

DEMOLITION PLAN - BASE BID

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

ALTERNATE No. 1

IN AREA SHOWN, REMOVE EXISTING WALL CONSTRUCTION, INCLUDING DOORS, FRAMES AND WINDOWS, TANKS, CONCRETE PADS, PVC PIPING, ETC AS REQUIRED AND AS SHOWN. INFILL AREA OF TANKS WITH CRUSHED STONE, COMPACT AND PROVIDE A NEW 4" CONC. S.O.G. W/ 6x6 10/10 W/IF OVER 10 MIL POLY VAPOR BARRIER, NEW SLAB TO ALIGN W/ EXISTING.

KEYNOTES:

- 1) REMOVE EXISTING OVERHEAD COILING DOOR COMPLETE AND TURN OVER TO OWNER FOR FUTURE RELOCATION. SEE ALTERNATE NO. 3 FOR ADDITIONAL INFORMATION.
- 2) REMOVE EXISTING TRENCH DRAIN; SEE PLUMBING DWGS. FOR ADDITIONAL INFORMATION.
- 3) REMOVE EXISTING FLOOR DRAIN; SEE PLUMBING DWGS. FOR ADDITIONAL INFORMATION.
- 4) REMOVE EXISTING OVERHEAD CRANE/RAIL SYSTEM COMPLETE AND TURN OVER TO OWNER/STORE IN BLDG AS DIRECTED BY OWNER.
- 5) REMOVE EXISTING CONDENSING UNIT, CONC. PAD AND BOLLARDS COMPLETE. SEE MECH. DWGS. FOR ADDITIONAL INFORMATION. RESTORE GRADE/ PROVIDE FILL AS REQ'D.
- 6) REMOVE EXISTING DOOR, FRAME AND HARDWARE COMPLETE; REMOVE EXIST CONC. WALK IN AREA OF DOOR AS SHOWN.
- 7) REMOVE EXISTING WALL CONSTRUCTION AS REQUIRED FOR INSTALLATION OF NEW ALUMINUM 4 GLASS ENTRY SYSTEM. EXISTING SIDING TO BE RELOCATED.
- 8) REMOVE EXISTING LOUVER AND INFILL WALL CONSTRUCTION AS REQUIRED OR PROVIDE NEW DOOR OPENING; SEE FLOOR PLAN.
- 9) REMOVE EXISTING DOOR, FRAME, HARDWARE AND ADJACENT WALL CONSTRUCTION AS REQUIRED FOR INSTALLATION OF NEW DOOR AND SIDELITE.
- 10) REMOVE EXISTING WELL TANK AND ALL ASSOCIATED CONSTRUCTION COMPLETE. SEE MEP DRAWINGS FOR ADDITIONAL INFORMATION.
- 11) REMOVE EXISTING WALL CONSTRUCTION AS REQUIRED FOR INSTALLATION OF NEW WINDOW UNIT.
- 12) REMOVE EXISTING WALL MTD HVAC UNIT COMPLETE AND PATCH WALL CONSTRUCTION TO MATCH EXISTING. SEE MECH. DWGS. FOR ADDITIONAL INFORMATION.
- 13) REMOVE PVC PIPE FLUSH W/ EXIST CONC. SLAB ON GRADE; INFILL PIPE OPENING AS REQUIRED FOR INSTALLATION OF FLOOR LEVELING COMPOUND. SEE PLUMBING DWGS. FOR ADDITIONAL INFORMATION. TYPICAL FOR ALL PVC FLOOR PENETRATIONS IN AREA OF WORK NOT DESIGNATED TO REMAIN.
- 14) REMOVE EXISTING TANK COMPLETE; INFILL W/ CRUSHED STONE, COMPACT AND PROVIDE NEW 4" CONC. S.O.G. FLUSH W/ EXIST FLOOR SLAB.
- 15) REMOVE EXISTING DOOR, FRAME AND ALL ASSOCIATED HARDWARE COMPLETE.
- 16) REMOVE EXISTING WALL CONSTRUCTION COMPLETE. PATCH EXISTING CONSTRUCTION DESIGNATED TO REMAIN AS REQUIRED FOR INSTALLATION OF NEW FINISHES.
- 17) REMOVE EXISTING CONC. PAD; PATCH EXISTING CONSTRUCTION AS REQ'D TO MATCH ADJACENT.

DEMOLITION NOTES:

- A) 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.
- B) 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.
- C) 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.
- D) MAINTAIN TEMPORARY PARTITIONS TO PREVENT THE SPREAD OF DUST, ODORS, AND NOISE. PROTECT EXISTING MATERIALS WHICH ARE NOT TO BE DEMOLISHED.
- E) IN AREAS OF DEMOLITION, PATCH, LEVEL, AND INFILL ALL WALL, CEILING AND FLOOR SURFACES AS REQUIRED FOR INSTALLATION OF NEW FINISHES. THIS INCLUDES LEVELING OF ALL FLOORS AND INFILLING OF ANY TRENCHED AREAS.

Revisions		
No.	Date	Description

BUILDING DATA

UCC STATE OF NEW JERSEY - REHABILITATION SUBCODE NJAC 5:23.6, SUBCHAPTER 6 - RECONSTRUCTION
 USE GROUP: B - BUSINESS
 CONSTRUCTION CLASSIFICATION: 5B
 AREA OF RECONSTRUCTION:
 BASE BID: 2,630 SF
 ALTERNATE No. 2: 818 SF
 ALTERNATE No. 3: 2,894 SF
 TOTAL AREA OF RECONSTRUCTION: 6,342 SF

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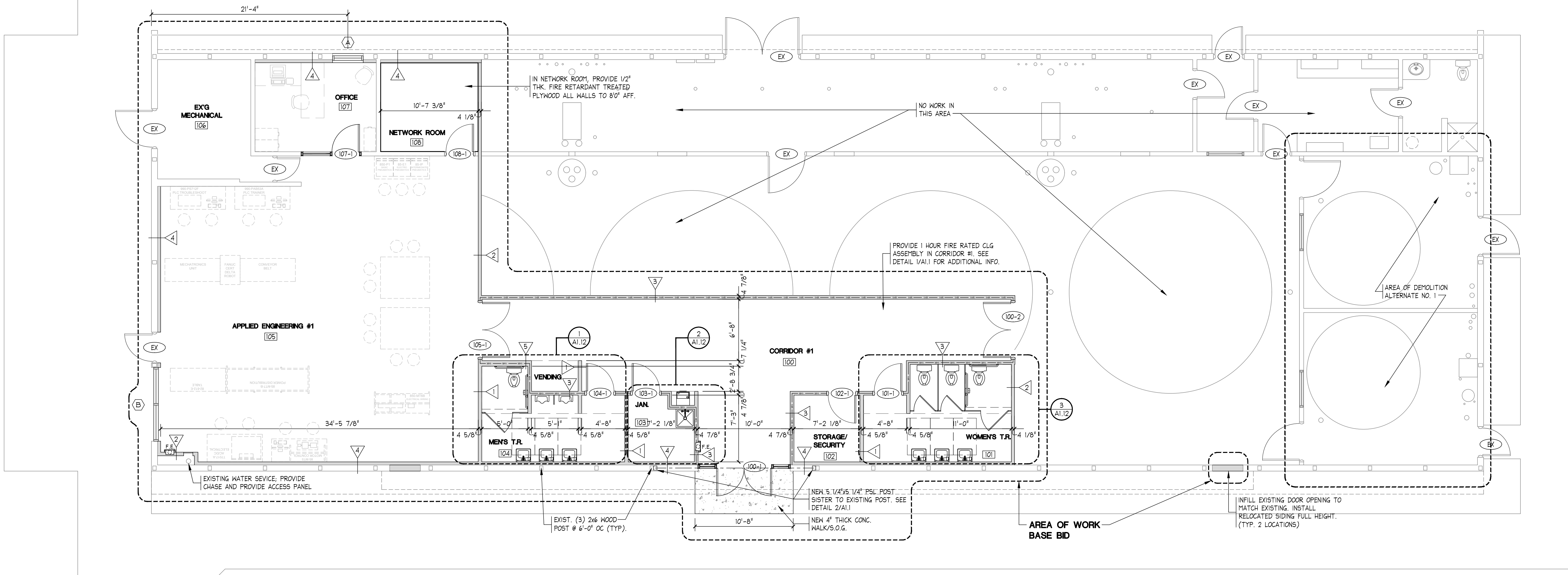
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 Ronald P. Portadin AIA AI-19058
 Peter W. Farrell AIA AI-13618

Project
 RENOVATIONS TO:
ENGINEERING LAB
 CUMBERLAND COUNTY COLLEGE
 3322 COLLEGE DR. VINELAND, NJ 08360

Drawing
 BASE BID DEMOLITION PLAN NOTES

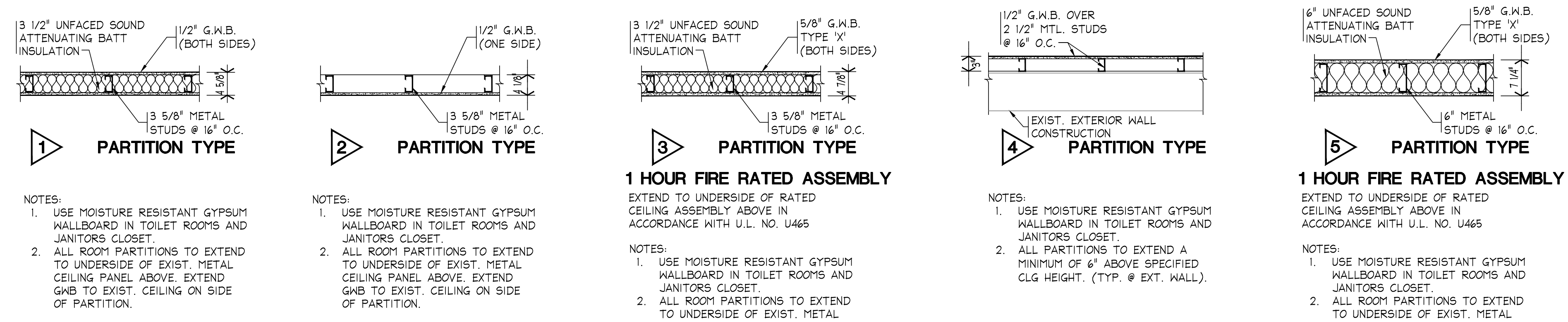
Scale AS NOTED	Job 19002	Sheet A1.0
Drawn MLM	Date 03/18/19	1 of 12

Revisions		
No.	Date	Description

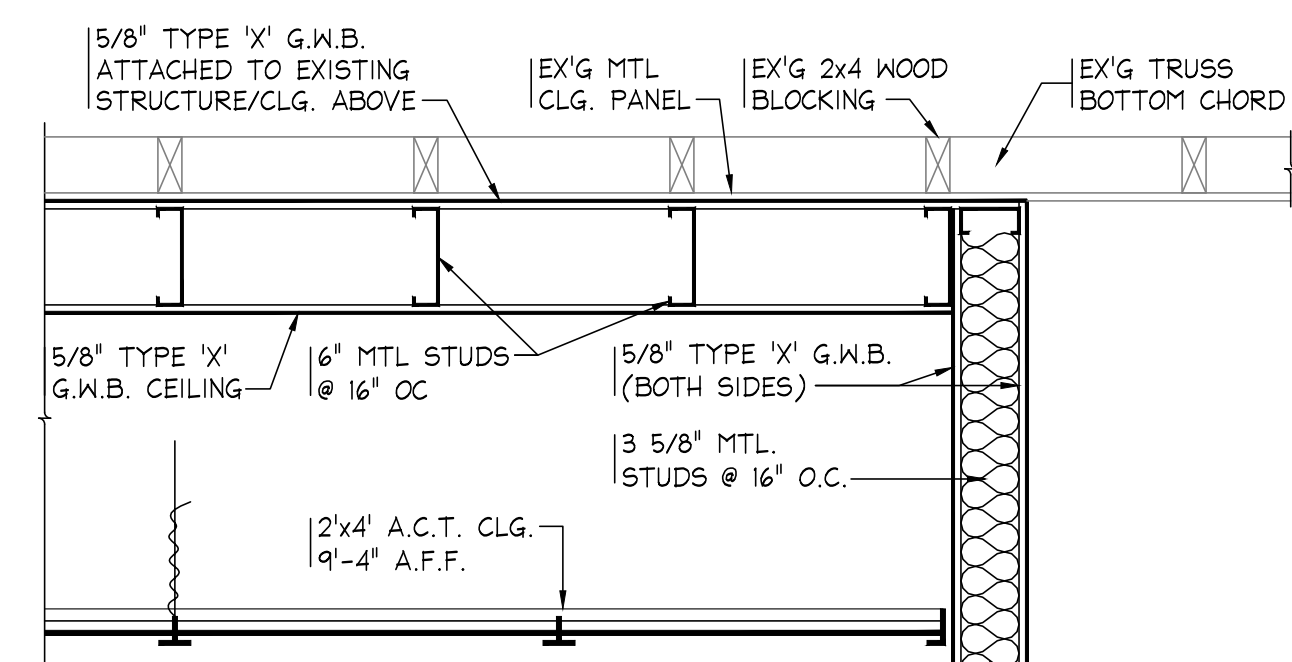


FLOOR PLAN - BASE BID
SCALE: 3/16" = 1'-0"

BASE BID
IN AREA OF WORK, PROVIDE ALL LABOR AND MATERIAL REQUIRED TO CONSTRUCT APPLIED ENGINEER #1, CORRIDOR, TOILET ROOMS, JAN. GLOSET-AND-STORAGE ROOM, INCLUDING BUT NOT LIMITED TO INSTALLATION OF FLOOR LEVELING COMPOUND, PARTITIONS, FLOOR AND WALL FINISHES, CEILING, LIGHTING, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS AND INTERIOR AND EXTERIOR DOORS AND FRAMES. ALSO INCLUDED IN BASE BID IS EXTERIOR WORK INDICATED ON DRAWING A1.9.

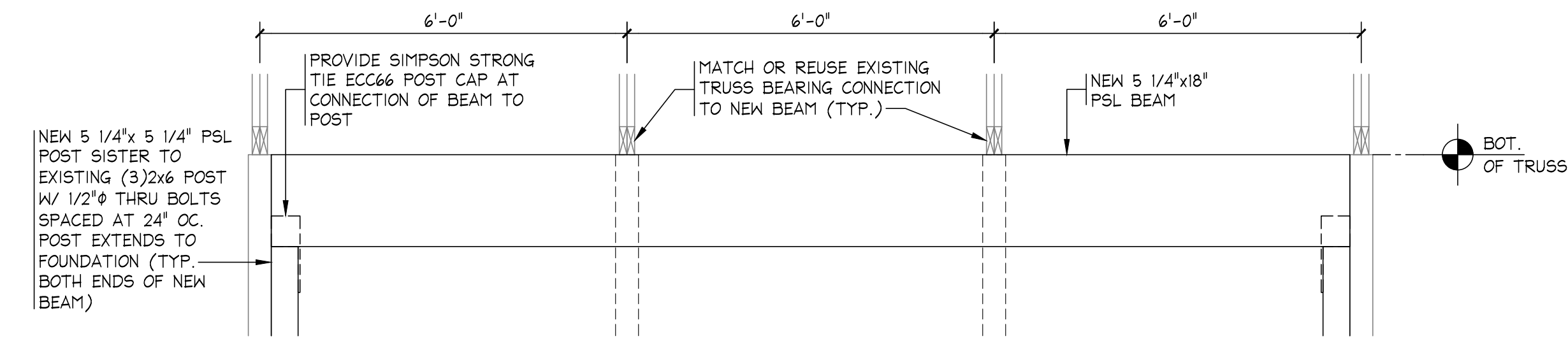


PARTITION TYPES - BASE BID
SCALE: 3/4" = 1'-0"



RATED CEILING/CORRIDOR DETAIL
SCALE: 1" = 1'-0"

1 HOUR FIRE RATED WALL/CLG ASSEMBLY IN ACCORDANCE WITH U.L. DESIGN NO. U465. EXTEND TO UNDERSIDE OF EXISTING METAL PANEL CEILING AND MAINTAIN CONTINUITY AS SHOWN. FILL ALL VOIDS AS REQUIRED. (TYP FOR CORRIDOR #1 - BASE BID AND CORRIDOR #2 - ALTERNATE NO. 2.)



NEW BEAM DETAIL
SCALE: 1/2" = 1'-0"

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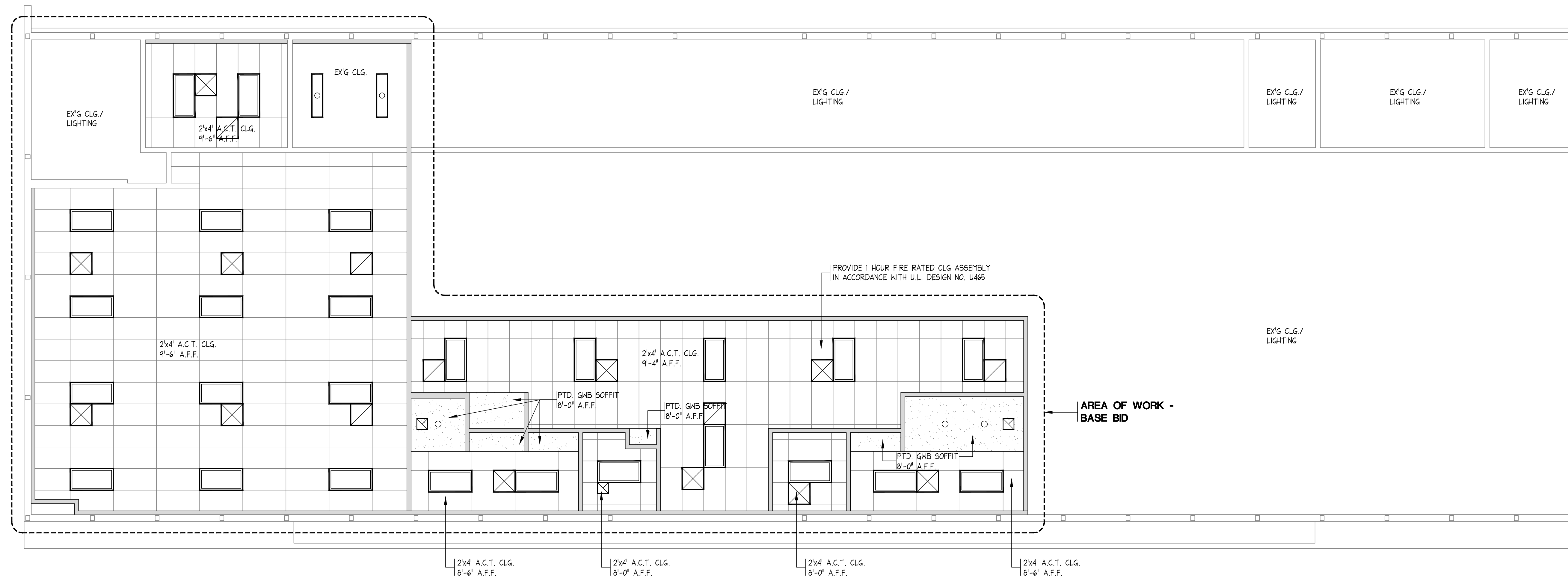
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Drawing
BASE BID FLOOR PLAN,
PARTITION TYPES AND
DETAILS

Scale AS NOTED	Job 19002	Sheet A.11
Drawn MLM	Date 03/18/19	2 of 12



REFLECTED CEILING PLAN - BASE BID

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

NOTES:

- SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON LIGHTING IN AREA OF RENOVATION AND AREAS WHERE EXISTING CEILINGS AND LIGHTING ARE DESIGNATED TO REMAIN.

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Revisions		
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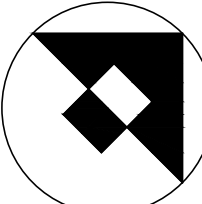


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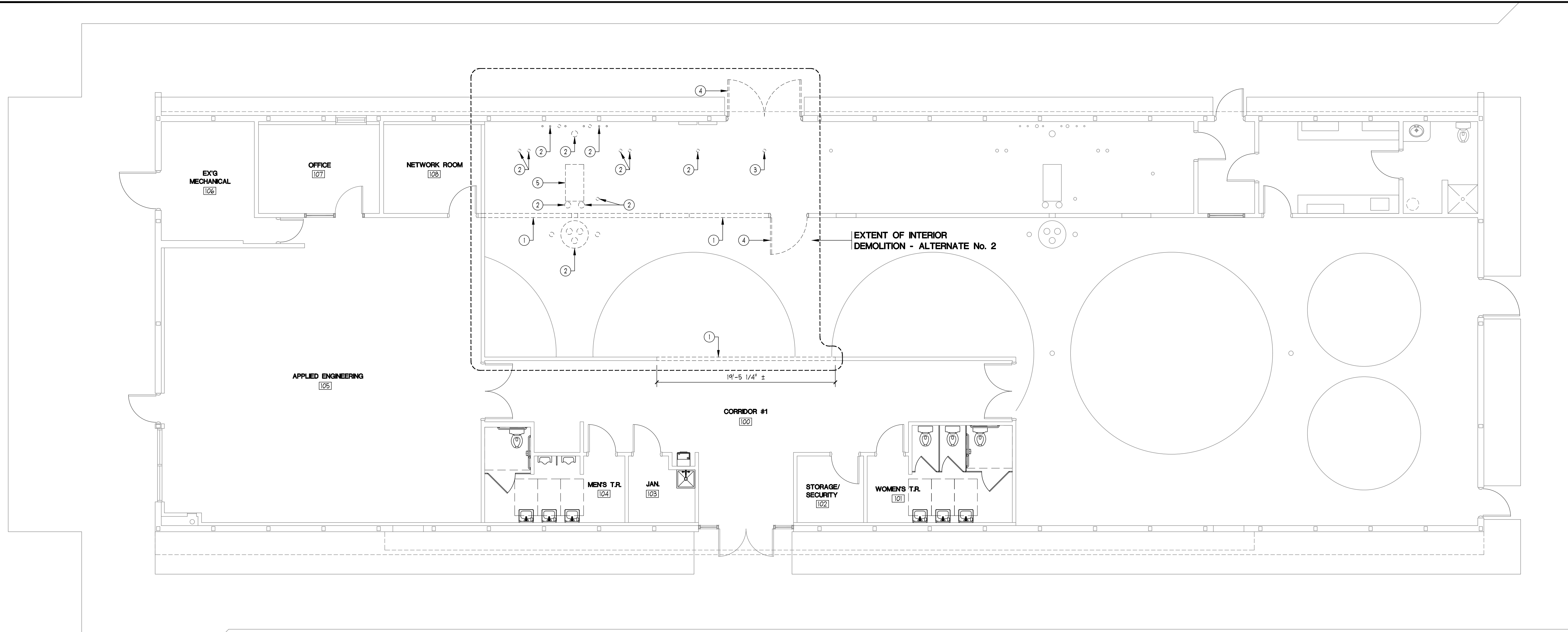
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Drawing
 BASE BID REFLECTED CEILING PLAN



Scale AS NOTED	Job 19002	Sheet A1.2 3 of 12
Drawn MJM	Date 03/18/19	



DEMOLITION PLAN - ALTERNATE No. 2

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

ALTERNATE No. 2

IN DESIGNATED AREA, REMOVE EXISTING WALL CONSTRUCTION, INCLUDING DOORS, FRAMES, WINDOWS AND LOUVERS, CONCRETE PADS, PVC PIPING, ETC AS REQUIRED AND AS INDICATED FOR INSTALLATION OF NEW CONSTRUCTION AS SHOWN ON A1.4

KEYNOTES:

- ① REMOVE EXISTING WALL CONSTRUCTION COMPLETE. PATCH EXIST CONSTRUCTION DESIGNATED TO REMAIN AS REQUIRED FOR INSTALLATION OF NEW FINISHES.
- ② REMOVE EXISTING PVC ENCLOSURE/PIPE FLUSH WITH EXISTING CONCRETE SLAB ON GRADE; INFILL PIPE OPENING AS REQUIRED FOR INSTALLATION OF FLOOR LEVELING COMPOUND. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. TYPICAL FOR ALL PVC FLOOR PENETRATIONS IN AREA OF WORK NOT DESIGNATED TO REMAIN.
- ③ REMOVE EXISTING FLOOR DRAIN; SEE PLUMBING DWGS. FOR ADDITIONAL INFORMATION.
- ④ REMOVE EXISTING DOOR, FRAME AND ALL ASSOCIATED HARDWARE COMPLETE.
- ⑤ REMOVE EXISTING CONC. PAD; PATCH EXISTING CONSTRUCTION AS REQ'D TO MATCH ADJACENT.

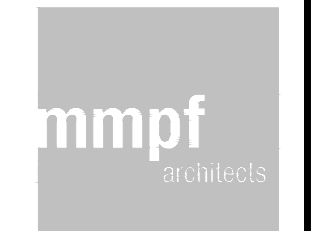
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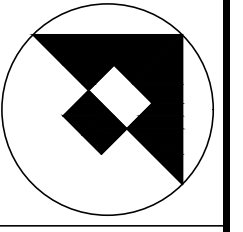
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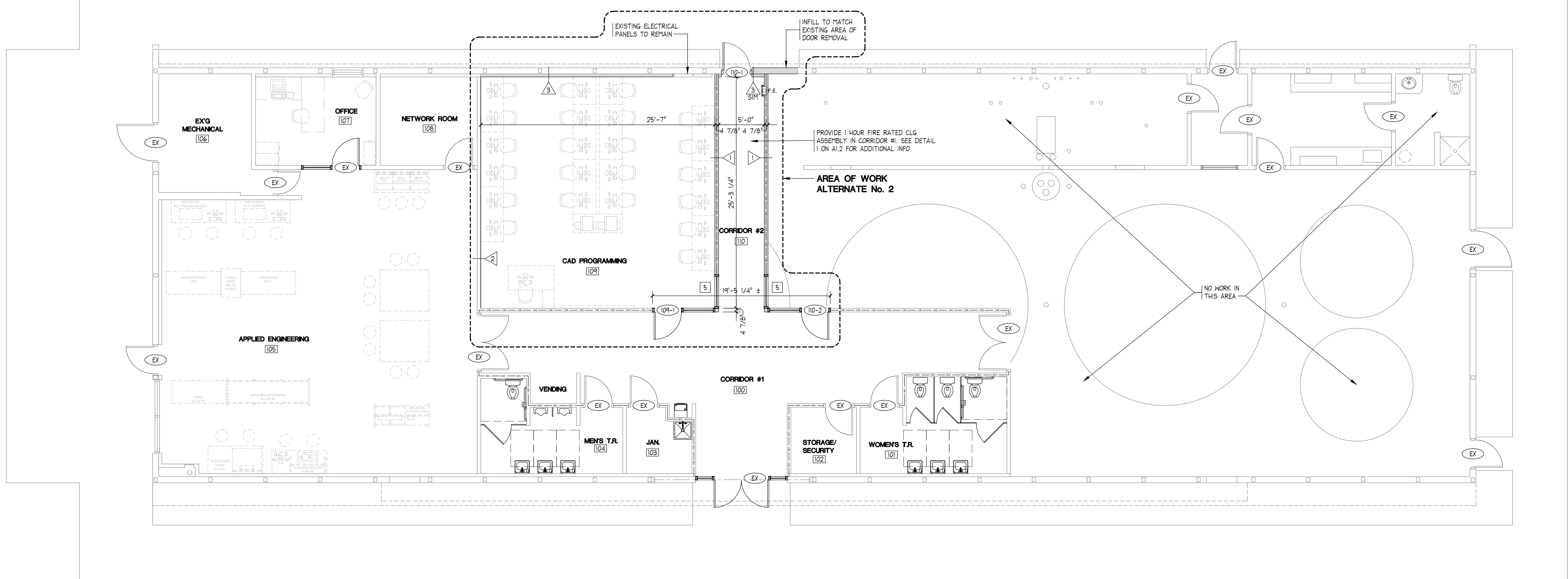
Project
 RENOVATIONS TO:
ENGINEERING LAB
 CUMBERLAND COUNTY COLLEGE
 3322 COLLEGE DR. VINELAND, NJ 08360

Drawing
 ALTERNATE 2
 DEMOLITION PLAN
 NOTES

Scale AS NOTED	Job 19002	Sheet A1.3 4 of 12
Drawn MLM	Date 03/18/19	



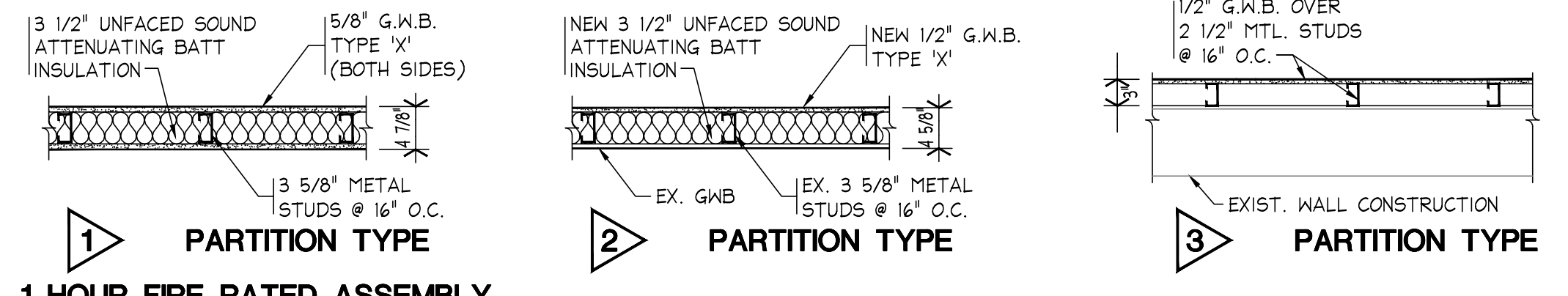
Revisions		
No.	Date	Description



FLOOR PLAN - ALTERNATE No. 2
SCALE: 3/16" = 1'-0"

ALTERNATE No. 2

IN AREA OF WORK, PROVIDE ALL LABOR AND MATERIAL REQUIRED TO CONSTRUCT CAD PROGRAMMING CLASSROOM AND CORRIDOR #2, INCLUDING BUT NOT LIMITED TO INSTALLATION OF FLOOR LEVELING COMPOUND, PARTITIONS, FLOOR AND WALL FINISHES, CEILINGS, LIGHTING, MECHANICAL AND ELECTRICAL SYSTEMS AND INTERIOR AND EXTERIOR DOORS AND FRAMES.



