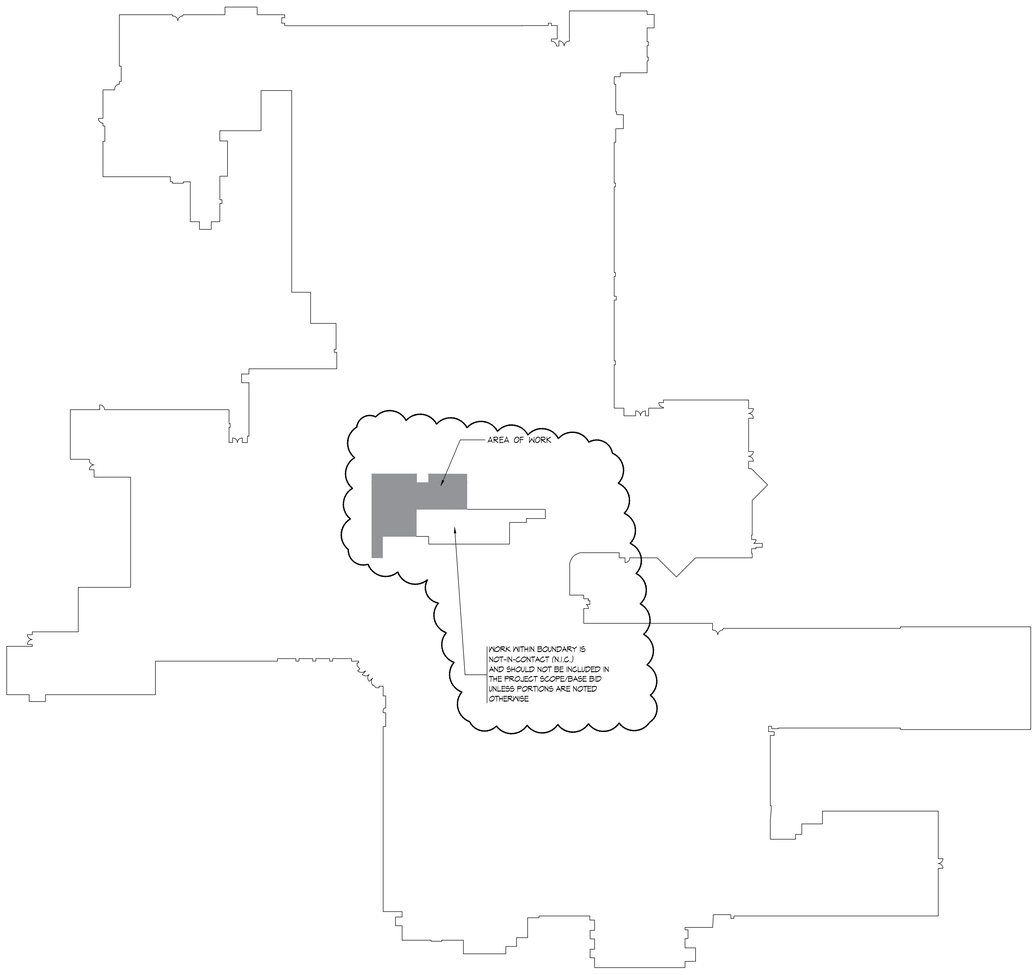
NEW NURSE SUITE & MISC. ALTERATIONS

ATLANTIC COUNTY SPECIAL SERVICES SCHOOL

PROJECT ADDRESS: 4805 NAWAKWA BLVD., MAYS LANDING, NEW JERSEY, 08330

MMPFA PROJECT #23.116



OVERALL KEY PLAN

N.T.S

DRAWING LIST

SHEET NO.	SHEET NAME	ISSUED DES.	ISSUED DATE
GENERAL			
C1.0	COVER SHEET, OVERALL KEY PLAN, DRAWING LIST	1	04/24/2024
ARCHITECTURAL			
D1.0	DEMOLITION PLAN	1	04/24/2024
A1.0	PROPOSED FLOOR PLAN, REFLECTED CEILING PLAN	1	04/24/2024
A1.1	SCHEDULES, ENLARGED TOILET ROOM PLANS, INTERIOR ELEVATIONS	1	04/24/2024
MECHANICAL			
M0.1	HVAC LEGEND AND SCHEDULES	1	04/24/2024
M1.0	PARTIAL FIRST FLOOR HVAC PLAN	1	04/24/2024
M2.0	HVAC DETAILS	1	04/24/2024
PLUMBING			
P0.1	PLUMBING LEGEND, SCHEDULES AND DETAILS	1	04/24/2024
P1.0	PARTIAL FIRST FLOOR PLUMBING PLANS	1	04/24/2024
ELECTRICAL			
E1.0	FIRST FLOOR ELECTRICAL PLANS	1	04/24/2024
E2.0	PANEL SCHEDULES	1	04/24/2024
FIRE PROTECTION			
FP1.0	FIRST FLOOR FIRE PROTECTION PLAN	1	04/24/2024

Revisions

No.	Date	Description
1.	04/24/2024	RELEASED FOR BIDDING
2.	05/30/2024	REVISED SCOPE/ RELEASED FOR BIDDING

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Project ATLANTIC COUNTY SPECIAL SERVICES SCHOOL
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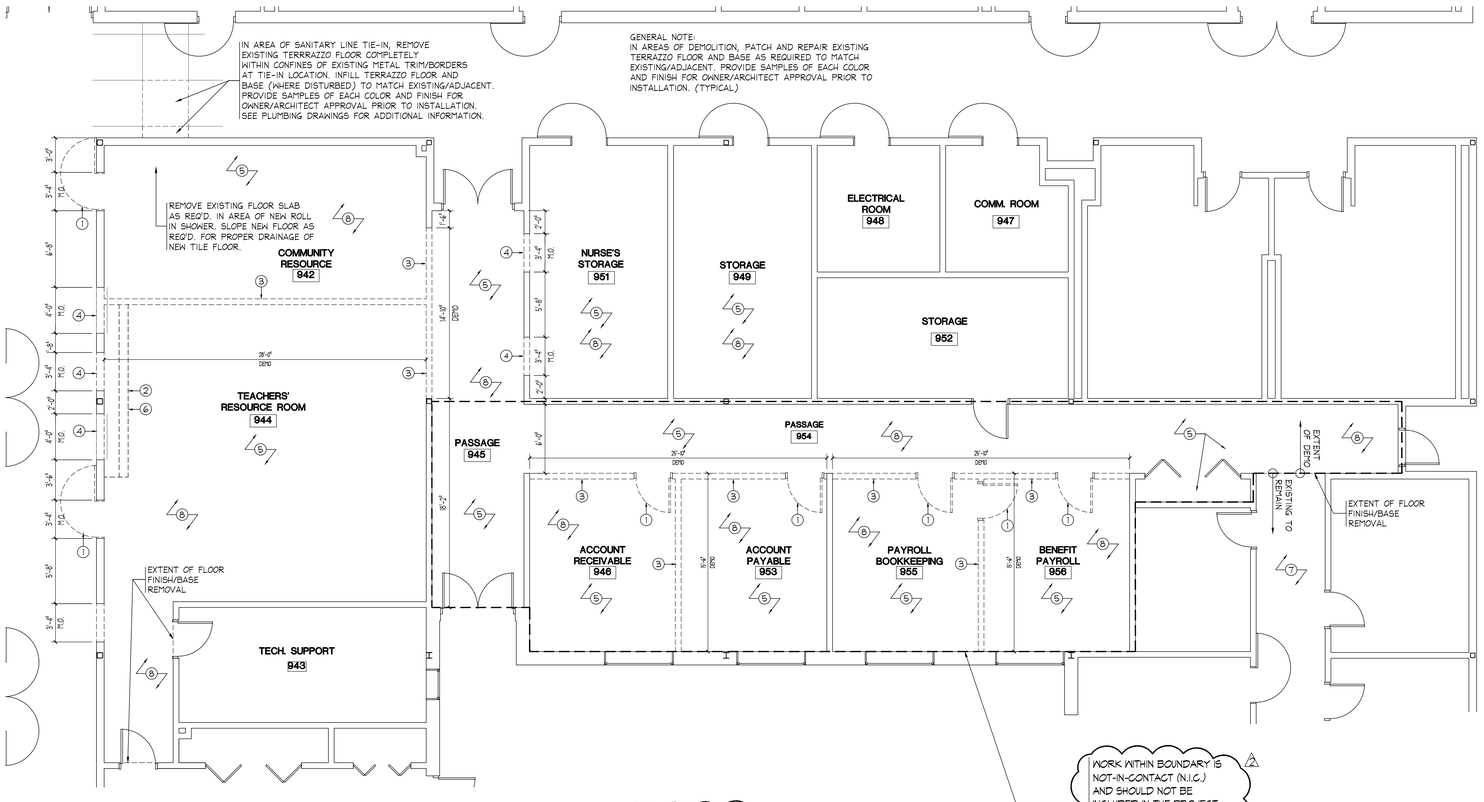
NURSE SUITE &
MISC. ALTERATIONS
4805 NAWAKWA BLVD.
MAYS LANDING, NJ 08330

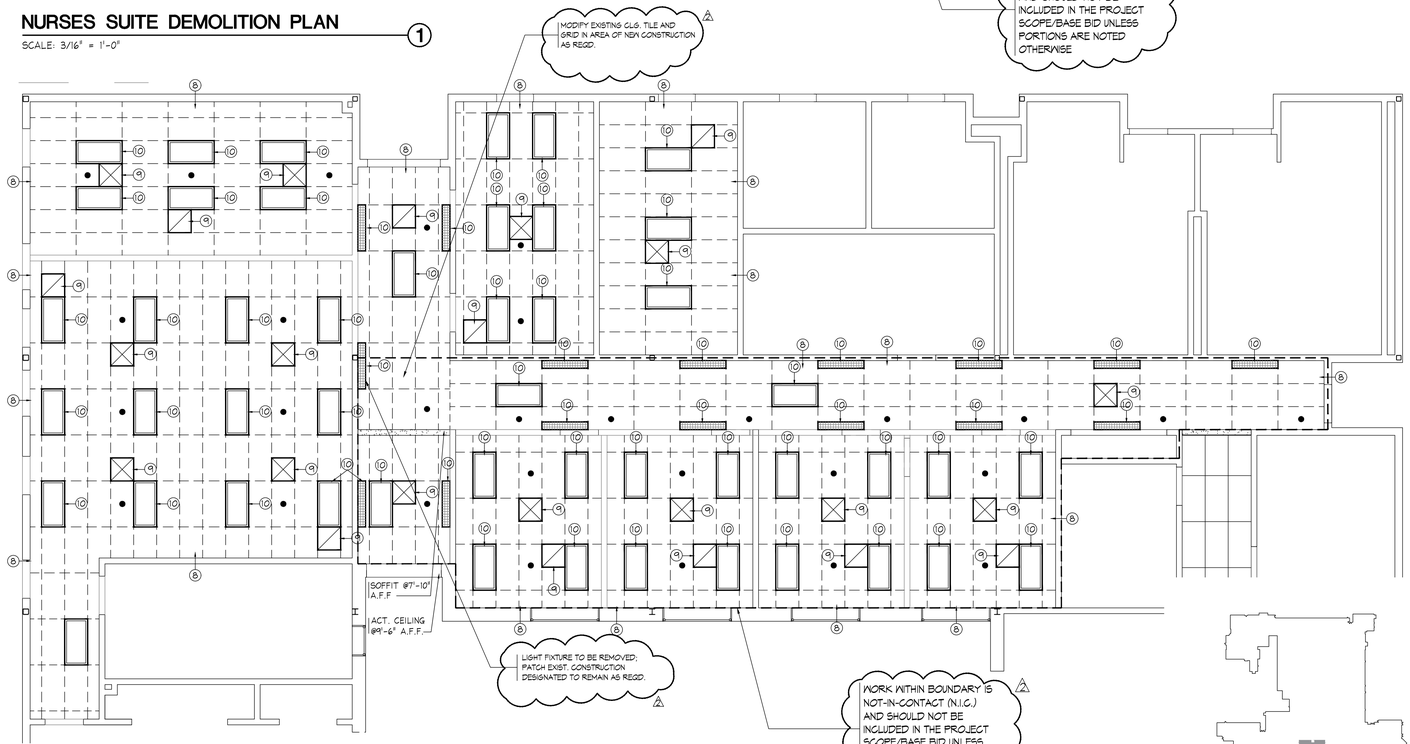
Drawing DEMOLITION PLAN & NOTES

Scale	Job	Sheet
AS NOTED	23.116	C1.0
Drawn: MA	Date: 05/22/24	1 of 4



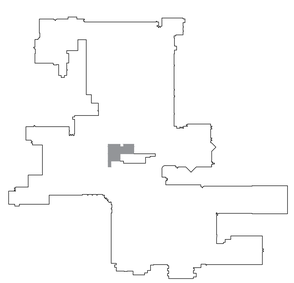
NURSES SUITE DEMOLITION PLAN ①

SCALE: 3/16" = 1'-0"



NURSE'S SUITE CEILING DEMOLITION PLAN ②

SCALE: 3/16" = 1'-0"



FIRST FLOOR KEY PLAN ③

N.T.S

GENERAL DEMOLITION NOTES

A. THE DEMOLITION DRAWINGS SHALL SERVE TO AID THE CONTRACTOR IN THE EVALUATION OF THE EXTENT OF REMOVALS, BUT SHALL NOT BE HELD TO BE ALL INCLUSIVE.

B. CUT, PATCH & REPAIR ALL OPENINGS IN WALLS, FLOOR, CEILINGS, ETC. WHERE REQUIRED TO ACCOMMODATE NEW DESIGN. PATCHING SHALL MATCH EXISTING CONSTRUCTION & FINISHES REMAINING. COORDINATE ALL FINISHES WITH CONSTRUCTION DOCUMENTS. THIS INCLUDES LEVELING OF ALL FLOORS AND INFILLING OF ANY TRENCHED AREAS.

C. DEMOLITION WORK SHALL INCLUDE REMOVAL OF INTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO WALL PARTITIONS, DOORS, WINDOWS, FURRING, HANGERS, UNUSED ATTACHMENTS, CEILING TILE & GRID, FLOOR FINISHES, ETC. WHERE DEMOLITION ACTIVITIES INVOLVE STRUCTURAL ELEMENTS, BEAMS, JOISTS, CMU BEARING WALLS ETC., DEMOLITION WORK SHALL BE CLOSELY COORDINATED WITH NEW CONSTRUCTION WORK. NO WORK SHALL COMMENCE WITHOUT ADEQUATE BRACING OR SHORING AS REQUIRED TO PREVENT MOVEMENT OR SETTLING IN THE EXISTING STRUCTURE. REMOVALS OF A STRUCTURAL NATURE, BEARING WALLS, ROOFS, FOOTINGS ETC., SHALL BE MADE ONLY UNDER DIRECT SUPERVISION OF QUALIFIED PERSONNEL AND SHALL BE SECURED OR OTHERWISE BRACED WHERE EVER FEASIBLE, BY INCORPORATION INTO PROPOSED NEW WORK INCLUDING BUT NOT LIMITED TO INSTALLATION OF NEW LINTELS, NEW INFILL OF CONCRETE BLOCK TO FORM NEW OPENINGS, AND NEW STEEL AT ROOF STRUCTURE AND OPENINGS, AS MUCH AS POSSIBLE NEW CONSTRUCTION IN KEEPING WITH THE PROPOSED CONDITIONS SHALL BE INSTALLED IN LIEU OF TEMPORARY BRACING.

D. PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK, THE CONTRACTOR SHALL MEET WITH THE OWNER TO DETERMINE WHICH ITEMS, IF ANY, ARE OF SALVAGEABLE VALUE TO THE OWNER. THE CONTRACTOR IS ENCOURAGED TO ALSO DOCUMENT ANY EXISTING DAMAGE OR DEFICIENCIES, IN BOTH WRITTEN AND PHOTOGRAPHIC FORMS AS REQUIRED, WHICH ARE EVIDENT IN THE EXISTING BUILDING

E. ALL ITEMS DESIGNATED TO BE OF SALVAGEABLE VALUE TO THE OWNER SHALL BE REMOVED AS DIRECTED BY THE OWNER. ALL ITEMS DESIGNATED FOR DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED COMPLETELY FROM THE SITE AND DISPOSED OF AS NECESSARY, IN ACCORDANCE WITH ALL REGULATIONS IN EFFECT.

F. CONFORM TO APPLICABLE CODES FOR DEMOLITION WORK, SAFETY OF STRUCTURE AND DUST CONTROL. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS. DO NOT CLOSE OR OBSTRUCT EGRESS TO EXIST. DO NOT DISRUPT BUILDING, FIRE, OR LIFE SAFETY SYSTEMS WITHOUT (3) DAYS PRIOR WRITTEN NOTICE TO THE OWNER.

G. MAINTAIN TEMPORARY PARTITIONS TO PREVENT THE SPREAD OF DUST, ODORS, AND NOISE, AND TO PERMIT CONTINUED OWNER OCCUPANCY. PROTECT EXISTING MATERIALS WHICH ARE NOT TO BE DEMOLISHED.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS, APPROVALS, TESTING AND INSPECTIONS AS MAY BE REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ.) CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED DEPARTMENT OF BUILDINGS PERMITS PRIOR TO THE START OF WORK. ALL PERMITS ISSUED BY THE AUTHORITY HAVING JURISDICTION (AHJ) SHALL BE POSTED IN A CONSPICUOUS PLACE OPEN TO PUBLIC INSPECTION FOR THE ENTIRE TIME OF THE EXECUTION OF THE WORK OF THE USE AND OPERATION OF THE EQUIPMENT OR UNTIL THE EXPIRATION OF THE PERMIT.

I. MEANS OF EGRESS SHALL BE KEPT UNOBSTRUCTED AT ALL TIMES

J. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND NOTIFY ARCHITECTS OFFICE OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DOCUMENTS. ALL CONSTRUCTION, DIMENSIONS AND DETAILS SHALL CONCUR WITH AND BE DETERMINED FROM THESE DOCUMENTS ONLY.

K. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND OFF ALIGNMENT.

L. EXISTING CONDITIONS/CONSTRUCTION DAMAGED OR REMOVED AS A RESULT OF WORK REQUIRED TO BE COMPLETED UNDER THIS CONTRACT SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION AND FINISHED TO MATCH ADJACENT FINISHES BY THE CONTRACTOR AT NO COST TO THE OWNER.

