIDE ALL ZONE DAMPER INFORMATION ON SHEETMETAL DUCTWORK SHOP DWGS WITH ALL SYSTEM SUBMITTALS AND ZONEX FACTORY COORDINATION FOR A COMPLETE AND OPERATIONAL ZONE DAMPER & BYPASS GLOBAL SYSTEM WITH ALL EFFECTIVE DAMPER MODULATION PARAMETERS, INCLUDING FULLY DYNAMIC BYPASS MODULATION AND STAGING. VERIFY SYSTEM OPTIMIZATION TO THE CONTINUOUSLY ADJUSTING AIRFLOW, BASED ON DEMAND AT THE BUILDING.
- THE BASIS OF SYSTEM DESIGN AND INTERFACE IS ZONEX GEN-V CONTROLLER AS STAND-ALONE OPERATION WITH ONBOARD SCHEDULING, SETPOINT CONTROL, BYPASS MODULATION AND SYSTEM DIAGNOSTICS. ASSUMES CARRIER CCN/ OPEN PROTOCOL CONTROL, WITH THE GEN-V CONTROLLER INTERFACE USING DRY CONTACT AND ANALOG SIGNALS. CONTROLS ARE NOT PREDICATED ON DIRECT PLATFORMS DIGITAL COMMUNICATIONS. WIRE ECONOMIZER ENABLE SIGNAL FEATURE PER THE MFG. THE RTU-M1 UNIT SHALL OPERATE WITH ITS CONTROL THERMOSTAT AND SHALL RESPOND AS STANDARD HVAC UNIT, WITH THE ZONEX GEN-V HANDLING ALL ZONING, STAGING AND SUPPLY-AIR LOGIC.
- PROVIDE ZONEX SYSTEM START-UP WITH CERTIFIED ZONEX FACTORY TECHNICIAN, AND PROVIDE ALL COMPLETE O&M MANUAL SUBMISSIONS, WITH THE CERTIFIED START-UP SYSTEM REPORT WITH ALL RESPECTIVE ZONEX SYSTEM COMMISSIONING. ANY MALFUNCTIONS, BUGS OR CONTROL GLITCHES SHALL BE CORRECTED AT THE TIME OF SUBSTANTIAL COMPLETION.