1 HOUR FIRE RATED ASSEMBLY
EXTEND TO UNDERSIDE OF RATED CEILING ASSEMBLY ABOVE IN ACCORDANCE WITH U.L. NO. U465

NOTES:
1. USE MOISTURE RESISTANT GYPSUM WALLBOARD IN TOILET ROOMS AND JANITORS CLOSET.
2. ALL ROOM PARTITIONS TO EXTEND TO UNDERSIDE OF EXIST. METAL CEILING PANEL ABOVE, EXTEND G.W.B. TO EXIST. CEILING ON SIDE OF PARTITION.

NOTES:
1. USE MOISTURE RESISTANT GYPSUM WALLBOARD IN TOILET ROOMS AND JANITORS CLOSET.
2. ALL PARTITIONS TO EXTEND A MINIMUM OF 6" ABOVE SPECIFIED CLG HEIGHT. (TYP. @ EXT. WALL).

PARTITION TYPES

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

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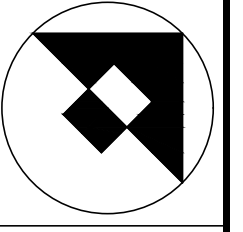
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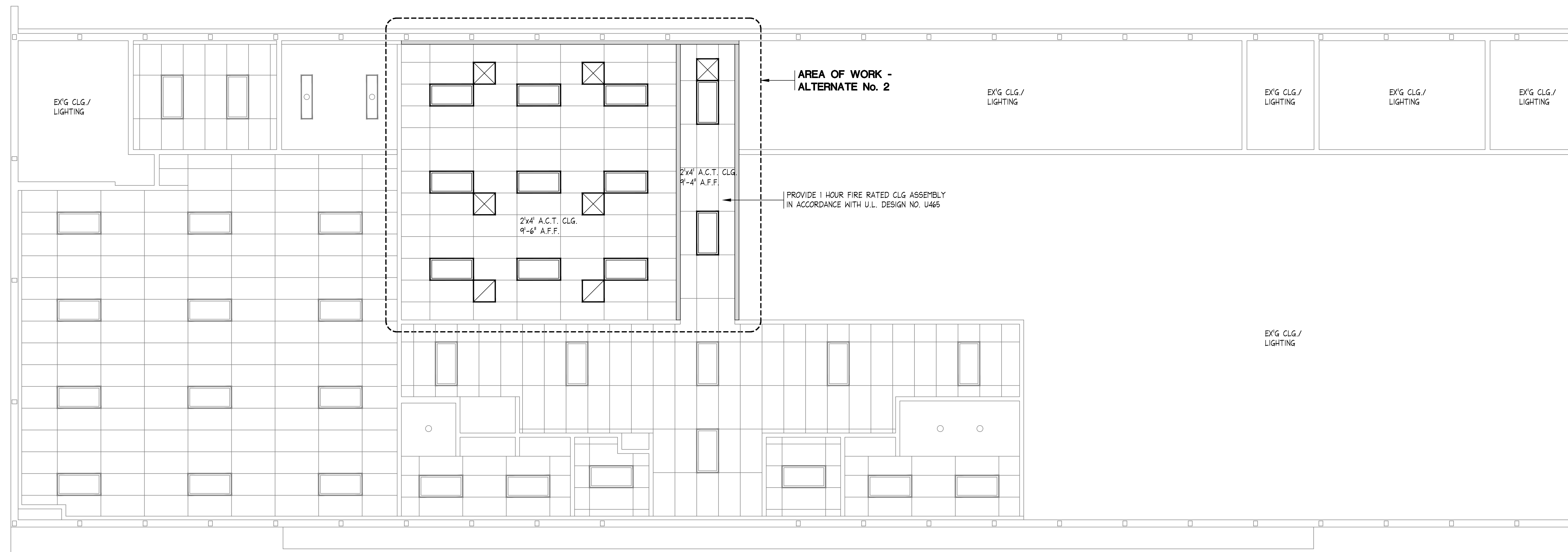
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Project
RENOVATIONS TO:
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Drawing
ALTERNATE 2 FLOOR PLAN AND PARTITION TYPES

Scale AS NOTED	Job 19002	Sheet A1.4
Drawn MLM	Date 03/18/19	5 of 12





REFLECTED CEILING PLAN - ALTERNATE No. 2

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

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NOTES:

- SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON LIGHTING IN AREA OF RENOVATION AND AREAS WHERE EXISTING CEILINGS AND LIGHTING ARE DESIGNATED TO REMAIN.

Revisions		
No.	Date	Description

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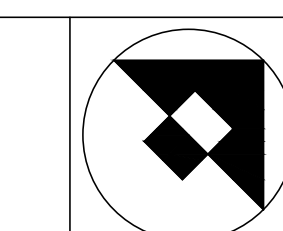


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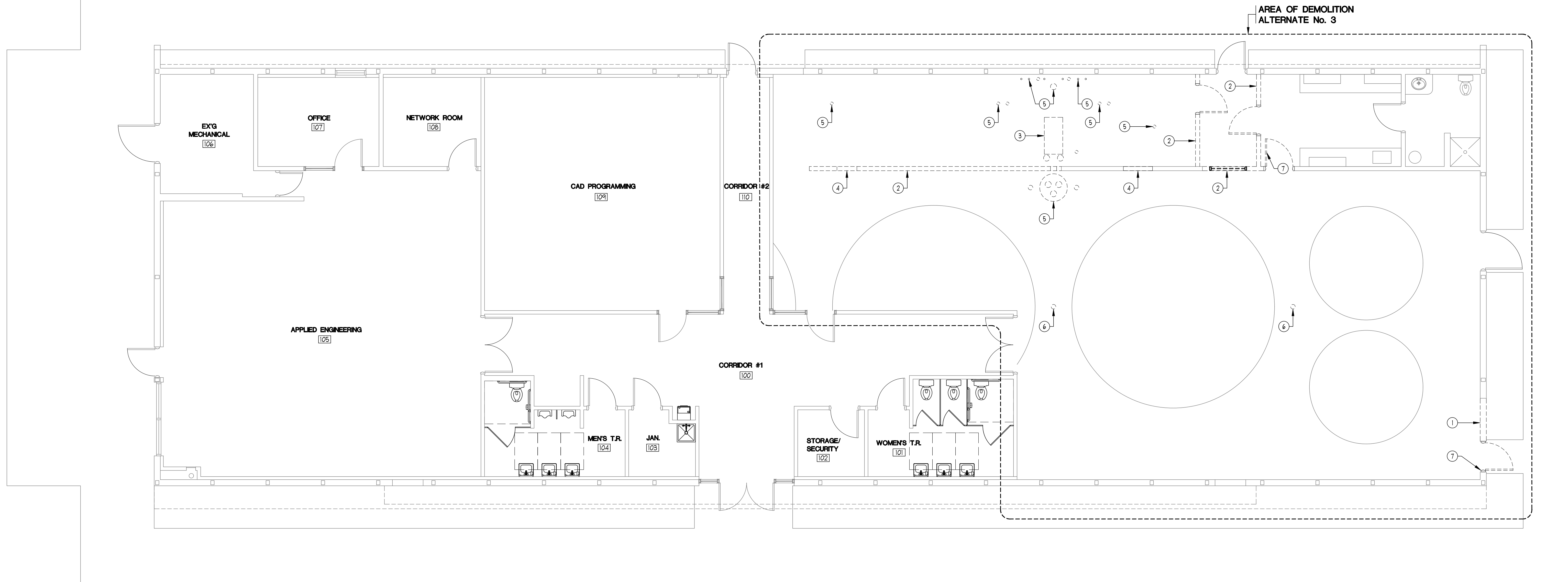
Project
 RENOVATIONS TO:
ENGINEERING LAB
 CUMBERLAND COUNTY COLLEGE
 3322 COLLEGE DR. VINELAND, NJ 08360

Drawing
 ALTERNATE 2
 REFLECTED CEILING PLAN



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Drawn MJM	Date 03/18/19	

Revisions		
No.	Date	Description



DEMOLITION PLAN - ALTERNATE No. 3

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

1

ALTERNATE No. 3

IN DESIGNATED AREA, REMOVE EXISTING WALL CONSTRUCTION INCLUDING DOORS, FRAMES, WINDOWS AND LOUVERS, CONCRETE PADS, PVC PIPING, ETC AS REQUIRED AND AS INDICATED FOR INSTALLATION OF NEW CONSTRUCTION AS SHOWN ON A1.4

KEYNOTES:

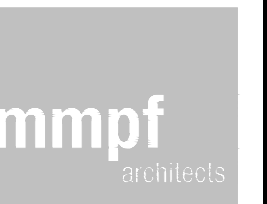
- 1) REMOVE WALL CONSTRUCTION COMPLETE AND AS REQUIRED FOR INSTALLATION FOR RELOCATED COILING OVERHEAD DOOR.
- 2) REMOVE EXISTING WALL CONSTRUCTION COMPLETE. PATCH EXIST CONSTRUCTION DESIGNATED TO REMAIN AS REQUIRED FOR INSTALLATION OF NEW FINISHES.
- 3) REMOVE EXISTING CONC. PAD, PATCH EXISTING CONSTRUCTION AS REQ'D TO MATCH ADJACENT.
- 4) REMOVE EXISTING LOUVER AND INFILL WALL CONSTRUCTION AS REQUIRED OR PROVIDE NEW DOOR OPENING; SEE FLOOR PLAN.
- 5) REMOVE PVC PIPE FLUSH W/ EXIST CONC. SLAB ON GRADE; INFILL PIPE OPENING AS REQUIRED FOR INSTALLATION OF FLOOR LEVELING COMPOUND. SEE PLUMBING DWGS. FOR ADDITIONAL INFORMATION. TYPICAL FOR ALL PVC FLOOR PENETRATIONS IN AREA OF WORK NOT DESIGNATED TO REMAIN.
- 6) REMOVE EXISTING FLOOR DRAIN; SEE PLUMBING DWGS. FOR ADDITIONAL INFORMATION.
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- D) MAINTAIN TEMPORARY PARTITIONS TO PREVENT THE SPREAD OF DUST, ODORS, AND NOISE. PROTECT EXISTING MATERIALS WHICH ARE NOT TO BE DEMOLISHED.
- E) IN AREAS OF DEMOLITION, PATCH, LEVEL, AND INFILL ALL WALL, CEILING AND FLOOR SURFACES AS REQUIRED FOR INSTALLATION OF NEW FINISHES. THIS INCLUDES LEVELING OF ALL FLOORS AND INFILLING OF ANY TRENCHED AREAS.

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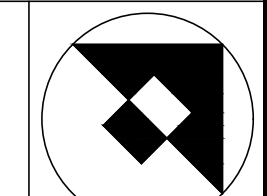
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RENOVATIONS TO:

ENGINEERING LAB

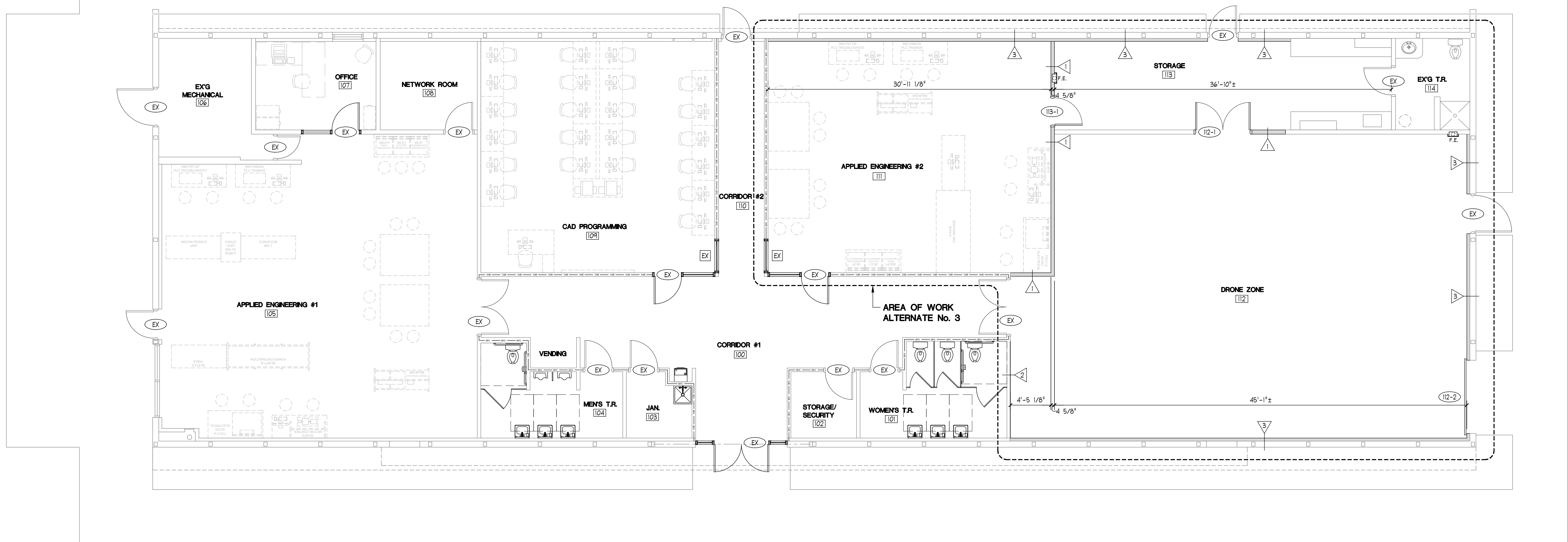
CUMBERLAND COUNTY COLLEGE
3322 COLLEGE DR. VINELAND, NJ 08360

Drawing
ALTERNATE 3
DEMOLITION PLAN
NOTES



Scale	Job	Sheet
AS NOTED	19002	A1.6
Drawn	Date	7 of 12
MJM	03/18/19	

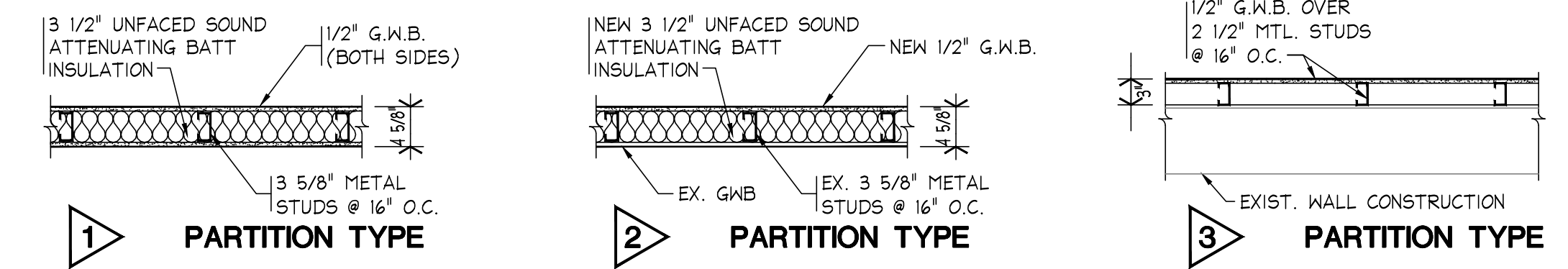
Revisions		
No.	Date	Description



FLOOR PLAN - ALTERNATE No. 3
SCALE: 3/16" = 1'-0"

ALTERNATE No. 3

IN AREA OF WORK, PROVIDE ALL LABOR AND MATERIAL REQUIRED TO CONSTRUCT APPLIED ENGINEERING #2, DRONE ZONE AND STORAGE, INCLUDING BUT NOT LIMITED TO INSTALLATION OF FLOOR LEVELING COMPOUND, PARTITIONS, FLOOR AND WALL FINISHES, CEILING, LIGHTING, MECHANICAL AND ELECTRICAL SYSTEMS AND INTERIOR AND EXTERIOR DOORS AND FRAMES. THE INSTALLATION OF THE RELOCATED OVERHEAD COILING DOOR (SEE BASE BID DWGS.) IS ALSO INCLUDED.



- 1 PARTITION TYPE**
- NOTES:
1. USE MOISTURE RESISTANT GYPSUM WALLBOARD IN TOILET ROOMS AND JANITORS CLOSET.
2. ALL ROOM PARTITIONS TO EXTEND TO UNDERSIDE OF EXIST. METAL CEILING PANEL ABOVE. EXTEND GNB TO EXIST. CEILING ON SIDE OF PARTITION.
- 2 PARTITION TYPE**
- NOTES:
1. USE MOISTURE RESISTANT GYPSUM WALLBOARD IN TOILET ROOMS AND JANITORS CLOSET.
2. ALL ROOM PARTITIONS TO EXTEND TO UNDERSIDE OF EXIST. METAL CEILING PANEL ABOVE. EXTEND GNB TO EXIST. CEILING ON SIDE OF PARTITION.
- 3 PARTITION TYPE**
- NOTES:
1. USE MOISTURE RESISTANT GYPSUM WALLBOARD IN TOILET ROOMS AND JANITORS CLOSET.
2. ALL ROOM PARTITIONS TO EXTEND TO UNDERSIDE OF EXIST. METAL CEILING PANEL ABOVE. EXTEND GNB TO EXIST. CEILING ON SIDE OF PARTITION.

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

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Drawing
ALTERNATE 3 FLOOR PLAN AND PARTITION TYPES

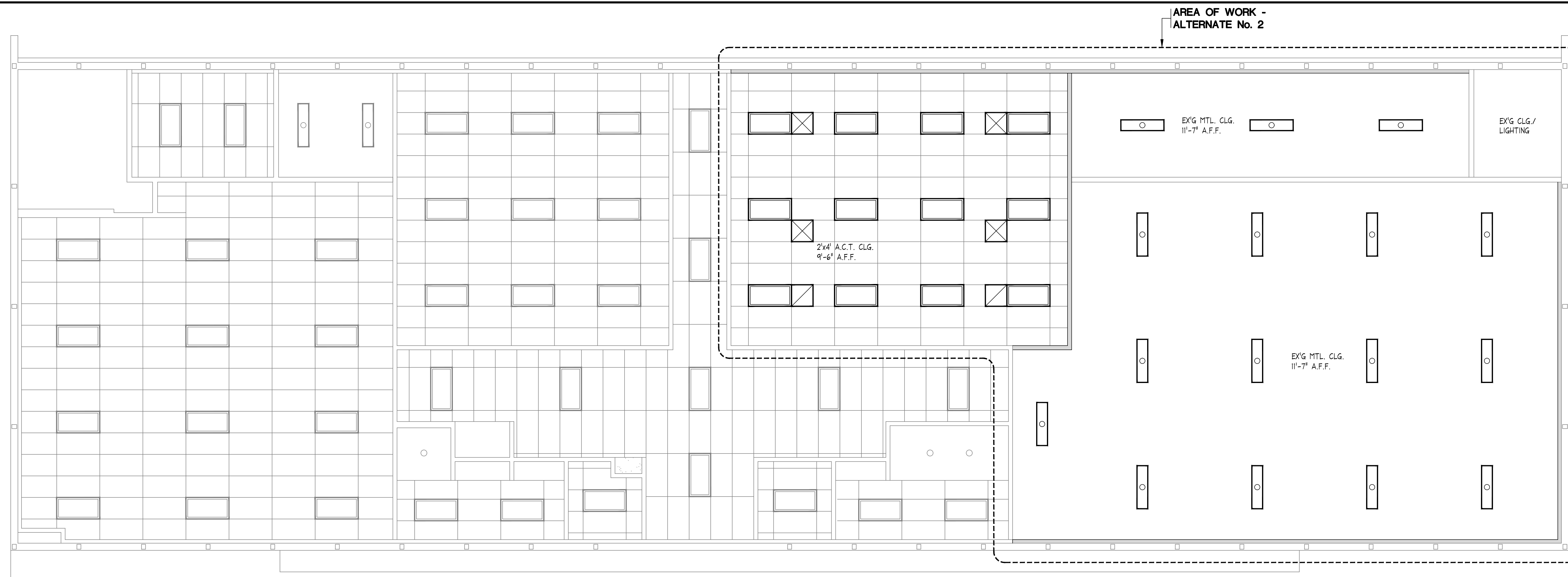
Scale
AS NOTED

Job
19002

Sheet
A1.7
8 of 12

Drawn
MJM

Date
03/18/19



REFLECTED CEILING PLAN - ALTERNATE 3

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

NOTES:

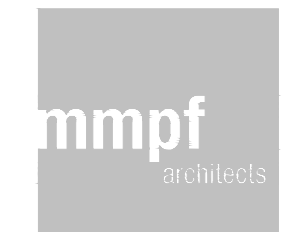
- SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON LIGHTING IN AREA OF RENOVATION AND AREAS WHERE EXISTING CEILING AND LIGHTING ARE DESIGNATED TO REMAIN.