M. FILL ALL HOLES AND VOIDS IN FLOORS, WALLS, CEILINGS, ETC. WHICH RESULT FROM INSTALLATION OF NEW WORK AND REMOVAL OF EXISTING MATERIALS AND EQUIPMENT REQUIRED BY CONTRACT. PATCHED AREAS SHALL BE MADE FLUSH, FILLED WITH APPROPRIATE MATERIAL, SANDED SMOOTH & REFINISHED OR PAINTED AS APPROPRIATE TO MATCH MATERIALS, FINISHES AND LEVELS ADJACENT.

N. CONTRACTOR SHALL VERIFY SIZE AND QUANTITY TAKEOFFS OF OWNER FURNISHED EQUIPMENT AND BE RESPONSIBLE FOR COORDINATING ROUGH-INS AND CONNECTIONS FOR SAME.

O. ALL PROPOSED WORK SHALL INCLUDE ALL THE MATERIAL AND LABOR NECESSARY TO COMPLETE DEMOLITION AND CONSTRUCTION AS SHOWN ON THESE DRAWINGS

P. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR THE PROPER PERFORMANCE OF THEIR WORK, COORDINATION WITH OTHER TRADES, METHODS, SAFETY AND SECURITY ON THE JOB SITE. THE ARCHITECT AND HIS AGENT ARE NOT RESPONSIBLE OR LIABLE FOR THE ABOVE AND SHALL BE HELD HARMLESS AND INDEMNIFIED BY ALL CONTRACTORS FROM ANY CLAIMS, LOSSES, SUITS, OR LEGAL ACTIONS ARISING FROM THE PERFORMANCE OF WORK ON THIS PROJECT.

Q. BEFORE START OF CONSTRUCTION, CONTRACTOR TO OBTAIN APPROVAL FROM BUILDING REPRESENTATIVES. ANY CONSTRUCTION INVOLVING INTERRUPTION OF BUILDING SERVICES MUST BE APPROVED AND COORDINATED WITH THE BUILDING REPRESENTATIVES BEFORE COMMENCEMENT OF WORK.

R. ALL MATERIALS TO BE USED IN CONSTRUCTION SHALL BE NEW AND SHALL BE SUPPLIED AND INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF ANY AND ALL ITEMS.

S. CONTRACTOR SHALL THOROUGHLY INSPECT PREMISES NOTING ALL AREAS OF WORK AND SHALL PRODUCE A NEAT ACCEPTABLE JOB. WHERE PARTIAL REMOVAL OR PATCH OCCURS, ENTIRE SURFACE SHALL BE REFINISHED WITH QUALITY WORKMANSHIP.

T. REMOVE AND LEGALLY DISPOSE OF ALL TRASH AND DEBRIS FROM THE SITE. NO ACCUMULATION OF TRASH OR DEBRIS SHALL BE PERMITTED.

U. INSTALL ALL OWNER FURNISHED EQUIPMENT. THE GENERAL CONTRACTOR SHALL COORDINATE THE TRADE(S) CLAIMING THE WORK. UNLESS NOTED OTHERWISE THE INSTALLATION SHALL BE INCLUDED AS PART OF THE WORK OF THIS CONTRACT.

V. CLOSE AND SEAL ALL OPENINGS IN WALLS, FLOORS, CEILINGS, ETC. REQUIRED BY CUTTING FOR NEW WORK TO MATCH EXISTING FINISHES AND FIRE RATING. FIRE SEAL AROUND ALL PIPES, DUCTS, CONDUITS, ETC. WHERE REQUIRED BY CODE.

DEMOLITION KEY NOTES

1. REMOVE EXISTING DOOR, FRAME AND ALL ASSOCIATED HARDWARE/CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. PATCH AND REPAIR ANY EXISTING CONSTRUCTION DESIGNATED TO REMAIN.
2. REMOVE EXISTING CASEWORK/SHELVING IN THIS AREA COMPLETELY; PATCH ALL AREAS AFFECTED BY REMOVAL AS REQUIRED FOR NEW CONSTRUCTION.
3. REMOVE EXISTING WALL CONSTRUCTION COMPLETELY/PARTIALLY, AND AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. UTILITY CONNECTIONS, CONDUIT AND PIPING SHALL BE REMOVED COMPLETELY WHERE NOT SCHEDULED FOR INCORPORATION INTO NEW WORK OR, WHERE PERMITTED BY CODE, CAPPED AND ABANDONED IN PLACE. UNUSED SURFACE MOUNTED ITEMS SHALL BE REMOVED. SEE MEP DWGS FOR ADDITIONAL INFORMATION.
4. REMOVE WALL/PARTITION OR PORTION OF THE WALL FOR NEW OPENING, ADD DOOR, WINDOW, FRAME AND ALL ASSOCIATED HARDWARE/CONSTRUCTION AS REQUIRED. REFER TO NEW WORK PLANS FOR EXTENTS
5. REMOVE EXISTING FLOOR FINISH AND BASE IN ITS ENTIRETY. PATCH & REPAIR ANY EXISTING CONSTRUCTION DESIGNATED TO REMAIN AS REQUIRED TO RECEIVE NEW FINISHES & ACCOMMODATE NEW CONSTRUCTION. SEE PROPOSED FLOOR PLAN AND ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
6. CONTRACTOR TO VERIFY CASEWORK EXISTING CONDITIONS. REMOVE EXISTING PLASTIC LAMINATE COUNTER TOP AS REQUIRED AND REPLACE W/ NEW SOLID SURFACE COUNTER TOP AND REINSTALL EXISTING SINK/FAUCET. FIELD ADJUST ALL CASEWORK DOORS AS NEEDED. IF DOOR(S) CANNOT BE ADJUSTED, REPLACEMENT IS REQUIRED.
7. EXISTING CORRIDOR FLOOR TO REMAIN. PROTECT EXISTING FLOORS AS REQUIRED DURRING ALL DEMOLITION/CONSTRUCTION WORK. REPAIR FLOORS AS REQUIRED TO MATCH EXISTING.

CEILING DEMOLITION KEY NOTES

8. REMOVE EXISTING ACOUSTICAL TILE/GWB CEILING/SOFFIT AND GRID AS REQUIRED TO RECEIVE NEW FINISHES AND ACCOMMODATE NEW CONSTRUCTION.
9. REMOVE ALL EXISTING MEP FIXTURES & ACCESSORIES. SEE REFLECTED CEILING PLAN FOR NEW CONFIGURATION.
10. REMOVE EXISTING LIGHT FIXTURE. COORDINATE WITH MEP DRAWINGS.

Revisions

No.	Date	Description
1.	04/24/2024	RELEASED FOR BIDDING
2.	05/30/2024	REVISED SCOPE/ RELEASED FOR BIDDING

NOTES:
1. REMOVE AND REINSTALL ACOUSTICAL TILE CEILING, GRID SYSTEM, ETC. AS REQUIRED FOR INSTALLATION OF NEW ABOVE CEILING MECHANICAL UNIT AND NEW DUCTWORK; SEE MECH. DWGS. FOR ADDITIONAL INFORMATION.

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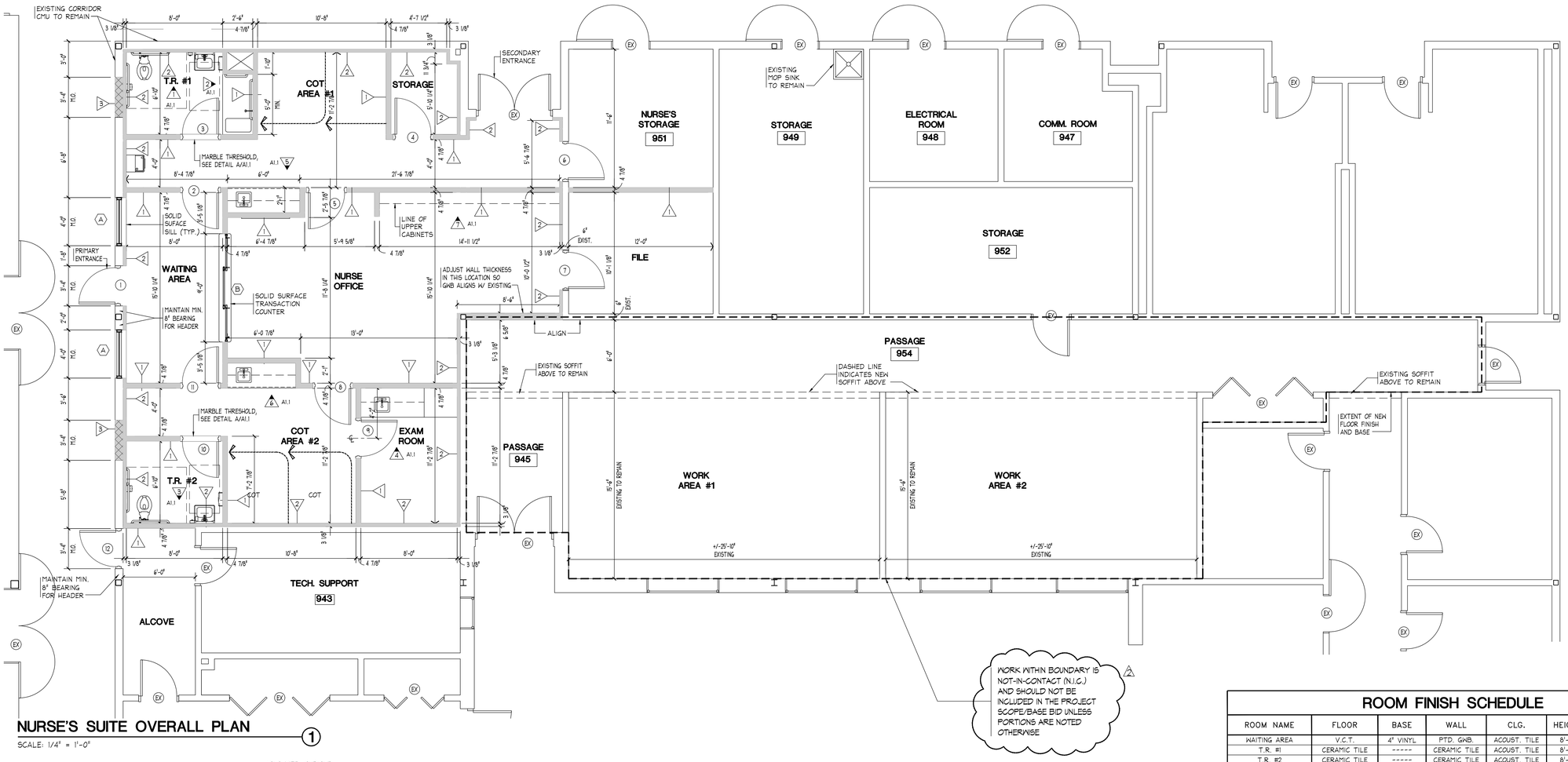
Drawing: DEMOLITION PLAN & NOTES

Scale	Job	Sheet
AS NOTED	23.116	D1.0
Drawn: MA	Date: 05/22/24	2 of 4



NURSE'S SUITE OVERALL PLAN ①

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

NURSES SUITE REFLECTED CEILING PLAN ②

SCALE: 3/16" = 1'-0"

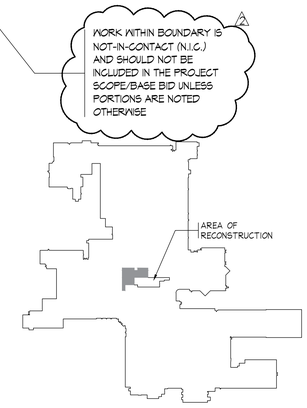
ROOM FINISH SCHEDULE

ROOM NAME	FLOOR	BASE	WALL	CLG.	HEIGHT	REMARKS
WAITING AREA	V.C.T.	4" VINYL	PTD. GWB.	ACOUST. TILE	8'-6"	
T.R. #1	CERAMIC TILE	-----	CERAMIC TILE	ACOUST. TILE	8'-0"	
T.R. #2	CERAMIC TILE	-----	CERAMIC TILE	ACOUST. TILE	8'-0"	
COT AREA #1	V.C.T.	4" VINYL	PTD. GWB.	ACOUST. TILE	8'-6"	
COT AREA #2	V.C.T.	4" VINYL	PTD. GWB.	ACOUST. TILE	8'-6"	
STORAGE	V.C.T.	4" VINYL	PTD. GWB.	ACOUST. TILE	8'-6"	
NURSE'S STORAGE	V.C.T.	4" VINYL	PTD. GWB./CMU	ACOUST. TILE	8'-6"	
NURSE'S OFFICE	V.C.T.	4" VINYL	PTD. GWB.	ACOUST. TILE	8'-6"	
FILE ROOM	V.C.T.	4" VINYL	PTD. GWB./CMU	ACOUST. TILE	8'-6"	
EXAM ROOM	V.C.T.	4" VINYL	PTD. GWB.	ACOUST. TILE	8'-6"	
WORK AREA #1	CARPET TILE	4" VINYL	PTD. GWB./CMU	ACOUST. TILE	8'-6"	
WORK AREA #2	CARPET TILE	4" VINYL	PTD. GWB./CMU	ACOUST. TILE	8'-6"	
PASSAGE	CARPET TILE	4" VINYL	PTD. GWB./CMU	ACOUST. TILE	8'-6"	
ALCOVE	V.C.T.	4" VINYL	PTD. GWB./CMU	ACOUST. TILE	8'-6"	

LEGEND

- 2' x 4' ACOUST. CLG. TILE & SUSPENSION GRID SYSTEM
- 2' x 2' ACOUST. CLG. TILE & SUSPENSION GRID SYSTEM
- G.W.B. CEILING/SOFFIT
- RECESSED 2 x 4 FLUORESCENT FIXTURE
- RECESSED 2 x 2 FLUORESCENT FIXTURE
- APPROX. LOCATION OF EXISTING SPRINKLER HEADS
- RECESSED 2 x 4 EMERGENCY LIGHT NOTE: COORD. ALL EMERG. LIGHT LOCATIONS WITH MEP DRAWINGS, TYP.
- SUPPLY AIR GRILLE
- RETURN AIR GRILLE

GENERAL NOTE:
COORDINATE/V.I.F. ALL EXISTING CEILING MOUNTED DEVICES IN CORRIDOR (CAMERA, FIRE ALARM, INTERCOM, ETC.) DESIGNATED FOR REUSE. SEE MEP DWGS FOR ADDITIONAL INFORMATION.



FIRST FLOOR KEY PLAN ③

N.T.S

Revisions

No.	Date	Description
1.	04/24/2024	RELEASED FOR BIDDING
2.	05/30/2024	REVISED SCOPE/ RELEASED FOR BIDDING

BUILDING DATA

ALL CONSTRUCTION TO COMPLY WITH THE FOLLOWING:

STATE OF NEW JERSEY REHABILITATION SUB CODE 5:23-6; RECONSTRUCTION.
2021 INTERNATIONAL BUILDING CODE - NEW JERSEY EDITION AS REFERENCED BY THE REHABILITATION SUB CODE

BARRIER FREE SUBCODE - ICC/ANSI 117.1-2017

CONSTRUCTION CLASSIFICATION: 2B
AREA OF RECONSTRUCTION: 1,615 SF
CURRENT USE GROUP: E - EDUCATIONAL
PROPOSED USE GROUP: E - EDUCATIONAL

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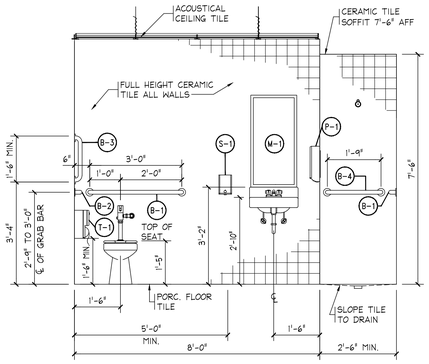
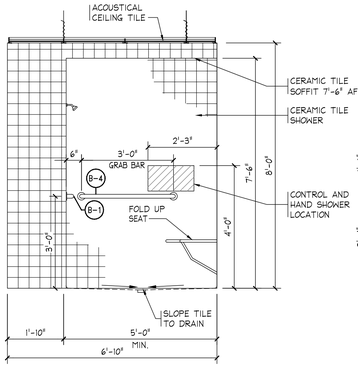
Drawing
NURSES SUITE FLOOR PLAN & CEILING PLAN

Scale	Job	Sheet
AS NOTED	23.116	A1.0
Drawn	Date	3 of 4
MA	05/22/24	



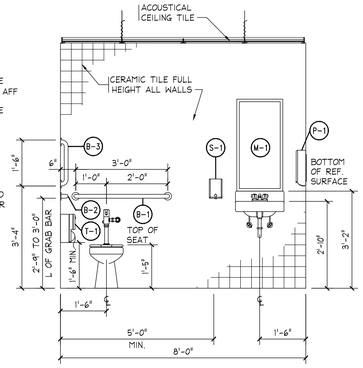
T.R. #1 ELEVATION ①

SCALE: 1/2" = 1'-0"



T.R. #1 ELEVATION ②

SCALE: 1/2" = 1'-0"



T.R. #2 ELEVATION ③

SCALE: 1/2" = 1'-0"

TOILET ROOM ACCESSORY SCHEDULE

ROOM NAME	B-1	B-2	B-3	B-4	T-1	P-1	S-1	M-1
	GRAB BARS				TOILET TISSUE DISPENSER B-2888	PAPER TOWEL DISPENSER B-262	SOAP DISPENSER B-2111	MIRROR B-1836
	B-6806							
	36"	42"	18"	24"				
T.R. #1	(2)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
T.R. #2	(1)	(1)	(1)	-	(1)	(1)	(1)	(1)

NOTES:
1. LISTED "B" MODEL NUMBERS ARE MANUFACTURED BY BOBRICK. STAINLESS STEEL W/ SATIN FINISH UNLESS NOTED OTHERWISE.

