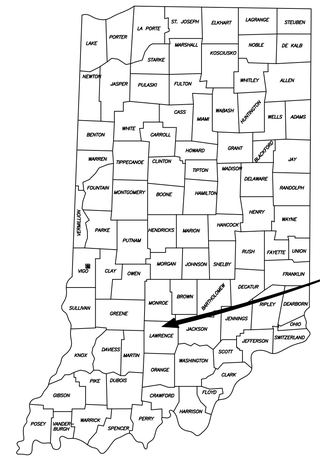
INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421
BUILDING RENOVATION

OWNER:

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421
(812) 279-9751
CONTACT: MR. SEAN COAKLEY

ENGINEER:

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC.
19 SOUTH 6TH STREET, SUITE 804
TERRE HAUTE, INDIANA 47807
(812) 232-6510
CONTACT: MR. MICHAEL R. WALDBIESER, PE
michael@mrwengineeringinc.com



PROJECT LOCATION
LAWRENCE COUNTY, INDIANA

AREA LOCATION MAP - STATE OF INDIANA

PROJECT LOCATION

AERIAL LOCATION MAP

TITLE SHEET

1814-1.0 EXISTING/NEW ELEVATIONS
1814-1.1 EXISTING ELEVATIONS
1814-1.2 NEW ELEVATION
1814-1.3 NEW EXTERIOR WINDOW/DOOR DETAILS
1814-2.0 EXISTING/DEMOLITION LOWER LEVEL PLAN
1814-2.1 REMODELED LOWER LEVEL PLAN
1814-2.2 EXISTING/DEMOLITION FIRST FLOOR PLAN
1814-2.3 REMODELED FIRST FLOOR PLAN
1814-2.4 WALL SECTION/ELEVATION MARK FIRST FLOOR PLAN
1814-2.5 FIRST FLOOR FURNITURE PLAN
1814-2.6 EXISTING/REMODELED SECOND FLOOR PLANS
1814-3.0 FINISH SCHEDULE DOOR SCHEDULE
1814-3.1 LOWER LEVEL FLOOR FINISH PLAN
1814-3.2 FIRST FLOOR FINISH PLAN
1814-3.3 SECOND FLOOR FINISH PLAN
1814-3.4 RESTROOM ACCESSORY PLAN
1814-3.5 NEW REFLECTIVE CEILING PLANS LOWER LEVEL AND SECOND FLOOR
1814-3.6 NEW FIRST FLOOR REFLECTIVE CEILING PLAN
1814-4.0 FRAMING DETAILS
1814-4.1 CABINET ELEVATIONS
1814-4.2 CABINET ELEVATIONS

1814-P1.0 EXISTING/DEMOLITION LOWER LEVEL PLUMBING PLAN
1814-P1.1 NEW LOWER LEVEL PLUMBING PLAN
1814-P1.2 LOWER LEVEL PLUMBING DETAILS
1814-P2.0 EXISTING/DEMOLITION 1ST FLOOR PLUMBING PLAN
1814-P2.1 NEW 1ST FLOOR PLUMBING PLAN
1814-P3.0 EXISTING/DEMOLITION & NEW 2ND FLOOR PLUMBING PLAN
1814-P4.0 PLUMBING SPECIFICATIONS

1814-M1.0 EXISTING/DEMOLITION LOWER LEVEL HVAC PLAN
1814-M1.1 NEW LOWER LEVEL HVAC PLAN
1814-M2.0 EXISTING/DEMOLITION 1ST FLOOR HVAC PLAN
1814-M2.1 NEW 1ST FLOOR HVAC PLAN
1814-M3.0 EXISTING/DEMOLITION & NEW 2ND FLOOR HVAC PLAN
1814-M4.0 HVAC SPECIFICATIONS FOUR ORIGINAL CONSTRUCTION DRAWINGS USED FOR AIR DUCT CLEANING REFERENCE

1814-E1.0 EXISTING/DEMOLITION LOWER LEVEL ELECTRICAL PLAN
1814-E1.1 NEW LOWER LEVEL ELECTRICAL PLAN
1814-E2.0 EXISTING/DEMOLITION 1ST FLOOR ELECTRICAL PLAN
1814-E2.1 NEW 1ST FLOOR ELECTRICAL PLAN
1814-E3.0 EXISTING/DEMOLITION & NEW 2ND FLOOR ELECTRICAL PLAN
1814-E4.0 ELECTRICAL SPECIFICATIONS
1814-E4.1 ELECTRICAL SPECIFICATIONS

ISSUE DATE: 05-01-19
Model #F

SYMBOL LEGEND

+100.00	EXISTING SITE GRADE ELEVATION
100'-0"	NEW SITE GRADE ELEVATION
SECT. NO. XX XX DWG. NO.	SECTION CUT
SECT. NO. X X DWG. NO.	INTERIOR ELEVATION DETAIL
DETAIL NO. X X DWG. NO.	DETAIL MARK
100'-0"	ELEVATION MARK
A	WALL PARTITION TYPE
1	DOOR NUMBER
W-1	WINDOW CALL OUT
ROOM NAME 1	ROOM NAME AND NUMBER
1	NEW DOOR
E	EXISTING DOOR
1	PLAN OR NUMBERED NOTE

JOB INFORMATION:

GENERAL

BID TYPE: SINGLE PRIME CONTRACT
BID OPENING: PRIVATE
CERTIFIED PAYROLL: REQUIRED
INDIANA SALES TAX: TAX EXEMPT PROJECT
SPECIAL NOTES:
1. AN INDIVIDUAL IN GOOD STANDING WITH LIUNA SHALL BE ON SITE DURING ALL CONSTRUCTION ACTIVITIES AND EMPLOYED BY THE GENERAL CONTRACTOR.
2. ALL CONTRACTORS AND SUB-CONTRACTORS MUST PROVIDE LETTER STATING THAT ALL BENEFITS ARE PAID UP TO DATE BEFORE ANY CONTRACT WILL BE SIGNED FOR CONSTRUCTION.

BONDS , PERMITS, AND INSURANCE

BID BOND: REQUIRED
PERFORMANCE BOND: REQUIRED
LOCAL BUILDING PERMITS: BY EACH CONTRACTOR FOR THEIR WORK
STATE BUILDING PERMIT: BY ENGINEER
BUILDERS RISK POLICY: BY OWNER (INCLUDING POLICY DEDUCTIBLE)

UTILITY COST DURING CONSTRUCTION

ELECTRICITY: BY OWNER
WATER: BY OWNER
GAS: NONE ON THIS PROJECT

SOIL AND CONCRETE TESTING:
CONCRETE: NOT REQUIRED
SOIL: NOT REQUIRED

MICHAEL R. WALDBIESER REGISTERED PROFESSIONAL ENGINEER NO. 19900108 STATE OF INDIANA

Michael R. Waldbieser

GOVERNING CODES

2014 INDIANA BUILDING CODE
(IBC 2012 EDITION - WITH INDIANA AMENDMENTS)
2014 INDIANA FIRE CODE
(IFC 2012 EDITION - WITH INDIANA AMENDMENTS)
2012 INDIANA PLUMBING CODE
(IPC 2006 EDITION - WITH INDIANA AMENDMENTS)
2014 INDIANA MECHANICAL CODE
(IMC 2012 EDITION - WITH INDIANA AMENDMENTS)
2010 INDIANA ENERGY CONSERVATION CODE
(ANSI/ASHRAE 90.1 - 2007 EDITION - WITH INDIANA AMENDMENTS)
2009 INDIANA ELECTRICAL CODE
(NEC 2008 EDITION - WITH INDIANA AMENDMENTS)

ALTERNATE LISTING:

ALTERNATE #1
PREPARE AND PAINT CORRIDOR WALLS IN THE DORMITORY SECTION OF THE BUILDING. TYPICAL OF 3.
DO NOT PAINT HM STEEL DOOR FRAMES.

ALTERNATE #2
INSTALL NEW SINK BASE VANITY AND TOP IN ALL EXISTING DORMITORY RESTROOMS.
TYPICAL OF 30.

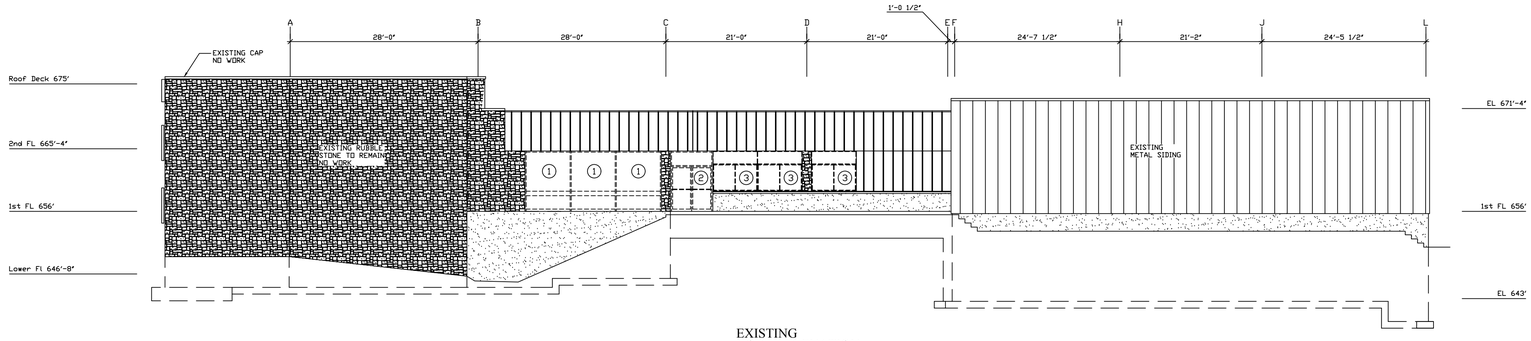
ALTERNATE #3
INSTALL NEW VCT IN DORMITORY RESTROOMS INSTEAD OF SHEET VINYL.
TYPICAL OF 30.

INDIANA 811 Know what's below. Call before you dig.

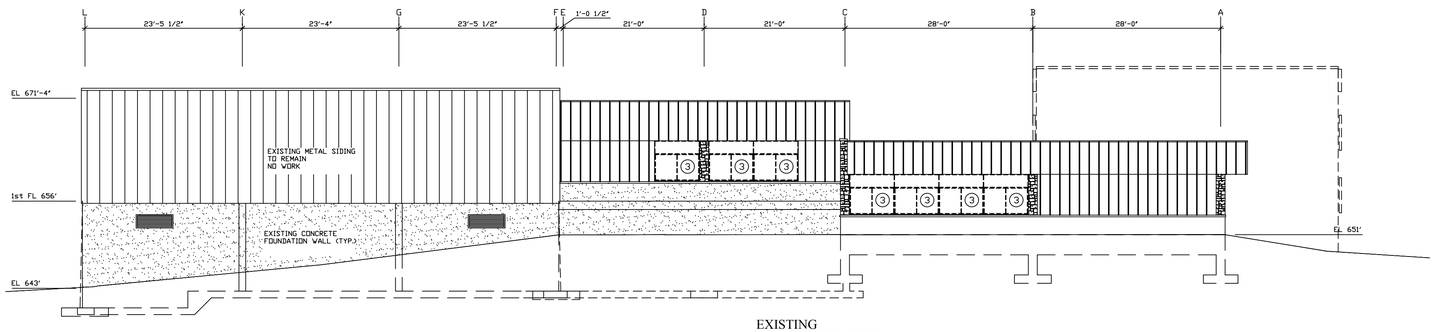
CAUTION

LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

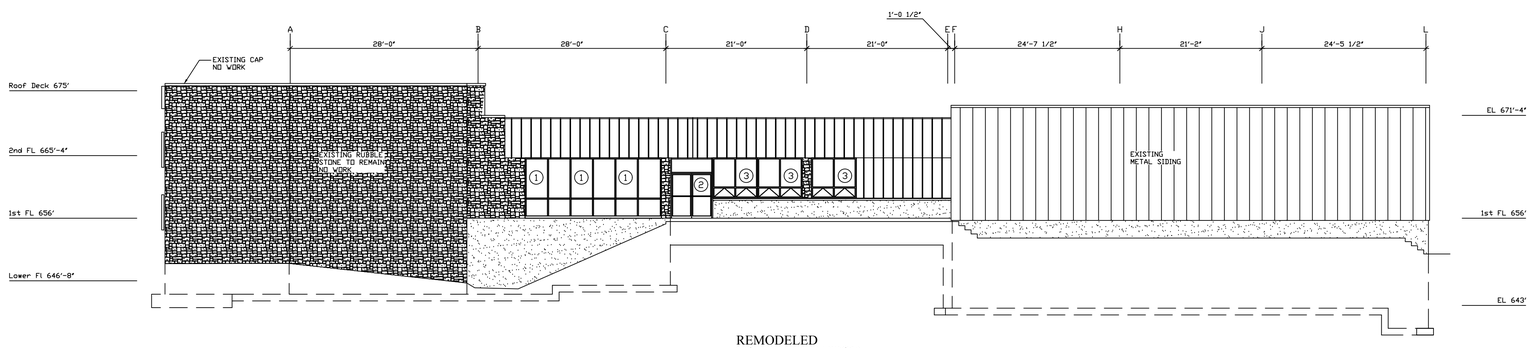
CALL 811 OR 1-800-382-5544
48 HOURS BEFORE DIGGING



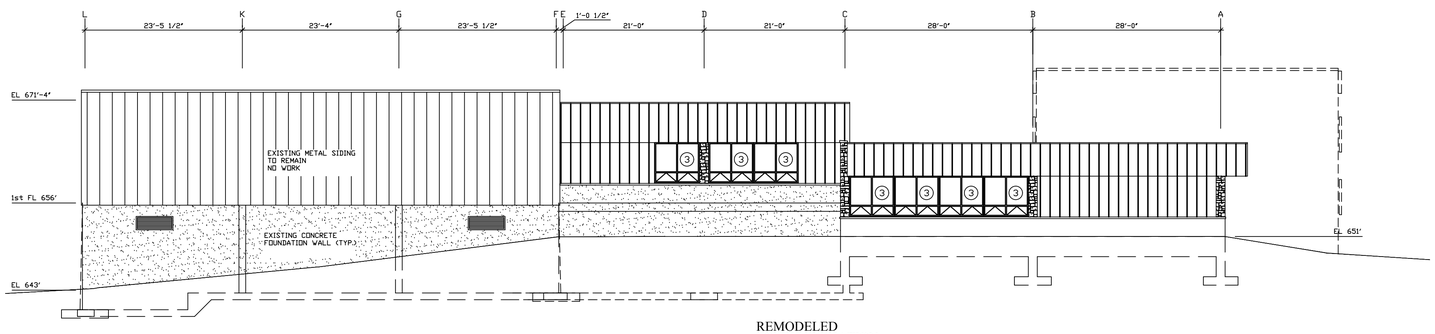
EXISTING
NORTH ELEVATION
SCALE: 3/32" = 1'-0



EXISTING
SOUTH ELEVATION
SCALE: 3/32" = 1'-0



REMODELED
NORTH ELEVATION
SCALE: 3/32" = 1'-0



REMODELED
SOUTH ELEVATION
SCALE: 3/32" = 1'-0

NUMBERED NOTES:

1. REMOVE EXISTING WINDOW UNIT COMPLETE.
   PREPARE OPENING FOR NEW WINDOW UNITS.
   FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTALS.
   REFER TO DETAIL 5/1.3 FOR NEW WINDOW GENERAL LAYOUT.

2. REMOVE EXISTING WINDOW/DOOR UNIT COMPLETE.
   PREPARE OPENING FOR NEW WINDOW UNITS.
   FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTALS.
   REFER TO DETAIL 6/1.3 FOR NEW WINDOW/DOOR GENERAL LAYOUT.

3. REMOVE EXISTING WINDOW UNIT COMPLETE.
   REMOVE EXISTING CULTURED MARBLE SILL ON INTERIOR.
   PREPARE OPENING FOR NEW WINDOW UNITS.
   FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTALS.
   REFER TO DETAIL 4/1.3 FOR NEW WINDOW GENERAL LAYOUT.

DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
REGISTERED
NO. 19900108
STATE OF INDIANA
PROFESSIONAL ENGINEER

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 804
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: Elev #F

1.0

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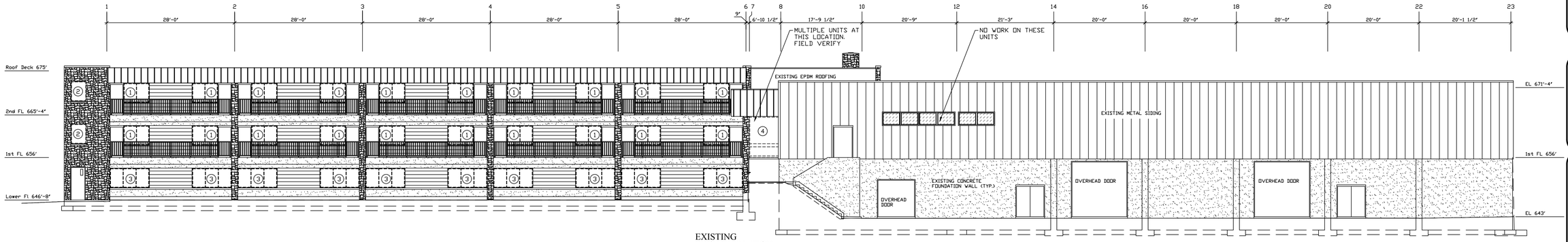
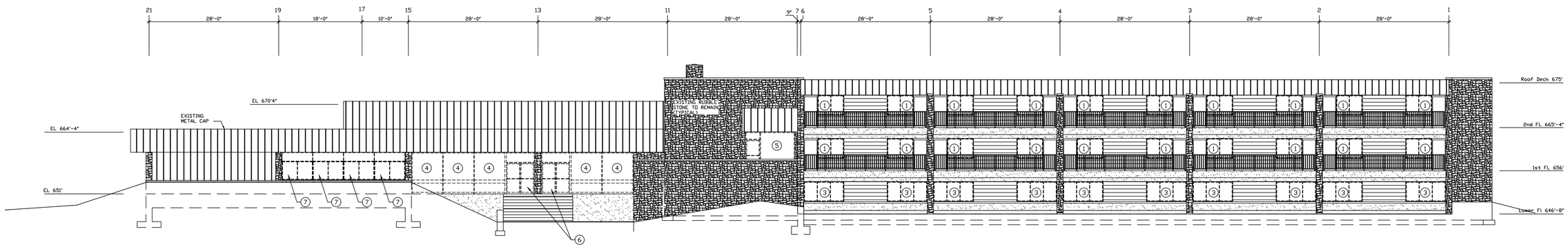


EXISTING
WEST ELEVATION
SCALE: 3/32" = 1'-0



EXISTING
EAST ELEVATION
SCALE: 3/32" = 1'-0

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DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
REGISTERED STRUCTURAL ENGINEER
NO. 19900108
STATE OF INDIANA
PROFESSIONAL ENGINEER

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421
BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING INC
STRUCTURAL, PLUMBING, MECHANICAL, & ELECTRICAL DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 804
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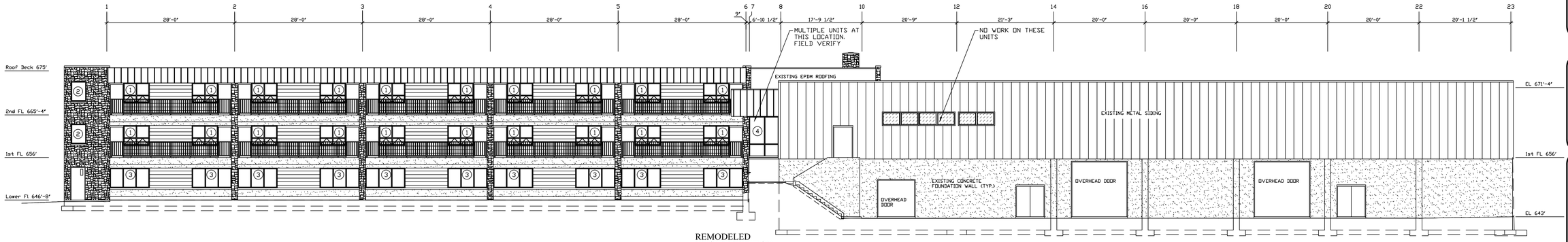
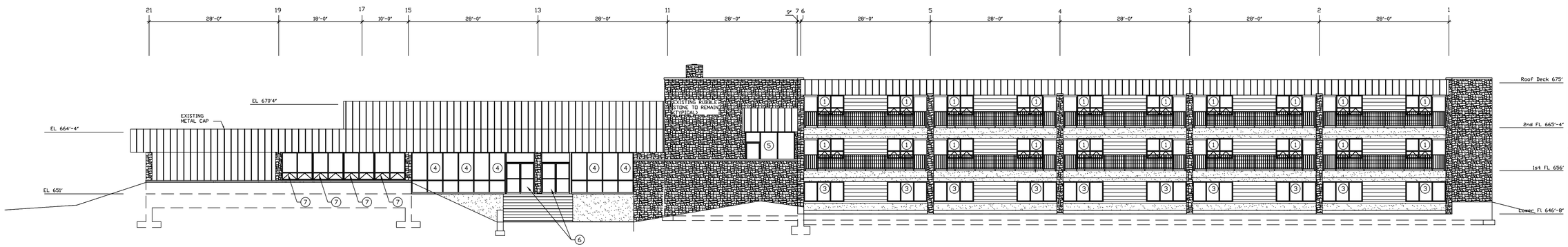
APPROVED BY: MRW

PROJECT: 18-14
FILE: Elev #F

1.1



REMODELED
WEST ELEVATION
SCALE: 3/32" = 1'-0



REMODELED
EAST ELEVATION
SCALE: 3/32" = 1'-0

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DATE	REVISIONS	BY

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STATE OF INDIANA
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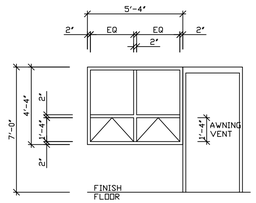
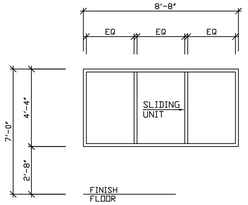
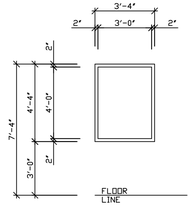
1.2



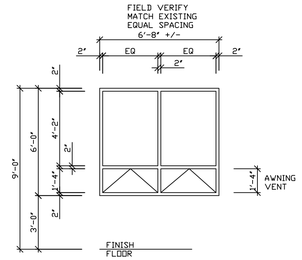
1 / 1.3 DORMITORY WINDOW #1
VENTED WINDOW ELEVATION
SCALE: 1/4" = 1'-0



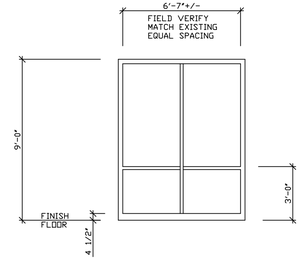
2 / 1.3 DORMITORY WINDOW #2
HORZ. SLIDING WINDOW ELEVATION
SCALE: 1/4" = 1'-0



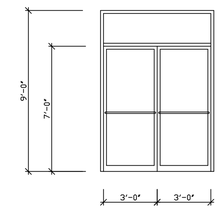
3 / 1.3 DORMITORY WINDOW #3
WINDOW ELEVATION
SCALE: 1/4" = 1'-0



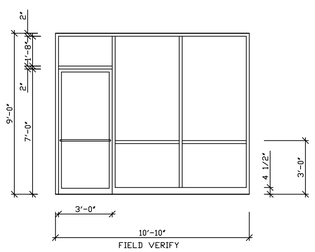
4 / 1.3 VENTED WINDOW ELEVATION
SCALE: 1/4" = 1'-0



5 / 1.3 WINDOW ELEVATION
SCALE: 1/4" = 1'-0



6 / 1.3 DOOR ELEVATION
SCALE: 1/4" = 1'-0



7 / 1.3 DOOR ELEVATION
SCALE: 1/4" = 1'-0

ALUMINUM FRAMING SPECIFICATIONS:

1. ALUMINUM EXTERIOR FRAMING SHALL BE KAWNEER TRIFAB VG 451T FRAMING. ALUMINUM INTERIOR FRAMING SHALL BE KAWNEER 450 SYSTEM.
2. AWNING VENTED UNITS SHALL BE TRACO AWNING UNITS OF SIZES AS SHOWN.
3. DORMITORY HORIZONTAL SLIDING WINDOW UNITS SHALL BE EFCO SERIES 3500T. MATCH EXISTING CONFIGURATION ON HORIZONTAL SLIDING UNITS WITH SAME UNITS OPERABLE. MINIMUM NET CLEAR OPENING FOR OPERABLE UNITS SHALL BE 5.7 SQUARE FEET PER SECTION 1029.2 OF THE INDIANA BUILDING CODE.
4. ALL UNITS SHALL BE BRONZE ANODIZED COLOR. PROVIDE COLOR SAMPLES.
5. ALL HINGES FOR DOORS SHALL BE CONTINUOUS HINGE TYPE AND HEAVY DUTY.
6. AUTO CLOSURES SHALL BE HEAVY DUTY GRADE 1.
7. MATCH EXISTING HARDWARE TYPE.
8. RE-USE EXISTING KEYING SYSTEM. COORDINATE WITH OWNER.
9. ALL EXTERIOR GLAZING SHALL BE
   1/4" BRONZE TINED OUTBOARD
   1/2" AIR SPACE
   1/2" CLEAR INBOARD WITH VITRO SOLARBAN 60 WITH LOW E
   WINTER U-FACTOR = .29
   SUMMER U-FACTOR = .27
   SHGC = .29
   SHADE COEFFICIENT = .33
   TEMPERED GLASS AT ALL LOCATIONS REQUIRED BY THE BUILDING CODE.
10. INTERIOR GLASS AT ON INTERIOR VESTIBULE WALLS AND DOORS SHALL BE 1/4" GLASS. TEMPERED GLASS AT ALL LOCATIONS REQUIRED BY THE BUILDING CODE.
11. FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTAL. NOTIFY ENGINEER OF ANY ISSUES.

DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
REGISTERED
NO. 19900108
STATE OF INDIANA
PROFESSIONAL ENGINEER

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN
SYCAMORE BUILDING
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PHONE: (812) 232-6510

SCALE: 1/4" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: Elev #F

1.3

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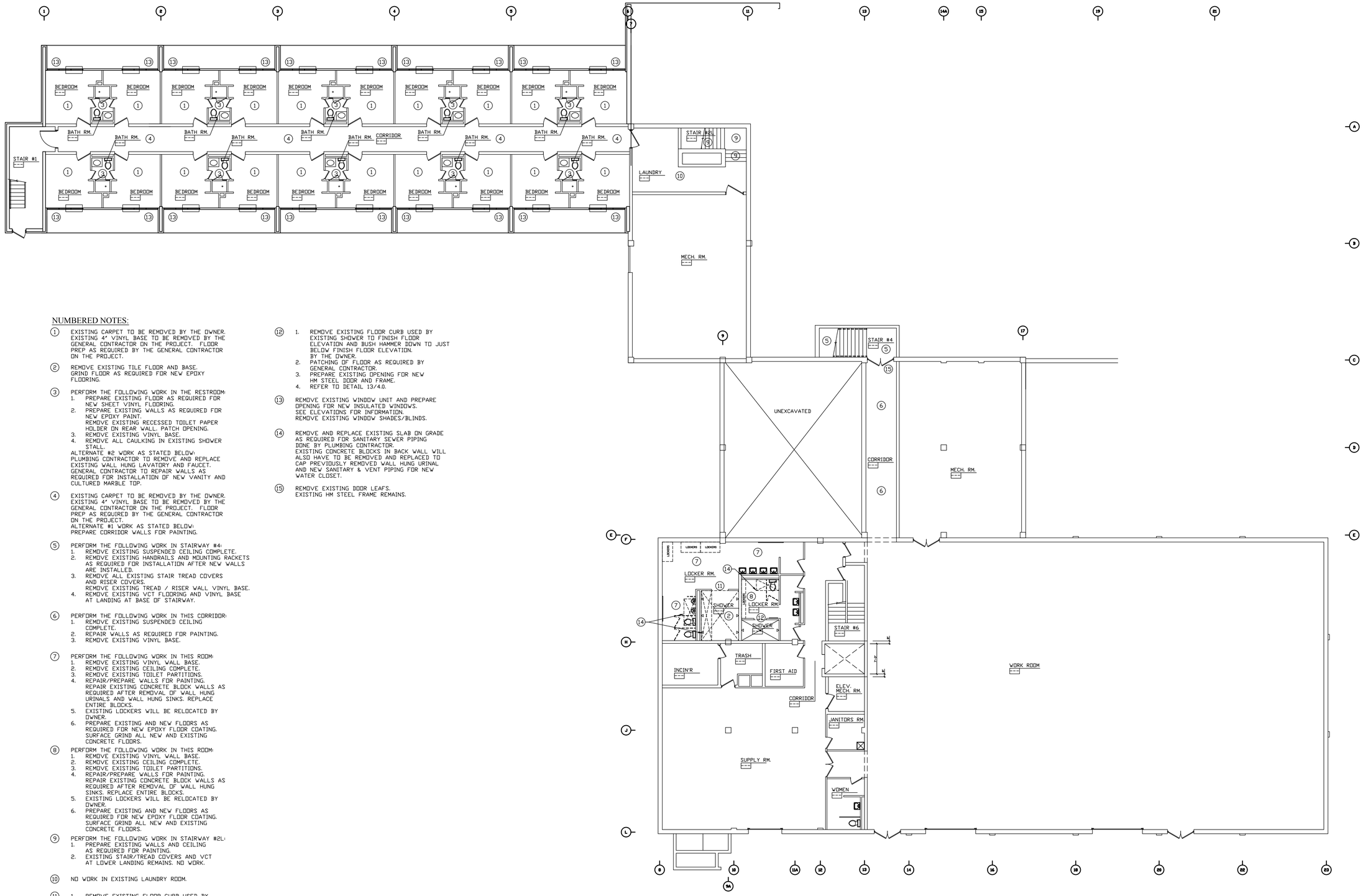

NUMBERED NOTES:

1. EXISTING CARPET TO BE REMOVED BY THE OWNER. EXISTING 4" VINYL BASE TO BE REMOVED BY THE GENERAL CONTRACTOR ON THE PROJECT. FLOOR PREP AS REQUIRED BY THE GENERAL CONTRACTOR ON THE PROJECT.

2. REMOVE EXISTING TILE FLOOR AND BASE. GRIND FLOOR AS REQUIRED FOR NEW EPOXY FLOORING.

3. PERFORM THE FOLLOWING WORK IN THE RESTROOM:
   1. PREPARE EXISTING FLOOR AS REQUIRED FOR NEW SHEET VINYL FLOORING.
   2. PREPARE EXISTING WALLS AS REQUIRED FOR NEW EPOXY PAINT. REMOVE EXISTING RECESSED TOILET PAPER HOLDER ON REAR WALL. PATCH OPENING.
   3. REMOVE EXISTING VINYL BASE.
   4. REMOVE ALL CAULKING IN EXISTING SHOWER STALL.

   ALTERNATE #2 WORK AS STATED BELOW: PLUMBING CONTRACTOR TO REMOVE AND REPLACE EXISTING WALL HUNG LAVATORY AND FAUCET. GENERAL CONTRACTOR TO REPAIR WALLS AS REQUIRED FOR INSTALLATION OF NEW VANITY AND CULTURED MARBLE TOP.

4. EXISTING CARPET TO BE REMOVED BY THE OWNER. EXISTING 4" VINYL BASE TO BE REMOVED BY THE GENERAL CONTRACTOR ON THE PROJECT. FLOOR PREP AS REQUIRED BY THE GENERAL CONTRACTOR ON THE PROJECT.
   ALTERNATE #1 WORK AS STATED BELOW: PREPARE CORRIDOR WALLS FOR PAINTING.

5. PERFORM THE FOLLOWING WORK IN STAIRWAY #4:
   1. REMOVE EXISTING SUSPENDED CEILING COMPLETE.
   2. REMOVE EXISTING HANDRAILS AND MOUNTING RACKETS AS REQUIRED FOR INSTALLATION AFTER NEW WALLS ARE INSTALLED.
   3. REMOVE ALL EXISTING STAIR TREAD COVERS AND RISER COVERS. REMOVE EXISTING TREAD / RISER WALL VINYL BASE.
   4. REMOVE EXISTING VCT FLOORING AND VINYL BASE AT LANDING AT BASE OF STAIRWAY.

6. PERFORM THE FOLLOWING WORK IN THIS CORRIDOR:
   1. REMOVE EXISTING SUSPENDED CEILING COMPLETE.
   2. REPAIR WALLS AS REQUIRED FOR PAINTING.
   3. REMOVE EXISTING VINYL BASE.

7. PERFORM THE FOLLOWING WORK IN THIS ROOM:
   1. REMOVE EXISTING VINYL WALL BASE.
   2. REMOVE EXISTING CEILING COMPLETE.
   3. REMOVE EXISTING TOILET PARTITIONS.
   4. REPAIR/PREPARE WALLS FOR PAINTING. REPAIR EXISTING CONCRETE BLOCK WALLS AS REQUIRED AFTER REMOVAL OF WALL HUNG URINALS AND WALL HUNG SINKS. REPLACE ENTIRE BLOCKS.
   5. EXISTING LOCKERS WILL BE RELOCATED BY OWNER.
   6. PREPARE EXISTING AND NEW FLOORS AS REQUIRED FOR NEW EPOXY FLOOR COATING. SURFACE GRIND ALL NEW AND EXISTING CONCRETE FLOORS.

8. PERFORM THE FOLLOWING WORK IN THIS ROOM:
   1. REMOVE EXISTING VINYL WALL BASE.
   2. REMOVE EXISTING CEILING COMPLETE.
   3. REMOVE EXISTING TOILET PARTITIONS.
   4. REPAIR/PREPARE WALLS FOR PAINTING. REPAIR EXISTING CONCRETE BLOCK WALLS AS REQUIRED AFTER REMOVAL OF WALL HUNG SINKS. REPLACE ENTIRE BLOCKS.
   5. EXISTING LOCKERS WILL BE RELOCATED BY OWNER.
   6. PREPARE EXISTING AND NEW FLOORS AS REQUIRED FOR NEW EPOXY FLOOR COATING. SURFACE GRIND ALL NEW AND EXISTING CONCRETE FLOORS.

9. PERFORM THE FOLLOWING WORK IN STAIRWAY #2L:
   1. PREPARE EXISTING WALLS AND CEILING AS REQUIRED FOR PAINTING.
   2. EXISTING STAIR/TREAD COVERS AND VCT AT LOWER LANDING REMAINS. NO WORK.

10. NO WORK IN EXISTING LAUNDRY ROOM.

11. 1. REMOVE EXISTING FLOOR CURB USED BY EXISTING SHOWER TO FINISH FLOOR ELEVATION AND BUSH HAMMER DOWN TO JUST BELOW FINISH FLOOR ELEVATION. BY THE OWNER.
    2. PATCHING OF FLOOR AS REQUIRED BY GENERAL CONTRACTOR.

12. 1. REMOVE EXISTING FLOOR CURB USED BY EXISTING SHOWER TO FINISH FLOOR ELEVATION AND BUSH HAMMER DOWN TO JUST BELOW FINISH FLOOR ELEVATION. BY THE OWNER.
    2. PATCHING OF FLOOR AS REQUIRED BY GENERAL CONTRACTOR.
    3. PREPARE EXISTING OPENING FOR NEW HM STEEL DOOR AND FRAME.
    4. REFER TO DETAIL 13/4.0.

13. REMOVE EXISTING WINDOW UNIT AND PREPARE OPENING FOR NEW INSULATED WINDOWS. SEE ELEVATIONS FOR INFORMATION. REMOVE EXISTING WINDOW SHADES/BLINDS.

14. REMOVE AND REPLACE EXISTING SLAB ON GRADE AS REQUIRED FOR SANITARY SEWER PIPING DONE BY PLUMBING CONTRACTOR. EXISTING CONCRETE BLOCKS IN BACK WALL WILL ALSO HAVE TO BE REMOVED AND REPLACED TO CAP PREVIOUSLY REMOVED WALL HUNG URINAL AND NEW SANITARY & VENT PIPING FOR NEW WATER CLOSET.

15. REMOVE EXISTING DOOR LEAFS. EXISTING HM STEEL FRAME REMAINS.

EXISTING / DEMOLITION LOWER LEVEL FLOOR PLAN

SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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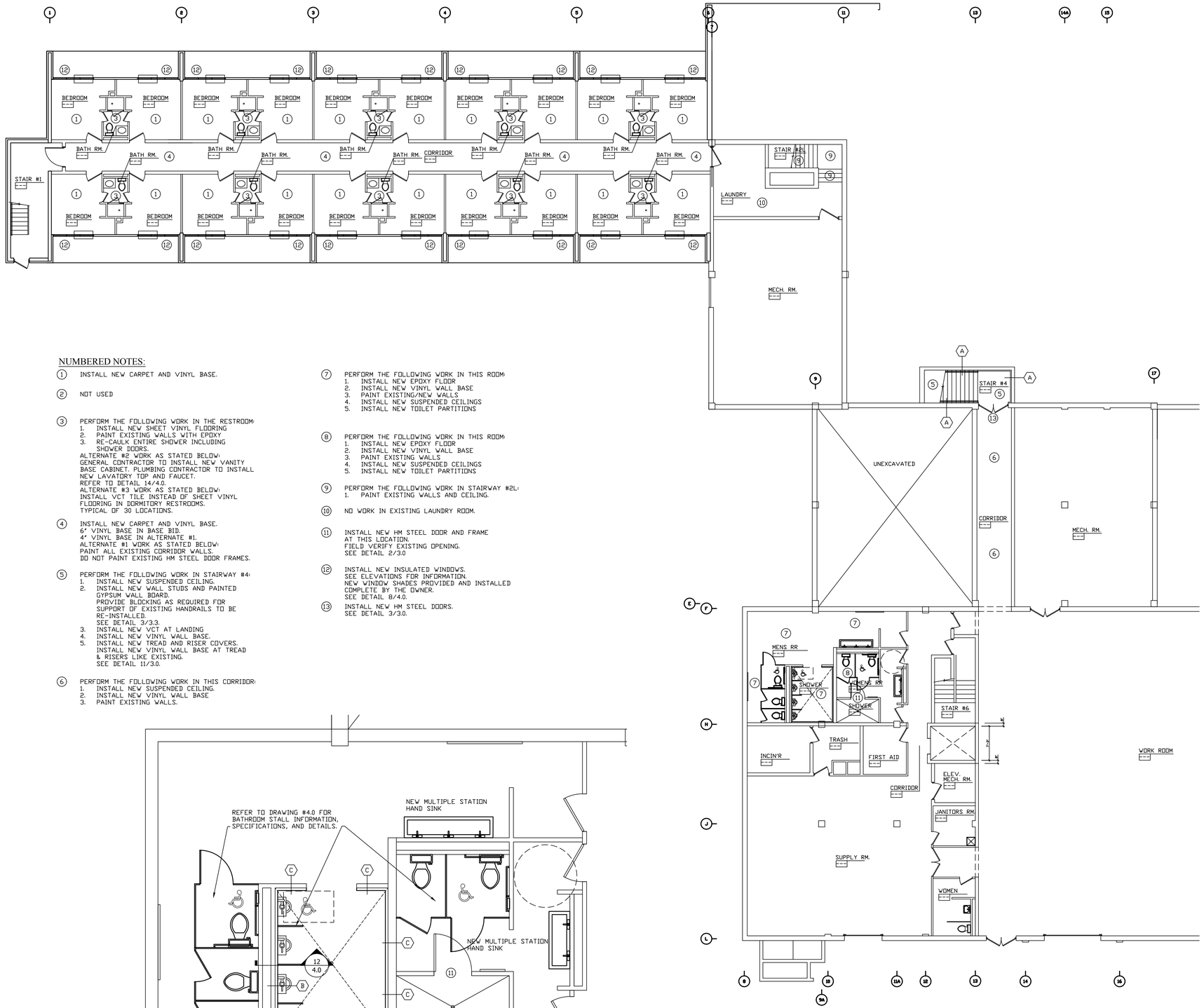
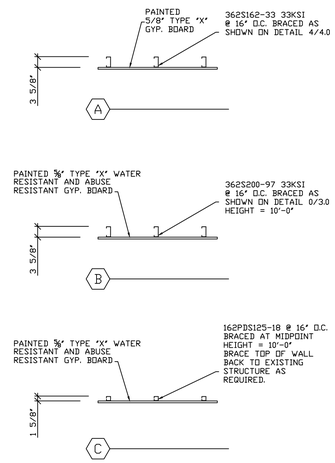
SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: LL Model #F

2.0





NUMBERED NOTES:

1. INSTALL NEW CARPET AND VINYL BASE.

2. NOT USED

3. PERFORM THE FOLLOWING WORK IN THE RESTROOM:
   1. INSTALL NEW SHEET VINYL FLOORING
   2. PAINT EXISTING WALLS WITH EPOXY
   3. RE-CAULK ENTIRE SHOWER INCLUDING SHOWER DOORS.