①

Revisions		
No.	Date	Description

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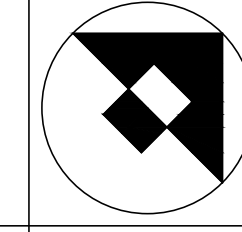
RENOVATIONS TO:
ENGINEERING LAB

CUMBERLAND COUNTY COLLEGE
 3322 COLLEGE DR. VINELAND, NJ 08360

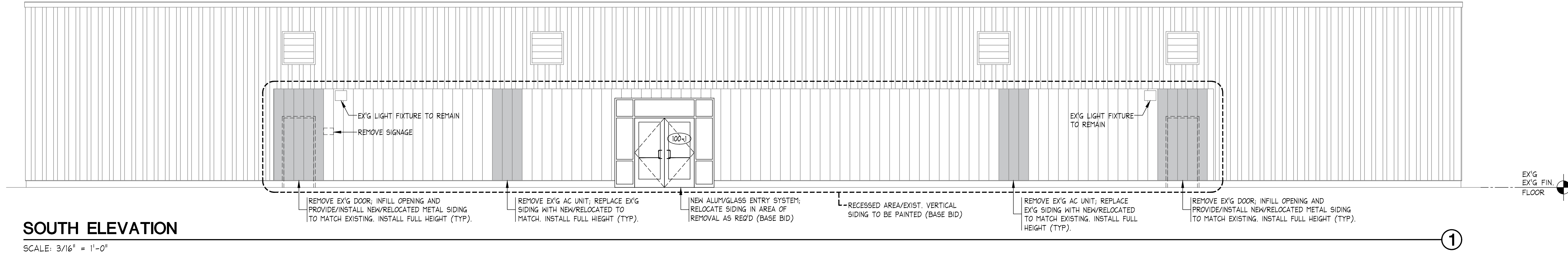
Drawing

ALTERNATE 3
 REFLECTED CEILING PLAN

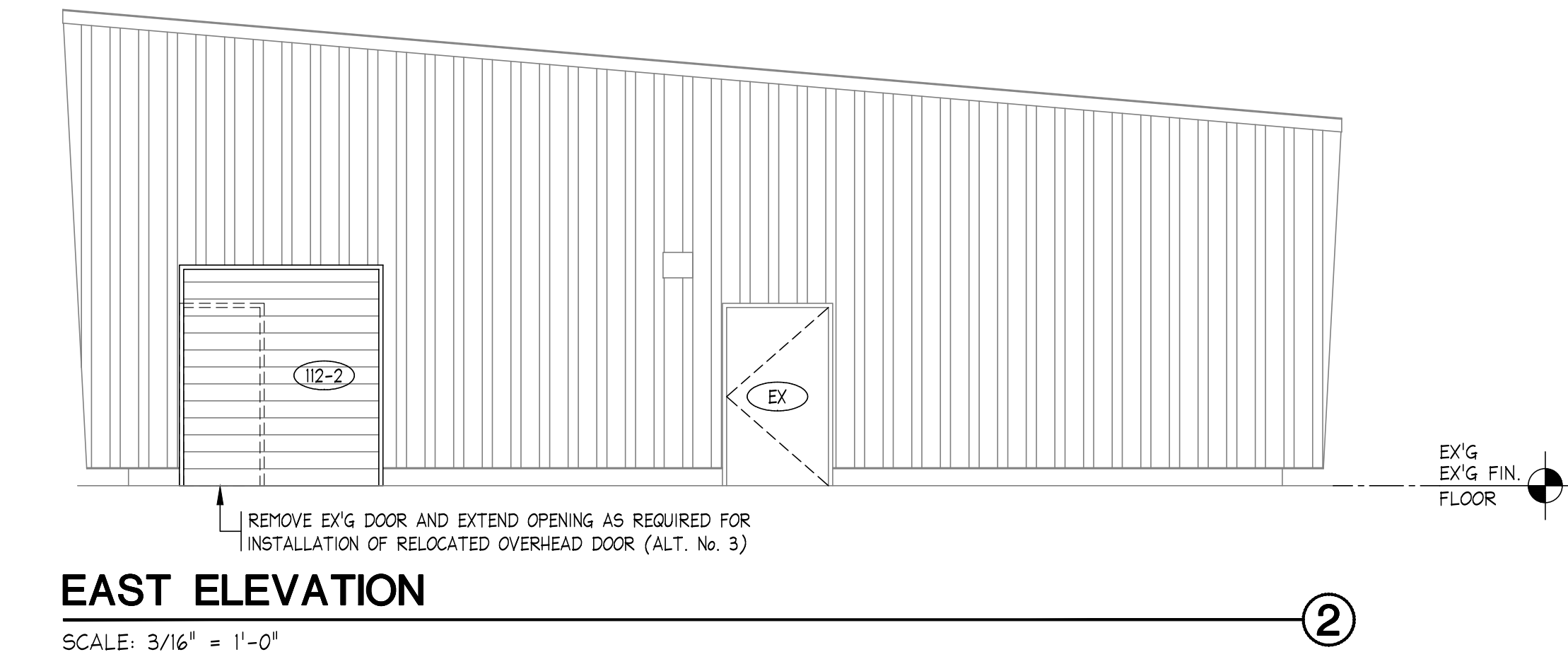
Scale	Job	Sheet
AS NOTED	19002	A1.8
Drawn	Date	9 of 12
MJM	03/18/19	



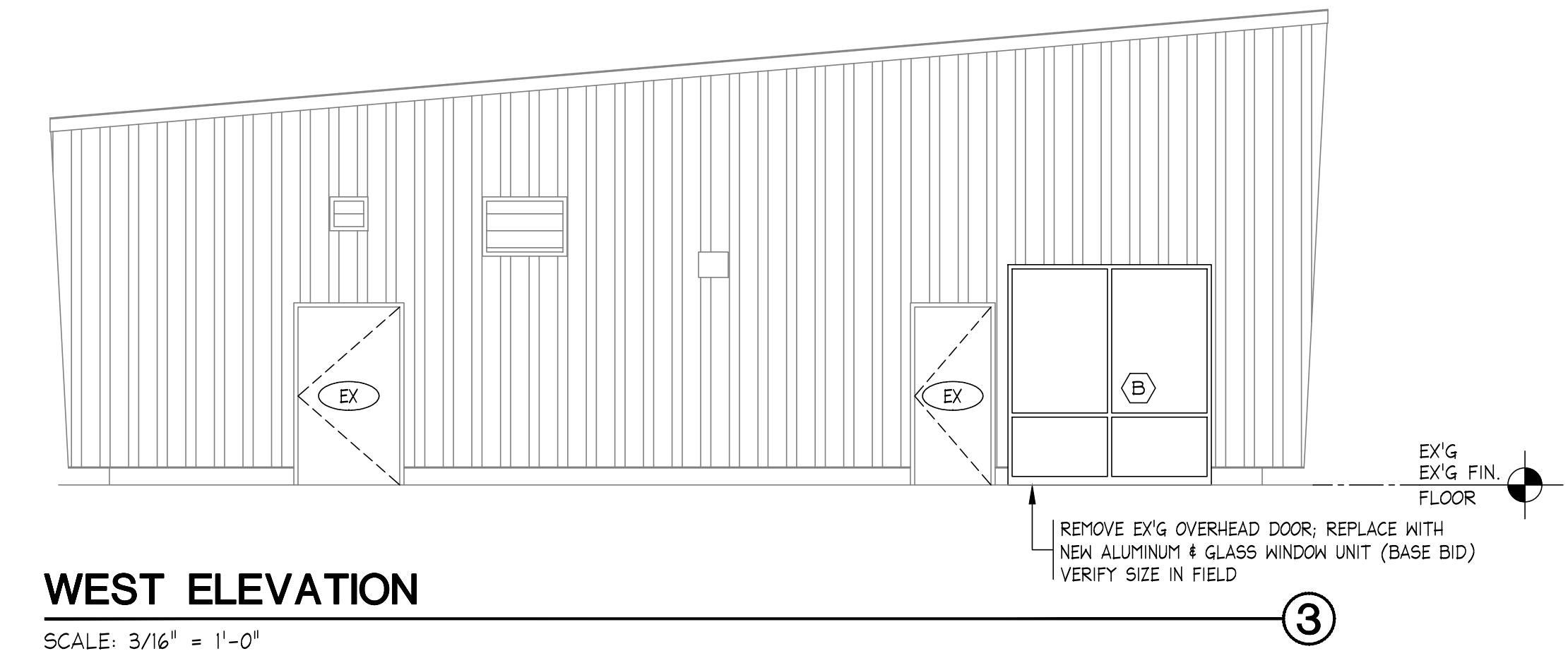
Revisions		
No.	Date	Description



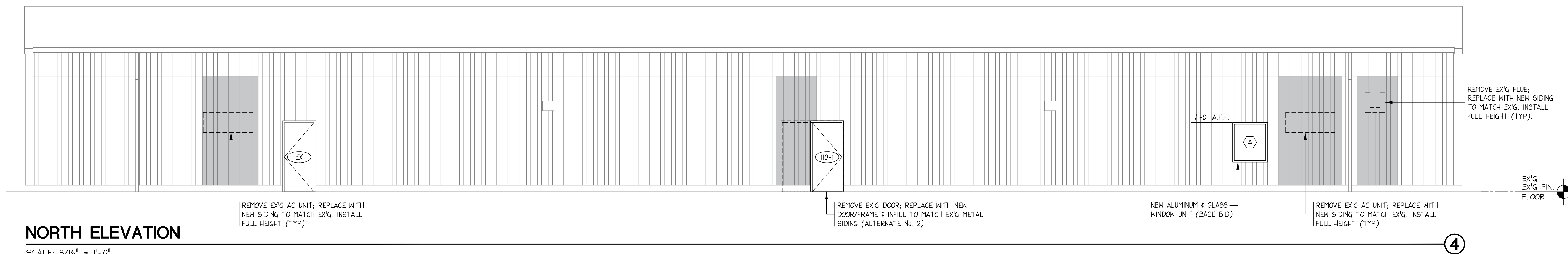
SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



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



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



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

- NOTES:**
- ALL WORK SHOWN ON EXTERIOR ELEVATIONS IS TO BE A PART OF THE BASE BID WITH THE EXCEPTION OF THE FOLLOWING:
 - INSTALLATION OF THE NEW EXTERIOR MAN DOOR No. 110-1, INCLUDING THE REMOVAL OF THE EXISTING DOUBLE DOOR AND THE REPLACEMENT OF METAL SIDING IN THIS AREA - ALTERNATE No. 2
 - INSTALLATION OF OVERHEAD COILING DOOR # 112-2 INCLUDING THE REMOVAL OF AN EXISTING MAN DOOR AND ANY ASSOCIATED DEMOLITION AND CONSTRUCTION REQUIRED - ALTERNATE No. 3

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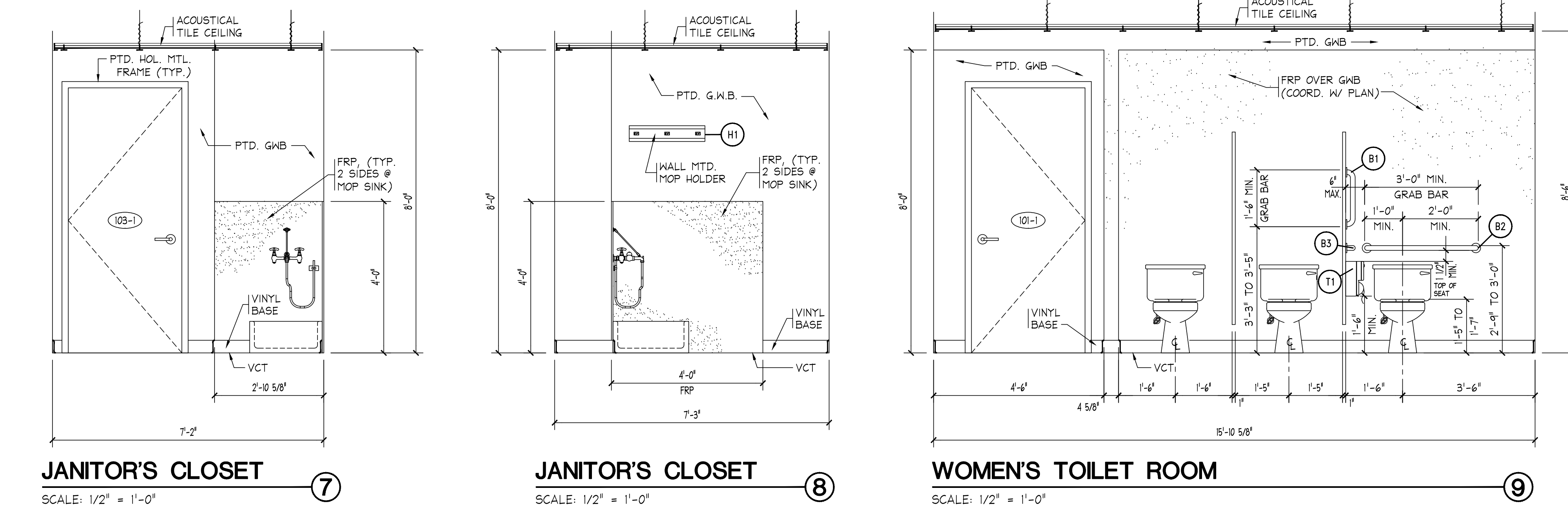
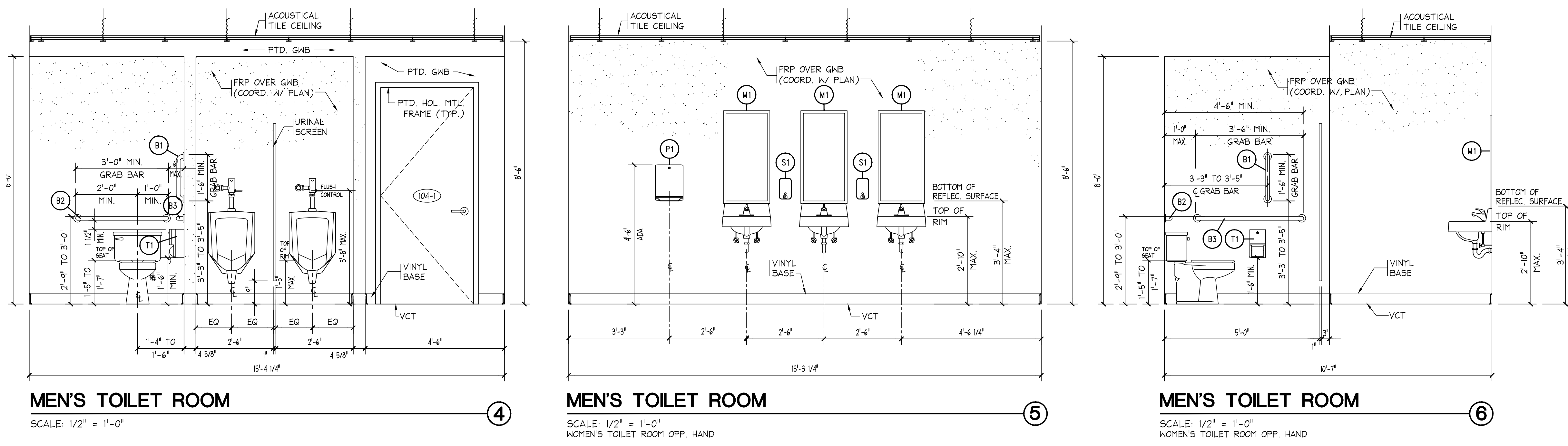
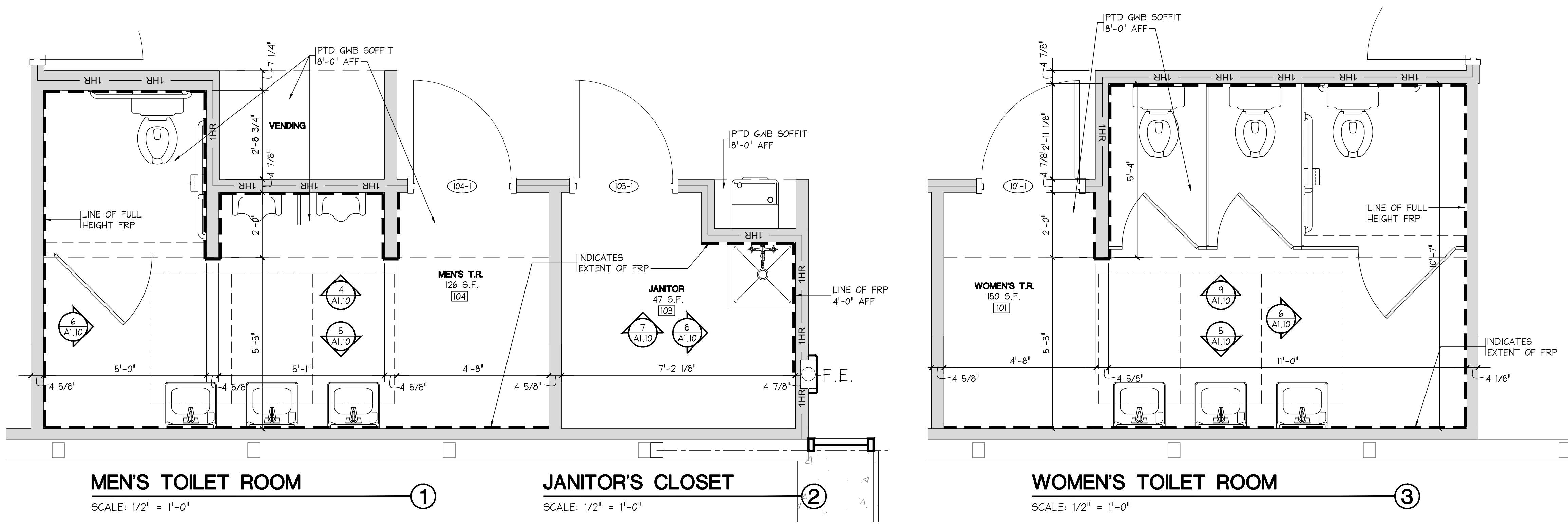
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Project
RENOVATIONS TO:
ENGINEERING LAB
CUMBERLAND COUNTY COLLEGE
3322 COLLEGE DR. VINELAND, NJ 08360

Drawing ELEVATIONS		
Scale AS NOTED	Job 19002	Sheet A1.9
Drawn MLM	Date 03/18/19	10 of 12



TOILET ROOM ACCESSORY SCHEDULE

ROOM NAME	(B-1)	(B-2)	(B-3)	(T-1)	(P-2)	(S-1)	(M-1)	(H-1)
	GRAB BARS B-6806.99 18" 36" 42"	TOILET TISSUE DISPENSER B-3474	PAPER TOWEL DISP. U180	SOAP DISPENSER B-290.1836	MIRROR B-2112	MOP HOOK B-290.1836		
WOMEN'S T.R.	(1)	(1)	(1)	(3)	(1)	(2)	(3)	-
MEN'S T.R.	(1)	(1)	(1)	(1)	(1)	(2)	(3)	-
JANITOR'S CLOSET	-	-	-	-	-	-	-	(1)

NOTES: 1. LISTED 'B' MODEL NO.'S ARE BY 'BOBRICK' - STAINLESS STL. W/ SATIN FINISH

Revisions

No.	Date	Description

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RENOVATIONS TO:
ENGINEERING LAB

CUMBERLAND COUNTY COLLEGE
3322 COLLEGE DR. VINELAND, NJ 08360

Drawings

ENLARGED TOILET ROOM PLANS AND INTERIOR ELEVATIONS

Scale	Job	Sheet
AS NOTED	19002	A1.10
Drawn	Date	
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ROOM FINISH SCHEDULE

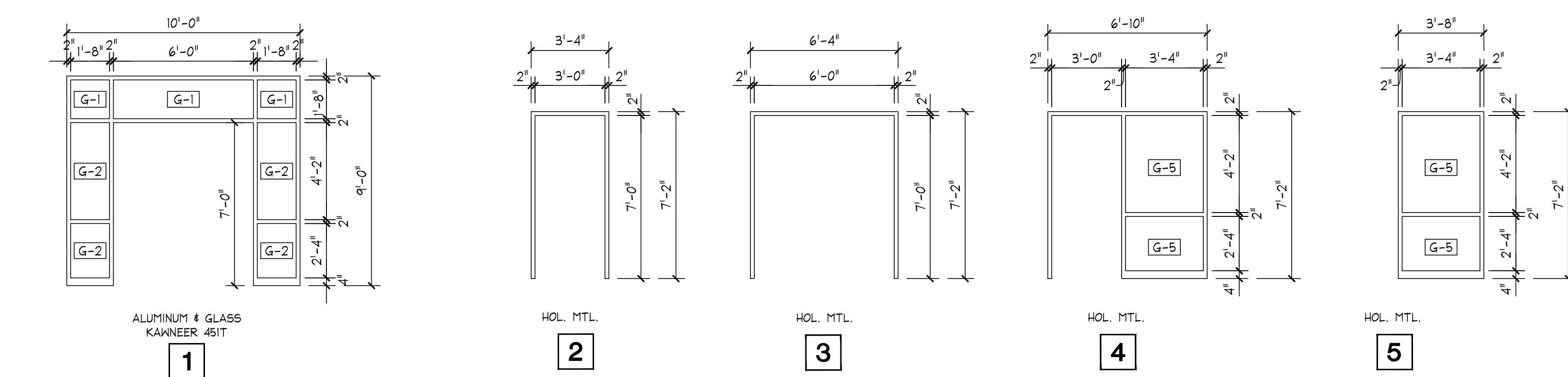
ROOM NO.	ROOM NAME	FLOOR	BASE	WALL	CLG.	HEIGHT	REMARKS
100	CORRIDOR #1	L.V.T.	VINYL	PTD. G.H.B.	ACOUST. TILE	9'-4"	1 HR FIRE RATED CLG.
101	WOMEN'S T.R.	L.V.T.	VINYL	FRP / G.H.B.	A.C.T. / GNB	8'-6" / 8'-0"	
102	STORAGE/SECURITY	L.V.T.	VINYL	PTD. G.H.B.	ACOUST. TILE	8'-0"	
103	JANITOR	L.V.T.	VINYL	PTD. G.H.B.	ACOUST. TILE	8'-0"	
104	MEN'S T.R.	L.V.T.	VINYL	FRP / G.H.B.	A.C.T. / GNB	8'-6" / 8'-0"	
105	APPLIED ENGINEERING #1	L.V.T.	VINYL	PTD. G.H.B.	ACOUST. TILE	9'-6"	
106	EX'G MECHANICAL	EX'G	EX'G	EX'G	EX'G	11'-7" ±	EXIST. METAL CLG.
107	OFFICE	L.V.T.	VINYL	PTD. G.H.B.	ACOUST. TILE	9'-6"	
108	NETWORK ROOM	L.V.T.	VINYL	PTD. G.H.B./PLYW'D	EX'G	11'-7" ±	EXIST. METAL CLG. / SEE NOTE 2
109	CAD PROGRAMMING	L.V.T.	VINYL	PTD. G.H.B.	ACOUST. TILE	9'-6"	
110	CORRIDOR #2	L.V.T.	VINYL	PTD. G.H.B.	ACOUST. TILE	9'-4"	1 HR FIRE RATED CLG.
111	APPLIED ENGINEERING #2	L.V.T.	VINYL	PTD. G.H.B.	ACOUST. TILE	9'-6"	
112	DRONE ZONE	L.V.T.	VINYL	PTD. G.H.B.	EX'G	11'-7" ±	EXIST. METAL CLG.
113	STORAGE	L.V.T.	VINYL	PTD. G.H.B.	EX'G	11'-7" ±	EXIST. METAL CLG.
114	EX'G TOILET ROOM	EX'G	EX'G	EX'G	EX'G	11'-7" ±	EXIST. METAL CLG.

- NOTES:
 1. COORDINATE ALL FINISH SELECTIONS/LOCATIONS WITH OWNER.
 2. IN NETWORK ROOM, PROVIDE 1/2" THICK FIRE RETARDANT THREADED PLYWOOD ALL WALLS TO 8'-0" AFF IN NETWORK ROOM.

DOOR SCHEDULE

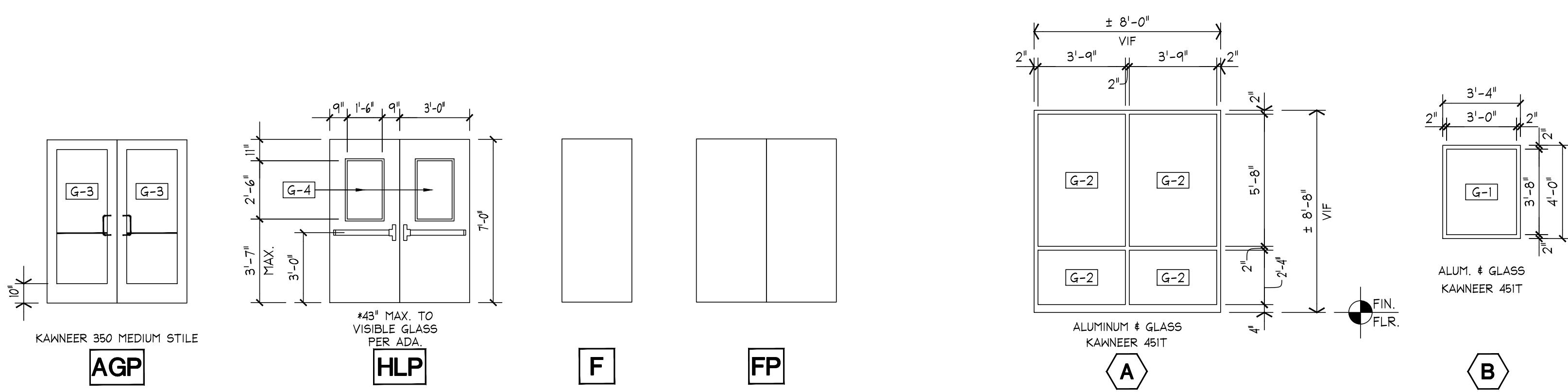
NO.	DOOR			FRAME		HDW. NO.	FIRE RATING	REMARKS	NO.	
	WIDTH	HEIGHT	THK.	MATERIAL	FINISH					
100-1	6'-0"	7'-0"	2"	AGP	ALUMI/GLASS	MFR. 1	ALUMINUM	MFR. 1	100-1	
100-2	6'-0"	7'-0"	1 3/4"	HLP	S.C. WOOD	PTD. 3	HOL. METAL	PTD. 2	20 MIN.	100-2
101-1	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	PTD. 2	HOL. METAL	PTD. 3	20 MIN.	101-1
102-1	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	PTD. 2	HOL. METAL	PTD. 4	20 MIN.	102-1
103-1	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	PTD. 2	HOL. METAL	PTD. 4	20 MIN.	103-1
104-1	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	PTD. 2	HOL. METAL	PTD. 3	20 MIN.	104-1
105-1	6'-0"	7'-0"	1 3/4"	HLP	S.C. WOOD	PTD. 3	HOL. METAL	PTD. 2	20 MIN.	105-1
107-1	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	PTD. 4	HOL. METAL	PTD. 5		107-1
108-1	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	PTD. 2	HOL. METAL	PTD. 6		108-1
109-1	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	PTD. 4	HOL. METAL	PTD. 7	20 MIN.	109-1
110-1	3'-0"	7'-0"	2"	F	HOL. METAL	PTD. 2	HOL. METAL	PTD. 8		110-1
110-2	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	PTD. 4	HOL. METAL	PTD. 7	20 MIN.	110-2
112-1	6'-0"	7'-0"	1 3/4"	FP	S.C. WOOD	PTD. 3	HOL. METAL	PTD. 2		112-1
112-2	8'-4"	8'-0"	—	OH	—	—	—	9		112-2
113-1	3'-0"	7'-0"	1 3/4"	F	S.C. WOOD	PTD. 2	HOL. METAL	PTD. 6		113-1

- NOTES:
 1. ALL DOOR HARDWARE TO CONFORM TO NJ UCC BARRIER-FREE SUBCODE
 2. SEE SPECIFICATIONS FOR ALL H.M. FRAMES IN CONTACT W/ MASONRY.
 3. COORDINATE ALL HARDWARE AND KEYING W/ OWNER.
 4. CONTRACTOR TO VERIFY SIZE OF RELOCATED OVERHEAD COILING DOOR.



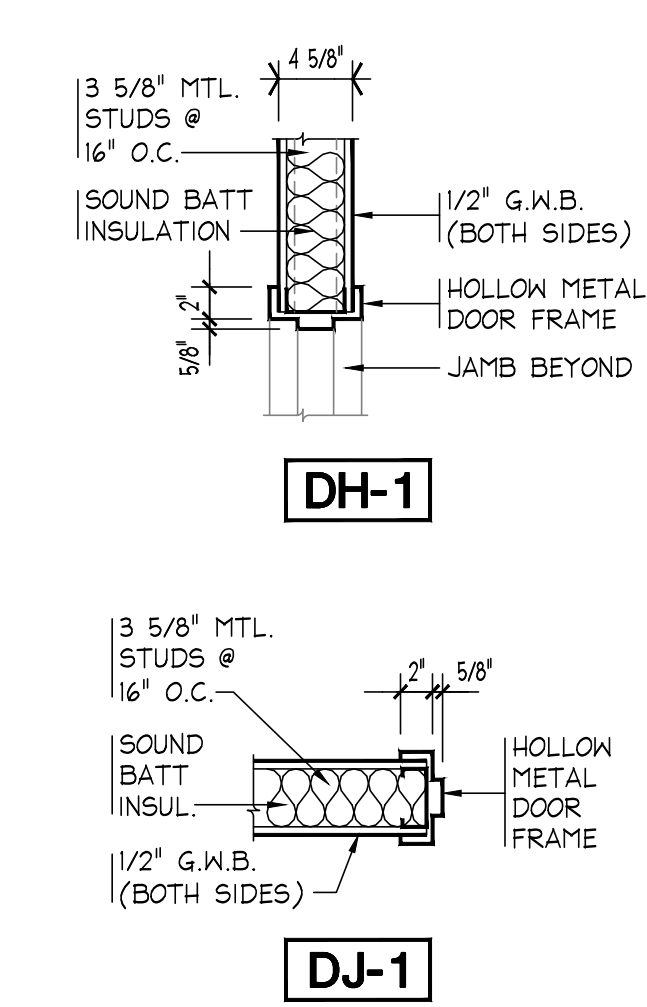
ALUMINUM FRAME TYPES
SCALE: 1/4" = 1'-0"

HOLLOW METAL FRAME TYPES
SCALE: 1/4" = 1'-0"

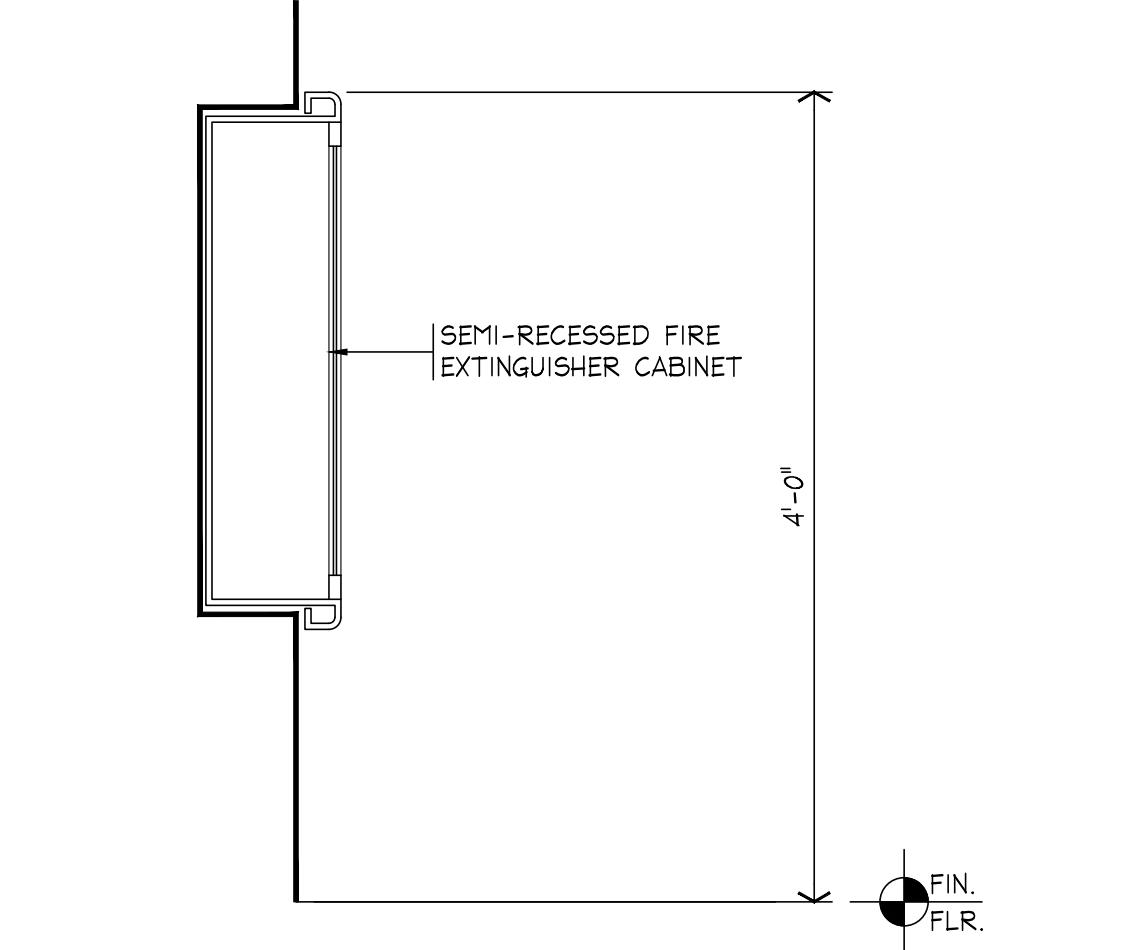


DOOR TYPES
SCALE: 1/4" = 1'-0"

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



DOOR: TYPICAL HEAD & JAMB DETAILS
SCALE: 1" = 1'-0"



F.E.C. DETAIL - SEMI RECESSED
SCALE: 1 1/2" = 1'-0"
NOTE: SEMI-RECESSED FIRE EXTINGUISHER CABINET SHOWN, PROVIDE SURFACE & RECESSED MODELS AS NOTED ON PLAN. PROVIDE SOLID WOOD BLOCKING AS REQUIRED.

