

Wes Moore
Governor

Aruna Miller
Lt Governor



Atif Chaudhry
Secretary

Nelson E. Reichart
Deputy Secretary

OFFICE OF DESIGN, CONSTRUCTION, & ENERGY

ADDENDUM # 3

Date: May 7, 2024

STATE OF MARYLAND
DEPARTMENT OF GENERAL SERVICES

Atif Chaudhry, Secretary

PROJECT NO.: SM-023-230-002
HSMC HVAC System in Chapel Exhibit
Historic St. Mary's City

This Addendum is issued to clarify, add to, delete from, correct and/or change the bid documents to the extent indicated and is hereby made a part of the said bid documents on which the construction contract will be based. Acknowledge receipt of the Addendum by inserting its number and date on the Invitation to Bid Form. Failure to acknowledge receipt of this Addendum may subject offer to disqualification. All questions should be addressed to the Procurement Officer, Justin Whitcome at justin.whitcome@maryland.gov.

This Addendum, #2, includes:

- Pre-Bid Question #1:
We are having issues with the architects files...the CD drawings. They were created as pdf's and they do not accurately allow us to measure at all and in some cases even read what is written. What we downloaded will only print out as 11 x 17 and we need to print them at a minimum as 24 x 36.
Answer: Two additional drawings have been attached for downloading and printing.

End of Addendum #3

Issued by:
State of Maryland
Office of State Procurement
301 W. Preston Street, Room M-7
Baltimore, MD 21201
Justin Whitcome



ARCHITECTURAL / STRUCTURAL / CIVIL CONSULTANTS:

WHITNEY, BAILEY, COX, MAGNANI, LLC / WBCM, LLC.

300 EAST JOPPA ROAD, SUITE 200
BALTIMORE, MARYLAND 21286
PHONE: (410) 512-4500
FAX: (410) 324-4100

HENRY ADAMS
Consulting Engineers

MECHANICAL, ELECTRICAL & PLUMBING ENGINEERS

ARCHITECT
15613



I HERE CERTIFY THAT THESE DRAWINGS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND
LICENSE#: 15613
EXPIRATION: 11/26/2024

ST. MARY'S CHAPEL
DESIGN AND INSTALL INTERPRETIVE ELEMENTS OF CHAPEL EXHIBIT AND ADD A/C
PROJECT NO: SM-023-230-002
16721 POINT LOOKOUT RD.,
ST. MARYS CITY, MD 20686
ST. MARYS COUNTY, MARYLAND

USING AGENCY APPROVAL

Name _____ Date _____

Title
DGS APPROVAL

Project Manager _____ Date _____

Chief of PM&D _____ Date _____

03/15/24 ISSUED FOR BID

MARK	DATE	DESCRIPTION
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CAD DWG FILE: -

DRAWN BY: DAKOTA ASH

CHK'D BY:

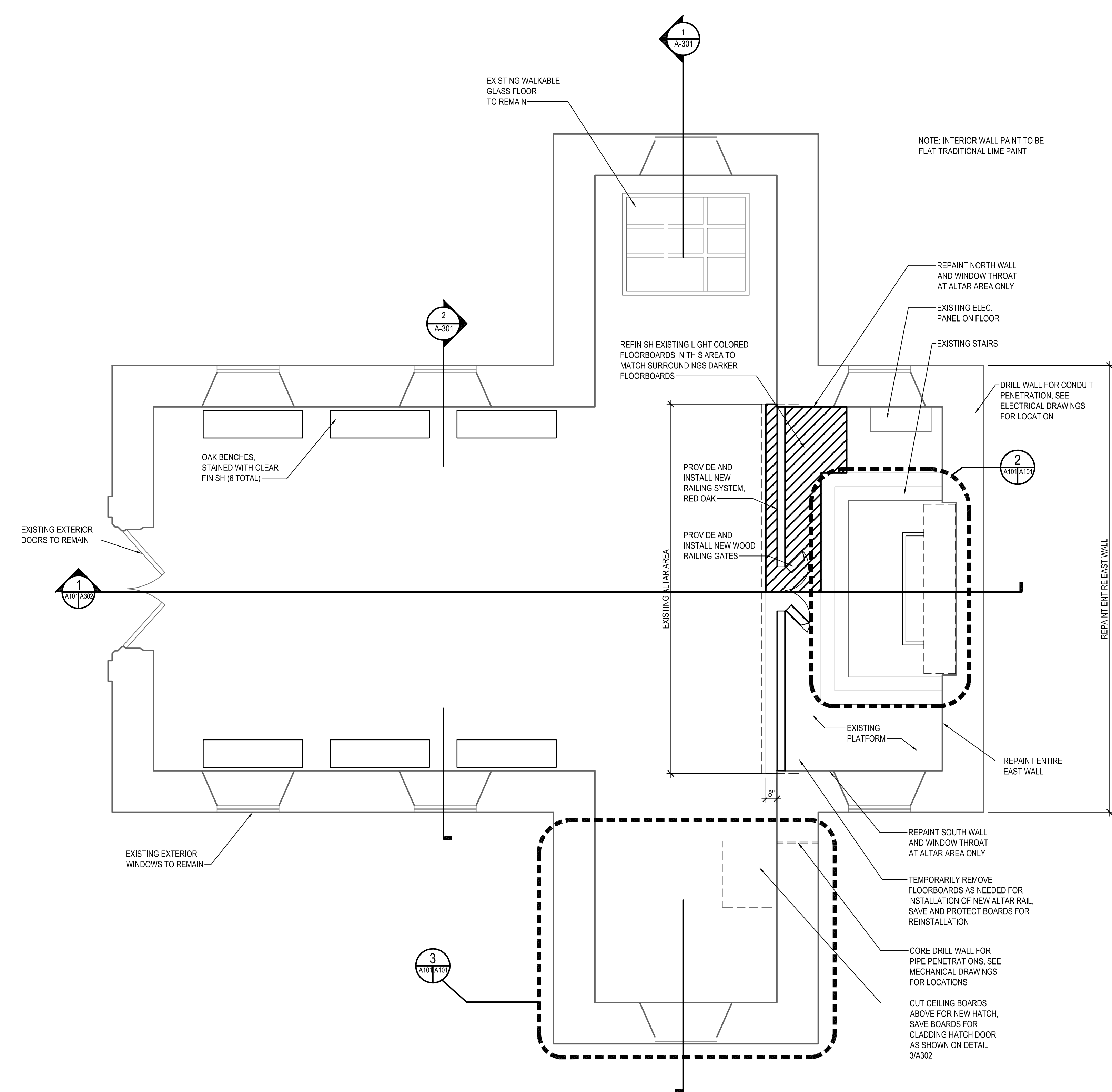
PROJECT No.: SM-023-230-002

DATE: 03/15/2024

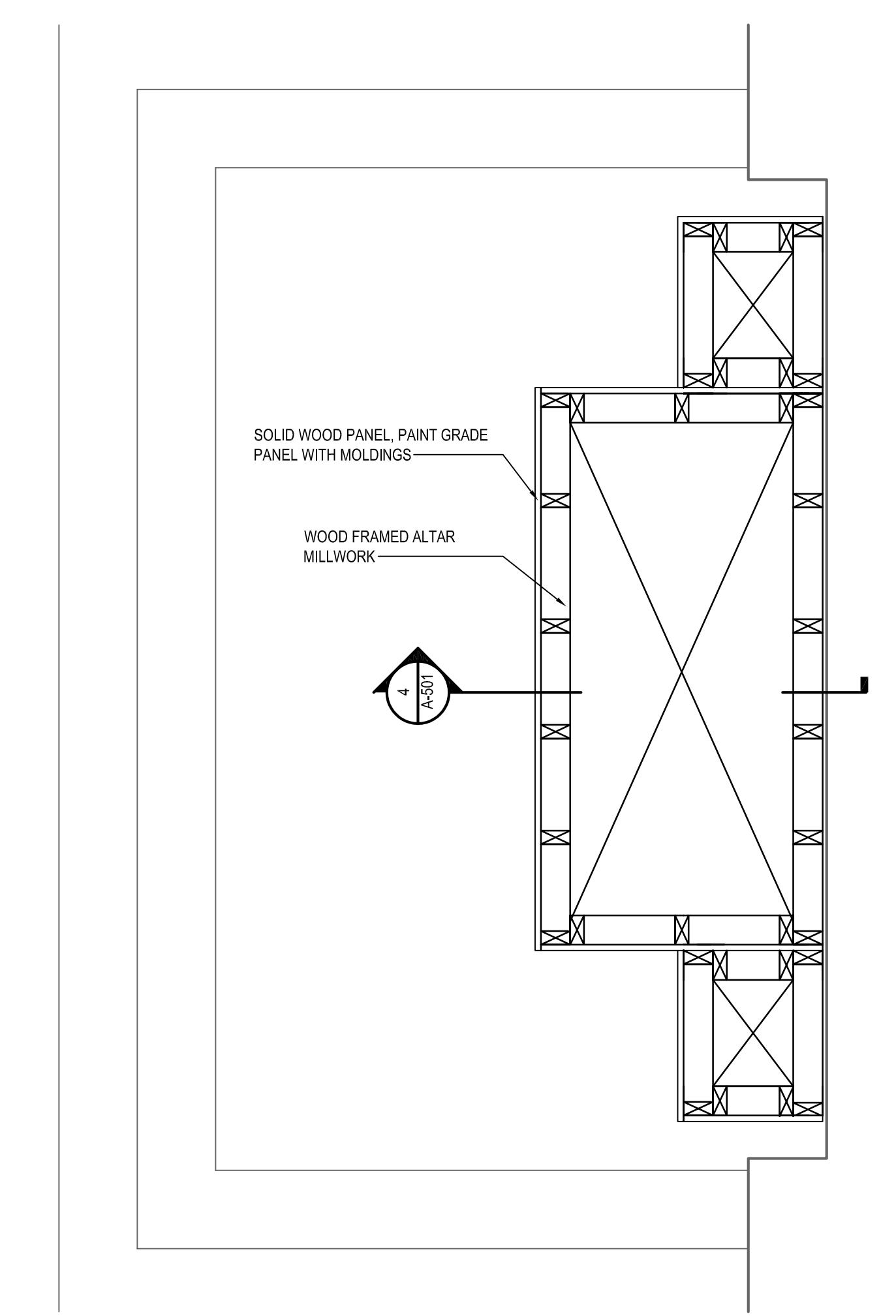
FLOOR PLANS

A101

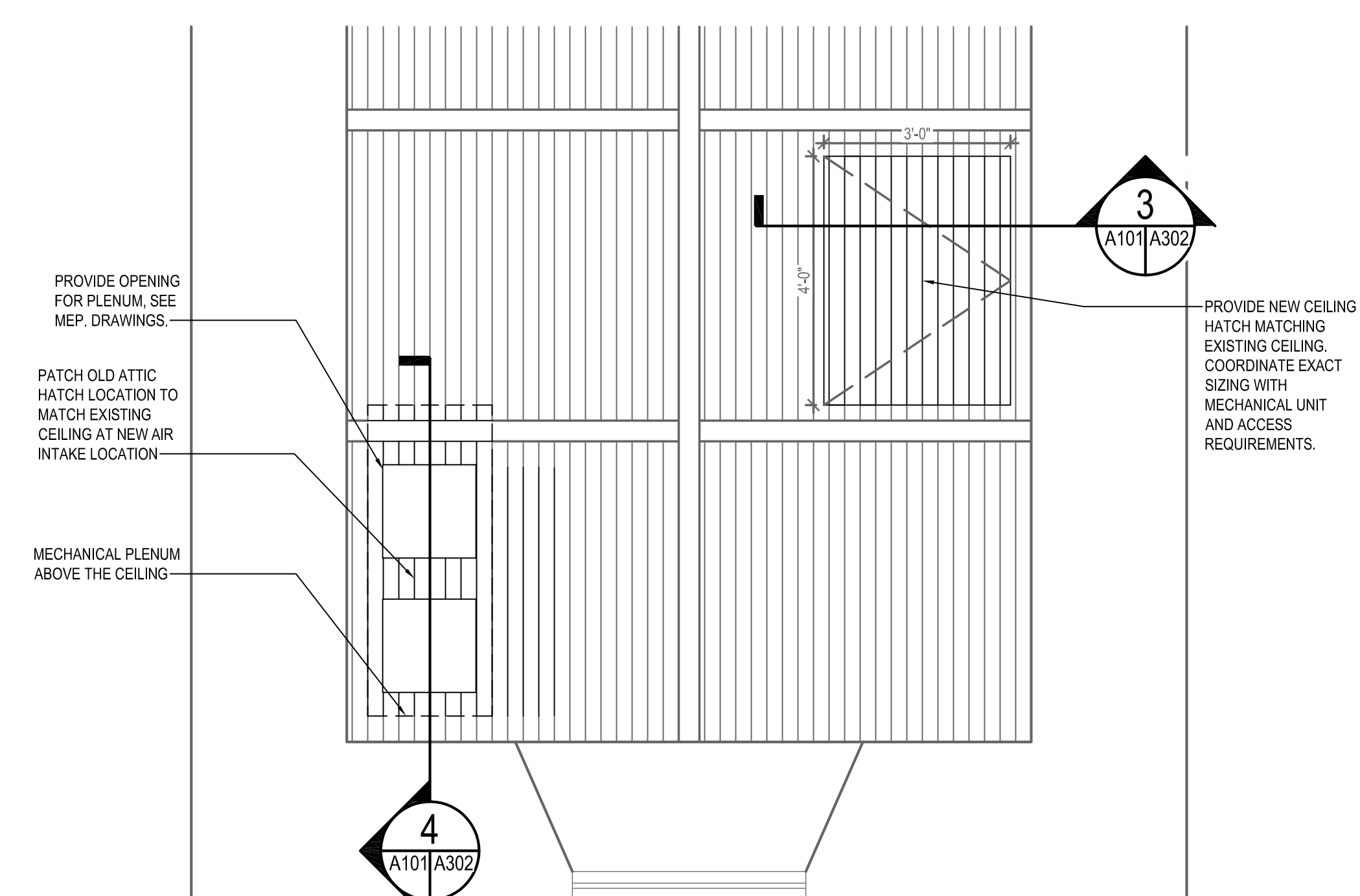
SHEET 02 OF 17



PROJECT NORTH
EXISTING GROUND FLOOR PLAN
SCALE: 1/4" = 1'-0"



