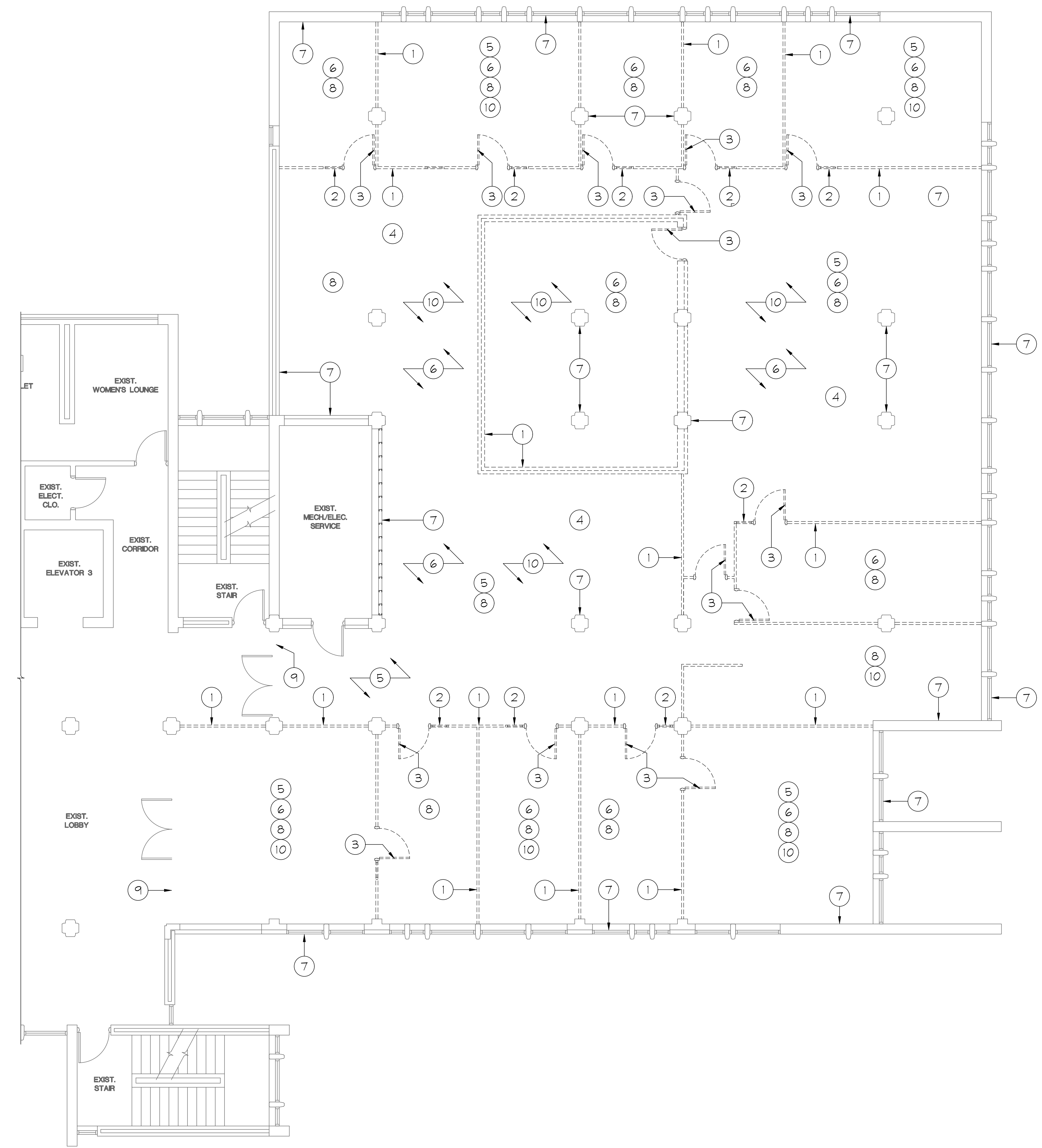


KEY PLAN (4TH FLOOR) ②
N.T.S.



4TH FLOOR DEMOLITION PLAN
SCALE: 3/16" = 1'-0"

DEMOLITION NOTES:

- A) DEMOLITION WORK IN DESIGNATED AREAS SHALL INCLUDE REMOVAL OF ALL DESIGNATED INTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO ALL DESIGNATED PANELING, FURRING, HANGERS, UNUSED ATTACHMENTS, CEILING TILE & GRID, FLOOR FINISHES, ETC. WHERE DEMOLITION ACTIVITIES INVOLVE STRUCTURAL ELEMENTS, BEAMS, JOISTS, CHU 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 THE 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.
- B) 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.
- C) 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.
- D) 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 EXITS. DO NOT DISRUPT BUILDING, FIRE, OR LIFE SAFETY SYSTEMS WITHOUT (3) DAYS PRIOR WRITTEN NOTICE TO THE OWNER.
- E) 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.
- F) IN AREAS OF DEMOLITION, PATCH, LEVEL, AND INFILL ALL WALL AND FLOOR SURFACES AS REQUIRED FOR INSTALLATION OF NEW FINISHES. THIS INCLUDES LEVELING OF ALL FLOORS AND INFILLING OF ANY TRENCHED AREAS.

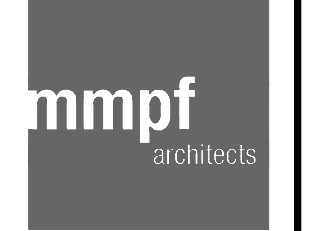
KEYNOTES:

- ① DEMOLISH EXISTING WALL PARTITION COMPLETELY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE, ANCHORING, ETC. COORDINATE REMOVAL / DEMOLITION OF ALL ELECTRICAL ITEMS / WIRING WITH ELECTRICAL DRAWINGS.
- ② REMOVE AND DISPOSE OF ALL BORROWED LITES PRIOR TO DEMOLITION OF PARTITION WALLS.
- ③ REMOVE ALL DOORS, WHITE BOARDS, ROOM SIGNS, AND OTHER DECOR MOUNTED TO INTERIOR PARTITIONS PRIOR TO DEMOLITION AND COORDINATE WITH OWNER FOR ANY ITEMS DEEMED SALVAGEABLE FOR THEIR REUSE. ALL ITEMS NOT IDENTIFIED BY THE OWNER TO BE SAVED SHALL BECOME THE PROPERTY OF THE G.C. AND MAY BE DISPOSED OF AT THE G.C.'S DISCRETION.
- ④ TEMPORARILY DISCONNECT AS REQUIRED ALL EXISTING LOCAL LIGHTING CONTROLS AND COORDINATE WITH THE PROPOSED ELECTRICAL DRAWINGS AS REQUIRED FOR RECONNECTION IN NEW LOCATION.
- ⑤ REMOVE ALL EXISTING ELECTRICAL DEVICES, LIGHT FIXTURES, WIRING, PANELS, TRANSFORMERS, ETC. REFER TO ELECTRICAL DRAWINGS FOR ADDL. INFO.
- ⑥ REMOVE ALL EXISTING FURNITURE, APPLIANCES, CASEWORK AND SHELVING AND COORDINATE WITH OWNER FOR ANY ITEMS DEEMED SALVAGEABLE FOR THEIR REUSE. ALL ITEMS NOT IDENTIFIED BY THE OWNER TO BE SAVED SHALL BECOME THE PROPERTY OF THE G.C. AND MAY BE DISPOSED OF AT THE G.C.'S DISCRETION.
- ⑦ PROTECT ALL EXTERIOR WALLS, EXTERIOR GLASS, STRUCTURAL COLUMNS, CONC. WALLS, BRICK WALLS, ETC. FROM STRUCTURAL OR AESTHETIC DAMAGE.
- ⑧ REMOVE EXISTING CEILING AND GRID SYSTEM COMPLETELY.
- ⑨ EXISTING ALUMINUM AND GLASS ENTRY SYSTEM TO REMAIN.
- ⑩ REMOVE ALL BASE AND FLOOR FINISHES COMPLETELY; PATCH ALL EXISTING CONSTRUCTION DESIGNATED TO REMAIN AS REQUIRED TO RECEIVE NEW FINISHES. COORDINATE WITH ASBESTOS ABATEMENT ACTIVITIES.

Revisions		
No.	Date	Description

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGH PORTADIN FARRELL. MMFP RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREOF. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MMFP VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.

© 2017, MANDERS MERIGH PORTADIN FARRELL ARCHITECTS, LLC

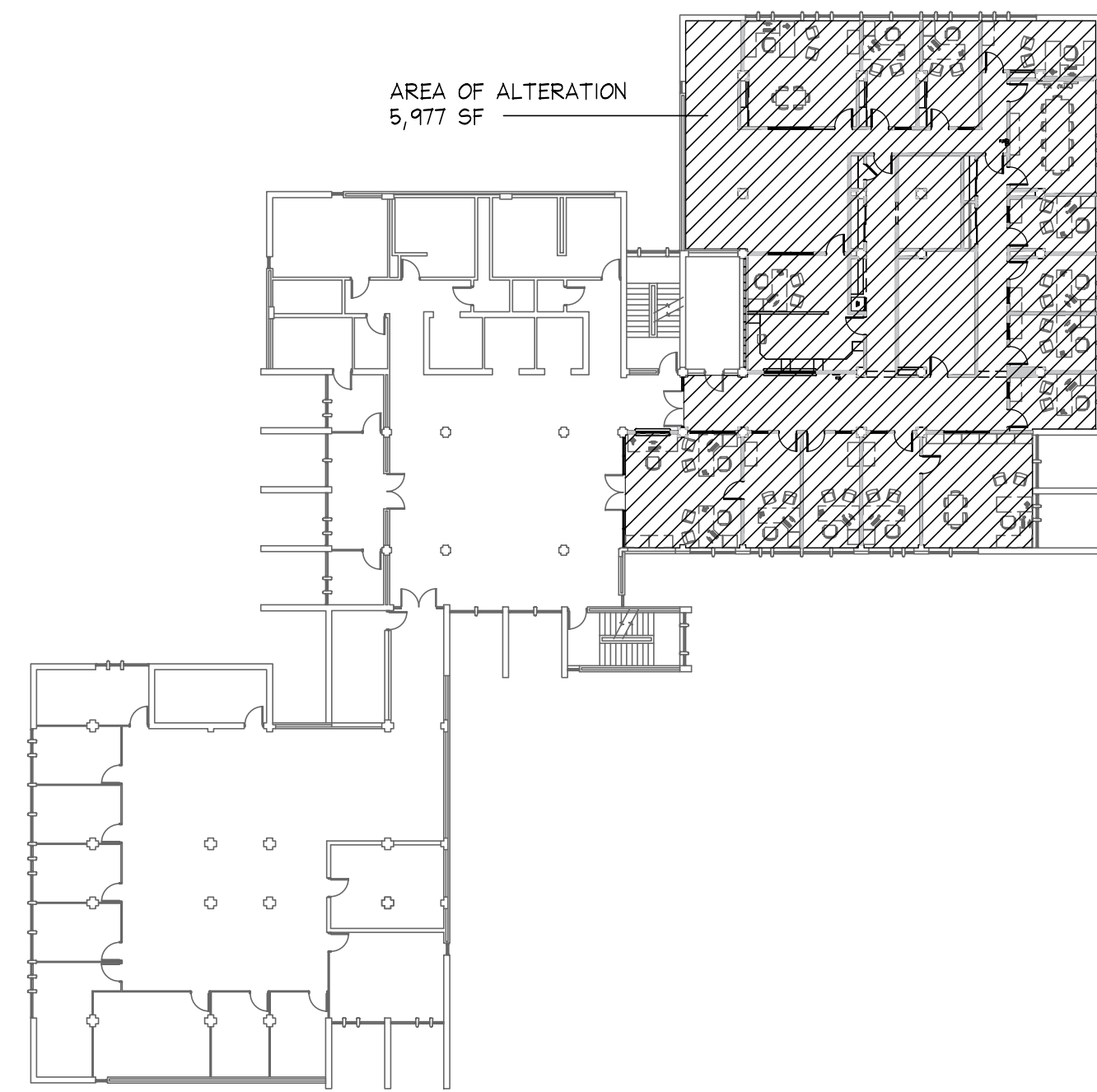


Manders Merigh Portadin Farrell Architects, LLC
1138 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856 696 9155 | f. 856 696 9080 | www.mmpfa.com

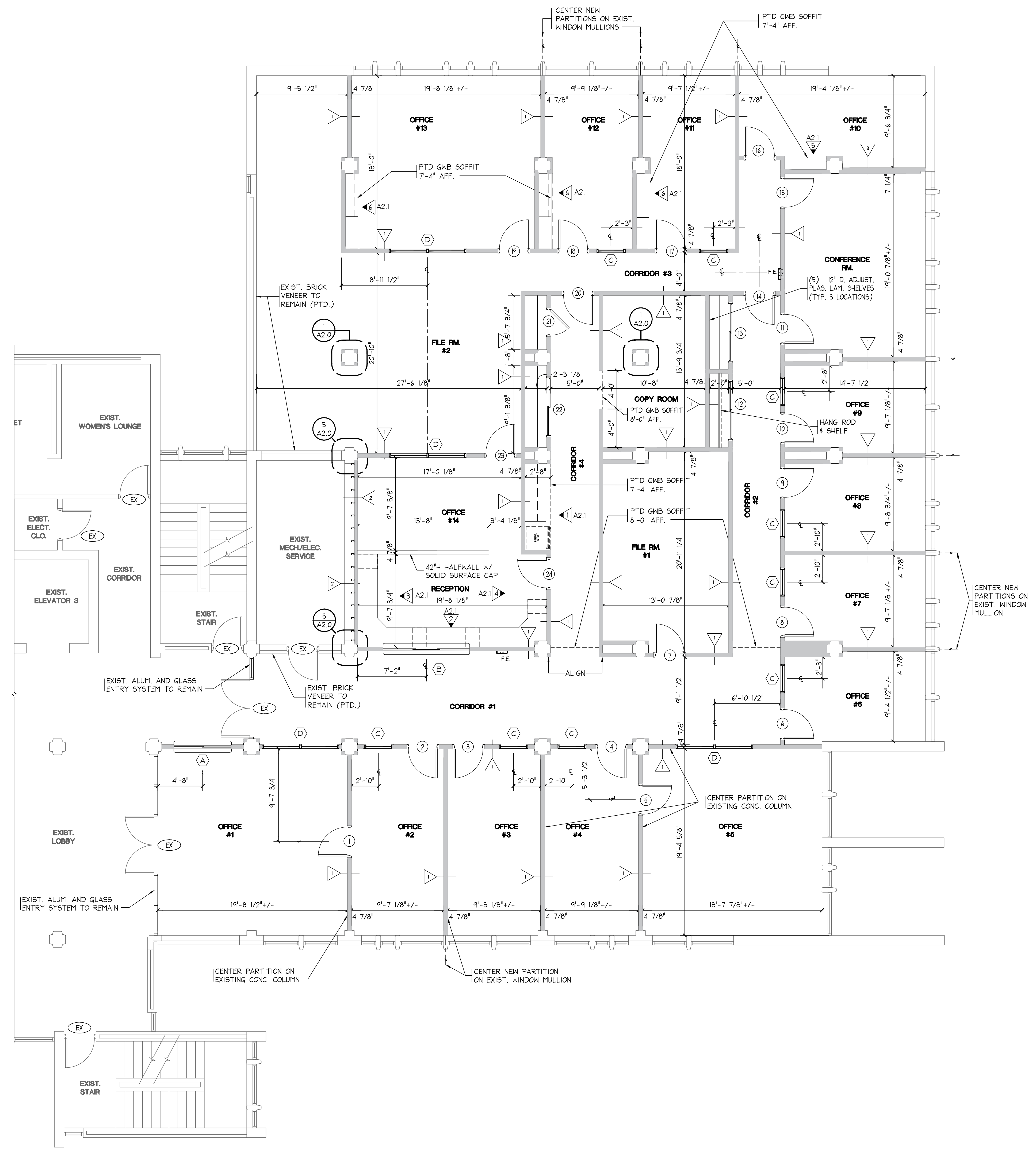
David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-13058
Peter W. Farrell AIA AI-13618

Project
VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATIONS
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing				
KEY PLAN DEMOLITION PLAN				
Scale AS NOTED			Job 22,099	Sheet D1.0
Drawn NDZ ANA			Date 01/24/24	1 of 5



KEY PLAN (4TH FLOOR)
N.T.S.



4TH FLOOR PLAN
SCALE: 3/16" = 1'-0"

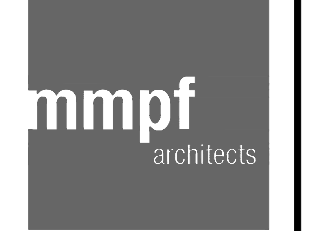
GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS, APPROVALS, TESTING AND INSPECTIONS AS MAY BE REQUIRED BY THE DEPARTMENT OF BUILDINGS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED DEPARTMENT OF BUILDINGS PERMITS PRIOR TO THE START OF WORK.
2. ALL PERMITS ISSUED BY THE DEPARTMENT OF BUILDINGS 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.
3. MEANS OF EGRESS SHALL BE KEPT UNOBSTRUCTED AT ALL TIMES.
4. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.
5. 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.
6. ALL CONSTRUCTION, DIMENSIONS AND DETAILS SHALL CONCUR WITH AND BE DETERMINED FROM THESE DOCUMENTS ONLY.
7. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND OFF ALIGNMENT.
8. EXISTING CONDITIONS/CONSTRUCTION DAMAGED OR REMOVED AS A RESULT OF WORK REQUIRED TO BE DONE UNDER THIS CONTRACT SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION AND FINISHED TO MATCH ADJACENT FINISHES BY THE CONTRACTOR.
9. FILL ALL HOLES AND VOIDS IN FLOORS, WALLS, CEILINGS WHICH RESULT FROM INSTALLATION OF NEW WORK AND REMOVAL OF EXISTING MATERIALS AND EQUIPMENT REQUIRED BY CONTRACT. PATCHED AREAS SHALL MATCH MATERIALS, FINISHES AND LEVELS ADJACENT.
10. CONTRACTOR SHALL VERIFY SIZE AND QUANTITY TAKEOFFS OF OWNER FURNISHED EQUIPMENT AND BE RESPONSIBLE FOR COORDINATING ROUGH-INS AND CONNECTIONS FOR SAME.
11. THE WORK SHALL INCLUDE ALL THE MATERIAL AND LABOR NECESSARY TO COMPLETE DEMOLITION AND CONSTRUCTION AS SHOWN ON THESE DRAWINGS.
12. 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.
13. 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.
14. 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.
15. 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.
16. REMOVE AND LEGALLY DISPOSE OF ALL TRASH AND DEBRIS FROM THE SITE. NO ACCUMULATION OF TRASH OR DEBRIS SHALL BE PERMITTED.
17. 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.
18. CLOSE AND SEAL ALL OPENINGS IN WALLS, FLOORS, CEILINGS, ETC. REQUIRED BY CUTTING FOR NEW WORK TO MATCH EXISTING FINISHES AND FIRE RATINGS. FIRE SEAL AROUND ALL PIPES, DUCTS, CONDUITS, ETC. WHERE REQUIRED BY CODE.
19. PROVIDE SOLID WOOD BLOCKING FOR THE SUPPORT OF ALL SHELVING, CASEWORK, TELEVISIONS, MONITORS, ETC. COORDINATE FINAL LOCATION WITH OWNER.

Revisions		
No.	Date	Description

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGH PORTADIN FARRELL. MAMPF RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREOF. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MAMPF VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.

© 2017, MANDERS MERIGH PORTADIN FARRELL ARCHITECTS, LLC

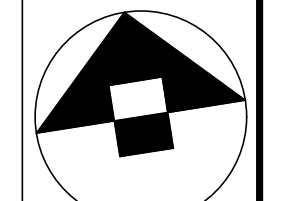


Manders Merigh Portadin Farrell Architects, LLC
1138 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856 696 9155 | f. 856 696 9080 | www.mmpfa.com

David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-19058
Peter W. Farrell AIA AI-13618

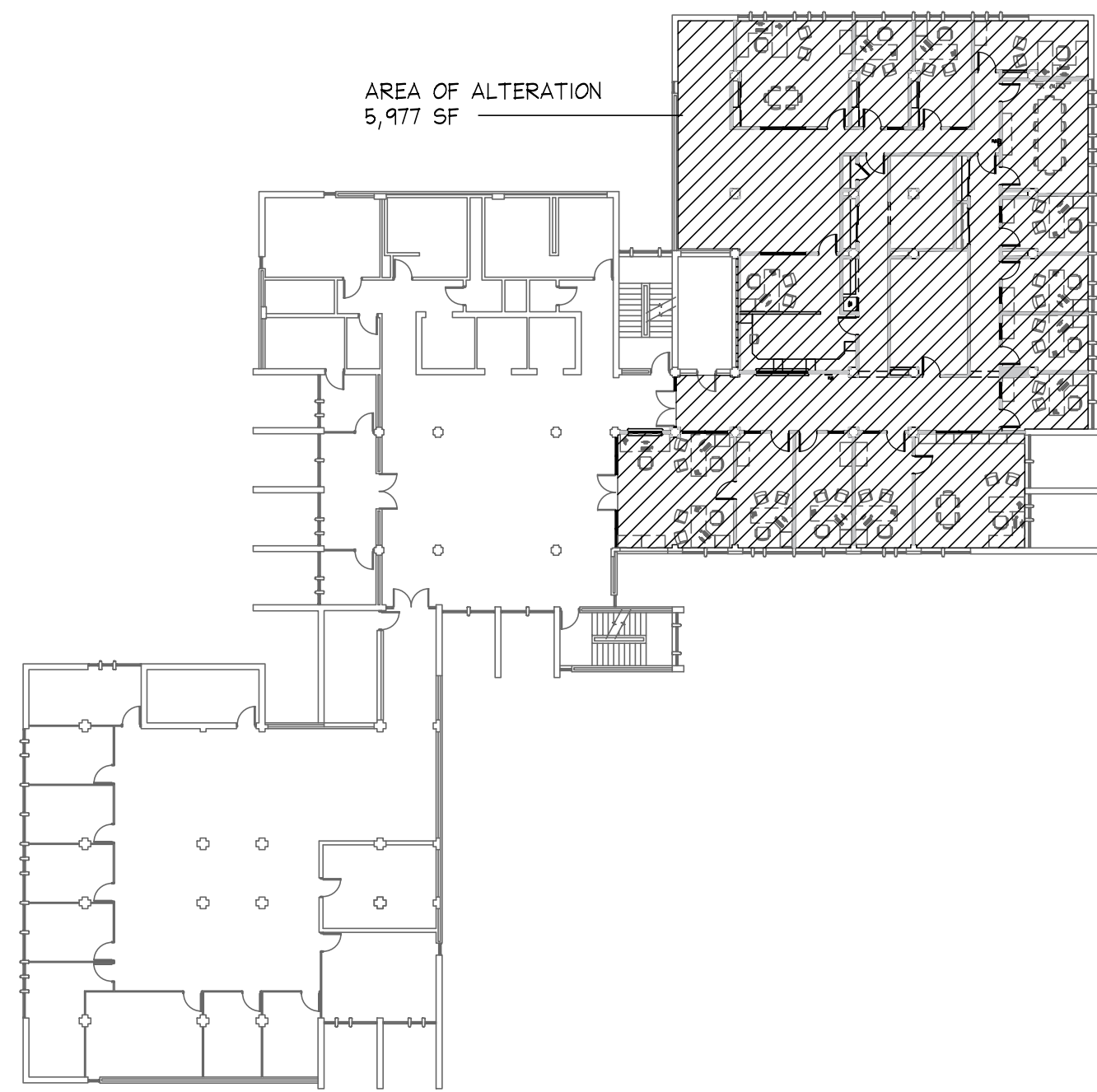
Project
VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATIONS
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing
KEY PLAN, FLOOR
PLAN NOTES

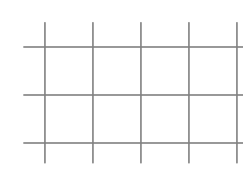

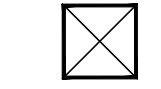
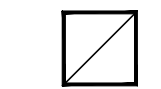
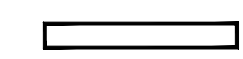


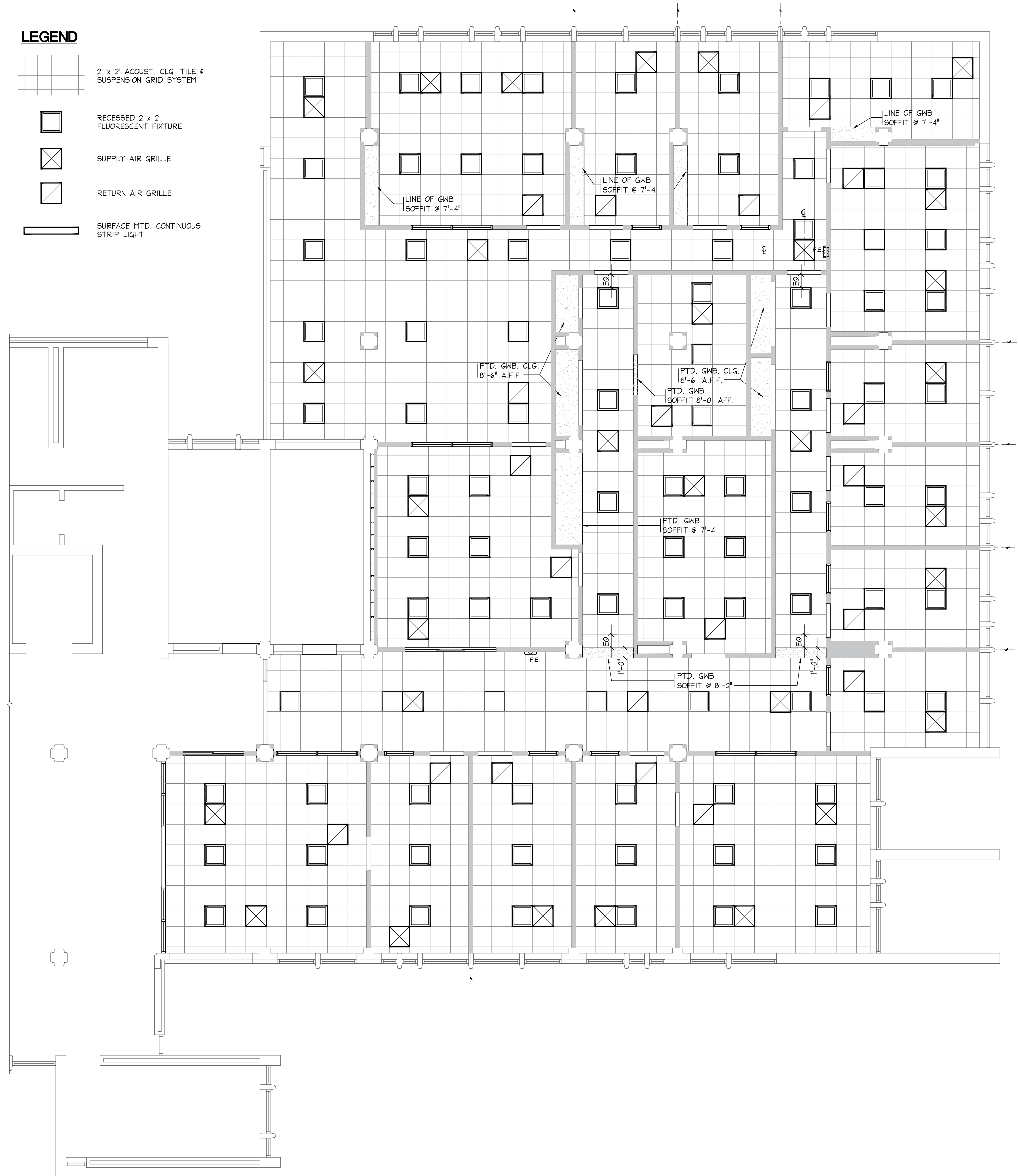
Scale	Job	Sheet
AS NOTED	22,099	A1.0
Drawn	Date	
NDZ ANA	01/24/24	2 of 5

Revisions		
No.	Date	Description



KEY PLAN (4TH FLOOR) ②
N.T.S.

- LEGEND**
-  2' x 2' ACCOUST. CLG. TILE & SUSPENSION GRID SYSTEM
 -  RECESSED 2 x 2 FLUORESCENT FIXTURE
 -  SUPPLY AIR GRILLE
 -  RETURN AIR GRILLE
 -  SURFACE MTD. CONTINUOUS STRIP LIGHT

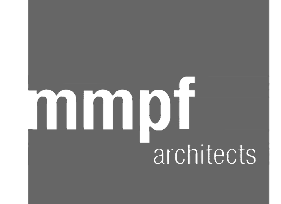


4TH FLOOR REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"

①

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL. MMFP RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREOF. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MMFP VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.

© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC

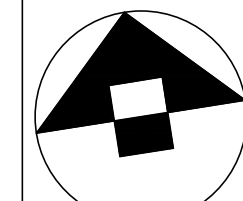


Manders Merighi Portadin Farrell Architects, LLC
1138 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856 696 9155 | f. 856 696 9080 | www.mmpfa.com

David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-13058
Peter W. Farrell AIA AI-13618

Project
**VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATIONS**
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing
REFLECTED CEILING
PLAN



Scale	Job	Sheet
AS NOTED	22,099	A.11
Drawn	Date	3 of 5
NDZ ANA	01/24/24	

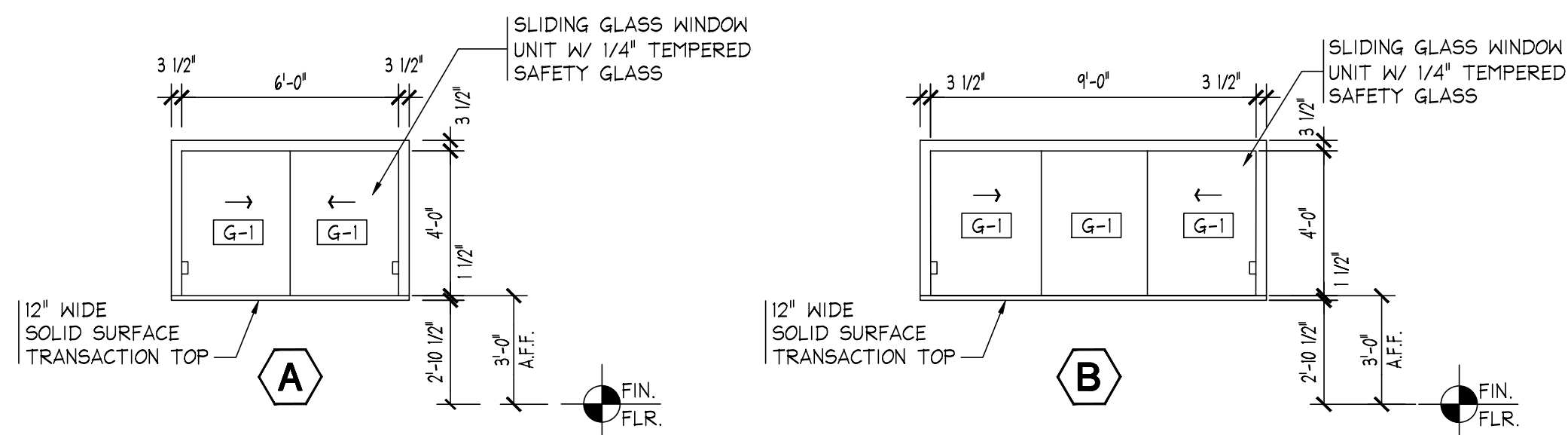
ROOM FINISH SCHEDULE						
ROOM NAME	FLOOR	BASE	WALL	CLG.	HEIGHT	REMARKS
CORRIDOR #1	CARPET TILE	4" VINYL	PTD. GNB/BRICK	ACOUSTIC TILE	8'-10"	
OFFICE #1	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #2	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #3	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #4	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #5	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
FILE RM. #1	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
CORRIDOR #2	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #6	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #7	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #8	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #9	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
CONFERENCE RM.	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
CORRIDOR #3	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #10	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #11	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #12	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #13	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
FILE RM. #2	CARPET TILE	4" VINYL	PTD. GNB/BRICK	ACOUSTIC TILE	8'-10"	
CORRIDOR #4	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
COPY ROOM	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
OFFICE #14	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	
RECEPTION	CARPET TILE	4" VINYL	PTD. GNB	ACOUSTIC TILE	8'-10"	

- NOTES:
- COORDINATE ALL FINISH SELECTIONS/LOCATIONS WITH OWNER.
 - PROVIDE 6" UNFACED INSULATION BATTS ABOVE ALL ACOUSTICAL TILE CEILINGS.
 - DO NOT INSTALL VINYL BASE OVER EXISTING EXPOSED BRICK WALLS AND CONC. COLUMNS.
 - EXISTING CONCRETE COLUMNS, BRICK VENEER AND CONCRETE WALL PANELS AT EXT. WALLS ARE TO BE CLEANED, PREPPED AND PAINTED WHERE EXPOSED TO VIEW.
 - EXTEND CARPET TILE AND BASE INTO ALL CLOSETS AND ALCOVES. ALL GNB TO BE PAINTED.