Revisions		
No.	Date	Description

GLAZING SCHEDULE	
TYPE	DESCRIPTION
G-1	1" INSULATED GLASS
G-2	1" INSULATED TEMPERED SAFETY GLASS
G-3	1/4" TEMPERED SAFETY GLASS
G-4	20 MINUTE FIRE RATED GLASS
G-5	45 MINUTE FIRE RATED GLASS

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Project
RENOVATIONS TO:
ENGINEERING LAB
 CUMBERLAND COUNTY COLLEGE
 3322 COLLEGE DR. VINELAND, NJ 08360

Drawing
 DOOR, FRAME & WINDOW TYPES, SCHEDULES AND DETAILS

Scale AS NOTED Job 19002 Sheet **A1.11**
 Drawn MJM Date 03/18/19 12 of 12

File Name: M:\Projects\MMPF\18280 - Cumberland County College Applied Engineering Bldg_Elec\VIEW\18280E01.dwg
 Plotted on: Mar 18, 2019 - 12:48pm Plotted by: adam
 PLOTTER: HP DesignJet T120
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ELECTRICAL LEGEND

LIGHTING	POWER	FIRE ALARM SYSTEM	
<p>SYMBOL DESCRIPTION</p> <p>○ CEILING OUTLET AND LIGHTING FIXTURE AS SCHEDULED.</p> <p>○ WALL OUTLET AND LIGHTING FIXTURE AS SCHEDULED.</p> <p>○ CEILING OUTLET AND LIGHTING FIXTURE AS SCHEDULED.</p> <p>○ CEILING OUTLET AND LIGHTING FIXTURE WITH INTEGRAL 90 MINUTE BACKUP BATTERY PACK AS SCHEDULED.</p> <p>○ CEILING OUTLET AND LIGHTING FIXTURE AS SCHEDULED.</p> <p>○ CEILING OUTLET AND LIGHTING FIXTURE WITH INTEGRAL 90 MINUTE BACKUP BATTERY PACK AS SCHEDULED.</p> <p>○ CEILING OUTLET AND EXIT LIGHTING FIXTURE AS SCHEDULED.</p> <p>○ WALL OUTLET AND EXIT LIGHTING FIXTURE AS SCHEDULED.</p> <p>○ LIGHTING FIXTURE TYPE.</p> <p>S SINGLE POLE 20A SWITCH. MOUNT 44" A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE.</p> <p>S^{MS} WALL OUTLET AND PASSIVE INFRARED OCCUPANCY SENSOR FOR LIGHTING CONTROL. MANUAL "ON" AND AUTOMATIC "OFF". MOUNT 44" A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE.</p> <p>S^{OR} WALL OUTLET AND LOW VOLTAGE SWITCH FOR UNOCCUPIED OVERRIDE OPERATION. MOUNT 44" A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE.</p> <p>"a,b,c" LOWER CASE LETTERS AT OUTLETS INDICATE SWITCHING ARRANGEMENT.</p> <p>MS CEILING OUTLET AND DUAL TECHNOLOGY (ULTRASONIC OR MICROPHONICS) OCCUPANCY SENSOR FOR LIGHTING CONTROL.</p> <p>PP LIGHTING CONTROL POWER PACK RELAY ASSEMBLY WITH AUXILIARY CONTACT FOR INTERCONNECTION TO TEMPERATURE CONTROL SYSTEM. 20AMP, 120/277V.</p>	<p>SYMBOL DESCRIPTION</p> <p>⊖ WALL OUTLET WITH 20A, 125V DUPLEX RECEPTACLE. MOUNT 16" A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE.</p> <p>⊖ WALL OUTLET WITH 20A, 125V DOUBLE DUPLEX (QUADRAPLEX) RECEPTACLE. MOUNT 16" A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE.</p> <p>⊖ SPECIAL OUTLET AS NOTED. MOUNT 16" A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE.</p> <p>⊖ CEILING MOUNTED JUNCTION BOX.</p> <p>⊖ WALL MOUNTED JUNCTION BOX. MOUNT 16" A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE. S = SURFACE MOUNTED. BP = BLANK PLATE.</p> <p>+ ROUGH-IN AND FINAL CONNECTION.</p> <p>⊖ FUSIBLE DISCONNECT SWITCH. MOUNT 4"-6" A.F.F. TO CENTER, UNLESS NOTED OTHERWISE.</p> <p>⊖ NON-FUSIBLE DISCONNECT SWITCH. MOUNT 4"-6" A.F.F. TO CENTER, UNLESS NOTED OTHERWISE.</p> <p>⊖ COMBINATION MAGNETIC MOTOR CONTROLLER TO SUIT MOTOR. MOUNT 4"-6" A.F.F. TO CENTER, UNLESS NOTED OTHERWISE.</p> <p>⊖ MANUAL MOTOR CONTROLLER TO SUIT MOTOR. MOUNT 44" A.F.F. TO TOP, UNLESS NOTED OTHERWISE. P = PILOT LIGHT.</p> <p>⊖ MAGNETIC MOTOR CONTROLLER TO SUIT MOTOR. MOUNT 4"-6" A.F.F. TO CENTER, UNLESS NOTED OTHERWISE.</p> <p>⊖ MOTOR.</p> <p>WORKING CLEARANCE SURFACE MOUNTED 208Y/120V PANELBOARD.</p> <p>WORKING CLEARANCE RECESSED MOUNTED 208Y/120V PANELBOARD.</p> <p>WORKING CLEARANCE SURFACE MOUNTED 480Y/277V PANELBOARD.</p>	<p>SYMBOL DESCRIPTION</p> <p>⊖ FIRE ALARM SYSTEM VISUAL ONLY DEVICE. WALL MOUNT AT 80 INCHES A.F.F. TO BOTTOM, OR 6 INCHES BELOW CEILING TO TOP, WHICHEVER IS LOWER.</p> <p>⊖ CEILING MOUNT SMOKE DETECTOR. FIRE ALARM SYSTEM.</p> <p>⊖ FIRE ALARM SYSTEM MANUAL PULL STATION. MOUNT AT 44 INCHES A.F.F. TO BOTTOM, UNLESS NOTED OTHERWISE.</p> <p>⊖ CEILING MOUNT HEAT DETECTOR. FIRE ALARM SYSTEM.</p> <p>⊖ FIRE ALARM SYSTEM ADDRESSIBLE MONITOR MODULE.</p> <p>⊖ FIRE ALARM SYSTEM ADDRESSIBLE CONTROL RELAY MODULE.</p> <p>⊖ FIRE ALARM SYSTEM AUDIO AND VISUAL DEVICE. WALL MOUNT AT 80 INCHES A.F.F. TO BOTTOM, OR 6 INCHES BELOW CEILING TO TOP, WHICHEVER IS LOWER.</p> <p>⊖ SMOKE DETECTOR WITH DUCT PROBE. AIR HANDLING UNIT SHALL SHUT DOWN UPON ACTIVATION OF DUCT SMOKE DETECTOR. SUBSCRIPT: S = MOUNTED IN SUPPLY AIR DUCT. R = MOUNTED IN RETURN AIR DUCT.</p> <p>⊖ FIRE ALARM CONTROL PANEL.</p> <p>NOTES: ALL DEVICES SHALL BE RATED WITH ENCLOSURES APPROPRIATE FOR DEVICE LOCATIONS. ALL INSTALLATIONS SHALL MEET NFPA AND LOCAL AUTHORITY CODES AND STANDARDS. INSTALL PER APPROVED SELECTED VENDOR SHOP DRAWINGS.</p>	
<p>TELECOMMUNICATIONS</p> <p>SYMBOL DESCRIPTION</p> <p>⊖ WALL OUTLET AND BLANK DEVICE PLATE FOR TELECOM JACKS, NUMBER INDICATED ON DRAWING. PROVIDE 1" MINIMUM CONDUIT WITH PULL-STRING FROM BOX TO ACCESSIBLE CEILING CAVITY AND BUSH END. COORDINATE CONDUIT SIZE WITH TELECOM CABLE PROVIDER. BOX SHALL BE 4"x4" MINIMUM WITH SINGLE GANG OPENING. PROVIDE CABLING FROM EACH JACK BACK TO DATA CLOSET AND TERMINATE.</p> <p>AP WIRELESS ACCESS POINT. PROVIDE OUTLET BOX AND 1" MINIMUM CONDUIT WITH PULL-STRING FROM BOX TO ACCESSIBLE CEILING CAVITY AND BUSH END. COORDINATE REQUIREMENTS WITH OWNER BEFORE ROUGH-IN. ACCESS POINT PROVIDED BY OWNER. PROVIDE CABLING BACK TO DATA CLOSET AND TERMINATE.</p>			
<p>RACEWAY</p> <p>SYMBOL DESCRIPTION</p> <p>⊖ EXPOSED CONDUIT.</p> <p>⊖ CONDUIT CONCEALED UNDER FLOOR.</p> <p>⊖ POINT OF CONNECTION TO EXISTING.</p> <p>⊖ CIRCUIT CONCEALED IN CEILING OR WALL. CROSSBARS INDICATE NUMBER OF CONDUCTORS REQUIRED. CONDUIT NOT SIZED IS 3/4" CONDUCTORS NOT SIZED ARE NO. 12.</p> <p>A-1,3,5 HOMERUN TO PANELBOARD INDICATED. NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS. NUMBER INDICATES CIRCUIT NUMBERS. PREFIX INDICATES PANEL NUMBER.</p>			
	<p>GENERAL DEVICE SUBSCRIPTS</p> <p>SYMBOL DESCRIPTION</p> <p>"1,2,3" NUMBER AT OUTLET INDICATES CIRCUIT ARRANGEMENT.</p> <p>"NL" INDICATES NIGHT LIGHT CIRCUIT OR UNSWITCHED WHEN SHOWN ON LIGHTING PLANS ADJACENT TO FIXTURE.</p> <p>"N.I.C." INDICATES "NOT IN CONTRACT" WHEN SHOWN ADJACENT TO SYMBOL.</p> <p>"GFI" INDICATES GROUND FAULT CURRENT INTERRUPTER WHEN SHOWN ADJACENT TO SYMBOLS ON POWER PLANS.</p> <p>"WP" INDICATES WEATHER PROOF WHEN SHOWN ADJACENT TO SYMBOLS ON LIGHTING, POWER, OR SYSTEMS PLANS. PROVIDE APPROPRIATE ENCLOSURES AND/OR COVERS.</p> <p>"AC" INDICATED MOUNT DEVICE VERTICALLY 6" ABOVE COUNTER/ COUNTER BACKSPLASH TO BOTTOM WHEN SHOWN ADJACENT TO SYMBOL.</p> <p>"EX" INDICATES DEVICE IS EXISTING WHEN SHOWN ADJACENT TO DEVICE SYMBOL ON PLANS.</p>	<p>ONE LINE AND WIRING DIAGRAM</p> <p>SYMBOL DESCRIPTION</p> <p>⊖ TRANSFORMER.</p> <p>⊖ CIRCUIT BREAKER.</p> <p>⊖ MAINTAINED CONTACT ON-OFF SWITCH.</p> <p>⊖ NORMALLY CLOSED PUSHBUTTON.</p> <p>⊖ MUSHROOM HEAD OPERATOR PUSHBUTTON.</p> <p>⊖ NORMALLY OPEN PUSHBUTTON.</p> <p>⊖ NORMALLY OPEN (N.O.) PUSHBUTTON SWITCH.</p> <p>⊖ NORMALLY CLOSED (N.C.) PUSHBUTTON SWITCH.</p> <p>⊖ NORMALLY OPEN CONTACT.</p> <p>⊖ POINT OF CONNECTION TO GROUND POTENTIAL.</p> <p>⊖ NORMALLY CLOSED CONTACT.</p> <p>⊖ INDICATING LIGHT. R = RED, G = GREEN, B = BLUE, A = AMBER.</p> <p>⊖ OVERLOAD ELEMENT.</p> <p>⊖ SWITCH AND FUSE UNIT.</p> <p>⊖ FUSE.</p> <p>⊖ FUSE.</p> <p>⊖ SOLIDLY GROUNDED WYE CONNECTION.</p> <p>⊖ DELTA CONNECTION.</p>	

GENERAL ELECTRICAL NOTES:

- A. PROVIDE ALL TEMPORARY EGRESS EXIT LIGHTING FIXTURES AS REQUIRED DURING CONSTRUCTION.
- B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING & REPLACING ACOUSTICAL LAY-IN CEILING FOR ROUTING OF FEEDERS, BRANCH CIRCUITS AND CABLING, UNLESS SPECIFICALLY NOTED OTHERWISE OR SHOWN ON ARCHITECTURAL DRAWINGS. ALL DAMAGED TILE SHALL BE REPLACED WITH NEW TILE TO MATCH EXISTING.
- C. COORDINATE CONDUIT ROUTING WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS WITH EQUIPMENT AND EQUIPMENT CLEARANCE.
- D. SEAL AROUND ALL RATED WALL PENETRATIONS WITH FIRE STOPPING.
- E. FINAL CONNECTION TO ALL CEILING MOUNTED DEVICES SHALL BE MADE WITH FLEX CONDUIT.
- F. COORDINATE LIGHTING FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING DRAWINGS.
- G. ALL LINE VOLTAGE BRANCH CIRCUITS AND RACEWAYS REQUIRED FOR EQUIPMENT IDENTIFIED AS OWNER FURNISHED IS THE RESPONSIBILITY OF THE CONTRACTOR.
- H. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS AND LOCATIONS FOR ALL WIRING DEVICES.
- I. VERIFY ALL EQUIPMENT LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- J. COORDINATE LOCATION OF RECEPTACLES WITH VOICE/ DATA OUTLETS ON SYSTEMS DRAWINGS. VOICE/ DATA OUTLETS SHALL BE LOCATED ADJACENT TO RECEPTACLES.
- K. ALL LINE VOLTAGE BRANCH CIRCUITS AND RACEWAYS REQUIRED FOR EQUIPMENT IDENTIFIED AS OWNER FURNISHED IS THE RESPONSIBILITY OF THE CONTRACTOR.
- L. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS AND LOCATIONS FOR ALL WIRING DEVICES.
- M. BRANCH CIRCUIT NEUTRAL CONDUCTORS SHALL NOT BE SHARED WITH ANOTHER CIRCUIT.
- N. EACH BRANCH CIRCUIT SHALL BE EQUIPPED WITH A GREEN EQUIPMENT GROUNDING CONDUCTOR.

GENERAL ELECTRICAL REMOVAL NOTES

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE BUILDING AND SITE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THESE REMOVAL DRAWINGS SHALL SERVE TO AID THE CONTRACTOR IN HIS EVALUATION OF THE DEMOLITION, BUT SHALL NOT BE HELD TO BE ALL INCLUSIVE.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED FOR THE INSTALLATION OF NEW WORK, WHETHER OR NOT IT IS SPECIFICALLY INDICATED OR NOTED IN THESE DOCUMENTS.
- C. ALL EQUIPMENTS INDICATED AS HATCHED OR AS NOTED SHALL BE DISCONNECTED AND REMOVED. ALL ITEMS WHICH ARE OF SALVAGEABLE VALUE TO THE OWNER SHALL BE REMOVED AS DIRECTED BY THE OWNER. IF ITEMS OF SALVAGEABLE VALUE ARE NOT DESIRED BY THE OWNER THEY SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED OR DISPOSED OF AS APPROPRIATE AND AS REQUIRED BY APPLICABLE LAW.
- D. REMOVE ALL EXISTING CONDUIT AND CONDUCTORS FROM REMOVED EQUIPMENT UNLESS CIRCUITS ARE SERVING OTHER EQUIPMENT TO REMAIN.
- E. IF PORTIONS OF CIRCUITS SERVING EQUIPMENT TO REMAIN MUST BE RELOCATED OR REMOVED DUE TO OTHER DEMOLITION OR DUE TO INTERFERENCE WITH NEW EQUIPMENT INSTALLATION, THE CIRCUITS SHALL BE MODIFIED IN A MANNER WHICH SHALL ENSURE PROPER OPERATION OF THE EQUIPMENT AFTER CONSTRUCTION IS COMPLETE. USE SAME GAUGE AND TYPE OF CONDUCTOR AND SAME CONDUIT SIZE AS EXISTING TO MAKE ALL REQUIRED CIRCUIT MODIFICATIONS.
- F. IF WALLS, CEILINGS, FLOORS, OR EQUIPMENT ARE REMOVED OR OTHER DEMOLITION OCCURS, WHICH EXPOSES CIRCUITS SERVING EQUIPMENT TO REMAIN, THE CIRCUITS SHALL BE RELOCATED OR MODIFIED IN SUCH A MANNER WHICH SHALL ENSURE THE CONTINUED OPERATION OF THE CIRCUIT. EXISTING CONDUITS EXPOSED DURING DEMOLITION WHICH REMAIN TO SERVE EQUIPMENT SHALL BE RE-SUPPORTED IN ACCORDANCE WITH THE REQUIREMENTS FOR RACEWAY INSTALLATION IN THE SPECIFICATIONS.
- G. PROVIDE BLANK FINISH PLATE FOR OUTLET BOX AFTER REMOVAL OF DEVICE IF OUTLET BOX IS TO REMAIN FOR CIRCUIT CONTINUITY.
- H. ENSURE CIRCUIT CONTINUITY WHERE FIXTURES, DEVICES, ETC. ARE REMOVED/RELOCATED.
- I. REMOVE LIGHTING FIXTURES IN SUCH A WAY THAT RE-USE OF FIXTURE AND WIRING IS POSSIBLE.
- J. CIRCUIT CONDUIT AND WIRING ASSOCIATED WITH EQUIPMENT PERMANENTLY REMOVED OR DESIGNATED TO BE RELOCATED SHALL BE REMOVED COMPLETE BACK TO THE RESPECTIVE PANEL.

Revisions		
No.	Date	Description

BUILDING DATA

UCC STATE OF NEW JERSEY -
REHABILITATION SUBCODE NJAC
5:23.6, SUBCHAPTER 6 -
RECONSTRUCTION

USE GROUP: B - BUSINESS
CONSTRUCTION CLASSIFICATION:
5B

AREA OF RECONSTRUCTION:
BASE BID: 2,630 SF
ALTERNATE No. 2: 818 SF
ALTERNATE No. 3: 2,894 SF
TOTAL AREA OF
RECONSTRUCTION: 6,342 SF



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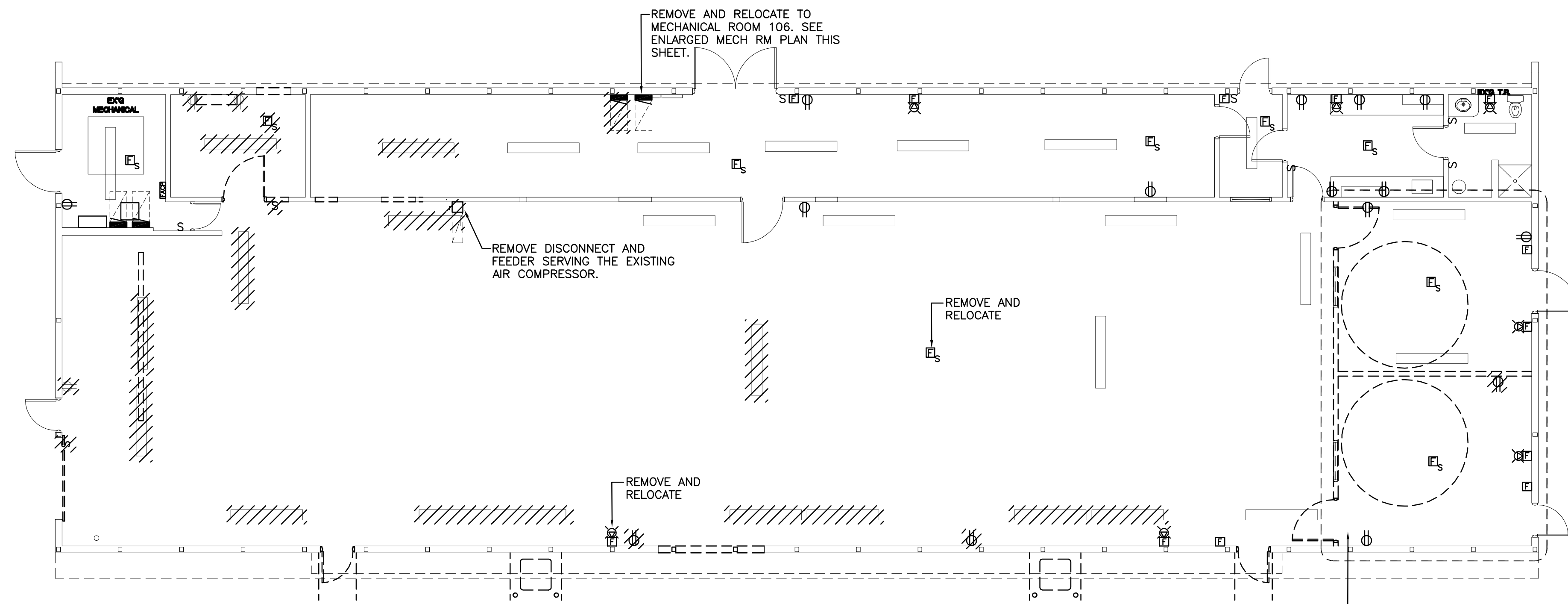
David G. Manders AIA A-07220
Governor's Award for Excellence A-04973
Harold P. Portadin AIA A-13058
Peter W. Farrell AIA A-13058

Project
RENOVATIONS TO:
ENGINEERING LAB
CUMBERLAND COUNTY COLLEGE
3322 COLLEGE DR. VINELAND, NJ 08360

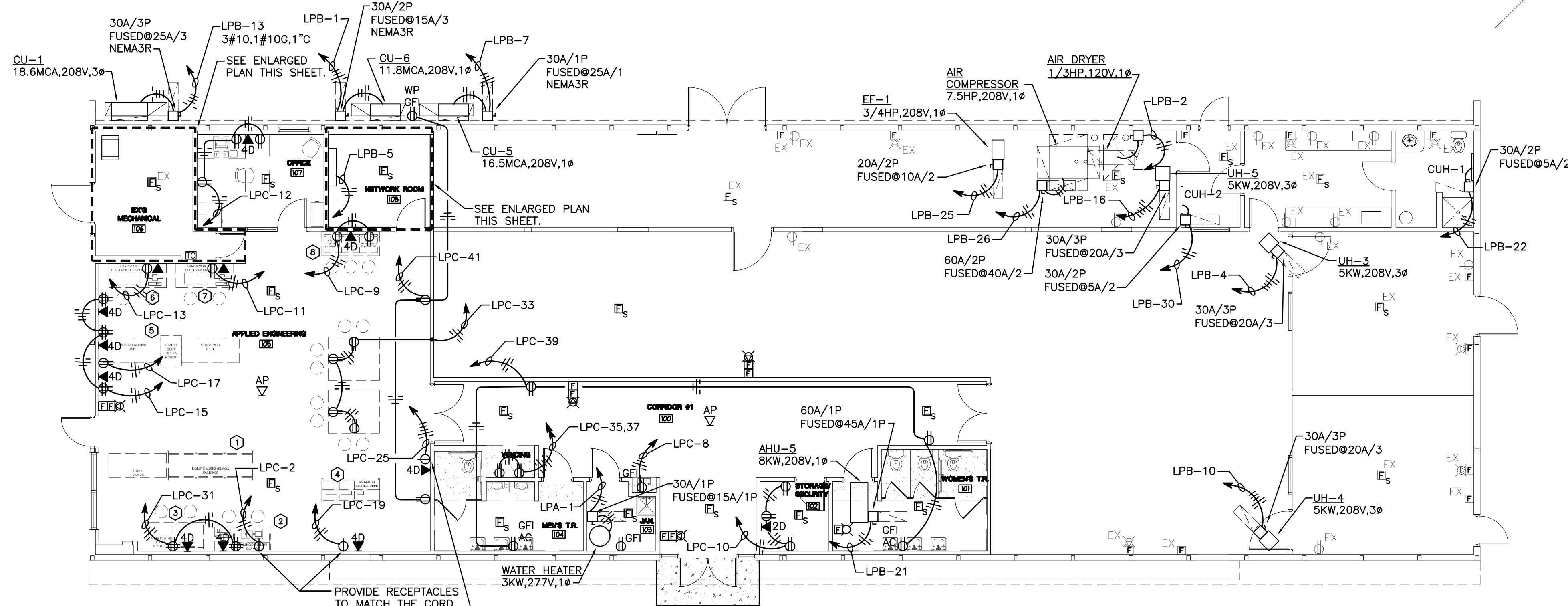
Drawing
ELECTRICAL LEGEND,
DETAILS, GENERAL
NOTES