ENLARGED ALTAR AREA
SCALE: 3/4" = 1'-0"



REFLECTED CEILING PLAN DETAIL
SCALE: 1/2" = 1'-0"

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DRAWN BY: DAKOTA ASH

CHK'D BY:

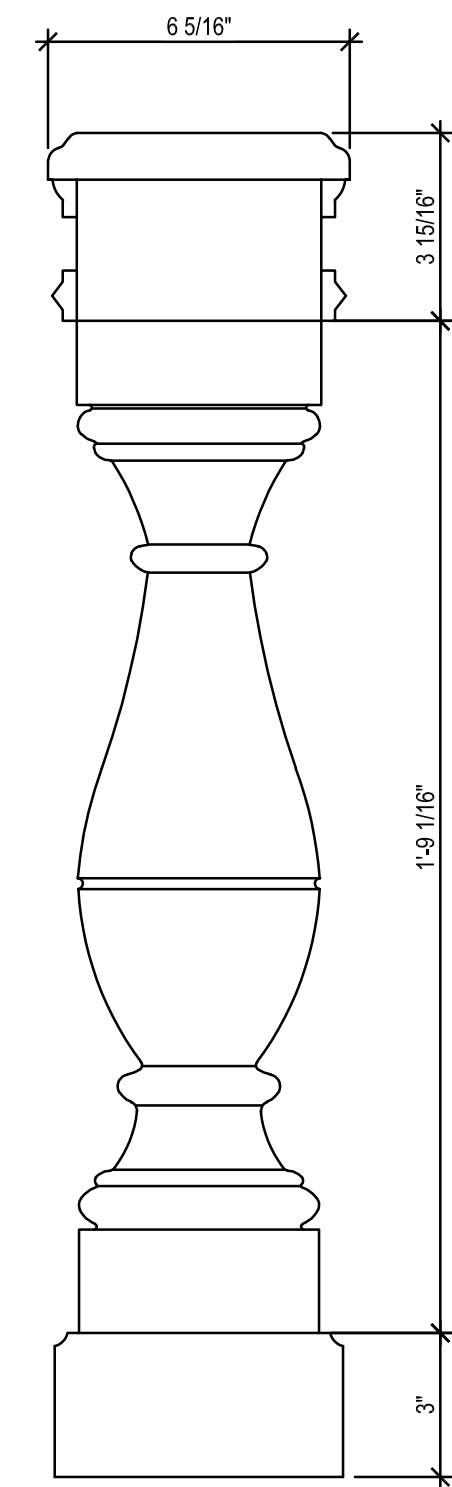
PROJECT No.: SM-023-230-002

DATE: 03/15/2024

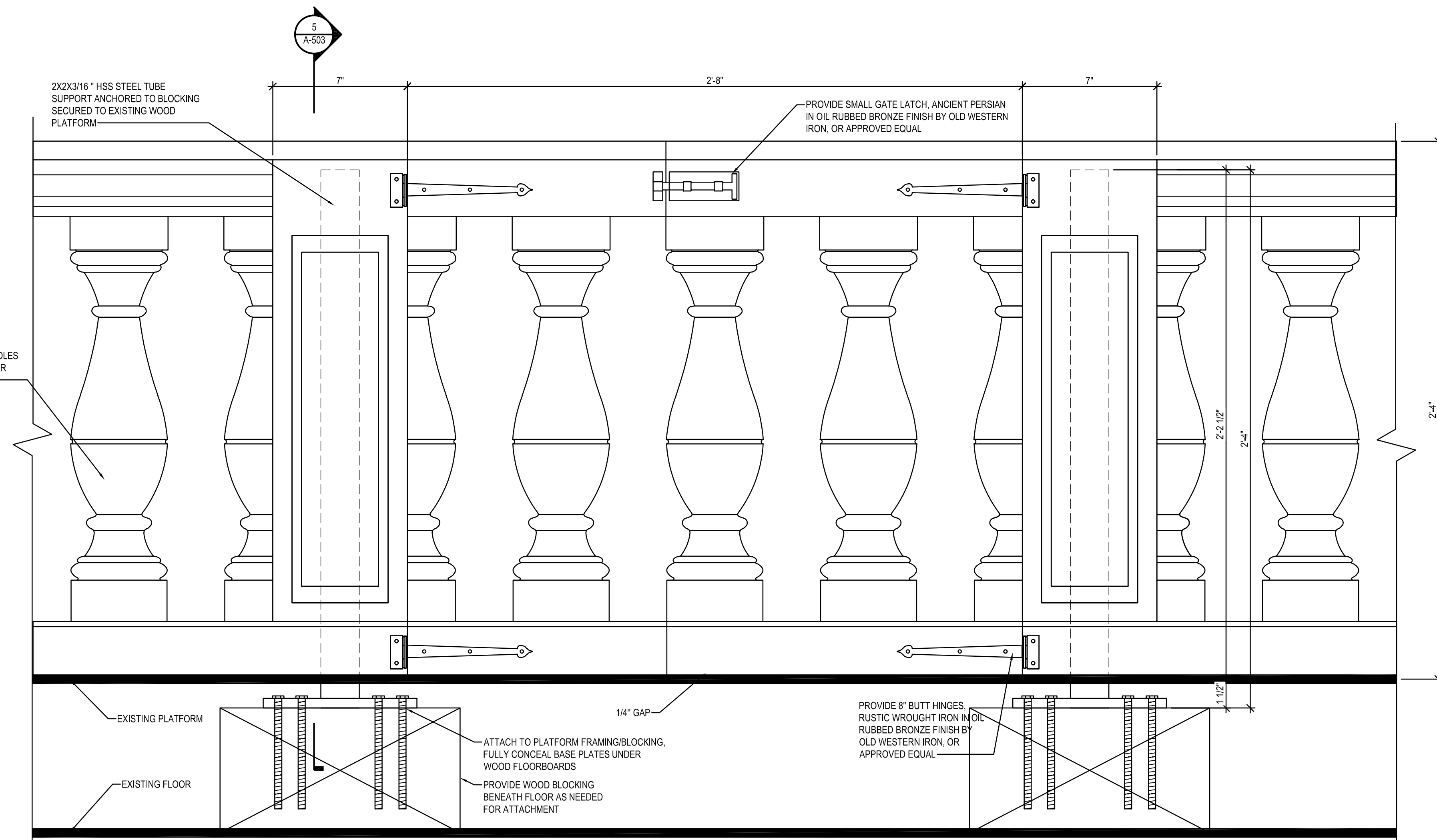
RAILING DETAILS

A501

SHEET 05 OF 18

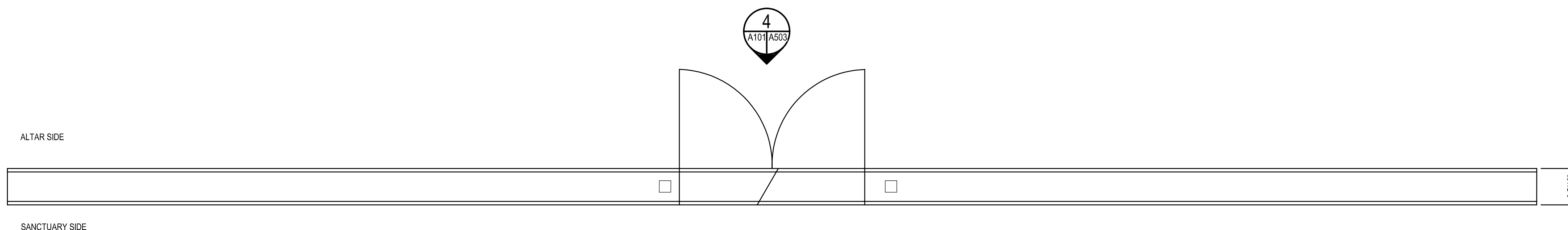


1 RAILING SECTION
SCALE: 3" = 1'-0"

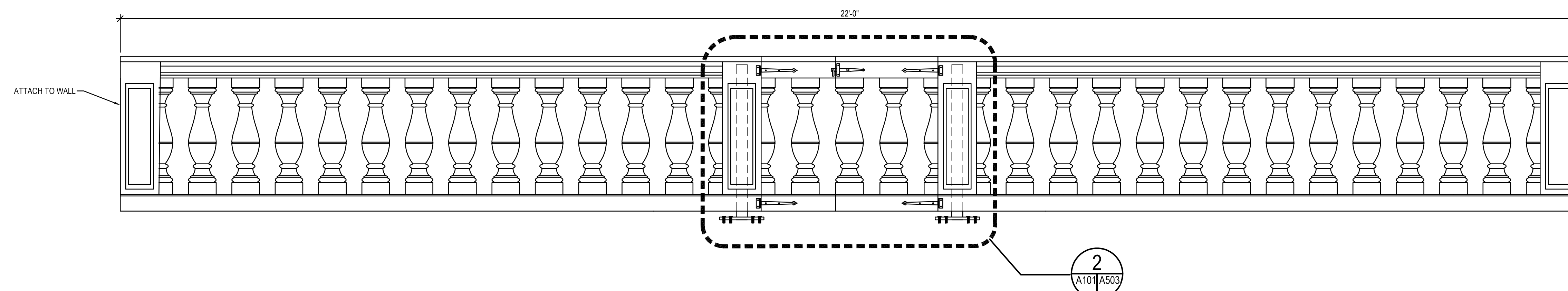


2 RAILING GATE DETAIL
SCALE: 3" = 1'-0"

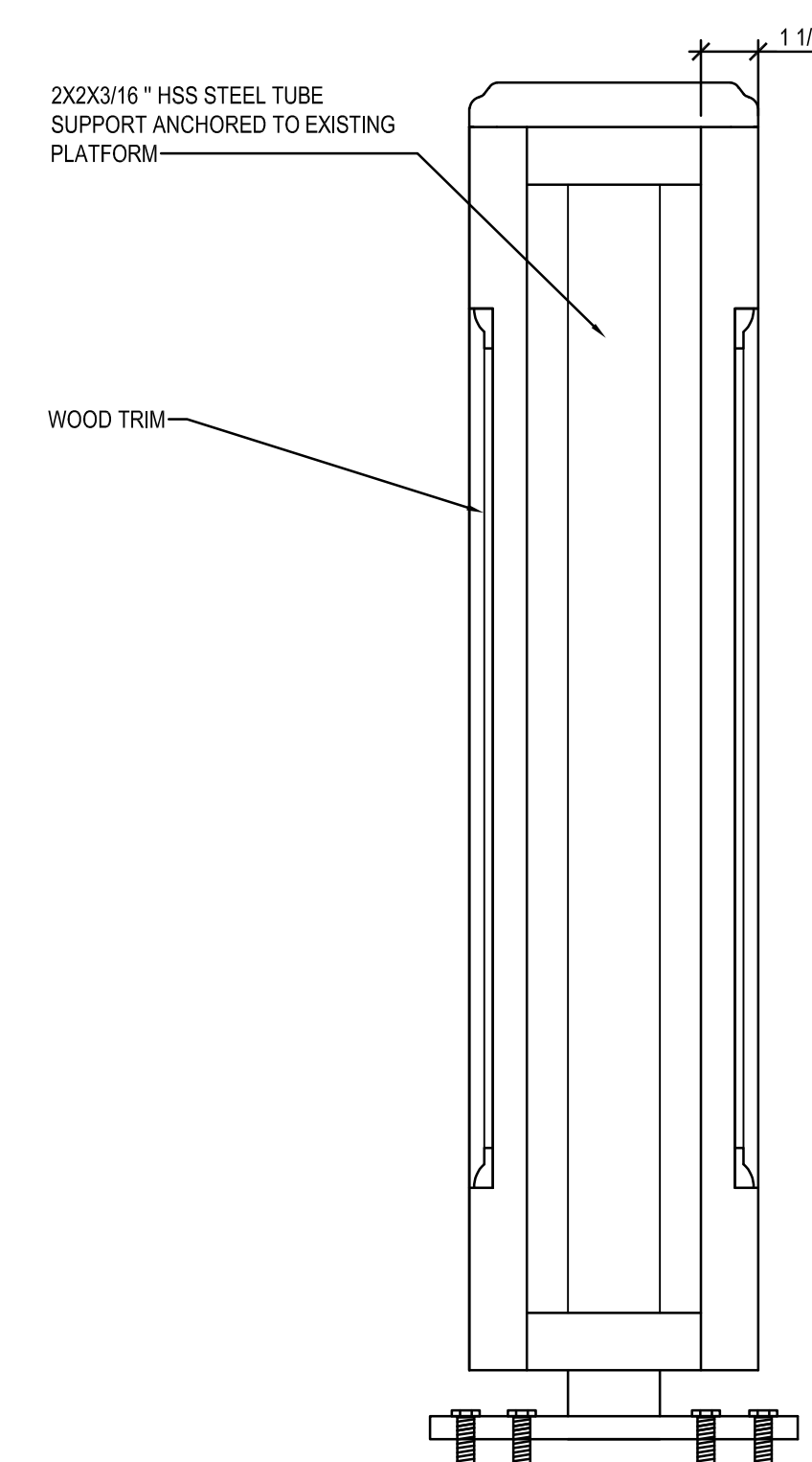
NOTE: CONTRACTOR SHALL PROVIDE DIMENSIONED SHOP DRAWINGS OF RAILING SHOWING PLANS, ELEVATIONS, SECTIONS, HARDWARE, ATTACHMENTS, AND CONSTRUCTION DETAILS.