CONCRETE / STEEL LINTEL SCHEDULE

(NON-BEARING WALLS)

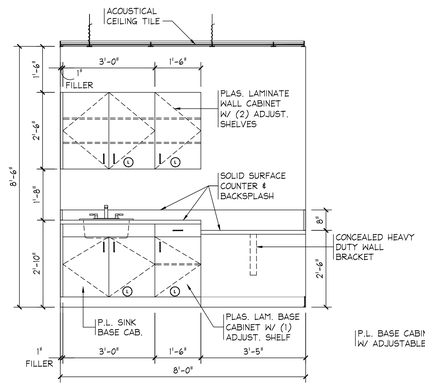
WIDTH OF OPENING	STEEL FOR EACH 4" OF WALL THICKNESS	REINF. CONC. FOR EACH 4" OF WALL THICKNESS	REMARKS
UP TO 2'-11"	∠3 1/2x3 1/2x5/16	(1) #4 TOP & BOTTOM	
3'-0" TO 3'-11"	∠4x3 1/2x5/16	(1) #4 TOP & BOTTOM	
4'-0" TO 5'-11"	∠5x3 1/2x5/16	(1) #4 TOP & BOTTOM	
6'-0" TO 8'-0"	∠6x3 1/2x5/16	(1) #5 TOP & BOTTOM	

NOTES:
1) ALL CONCRETE LINTELS SHALL BE 4000 PSI CONCRETE AT 28 DAYS WITH GRADE 60 REINFORCING
2) ALL STEEL LINTELS SHALL BE ASTM A-36.
3) FILL CMU VOIDS SOLID (2) COURSES BELOW LINTEL BEARING.
4) ALL LINTELS SHALL HAVE 8" MINIMUM BEARING U.N.O.

DOOR SCHEDULE

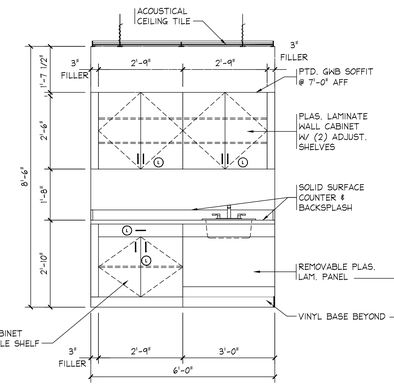
NO.	DOOR WIDTH	DOOR HEIGHT	DOOR THK.	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	FRAME TYPE	FRAME HEAD	FRAME JAMB	FRAME SILL	HDW. NO	FIRE RATING	REMARKS
1	3'-0"	7'-0"	1 3/4"	HL	S.C. WOOD	MFR.	HOL. MTL.	PTD.	1	DH-2	DJ-2	DS-1	03	-	
2	3'-0"	7'-0"	1 3/4"	HL	S.C. WOOD	MFR.	HOL. MTL.	PTD.	2	DH-1	DJ-1	DS-1	03.1	-	
4	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	MFR.	HOL. MTL.	PTD.	2	DH-1	DJ-1	DS-1	01.1	-	UNDER CUT DOOR
4	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	MFR.	HOL. MTL.	PTD.	2	DH-1	DJ-1	DS-1	03.1	-	
5	3'-0"	7'-0"	1 3/4"	HL	S.C. WOOD	MFR.	HOL. MTL.	PTD.	2	DH-1	DJ-1	DS-1	03.2	-	
6	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	MFR.	HOL. MTL.	PTD.	1	DH-2	DJ-2	DS-1	03.1	-	
7	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	MFR.	HOL. MTL.	PTD.	1	DH-2	DJ-2	DS-1	03.2	-	
8	3'-0"	7'-0"	1 3/4"	HL	S.C. WOOD	MFR.	HOL. MTL.	PTD.	2	DH-1	DJ-1	DS-1	03.1	-	
9	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	MFR.	HOL. MTL.	PTD.	2	DH-1	DJ-1	DS-1	02	-	
10	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	MFR.	HOL. MTL.	PTD.	2	DH-1	DJ-1	DS-1	01	-	UNDER CUT DOOR
11	3'-0"	7'-0"	1 3/4"	HL	S.C. WOOD	MFR.	HOL. MTL.	PTD.	2	DH-1	DJ-1	DS-1	03.1	-	
12	3'-0"	7'-0"	1 3/4"	HL	S.C. WOOD	MFR.	HOL. MTL.	PTD.	1	DH-2	DJ-2	DS-1	01	-	

GENERAL NOTE:
1. DOOR FINISH TO MATCH EXISTING.
2. FRAME COLOR TO MATCH EXISTING.
3. ALL DOORS TO HAVE FULL HEIGHT CONTINUOUS HINGES.



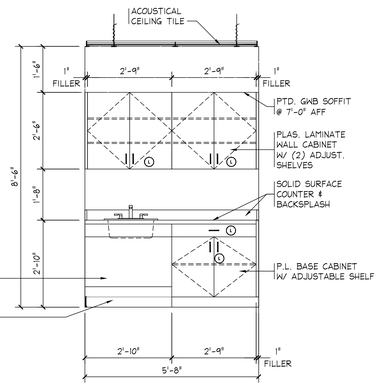
EXAM ROOM ④

SCALE: 1/2" = 1'-0"



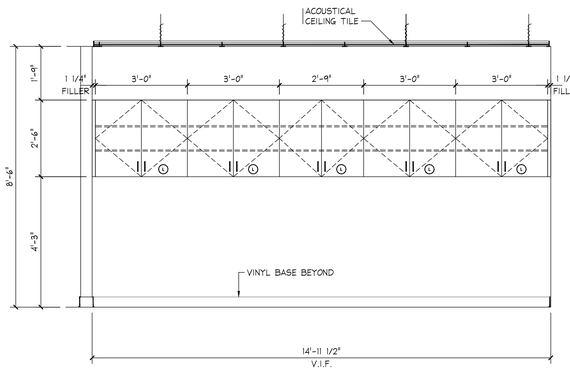
COT AREA #1 ⑤

SCALE: 1/2" = 1'-0"



COT AREA #2 ⑥

SCALE: 1/2" = 1'-0"



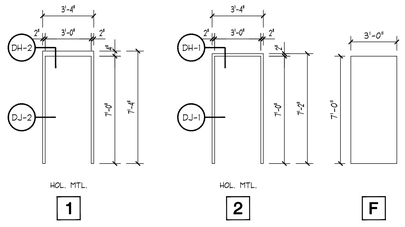
NURSE OFFICE ⑦

SCALE: 1/2" = 1'-0"

GLAZING SCHEDULE

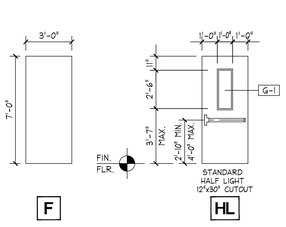
TYPE	DESCRIPTION
G-1	1/4" TEMPERED GLASS

NOTE:
SEE SPECIFICATION FOR ADDITIONAL INFORMATION



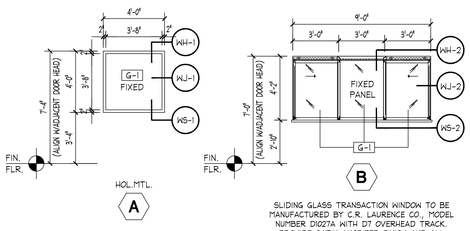
HOLLOW METAL FRAME TYPES

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



DOOR TYPES

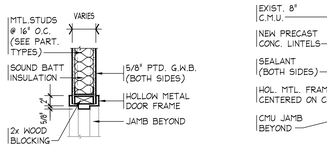
SCALE: 1/4" = 1'-0"



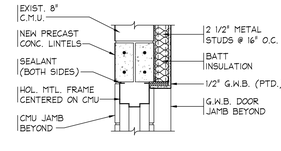
SLIDING GLASS TRANSACTION WINDOW TO BE MANUFACTURED BY C.R. LAURENCE CO., MODEL NUMBER D1027A WITH D7 OVERHEAD TRACK. PROVIDE SATIN ANODIZED FINISH AND ALL COMPONENTS/ACCESSORIES REQUIRED FOR PROPER OPERATION AND A COMPLETE INSTALLATION

WINDOW TYPES

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

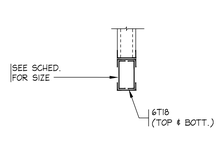


DH-1

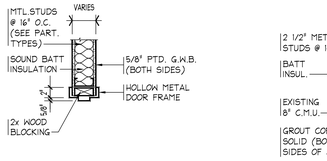


DH-2

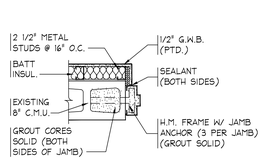
METAL STUD HEADER SCHEDULE (NON-BEARING WALLS)			
WIDTH OF OPENING	METAL STUD LINTEL SIZE	JAMB STUDS	BRACING
UP TO 7'-0"	(2) 6SW16	(2) STUD	N.R.
7'-0" TO 10'-0"	(2) 8SW14	(2) STUD	N.R.
10'-0" TO 12'-0"	(2) 10SW14	(2) STUD	KICKERS REQ'D @ 4'-0" O.C.
12'-0" TO 16'-0"	(2) 2SW12	(2) STUD	KICKERS REQ'D @ 4'-0" O.C.
16'-0" TO ABOVE	(2) 14JI2	(2) STUD	KICKERS REQ'D @ 4'-0" O.C.



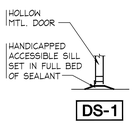
TYPICAL HEADER DETAIL



DJ-1



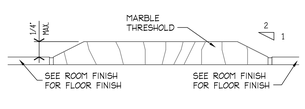
DJ-2



DS-1

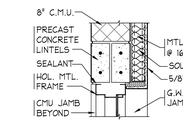
DOOR FRAME HEAD, JAMB DETAILS

SCALE: 1" = 1'-0"

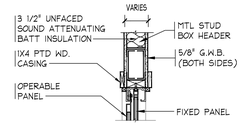


THRESHOLD DETAIL ①

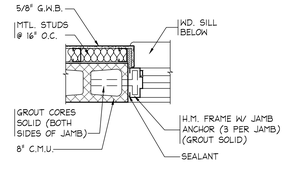
SCALE: NOT TO SCALE



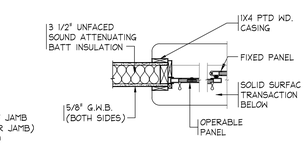
WH•1



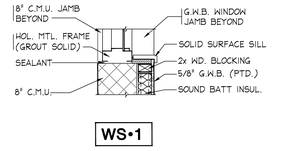
WH•2



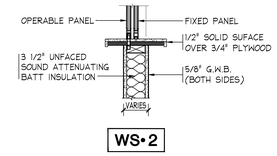
WJ•1



WJ•2



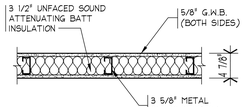
WS•1



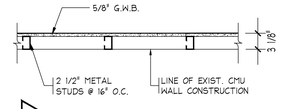
WS•2

WINDOW FRAME HEAD, JAMB, & SILL DETAILS

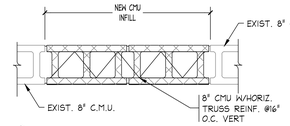
SCALE: 1" = 1'-0"



1 PARTITION TYPE



2 PARTITION TYPE



4 PARTITION TYPE

Revisions

No.	Date	Description
1.	04/24/2024	RELEASED FOR BIDDING
2.	05/30/2024	REVISED SCOPE/ RELEASED FOR BIDDING

NOTES:
1. FOR A COMPLETE AND PROPER INSTALLATION SUITABLE FOR A TILE FINISH IN SHOWER USE ALL SCHLUTER COMPONENTS AS REQUIRED BY THE MANUFACTURER INCLUDING BUT NOT LIMITED TO KERDI BOARD BONDED WATERPROOF MEMBRANE, KERDI WATERPROOF CORNERS,KERDI-BAND, PVC DRAIN BODY, POLISHED CHROME DRAIN COVER, PIPE SEAL, MIXING VALVE SEAL, SEALING BANDING COMPOUND, ETC.
2. PROVIDE INTEGRAL CERAMIC TILE COVE BASE THROUGHOUT SHOWER STALL AND TOILET ROOMS.
3. PROVIDE 5/8" CEMENTITIOUS BOARD IN LIEU OF 5/8" MOISTURE RESISTANT GWB IN ALL SHOWER AREAS.
4. PROVIDE / INSTALL RECESSED CONCRETE SLAB SLOPED TO DRAIN IN AREA OF NEW SHOWER. PORCELAIN FLOOR TILE TO BE INSTALLED IN FULL BED SLOPING TO CENTER DRAIN. DEPRESS NEW SLAB AS REQUIRED.

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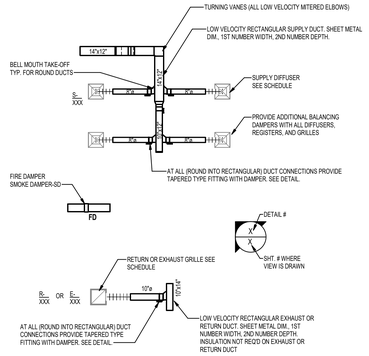
David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-13038
Peter W. Farrell AIA AI-13618

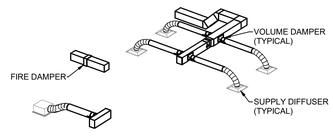
Project
ATLANTIC COUNTY SPECIAL SERVICES SCHOOL
NEW
NURSE SUITE & MISC. ALTERATIONS
4805 NAWAKWA BLVD.
MAYS LANDING, NJ 08330

Drawing
SCHEDULES, INTERIOR ELEVATIONS, DOOR WINDOW ELEVATION, PARTITION TYPES

Scale: AS NOTED
Job: 23.116
Drawn: MA/AA
Date: 05/22/24
Sheet: A1.1
4 of 4



PLAN VIEW



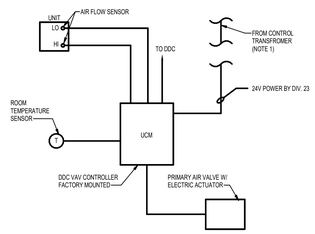
ISOMETRIC VIEW

HVAC DUCT LEGEND

SCALE: NONE

NOTES:

1. ALL DUCTWORK DIMENSIONS ARE EXTERIOR DIMENSIONS OF DUCT.
2. ALL MEDIUM PRESSURE TAKEOFFS TO HAVE 45° LATERAL OR SIMILAR EVEN IF NOT SPECIFICALLY SHOWN IN DRAWINGS.
3. PROVIDE ADDITIONAL BALANCING DAMPERS IN TAKEOFF TO ALL GRILLES/DIFFUSERS AND AT ALL GRILLES/DIFFUSERS.
4. DUCTWORK INSTALLATION SHALL MEET ALL REQUIREMENTS OF NFPA 90A/SMACNA.



TERMINAL UNIT CONTROL DIAGRAM (DDC)

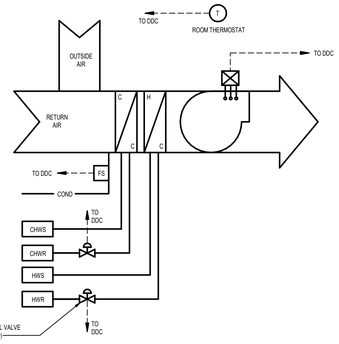
SCALE: NONE

NOTES:

1. PROVIDE 24V CONTROL TRANSFORMER. ONE MAY SERVE UP TO SIX UNITS. TRANSFORMERS SHALL BE LOCATED IN ELECTRICAL ROOMS AS INDICATED ON PLANS. LOW VOLTAGE WIRING SHALL BE BY DIV. 23.
2. SHUT OFF VALVES, CONTROL VALVES, AND TERMINAL UNITS SHALL BE LOCATED ABOVE LAY-IN CEILING OR ACCESS PANEL WHERE EASILY-ACCESSIBLE.
3. ALL PIPE FITTINGS ARE NOT INDICATED. SEE DIAGRAMS FOR PIPING LAYOUT.
4. THE ELECTRIC DAMPER ACTUATOR SHALL BE PROVIDED AND MOUNTED BY THE CV UNIT MANUFACTURER.
5. DDC VAV CONTROLLER SHALL BE FURNISHED TO CV UNIT MANUFACTURER FOR FACTORY MOUNTING ON CV UNIT. THE COST OF INSTALLING DDC VAV CONTROLLER AT THE FACTORY SHALL BE PAID BY THE TEMPERATURE CONTROL CONTRACTOR.

TERMINAL UNIT SEQUENCE OF OPERATION

1. ROOM TEMPERATURE SET POINT SHALL BE SET AT THE THERMOSTAT. WHERE THERMOSTATS HAVE NO SET POINT ADJUSTMENT, THE SET POINT SHALL BE SET THROUGH THE BMS. THE ROOM TEMPERATURE SET POINT MAXIMUM AND MINIMUM AND THE AIRFLOW MAXIMUM AND MINIMUM SHALL BE ADJUSTABLE REMOTELY THROUGH THE BMS.
2. THE DISCHARGE AIR TEMPERATURE LEAVING THE TERMINAL UNIT SHALL BE MONITORED.
3. PRESSURE INDEPENDENCE: A DIFFERENTIAL PRESSURE SENSOR IN THE TERMINAL UNIT SHALL MEASURE THE AIRFLOW ENTERING THE TERMINAL UNIT. THE DAMPER SHALL MODULATE TO MAINTAIN THE AIRFLOW SET POINT, SO THAT THE AIRFLOW IS INDEPENDENT OF FLUCTUATIONS IN THE SUPPLY DUCT STATIC PRESSURE.
4. VARIABLE VOLUME TEMPERATURE CONTROL
   A. TERMINAL UNITS WITH DIFFERENT MAXIMUM AND MINIMUM AIRFLOWS SHALL FOLLOW THIS SEQUENCE.
   B. THERE SHALL BE A DEAD BAND OF 2°F (ADJ) BETWEEN THE COOLING SET POINT AND THE HEATING SET POINT. THE COOLING SET POINT SHALL BE EQUAL TO THE ROOM SET POINT
   C. WHEN THE ROOM TEMPERATURE RISES ABOVE THE COOLING SET POINT, THE DAMPER SHALL MODULATE OPEN TO MAINTAIN THE CALCULATED AIRFLOW SET POINT, WHICH IS BETWEEN THE MINIMUM AND MAXIMUM AIRFLOW. WHEN THE ROOM TEMPERATURE FALLS BELOW THE COOLING SET POINT, THE DAMPER SHALL MODULATE TO MAINTAIN THE MINIMUM AIRFLOW. THE CONTROL VALVE SHALL REMAIN CLOSED WHENEVER THE ROOM TEMPERATURE IS ABOVE THE HEATING SET POINT.
   D. WHEN THE ROOM TEMPERATURE FALLS BELOW THE HEATING POINT, CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN THE ROOM TEMPERATURE AT THE HEATING SET POINT.