   ALTERNATE #2 WORK AS STATED BELOW:
   GENERAL CONTRACTOR TO INSTALL NEW VANITY BASE CABINET. PLUMBING CONTRACTOR TO INSTALL NEW LAVATORY TOP AND FAUCET.
   REFER TO DETAIL 14/4.0.
   ALTERNATE #3 WORK AS STATED BELOW:
   INSTALL VCT TILE INSTEAD OF SHEET VINYL FLOORING IN DORMITORY RESTROOMS.
   TYPICAL OF 30 LOCATIONS.

4. INSTALL NEW CARPET AND VINYL BASE.
   6" VINYL BASE IN BASE BID.
   4" VINYL BASE IN ALTERNATE #1.
   ALTERNATE #1 WORK AS STATED BELOW:
   PAINT ALL EXISTING CORRIDOR WALLS.
   DO NOT PAINT EXISTING HM STEEL DOOR FRAMES.

5. PERFORM THE FOLLOWING WORK IN STAIRWAY #4:
   1. INSTALL NEW SUSPENDED CEILING.
   2. INSTALL NEW WALL STUDS AND PAINTED GYPSUM WALL BOARD.
      PROVIDE BLOCKING AS REQUIRED FOR SUPPORT OF EXISTING HANDRAILS TO BE RE-INSTALLED.
      SEE DETAIL 3/3.3.
   3. INSTALL NEW VCT AT LANDING
   4. INSTALL NEW VINYL WALL BASE.
   5. INSTALL NEW TREAD AND RISER COVERS.
      INSTALL NEW VINYL WALL BASE AT TREAD & RISERS LIKE EXISTING.
      SEE DETAIL 11/3.0.

6. PERFORM THE FOLLOWING WORK IN THIS CORRIDOR:
   1. INSTALL NEW SUSPENDED CEILING.
   2. INSTALL NEW VINYL WALL BASE
   3. PAINT EXISTING WALLS.

7. PERFORM THE FOLLOWING WORK IN THIS ROOM:
   1. INSTALL NEW EPOXY FLOOR
   2. INSTALL NEW VINYL WALL BASE
   3. PAINT EXISTING/NEW WALLS
   4. INSTALL NEW SUSPENDED CEILINGS
   5. INSTALL NEW TOILET PARTITIONS

8. PERFORM THE FOLLOWING WORK IN THIS ROOM:
   1. INSTALL NEW EPOXY FLOOR
   2. INSTALL NEW VINYL WALL BASE
   3. PAINT EXISTING WALLS
   4. INSTALL NEW SUSPENDED CEILINGS
   5. INSTALL NEW TOILET PARTITIONS

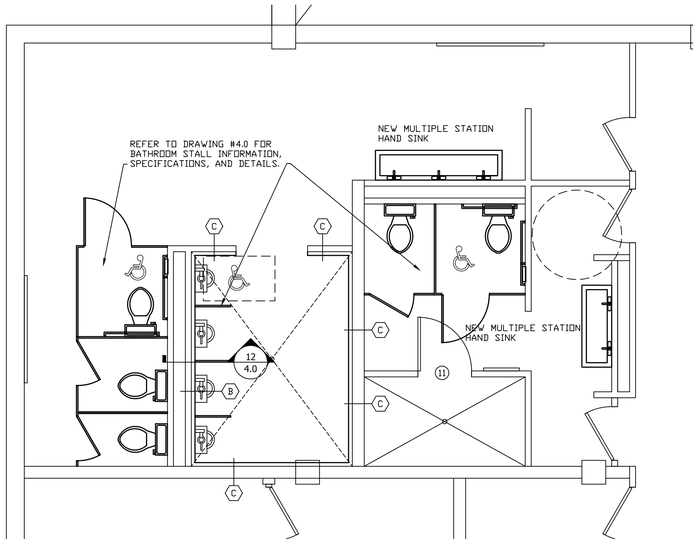
9. PERFORM THE FOLLOWING WORK IN STAIRWAY #2L:
   1. PAINT EXISTING WALLS AND CEILING.

10. NO WORK IN EXISTING LAUNDRY ROOM.

11. INSTALL NEW HM STEEL DOOR AND FRAME AT THIS LOCATION.
    FIELD VERIFY EXISTING OPENING.
    SEE DETAIL 2/3.0

12. INSTALL NEW INSULATED WINDOWS.
    SEE ELEVATIONS FOR INFORMATION.
    NEW WINDOW SHADES PROVIDED AND INSTALLED COMPLETE BY THE OWNER.
    SEE DETAIL 8/4.0.

13. INSTALL NEW HM STEEL DOORS.
    SEE DETAIL 3/3.0.



REMODELED RESTROOM PLAN
SCALE: 1/4" = 1'-0"

REMODELED
LOWER LEVEL FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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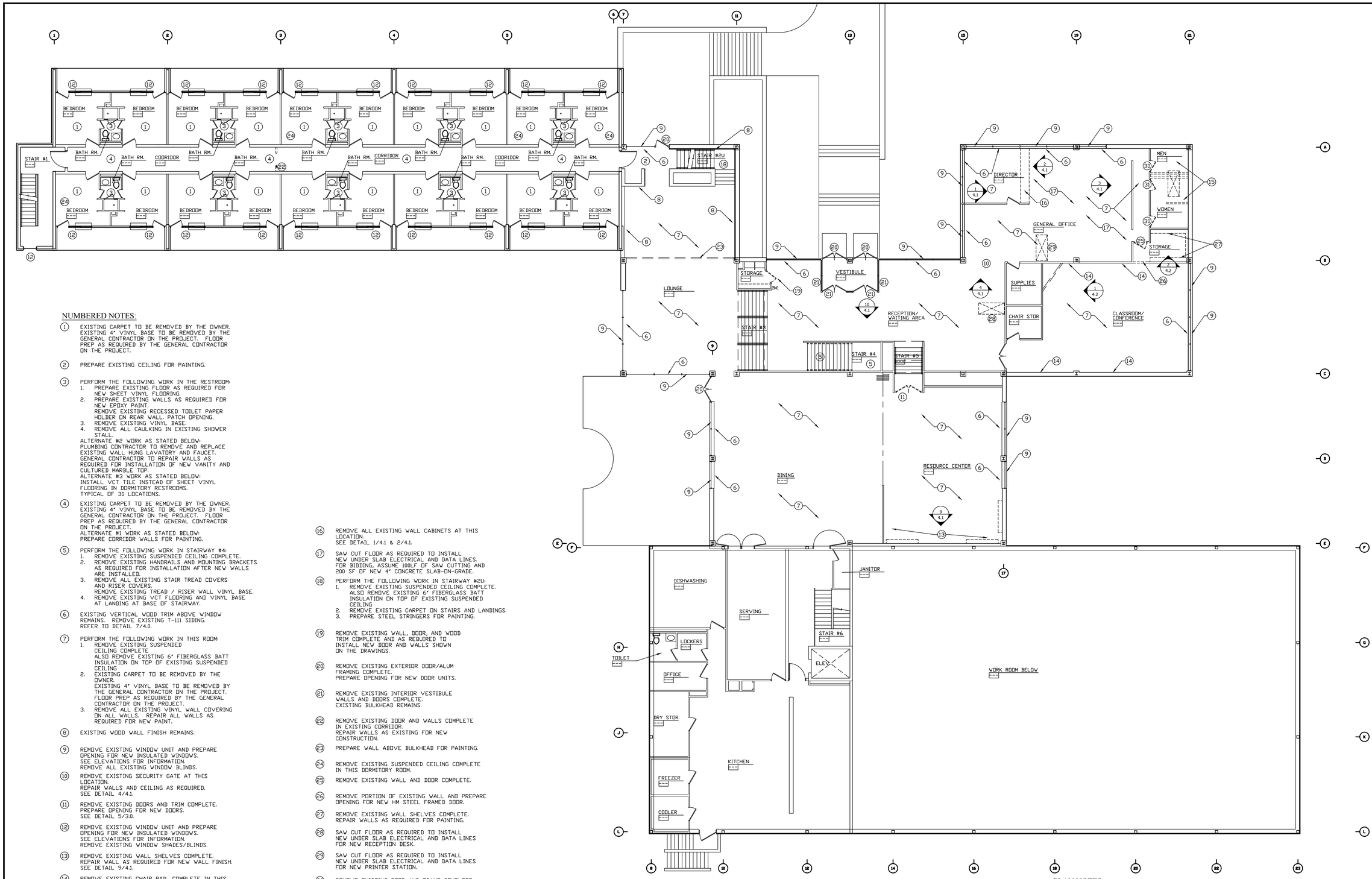
SCALE: AS NOTED
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: LL Model #F

2.1



NUMBERED NOTES:

1. EXISTING CARPET TO BE REMOVED BY THE OWNER. EXISTING 4" VINYL BASE TO BE REMOVED BY THE GENERAL CONTRACTOR ON THE PROJECT. FLOOR PREP AS REQUIRED BY THE GENERAL CONTRACTOR ON THE PROJECT.

2. PREPARE EXISTING CEILING FOR PAINTING.

3. PERFORM THE FOLLOWING WORK IN THE RESTROOM:
   1. PREPARE EXISTING FLOOR AS REQUIRED FOR NEW SHEET VINYL FLOORING.
   2. PREPARE EXISTING WALLS AS REQUIRED FOR NEW EPOXY PAINT.
      REMOVE EXISTING RECESSED TOILET PAPER HOLDER ON REAR WALL. PATCH OPENING.
   3. REMOVE EXISTING VINYL BASE.
   4. REMOVE ALL CAULKING IN EXISTING SHOWER STALL.

   ALTERNATE #2 WORK AS STATED BELOW:
   PLUMBING CONTRACTOR TO REMOVE AND REPLACE EXISTING WALL HUNG LAVATORY AND FAUCET. GENERAL CONTRACTOR TO REPAIR WALLS AS REQUIRED FOR INSTALLATION OF NEW VANITY AND CULTURED MARBLE TOP.
   ALTERNATE #3 WORK AS STATED BELOW:
   INSTALL VCT TILE INSTEAD OF SHEET VINYL FLOORING IN DORMITORY RESTROOMS.
   TYPICAL OF 30 LOCATIONS.

4. EXISTING CARPET TO BE REMOVED BY THE OWNER. EXISTING 4" VINYL BASE TO BE REMOVED BY THE GENERAL CONTRACTOR ON THE PROJECT. FLOOR PREP AS REQUIRED BY THE GENERAL CONTRACTOR ON THE PROJECT.
   ALTERNATE #1 WORK AS STATED BELOW:
   PREPARE CORRIDOR WALLS FOR PAINTING.

5. PERFORM THE FOLLOWING WORK IN STAIRWAY #4:
   1. REMOVE EXISTING SUSPENDED CEILING COMPLETE.
   2. REMOVE EXISTING HANDRAILS AND MOUNTING BRACKETS AS REQUIRED FOR INSTALLATION AFTER NEW WALLS ARE INSTALLED.
   3. REMOVE ALL EXISTING STAIR TREAD COVERS AND RISER COVERS.
      REMOVE EXISTING TREAD / RISER WALL VINYL BASE.
   4. REMOVE EXISTING VCT FLOORING AND VINYL BASE AT LANDING AT BASE OF STAIRWAY.

6. EXISTING VERTICAL WOOD TRIM ABOVE WINDOW REMAINS. REMOVE EXISTING T-111 SIDING. REFER TO DETAIL 7/4.0.

7. PERFORM THE FOLLOWING WORK IN THIS ROOM:
   1. REMOVE EXISTING SUSPENDED CEILING COMPLETE
      ALSO REMOVE EXISTING 6" FIBERGLASS BATT INSULATION ON TOP OF EXISTING SUSPENDED CEILING
   2. EXISTING CARPET TO BE REMOVED BY THE OWNER.
      EXISTING 4" VINYL BASE TO BE REMOVED BY THE GENERAL CONTRACTOR ON THE PROJECT. FLOOR PREP AS REQUIRED BY THE GENERAL CONTRACTOR ON THE PROJECT.
   3. REMOVE ALL EXISTING VINYL WALL COVERING ON ALL WALLS. REPAIR ALL WALLS AS REQUIRED FOR NEW PAINT.

8. EXISTING WOOD WALL FINISH REMAINS.

9. REMOVE EXISTING WINDOW UNIT AND PREPARE OPENING FOR NEW INSULATED WINDOWS. SEE ELEVATIONS FOR INFORMATION. REMOVE ALL EXISTING WINDOW BLINDS.

10. REMOVE EXISTING SECURITY GATE AT THIS LOCATION. REPAIR WALLS AND CEILING AS REQUIRED. SEE DETAIL 4/4.1.

11. REMOVE EXISTING DOORS AND TRIM COMPLETE. PREPARE OPENING FOR NEW DOORS. SEE DETAIL 5/3.0.

12. REMOVE EXISTING WINDOW UNIT AND PREPARE OPENING FOR NEW INSULATED WINDOWS. SEE ELEVATIONS FOR INFORMATION. REMOVE EXISTING WINDOW SHADES/BLINDS.

13. REMOVE EXISTING WALL SHELVES COMPLETE. REPAIR WALL AS REQUIRED FOR NEW WALL FINISH. SEE DETAIL 9/4.1.

14. REMOVE EXISTING CHAIR RAIL COMPLETE IN THIS ROOM. REPAIR WALLS AS REQUIRED.

15. REMOVE EXISTING WALLS AS REQUIRED. REMOVE EXISTING FLOOR TILE AND WALL TILE COMPLETE. SAW CUT AND REPLACE FLOOR SLAB AS REQUIRED TO RELOCATE SANITARY LINES. REPAIR WALLS AS REQUIRED FOR NEW WALL FINISH. REMOVE EXISTING CEILING COMPLETE. ALSO REMOVE EXISTING 6" FIBERGLASS BATT INSULATION ON TOP OF EXISTING SUSPENDED CEILING

16. REMOVE ALL EXISTING WALL CABINETS AT THIS LOCATION. SEE DETAIL 1/4.1 & 2/4.1.

17. SAW CUT FLOOR AS REQUIRED TO INSTALL NEW UNDER SLAB ELECTRICAL AND DATA LINES. FOR BIDDING, ASSUME 100LF OF SAW CUTTING AND 200 SF OF NEW 4" CONCRETE SLAB-ON-GRADE.

18. PERFORM THE FOLLOWING WORK IN STAIRWAY #2U:
   1. REMOVE EXISTING SUSPENDED CEILING COMPLETE. ALSO REMOVE EXISTING 6" FIBERGLASS BATT INSULATION ON TOP OF EXISTING SUSPENDED CEILING
   2. REMOVE EXISTING CARPET ON STAIRS AND LANDINGS.
   3. PREPARE STEEL STRINGERS FOR PAINTING.

19. REMOVE EXISTING WALL, DOOR, AND WOOD TRIM COMPLETE AND AS REQUIRED TO INSTALL NEW DOOR AND WALLS SHOWN ON THE DRAWINGS.

20. REMOVE EXISTING EXTERIOR DOOR/ALUM FRAMING COMPLETE. PREPARE OPENING FOR NEW DOOR UNITS.

21. REMOVE EXISTING INTERIOR VESTIBULE WALLS AND DOORS COMPLETE. EXISTING BULKHEAD REMAINS.

22. REMOVE EXISTING DOOR AND WALLS COMPLETE IN EXISTING CORRIDOR. REPAIR WALLS AS EXISTING FOR NEW CONSTRUCTION.

23. PREPARE WALL ABOVE BULKHEAD FOR PAINTING.

24. REMOVE EXISTING SUSPENDED CEILING COMPLETE IN THIS DORMITORY ROOM.

25. REMOVE EXISTING WALL AND DOOR COMPLETE.

26. REMOVE PORTION OF EXISTING WALL AND PREPARE OPENING FOR NEW HM STEEL FRAMED DOOR.

27. REMOVE EXISTING WALL SHELVES COMPLETE. REPAIR WALLS AS REQUIRED FOR PAINTING.

28. SAW CUT FLOOR AS REQUIRED TO INSTALL NEW UNDER SLAB ELECTRICAL AND DATA LINES FOR NEW RECEPTION DESK.

29. SAW CUT FLOOR AS REQUIRED TO INSTALL NEW UNDER SLAB ELECTRICAL AND DATA LINES FOR NEW PRINTER STATION.

30. REMOVE EXISTING DOOR AND FRAME COMPLETE. PREPARE OPENING FOR NEW DOOR AND FRAME AS REQUIRED.

31. REMOVE EXISTING DOOR AND FRAME COMPLETE.

EXISTING / DEMOLTION FIRST FLOOR PLAN

SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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DATE	REVISIONS	BY

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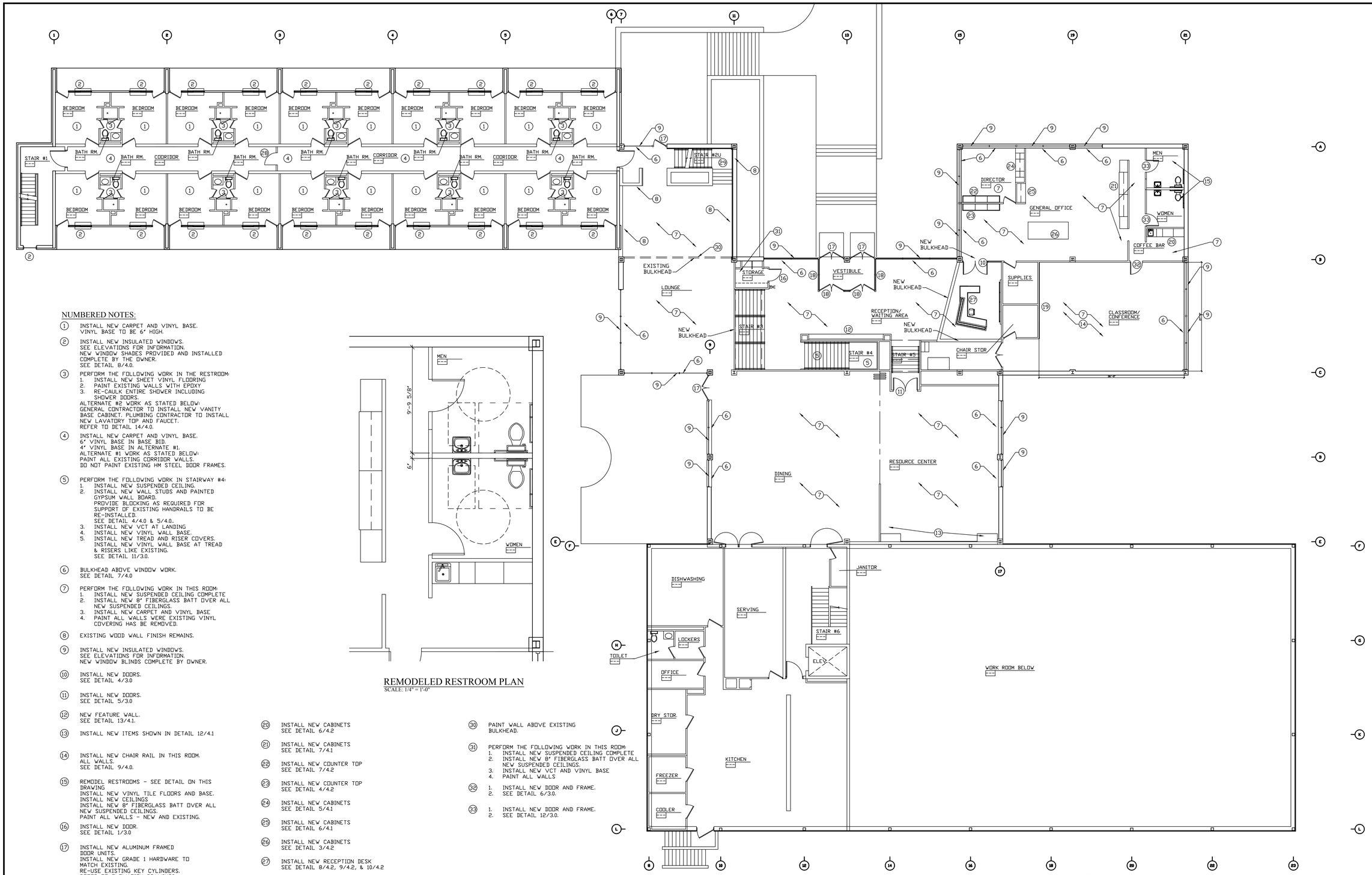
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: 1st Model #F

2.2



NUMBERED NOTES:

1. INSTALL NEW CARPET AND VINYL BASE. VINYL BASE TO BE 6" HIGH.
2. INSTALL NEW INSULATED WINDOWS. SEE ELEVATIONS FOR INFORMATION. NEW WINDOW SHADES PROVIDED AND INSTALLED COMPLETE BY THE OWNER. SEE DETAIL 8/4.0.
3. PERFORM THE FOLLOWING WORK IN THE RESTROOM:
   1. INSTALL NEW SHEET VINYL FLOORING
   2. PAINT EXISTING WALLS WITH EPOXY
   3. RE-CAULK ENTIRE SHOWER INCLUDING SHOWER DOORS.

   ALTERNATE #2 WORK AS STATED BELOW: GENERAL CONTRACTOR TO INSTALL NEW VANITY BASE CABINET. PLUMBING CONTRACTOR TO INSTALL NEW LAVATORY TOP AND FAUCET. REFER TO DETAIL 14/4.0.
4. INSTALL NEW CARPET AND VINYL BASE. 6" VINYL BASE IN BASE BID. 4" VINYL BASE IN ALTERNATE #1. ALTERNATE #1 WORK AS STATED BELOW: PAINT ALL EXISTING CORRIDOR WALLS. DO NOT PAINT EXISTING HM STEEL DOOR FRAMES.
5. PERFORM THE FOLLOWING WORK IN STAIRWAY #4:
   1. INSTALL NEW SUSPENDED CEILING.
   2. INSTALL NEW WALL STUDS AND PAINTED GYPSUM WALL BOARD. PROVIDE BLOCKING AS REQUIRED FOR SUPPORT OF EXISTING HANDRAILS TO BE RE-INSTALLED. SEE DETAIL 4/4.0 & 5/4.0.
   3. INSTALL NEW VCT AT LANDING
   4. INSTALL NEW VINYL WALL BASE.
   5. INSTALL NEW TREAD AND RISER COVERS. INSTALL NEW VINYL WALL BASE AT TREAD & RISERS LIKE EXISTING. SEE DETAIL 11/3.0.
6. BULKHEAD ABOVE WINDOW WORK. SEE DETAIL 7/4.0
7. PERFORM THE FOLLOWING WORK IN THIS ROOM:
   1. INSTALL NEW SUSPENDED CEILING COMPLETE
   2. INSTALL NEW 8" FIBERGLASS BATT OVER ALL NEW SUSPENDED CEILINGS.
   3. INSTALL NEW CARPET AND VINYL BASE
   4. PAINT ALL WALLS WERE EXISTING VINYL COVERING HAS BE REMOVED.
8. EXISTING WOOD WALL FINISH REMAINS.
9. INSTALL NEW INSULATED WINDOWS. SEE ELEVATIONS FOR INFORMATION. NEW WINDOW BLINDS COMPLETE BY OWNER.
10. INSTALL NEW DOORS. SEE DETAIL 4/3.0
11. INSTALL NEW DOORS. SEE DETAIL 5/3.0
12. NEW FEATURE WALL. SEE DETAIL 13/4.1.
13. INSTALL NEW ITEMS SHOWN IN DETAIL 12/4.1
14. INSTALL NEW CHAIR RAIL IN THIS ROOM. ALL WALLS. SEE DETAIL 9/4.0.
15. REMODEL RESTROOMS - SEE DETAIL ON THIS DRAWING
    INSTALL NEW VINYL TILE FLOORS AND BASE.
    INSTALL NEW CEILINGS
    INSTALL NEW 8" FIBERGLASS BATT OVER ALL NEW SUSPENDED CEILINGS.
    PAINT ALL WALLS - NEW AND EXISTING.
16. INSTALL NEW DOOR. SEE DETAIL 1/3.0
17. INSTALL NEW ALUMINUM FRAMED DOOR UNITS. INSTALL NEW GRADE 1 HARDWARE TO MATCH EXISTING. RE-USE EXISTING KEY CYLINDERS. REFER TO ELEVATION DRAWINGS.
18. INSTALL NEW ALUMINUM FRAMED VESTIBULE WALL AND DOORS. MATCH EXISTING HARDWARE ON DOORS. ALL HARDWARE TO BE GRADE 1. SEE DETAIL 8/3.0 & 9/3.0.
19. INSTALL NEW ITEMS. SEE DETAIL 5/4.2
20. INSTALL NEW CABINETS SEE DETAIL 6/4.2
21. INSTALL NEW CABINETS SEE DETAIL 7/4.1
22. INSTALL NEW COUNTER TOP SEE DETAIL 7/4.2
23. INSTALL NEW COUNTER TOP SEE DETAIL 4/4.2
24. INSTALL NEW CABINETS SEE DETAIL 5/4.1
25. INSTALL NEW CABINETS SEE DETAIL 6/4.1
26. INSTALL NEW CABINETS SEE DETAIL 3/4.2
27. INSTALL NEW RECEPTION DESK SEE DETAIL 8/4.2, 9/4.2, & 10/4.2
28. INSTALL NEW WALL & DOOR. SEE DETAIL 7/3.0
29. PERFORM THE FOLLOWING WORK IN STAIRWAY #2U:
    1. INSTALL NEW SUSPENDED CEILING COMPLETE
    2. INSTALL NEW 8" FIBERGLASS BATT OVER ALL NEW SUSPENDED CEILINGS.REMOVE EXISTING
    3. PAINT EXISTING STEEL STRINGERS.
    4. INSTALL CARPET ON LANDINGS.
    5. INSTALL CARPET ON TREADS. INSTALL VINYL ON RISERS. INSTALL NOSE TREADS. REFER TO DETAIL 10/3.0.
30. PAINT WALL ABOVE EXISTING BULKHEAD.
31. PERFORM THE FOLLOWING WORK IN THIS ROOM:
    1. INSTALL NEW SUSPENDED CEILING COMPLETE
    2. INSTALL NEW 8" FIBERGLASS BATT OVER ALL NEW SUSPENDED CEILINGS.
    3. INSTALL NEW VCT AND VINYL BASE
    4. PAINT ALL WALLS
32. 1. INSTALL NEW DOOR AND FRAME.
    2. SEE DETAIL 6/3.0.
33. 1. INSTALL NEW DOOR AND FRAME.
    2. SEE DETAIL 12/3.0.

REMODELED RESTROOM PLAN
SCALE: 1/4" = 1'-0"

REMODELED FIRST FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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BUILDING RENOVATION

MICHAEL R. WALDBIESER
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SYCAMORE BUILDING
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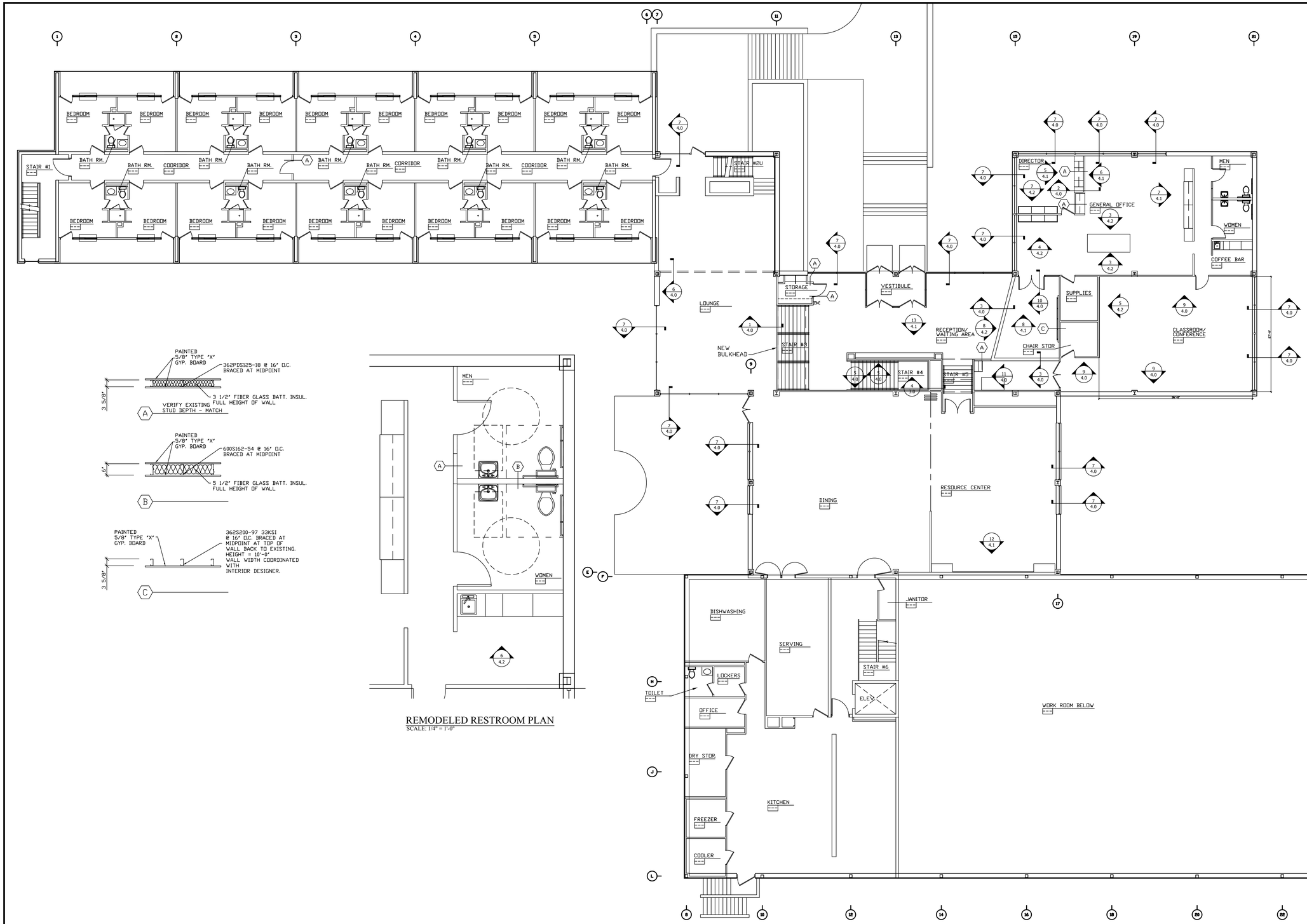
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: AS NOTED
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: 1st Model #F

2.3



REMODELED RESTROOM PLAN
SCALE: 1/4" = 1'-0"

WALL SECTION / ELEVATION MARK
FIRST FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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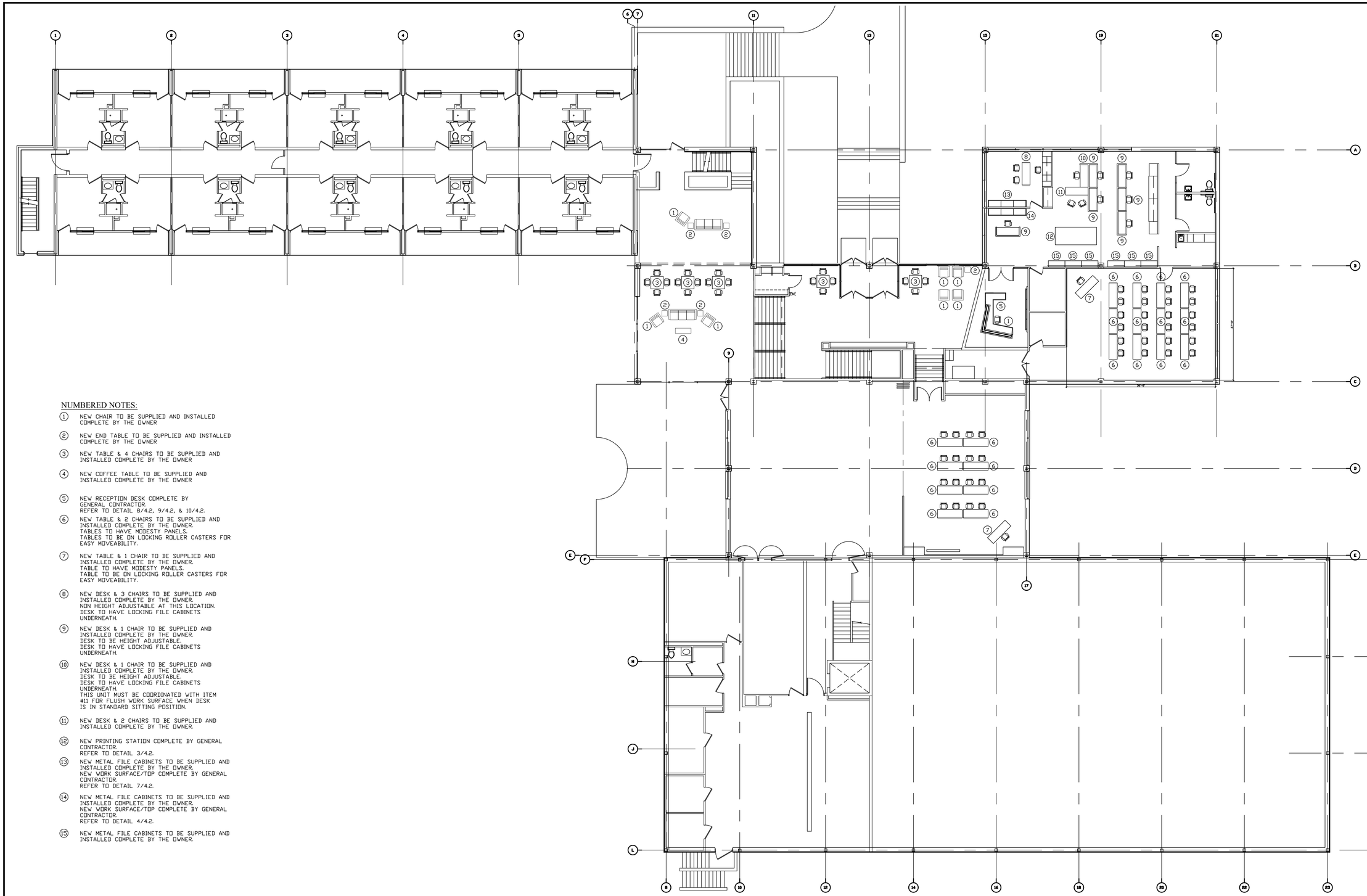

NUMBERED NOTES:

1. NEW CHAIR TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER
2. NEW END TABLE TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER
3. NEW TABLE & 4 CHAIRS TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER
4. NEW COFFEE TABLE TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER
5. NEW RECEPTION DESK COMPLETE BY GENERAL CONTRACTOR. REFER TO DETAIL 8/4.2, 9/4.2, & 10/4.2.
6. NEW TABLE & 2 CHAIRS TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER. TABLES TO HAVE MODESTY PANELS. TABLES TO BE ON LOCKING ROLLER CASTERS FOR EASY MOVEABILITY.
7. NEW TABLE & 1 CHAIR TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER. TABLE TO HAVE MODESTY PANELS. TABLE TO BE ON LOCKING ROLLER CASTERS FOR EASY MOVEABILITY.
8. NEW DESK & 3 CHAIRS TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER. NON HEIGHT ADJUSTABLE AT THIS LOCATION. DESK TO HAVE LOCKING FILE CABINETS UNDERNEATH.
9. NEW DESK & 1 CHAIR TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER. DESK TO BE HEIGHT ADJUSTABLE. DESK TO HAVE LOCKING FILE CABINETS UNDERNEATH.
10. NEW DESK & 1 CHAIR TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER. DESK TO BE HEIGHT ADJUSTABLE. DESK TO HAVE LOCKING FILE CABINETS UNDERNEATH. THIS UNIT MUST BE COORDINATED WITH ITEM #11 FOR FLUSH WORK SURFACE WHEN DESK IS IN STANDARD SITTING POSITION.
11. NEW DESK & 2 CHAIRS TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER.
12. NEW PRINTING STATION COMPLETE BY GENERAL CONTRACTOR. REFER TO DETAIL 3/4.2.
13. NEW METAL FILE CABINETS TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER. NEW WORK SURFACE/TOP COMPLETE BY GENERAL CONTRACTOR. REFER TO DETAIL 7/4.2.
14. NEW METAL FILE CABINETS TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER. NEW WORK SURFACE/TOP COMPLETE BY GENERAL CONTRACTOR. REFER TO DETAIL 4/4.2.
15. NEW METAL FILE CABINETS TO BE SUPPLIED AND INSTALLED COMPLETE BY THE OWNER.

FIRST FLOOR FURNITURE PLAN

SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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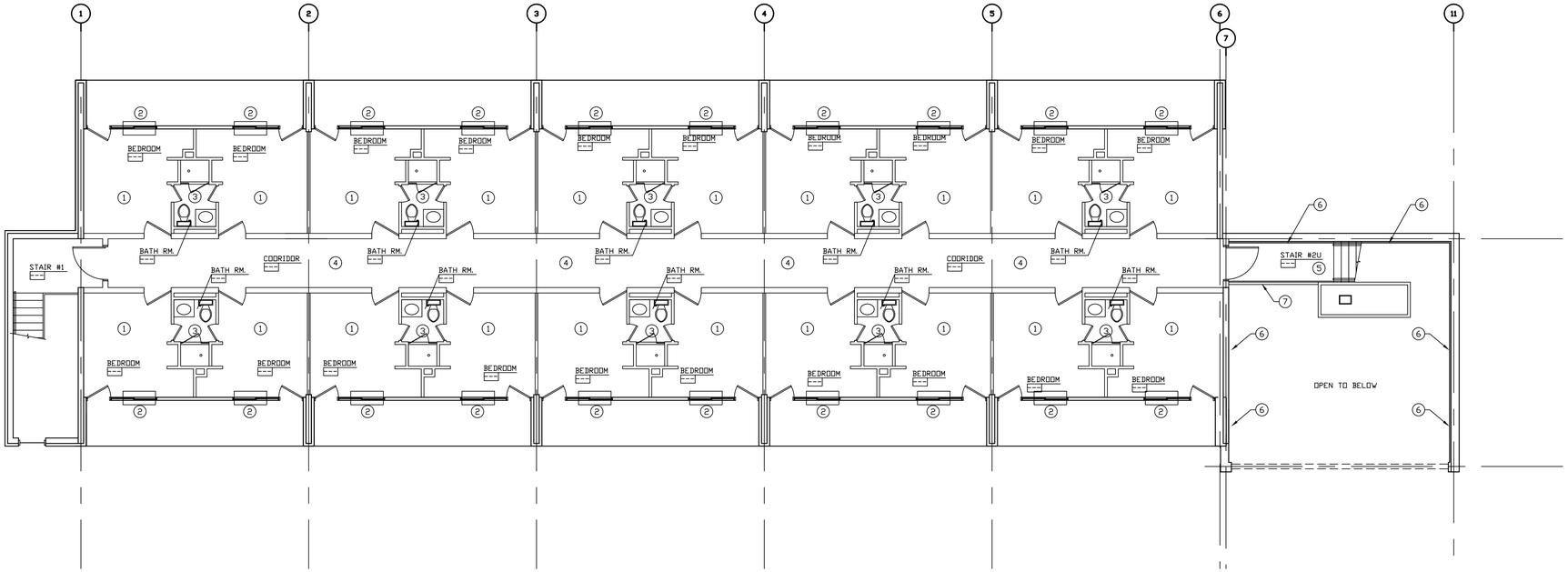
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: 1st Model #F

2.5



EXISTING
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

NUMBERED NOTES:

1. EXISTING CARPET TO BE REMOVED BY THE OWNER. EXISTING 4" VINYL BASE TO BE REMOVED BY THE GENERAL CONTRACTOR ON THE PROJECT. FLOOR PREP AS REQUIRED BY THE GENERAL CONTRACTOR ON THE PROJECT.