DOOR SCHEDULE												
NO.	WIDTH	HEIGHT	DOOR			MATERIAL	FINISH	FRAME		HDW. NO.	REMARKS	NO.
			THK.	TYPE	MATERIAL			FINISH				
1	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	03		1
2	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	01		2
3	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	01		3
4	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	03		4
5	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	03		5
6	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	01		6
7	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	05		7
8	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	01		8
9	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	01		9
10	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	01		10
11	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	0A.1		11
12	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	2	HOL. MTL.	PTD.	06	BI-PASS DOORS	12
13	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	2	HOL. MTL.	PTD.	06	BI-PASS DOORS	13
14	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	0A		14
15	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	0A.1		15
16	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	01		16
17	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	02		17
18	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	02		18
19	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	01		19
20	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	0A		20
21	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	0A		21
22	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	2	HOL. MTL.	PTD.	06	BI-PASS DOORS	22
23	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	01		23
24	3'-0"	8'-0"	1-3/4"	F	S.C. WOOD	PTD.	1	HOL. MTL.	PTD.	01		24

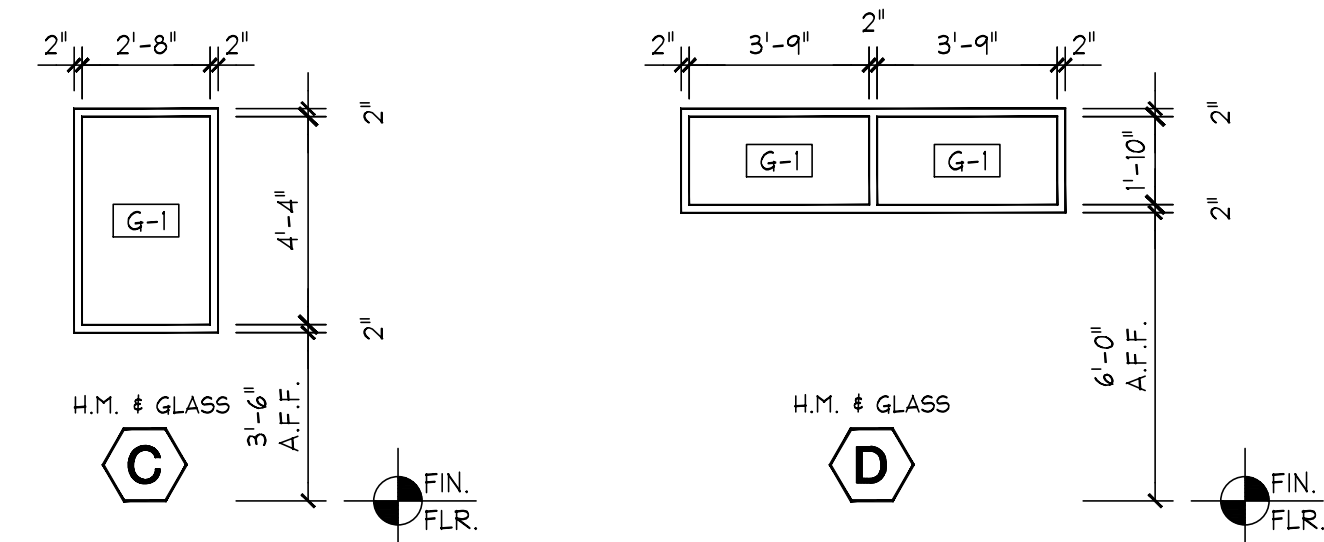
- NOTES:
- ALL DOOR HARDWARE TO CONFORM TO NJ UCC BARRIER-FREE SUBCODE
 - SEE SPECIFICATIONS FOR ALL H.M. FRAMES IN CONTACT W/ MASONRY.
 - COORDINATE ALL HARDWARE AND KEYING W/ OWNER.
 - GENERAL CONTRACTOR TO CONFIRM EXISTING KEY SYSTEM WITH OWNER AND TIE NEW CYLINDERS INTO EXISTING SYSTEM

GLAZING SCHEDULE	
TYPE	DESCRIPTION
G-1	1/4" TEMPERED GLASS



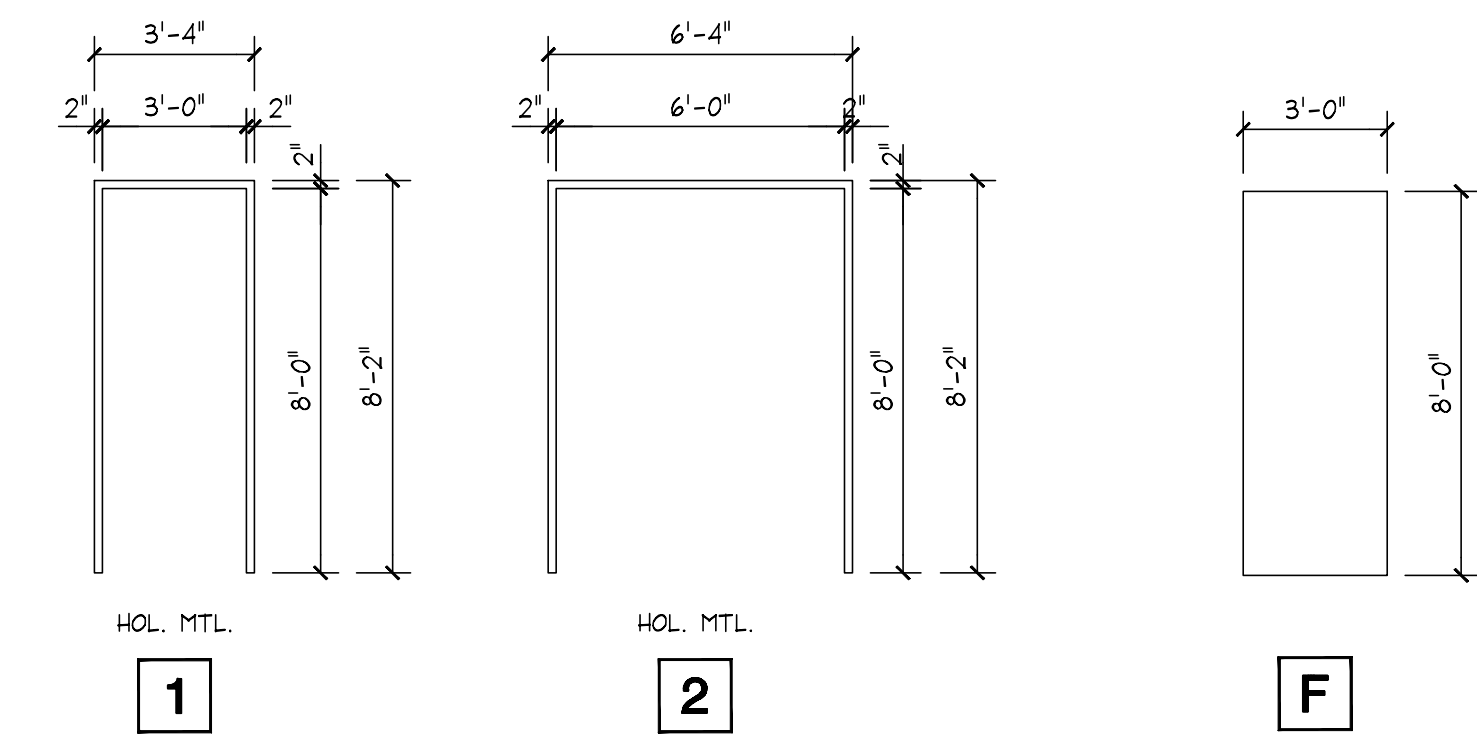
WINDOW TYPES

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



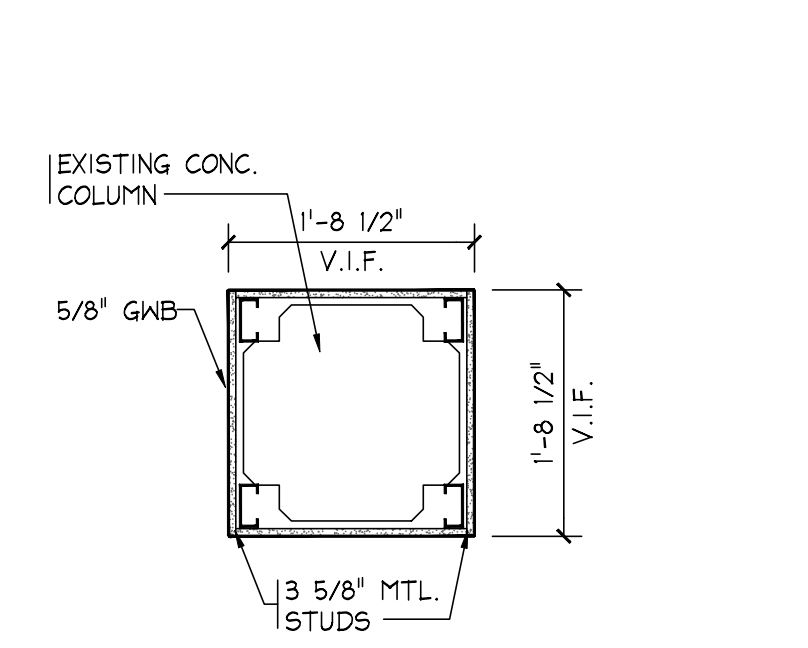
FRAME TYPES

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



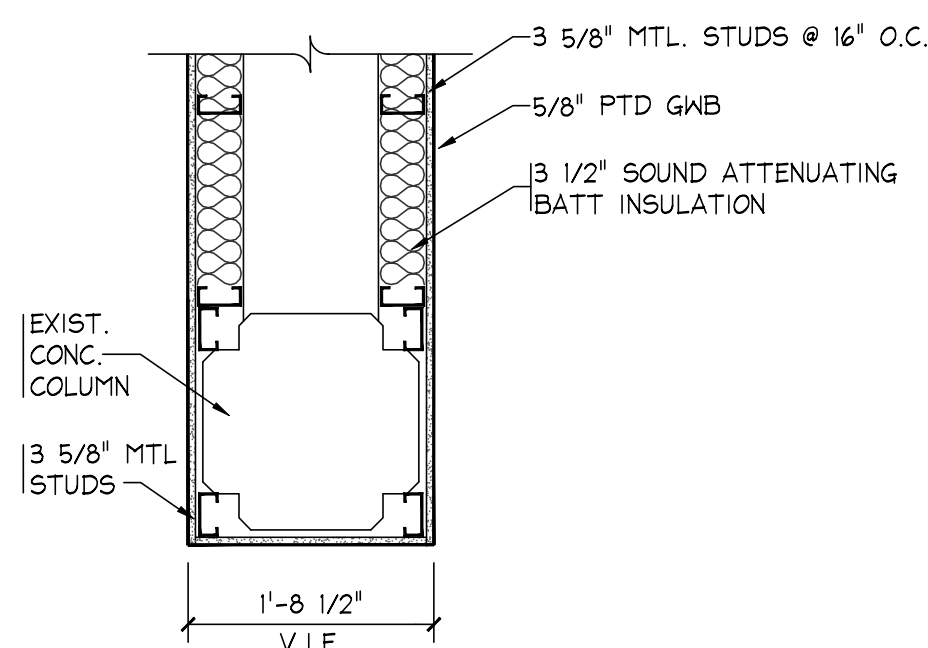
DOOR TYPES

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



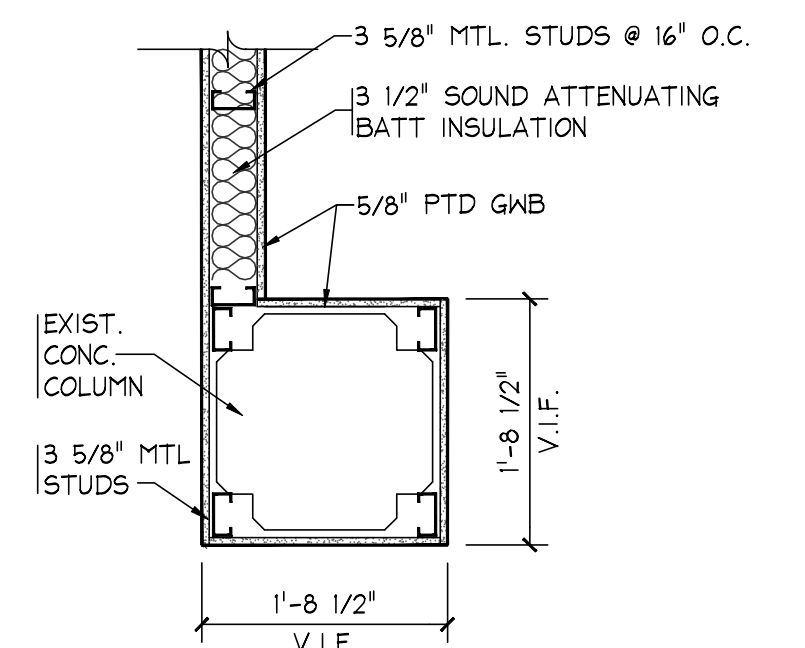
COLUMN DETAIL 1

SCALE: 3/4" = 1'-0"



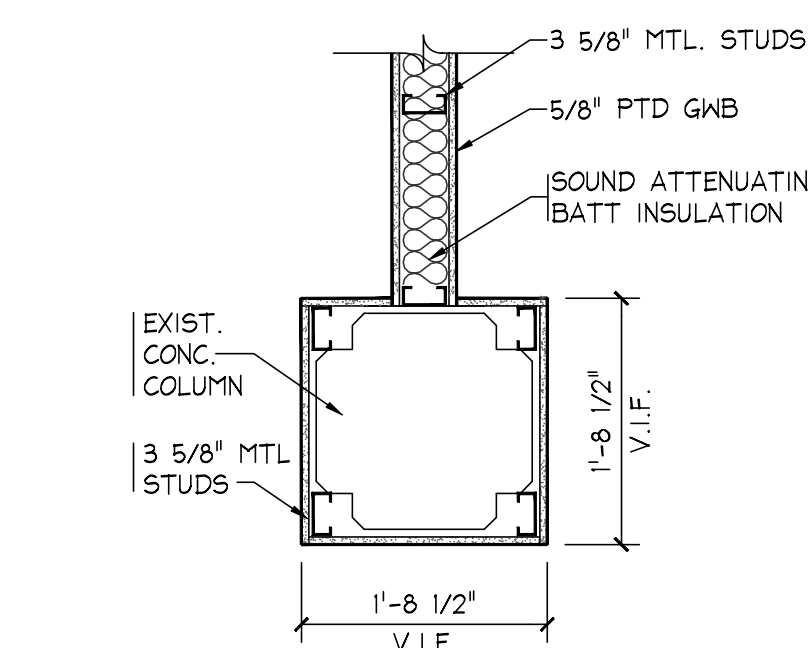
COLUMN DETAIL 2

SCALE: 3/4" = 1'-0"



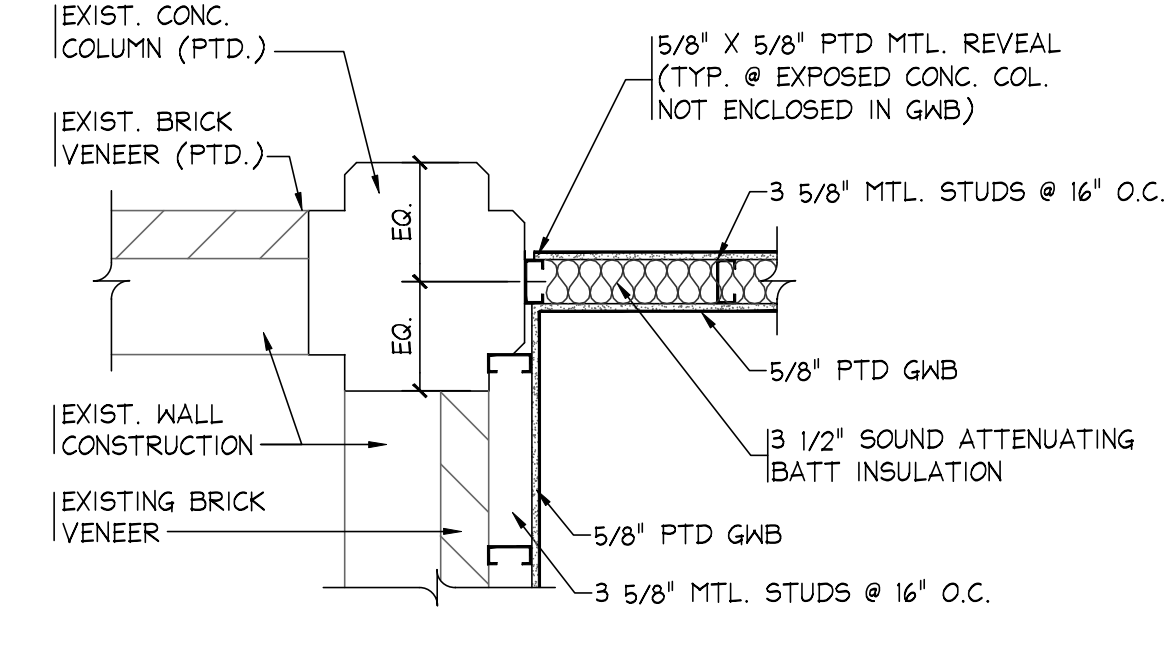
COLUMN DETAIL 3

SCALE: 3/4" = 1'-0"



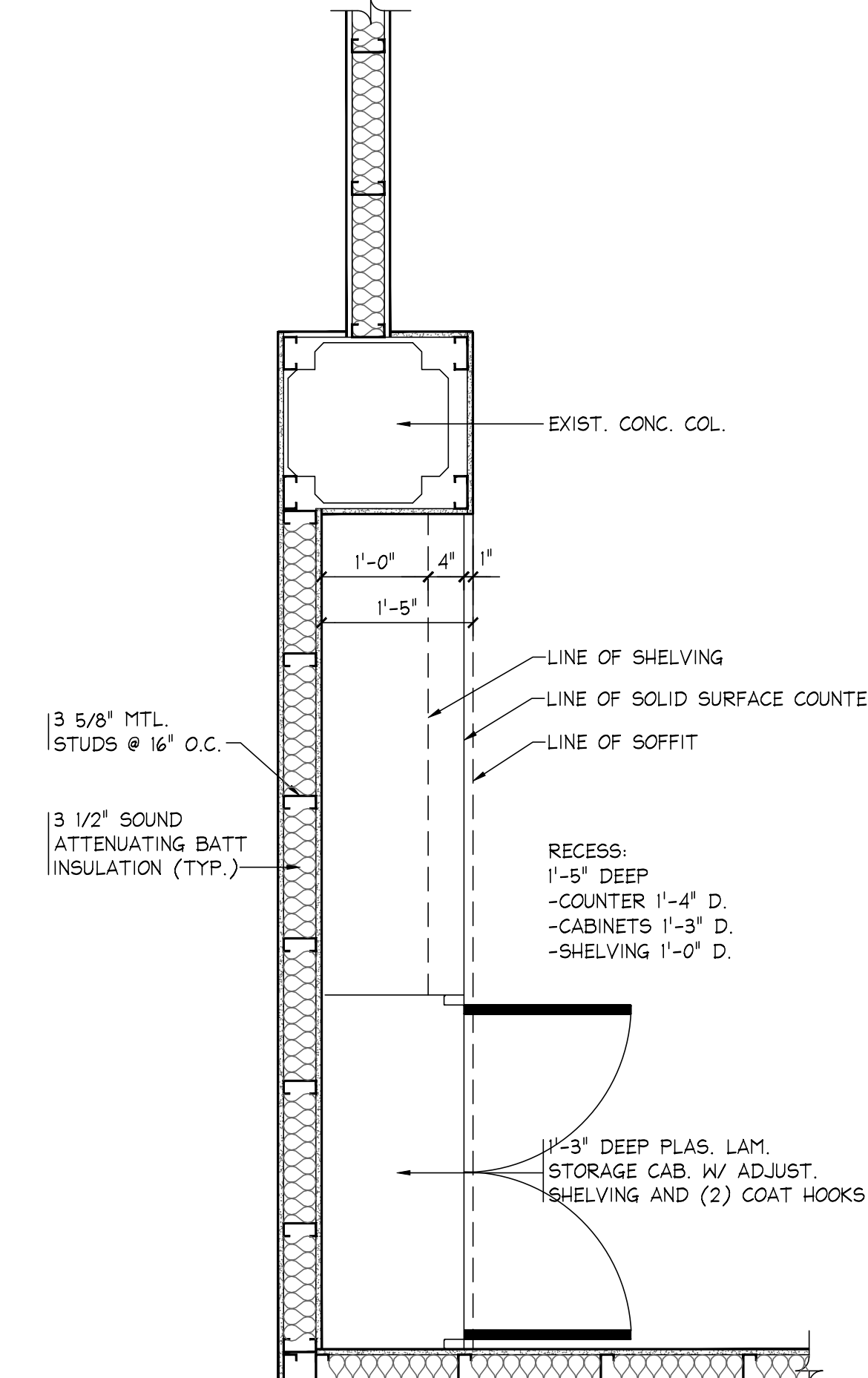
COLUMN DETAIL 4

SCALE: 3/4" = 1'-0"



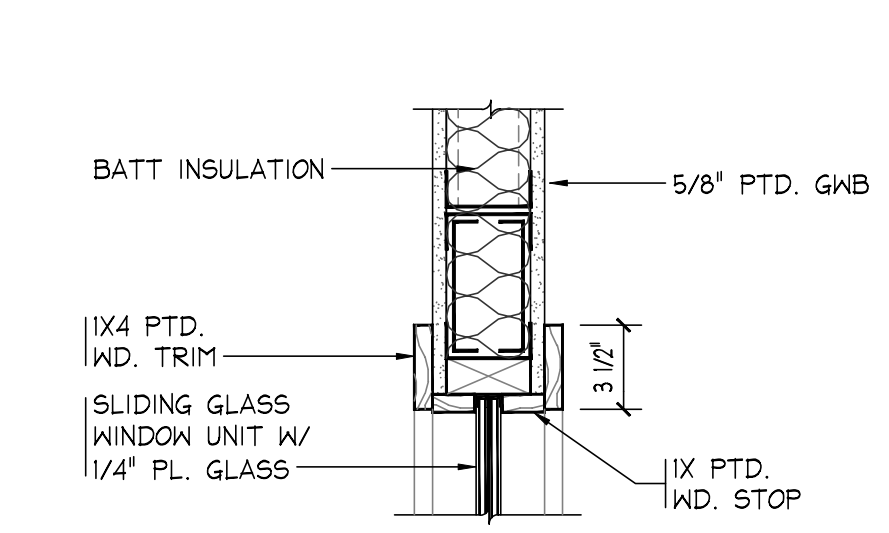
DETAIL @ EXPOSED CONC. COL.

SCALE: 3/4" = 1'-0"

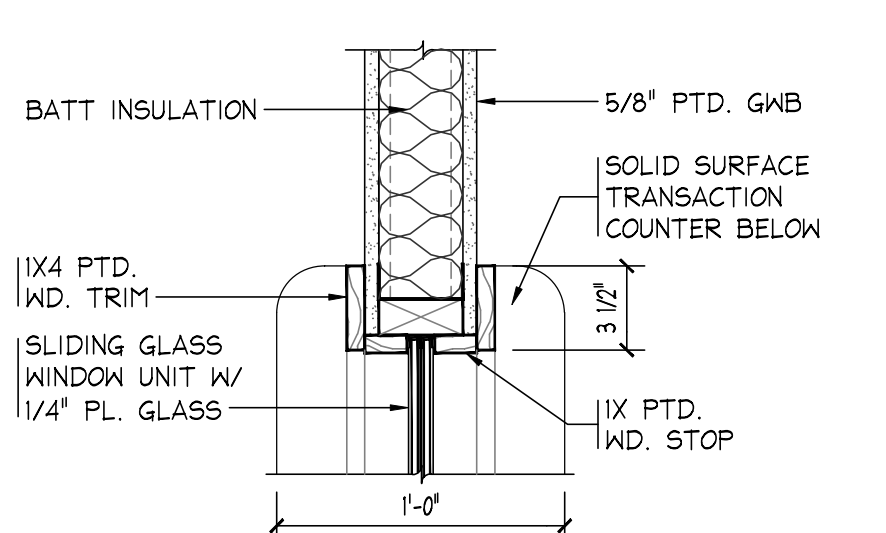


DETAIL @ OFFICE CASEWORK

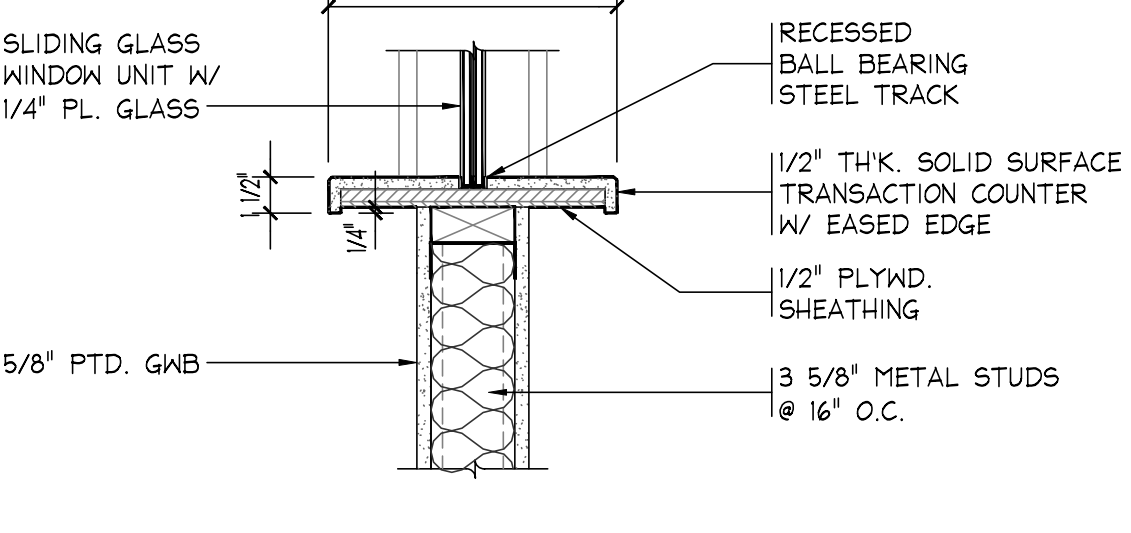
SCALE: 3/4" = 1'-0"



WH-1



WJ-1



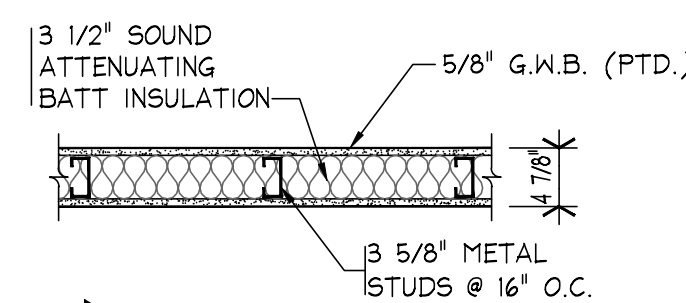
WS-1

WINDOW DETAILS

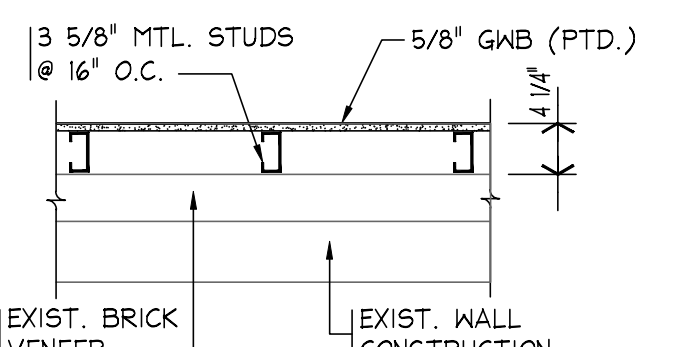
SCALE: 1 1/2" = 1'-0"

Revisions		
No.	Date	Description

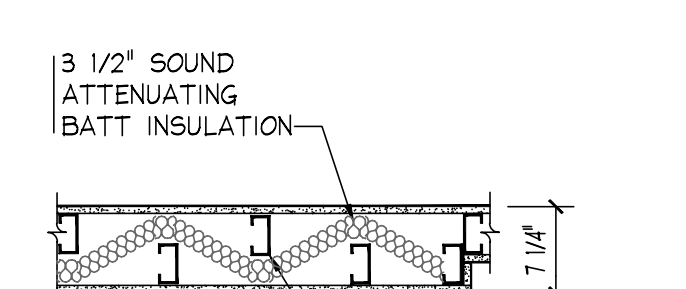
PARTITION TYPES



1 PARTITION TYPE



2 PARTITION TYPE



3 PARTITION TYPE

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL. MMFP RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREOF. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MMFP VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.

© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC



Manders Merighi Portadin Farrell Architects, LLC
1138 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856 696 9155 | f. 856 696 9080 | www.mmfp.com

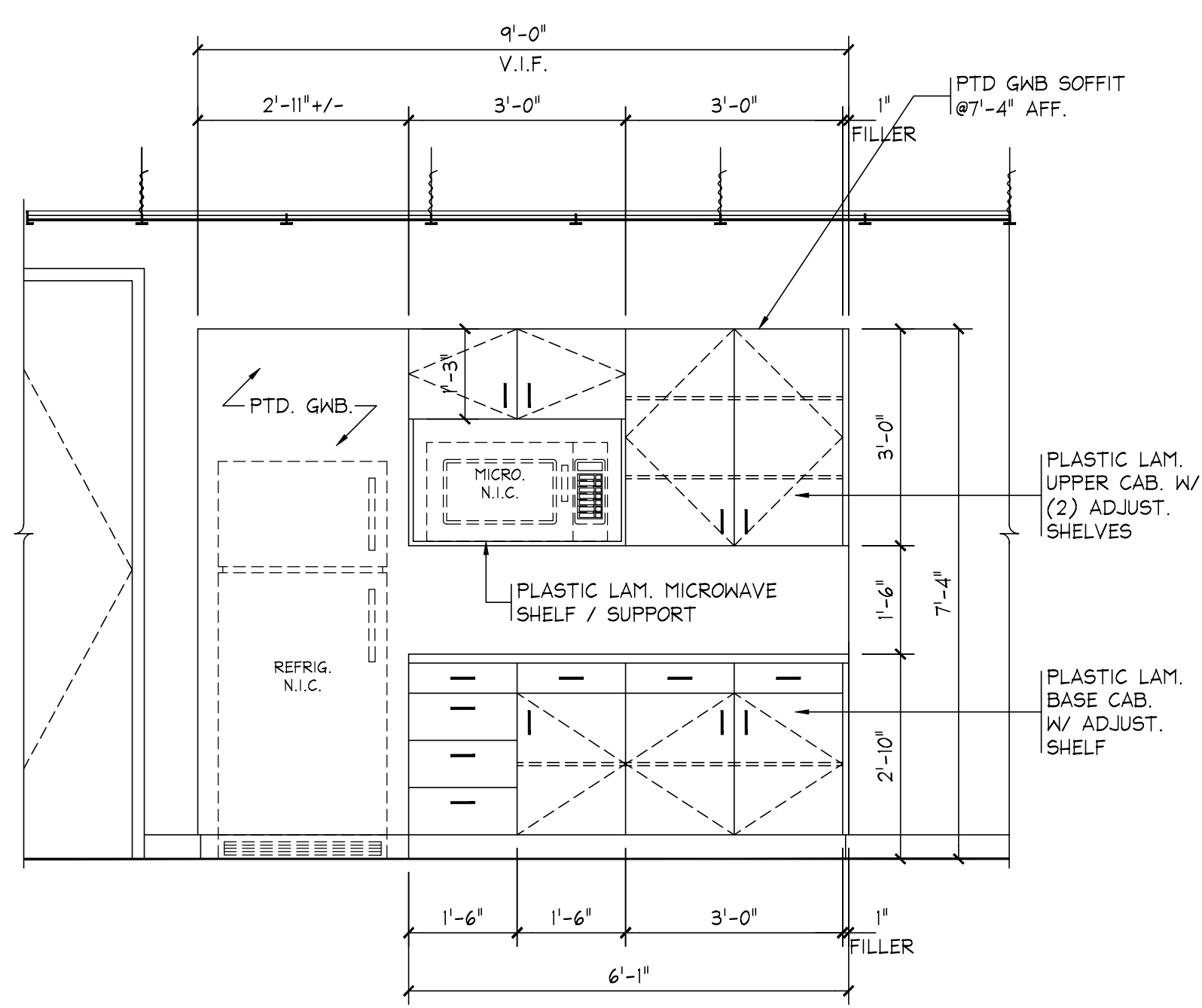
David G. Manders AIA
Lawrence J. Merighi AIA
Ronald P. Portadin AIA
Peter W. Farrell AIA

AJ-07220
AJ-07473
AJ-13038
AJ-13618

Project
**VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATIONS**
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing		
Scale	Job	Sheet
AS NOTED	22,099	A2.0
Drawn NDZ ANA	Date 01/24/24	4 of 5