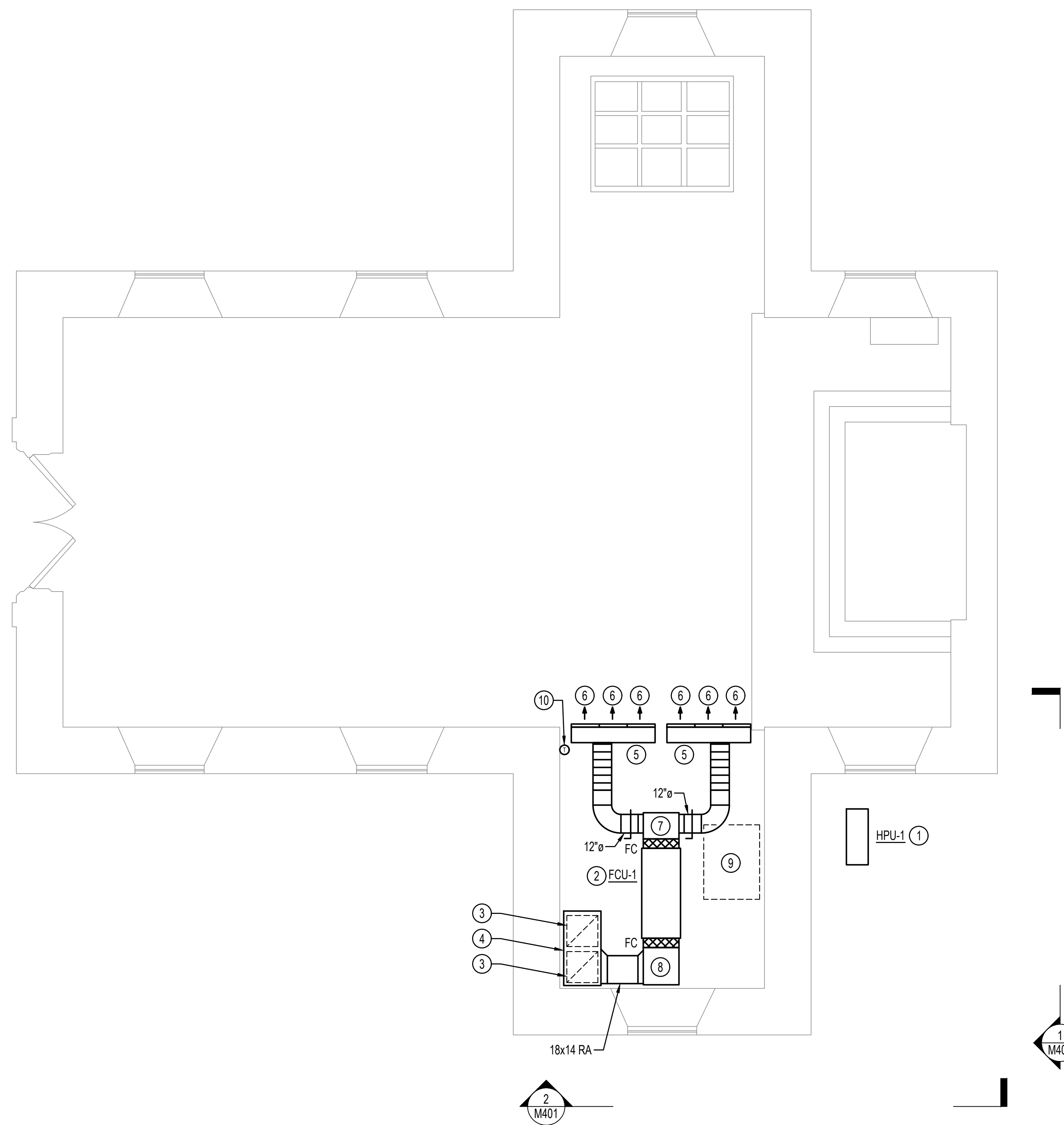
3 RAILING TOP DETAIL
SCALE: 1" = 1'-0"



4 RAILING DETAIL
SCALE: 1" = 1'-0"



5 RAILING SECTION
SCALE: 3" = 1'-0"



1 FIRST FLOOR - DUCTWORK - NEW WORK PLAN
 M101 1/4" = 1'-0"

DRAWING NOTES: (APPLICABLE TO THIS DRAWING ONLY)

1. EXISTING SHOWN WITH LIGHT WEIGHT LINE. ———
2. NEW WORK SHOWN WITH HEAVY WEIGHT LINE. ———
3. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. EXISTING CONDITIONS ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, OR THERE IS A QUESTION REGARDING SCOPE OF WORK OR LIMITS OF DISTURBANCE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.
4. UNLESS OTHERWISE NOTED, RUNOUTS TO DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER NECK SIZE.

SPECIAL NOTES: (APPLICABLE TO THIS DRAWING ONLY)

- ① MOUNT ON 4" HOUSEKEEPING PAD
- ② FCU-1 AND ASSOCIATED DUCTWORK LOCATED WITHIN ATTIC SPACE. MOUNT FROM ABOVE. PROVIDE SECONDARY DRAIN PAN BENEATH FCU.
- ③ 20x20 R-1. 900 CFM.
- ④ 48" L x 24" W x 18" H INSULATED PLENUM.
- ⑤ 54" L x 10" W x 12" H INSULATED PLENUM. 900 CFM
- ⑥ APPROX 18" LONG D-1 (THE DIFFUSER SHALL FIT BETWEEN THE EXISTING STUDS. VERIFY EXACT DIMENSION IN FIELD) WITH (5) 1" SLOTS. CONTRACTOR SHALL VERIFY IN FIELD IF EXISTING STUDS ARE LOAD BEARING. IF THEY ARE NOT LOAD BEARING MODIFY FRAMING AND USE A SINGLE 9 FT LONG D-1 IN LIEU OF THE MULTIPLE 18" LONG DIFFUSERS. LOCATE DIFFUSER IN BARREL VAULT CEILING AND MATCH STAINED WOOD.
- ⑦ 14" LONG INSULATED PLENUM. PLENUM SHALL BE 16" DEEP AND WIDTH SHALL MATCH WIDTH OF FCU CONNECTION.
- ⑧ 24" LONG INSULATED PLENUM. PLENUM SHALL BE 16" DEEP AND WIDTH SHALL MATCH WIDTH OF FCU CONNECTION.
- ⑨ 36" x 48" ATTIC HATCH
- ⑩ LOCATE THERMOSTAT AT THE SAME ELEVATION AS LIGHT SWITCHES

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 LICENSE NO.: 36608
 EXPIRATION DATE: 12/23/2025

ST. MARY'S CHAPEL
 DESIGN AND INSTALL
 INTERPRETIVE ELEMENTS OF
 CHAPEL EXHIBIT AND ADD A/C
 PROJECT NO: SM-023-230-002

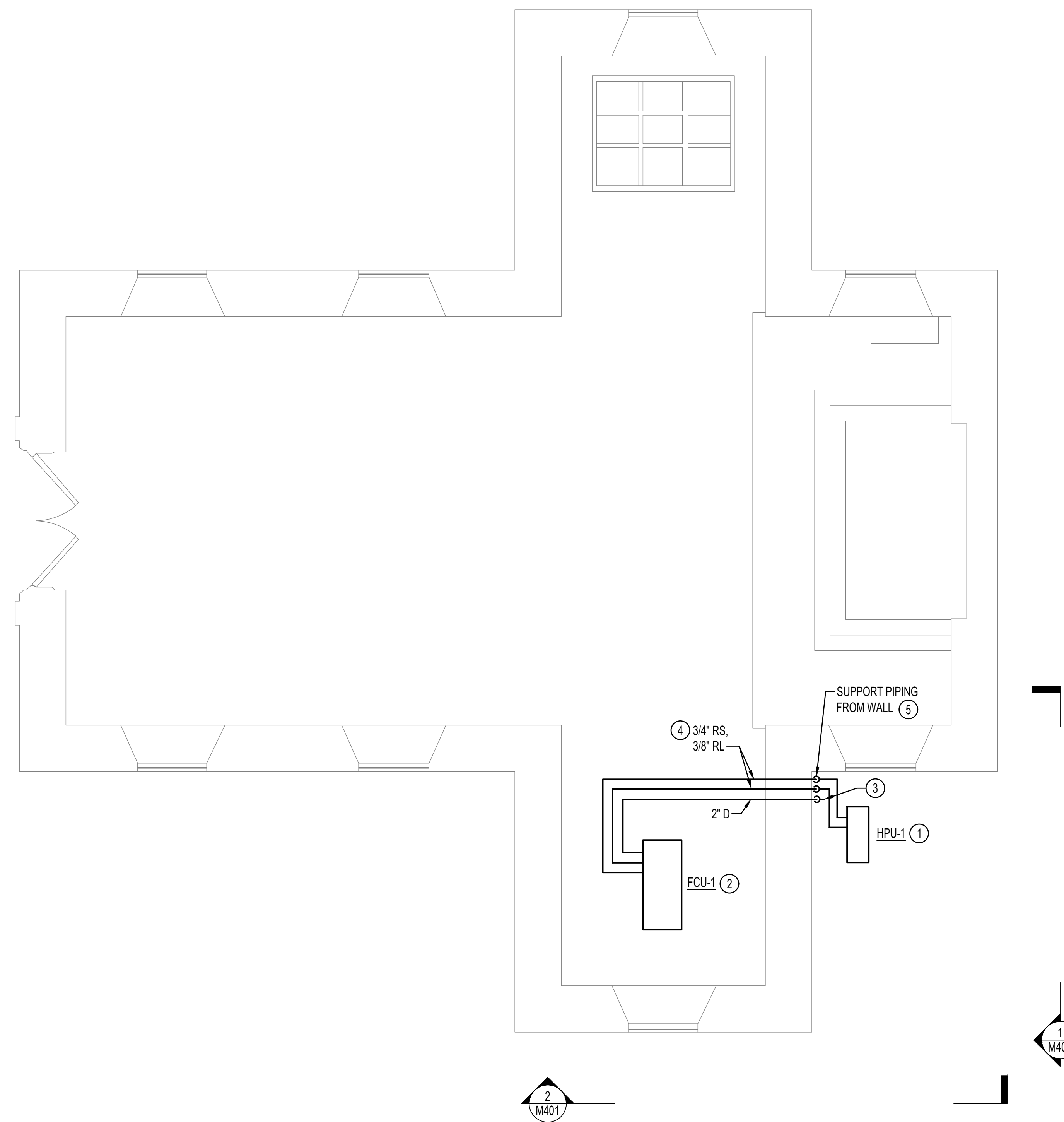
USING AGENCY APPROVAL

Name	Date
Title	DGS APPROVAL
Project Manager	Date
Chief of PM&D	Date

03/15/24	ISSUED FOR BID	
MARK	DATE	DESCRIPTION

CAD DWG FILE: -
 DRAWN BY: MAV
 CHK'D BY: CEL
 PROJECT No.: SM-023-230-002
 DATE: 03/15/2024

FIRST FLOOR - DUCTWORK -
 NEW WORK PLAN



1 FIRST FLOOR - MECHANICAL PIPING - NEW WORK PLAN
 M201 1/4" = 1'-0"

DRAWING NOTES: (APPLICABLE TO THIS DRAWING ONLY)

- EXISTING SHOWN WITH LIGHT WEIGHT LINE. ———
- NEW WORK SHOWN WITH HEAVY WEIGHT LINE. ———
- INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. EXISTING CONDITIONS ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, OR THERE IS A QUESTION REGARDING SCOPE OF WORK OR LIMITS OF DISTURBANCE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.
- PATCH, FINISH, AND PAINT ANY WALLS FROM CORNER TO CORNER THAT ARE OPENED UP FOR INSTALLATION OF NEW WIRING, DUCTWORK, PIPING, ETC. MATCH EXISTING FINISH.