2. REMOVE EXISTING WINDOW UNIT AND PREPARE OPENING FOR NEW INSULATED WINDOWS. SEE ELEVATIONS FOR INFORMATION. REMOVE EXISTING WINDOW SHADES/BLINDS.

3. PERFORM THE FOLLOWING WORK IN THE RESTROOM:
   1. PREPARE EXISTING FLOOR AS REQUIRED FOR NEW SHEET VINYL FLOORING.
   2. PREPARE EXISTING WALLS AS REQUIRED FOR NEW EPOXY PAINT. REMOVE EXISTING RECESSED TOILET PAPER HOLDER ON REAR WALL. PATCH OPENING.
   3. REMOVE EXISTING VINYL BASE.
   4. REMOVE ALL CAULKING IN EXISTING SHOWER STALL.

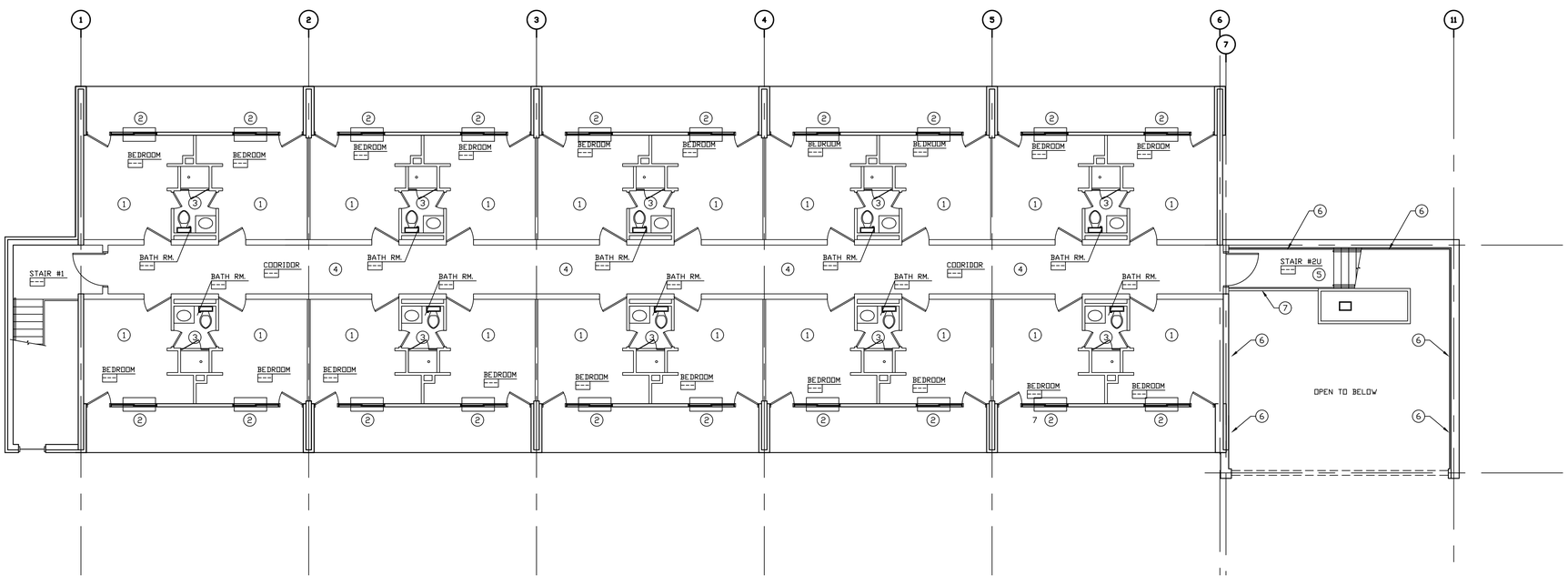
   ALTERNATE #2 WORK AS STATED BELOW:
   PLUMBING CONTRACTOR TO REMOVE AND REPLACE EXISTING WALL HUNG LAVATORY AND FAUCET. GENERAL CONTRACTOR TO REPAIR WALLS AS REQUIRED FOR INSTALLATION OF NEW VANITY AND CULTURED MARBLE TOP.

4. EXISTING CARPET TO BE REMOVED BY THE OWNER. EXISTING 4" VINYL BASE TO BE REMOVED BY THE GENERAL CONTRACTOR ON THE PROJECT. FLOOR PREP AS REQUIRED BY THE GENERAL CONTRACTOR ON THE PROJECT.
   ALTERNATE #1 WORK AS STATED BELOW:
   PREPARE CORRIDOR WALLS FOR PAINTING.

5. PERFORM THE FOLLOWING WORK IN STAIRWAY #2U:
   1. REMOVE EXISTING SUSPENDED CEILING COMPLETE. ALSO REMOVE EXISTING 6" FIBERGLASS BATT INSULATION ON TOP OF EXISTING SUSPENDED CEILING
   2. REMOVE EXISTING CARPET ON STAIRS AND LANDINGS.
   3. PREPARE STEEL STRINGERS FOR PAINTING.

6. EXISTING WOOD WALL FINISH REMAINS.

7. EXISTING HANDRAIL / GUARDRAIL REMAINS. PAINT TO MATCH STRINGERS IN STAIR #2U. DO NOT PAIN ANY WOOD.



REMODELED
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

NUMBERED NOTES:

1. INSTALL NEW CARPET AND VINYL BASE. VINYL BASE TO BE 6" HIGH.

2. INSTALL NEW INSULATED WINDOWS. SEE ELEVATIONS FOR INFORMATION. NEW WINDOW SHADES PROVIDED AND INSTALLED COMPLETE BY THE OWNER. SEE DETAIL 8/4.0.

3. PERFORM THE FOLLOWING WORK IN THE RESTROOM:
   1. INSTALL NEW SHEET VINYL FLOORING
   2. PAINT EXISTING WALLS WITH EPOXY
   3. RE-CAULK ENTIRE SHOWER INCLUDING SHOWER DOORS.

   ALTERNATE #2 WORK AS STATED BELOW:
   GENERAL CONTRACTOR TO INSTALL NEW VANITY BASE CABINET. PLUMBING CONTRACTOR TO INSTALL NEW LAVATORY TOP AND FAUCET. REFER TO DETAIL 14/4.0.
   ALTERNATE #3 WORK AS STATED BELOW:
   INSTALL VCT TILE INSTEAD OF SHEET VINYL FLOORING IN DORMITORY RESTROOMS. TYPICAL OF 30 LOCATIONS.

4. INSTALL NEW CARPET AND VINYL BASE. 6" VINYL BASE IN BASE BID. 4" VINYL BASE IN ALTERNATE #1.
   ALTERNATE #1 WORK AS STATED BELOW:
   PAINT ALL EXISTING CORRIDOR WALLS. DO NOT PAINT EXISTING HM STEEL DOOR FRAMES.

5. PERFORM THE FOLLOWING WORK IN STAIRWAY #2U:
   1. INSTALL NEW SUSPENDED CEILING COMPLETE
   2. INSTALL NEW 8" FIBERGLASS BATT OVER ALL NEW SUSPENDED CEILINGS.
   3. PAINT EXISTING STEEL STRINGERS.
   4. INSTALL CARPET ON LANDINGS.
   5. INSTALL CARPET ON TREADS. INSTALL VINYL ON RISERS. INSTALL NOSE TREADS. REFER TO DETAIL 10/3.0.

6. EXISTING WOOD WALL FINISH REMAINS.

7. EXISTING HANDRAIL / GUARDRAIL REMAINS. PAINT TO MATCH STRINGERS IN STAIR #2U. DO NOT PAIN ANY WOOD.

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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APPROVED BY: MRW

PROJECT: 18-14
FILE: 2nd Model #F

2.6

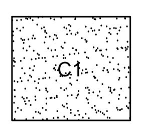
ROOM FINISH SCHEDULE

ROOM NAME	FLOOR / BASE	WALL FINISHES NORTH	SOUTH	EAST	WEST	COMMENTS / REMARKS
VESTIBULE	C3 / B1	P1	P1	P1	P1	USE 4" VINYL BASE
RECEPTION / WAITING	C1+C2 / B1	P1	P1	P1	P1	
GENERAL OFFICE	C1+C2 / B1	P1	P1	P1	P1	
DIRECTOR	C1 / B1	P1	P1	P1	P1	
MEN	VCT / B2	P1	P1	P1	P1	
WOMEN	VCT / B2	P1	P1	P1	P1	
CLASSROOM / CONFERENCE	C1 / B1	P1	P1	P1	P1	
RESOURCE CENTER	C1 / B1	P1	P1	P1	P1	
DINING	C2 / B1	P1	P1	P1	P1	
LOUNGE	C1 / B1	P1	P1	P1	P1	
CORRIDOR (AT BEDROOMS)	C2 / B1	P1	P1	P1	P1	
BEDROOMS-TYP.	C1 / B1	P1	P1	P1	P1	
BEDROOM BATHS-TYP.	VCT / -	P1	P1	P1	P1	USE STANDARD 4" VINYL COVE BASE
STAIRS-TYP.	C2 / B1	P1	P1	P1	P1	SEE DRAWINGS FOR MORE DETAILS

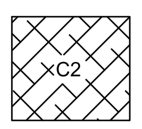
FINISH MATERIAL SCHEDULE

ID	FINISH MATERIAL	MANUFACTURER	SPECIFICATIONS / COLOR	NOTES
C1	CARPET TILE	PATCRAFT	MID CENTURY POP- COLOR BLOCK, RETRO	TWO INSTALL PATTERNS USED
C2	CARPET TILE	PATCRAFT	MID CENTURY POP- COLOR POP, RETRO POP	
C3	WALK-OFF CARPET	MILIKEN	OBEX QUADRUS	SELECT FROM FULL RANGE OF COLORS
VCT	LUXURY VCT	ARMSTRONG	PREMIUM EXCELON RAFFIA STREAM-D10 FINISH	SELECT FROM FULL RANGE OF COLORS
SV	SHEET VINYL	---	--	ALLOWANCE ITEM $6.00/SF INSTALLED
EP	EPOXY FLOOR	---	--	GRIND ALL CONCRETE PRIOR TO APPLICATION.
B1	6" VINYL BASE	JOHNSONITE	TIGHT LOCK- SELECT FROM FULL RANGE	
P1	WALL PAINT	SHERWIN WILLIAMS	THREE COLOR PAINT SCHEME BASE ON CUSTOM PANTONE COLORS MATCH ARCHITECTURAL DRAW-DOWN SAMPLES	

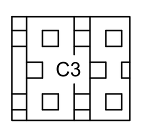
FINISH NOTES:
1. ALL FINISHES TO BE SUBMITTED AND REVIEWED BY OWNER/ INTERIOR DESIGNER
2. FLOORING INSTALLER TO MOISTURE TEST ALL FLOORS PRIOR TO INSTALLATION OF FLOORING MATERIALS PER MANUFACTURES RECOMMENDATIONS. INCLUDING EPOXY FLOOR COATING SYSTEM.



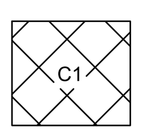
QUARTER TURN INSTALL



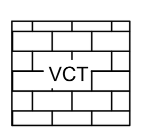
QUARTER TURN INSTALL



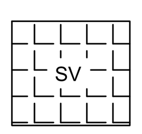
MONOLITHIC



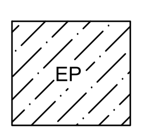
45 DEGREE TO ADJACENT WALLS WITH QUARTER TURN INSTALL



BRICK INSTALL



SHEET VINYL FLOORING ALLOWANCE OF $6.00/SF DORMITORY RESTROOMS ONLY



NEW EPOXY FLOOR COATING

CASEWORK SPECIFICATION:

MEDALLION, DESIGNER LINE, MAPLE, FULL OVERLAY, SLAB DOOR, SELECT FROM FULL RANGE OF STAIN COLORS.

USE PLYWOOD ENDS AT ALL WET AREAS AND SINK BASES

SOFT CLOSE DOOR AND DRAWERS

EXACT EQUALS TO MEDALLION WILL BE REVIEWED

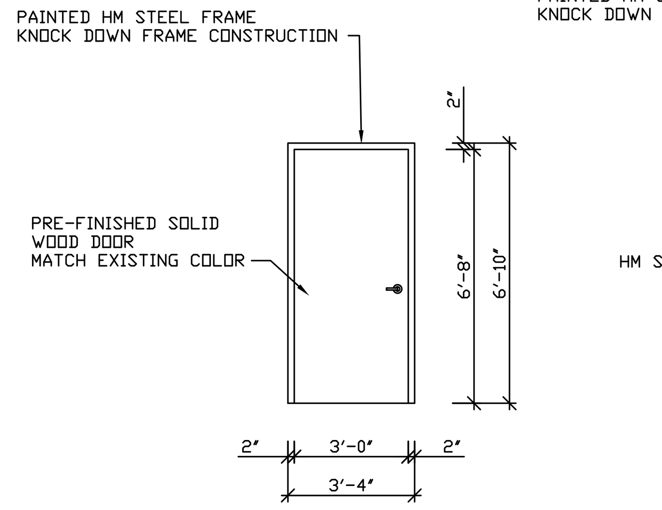
COUNTERTOPS ARE TYPICALLY CORIAN AGGREGATE COLLECTION, SELECT FROM FULL RANGE OF COLORS

RECEPTION DESK LOWER TOP TO RECEIVE CUSTOM POURED CONCRETE COUNTERTOP WITH CLEAR COAT SEAL. PROVIDE ADDITIONAL CASEWORK SUPPORT AS REQUIRED TO BEAR WEIGHT.

ALL COUNTERTOP OUTSIDE CORNERS AND FRONT EDGES TO BE EASED.

CASEWORK SUPPLIER IS RESPONSIBLE FOR FIELD VERIFYING DIMENSIONS WHERE CASEWORK IS TO BE INSTALLED.

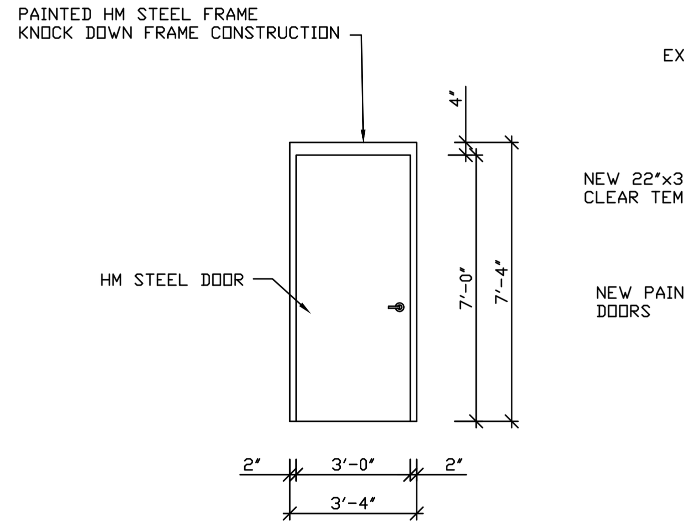
PROVIDE CAM LOCKS FOR ALL DOORS AND DRAWERS AT RECEPTION DESK, ALL KEYED ALIKE, PROVIDE 3 KEYS



HARDWARE SET

1. KNOCKED-DOWN HM STEEL FRAME
2. PRE-FINISHED SOLID WOOD DOOR
3. GRADE 1 LEVER HANDLE LOCKSET LOCKING FUNCTION AS DIRECTED BY OWNER
4. THREE BALL BEARING HINGES
5. DOOR SILENCERS

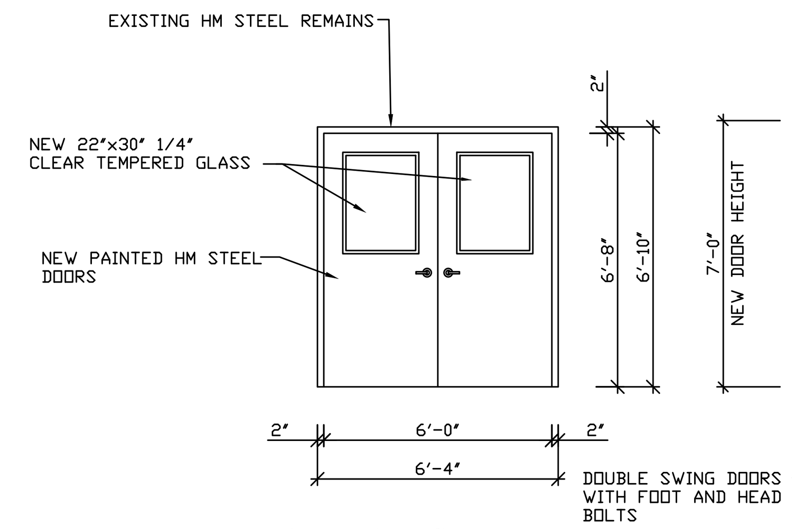
1/3.0 DOOR ELEVATION
SCALE: 1/4" = 1'-0



HARDWARE SET

1. KNOCKED-DOWN HM STEEL FRAME
2. HM STEEL DOOR
3. GRADE 1 LEVER HANDLE LOCKSET LOCKING FUNCTION AS DIRECTED BY OWNER
4. THREE BALL BEARING HINGES
5. DOOR SILENCERS

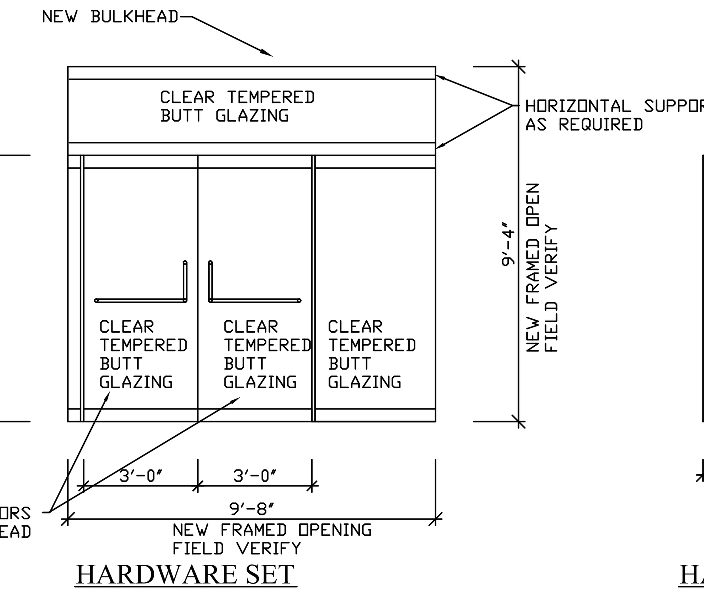
2/3.0 DOOR ELEVATION
SCALE: 1/4" = 1'-0



HARDWARE SET

1. EXISTING HM STEEL FRAME
2. NEW - X2 HM STEEL DOORS
3. FOOTBOLT & HEADBOLTS ON INACTIVE LEAF NEW GRADE 1 LEVER HANDLE LOCKSET ON ACTIVE LEAF. LOCKING FUNCTION AS DIRECTED BY OWNER
4. NEW SIX BALL BEARING HINGES
5. NEW DOOR SILENCERS
6. NEW GRADE 1 AUTO CLOSURE ON ACTIVE LEAF

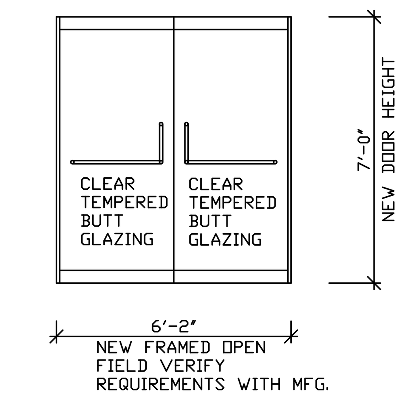
3/3.0 DOOR ELEVATION
SCALE: 1/4" = 1'-0



HARDWARE SET

1. OLDCASTLE BUILDING ENVELOPE ALL GLASS ENTRY SYSTEMS OR EQUAL BY CRL/US ALUM OR BLUMCRAFT.
2. FULL TOP AND BOTTOM RAILS ON ALL PANELS.
3. GLAZING AS REQUIRED BY DESIGN
4. FLOOR MOUNTED CLOSERS ON EACH LEAF
5. WITH OBE-8 PUSH-PULL ON EACH LEAF
6. WITH LL05 BOTTOM RAIL LOCK WITH ROUND BOLT ON EACH LEAF.

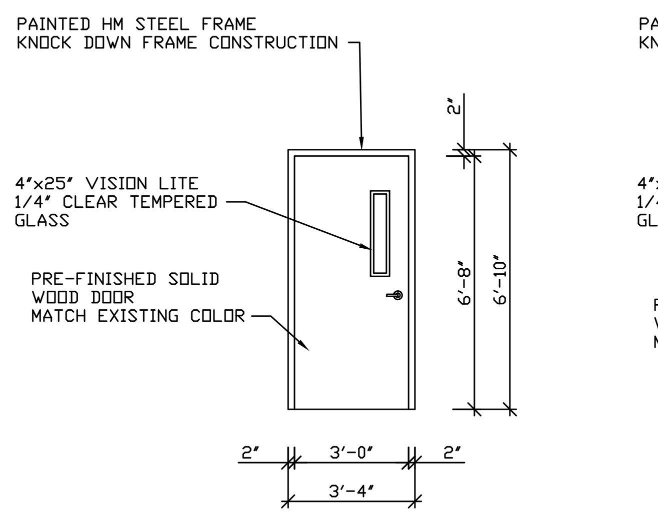
4/3.0 DOOR ELEVATION
SCALE: 1/4" = 1'-0



HARDWARE SET

1. OLDCASTLE BUILDING ENVELOPE ALL GLASS ENTRY SYSTEMS OR EQUAL BY CRL/US ALUM OR BLUMCRAFT.
2. FULL TOP AND BOTTOM RAILS ON ALL PANELS.
3. GLAZING AS REQUIRED BY DESIGN
4. FLOOR MOUNTED CLOSERS ON EACH LEAF
5. WITH OBE-8 PUSH-PULL ON EACH LEAF

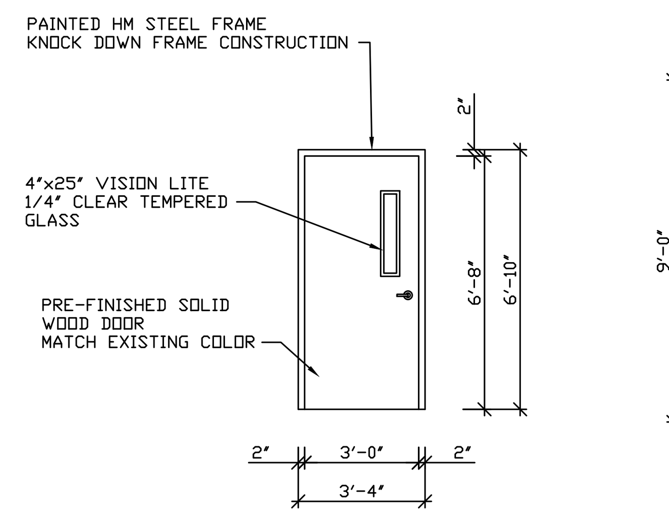
5/3.3 DOOR ELEVATION
SCALE: 1/4" = 1'-0



HARDWARE SET

1. KNOCKED-DOWN HM STEEL FRAME
2. PRE-FINISHED SOLID WOOD DOOR
3. GRADE 1 LEVER HANDLE LOCKSET LOCKING FUNCTION AS DIRECTED BY OWNER
4. THREE BALL BEARING HINGES
5. DOOR SILENCERS
6. GRADE 1 AUTO CLOSURE

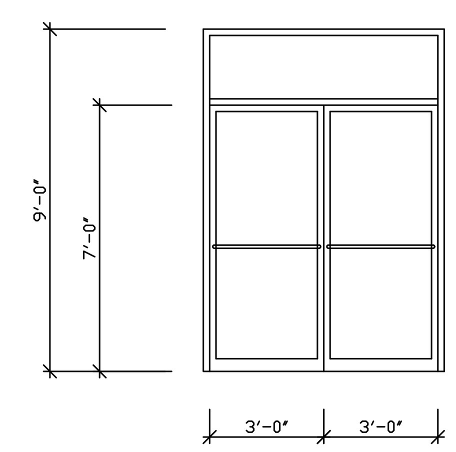
6/3.0 DOOR ELEVATION
SCALE: 1/4" = 1'-0



HARDWARE SET

1. KNOCKED-DOWN HM STEEL FRAME
2. PRE-FINISHED SOLID WOOD DOOR
3. GRADE 1 LEVER HANDLE LOCKSET LOCKING FUNCTION AS DIRECTED BY OWNER
4. THREE BALL BEARING HINGES
5. DOOR SILENCERS
6. GRADE 1 AUTO CLOSURE

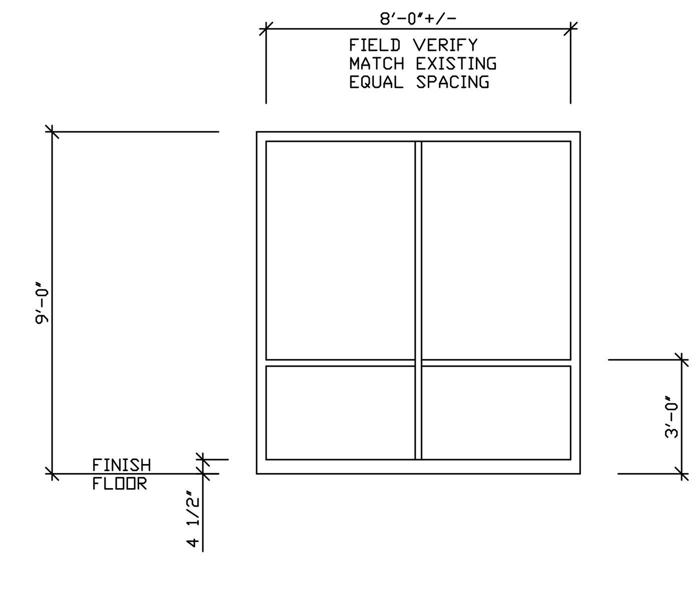
7/3.0 DOOR ELEVATION
SCALE: 1/4" = 1'-0



HARDWARE SET

1. KAWNEER 450 FRAMING SYSTEM
2. 1/4" CLEAR TEMPERED GLASS
3. MATCH EXISTING HARDWARE

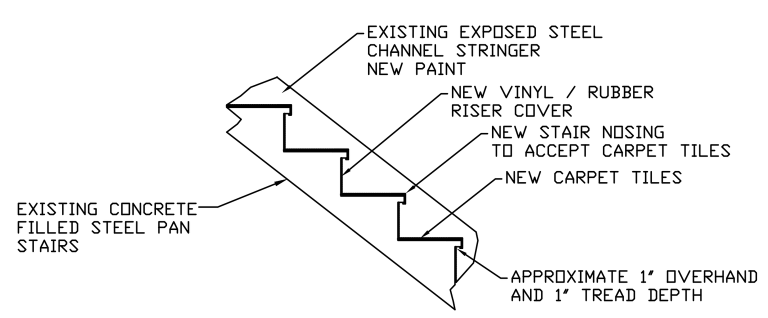
8/3.0 DOOR ELEVATION
SCALE: 1/4" = 1'-0



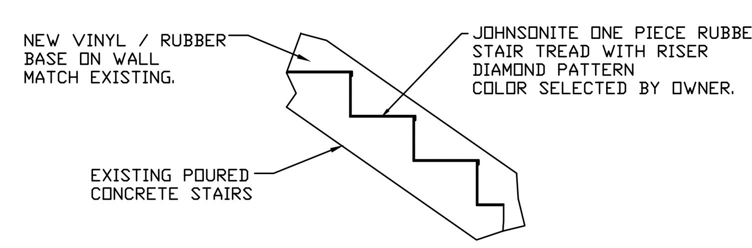
HARDWARE SET

1. KAWNEER 450 FRAMING SYSTEM
2. 1/4" CLEAR TEMPERED GLASS
3. FIELD VERIFY ALL EXISTING DIMENSIONS AND MATCH.

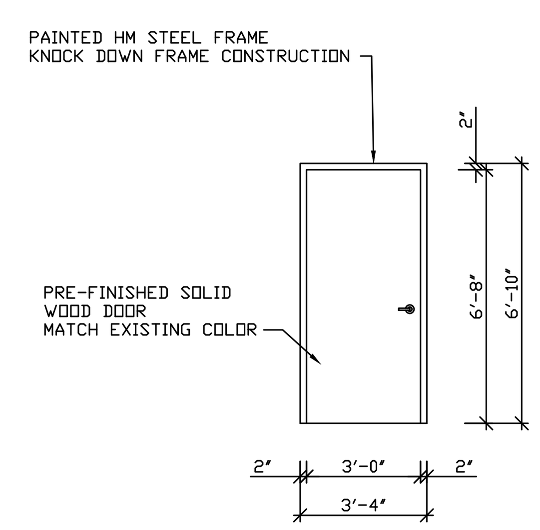
9/3.0 VESTIBULE ELEVATION
SCALE: 1/4" = 1'-0



10/3.0 STAIR #2U DETAIL
SCALE: NONE



11/3.0 STAIR #4 DETAIL
SCALE: NONE



HARDWARE SET

1. KNOCKED-DOWN HM STEEL FRAME
2. PRE-FINISHED SOLID WOOD DOOR
3. GRADE 1 LEVER HANDLE LOCKSET PRIVACY LOCK FUNCTION
4. THREE BALL BEARING HINGES
5. DOOR SILENCERS
6. GRADE 1 AUTO CLOSURE

12/3.0 DOOR ELEVATION
SCALE: 1/4" = 1'-0

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DATE	REVISIONS	BY

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

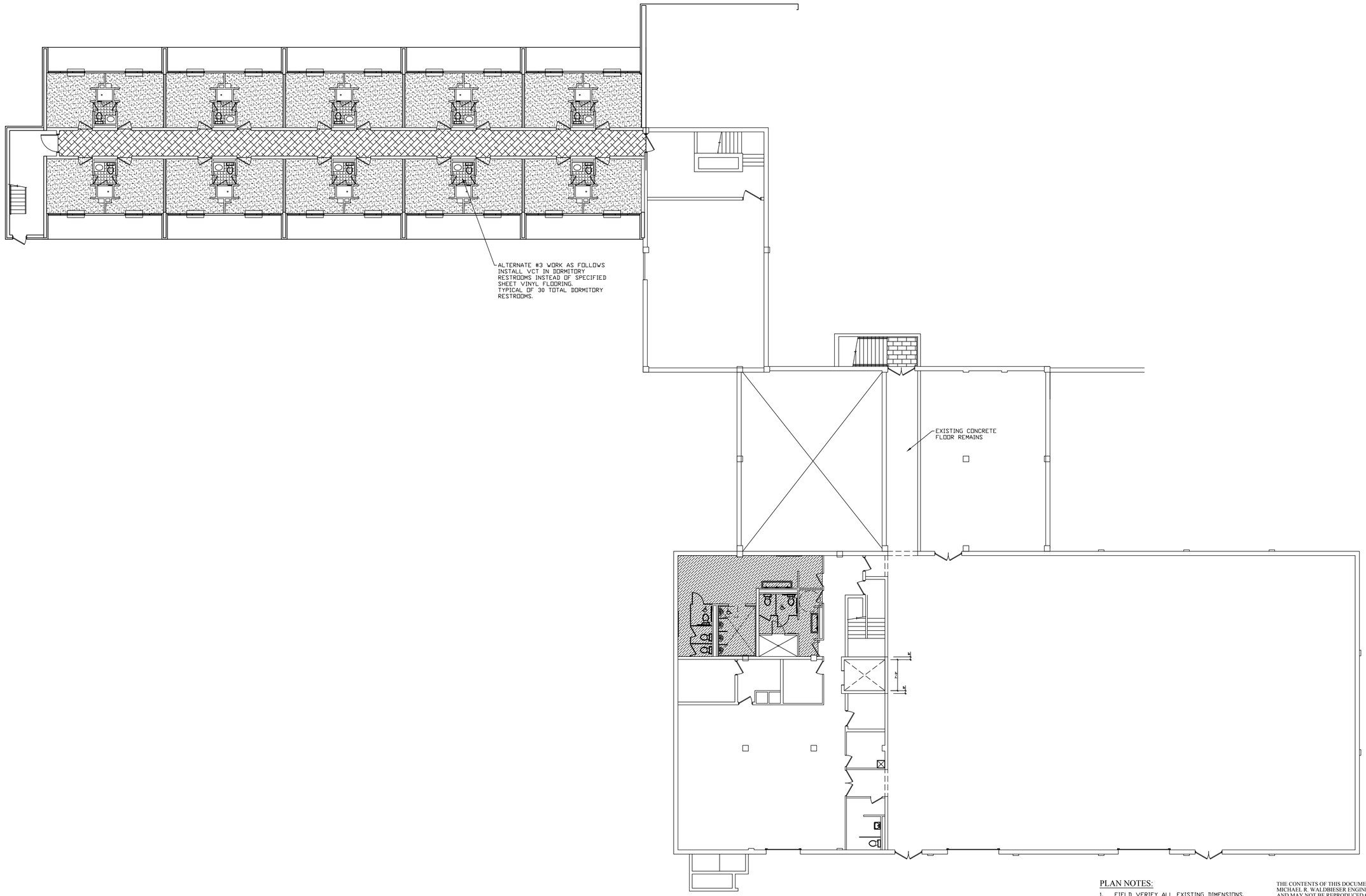
BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC.
STRUCTURAL, PLUMBING, MECHANICAL, & ELECTRICAL DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 804
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: FlrFin #F

3.0



FLOOR FINISH
LOWER LEVEL PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
REGISTERED STRUCTURAL ENGINEER
NO. 19900108
STATE OF INDIANA

INDIANA LABORERS' TRAINING TRUST FUND
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BUILDING RENOVATION

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SYCAMORE BUILDING
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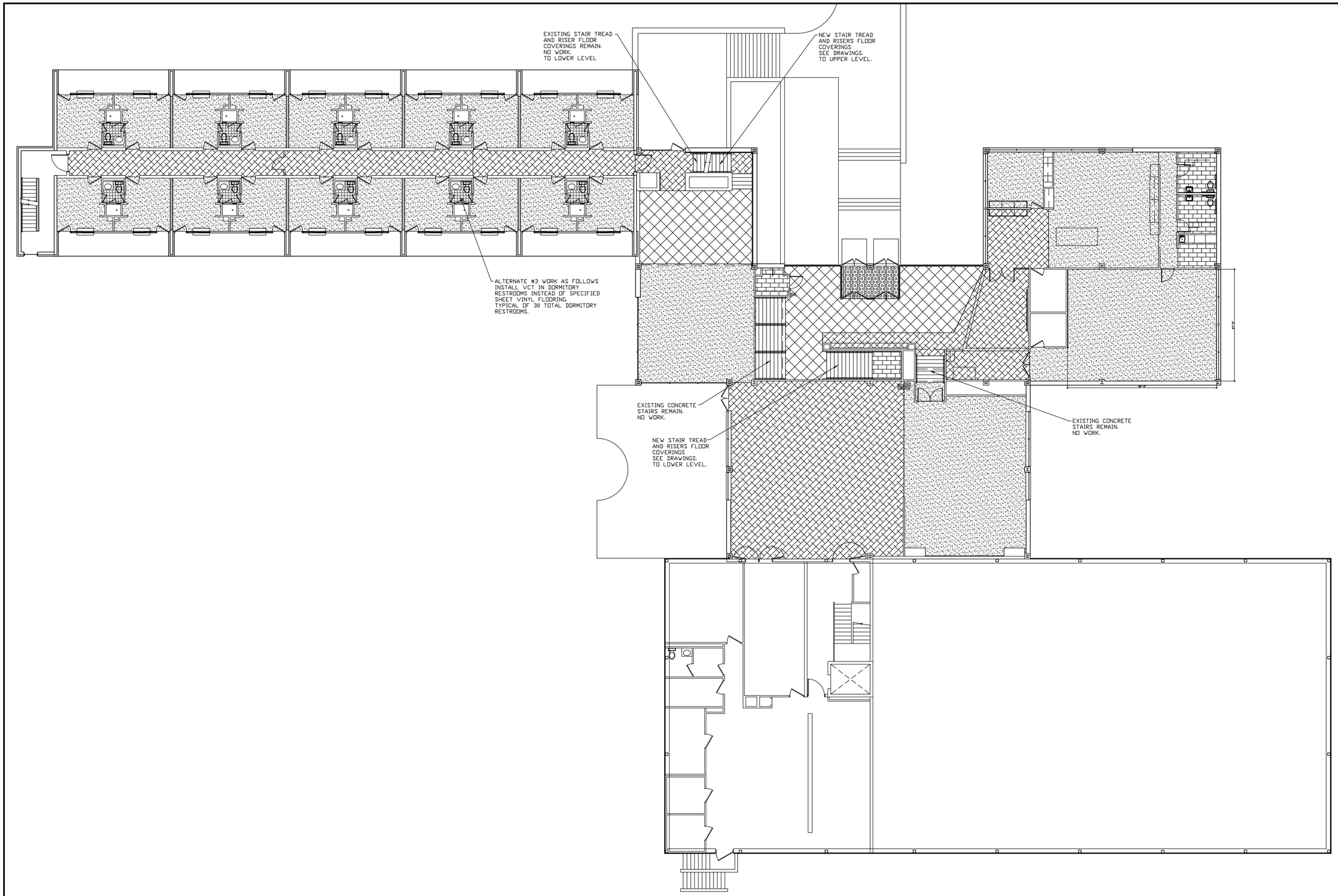
SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: FlrFin #F

3.1



FLOOR FINISH
FIRST FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
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CIVIL ENGINEER

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SCALE: 3/32" = 1'-0"
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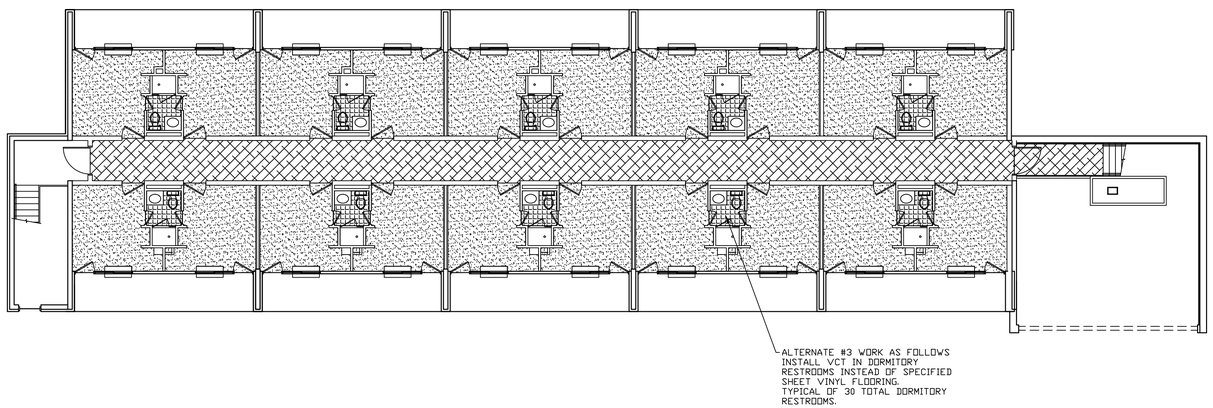
APPROVED BY: MRW