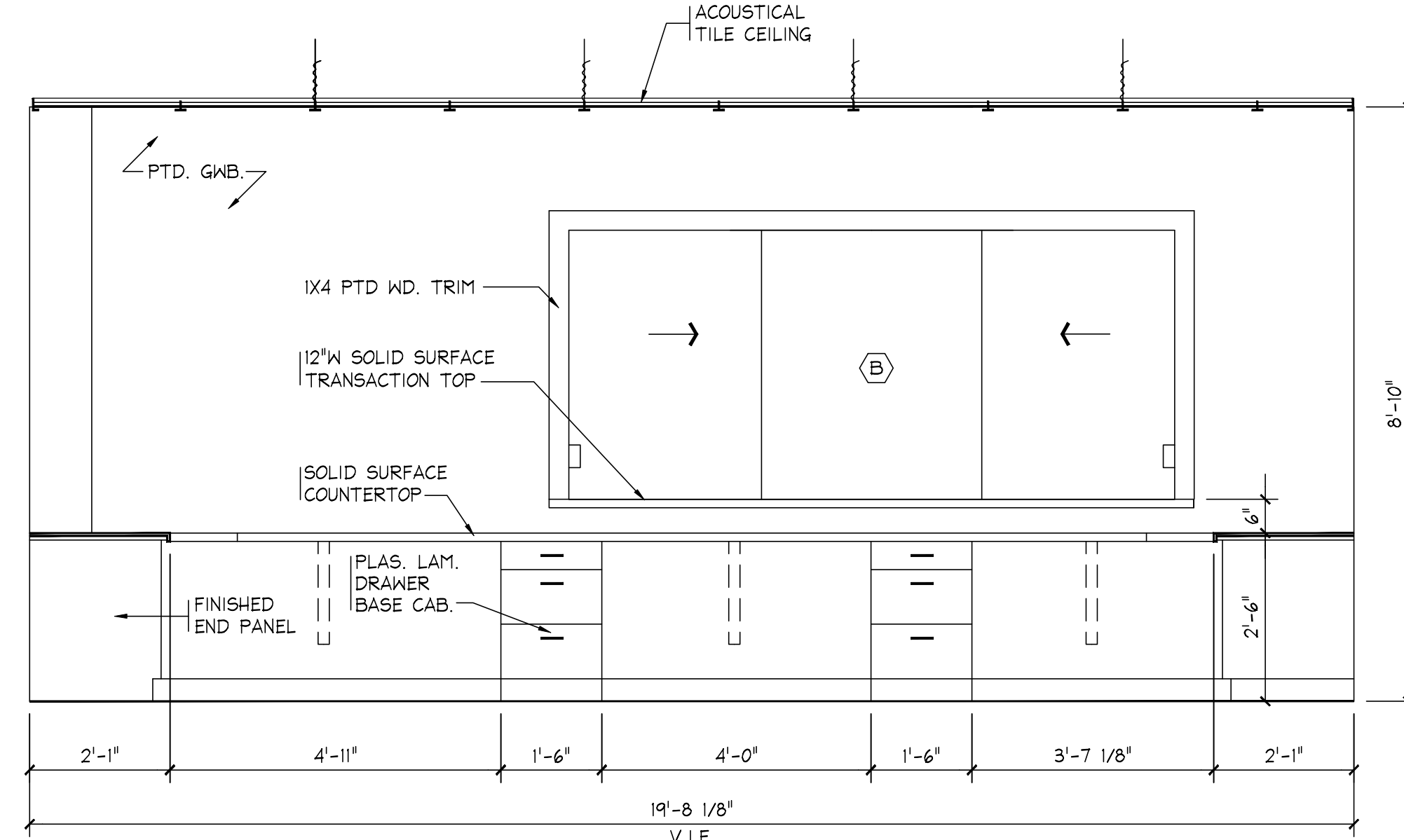
Revisions		
No.	Date	Description



KITCHENETTE ELEVATION

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

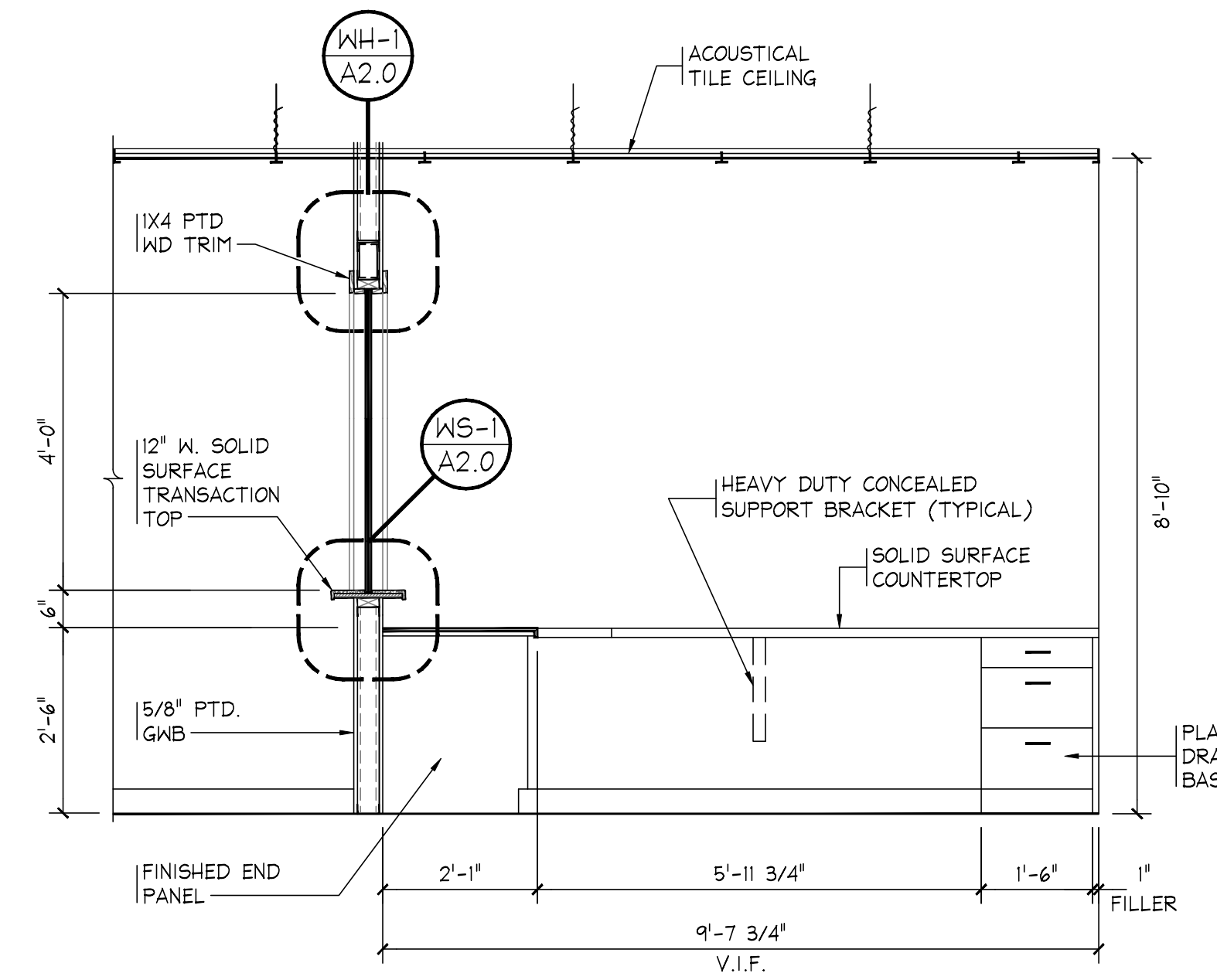
①



RECEPTION ELEVATION

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

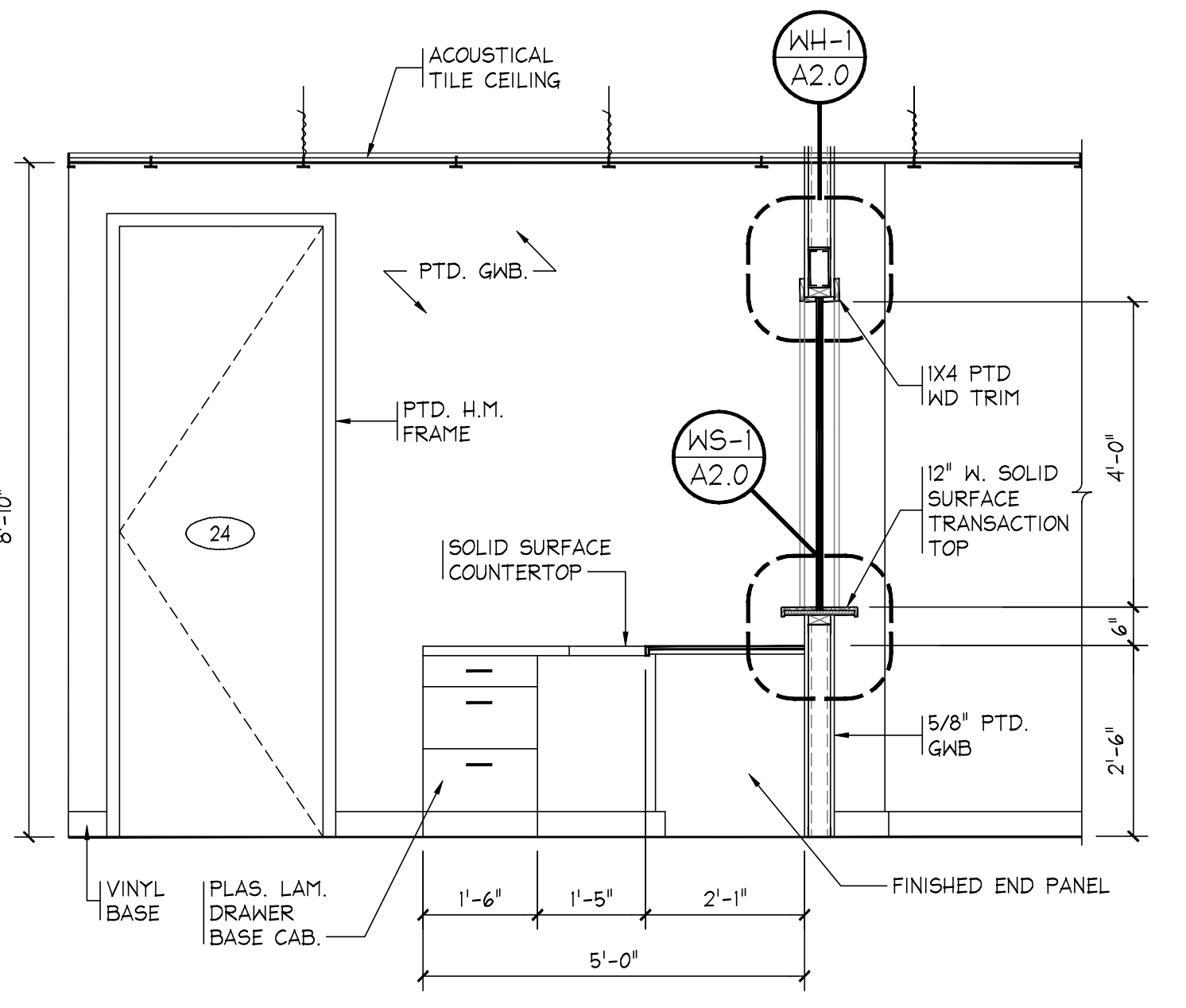
②



RECEPTION ELEVATION

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

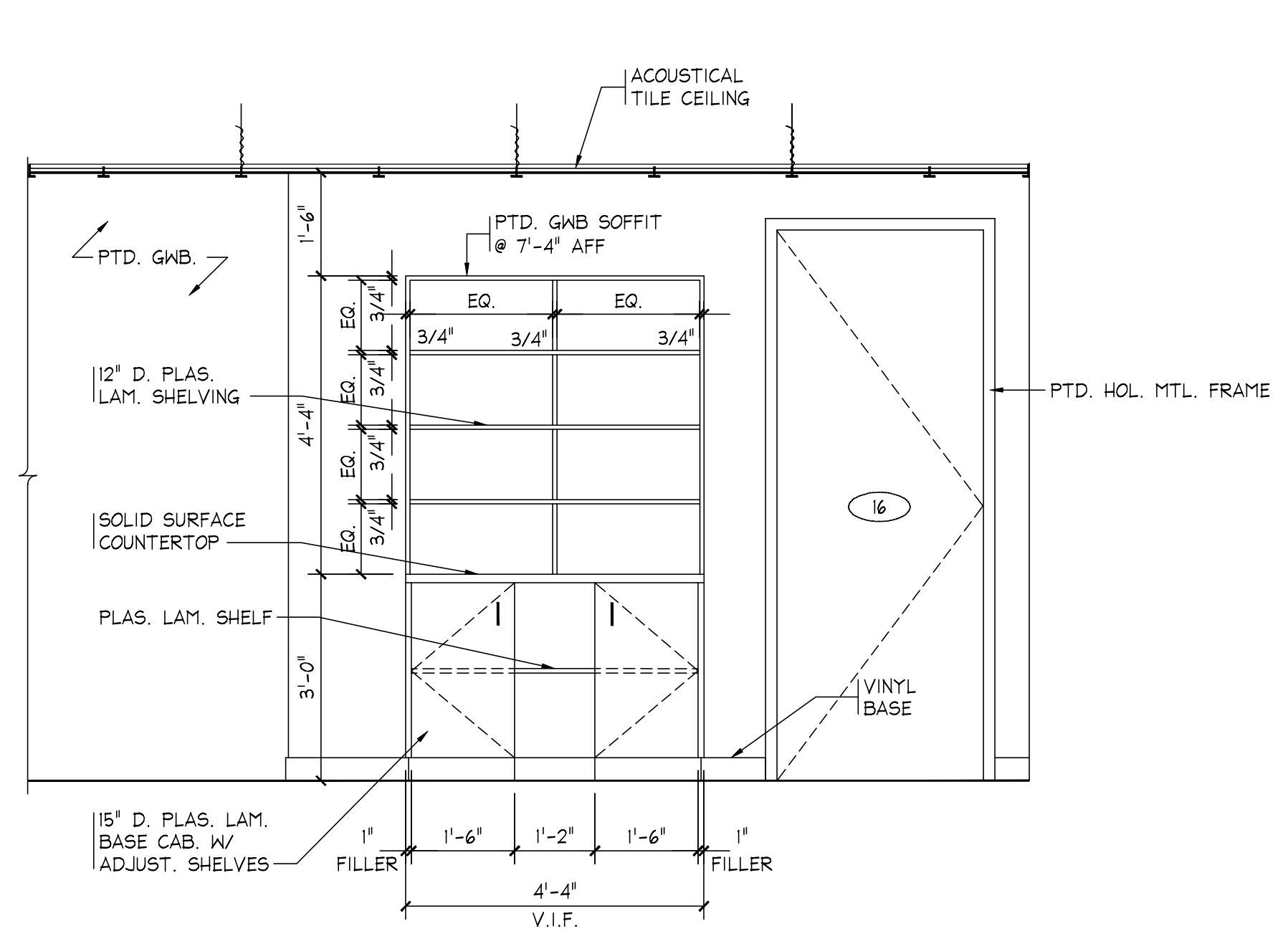
③



RECEPTION ELEVATION

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

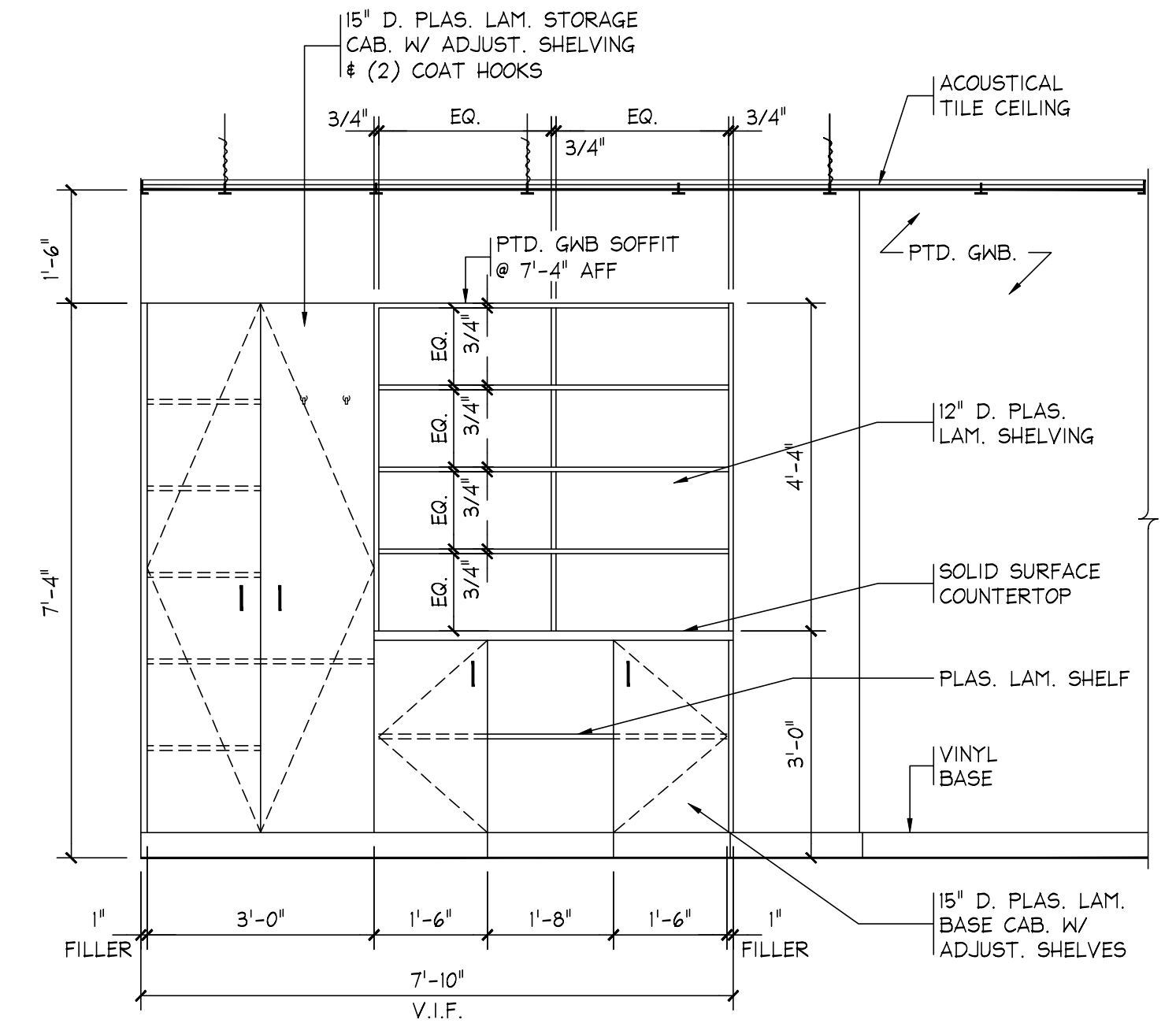
④



OFFICE #10 ELEVATION

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

⑤



OFFICE #11, #12, #13 ELEVATION

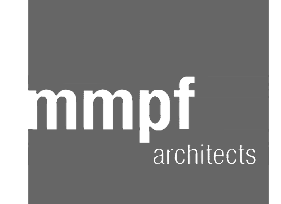
SCALE: 1/2" = 1'-0"

SEE PLAN DETAIL 6/A2.0 FOR ADDITIONAL INFORMATION

⑥

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL. MMPF RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREOF. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MMPF VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.

© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC



Manders Merighi Portadin Farrell Architects, LLC
1138 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856.696.9155 | f. 856.696.9080 | www.mmpfa.com

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
VINELAND CITY HALL
4TH FLOOR OFFICE RENOVATIONS
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing		
INTERIOR ELEVATIONS		
Scale	Job	Sheet
AS NOTED	22,099	A2.1
Drawn	Date	
NDZ ANA	01/24/24	5 of 5

ELECTRICAL SYMBOLS LIST

(NOT ALL SYMBOLS ARE NECESSARILY USED ON THIS PROJECT)

LIGHTING SYMBOLS

	2'x4'/2'x2'/1'x4' RECESSED CEILING MOUNTED LIGHT FIXTURE A = FIXTURE TYPE o = CONTROLLED BY SWITCH NL = NIGHT LIGHT
	WALL MOUNTED LIGHT FIXTURE A = FIXTURE TYPE o = CONTROLLED BY SWITCH NL = NIGHT LIGHT
	STRIP LIGHT FIXTURE — TYPE AS NOTED A = FIXTURE TYPE o = CONTROLLED BY SWITCH
	SIMILAR TO ABOVE WITH EMERGENCY BACKUP A = FIXTURE TYPE o = CONTROLLED BY SWITCH
	CEILING MOUNTED/RECESSED FIXTURE A = FIXTURE TYPE o = CONTROLLED BY SWITCH
	WALL MOUNTED LIGHT FIXTURE A = FIXTURE TYPE o = CONTROLLED BY SWITCH
	SIMILAR TO ABOVE WITH EMERGENCY BACKUP A = FIXTURE TYPE o = CONTROLLED BY SWITCH
	UNDERCABINET LIGHT FIXTURE A = FIXTURE TYPE
	ACCENT LIGHT OR WALL WASHER A = FIXTURE TYPE o = CONTROLLED BY SWITCH
	CEILING MOUNTED EXIT LIGHT — DIRECTIONAL ARROWS WHERE INDICATED — SHADED AREAS INDICATE ILLUMINATED FACE/FACES W = WALL MOUNTED E = END MOUNTED C = CEILING MOUNTED
	EMERGENCY BATTERY LIGHT UNIT A = FIXTURE TYPE
	REMOTE LIGHT HEADS FOR EMERGENCY BATTERY LIGHT UNIT — TYPE AS NOTED

POWER SYMBOLS

	SINGLE POLE SWITCH
	DOUBLE POLE SWITCH
	THREE-WAY SWITCH
	FOUR-WAY SWITCH
	CONTROLS SWITCH LEG 'L'
	DOOR SWITCH
	MOMENTARY CONTACT SWITCH
	PILOT LIGHT
	LOW VOLTAGE SWITCH
	DISCONNECT SWITCH — TOGGLE TYPE WITH THERMAL OVERLOAD — HP RATED
	DISCONNECT SWITCH — TOGGLE TYPE MOTOR RATED, AMPS AND # OF POLES AS REQUIRED
	VACANCY SENSOR, WALL MOUNTED
	VACANCY SENSOR, CEILING MOUNTED
	OCCUPANCY SENSOR, CEILING MOUNTED
	PHOTOCELL SENSOR, WALL MOUNTED
	20A, 125V DUPLEX RECEPTACLE — FLUSH WALL MOUNTED CONTROLLED FROM WALL SWITCH "o"
	20A, 125V DUPLEX RECEPTACLE — FLUSH WALL MOUNTED, TAMPER RESISTANT
	20A, 125V DUPLEX RECEPTACLE WITH DUAL USB CHARGING OUTLETS FLUSH WALL MOUNTED
	20A, 125V DUPLEX RECEPTACLE — FLUSH WALL MOUNTED, CONTROLLED
	20A, 125V QUADRUPLUX RECEPTACLE — FLUSH WALL MOUNTED
	20A, 125V ISOLATED GROUND, DUPLEX RECEPTACLE, FLUSH WALL MOUNTED
	20A, 125V DUPLEX RECEPTACLE, FLUSH WALL MOUNTED, GFI TYPE
	20A, 125V EMERGENCY DUPLEX RECEPTACLE, FLUSH WALL MOUNTED
	SINGLE RECEPTACLE, FLUSH WALL MOUNTED
	20A, 125V DUPLEX RECEPTACLE, FLUSH FLOOR MOUNTED
	PEDESTAL MOUNTED 20A, 125V DUPLEX RECEPTACLE
	PEDESTAL MOUNTED 20A, 125V QUADRUPLUX RECEPTACLE
	PENDANT MOUNTED 20A, 125V DUPLEX RECEPTACLE
	UTILITY METER, ION

	SPECIAL PURPOSE RECEPTACLE, FLUSH FLOOR MOUNTED, A = TYPE
	SPECIAL PURPOSE RECEPTACLE, FLUSH WALL MOUNTED, A = TYPE
	WALL MOUNTED CLOCK D = DOUBLE FACE
	MOTOR CONTROLLER
	COMBINATION MOTOR CONTROLLER AND DISCONNECT SWITCH AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED
	UNFUSED DISCONNECT SWITCH SWITCH AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED
	FUSED DISCONNECT SWITCH SWITCH AMPS/FUSE AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED
	ENCLOSED CIRCUIT BREAKER TRIP AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED
	POWER POLE
	SURFACE MOUNTED PANELBOARD
	FLUSH MOUNTED PANELBOARD
	CEILING MOUNTED JUNCTION BOX
	FLUSH WALL MOUNTED JUNCTION BOX
	FLUSH FLOOR MOUNTED JUNCTION BOX
	PUSH BUTTON K = KEY OPERATED H = HOLD UP EPO = EM. POWER OFF
	EXISTING CONDUIT/EQUIPMENT TO BE REMOVED
	POINT OF CONNECTION
	POINT OF DISCONNECTION

FIRE ALARM SYMBOLS

	CEILING MOUNTED SPACE SMOKE DETECTOR
	DUCT SMOKE DETECTOR
	CEILING MOUNTED CARBON MONOXIDE DETECTOR
	SINGLE/MULTI STATION SMOKE ALARM
	SINGLE/MULTI STATION CARBON MONOXIDE ALARM
	THERMAL DETECTOR RATE-OF-RISE F = FIXED TEMPERATURE
	SPRINKLER WATERFLOW SWITCH
	SPRINKLER PRESSURE SWITCH
	SPRINKLER TAMPER SWITCH
	FIRE ALARM PULL STATION
	FIRE ALARM TELEPHONE JACK
	COMBINATION FIRE ALARM SPEAKER AND STROBE LIGHT UNIT — FLUSH WALL MOUNTED
	FIRE ALARM SPEAKER — FLUSH WALL MOUNTED C = CEILING MOUNTED
	COMBINATION FIRE ALARM HORN AND STROBE LIGHT UNIT, FLUSH WALL MOUNTED
	FIRE ALARM HORN — FLUSH WALL MOUNTED C = CEILING MOUNTED
	LOW FREQUENCY SOUNDER (520 HZ) — FLUSH WALL MOUNTED C = CEILING MOUNTED
	COMBINATION FIRE ALARM BELL AND STROBE LIGHT UNIT, FLUSH WALL MOUNTED
	FIRE ALARM BELL, FLUSH WALL MOUNTED
	FIRE ALARM MONITOR MODULE
	FIRE ALARM CONTROL MODULE
	DOOR HOLDERS
	ELECTROMAGNETIC DOOR RELEASE
	ELEVATOR RECALL TIE-IN POINT
	FLUSH WALL MOUNTED STROBE LIGHT UNIT
	CEILING MOUNTED STROBE LIGHT UNIT
	REMOTE INDICATOR LIGHT

VOICE/DATA/P.A. SYMBOLS

	WALL MOUNTED PUBLIC ADDRESS SPEAKER D = DUAL HORN
	CEILING MOUNTED PUBLIC ADDRESS SPEAKER D = DUAL HORN
	VOICE & DATA OUTLET LOCATION WITH 1" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING #/# = # OF VOICE JACKS/# OF DATA JACKS
	VOICE OUTLET LOCATION WITH 1" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING P = PUBLIC F = FAX W = WALL MOUNTED # = # OF JACKS
	DATA OUTLET LOCATION WITH 1" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING # = # OF JACKS
	TELEVISION OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING
	CLOSED CIRCUIT TV CAMERA OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CLG
	CARD ACCESS STATION OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CLG

ABBREVIATIONS

(NOT ALL ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT)

1P	SINGLE POLE	JB	JUNCTION BOX
2P	TWO POLE	KCMIL	KILOHM CIRCULAR MILS
3P	THREE POLE	KILOVOLT	KILOVOLT
A	AMPERE	KVA	KILOVOLT AMPERE
AC	ACROSS COUNTER	KWH	KILOWATT HOUR
ACB	AIR CIRCUIT BREAKER	LMCM	LIQUIDTIGHT FLEXIBLE
AFB	ABOVE FINISHED FLOOR	LIQ	LIQUIDTIGHT FLEXIBLE
AFG	ABOVE FINISHED GRADE	LFC	LIQUIDTIGHT FLEXIBLE
AJH	AUTHORITY HAVING JURISDICTION	LM	LIQUIDTIGHT FLEXIBLE
AIC	AMPERE INTERRUPTING CAPACITY	LTG	LIQUIDTIGHT FLEXIBLE
AL	ALUMINUM	M	MINIMUM
ALM	ALUMINUM	MAP	MAXIMUM
AMM	AMMETER	MAX	MAXIMUM
ARF	ABOVE RAISED FLOOR	MCH	MECHANICAL ROOM
ATS	AUTOMATIC TRANSFER SWITCH	MCC	MAIN DISTRIBUTION PANEL
AUTO	AUTOMATIC	MECH	MECHANICAL ROOM
AV	AUDIO VISUAL	MFR	MANUFACTURER
AWG	AMERICAN WIRE GAUGE	MFS	MAIN FUSED SWITCH
BFC	BELOW FINISHED CEILING	MH	MANHOLE, METAL HALIDE
BG	BREAK GLASS SWITCH	MI	MINIMUM
BL	BASIC IMPULSE LEVEL	MIR	MAIN FUSED SWITCH
BLDG	BUILDING	MIN	MINIMUM
CAB	CABINET	MLO	MAX OVERCURRENT PROTECTION
CAT	CATALOG	MOPD	MAX OVERCURRENT PROTECTION
C	CONDUIT	MTD	MOUNTED
CB	CIRCUIT BREAKER	MTR	MECHANICAL ROOM
CCTV	CLOSED CIRCUIT TELEVISION	MTS	MANUAL TRANSFER SWITCH
CL	CENTER LINE	N	NEUTRAL
CLG	CEILING	NC	NORMALLY CLOSED
CLT	CONTROL	NC	NORMALLY CLOSED
CO	CONDUIT ONLY	ND	NORMALLY OPEN
COM	COMMUNICATION	NE	NOT IN CONTRACT
CONN	CONNECTED	NO	NORMALLY OPEN
CONT	CONTINUATION	NOT	NOT TO SCALE
CT	CURRENT TRANSFORMER	OC	ON CENTER
COPPER	COPPER	OCCB	OIL CIRCUIT BREAKER
CUH	CABINET UNIT HEATER	OD	OUTSIDE DIAMETER
DB	DEGREE	OH	OVERHEAD
DE	DUAL ELEMENT FUSE(S)	P	POLE
DEG	DEGREE	PA	PUBLIC ADDRESS
°C	DEGREE CELSIUS	PB	PULL BOX
°F	DEGREE FAHRENHEIT	PBS	PUSH BUTTON SWITCH
DA	DIAMETER	PCC	PLUMBING CONTRACTOR
DISC	DISCONNECT	PHC	PIPE HEATING CABLE
DIV	DIVISION	PH	PHASE
DN	DOWN	PML	PANEL
DP	DISTRIBUTION PANEL BOARD	PM	PRIMARY
DS	DISCONNECT SWITCH	PT	POTENTIAL TRANSFORMER
DWG	DRAWING	PR	POWER
(E)	EXISTING TO REMAIN	RCS	REMOTE CONTROL SWITCH
EA	EACH	(RE)	RELOCATED EXISTING
EC	ELECTRICAL CONTRACTOR	REC	RECEPTACLE
ELEV	ELEVATION	REF	REFRIGERATOR
ELEC	ELECTRICAL	REQ	REQUIRED
ELEV	ELEVATOR	RM	ROOM
EM	EMERGENCY	RRD	ROOF GALVANIZED STEEL CONDUIT
EMT	ELECTRICAL METALLIC TUBING	RRR	EXISTING SHALL BE REMOVED
ENCL	ENCLOSURE	SAP	AND RETURN TO OWNER
EQ	EQUIPMENT	SPK	SPRINKLER ALARM PANEL
(ER)	EXISTING SHALL BE REMOVED	SGH	SCHEDULE
(ERR)	EXISTING SHALL BE REMOVED & RELOCATED	SE	SERVICE ENTRANCE
ERC	ELECTRIC REHEAT COIL	SEC	SECONDARY
ERC	ELECTRIC WATER COOLER	SECT	SECTION
EXIST	EXISTING	SN	SOLID NEUTRAL
EXT	EXTERIOR	SPC	SPECIFICATION
FA	FIRE ALARM	SPK	SPEAKER
FA	FIRE ALARM ANNUNCIATOR PANEL	SPR	SPRINKLER
FACP	FIRE ALARM CONTROL PANEL	SPR	SPRINKLER PROTECTION DEVICE
FBO	FURNISHED BY OTHERS	SW	SWITCH
FCU	FAN COIL UNIT	SWBD	SWITCHBOARD
FDR	FEEDER	SW	SWITCH
FDS	FUSED DISCONNECT SWITCH	SWB	SWITCHBOARD
FMT	FLOOR	SYS	SYSTEMS
FL	FLOOR	SUBS	SUBSTATION
FLA	FULL LOAD AMPERES	SWG	SWITCHGEAR
FLX	FLEXIBLE	TBD	TO BE DETERMINED
FLUOR	FLUORESCENT	TEL	TELEPHONE
FP	FIRE PROTECTION	TEMP	TEMPERATURE
FRZ	FREEZER	TEMP	TEMPERATURE
FT	FEET OR FOOT	TERM	THERMOSTAT
G	GROUND	TP	TAMPER PROOF
GC	GENERAL CONTRACTOR	TS	TELEVISION
GEN	GENERATOR	TV	TELEVISION
GFI	GROUND FAULT INTERRUPTER	TYP	TYPICAL
HID	HIGH INTENSITY DISCHARGE	UH	UNIT HEATER
HP	HORSE POWER	UG	UNDERGROUND
HPCS	HIGH PRESSURE CONTACT SWITCH	UN	UNLESS OTHERWISE NOTED
HT	HEIGHT	V	VOLT OR VOLTAGE
HV	HIGH VOLTAGE	VA	VOLT AMPERE
HZ	HERTZ	VFD	VARIABLE FREQUENCY DRIVE
HD	HEAD	VM	VOLTIMETER
IC	INSULATED GROUND	W/PP	WATERPROOF
INC	INCANDESCENT	W	WATT
INCL	INCLUDED	WP	WEATHERPROOF
INST	INSTRUMENT	WT	WATER TIGHT
IPC	ISOLATED POWER CENTER	XMR	TRANSFORMER
IPX	ISOLATED POWER CENTER—X-RAY	XP	EXPLOSION PROOF

GENERAL FIRESTOPPING NOTE

CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING OR EXCEEDING WALL/CEILING/FLOOR FIRE ASSEMBLY RATINGS FOR ALL PENETRATIONS. CONTRACTOR SHALL VERIFY LOCATION AND RATING OF ALL FIRE ASSEMBLIES AND PROVIDE INTUMESCENT COLLARS AT ALL PENETRATIONS AND/OR FIRE RATED CAULKING AS REQUIRED.

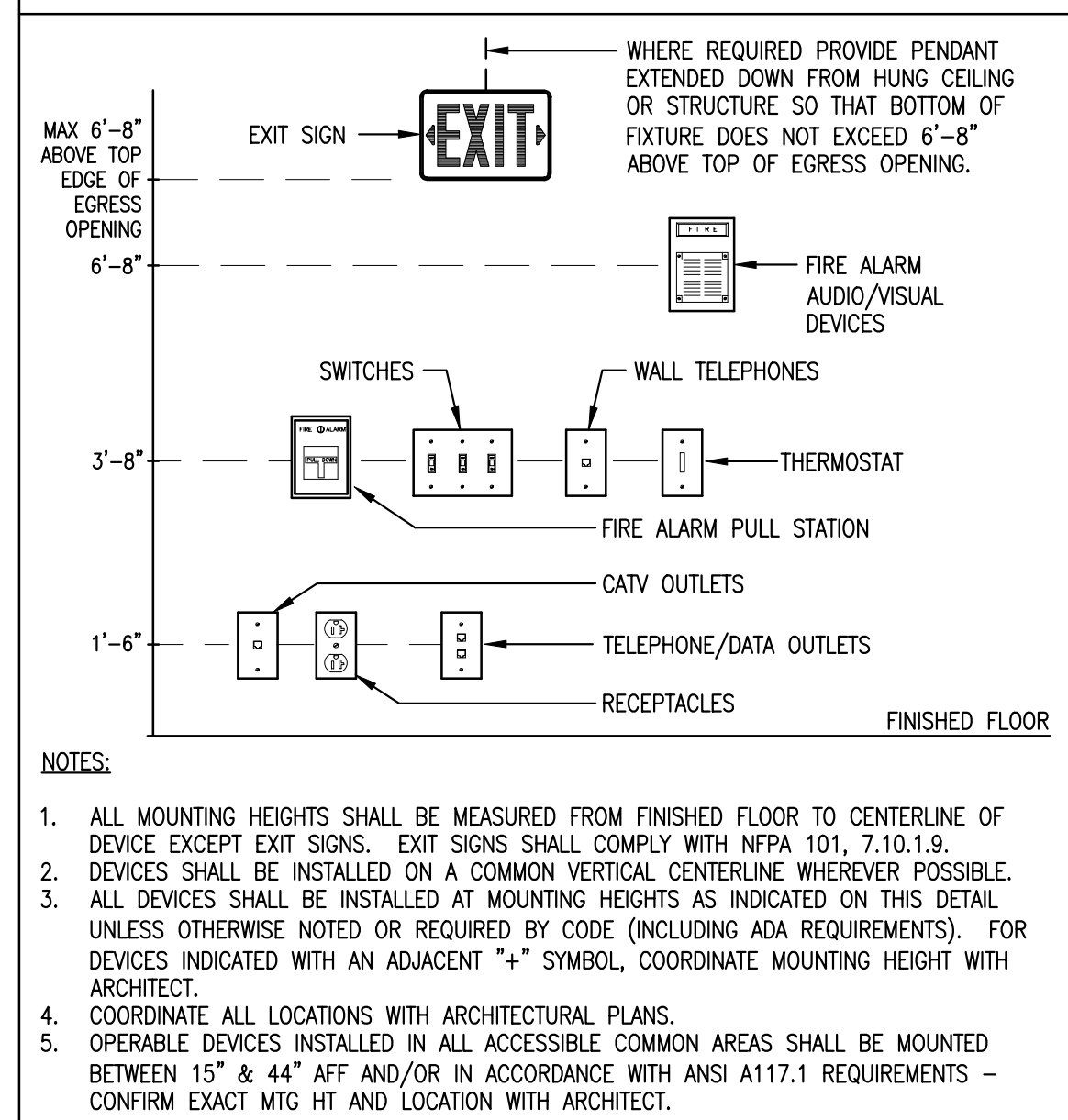
COMMISSIONING REQUIREMENTS

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING COMMISSIONING SERVICE, FROM A CERTIFIED COMMISSIONING AUTHORITY (CMA), FOR ALL LIGHTING CONTROLS.
- CMA AND CONTRACTOR SHALL PERFORM AND REVIEW ALL TESTING AND PROVIDE REPORTS AS REQUIRED.
- ALL COMMISSIONING AND REPORTING SHALL BE PERFORMED IN ACCORDANCE WITH ASHRAE GUIDELINE 90.1-2019 AND IECC-2021.