SPECIAL NOTES: (APPLICABLE TO THIS DRAWING ONLY)

- MOUNT ON 4" HOUSEKEEPING PAD
- FCU-1 AND ASSOCIATED PIPING LOCATED WITHIN ATTIC SPACE. MOUNT FROM ABOVE.
- TERMINATE 2" D 6" ABOVE FINISHED GRADE WITH ELBOW DN
- ASSOCIATED EQUIPMENT MANUFACTURER SHALL CONFIRM FINAL PIPE SIZES
- PROVIDE PENETRATION OUTLET EQUAL TO AIREX PROSYSTEM KIT MODEL TGS AT PIPE PENETRATIONS THROUGH WALL.

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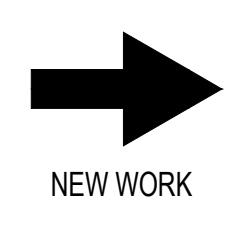
FIRST FLOOR - MECHANICAL PIPING - NEW WORK PLAN

M201

SHEET 10 OF 17

EX LOAD CENTER (DEMOLITION)										BUS AMPACITY: 200A MAIN TYPE: 200A MCB SERVICE: 120/240 VOLTS, 1 PHASE, 3 WIRE MIN. RATING OF MCB: 10K AIC RMS SYMMETRICAL AMPS										MOUNTING: FLUSH ENCLOSURE: NEMA 1 LOCATION: ALTAR FLOOR									
L.S.	LOAD DESCRIPTION	NOTE	CKT BREAKER			WIRE AND CONDUIT		WIRE AND CONDUIT		CKT BREAKER			NOTE	LOAD DESCRIPTION	L.S.														
			P	TA	AUX	AUX	TA	P	AUX	TA	P																		
1	EX NORTH TRANCEPT EAST WALL LIGHTS	-	1	20	-	EXISTING	EXISTING	-	20	1	-	EX NORTH TRANCEPT WEST WALL TV	2																
3	EX COFFIN PIT	-	1	20	-	EXISTING	EXISTING	-	20	1	-	EX NORTH WALL PULPIT	4																
5	EX NORTH WALL 220V	-	2	30	-	EXISTING	EXISTING	-	20	1	-	EX SOUTH WALL WEST CORNER	6																
7	-	-	-	-	-	EXISTING	EXISTING	-	30	2	-	EX SOUTH WALL 220V	8																
9	EX NORTH WALL WEST CORNER	-	1	20	-	EXISTING	EXISTING	-	-	-	-	-	10																
11	EX SOUTH TRANCEPT EAST WALL	-	1	20	-	EXISTING	EXISTING	-	20	1	-	EX SOUTH WALL INSIDE CORNER	12																
13	EX SOUTH TRANCEPT WEST WALL	-	1	20	-	EXISTING	EXISTING	-	20	1	-	EX OUTSIDE RECEPTACLE	14																
15	EX RECEPTACLE	-	2	30	-	EXISTING	EXISTING	-	20	1	-	EX OUTSIDE RECEPTACLE	16																
17	-	-	-	-	-	EXISTING	EXISTING	-	-	-	-	RX SPACE	18																
19	EX RECEPTACLE	-	2	30	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	20																
21	-	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	22																
23	RX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	24																
25	RX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	26																
27	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	28																
29	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	30																
31	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	32																
33	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	34																
35	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	36																
37	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	38																
39	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	40																
41	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	42																

- AUXILIARIES
- | | | | |
|-----------------------|------------------|--|--|
| a AFCI BREAKER | h HANDLE PADLOCK | <input checked="" type="checkbox"/> GROUND BUS | <input type="checkbox"/> SPLIT BUS |
| b GFCI BREAKER (5mA) | i HANDLE CLAMP | 1 SERVICE ENTRANCE LABEL | <input type="checkbox"/> FEED THRU LUGS |
| c GFEP BREAKER (30mA) | j RED CB HANDLE | <input type="checkbox"/> INTEGRAL SPD/TVSS | <input type="checkbox"/> SUB FEED LUGS |
| d SHUNT TRIP BREAKER | | <input type="checkbox"/> 200% NEUTRAL BUS & LUGS | <input type="checkbox"/> OFFSET INTERIOR / RISER PANEL |
| | | <input type="checkbox"/> ISOLATED GROUND BUS | |



EX LOAD CENTER (NEW WORK)										BUS AMPACITY: 200A MAIN TYPE: 200A MCB SERVICE: 120/240 VOLTS, 1 PHASE, 3 WIRE MIN. RATING OF MCB: 10K AIC RMS SYMMETRICAL AMPS										MOUNTING: FLUSH ENCLOSURE: NEMA 1 LOCATION: ALTAR FLOOR									
L.S.	LOAD DESCRIPTION	NOTE	CKT BREAKER			WIRE AND CONDUIT		WIRE AND CONDUIT		CKT BREAKER			NOTE	LOAD DESCRIPTION	L.S.														
			P	TA	AUX	AUX	TA	P	AUX	TA	P																		
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17	-	-	-	-	-	EXISTING	EXISTING	-	-	-	-	RX SPACE	18																
19	EX RECEPTACLE	-	2	30	-	EXISTING	EXISTING	-	20	1	-	EX SPACE	20																
21	-	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	22																
23	HPU-1	-	1	2	35	-	2#10#10GWI IN 3/4" C	-	-	-	-	EX SPACE	24																
25	-	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	26																
27	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	28																
29	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	30																
31	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	32																
33	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	34																
35	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	36																
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39	EX SPACE	-	-	-	-	EXISTING	EXISTING	-	-	-	-	EX SPACE	40																
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| | | <input type="checkbox"/> ISOLATED GROUND BUS | |

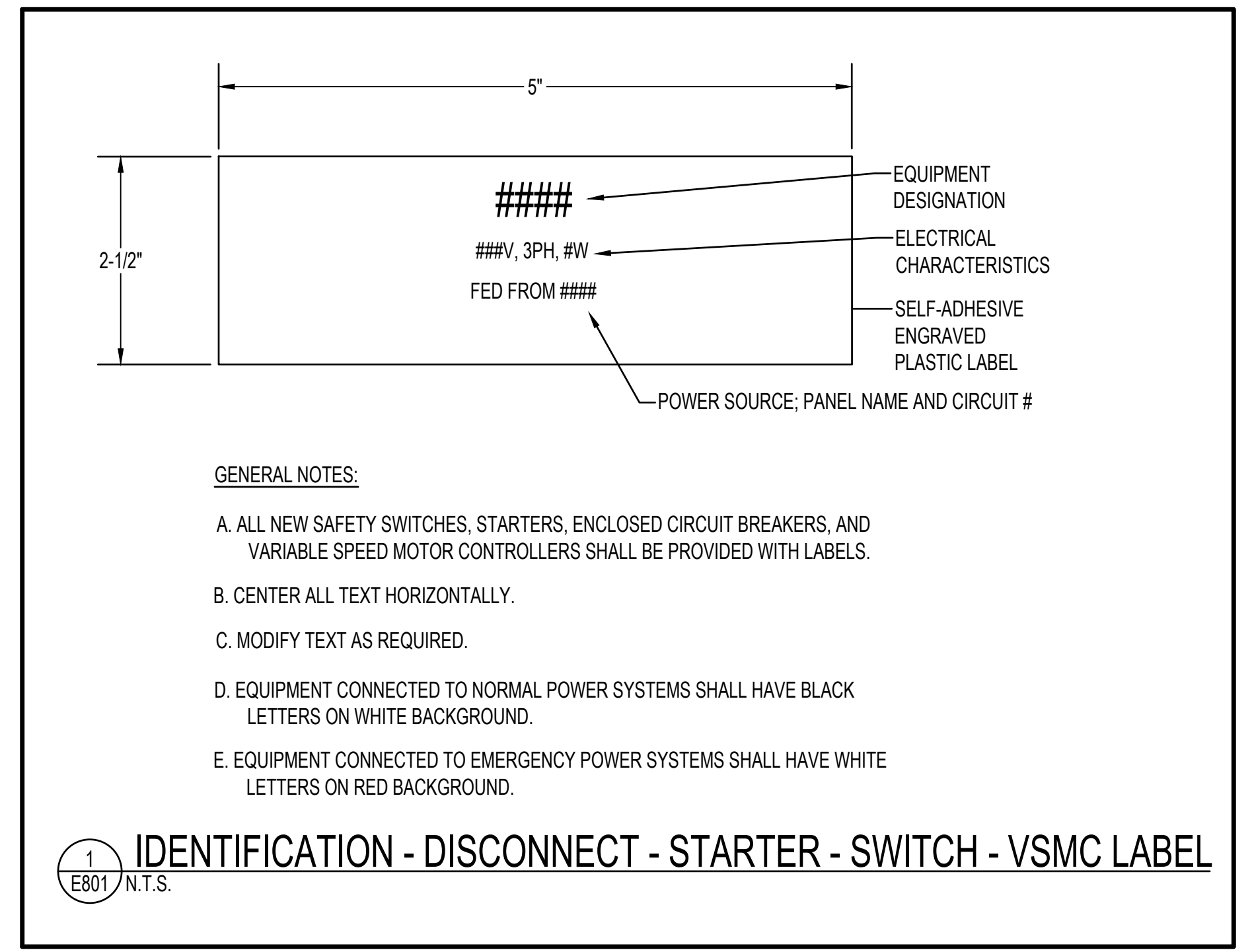
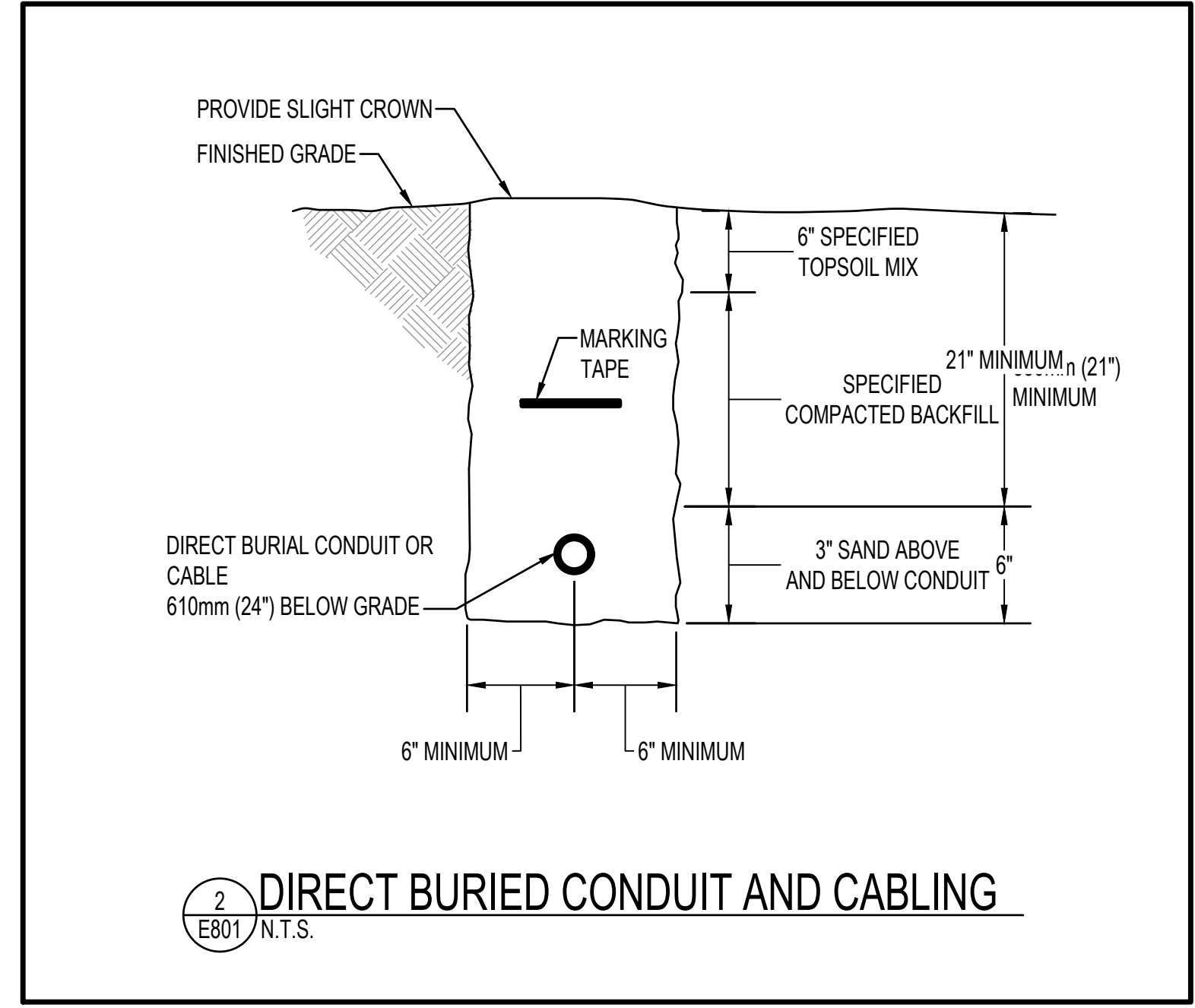
NOTES: (APPLICABLE TO PANELBOARD SCHEDULE ONLY)
1. PROVIDE NEW CIRCUIT BREAKER IN EXISTING AVAILABLE SPACE(S). MATCH EXISTING PANELBOARD MANUFACTURER, TYPE, AND AIC RATING.