PROJECT: 18-14
FILE: FlrFin #F

3.2



FLOOR FINISH
SECOND FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
REGISTERED
NO. 19900108
STATE OF INDIANA
PROFESSIONAL ENGINEER

Michael R. Waldbieser

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

BUILDING RENOVATION

MICHAEL R. WALDBIESER
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SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 804
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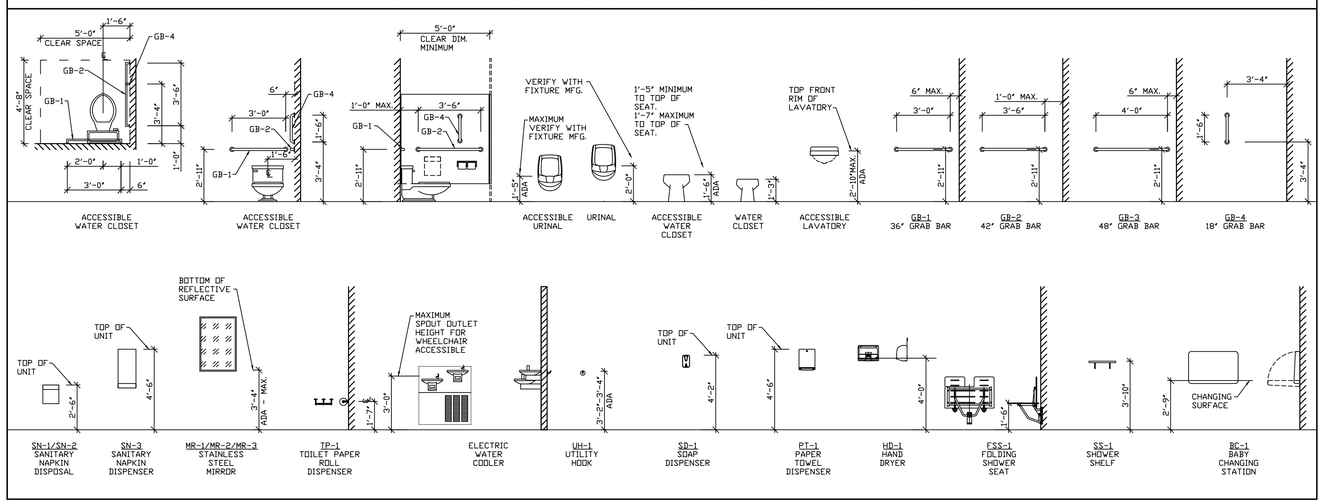
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: FlrFin #F

3.3

TOILET ROOM MOUNTING HEIGHT SCHEDULE

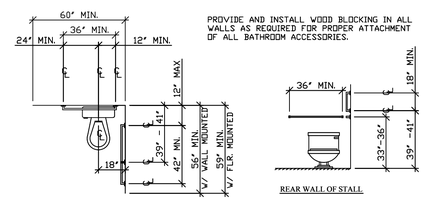


TOILET ROOM ACCESSORY SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	FINISH	REMARKS
BC-1	BABY CHANGING STATION	KOALA KARE	KB200	COLOR BY OWNER	MOUNTING PER MFG.
FSS-1	FOLDING SHOWER SEAT	BOBRICK	B-5181	STAINLESS - SOLID PHENOLIC TOP	MOUNTING PER MFG.
GB-1	36" GRAB BAR	BOBRICK	B-6806	SS-304 SATIN	1 1/2" DIA. WITH SNAP FLANGES
GB-2	42" GRAB BAR	BOBRICK	B-6806	SS-304 SATIN	1 1/2" DIA. WITH SNAP FLANGES
GB-3	48" GRAB BAR	BOBRICK	B-6806	SS-304 SATIN	1 1/2" DIA. WITH SNAP FLANGES
GB-4	18" VERTICAL GRAB BAR	BOBRICK	B-6806	SS-304 SATIN	1 1/2" DIA. WITH SNAP FLANGES
HD-1	HAND DRYER	BOBRICK	B-700	WHITE	115 VOLT, 2300 WATTS, 20 AMP
UH-1	UTILITY HOOK	BOBRICK	B-6707	SS-304 SATIN	-
MR-1	MIRROR (18" WIDE BY 30" HIGH)	BOBRICK	B-290	SS-304 SATIN	-
MR-2	MIRROR (18" WIDE BY 30" HIGH)	BOBRICK	B-292	SS-304 SATIN	UNIT HAS 5" SHELF
MR-3	MIRROR (18" WIDE BY 30" HIGH)	BOBRICK	B-293	SS-304 SATIN	HC TILT MIRROR
MR-4	MIRROR (72" WIDE BY 30" HIGH)	BOBRICK	B-290	SS-304 SATIN	SPECIAL ORDER SIZE
MR-5	MIRROR (48" WIDE BY 30" HIGH)	BOBRICK	B-290	SS-304 SATIN	SPECIAL ORDER SIZE
SCR-1	SHOWER CURTAIN ROD	BOBRICK	B-6047	SS-304 SATIN	1 1/4" 18-GAUGE - LENGTH AS REQUIRED
SCR-2	SHOWER CURTAIN ROD	BOBRICK	B-6107	SS-304 SATIN	1" 20-GAUGE - LENGTH AS REQUIRED
SD-1	SOAP DISPENSER, SURFACE MOUNTED	BOBRICK	B-2111	SS-304 SATIN	-
SD-2	SOAP DISPENSER, LABATORY MOUNTED	BOBRICK	B-822	SS-304 SATIN	-
SN-1	SANITARY NAPKIN DISPOSAL	BOBRICK	B-353	SS-304 SATIN	RECESSED MOUNTED
SN-2	SANITARY NAPKIN DISPOSAL	BOBRICK	B-354	SS-304 SATIN	PARTITION MOUNTED - FOR 2 STALLS
SN-3	SANITARY NAPKIN DISPENSER - SURFACE	BOBRICK	B-2706	SS-304 SATIN	FREE OR COIN OPERATION PER OWNER
SS-1	SHOWER SHELF	BOBRICK	B-296x18	SS-304 SATIN	18" LONG SHELF
PT-1	PAPER TOWEL DISPENSER	BOBRICK	B-262	SS-304 SATIN	FOR USE WITH 400 C-FOLD PAPER TOWELS
TP-1	TOILET PAPER DISPENSER	BOBRICK	B-6867	SS-304 SATIN	DOUBLE ROLL DISPENSER

GENERAL NOTES:

1. PROVIDE AND INSTALL WALL BLOCKING AS REQUIRED BY THE MFG. FOR ALL SPECIFIED ITEMS.
2. MOUNTING HEIGHTS ARE FOR SPECIFIED ITEMS. IF SUBSTITUTIONS ARE MADE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MOUNT THE ITEMS TO ADA/MFG. REQUIREMENTS.

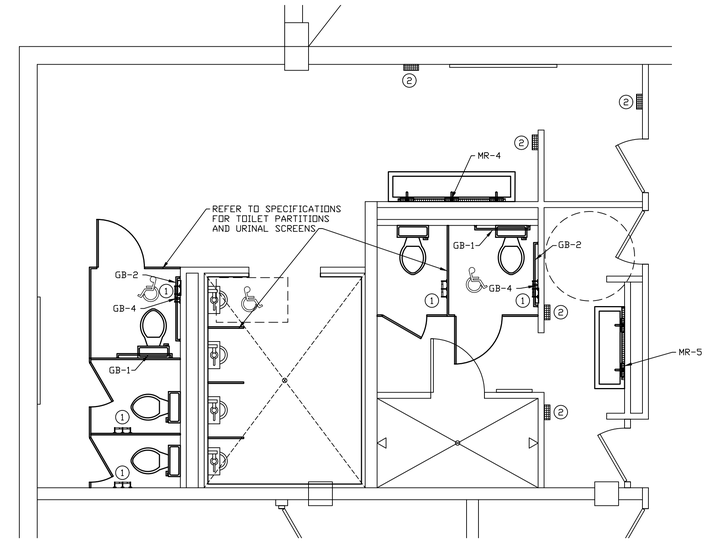


PROVIDE AND INSTALL WOOD BLOCKING IN ALL WALLS AS REQUIRED FOR PROPER ATTACHMENT OF ALL BATHROOM ACCESSORIES.

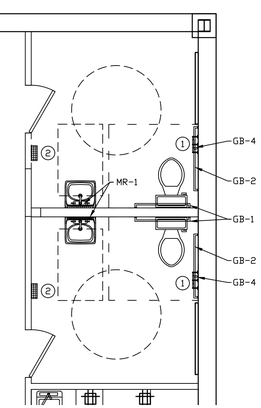
STANDARD HANDICAP STALL LAYOUT

NUMBERED NOTES:

1. TOILET PAPER DISPENSER SUPPLIED AND INSTALLED BY THE OWNER.
2. PAPER TOWEL DISPENSER SUPPLIED AND INSTALLED BY THE OWNER.



LOWER LEVEL RESTROOM ACCESSORY PLAN #1
SCALE: 1/4" = 1'-0"



FIRST FLOOR RESTROOM ACCESSORY PLAN #2
SCALE: 1/4" = 1'-0"

DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
REGISTERED
NO. 19900108
STATE OF INDIANA
PROFESSIONAL ENGINEER

INDIANA LABORERS' TRAINING TRUST FUND
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BUILDING RENOVATION

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SCALE: 1/4" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: HC Acc #F

3.4

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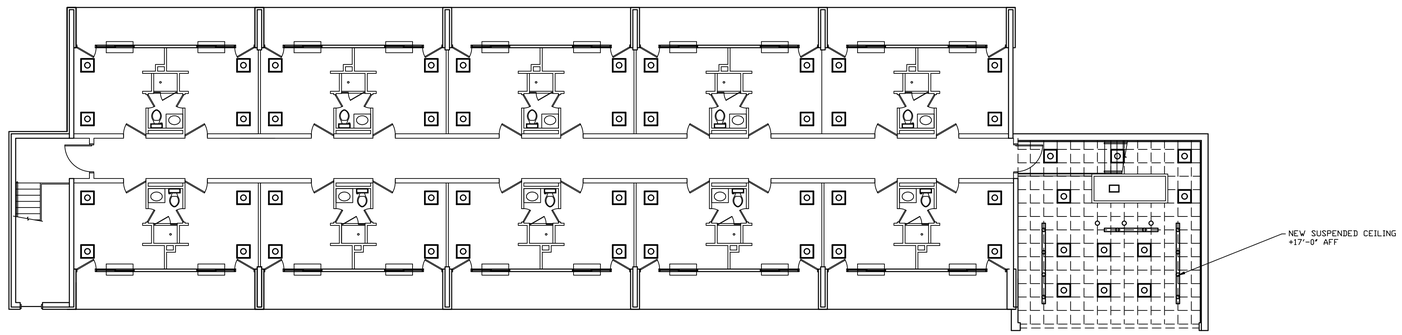
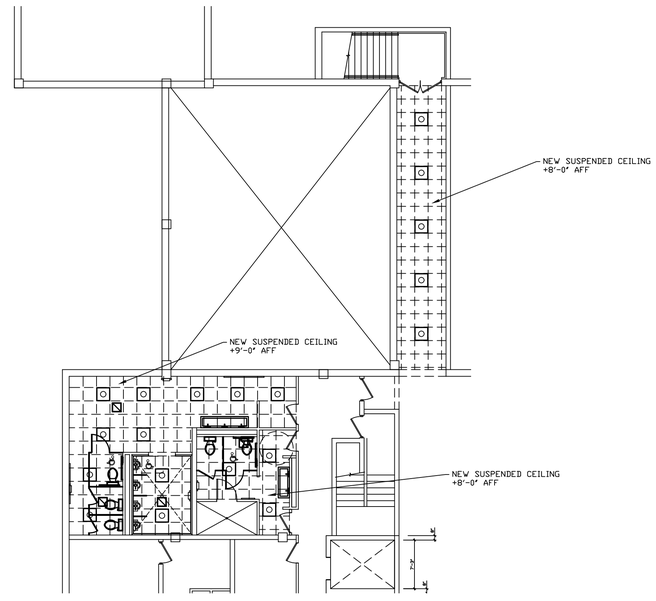


NEW REFLECTIVE CEILING PLAN
SECOND FLOOR
SCALE: 3/32" = 1'-0"



NEW REFLECTIVE CEILING PLAN
LOWER LEVEL
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
REGISTERED STRUCTURAL ENGINEER
NO. 19900108
STATE OF INDIANA

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

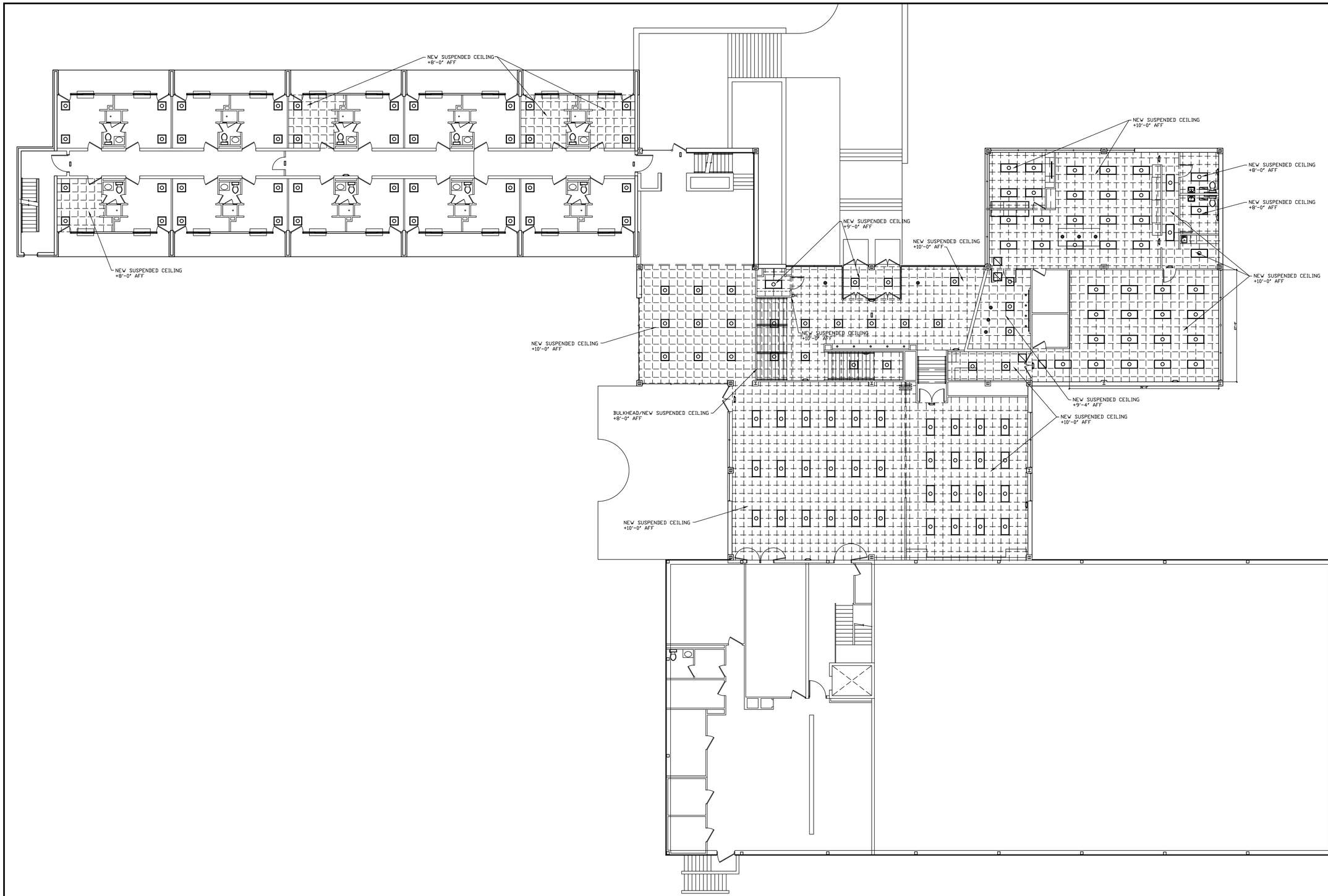
BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 304
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: FlrFin #F

3.5



NEW REFLECTIVE CEILING PLAN
SECOND FLOOR
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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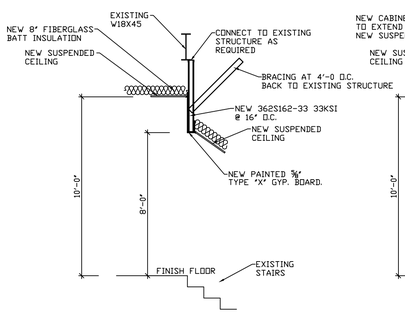
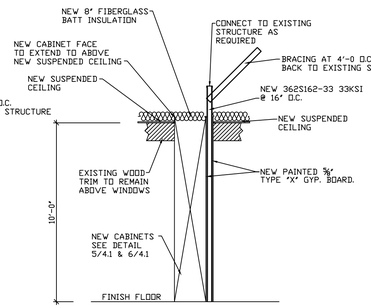
3.6



1 / 4.0 NEW BULKHEAD DETAIL
SCALE: 1/4" = 1'-0



2 / 4.0 NEW WALL DETAIL
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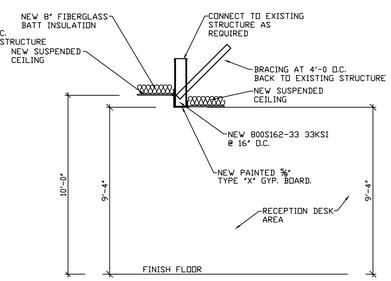

3 / 4.0 NEW BULKHEAD DETAIL
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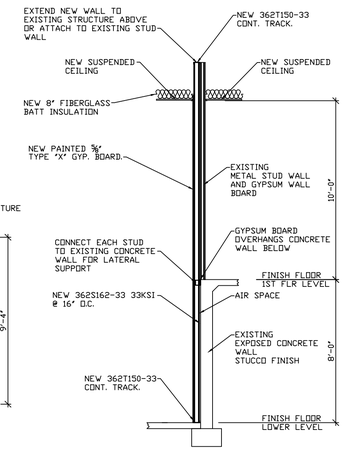

STAIR #4
4 / 4.0 NEW WALL DETAIL
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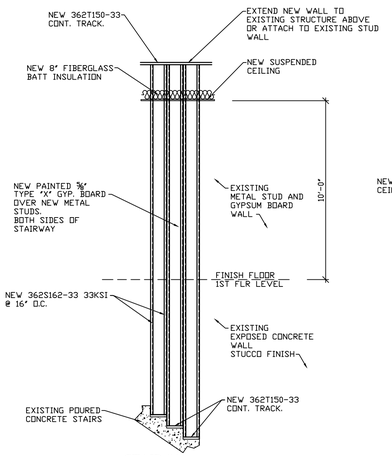

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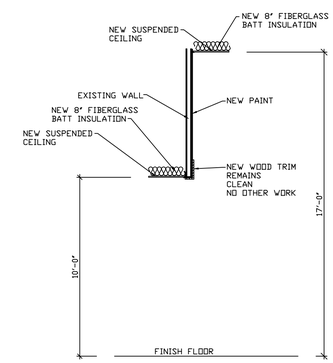

6 / 4.0 EXISTING BULKHEAD DETAIL
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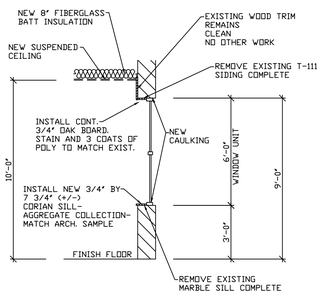

7 / 4.0 NEW WINDOW DETAIL
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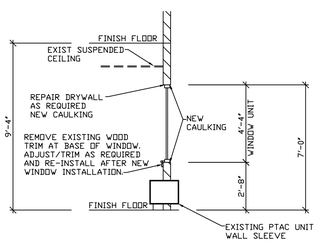

DORMITORY
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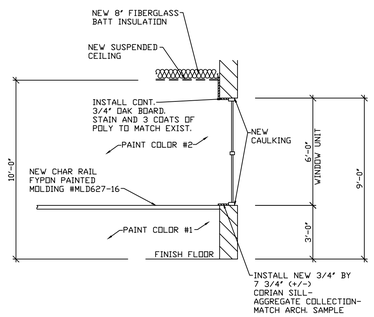

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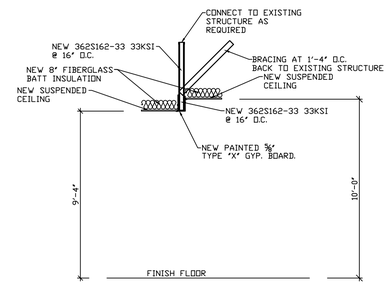

10 / 4.0 NEW BULKHEAD DETAIL
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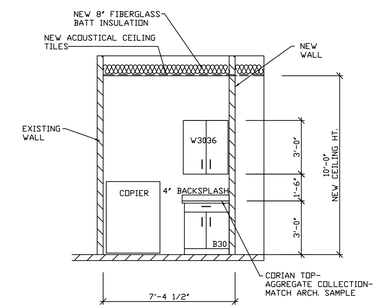

11 / 4.0 COPIER ELEVATION
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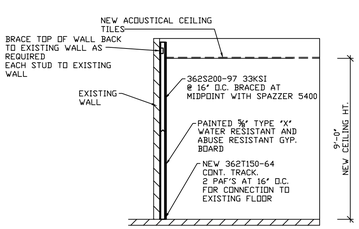
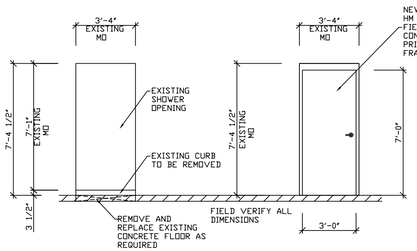
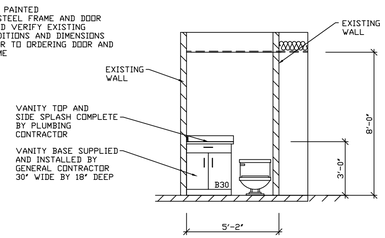


12 / 4.0 RESTROOM WALL
SCALE: 1/4" = 1'-0



13 / 4.0 NEW RESTROOM DOOR
SCALE: 1/4" = 1'-0



DORMITORY RESTROOM
14 / 4.0 NEW VANITY ELEVATION
SCALE: 1/4" = 1'-0

DATE	REVISIONS	BY

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SCALE: 1/4" =1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: Det #F

4.0

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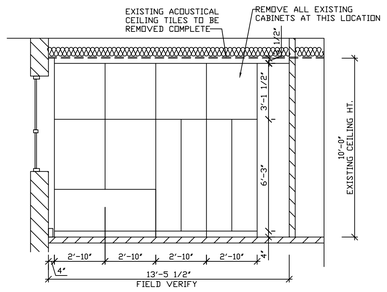
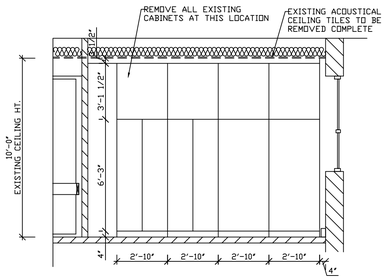


1 4.1 EXISTING DIRECTOR'S OFFICE CABINET ELEVATION
SCALE: 1/4" = 1'-0



2 4.1 EXISTING OFFICE CABINET ELEVATION
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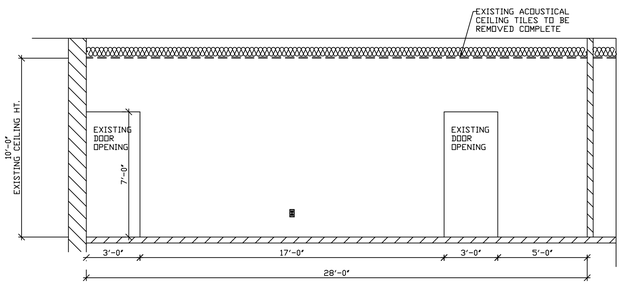
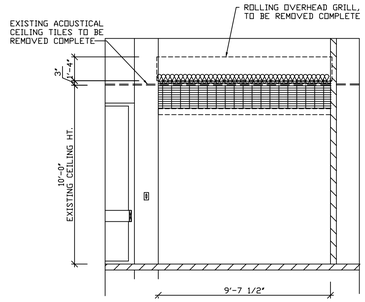


3 4.1 EXISTING OFFICE SOUTH WALL ELEVATION
SCALE: 1/4" = 1'-0



4 4.1 EXISTING WALL ELEVATION OFFICE ROLLING GRILL
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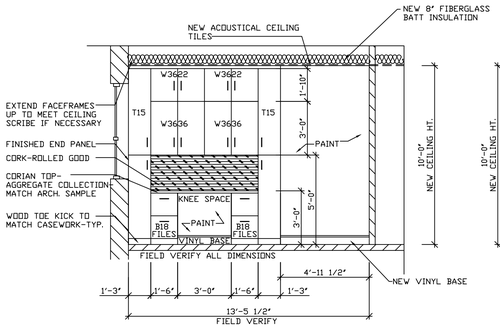

5 4.1 NEW DIRECTOR'S OFFICE CABINET ELEVATION
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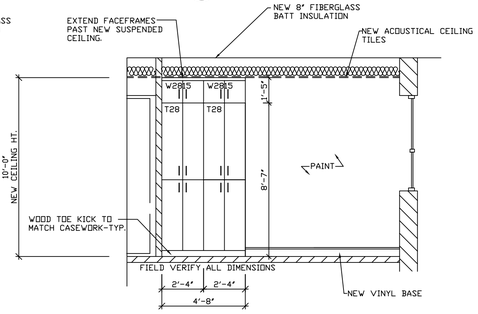

6 4.1 NEW OFFICE CABINET ELEVATION
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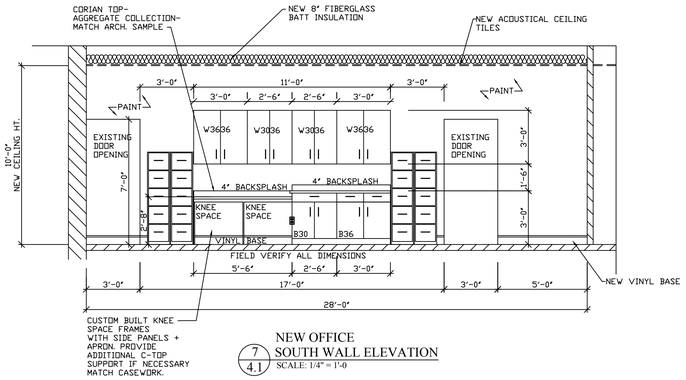
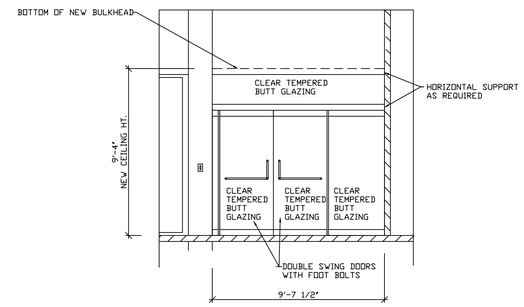


7 4.1 NEW OFFICE SOUTH WALL ELEVATION
SCALE: 1/4" = 1'-0



8 4.1 NEW WALL ELEVATION ENTRY TO OFFICE AREA
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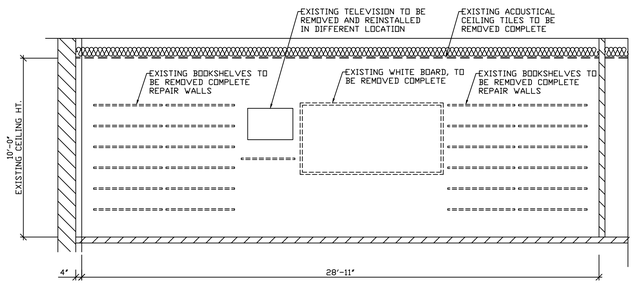

9 4.1 EXISTING LIBRARY WEST WALL ELEVATION
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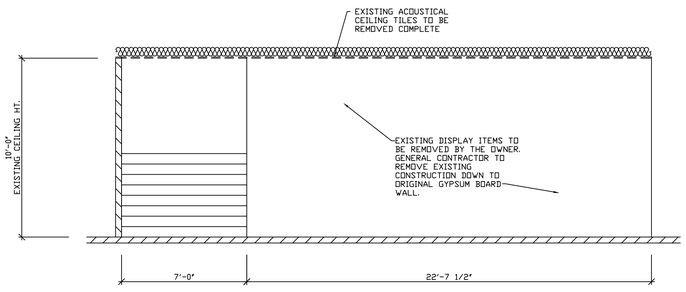

10 4.1 EXISTING FEATURE WALL ELEVATION
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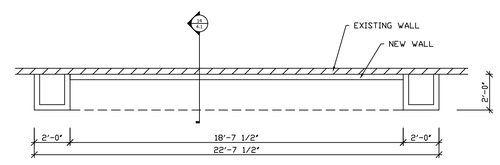

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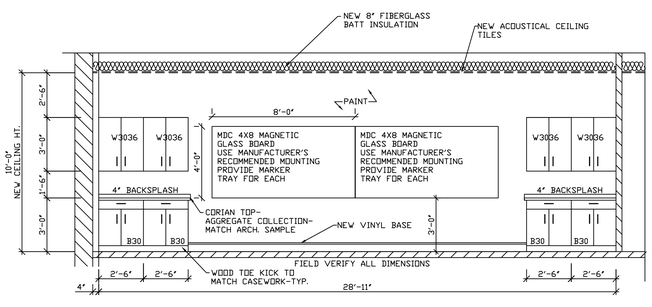

12 4.1 NEW LIBRARY WEST WALL ELEVATION
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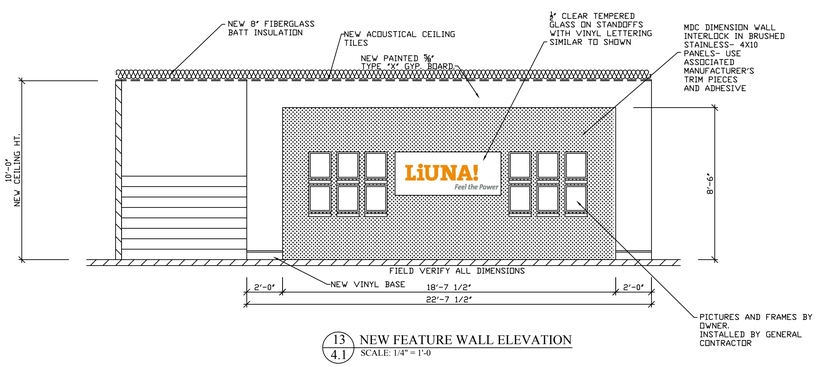

13 4.1 NEW FEATURE WALL ELEVATION
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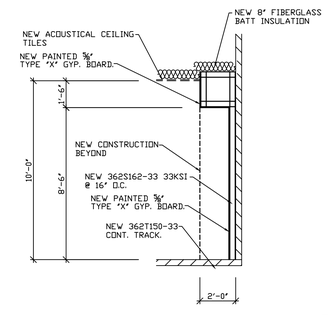

14 4.1 NEW WALL SECTION
SCALE: 1/4" = 1'-0

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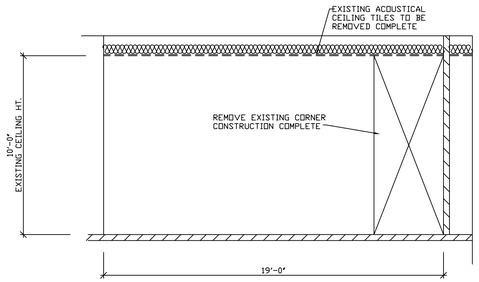

1 / 4.2 EXISTING CLASSROOM NORTH WALL ELEVATION
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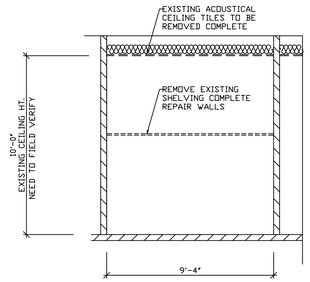

2 / 4.2 EXISTING STORAGE ROOM EAST WALL ELEVATION
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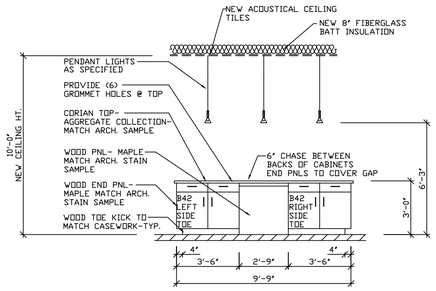

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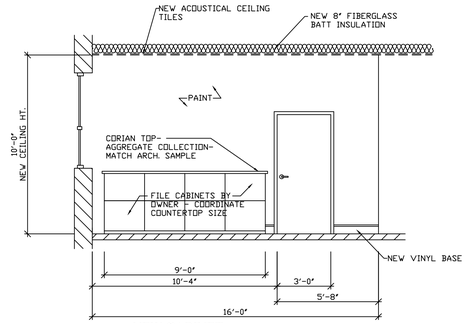

4 / 4.2 NEW CABINET ELEVATION
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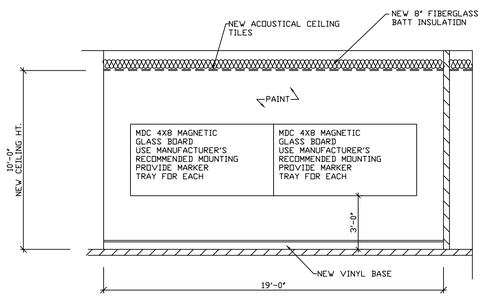

5 / 4.2 NEW CLASSROOM NORTH WALL ELEVATION
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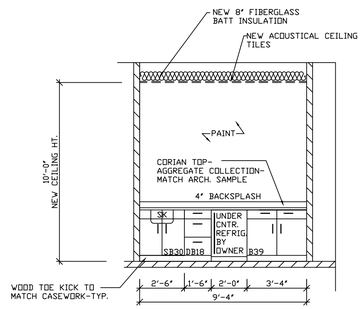
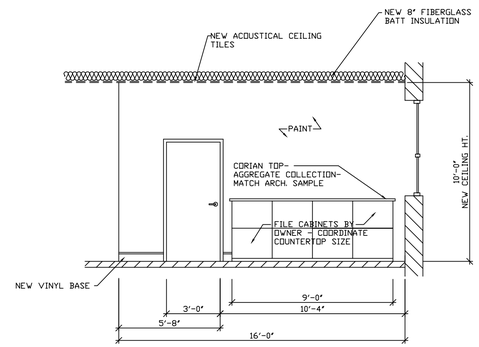
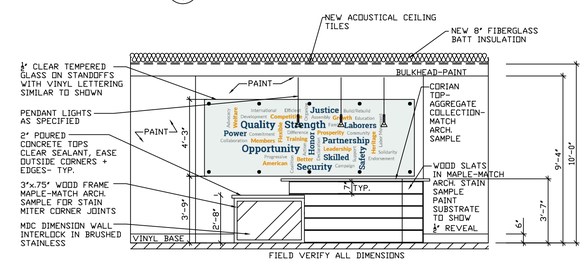


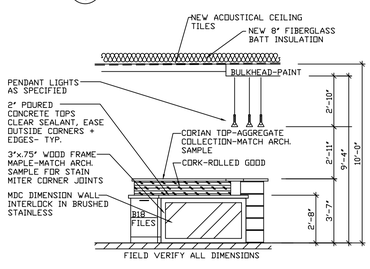
6 / 4.2 NEW COFFEE BAR EAST WALL ELEVATION
SCALE: 1/4" = 1'-0



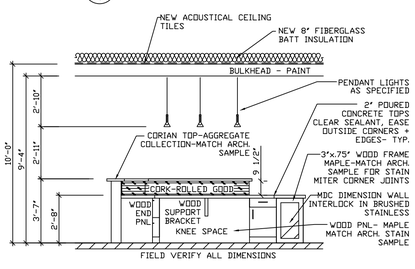
7 / 4.2 NEW CABINET ELEVATION
SCALE: 1/4" = 1'-0



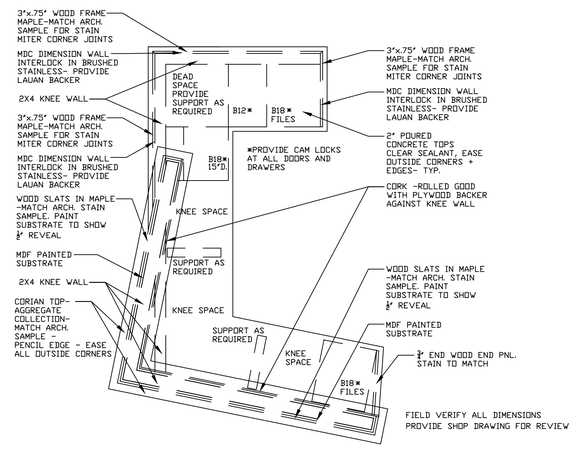
8 / 4.2 NEW RECEPTION FRONT ELEVATION
SCALE: 1/4" = 1'-0



9 / 4.2 NEW RECEPTION LEFT ELEVATION
SCALE: 1/4" = 1'-0



10 / 4.2 NEW RECEPTION RIGHT ELEVATION
SCALE: 1/4" = 1'-0



11 / 4.2 NEW RECEPTION PLAN
SCALE: 1/2" = 1'-0

DATE	REVISIONS	BY

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC.
STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 804
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: AS NOTED
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: Det #F

4.2

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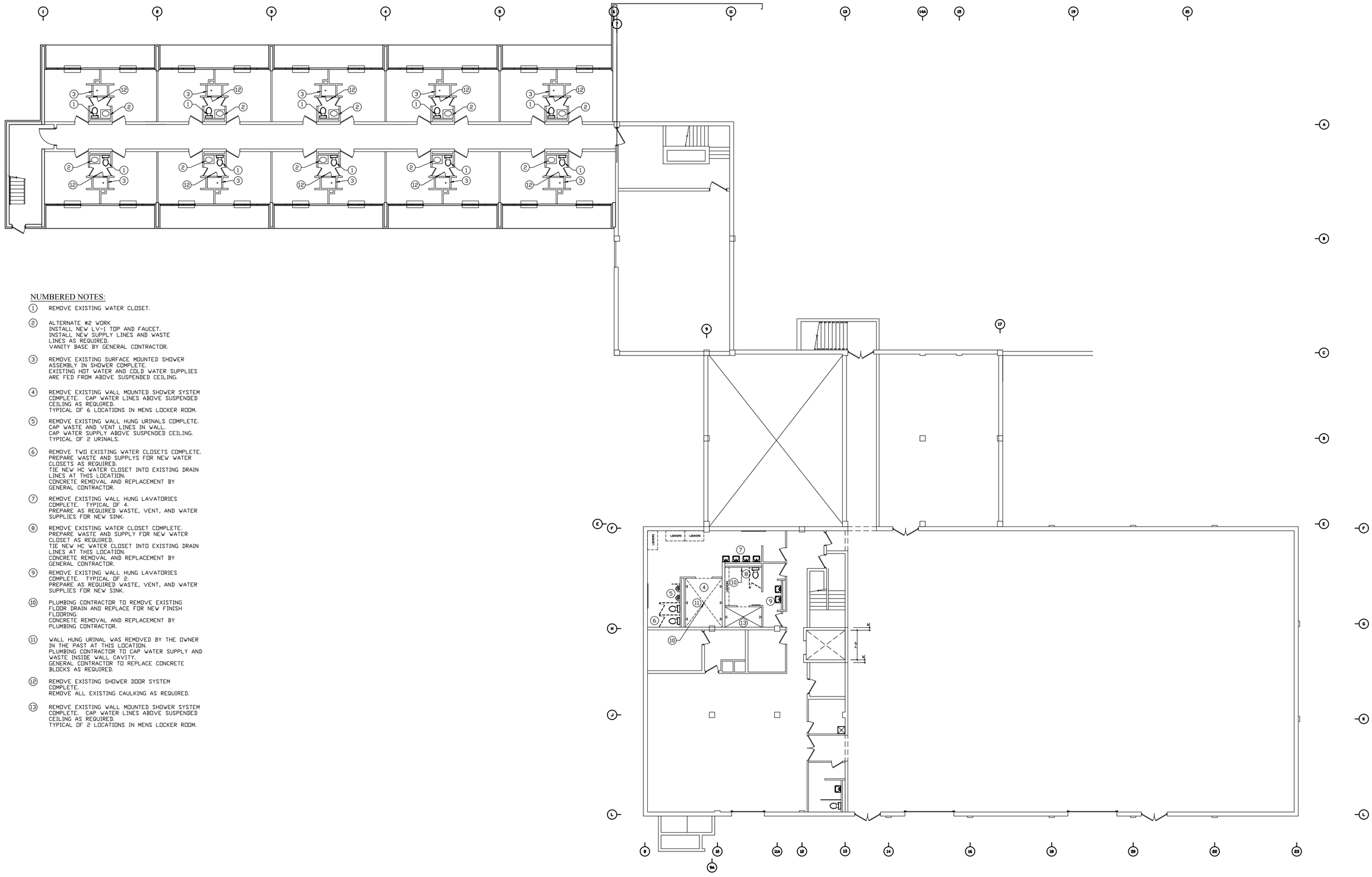

NUMBERED NOTES:

1. REMOVE EXISTING WATER CLOSET.
2. ALTERNATE #2 WORK
   INSTALL NEW LV-1 TOP AND FAUCET.
   INSTALL NEW SUPPLY LINES AND WASTE LINES AS REQUIRED.
   VANITY BASE BY GENERAL CONTRACTOR.
3. REMOVE EXISTING SURFACE MOUNTED SHOWER ASSEMBLY IN SHOWER COMPLETE.
   EXISTING HOT WATER AND COLD WATER SUPPLIES ARE FED FROM ABOVE SUSPENDED CEILING.
4. REMOVE EXISTING WALL MOUNTED SHOWER SYSTEM COMPLETE. CAP WATER LINES ABOVE SUSPENDED CEILING AS REQUIRED.
   TYPICAL OF 6 LOCATIONS IN MENS LOCKER ROOM.
5. REMOVE EXISTING WALL HUNG URINALS COMPLETE.
   CAP WASTE AND VENT LINES IN WALL.
   CAP WATER SUPPLY ABOVE SUSPENDED CEILING.
   TYPICAL OF 2 URINALS.
6. REMOVE TWO EXISTING WATER CLOSETS COMPLETE.
   PREPARE WASTE AND SUPPLYS FOR NEW WATER CLOSETS AS REQUIRED.
   TIE NEW HC WATER CLOSET INTO EXISTING DRAIN LINES AT THIS LOCATION.
   CONCRETE REMOVAL AND REPLACEMENT BY GENERAL CONTRACTOR.
7. REMOVE EXISTING WALL HUNG LAVATORIES COMPLETE. TYPICAL OF 4.
   PREPARE AS REQUIRED WASTE, VENT, AND WATER SUPPLIES FOR NEW SINK.
8. REMOVE EXISTING WATER CLOSET COMPLETE.
   PREPARE WASTE AND SUPPLY FOR NEW WATER CLOSET AS REQUIRED.
   TIE NEW HC WATER CLOSET INTO EXISTING DRAIN LINES AT THIS LOCATION.
   CONCRETE REMOVAL AND REPLACEMENT BY GENERAL CONTRACTOR.
9. REMOVE EXISTING WALL HUNG LAVATORIES COMPLETE. TYPICAL OF 2.
   PREPARE AS REQUIRED WASTE, VENT, AND WATER SUPPLIES FOR NEW SINK.
10. PLUMBING CONTRACTOR TO REMOVE EXISTING FLOOR DRAIN AND REPLACE FOR NEW FINISH FLOORING.
    CONCRETE REMOVAL AND REPLACEMENT BY PLUMBING CONTRACTOR.
11. WALL HUNG URINAL WAS REMOVED BY THE OWNER IN THE PAST AT THIS LOCATION.
    PLUMBING CONTRACTOR TO CAP WATER SUPPLY AND WASTE INSIDE WALL CAVITY.
    GENERAL CONTRACTOR TO REPLACE CONCRETE BLOCKS AS REQUIRED.
12. REMOVE EXISTING SHOWER DOOR SYSTEM COMPLETE.
    REMOVE ALL EXISTING CAULKING AS REQUIRED.
13. REMOVE EXISTING WALL MOUNTED SHOWER SYSTEM COMPLETE. CAP WATER LINES ABOVE SUSPENDED CEILING AS REQUIRED.
    TYPICAL OF 2 LOCATIONS IN MENS LOCKER ROOM.