LOW PRESSURE AIR HANDLING UNIT CONTROL DIAGRAM

NOTES:

1. SHUT OFF VALVES, CONTROL VALVES, AND AIR HANDLING COIL UNITS SHALL BE LOCATED ABOVE LAY-IN CEILING OR ACCESS PANEL WHERE EASILY-ACCESSIBLE.
2. ALL PIPING FITTINGS ARE NOT SHOWN. SEE DIAGRAMS FOR PIPING LAYOUT.

AIR HANDLING UNIT SEQUENCE OF OPERATION

1. ROOM TEMPERATURE SETPOINT SHALL BE SET AT THE THERMOSTAT. WHERE THERMOSTATS HAVE NO SETPOINT ADJUSTMENT, THE SETPOINT SHALL BE SET THROUGH THE BMS. THE ROOM TEMPERATURE SETPOINT MAXIMUM AND MINIMUM SHALL BE ADJUSTABLE REMOTELY THROUGH THE BMS.
2. THE DISCHARGE AIR TEMPERATURE LEAVING THE AIR HANDLING UNIT SHALL BE MONITORED.
3. UNIT FANS SHALL RUN CONTINUOUSLY DURING OCCUPIED MODE AND CYCLE ON/OFF DURING UNOCCUPIED MODE.
4. WHEN THE ROOM TEMPERATURE FALLS BELOW THE ROOM TEMPERATURE SETPOINT, THE REHEAT CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN THE ROOM TEMPERATURE AT THE ROOM TEMPERATURE SETPOINT. THE REHEAT CONTROL VALVE SHALL REMAIN CLOSED WHENEVER THE ROOM TEMPERATURE IS ABOVE THE ROOM TEMPERATURE SETPOINT AND THE COOLING CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN THE ROOM TEMPERATURE AT THE ROOM TEMPERATURE SETPOINT.
5. PROGRAM UNIT WITH DEHUMIDIFICATION CYCLE TO LOWER TEMPERATURE TO DEHUMIDIFY AIR AND REHEAT TO MAINTAIN SPACE TEMPERATURE.
6. CONDENSATE DRAIN SHALL CONTAIN FLOAT SWITCH WHICH SHALL ALARM TO BMS AND DE-ENERGIZE UNIT UPON SENSING HIGH WATER LEVELS.

HVAC SYMBOLS AND ABBREVIATIONS LEGEND

SYMBOLS

3D	2D	
	HWS	HOT WATER SUPPLY
	HWR	HOT WATER RETURN
	CWS	CHILLED WATER SUPPLY
	CWR	CHILLED WATER RETURN
		GATE VALVE
		GLOBE VALVE
		BALL VALVE
		BUTTERFLY VALVE
		FLOW MEASURING / BALANCING VALVE
		CHECK VALVE
		UNION
		STRAINER
	P	PRESSURE GAUGE W/ GAUGE COCK
	T	TEMPERATURE GAUGE
		PRESSURE & TEMPERATURE TEST PLUG
		2-WAY CONTROL VALVE
		3-WAY CONTROL VALVE
		FLOW - IN DIRECTION OF ARROW
		PRESSURE RELIEF VALVE
		THERMOMETER
	M	AUTOMATIC DAMPER (MOTOR OPERATED)
		MANUAL DAMPER
		MANUAL AIR VENT
		AUTOMATIC AIR VENT
		END CAP
		FLEX CONNECTION
	T	ADJUSTABLE ROOM THERMOSTAT
	TS	ROOM SENSOR, ADJUSTABLE AT BMS ONLY
	CO	CARBON MONOXIDE SENSOR
	CO2	CARBON DIOXIDE SENSOR
	H	HUMIDITY SENSOR
		HATCHING DENOTES ITEMS TO BE REMOVED
		POINT OF CONNECTION - PROJECT INSTALLED TO EXISTING

O.A.	OUTSIDE AIR
S.A.	SUPPLY AIR
R.A.	RETURN AIR
CAP.	CAPACITY
PRESS.	PRESSURE
TEMP.	TEMPERATURE
MIN.	MINIMUM
MAX.	MAXIMUM
SIM.	SIMILAR
AUTO.	AUTOMATIC
EX	EXISTING
CONC.	CONCRETE
AHU	AIR HANDLING UNIT
GPM	GALLONS PER MINUTE
SF	SUPPLY FAN
RF	RETURN FAN
BTUH	BTU/H
A.F.F.	ABOVE FINISHED FLOOR
EF	EXHAUST FAN
TYP.	TYPICAL
CONN.	CONNECTION
AS	AIR SEPARATOR
ET	EXPANSION TANK
FD	FIRE DAMPER
F.D.	FLOOR DRAIN
FSD	FIRE SMOKE DAMPER
HTR	HEATER
VAV	VARIABLE AIR VOLUME
CLG.	CEILING
T.C.	TEMPERATURE CONTROL
DN.	DOWN
MECH.	MECHANICAL
RM	ROOM
S.P.	STATIC PRESSURE
SHT.	SHEET
ASSOC.	ASSOCIATED
REF.	REFERENCE
EAT	ENTERING AIR TEMPERATURE
LAT	LEAVING AIR TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
LWT	LEAVING WATER TEMPERTATURE
UH	UNIT HEATER
AAV	AUTOMATIC AIR VENT
MAV	MANUAL AIR VENT
SP	SETPOINT

SCHEDULE OF GRILLES & DIFFUSERS

NOTES:
1. FINISH SHALL BE AS DIRECTED BY ARCHITECT FROM MANUFACTURER STANDARD OPTIONS FOR MATERIALS DENOTED BY MODEL NUMBER.
2. PROVIDE WITH VOLUME DAMPER.
3. HEIGHT A.F.F. SHALL BE COORDINATED WITH G.C. AND ARCHITECT AS REQUIRED.
4. PROVIDE WITH ECOAIR OR EQUAL DIFFUSER INSULATION TENT (OR FIELD HVAC INSULATION PER SPEC 230700 MAY BE PROVIDED).
5. SHOP DRAWINGS MUST INCLUDE PERFORMANCE DATA OR THEY WILL BE REJECTED.

MARK	MANUF	MODEL No.	CORE TYPE	INLET DIM	NOM. CFM	THROW (FT)	A.P.D. (IN.)	SOUND N.C.	THROW DIR	MOUNTING	NOTES
E-1	TITUS	PAR	PERFORATED	10X22	500	-	0.03	< 10	-	LAY-IN	1,2,3,5
R-1	TITUS	PAR	PERFORATED	12X12	500	-	0.09	20	-	LAY-IN	1,2,3,5
R-2	TITUS	PAR	PERFORATED	10X12	500	-	0.03	< 10	-	LAY-IN	1,2,3,5
S-1	TITUS	OMNI	PLAQUE	6"	100	2	0.02	< 10	4 WAY	LAY-IN	ALL
S-2	TITUS	OMNI	PLAQUE	8"	210	4	0.04	< 10	4 WAY	LAY-IN	ALL
S-3	TITUS	OMNI	PLAQUE	10"	380	7	0.08	15	4 WAY	LAY-IN	ALL
S-4	TITUS	OMNI	PLAQUE	6"	100	4	0.08	< 10	4 WAY	SURFACE	ALL

GENERAL REMOVAL NOTES:

A. THE DRAWINGS AND EACH SPECIFICATION SECTION ARE COMPLEMENTARY, ONE TO THE OTHER, AND THAT WHICH IS SHOWN ON THE DRAWINGS OR CALLED FOR IN ANY SPCIFICATION SECTION SHALL BE AS BINDING AS IF IT WERE SHOWN ON ALL DRAWINGS AND CALLED FOR IN EACH SPECIFICATION SECTION.

B. THE REMOVAL DRAWINGS SHALL SERVE TO AID THE CONTRACTOR IN THE EVALUATION OF THE EXTENT OF REMOVALS, BUT SHALL NOT BE HELD TO BE ALL INCLUSIVE.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE AREA TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. VERIFY SIZE, LOCATION, AND USAGE OF EXISTING UTILITIES PRIOR TO REMOVAL. FOR FURTHER INFORMATION WITH REGARD TO THE EXTENT OF REMOVALS, SEE THE CONSTRUCTION DRAWINGS AND THE ARCHITECTURAL DRAWINGS WHICH SHOW WORK TO BE PERFORMED.

D. OWNER SHALL BE GIVEN FIRST CHOICE ON ALL EQUIPMENT BEING REMOVED THAT WILL NOT BE RELOCATED. CONTRACTOR SHALL REVIEW THE EXISTING EQUIPMENT WITH OWNER. EQUIPMENT BEING REMOVED OR RELOCATED SHALL BE REMOVED IN A MANNER THAT REUSE IS POSSIBLE AND STORED AS DIRECTED BY OWNER. ALL OTHER EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED & DISPOSED OF FROM THE SITE BY THE CONTRACTOR.

E. CUT, PATCH & REPAIR ALL OPENINGS IN WALLS, FLOORS, CEILINGS, ETC. WHERE REQUIRED BY THE REMOVAL OF EQUIPMENT, DUCTWORK, AND ACCESSORIES. PATCHING SHALL MATCH EXISTING CONSTRUCTION & FINISHES. COORDINATE ALL PATCHING AND FINISHES WITH ARCHITECT. PATCHING OF FIRE WALLS SHALL MEET THE RATING AND SHALL BE INSTALLED PER ARCHITECTURAL SPECIFICATION.

F. IF EQUIPMENT TO REMAIN MUST BE REMOVED DUE TO REMOVAL OR CONSTRUCTION, THE EQUIPMENT SHALL BE RELOCATED IN A MANNER THAT IS ACCEPTABLE BY THE ARCHITECT/ENGINEER.

G. PROPER CONNECTIONS, MATERIALS, AND SIZES OF DUCTWORK/PIPING SHALL BE MAINTAINED TO ENSURE EQUIPMENT IS MADE FULLY OPERATIONAL.

H. REMOVAL OF EXISTING EQUIPMENT SHALL BE MADE SO THAT SERVICE TO OTHER AREAS UTILIZED BY THE OWNER ARE NOT INTERRUPTED WITHOUT CONSENT FROM OWNER. PROVIDE TEMPORARY VALVES AND TEMPORARY SERVICES REQUIRED DURING REMOVALS AND CONSTRUCTION.

I. REMOVE COMPLETELY ALL EXISTING HVAC EQUIPMENT, ALL ASSOCIATED PIPING, CONTROLS, AND SUPPORTS BEING MADE OBSOLETE BY THIS CONSTRUCTION. REMOVAL OF HVAC DUCTWORK AND PIPING SHALL BE MADE BACK TO MAINS AS INDICATED BY THE HATCHING. WORK ASSOCIATED WITH THE MAINS SHALL BE DONE DURING OFF HOURS.

GENERAL NOTES:

A. CONTRACTOR SHALL PROVIDE MANUFACTURER'S RECOMMENDED ACCESS TO ALL EQUIPMENT, TERMINAL UNITS AND VALVES. ACCESS SHALL BE REMOVABLE CEILING TILES OR CEILING ACCESS PANELS. COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH OTHER TRADES TO AVOID CONFLICT.

B. REFER TO ARCHITECTUAL REFLECTED CEILING PLAN FOR LOCATION OF GRILLES AND DIFFUSERS.

C. FOR ALL WALLS THAT ARE EXTENDED TO STRUCTURE PROVIDE SLEEVES FOR PIPING AND DUCTWORK PENETRATING WALLS (REFERENCE SPECIFICATIONS).

D. DRAWINGS ARE DIAGRAMMATIC. PROVIDE ADDITIONAL OFFSETS, TRANSITIONS, ETC. AS REQUIRED TO AVOID INTERFERENCE'S ENCOUNTERED. FULL COORDINATION DRAWINGS WITH OTHER TRADES ARE REQUIRED.

E. PROVIDE FIRE DAMPERS AT ALL DUCT FLOOR PENETRATIONS NOT CONCEALED WITHIN A FIRE RATED CHASE.

F. IF THE CONTRACTOR DOES NOT CLEARLY UNDERSTAND THESE PLANS OR IS NOT SURE OF THEIR MEANING. HE SHOULD OBTAIN THE ARCHITECTS WRITTEN EXPLANATION AND INTERPRETATION PRIOR TO SUBMITTING HIS BID, SINCE THE CONTRACTORS WILL BE HELD RIGIDLY TO THE INTERPRETATION OF THE ARCHITECT.

G. CUT, PATCH, REPAIR AND RESTORE TO ORIGINAL CONDITION ALL OPENINGS IN WALLS, FLOORS, CEILINGS, ETC. WHERE REQUIRED. PATCHING SHALL MATCH EXISTING CONSTRUCTION & FINISHES. COORDINATE ALL PATCHING AND FINISHES WITH ARCHITECT.

H. RELOCATION OF EXISTING PIPE AND EQUIPMENT HANGERS REQUIRED FOR INSTALLATION WORK SHALL BE CONSIDERED PART OF THIS CONTRACT.

I. PROVIDE BALANCING DAMPERS FOR ALL S.A., R.A., AND E.A. DUCT BRANCH TAKEOFFS AND RUNOUTS TO GRILLES, DIFFUSERS, ETC.

J. USE RADIUS ELBOWS. IF SPACE ISN'T AVAILABLE, MITERED ELBOWS ARE ACCEPTABLE. PROVIDE TURNING VANES IN ALL RECTANGULAR MITERED ELBOWS, SUPPLY AND RETURN DUCTWORK.

K. INSTALL FLEX DUCTS FULLY EXTENDED, DO NOT BEND DUCTS ACROSS SHARP CORNERS. BENDS OF FLEX DUCTS SHALL NOT EXCEED A MINIMUM OF 1 DUCT DIAMETER. AVOID CONTACT OF FLEX DUCT WITH METAL FIXTURES, WATER LINES, PIPES, OR CONDUITS.

WATER BALANCING SCOPE:

1. RECORD WATER FLOW READINGS AT EACH EXISITNG TERMINAL UNIT AND AT THE SOURCE EQUIPMENT BEFORE REMOVAL WORK BEGINS.
2. UPON COMPLETION OF PIPING MODIFICATIONS, RECORD FINAL WATER FLOW RATES WITHIN THE PROJECT AREA AND AT THE SOURCE EQUIPMENT. TOTAL WATER FLOW RATES WITHIN THE PROJECT AREA AND AT THE SOURCE EQUIPMENT SHALL BE WITHIN 5% OF EXISING CONDITION/DESIGN FLOW RATES.

SCHEDULE OF AIR HANDLER UNIT

NOTES:
1. PROVIDE UNIT WITH MERV-13 FILTERS.
2. SEE SCHEDULE OF COILS FOR COIL PERFROMANCE.
3. PROVIDE UNIT WITH SINGLE ZONE VAV CONTROLLER AND MODULATING ECM SUPPLY FAN.
5. SHOP DRAWINGS MUST INCLUDE PERFORMANCE DATA OR THEY WILL BE REJECTED.

MARK	MANUF	MODEL No.	CFM	MIN O.A. CFM	E.S.P.	FRPM	HP	ELECTRICAL CHARACTERISTICS		NOTES
								VOLTAGE	PHASE	
AHU-32a	TRANE	BCHE090	2255	300	1.00 in-wg	1032	1	277	1	ALL

SCHEDULE OF COILS

USAGE	LOCATION	CFM	SENSIBLE BTUH	TOTAL (BTU/H)	HEATING (BTU/H)	ENT AIR DB	ENT AIR WB	LVG AIR DB	LVG AIR WB	FLUID EWT	FLUID LWT	GPM	ROWS	VEL (FPM)	APD (in WC)	WPD (FT)
COOLING COIL	AHU-32a	2255	54660	73900		80.0 °F	67.0 °F	58.0 °F	56.6 °F	45 °F	60 °F	10.3	4	370 FPM	0.33	2.78
HEATING COIL	AHU-32a	2255			112000	55.0 °F		100.0 °F		180 °F	153 °F	8.0	1	370 FPM	0.07	1.32

SCHEDULE OF EXHAUST FANS

NOTES:
1. PROVIDE WITH BACKDRAFT DAMPER AND DISCONNECT.
2. SHOP DRAWINGS MUST INCLUDE PERFORMANCE DATA OR THEY WILL BE REJECTED.

MARK	MANUF	MODEL No.	HP	FRPM	CFM	S.P.	ELECTRICAL		FAN MOUNTING	NOTES
							VOLTAGE	PHASE		
EF-19	GREENHECK	G-097-VG	1/4	1372	170	0.60	115	1	ROOF	

SCHEDULE OF VVT TERMINAL UNITS

NOTES:
1. THE #'S AFTER THE "VAV-" CORRESPOND TO THE ROOM WHERE THERMOSTAT IS LOCATED.
2. UNITS SHALL BE PRESSURE INDEPENDENT.
3. AIR VALVE VELOCITY SHALL NOT EXCEED 1300 FPM.
4. PROVIDE 24V CONTROL TRANSFORMER. ONE MAY SERVE UP TO FOUR UNITS.
5. TRANSFORMERS SHALL BE LOCATED IN ELECTRICAL ROOM AS INDICATED ON PLANS...