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE												
EQUIPMENT DESIGNATION	KW	HP	MCA	MOCP	FLA	VOLTAGE	PHASE	LOAD (KVA)	WIRING & CONDUIT	DISCONNECTING MEANS	CONTROL MEANS	NOTES
HPU-1	-	-	29.1	35	23.2	240	1	5.57	See schedule for Ex Load Center (New Work), Circuit 23, 25	DS-HPU-1	BY MECHANICAL	1,2
FCU-1	-	-	8.6	15	6.88	240	1	1.65	See schedule for Ex Load Center (New Work), Circuit 18	DS-FCU-1	BY MECHANICAL	1,2

NOTES: (APPLICABLE TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE ONLY)
1. REVIEW EQUIPMENT SUBMITTALS FROM OTHER TRADES PRIOR TO ORDERING OR INSTALLING ASSOCIATED ELECTRICAL WORK. ELECTRICAL CONTRACTOR SHALL MODIFY COMPONENTS OF THE ELECTRICAL CONNECTIONS AS NECESSARY TO MATCH NAMEPLATE DATA OF APPROVED EQUIPMENT AND PROVIDE A CODE COMPLIANT INSTALLATION, INCLUDING BUT NOT LIMITED TO CIRCUIT BREAKERS, WIRE, CONDUITS, CONNECTION TYPES, SWITCHES, AND FUSES. CHANGE ORDERS AND EXTRAS WILL NOT BE AWARDED FOR FAILURE TO COORDINATE WITH OTHER TRADES' EQUIPMENT SUBMITTALS.
2. PROVIDE NECESSARY SUPPORTING STRUT CHANNEL AND ALL MISCELLANEOUS HARDWARE FOR MOUNTING ELECTRICAL EQUIPMENT. MAINTAIN NEC WORKING CLEARANCES. FIELD COORDINATE EXACT LOCATIONS. DO NOT MOUNT ON EQUIPMENT ACCESS PANELS OR IN EQUIPMENT MANUFACTURERS' RECOMMENDED MAINTENANCE CLEARANCES. COORDINATE EXACT LOCATION OF SAFETY SWITCHES WITH MECHANICAL EQUIPMENT CONTRACTOR.

DISCONNECT SWITCH SCHEDULE							
DESIGNATION	AMP RATING	POLES	VOLT RATING	FUSE AMPS	FUSE CLASS	NEMA ENCLOSURE	NOTES
DS-HPU-1	60	2	240	35	RR-5	4X	2,4
DS-FCU-1	20	2	240	-	-	TOGGLE SWITCH	-

NOTES: (APPLICABLE TO DISCONNECT SWITCH SCHEDULE ONLY)
1. PROVIDE FUSE AND COORDINATE EXACT EQUIPMENT FUSE SIZE WITH MOTOR OR EQUIPMENT NAMEPLATE DATA DURING CONSTRUCTION.
2. ALL DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE WITH GROUND LUG.
3. PROVIDE ALL FUSIBLE DISCONNECT SWITCHES WITH CLASS R FUSE KIT.
4. LABEL DISCONNECT SWITCHES WITH THE DESIGNATION IDENTIFIED IN THIS SCHEDULE AND THE CIRCUIT NUMBER AND PANELBOARD FROM WHICH IT IS FED, INCLUDING VOLTAGE AND PHASE.



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HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.: 51082
EXPIRATION DATE: 06/07/2025

ST. MARY'S CHAPEL
DESIGN AND INSTALL
INTERPRETIVE ELEMENTS OF
CHAPEL EXHIBIT AND ADD A/C
PROJECT NO: SM-023-230-002

USING AGENCY APPROVAL

Name	Date
Title	DGS APPROVAL
Project Manager	Date
Chief of PM&D	Date

03/15/24	ISSUED FOR BID
----------	----------------

MARK	DATE	DESCRIPTION
CAD DWG FILE: -		
DRAWN BY: ZAJ		
CHKD BY: JLW		
PROJECT No.: SM-023-230-002		
DATE: 03/15/2024		

ELECTRICAL SCHEDULES AND DETAILS
E801
SHEET 17 OF 17

ST. MARY'S CHAPEL

HISTORIC ST. MARY'S CITY COMMISSION

DESIGN AND INSTALL INTERPRETIVE ELEMENTS OF

CHAPEL EXHIBIT AND ADD A/C

PROJECT NO: SM-023-230-002

ARCHITECTURAL / STRUCTURAL / CIVIL CONSULTANTS:
WHITNEY, BAILEY, COX, MAGNANI, LLC / WBCM, LLC.
 300 EAST JOPPA ROAD, SUITE 200
 BALTIMORE, MARYLAND 21286
 PHONE: (410) 512-4500
 FAX: (410) 324-4100

HENRY ADAMS
 Mechanical Engineering
 Mechanical, Electrical & Plumbing Engineers



I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSEE: 15613
 EXPIRATION: 11/02/2024

ST. MARY'S CHAPEL
 DESIGN AND INSTALL INTERPRETIVE ELEMENTS OF CHAPEL EXHIBIT AND ADD A/C
 PROJECT NO: SM-023-230-002
 16721 POINT LOOKOUT RD., ST. MARYS CITY, MD 20686
 ST. MARYS COUNTY, MARYLAND
 USING AGENCY APPROVAL

ARCHITECTURAL CONSULTANT
WHITNEY, BAILEY, COX, MAGNANI, LLC.
 300 EAST JOPPA ROAD, SUITE 200
 BALTIMORE, MARYLAND 21286
 PHONE: (410) 512-4500
 FAX: (410) 324-4100

MECHANICAL, ELECTRICAL, PLUMBING ENGINEERING CONSULTANT
HENRY ADAMS
 600 BALTIMORE AVENUE
 TOWSON, MARYLAND 21284
 PHONE: (410) 296-6500
 FAX: (410) 296-6591



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 EXPIRATION: 11/02/2024



VICINITY MAP



LOCATION MAP
 16721 POINT LOOKOUT RD.,
 ST. MARYS CITY, MD 20686
 ST. MARYS COUNTY, MARYLAND

USING AGENCY APPROVAL

NAME: *Isabel...* DATE: *3/26/24*

TITLE: *Director of Facilities & Grounds*

DGS APPROVAL

PROJECT MANAGER: *Charles Davidson* DATE: *3/18/24*

CHIEF OF PM&D: *[Signature]* DATE: *03/25/2024*

DEPARTMENT OF GENERAL SERVICES
 ATIF CHAUDHRY, SECRETARY
 ROOM 1405
 301 WEST PRESTON STREET
 BALTIMORE, MARYLAND 21201

BOARD OF PUBLIC WORKS
 WES MOORE, GOVERNOR
 BROOKE LIERMAN, COMPTROLLER
 DERECK DAVIS TREASURER

USING AGENCY
 Historic St. Mary's City Commission
 18751 Hogaboom Lane
 St Marys City, MD 20686

DWG. NO.	SHEET NO.	SHEET TITLE
GENERAL		
G101	1	COVER SHEET
ARCHITECTURAL		
A1101	2	OVERALL FLOOR PLAN
A1011	3	SECTIONS
A1002	4	SECTIONS AND DETAILS
A1015	5	CEILING DETAILS
A1022	6	BENCH DETAILS
A1033	7	RAILING DETAILS
MECHANICAL		
M1001	8	MECHANICAL TOWER SHEET
M1011	9	FLOOR PLAN - ELECTROWIRE
M1012	10	FLOOR PLAN - MECHANICAL PIPING
M1001	11	MECHANICAL SECTIONS
M1011	12	MECHANICAL DETAILS
M1001	13	MECHANICAL SCHEDULES AND CONTROLS
ELECTRICAL		
E1011	14	ELECTRICAL COVER SHEET
E1011	15	FLOOR PLANS - POWER & NEW WIRING
E1011	16	ELEVATIONS - POWER & NEW WIRING
E1001	17	ELECTRICAL SCHEDULES AND DETAILS

APPLICABLE CODES
2018 INTERNATIONAL BUILDING CODE (IBC)
2018 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) NFPA 1 (FIRE CODE) & NFPA 101 (LIFE SAFETY CODE)
2018 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) NFPA 54 (LPG GAS CODE)
2011 SEDIMENT CONTROL ORDINANCE
2015 NATIONAL STANDARD PLUMBING CODE (NSPC) CODE EVALUATION BASED ON 2018 INTERNATIONAL PLUMBING CODE (IPC)
2011 NATIONAL ELECTRICAL CODE (NEC)
2018 INTERNATIONAL ENERGY CODE
MARYLAND ACCESSIBILITY CODE: IMC 2112 COMAR 05.02.02
2019 DGS PROCEDURE MANUAL

Name: _____ Date: _____

Title: **DGS APPROVAL**

Project Manager: _____ Date: _____

Chief of PM&D: _____ Date: _____

MARK	DATE	DESCRIPTION
	03/15/24	ISSUED FOR BID

CAD DWG FILE: -

DRAWN BY: DAKOTA ASH

CHKD BY:

PROJECT No.: SM-023-230-002

DATE: 03/15/2024

COVER SHEET

G101

SHEET 01 OF 17

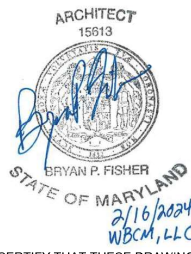
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16721 POINT LOOKOUT RD.,
ST. MARYS CITY, MD 20686
ST. MARYS COUNTY, MARYLAND