GENERAL MEP NOTE:
PLUMBING, MECHANICAL, AND ELECTRICAL CONTRACTORS TO ENSURE COORDINATION OF EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH STATE, COUNTY, CITY BUILDING REGULATIONS AND CODES AS WELL AS INDUSTRY STANDARD PRACTICE. THESE REQUIREMENTS ARE CONSIDERED PART OF THE PLANS AND SPECIFICATIONS AND SHALL PREVAIL SHOULD THEY DIFFER FROM THE PLANS AND SPECIFICATIONS, PRIOR TO BID SUBMISSION, THE CONTRACTOR SHOULD DIRECT THE ENGINEER'S ATTENTION TO ANY DISCREPANCY. SHOULD THE PRIME CONTRACTOR NOT SO NOTIFY THE ENGINEER, THE CONTRACTORS SHALL FULLY COMPLY WITHOUT CLAIM FOR EXTRA COSTS. REFER TO DRAWINGS FOR GOVERNING BUILDING CODES.

EXISTING PLUMBING
LOWER LEVEL FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:
1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
REGISTERED
NO. 19900108
STATE OF INDIANA
PROFESSIONAL ENGINEER

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

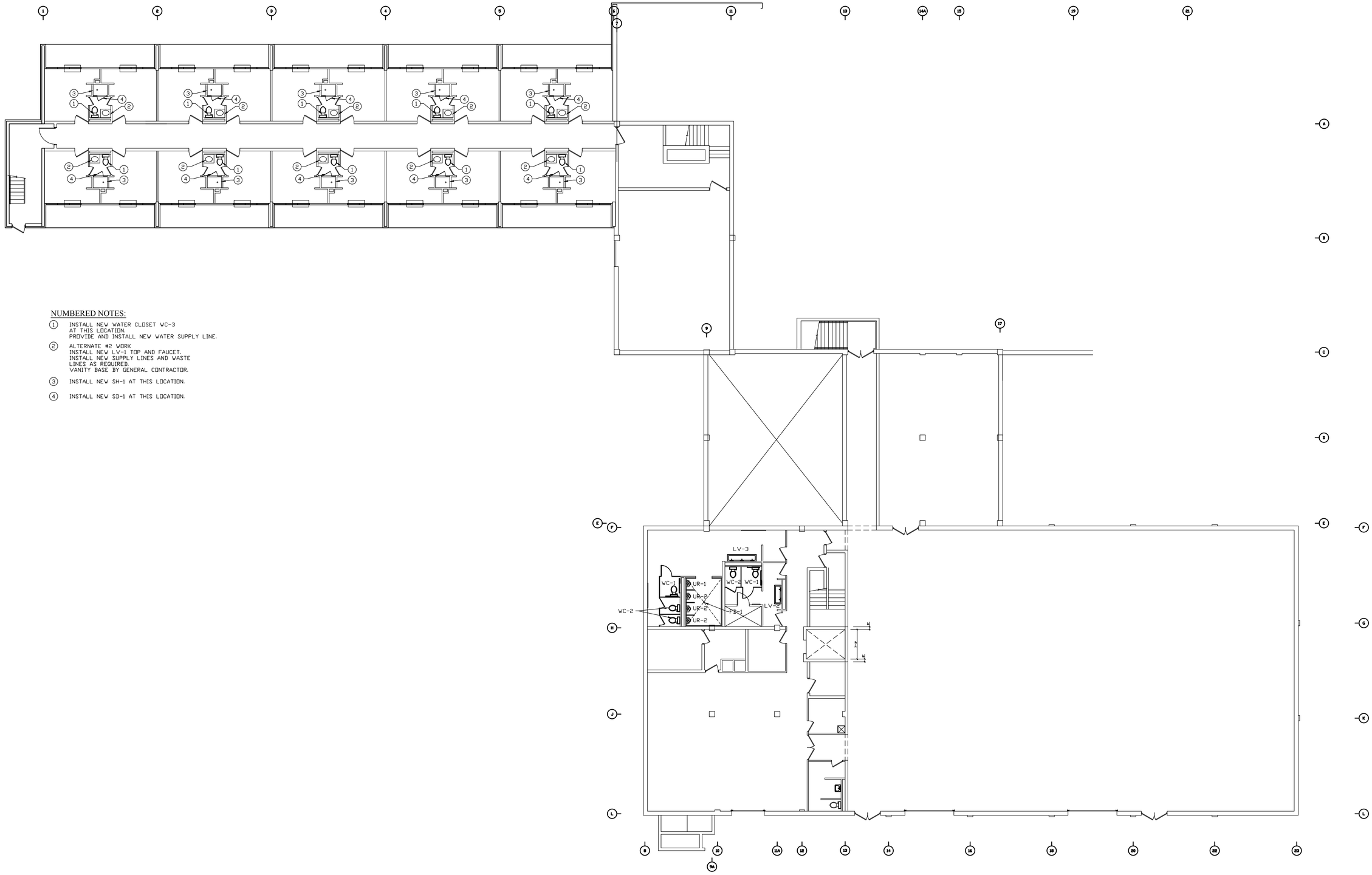
BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC.
STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 804
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: LL MEP #F

P1.0



NUMBERED NOTES:

1. INSTALL NEW WATER CLOSET WC-3 AT THIS LOCATION. PROVIDE AND INSTALL NEW WATER SUPPLY LINE.
2. ALTERNATE #2 WORK INSTALL NEW LV-1 TOP AND FAUCET. INSTALL NEW SUPPLY LINES AND WASTE LINES AS REQUIRED. VANITY BASE BY GENERAL CONTRACTOR.
3. INSTALL NEW SH-1 AT THIS LOCATION.
4. INSTALL NEW SD-1 AT THIS LOCATION.

REMODELED PLUMBING
LOWER LEVEL FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

GENERAL MEP NOTE:
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DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
STATE OF INDIANA
NO. 19900108
PROFESSIONAL ENGINEER

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
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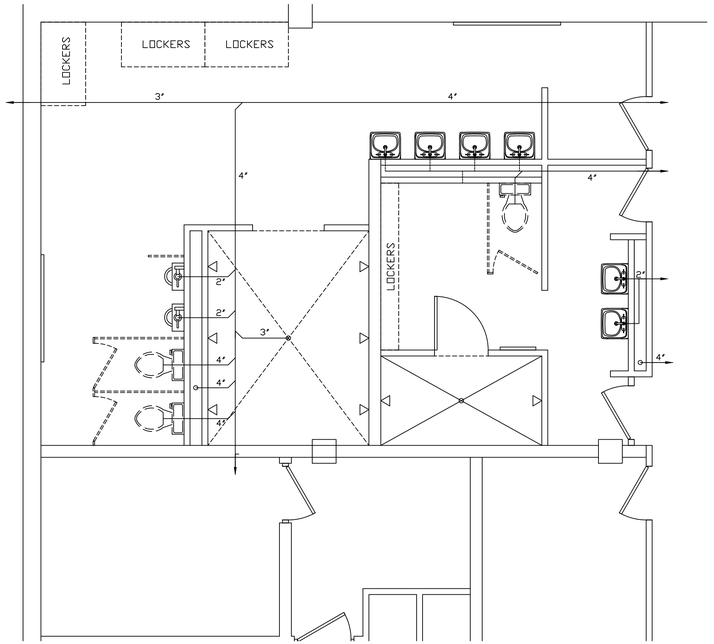
PHONE: (812) 232-6510
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 804
TERRE HAUTE, INDIANA 47807

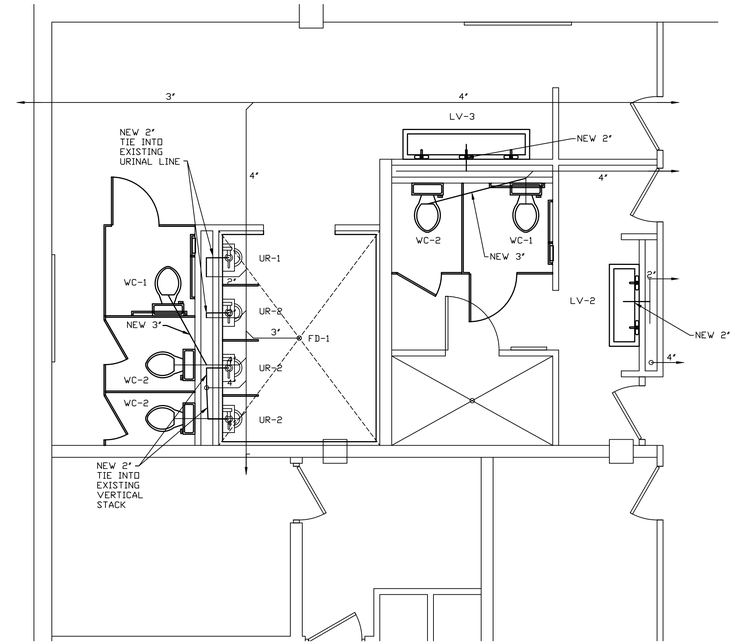
SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: LL MEP #F

P1.1



EXISTING SANITARY RESTROOM PLUMBING
LOWER LEVEL FLOOR PLAN
SCALE: 1/4" = 1'-0"



REMODELED RESTROOM PLUMBING
LOWER LEVEL FLOOR PLAN
SCALE: 1/4" = 1'-0"

DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
REGISTERED
NO. 19900108
STATE OF INDIANA
PROFESSIONAL ENGINEER

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN

SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 304
TERRE HAUTE, INDIANA 47807

PHONE: (812) 232-6510

SCALE: 1/4" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: LL MEP #F

P1.2

GENERAL MEP NOTE:
PLUMBING, MECHANICAL, AND ELECTRICAL CONTRACTORS TO ENSURE COORDINATION OF EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH STATE, COUNTY, CITY BUILDING REGULATIONS AND CODES AS WELL AS INDUSTRY STANDARD PRACTICE. THESE REQUIREMENTS ARE CONSIDERED PART OF THE PLANS AND SPECIFICATIONS AND SHALL PREVAIL SHOULD THEY DIFFER FROM THE PLANS AND SPECIFICATIONS, PRIOR TO BID SUBMISSION, THE CONTRACTOR SHOULD DIRECT THE ENGINEER'S ATTENTION TO ANY DISCREPANCY. SHOULD THE PRIME CONTRACTOR NOT SO NOTIFY THE ENGINEER, THE CONTRACTORS SHALL FULLY COMPLY WITHOUT CLAIM FOR EXTRA COSTS. REFER TO DRAWINGS FOR GOVERNING BUILDING CODES.

PLAN NOTES:
1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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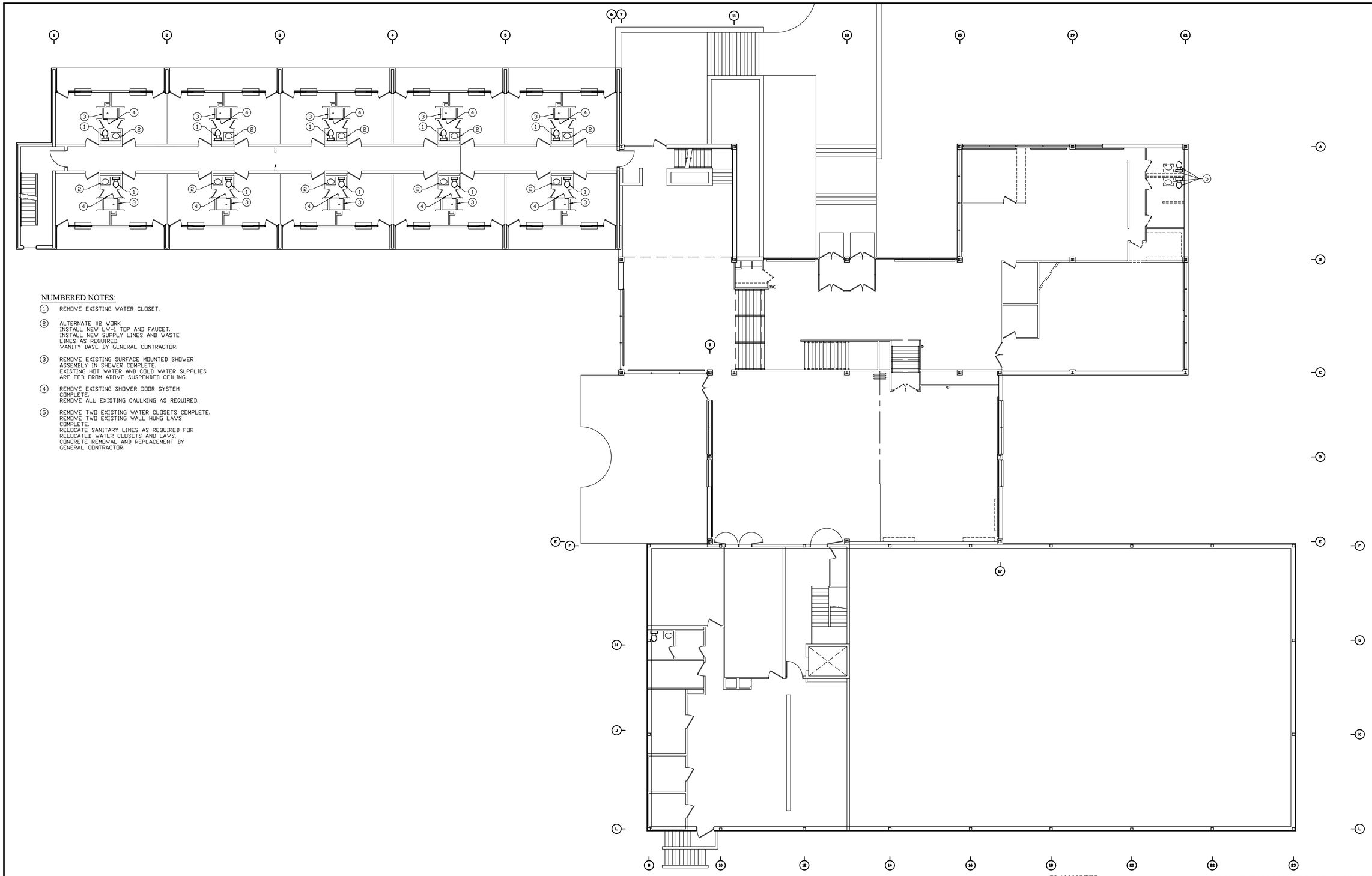

NUMBERED NOTES:

1. REMOVE EXISTING WATER CLOSET.
2. ALTERNATE #2 WORK
   INSTALL NEW LV-1 TOP AND FAUCET.
   INSTALL NEW SUPPLY LINES AND WASTE LINES AS REQUIRED.
   VANITY BASE BY GENERAL CONTRACTOR.
3. REMOVE EXISTING SURFACE MOUNTED SHOWER ASSEMBLY IN SHOWER COMPLETE.
   EXISTING HOT WATER AND COLD WATER SUPPLIES ARE FED FROM ABOVE SUSPENDED CEILING.
4. REMOVE EXISTING SHOWER DOOR SYSTEM COMPLETE.
   REMOVE ALL EXISTING CAULKING AS REQUIRED.
5. REMOVE TWO EXISTING WATER CLOSETS COMPLETE.
   REMOVE TWO EXISTING WALL HUNG LAVS COMPLETE.
   RELOCATE SANITARY LINES AS REQUIRED FOR RELOCATED WATER CLOSETS AND LAVS.
   CONCRETE REMOVAL AND REPLACEMENT BY GENERAL CONTRACTOR.

EXISTING PLUMBING
FIRST FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

GENERAL MEP NOTE:
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DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
REGISTERED PROFESSIONAL ENGINEER
LICENSE NO. 19900108
STATE OF INDIANA

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

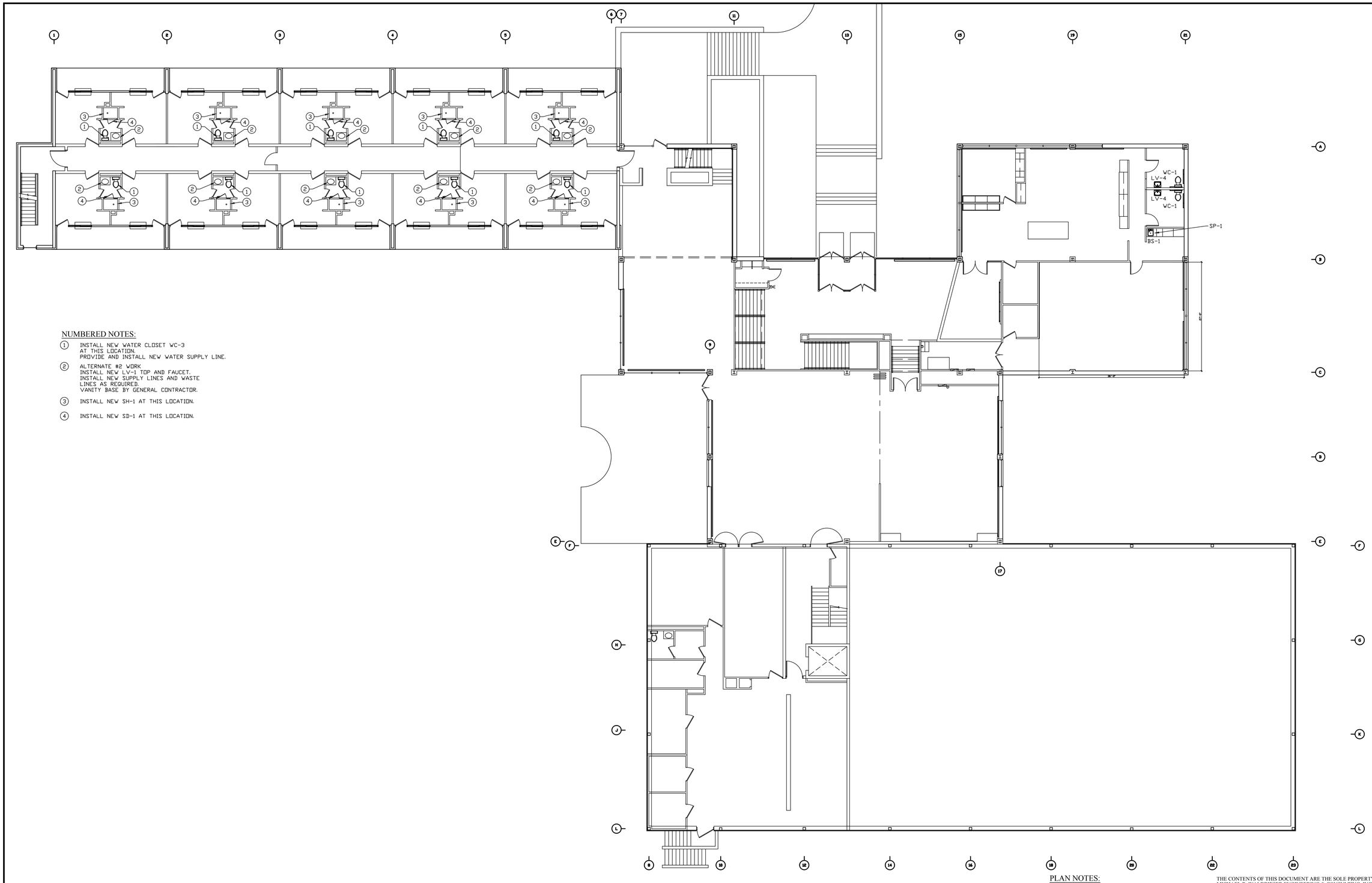
BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
STRUCTURAL, PLUMBING, MECHANICAL, & ELECTRICAL DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 304
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: 1st MEP #F

P2.0



NUMBERED NOTES:

1. INSTALL NEW WATER CLOSET WC-3 AT THIS LOCATION. PROVIDE AND INSTALL NEW WATER SUPPLY LINE.
2. ALTERNATE #2 WORK INSTALL NEW LV-1 TOP AND FAUCET. INSTALL NEW SUPPLY LINES AND WASTE LINES AS REQUIRED. VANITY BASE BY GENERAL CONTRACTOR.
3. INSTALL NEW SH-1 AT THIS LOCATION.
4. INSTALL NEW SD-1 AT THIS LOCATION.

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

REMODELED PLUMBING
FIRST FLOOR PLAN
SCALE: 3/32" = 1'-0"

GENERAL MEP NOTE:

PLUMBING, MECHANICAL, AND ELECTRICAL CONTRACTORS TO ENSURE COORDINATION OF EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH STATE, COUNTY, CITY BUILDING REGULATIONS AND CODES AS WELL AS INDUSTRY STANDARD PRACTICE. THESE REQUIREMENTS ARE CONSIDERED PART OF THE PLANS AND SPECIFICATIONS AND SHALL PREVAIL SHOULD THEY DIFFER FROM THE PLANS AND SPECIFICATIONS. PRIOR TO BID SUBMISSION, THE CONTRACTOR SHOULD DIRECT THE ENGINEER'S ATTENTION TO ANY DISCREPANCY. SHOULD THE PRIME CONTRACTOR NOT SO NOTIFY THE ENGINEER, THE CONTRACTORS SHALL FULLY COMPLY WITHOUT CLAIM FOR EXTRA COSTS. REFER TO DRAWINGS FOR GOVERNING BUILDING CODES.

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DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
REGISTERED
NO. 19900108
STATE OF INDIANA
PROFESSIONAL ENGINEER

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

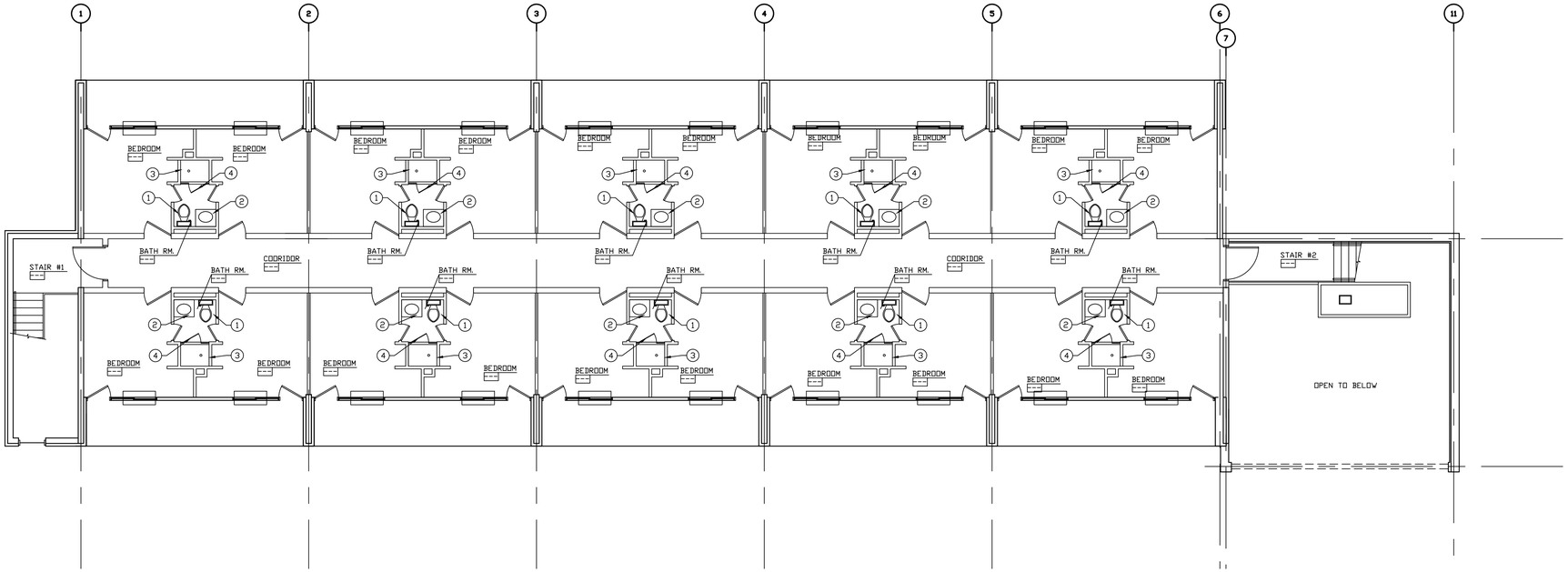
BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC.
STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 804
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: 1st MEP #F

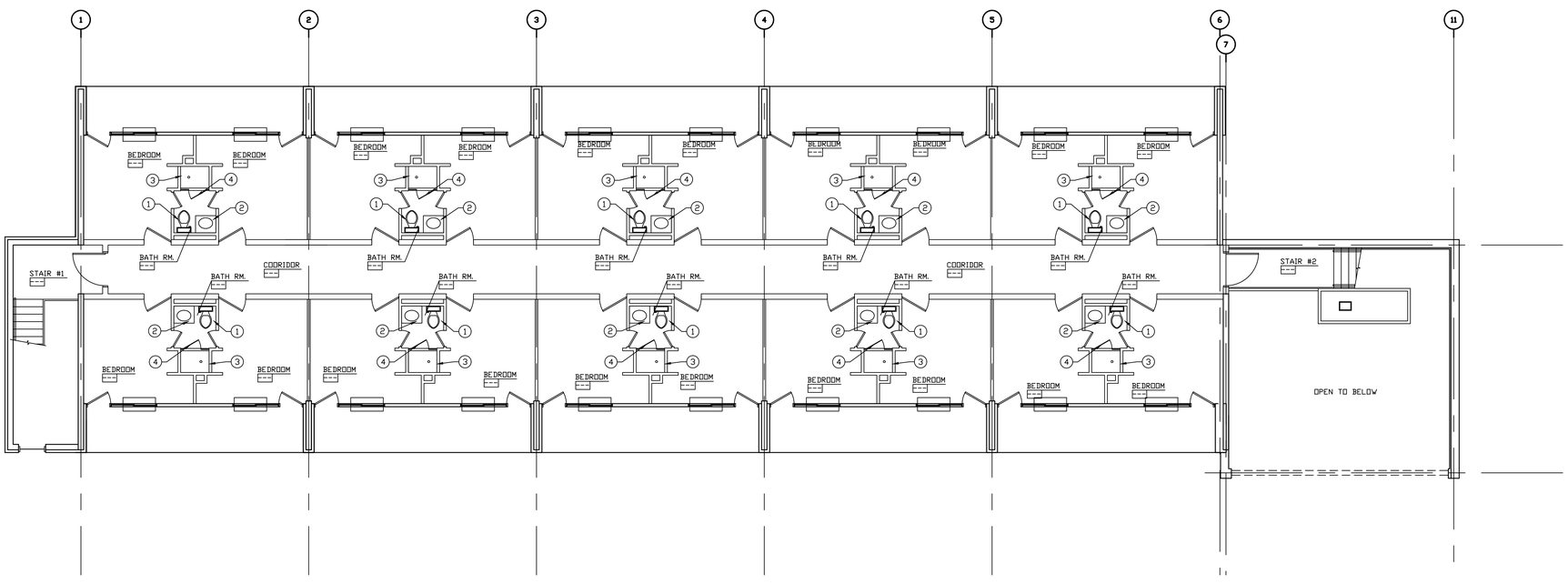
P2.1



EXISTING PLUMBING
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

NUMBERED NOTES:

1. REMOVE EXISTING WATER CLOSET.
2. ALTERNATE #2 WORK
   INSTALL NEW LV-1 TOP AND FAUCET.
   INSTALL NEW SUPPLY LINES AND WASTE LINES AS REQUIRED.
   VANITY BASE BY GENERAL CONTRACTOR.
3. REMOVE EXISTING SURFACE MOUNTED SHOWER ASSEMBLY IN SHOWER COMPLETE.
   EXISTING HOT WATER AND COLD WATER SUPPLIES ARE FED FROM ABOVE SUSPENDED CEILING.
4. REMOVE EXISTING SHOWER DOOR SYSTEM COMPLETE.
   REMOVE ALL EXISTING CAULKING AS REQUIRED.



REMODELED PLUMBING
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

NUMBERED NOTES:

1. INSTALL NEW WATER CLOSET WC-3
   AT THIS LOCATION.
   PROVIDE AND INSTALL NEW WATER SUPPLY LINE.
2. ALTERNATE #2 WORK
   INSTALL NEW LV-1 TOP AND FAUCET.
   INSTALL NEW SUPPLY LINES AND WASTE LINES AS REQUIRED.
   VANITY BASE BY GENERAL CONTRACTOR.
3. INSTALL NEW SH-1 AT THIS LOCATION.
4. INSTALL NEW SD-1 AT THIS LOCATION.

GENERAL MEP NOTE:
PLUMBING, MECHANICAL, AND ELECTRICAL CONTRACTORS TO ENSURE COORDINATION OF EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH STATE, COUNTY, CITY BUILDING REGULATIONS AND CODES AS WELL AS INDUSTRY STANDARD PRACTICE. THESE REQUIREMENTS ARE CONSIDERED PART OF THE PLANS AND SPECIFICATIONS AND SHALL PREVAIL SHOULD THEY DIFFER FROM THE PLANS AND SPECIFICATIONS. PRIOR TO BID SUBMISSION, THE CONTRACTOR SHOULD DIRECT THE ENGINEER'S ATTENTION TO ANY DISCREPANCY. SHOULD THE PRIME CONTRACTOR NOT SO NOTIFY THE ENGINEER, THE CONTRACTORS SHALL FULLY COMPLY WITHOUT CLAIM FOR EXTRA COSTS. REFER TO DRAWINGS FOR GOVERNING BUILDING CODES.

PLAN NOTES:
1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
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BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN
SYCAMORE BUILDING
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PHONE: (812) 232-6510

SCALE: 1/8" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: 2nd MEP #F

P3.0

PLUMBING FIXTURE SCHEDULE

SYMBOL	LOCATION	MODEL	DESCRIPTION	FAUCET / FLUSH VALVE	FITTINGS AND TRIM		PLUMBING FIXTURE PIPE SIZE				REMARKS
					FITTINGS MODEL	FITTING AND DESCRIPTION	WASTE	VENT	DCW	DHW	
WC-1	RESTROOM	AMERICAN STANDARD #215AA.004	WATER CLOSET: CADET PRO RIGHT HEIGHT ELONGATED, 1.6 GPF, WHITE IN COLOR, ADA HANDICAPPED	N/A - TANK TYPE TOILET	AMERICAN STANDARD #5901.110	WHITE HEAVY DUTY ELONGATED SEAT WITH EVERCLEAN SURFACE	3"	2"	1/2"	N/A	WITH ANGLE STOP WITH SUPPLY LINE WITH FLANGE ON SUPPLY
WC-2	RESTROOM	AMERICAN STANDARD #215CA.004	WATER CLOSET: CADET PRO ELONGATED FRONT, 1.6 GPF, WHITE IN COLOR	N/A - TANK TYPE TOILET	AMERICAN STANDARD #5901.110	WHITE HEAVY DUTY ELONGATED SEAT WITH EVERCLEAN SURFACE	3"	2"	1/2"	N/A	WITH ANGLE STOP WITH SUPPLY LINE WITH FLANGE ON SUPPLY
WC-3	RESTROOM	AMERICAN STANDARD #215DA.004	WATER CLOSET: CADET PRO ROUND FRONT, 1.6 GPF, WHITE IN COLOR	N/A - TANK TYPE TOILET	BEMIS #2055CT	WHITE HEAVY DUTY SEAT WITH DURAGUARD SEAT PROTECTION	3"	2"	1/2"	N/A	WITH ANGLE STOP WITH SUPPLY LINE WITH FLANGE ON SUPPLY
LV-1	RESTROOM	SWAN SWANSTONE ELLIPSE 31"W X 19"D W/ SIDE SPLASH AT WALL	SINGLE BOWL VANITY TOP	AMERICAN STANDARD COLONY PRO #7075.054 CHROME FAUCET METAL LEVER HANDLE METAL POP-UP DRAIN	--	----	1 1/4"	EXISTING	1/2"	1/2"	WITH ANGLE STOPS WITH SUPPLY LINES WITH FLANGE ON SUPPLYS & WASTE WITH 1 1/4" CHROME PLATED P-TRAP VERIFY AND MATCH EXISTING TRAP SIZE
LV-2	RESTROOM	BRADLEY EXPRESS LAVATORY SYSTEM #ELX-2	SEAMLESS ONE PIECE LAVATORY WITH COVED BACKSPLASH. WALL HUNG. 55" LONG BY 21 5/8" DEEP. NO SOAP DISPENSERS. COLOR SELECTED BY OWNER.	TWO (2) BRADLEY AERADA 1200 SERIES CS FAUCET #S53-315 WITH #153-444 PLUG IN ADAPTER WITH #S45-2760 THERMOSTATIC MIXING VALVE WITH #S45-2731 FLEXIBLE HOSE & STOP PRE-PAK WITH #269-1839 DRAIN ASSEMBLY	-	-	1 1/2"	1 1/2"	1/2"	1/2"	RIM SET AT HANDICAPPED HEIGHT - I.E. RIM @ +33 1/2" A.F.F. WITH ANGLE STOPS WITH SUPPLY LINES WITH FLANGE ON SUPPLYS & WASTE
LV-3	RESTROOM	BRADLEY EXPRESS LAVATORY SYSTEM #ELX-3	SEAMLESS ONE PIECE LAVATORY WITH COVED BACKSPLASH. WALL HUNG. 85" LONG BY 21 5/8" DEEP. NO SOAP DISPENSERS. COLOR SELECTED BY OWNER.	TWO (3) BRADLEY AERADA 1200 SERIES CS FAUCET #S53-315 WITH #153-444 PLUG IN ADAPTER WITH #S45-2760 THERMOSTATIC MIXING VALVE WITH #S45-2731 FLEXIBLE HOSE & STOP PRE-PAK WITH #269-1839 DRAIN ASSEMBLY	-	-	1 1/2"	1 1/2"	1/2"	1/2"	RIM SET AT HANDICAPPED HEIGHT - I.E. RIM @ +33 1/2" A.F.F. WITH ANGLE STOPS WITH SUPPLY LINES WITH FLANGE ON SUPPLYS & WASTE
LV-4	RESTROOM	AMERICAN STANDARD #0355.012	LAVATORY: LUCERNE WHITE WALL-HUNG	AMERICAN STANDARD COLONY PRO #7075.054 CHROME FAUCET METAL LEVER HANDLE LESS DRAIN, LESS POP-UP HOLE AND ROD	TRUEBRO LAV GUARD2	ADA COMPLIANT UNDERSINK WATER SUPPLY AND WASTE COVERS	1 1/4"	1 1/2"	1/2"	1/2"	RIM SET AT HANDICAPPED HEIGHT - I.E. RIM @ +34" A.F.F. WITH ANGLE STOPS WITH SUPPLY LINES WITH FLANGE ON SUPPLYS & WASTE WITH 1 1/4" CHROME PLATED P-TRAP WITH GRID DRAIN
UR-1	MENS RESTROOM	AMERICAN STANDARD #6561.017	URINAL: TRIMBROOK, 1.0 GPF, WHITE IN COLOR, 2 WALL HANGERS	SLOAN REGAL #186-1.0 XL FLUSHOMETER VALVE, 1.0 GPF, 3/4" IPS ANGLE STOP	-	-	2"	1 1/2"	3/4"	N/A	RIM SET AT HANDICAPPED HEIGHT - I.E. RIM @ +17" A.F.F.
UR-2	MENS RESTROOM	AMERICAN STANDARD #6561.017	URINAL: TRIMBROOK, 1.0 GPF, WHITE IN COLOR, 2 WALL HANGERS	SLOAN REGAL #186-1.0 XL FLUSHOMETER VALVE, 1.0 GPF, 3/4" IPS ANGLE STOP	-	-	2"	1 1/2"	3/4"	N/A	MOUNT AT STANDARD MOUNTING HEIGHT.
BS-1	VARIES	ELKAY MFG. #BLRAD15176SPD	STAINLESS STEEL SINK: SIZE = 15" x 17 1/2" DEPTH 18 GAUGE TYPE 304 STAINLESS STEEL WITH LUSTROUS HIGHLIGHTED SATIN FINISH WITH PREFECT DRAIN BOWL DEPTH = 6 1/2"	AMERICAN STANDARD #2475.500 COLONY SOFT TWO-HANDLE CENTERSET POLISHED CHROME FAUCET WITH GOOSENECK SPOUT.	-	-	1 1/2"	1 1/2"	1/2"	1/2"	WITH ANGLE STOPS WITH SUPPLY LINES WITH FLANGE ON SUPPLYS & WASTE WITH 1 1/2" CHROME PLATED P-TRAP WITH BASKET STRAINER
SH-1	RESTROOM	EXISTING SHOWER	----	SYMMONS HYDAPIPE SURFACE MOUNTED SHOWER SYSTEM MODEL #1-801S	-	-	-	-	1/2"	1/2"	VERIFY LENGTH OF SYSTEM AND MATCH AS REQUIRED. MAKE CONNECTIONS TO EXISTING WATER SUPPLIES AS REQUIRED.
SD-1	RESTROOM	BASCO DELUXE FRAMED SHOWER DOOR SYSTEM.	BASCO DELUXE FRAMED 3/16" GLASS SWING DOOR WITH INLINE PANEL SHOWER DOOR. SILK GLASS CHROMED FRAME	-	-	-	-	-	-	-	24" SWINGING SHOWER DOOR. FIELD VERIFY TOTAL SYSTEM WIDTH AND HEIGHT.
CO-1	VARIES	PVC	CLEANOUT: SCH 40 PVC								SAME SIZE AS DRAIN LINE
FD-1	RESTROOM	ZURN #EZ1-PV3	ADJUSTABLE FLOOR DRAIN: PVC BODY WITH 5" DIA. ADJUSTABLE NICKEL HEAD AND HEEL-PROOF GRATE	-	-	-	3"	-	-	-	-

PLUMBING FIXTURE NOTES:

1. ALL ANGLE SUPPLIES SHALL BE BRASS CRAFT G2 SERIES 1/4 TURN CHROME PLATED BRASS ANGLE STOPS.
2. ALL SUPPLY LINE SHALL BE BRASS CRAFT CHROME PLATED BRASS RISERS WITH CONNECTIONS AS REQUIRED.
3. ALL SUPPLY AND WASTE LINES SHALL HAVE ONE PIECE CHROME PLATED FLANGES AT WALL LINES.
4. ALL P-TRAPS SHALL BE 17 GAUGE CHROME PLATED WITH CLEANOUTS IN BOTTOM OF TRAP.
5. ALL FLOOR DRAINS SHALL HAVE 2" SURESEAL INLINE FLOOR DRAIN TRAP SEALER.