MARK	MANUF.	MODEL No.	SIZE	MIN CFM	CFM	APD (IN.)	NOTES
VAV-544	TRANE	VCCF	10	200	500	0.00	
VAV-545	TRANE	VCCF	10	200	500	0.00	

NOT IN CONTRACT

RELEASE / REVISION

No.	Date	Description
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2	05/30/2024	REVISED SCOPE/RELEASED FOR BIDDING

BCCLT CONSULTING ENGINEERS

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Project
ATLANTIC COUNTY SPECIAL SERVICES SCHOOL
NEW
NURSE SUITE & MISC. ALTERATIONS
4805 NAWAKWA BLVD.
MAYS LANDING, NJ 08330

Drawing
HVAC LEGEND AND SCHEDULE

Scale	Job	Sheet
As indicated	24018	M0.1
Drawn	**Date**	
DJS	05/22/2024	

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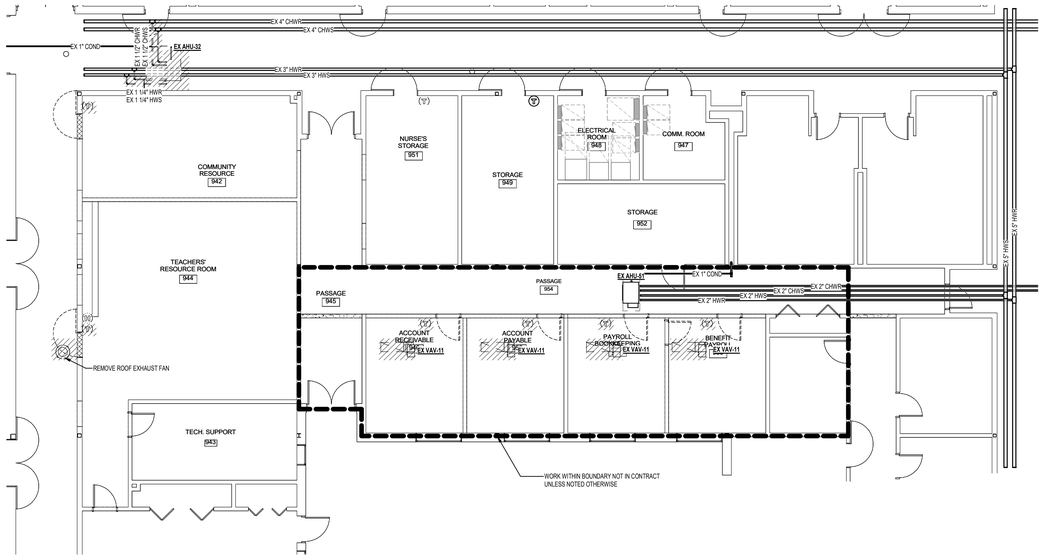
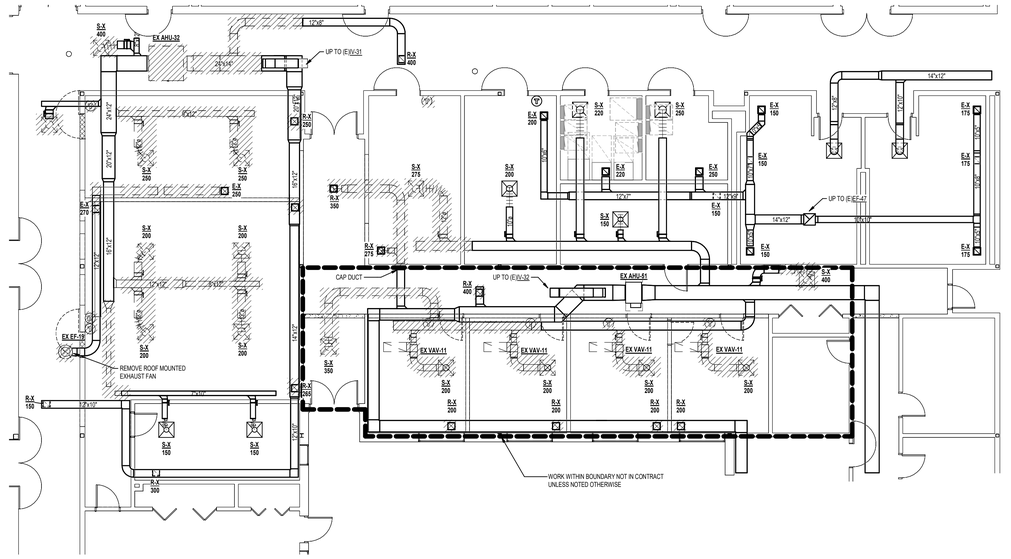


4 PARTIAL FIRST FLOOR HVAC PIPING REMOVAL PLAN
SCALE: 1/8" = 1'-0"



3 PARTIAL FIRST FLOOR HVAC DUCTWORK REMOVAL PLAN
SCALE: 1/8" = 1'-0"

2 PARTIAL FIRST FLOOR HVAC PIPING PLAN
SCALE: 1/8" = 1'-0"

1 PARTIAL FIRST FLOOR HVAC DUCTWORK PLAN
SCALE: 1/8" = 1'-0"

Air Change Worksheet

Room	ROOM DESCRIPTION	Room Area (SF)	People per 1000	OCC	CFM PER PERSON	CFM PER AREA	OA CALC CFM	CLG. Supply (CFM)	CLG. Reheat (CFM)	Exh. (CFM)	Air Bal
	Ahu-32a										
	Top Passage	500	0	0	5	0.12	60	350	350	0	0
	Nurse Storage	138	0	0	5	0.12	17	100	100	0	0
	File	121	0	0	5	0.12	15	90	90		0
	Cot #1 Corridor	160	0	0	5	0.06	10	110	0		110
	Storage	43	0	0	5	0.12	5	30	0		30
	Cot Area #1	70	20	1	7.5	0.12	19	90	90		0
	Toilet #1	67	0	0	0	0.00	0	0	0	100	-100
	Waiting Area	126	30	4	5	0.06	26	150	150		0
	Nurse Office	361	5	2	5	0.06	31	440	440		0
	Corridor Cot 2	76	0	0	5	0.06	5	60	0		60
	Cot Area #2	77	20	2	7.5	0.12	21	90	90		0
	Toilet #2	54	0	0	0	0.00	0	0	0	70	-70
	Exam room	89	20	2	7.5	0.12	24	100	100		0
	Left Passage	324	0	0	5	0.12	39	250	150	0	100
	Tech Support	214	5	1	5	0.06	18	300	300	0	0
	Work Area #1	417	5	2	5	0.06	35	500	450	0	50
	Work Area #2	417	5	2	5	0.06	35	500	450	0	50

FIRST FLOOR KEY PLAN
SCALE: NONE

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MAYS LANDING, NJ 08330

Drawing
PARTIAL FIRST FLOOR HVAC PLAN

Scale	Job	Sheet
As indicated	24018	M1.0
Drawn	**Date**	
DJS	05/22/2024	

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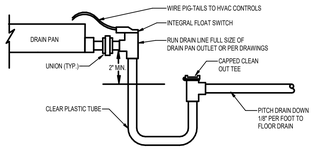
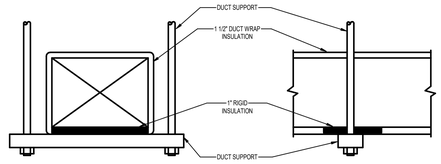


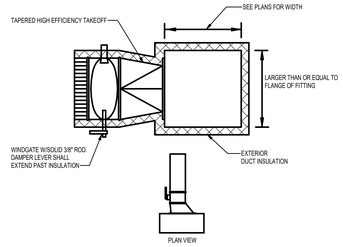
NOTES:
1. CONDENSATE TRAP SHALL BE EZ-TRAP MODEL #EZT-207 OR EQUAL.
2. FLOAT SWITCH SHALL BE WIRED TO SHUT-DOWN UNIT AND ALARM AT THE BMS IF DRAIN LINE BECOMES CLOGGED.
3. FIELD WIRING SHALL BE INCLUDED WORK UNDER SPECIFICATION 230900.

9 CONDENSATE DRAIN WITH FLOAT SWITCH DETAIL
SCALE: NONE



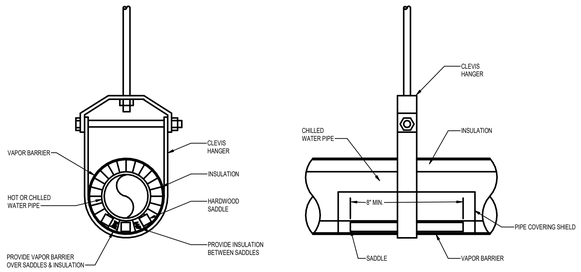
NOTES:
1. PROVIDE 1" RIGID INSULATION BOARD AT EACH DUCT HANGER. INSTALL DUCT WRAP INSULATION AROUND RIGID INSULATION BOARD.

5 DUCT HANGER DETAIL
SCALE: NONE



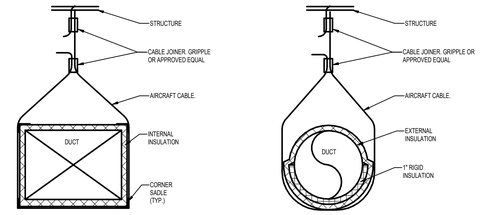
NOTE:
1. MINIMUM OF 6 SCREWS SHALL BE USED TO SECURE TO DUCT MAIN.
2. HETO DESIGNED AND TESTED TO SURPASS SMACNA CLASS 3 LEAKAGE STANDARDS.
3. PRE-SEALED WITH GASKET MADE OF EPDM RUBBER AND CO-POLYMER.
4. ROUND TO ROUND USED TAPERED OR SHOE WITH SADDLE AND DAMPER.

1 VOLUME DAMPER TAPERED FITTING DETAIL
SCALE: NONE



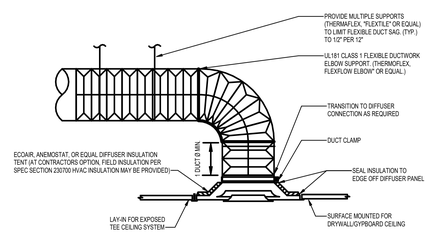
NOTE:
1. PROVIDE PIPE COVERING SHIELD AT EACH CLEVIS HANGER. INSTALL SHIELD BETWEEN VAPOR BARRIER AND CLEVIS HANGER.

10 PIPE HANGER DETAIL
SCALE: NONE



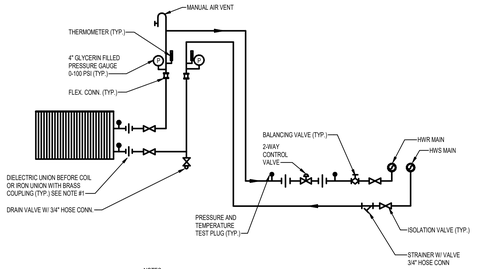
NOTES:
1. FOR EXTERNALLY INSULATED ROUND DUCTS, PROVIDE 1" RIGID INSULATION BOARD AT EACH DUCT HANGER. INSTALL DUCT WRAP INSULATION AROUND RIGID INSULATION BOARD.
2. FOR INTERNALLY INSULATED RECTANGULAR DUCTS, PROVIDE CORNER SADLES.

6 DUCT HANGER - AIRCRAFT CABLE DETAIL
SCALE: NONE



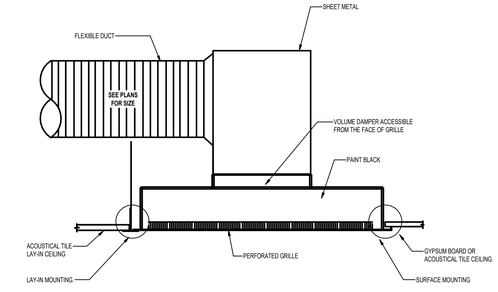
NOTES:
1. FLEX DUCT TO BE 4' MIN. AND 5' MAX. IN LENGTH.
2. CONTRACTOR HAS THE OPTION OF INSTALLING AN INSULATED SHEET METAL TEE WITH CAP IN LIEU OF FLEX FLOW ELBOW.

2 SUPPLY DIFFUSER CONNECTION DETAIL
SCALE: NONE

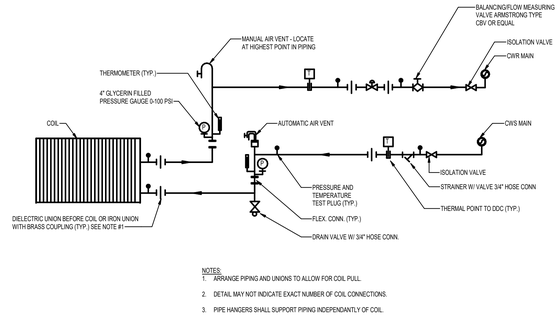


NOTES:
1. ARRANGE PIPING AND UNIONS TO ALLOW FOR COIL PULL.
2. DETAIL MAY NOT INDICATE EXACT NUMBER OF COIL CONNECTIONS.
3. PIPE HANGERS SHALL SUPPORT PIPING INDEPENDANTLY OF COIL.

7 REHEAT COIL PIPING DIAGRAM
SCALE: NONE

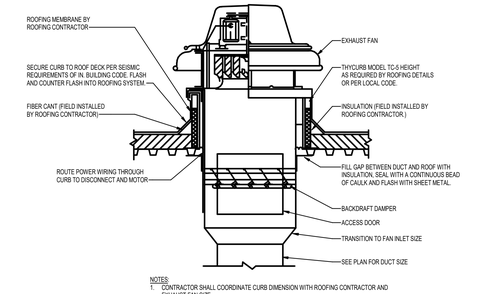


3 RETURN/EXHAUST GRILLE 12x12 CONNECTION DETAIL
SCALE: NONE



NOTES:
1. ARRANGE PIPING AND UNIONS TO ALLOW FOR COIL PULL.
2. DETAIL MAY NOT INDICATE EXACT NUMBER OF COIL CONNECTIONS.
3. PIPE HANGERS SHALL SUPPORT PIPING INDEPENDANTLY OF COIL.

8 CHILLED WATER COIL PIPING DIAGRAM
SCALE: NONE



NOTES
1. CONTRACTOR SHALL COORDINATE CURB DIMENSION WITH ROOFING CONTRACTOR AND EXHAUST FAN SIZE.
2. CONTRACTOR SHALL COORDINATE ALL CODE AND MANUFACTURER CLEARANCES BEFORE INSTALLATION.

4 EXHAUST FAN DETAIL (DOWNBLAST)
SCALE: NONE

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Drawing
HVAC DETAILS

Scale	Job	Sheet
NONE	24018	M2.0
Drawn	Date	
DJS	05/22/24	

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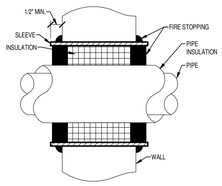
SCHEDULE OF PLUMBING FIXTURES

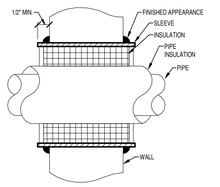
MARK	FIXTURE	MANUFACTURER	MODEL No.	FIXTURE TYPE	FIXTURE MATERIAL	FIXTURE STYLE	FAUCET / VALVE					SUPPLY STOPS	DRAIN				DOMESTIC CW	DOMESTIC HW	SANITARY WASTE	SANITARY VENT	REMARKS
							MANUFACTURER	MODEL No.	SPOUT	HANDLES	CENTERS		TYPE	SIZE	TRAP / ARM SIZE	TAILPIECE					
EWC1	ELECTRIC WATER COOLER	ELKAY	LZS8WSLK	SEMI-RECESSED	STAINLESS STEEL	A.D.A. HEIGHT				FRONT AND SIDE PUSH BUTTON		ZURN Z81016-XL-LR-8860-12-PC			17 GAUGE 1 1/4" x 1 1/2"		1/2"		1 1/2"	1 1/2"	PROVIDE WITH STAINLESS STEEL BUBBLER. P-TRAP SHALL BE ADJUSTABLE CAST BRASS WITH CLEANOUT. MOUNT AT ADA HEIGHT.
L1	LAVATORY	ZURN	Z5344	WALL-HUNG A.D.A. HEIGHT	VITREOUS CHINA	20" X 18" 1-HOLE	ZURN	Z812B4-XL-18F	5-3/8" GOOSENECK 1.5 GPM VR LAMINAR FLOW OUTLET	4" WRIST BLADES	4"	ZURN Z81016-XL-LR-8860-12-PC	ZURN Z8746-PC	1 1/4"	17 GAUGE 1 1/4" x 1 1/2"	OFFSET	1/2"	1/2"	1 1/2"	1 1/2"	PROVIDE WITH CONCEALED ARM WALL CARRIER Z1231-EZR. P-TRAP SHALL BE ADJUSTABLE CAST BRASS WITH CLEANOUT. PROVIDE ZURN Z8946-3-NT PROTECTIVE COVERINGS FOR ALL TAILPIECES, TRAP, SUPPLIES.
S1	SINK	ELKAY	ELUHAD121250	UNDERMOUNT A.D.A.	18 GAUGE, 304 STAINLESS STEEL	A.D.A. SINGLE COMPARTMENT	ZURN	Z871B4-XL-18F	5-3/8" GOOSENECK 1.5 GPM VR LAMINAR FLOW OUTLET	4" WRIST BLADES	8"	ZURN Z81016-XL-LR-8860-12-PC	ZURN Z8739-17-PC	1 1/2"	17 GAUGE 1 1/2" x 1 1/2"	OFFSET	1/2"	1/2"	1 1/2"	1 1/2"	P-TRAP SHALL BE ADJUSTABLE CAST BRASS W/ CLEANOUT.
SB1	SUPPLY BOX	GUY GRAY	SSMIB1AB		304 STAINLESS STEEL, 20 GAUGE							1/4 TURN VALVE SUPPLIED WITH BOX					1/2"				PROVIDE WITH BACKFLOW PREVENTER AND FILTER FOR CONNECTION TO EQUIPMENT. EVERPURE MODEL QL2-OCS FILTER HEAD, MEDIA SHALL BE 0.5 MIRCON AND 0.5 GPM SEE DETAIL. PROVIDE ADDITIONAL FRAMING AROUND BOX FOR SECURE MOUNTING.
SH1	SHOWER	SEE ARCHITECTURAL	---	SHOWER	TILE	A.D.A	ZURN	Z7301-SS-MT	---	SINGLE LEVER	---			2"	2" P-TRAP W/CLEANOUT		1/2"	1/2"	2"	1 1/2"	PROVIDE WITH ZURN Z-415 2" DRAIN WITH POLISHED STAINLESS STEEL STRAINER.
WC1	WATER CLOSET	ZURN	Z5665-BWL1	FLOOR MOUNT FLUSH VALVE	VITREOUS CHINA	A.D.A. ELONGATED SIPHON-JET	ZURN	Z6000AV-WS1		LEVER ON OPEN SIDE OF STALL							1"		4"	2"	1 1/2" TOP SPUD, 1.6 GALLON FLUSH. ZURN Z5955SS-EL-AM-STS SEAT. TOILET FLANGE BOLTS SHALL BE DOUBLE NUTTED.

SCHEDULE OF DRAINS AND CLEANOUTS

MARK	FIXTURE	MANUFACTURER	MODEL No.	TYPE	MATERIAL	STYLE	REMARKS
FCO	FLOOR CLEANOUT	ZURN	ZN1400-VP-BP	NO HUB OR NEO-LOCK	CAST IRON / NICKEL BRONZE TOP	SCORIATED ROUND TOP	VANDAL RESISTANT SECURED TOP. PROVIDE NICKEL BRONZE TOP IN FINISHED AREAS, BRONZE TOP IN UNFINISHED.