USING AGENCY APPROVAL

Name _____ Date _____

Title **DGS APPROVAL**

Project Manager _____ Date _____

Chief of PM&D _____ Date _____

03/15/24 ISSUED FOR BID

MARK	DATE	DESCRIPTION

CAD DWG FILE: -

DRAWN BY: DAKOTA ASH

CHKD BY: _____

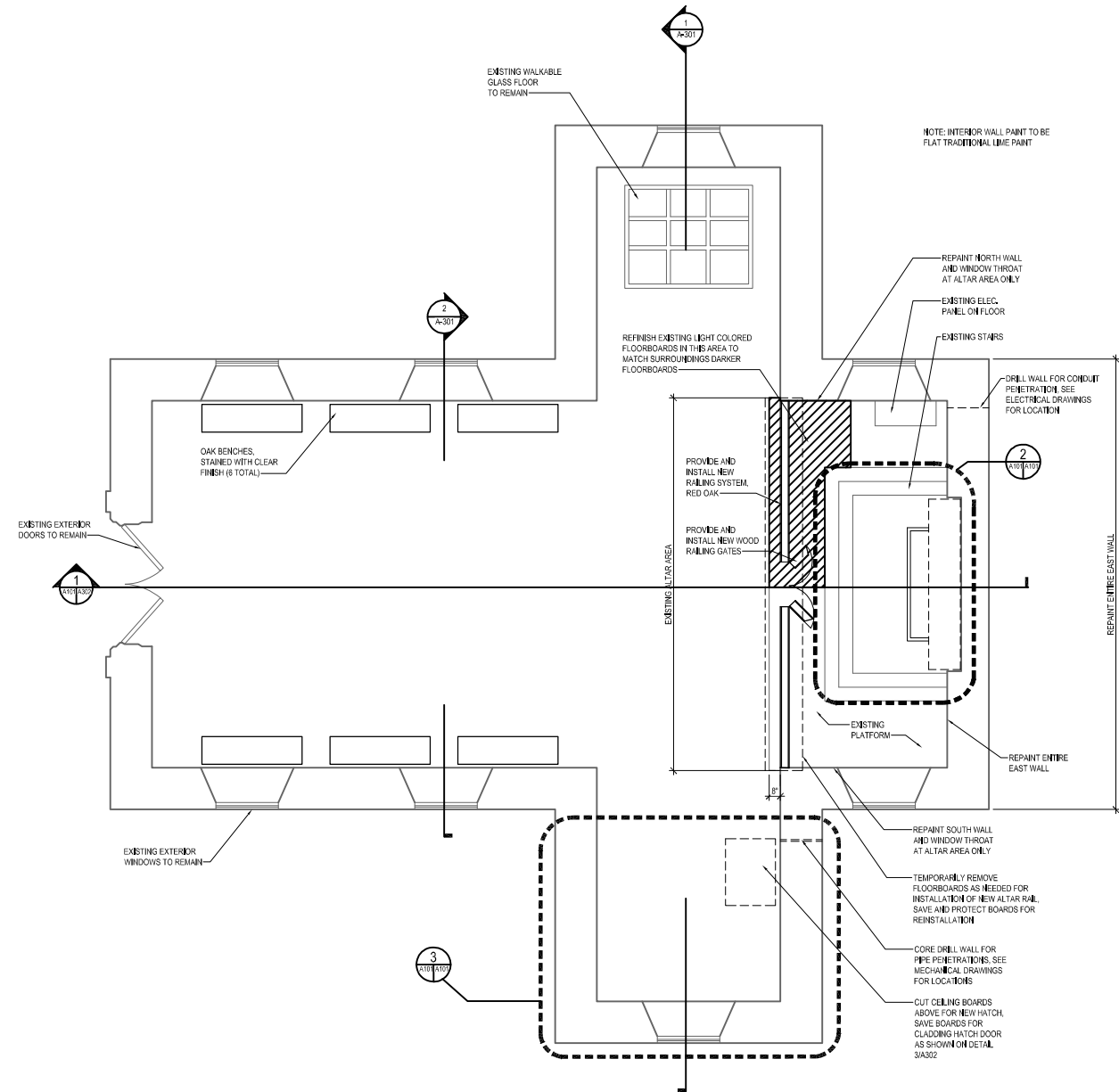
PROJECT No.: SM-023-230-002

DATE: 03/15/2024

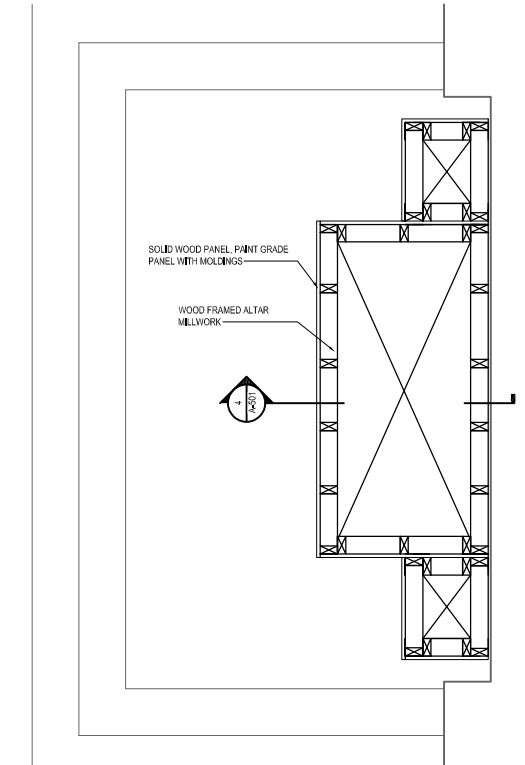
FLOOR PLANS

A101

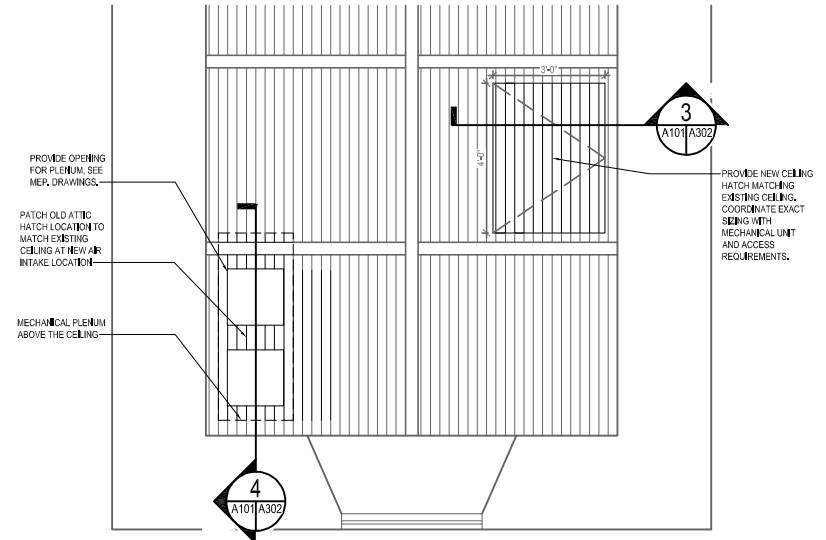
SHEET 02 OF 17



1 EXISTING GROUND FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 ENLARGED ALTAR AREA
SCALE: 3/4" = 1'-0"



3 REFLECTED CEILING PLAN DETAIL
SCALE: 1/2" = 1'-0"

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
	CONDENSATE DRAIN
	VOLUME DAMPER
	FLEXIBLE CONNECTION
	THERMOSTAT
	OUTDOOR AIR OR SUPPLY AIR DUCT
	RETURN AIR DUCT
	CALLOUT DESIGNATION TOP - VIEW REFERENCE BOTTOM - REFERENCED DRAWING
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION

MECHANICAL ABBREVIATIONS (APPLICABLE TO ALL MECHANICAL DRAWINGS)			
AFF	ABOVE FINISHED FLOOR	L	LENGTH
APD	AIR PRESSURE DROP	LAT	LEAVING AIR TEMPERATURE
APPROX	APPROXIMATELY	LFT	LEAVING FLUID TEMPERATURE
ATC	AUTOMATIC TEMPERATURE CONTROLS	LLS	LIQUID LEVEL SENSOR
		LWT	LEAVING WATER TEMPERATURE
BAS	BUILDING AUTOMATION SYSTEM	M	MECHANICAL
BDD	BAROMETRIC BACKDRAFT DAMPER	MAX	MAXIMUM
BHP	BRAKE HORSEPOWER	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
BTU	BRITISH THERMAL UNITS	MD	MECHANICAL DEMOLITION
		MIN	MINIMUM
		MOD	MOTOR OPERATED DAMPER
CC	COOLING COIL	N	NORTH
CFM	CUBIC FEET PER MINUTE	NC	NORMALLY CLOSED
CLG	COOLING	NO	NUMBER
CS	CURRENT SENSOR	NOM	NOMINAL
CX	CONNECT TO EXISTING	NTS	NOT TO SCALE
D	DAMPER / DEEP / DEPTH / DIAMETER / DIFFUSER / DRAIN	OA	OUTDOOR AIR
DB	DRY BULB	OC	ON CENTER
DIA	DIAMETER	P	PRESSURE
DN	DOWN	PD	PRESSURE SWITCH
DPS	DIFFERENTIAL PRESSURE SWITCH	PH	PHASE
EAT	ENTERING AIR TEMPERATURE	R	RADIUS
EFT	ENTERING FLUID TEMPERATURE	RA	RETURN AIR
ELEC	ELECTRICAL	RHC	REHEAT COIL
ESP	EXTERNAL STATIC PRESSURE	RL	REFRIGERANT LIQUID
EWT	ENTERING WATER TEMPERATURE	RPM	ROTATIONS PER MINUTE
EX	EXISTING	RS	REFRIGERANT SUCTION
		RX	REMOVE EXISTING
F	FAHRENHEIT	SA	SUPPLY AIR
FC	FLEX CONNECTION	SENS	SENSIBLE
FCU	FAN COIL UNIT	SEER	SEASONAL ENERGY EFFICIENCY RATIO
FPD	FLUID PRESSURE DROP	SP	STATIC PRESSURE
FT	FEET / FOOT	T	THERMOSTAT / TEMPERATURE SENSOR
FV	FACE VELOCITY	TSP	TOTAL STATIC PRESSURE
		TYP	TYPICAL
G	GRILLE	UMD	UNIVERSITY OF MARYLAND
GPM	GALLONS PER MINUTE	V	VALVE / VOLTS
H	HEIGHT / HIGH / HUMIDISTAT / HUMIDITY SENSOR	VD	VOLUME DAMPER
HC	HEATING COIL	VIF	VERIFY IN FIELD
HP	HORSEPOWER	W	WIDE / WIDTH
HPU	HEAT PUMP UNIT	WB	WET BULB
HR	HEATING WATER RETURN	WS	WATER GAGE
HS	HEATING WATER SUPPLY	WPD	WATER PRESSURE DROP
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING		
HZ	HERTZ		
IN	INCH		

MECHANICAL GENERAL NOTES (APPLICABLE TO ALL MECHANICAL DRAWINGS)	
1.	COORDINATE ALL MECHANICAL WORK WITH ELECTRICAL WORK, AND WORK OF OTHER TRADES SHOWN ON OTHER DRAWINGS.
2.	RUN ALL DRAIN PIPING WITH 2 PERCENT MINIMUM GRADE UNLESS OTHERWISE NOTED.
3.	INSTALL PIPING AND DUCTWORK SO THAT ALL VALVES AND DAMPERS ARE ACCESSIBLE PER INTERNATIONAL MECHANICAL CODE SECTION 306.
4.	CERTAIN ITEMS SUCH AS ACCESS DOORS, CLEANOUTS, RISE AND DROPS IN DUCTWORK AND PIPING, ETC., ARE INDICATED ON THE DRAWINGS FOR CLARITY OR A SPECIFIC LOCATION REQUIREMENT AND SHALL NOT BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THESE ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THESE ITEMS AS REQUIRED ELSEWHERE IN THE CONTRACT DOCUMENTS.
5.	WHERE THE INSTALLATION OF NEW SERVICES OR THE EXTENSION OF EXISTING SERVICES REQUIRES CUTTING OF EXISTING FLOORS, WALLS, PARTITIONS, ETC., CHECK FOR THE PRESENCE OF EXISTING MECHANICAL, PLUMBING AND ELECTRICAL SERVICES WITHIN OR IMMEDIATELY BENEATH CONSTRUCTION. EXERCISE NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO THE SERVICES OR INJURY TO PERSONNEL. DUE TO CONTACT WITH SAME, TEMPORARILY DISCONNECT SERVICES DURING THE CUTTING OPERATION. SCHEDULE SERVICE OUTAGES IN ADVANCE WITH THE OWNER.
6.	THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS.
7.	CONCRETE HOUSEKEEPING PADS TO SUIT MECHANICAL EQUIPMENT SHALL BE SIZED AND LOCATED BY THE MECHANICAL CONTRACTOR. MINIMUM CONCRETE PAD THICKNESS SHALL BE 4" OR AS INDICATED OTHERWISE ON DRAWINGS. PAD SHALL EXTEND BEYOND THE EQUIPMENT A MINIMUM OF 6" ON EACH SIDE.
8.	PROVIDE FLEXIBLE CONNECTIONS AT ALL DUCTWORK SYSTEMS (SUPPLY AND RETURN) CONNECTED TO FAN COIL UNITS WHICH REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTORS SHALL BE PROVIDED AT THE POINT OF CONNECTION TO THE EQUIPMENT.
9.	EXCEPT AS OTHERWISE NOTED, LOCATE ALL ROOM THERMOSTATS ABOVE FINISHED FLOOR ON SAME HORIZONTAL CENTERLINE AS LIGHT SWITCH, WHERE LIGHT SWITCH AND TEMPERATURE SENSOR ARE NEXT TO EACH OTHER. LIGHT SWITCH SHALL BE CLOSEST TO THE DOOR, COORDINATE WITH ELECTRICAL CONTRACTOR, NOTIFY THE ENGINEER OF ANY ROOMS WHERE THE ABOVE LOCATION CANNOT BE MAINTAINED OR WHERE THERE IS A QUESTION ON LOCATION.