PLUMBING PIPING SPECIFICATIONS:

1. SANITARY PIPING SHALL BE SDR35 PIPE MEETING ASTM-D3034.
2. WASTE AND VENT PIPING SHALL BE SCH 40 PVC.
3. WATER PIPING AS FOLLOWS:
   A. WATER PIPING IN THE BUILDING SHALL BE TYPE L HARD COPPER WITH LEAD FREE SOLDERED JOINTS AND INSULATED WITH 1/2" THICK ARMAFLEX.

SANITARY PUMP SCHEDULE

SYMBOL	LOCATION	MODEL	DESCRIPTION	PUMP SIZE	GPM	TDH	REMARKS
SP-1	AS SHOWN	LIBERTY PUMPS MODEL #404 PACKAGE SYSTEM	AUTOMATIC DRAIN PUMP PACKAGE SYSTEM SHORT PROFILE AND LOCATED UNDER SINK IN CABINET	1/3 HP	--	10'-0	1 1/2" INLET, DISCHARGE, AND VENT INSTALL WITH CHECK VALVE AS DIRECTED BY THE MFG.

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SECTION 15200 - PLUMBING SPECIFICATIONS

PART 1: GENERAL The General Conditions and other Contract Documents are hereby made a part of this Section to the same extent as if written out in full.

1.1 MANUFACTURER'S DESIGNATION
When manufacturers catalog numbers are given, they are for assistance to the bidder. In case of discrepancies in catalog numbers, the Contractor shall contact the Engineer of Record.
1.2 SUPERVISION
The Plumbing Contractor shall at all times throughout the construction period, maintain proper supervision of his employees, make orderly disposition of his materials, maintain high-class workmanship, systematically remove debris, cooperate fully with other contractors and subcontractors and avoid the creation of hazards to others on the job.
1.3 GUARANTEE
The plumbing Contractor shall make good any defect due to faulty material or workmanship; he shall correct any malfunction not due to misuse or abuse after date of acceptance, which develops in his work, for a period of one (1) year from date of acceptance. The date of final payment shall be recognized as the date of acceptance.
1.4 EQUIPMENT MARKING AND PAINTING
All marred or scratched equipment shall be touched up with same paint as that damaged.
Steel and iron shall have grease, rust scale and dirt removed and left in a paintable condition. Painting will be done by General Contractor.
1.5 RULES, REGULATIONS AND PERMITS
All materials, workmanship, and installation shall conform to all local and state codes and federal O.S.H.A. standards. This Plumbing Contractor shall, at his own expense, furnish all necessary permits and fees required by the Local Ordinances and by the State of Indiana for construction and inspection of work installed by him. Refer to drawings for specific enforceable Building Codes. This includes all sanitary sewer tap fees and domestic water tap fees charged by local utilites.
1.6 TEMPORAY SERVICES
The Plumbing Contractor shall furnish and install a temporary water service. A water outlet shall be provided at a location convenient for general use, and an outlet shall be provided on each floor of the building. The General Contractor will pay for the water used.
1.7 SYSTEM SCHEDULE
Systems shall include, but not be limited to:
Water Service and Supply System - connect as shown on the drawings
Sanitary Sewer Piping - connect as shown on the drawings
Waste and Vent Piping
Plumbing Fixtures - water closets, lavatories, faucets, floor drains, sinks, etc.

PART 2: MATERIALS AND METHODS
2.1 PRODUCTS
See drawings for model numbers and specifications.
2.2 PLUMBING PLAN
The Plumbing Contractor shall use the accompanying drawings as his working drawings except that deviations may be made only where interferences may arise. Such deviations shall be called to the attention of the Engineer and prior approval obtained before making any installation. In no case shall codes, rules or regulations hereinbefore referred to be violated.
2.3 DRAWINGS
The Plumbing Contractor shall furnish "Shop Drawings" for all equipment supplied on this project. He shall obtain, ahead of job progress, all manufacturer's drawings, wiring diagrams, rough-in location drawings, operating instructions, etc., for each item of equipment furnished and set by him and connected to by other contractors. He shall see that the other contractors who connect to his equipment have the necessary drawings for rough-in and wiring diagrams ahead of their job progress. The Plumbing Contractor, shall also maintain a complete set of General, structural, electrical and mechanical drawings during the progress of the job. He shall also maintain a clean set of mechanical drawings for record purposes, upon which he shall mark, legibly, all deviations from the Contract Documents. This set shall be turned over to the Engineer at the termination of the job for an "As Built" set.
2.4 PIPE AND FITTINGS
All fittings shall be cast brass or wrought copper fittings.
All joints shall be made in accordance with instructions of the manufacturer of the fittings.
Proper adapters and unions shall be used at connections to steel or iron pipe or equipment.
Fittings for gas piping inside the building shall be black, malleable, threaded.
2.5 WATER SUPPLY SYSTEM
System Description. The Plumbing Contractor shall install a complete system of cold water, hot water and hot water return as shown on the drawings. All fixtures shall have appropriate services connected. The complete system shall be pitched for drainage to low points and drain valves installed at each low point. All piping shall be run as high as possible.
Check valves shall be installed where necessary to prevent hot water from backing up into cold water.
All branches shall be valved at take-off from mains. Each branch to riser shall be provided with stop and waste.
All vertical pipe shall be supported where it passes through floors with an approved clamping device.
All risers shall be securely fastened to floors and wall studs with any change from vertical supported by brackets or hangers in it's new position.
All piping shall be run true and straight and at right angles or parallel to walls.
In all cases the exposed pipe must be run straight and plumb and in no case to be farther from walls and ceilings than is absolutely necessary.
All exposed connections to fixtures shall be chrome plated brass.
Wherever an exposed pipe passes through finished walls or ceilings it shall be provided with a chrome plated solid ring escutcheon. If pipe is covered, escutcheon shall fit over insulation.
Connections to fixtures shall be made with unions so that a fixture may be easily removed and reset without making new joints.
Provide and install easily accessible stops for all fixtures.
All pipe shall be thoroughly cleaned of grease, oil and foreign material before installation.
All cuts and threads shall be thoroughly cleaned and reamed to remove shoulders and burrs before installation.
Wherever piping materials change from copper to a dissimilar metal, a dielectric union shall be installed.
2.6 SANITARY SEWER PIPING
System Description. The Plumbing Contractor shall install a complete and continuous system of soil, waste and vent piping as shown on the drawings.
All openings for connections must be closed with screw plugs or other means until used, all hand holes must be closed at once, and the pipe must be kept clean. Any earth or foreign matter that gets into the pipes must be removed by the contractor.
Vent pipes shall extend at least 12" above the roof and extensions through the roof shall not be smaller that 3" in accordance with state code. Vents in outside walls are to be offset at least 12" inside of the wall before extending through the roof. Vents shall be offset in attic as indicated on the drawings before going through the roof to provide a minimum separation of 10'-0 from outside air intakes of furnaces.
All horizontal waste and vent lines, branches, drains, etc., shall pitch at 1/8" per foot unless otherwise noted on the drawings. Waste lines shall pitch downward in the direction of flow. Vent lines shall pitch upward in the direction of venting.
All junctions and changes in direction shall be made by the appropriate use of 45 degree Wyes, half Wyes, long sweep quarter bends, sixth eighth, sixteenth bends, combination Wye and eight bends, except that single and double Sanitary Tees may be used on vertical stacks and short quarter bends may be used where the change in direction of flow is from horizontal to vertical. Tees and crosses may be used in vent piping only.
All vertical stacks (waste and vent) shall be supported wherever they pass through floors with an approved clamping device.
All piping shall be run true and straight and at right angles or parallel to walls.
Cleanouts shall be full size of the pipe up to 4" in diameter and not less than 4" for larger size pipe.
In all cases the exposed pipe must be run straight and plumb and in no case to be farther from walls and ceilings than is absolutely necessary.
Each and every fixture included in the contract must have a separate trap, except where noted otherwise on the drawings.
Floor level cleanouts shall be set with cleanout rim and plug face absolutely flush with the finished floor or they shall be chiseled out and reset at this Contractors expense.
Floor and Area Drains. The Plumbing Contractor shall furnish and install floor and area drains complete with traps and cleanouts as specified.
2.7 GAS PIPING SYSTEM
System Description. The Plumbing Contractor shall furnish and install a complete system of gas distribution as shown on the drawings. The installation shall be included as a part of this Contract and shall be installed per the Codes. Dielectric unions shall be installed between the gas meter the piping in the building.
Piping inside the building shall be run true and straight and shall be pitched to dirt pockets where required. The Plumbing Contractor shall make final connections to all equipment requiring gas service as shown on the drawings.
All piping inside the building shall have screwed joints except that all gas piping 2 1/2" or larger shall have welded joints. Pipe shall be reamed to remove shoulders and burrs and all threads and the pipe cleaned before erection.
2.8 TESTS
General. The Plumbing Contractor shall furnish all labor and material necessary to perform the following tests. Tests may be performed in sections of the Systems as they are installed so as not to hold up construction. The Engineer shall be notified whenever such tests are to be made and shall witness all tests.
Water Supply System. The Water Supply System shall be filled with water and subjected to a pressure of at least 150 PSIG per section under test. Pressure shall be obtained by use of an air compressor. Pressure shall hold for a period of one (1) hour without any additional pressure being applied.
Soil and Waste System. The Soil, Waste and Vent System shall be subjected to a hydrostatic test by plugging or closing all holes in portion of the system under test and filling with water to a point twelve (12) feet higher than the highest pipe under test. Water level shall hold for a minimum of 24 hours without change in the water level with no additional water being applied. The Engineer may elect to shorten the test period due to freezing weather conditions. It shall be his prerogative.
Gas Piping System. The Gas Piping system shall be subjected to an air pressure test of at least 150 PSIG and shall hold pressure for a period of 24 hours without any additional pressure being applied. Pressure shall be obtained from an air compressor. Each joint shall be soap tested to test for leaks.

PART 3: EXECUTION

The contractor must lay out the various pipe lines, as shown on the drawings, and carefully go over the work in the building and report to the Michael R. Waldbieser Engineering & Consulting, Inc. any obstacles that may be in the way to prevent proper run of pipes or interfere with the layout of the system in any way.
All pipes included in the plumbing system must be run in such a manner as to not interfere with HVAC ductwork or electrical outlets.
All work on this project must be complete of all parts and supplies and hook-ups to make a complete operating job when the project is finished.
All equipment shall be provided and installed in strict accordance with the manufacturer's installation instructions.
Compaction of soil shall be as stated in the General Written Specifications for all trenching.
All trenching required for installation of products specified in this section of work shall be done by the Plumbing Contractor. Backfilling after trenching shall be done in accordance with the General Written Specifications by the Plumbing Contractor. After backfilling, the Plumbing Contractor shall finish grade the area disturbed by the trenching to match that of the site prior to trenching.

END OF SECTION

GOVERNING CODES

2014 INDIANA BUILDING CODE
(IBC 2012 EDITION - WITH INDIANA AMENDMENTS)
2014 INDIANA FIRE CODE
(IFC 2012 EDITION - WITH INDIANA AMENDMENTS)
2012 INDIANA PLUMBING CODE
(IPC 2006 EDITION - WITH INDIANA AMENDMENTS)
2014 INDIANA MECHANICAL CODE
(IMC 2012 EDITION - WITH INDIANA AMENDMENTS)
2010 INDIANA ENERGY CONSERVATION CODE
(ANSI/ASHRAE 90.1 - 2007 EDITION - WITH INDIANA AMENDMENTS)
2009 INDIANA ELECTRICAL CODE
(NEC 2008 EDITION - WITH INDIANA AMENDMENTS)

GENERAL NOTES:

1. ALL CONTRACTORS AND SUB-CONTRACTORS SHALL REVIEW ALL DRAWINGS FOR WORK PERFORMED BY THAT CONTRACTOR.
2. ALL WALLS INDICATED ON THE ARCHITECTURAL PLANS AS FIRE RATED SHALL BE PROPERLY FIRE CAULKED FOR ALL PENETRATIONS.

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BUILDING RENOVATION

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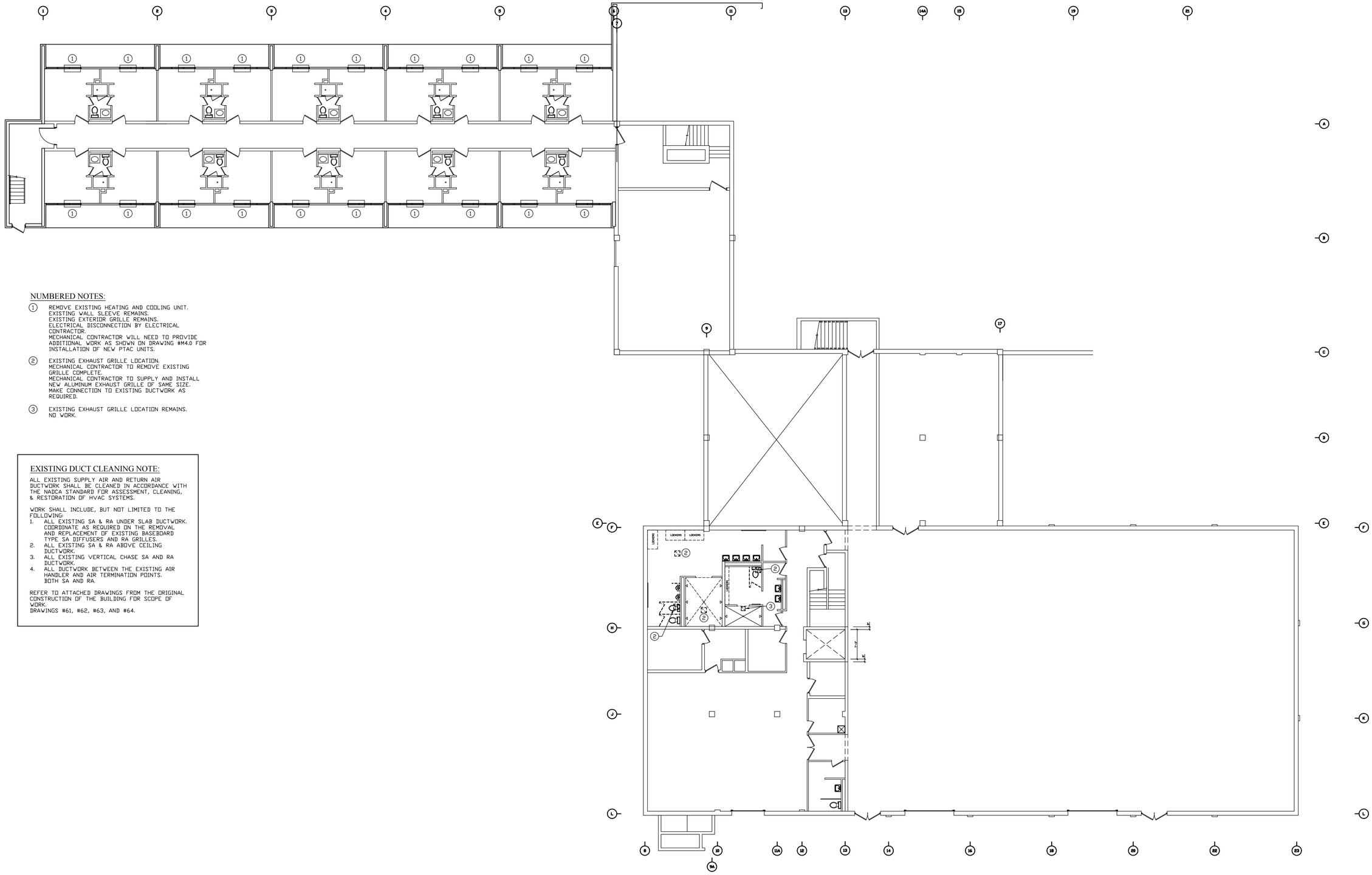
SCALE: NONE
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: MEP #F

P4.0



NUMBERED NOTES:

1. REMOVE EXISTING HEATING AND COOLING UNIT. EXISTING WALL SLEEVE REMAINS. EXISTING EXTERIOR GRILLE REMAINS. ELECTRICAL DISCONNECTION BY ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR WILL NEED TO PROVIDE ADDITIONAL WORK AS SHOWN ON DRAWING #M4.0 FOR INSTALLATION OF NEW PTAC UNITS.
2. EXISTING EXHAUST GRILLE LOCATION. MECHANICAL CONTRACTOR TO REMOVE EXISTING GRILLE COMPLETE. MECHANICAL CONTRACTOR TO SUPPLY AND INSTALL NEW ALUMINUM EXHAUST GRILLE OF SAME SIZE. MAKE CONNECTION TO EXISTING DUCTWORK AS REQUIRED.
3. EXISTING EXHAUST GRILLE LOCATION REMAINS. NO WORK.

EXISTING DUCT CLEANING NOTE:

ALL EXISTING SUPPLY AIR AND RETURN AIR DUCTWORK SHALL BE CLEANED IN ACCORDANCE WITH THE NADCA STANDARD FOR ASSESSMENT, CLEANING, & RESTORATION OF HVAC SYSTEMS.

WORK SHALL INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:

1. ALL EXISTING SA & RA UNDER SLAB DUCTWORK. COORDINATE AS REQUIRED ON THE REMOVAL AND REPLACEMENT OF EXISTING BASEBOARD TYPE SA DIFFUSERS AND RA GRILLES.
2. ALL EXISTING SA & RA ABOVE CEILING DUCTWORK.
3. ALL EXISTING VERTICAL CHASE SA AND RA DUCTWORK.
4. ALL DUCTWORK BETWEEN THE EXISTING AIR HANDLER AND AIR TERMINATION POINTS. BOTH SA AND RA.

REFER TO ATTACHED DRAWINGS FROM THE ORIGINAL CONSTRUCTION OF THE BUILDING FOR SCOPE OF WORK.
DRAWINGS #61, #62, #63, AND #64.

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EXISTING MECHANICAL
LOWER LEVEL FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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DATE	REVISIONS	BY

MICHAEL R. WALDBIESER
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NO. 19900108
STATE OF INDIANA

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

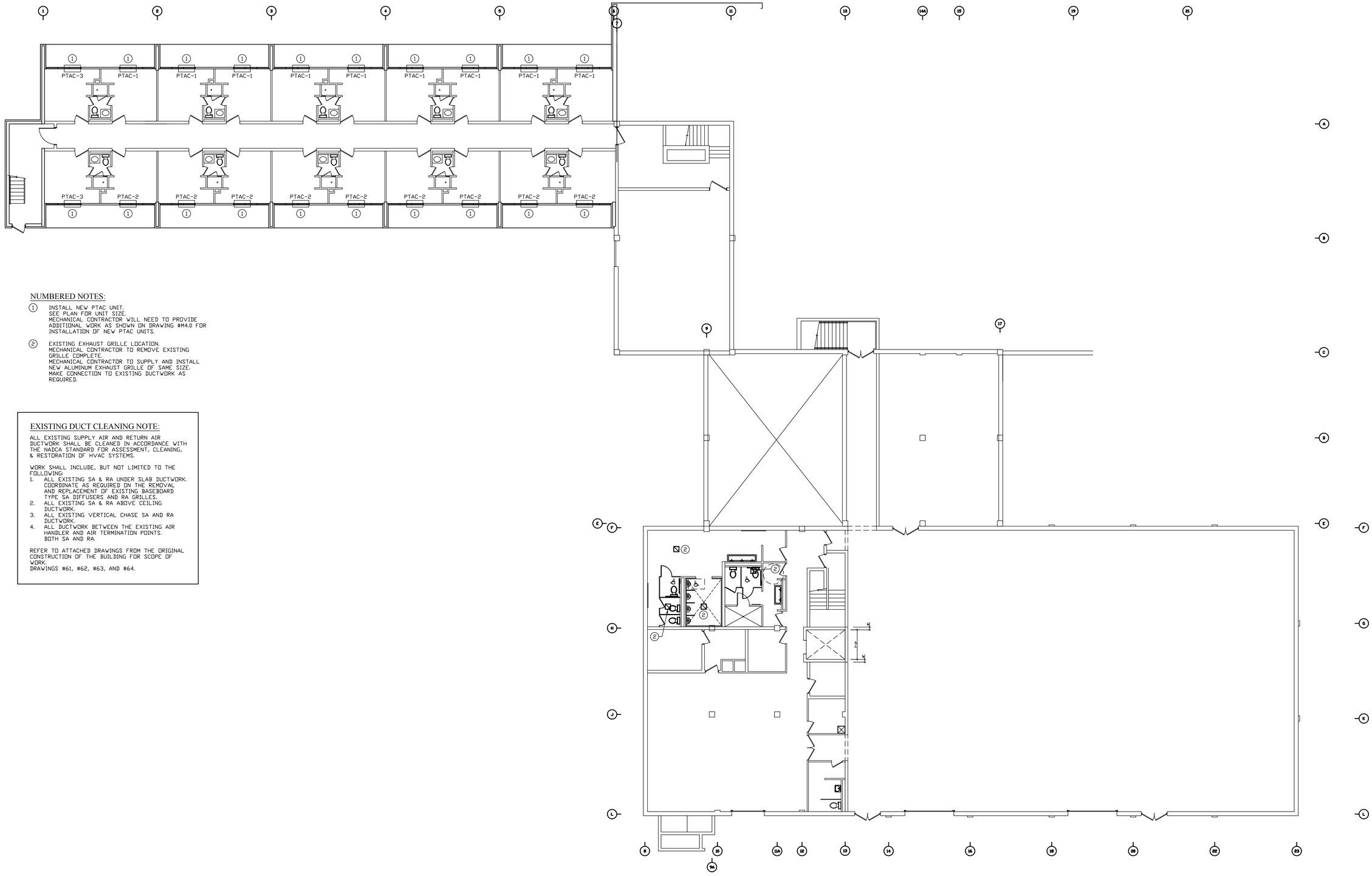
BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 804
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: LL MEP #F

M1.0



NUMBERED NOTES:

1. INSTALL NEW PTAC UNIT. SEE PLAN FOR UNIT SIZE. MECHANICAL CONTRACTOR WILL NEED TO PROVIDE ADDITIONAL WORK AS SHOWN ON DRAWING #M4.0 FOR INSTALLATION OF NEW PTAC UNITS.

2. EXISTING EXHAUST GRILLE LOCATION. MECHANICAL CONTRACTOR TO REMOVE EXISTING GRILLE COMPLETE. MECHANICAL CONTRACTOR TO SUPPLY AND INSTALL NEW ALUMINUM EXHAUST GRILLE OF SAME SIZE. MAKE CONNECTION TO EXISTING DUCTWORK AS REQUIRED.

EXISTING DUCT CLEANING NOTE:

ALL EXISTING SUPPLY AIR AND RETURN AIR DUCTWORK SHALL BE CLEANED IN ACCORDANCE WITH THE NADCA STANDARD FOR ASSESSMENT, CLEANING, & RESTORATION OF HVAC SYSTEMS.

WORK SHALL INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:

1. ALL EXISTING SA & RA UNDER SLAB DUCTWORK. COORDINATE AS REQUIRED ON THE REMOVAL AND REPLACEMENT OF EXISTING BASEBOARD TYPE SA DIFFUSERS AND RA GRILLES.
2. ALL EXISTING SA & RA ABOVE CEILING DUCTWORK.
3. ALL EXISTING VERTICAL CHASE SA AND RA DUCTWORK.
4. ALL DUCTWORK BETWEEN THE EXISTING AIR HANDLER AND AIR TERMINATION POINTS. BOTH SA AND RA.

REFER TO ATTACHED DRAWINGS FROM THE ORIGINAL CONSTRUCTION OF THE BUILDING FOR SCOPE OF WORK.
DRAWINGS #61, #62, #63, AND #64.

GENERAL MEP NOTE:

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REMODELED MECHANICAL
LOWER LEVEL FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

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NO. 19900108
STATE OF INDIANA

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439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

BUILDING RENOVATION

MICHAEL R. WALDBIESER
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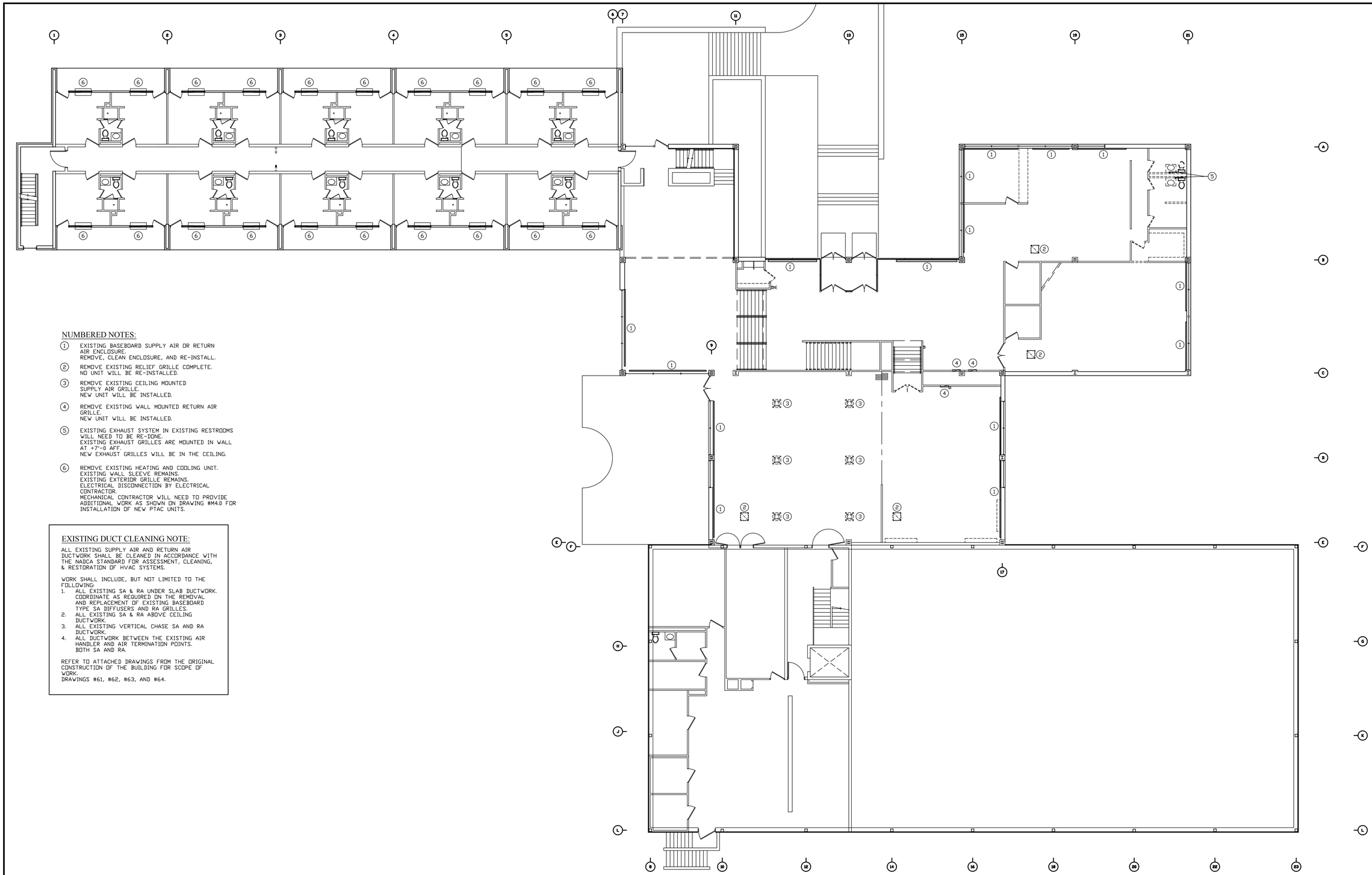
M1.1



NUMBERED NOTES:

1. EXISTING BASEBOARD SUPPLY AIR OR RETURN AIR ENCLOSURE.
   REMOVE, CLEAN ENCLOSURE, AND RE-INSTALL.
2. REMOVE EXISTING RELIEF GRILLE COMPLETE.
   NO UNIT WILL BE RE-INSTALLED.
3. REMOVE EXISTING CEILING MOUNTED SUPPLY AIR GRILLE.
   NEW UNIT WILL BE INSTALLED.
4. REMOVE EXISTING WALL MOUNTED RETURN AIR GRILLE.
   NEW UNIT WILL BE INSTALLED.
5. EXISTING EXHAUST SYSTEM IN EXISTING RESTROOMS WILL NEED TO BE RE-DONE.
   EXISTING EXHAUST GRILLES ARE MOUNTED IN WALL AT +7'-0 AFF.
   NEW EXHAUST GRILLES WILL BE IN THE CEILING.
6. REMOVE EXISTING HEATING AND COOLING UNIT.
   EXISTING WALL SLEEVE REMAINS.
   EXISTING EXTERIOR GRILLE REMAINS.
   ELECTRICAL DISCONNECTION BY ELECTRICAL CONTRACTOR.
   MECHANICAL CONTRACTOR WILL NEED TO PROVIDE ADDITIONAL WORK AS SHOWN ON DRAWING #M4.0 FOR INSTALLATION OF NEW PTAC UNITS.

EXISTING DUCT CLEANING NOTE:

ALL EXISTING SUPPLY AIR AND RETURN AIR DUCTWORK SHALL BE CLEANED IN ACCORDANCE WITH THE NADCA STANDARD FOR ASSESSMENT, CLEANING, & RESTORATION OF HVAC SYSTEMS.

WORK SHALL INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:

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4. ALL DUCTWORK BETWEEN THE EXISTING AIR HANDLER AND AIR TERMINATION POINTS. BOTH SA AND RA.

REFER TO ATTACHED DRAWINGS FROM THE ORIGINAL CONSTRUCTION OF THE BUILDING FOR SCOPE OF WORK.
DRAWINGS #61, #62, #63, AND #64.

GENERAL MEP NOTE:

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EXISTING MECHANICAL FIRST FLOOR PLAN

SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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MICHAEL R. WALDBIESER
REGISTERED PROFESSIONAL ENGINEER
NO. 19900108
STATE OF INDIANA

INDIANA LABORERS' TRAINING TRUST FUND
439 PATTON HILL ROAD
BEDFORD, INDIANA 47421

BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
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SYCAMORE BUILDING
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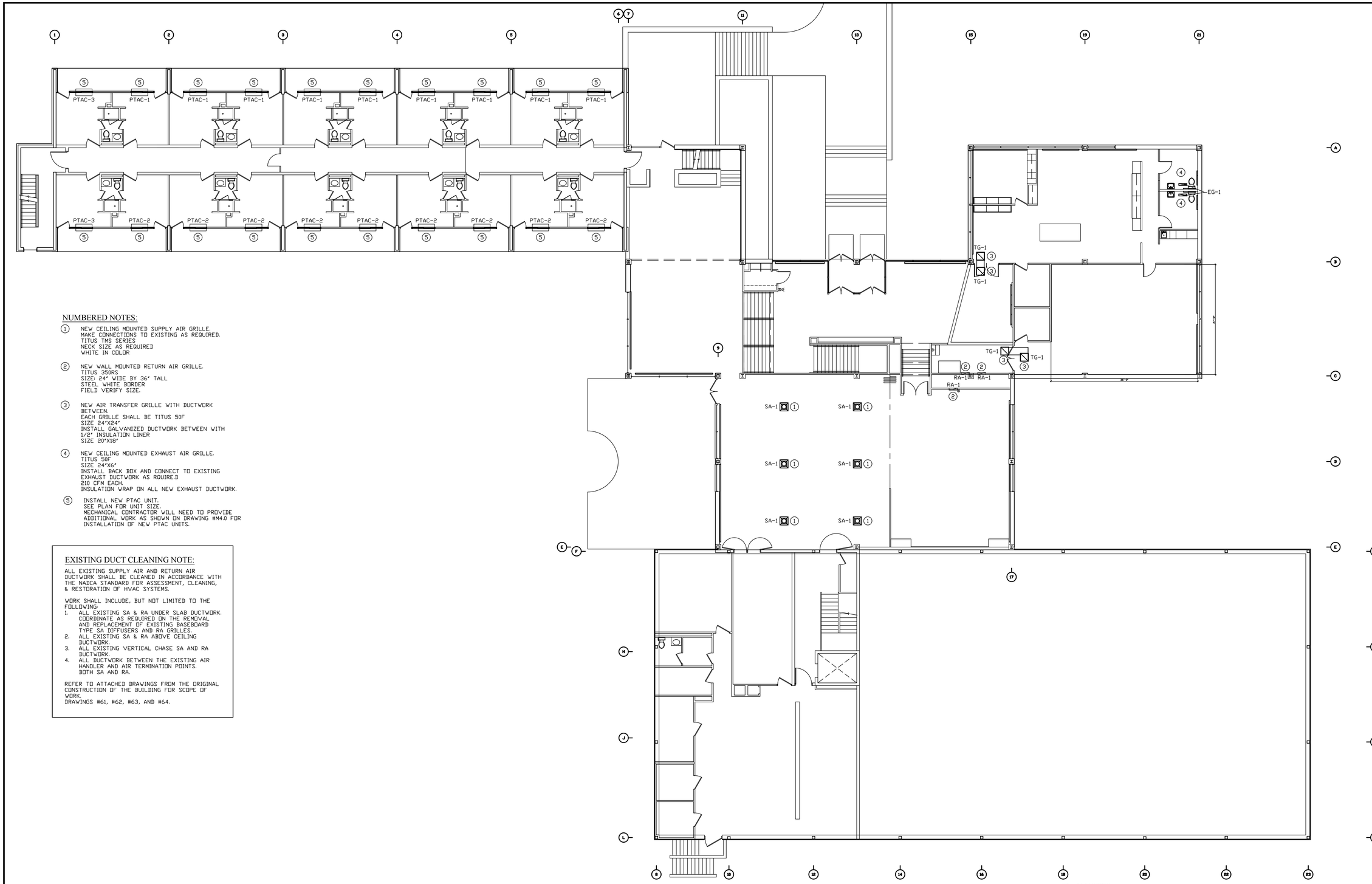
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: 1st MEP #F

M2.0



NUMBERED NOTES:

1. NEW CEILING MOUNTED SUPPLY AIR GRILLE.
   MAKE CONNECTIONS TO EXISTING AS REQUIRED.
   TITUS TMS SERIES
   NECK SIZE AS REQUIRED
   WHITE IN COLOR

2. NEW WALL MOUNTED RETURN AIR GRILLE.
   TITUS 350RS
   SIZE: 24' WIDE BY 36' TALL
   STEEL WHITE BORDER
   FIELD VERIFY SIZE.

3. NEW AIR TRANSFER GRILLE WITH DUCTWORK BETWEEN.
   EACH GRILLE SHALL BE TITUS 50F
   SIZE 24"X24"
   INSTALL GALVANIZED DUCTWORK BETWEEN WITH 1/2" INSULATION LINER
   SIZE 20"X18"

4. NEW CEILING MOUNTED EXHAUST AIR GRILLE.
   TITUS 50F
   SIZE 24"X6"
   INSTALL BACK BOX AND CONNECT TO EXISTING EXHAUST DUCTWORK AS RQUIRE.D
   210 CFM EACH.
   INSULATION WRAP ON ALL NEW EXHAUST DUCTWORK.

(S) INSTALL NEW PTAC UNIT.
   SEE PLAN FOR UNIT SIZE.
   MECHANICAL CONTRACTOR WILL NEED TO PROVIDE ADDITIONAL WORK AS SHOWN ON DRAWING #M4.0 FOR INSTALLATION OF NEW PTAC UNITS.

EXISTING DUCT CLEANING NOTE:

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DRAWINGS #61, #62, #63, AND #64.