Scale AS NOTED	Job 19002	Sheet E0.1
Drawn PTB	Date 03/18/19	1 of 5

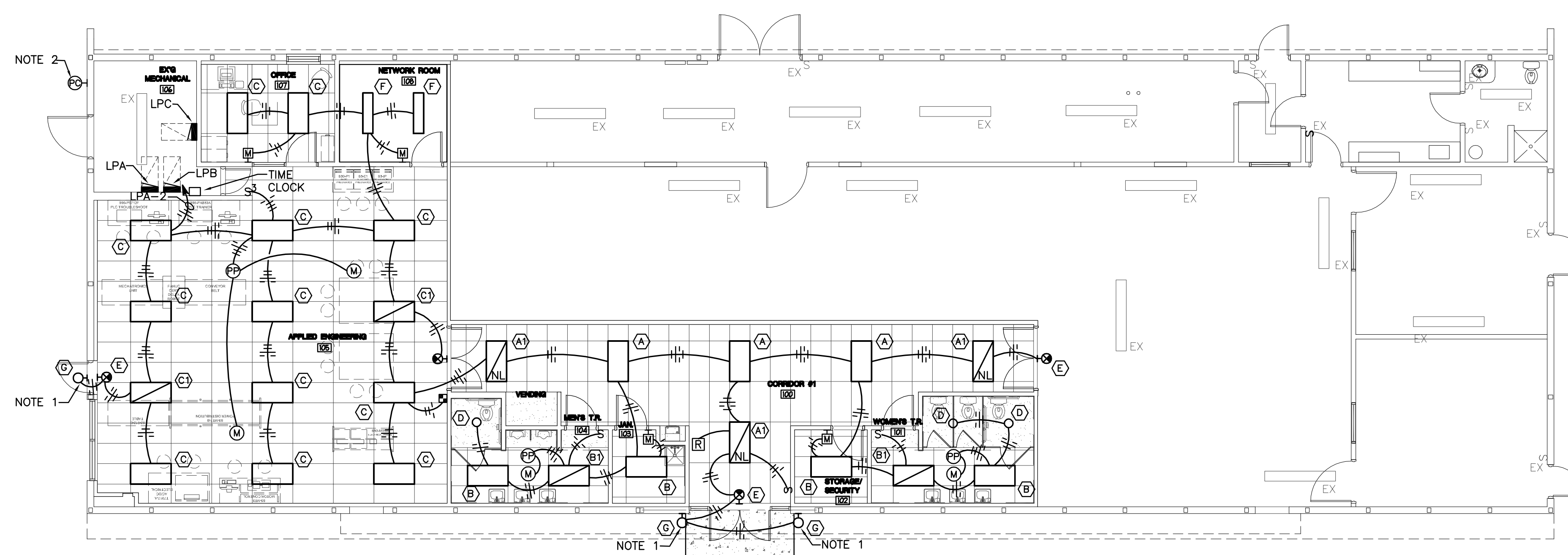
LIGHTING FIXTURE SCHEDULE								
SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP			FIXTURE VOLTAGE	MOUNTING
				TYPE	NO	WATTS		
B	2'X4' LED RECESSED LAY-IN LIGHT FIXTURE.	LITHONIA	2GTL-4-40L-EZ1-LP835	LED	-	30	MVOLT	RECESSED
B ¹	SAME AS TYPE "B" WITH BATTERY PACK.	LITHONIA	2GTL-4-40L-EZ1-LP835-EL7L	LED	-	30	MVOLT	RECESSED
C	2'X4' RECESSED LED FLAT PANEL FIXTURE. 0-10V DIMMING CAPABILITIES.	LITHONIA	EPANL-2X4-5400LM-80CRI-35K-MINI-2T-MVOLT	LED	-	56	MVOLT	RECESSED
C ¹	SAME AS TYPE "C", EXCEPT PROVIDE WITH EMERGENCY BATTERY PACK.	LITHONIA	EPANL-2X4-5400LM-80CRI-35K-MINI-2T-MVOLT-E10WCP	LED	-	56	MVOLT	RECESSED
D	6" DIMMABLE LED DOWNLIGHT, SEMI-SPECULAR REFLECTOR, CLEAR TRIM.	LITHONIA	LDN6-35/20-L06AR-LSS-MVOLT-EZ1	LED	-	26	MVOLT	RECESSED
E	SINGLE SIDED LED EXIT LIGHT WITH NICKEL CADMIUM BATTERY.	LITHONIA	LQM-S-W-3-R-120/277-ELN	LED	-	1	MVOLT	SURFACE
F	4' LED STRIP LIGHT WITH STEEL HOUSING, HIGH GLOSS BAKED WHITE ENAMEL FINISH, DIFFUSE ACRYLIC LENS.	LITHONIA	ZL1N-L48-5000LM-FST-35K-80CRI	LED	-	34	MVOLT	SURFACE
F ¹	SAME AS TYPE "F", EXCEPT PROVIDE WITH EMERGENCY BATTERY PACK.	LITHONIA	ZL1N-L48-5000LM-FST-35K-80CRI-E7W	LED	-	34	MVOLT	SURFACE
G	EXTERIOR WALL SCONCE, ARCHITECT TO SELECT FINISH.	GARCOO LIGHTING	121-16L-700-NW-G3-2-UNV	LED	-	38	MVOLT	WALL MOUNT
H	4' LED STRIP LIGHT, IMPACT RESISTANT LENS.	LUMINAIRE LED	LVP524-48"-50W-3500K-120-277-CP-WHT-DIM	LED	-	53.7	MVOLT	SURFACE
H ¹	SAME AS TYPE "H", EXCEPT PROVIDE WITH EMERGENCY BATTERY PACK.	LUMINAIRE LED	LVP524-48"-50W-3500K-120-277-CP-WHT-DIM-EMB310	LED	-	53.7	MVOLT	SURFACE



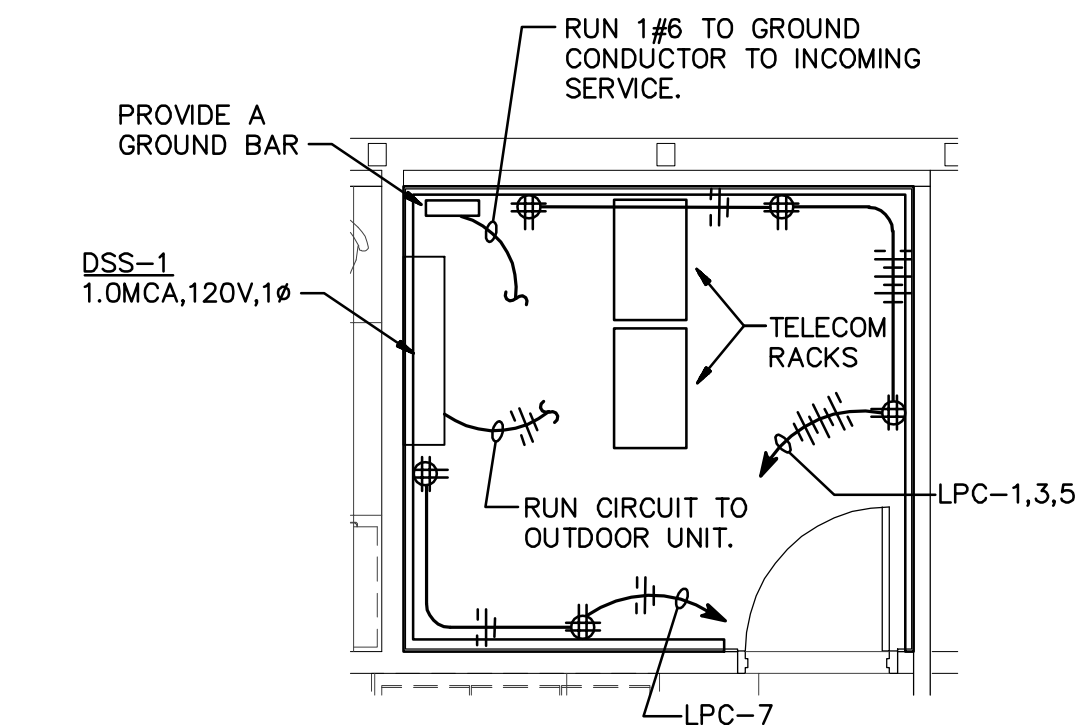
ELECTRICAL REMOVAL PLAN - BASE BID
SCALE: 1/8" = 1'-0"



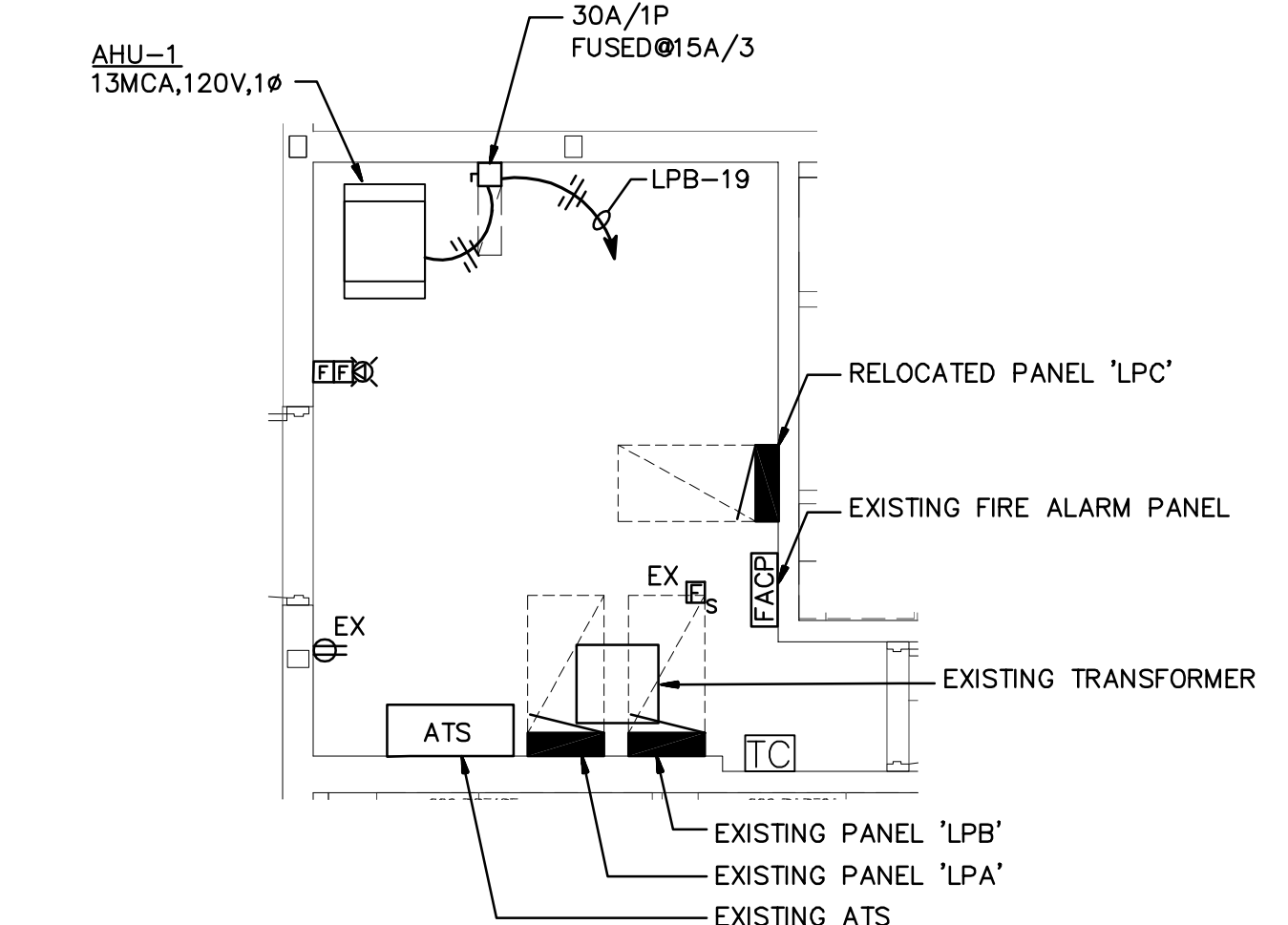
POWER & SYSTEMS PLAN - BASE BID
SCALE: 1/8" = 1'-0"



LIGHTING PLAN - BASE BID
SCALE: 1/8" = 1'-0"



ENLARGED NETWORK ROOM 108 POWER PLAN
SCALE: 1/4" = 1'-0"



ENLARGED MECHANICAL ROOM 106 POWER PLAN
SCALE: 1/4" = 1'-0"

CLASSROOM EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	POWER REQUIREMENTS
①	POWER DISTRIBUTION LEARNING SYSTEM	6A, 208V, 3Ø. CORD AND PLUG. PROVIDE 20A MATCHING RECEPTACLE.
②	ELECTRIC MOTOR CONTROL LEARNING SYSTEM	208V, 3Ø. CORD AND PLUG. PROVIDE 20A MATCHING RECEPTACLE.
③	AC/DC ELECTRICAL TRAINING SYSTEM	120V, 1Ø. CORD AND PLUG.
④	ELECTRICAL WIRING LEARNING SYSTEM	208V, 3Ø. CORD AND PLUG. PROVIDE 20A MATCHING RECEPTACLE.
⑤	FANUC CERT DELTA ROBOT	120V, 1Ø. CORD AND PLUG.
⑥	PORTABLE PLC TROUBLESHOOTING LEARNING SYSTEM	120V, 1Ø. CORD AND PLUG.
⑦	PORTABLE PLC LEARNING SYSTEM	120V, 1Ø. CORD AND PLUG.
⑧	PNEUMATICS LEARNING SYSTEM	120V, 1Ø. CORD AND PLUG.
⑨	PLC LOGIC	2A, 120V, 1Ø. CORD AND PLUG.

NOTES

- EXTERIOR LIGHTING SHALL BE CONTROLLED BY REMOTE PHOTOCELL AND TIME CLOCK. ROUTE TO EMERGENCY CIRCUIT AS INDICATED. SEE LIGHTING CONTACTOR DIAGRAM ON SHEET E4.0.
- PHOTOCELL SHALL BE MOUNTED AWAY FROM ARTIFICIAL LIGHTING.

GENERAL NOTES:

- REFER TO SHEET E0.1 FOR ELECTRICAL REMOVAL NOTES.

Revisions

No.	Date	Description

BUILDING DATA

UCC STATE OF NEW JERSEY - REHABILITATION SUBCODE NJAC 5:23.6, SUBCHAPTER 6 - RECONSTRUCTION

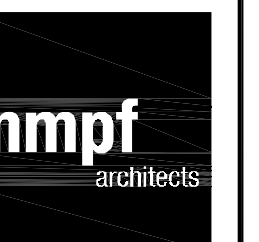
USE GROUP: B - BUSINESS
CONSTRUCTION CLASSIFICATION: 5B

AREA OF RECONSTRUCTION:
BASE BID: 2,630 SF
ALTERNATE No. 2: 818 SF
ALTERNATE No. 3: 2,894 SF
TOTAL AREA OF RECONSTRUCTION: 6,342 SF



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Peter W. Farrell AIA AI-13618

Project

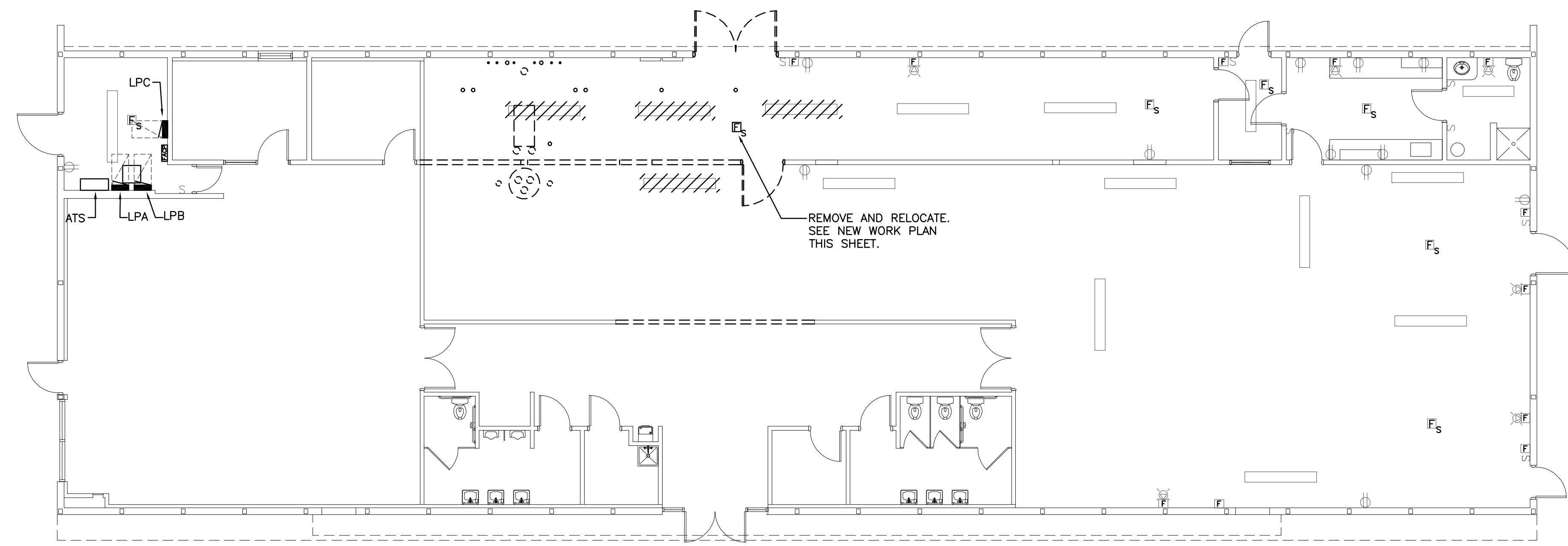
RENOVATIONS TO:
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Drawing

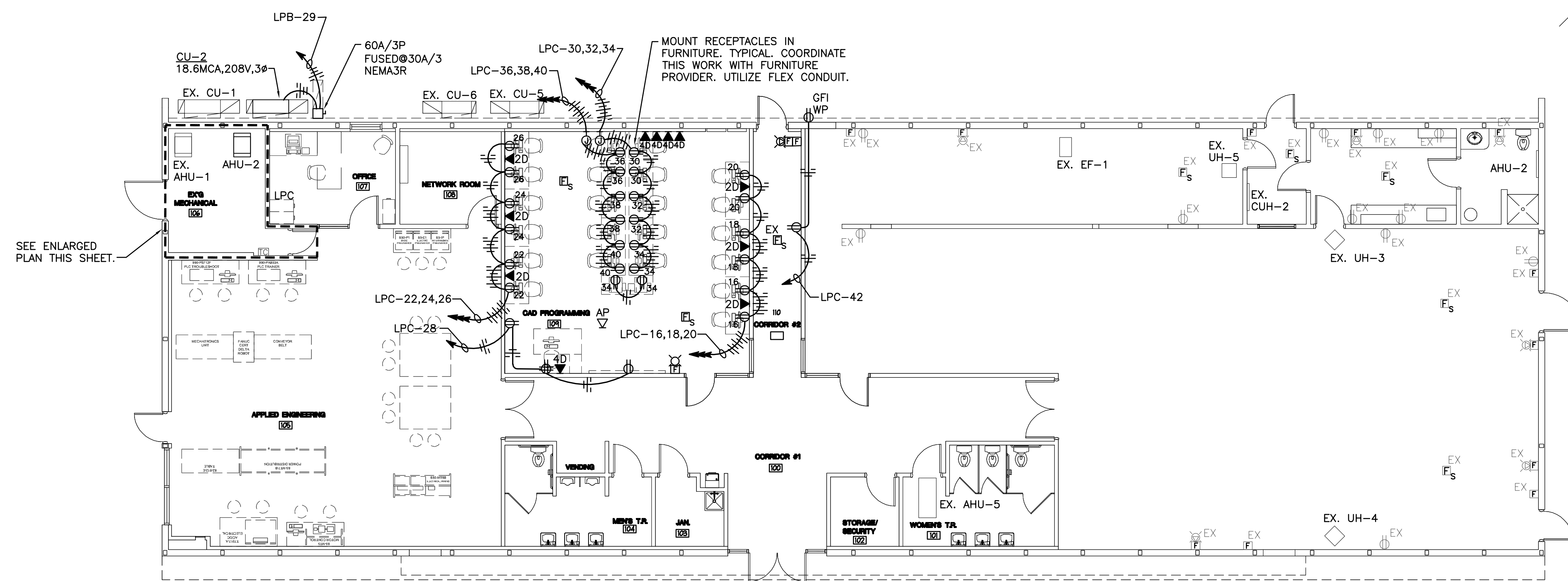
FIRST FLOOR BASE
BID LIGHTING, POWER
AND SYSTEMS PLAN

Scale	Job	Sheet
AS NOTED	19002	E1.0
Drawn	Date	2 of 5
PTB	03/18/19	



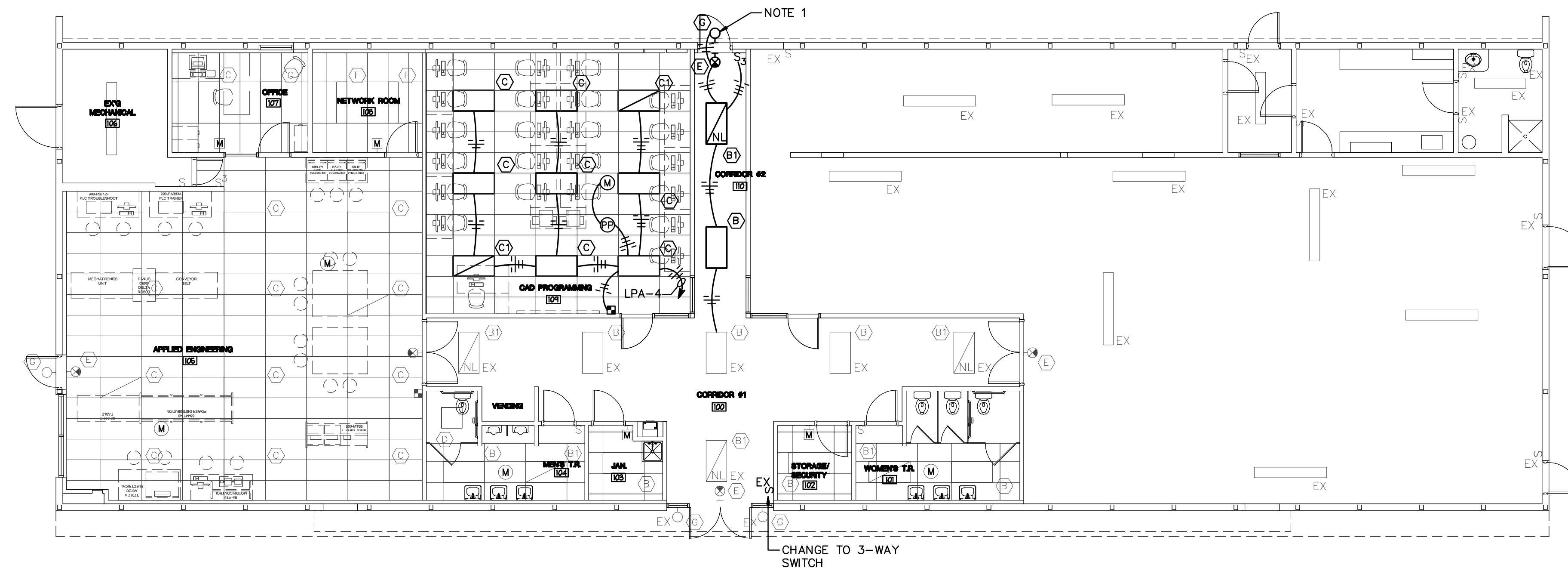
ELECTRICAL REMOVAL PLAN - ALTERNATE 2

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



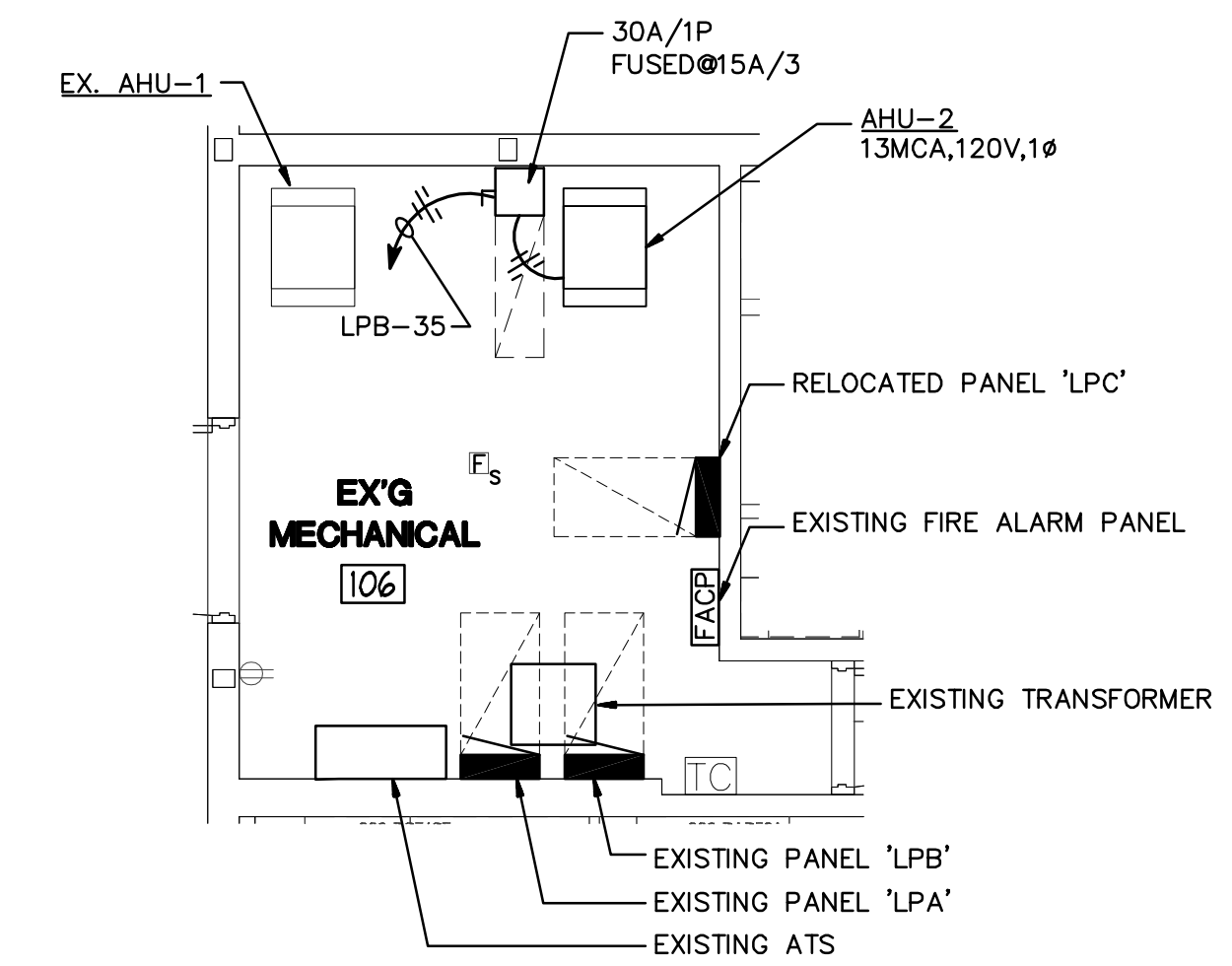
POWER & SYSTEMS PLAN - ALTERNATE 2

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



LIGHTING PLAN - ALTERNATE 2

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



ENLARGED MECHANICAL ROOM 106 POWER PLAN

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

NOTES

- EXTERIOR LIGHTING SHALL BE CONTROLLED BY REMOTE PHOTOCELL AND TIME CLOCK. ROUTE TO EMERGENCY CIRCUIT AS INDICATED. SEE LIGHTING CONTACTOR DIAGRAM ON SHEET E4.0.