APPLICABLE CODES, STANDARDS, AND REGULATIONS	
1.	2021 INTERNATIONAL MECHANICAL CODE
2.	2021 INTERNATIONAL ENERGY CONSERVATION CODE
3.	2021 INTERNATIONAL BUILDING CODE
4.	2021 INTERNATIONAL EXISTING BUILDING CODE
5.	2021 INTERNATIONAL GREEN CONSTRUCTION CODE
6.	MARYLAND BUILDING REHABILITATION CODE REGULATIONS
7.	DGS PROCEDURE MANUAL FOR PROFESSIONAL SERVICES, REV 2019

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ST. MARY'S CHAPEL
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PROJECT NO: SM-023-230-002

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Name	Date
Title	
DGS APPROVAL	
Project Manager	Date
Chief of PM&D	Date

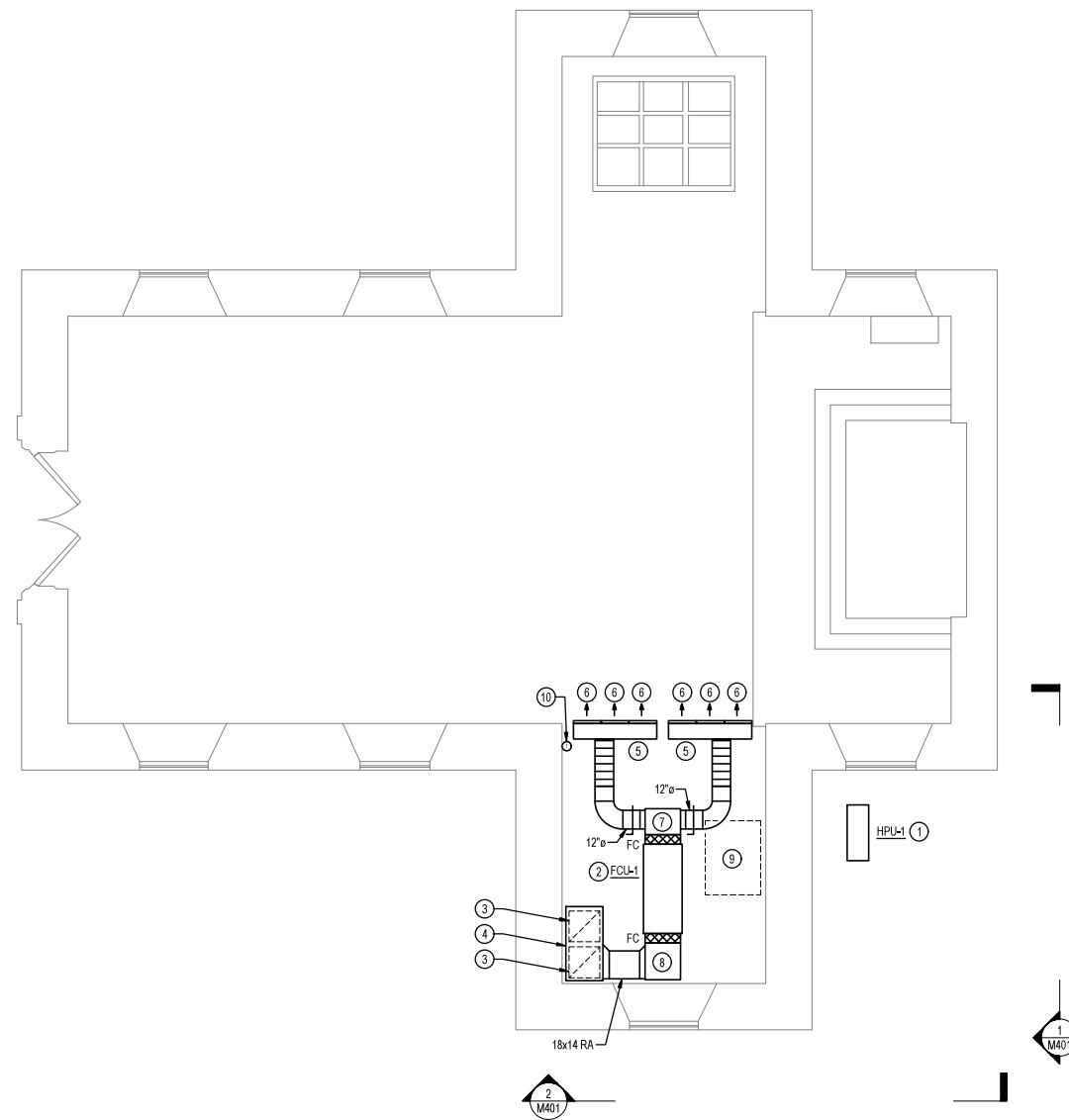
MARK	DATE	DESCRIPTION
	03/15/24	ISSUED FOR BID

CAD DWG FILE: -
DRAWN BY: MAV
CHK'D BY: CEL
PROJECT No.: SM-023-230-002
DATE: 03/15/2024

MECHANICAL COVER SHEET

M001

SHEET 8 OF 17



1 FIRST FLOOR - DUCTWORK - NEW WORK PLAN
 M101 / 1/4" = 1'-0"

DRAWING NOTES (APPLICABLE TO THIS DRAWING ONLY)

1. EXISTING SHOWN WITH LIGHT WEIGHT LINE.
2. NEW WORK SHOWN WITH HEAVY WEIGHT LINE.
3. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. EXISTING CONDITIONS ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, OR THERE IS A QUESTION REGARDING SCOPE OF WORK OR LIMITS OF DISTURBANCE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.
4. UNLESS OTHERWISE NOTED, RUNOUTS TO DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER NECK SIZE.

SPECIAL NOTES (APPLICABLE TO THIS DRAWING ONLY)

- 1 MOUNT ON 4" HOUSEKEEPING PAD
- 2 FCU-1 AND ASSOCIATED DUCTWORK LOCATED WITHIN ATTIC SPACE. MOUNT FROM ABOVE. PROVIDE SECONDARY DRAIN PAN BENEATH FCU.
- 3 20x20 R-1, 900 CFM.
- 4 48" L x 24" W x 18" H INSULATED PLENUM.
- 5 54" L x 10" W x 12" H INSULATED PLENUM, 900 CFM.
- 6 APPROX. 18" LONG D-1 (THE DIFFUSER SHALL FIT BETWEEN THE EXISTING STUDS. VERIFY EXACT DIMENSION IN FIELD) WITH (5) 1" SLOTS. CONTRACTOR SHALL VERIFY IN FIELD IF EXISTING STUDS ARE LOAD BEARING. IF THEY ARE NOT LOAD BEARING MODIFY FRAMING AND USE A SINGLE 9 FT LONG D-1 IN LIEU OF THE MULTIPLE 18" LONG DIFFUSERS. LOCATE DIFFUSER IN BARREL VAULT CEILING AND MATCH STAINED WOOD.
- 7 14" LONG INSULATED PLENUM. PLENUM SHALL BE 16" DEEP AND WIDTH SHALL MATCH WIDTH OF FCU CONNECTION.
- 8 24" LONG INSULATED PLENUM. PLENUM SHALL BE 16" DEEP AND WIDTH SHALL MATCH WIDTH OF FCU CONNECTION.
- 9 36" x 48" ATTIC HATCH
- 10 LOCATE THERMOSTAT AT THE SAME ELEVATION AS LIGHT SWITCHES

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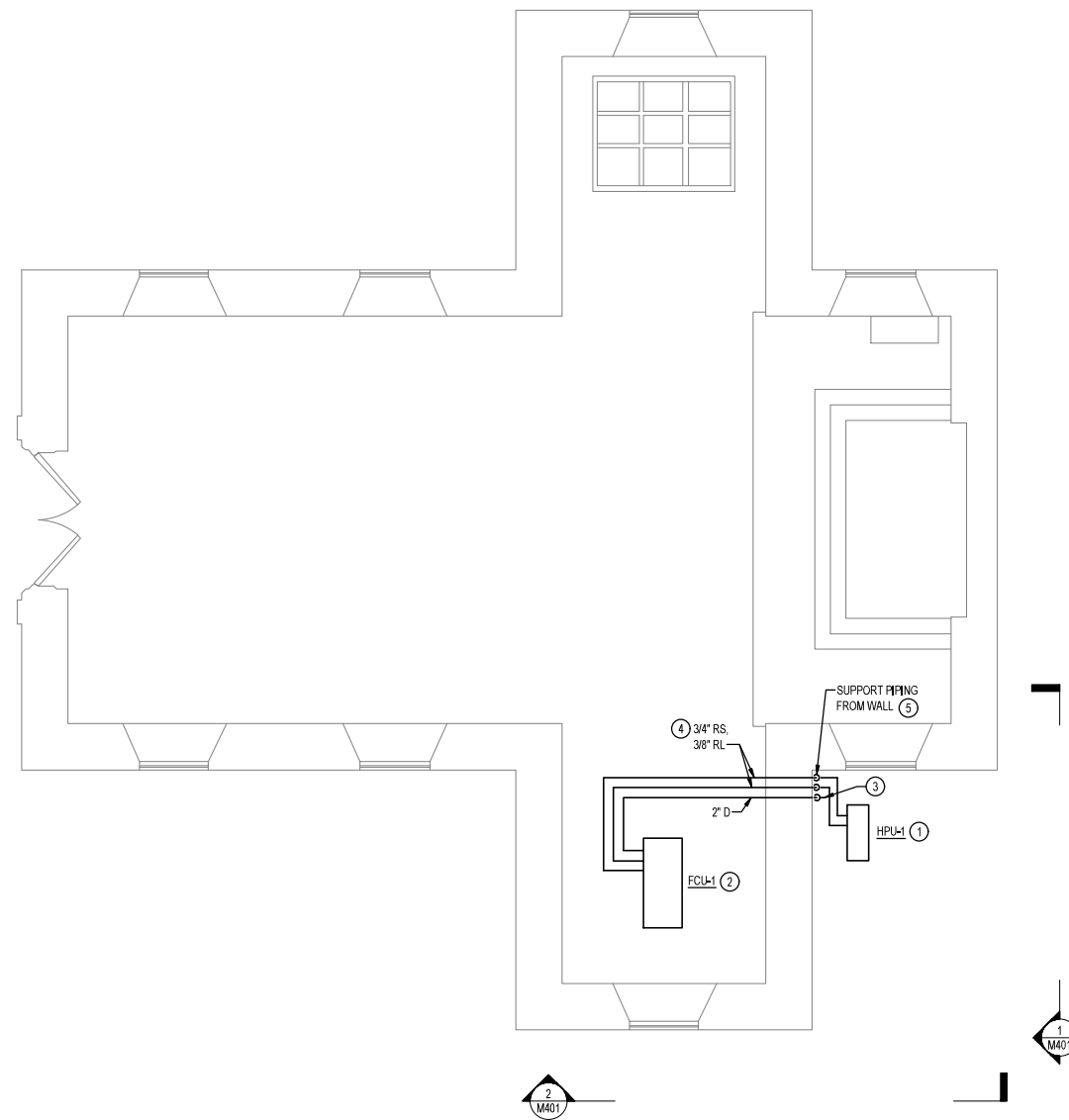
PROJECT No.: SM-023-230-002

DATE: 03/15/2024

FIRST FLOOR - DUCTWORK - NEW WORK PLAN

M101

SHEET 9 OF 17



1 FIRST FLOOR - MECHANICAL PIPING - NEW WORK PLAN
 M201 / 1/4" = 1'-0"

DRAWING NOTES (APPLICABLE TO THIS DRAWING ONLY)

1. EXISTING SHOWN WITH LIGHT WEIGHT LINE. ———
2. NEW WORK SHOWN WITH HEAVY WEIGHT LINE. ———
3. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. EXISTING CONDITIONS ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, OR THERE IS A QUESTION REGARDING SCOPE OF WORK OR LIMITS OF DISTURBANCE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING AND AWAIT WRITTEN DIRECTION BEFORE PROCEEDING WITH THE WORK.
4. PATCH FINISH AND PAINT ANY WALLS FROM CORNER TO CORNER THAT ARE OPENED UP FOR INSTALLATION OF NEW WIRING, DUCTWORK, PIPING, ETC. MATCH EXISTING FINISH.

SPECIAL NOTES (APPLICABLE TO THIS DRAWING ONLY)

1. MOUNT ON 4" HOUSEKEEPING PAD
2. FCLU-1 AND ASSOCIATED PIPING LOCATED WITHIN ATTIC SPACE. MOUNT FROM ABOVE.
3. TERMINATE 2" D 6" ABOVE FINISHED GRADE WITH ELBOW DN
4. ASSOCIATED EQUIPMENT MANUFACTURER SHALL CONFIRM FINAL PIPE SIZES
5. PROVIDE PENETRATION OUTLET EQUAL TO AIREX PROSYSTEM KIT MODEL TGS AT PIPE PENETRATIONS THROUGH WALL.