GENERAL ELECTRICAL NOTES:

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS AND FIELD DIMENSIONS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE REQUIREMENTS.
- PERFORM ALL WORK IN STRICT ACCORDANCE WITH NATIONAL ELECTRICAL CODE (N.E.C.-2020) AS ADOPTED BY THE STATE OF NEW JERSEY, OSHA REQUIREMENTS, ALL FEDERAL, STATE, AND LOCAL CODES AND ALL OWNER REQUIREMENTS.
- WHERE THERE IS A DISCREPANCY BETWEEN MATERIAL OR EQUIPMENT IN THE DRAWINGS AND/OR SPECIFICATIONS, THE CONTRACTOR SHALL ASSUME THE MORE STRINGENT, HIGHER QUALITY AND MORE EXPENSIVE OPTION FOR BIDDING.
- INCLUDE ALL TEMPORARY POWER AND LIGHTING, PERMIT, LICENSE, AND INSPECTION COSTS IN BID.
- CONTRACTOR SHALL ISSUE IN WRITING TO ARCHITECT/ENGINEER ANY SCOPE OF WORK DISCREPANCIES AND/OR QUESTIONS PRIOR TO SUBMISSION OF BID.
- CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND SPECIFICATIONS AND VISIT THE SITE TO BECOME ACQUAINTED WITH THE CONSTRUCTION SITE AND THE EXTENT OF THE WORK PRIOR TO SUBMISSION OF BID.
- COORDINATE ALL REQUIRED SHUTDOWNS WITH THE OWNER (AND UTILITY COMPANY WHERE APPLICABLE) A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE. INCLUDE OVERTIME COSTS IN BID TO PERFORM ALL SHUTDOWNS (INCLUDING SHUTDOWNS FOR AREAS WHICH MAY BE UNOCCUPIED DURING CONSTRUCTION) AFTER NORMAL WORKING HOURS AS COORDINATED WITH THE OWNER. NO EXTRA CLAIMS OR COMPENSATION SHALL BE GRANTED FOR OVERTIME COSTS ASSOCIATED WITH PERFORMING SHUTDOWNS.
- SECURE ALL SUPPORTS TO BUILDING STRUCTURE BY STEEL FOR VERTICAL SUPPORT AND BY MEANS OF TIGER BOLTS ON HOLLOW MASONRY UNITS, EXPANSION SHIELDS IN CONCRETE OR BRICK. MACHINE SCREWS ON METAL SURFACE, AND WOOD SCREWS ON WOOD CONSTRUCTION. WALLS, RAWL OR WOOD BOLTS NOT PERMITTED. SUPPORT HORIZONTAL RUNS OR METALLIC CONDUITS NOT MORE THAN 10 FT. APART. SUPPORT RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
- PASS RACEWAYS OVER WATER, STEAM, OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY WITHIN 3 IN. OF STEAM OR HOT WATER PIPES, OR APPLIANCES, EXCEPT CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 1 IN. FROM PIPE COVER.
- FURNISH FISH WIRE IN EACH RACEWAY RUN OVER 10 FT IN WHICH WIRING IS NOT INSTALLED.
- CUT STEEL CONDUIT ENDS SQUARE, REAM SMOOTH, PAINT MALE THREADS OF FIELD THREADED CONDUIT WITH GRAPHITE BASE. DO NOT TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATION.
- ROUTE ALL CONDUITS AND CABLES PARALLEL OR PERPENDICULAR TO BUILDING LINES WHERE POSSIBLE.
- CONNECT CONDUIT TO MOTOR CONDUIT TERMINAL BOXES WITH FLEXIBLE CONDUIT (MINIMUM 18 IN. LENGTH AND 50% SLACK). DO NOT TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATION.
- PROVIDE SEPARATE RACEWAYS FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS. COMMON BOXES: PROVIDE BARRIERS BETWEEN EMERGENCY AND NORMAL WIRING.
- LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS.
- WIRE COLOR CODING: PER CODE. WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION FOR OVERLAP COLOR TAPING OF CONDUCTORS' (MINIMUM LENGTH 6" IN ACCESSIBLE LOCATIONS. COLOR CODING, ONCE SELECTED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT.
- PULL NO THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32°F (0°C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED BY CODE.
- SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.
- VERIFY EXACT LOCATIONS AND MOUNTING HEIGHT OF ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES, OUTLETS, FIRE ALARM DEVICES, VOICE/DATA DEVICES AND OTHER EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND IN THE FIELD PRIOR TO ROUGH-IN. IN CENTERING OUTLETS AND LOCATION BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILING AND THE LIKE, AND CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.
- A "*" SYMBOL NEXT TO A DEVICE INDICATES A NON-STANDARD DEVICE MOUNTING HEIGHT — CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHT PRIOR TO ROUGH-IN.
- LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS. COORDINATE WITH ARCHITECT AND INSTALL SWITCH ON SIDE OPPOSITE HINGE. VERIFY FINAL HINGE LOCATIONS IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.
- PROVIDE PULL BOXES AS INDICATED AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATIONS WITH OTHER TRADES.
- FOR EMPTY RACEWAY RUNS, PROVIDE PULL BOXES EVERY 100FT AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.
- JUNCTION AND PULL BOXES: LOCATE GENERALLY NOT EXPOSED IN FINISHED SPACES. WHERE NECESSARY, REROUTE CONDUITS OR MAKE OTHER ARRANGEMENTS FOR CONSPICUOUS COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE.
- SUPPORT JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON CONDUITS.
- ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
- FIRESTOPPING SHALL BE INSTALLED WHENEVER WIRING OR RACEWAYS CROSS FIRE RATED CONSTRUCTION.
- THE FINAL ACCEPTANCE WILL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, BALANCES THE VARIOUS SYSTEMS, DEMONSTRATED THAT IT FULFILLS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND HAS FURNISHED ALL THE REQUIRED CERTIFICATES OF INSPECTION, SHOP AND RECORD DRAWINGS AND APPROVALS.
- DEMONSTRATE PERFORMANCE AND CAPACITY OF ALL SYSTEMS AND EQUIPMENT.
- AT COMPLETION OF PROJECT, PROVIDE NEW UPDATED TYPE WRITTEN PANELBOARD DIRECTORIES FOR ALL NEW PANELBOARDS AND ANY EXISTING PANELBOARDS THAT HAVE BEEN MODIFIED.
- INSTALL REPRODUCIBLE "AS BUILT" DRAWINGS INDICATING AS-INSTALLED CONDITIONS AFTER COMPLETION OF THE INSTALLATION.
- THE CONTRACTOR SHALL GUARANTEE AND SERVICE THE ENTIRE INSTALLATION FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE FINAL ACCEPTANCE OF THE INSTALLATION.
- THE CONTRACTOR SHALL, DURING THE PERIOD OF THE GUARANTEE, REPLACE OR REPAIR AT HIS OWN EXPENSE ANY PIECE OF EQUIPMENT AND/OR MATERIAL WHICH IS FOUND TO BE DEFECTIVE. THE REPLACEMENT OR REPAIR SHALL BE DONE AS SOON AS NOTIFIED BY THE ENGINEER OR AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL ALSO REPAIR ALL DAMAGE TO SURROUNDING WORK CAUSED BY THE FAILURE, REPAIR OR REPLACEMENT OF DEFECTIVE EQUIPMENT.
- THE CONTRACTOR SHALL COORDINATE LOCATION(S) OF ALL PLENUM RATED SPACE(S) WITH THE MC. EC SHALL PROVIDE METAL CONDUIT OR MC CABLE WITHIN PLENUM RATED SPACE(S).
- THESE DRAWINGS HAVE BEEN DESIGNED AND ENGINEERED BASED ON VISUAL INSPECTIONS OF THE EXISTING BUILDING AND INFRASTRUCTURE PRIOR TO ANY DEMOLITION. SOME ASSUMPTIONS HAVE BEEN MADE AS TO ACTUAL CONSTRUCTION, MATERIALS, AND METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL ACTUAL FIELD CONDITIONS AND SHALL NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES, CONFLICTS, AND UNFORESEEN CONDITIONS.

TYPICAL DEVICE MOUNTING HEIGHTS DETAIL



- NOTES:
- ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE EXCEPT EXIT SIGNS. EXIT SIGNS SHALL COMPLY WITH NFPA 101, 7.10.1.9.
 - DEVICES SHALL BE INSTALLED ON A COMMON VERTICAL CENTERLINE WHEREVER POSSIBLE.
 - ALL DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED ON THIS DETAIL UNLESS OTHERWISE NOTED OR REQUIRED BY CODE (INCLUDING ADA REQUIREMENTS). FOR DEVICES INDICATED WITH AN ADJACENT "*" SYMBOL, COORDINATE MOUNTING HEIGHT WITH ARCHITECT.
 - COORDINATE ALL LOCATIONS WITH ARCHITECTURAL PLANS.
 - OPERABLE DEVICES INSTALLED IN ALL ACCESSIBLE COMMON AREAS SHALL BE MOUNTED BETWEEN 15" & 44" AFF AND/OR IN ACCORDANCE WITH ANSI A117.1 REQUIREMENTS — CONFIRM EXACT MTC HT AND LOCATION WITH ARCHITECT.

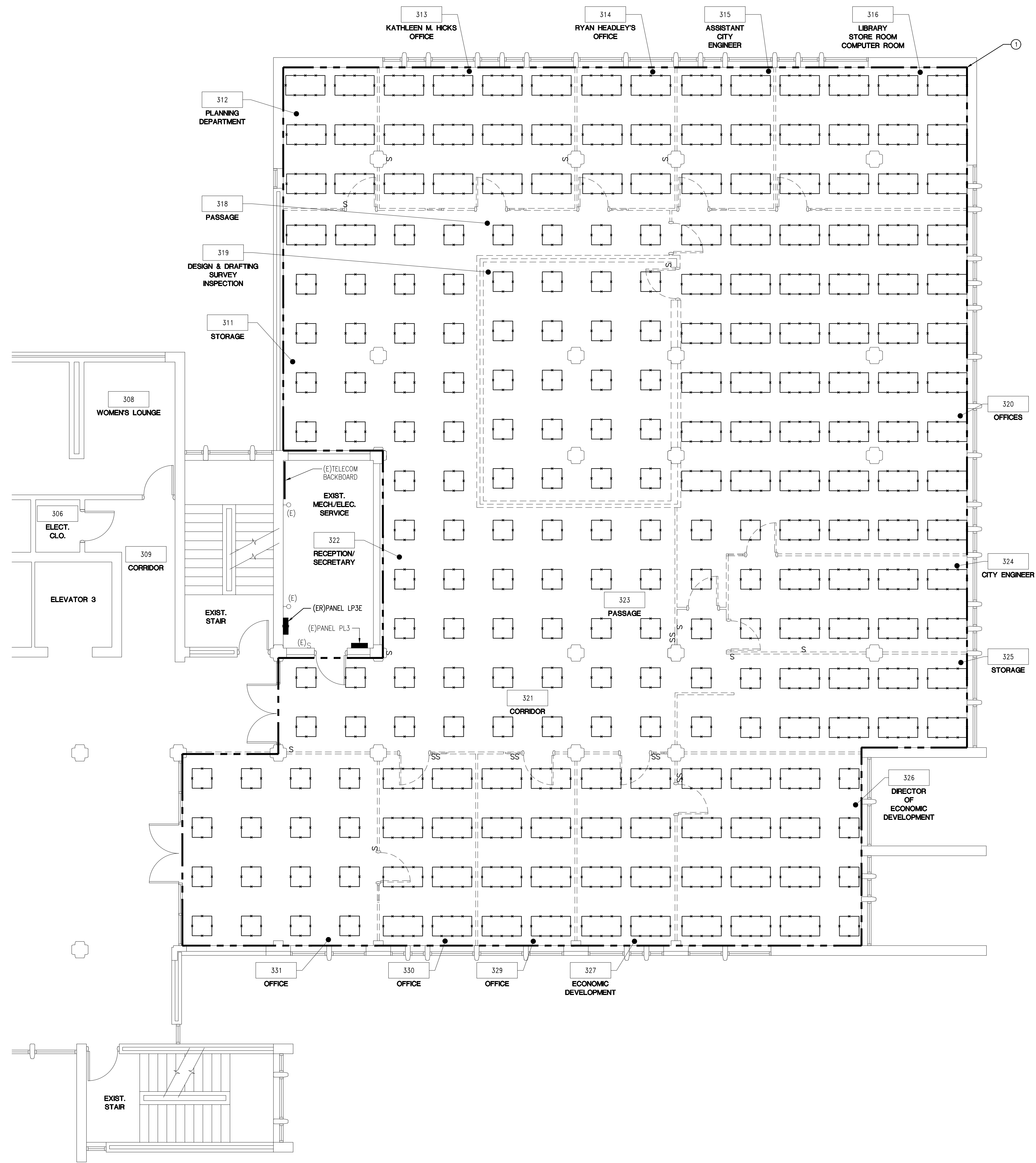
ISSUED FOR BID, NOT FOR CONSTRUCTION 01/23/2024

Revisions		
No.	Date	Description

MOORE

CONSULTING ENGINEERS, LLC
457 Oakridge Road, Spotswood, NJ 08888
Tel: (609) 288-0000 Fax: (609) 288-0050
JEFFREY A. MOORE, PE
PROFESSIONAL ENGINEER
N.J. LIC. NO. 24605491000
N.J. AUTH. NO. 24A262120100
MCE PROJECT #23146

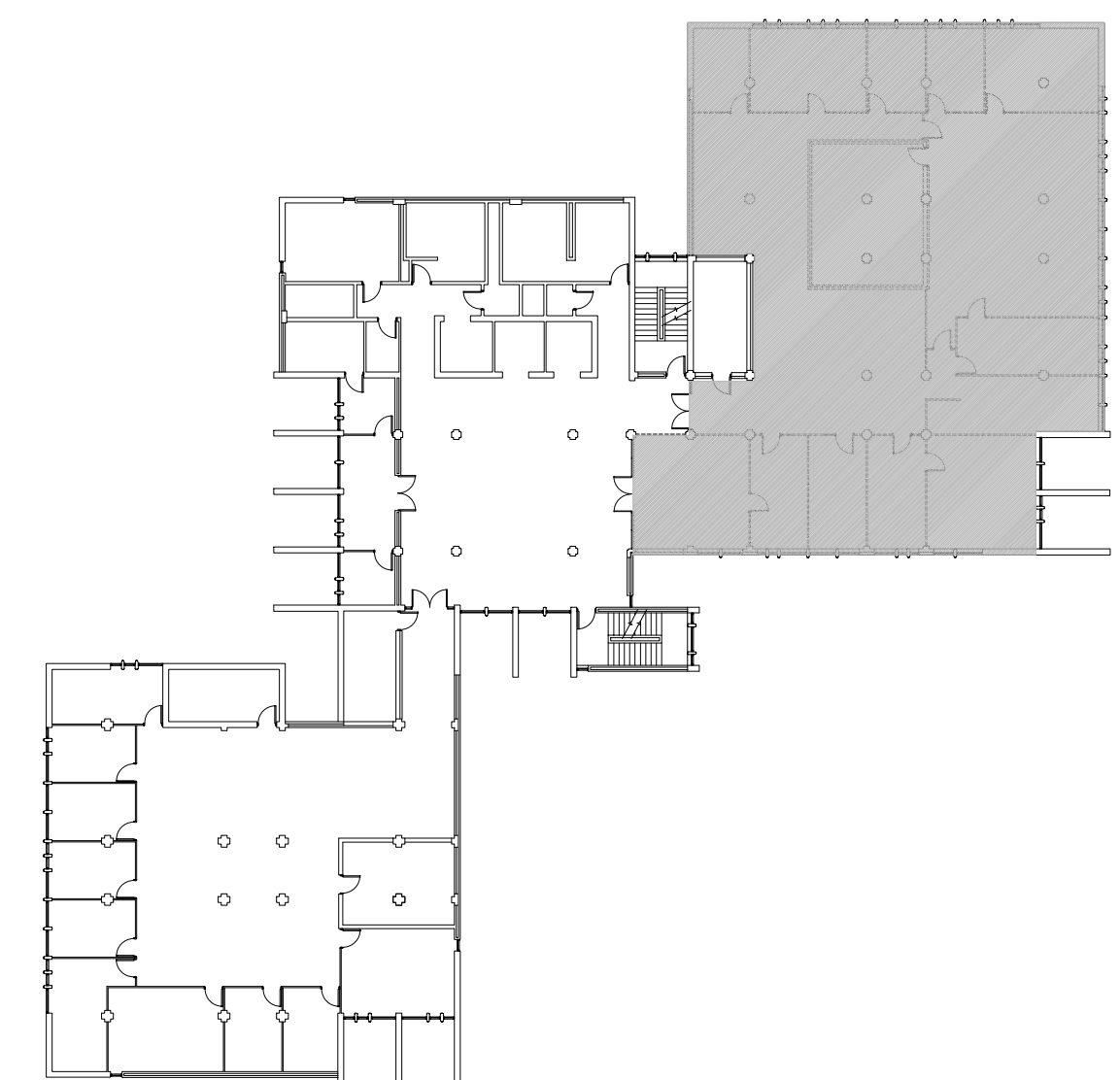
ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI



01 ELECTRICAL FOURTH FLOOR PLANS DEMOLITION - LIGHTING
SCALE: 3/16" = 1'-0"

- DEMOLITION NOTES:
- THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH REMOVAL OF ELECTRICAL WORK AS DESCRIBED IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN ISSUES WHEN CONCEALED WORK HAS BEEN EXPOSED. NO ADDITIONAL CLAIMS FOR WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, UNLESS, IN CERTAIN CASES, CONSIDERED JUSTIFIABLE BY THE ARCHITECT.
 - THE CONTRACTOR SHALL PERFORM REMOVAL AND DEMOLITION WORK WITH MINIMAL INTERFERENCE WITH EXISTING ELECTRICAL SYSTEMS. ALL AFFECTED ELECTRICAL SYSTEMS SHALL BE RESTORED AND RECONNECTED.
 - DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR, PAINT OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
 - THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL OUTLETS, SWITCHES, ETC., INCLUDING ASSOCIATED WIRING, CONDUITS, ETC., FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING WIRING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL JUNCTION BOXES AND OTHER DEVICES AND PROVIDE BYPASS CONNECTIONS NECESSARY TO MAKE CIRCUITS AFFECTED CONTINUOUS AND READY FOR OPERATION. OTHERWISE, WIRING SHALL BE REMOVED BACK TO THE NEAREST ELECTRICAL JUNCTION BOX THAT IS TO REMAIN OR TO PANELBOARD.
 - THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK WHICH INTERFERES WITH THE NEW ELECTRICAL AND ARCHITECTURAL LAYOUTS IN FULL COORDINATION WITH THE ARCHITECT'S DEMOLITION PLANS. ALL SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE DE-ENERGIZED AND DISCONNECTED AT THE POWER SUPPLY SOURCE.
 - EXISTING PANELBOARD DIRECTORIES AFFECTED BY THE ALTERATION WORK SHALL BE CHANGED TO REFLECT THE BRANCH CIRCUIT WIRING MODIFICATIONS.
 - ALL UNUSED OUTLET BOXES OR CAPPED FLOOR OUTLETS SHALL BE PROVIDED WITH MATCHING BLANK COVERS.
 - ALL RACEWAYS WHICH ARE EXPOSED AS A RESULT OF NEW WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
 - PORTIONS OF FEEDER RUNS THAT SHALL BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ENERGIZED, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED. NEW FEEDER EXTENSIONS SHALL MATCH EXISTING FEEDER EXTENSIONS IN ALL ASPECTS INCLUDING BUT NOT LIMITED TO CABLE TYPE, CONDUIT SIZES, CONDUCTOR AMPACITY, ETC.
 - FOR ALL EXISTING LIGHT FIXTURES TO REMAIN ("E") OR TO BE RELOCATED ("RE"), THE CONTRACTOR SHALL CLEAN ALL LENSES, REFLECTORS, TRIMS, ETC. AND REPLACE ALL LAMPS, DRIVERS AND BALLASTS AS REQUIRED. COORDINATE LAMP COLOR TEMPERATURES WITH OWNER AND ALL NEW LAMPING AND FIXTURES.
 - AS DIRECTED BY THE OWNER, ALL EXISTING EQUIPMENT AND MATERIAL IN USABLE CONDITION THAT IS REMOVED UNDER THIS CONTRACT SHALL REMAIN THE PROPERTY OF THE OWNER OR BE DISPOSED BY THE ELECTRICAL CONTRACTOR.
 - THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS. THE CONTRACTOR SHALL FOLLOW CLOSELY THE ARCHITECT'S DEMOLITION AND PHASING SCHEDULE AND PROCEED IN THE SPECIFIED SEQUENCE.
 - THE SHUTDOWN OF EXISTING BUILDING ELECTRICAL SERVICES SHALL BE COORDINATED WITH THE OWNER. MAKE APPROPRIATE ARRANGEMENTS AT LEAST 14 DAYS PRIOR TO A SHUTDOWN.

- KEY NOTES:
- DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES, LIGHTING CONTROL DEVICES, AND ASSOCIATED WIRING BACK TO SOURCE UNLESS OTHERWISE NOTED.



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

Revisions		
No.	Date	Description

ISSUED FOR BID, NOT FOR CONSTRUCTION 01/23/2024

MOORE
CONSULTING ENGINEERS, LLC
457 Oakshade Road Shamong, NJ 08088
Tel: (609) 268-5000 Fax: (609) 268-5050
JEFFREY A. MOORE, PE
PROFESSIONAL ENGINEER
NJ LIC. NO. 24GE0451000
NJ AUTH. NO. 24GA06120100
MCE PROJECT #23146

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL. MMPF RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MMPF VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC

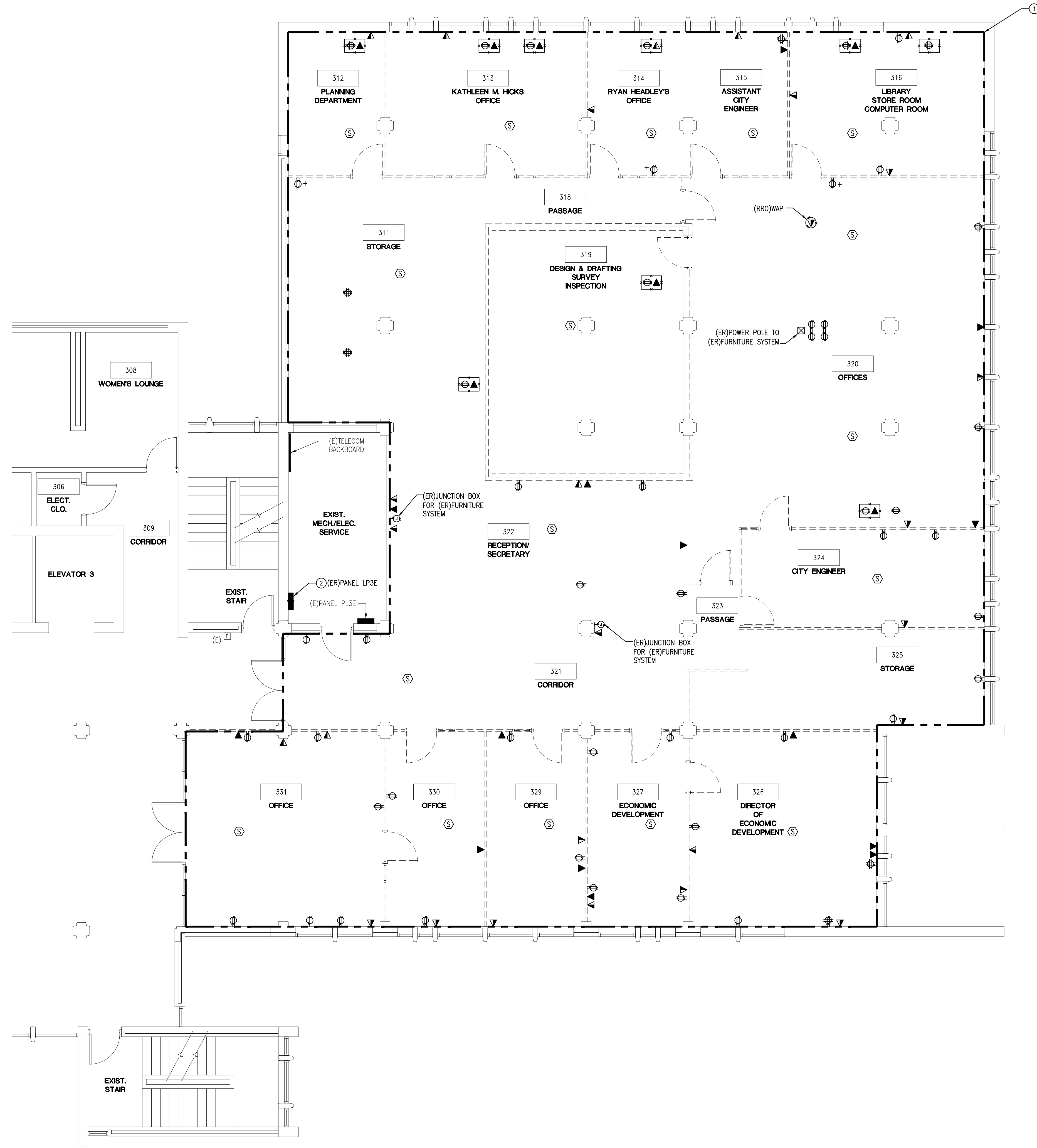
mmpf
architects

Manders Merighi Portadin Farrell Architects, LLC
1136 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856.696.9155 | f. 856.696.9080 | www.mmpfa.com

David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-19008
Peter W. Farrell AIA AI-19018

Project
**VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATION**
640 E. WOOD ST.
VINELAND, NJ 08360

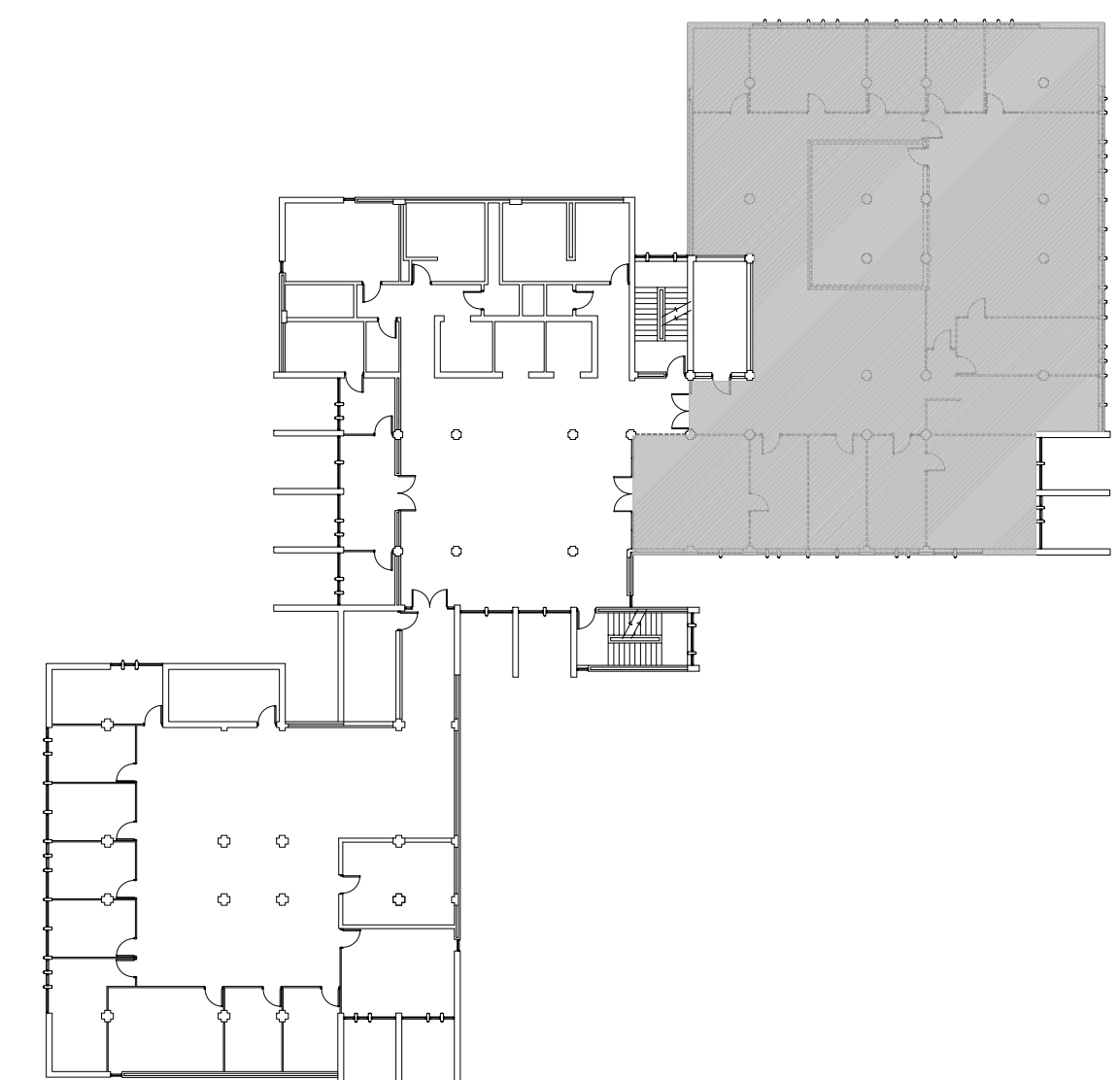
Drawing ELECTRICAL FOURTH FLOOR PLANS DEMOLITION - LIGHTING			 E1.0 2 of 8
Scale AS NOTED	Job 22.099	Sheet	
Drawn MM	Date 01/23/24	Sheet 2 of 8	



01 ELECTRICAL FOURTH FLOOR PLANS DEMOLITION - POWER
SCALE: 3/16" = 1'-0"

- DEMOLITION NOTES:
1. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH REMOVAL OF ELECTRICAL WORK AS DESCRIBED IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN ISSUES WHEN CONCEALED WORK HAS BEEN EXPOSED. NO ADDITIONAL CLAIMS FOR WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, UNLESS, IN CERTAIN CASES, CONSIDERED JUSTIFIABLE BY THE ARCHITECT.
 2. THE CONTRACTOR SHALL PERFORM REMOVAL AND DEMOLITION WORK WITH MINIMAL INTERFERENCE WITH EXISTING ELECTRICAL SYSTEMS. ALL AFFECTED ELECTRICAL SYSTEMS SHALL BE RESTORED AND RECONNECTED.
 3. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR, PAINT OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
 4. THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL OUTLETS, SWITCHES, ETC., INCLUDING ASSOCIATED WIRING, CONDUITS, ETC., FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING WIRING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL JUNCTION BOXES AND OTHER DEVICES AND PROVIDE BYPASS CONNECTIONS NECESSARY TO MAKE CIRCUITS AFFECTED CONTINUOUS AND READY FOR OPERATION. OTHERWISE, WIRING SHALL BE REMOVED BACK TO THE NEAREST ELECTRICAL JUNCTION BOX THAT IS TO REMAIN OR TO PANELBOARD.
 5. THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK WHICH INTERFERES WITH THE NEW ELECTRICAL AND ARCHITECTURAL LAYOUTS IN FULL COORDINATION WITH THE ARCHITECT'S DEMOLITION PLANS. ALL SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE DE-ENERGIZED AND DISCONNECTED AT THE POWER SUPPLY SOURCE.
 6. EXISTING PANELBOARD DIRECTORIES AFFECTED BY THE ALTERATION WORK SHALL BE CHANGED TO REFLECT THE BRANCH CIRCUIT WIRING MODIFICATIONS.
 7. ALL UNUSED OUTLET BOXES OR CAPPED FLOOR OUTLETS SHALL BE PROVIDED WITH MATCHING BLANK COVERS.
 8. ALL RACEWAYS WHICH ARE EXPOSED AS A RESULT OF NEW WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
 9. PORTIONS OF FEEDER RUNS THAT SHALL BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ENERGIZED, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED. NEW FEEDER EXTENSIONS SHALL MATCH EXISTING FEEDER EXTENSIONS IN ALL ASPECTS INCLUDING BUT NOT LIMITED TO CABLE TYPE, CONDUIT SIZES, CONDUCTOR AMPACITY, ETC.
 10. FOR ALL EXISTING LIGHT FIXTURES TO REMAIN ("E") OR TO BE RELOCATED ("RE"), THE CONTRACTOR SHALL CLEAN ALL LENSES, REFLECTORS, TRIMS, ETC. AND REPLACE ALL LAMPS, DRIVERS AND BALLASTS AS REQUIRED. COORDINATE LAMP COLOR TEMPERATURES WITH OWNER AND ALL NEW LAMPING AND FIXTURES.
 11. AS DIRECTED BY THE OWNER, ALL EXISTING EQUIPMENT AND MATERIAL IN USABLE CONDITION THAT IS REMOVED UNDER THIS CONTRACT SHALL REMAIN THE PROPERTY OF THE OWNER OR BE DISPOSED BY THE ELECTRICAL CONTRACTOR.
 12. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS. THE CONTRACTOR SHALL FOLLOW CLOSELY THE ARCHITECT'S DEMOLITION AND PHASING SCHEDULE AND PROCEED IN THE SPECIFIED SEQUENCE.
 13. THE SHUTDOWN OF EXISTING BUILDING ELECTRICAL SERVICES SHALL BE COORDINATED WITH THE OWNER. MAKE APPROPRIATE ARRANGEMENTS AT LEAST 14 DAYS PRIOR TO A SHUTDOWN.