GENERAL MEP NOTE:

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REMODELED MECHANICAL FIRST FLOOR PLAN

SCALE: 3/32" = 1'-0"

PLAN NOTES:

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MICHAEL R. WALDBIESER
REGISTERED
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19900108
PROFESSIONAL ENGINEER

INDIANA LABORERS' TRAINING TRUST FUND
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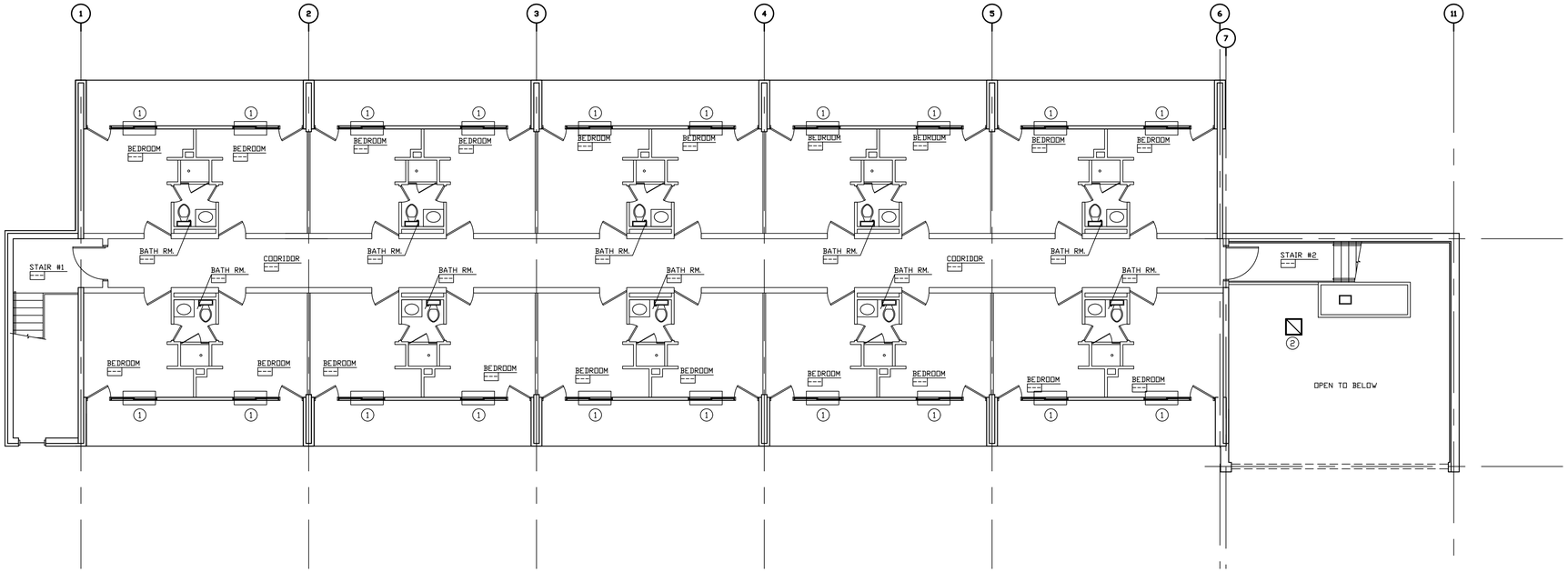
BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 304
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: 1st MEP #F

M2.1

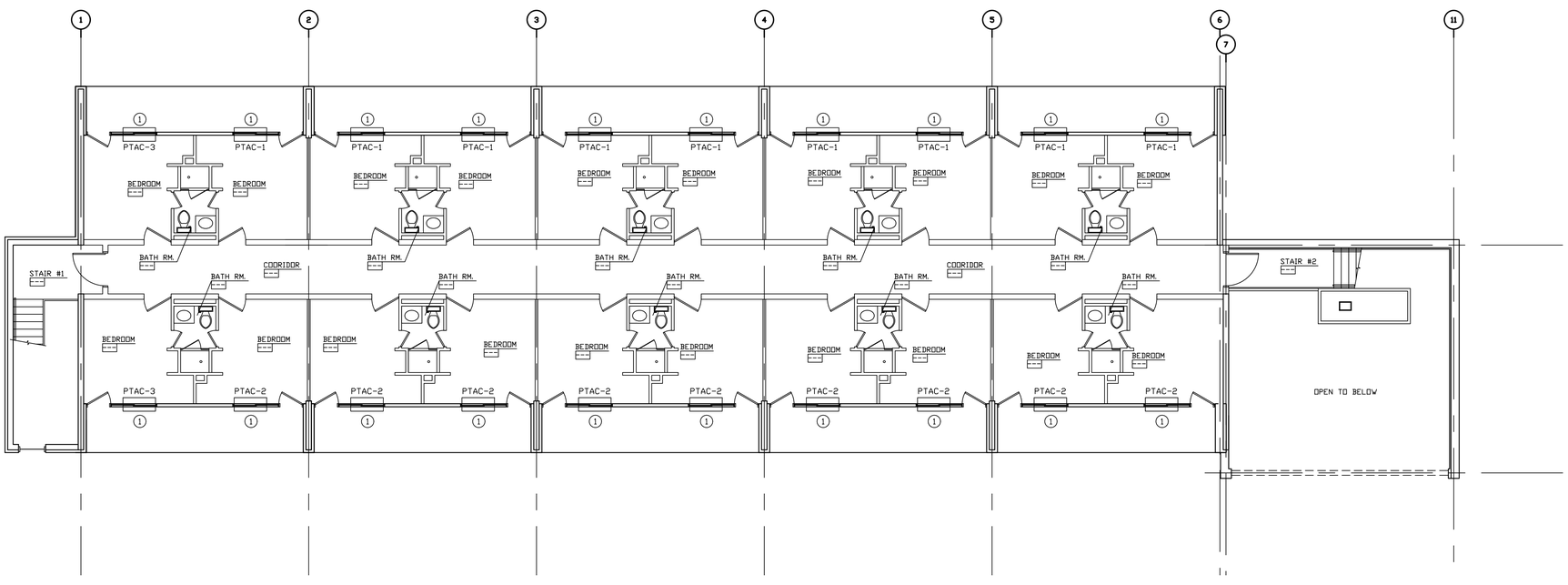


EXISTING MECHANICAL
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

NUMBERED NOTES:

1. REMOVE EXISTING HEATING AND COOLING UNIT. EXISTING WALL SLEEVE REMAINS. EXISTING EXTERIOR GRILLE REMAINS. ELECTRICAL DISCONNECTION BY ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR WILL NEED TO PROVIDE ADDITIONAL WORK AS SHOWN ON DRAWING #M4.0 FOR INSTALLATION OF NEW PTAC UNITS.

2. REMOVE EXISTING RELIEF GRILLE COMPLETE. NO UNIT WILL BE RE-INSTALLED.



REMODELED MECHANICAL
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

NUMBERED NOTES:

1. INSTALL NEW PTAC UNIT. SEE PLAN FOR UNIT SIZE. MECHANICAL CONTRACTOR WILL NEED TO PROVIDE ADDITIONAL WORK AS SHOWN ON DRAWING #M4.0 FOR INSTALLATION OF NEW PTAC UNITS.

GENERAL MEP NOTE:
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MECHANICAL
ELECTRICAL
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DATE: 05-01-19
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APPROVED BY: MRW

PROJECT: 18-14
FILE: 2nd MEP #F

M3.0

PTAC SCHEDULE

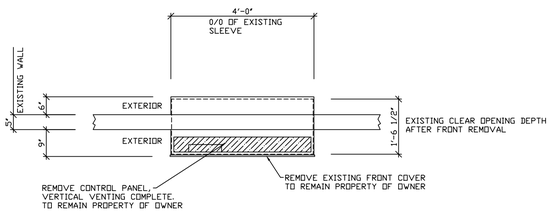
MARK	MFG.	MODEL	COOLING BTUH	HEATING BTUH - REVERSE	HEATING-ELECTRIC KW	FRESH AIR OCCUPIED	EER	VOLTAGE	MCA	MOCP	OPTIONS
PTAC-1	CREE	ETAC2-07HP265VA-A	7,200	6,000	2.45 / 8,300 BTUH	20 CFM	13.0	265 VOLT / 1 PHASE	9.3 AMPS	15 AMPS	1, 2, 3, 4, 5, 6
PTAC-2	CREE	ETAC2-12HP265VA-A	11,800	10,500	2.45 / 8,300 BTUH	20 CFM	11.6	265 VOLT / 1 PHASE	13.1 AMPS	20 AMPS	1, 2, 3, 4, 5, 6
PTAC-3	CREE	ETAC2-07HP265VA-A	7,200	6,000	3.45 / 11,700 BTUH	20 CFM	13.0	265 VOLT / 1 PHASE	13.1 AMPS	20 AMPS	1, 2, 3, 4, 5, 6

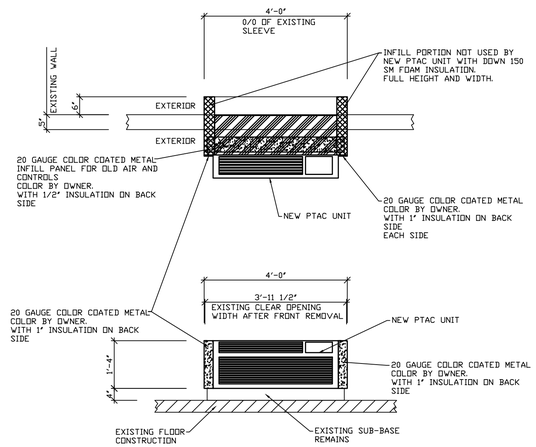
PTAC OPTIONS:

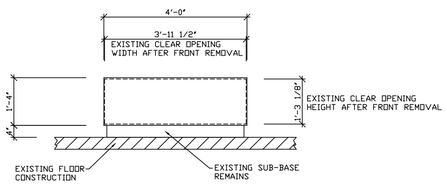
1. UNIT WILL BE MOUNTED IN EXISTING WALL SLEEVE. SEE DETAILS ON DRAWING #M4.0 FOR ADDITIONAL WORK BY THE MECHANICAL CONTRACTOR.
2. PROVIDE POWER CORD CONNECTION AS REQUIRED BASED UPON EXISTING CONDITIONS. FIELD VERIFY.

PTAC UNIT INSTALLATION NOTES:

1. HVAC CONTRACTOR SHALL VERIFY THAT SPECIFIED UNITS WILL MOUNT IN EXISTING WALL SLEEVE WITH THE MANUFACTURER PRIOR TO ORDERING ANY UNITS.
2. HVAC CONTRACTOR SHALL VERIFY WITH THE MANUFACTURER THAT INSTALLATION AS INDICATED ON THESE DRAWINGS WILL PROVIDE PROPER PERFORMANCE AND WARRANTY.
3. HVAC CONTRACTOR SHALL COMPLETELY INSTALL ONE PTAC UNIT FOR VERIFICATION AND ACCEPTANCE BY THE OWNER PRIOR TO INSTALLATION OF REMAINING UNITS.







1 M4.0 EXISTING PTAC SLEEVE DETAIL
SCALE: 1/2" = 1'-0

2 M4.0 NEW PTAC SLEEVE DETAIL
SCALE: 1/2" = 1'-0

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GOVERNING CODES

2014 INDIANA BUILDING CODE
(IBC 2012 EDITION - WITH INDIANA AMENDMENTS)
2014 INDIANA FIRE CODE
(IFC 2012 EDITION - WITH INDIANA AMENDMENTS)
2012 INDIANA PLUMBING CODE
(IPC 2006 EDITION - WITH INDIANA AMENDMENTS)
2014 INDIANA MECHANICAL CODE
(IMC 2012 EDITION - WITH INDIANA AMENDMENTS)
2010 INDIANA ENERGY CONSERVATION CODE
(ANSI/ASHRAE 90.1 - 2007 EDITION - WITH INDIANA AMENDMENTS)
2009 INDIANA ELECTRICAL CODE
(NEC 2008 EDITION - WITH INDIANA AMENDMENTS)

SECTION 15300 - HEATING, AIR CONDITIONING, AND VENTILATION

PART 1: GENERAL The General Conditions and other Contract Documents are hereby made a part of this Section to the same extent as if written out in full.

1.1 MANUFACTURER'S DESIGNATION
When manufacturers catalog numbers are given, they are for assistance to the bidder. In case of discrepancies in catalog numbers, the Contractor shall contact the Engineer of Record.
1.2 SUPERVISION
The Heating, Air Conditioning, and Ventilation Contractor shall at all times throughout the construction period, maintain proper supervision of his employees, make orderly disposition of his materials, maintain high class workmanship, systematically remove debris, cooperate fully with other contractors and subcontractors and avoid the creation of hazards to others on the job.
1.3 GUARANTEE
The Heating, Air Conditioning, and Ventilation Contractor shall make good any defects due to faulty material or workmanship; he shall correct any malfunction not due to misuse or abuse after date of acceptance, which develops in his work, for a period of one (1) year from date of acceptance. The date of final payment shall be recognized as the date of final acceptance.
1.4 EQUIPMENT MARKING AND PAINTING
All marred or scratched equipment shall be touched up with same paint as that damaged.
All metal which is factory prime coated shall be given two (2) coats of gray machinery enamel. This shall include fans, motor bases, hangers, etc.
1.5 RULES, REGULATIONS AND PERMITS
All materials, workmanship, and installation shall conform to all local and state codes and federal O.S.H.A. standards. This Heating, Air Conditioning, and Ventilation Contractor shall, at his own expense, furnish all necessary permits and fees required by the Local Ordinances and by the State of Indiana for construction and inspection of work installed by him. Refer to drawings for specific enforceable Building Codes.
1.6 EXHAUST AIR
The Owner shall not add any equipment to the building which will cause an unbalance in the HVAC air supply system, such as range hoods or exhaust fans. The addition of such equipment may cause the HVAC System to not perform as designed. Make-up air shall be provided for the addition of such additional equipment by the Owner.

PART 2: MATERIALS AND METHODS

2.1 PRODUCTS
See drawings for model numbers and specifications.

Ductwork Notes:
1. Field verify all duct dimensions and conditions and adjust as necessary.
2. Turning vanes shall be installed in all right angle or square turns or turns in which the center line radius is less than 1 1/2 times duct width in place of turn. Turning vanes shall also be installed where required in order to reduce the aspect ratio to not more than 2/3.
3. Install tapered take-offs as required on supply and return runs.
4. Install volume dampers on all ducts (supply and return) from main trunk lines.
5. All duct dimensions shown on the drawing are net free area.
6. Coordinate ductwork, diffuser, and grilles locations with electrical lighting fixtures. See electrical drawings.
8. Ducts shall be free of rattle or rumble and shall not vibrate or breathe.
9. Paint all ductwork visible through grilles and diffusers dull finish black.
10. All openings or chases necessary for the installation of ductwork shall be laid out for Other contractors to insure proper spaces.
11. All transverse seam laps shall be made in the direction of flow, longitudinal seams shall be locked and hammered flat.

2.2 PLAN
The Heating, Air Conditioning and Ventilation Contractor shall use the accompanying drawings as his working drawings except that deviations may be made only when interference may arise.
Such deviations shall be called to the attention of the Engineer as prior approval obtained before making any installation. In no case shall codes, rules or regulations hereinbefore referred to be violated.
2.3 DRAWINGS
The Heating, Air Conditioning, and Ventilation Contractor shall furnish "Shop Drawings" in accordance with the requirements of DIVISION 1, GENERAL CONDITIONS, and all amendments thereto. He shall obtain, ahead of job progress, all manufacturer's drawings, wiring diagrams, rough-in location drawings, operating instructions, etc., for each item of equipment furnished and set by him and connected to by other contractors. He shall see that the other contractors who connect to his equipment have the necessary
drawings for rough-in and wiring diagrams ahead of their job progress. The Heating, Air Conditioning, and Ventilation Contractor shall also maintain a complete set of general, structural, electrical and
mechanical drawings during the progress of the job. He shall also maintain a clean set of mechanical-electrical drawings for record purposes, upon which he shall mark, legibly, all deviations from the
Contract Documents. This set shall be turned over to the Engineer at the termination of the job for an "As Built" set.

PART 3: EXECUTION

A. All work on this project must be complete of all parts and supplies and hook-ups to make a complete operating job when the project is finished.
B. All equipment shall be provided and installed in strict accordance with the manufacturer's installation instructions.
C. Compaction of soil shall be as stated in the General Written Specifications for all trenching.

END OF SECTION

GENERAL NOTES:

1. ALL CONTRACTORS AND SUB-CONTRACTORS SHALL REVIEW ALL DRAWINGS FOR WORK PERFORMED BY THAT CONTRACTOR.
2. ALL WALLS INDICATED ON THE ARCHITECTURAL PLANS AS FIRE RATED SHALL BE PROPERLY FIRE CAULKED FOR ALL PENETRATIONS.

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DATE	REVISIONS	BY

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STATE OF INDIANA
MECHANICAL

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BUILDING RENOVATION

MICHAEL R. WALDBIESER
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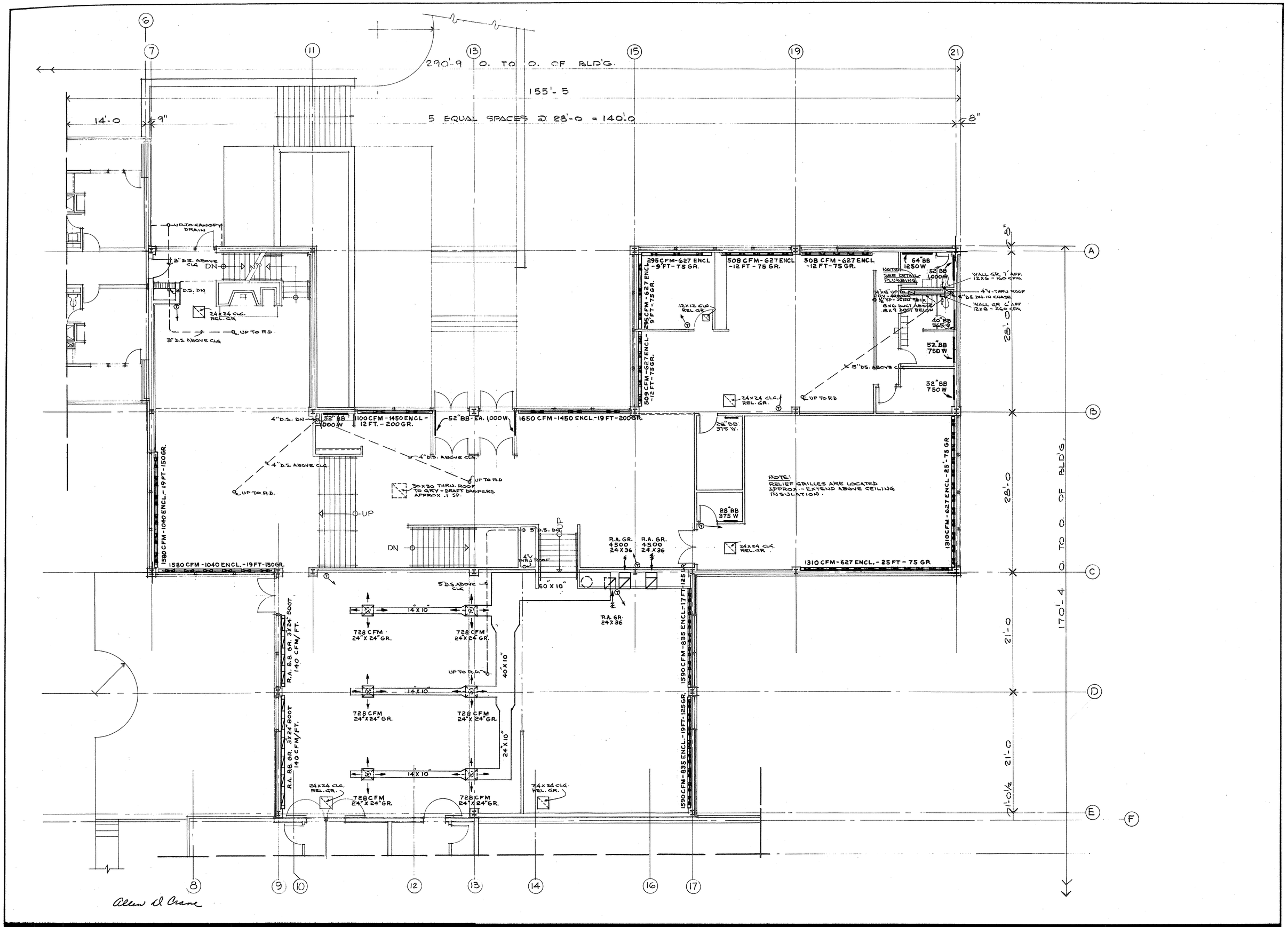
PHONE: (812) 232-6510

SCALE: NONE
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: MEP #F

M4.0



Allen D Crane

DATE 9-25-72

PROJECT NO T-002

DRAWN BY J.W.F.

ALLEN D. CRANE REGISTERED No 12504 STATE OF INDIANA PROFESSIONAL ENGINEER

E. H. MILLER REGISTERED No 1179 STATE OF INDIANA ARCHITECT

Ewing H. Miller

ARCHITECTS • PLANNERS • PROGRAMMERS • ENGINEERS
ENVIRONMENTAL SCIENTISTS • CONSTRUCTION MANAGEMENT

788 SOUTH THIRD STREET TERRE HAUTE, INDIANA 47808

P.A.C., INC. CONSULTING ENGINEERS

ARCHONICS CORPORATION

MECHANICAL

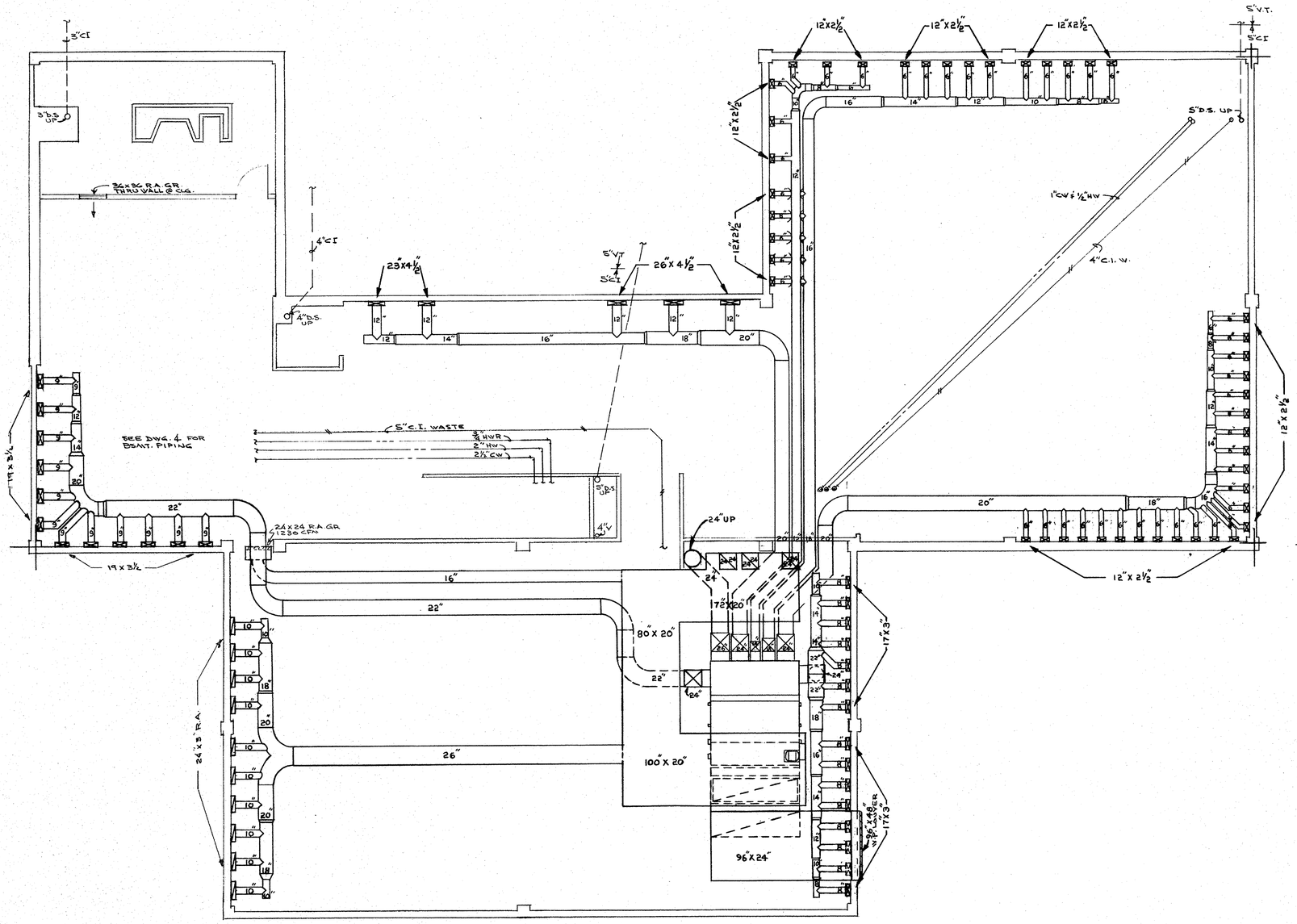
FIRST FLOOR - AREA "A" - ABOVE FLOOR HEATING

PROJECT INDIANA LABORERS TRAINING INSTITUTE OOLITIC, INDIANA

OWNER INDIANA LABORERS TRAINING TRUST FUND

REVISIONS

SHEET NO. 61



Allen D. Crane

DATE 9-25-72	ALLEN D. CRANE REGISTERED No 12504 STATE OF INDIANA PROFESSIONAL ENGINEER	E. H. MILLER REGISTERED No 1179 STATE OF INDIANA ARCHITECT	ARCHITECTS • PLANNERS • PROGRAMMERS • ENGINEERS ENVIRONMENTAL SCIENTISTS • CONSTRUCTION MANAGEMENT
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DRAWN BY J.W.F.		Ewing H. Miller	P.A.C., INC. CONSULTING ENGINEERS

ARCHONICS CORPORATION

MECHANICAL

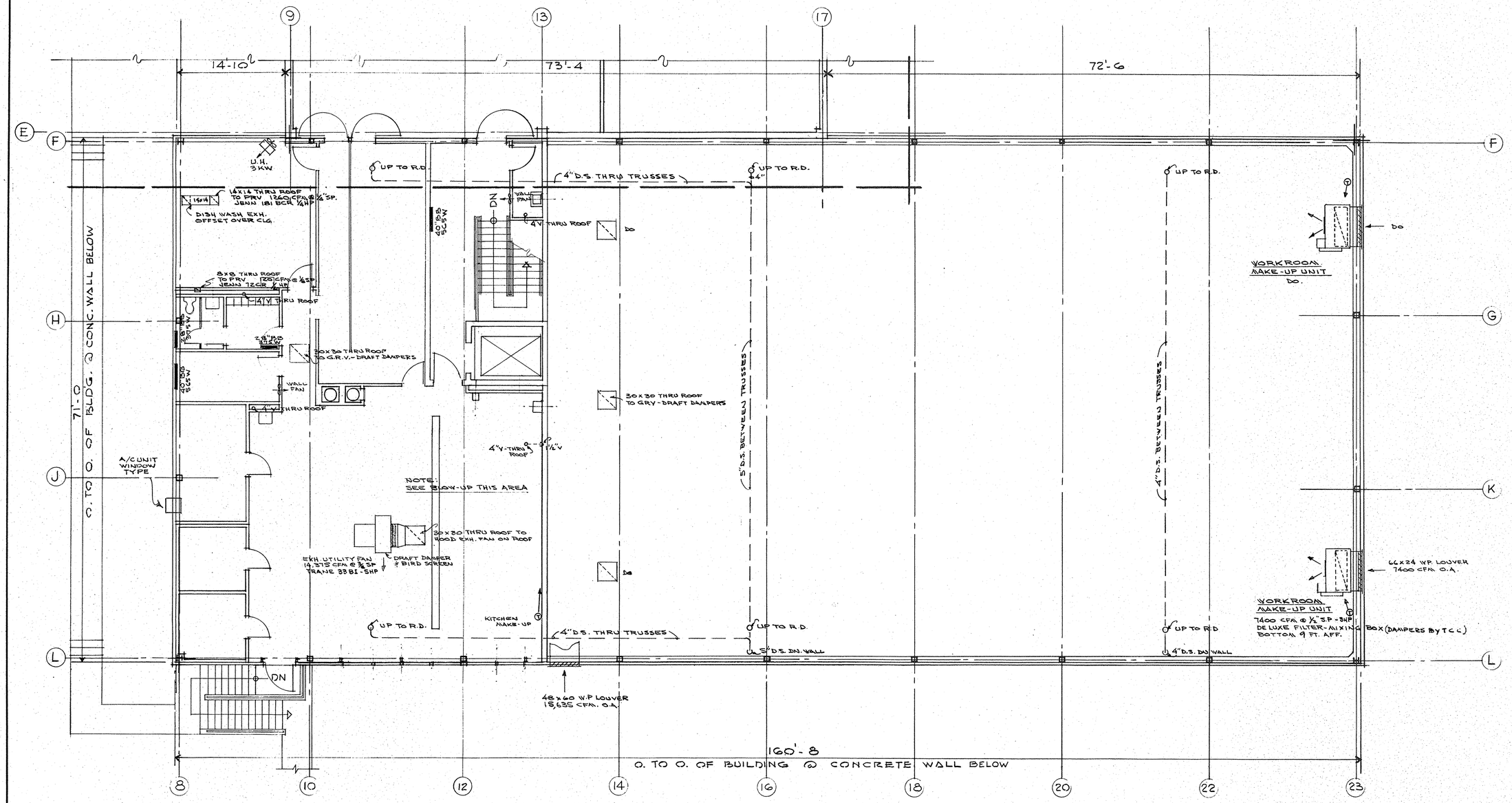
FIRST FLOOR - AREA "A" - UNDER FLOOR HEATING

PROJECT INDIANA LABORERS TRAINING INSTITUTE OOLITIC, INDIANA

OWNER INDIANA LABORERS TRAINING TRUST FUND

REVISIONS

SHEET NO. 62



Allen D. Crane

DATE 9-25-72	ALLEN D. CRANE REGISTERED No 12504 STATE OF INDIANA PROFESSIONAL ENGINEER	E. H. MILLER REGISTERED No 1179 STATE OF INDIANA ARCHITECT	ARCHITECTS • PLANNERS • PROGRAMMERS • ENGINEERS
PROJECT NO T-002			ENVIRONMENTAL SCIENTISTS • CONSTRUCTION MANAGEMENT
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			P.A.C., INC. — CONSULTING ENGINEERS

ARCHONICS CORPORATION

MECHANICAL

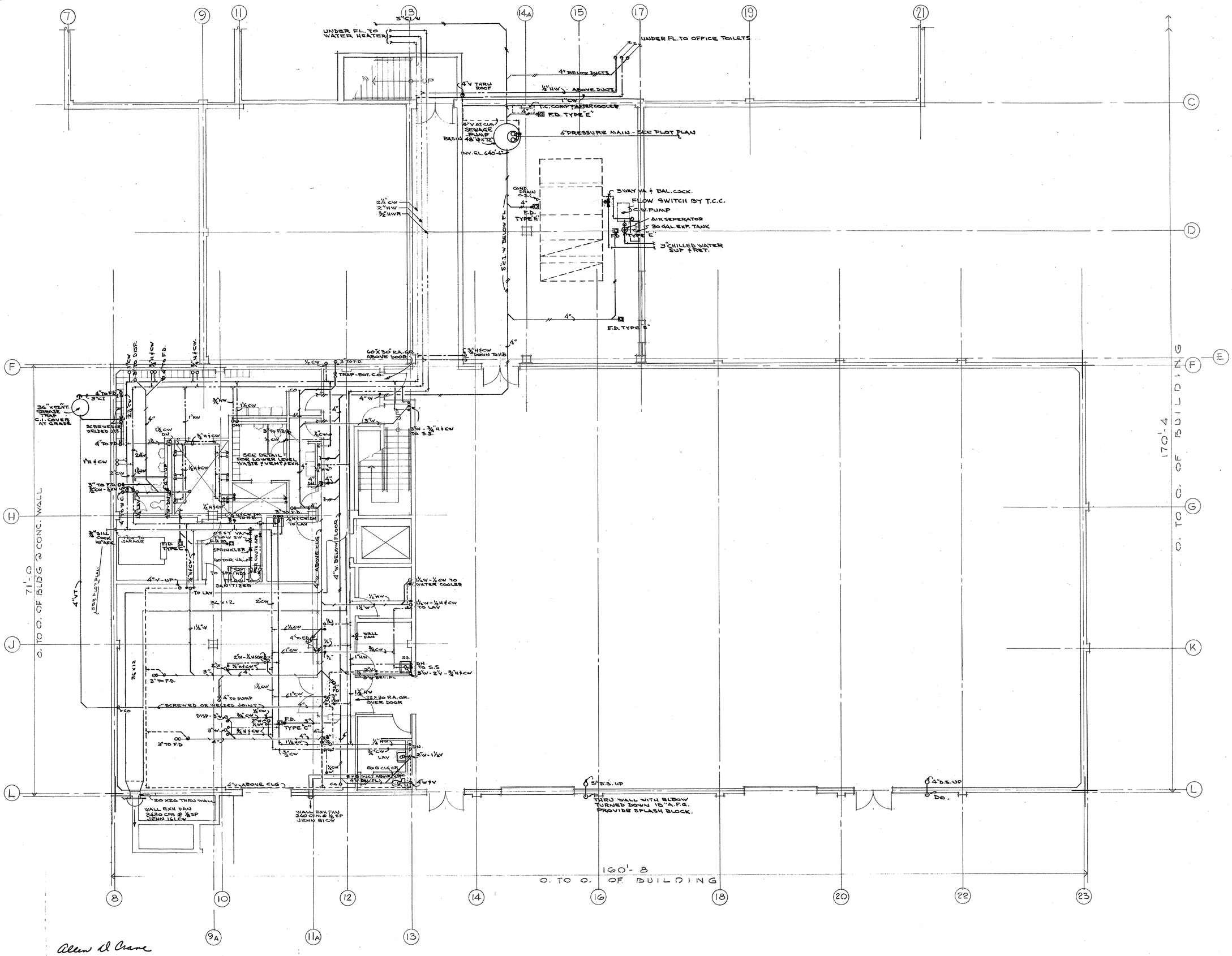
FIRST FLOOR - AREA "B" - HEATING

PROJECT INDIANA LABORERS TRAINING INSTITUTE — OOLITIC, INDIANA

OWNER INDIANA LABORERS TRAINING TRUST FUND

REVISIONS

SHEET NO. 63



Allen D. Crane

DATE 9-25-72	ARCHITECTS • PLANNERS • PROGRAMMERS • ENGINEERS	MECHANICAL	REVISIONS
PROJECT NO. T-002	ENVIRONMENTAL SCIENTISTS • CONSTRUCTION MANAGEMENT	LOWER LEVEL - AREA "B" - PLUMBING	
DRAWN BY A.D.C.	788 SOUTH THIRD STREET TERRE HAUTE, INDIANA 47808	PROJECT INDIANA LABORERS TRAINING INSTITUTE OOLITIC, INDIANA	SHEET NO. 64
	P.A.C., INC. CONSULTING ENGINEERS	OWNER INDIANA LABORERS TRAINING TRUST FUND	

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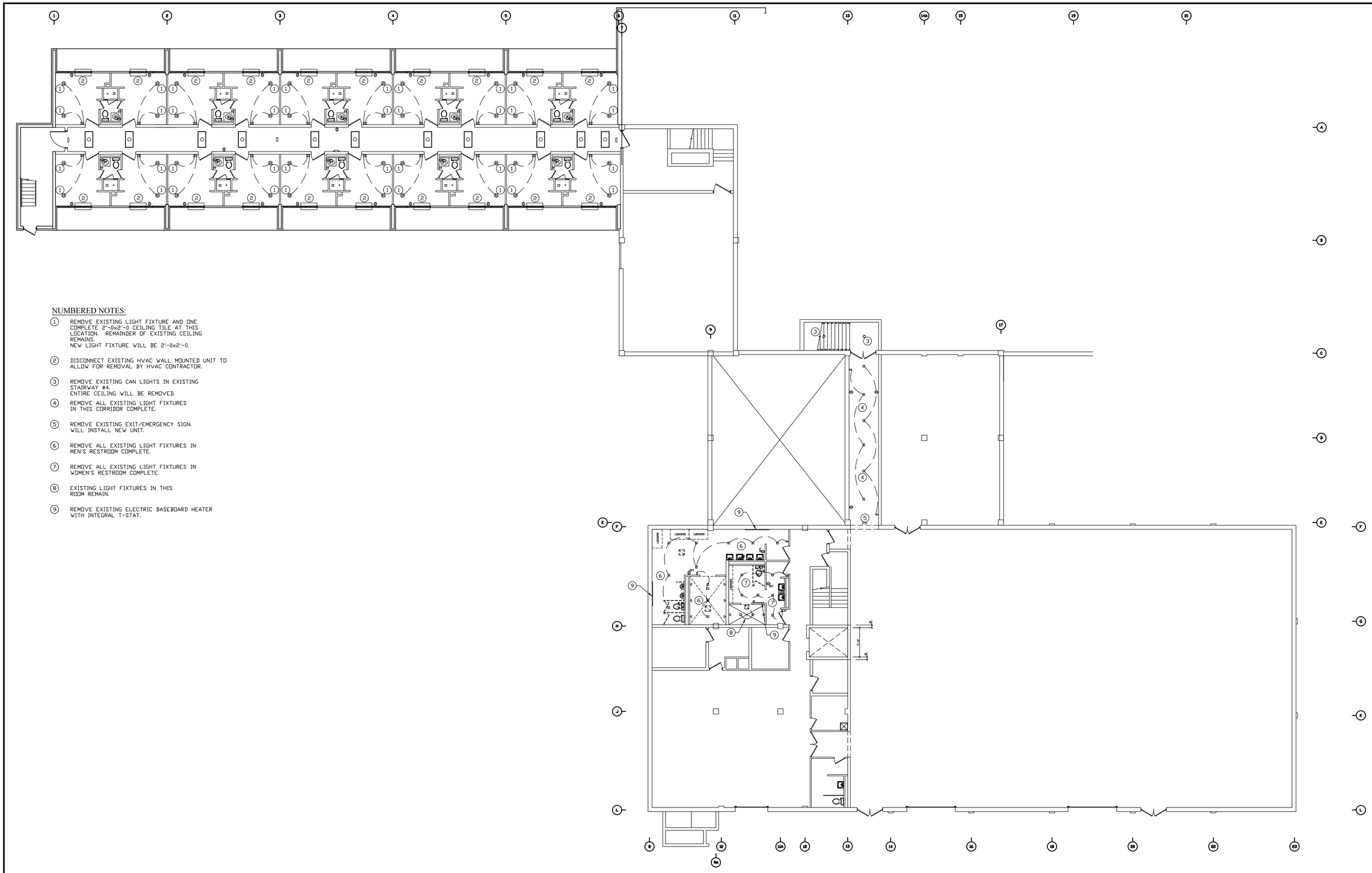
E. H. MILLER REGISTERED No 1179 STATE OF INDIANA ARCHITECT

Ewing H. Miller

ARCHONICS CORPORATION



NUMBERED NOTES:

1. REMOVE EXISTING LIGHT FIXTURE AND ONE COMPLETE 2'-0x2'-0 CEILING TILE AT THIS LOCATION. REMAINDER OF EXISTING CEILING REMAINS.
   NEW LIGHT FIXTURE WILL BE 2'-0x2'-0.
2. DISCONNECT EXISTING HVAC WALL MOUNTED UNIT TO ALLOW FOR REMOVAL BY HVAC CONTRACTOR.
3. REMOVE EXISTING CAN LIGHTS IN EXISTING STAIRWAY #4.
   ENTIRE CEILING WILL BE REMOVED.
4. REMOVE ALL EXISTING LIGHT FIXTURES IN THIS CORRIDOR COMPLETE.
5. REMOVE EXISTING EXIT/EMERGENCY SIGN. WILL INSTALL NEW UNIT.
6. REMOVE ALL EXISTING LIGHT FIXTURES IN MEN'S RESTROOM COMPLETE.
7. REMOVE ALL EXISTING LIGHT FIXTURES IN WOMEN'S RESTROOM COMPLETE.
8. EXISTING LIGHT FIXTURES IN THIS ROOM REMAIN.
9. REMOVE EXISTING ELECTRIC BASEBOARD HEATER WITH INTEGRAL T-STAT.