GENERAL NOTES:

- REFER TO SHEET E0.1 FOR ELECTRICAL REMOVAL NOTES.

Revisions		
No.	Date	Description

BUILDING DATA

UCC STATE OF NEW JERSEY - REHABILITATION SUBCODE NJAC 5:23.6, SUBCHAPTER 6 - RECONSTRUCTION

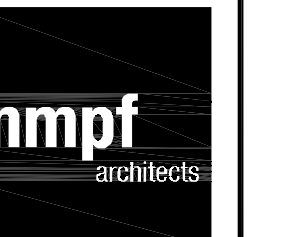
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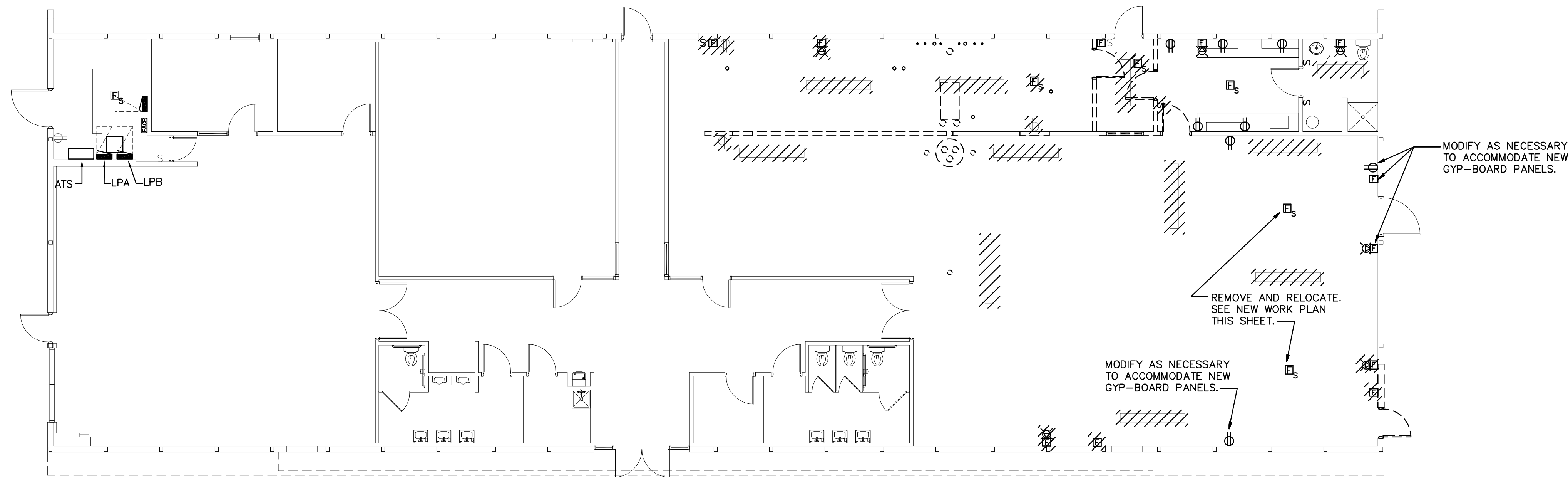
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Peter W. Farrell AIA AI-13618

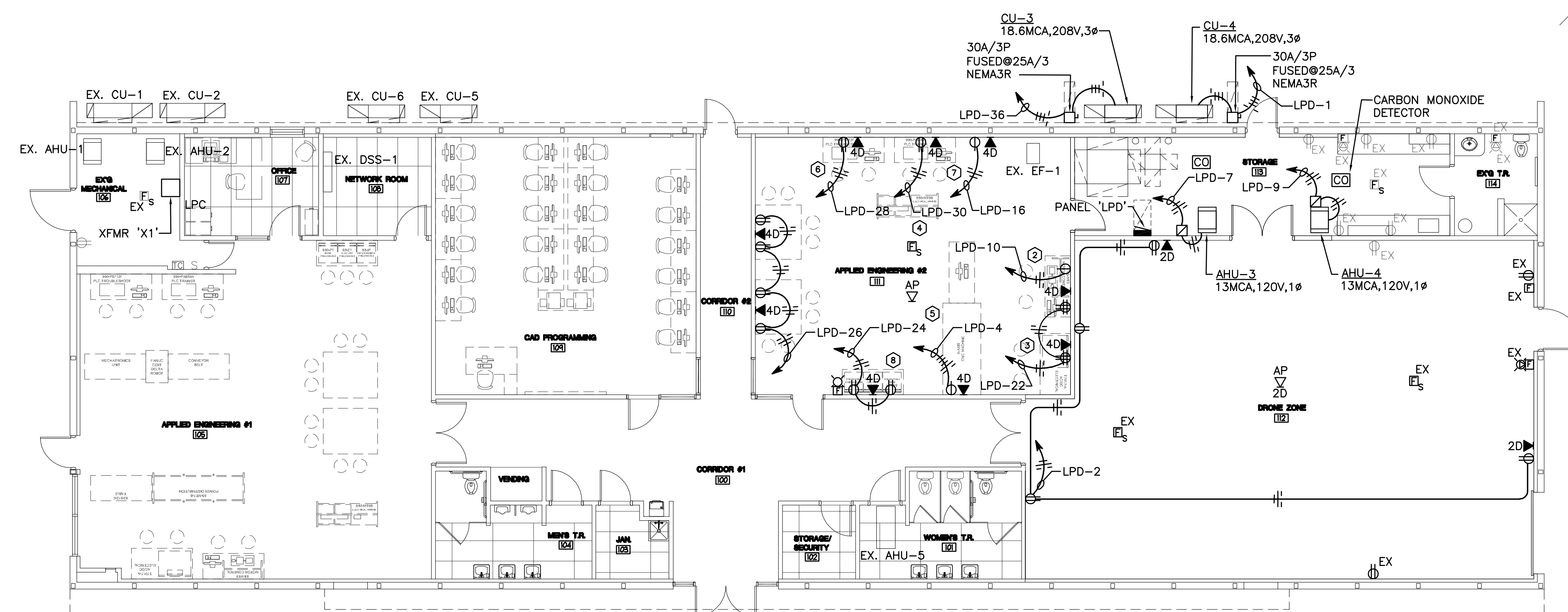
Project
RENOVATIONS TO:
ENGINEERING LAB
CUMBERLAND COUNTY COLLEGE
3322 COLLEGE DR. VINELAND, NJ 08360

Drawing
FIRST FLOOR
ALTERNATE 2
LIGHTING, POWER AND
SYSTEMS PLAN

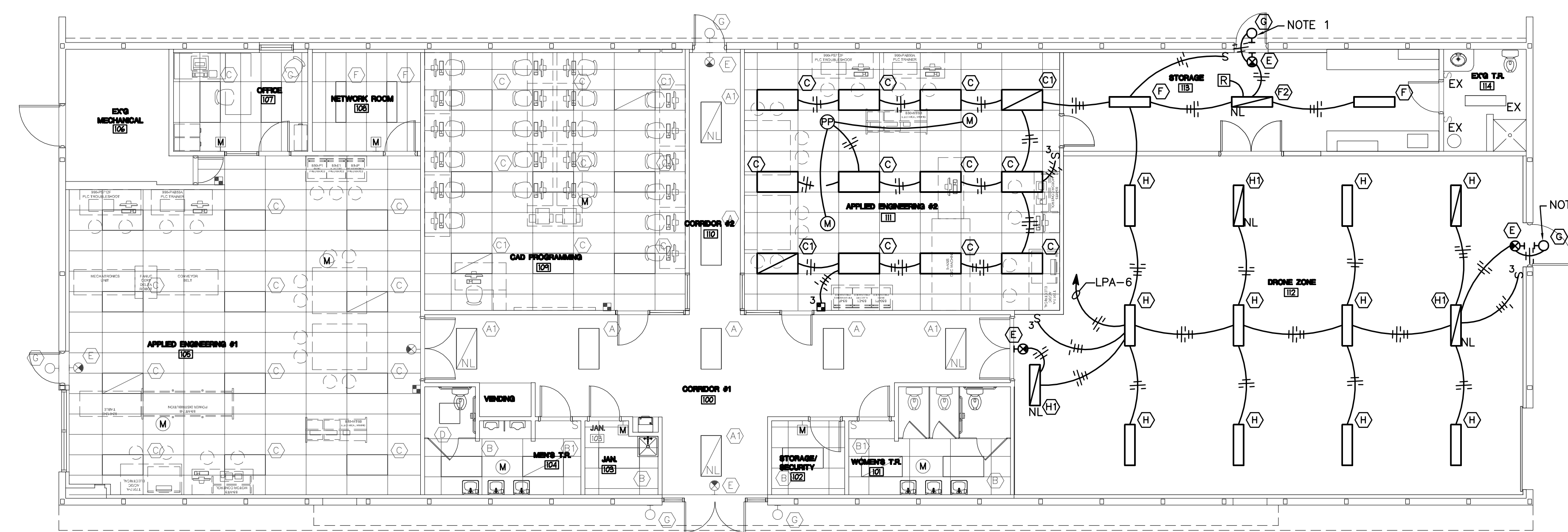
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AS NOTED	19002	E2.0
Drawn	Date	
PTB	03/18/19	3 of 5



ELECTRICAL REMOVAL PLAN - ALTERNATE 3
SCALE: 1/8" = 1'-0"



POWER & SYSTEMS PLAN - ALTERNATE 3
SCALE: 1/8" = 1'-0"



LIGHTING PLAN - ALTERNATE 3
SCALE: 1/8" = 1'-0"

CLASSROOM EQUIPMENT SCHEDULE		
SYMBOL	DESCRIPTION	POWER REQUIREMENTS
1	NOT USED	--
2	ELECTRIC MOTOR CONTROL LEARNING SYSTEM	208V,3Ø. CORD AND PLUG. PROVIDE 20A MATCHING RECEPTACLE.
3	AC/DC ELECTRICAL TRAINING SYSTEM	120V,1Ø. CORD AND PLUG.
4	ELECTRICAL WIRING LEARNING SYSTEM	208V,3Ø. CORD AND PLUG. PROVIDE 20A MATCHING RECEPTACLE.
5	5-AXIS CNC MACHINE	208V,3Ø. CORD AND PLUG. PROVIDE 20A MATCHING RECEPTACLE.
6	PORTABLE PLC TROUBLESHOOTING LEARNING SYSTEM	120V,1Ø. CORD AND PLUG.
7	PORTABLE PLC LEARNING SYSTEM	120V,1Ø. CORD AND PLUG.
8	PNEUMATICS LEARNING SYSTEM	120V,1Ø. CORD AND PLUG.
9	NOT USED	--

NOTES

- EXTERIOR LIGHTING SHALL BE CONTROLLED BY REMOTE PHOTOCELL AND TIME CLOCK. ROUTE TO EMERGENCY CIRCUIT AS INDICATED. SEE LIGHTING CONTROL WIRING DIAGRAM ON SHEET E4.0.

GENERAL NOTES:

- REFER TO SHEET E0.1 FOR ELECTRICAL REMOVAL NOTES.

Revisions		
No.	Date	Description

BUILDING DATA

UCC STATE OF NEW JERSEY - REHABILITATION SUBCODE NJAC 5:23.6, SUBCHAPTER 6 - RECONSTRUCTION

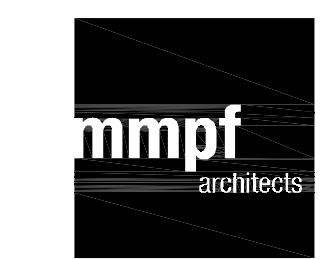
USE GROUP: B - BUSINESS
CONSTRUCTION CLASSIFICATION: 5B

AREA OF RECONSTRUCTION:
BASE BID: 2,630 SF
ALTERNATE No. 2: 818 SF
ALTERNATE No. 3: 2,894 SF
TOTAL AREA OF RECONSTRUCTION: 6,342 SF



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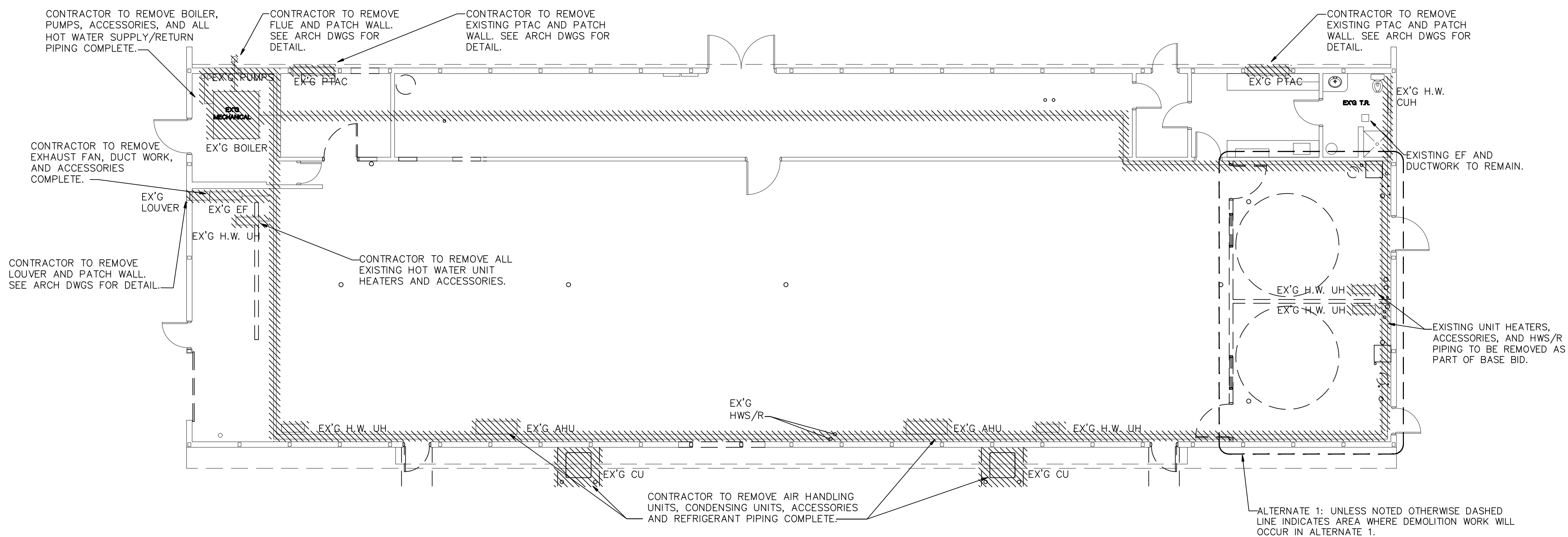
David G. Manders AIA AI-07220
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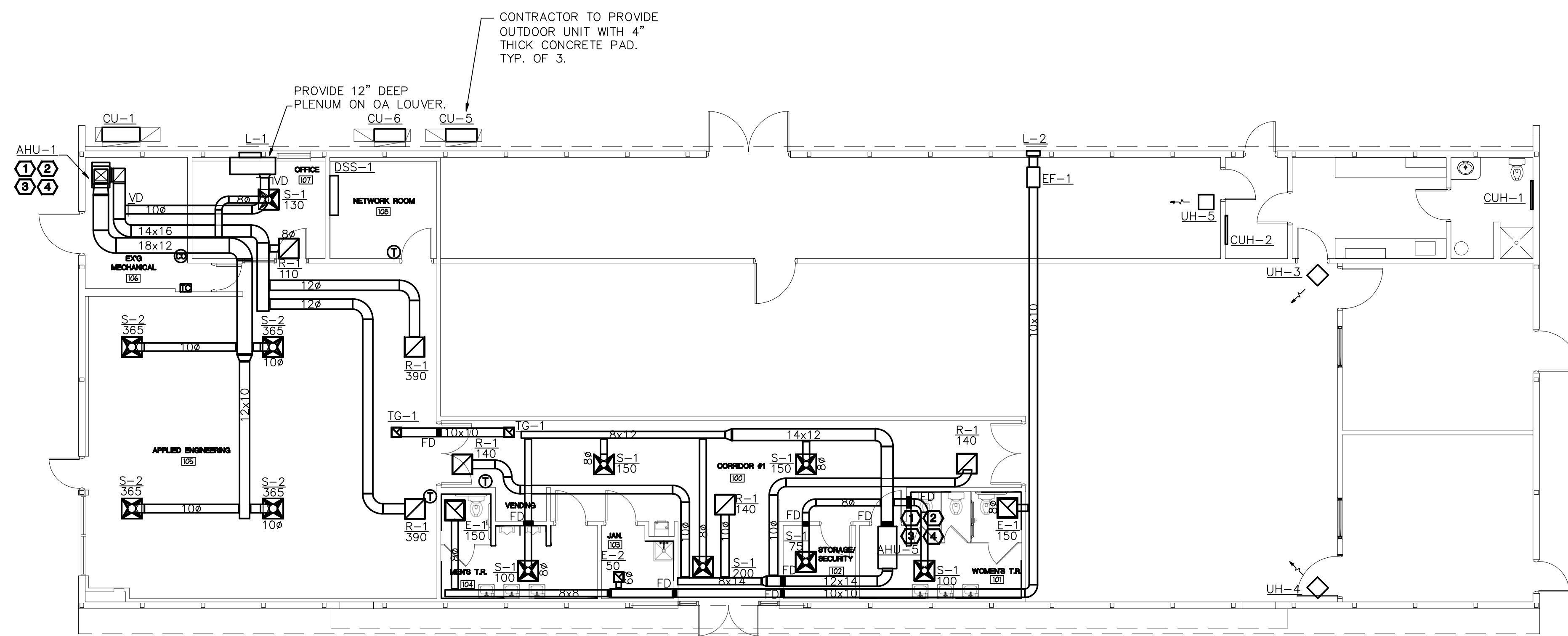
Drawing
FIRST FLOOR
ALTERNATE 3
LIGHTING, POWER AND SYSTEMS PLAN

Scale AS NOTED
Job 19002
Sheet **E3.0**
Drawn PTB
Date 03/18/19
4 of 5

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



FIRST FLOOR HVAC PLAN - BASE BID
SCALE: 3/8" = 1'-0"

- KEYNOTES:**
1. CONTRACTOR TO PIPE REFRIGERANT PER MANUFACTURER RECOMMENDATIONS.
 2. CONTRACTOR TO PROVIDE FURNACE WITH CONCENTRIC VENT KIT AND TERMINATE AT SOUTH WALL.
 3. CONTRACTOR TO PROVIDE CONDENSATE PUMP FOR AIR HANDLING UNIT AND ROUTE 3/4" CONDENSATE PIPE TO SOUTH WALL AND SPILL TO GRADE. REFER TO DETAIL LOCATED ON M0.1.
 4. CONTRACTOR TO ROUTE 3/4" CONDENSATE PIPE TO JANITOR 106 AND SPILL TO MOP BASIN. MAINTAIN 1" AIR GAP. REFER TO DETAIL LOCATED ON M0.1.

DEMO NOTES:

- A. THE REMOVAL DRAWINGS SHALL SERVE TO AID THE CONTRACTOR IN THE EVALUATION OF THE EXTENT OF REMOVALS, BUT SHALL NOT BE HELD TO BE ALL INCLUSIVE.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE AREA TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS, VERIFY SIZE, LOCATION, AND USAGE OF EXISTING UTILITIES PRIOR TO REMOVAL. FOR FURTHER INFORMATION WITH REGARD TO THE EXTENT OF REMOVALS, SEE THE CONSTRUCTION DRAWINGS AND THE ARCHITECTURAL DRAWINGS WHICH SHOW WORK TO BE PERFORMED.
- C. CUT, PATCH & REPAIR ALL OPENINGS IN WALLS, FLOORS, CEILINGS, ETC. WHERE REQUIRED BY THE REMOVAL OF EQUIPMENT, DUCTWORK, AND ACCESSORIES. PATCHING SHALL MATCH EXISTING CONSTRUCTION & FINISHES. COORDINATE ALL PATCHING AND FINISHES WITH ARCHITECT. PATCHING OF FIRE WALLS SHALL MEET THE RATING AND SHALL BE INSTALLED PER ARCHITECTURAL SPECIFICATION.
- D. REMOVAL OF EXISTING EQUIPMENT, PIPING OR DUCTWORK SHALL BE MADE SO THAT SERVICE TO OTHER AREAS UTILIZED BY THE OWNER ARE NOT INTERRUPTED WITHOUT CONSENT FROM OWNER. PROVIDE TEMPORARY VALVES AND TEMPORARY SERVICES REQUIRED DURING REMOVALS AND CONSTRUCTION.
- E. REMOVE COMPLETELY ALL EXISTING HVAC EQUIPMENT, ALL ASSOCIATED PIPING, CONTROLS, AND SUPPORTS BEING MADE OBSOLETE BY THIS CONSTRUCTION. REMOVAL OF HVAC DUCTWORK AND PIPING SHALL BE MADE BACK TO MAINS UNLESS INDICATED BY THE HATCHING.

Revisions		
No.	Date	Description

BUILDING DATA

UCC STATE OF NEW JERSEY - REHABILITATION SUBCODE NJAC 5:23.6, SUBCHAPTER 6 - RECONSTRUCTION

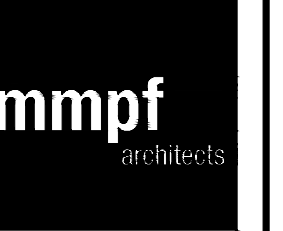
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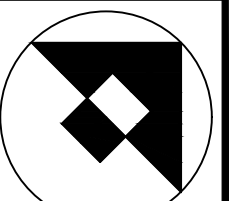
David G. Manders AIA AI-07220
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Peter W. Farrell AIA AI-13618

Project

RENOVATIONS TO:
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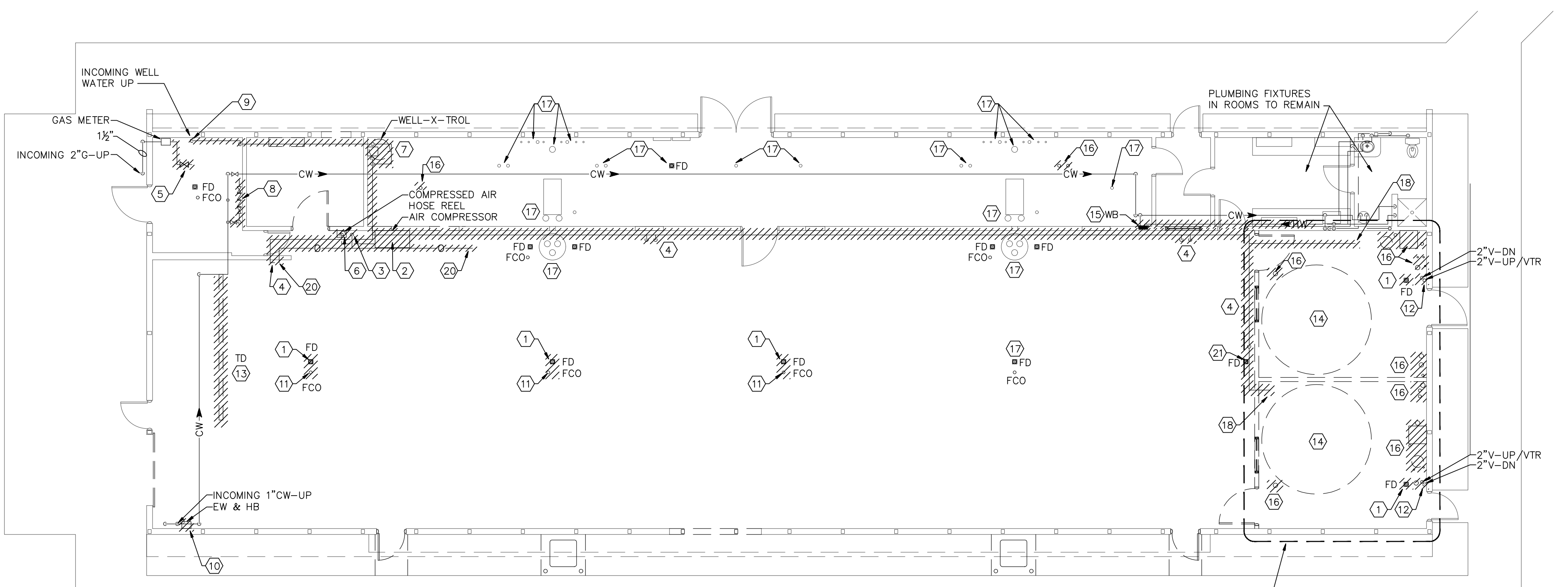
CUMBERLAND COUNTY COLLEGE
3322 COLLEGE DR. VINELAND, NJ 08360

Drawing
HVAC BASE BID



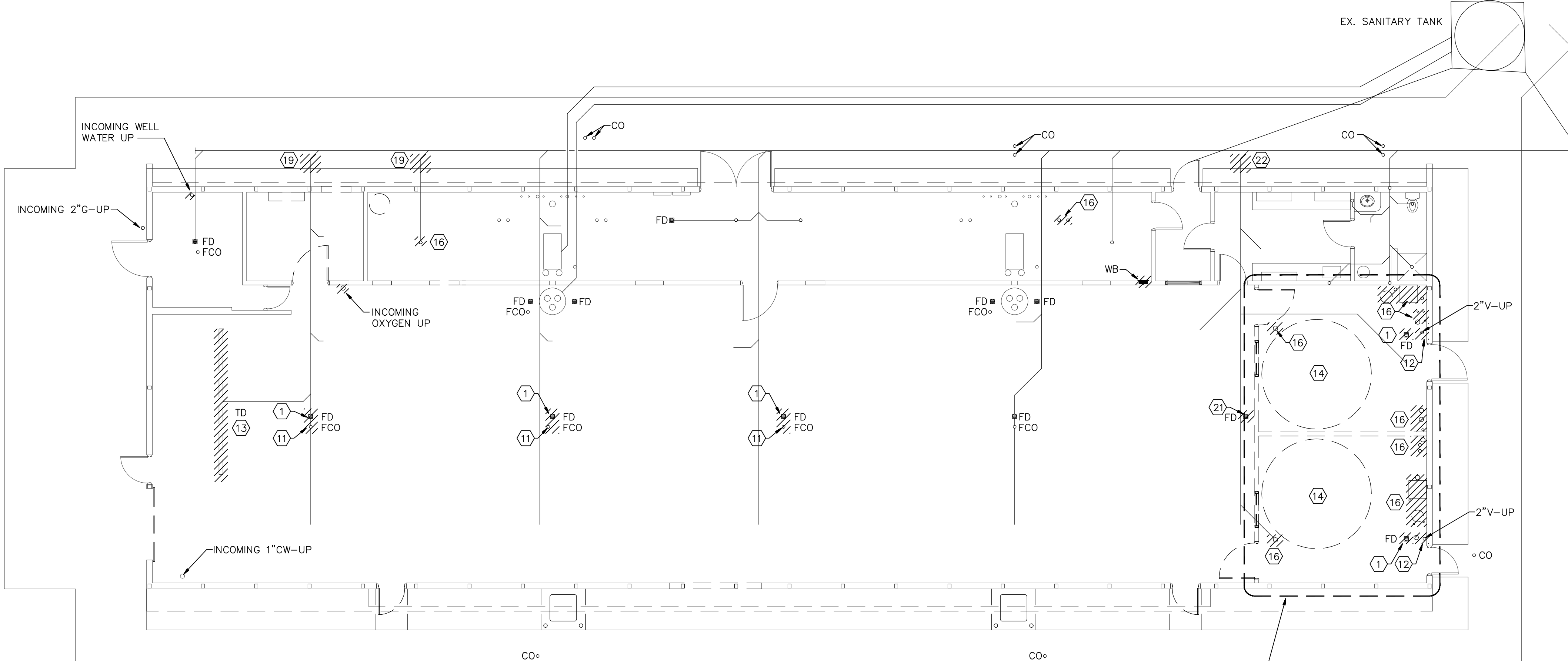
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FIRST FLOOR PLUMBING REMOVAL PLAN - BASE BID
 SCALE: 1/8" = 1'-0"

ALTERNATE 1: UNLESS NOTED OTHERWISE DASHED LINE INDICATES AREA WHERE DEMOLITION WORK WILL OCCUR IN ALTERNATE 1. UNLESS OTHERWISE NOTED NO WORK IN THIS AREA SHALL BE INCLUDED IN THE BASE BID. REFER TO ARCHITECTURAL PLANS FOR DETAILS.