INTERIOR RATED WALL

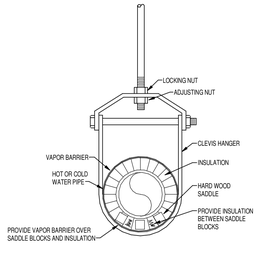


INTERIOR NON RATED WALL

NOTES:

1. INSTALL FIRE STOP PER MANUFACTURERS RECOMMENDATION.
2. SEE ARCHITECT DRAWINGS FOR LOCATIONS.

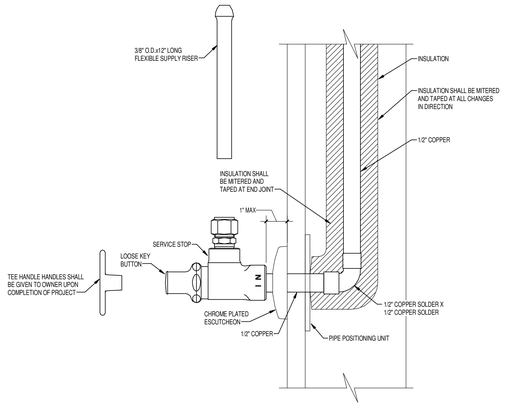
1 INTERIOR PIPE SLEEVE DETAIL
SCALE: NONE



NOTES:

1. PROVIDE PIPE COVERING SHIELD AT EACH CLEVIS HANGER. INSTALL SHIELD BETWEEN BARRIER AND CLEVIS HANGER.
2. THIS DETAIL IS TYPICAL FOR ALL OTHER HANGERS AND SUPPORTS.

2 TYPICAL INSULATED PIPE HANGER DETAIL
SCALE: NONE



3 TYPICAL SERVICE STOP INSTALLATION
SCALE: NONE

PLUMBING LEGEND

WATER CLOSET- TANK TYPE

LAVATORY- WALL HUNG

SINK- SINGLE COMPARTMENT

ELECTRIC WATER COOLER

SHOWER

FLOOR DRAIN

ABBREVIATION

CO	CLEANOUT
CW	DOMESTIC COLD WATER
DB	DRAIN BOX
EWC	ELECTRIC WATER COOLER
EX	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
HW	DOMESTIC HOT WATER
L	LAVATORY
S	COMMERCIAL SINK
SB	SUPPLY BOX
SH	SHOWER
V	SANITARY VENT
VTR	VENT THRU ROOF
W	SANITARY WASTE
WC	WATER CLOSET

SYMBOLS

3D	2D	
		SANITARY WASTE
		SANITARY VENT
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
		GATE VALVE
		PRESSURE REDUCING VALVE
		BALL VALVE
		CHECK VALVE
		CIRCUIT SETTER
		STRAINER
		FLOW-IN DIRECTION OF ARROW
		VALVE IN VERTICAL
		RISE OR DROP
		BRANCH CONNECTION
		RISER DOWN
		RISE UP
		HOSE BIBB
		THERMOMETER
		PRESSURE GAUGE
		END CAP
		CONNECTION POINT - NEW TO EXISTING
		INDICATES REMOVAL
	⑦	KEYNOTE

GENERAL NOTES:

APPLIES TO ALL SHEETS

A. CONDITIONS SHOWN ON THE PLANS RELATIVE TO THE WORK TO BE PERFORMED ARE BASED ON THE BEST INFORMATION AVAILABLE AND SUBJECT TO VERIFICATION. VERIFY LOCATIONS AND ELEVATIONS OF UTILITIES TO BE CROSSED OR CONNECTED. CORRECT DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS AT NO EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT AND ENGINEER OF CONDITION IN CONFLICT WITH THE DETAILS/PLANS.

B. FOR FURTHER INFORMATION WITH REGARD TO THE EXTENT OF DEMOLITION & REMOVALS, SEE THE NEW CONSTRUCTION DRAWINGS AND THE ARCHITECTURAL DRAWINGS WHICH SHOW WORK TO BE PERFORMED.

C. OWNER SHALL BE GIVEN FIRST CHOICE ON ALL EQUIPMENT BEING REMOVED THAT WILL NOT BE RELOCATED. CONTRACTOR SHALL REVIEW THE EXISTING EQUIPMENT WITH OWNER. EQUIPMENT BEING REMOVED OR RELOCATED SHALL BE REMOVED IN A MANNER THAT REUSE IS POSSIBLE AND STORED AS DIRECTED BY OWNER. ALL OTHER EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED & DISPOSED OF FROM THE SITE BY THE CONTRACTOR.

D. CUT, PATCH & REPAIR ALL OPENINGS IN WALLS, FLOORS, CEILING, ETC.. WHERE REQUIRED BY THE REMOVAL OF EQUIPMENT AND ACCESSORIES AND NEW CONSTRUCTION. PATCHING SHALL MATCH EXISTING CONSTRUCTION & FINISHES. COORDINATE ALL PATCHING AND FINISHES WITH ARCHITECT.

E. REMOVAL OF EXISTING UTILITIES SHALL BE MADE SO THAT SERVICE TO OTHER AREAS UTILIZED BY THE OWNER ARE NOT INTERRUPTED WITHOUT CONSENT FROM OWNER. PROVIDE TEMPORARY VALVES AND TEMPORARY SERVICES REQUIRED DURING DEMOLITION AND NEW CONSTRUCTION.

F. EXISTING INFORMATION SHOWN ON FLOOR PLANS IS FROM ORIGINAL RECORD DRAWINGS AND FIELD INVESTIGATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS IN THE FIELD BEFORE COMMENCEMENT OF WORK. THE CONTRACTOR IS REQUIRED TO REPORT TO THE ARCHITECT DISCREPANCIES OR INCONSISTENCIES BETWEEN THE SPECIFIED DESIGN AND EXISTING CONDITIONS FOR CLARIFICATION PRIOR TO COMMENCEMENT OF THE WORK. ABSOLUTE ACCURACY OF THE DRAWINGS CANNOT BE GUARANTEED. WHILE EVERY EFFORT HAS BEEN MADE TO COORDINATE THE LOCATION OF EXISTING EQUIPMENT, PIPING, ETC. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE EXACT REQUIREMENTS GOVERNED BY ACTUAL JOB CONDITIONS.

G. PLUMBING SYSTEMS SHALL BE DESIGNED AND INSTALLED PER LOCAL PLUMBING CODE.

H. REPORT TO ARCHITECT IN WRITING, CONDITIONS WHICH WILL PREVENT PROPER PROVISION OF THIS WORK.

I. THE DRAWINGS SHOWING THE LOCATIONS OF PLUMBING EQUIPMENT, PIPING, ETC. ARE DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE ALL OFFSETS, ADJUSTMENTS ETC. JOB CONDITIONS MAY NOT PERMIT THEIR INSTALLATION AT THE LOCATIONS SHOWN. THE PLUMBING DRAWINGS SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT, PIPING, DEVICES, ETC. & SHALL BE FOLLOWED AS CLOSE AS POSSIBLE.

J. LOCATE VALVES FOR SERVICE ACCESSIBILITY. PROVIDE VALVE TAGS & PLASTIC LAMINATE IDENTIFICATION ON CEILING FOR ALL NEW AND EXISTING VALVES AND EQUIPMENT LOCATED WITHIN THE CONSTRUCTION LIMITS AS INDICATED IN THE SPECIFICATIONS.

K. SEAL ALL OPENINGS NEW & EXISTING AROUND PLUMBING & UTILITY LINES PENETRATING FIRE WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE WALLS & ARCHITECTURAL SPECS FOR MATERIAL & INSTALLATION.

L. CONTRACTOR SHALL COORDINATE WITH ARCHITECT ALL CONSTRUCTION PHASING AS IT APPLIES TO DEMOLITION & NEW WORK.

RELEASE / REVISION

No.	Date	Description
1	4/24/2024	RELEASED FOR BIDDING
2	05/30/2024	REVISED SCOPE/RELEASED FOR BIDDING

BCCLT CONSULTING ENGINEERS

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Peter W. Farrell AIA AI-13618

Project
ATLANTIC COUNTY SPECIAL SERVICES SCHOOL
NEW
NURSE SUITE & MISC. ALTERATIONS
4805 NAWAKWA BLVD.
MAYS LANDING, NJ 08330

Drawing
PLUMBING LEGEND, SCHEDULES AND DETAILS

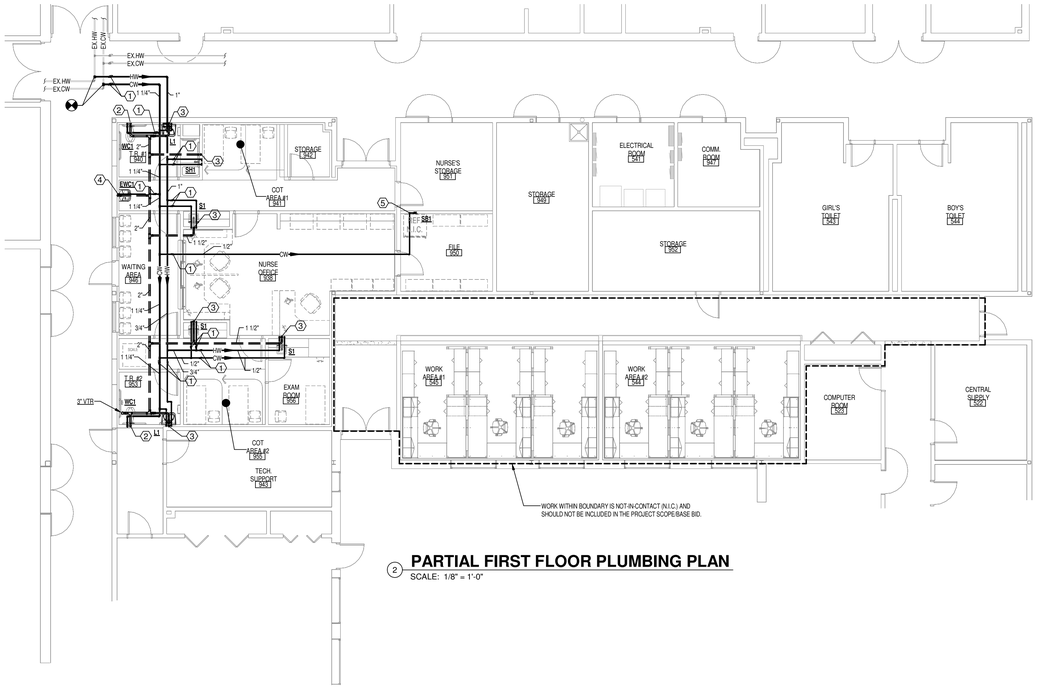
Scale	Job	Sheet
As indicated	24018	P0.1

Drawn	Date
PTB	05/22/2024

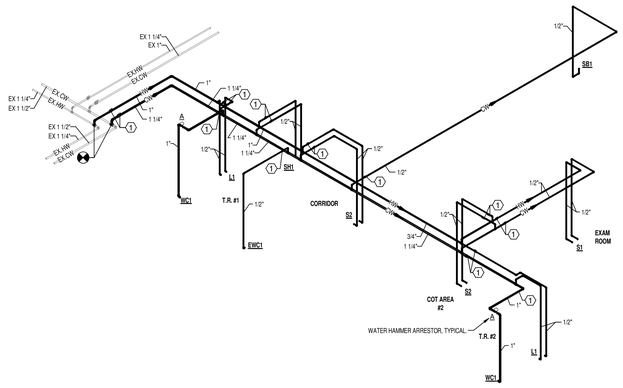
PRINTED 5/30/2024 12:10:11 PM

KEYED NOTES:

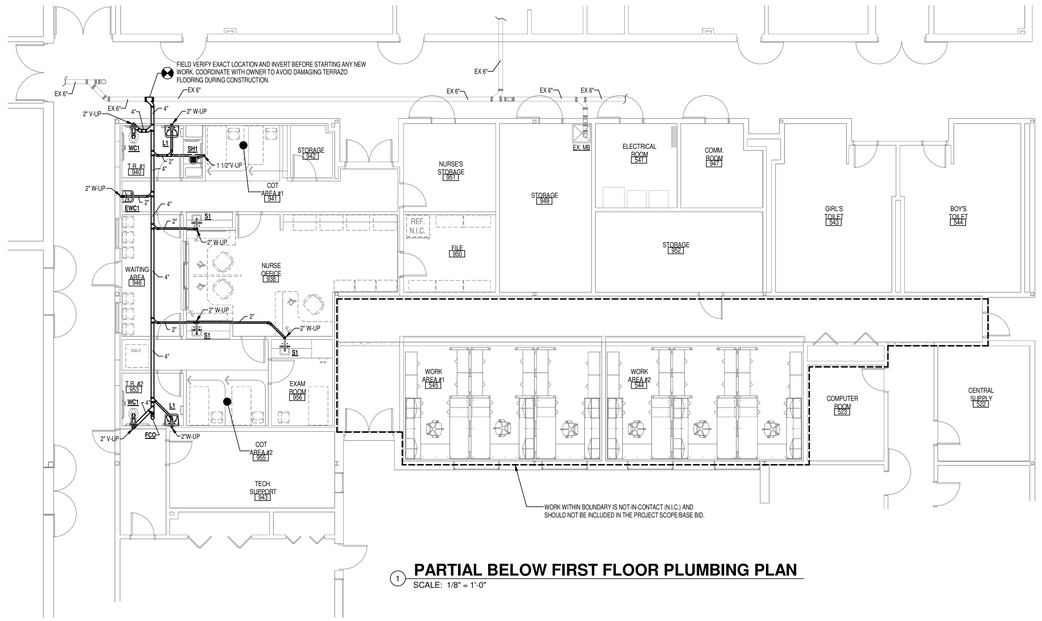
1. ISOLATION VALVES.
2. 2" VENT, 1" COLD WATER DOWN TO FIXTURE. PROVIDE WATER HAMMER ARRESTOR.
3. 1 1/2" VENT, 1/2" HOT AND COLD WATER DOWN TO FIXTURE.
4. 1 1/2" VENT, 1/2" COLD WATER DOWN TO FIXTURE.
5. 1/2" COLD WATER DOWN TO SB1.



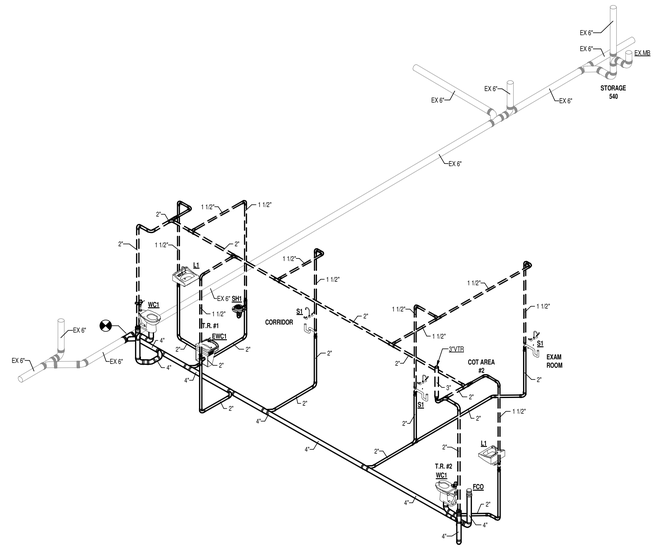
2 PARTIAL FIRST FLOOR PLUMBING PLAN
SCALE: 1/8" = 1'-0"



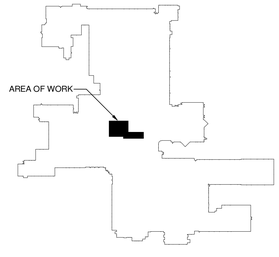
4 DOMESTIC WATER RISER DIAGRAM
SCALE: NONE



1 PARTIAL BELOW FIRST FLOOR PLUMBING PLAN
SCALE: 1/8" = 1'-0"



3 WAST AND VENT RISER DIAGRAM
SCALE: NONE



FIRST FLOOR KEY PLAN
SCALE: NONE

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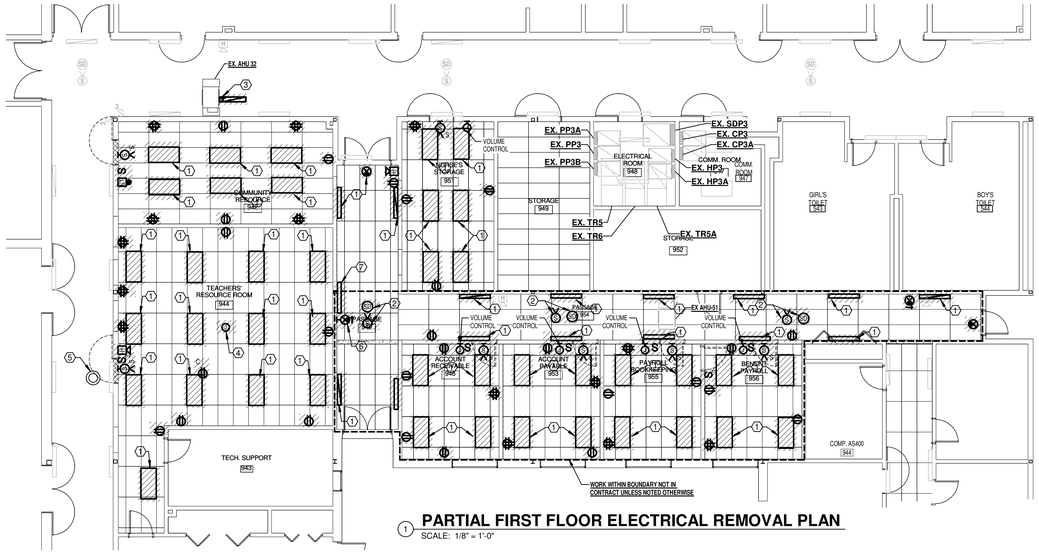
MAYS LANDING, NJ 08330