- KEY NOTES:
- 1 DISCONNECT AND REMOVE ALL (E) ELECTRICAL DEVICES AND ASSOCIATED BRANCH CIRCUIT WIRING, FURNITURE SYSTEMS, FIRE ALARM DEVICES, AND VOICE/DATA OUTLETS AND ASSOCIATED WIRING BACK TO SOURCE UNLESS OTHERWISE NOTED.
 - 2 ALL (E) CIRCUITS REMAINING FROM DEMOLITION OF EXISTING PANEL LP3E SHALL BE EXTENDED IN KIND TO (N)PANEL LP3E LOCATED IN SAME LOCATION. SEE PANEL SCHEDULE ON DWG 54.0 FOR ADDITIONAL INFORMATION. THE EXISTING PANEL FEEDER SHALL REMAIN FOR EXTENSION TO (N)PANEL LP3E



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

Revisions		
No.	Date	Description

ISSUED FOR BID, NOT FOR CONSTRUCTION 01/23/2024

MOORE
CONSULTING ENGINEERS, LLC
457 Oakshade Road | Shamong, NJ 08088
Tel: (609) 268-5000 | Fax: (609) 268-5000
JEFFREY A. MOORE, PE
PROFESSIONAL ENGINEER
NJ LIC. NO. 24GE0451000
NJ AUTH. NO. 24GA026120100
MCE PROJECT #23146

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL. MIMPF RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MIMPF VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC

mmpf
architects

Manders Merighi Portadin Farrell Architects, LLC
1138 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856 696 9155 | f. 856 696 9080 | www.mmpfa.com

David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-19008
Peter W. Farrell AIA AI-19018

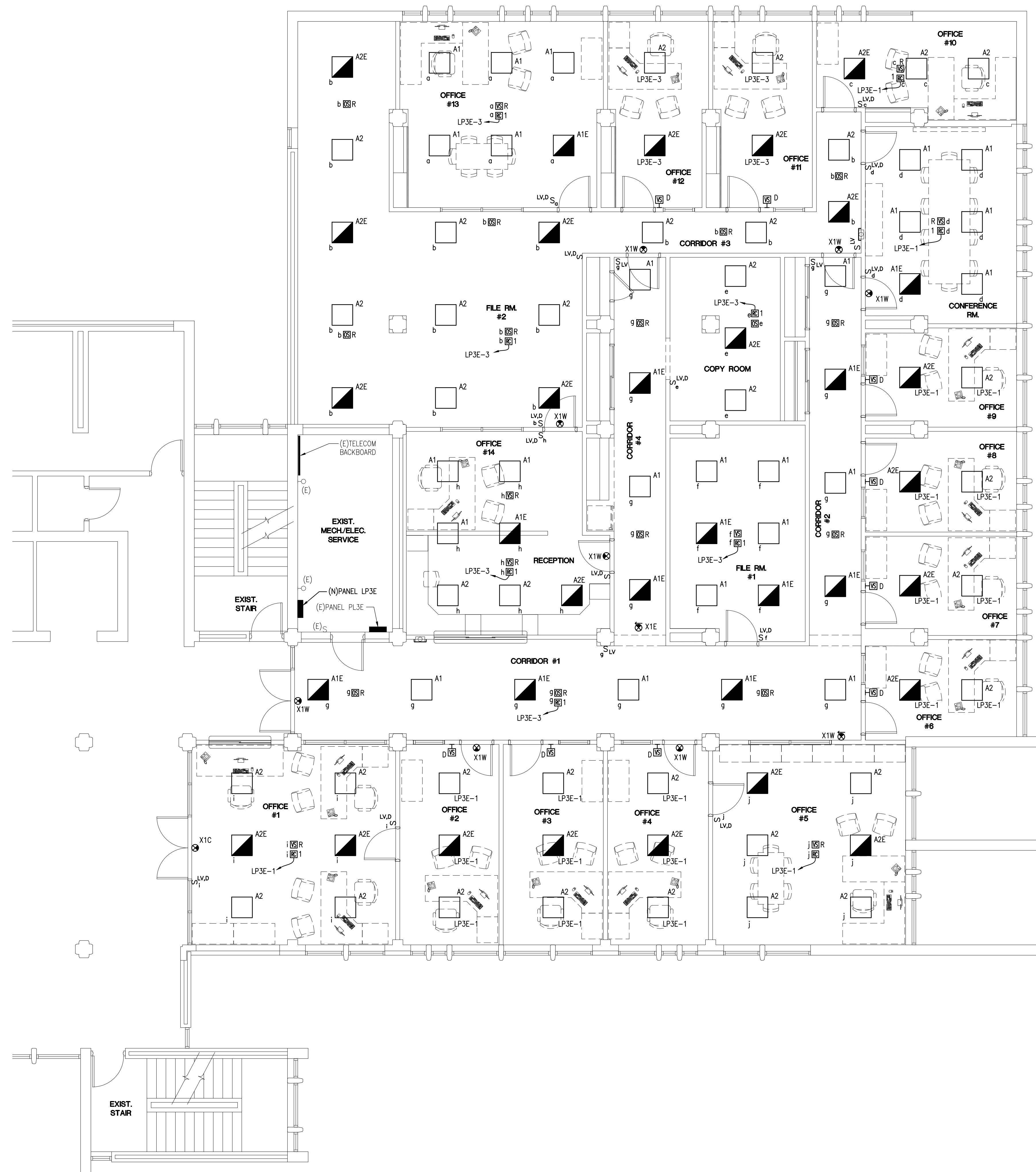
Project

**VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATION**
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing

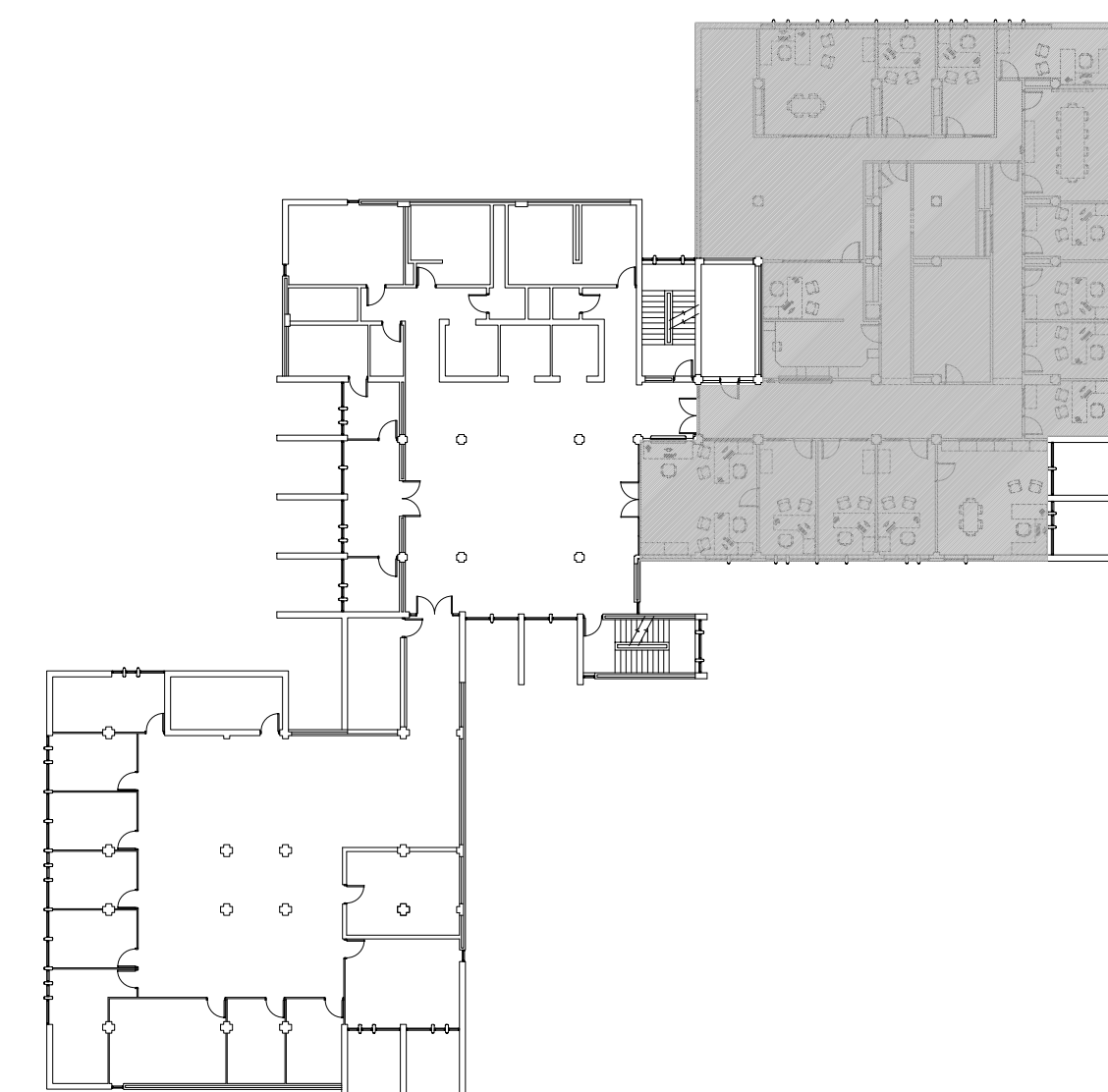
ELECTRICAL FOURTH FLOOR PLANS DEMOLITION - POWER

Scale	AS NOTED	Job	22.099	Sheet E.1.1 3 of 8
Drawn	PLQ	Date	01/23/24	



01 ELECTRICAL FOURTH FLOOR PLANS - LIGHTING
SCALE: 3/16" = 1'-0"

- DRAWING NOTES:**
- CONNECT ALL EXIT SIGNS, INVERTERS, EMERGENCY WALL PACKS, AND EMERGENCY BATTERY BACK-UPS TO LOCAL CONSTANT HOT FEED AHEAD OF ANY SWITCHING UON.
 - ALL LIGHT FIXTURES INDICATED AS EMERGENCY ARE NORMAL/EMERGENCY OPERATION VIA NORMAL POWER W/BATTERY OR INVERTER BACK UP.
 - REFER TO DWG E4.0 FOR THE LIGHT FIXTURE AND LIGHTING CONTROL DEVICE SCHEDULES.
 - CONFIRM ALL DEVICE AND EQUIPMENT LOCATIONS WITH THE ARCHITECT AND OWNER PRIOR TO ANY PURCHASE OR ROUGH-IN.
 - CONTRACTOR SHALL CLOSELY COORDINATE AND ADJUST ALL HVAC EQUIPMENT LOCATIONS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN SUCH THAT LIGHTING LAYOUT REMAINS AS INDICATED.
 - CONFIRM ALL POWER OVERCURRENT PROTECTION, WIRING AND DEVICE/DISCONNECT REQUIREMENTS FOR ALL EQUIPMENT PRIOR TO ROUGH-IN AND REPORT ANY DISCREPANCY WITH THE DESIGN TO THE ARCHITECT AND OWNER FOR RESOLUTION.
 - PRE-MANUFACTURED METAL-CLAD CABLE (MC) SHALL BE UTILIZED FOR ALL NORMAL BRANCH CIRCUITS IN DRY HOLLOW STUD WALL LOCATIONS, ABOVE ACCESSIBLE CEILING AND WHERE PERMITTED BY ARTICLE #330 OF THE NATIONAL ELECTRICAL CODE ONLY. MINIMUM CONDUCTOR SIZE SHALL BE NO. 12 AWG COPPER WITH INTEGRAL GREEN INSULATED CONTINUOUS GROUND CONDUCTOR AND BARE BONDING CONDUCTOR IN DIRECT CONTACT WITH OUTER METAL JACKET.
 - COORDINATE ROUTING OF ALL CONDUIT, CABLING, ETC. THROUGH CASEWORK W/CASEWORK INSTALLER PRIOR TO ANY PURCHASE OR ROUGH-IN.
 - EC SHALL FIRE CAULK ALL EXISTING AND NEW CONDUIT PENETRATIONS IN FIRE WALLS WITHIN CONTRACT AREA TO MAINTAIN FIRE WALL RATING.
 - LIGHTING CONTROLS SHALL BE TESTED BY THE EC IN ACCORDANCE WITH ASHRAE 90.1 SECTION 9.4.3
 - LIGHT FIXTURES SHALL BE FED THROUGH THEIR RESPECTIVE ROOM CONTROLLER INDICATED BY THEIR SWITCH-LEG. SEE ROOM CONTROLLER FOR BRANCH CIRCUIT DESIGNATOR.



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

Revisions		
No.	Date	Description

ISSUED FOR BID, NOT FOR CONSTRUCTION 01/23/2024

MOORE
CONSULTING ENGINEERS, LLC
457 Oakshade Road Shrewsbury, NJ 08088
Tel: (609) 268-0500 Fax: (609) 268-0500
JEFFREY A. MOORE, P.E.
PROFESSIONAL ENGINEER
NJ LIC. NO. 24GE0451000
NJ AUTH. NO. 24GA026120100
MCE PROJECT #23146

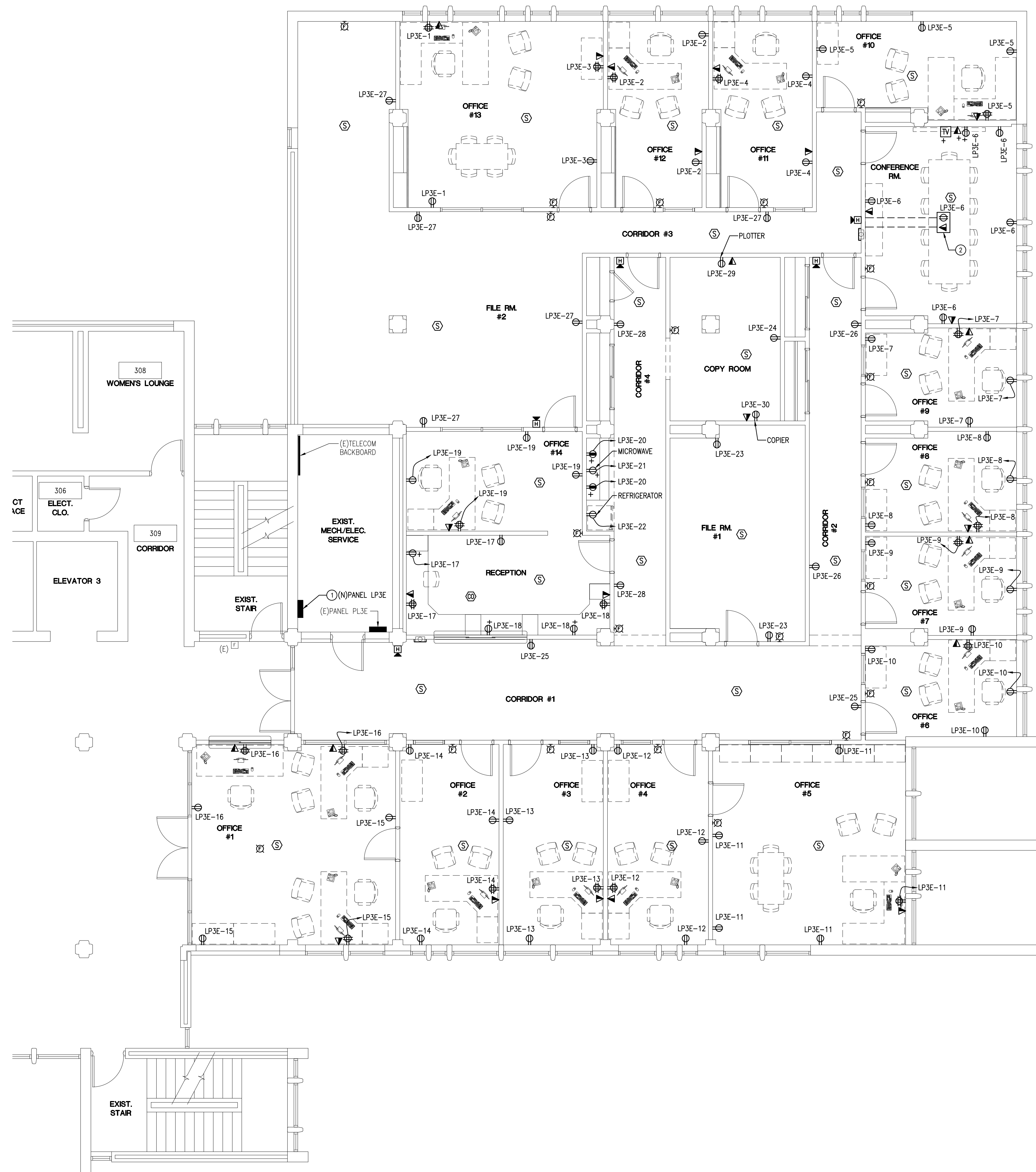
ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL. MIMPF RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MIMPF VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC



Manders Merighi Portadin Farrell Architects, LLC
1138 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856 696 9155 | f. 856 696 9080 | www.mmpfa.com
David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-19008
Peter W. Farrell AIA AI-19018

Project
**VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATION**
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing ELECTRICAL FOURTH FLOOR PLANS - LIGHTING		
Scale AS NOTED	Job 22.099	Sheet E2.0
Drawn MM	Date 01/23/24	4 of 8



- DRAWING NOTES:**
- A 24" MINIMUM SEPARATION SHALL BE MAINTAINED BETWEEN SINGLE AND TWO-GANG OUTLET AND SWITCH BOXES INSTALLED ON OPPOSITE SIDES OF ANY 2-HOUR (MAXIMUM) FIRE-RATED WALL/PARTITION. PROVIDE FIREPROOF PUTTY BACKS OR OTHER FIREPROOFING LISTED FOR THIS PURPOSE WHERE REQUIRED BY SECTION 714.4.2 OF THE INTERNATIONAL BUILDING CODE. DO NOT INSTALL PANELBOARD BACK BOXES IN FIRE RATED WALLS. ALL EQUIPMENT AND DEVICES ARE NEW UNLESS OTHERWISE NOTED.
 - CONFIRM ALL DEVICE AND EQUIPMENT LOCATIONS WITH THE ARCHITECT AND OWNER PRIOR TO ANY PURCHASE OR ROUGH-IN.
 - CONFIRM ALL POWER OVERCURRENT PROTECTION, WIRING AND DEVICE/DISCONNECT REQUIREMENTS FOR ALL EQUIPMENT PRIOR TO ROUGH-IN AND REPORT ANY DISCREPANCY WITH THE DESIGN TO THE ARCHITECT AND OWNER FOR RESOLUTION.
 - PROVIDE ALL DISCONNECT SWITCHES AS HEAVY-DUTY TYPE RATED WITH VOLTAGE AS REQUIRED AND AMPS, FUSING AND POLES AS INDICATED. DISCONNECT SWITCHES FOR INTERIOR EQUIPMENT SHALL BE NEMA 1 RATED UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FOR EXTERIOR EQUIPMENT SHALL BE WEATHERPROOF LOCKABLE HEAVY DUTY TYPE, NEMA 3R UNLESS OTHERWISE NOTED.
 - COORDINATE ALL MECHANICAL AND PLUMBING EQUIPMENT LOCATIONS AND CONNECTIONS PRIOR TO ANY PURCHASE OR ROUGH-IN.
 - CONTRACTOR SHALL CLOSELY COORDINATE AND ADJUST ALL HVAC EQUIPMENT LOCATIONS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN SUCH THAT LIGHTING LAYOUT REMAINS AS INDICATED.
 - PRE-MANUFACTURED METAL-CLAD CABLE (MC) SHALL BE UTILIZED FOR ALL NORMAL BRANCH CIRCUITS IN DRY HOLLOW STUD WALL LOCATIONS ABOVE ACCESSIBLE CEILINGS AND WHERE PERMITTED BY ARTICLE #330 OF THE NATIONAL ELECTRICAL CODE ONLY. MINIMUM CONDUCTOR SIZE SHALL BE NO. 12 AWG COPPER WITH INTEGRAL GREEN INSULATED CONTINUOUS GROUND CONDUCTOR AND BARE BONDING CONDUCTOR IN DIRECT CONTACT WITH OUTER METAL JACKET.
 - COORDINATE ROUTING OF ALL CONDUIT, CABLING, ETC. THROUGH CASEWORK W/CASEWORK INSTALLER PRIOR TO ANY PURCHASE OR ROUGH-IN.
 - THESE DRAWINGS HAVE BEEN MADE BASED ON A VISUAL INSPECTION OF THE EXISTING SURFACES. SOME ASSUMPTIONS HAVE BEEN MADE AS TO ACTUAL CONSTRUCTION, MATERIALS, AND METHODS. THE INSTALLER SHALL BE RESPONSIBLE FOR VERIFYING ALL ACTUAL FIELD CONDITIONS AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES, CONFLICTS, AND UNFORESEEN CONDITIONS.
 - EC SHALL FIRE CAULK ALL EXISTING AND NEW CONDUIT PENETRATIONS IN FIRE WALLS WITHIN CONTRACT AREA TO MAINTAIN FIRE WALL RATING.
 - COORDINATE FINAL LOCATIONS OF ALL TELECOM OUTLETS AND RECEPTACLES FOR DESKS WITH ARCHITECT, OWNER AND OWNERS FURNITURE PACKAGE PROVIDER PRIOR TO PURCHASE OR ROUGH-IN.
 - PROVIDE LOCKABLE IN-USE WEATHERPROOF (WIP) EXTRA DUTY COVER FOR ALL EXTERIOR RECEPTACLES.
 - ALL CONDUITS TRAVELING FROM OUTDOORS TO INDOORS AND FROM A WARM ENVIRONMENT TO COLD SHALL BE VAPOR SEALED TO PREVENT CONDENSATION BUILDUP. THE SEAL SHALL BE A CONDUIT BODY OR JUNCTION BOX LOCATED ON THE HIGH TEMPERATURE SIDE OF THE TRANSITION SEALED WITH ELECTRICAL DUCT SEAL OR A NON-LATEX, CLOSED CELL, EXPANDING FOAM SEALANT LISTED FOR THE PURPOSE, INSTALLED IN THE CONDUIT ENTERING THE COLDER SPACE.
 - ALL WORK PROVIDED ON EXISTING FIRE ALARM SYSTEM SHALL BE PROVIDED BY OWNERS SERVICE COMPANY TO ENSURE PROPER OPERATION OF SYSTEM WHILE NOT VOIDING ANY EXISTING WARRANTY OR MAINTENANCE CONTRACTS. PROVIDE NEW FIRE ALARM DEVICES, WIRING AND APPURTENANCES AS INDICATED AND REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. NEW FIRE ALARM DEVICES SHALL BE FULLY COMPATIBLE WITH AND LISTED FOR OPERATION WITH THE EXISTING FIRE ALARM SYSTEM. ALL CABLING AND SPLICES SHALL BE IN ACCORDANCE WITH NEC 760 - COORDINATE ALL PLENUM SPACES WITH ARCHITECT & GC. TIE FIRE ALARM DEVICES INTO EXIST BUILDING FIRE ALARM SYSTEM AND PROVIDE ALL DOCUMENTATION/SHOP DRAWINGS, PROGRAMMING/TESTING AND ANY OTHER WORK/EQUIPMENT/INFORMATION IN ACCORDANCE WITH ALL APPLICABLE CODES AND TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.

- KEY NOTES:**
- CONNECT NEW PANEL TO (E)FEEDER REMAINING FROM DEMOLITION.
 - PROVIDE FLUSH FLOOR BOX W/DEVICE SHOWN (LEGEND OWN SERIES CAT#NATC). COORDINATE FINAL LOCATION AND COVER W/CC, ARCH, AND OWNER PRIOR TO ANY PURCHASE OR ROUGH-IN. PROVIDE 1-1/4" CONDUIT FOR DATA AND 3/4" CONDUIT FOR POWER WIRING. ROUTE CONDUITS BELOW SLAB AND UP WALL AS SHOWN TO ABOVE ACCESSIBLE CEILING. PROVIDE ALL FLOOR CUTTING AND PATCHING AS REQUIRED.

Revisions		
No.	Date	Description

ISSUED FOR BID, NOT FOR CONSTRUCTION 01/23/2024

MOORE
CONSULTING ENGINEERS, LLC
457 Oakshade Road Shrewsbury, NJ 08088
Tel: (609) 268-0500 Fax: (609) 268-0500
JEFFREY A. MOORE, P.E.
PROFESSIONAL ENGINEER
NJ LIC. NO. 24GE0451000
NJ AUTH. NO. 24GA02120100
MCE PROJECT #23146

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLP. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLP VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLP

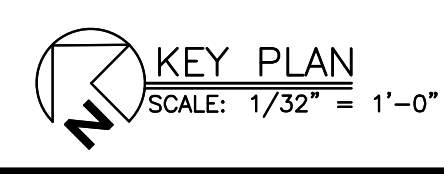


Manders Merighi Portadin Farrell Architects, LLC
1136 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856 696 9155 | f. 856 696 9080 www.mmpf.com
David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-19008
Peter W. Farrell AIA AI-19118

Project
VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATION
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing		
ELECTRICAL FOURTH FLOOR PLANS - POWER		
Scale	Job	Sheet
AS NOTED	22.099	E3.0
Drawn	Date	5 of 8
PLQ	01/23/24	

01 ELECTRICAL FOURTH FLOOR PLANS - POWER
SCALE: 3/16" = 1'-0"



ISSUED FOR BID, NOT FOR CONSTRUCTION 01/23/2024

CONTROLLERS TO MOTORS AND MOTOR CONNECTIONS. MOUNT AND WIRE ALL CONTACTORS AND POWER DEVICES FURNISHED UNDER ALL CONTRACTS.

15. CONTROL WIRING

A. PROVIDE ALL CONTROL WIRING FOR MOTORS AND EQUIPMENT FURNISHED UNDER ALL CONTRACTS AND AS SPECIFICALLY SHOWN ON THE DRAWINGS, EXCEPT AS NOTED FOR MECHANICAL/PLUMBING EQUIPMENT. INCLUDE MOUNTING AND WIRING OF ALL CONTROL DEVICES FURNISHED WITH EQUIPMENT.

B. CONTROL WIRING LESS THAN 120 VOLTS FOR MOTORS, ALARMS FOR EQUIPMENT FURNISHED UNDER MECHANICAL/PLUMBING WILL BE PROVIDED UNDER DIVISION 15 CONTRACT.

16. DEVICES

A. LOCAL SWITCHES

1) CONVENTIONAL QUITE TOGGLE TYPE, RATED AT 20 AMP, 120/277 VOLT AC SIMILAR TO LEVITON #1221-2, 1223-2, 1224-2 OR EQUAL BY HUBBELL OR PASS & SEYMOUR. THE OWNER OR ARCHITECT SHALL SELECT TOGGLE COLOR.

2) PILOT LIGHT TOGGLE TYPE WITH NEON LAMP, RATED AT 20 AMP, 120/277 VOLT AC SIMILAR TO LEVITON #1221-PLC OR EQUAL BY HUBBELL OR PASS & SEYMOUR.

B. MANUAL MOTOR STARTERS

1) FLUSH OR SURFACE MOUNTED TYPE WITH INTEGRAL THERMAL OVERLOAD PROTECTION AND PILOT LIGHT. SIMILAR TO SQUARE D CLASS 2510 AND 2512 TYPE F.

C. MOTOR-RATED SWITCHES

1) FLUSH OR SURFACE MOUNTED TYPE WITH PILOT LIGHT. SIMILAR TO SQUARE D CLASS 2510, 2511 AND 2512 TYPE F.

D. INSERTION RECEPTACLES

1) CONVENTIONAL SPECIFICATION GRADE DUPLEX CONVENIENCE 125 VOLT, 2 POLE, 3 WIRE, 20 AMP WITH U GROUND SLOT GROUNDED, EXCEPT AS NOTED. DEVICE SHALL MEET OR EXCEED:

a. UL 498

b. UL HOSPITAL GRADE

c. UL FEDERAL SPECIFICATION WC-596 LISTING.

d. NEMA WD-1 AND WD-6

e. DEVICE SHALL BE SIMILAR TO HUBBELL HBL5362 OR EQUAL BY LEVITON, PASS & SEYMOUR OR GE. OWNER OR ARCHITECT SHALL SELECT FACE COLOR. DEVICES USED ON EMERGENCY BRANCH CIRCUITS SHALL BE RED FACE ONLY.

2) GROUND FAULT CIRCUIT INTERRUPTER WITH SELF-PROTECTION AND LED INDICATOR LIGHT. SIMILAR TO HUBBELL GFR5362 OR EQUAL BY LEVITON, PASS & SEYMOUR OR GE.

a. WHERE GFCI RECEPTACLE DEVICES ARE SHOWN ON DRAWINGS A GFCI RECEPTACLE SHALL BE PROVIDED - NO DOWNSTREAM WIRING OF STANDARD RECEPTACLES FROM THE LOAD SIDE OF A GFCI RECEPTACLE SHALL BE ACCEPTABLE AS A SUBSTITUTE FOR PROVIDING A GFCI RECEPTACLE DEVICE.

3) SPECIAL RECEPTACLES

a. THE TRADE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE SPECIAL RECEPTACLES REQUIRED TO MATCH PROVIDED, EXISTING AND NEW EQUIPMENT PLUGS.

4) LIGHTING CONTROLS (SEE SCHEDULES/NOTES ON DRAWINGS)

5) RECEPTACLE ORIENTATION

a. CONTRACTOR SHALL COORDINATE ORIENTATION OF DEVICE WITH ARCHITECT.

E. DEVICE PLATES

1) BRUSHED 302 STAINLESS STEEL

F. DEVICE WIRING

1) ALL DEVICES SHALL BE SIDE-WIRED VIA SCREW TERMINALS - PUSH-IN WIRING (AKA 'QUICKWIRE') THROUGH THE BACK OF THE DEVICE IS NOT AN ACCEPTABLE WIRING METHOD.

17. LIGHTING FIXTURES

A. MANUFACTURE AND INSTALL LIGHTING FIXTURES IN ACCORDANCE WITH NEC ARTICLE 410.

B. PROVIDE ALL LIGHTING FIXTURES INDICATED, COMPLETE WITH LAMPS. INCLUDE ALL INTERIOR LIGHTING FIXTURES, AND ALL EXTERIOR FIXTURES MOUNTED ON THE BUILDING.

C. FURNISH ALL PLASTER OR DRY WALL FRAMES AND DELIVER TO PROJECT SITE FOR INSTALLATION UNDER FINISHES, DIVISION 9.

D. USE FIXTURES CONFORMING TO UL STANDARDS, AND BEARING UL LABEL AND UNION LABEL.

E. GENERAL CONSTRUCTION

1) PLASTICS: 100 PERCENT VIRGIN ACRYLIC, REFER TO FIXTURE LIST FOR FURTHER DESCRIPTION.

a. METAL

(1) MATERIAL: STEEL, ALUMINUM OR OTHER TYPES MENTIONED.

(2) B & S GAUGE: NO. 22 MINIMUM FOR HOUSINGS, WITH APPROPRIATE CROSS-SECTIONAL CONFIGURATION FOR FIXTURE HOUSING; THINNER SHEET METAL ACCEPTABLE FOR BALLAST ENCLOSURES AND INCIDENTAL PURPOSES.

b. FINISHES

(1) CORROSION PROTECTION: PLATING, BONDERIZING, PRIMING, ELECTROSTATIC PAINTING, OR OTHER APPROVED MEANS.

(2) COLORS: FACTORY STANDARD UNLESS OTHERWISE NOTED.

(3) FINAL COATINGS: BAKED PAINT OR ENAMEL ON STEEL AND ALUMINUM; BAKED CLEAR LACQUER OR OTHER DURABLE TRANSPARENT FILM ON POLISHED METAL SURFACES.

c. EXTERIOR FIXTURES: ENCLOSED AND GASKETED, UNLESS OTHERWISE NOTED.

d. LED FIXTURES:

(1) MODULAR TO ALLOW FOR SEPARATE REPLACEMENT OF LED LAMPS AND DRIVERS.

(2) USER SERVICEABLE LED LAMPS AND DRIVERS REPLACEABLE FROM THE ROOM SIDE.

(3) DIMMABLE LED FIXTURES WITH EITHER A 01-10 VOLT, 3-WIRE DIMMING DRIVER OR A TWO-STEP (50%-100%) LINE VOLTAGE, TWO SWITCH CONTROLLED DIMMING DRIVER.

e. LATCHES: QUICK-OPERATING TYPE WITHOUT NEED FOR TOOLS, UNLESS OTHERWISE NOTED; STAINLESS STEEL OR CADMIUM PLATED STEEL.

f. EXPOSED HARDWARE: NOT ACCEPTABLE ON VISIBLE SURFACES OF FIXTURES IN FINISHED AREAS UNLESS OTHERWISE NOTED.

F. PROVIDE APPROPRIATE MOUNTING ACCESSORIES FOR EACH FIXTURE, COMPATIBLE WITH THE VARIOUS STRUCTURAL CONDITIONS THAT WILL BE ENCOUNTERED. PROVIDE FASTENING CLIPS (EARTHQUAKE CLIPS) FOR LIGHTING FIXTURES THAT ARE SUPPORTED FROM FRAMING MEMBERS OF SUSPENDED CEILINGS.

G. ASSEMBLE, WIRE AND INSTALL ALL LIGHTING FIXTURES AT THEIR RESPECTIVE OUTLETS AS INDICATED AND ASSUME RESPONSIBILITY FOR THEIR CONDITION UNTIL ACCEPTANCE BY OWNER. INSTALL PROPER LAMPS IN EACH FIXTURE.

H. FIXTURE CONNECTIONS TO BRANCH CIRCUITS SHALL BE MADE USING STRANDED WIRE WITH INSULATION TEMPERATURE RATING EQUAL TO OR HIGHER THAN THAT OF WIRE SUPPLIED WITH THE FIXTURE, OR SPECIFIED BY FIXTURE MANUFACTURER. FIXTURES ARE TO BE CONNECTED TO BRANCH CIRCUITS VIA JUNCTION BOX USING FLEXIBLE CONDUIT OF LENGTHS BETWEEN 4 FT. MINIMUM AND 6 FT. MAXIMUM.

I. THE USE OF FLEXIBLE CONDUIT, TO FIXTURES IN ANY LENGTH OVER 6 FT. IS PERMITTED ONLY WHEN A SEPARATE GROUND WIRE IS INSTALLED ALONG WITH THE CONDUCTORS INSIDE THE FLEXIBLE CONDUIT. IN THIS APPLICATION THE GROUND WIRE MUST BOND THE LIGHTING FIXTURE HOUSINGS TO EACH OTHER AND/OR TO THE JUNCTION BOX. ALL FLEXIBLE CONDUIT SHALL BE SUPPORTED AS REQUIRED BY NEC AND SHALL BE INSTALLED IN A WORKMANLIKE MANNER.

J. NOTE THAT SPECIFICATIONS FOR RECESSED FIXTURES GENERALLY DO NOT INCLUDE MOUNTING ACCESSORIES, AND THAT EACH FIXTURE TYPE MAY BE USED IN SEVERAL DIFFERENT CEILINGS, SUCH AS LAY-IN EXPOSED GRID, CONCEALED SPLINE TILE, OR DRYWALL. VERIFY MOUNTING DETAILS FOR EACH SPACE BEFORE ORDERING FIXTURES SO THAT PROPER QUANTITIES FOR EACH CONDITION WILL BE DELIVERED IN TIME TO AVOID CONSTRUCTION DELAYS.

K. SECURELY FASTEN LIGHTING FIXTURES TO FRAMING MEMBERS OF SUSPENDED CEILINGS WITH FASTENING CLIPS, AS SPECIFIED. CLIP EACH FIXTURE TO ALL ADJOINING FRAMING MEMBERS TO PREVENT MOVEMENT OF THE MEMBERS AWAY FROM THE FIXTURES.