FOUNDATION PLUMBING REMOVAL PLAN - BASE BID
 SCALE: 1/8" = 1'-0"

ALTERNATE 1: UNLESS NOTED OTHERWISE DASHED LINE INDICATES AREA WHERE DEMOLITION WORK WILL OCCUR IN ALTERNATE 1. UNLESS OTHERWISE NOTED NO WORK IN THIS AREA SHALL BE INCLUDED IN THE BASE BID. REFER TO ARCHITECTURAL PLANS FOR DETAILS.

GENERAL PLUMBING REMOVAL NOTES:

- A. THESE REMOVAL DRAWINGS SHALL SERVE TO AID THE CONTRACTOR IN HIS EVALUATION OF THE EXTENT OF REMOVALS, BUT SHALL NOT BE HELD TO BE ALL INCLUSIVE.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE BUILDING AND SITE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. VERIFY SIZE, LOCATION, AND USAGE OF UTILITIES AND EQUIPMENT PRIOR TO REMOVAL.
- C. FOR FURTHER INFORMATION WITH REGARD TO THE EXTENT OF REMOVALS, SEE THE NEW CONSTRUCTION PLANS WHICH ILLUSTRATE THE NEW CONSTRUCTION.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED FOR THE INSTALLATION OF THE NEW WORK.
- E. ALL PLUMBING FIXTURES INDICATED AS CROSS HATCHED OR NOTED, SHALL BE DISCONNECTED AND REMOVED.
- F. THE CONTRACTOR SHALL REMOVE, BACK TO THE MAIN PIPING AND CAP, ALL WASTE, VENT AND WATER PIPING ASSOCIATED WITH THE REMOVED PLUMBING FIXTURES INDICATED AS CROSS HATCHED OR NOTED.
- G. ALL EQUIPMENT REMOVED FOR RELOCATION SHALL BE REMOVED IN SUCH A MANNER THAT REUSE IS POSSIBLE.
- H. CAP AND/OR PLUG WASTE, VENT & WATER PIPING VOIDED BY THE REMOVAL OF FIXTURES AND EQUIPMENT. PATCH ALL OPENINGS IN WALLS, FLOORS, AND CEILINGS WHERE THE REMOVAL OF PIPING, FIXTURES AND EQUIPMENT CREATES SUCH OPENINGS. PATCH OPENINGS TO MATCH EXISTING. PATCHING OF FIRE RATED WALLS AND CEILINGS SHALL MATCH THE FIRE RATING.
- I. IF PORTIONS OF PIPING SERVING FIXTURES AND EQUIPMENT TO REMAIN MUST BE RELOCATED OR REMOVED DUE TO OTHER REMOVAL OR DUE TO INTERFERENCE WITH NEW FIXTURES AND EQUIPMENT INSTALLATION, THE PIPING SHALL BE MODIFIED IN SUCH A MANNER WHICH WILL ENSURE PROPER OPERATION OF THE FIXTURE AND EQUIPMENT AFTER CONSTRUCTION IS COMPLETE. USE THE SAME SIZE & TYPE PIPING AS THE EXISTING TO MAKE THE REQUIRED MODIFICATIONS. EXISTING PIPING EXPOSED DURING REMOVALS WHICH REMAIN TO SERVE FIXTURES AND EQUIPMENT SHALL BE RESUPPORTED IN ACCORDANCE WITH THE STATE PLUMBING CODE.
- J. THE OWNER SHALL HAVE FIRST PREFERENCE TO ALL REMOVED ITEMS. ITEMS UNDESIRABLE TO THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE OWNER'S PROPERTY AND DISPOSED OF IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

REMOVAL KEYED NOTES:

1. REMOVE FLOOR DRAIN COMPLETE. REMOVE WASTE PIPING TO 6" BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
2. REMOVE AIR COMPRESSOR COMPLETE.
3. REMOVE PREVIOUSLY ABANDONED OXYGEN AND ASSOCIATED PVC PIPING FLUSH WITH TOP OF SLAB. PLUG AND FILL PIPE WITH CONCRETE FLUSH WITH TOP OF SLAB.
4. REMOVE WELL WATER PIPING COMPLETE.
5. REMOVE GAS PIPING AND ALL ACCESSORIES FROM BOILER BACK TO GAS METER COMPLETE. EXISTING METER TO REMAIN. PREPARE PIPING FOR NEW CONNECTION.
6. REMOVE COMPRESSED AIR HOSE REEL AND ALL ASSOCIATED PIPING COMPLETE.
7. REMOVE WELL-X-TROL AND ALL ASSOCIATED WELL WATER PIPING COMPLETE.
8. REMOVE BOILER MAKE UP WATER PIPING, BACKFLOW PREVENTER, AND ALL ACCESSORIES TO MAIN AND CAP.
9. REMOVE WELL WATER PIPING FLUSH WITH TOP OF SLAB. PLUG AND FILL PIPE WITH CONCRETE FLUSH WITH TOP OF SLAB.
10. REMOVE EMERGENCY EYEWASH, HOSE BIBB, AND ASSOCIATED PIPING TO INCOMING DOMESTIC COLD WATER MAIN AND CAP. INCOMING MAIN TO REMAIN.
11. REMOVE FLOOR CLEANOUT COMPLETE. REMOVE WASTE PIPING TO 6" BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
12. REMOVE VENT PIPING FLUSH WITH TOP OF SLAB. PLUG AND FILL PIPE WITH CONCRETE FLUSH WITH TOP OF SLAB. REMOVE VENT THRU ROOF. PATCH ROOF TO MATCH EXISTING.
13. REMOVE TRENCH DRAIN COMPLETE. REMOVE WASTE PIPING TO 6" BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
14. REMOVE ALL EXISTING BUILDING SYSTEM PIPING ASSOCIATED WITH TANK FLUSH WITH TOP OF SLAB. PLUG AND FILL PIPE WITH CONCRETE FLUSH WITH TOP OF SLAB.
15. REMOVE WASHER BOX COMPLETE. REMOVE WASTE PIPING TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING. REMOVE VENT, HOT AND COLD WATER TO MAINS AND CAP. FIELD VERIFY EXACT ROUTING OF EXISTING VENT.
16. REMOVE ALL EXISTING BUILDING SYSTEM PIPING AND VENTS FLUSH WITH TOP OF SLAB. PLUG AND FILL PIPE WITH CONCRETE FLUSH WITH TOP OF SLAB. REMOVE ALL EXISTING BUILDING SYSTEM FLOOR DRAINS AND CLEANOUTS TO 6" BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
17. EXISTING BUILDING SYSTEM PIPING, VENTS, DRAINS, AND CLEANOUTS TO REMAIN.
18. REMOVE WELL WATER PIPING COMPLETE. INCLUDE IN BASE BID.
19. REMOVE SANITARY PIPING AND CAP BOTH ENDS OF PIPE. REMAINING PIPING TO BE ABANDONED IN PLACE. FIELD VERIFY EXACT LOCATION. CONTRACTOR TO BE RESPONSIBLE FOR ALL EXCAVATION AND BACKFILL ASSOCIATED WITH THE CAPPING OF THE SANITARY PIPING. EXISTING SIDEWALK TO REMAIN. CONTRACTOR TO BE RESPONSIBLE FOR REPAIRS FOR ANY DAMAGE TO SIDEWALK.
20. REMOVE PREVIOUSLY ABANDONED OXYGEN PIPING COMPLETE.
21. BASE BID: EXISTING FLOOR DRAIN TO REMAIN. ALTERNATE 1: REMOVE FLOOR DRAIN COMPLETE. REMOVE WASTE PIPING TO 6" BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
22. BASE BID: EXISTING SANITARY PIPING TO REMAIN. ALTERNATE 1: REMOVE SANITARY PIPING AND CAP BOTH ENDS OF PIPE. REMAINING PIPING TO BE ABANDONED IN PLACE. FIELD VERIFY EXACT LOCATION. CONTRACTOR TO BE RESPONSIBLE FOR ALL EXCAVATION AND BACKFILL ASSOCIATED WITH THE CAPPING OF THE SANITARY PIPING. EXISTING SIDEWALK TO REMAIN. CONTRACTOR TO BE RESPONSIBLE FOR REPAIRS FOR ANY DAMAGE TO SIDEWALK.

Revisions		
No.	Date	Description

BUILDING DATA

UCO STATE OF NEW JERSEY - REHABILITATION SUBCODE NJAC 5:23.6, SUBCHAPTER 6 - RECONSTRUCTION

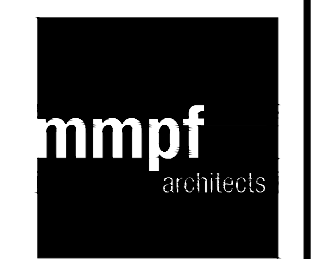
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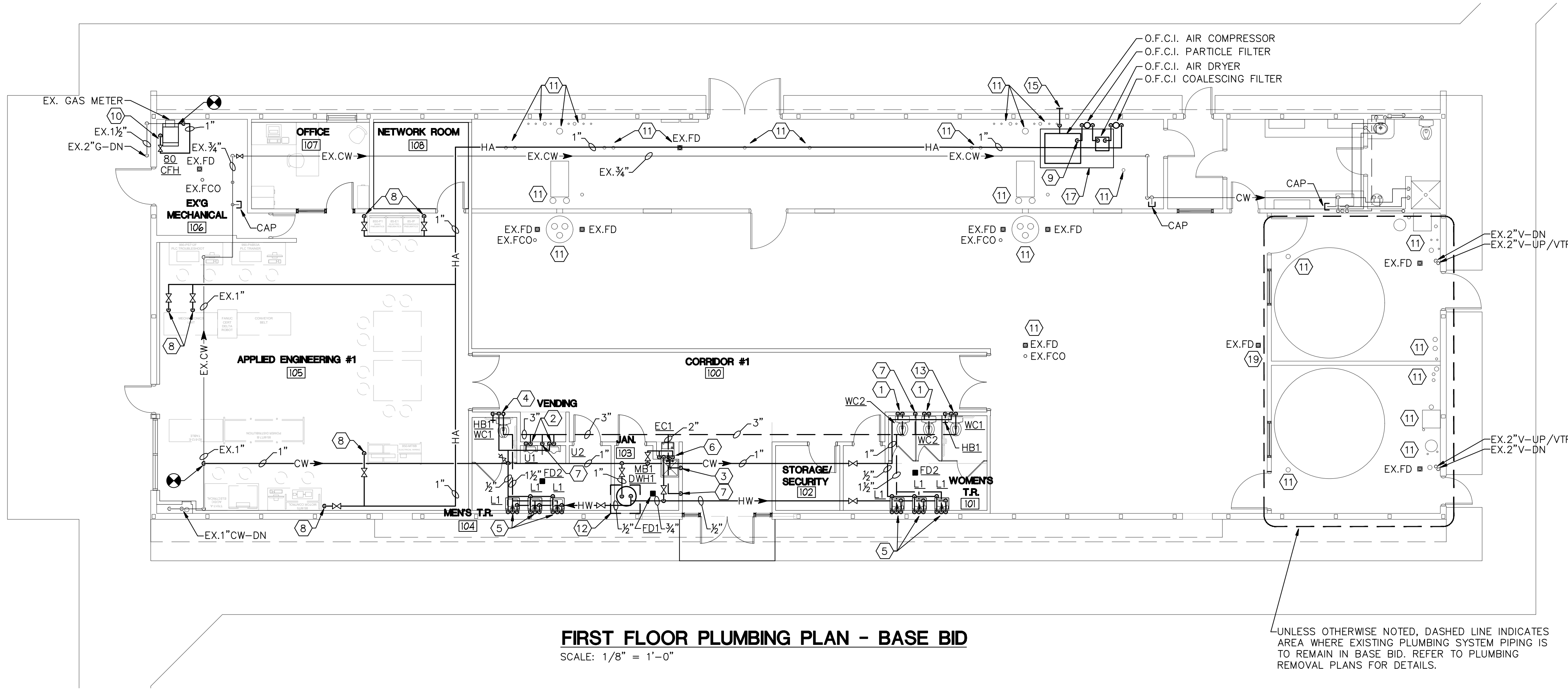
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 Lawrence J. Merighi AIA AI-04473
 Ronald P. Portadin AIA AI-19058
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Project
**RENOVATIONS TO:
 ENGINEERING LAB**

CUMBERLAND COUNTY COLLEGE
 3322 COLLEGE DR. VINELAND, NJ 08360

Drawing FIRST FLOOR PLUMBING REMOVAL PLAN - BASE BID AND ALTERNATE 1	Scale AS NOTED	Job 19002	Sheet P1.0
Drawn GJK	Date 03/18/19	2 of 6	

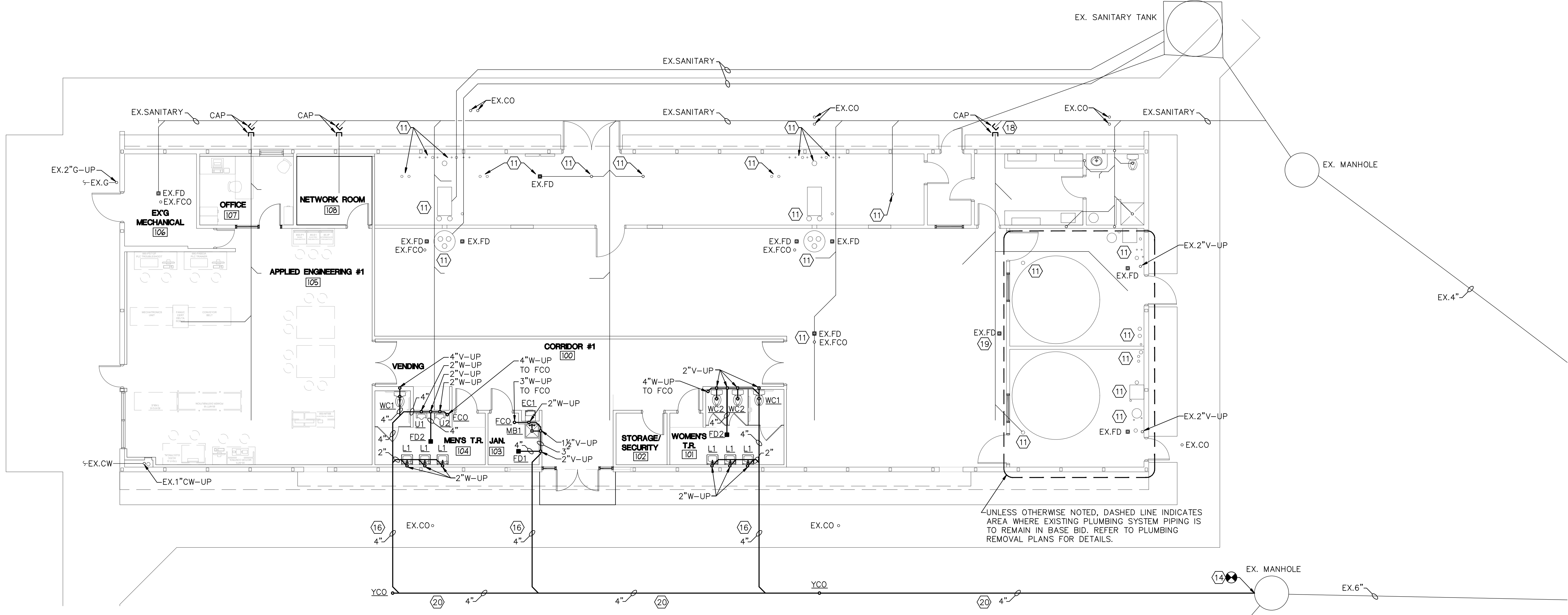


FIRST FLOOR PLUMBING PLAN - BASE BID
SCALE: 1/8" = 1'-0"

UNLESS OTHERWISE NOTED, DASHED LINE INDICATES AREA WHERE EXISTING PLUMBING SYSTEM PIPING IS TO REMAIN IN BASE BID. REFER TO PLUMBING REMOVAL PLANS FOR DETAILS.

KEYED NOTES:

- 2" VENT, 3/4" COLD WATER DOWN TO FIXTURE.
- 1 1/2" VENT, 3/4" COLD WATER DOWN TO FIXTURE. PROVIDE WATER HAMMER ARRESTOR.
- 1 1/2" VENT, 3/4" HOT AND COLD WATER DOWN TO MOP BASIN.
- 4" VENT, 1/2" COLD WATER DOWN TO FIXTURE, 1/2" COLD WATER TO HOSE BIBB, 4" VENT UP, 4" VENT THRU ROOF.
- 1 1/2" VENT, 1/2" HOT AND COLD WATER DOWN TO FIXTURE.
- 1 1/2" VENT, 1/2" COLD WATER DOWN TO WATER COOLER.
- 2" VENT DOWN TO FLOOR DRAIN.
- 3/4" COMPRESSED AIR DOWN TO O.F.C.I. MILTON INDUSTRIES COMBINATION FILTER REGULATOR. PROVIDE ISOLATION VALVE AND DRIP LEG. CONNECT TO CLASSROOM EQUIPMENT. COORDINATE WITH EQUIPMENT MANUFACTURER FOR FINAL CONNECTION.
- ROUTE 3/4" COMPRESSED AIR DOWN FROM AIR COMPRESSOR TO PARTICLE FILTER TO AIR DRYER TO COALESCING FILTER. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. EXTEND 1" COMPRESSED AIR FROM COALESCING FILTER TO REST OF BUILDING COMPRESSED AIR SYSTEM AS INDICATED.
- 1" GAS TO AIR HANDLING UNIT. PROVIDE WITH UNION, GAS VALVE, AND DIRT LEG.
- EXISTING BUILDING SYSTEM PIPING, VENTS, DRAINS, AND CLEANOUTS TO REMAIN.
- SEE DOMESTIC WATER HEATER DIAGRAM FOR PIPING ARRANGEMENT IN THIS AREA.
- 2" VENT, 1/2" COLD WATER DOWN TO FIXTURE, 1/2" COLD WATER TO HOSE BIBB.
- PROVIDE DROP INLET. MODIFY MANHOLE AND BOTTOM OF MANHOLE TO ACCOMMODATE NEW SANITARY CONNECTION.
- 2" REMOTE AIR INLET FOR OWNER FURNISHED. CONTRACTOR INSTALLED AIR COMPRESSOR. PROVIDE INGERSOLL RAND AIR FILTER AND HOOD, OR EQUIVALENT. PROVIDE DRIP LEG. INSTALL PER INGERSOLL RAND AIR COMPRESSOR MODEL 2475N7.5V INSTALLATION RECOMMENDATIONS.
- EXISTING SIDEWALK TO REMAIN. CONTRACTOR TO BE RESPONSIBLE FOR ALL EXCAVATION, TRENCH WORK, AND BACKFILL ASSOCIATED WITH NEW SANITARY PIPE BELOW SIDEWALK. INSTALL PER STATE CODE. CONTRACTOR TO BE RESPONSIBLE FOR REPAIRS FOR ANY DAMAGE TO THE SIDEWALK.
- CONTRACTOR TO PROVIDE AND INSTALL 4" THICK, REINFORCED, AND DOWELED INTO FLOOR 4x8' CONCRETE HOUSEKEEPING PAD FOR NEW AIR COMPRESSOR AND DRYER.
- BASE BID: EXISTING SANITARY PIPING TO REMAIN. ALTERNATE 1: EXISTING PIPING TO BE REMOVED AND CAPPED. REFER TO DEMOLITION PLANS.
- BASE BID: EXISTING FLOOR DRAIN TO REMAIN. ALTERNATE 1: EXISTING FLOOR DRAIN TO BE REMOVED. REFER TO DEMOLITION PLANS.
- CONTRACTOR TO BE RESPONSIBLE FOR ALL EXCAVATION, TRENCH WORK, AND BACKFILL ASSOCIATED WITH NEW SANITARY PIPE. CONTRACTOR TO RESEED AREA WITH GRASS TO MATCH EXISTING SURROUNDING AREAS. INSTALL PER STATE CODE.



FOUNDATION PLUMBING PLAN - BASE BID
SCALE: 1/8" = 1'-0"

UNLESS OTHERWISE NOTED, DASHED LINE INDICATES AREA WHERE EXISTING PLUMBING SYSTEM PIPING IS TO REMAIN IN BASE BID. REFER TO PLUMBING REMOVAL PLANS FOR DETAILS.

Revisions		
No.	Date	Description

BUILDING DATA

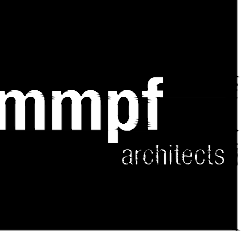
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USE GROUP: B - BUSINESS
CONSTRUCTION CLASSIFICATION: 5B

AREA OF RECONSTRUCTION:
BASE BID: 2,630 SF
ALTERNATE No. 2: 818 SF
ALTERNATE No. 3: 2,894 SF
TOTAL AREA OF RECONSTRUCTION: 6,342 SF



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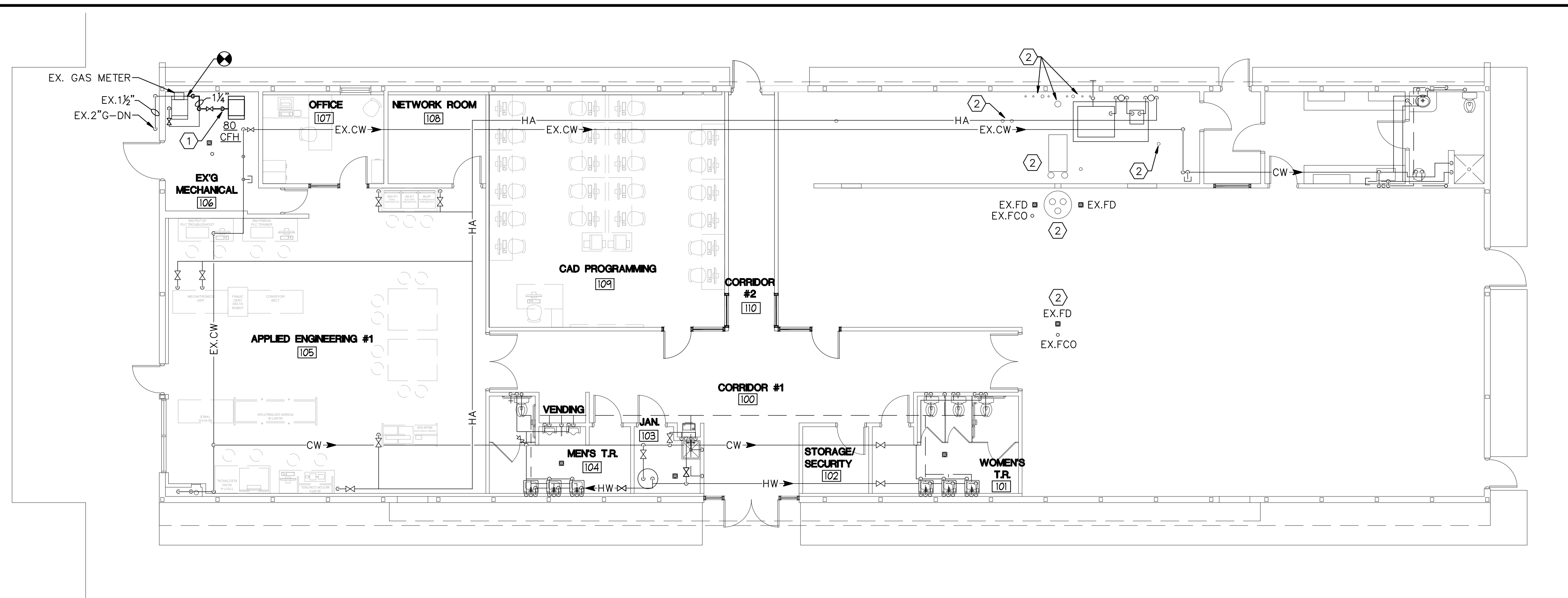


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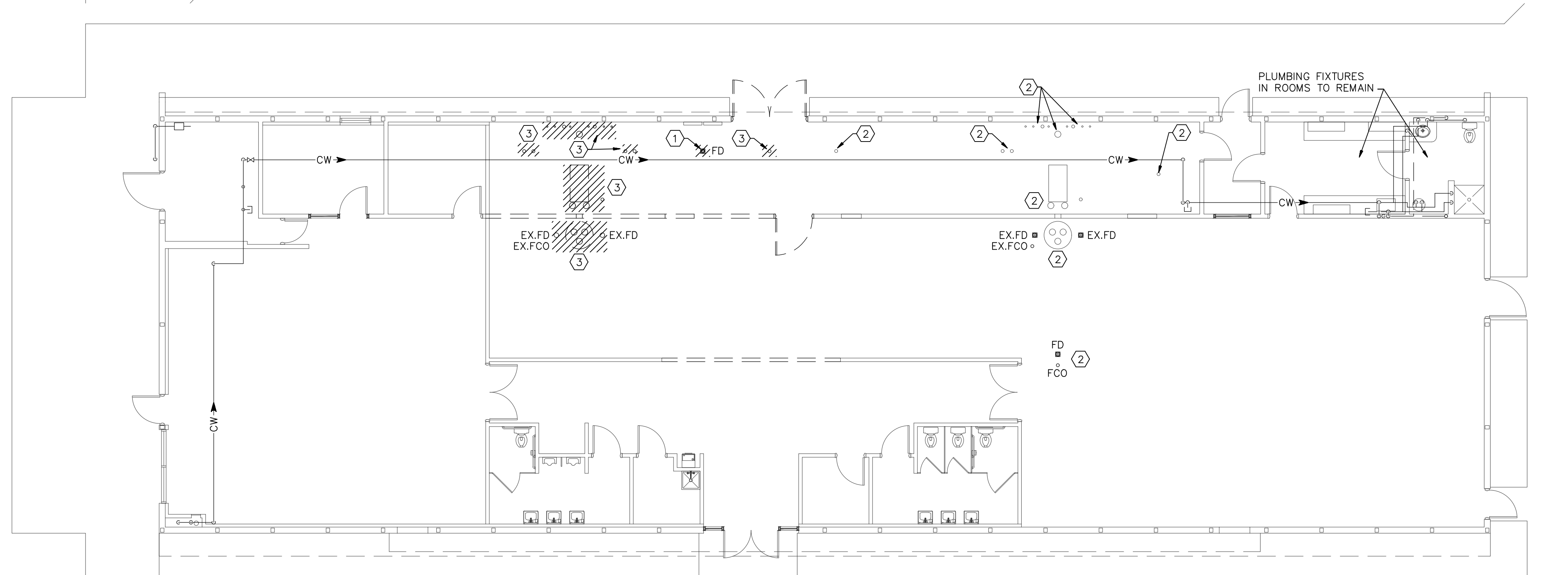
Project
**RENOVATIONS TO:
ENGINEERING
LAB**
CUMBERLAND COUNTY COLLEGE
3322 COLLEGE DR. VINELAND, NJ 08360

Drawing PLUMBING PLANS - BASE BID		
Scale AS NOTED	Job 19002	Sheet P1.1
Drawn GJK	Date 03/18/19	3 of 6

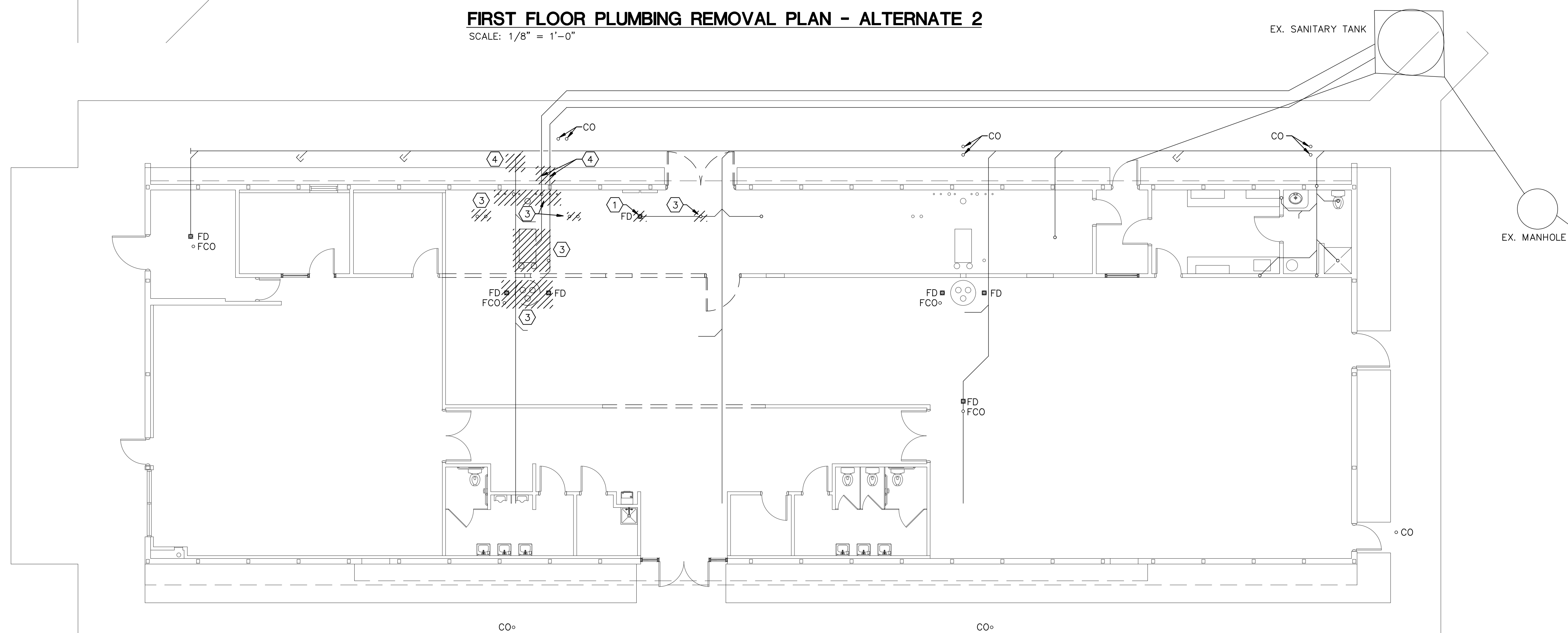
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FIRST FLOOR PLUMBING PLAN - ALTERNATE 2
SCALE: 1/8" = 1'-0"



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



FOUNDATION PLUMBING REMOVAL PLAN - ALTERNATE 2
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- ALTERNATE 2 NEW PLUMBING WORK INVOLVES PROVIDING A GAS CONNECTION TO ADDITIONAL AIR HANDLING UNIT IN EXISTING MECHANICAL ROOM 106. SEE PLANS AND KEYED NOTES FOR PIPE ROUTING, SIZING, AND DETAILS.