Drawing
PARTIAL FIRST FLOOR PLUMBING PLANS

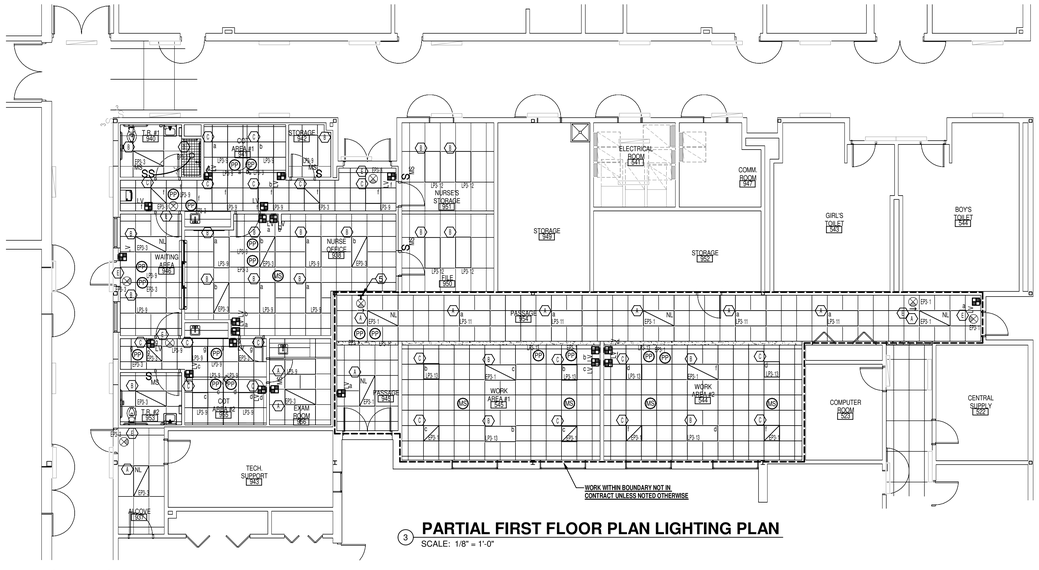
Scale	Job	Sheet
As indicated	24018	P1.0
Drawn: PTB	Date: 05/22/24	

PRINTED: 5/30/2024 1:21:29 PM



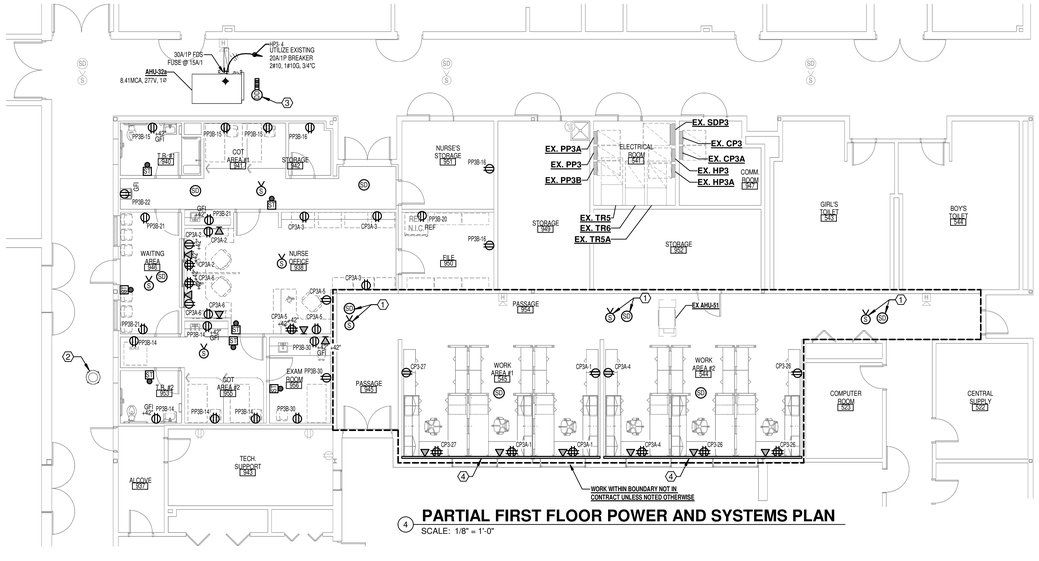
1 PARTIAL FIRST FLOOR ELECTRICAL REMOVAL PLAN

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



3 PARTIAL FIRST FLOOR PLAN LIGHTING PLAN

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



4 PARTIAL FIRST FLOOR POWER AND SYSTEMS PLAN

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

ELECTRICAL GENERAL NOTES:

A. THE REMOVAL PLAN DRAWINGS SHALL SERVE TO AID THE CONTRACTOR IN HIS EVALUATION OF THE EXTENT OF REMOVALS, BUT SHALL NOT BE HELD TO BE ALL INCLUSIVE.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE BUILDING AND SITE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS, VERIFY SIZE, LOCATION, AND USAGE OF UTILITIES AND EQUIPMENT PRIOR TO REMOVAL.

C. FOR FURTHER INFORMATION WITH REGARD TO THE EXTENT OF REMOVALS, SEE NEW CONSTRUCTION PLANS AND ARCHITECTURAL PLANS WHICH ILLUSTRATE THE NEW CONSTRUCTION.

D. ALL EQUIPMENT REMOVED FOR RELOCATION SHALL BE REMOVED IN SUCH A MANNER THAT REUSE IS POSSIBLE.

E. PATCH ALL OPENINGS IN WALLS, FLOORS, AND CEILINGS WHERE REMOVAL OF EQUIPMENT OR DEVICES CREATES SUCH OPENINGS. PATCH OPENINGS TO MATCH EXISTING.

F. IF PORTIONS OF CIRCUITS SERVING EQUIPMENT TO REMAIN MUST BE RELOCATED OR REMOVED DUE TO OTHER REMOVAL OR DUE TO INTERFERENCE WITH NEW EQUIPMENT INSTALLATION, THE CIRCUITS SHALL BE MODIFIED IN SUCH A MANNER WHICH WILL ENSURE THE PROPER OPERATION OF THE EQUIPMENT AFTER CONSTRUCTION IS COMPLETE. USE THE SAME TYPE OF CONDUCTOR AND SAME CONDUIT SIZE AS EXISTING TO MAKE ALL REQUIRED MODIFICATIONS.

G. IF WALLS, CEILINGS, FLOORS, OR EQUIPMENT ARE REMOVED, OR OTHER REMOVAL OCCURS, WHICH EXPOSES CIRCUITS TO REMAIN, THE CIRCUITS SHALL BE RELOCATED OR MODIFIED IN SUCH A MANNER WHICH SHALL ENSURE CONTINUED OPERATION OF THE CIRCUIT. EXISTING CONDUITS EXPOSED DURING REMOVALS WHICH REMAIN TO SERVE EQUIPMENT, SHALL BE RESUPPORTED IN ACCORDANCE WITH THE REQUIREMENTS FOR RACEWAY INSTALLATION IN THE SPECIFICATIONS.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED FOR THE INSTALLATION OF NEW WORK, WHETHER OR NOT IT IS SPECIFICALLY INDICATED OR NOTED IN THESE DOCUMENTS.

I. ALL EQUIPMENT INDICATED AS CROSS HATCHED, OR NOTED, SHALL BE DISCONNECTED AND REMOVED.

J. ALL CONDUIT RUNS TO REMOVED EQUIPMENT OR DEVICES SHALL BE COMPLETELY REMOVED BACK TO SOURCE INCLUDING ALL HANGERS, BEAM CLAMPS, MISCELLANEOUS SUPPORTS, AND WIRING, UNLESS WIRING IS REQUIRED TO SERVE EXISTING EQUIPMENT TO REMAIN.

K. ALL WIRING DEVICES TO BE REMOVED SHALL BE REMOVED COMPLETELY INCLUDING OUTLET BOX.

L. ALL DEVICES, FIXTURES, EQUIPMENT, AND MATERIAL DETERMINED BY THE OWNER TO BE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE OWNER AND STORED AT THE LOCATION ON THE PREMISES DESIGNATED BY THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL OTHER ELECTRICAL EQUIPMENT WHICH IS DISCONNECTED AND REMOVED DURING DEMOLITION, UNLESS NOTED OTHERWISE.

M. REMOVE ALL ABANDONED ELECTRICAL EQUIPMENT, WIRING & CONDUIT WITHIN PROJECT AREA.

N. PROVIDE ALL TEMPORARY EGRESS EXIT LIGHTING FIXTURES AS REQUIRED DURING CONSTRUCTION.

O. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING & REPLACING ACOUSTICAL LAY-IN CEILING FOR ROUTING OF FEEDERS AND COMMUNICATION CABLING, UNLESS SPECIFICALLY NOTED OTHERWISE OR SHOWN ON ARCHITECTURAL DRAWINGS. ALL DAMAGED TILE SHALL BE REPLACED WITH NEW TILE TO MATCH EXISTING.

P. COORDINATE CONDUIT ROUTING WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS WITH EQUIPMENT AND EQUIPMENT CLEARANCES.

Q. SEAL AROUND ALL NEW AND EXISTING WALL PENETRATIONS WITH FIRE STOPPING.

R. FINAL CONNECTION TO ALL CEILING MOUNTED DEVICES SHALL BE MADE WITH FLEX CONDUIT.

S. COORDINATE LIGHTING FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN.

T. PROVIDE SYNC MODULES TO SYNCRONIZE EXISTING STROBES WITH NEW.

REMOVAL KEYNOTES

1. REMOVE CIRCUIT SERVING LIGHT FIXTURE IN SUCH A MANNER THAT IT MAY BE REUSED TO SERVE NEW FIXTURES. EXTEND AND MODIFY EXISTING CIRCUIT AS NEEDED USING SAME GAUGE AND TYPE WIRE AS EXISTING.
2. REMOVE EXISTING CEILING MOUNTED DEVICE AS REQUIRED. REMOVE IN SUCH A MANNER THAT IT MAY BE REINSTALLED IN NEW CEILING. EXTEND AND MODIFY EXISTING CIRCUIT AS NEEDED USING SAME GAUGE AND TYPE WIRE AS EXISTING.
3. DISCONNECT, AND ALL ASSOCIATED HARDWARE SERVING MECHANICAL UNIT TO BE REMOVED COMPLETE. REMOVE CIRCUIT FEEDING MECHANICAL UNIT BACK TO PANEL "HP3" IN SUCH A MANNER THAT THE EXISTING BREAKER SERVING UNIT CAN BE REUSED TO SERVE NEW UNIT.
4. CEILING MOUNTED PROJECTOR AND ALL ASSOCIATE HARDWARE TO BE REMOVED AND TURNED OVER TO OWNER.
5. DISCONNECT EXISTING CIRCUIT SERVING ROOFTOP EXHAUST FAN IN SUCH A MANNER THAT THE CIRCUIT MAY BE REUSED. EXTEND AND MODIFY EXISTING CIRCUIT USING SAME GAUGE AND TYPE WIRE AS NEEDED TO POWER NEW EXHAUST FAN.
6. REMOVE FIXTURE AND CIRCUIT SERVING FIXTURE IN SUCH A MANNER THAT THE FIXTURE AND CIRCUIT MAY BE RELOCATED AND REUSED. EXTEND AND MODIFY EXISTING CIRCUIT AS NEEDED USING SAME GAUGE AND TYPE WIRE AS EXISTING.
7. REMOVE EXISTING FIXTURE COMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND PAINTING OF ANY EXISTING HOLES AS A RESULT OF THIS WORK. PATCH AND PAINT SHALL MATCH ADJACENT WALL.

NEW WORK KEYNOTES:

1. REINSTALL EXISTING CEILING MOUNTED DEVICES INTO NEW CEILING GRID. EXTEND AND MODIFY CIRCUIT AS NEEDED USING SAME GAUGE AND TYPE WIRE AS EXISTING.
2. RECONNECT EXISTING CIRCUIT TO NEW ROOF EXHAUST FAN USING SAME GAUGE AND TYPE WIRE AS EXISTING.
3. PROVIDE DUCT MOUNTED SMOKE DETECTOR. CONNECT DETECTOR TO EXISTING FIRE ALARM SYSTEM. ACTIVATION OF DETECTOR SHALL SOUND GENERAL ALARM AND SHUT DOWN UNIT. PROVIDE ALL REQUIRED WIRING AND PROGRAMMING.
4. PROVIDE (2) COMPARTMENT SURFACE RACEWAY, LEGRAND WIREMOLD 5400 OR EQUAL. MOUNT 18" A.F.F. TO BOTTOM. PROVIDE DOUBLE DUPLEX RECEPTACLE AND OUTLET BOX FOR DATA.
5. RELOCATE EXISTING EXIT FIXTURE TO NEW CONSTRUCTION WALL. MODIFY AND EXTEND EXISTING CIRCUIT SERVING FIXTURE USING SAME GUAGE AND TYPE WIRE AS EXISTING.

5 LOW VOLTAGE LIGHTING CONTROL DETAIL - POWER PACK

SCALE: 12" = 1'-0"

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	SERIES	LAMP TYPE	LAMP LUMENS	LAMP WATTS	BALLAST / DRIVER	VOLTAGE	MOUNTING
A	2'X4' LED FLAT PANEL FIXTURE WITH LENS, 3500K, 50W, MINIMUM 10% DIMMING	RAB	EXPANF2X4/D10	LED	5723	50	0-10V, DIMMING TO 1%	MVOLT	LAY-IN
B	2'X4' LED FLAT PANEL FIXTURE WITH LENS, 3500K, 40W, MINIMUM 10% DIMMING	RAB	EXPANF2X4/D10	LED	4763	40	0-10V, DIMMING TO 1%	MVOLT	LAY-IN
C	2X2 RECESSED LED FLAT PANEL WITH LENS, 3500K, 0-10V DIMMING	RAB	EZPANFA2X2/D10	LED	4800	42	0-10V, DIMMING TO 1%	MVOLT	RECESSED
D	6" DIA LED DOWNLIGHT WITH CLEAR TRIM AND SEMI-SPECULAR FINISH, 4000K, 1500 LUMENS	LITHONIA	EVO6SH-35-15-DFR-SMO-MVOLT-EZ1-90CR	LED	1500	14.7	0-10V, DIMMING TO 1%	MVOLT	RECESSED
E	LED SINGLE FACED EXIT LIGHT WITH BLACK DIE-CAST HOUSING/ BRUSHED ALUMINUM FACE AND RED STENCIL LETTERS.	LITHONIA	LES1RW	LED		1.2	--	MVOLT	UNIVERSAL

FIRST FLOOR KEY PLAN

SCALE: NONE

LIGHTING

- CEILING MOUNTED LIGHTING FIXTURE AS SCHEDULED.
- CEILING OUTLET AND LIGHTING FIXTURE AS SCHEDULED.
- CEILING OUTLET AND EXIT LIGHT FIXTURE AS SCHEDULED.
- WALL OUTLET AND EXIT LIGHT FIXTURE AS SCHEDULED.
- ARROWS INDICATE EGRESS EXIT SIGNAGE CHEVRON(S) REQUIRED.
- (A) SYMBOL INDICATES FIXTURE TYPE WHEN SHOWN ON LIGHTING PLANS ADJACENT TO FIXTURE.
- "a,b,c" LOWER CASE LETTERS AT OUTLETS INDICATES SWITCHING ARRANGEMENT.
- S SINGLE POLE 20A SWITCH. MOUNT 48" A.F.F. TO TOP, UNLESS NOTED OTHERWISE. SUBSCRIPT:
  MS = VACANCY SENSOR SIMILAR TO WATTSTOPPER DSW-301 SERIES
  LV = LOW VOLTAGE CONTROLLER SIMILAR TO WATTSTOPPER LMSW-102 SERIES
- DIMMER SWITCH 1KW RATED UNLESS NOTED OTHERWISE MOUNT 48" A.F.F. TO TOP UNLESS NOTED OTHERWISE.
  LV = LOW VOLTAGE CONTROLLER SIMILAR TOO WATTSTOPPER LMDM-101 SERIES
- (MS) CEILING OUTLET AND DUAL TECHNOLOGY MOTION SENSOR FOR LIGHTING CONTROL WITH AUTOMATIC AND MANUAL - ON CONTROL OPERATION, WATTSTOPPER LMDC-100 OR APPORVED EQUAL.
- (PP) OUTLET BOX MOUNTED MOTION LOW VOLTAGE SENSOR POWER PACK. SENSOR SHALL BE SIMILAR TO WATTSTOPPER LMRC-211

GENERAL DEVICE SUBSCRIPTS

- "1,2,3" NUMBER AT OUTLET INDICATES CIRCUIT ARRANGEMENT.
- "GFI" INDICATES GROUND FAULT CURRENT INTERRUPTER DEVICE.
- "EX" INDICATES EXISTING WHEN SHOWN ADJACENT TO SYMBOLS ON LIGHTING, POWER, OR SYSTEMS PLANS.
- "REF" INDICATES REFRIGERATOR.

FIRE ALARM SYSTEM

- (F) FIRE ALARM SYSTEM VISUAL UNIT. WALL MOUNT AT 80" A.F.F. TO STROBE.
- (F) MANUAL FIRE ALARM ADDRESSABLE PULL STATION. MOUNT 48" A.F.F. TO TOP.
- (SD) CEILING MOUNTED SMOKE DETECTOR. SUBSCRIPT R = WITH RELAY BASE.
- (F) FIRE ALARM AUDIO UNIT. MOUNT 80" A.F.F. TO BOTTOM, OR 6" BELOW CEILING TO TOP, WHICH IS LOWER. SUBSCRIPT C: CEILING MOUNT
- (SD)DTD ADDRESSABLE SMOKE DETECTOR, DUCT TYPE. PROVIDE REMOTE TEST SWITCH IN READILY ACCESSIBLE LOCATION. ACTIVATION OF DETECTOR SHALL CAUSE FAN TO SHUT-DOWN.

POWER

- CEILING OR FLOOR MOUNTED JUNCTION BOX.
- WALL OUTLET WITH 20A, 125V DUPLEX RECEPTACLE. MOUNT 18" A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE.
- WALL OUTLET WITH 20A, 125V DOUBLE DUPLEX (QUADRAPLEX) RECEPTACLE. MOUNT AT 18" A.F.F. TO BOTTOM UNLESS NOTED OTHERWISE.
- 208Y/120V SURFACE MOUNTED PANELBOARD. DASH LINE INDICATES N.E.C. CLEARANCE.
- 480Y/277V SURFACE MOUNTED PANELBOARD. DASH LINE INDICATES N.E.C. CLEARANCE.
- FUSIBLE DISCONNECT SWITCH. MOUNT 4'-6" A.F.F. TO CENTER, UNLESS NOTED OTHERWISE. DASH LINE INDICATES N.E.C. CLEARANCE.

RACEWAYS

- PHASE CONDUCTORS, NEUTRAL, GROUND — CIRCUIT CONCEALED IN CEILING OR WALL. CROSSBARS INDICATE NUMBER OF CONDUCTORS REQUIRED. CONDUIT NOT SIZED IS 3/4". CONDUCTORS NOT SIZED ARE NO. 12.
- H1A-1,3 — HOMERUN TO PANELBOARD INDICATED. NUMBER OF ARROWHEADS INDICATES CIRCUIT NUMBERS. PREFIX INDICATES PANEL NUMBER.
- EQUIPMENT POINT OF CONNECTION. VERIFY WITH EQUIPMENT PROVIDER AND/OR INSTALLER.