L. SUPPORT EXIT SIGNS IN TILE CEILINGS WITH RAILS THAT SPAN BETWEEN RUNNERS OF CEILING SUSPENSION SYSTEM. USE FLANGED FIXTURES FOR FINISHED APPEARANCE.

M. SUPPORT LED FIXTURES IN DRYWALL CEILINGS FROM PLASTER FRAMES, WITH ADJUSTABLE LUGS ON SIDE OF FIXTURE OR YOKE MOUNTING AS RECOMMENDED BY FIXTURE MANUFACTURER. USE FLANGED FIXTURES FOR FINISHED APPEARANCE, UNLESS OTHERWISE NOTED.

N. LOCATE FIXTURE IN CENTER OF PANEL WHERE USED IN MODULAR TILE CEILINGS, UNLESS OTHERWISE NOTED. REFER TO REFLECTED CEILING PLAN.

18. EMPTY RACEWAY SYSTEMS

A. A COMPLETE EMPTY RACEWAY SYSTEM CONSISTING OF BLANK 4-11/16 IN. SQ. X 2-1/8 INCHES DEEP OUTLET BOXES WITH SINGLE OR DOUBLE GANG DRYWALL FINISH COLLAR AS NOTED. METALLIC RACEWAY WITH PULL STRING SHALL BE PROVIDED AND INSTALLED WHERE SHOWN FOR THE FOLLOWING SYSTEMS.

1) TELEPHONE/DATA (SINGLE GANG)

2) CABLE TELEVISION (SINGLE GANG)

B. RACEWAY SIZE SHALL BE A MINIMUM OF 3/4 IN. OR AS DOCUMENTED IN PLANS AND DETAILS.

C. ALL METALLIC RACEWAY SYSTEMS SHALL BE STUBBED UP AND TERMINATE IN ACCESSIBLE CEILING. END BUSHINGS AND PULL WIRES SHALL BE PROVIDED. BONDING OF ALL RACEWAY SYSTEMS TO PROVIDE A COMMON GROUND PATH SHALL BE PROVIDED.

D. ACTUAL DEVICES, CONNECTORS, WIRING COMPLETE WITH TERMINATIONS AND BOX COVERS SHALL BE PROVIDED BY THE OWNER.

19. FIRE STOPPING

A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION SPECIFICATION SECTIONS, APPLY TO WORK OF THIS SECTION.

B. PROVIDE ALL REQUIRED FIRE STOPPING. WORK INCLUDES FIRE-STOPPING PENETRATIONS OF FIRE-RESISTANCE RATED FLOORS, WALLS AND PARTITIONS IN NEW CONSTRUCTION, AS WELL AS PRE-EXISTING PENETRATIONS IN RENOVATION AREAS OF EXISTING CONSTRUCTION.

C. PRODUCT DATA: SUBMIT MANUFACTURER'S PRODUCT DATA FOR EACH FIRE-STOPPING PRODUCT REQUIRED, INCLUDING INSTRUCTIONS FOR SUBSTRATE PREPARATION AND FIRE-STOPPING INSTALLATION.

D. FIRE RESISTANT JOINT SEALERS: PROVIDE MANUFACTURER'S STANDARD FIRE-STOPPING SEALANT WITH ACCESSORY MATERIALS, HAVING FIRE RESISTANCE RATINGS INDICATED AS ESTABLISHED BY TESTING. IDENTICAL ASSEMBLIES PER ASTM E814 BY UNDERWRITERS LABORATORY, INC. OR OTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

E. MATERIALS - PROVIDE THE FOLLOWING:

1) ONE-PART FIRE-STOPPING SEALANT: ONE PART LATEX BASED INTUMESCENT SEALANT FORMULATED FOR USE IN A THROUGH-PENETRATION FIRE-STOP SYSTEM FOR SEALING OPENINGS AROUND CABLES, CONDUIT, PIPES AND SIMILAR PENETRATIONS THROUGH WALLS AND FLOORS. ACCEPTABLE PRODUCTS/MANUFACTURERS INCLUDE THE FOLLOWING:

a. SPEC SEAL LC150 SERIES

b. HILTI FS ONE

c. 3M

20. TESTS

A. BEFORE MAKING TESTS, COMPLETE ALL CONNECTIONS AT PANELS, FIXTURES AND OTHER EQUIPMENT. INSTALL FUSES AND HAVE ALL WIRING CONTINUOUS FROM SERVICE EQUIPMENT TO UTILIZATION OUTLETS. CORRECT ALL UNDESIRABLE GROUND, OPEN AND SHORT CIRCUIT CONDITIONS.

B. PROVIDE SOURCE OF TEMPORARY POWER FOR MAKING TESTS IF NORMAL BUILDING POWER IS NOT AVAILABLE AT THE TIME.

C. TAKE AND RECORD THE FOLLOWING READINGS ON SYSTEMS 600 VOLTS AND BELOW:

1) MEGGER TESTS OF ALL FEEDER CIRCUIT CONDUCTORS, GROUND CONDUCTORS, AND CONDUIT GROUND.

2) AMMETER READINGS ON ALL PHASES AND NEUTRAL OF EACH FEEDER TO INDICATE BALANCE.

3) AMMETER READINGS ON ALL PHASES OF EACH POLYPHASE MOTOR. INCLUDE NAMEPLATE FULL LOAD CURRENT OF EACH MOTOR ON DATA SHEET.

4) CERTIFY THAT ALL OVERLOAD DEVICES HAVE BEEN SET IN ACCORDANCE WITH DATA SHOWN ON THE DRAWINGS AND/OR MANUFACTURER'S RECOMMENDED SETTINGS.

D. SEND FINAL CERTIFIED TEST REPORTS AND CERTIFICATIONS TO THE ARCHITECT FOR APPROVAL AND TRANSMITTAL TO THE OWNER.

E. PROVIDE FUNCTIONAL TESTING FOR OCCUPANT SENSORS AND AUTOMATIC TIME SWITCH IN ACCORDANCE WITH ARTICLE 9.4.3 OF THE 2019 EDITION OF ASHRAE STANDARD 90.1.

22. DEMONSTRATION OF COMPLETE ELECTRICAL SYSTEMS

A. SUBMIT WRITTEN CERTIFICATION THAT ELECTRICAL SYSTEMS ARE COMPLETE AND OPERATIONAL. SUBMIT CERTIFICATION WITH CONTRACTOR'S REQUEST FOR FINAL REVIEW.

1) AT THE TIME OF FINAL REVIEW OF ELECTRICAL WORK, DEMONSTRATE THE OPERATION OF ELECTRICAL SYSTEMS. FURNISH LABOR, APPARATUS AND EQUIPMENT FOR SYSTEMS' DEMONSTRATION. THE VARIOUS TEST SHALL BE WITNESSED BY AND THE OWNER OR HIS REPRESENTATIVE.

B. THE CONTRACTOR SHALL FURNISH ALL TEST EQUIPMENT, MATERIALS, LABOR, AND TEMPORARY POWER HOOK-UPS TO PERFORM START-UP AND ALL TESTS AS REQUIRED TO OBTAIN FINAL FIELD ACCEPTANCE FROM OWNER. ALL TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE OWNER OR HIS REPRESENTATIVE. ALL TEST PROCEDURES SHALL CONFORM TO THIS SPECIFICATION AND APPLICABLE STANDARDS THE ANSI, IEEE, NEMA, OSHA, NEPA, ETC.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TESTS AND TEST RECORD. TESTING SHALL BE PERFORMED BY AND UNDER THE IMMEDIATE SUPERVISION OF THE CONTRACTOR. TEST RECORD SHALL BE KEPT FOR EACH PIECE OF EQUIPMENT. COPIES SHALL BE FURNISHED TO THE ENGINEER FOR REVIEW AND/OR APPROVAL.

D. A VISUAL INSPECTION OF ALL ELECTRICAL EQUIPMENT, TO CHECK FOR THE FOREIGN MATERIAL, TIGHTNESS OR WIRING AND CONNECTION, PROPER GROUNDING, MATCHING NAMEPLATE CHARTS WITH SPECIFICATION, ETC., SHALL BE MADE PRIOR TO ACTUAL TESTING.

E. A COMPLETE OPERATIONAL TEST SHALL BE MADE ON THE REVISED LIFE SAFETY FIRE ALARM SYSTEM. THE CONTRACTOR SHALL CONSULT WITH THE EQUIPMENT VENDORS AND THEN SUBMIT FOR APPROVAL A STEP-BY-STEP PROCEDURE.

DESCRIBING THE METHOD OF MAKING THE TESTS, THE EQUIPMENT TO BE UTILIZED AND THE FEATURE TO BE CHECKED BY THE TEST. ALL INTERLOCKS AND PROTECTIVE FEATURES SHALL BE CHECKED OUT.

23. SPECIAL ENGINEERING SERVICES

A. IN THE INSTANCE OF COMPLEX OR SPECIALIZED ELECTRICAL SYSTEMS SUCH AS EMERGENCY SYSTEM FIRE ALARM OR SIMILAR MISCELLANEOUS SYSTEMS, THE INSTALLATION, FINAL CONNECTIONS AND TESTING OF SUCH SYSTEMS SHALL BE MADE UNDER THE DIRECT SUPERVISION OF COMPETENT AUTHORIZED SERVICE ENGINEERS WHO SHALL BE IN THE EMPLOY OF THE RESPECTIVE EQUIPMENT MANUFACTURER.

B. ANY AND ALL EXPENSES INCURRED BY THESE EQUIPMENT MANUFACTURERS' REPRESENTATIVES RELATED TO THIS PROJECT, SHALL BE BORNE BY THE ELECTRICAL CONTRACTOR.

24. DESIGN MODIFICATIONS

A. THE DRAWINGS SHOW ELECTRICAL SYSTEMS, WHICH SUPPLY, CONTROL AND/OR MONITOR SYSTEMS SPECIFIED ELSEWHERE. THE ELECTRICAL SYSTEM SHOWN HAS BEEN BASED ON SPECIFIC MANUFACTURERS DATA OR INFORMATION CONVEYED TO THE ELECTRICAL DESIGNER. WHERE ANY AGREEMENT OR CHANGE IS MADE TO SUPPLY EQUIPMENT OF LARGER CAPACITY OR DIFFERENT ELECTRICAL CHARACTERISTICS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE ELECTRICAL SYSTEM TO EFFECT SUCH CHANGES WITHIN THE INTENT OF THESE SPECIFICATIONS AND TO INFORM THE ENGINEER, IN WRITING, OF SUCH CHANGE. FOR EXAMPLE, IF HVAC COMPRESSORS AND/OR MOTORS ARE ALLOWED TO BE CHANGED TO 230 VOLTS RATHER THAN THE ORIGINALLY SPECIFIED 208 VOLTS, BOOSTING OR BUCKING TRANSFORMERS SHALL BE SUPPLIED, INSTALLED, AND WIRED TO ACCOMMODATE THE CHANGE AT NO ADDITIONAL COST.

Revisions		
No.	Date	Description

MOORE
CONSULTING ENGINEERS, LLC

457 Oakshade Road Shrewsbury, NJ 08088
Tel: (609) 268-0500 Fax: (609) 268-0500
JEFFREY A. MOORE, P.E.
PROFESSIONAL ENGINEER
NJ LIC. NO. 24GE0451000
NJ AUTH. NO. 24GA26129100
MCE PROJECT #23146

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL. MIMPF RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MIMPF VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.

© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC



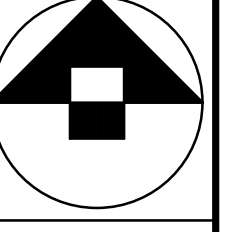
Manders Merighi Portadin Farrell Architects, LLC
1136 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856.696.9155 | f. 856.696.9080 | www.mmpfa.com

David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-19008
Peter W. Farrell AIA AI-19618

Project

**VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATION**
640 E. WOOD ST.
VINELAND, NJ 08360

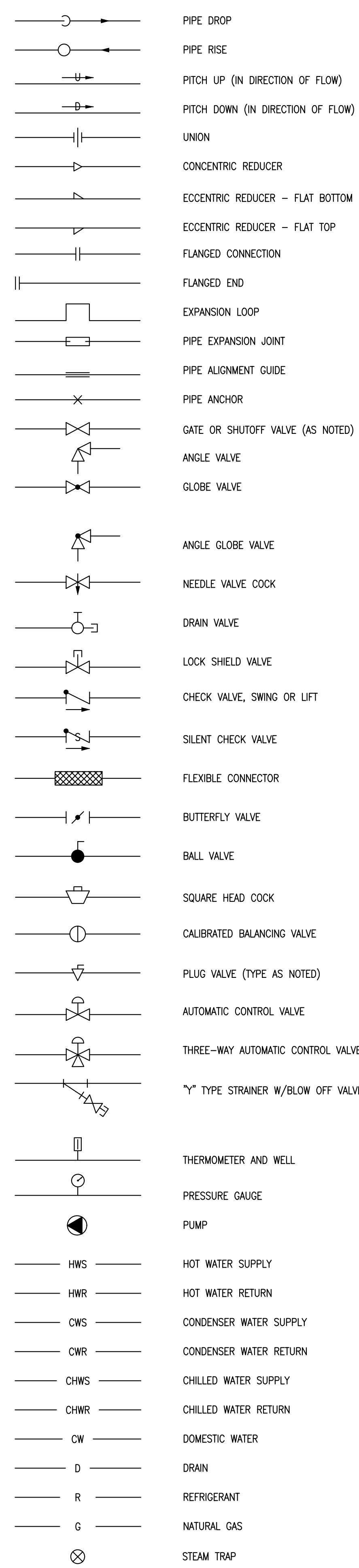
Drawing		
ELECTRICAL SPECIFICATIONS		
Scale	Job	Sheet
AS NOTED	22.099	E5.2
Drawn	Date	8 of 8
PLQ	01/23/24	



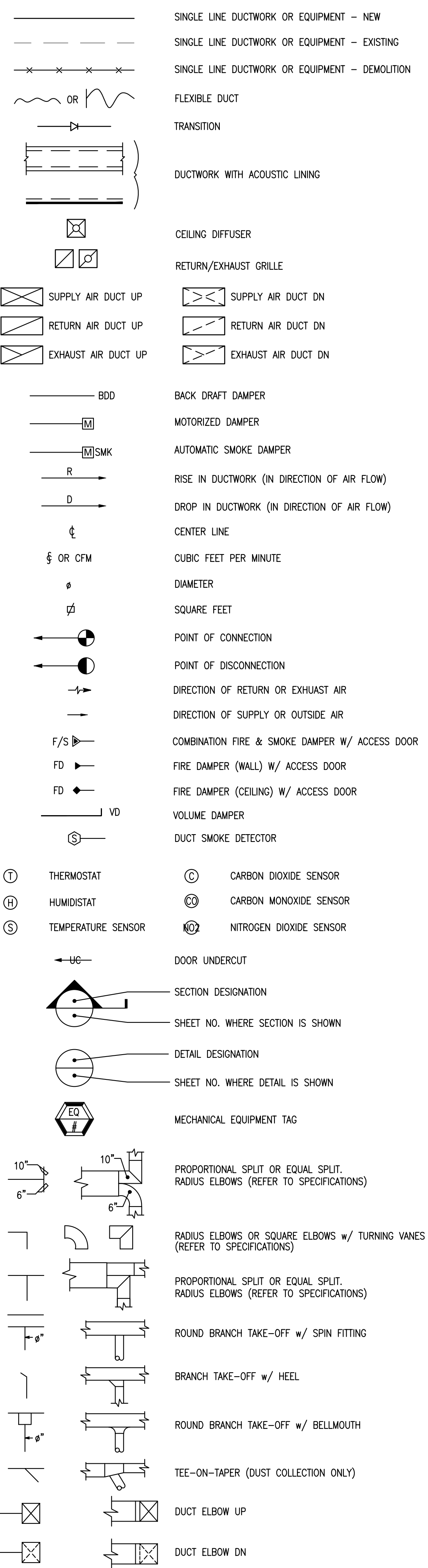
HVAC SYMBOLS LIST

(NOT ALL SYMBOLS ARE NECESSARILY USED ON THIS PROJECT)

HVAC BASIC PIPING SYMBOLS



HVAC BASIC DUCTWORK & ACCESSORY SYMBOLS



HVAC ABBREVIATIONS

(NOT ALL ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT)

AAV	AUTOMATIC AIR VENT	HW	HOT WATER
AC	AIR CONDITIONING	HX	HEAT EXCHANGER
ACU	AIR CONDITIONING UNIT	HZ	HERTZ (FREQUENCY)
AD	ACCESS DOOR	IN.	INCH OR INCHES
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AHU	AIR HANDLING UNIT	LD	LINEAR DIFFUSER
BCU	BLOWER COIL UNIT	LF	LINEAR FEET
BDD	BACKDRAFT DAMPER	LWB	LEAVING WET BULB TEMPERATURE
BHP	BRAKE HORSEPOWER	LWT	LEAVING WATER TEMPERATURE
BMS	BUILDING MANAGEMENT SYSTEM	MWH	THOUSAND BTU PER HOUR
BR	BOTTOM REGISTER	MER	MECHANICAL EQUIPMENT ROOM
BT	BOTTOM THROAT	MIN	MINIMUM
BTU	BRITISH THERMAL UNIT	MOD	MOTOR OPERATED DAMPER
BTUH	BTU PER HOUR	(N)	NEW
CD	CEILING DIFFUSER	NC	NORMALLY CLOSED
CFM	CUBIC FEET PER MINUTE	NIC	NOT IN CONTRACT
CG	CEILING GRILLE	NO	NORMALLY OPEN
CHWR	CHILLED WATER RETURN	NO.	NUMBER
CHWS	CHILLED WATER SUPPLY	NTS	NOT TO SCALE
CLG	CEILING	OA	OUTSIDE AIR
CO	CLEANOUT	OAI	OUTSIDE AIR INTAKE
COND	CONDENSATE	OED	OPEN END DUCT
CR	CEILING REGISTER	P.C.	PLUMBING CONTRACTOR
CUH	CABINET UNIT HEATER	PSI	POUNDS PER SQUARE INCH
CV	CONSTANT VOLUME	PSIA	PSI ABSOLUTE
CW	COLD WATER/CONDENSER WATER	PSIG	PSI GAUGE
DB	DRY BULB	RA	RETURN AIR
DDC	DIRECT DIGITAL CONTROL	(RE)	RELOCATED EXISTING
DM	DIAMETER	RF	RETURN FAN
DMPR	DAMPER	RG	RETURN GRILLE
DN	DOWN	RH	RELATIVE HUMIDITY
DX	DIRECT EXPANSION	RHC	REHEAT COIL
(E)	EXISTING TO REMAIN	ELA	RUNNING LOAD AMPS
(ER)	EXISTING TO BE REMOVED	ELM	REVOLUTIONS PER MINUTE
(ERR)	EXISTING TO BE REMOVED & RELOCATED	RR	RETURN REGISTER
EA	EXHAUST AIR/EACH	(RRR)	EXISTING TO BE REMOVED & RETURN TO OWNER
EAT	ENTERING AIR TEMPERATURE	RTU	ROOFTOP HANDLING UNIT
E.C.	ELECTRICAL CONTRACTOR	SA	SUPPLY AIR
EDB	ENTERING DRY BULB TEMPERATURE	SD	SMOKE DAMPER
EF	EXHAUST FAN	SF	SUPPLY FAN
EG	EXHAUST GRILLE	SP	STATIC PRESSURE
EL	ELEVATION	SPEC	SPECIFICATION
EMS	ENERGY MANAGEMENT SYSTEM	SQFT	SQUARE FEET
ER	EXHAUST REGISTER	SR	SUPPLY REGISTER
ESP	EXTERNAL STATIC PRESSURE	TCH	TOTAL DYNAMIC HEAD
EWB	ENTERING WET BULB	TEMP	TEMPERATURE
EWT	ENTERING WATER TEMPERATURE	TG	TRANSFER GRILLE
EXH	EXHAUST	TR	TOP REGISTER
F	DEGREES FAHRENHEIT	TRANS	TRANSITION
FA	FRESH AIR/FREE AREA (SQ. FT.)	TSP	TOTAL STATIC PRESSURE
FCU	FLEXIBLE CONNECTION	TST	THERMOSTAT
FC	FAN COIL UNIT	TYP	TYPICAL
FD	FIRE DAMPER	UH	UNIT HEATER
FIN FL/FF	FINISHED FLOOR	UNON	UNLESS OTHERWISE NOTED
FLA	FULL LOAD AMPERES	VD	VOLUME DAMPER
FPB	FAN-POWERED BOX	VFD	VARIABLE FREQUENCY DRIVE
FFM	FEET PER MINUTE	VAV	VARIABLE AIR VOLUME
GAL	GALLON	VV	VARIABLE INLET VANES
G.C.	GENERAL CONTRACTOR	W	WIDTH
GPH	GALLONS PER HOUR	W/	WITH
GPM	GALLONS PER MINUTE	WB	WET BULB
GRD	GRILLES, REGISTERS & DIFFUSERS	W.C.	WATER COLUMN
HT	HEIGHT	W.G.	WATER GAUGE
HP	HORSEPOWER	WH	WATER HEATER
HR	HOUR	WMS	WIRE MESH SCREEN
HV	HEATING AND VENTILATING		

MECHANICAL NOTES

- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND SPECIFICATIONS AND VISIT THE SITE TO BECOME ACCQUAINTED WITH THE CONSTRUCTION AND THE EXTENT OF THE WORK. NO EQUIPMENT OR MATERIAL IS TO BE ORDERED OR FABRICATED PRIOR TO FIELD VERIFICATION OF ALL MEASUREMENTS, CLEARANCES, POTENTIAL CONFLICTS WITH EXISTING CONDITIONS OR THAT OF OTHER TRADES ON THE JOB.
- CONTRACTOR SHALL PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE, WHETHER SPECIFIED OR IMPLIED.
- WHERE THERE IS A DISCREPANCY BETWEEN MATERIAL OR EQUIPMENT IN THE DRAWINGS AND/OR SPECIFICATIONS, THE MECHANICAL CONTRACTOR SHALL ASSUME THE MORE STRINGENT, HIGHER QUALITY AND MORE EXPENSIVE OPTION FOR BIDDING.
- CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO SUBMITTING A BID.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST APPLICABLE INTERNATIONAL BUILDING CODE, MECHANICAL CODE, FUEL GAS CODE, PLUMBING CODE, NEC CODE AND ALL OTHER STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.
- ACCESS PANELS SHALL BE PROVIDED TO SERVICE ALL VALVES, DAMPERS, HEATERS, CONCEALED MECHANICAL EQUIPMENT, TRAPS, CLEANOUTS AND DISCHARGE SIDE OF ELECTRIC HEATERS. COORDINATE ACCESS DOORS ON FINISHED SURFACES W/ ARCHITECT AND OWNER.
- FINAL LOCATIONS FOR MOUNTING ALL THERMOSTATS SHALL BE COORDINATED WITH THE ENGINEER PRIOR TO INSTALLING ANY CONTRACT WORK. ALL COMMON AREA THERMOSTATS SHALL BE EQUIPPED WITH LOCKING COVERS. MOUNT ALL THERMOSTATS TO COMPLY WITH ADA REQUIREMENTS. THERMOSTAT WIRING SHALL BE INSTALLED IN CONCEALED SPACE, WALL OR CHASE - COORDINATE WITH THE OWNER REPRESENTATIVE. CONTRACTOR SHALL PROVIDE 1-INCH THICK (R-5) FOAM BOARD INSULATION PAINTED TO MATCH THE ROOM'S FINISH FOR ALL THERMOSTATS MOUNTED ON MASONRY WALLS.
- THE TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). TESTING, ADJUSTING, AND BALANCING SHALL BE PERFORMED IN ACCORDANCE WITH THE AABC OR NEBB STANDARDS.
- CONTRACTOR SHALL ENSURE THAT ALL MECHANICAL DEVICES WILL BE INSTALLED IN LOCATIONS WHICH AFFORD ACCESSIBILITY FOR MAINTENANCE AND REPAIR. COORDINATE INSTALLATION AMONG ALL TRADES TO AVOID INTERFERENCES AND LOCATE EQUIPMENT TO PROVIDE CLEARANCES WHICH EXCEED THOSE RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE SAFETY OF STRUCTURE, BOTH EXISTING AND NEW.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SCHEDULING AND ASSOCIATED HOISTING, STACKING, AND ERECTING OF MATERIALS. ALL ELEMENTS OF THE EXISTING PROPERTY SHALL BE PROTECTED AGAINST DAMAGE RESULTING FROM THESE ACTIVITIES.
- THE LOCATION OF EXISTING SYSTEMS AND SYSTEM COMPONENTS WAS OBTAINED THROUGH EXISTING DRAWINGS AND FIELD SURVEYS. ONLY SYSTEM ELEMENTS THAT WERE CLEARLY VISIBLE HAVE BEEN IDENTIFIED. LOCATIONS AND SIZES OF EXISTING SYSTEMS MUST BE FIELD VERIFIED BY THE CONTRACTOR, PRIOR TO THE REMOVAL OF ANY EXISTING SYSTEM COMPONENTS AND CONNECTING NEW SYSTEMS TO EXISTING.
- THESE DRAWINGS HAVE BEEN MADE BASED ON A VISUAL INSPECTION OF THE EXISTING SURFACES. SOME ASSUMPTIONS HAVE BEEN MADE AS TO ACTUAL CONSTRUCTION, MATERIALS, AND METHODS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL ACTUAL FIELD CONDITIONS AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES, CONFLICTS, AND UNFORESEEN CONDITIONS. IN ADDITION, THESE DRAWINGS ASSUME THAT ALL EXISTING MATERIALS ARE IN GOOD STRUCTURAL SHAPE, GOOD WORKING ORDER, AND MEET ALL APPLICABLE CODES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION OF ALL EXISTING STRUCTURAL ELEMENTS AND SHALL REPORT TO THE CLIENT AND ARCHITECT ANY SIGNS OF POTENTIAL PROBLEMS WITH THE STRUCTURE INCLUDING, BUT NOT LIMITED TO, WOOD DECAYING ORGANISMS, WATER PENETRATION, STRUCTURAL FRACTURES, STRESSED SURFACES, BRICK AND MASONRY WEAKENING AND WEAK STRUCTURAL CONNECTIONS.
- ENGAGE A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO PERFORM STARTUP SERVICES. COMPLETE INSTALLATION AND STARTUP CHECKS SHALL BE ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND STARTUP REPORTS SHALL BE PROVIDED TO ARCHITECT/ENGINEER FOLLOWING COMPLETION. STARTUP SHALL BE PROVIDED FOR ALL EQUIPMENT SUPPLIED OR INSTALLED, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - A. AIR CONDITIONING UNITS
 - B. HEATERS
 - C. PUMPS
 - D. FANS
 - E. BOILERS
 - F. CHILLERS
 - G. CONDENSERS & HEAT PUMPS
 - H. CONTROLS
- THE CONTRACTOR SHALL PREPARE FULLY DIMENSIONED FIELD INSTALLATION DRAWINGS AS OUTLINED BELOW. THESE DRAWINGS SHALL BE FORWARDED TO ALL CONTRACTORS. EACH CONTRACTOR SHALL SUBSEQUENTLY IN SUCCESSION DELINEATE THEIR RESPECTIVE WORK ON THESE COORDINATION DRAWINGS. WHEN ALL WORK HAS BEEN PROPERLY SHOWN ON THE COORDINATION DRAWINGS, AND ALL CONTRACTORS AGREE THAT THEIR RESPECTIVE WORK CAN BE INSTALLED AND SHALL PROPERLY FIT TOGETHER, THEY SHALL SO ACKNOWLEDGE BY ENDORSING THE DRAWING(S). ANY WORK DONE PRIOR TO COMPLETION OF ABOVE COORDINATION PROCESS FOUND IN CONFLICT SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.
- MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR WHO WILL PROVIDE POWER WIRING TO ALL MECHANICAL EQUIPMENT. MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL AND INTERLOCK WIRING AND ALL THERMOSTATS AND ACCESSORIES.

MECHANICAL EQUIPMENT SERVICING & AIR AND HYDRONIC PRE-BALANCING REQUIREMENTS

PRE-BALANCING REPORTS ARE REQUESTED DUE TO THE VISUAL NATURE OF THE ENGINEERS' FIELD SURVEYS. SOME ASSUMPTIONS HAVE BEEN MADE DURING THE DESIGN WHICH SHALL BE CONFIRMED, ADJUSTED OR CORRECTED FOLLOWING REVIEW OF THESE PRE-BALANCING REPORTS. THE FOLLOWING REQUIREMENTS WILL ALLOW THE ENGINEER TO PROPERLY REVIEW THEIR ASSUMPTIONS:

- PRIOR TO ANY DEMOLITION OR PRE-BALANCING, THE CONTRACTOR SHALL CLEAN, ADJUST, REGULATE, AND SERVICE ALL EXISTING MECHANICAL EQUIPMENT ON THE FIRST AND SECOND FLOOR FOR PROPER OPERATION. REPLACE ALL FILTERS IN UNITS AND ANY DAMAGED PARTS. RECHARGE REFRIGERANT AS NEEDED. CORRECT ANY OBJECTIONABLE NOISE AND VIBRATION. REPORT ANY UN-REPAIRABLE DEFICIENCIES TO ARCHITECT AND ENGINEER.
- PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL PROVIDE AIR BALANCING REPORTS, TO ARCHITECT AND ENGINEER, INCLUDING AIRFLOWS AT SUPPLY, RETURN, AND OUTSIDE AIR MAINS FOR ALL EXISTING HEAT PUMPS SERVING THE FIRST AND SECOND FLOOR, AS WELL AS THE ENERGY RECOVERY VENTILATOR ON THE FIRST FLOOR. ADDITIONALLY, PROVIDE AIRFLOW MEASUREMENTS AT ALL EXISTING EXHAUST GRILLES ASSOCIATED WITH EXISTING SYSTEMS ON EACH FLOOR.
- PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL PROVIDE AIR BALANCING REPORTS, TO ARCHITECT AND ENGINEER, INCLUDING AIRFLOWS AT EXHAUST FAN, RISER, AND BRANCH DUCTWORK SERVING THE FIRST AND SECOND FLOOR. ADDITIONALLY, PROVIDE AIRFLOW MEASUREMENTS AT ALL EXISTING EXHAUST GRILLES ASSOCIATED WITH EXISTING SYSTEMS ON EACH FLOOR.
- PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL PROVIDE HYDRONIC BALANCING REPORTS, TO ARCHITECT AND ENGINEER, INCLUDING FLOW RATE AND PRESSURE DROP AT HEAT PUMP LOOP, SUPPLY AND RETURN PUMPS, AND SUPPLY AND RETURN MAINS ON FIRST AND SECOND FLOOR. ADDITIONALLY, PROVIDE FLOW RATE AND PRESSURE DROP AT EACH EXISTING HEAT PUMP.

GENERAL FIRESTOPPING NOTE

CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING OR EXCEEDING WALL/CEILING/FLOOR ASSEMBLY RATINGS FOR ALL PENETRATIONS. CONTRACTOR SHALL VERIFY LOCATION AND RATING OF ALL FIRE ASSEMBLIES AND PROVIDE INTENSIFIED COLLARS AT ALL PENETRATIONS AND FIRE RATED CAULKING AS REQUIRED.

- DUAL DUCT VAV UNIT NOTES:**
- REFER TO SCHEDULE SHEET FOR ADDITIONAL INFORMATION.
 - EXISTING TERMINAL UNITS ARE PRESSURE DEPENDANT WITH PNEUMATIC CONTROLS.
 - CLEAN AND REFURBISH ALL UNITS PRIOR TO STARTING ANY NEW WORK ON THE SYSTEM. CHECK ALL CONTROLS. REPORT ANY DAMAGE OR OPERATION ISSUES TO ARCHITECT AND ENGINEER.
 - PROVIDE NEW ELECTRIC TO PNEUMATIC WIRELESS THERMOSTATS FOR ALL UNITS.
 - PROVIDE A UNIT PRICE (PER TERMINAL UNIT) FOR RETROFIT/REPLACEMENT OF EXISTING CONSTANT VOLUME REGULATORS.
 - PROVIDE A UNIT PRICE (PER TERMINAL UNITS) TO REPLACE EXISTING DUAL DUCT TERMINAL UNITS WITH NEW SIMILAR TO TITUS PEDC.

Revisions		
No.	Date	Description

ISSUED FOR BID, NOT FOR CONSTRUCTION 01/23/2024

MOORE
CONSULTING ENGINEERS, LLC
457 Oakshade Road | Shrewsbury, NJ 08088
Tel: (609) 298-0500 | Fax: (609) 298-0500
JEFFREY A. MOORE, PE
PROFESSIONAL ENGINEER
NJ LIC. NO. 24G0451000
NJ AUTH. NO. 24G045100100
MCE PROJECT #23146

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MPMFP VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.

© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC

mmpf
architects

Manders Merighi Portadin Farrell Architects, LLC
1138 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856.696.9155 | f. 856.696.9080 | www.mmpf.com

David G. Manders AIA
Lawrence J. Merighi AIA
Ronald P. Portadin AIA
Peter W. Farrell AIA

AI-07220
AI-07473
AI-19008
AI-19018

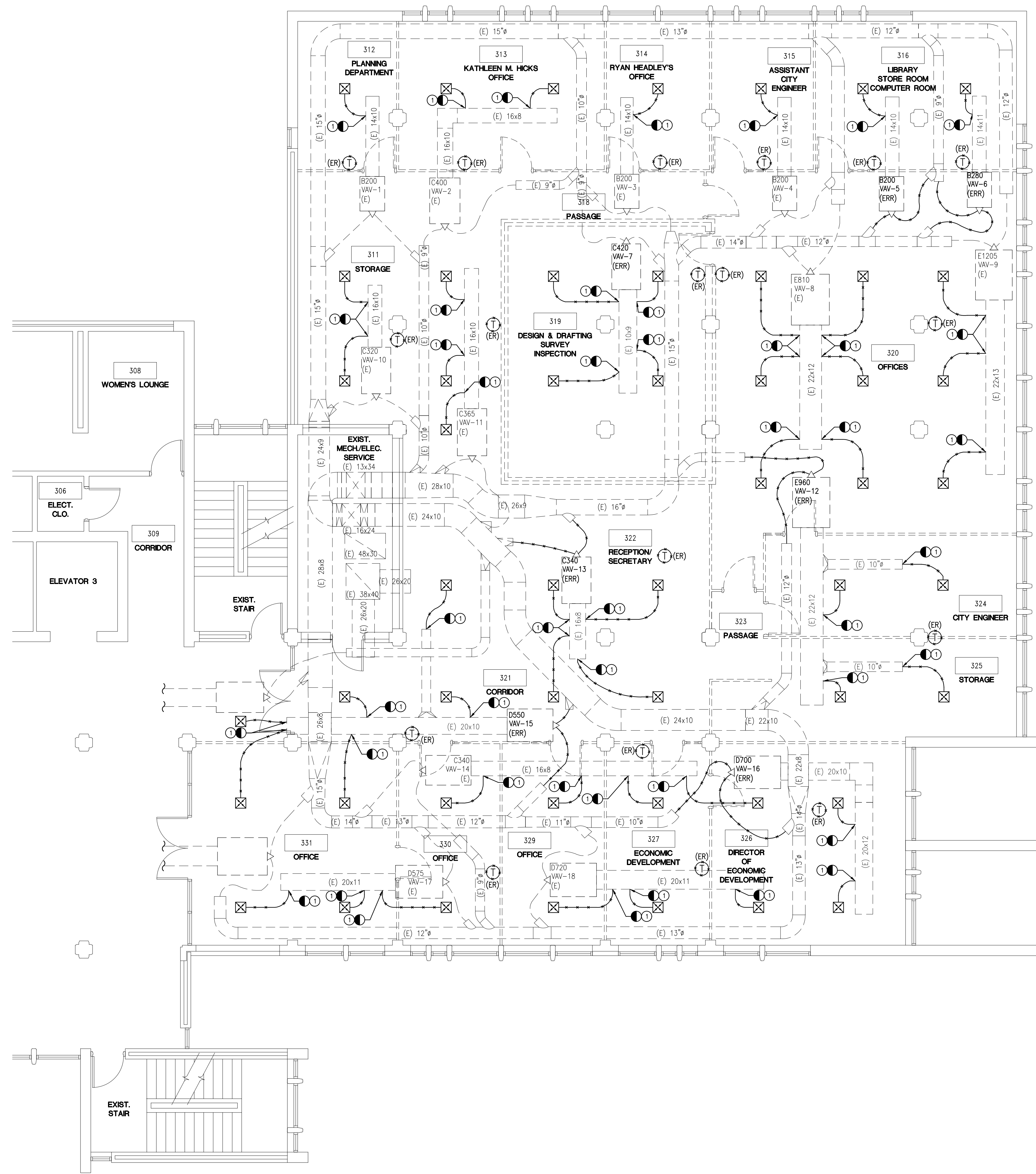
Project

**VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATION**
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing

MECHANICAL COVERSHEET

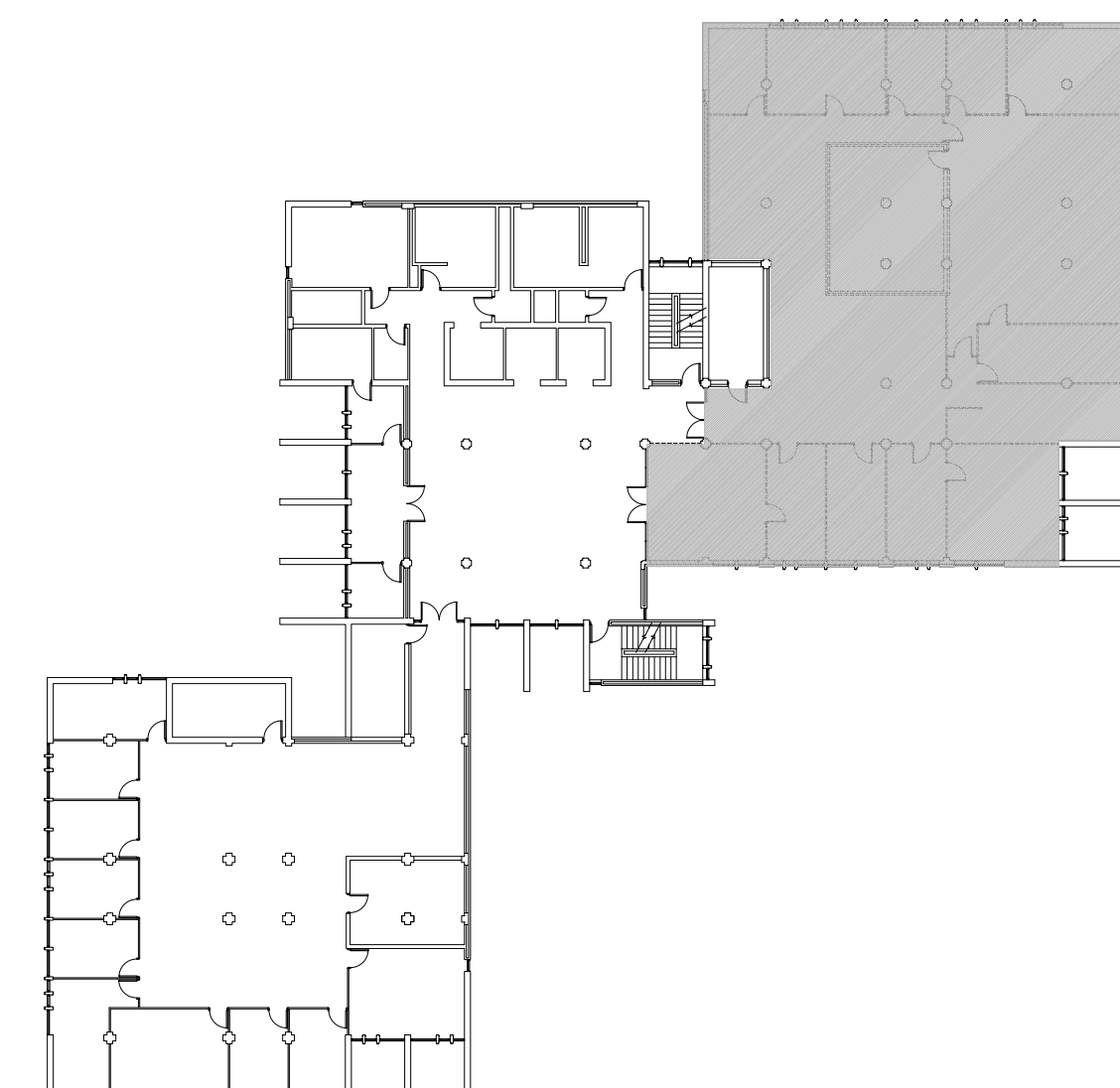
Scale	AS NOTED	Job	22.099	Sheet	MO.0
Drawn	HF	Date	01/23/24		1 of 6



01 MECHANICAL FOURTH FLOOR PLANS - DEMOLITION
SCALE: 3/16" = 1'-0"

- DEMOLITION NOTES:
- THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH RELOCATION AND REMOVAL OF ELECTRICAL WORK AS DESCRIBED IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN ISSUES WHEN CONCEALED WORK HAS BEEN EXPOSED. NO ADDITIONAL CLAIMS FOR WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, UNLESS, IN CERTAIN CASES, CONSIDERED JUSTIFIABLE BY THE ARCHITECT.
 - THE CONTRACTOR SHALL PERFORM REMOVAL AND DEMOLITION WORK WITH MINIMAL INTERFERENCE WITH EXISTING ELECTRICAL SYSTEMS. ALL AFFECTED ELECTRICAL SYSTEMS SHALL BE RESTORED AND RECONNECTED.
 - DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR, PAINT OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
 - THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL OUTLETS, SWITCHES, ETC., INCLUDING ASSOCIATED WIRING, CONDUITS, ETC., FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING WIRING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL JUNCTION BOXES AND OTHER DEVICES AND PROVIDE BRASS CONNECTIONS NECESSARY TO MAKE CIRCUITS AFFECTED CONTINUOUS AND READY FOR OPERATION. OTHERWISE, WIRING SHALL BE REMOVED BACK TO THE NEAREST ELECTRICAL JUNCTION BOX THAT IS TO REMAIN OR TO PANELBOARD.
 - THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK WHICH INTERFERES WITH THE NEW ELECTRICAL AND ARCHITECTURAL LAYOUTS IN FULL COORDINATION WITH THE ARCHITECT'S DEMOLITION PLANS. ALL SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE DE-ENERGIZED AND DISCONNECTED AT THE POWER SUPPLY SOURCE.
 - EXISTING PANELBOARD DIRECTORIES AFFECTED BY THE ALTERATION WORK SHALL BE CHANGED TO REFLECT THE BRANCH CIRCUIT WIRING MODIFICATIONS.
 - ALL UNUSED OUTLET BOXES OR CAPPED FLOOR OUTLETS SHALL BE PROVIDED WITH MATCHING BLANK COVERS.
 - ALL RACEWAYS WHICH ARE EXPOSED AS A RESULT OF NEW WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
 - PORTIONS OF FEEDER RUNS THAT SHALL BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ENERGIZED, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED. NEW FEEDER EXTENSIONS SHALL MATCH EXISTING FEEDER EXTENSIONS IN ALL ASPECTS INCLUDING BUT NOT LIMITED TO CABLE TYPE, CONDUIT SIZES, CONDUCTOR AMPACITY, ETC.
 - FOR ALL EXISTING LIGHT FIXTURES TO REMAIN ("RE") OR TO BE RELOCATED ("RE"), THE CONTRACTOR SHALL CLEAN ALL LENSES, REFLECTORS, TRIMS, ETC. AND REPLACE ALL LAMPS, DRIVERS AND BALLASTS AS REQUIRED. COORDINATE LAMP COLOR TEMPERATURES WITH OWNER AND ALL NEW LAMPING AND FIXTURES.
 - AS DIRECTED BY THE OWNER, ALL EXISTING EQUIPMENT AND MATERIAL, IN USABLE CONDITION THAT IS REMOVED UNDER THIS CONTRACT SHALL REMAIN THE PROPERTY OF THE OWNER OR BE DISPOSED BY THE ELECTRICAL CONTRACTOR.
 - THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS. THE CONTRACTOR SHALL FOLLOW CLOSELY THE ARCHITECT'S DEMOLITION AND PHASING SCHEDULE AND PROCEED IN THE SPECIFIED SEQUENCE.
 - THE SHUTDOWN OF EXISTING BUILDING ELECTRICAL SERVICES SHALL BE COORDINATED WITH THE OWNER. MAKE APPROPRIATE ARRANGEMENTS AT LEAST 14 DAYS PRIOR TO A SHUTDOWN.

- KEY NOTES:
- DISCONNECT AND REMOVE EXISTING SUPPLY DIFFUSER AND DUCT BACK TO POINT SHOWN. PATCH AT MAIN DUCT WITH AIR TIGHT SEAL.



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

Revisions		
No.	Date	Description

ISSUED FOR BID, NOT FOR CONSTRUCTION 01/23/2024

MOORE
CONSULTING ENGINEERS, LLC
457 Oakshade Road, Shrewsbury, NJ 08088
Tel: (609) 268-0500 Fax: (609) 268-0500
JEFFREY A. MOORE, PE
PROFESSIONAL ENGINEER
NJ LIC. NO. 24G04851000
NJ AUTH. NO. 24GA26120100
MCE PROJECT #23146

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL. MAMPF RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MAMPF VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC

mmpf
architects

Manders Merighi Portadin Farrell Architects, LLC
1138 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856 696 9155 | f. 856 696 9080 | www.mmpfa.com

David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-13008
Peter W. Farrell AIA AI-13618

Project
**VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATION**
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing
MECHANICAL FOURTH FLOOR PLANS - DEMOLITION

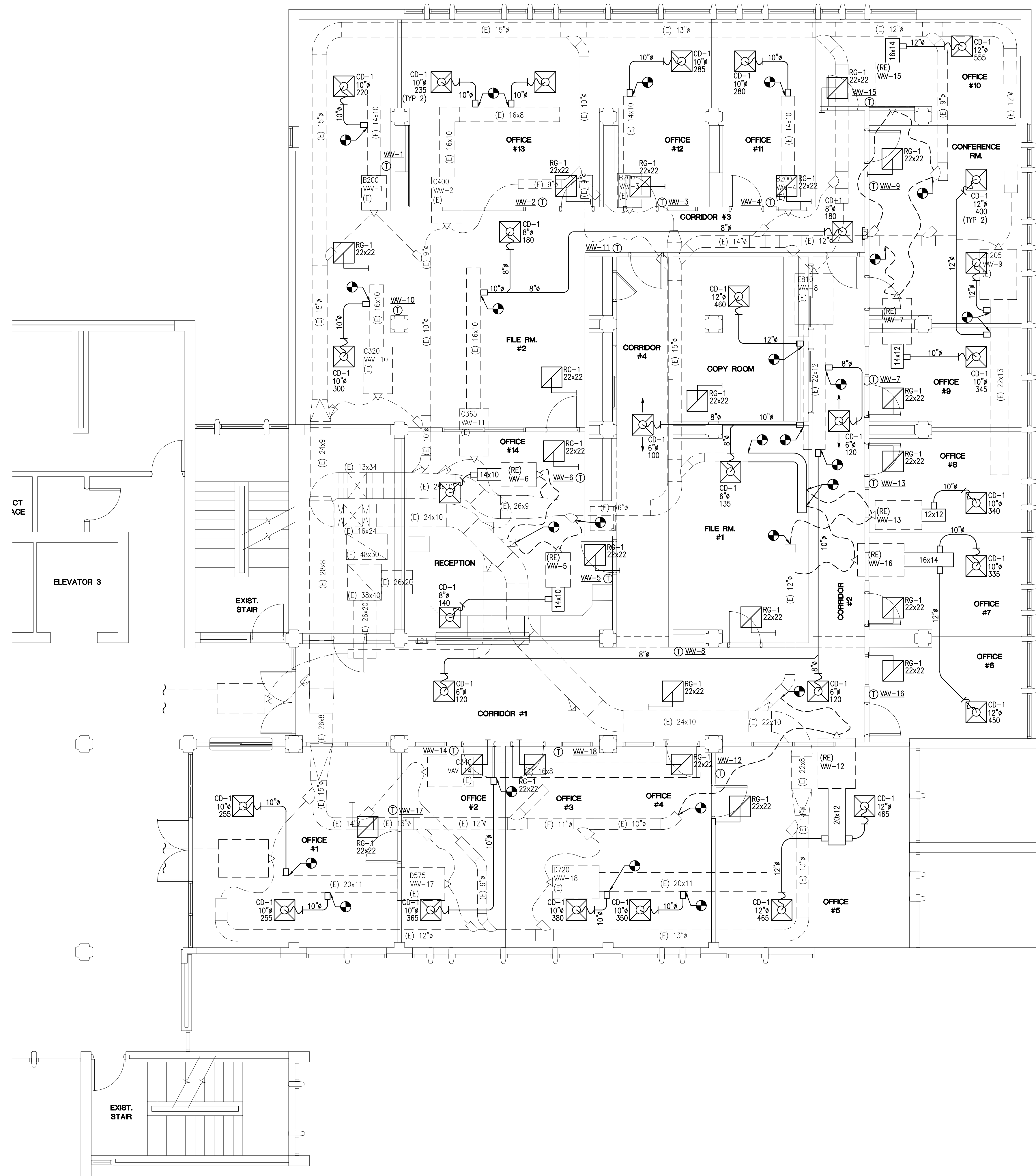
Scale AS NOTED Job 22.099 Sheet **M1.0**

Drawn HF Date 01/23/24 2 of 6

DRAWING NOTES:

- DRAWINGS ARE DIAGRAMMATIC. PROVIDE ADDITIONAL OFFSETS, TRANSITIONS, ETC. AS REQUIRED TO AVOID INTERFERENCES ENCOUNTERED.
- CONTRACTOR SHALL PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCES AND ACCESS TO ALL EQUIPMENT. COORDINATE LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS.
- SPACE ABOVE CEILING IS VERY LIMITED. COORDINATE WITH ALL TRADES FOR DUCTWORK ROUTING PRIOR TO FABRICATION AND INSTALLATION.

Revisions		
No.	Date	Description



01 MECHANICAL FOURTH FLOOR PLANS – HVAC & PIPING
SCALE: 3/16" = 1'-0"



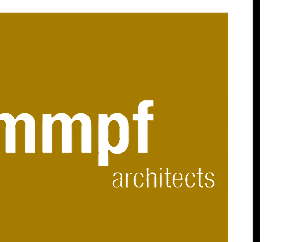
KEY PLAN
SCALE: 1/32" = 1'-0"

ISSUED FOR BID, NOT FOR CONSTRUCTION 01/23/2024

MOORE

CONSULTING ENGINEERS, LLC
457 Oakshade Road Shrewsbury, NJ 08088
Tel: (609) 268-0500 Fax: (609) 268-0500
JEFFREY A. MOORE, PE
PROFESSIONAL ENGINEER
NJ LIC. NO. 24G0481000
NJ AUTH. NO. 24GA26120100
MCE PROJECT #23146

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL. MAMPF RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MAMPF VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC



Manders Merighi Portadin Farrell Architects, LLC
1138 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856 696 9155 | f. 856 696 9080 | www.mmpfa.com

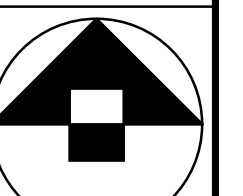
David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-13608
Peter W. Farrell AIA AI-13618

Project

**VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATION**
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing

MECHANICAL FOURTH FLOOR PLANS - HVAC & PIPING



Scale

AS NOTED

Job

22.099

Sheet

M2.0

Drawn

HF

Date

01/23/24

3 of 6

AIR DEVICE SCHEDULE NOTE: NOT ALL DEVICES MAY BE USED ON PROJECT.

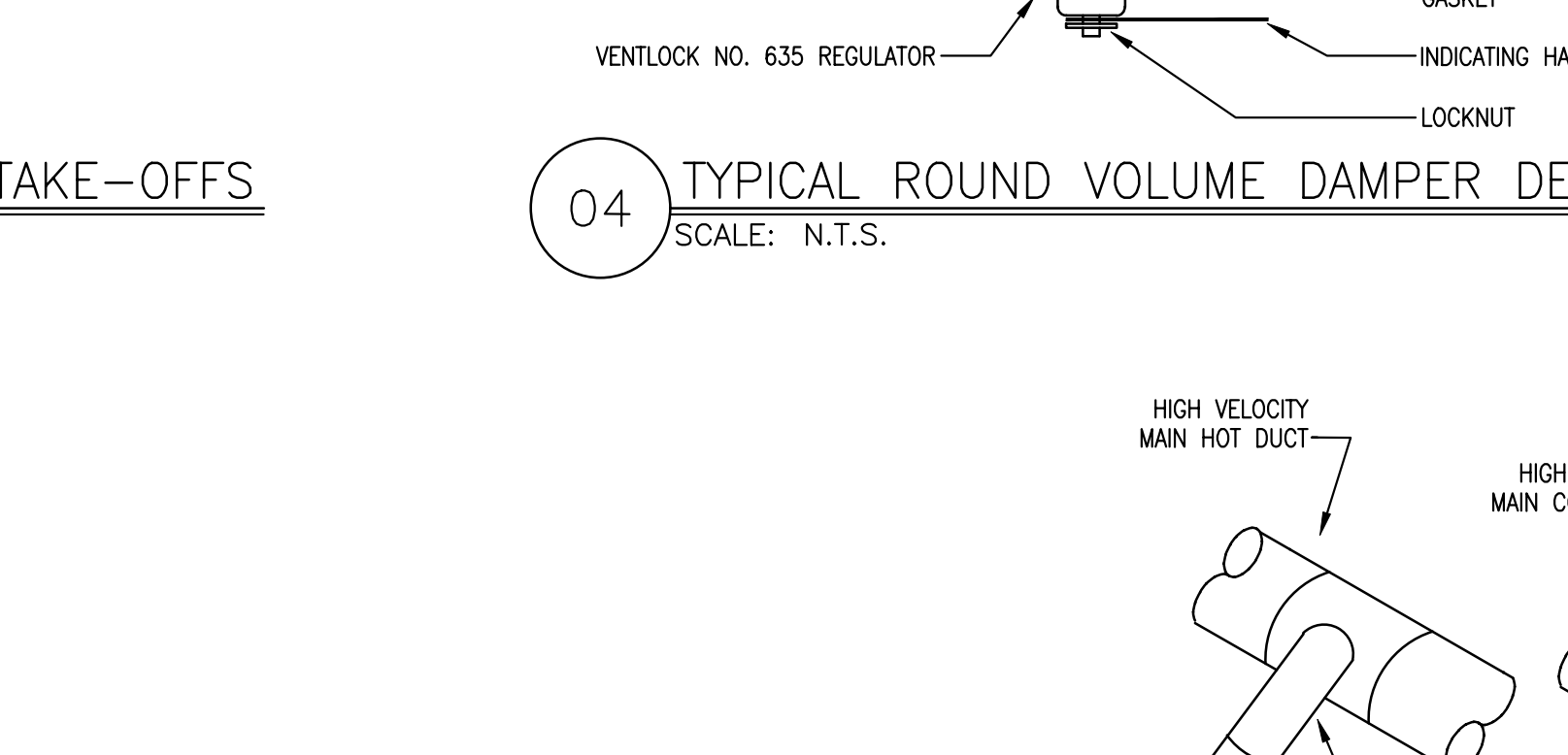
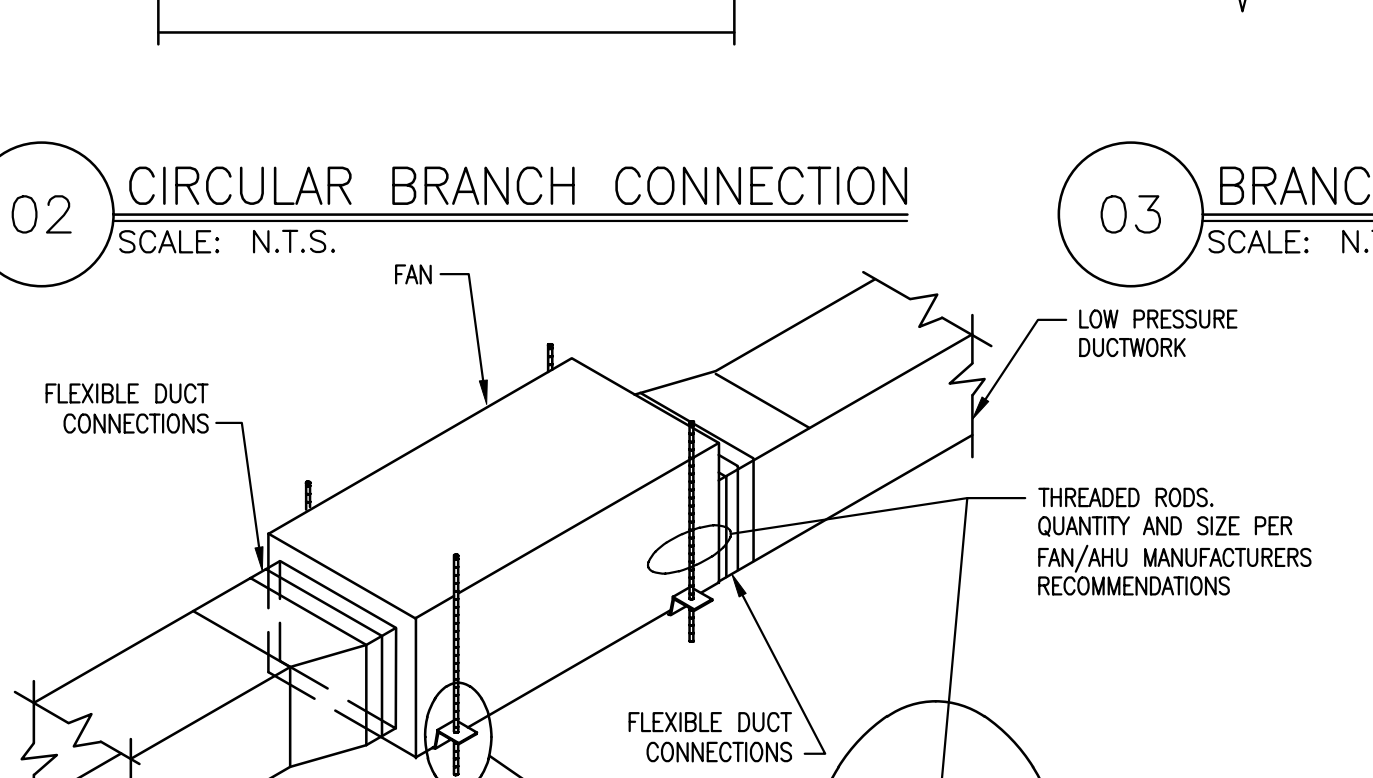
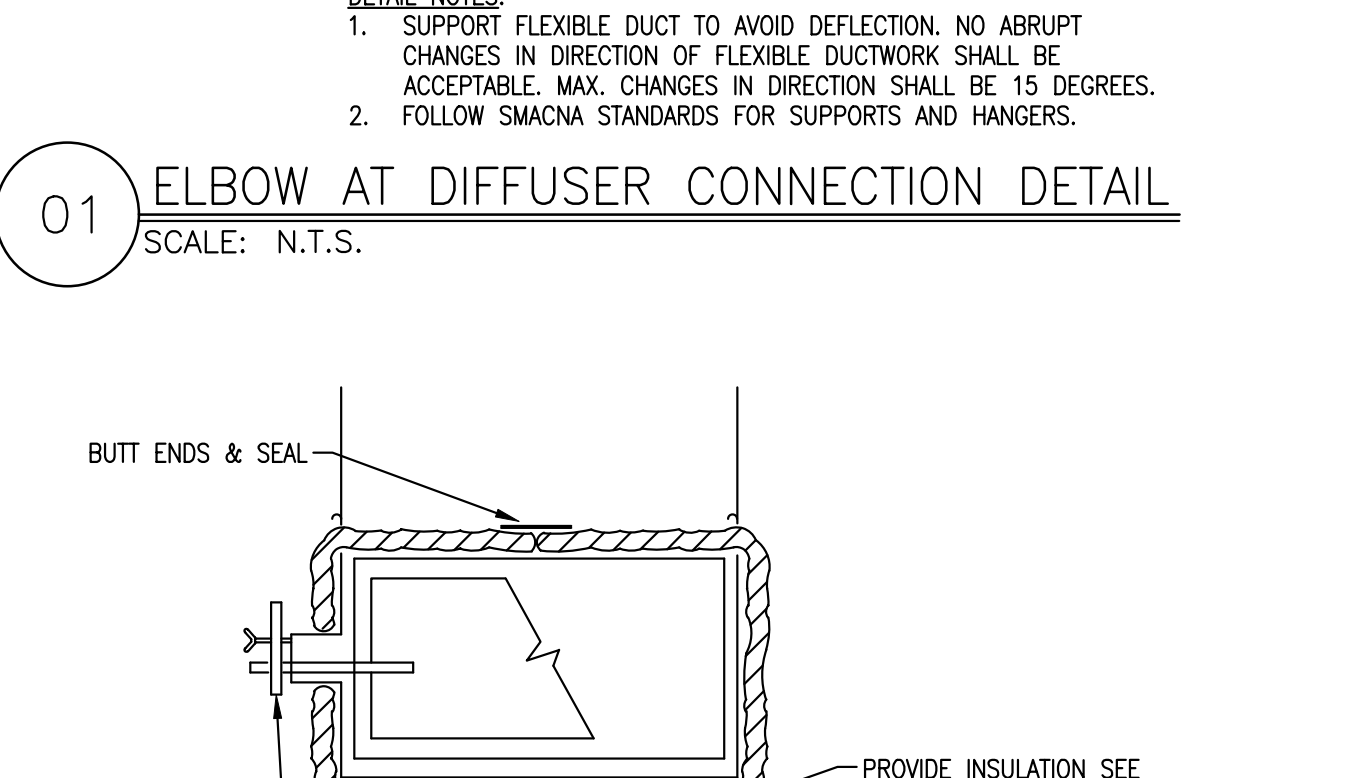
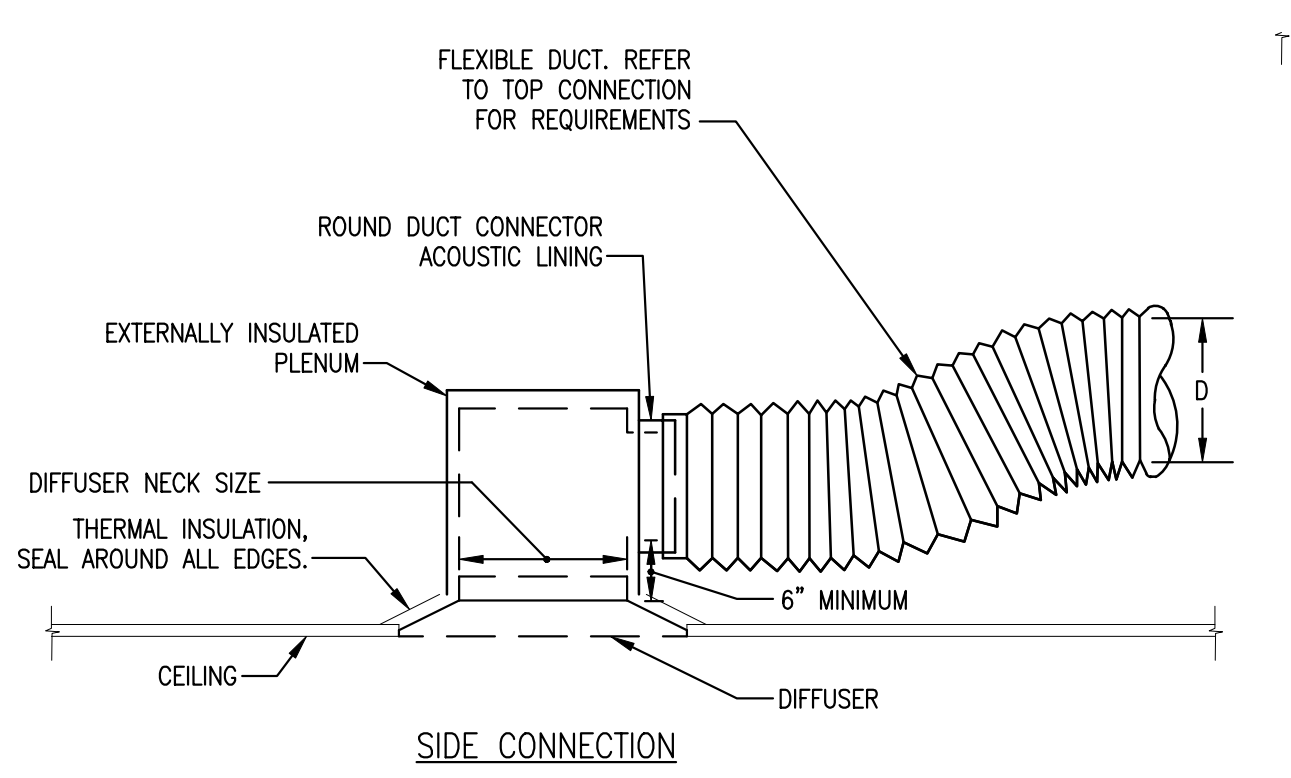
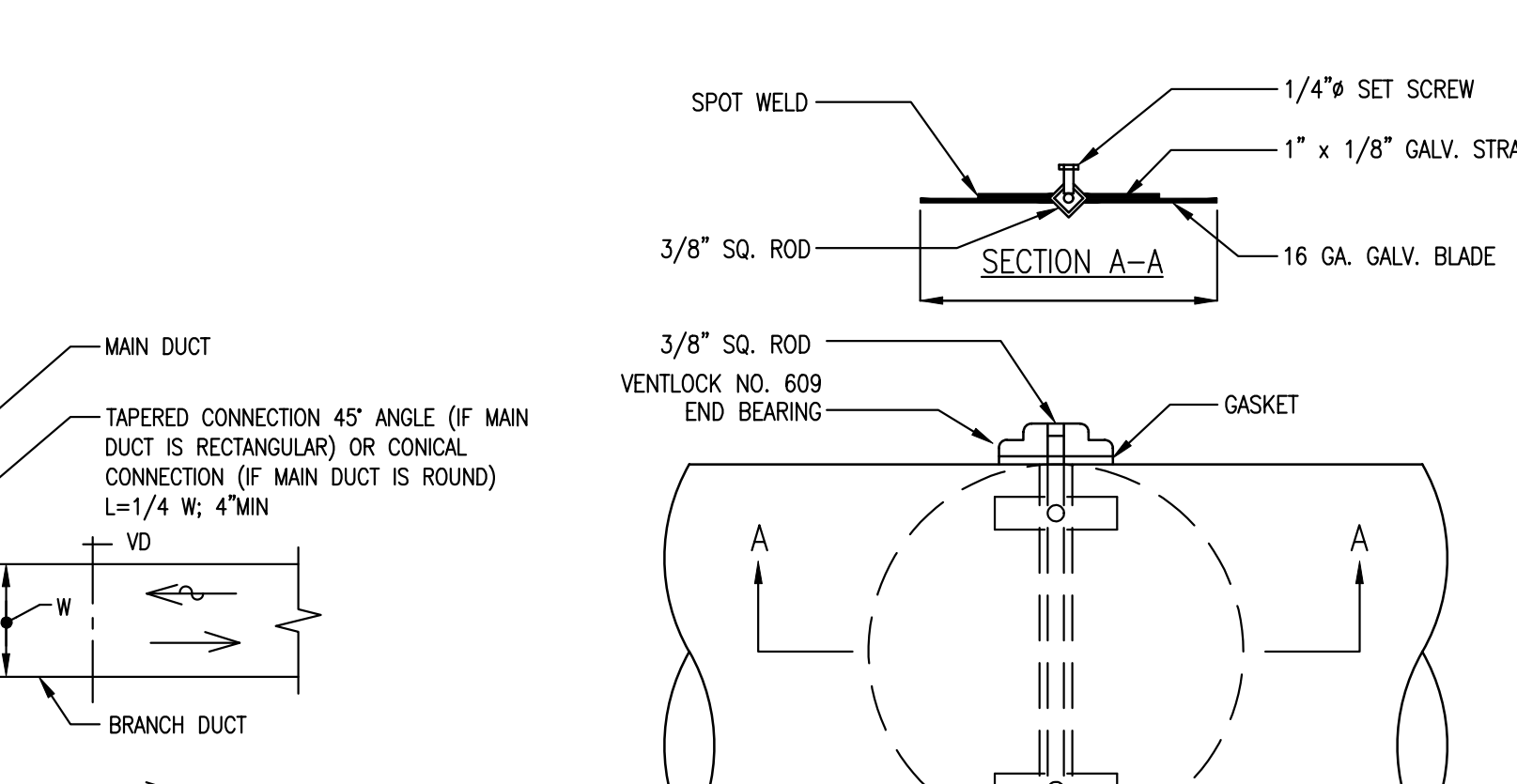
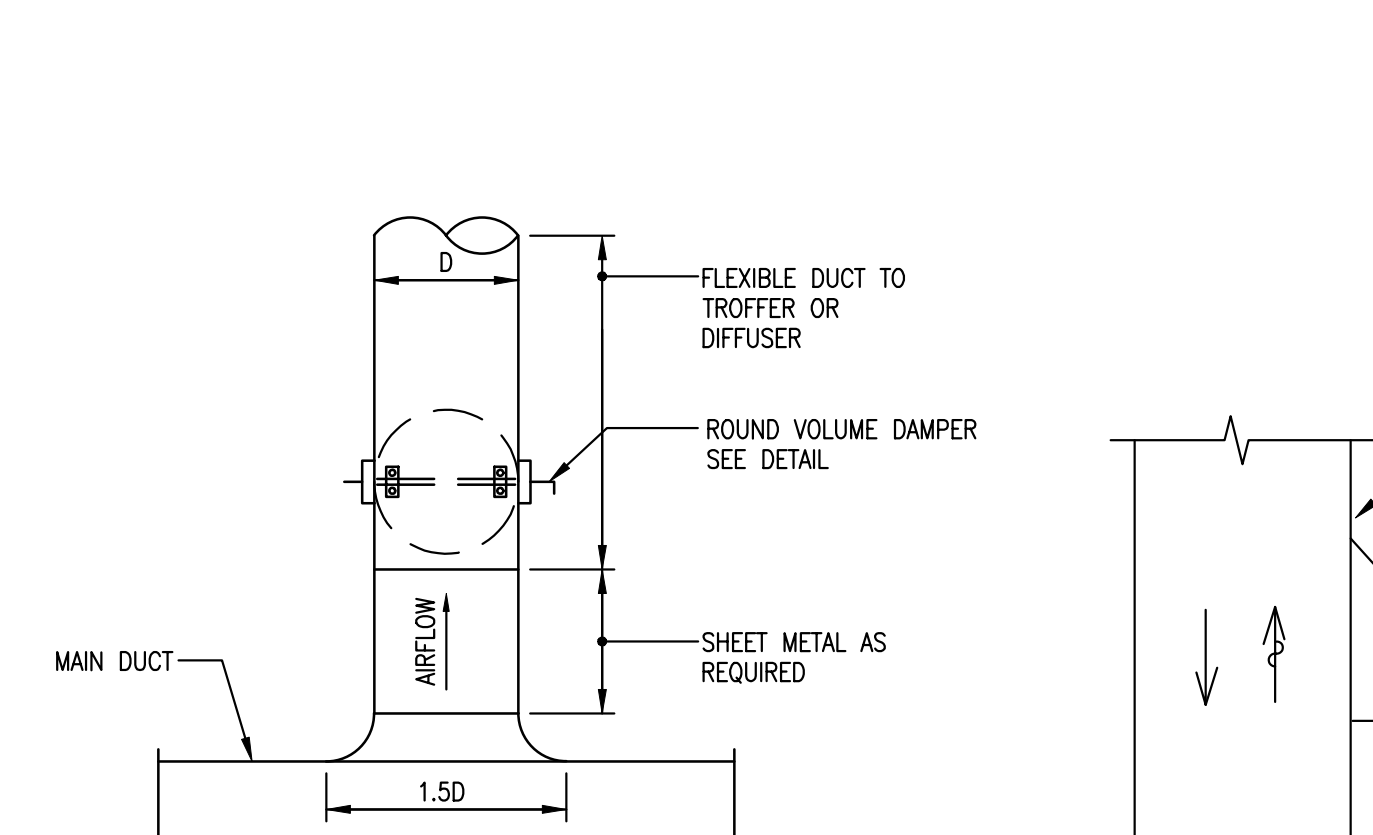
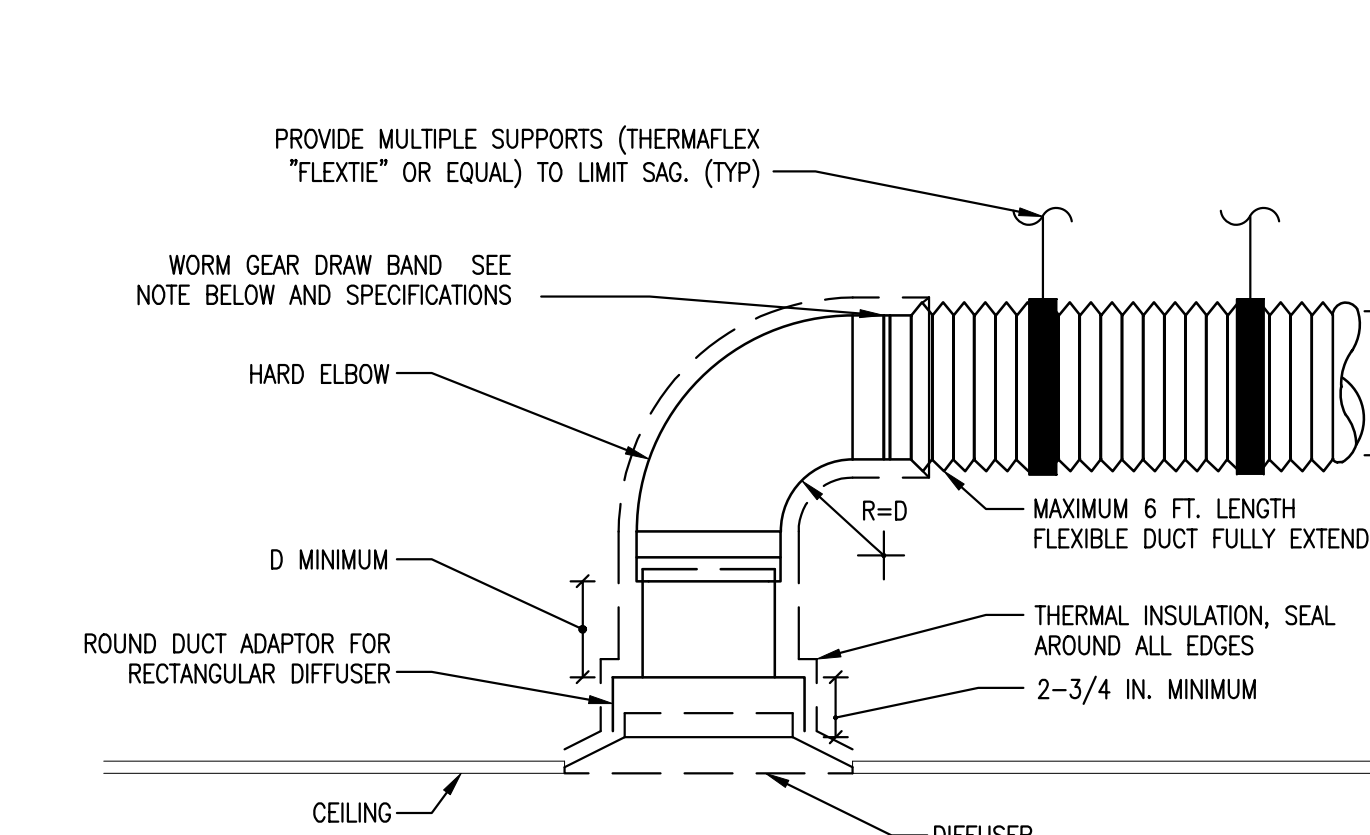
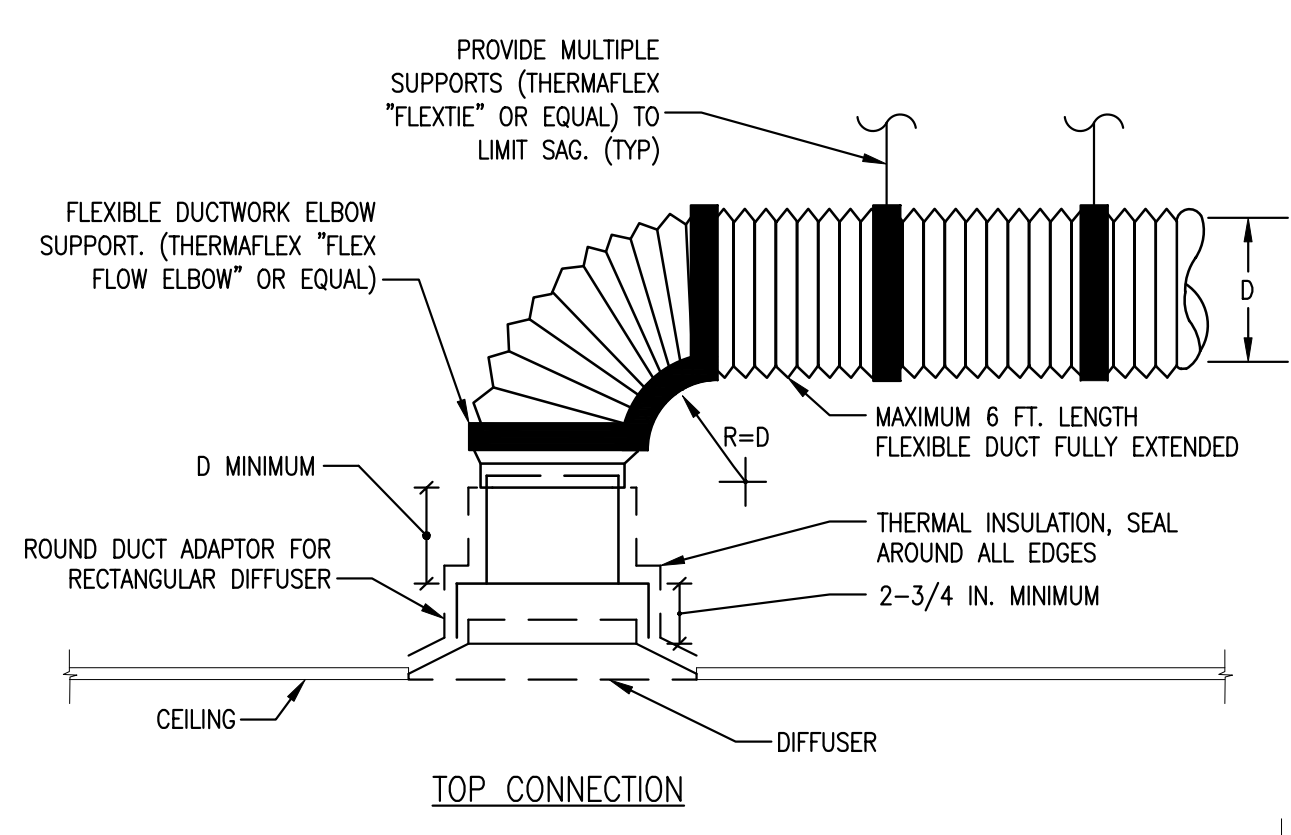
TAG	FLOW PATTERN	SUPPLY
CD-1	4-WAY (UNLESS NOTED OTHERWISE)	24x24 FACE CEILING DIFFUSER EQUAL TO TITUS MODEL OMNI, STEEL CONSTRUCTION, FIXED DISCHARGE, PATTERN OPTION A4, 4-WAY (UNLESS NOTED ON PLANS), BORDER TYPE 1 (SURFACE MOUNT) OR BORDER TYPE 3 (LAY-IN) AS REQUIRED, OPPOSED BLADE DAMPER, NECK SIZE AS INDICATED ON DRAWINGS. PROVIDE WITH INSULATED BLANKET (R-6 MIN.). COLOR BY ARCHITECT.
CD-2	4-WAY (UNLESS NOTED OTHERWISE)	12x12 FACE CEILING DIFFUSER EQUAL TO TITUS MODEL OMNI, STEEL CONSTRUCTION, FIXED DISCHARGE, PATTERN OPTION A4, 4-WAY (UNLESS NOTED ON PLANS), BORDER TYPE 1 (SURFACE MOUNT) OR BORDER TYPE 3 (LAY-IN) AS REQUIRED, OPPOSED BLADE DAMPER, NECK SIZE AS INDICATED ON DRAWINGS. PROVIDE WITH INSULATED BLANKET (R-6 MIN.). COLOR BY ARCHITECT.
RETURN		
RG-1	SEE PLANS	24x24 RETURN GRILLE EQUAL TO TITUS MODEL PAR, STEEL CONSTRUCTION, PERFORATED FACE WITH 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS, HEAVY GAUGE STEEL BACKPAN, NECK SIZE AS INDICATED ON DRAWINGS. COLOR BY ARCHITECT.
TRANSFER GRILLE		
TC-1	N/A	TRANSFER GRILLE EQUAL TO HART & COOLEY MODEL 672, STEEL CONSTRUCTION, ROLL-FRAMED STEEL BORDER AND BLADES, OPPOSED BLADE DAMPER. COLOR BY ARCHITECT.