KEYED NOTES:

- 1" GAS TO AIR HANDLING UNIT. PROVIDE WITH UNION, GAS VALVE, AND DIRT LEG.
- EXISTING BUILDING SYSTEM PIPING, VENTS, DRAINS, AND CLEANOUTS TO REMAIN.

REMOVAL KEYED NOTES:

- REMOVE FLOOR DRAIN COMPLETE. REMOVE WASTE PIPING TO 6" BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
- EXISTING BUILDING SYSTEM PIPING, VENTS, DRAINS, AND CLEANOUTS TO REMAIN.
- REMOVE ALL EXISTING BUILDING SYSTEM PIPING AND VENTS FLUSH WITH TOP OF SLAB. PLUG AND FILL PIPE WITH CONCRETE FLUSH WITH TOP OF SLAB. REMOVE ALL EXISTING BUILDING SYSTEM FLOOR DRAINS AND CLEANOUTS TO 6" BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
- REMOVE SANITARY PIPING AND CAP BOTH ENDS OF PIPE. REMAINING PIPING TO BE ABANDONED IN PLACE. FIELD VERIFY EXACT LOCATION. CONTRACTOR TO BE RESPONSIBLE FOR ALL EXCAVATION AND BACKFILL ASSOCIATED WITH THE CAPPING OF THE SANITARY PIPING. EXISTING SIDEWALK TO REMAIN. CONTRACTOR TO BE RESPONSIBLE FOR REPAIRS FOR ANY DAMAGE TO SIDEWALK.

Revisions		
No.	Date	Description

BUILDING DATA

UCO STATE OF NEW JERSEY - REHABILITATION SUBCODE NJAC 5:23.6, SUBCHAPTER 6 - RECONSTRUCTION

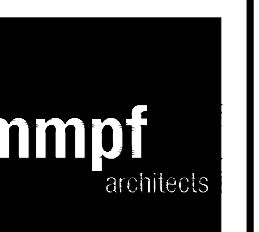
USE GROUP: B - BUSINESS
CONSTRUCTION CLASSIFICATION: 5B

AREA OF RECONSTRUCTION:
BASE BID: 2,630 SF
ALTERNATE No. 2: 818 SF
ALTERNATE No. 3: 2,894 SF
TOTAL AREA OF RECONSTRUCTION: 6,342 SF



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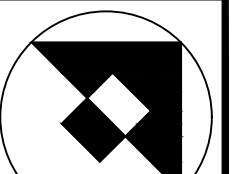
Project

RENOVATIONS TO:
ENGINEERING LAB

CUMBERLAND COUNTY COLLEGE
3322 COLLEGE DR. VINELAND, NJ 08360

Drawing

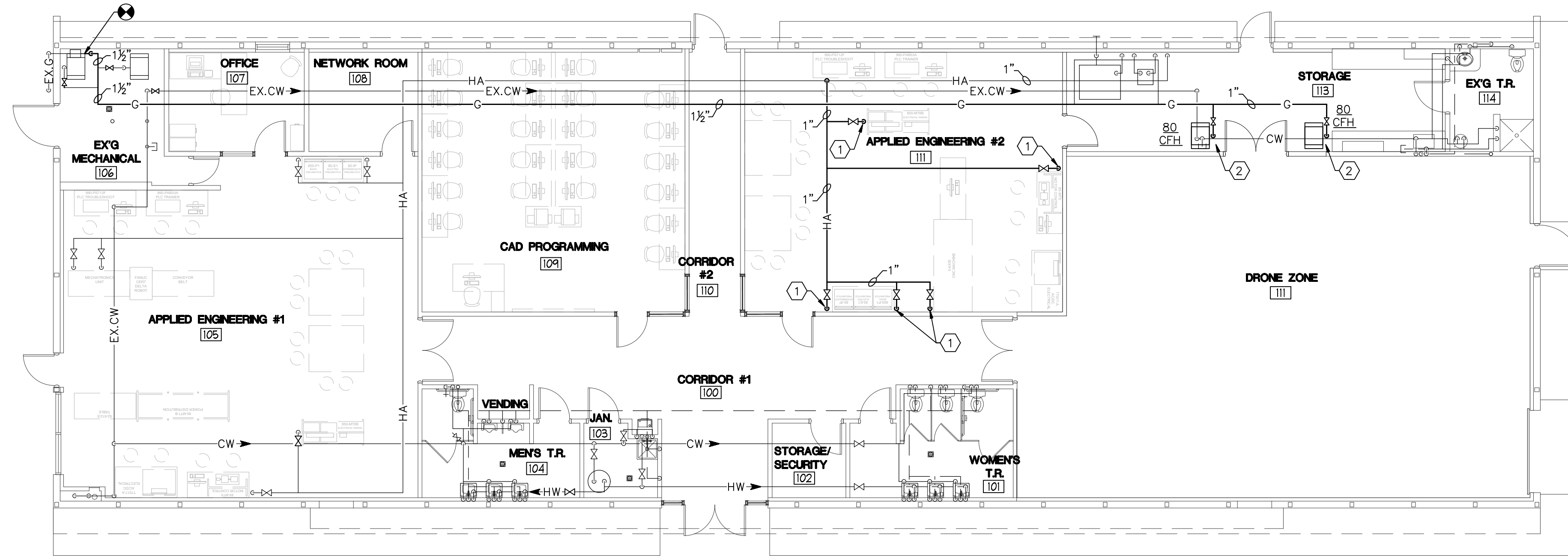
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ALTERNATE 2



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Drawn	Date	4 of 6
GJK	03/18/19	

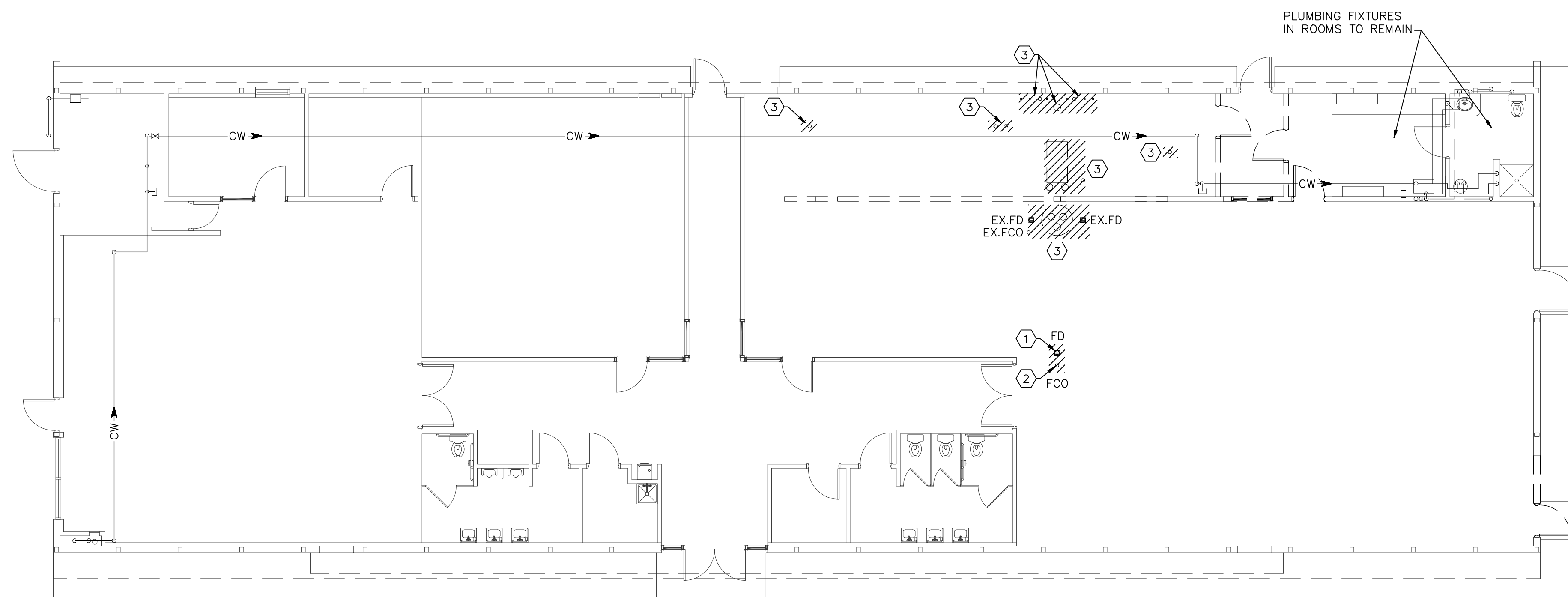
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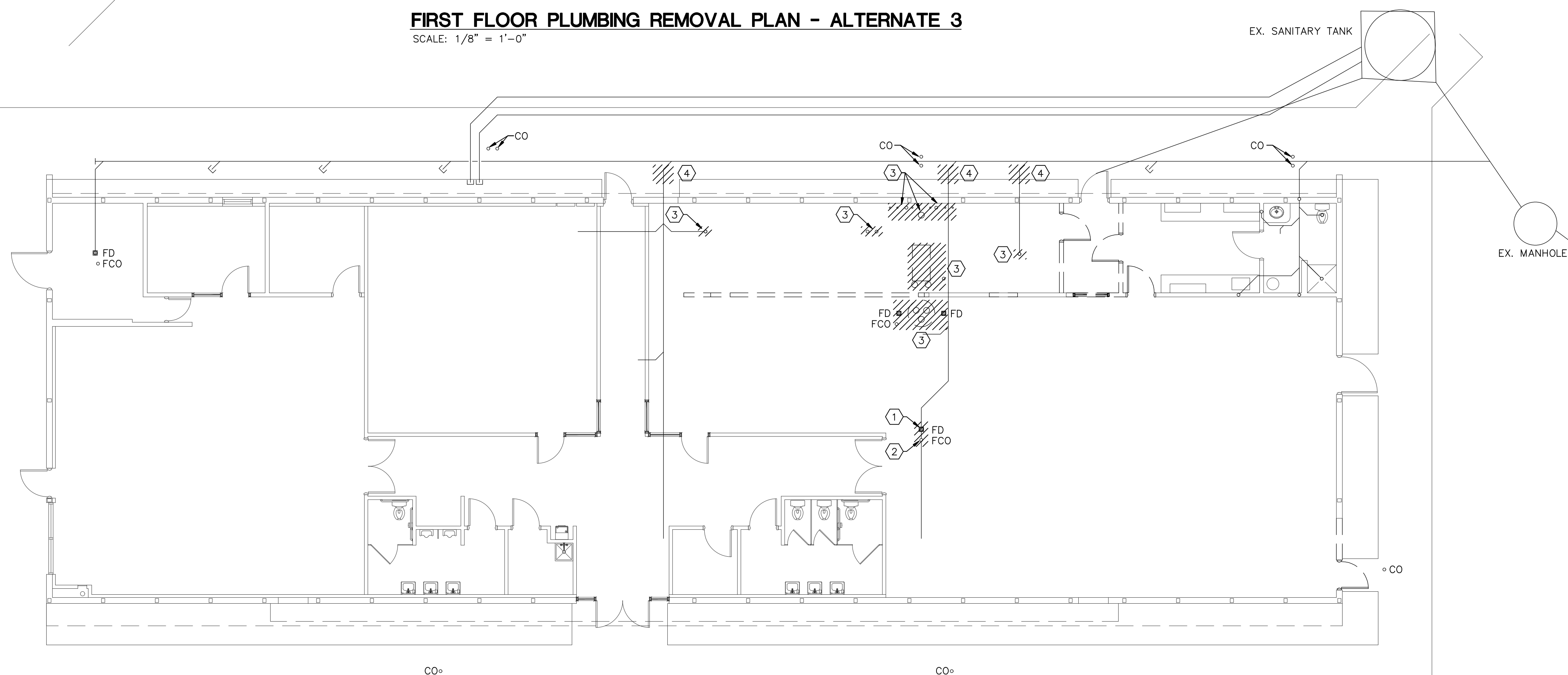
FIRST FLOOR PLUMBING PLAN - ALTERNATE 3

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



FIRST FLOOR PLUMBING REMOVAL PLAN - ALTERNATE 3

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



FOUNDATION PLUMBING REMOVAL PLAN - ALTERNATE 3

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

GENERAL NOTES:

- A. ALTERNATE 3 NEW PLUMBING WORK INVOLVES PROVIDING GAS CONNECTIONS TO ADDITIONAL AIR HANDLING UNITS IN STORAGE ROOM 113. WORK ALSO INVOLVES PROVIDING AIR DROPS FOR APPLIED ENGINEERING #2 ROOM 111 - SEE PLANS AND KEYED NOTES FOR PIPE ROUTING, SIZING, AND DETAILS.

KEYED NOTES:

- 1. 3/4" COMPRESSED AIR DOWN TO O.F.C.I. MILTON INDUSTRIES COMBINATION FILTER REGULATOR. PROVIDE ISOLATION VALVE AND DRIP LEG. CONNECT TO CLASSROOM EQUIPMENT. COORDINATE WITH EQUIPMENT MANUFACTURER FOR FINAL CONNECTION.
- 2. 1" GAS TO AIR HANDLING UNIT. PROVIDE WITH UNION, GAS VALVE, AND DIRT LEG.

REMOVAL KEYED NOTES:

- 1. REMOVE FLOOR DRAIN COMPLETE. REMOVE WASTE PIPING TO 6" BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
- 2. REMOVE FLOOR CLEANOUT COMPLETE. REMOVE WASTE PIPING TO 6" BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
- 3. REMOVE ALL EXISTING BUILDING SYSTEM PIPING AND VENTS FLUSH WITH TOP OF SLAB. PLUG AND FILL PIPE WITH CONCRETE FLUSH WITH TOP OF SLAB. REMOVE ALL EXISTING BUILDING SYSTEM FLOOR DRAINS AND CLEANOUTS TO 6" BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
- 4. REMOVE SANITARY PIPING AND CAP BOTH ENDS OF PIPE. REMAINING PIPING TO BE ABANDONED IN PLACE. FIELD VERIFY EXACT LOCATION. CONTRACTOR TO BE RESPONSIBLE FOR ALL EXCAVATION AND BACKFILL ASSOCIATED WITH THE CAPPING OF THE SANITARY PIPING. EXISTING SIDEWALK TO REMAIN. CONTRACTOR TO BE RESPONSIBLE FOR REPAIRS FOR ANY DAMAGE TO SIDEWALK.

Revisions		
No.	Date	Description

BUILDING DATA

UCO STATE OF NEW JERSEY - REHABILITATION SUBCODE NJAC 5:23.6, SUBCHAPTER 6 - RECONSTRUCTION

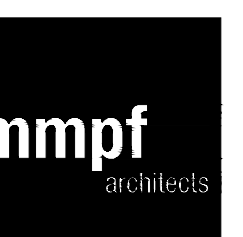
USE GROUP: B - BUSINESS
CONSTRUCTION CLASSIFICATION: 5B

AREA OF RECONSTRUCTION:
BASE BID: 2,630 SF
ALTERNATE No. 2: 818 SF
ALTERNATE No. 3: 2,894 SF
TOTAL AREA OF RECONSTRUCTION: 6,342 SF



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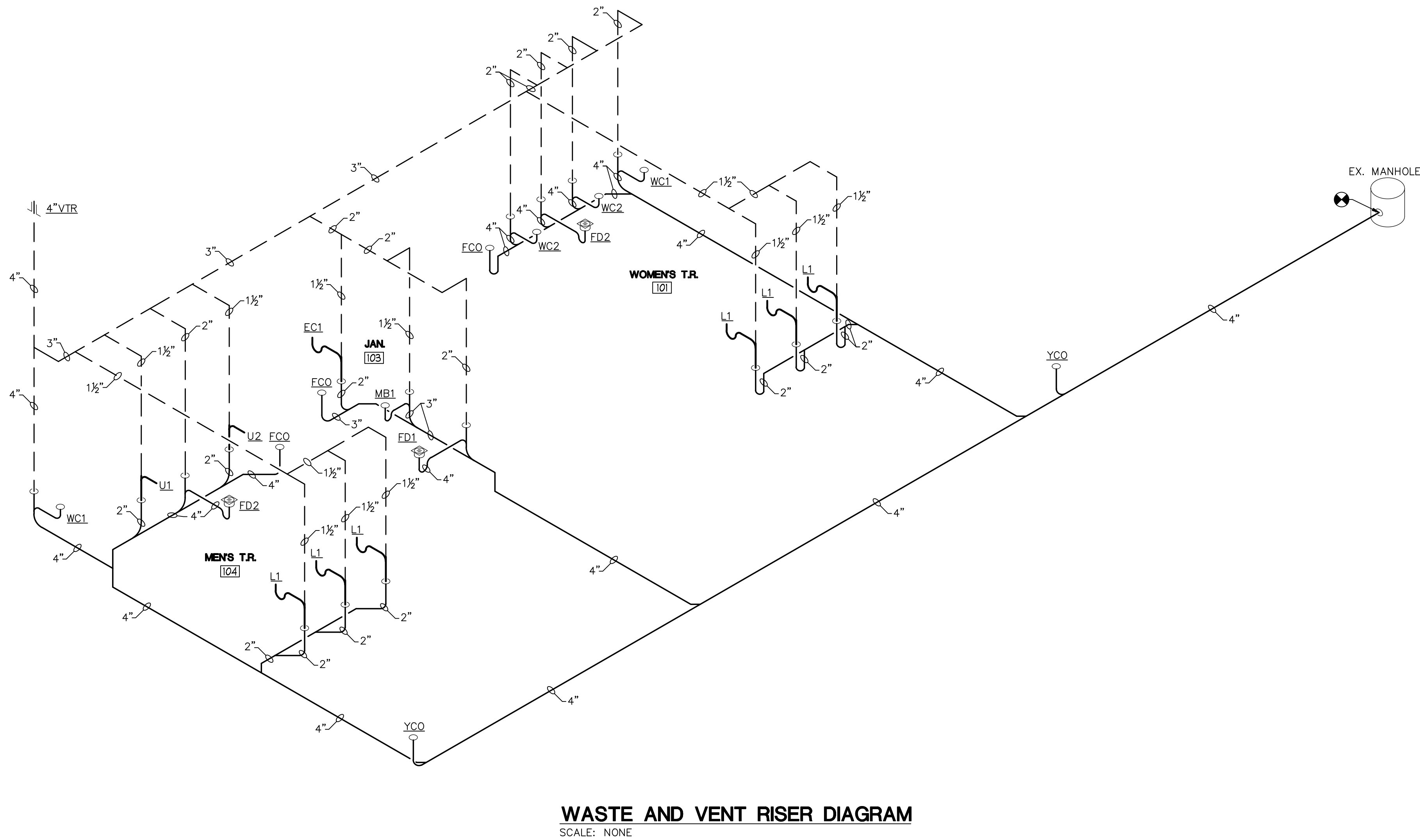
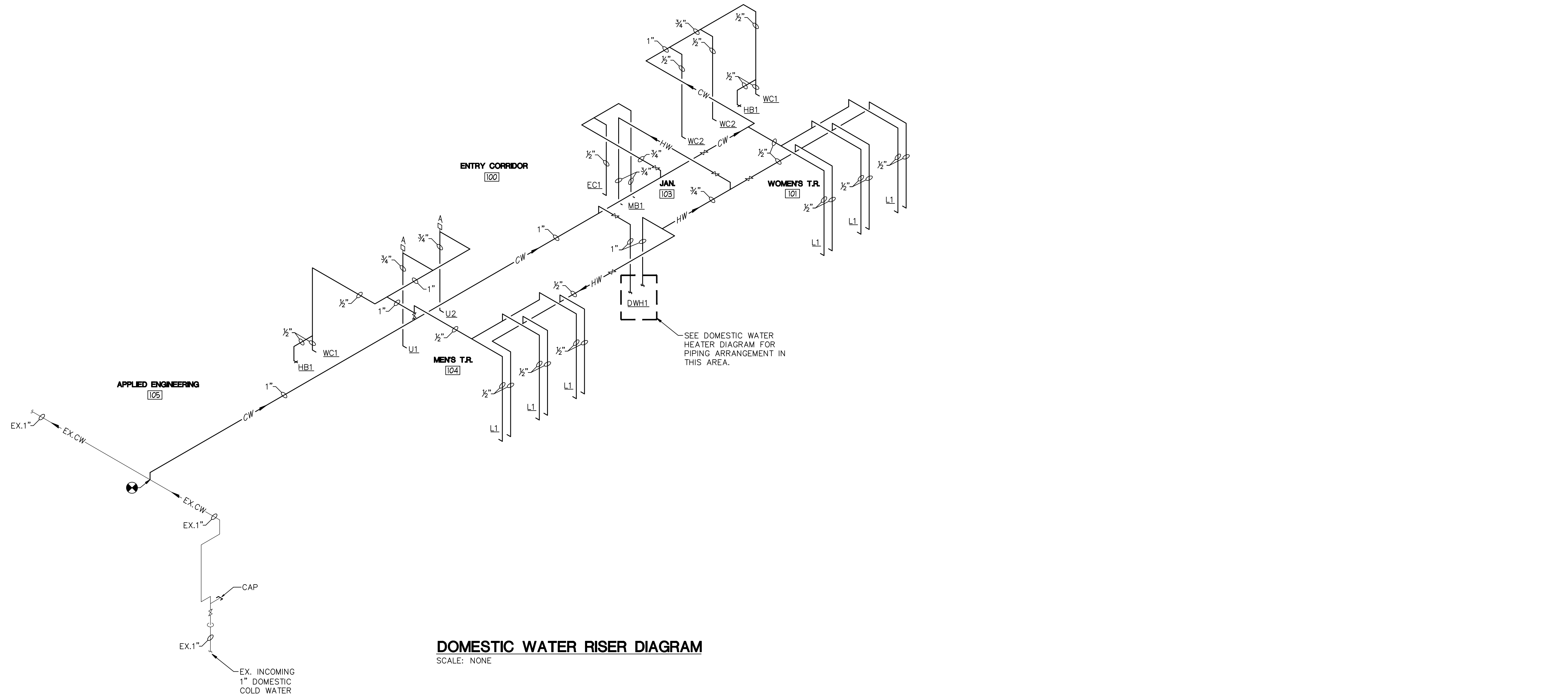
David G. Manders AIA AI-07220
Lawrence J. Merighi AIA AI-07473
Ronald P. Portadin AIA AI-19058
Peter W. Farrell AIA AI-13618

Project
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3322 COLLEGE DR. VINELAND, NJ 08360

Drawing
PLUMBING PLANS - ALTERNATE 3

Scale	Job	Sheet
AS NOTED	19002	P3.0
Drawn	Date	5 of 6
GJK	03/18/19	

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Revisions		
No.	Date	Description

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5:23.6, SUBCHAPTER 6 -
RECONSTRUCTION

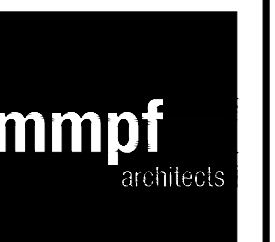
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CONSTRUCTION CLASSIFICATION:
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AREA OF RECONSTRUCTION:
BASE BID: 2,630 SF
ALTERNATE No. 2: 818 SF
ALTERNATE No. 3: 2,894 SF
TOTAL AREA OF
RECONSTRUCTION: 6,342 SF



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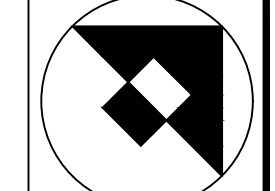


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Drawing
PLUMBING RISER DIAGRAMS



Scale	Job	Sheet
AS NOTED	19002	P4.0
Drawn	Date	6 of 6
GJK	03/18/19	