COMMUNICATIONS

- OUTLET BOX IN WALL WITH ONE VOICE JACK AND DEVICE PLATE. PROVIDE 1" CONDUIT FROM OUTLET BOX TO ACCESSIBLE CEILING CAVITY AND BUSH END. MOUNT 18" A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE.
- (S) CEILING MOUNTED INTERCOM SPEAKER. NEW SPEAKERS SHALL MATCH EXISTING SYSTEM.

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NEW
NURSE SUITE & MISC. ALTERATIONS
4805 NAWAKWA BLVD.
MAYS LANDING, NJ 08330

Drawing
FIRST FLOOR ELECTRICAL PLANS

Scale	Job	Sheet
As indicated	24018	E1.0

Drawn CAR **Date** 05/22/24

PRINTED: 5/28/2024 4:01:05 PM

Branch Panel: CP3

Location: COMM. ROOM 947 | **Volts:** 120/208 Wye | **Mains Type:** Main Lugs Only
Supply From: | **Phases:** 3 | **Mains Rating:** 225 A
Mounting: Surface | **Wires:** 4
Enclosure: | **A.I.C. Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	2
3	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	4
5	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	6
7	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	8
9	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	10
11	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	12
13	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	14
15	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	16
17	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	18
19	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	20
21	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	22
23	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	24
25	Spare	20 A	1	0 VA	1000 VA					1	20 A	**RECEP - WORK AREA**	26
27	**RECEP - WORK AREA**	20 A	1			600 VA	0 VA			1	20 A	Spare	28
29	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	30
31	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	38
39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40
41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42
		Total Load:		1000 VA		600 VA		0 VA					
		Total Amps:		9 A		6 A		0 A					

Legend:

Notes:

Branch Panel: CP3A

Location: COMM. ROOM 947 | **Volts:** 120/208 Wye | **Mains Type:** Main Lugs Only
Supply From: | **Phases:** 3 | **Mains Rating:** 100 A
Mounting: Surface | **Wires:** 4
Enclosure: | **A.I.C. Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	**RECEP - PASSAGE & WAITING ROOM**	20 A	1	1000 VA	800 VA					1	20 A	**RECEP - NURSE OFFICE**	2
3	**RECEP - NURSE OFFICE**	20 A	1			600 VA	600 VA			1	20 A	**RECEP - WORK AREA #2**	4
5	**RECEP - NURSE OFFICE**	20 A	1					800 VA	800 VA	1	20 A	**RECEP - NURSE OFFICE**	6
7	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	8
9	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	10
11	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	12
13	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	14
15	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	16
17	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	18
19	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	20
21	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	Spare	22
23	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	24
25	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	26
27	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	28
29	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	30
31	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	38
39	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	40
41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42
		Total Load:		1800 VA		1200 VA		1600 VA					
		Total Amps:		16 A		10 A		14 A					

Legend:

Notes:

Branch Panel: LP3

Location: | **Volts:** 480/277 Wye | **Mains Type:** Main Lugs Only
Supply From: | **Phases:** 3 | **Mains Rating:** 100 A
Mounting: Surface | **Wires:** 4
Enclosure: | **A.I.C. Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	2
3	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	4
5	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	6
7	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	8
9	**LTG - COT AREA , WAITING, NURSE...**	20 A	1			440 VA	0 VA			1	20 A	EXISTING CIRCUIT	10
11	**LTG - CORRIDOR**	20 A	1					160 VA	120 VA	1	20 A	**LTG - NURSE STORAGE & FILES**	12
13	**LTG - WORK AREA 1 & 2**	20 A	1	160 VA	0 VA					1	20 A	EXISTING CIRCUIT	14
15	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	16
17	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	18
19	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	20
21	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	22
23	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	24
25	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	26
27	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	28
29	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	30
31													32
33	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	34
35													36
37	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	38
39	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	40
41	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	42
		Total Load:		160 VA		440 VA		280 VA					
		Total Amps:		1 A		2 A		1 A					

Legend:

Notes:

Branch Panel: EP3

Location: | **Volts:** 480/277 Wye | **Mains Type:** Main Lugs Only
Supply From: | **Phases:** 3 | **Mains Rating:** 100 A
Mounting: Surface | **Wires:** 4
Enclosure: | **A.I.C. Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	**LTG - EMERGENCY FIXTURES**	20 A	1	324 VA	0 VA					1	20 A	EXISTING CIRCUIT	2
3	**LTG - EMERGENCY FIXTURES**	20 A	1			402 VA	0 VA			1	20 A	Spare	4
5	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	6
7	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	8
9	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	10
11	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	12
13	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	14
15	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		324 VA		402 VA		0 VA					
		Total Amps:		1 A		2 A		0 A					

Legend:

Notes:

Branch Panel: PP3B

Location: ELECTRICAL ROOM 541 | **Volts:** 120/208 Wye | **Mains Type:** Main Lugs Only
Supply From: | **Phases:** 3 | **Mains Rating:** 225 A
Mounting: Surface | **Wires:** 4
Enclosure: | **A.I.C. Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	2
3	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	4
5	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	6
7	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	8
9	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	10
11	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	12
13	EXISTING CIRCUIT	20 A	1	0 VA	1000 VA					1	20 A	**RECEP - COT AREA 2, T.R. 2, PASSAGE**	14
15	**RECEP - COT AREA 1 & T.R. 1**	20 A	1			600 VA	600 VA			1	20 A	**RECEP - STORAGE & FILE**	16
17	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	18
19	EXISTING CIRCUIT	20 A	1	0 VA	960 VA					1	20 A	**RECEP - FILE REFRIDGERATOR**	20
21	**RECEP - WORK AREA**	20 A	1			600 VA	200 VA			1	20 A	**WATER COOLER**	22
23	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	24
25	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	26
27	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	28
29	EXISTING CIRCUIT	20 A	1					0 VA	600 VA	1	20 A	**RECEP - EXAM ROOM**	30
31	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	32
33	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	34
35	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	36
37	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	38
39	EXISTING CIRCUIT	20 A	1			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	40
41	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	42
		Total Load:		1960 VA		2000 VA		600 VA					
		Total Amps:		18 A		18 A		5 A					

Legend:

Notes:

Branch Panel: HP3

Location: ELECTRICAL ROOM 541 | **Volts:** 480/277 Wye | **Mains Type:** Main Lugs Only
Supply From: | **Phases:** 3 | **Mains Rating:** 225 A
Mounting: Surface | **Wires:** 4
Enclosure: | **A.I.C. Rating:**

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	2
3	EXISTING CIRCUIT	20 A	1			0 VA	1864 VA			1	20 A	**AHU-32A**	4
5	EXISTING CIRCUIT	20 A	1					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	6
7	EXISTING CIRCUIT	20 A	1	0 VA	0 VA					1	20 A	EXISTING CIRCUIT	8
9	EXISTING CIRCUIT	20 A	2			0 VA	0 VA			3	20 A	Spare	10
11	--	--	--					0 VA	0 VA	--	--	--	12
13	EXISTING CIRCUIT	20 A	3	0 VA	0 VA					--	--	--	14
15	--	--	--			0 VA	0 VA			3	20 A	EXISTING CIRCUIT	16
17	--	--	--					0 VA	0 VA	--	--	--	18
19	EXISTING CIRCUIT	--	3	--	0 VA					--	--	--	20
21	--	--	--			--	0 VA			3	20 A	EXISTING CIRCUIT	22
23	--	--	--					--	0 VA	--	--	--	24
25	EXISTING CIRCUIT	20 A	3	0 VA	0 VA					--	--	--	26
27	--	--	--			0 VA	0 VA			1	20 A	EXISTING CIRCUIT	28
29	--	--	--					0 VA	0 VA	1	20 A	EXISTING CIRCUIT	30
31	EXISTING CIRCUIT	20 A	3	0 VA	0 VA					1	20 A	Spare	32
33	--	--	--			0 VA	0 VA			2	20 A	EXISTING CIRCUIT	34
35	--	--	--					0 VA	0 VA	--	--	--	36
37	Spare	20 A	3	0 VA	0 VA					3	100 A	Spare	38
39	--	--	--			0 VA	0 VA			--	--	--	40
41	--	--	--					0 VA	0 VA	--	--	--	42
		Total Load:		0 VA		1864 VA		0 VA					
		Total Amps:		0 A		7 A		0 A					

Legend:

Notes:

RELEASE / REVISION

No.	Date	Description
1	4/24/2024	RELEASED FOR BIDDING
2	05/30/2024	REVISED SCOPE/RELEASED FOR BIDDING

BCCLT CONSULTING ENGINEERS

mmpf architects

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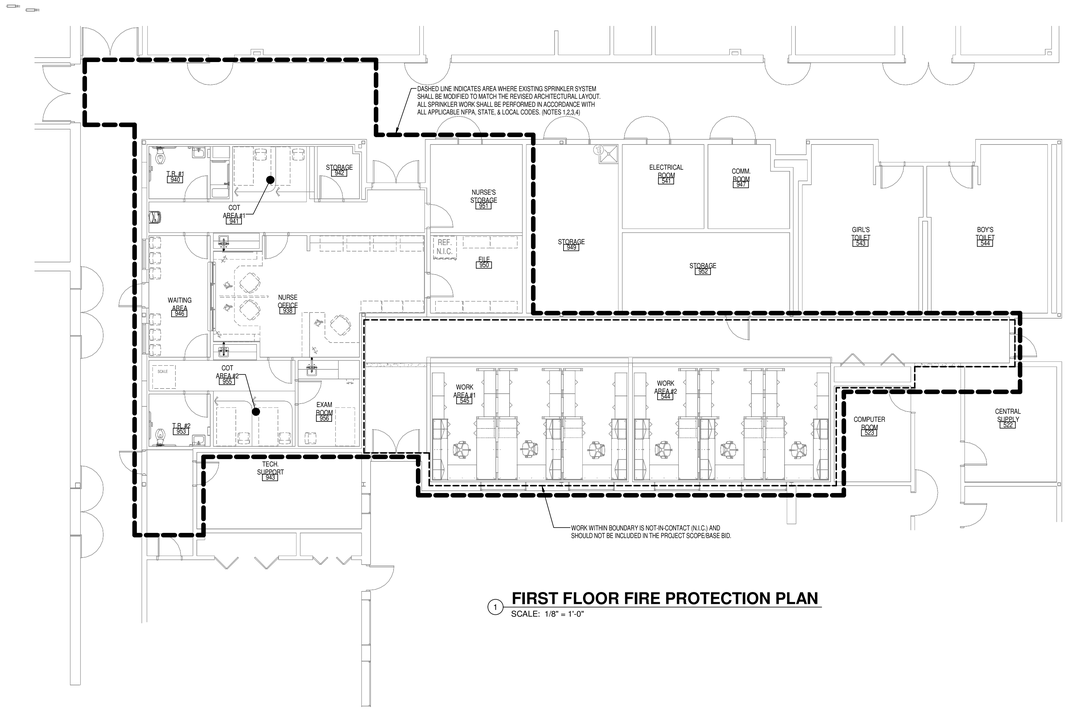
Project
ATLANTIC COUNTY
SPECIAL SERVICES SCHOOL
NEW
NURSE SUITE &
MISC. ALTERATIONS
4805 NAWAKWA BLVD.
MAYS LANDING, NJ 08330

Drawing
PANEL SCHEDULES

Scale	Job	Sheet
	24018	E2.0
Drawn	**Date**	
CAR	05/22/24	

PRINTED: 5/28/2024 4:01:08 PM



1 **FIRST FLOOR FIRE PROTECTION PLAN**
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. PROVIDE RECORD FLOW TEST PRIOR TO PREPARING SHOP DRAWINGS AND HYDRAULIC CALCULATIONS. CONTRACTOR SHALL PROVIDE THE FIRE SUPPRESSION DESIGN CRITERIA FORM AS PART OF THEIR STATE SUBMITTAL.

B. COORDINATE INSTALLATION OF ALL SYSTEMS WITH MECHANICAL (HVAC), PLUMBING, AND ELECTRICAL SYSTEMS. CEILING CAVITY SPACE IS RESTRICTED AND INSTALLATION OF DUCTWORK SHALL TAKE PRIORITY OVER ALL OTHER TRADES. NO EXTRA COMPENSATION WILL BE ALLOWED TO COVER THE COST OF RELOCATING SYSTEMS FOUND ENCROACHING ON SPACE REQUIRED BY MECHANICAL, PLUMBING, OR ELECTRICAL SYSTEMS.

C. PIPING ARRANGEMENT AND SPRINKLER LOCATIONS ARE DIAGRAMMATIC AND ARE PROVIDED FOR THE CONTRACTOR'S INFORMATION. EXACT ROUTING OF PIPING AND FINAL SIZING AND LOCATION OF SPRINKLERS SHALL BE SELECTED BY THE CONTRACTOR TO ACCOUNT FOR ACTUAL FIELD CONDITIONS. ALL AREAS SHALL BE PROTECTED UNLESS SPECIFICALLY NOTED OTHERWISE. COORDINATE INSTALLATION WITH CEILING HEIGHTS AND SOFFITS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

D. EXTENDED COVERAGE SPRINKLERS MAY BE UTILIZED. THE USE OF EXTENDED COVERAGE SHALL BE CONFIRMED BY HYDRAULIC CALCULATIONS.

E. PIPING SHALL BE CONCEALED IN ALL FINISHED AREAS.

F. THIS BUILDING SHALL BE CONSIDERED LIGHT/ORDINARY HAZARD OCCUPANCY WITH EXCEPTIONS PER NFPA 13, STATE, AND LOCAL CODES. DESIGN DENSITIES SHALL BE IN ACCORDANCE WITH THE OWNER'S INSURANCE UNDERWRITER.

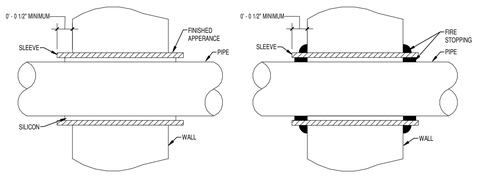
G. INSTALL SPRINKLER MAINS AS HIGH AS POSSIBLE IN CEILING CAVITIES. SOME BRANCH LINES WILL REQUIRE ARM OVERS TO SUPPLY SPRINKLERS BELOW DUCTWORK. REFER TO MECHANICAL DRAWINGS AND COORDINATE WITH THE MECHANICAL CONTRACTOR.

H. SPRINKLER PIPING SHALL BE SCHEDULE 10 STEEL FOR PIPING THAT IS 2-1/2" OR LARGER. PROVIDE SCHEDULE 40 STEEL PIPING FOR 2" AND SMALLER UNLESS OTHERWISE NOTED. THINWALL, LIGHTWALL, PRO-PRESS TYPE PIPING/FITTINGS WILL NOT BE ALLOWED.

I. PROVIDE PIPE LABELS FOR ALL SPRINKLER PIPING. LABELS SHALL READ "FIRE PROTECTION PIPING".

FIRE PROTECTION NOTES:

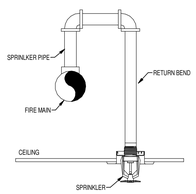
1. CONTRACTOR MAY RE-USE EXISTING SPRINKLER PIPING UNLESS THE EXISTING SPRINKLER PIPING IS FOUND TO BE ENCROACHING ON SPACE REQUIRED BY OTHER DISCIPLINES IN WHICH CASE THE EXISTING SYSTEM PIPING SHALL BE REMOVED TO MAKE ROOM FOR MECHANICAL (DUCTWORK), PLUMBING AND ELECTRICAL SYSTEMS INSTALLATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING/UPGRADING ANY EXISTING PIPING IN THIS AREA AS REQUIRED TO INSTALL NEW SPRINKLERS IN THE RENOVATED SPACE.
3. EXISTING SPRINKLER SYSTEMS OUTSIDE THE LIMITS OF THIS PROJECT SHALL REMAIN ACTIVE AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY TEMPORARY CONNECTIONS. IF SHUT-DOWN IS REQUIRED REFER TO NOTE 4.
4. ANY REQUIRED SPRINKLER SYSTEM SHUT-DOWN SHALL BE COORDINATED WITH THE OWNER, CONTRACTOR SHALL PROVIDE OWNER WITH AT LEAST ONE WEEK NOTICE PRIOR TO SHUTDOWN. AREAS IMPACTED BY THE SHUT-DOWN SHALL BE REQUIRED TO PERFORM FIRE-WATCHES UNTIL REVISED SYSTEM IS BROUGHT BACK ON-LINE. THE SPRINKLER SYSTEM SHALL BE ON-LINE AT THE END OF EACH DAY WHEN THE CONTRACTOR LEAVES THIS SITE.



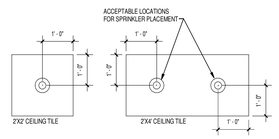
INTERIOR NON-RATED WALL SLEEVE DETAIL

INTERIOR RATED WALL PIPE SLEEVE DETAIL

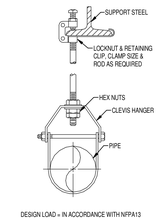
4 **PIPE SLEEVE DETAIL**
SCALE: NONE



5 **RETURN BEND DETAIL**
SCALE: NONE

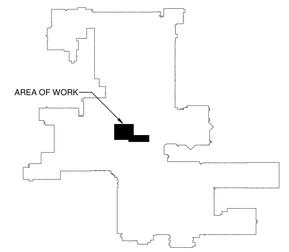


6 **SPRINKLER HEAD PLACEMENT**
SCALE: NONE



DESIGN LOAD = IN ACCORDANCE WITH NFPA13

7 **PIPE SUPPORT DETAIL**
SCALE: NONE



FIRST FLOOR KEY PLAN
SCALE: NONE

PRINTED: 5/8/2024 11:18:35 AM

RELEASE / REVISION

No.	Date	Description
1	4/24/2024	RELEASED FOR BIDDING
2	05/30/2024	REVISED SCOPE/RELEASED FOR BIDDING

BCCLT CONSULTING ENGINEERS

mmpf architects

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Project
ATLANTIC COUNTY SPECIAL SERVICES SCHOOL
NEW
NURSE SUITE & MISC. ALTERATIONS
4805 NAWAKWA BLVD.
MAYS LANDING, NJ 08330

Drawing
FIRST FLOOR FIRE PROTECTION PLAN

Scale	Job	Sheet
As indicated	24018	FP1.0
Drawn	**Date**	
MRS	05/22/2024	