- NOTES/ACCESSORIES:**
- FINISH/COLOR OF ALL DIFFUSERS SHALL BE DETERMINED BY OWNER/ARCHITECT.
 - PROVIDE 4-WAY THROW UNLESS NOTED (ARROWS) ON PLANS.
 - MAXIMUM PRESSURE DROP FOR SUPPLY AIR DIFFUSERS SHALL BE 0.10" W.G.
 - MECHANICAL CONTRACTOR SHALL COORDINATE BORDER TYPES WITH CEILING AND WALL CONSTRUCTION. REFER TO ARCH. REFLECTED CEILING PLAN. COORDINATE WITH GENERAL CONTRACTOR.
 - OPPOSED BLADE DAMPERS MAY BE OMITTED WHERE VOLUME DAMPERS ARE PROVIDED AT BRANCH RUNOUTS.
 - DRAWING SYMBOL INFORMATION:
- TAG
 NECK SIZE
 CFM

EXISTING DUAL DUCT VAV BOX SCHEDULE

TAG	BASIS OF DESIGN MANUF.	MODEL NO.	INLET SIZE COLD/HOT	OUTLET SIZE	CFM EXISTING/NEW	REMARKS
(E) VAV-1	BUENSOD	B200	6/6	12X5	200/220	ALL
(E) VAV-2	BUENSOD	C400	7/7	15X6	400/470	ALL
(E) VAV-3	BUENSOD	B200	6/6	12X5	200/285	ALL
(E) VAV-4	BUENSOD	B200	6/6	12X5	200/280	ALL
(ERR) VAV-5	BUENSOD	B200	6/6	12X5	200/140	ALL
(ERR) VAV-6	BUENSOD	B280	6/6	12X5	280/130	ALL
(ERR) VAV-7	BUENSOD	C420	7/7	15X6	420/345	ALL
(E) VAV-8	BUENSOD	EB10	10/10	20X10	810/1055	ALL
(E) VAV-9	BUENSOD	E1205	10/10	20X10	1205/900	ALL
(E) VAV-10	BUENSOD	C320	7/7	15X6	320/300	ALL
(E) VAV-11	BUENSOD	C365	7/7	15X6	365/360	ALL
(ERR) VAV-12	BUENSOD	E960	10/10	20X10	960/930	ALL
(ERR) VAV-13	BUENSOD	C340	7/7	15X6	340/340	ALL
(E) VAV-14	BUENSOD	C340	7/7	15X6	340/365	ALL
(ERR) VAV-15	BUENSOD	D550	8/8	18X8	550/555	ALL
(ERR) VAV-16	BUENSOD	D700	8/8	18X8	700/785	ALL
(E) VAV-17	BUENSOD	D575	8/8	18X8	575/510	ALL
(E) VAV-18	BUENSOD	D720	8/8	18X8	720/730	ALL

- NOTES/ACCESSORIES:**
- EXISTING TERMINAL UNITS ARE PRESSURE DEPENDENT WITH PNEUMATIC CONTROLS.
 - CLEAN AND REFURBISH ALL UNITS PRIOR TO STARTING ANY NEW WORK ON THE SYSTEM. CHECK ALL CONTROLS. REPORT ANY DAMAGE OR OPERATION ISSUES TO ARCHITECT AND ENGINEER.
 - COORDINATE LEFT HAND OR RIGHT HAND CONTROLS LOCATION WITH FINAL LAYOUT COORDINATED WITH ALL TRADES.
 - PROVIDE A UNIT PRICE (PER TERMINAL UNIT) FOR RETROFIT/REPLACEMENT OF EXISTING CONSTANT VOLUME REGULATORS.
 - PROVIDE A UNIT PRICE (PER TERMINAL UNIT) TO REPLACE EXISTING DUAL DUCT TERMINAL UNITS WITH NEW SIMILAR TO TITUS PEDV.



- DETAIL NOTES:**
- SUPPORT FLEXIBLE DUCT TO AVOID DEFLECTION. NO ABRUPT CHANGES IN DIRECTION OF FLEXIBLE DUCTWORK SHALL BE ACCEPTABLE. MAX. CHANGES IN DIRECTION SHALL BE 15 DEGREES.
 - FOLLOW SMACNA STANDARDS FOR SUPPORTS AND HANGERS.
 - SIDE CONNECTION WITH HARD DUCT SIMILAR FOR RETURN.

- DETAIL NOTES:**
- FOR HANGING DUCT, TRAPEZE DUCT OR STRAP HANGER AROUND DUCT COMPLETELY. DO NOT USE ANY SCREWS, BECAUSE THEY INTERFERE WITH DAMPER BLADE(S).

- DETAIL NOTES:**
- PROVIDE SUPPORT STEEL CHANNELS FOR UNITS SUPPORTED FROM OVER-HEAD JOISTS. COORDINATE SUPPORTS WITH ARCHITECT AND ENGINEER.
 - REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS AND OPERATING WEIGHTS.
 - PROVIDE SIZE THREADED RODS, QUANTITY OF RODS, AND VIBRATION ISOLATORS AS RECOMMENDED BY EQUIPMENT MANUFACTURER.

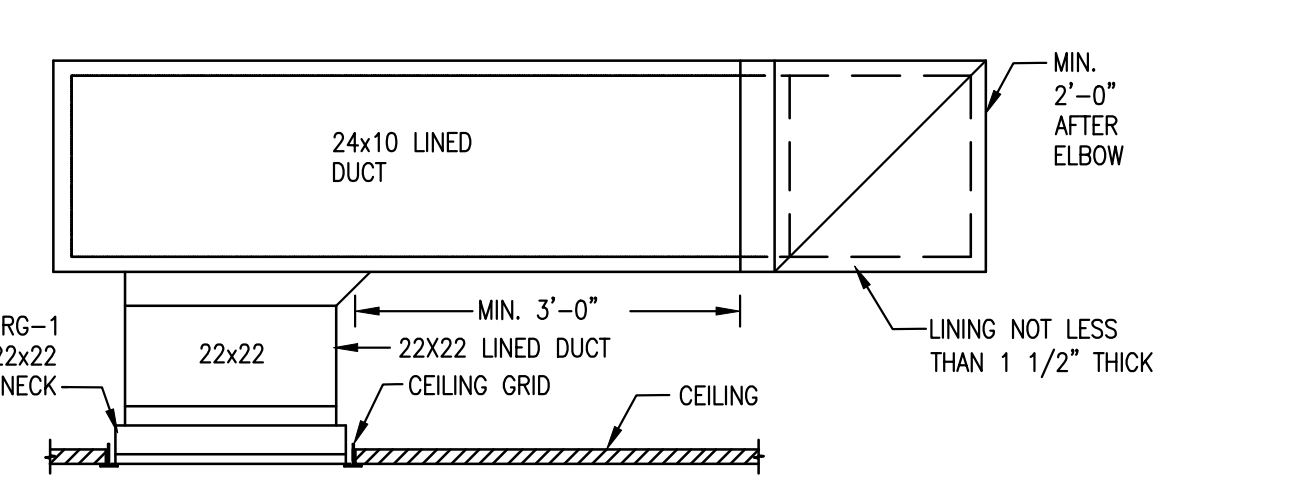
- DETAIL NOTES:**
- PROVIDE EXPANSION ANCHORS FOR UNITS SUPPORTED FROM CONCRETE CEILING.
 - PROVIDE SUPPORT CHANNELS FOR UNITS IN PLASTERED CEILING OR LAY-IN CEILING AREAS FOR SUPPORT FROM JOISTS ABOVE.
 - REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS AND OPERATING WEIGHTS.
 - PROVIDE SIZE THREADED RODS AND VIBRATION ISOLATORS AS RECOMMENDED BY VAV UNIT MANUFACTURER (MIN SIZE: 1/2").

05 DIFFUSER CONNECTION DETAILS
SCALE: N.T.S.

06 TYPICAL DUCT INSULATION & SUPPORTS NEAR VOLUME DAMPER DETAIL
SCALE: N.T.S.

07 FAN/AC MOUNTING DETAIL
SCALE: N.T.S.

08 VAV UNIT MOUNTING DETAIL
SCALE: N.T.S.



09 TRANSFER DUCT DETAIL
SCALE: N.T.S.

ISSUED FOR BID, NOT FOR CONSTRUCTION 01/23/2024

Revisions

No.	Date	Description

TAG	FLOW PATTERN	SUPPLY
CD-1	4-WAY (UNLESS NOTED OTHERWISE)	24x24 FACE CEILING DIFFUSER EQUAL TO TITUS MODEL OMNI, STEEL CONSTRUCTION, FIXED DISCHARGE, PATTERN OPTION A4, 4-WAY (UNLESS NOTED ON PLANS), BORDER TYPE 1 (SURFACE MOUNT) OR BORDER TYPE 3 (LAY-IN) AS REQUIRED, OPPOSED BLADE DAMPER, NECK SIZE AS INDICATED ON DRAWINGS. PROVIDE WITH INSULATED BLANKET (R-6 MIN.). COLOR BY ARCHITECT.
CD-2	4-WAY (UNLESS NOTED OTHERWISE)	12x12 FACE CEILING DIFFUSER EQUAL TO TITUS MODEL OMNI, STEEL CONSTRUCTION, FIXED DISCHARGE, PATTERN OPTION A4, 4-WAY (UNLESS NOTED ON PLANS), BORDER TYPE 1 (SURFACE MOUNT) OR BORDER TYPE 3 (LAY-IN) AS REQUIRED, OPPOSED BLADE DAMPER, NECK SIZE AS INDICATED ON DRAWINGS. PROVIDE WITH INSULATED BLANKET (R-6 MIN.). COLOR BY ARCHITECT.
RETURN		
RG-1	SEE PLANS	24x24 RETURN GRILLE EQUAL TO TITUS MODEL PAR, STEEL CONSTRUCTION, PERFORATED FACE WITH 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS, HEAVY GAUGE STEEL BACKPAN, NECK SIZE AS INDICATED ON DRAWINGS. COLOR BY ARCHITECT.
TRANSFER GRILLE		
TC-1	N/A	TRANSFER GRILLE EQUAL TO HART & COOLEY MODEL 672, STEEL CONSTRUCTION, ROLL-FRAMED STEEL BORDER AND BLADES, OPPOSED BLADE DAMPER. COLOR BY ARCHITECT.

MOORE
CONSULTING ENGINEERS, LLC
457 Oakshade Road Shamong, NJ 08088
Tel: (609) 268-0500 Fax: (609) 268-0509
JEFFREY A. MOORE, PE
PROFESSIONAL ENGINEER
NJ LIC. NO. 24GE0481000
NJ AUTH. NO. 24GA026120100
MCE PROJECT #23146

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL. MMFP RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MMFP VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC

mmpf architects
Manders Merighi Portadin Farrell Architects, LLC
1138 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856.696.9155 | f. 856.696.9080 | www.mmpf.com
David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-19008
Peter W. Farrell AIA AI-19018

Project
VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATION
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing
MECHANICAL SCHEDULES
& DETAILS

Scale AS NOTED Job 22.099 Sheet **M3.0**
Drawn HF Date 01/23/24 4 of 6

Revisions		
No.	Date	Description

- 2) 1 IN. IN 8 FT. MINIMUM.
- D. SWING CHECK VALVES: AT CONDENSATE PUMP DISCHARGE. 300 LB WOG, BRONZE BODY SOLDER ENDS, REGRIND BRONZE DISC TO BE USED WITH COPPER TUBING. JENKINS FIG. 1222.
- 16. MOTORS
 - A. MOTORS (UNDER HVAC WORK): IN ACCORDANCE WITH NEMA, IEEE AND ANSI C 50 STANDARDS.
 - 1) STANDARD EFFICIENCY UNLESS OTHERWISE NOTED.
 - 2) 1.15 SERVICE FACTOR.
 - 3) SQUIRREL CAGE INDUCTION; OPEN DRIP-PROOF TYPE, 1750 RPM, NEMA TYPE B INSULATION CLASS AND CONTINUOUS DUTY, EXCEPT AS NOTED.
- 17. MOTOR CONTROLLERS
 - A. PROVIDED BY HVAC CONTRACTOR AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.
 - B. NEMA ENCLOSURE, WEATHERPROOF WHERE MOUNTED OUTDOORS.
 - C. WITH OVERLOAD PROTECTION. COORDINATE ALL MOTOR CONTROLLER TYPES AND SIZES WITH MOTOR TYPES AND SIZES.
 - D. 1/3 HP AND SMALLER: PROVIDE MANUAL STARTER EXCEPT USE MAGNETIC TYPE WHERE AUTOMATICALLY CONTROLLED.
 - 1) MANUAL TYPE: 2-POLE TOGGLE SWITCH WITH OVERLOAD PROTECTION AND PILOT LIGHT.
 - E. 1/2 HP AND LARGER: PROVIDE MAGNETIC STARTER.
 - 1) COMBINATION UNFUSED DISCONNECT SWITCH AND MAGNETIC STARTER EXCEPT AS NOTED.
 - 2) OVERLOAD PROTECTION IN EACH PHASE LEG WITH RESET IN ENCLOSURE.
 - 3) HOA SELECTOR SWITCH FOR AUTOMATICALLY OPERATED MOTORS. SAFETY CONTROLS COMMON TO BOTH CONTROLS.
 - 4) RED, GREEN AND AMBER PILOT LIGHTS.
 - 5) SWITCHES: HORSE-POWER-RATED, EXTERNAL PADLOCKING TYPE.
 - 6) HOLDING COILS: 10 WATT, 120 VOLT.
 - 7) CONTACTS: MAIN LINE AND MINIMUM (2) - NORMALLY OPEN, (2) - NORMALLY CLOSED 10 AMP AUXILIARIES, IN ADDITION TO CONTACTS REQUIRED FOR CONTROLS SPECIFIED.
 - 8) CONTROL TRANSFORMER: FOR MOTORS OVER 120 VOLTS, TO STEP DOWN CONTROL VOLTAGE TO 120 VOLTS; OF THE REQUIRED CAPACITY, WITH FUSE AND GROUND CONNECTION ON VOLTAGE SIDE.
 - 9) FUSES: SIMILAR TO BUSSMAN.
 - 10) RELAYS TO SUPPLEMENT AUXILIARY CONTACTS IN CONTROLLER. MINIMUM 10-WATT COIL AND TWO 10 AMP CONTACTS.
 - 11) TERMINALS: SUITABLE FOR CONDUCTORS NOTED AND AS APPROVED.
 - F. ACCEPTABLE MANUFACTURERS
 - 1) CUTLER-HAMMER.
 - 2) SQUARE D.
 - 3) ALLEN BRADLEY.
- 18. EQUIPMENT
 - A. FANS
 - 1) CABINET FANS SHALL HAVE ACOUSTICALLY INSULATED GALVANIZED STEEL FAN HOUSING, DIRECT DRIVEN CENTRIFUGAL FAN (S), INTERNAL VIBRATION ISOLATION, INTEGRAL LOUVERED FACE GRILLE WITH LIGHT, AND OUTLET DUCT CONNECTION WITH SELF-ACTING BACKDRAFT DAMPER. PROVIDE WALL VENTS OR ROOF CAPS AS REQUIRED ON PLANS. FANS SHALL BE SIMILAR TO GREENCHECK SP.
 - B. SINGLE/DUAL DUCT TERMINAL UNITS
 - 1) FURNISH AND INSTALL DUAL DUCT, VARIABLE AIR VOLUME TERMINALS OF THE SIZES AND CAPACITIES SHOWN IN THE PLANS.
 - 2) TERMINALS SHOULD BE CERTIFIED UNDER THE ARI STANDARD 880 CERTIFICATION PROGRAM AND CARRY THE ARI SEAL. NONCERTIFIED TERMINALS MAY BE SUBMITTED AFTER TESTING AT AN INDEPENDENT TESTING LABORATORY UNDER CONDITIONS SELECTED BY THE ENGINEERING CONSULTANT IN FULL COMPLIANCE WITH ARI STANDARD 880. THESE TESTS MUST BE WITNESSED BY THE ENGINEERING CONSULTANT WITH ALL COSTS TO BE BORNE BY THE TERMINAL MANUFACTURER. TESTING DOES NOT ENSURE ACCEPTANCE.
 - 3) THE TERMINAL CASING SHALL BE MINIMUM 22-GAUGE GALVANIZED STEEL, INTERNALLY LINED WITH ENGINEERED POLYMER FOAM INSULATION WHICH COMPLIES TO UL91 AND NFPA 90A. INSULATION SHALL BE 1# POUND DENSITY, CLOSED CELL FOAM. EXPOSED FIBERGLASS IS NOT ACCEPTABLE. THE INSULATION SHALL BE MECHANICALLY FASTENED TO THE UNIT CASING. THE CASING SHALL BE CONSTRUCTED TO HOLD LEAKAGE TO THE MAXIMUM VALUES SHOWN IN THE CASING LEAKAGE TABLE.
 - 4) COOLING AND HEATING INLETS SHALL HAVE SEPARATE DAMPER ASSEMBLIES FOR COMPLETE PRESSURE INDEPENDENT CONTROL OF EACH AIRSTREAM FOR VARIABLE OR CONSTANT VOLUME TOTAL DISCHARGE APPLICATIONS. TERMINALS WITH INLET DAMPERS MECHANICALLY INTERCONNECTED ARE NOT ACCEPTABLE. THE DAMPERS SHALL BE HEAVY GAUGE STEEL WITH SOLID SHAFT ROTATING IN DELRIN SELF-LUBRICATING BEARINGS. NYLON BEARINGS ARE NOT ACCEPTABLE. SHAFT SHALL BE CLEARLY MARKED ON THE END TO INDICATE DAMPER POSITION. STICKERS OR OTHER REMOVABLE MARKINGS ARE NOT ACCEPTABLE. THE DAMPER SHALL INCORPORATE A MECHANICAL STOP TO PREVENT OVERSTROKING AND A SYNTHETIC SEAL TO LIMIT CLOSE-OFF LEAKAGE TO THE MAXIMUM VALUES SHOWN IN THE DAMPER LEAKAGE TABLE.
 - 5) ACTUATORS SHALL BE CAPABLE OF SUPPLYING AT LEAST 35 INCHES PER POUND OF TORQUE TO THE DAMPER SHAFT AND SHALL BE MOUNTED EXTERNALLY FOR SERVICE ACCESS. TERMINALS WITH INTERNAL ACTUATOR MOUNTING OR LINKAGE CONNECTION MUST INCLUDE CASKED ACCESS PANEL, REMOVABLE WITHOUT DISTURBING DUCTWORK. CASING WITH ACCESS PANEL SHALL BE CONSTRUCTED TO HOLD LEAKAGE TO THE MAXIMUM VALUES SHOWN IN THE CASING LEAKAGE TABLE.
 - 6) SOUND RATINGS FOR THE TERMINAL SHALL NOT EXCEED 16 NC AT 1 INCH STATIC PRESSURE. SOUND PERFORMANCE SHALL BE ARI CERTIFIED.
- 19. AUTOMATIC CONTROLS - GENERAL REQUIREMENTS
 - A. FURNISH AND INSTALL A COMPLETE ELECTRIC OR ELECTRONIC CONTROL SYSTEM TO PROVIDE TEMPERATURE CONTROL AS SPECIFIED UNDER DESCRIPTION OF OPERATION.
 - B. WORK SHALL INCLUDE ALL WIRING, CONTROL EQUIPMENT, AND ACCESSORIES NECESSARY TO MAKE THIS SYSTEM COMPLETE. ALL WIRING SHALL BE 24 VOLT. COORDINATE WITH MANUFACTURER FOR INTERCONNECTION WITH CONTROLS INCLUDED IN EQUIPMENT. ALL CONTROL WORK SHALL BE INSTALLED BY THE HVAC CONTRACTOR.
 - C. ACCEPTABLE MANUFACTURERS
 - 1) JOHNSON CONTROLS.
 - 2) HONEYWELL, INC.
 - 3) OR APPROVED EQUAL.
 - D. OPERATION OF TYPICAL CONTROL SAFETY DEVICES.
 - 1) EXHAUST FANS, SUCH AS GENERAL OR TOILET (OPERATING INDEPENDENTLY): ALL SAFETY DEVICES SHALL BE INTERLOCKED WITH "HAND" AND "AUTOMATIC"

POSITIONS IN SERIES WITH MOTOR CONTROLLER HOLDING COIL CIRCUIT. REMOTE STARTING SHALL BE THROUGH AUTOMATIC POSITION ONLY. "HAND" POSITION SHALL BE FOR MAINTENANCE OPERATION ONLY.

2) SAFETY DEVICES FOR ALL SYSTEMS, EXCEPT AS OTHERWISE NOTED BELOW.

- a. ONE FREEZE PROTECTION THERMOSTAT PER COIL SECTION, WIRED TO STOP SUPPLY FAN. THERMOSTAT SHALL BE AUTOMATIC RESET TYPE.
- b. FOR SYSTEMS OVER 2,000 CFM, A DUCT MOUNTED SMOKE DETECTOR OF THE IONIZATION TYPE LOCATED IN THE RETURN DUCT SHALL STOP THE SUPPLY FAN AND ASSOCIATED INTERLOCKED EQUIPMENT SHOULD PRODUCTS OF COMBUSTION BE SENSED.

E. SEQUENCE

- 1) CONSTANT VOLUME SYSTEM
 - a. A 7/24 PROGRAMMABLE THERMOSTAT SHALL BE CAPABLE OF RUNNING THE UNIT AT BOTH OCCUPIED AND UNOCCUPIED MODES. WHILE IN OCCUPIED MODE, THE FAN SHALL RUN CONTINUOUSLY. IN UNOCCUPIED MODE, THE FAN SHALL CYCLE AS REQUIRED TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.


ISSUED FOR BID, NOT FOR CONSTRUCTION 01/23/2024

MOORE
CONSULTING ENGINEERS, LLC

457 Oakshade Road Shrewsbury, NJ 08088
Tel: (609) 268-0500 Fax: (609) 268-0500
JEFFREY A. MOORE, PE
PROFESSIONAL ENGINEER
NJ LIC. NO. 24GE0481000
NJ AUTH. NO. 24GA26120100
MCE PROJECT #23146

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF MANDERS MERIGHI PORTADIN FARRELL. MMFP RETAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF MMFP VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.

© 2017, MANDERS MERIGHI PORTADIN FARRELL ARCHITECTS, LLC

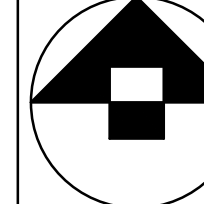


Manders Merighi Portadin Farrell Architects, LLC
1138 East Chestnut Avenue | Vineland, New Jersey 08360
p. 856.696.9155 | f. 856.696.9080 | www.mmfp.com

David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-19008
Peter W. Farrell AIA AI-19618

Project

**VINELAND CITY HALL
4TH FLOOR OFFICE
RENOVATION**
640 E. WOOD ST.
VINELAND, NJ 08360

Drawing		
MECHANICAL SPECIFICATIONS		
Scale	Job	Sheet
AS NOTED	22.099	M4.1
Drawn	Date	6 of 6
HF	01/23/24	