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 DRAWN BY: MAV
 CHK'D BY: CEL
 PROJECT No.: SM-023-230-002
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FIRST FLOOR - MECHANICAL PIPING - NEW WORK PLAN

EX LOAD CENTER (DEMOLITION)									
BUS AMPACITY: 200A MAIN TYPE: 200A MCB SERVICE: 120/240 VOLTS, 1 PHASE, 3 WIRE MFR. RATING OF MCB: 10K AIC RMS SYMMETRICAL AMPS					MOUNTING FLUSH ENCLOSURE: NEMA 1 LOCATION: ALTAR FLOOR				
MANUFACTURER: CUTLER-HAMMER TYPE: LOAD CENTER									
LINE NO.	LOAD DESCRIPTION	NOTE	CK1 BREAKER P TA AUX	WIRE AND CONDUIT	WIRE AND CONDUIT	CK1 BREAKER AUX TA P	NOTE	LOAD DESCRIPTION	LINE NO.
1	EX NORTH TRANCEPT EAST WALL LIGHTS	-	1 20	-	EXISTING	20 1	-	EX NORTH TRANCEPT WEST WALL TV	2
3	FX OFFIN PIT	-	1 20	-	EXISTING	20 1	-	FX NORTH WALL PILL PIT	4
5	EX NORTH WALL ZUV	-	2 30	-	EXISTING	20 1	-	EX SOUTH WALL WEST CORNER	6
7	-	-	-	-	EXISTING	20 2	-	EX SOUTH WALL ZUV	8
9	EX NORTH WALL WEST CORNER	-	1 20	-	EXISTING	-	-	-	10
11	FX SOUTH TRANCEPT EAST WALL	-	1 20	-	EXISTING	20 1	-	EX SOUTH WALL INSIDE CORNER	12
13	EX SOUTH TRANCEPT WEST WALL	-	1 20	-	EXISTING	20 1	-	EX OUTSIDE RECEPTACLE	14
15	EX RECEPTACLE	-	2 30	-	EXISTING	20 1	-	EX OUTSIDE RECEPTACLE	16
17	-	-	-	-	-	-	-	RX SPACE	18
19	EX RECEPTACLE	-	2 30	-	EXISTING	-	-	RX SPACE	20
21	-	-	-	-	-	-	-	EX SPACE	22
23	RX SPACE	-	-	-	-	-	-	EX SPACE	24
25	RX SPACE	-	-	-	-	-	-	EX SPACE	26
27	EX SPACE	-	-	-	-	-	-	EX SPACE	28
29	EX SPACE	-	-	-	-	-	-	EX SPACE	30
31	EX SPACE	-	-	-	-	-	-	EX SPACE	32
33	EX SPACE	-	-	-	-	-	-	EX SPACE	34
35	EX SPACE	-	-	-	-	-	-	EX SPACE	36
37	EX SPACE	-	-	-	-	-	-	EX SPACE	38
39	EX SPACE	-	-	-	-	-	-	EX SPACE	40
41	EX SPACE	-	-	-	-	-	-	EX SPACE	42

a AFCI BREAKER	e HANDLE PADLOCK	X GROUND BUS	SPLIT BUS
b GFCI BREAKER (5mA)	f HANDLE CLAMP	SERVICE ENTRANCE LABEL	FEED THRU LUGS
c GFCP BREAKER (30mA)	g RED CB HANDLE	INTEGRAL SPD/TVSS	SUB FEED LUGS
d SHUNT TRIP BREAKER		200% NEUTRAL BUS & LUGS	OFFSET INTERIOR / RISER PANEL
		ISOLATED GROUND BUS	



EX LOAD CENTER (NEW WORK)									
BUS AMPACITY: 200A MAIN TYPE: 200A MCB SERVICE: 120/240 VOLTS, 1 PHASE, 3 WIRE MFR. RATING OF MCB: 10K AIC RMS SYMMETRICAL AMPS					MOUNTING FLUSH ENCLOSURE: NEMA 1 LOCATION: ALTAR FLOOR				
MANUFACTURER: CUTLER-HAMMER TYPE: LOAD CENTER									
LINE NO.	LOAD DESCRIPTION	NOTE	CK1 BREAKER P TA AUX	WIRE AND CONDUIT	WIRE AND CONDUIT	CK1 BREAKER AUX TA P	NOTE	LOAD DESCRIPTION	LINE NO.
1	EX NORTH TRANCEPT EAST WALL LIGHTS	-	1 20	-	EXISTING	20 1	-	EX NORTH TRANCEPT WEST WALL TV	2
3	FX OFFIN PIT	-	1 20	-	EXISTING	20 1	-	FX NORTH WALL PILL PIT	4
5	EX NORTH WALL ZUV	-	2 30	-	EXISTING	20 1	-	EX SOUTH WALL WEST CORNER	6
7	-	-	-	-	EXISTING	20 2	-	EX SOUTH WALL ZUV	8
9	EX NORTH WALL WEST CORNER	-	1 20	-	EXISTING	-	-	-	10
11	FX SOUTH TRANCEPT EAST WALL	-	1 20	-	EXISTING	20 1	-	EX SOUTH WALL INSIDE CORNER	12
13	EX SOUTH TRANCEPT WEST WALL	-	1 20	-	EXISTING	20 1	-	EX OUTSIDE RECEPTACLE	14
15	EX RECEPTACLE	-	2 30	-	EXISTING	20 1	-	EX OUTSIDE RECEPTACLE	16
17	-	-	-	-	-	-	-	RX SPACE	18
19	EX RECEPTACLE	-	2 30	-	EXISTING	20 1	-	RX SPACE	20
21	-	-	-	-	-	-	-	EX SPACE	22
23	HPU-1	1	2 35	-	2#12+#10GWI IN 3/4" C	-	-	EX SPACE	24
25	-	-	-	-	-	-	-	EX SPACE	26
27	EX SPACE	-	-	-	-	-	-	EX SPACE	28
29	EX SPACE	-	-	-	-	-	-	EX SPACE	30
31	EX SPACE	-	-	-	-	-	-	EX SPACE	32
33	EX SPACE	-	-	-	-	-	-	EX SPACE	34
35	EX SPACE	-	-	-	-	-	-	EX SPACE	36
37	EX SPACE	-	-	-	-	-	-	EX SPACE	38
39	EX SPACE	-	-	-	-	-	-	EX SPACE	40
41	EX SPACE	-	-	-	-	-	-	EX SPACE	42

a AFCI BREAKER	e HANDLE PADLOCK	X GROUND BUS	SPLIT BUS
b GFCI BREAKER (5mA)	f HANDLE CLAMP	SERVICE ENTRANCE LABEL	FEED THRU LUGS
c GFCP BREAKER (30mA)	g RED CB HANDLE	INTEGRAL SPD/TVSS	SUB FEED LUGS
d SHUNT TRIP BREAKER		200% NEUTRAL BUS & LUGS	OFFSET INTERIOR / RISER PANEL
		ISOLATED GROUND BUS	

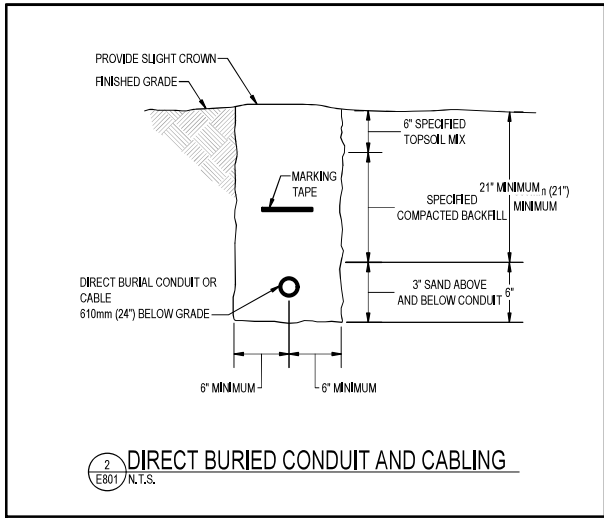
NOTES: (APPLICABLE TO PANELBOARD SCHEDULE ONLY)
1. PROVIDE NEW CIRCUIT BREAKER IN EXISTING AVAILABLE SPACE(S). MATCH EXISTING PANELBOARD MANUFACTURER, TYPE, AND AIC RATING.

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE												
EQUIPMENT DESIGNATION	KW	HP	MCA	MOCF	FLA	VOLTAGE	PHASE	LOAD (kVA)	WIRING & CONDUIT	DISCONNECTING MEANS	CONTROL MEANS	NOTES
HPU-1	-	-	29.1	35	23.2	240	1	5.57	See schedule for Ex Load Center (New Work), Circuit 23, 25	DS-HPU-1	BY MECHANICAL	1,2
FCU-1	-	-	8.6	15	6.88	240	1	1.65	See schedule for Ex Load Center (New Work), Circuit 18	DS-FCU-1	BY MECHANICAL	1,2

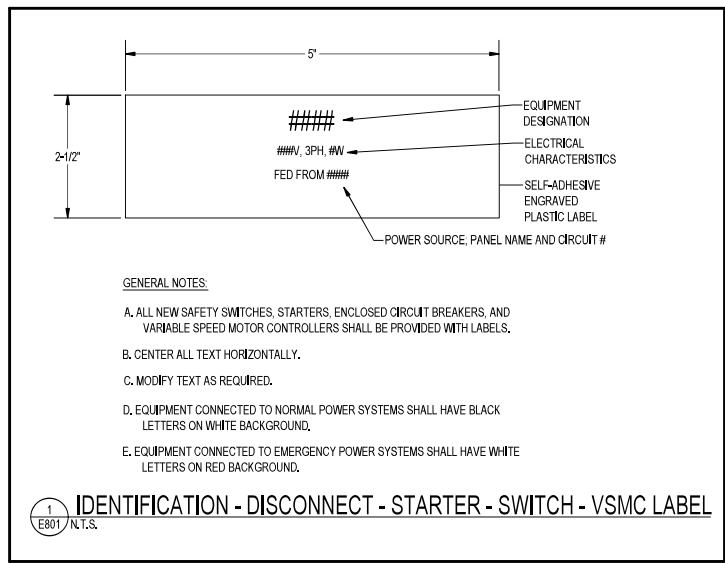
NOTES: (APPLICABLE TO MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE ONLY)
1. REVIEW EQUIPMENT SUBMITTALS FROM OTHER TRADES PRIOR TO ORDERING OR INSTALLING ASSOCIATED ELECTRICAL WORK. ELECTRICAL CONTRACTOR SHALL MODIFY COMPONENTS OF THE ELECTRICAL CONNECTIONS AS NECESSARY TO MATCH NAMEPLATE DATA OF APPROVED EQUIPMENT AND PROVIDE A CODE COMPLIANT INSTALLATION, INCLUDING BUT NOT LIMITED TO CIRCUIT BREAKERS, WIRE, CONDUITS, CONNECTION TYPES, SWITCHES, AND FUSES, CHANGE ORDERS AND EXTRAS WILL NOT BE AWARDED FOR FAILURE TO COORDINATE WITH OTHER TRADES' EQUIPMENT SUBMITTALS.
2. PROVIDE NECESSARY SUPPORTING STRUT CHANNEL AND ALL MISCELLANEOUS HARDWARE FOR MOUNTING ELECTRICAL EQUIPMENT. MAINTAIN NEC WORKING CLEARANCES. FIELD COORDINATE EXACT LOCATIONS. DO NOT MOUNT ON EQUIPMENT ACCESS PANELS OR IN EQUIPMENT MANUFACTURERS' RECOMMENDED MAINTENANCE CLEARANCES. COORDINATE EXACT LOCATION OF SAFETY SWITCHES WITH MECHANICAL EQUIPMENT CONTRACTOR.

DISCONNECT SWITCH SCHEDULE							
DESIGNATION	AMP RATING	POLES	VOLT RATING	FUSE AMPS	FUSE CLASS	NEMA ENCLOSURE	NOTES
DS-HPU-1	60	2	240	35	RK5	4X	2,4
DS-FCU-1	20	2	240	-	-	TOGGLE SWITCH	-

NOTES: (APPLICABLE TO DISCONNECT SWITCH SCHEDULE ONLY)
1. PROVIDE FUSE AND COORDINATE EXACT EQUIPMENT FUSE SIZE WITH MOTOR OR EQUIPMENT NAMEPLATE DATA DURING CONSTRUCTION.
2. ALL DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE WITH GROUND LUG.
3. PROVIDE ALL FUSIBLE DISCONNECT SWITCHES WITH CLASS R FUSE KIT.
4. LABEL DISCONNECT SWITCHES WITH THE DESIGNATION IDENTIFIED IN THIS SCHEDULE AND THE CIRCUIT NUMBER AND PANELBOARD FROM WHICH IT IS FED, INCLUDING VOLTAGE AND PHASE.



2 DIRECT BURIED CONDUIT AND CABLING
E801/N.T.S.



GENERAL NOTES:
A. ALL NEW SAFETY SWITCHES, STARTERS, ENCLOSED CIRCUIT BREAKERS, AND VARIABLE SPEED MOTOR CONTROLLERS SHALL BE PROVIDED WITH LABELS.
B. CENTER ALL TEXT HORIZONTALLY.
C. MODIFY TEXT AS REQUIRED.
D. EQUIPMENT CONNECTED TO NORMAL POWER SYSTEMS SHALL HAVE BLACK LETTERS ON WHITE BACKGROUND.
E. EQUIPMENT CONNECTED TO EMERGENCY POWER SYSTEMS SHALL HAVE WHITE LETTERS ON RED BACKGROUND.

1 IDENTIFICATION - DISCONNECT - STARTER - SWITCH - VSMC LABEL
E801/N.T.S.

ARCHITECTURAL / STRUCTURAL / CIVIL CONSULTANTS:

WHITNEY, BAILEY, COX, MAGNANI, LLC / WBCM, LLC.

300 EAST JOPPA ROAD, SUITE 200
BALTIMORE, MARYLAND 21286
PHONE: (410) 512-4500
FAX: (410) 324-4100

HENRY ADAMS
Consulting Engineers
MECHANICAL ELECTRICAL & PLUMBING ENGINEERS



PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 51082 EXPIRATION DATE: 06/07/2025

ST. MARY'S CHAPEL
DESIGN AND INSTALL
INTERPRETIVE ELEMENTS OF
CHAPEL EXHIBIT AND ADD A/C
PROJECT NO: SM-023-230-002

USING AGENCY APPROVAL

Name _____ Date _____

Title _____

DGS APPROVAL

Project Manager _____ Date _____

Chief of PM&D _____ Date _____

03/15/24	ISSUED FOR BID
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MARK	DATE	DESCRIPTION

CAD DWG FILE: -

DRAWN BY: ZAJ

CHK'D BY: JLW

PROJECT No.: SM-023-230-002

DATE: 03/15/2024