GENERAL MEP NOTE:

PLUMBING, MECHANICAL, AND ELECTRICAL CONTRACTORS TO ENSURE COORDINATION OF EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH STATE, COUNTY, CITY BUILDING REGULATIONS AND CODES AS WELL AS INDUSTRY STANDARD PRACTICE. THESE REQUIREMENTS ARE CONSIDERED PART OF THE PLANS AND SPECIFICATIONS AND SHALL PREVAIL SHOULD THEY DIFFER FROM THE PLANS AND SPECIFICATIONS, PRIOR TO BID SUBMISSION, THE CONTRACTOR SHOULD DIRECT THE ENGINEER'S ATTENTION TO ANY DISCREPANCY. SHOULD THE PRIME CONTRACTOR NOT SO NOTIFY THE ENGINEER, THE CONTRACTORS SHALL FULLY COMPLY WITHOUT CLAIM FOR EXTRA COSTS. REFER TO DRAWINGS FOR GOVERNING BUILDING CODES.

EXISTING ELECTRICAL
LOWER LEVEL FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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439 PATTON HILL ROAD
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BUILDING RENOVATION

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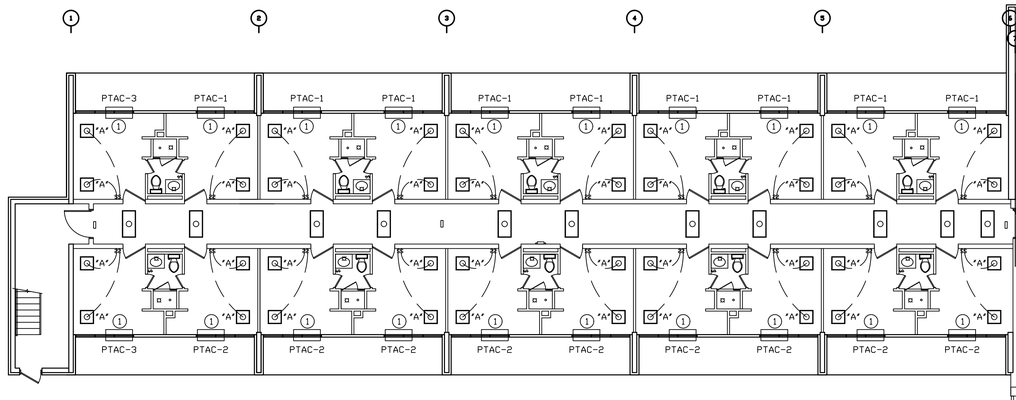
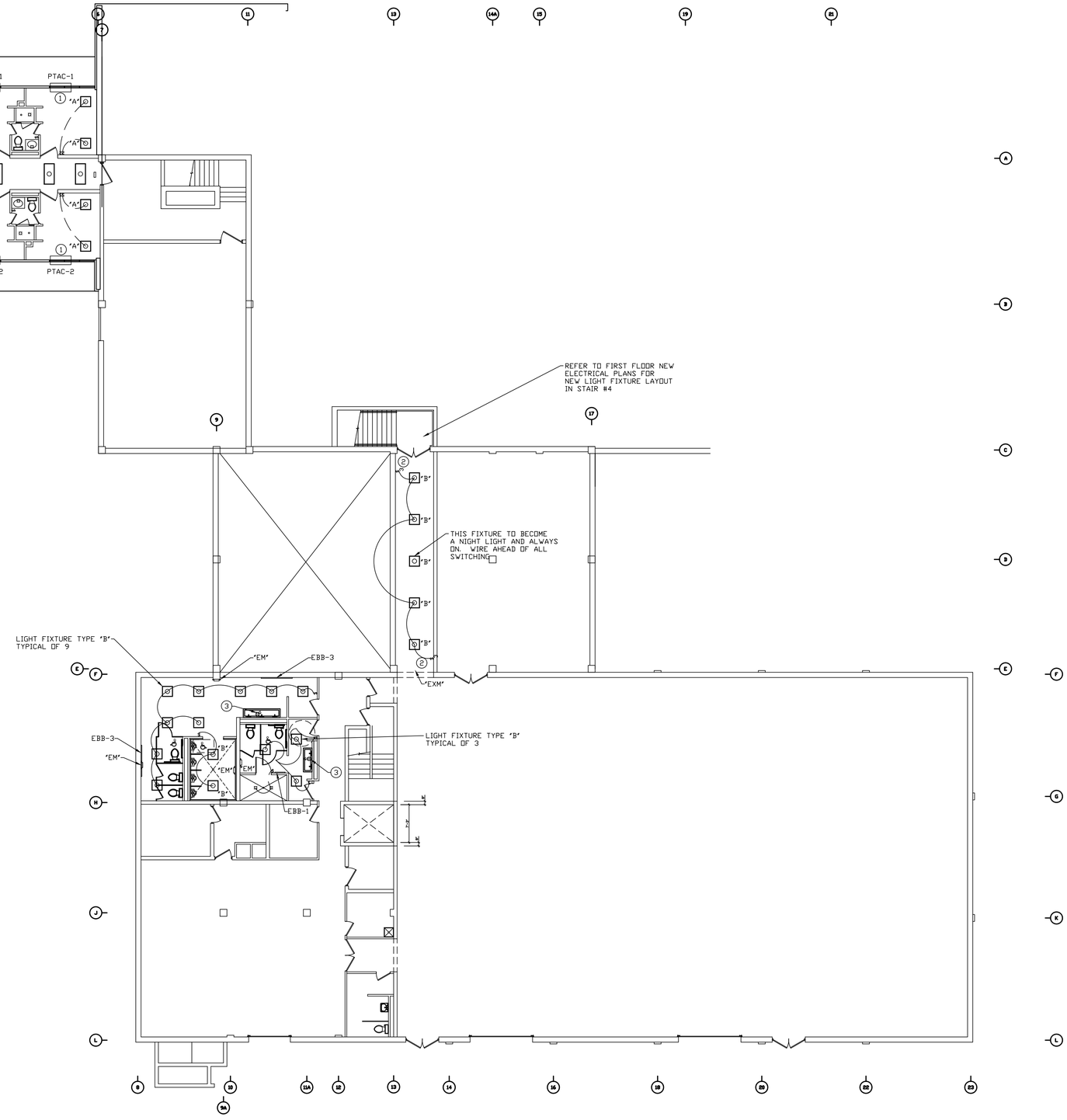
SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: LL MEP #F

E1.0





NUMBERED NOTES:

1. MAKE CONNECTION TO NEW HVAC UNIT AS REQUIRED. ON ALL NEW PTAC-2 UNITS, REPLACE EXISTING 30 AMP 277 VOLT BREAKER FEEDING UNIT WITH 20 AMP 277 VOLT BREAKER.
2. REPLACE EXISTING 1 POLE SWITCH WITH NEW 3 WAY SWITCH. ADD ADDITIONAL WIRE AS REQUIRED.
3. PROVIDE AND INSTALL NEW GFI OUTLET UNDERNEATH NEW LAVATORY SYSTEM FOR POWER PACKS FOR FAUCETS.

ELECTRICAL NOTES:

1. ALL NEW LIGHT FIXTURES SHALL BE WIRED TO EXISTING LIGHTING CIRCUITS.
2. ALL NEW EXIT/EMERGENCY LIGHTS SHALL BE INSTALLED ON THE LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.

GENERAL MEP NOTE:

PLUMBING, MECHANICAL, AND ELECTRICAL CONTRACTORS TO ENSURE COORDINATION OF EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH STATE, COUNTY, CITY BUILDING REGULATIONS AND CODES AS WELL AS INDUSTRY STANDARD PRACTICE. THESE REQUIREMENTS ARE CONSIDERED PART OF THE PLANS AND SPECIFICATIONS AND SHALL PREVAIL SHOULD THEY DIFFER FROM THE PLANS AND SPECIFICATIONS, PRIOR TO BID SUBMISSION, THE CONTRACTOR SHOULD DIRECT THE ENGINEER'S ATTENTION TO ANY DISCREPANCY. SHOULD THE PRIME CONTRACTOR NOT SO NOTIFY THE ENGINEER, THE CONTRACTORS SHALL FULLY COMPLY WITHOUT CLAIM FOR EXTRA COSTS. REFER TO DRAWINGS FOR GOVERNING BUILDING CODES.

REMODELED ELECTRICAL
LOWER LEVEL FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

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REGISTERED
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PROFESSIONAL ENGINEER

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BUILDING RENOVATION

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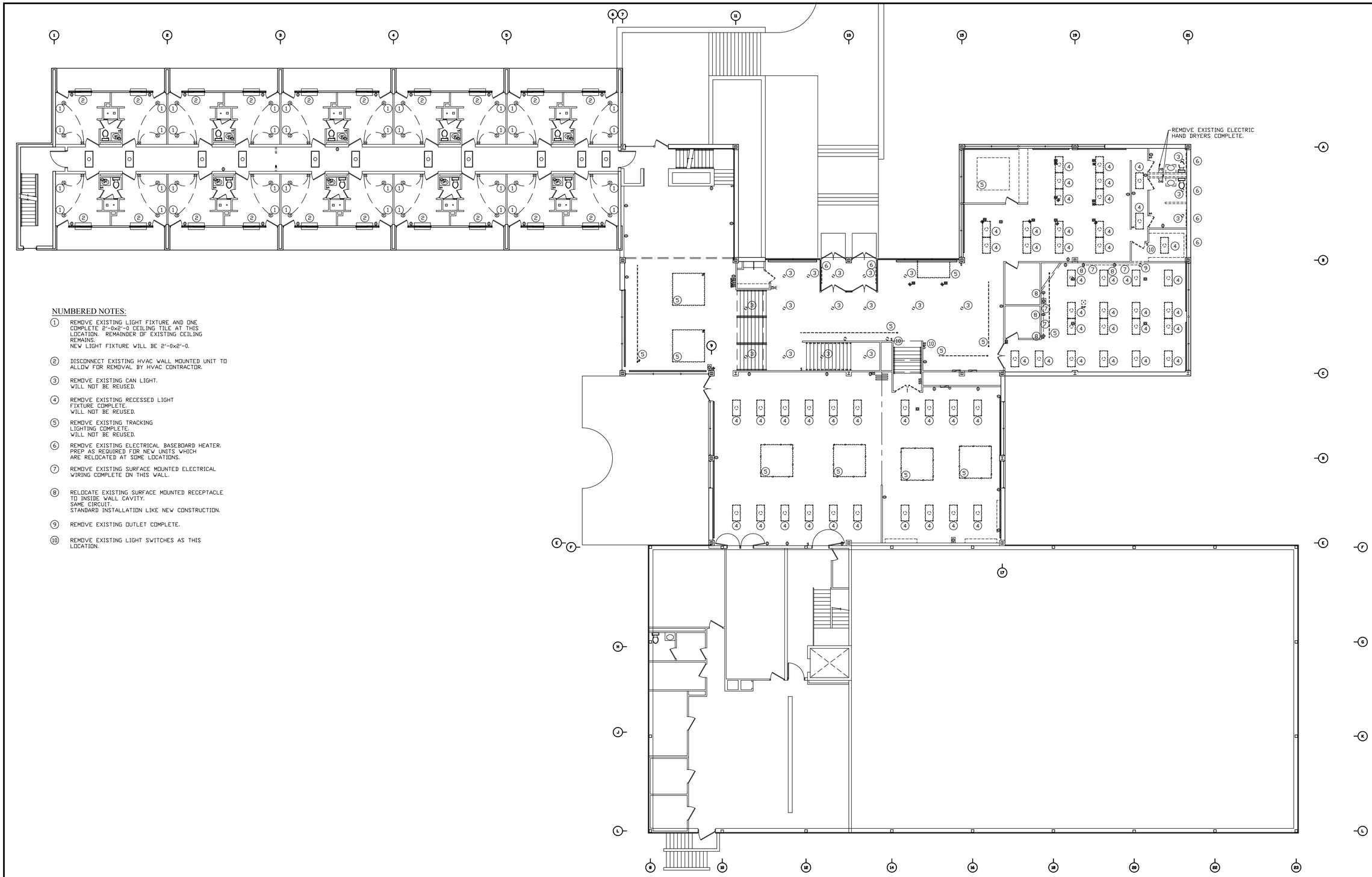
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: LL MEP #F

E1.1



NUMBERED NOTES:

1. REMOVE EXISTING LIGHT FIXTURE AND ONE COMPLETE 2'-0x2'-0 CEILING TILE AT THIS LOCATION. REMAINDER OF EXISTING CEILING REMAINS.
   NEW LIGHT FIXTURE WILL BE 2'-0x2'-0.
2. DISCONNECT EXISTING HVAC WALL MOUNTED UNIT TO ALLOW FOR REMOVAL BY HVAC CONTRACTOR.
3. REMOVE EXISTING CAN LIGHT. WILL NOT BE REUSED.
4. REMOVE EXISTING RECESSED LIGHT FIXTURE COMPLETE. WILL NOT BE REUSED.
5. REMOVE EXISTING TRACKING LIGHTING COMPLETE. WILL NOT BE REUSED.
6. REMOVE EXISTING ELECTRICAL BASEBOARD HEATER. PREP AS REQUIRED FOR NEW UNITS WHICH ARE RELOCATED AT SOME LOCATIONS.
7. REMOVE EXISTING SURFACE MOUNTED ELECTRICAL WIRING COMPLETE ON THIS WALL.
8. RELOCATE EXISTING SURFACE MOUNTED RECEPTACLE TO INSIDE WALL CAVITY. SAME CIRCUIT. STANDARD INSTALLATION LIKE NEW CONSTRUCTION.
9. REMOVE EXISTING OUTLET COMPLETE.
10. REMOVE EXISTING LIGHT SWITCHES AS THIS LOCATION.

GENERAL MEP NOTE:

PLUMBING, MECHANICAL, AND ELECTRICAL CONTRACTORS TO ENSURE COORDINATION OF EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH STATE, COUNTY, CITY BUILDING REGULATIONS AND CODES AS WELL AS INDUSTRY STANDARD PRACTICE. THESE REQUIREMENTS ARE CONSIDERED PART OF THE PLANS AND SPECIFICATIONS AND SHALL PREVAIL SHOULD THEY DIFFER FROM THE PLANS AND SPECIFICATIONS. PRIOR TO BID SUBMISSION, THE CONTRACTOR SHOULD DIRECT THE ENGINEER'S ATTENTION TO ANY DISCREPANCY. SHOULD THE PRIME CONTRACTOR NOT SO NOTIFY THE ENGINEER, THE CONTRACTORS SHALL FULLY COMPLY WITHOUT CLAIM FOR EXTRA COSTS. REFER TO DRAWINGS FOR GOVERNING BUILDING CODES.

EXISTING ELECTRICAL FIRST FLOOR PLAN

SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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BUILDING RENOVATION

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SCALE: 3/32" = 1'-0"
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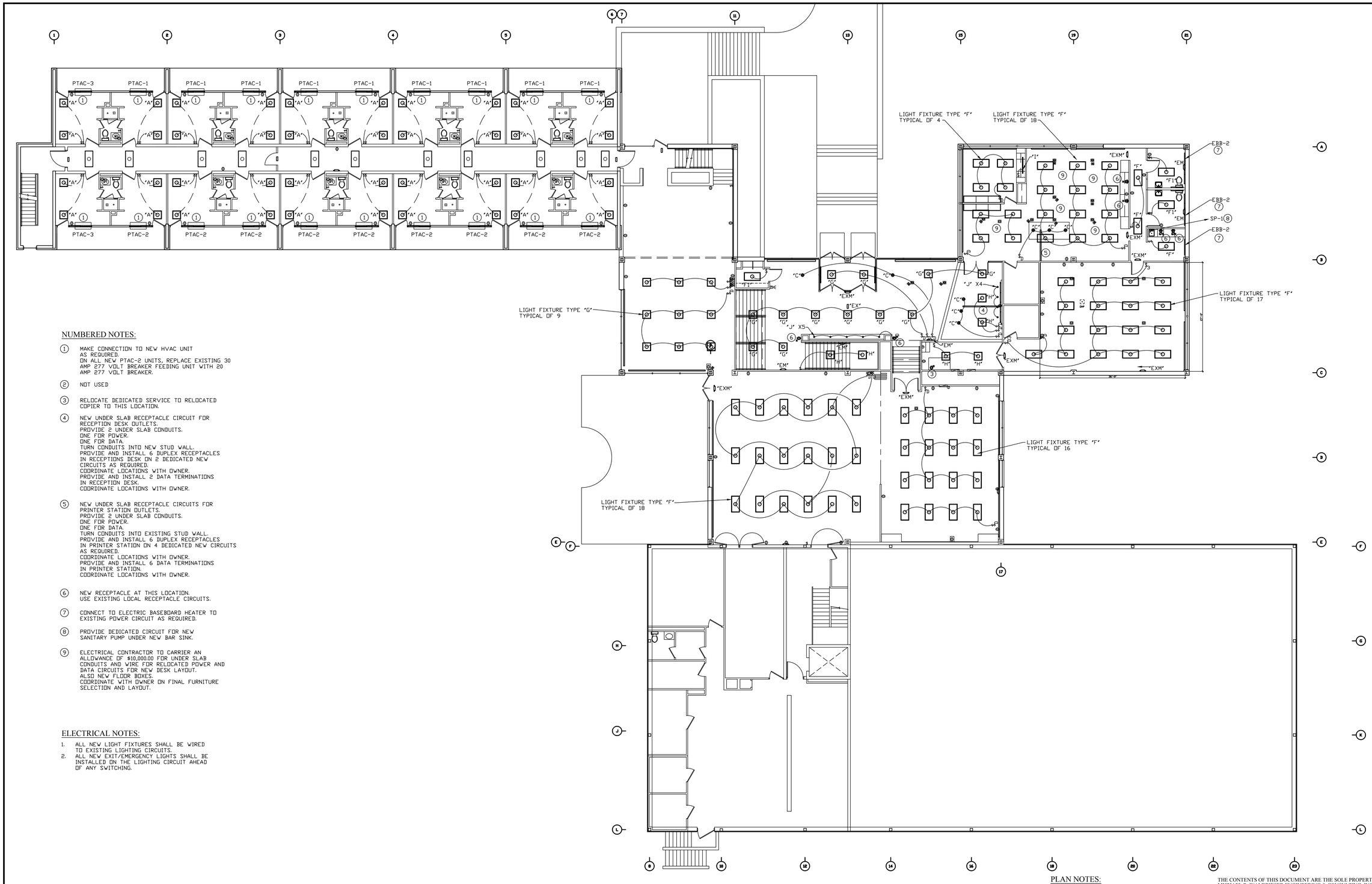
PROJECT: 18-14
FILE: 1st MEP #F

E2.0



NUMBERED NOTES:

1. MAKE CONNECTION TO NEW HVAC UNIT AS REQUIRED. ON ALL NEW PTAC-2 UNITS, REPLACE EXISTING 30 AMP 277 VOLT BREAKER FEEDING UNIT WITH 20 AMP 277 VOLT BREAKER.
2. NOT USED
3. RELOCATE DEDICATED SERVICE TO RELOCATED COPIER TO THIS LOCATION.
4. NEW UNDER SLAB RECEPTACLE CIRCUIT FOR RECEPTION DESK OUTLETS. PROVIDE 2 UNDER SLAB CONDUITS. ONE FOR POWER. ONE FOR DATA. TURN CONDUITS INTO NEW STUD WALL. PROVIDE AND INSTALL 6 DUPLEX RECEPTACLES IN RECEPTIONS DESK ON 2 DEDICATED NEW CIRCUITS AS REQUIRED. COORDINATE LOCATIONS WITH OWNER. PROVIDE AND INSTALL 2 DATA TERMINATIONS IN RECEPTION DESK. COORDINATE LOCATIONS WITH OWNER.
5. NEW UNDER SLAB RECEPTACLE CIRCUITS FOR PRINTER STATION OUTLETS. PROVIDE 2 UNDER SLAB CONDUITS. ONE FOR POWER. ONE FOR DATA. TURN CONDUITS INTO EXISTING STUD WALL. PROVIDE AND INSTALL 6 DUPLEX RECEPTACLES IN PRINTER STATION ON 4 DEDICATED NEW CIRCUITS AS REQUIRED. COORDINATE LOCATIONS WITH OWNER. PROVIDE AND INSTALL 6 DATA TERMINATIONS IN PRINTER STATION. COORDINATE LOCATIONS WITH OWNER.
6. NEW RECEPTACLE AT THIS LOCATION. USE EXISTING LOCAL RECEPTACLE CIRCUITS.
7. CONNECT TO ELECTRIC BASEBOARD HEATER TO EXISTING POWER CIRCUIT AS REQUIRED.
8. PROVIDE DEDICATED CIRCUIT FOR NEW SANITARY PUMP UNDER NEW BAR SINK.
9. ELECTRICAL CONTRACTOR TO CARRIER AN ALLOWANCE OF $10,000.00 FOR UNDER SLAB CONDUITS AND WIRE FOR RELOCATED POWER AND DATA CIRCUITS FOR NEW DESK LAYOUT. ALSO NEW FLOOR BOXES. COORDINATE WITH OWNER ON FINAL FURNITURE SELECTION AND LAYOUT.

ELECTRICAL NOTES:

1. ALL NEW LIGHT FIXTURES SHALL BE WIRED TO EXISTING LIGHTING CIRCUITS.
2. ALL NEW EXIT/EMERGENCY LIGHTS SHALL BE INSTALLED ON THE LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.

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REMODELED ELECTRICAL
FIRST FLOOR PLAN
SCALE: 3/32" = 1'-0"

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

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NO. 19900108
STATE OF INDIANA

INDIANA LABORERS' TRAINING TRUST FUND
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BEDFORD, INDIANA 47421

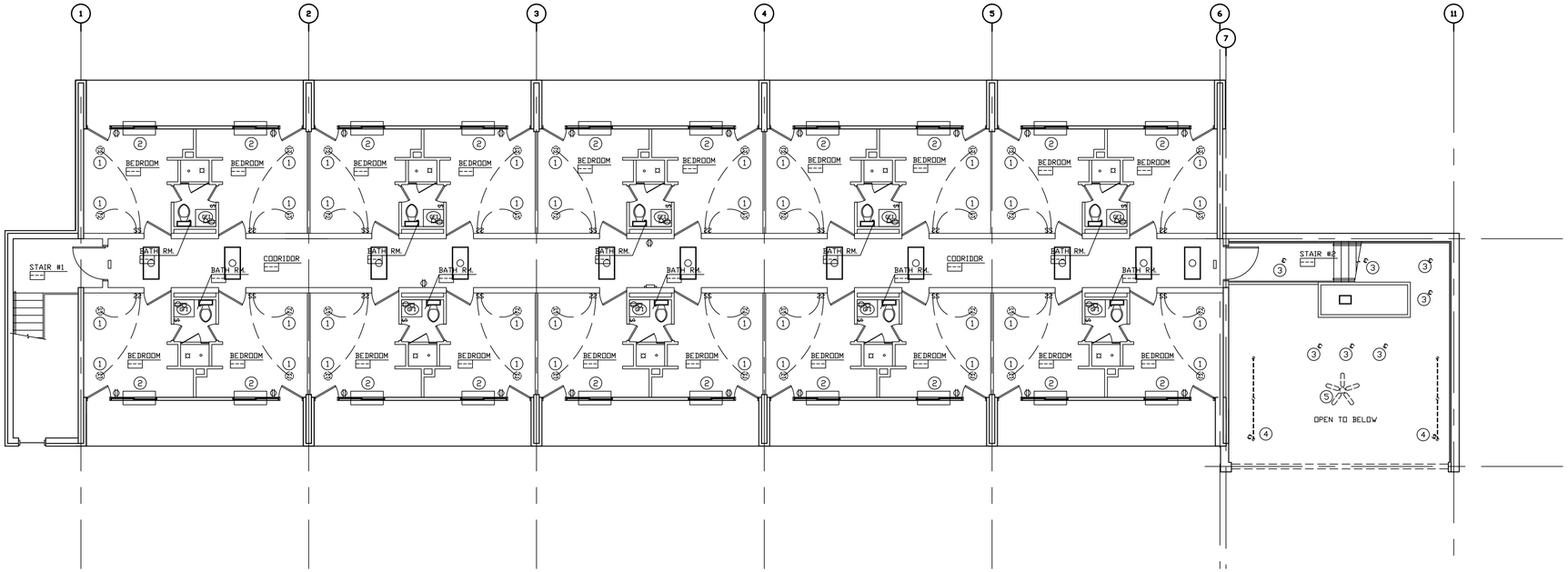
BUILDING RENOVATION

MICHAEL R. WALDBIESER
ENGINEERING & CONSULTING, INC
STRUCTURAL, PLUMBING, MECHANICAL & ELECTRICAL DESIGN
SYCAMORE BUILDING
19 SOUTH 6th STREET, SUITE 804
TERRE HAUTE, INDIANA 47807
PHONE: (812) 232-6510

SCALE: 3/32" = 1'-0"
DATE: 05-01-19
DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: 1st MEP #F

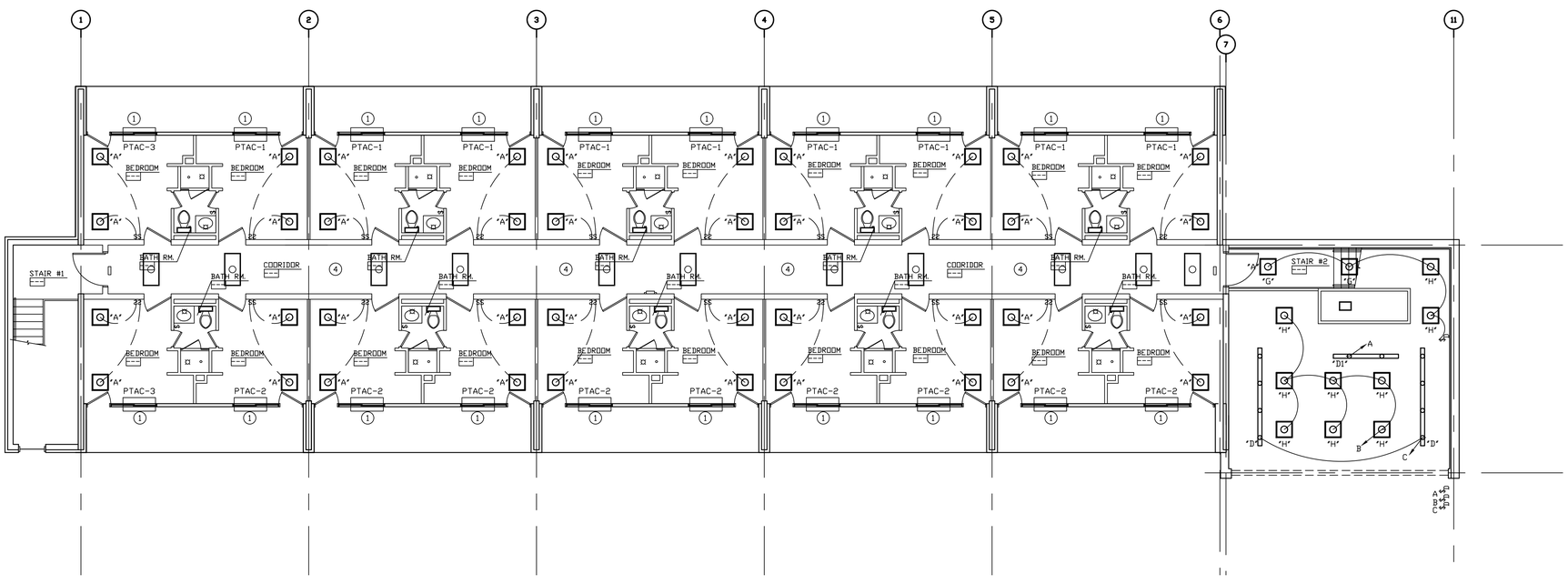
E2.1



EXISTING ELECTRICAL
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

NUMBERED NOTES:

1. REMOVE EXISTING LIGHT FIXTURE AND ONE COMPLETE 2'-0x2'-0 CEILING TILE AT THIS LOCATION. REMAINDER OF EXISTING CEILING REMAINS. NEW LIGHT FIXTURE WILL BE 2'-0x2'-0.
2. DISCONNECT EXISTING HVAC WALL MOUNTED UNIT TO ALLOW FOR REMOVAL BY HVAC CONTRACTOR.
3. REMOVE EXISTING CAN LIGHT. WILL NOT BE REUSED.
4. REMOVE EXISTING TRACKING LIGHTING COMPLETE. WILL NOT BE REUSED.
5. REMOVE EXISTING CEILING FAN COMPLETE. WILL NOT BE REUSED.



REMODELED ELECTRICAL
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

NUMBERED NOTES:

1. MAKE CONNECTION TO NEW HVAC UNIT AS REQUIRED. ON ALL NEW PTAC-2 UNITS, REPLACE EXISTING 30 AMP 277 VOLT BREAKER FEEDING UNIT WITH 20 AMP 277 VOLT BREAKER.

ELECTRICAL NOTES:

1. ALL NEW LIGHT FIXTURES SHALL BE WIRED TO EXISTING LIGHTING CIRCUITS.
2. ALL NEW EXIT/EMERGENCY LIGHTS SHALL BE INSTALLED ON THE LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.

PLAN NOTES:

1. FIELD VERIFY ALL EXISTING DIMENSIONS.

GENERAL MEP NOTE:
PLUMBING, MECHANICAL, AND ELECTRICAL CONTRACTORS TO ENSURE COORDINATION OF EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH STATE, COUNTY, CITY BUILDING REGULATIONS AND CODES AS WELL AS INDUSTRY STANDARD PRACTICE. THESE REQUIREMENTS ARE CONSIDERED PART OF THE PLANS AND SPECIFICATIONS AND SHALL PREVAIL SHOULD THEY DIFFER FROM THE PLANS AND SPECIFICATIONS. PRIOR TO BID SUBMISSION, THE CONTRACTOR SHOULD DIRECT THE ENGINEER'S ATTENTION TO ANY DISCREPANCY. SHOULD THE PRIME CONTRACTOR NOT SO NOTIFY THE ENGINEER, THE CONTRACTORS SHALL FULLY COMPLY WITHOUT CLAIM FOR EXTRA COSTS. REFER TO DRAWINGS FOR GOVERNING BUILDING CODES.

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DRAWN BY: MRW
APPROVED BY: MRW

PROJECT: 18-14
FILE: 2nd MEP #F

E3.0

SECTION 16000 - ELECTRICAL

PART 1: GENERAL The General Conditions and other Contract Documents are hereby made a part of this Section to the same extent as if written out in full.

1.1 MANUFACTURE'S DESIGNATION
When manufacturers catalog numbers are given, they are for assistance to the bidder. In case of discrepancies in catalog numbers, the Contractor shall contact the Engineer of Record.
All material to be new and in original cartons and bear the UL approval if such material is available with UL Label.
1.2 SUPERVISION
The Electrical Contractor shall, at all times throughout the construction period, maintain proper supervision of his employees, make orderly disposition of his materials, maintain high-class workmanship, systematically remove debris, cooperate fully with other contractors and subcontractors and avoid the creation of hazards to others on the job.
1.3 GUARANTEE
The Electrical Contractor shall make good any defects due to faulty material or workmanship; he shall correct any malfunction not due to misuse or abuse after date of acceptance which develops in his work, for a period on one (1) year from date of acceptance. The date of final payment shall be recognized as the date of acceptance.
1.4 EQUIPMENT MARKING AND PAINTING
All panels shall have card holders for circuit identification. Circuit legend shall by typewritten.
Each outlet and switch shall have circuit identification marked on back of plate.
1.5 RULES, REGULATIONS AND PERMITS
All materials, workmanship, and installation shall conform to all local and state codes and federal O.S.H.A. standards. This Electrical Contractor shall, at his own expense, furnish all necessary permits and fees required by the Local Ordinances and by the State of Indiana for construction and inspection of work installed by him. Refer to drawings for specific enforceable Building Codes. Electrical contractor shall include in his bid all cost associated with obtaining service requirements shown on drawings.
1.6 TEMPORARY SERVICE
The Electrical Contractor shall furnish and maintain an adequate temporary electric service located at a convenient point, and shall also furnish and maintain adequate temporary lighting the full length of each corridor, with outlet, for lights and plug-ins for power at approximately twenty (20) foot intervals. Adequate lighting shall be maintained throughout the building during normal working hours.
1.7 SYSTEM SCHEDULE
The Electrical Contractor shall furnish and install all systems as hereinafter specified and shown on the drawings.
1.8 SCOPE
The work intended under this DIVISION consists of the provision of all labor and material required for the installation of complete systems all in accordance with the specifications and the accompanying drawings. Each system shall be constructed to be complete after all components are in place, and all in working order as approved by the Engineer. Furnish and install all electrical systems specified herein and as shown on the drawings.
All electrical work to be installed according to the National Electrical Code, current issue, and with service requirements of the Electric Company for this project.

PART 2: MATERIALS AND METHODS

2.1 PRODUCTS
ELECTRIC SERVICE: Service shall be as outlined on the electrical drawings for voltage, phase and number of wires. This Contractor will extend branches as indicated.

FEEDER CIRCUITS: Feeder circuits shall be installed as shown on the drawings. All conduit shall be concealed except where necessary to use for connections to equipment and panel boards. Each feeder shall be protected with fuses and switches as shown on the drawings.
BRANCH CIRCUITS: Branch circuits shall be run from panels as shown with convenience outlet circuits. Outlets shall be grouped on circuits as shown on the drawings.
PANELS: As indicated on the drawings. Panels and main breakers shall have integrated equipment short circuit rating as required by the local electrical utility and match the existing panels.
RECEPTACLES: See device specifications on drawings.
Backwiring is strictly prohibited. All wiring connections to be properly made at screw terminals with all units wrapped in electrical tape to cover all exposed terminals.
SWITCHES: See device specifications on drawings.
LIGHTING FIXTURES: See schedule on drawings. To be installed with a complete complement of lamps.
Before roughing-in outlets for various fixtures, this Contractor shall make certain that the fixture to be supplied is fitted with the proper hanging accessories to suit the purpose intended.
Flush type or recessed fixtures shall be installed with proper plaster rings or ceiling aligning devices for the ceilings to which they are to be attached, and shall be correctly spaced for symmetry with the surrounding ceiling pattern.
All recessed fixtures shall be light-tight under the surface trim; if not inherently leakproof by manufacturer's design, they shall be corrected by the use of adhering type gaskets which will not mar the ceiling surfaces.
Surface type fixtures shall have adequate knockouts, symmetrically spaced to insure access to the wiring space in the outlet above. Surface fixture bodies shall be effectively grounded by (1) fixture support, (2) two screws into the appliance or plaster cover, or (3) bare bonding wire from a ground bushing in the outlet box to the fixture body.
The Electrical Contractor shall furnish and install, complete with all glassware and lamps of sizes indicated by wattage, all fixtures as shown in the fixture schedule on the drawings.
All fixtures shall bear the Underwriters' Laboratories Label.
SAFETY SWITCHES: Provide proper size, heavy duty safety switches for motors and equipment where indicated and not in proximity of the panel from which fed.
Switches to be of the non-fused type. Switches on outdoor equipment shall have NEMA 3R enclosures.
MISCELLANEOUS WIRING: Provide and install service feeders for air conditioning units, exhaust and ventilating fans, water heater, etc. as indicated. Temperature control wiring to be provided and installed by the Electrical Contractor. Control wiring connections to thermostats and mechanical units to be by the Mechanical Contractor.
All equipment provided for this project are to be as specified on the drawings. Other manufacturer's may be substituted as long as the product is an approved "equal" by the Engineer of Record.
DATA / INTERNET SYSTEMS: BY OWNER COMPLETE
FIRE ALARM SYSTEM: BY OWNER COMPLETE
TELEPHONE SYSTEM: BY OWNER COMPLETE
VIDEO SYSTEM: None.
GROUNDING: Grounding of all interior metallic water piping is to be per NEC. Grounding of all steel buildings is to be in strict accordance with NEC. Grounding of interior gas piping as required by Code.
2.2 WIRING PLAN
The Electrical Contractor may use the accompanying drawings as his working drawings. In this case, the general plan and circuiting shall be substantially followed except for deviations due to mechanical and structural interference.
The Contractor shall, however, furnish additional drawings as hereinafter designated, or wherever directed, to bring out detail to a greater degree than that given on the accompanying drawings, or where alternate equipment, as furnished, does not fit the layout as planned on the original drawings.
The Contractor may elect to furnish complete working drawings of his own. In this case, he shall furnish prints for approval before the work has begun. Any work installed before Engineer's approval of the drawings may be subject to rejection, if in the Engineer's opinion, it does not conform with the intent of these specifications and the accompanying drawings.
2.3 DRAWINGS
The Electrical Contractor shall furnish "Shop Drawings" in accordance with the requirements of DIVISION 1, GENERAL CONDITIONS and all amendments thereto. He shall obtain, ahead of
job progress, the necessary manufacturer's drawings, wiring diagrams, and operating instructions for other Contractors equipment to which he is to connect. He shall also maintain a complete set of general, structural, electrical and mechanical drawings during the progress of the job. He shall also maintain a clean set of electrical drawings for record purposes, upon which he shall mark, legibly, all deviations from the Contract Documents. This set shall be turned over to the Engineer at the termination of the job for an "As Built" set.
2.4 FIELD LAYOUT
The intent of the drawings and these specifications is to cover circuiting, outlet location, and system coordination rather than to cover the exact location of each conduit; therefore, where interference with mechanical equipment and with the lines of other contractors are encountered, this Contractor shall at all times plan his work far enough in advance to avoid interfering with heavy equipment and large piping which cannot be readily shifted.
2.5 TYPE OF INSTALLATION
The basic wiring system shall be installed in accordance with the National Electrical Code. All wiring shall be THHN in EMT conduit where exposed. All concealing wireing may be MC Cable. Shared neutrals are not allowed.
2.6 CONDUIT AND FITTINGS
Conduit for mains and feeders 2" IPS and larger shall be rigid galvanized heavy wall, threaded. All conduits exposed to weather, exposed through floors subject to hose cleaning and mopping, or exposed in earth filled spaces, shall be heavy wall galvanized. Other non-exposed conduits may be installed with either rigid conduit or electrical metallic tubing hereinafter referred to as EMT.
Conduits laid underfloor indoors may be bare galvanized.
In case of cast in slab work, all runs of EMT which may be bent or broken by removal of forms shall be carefully installed.
All boxes shall be galvanized steel for use with MC Cable or EMT Conduit. Fiberglass boxes shall be used for all NM-B installations. Blue plastic PVC boxes are prohibited on this project.
2.7 BASIC WIRING SYSTEM
The basic wiring system shall be fabricated as specified on the electrical drawings or in this specification. Wiring shall be sized as required to conform to the requirements of the latest National Electrical Code. All wire in conduit to be type THHN copper with all sizes larger than #8 AWG to be stranded.
A. For wire #8 and smaller, provide solid wire; for wire larger than #8, provide stranded wire.
B. Connectors shall be Thomas-Betts, Appleton, or Metallectrics.
C. Conductors shall be Triangle, Anaconda, Phelps Dodge, Columbia, Hatfield or Paranite and shall be sized per the requirements of NEC.
No conductor to be smaller than #12 AWG.
All wire in conduit to be THHN copper with all sizes larger than #8 AWG to be stranded.
No conductor smaller than #12.
Back-Wiring is strictly prohibited. All wiring connections to be properly made at screw terminals with all units wrapped in electrical tape to cover all exposed terminals.
Power service to be as specified on the electrical drawings.
The Contractor shall not charge as an extra, relocation of devices and fixtures, if new location is not over six feet from the original location.

In any space used as "return air space" and indicated on the drawings, all wiring shall be in MC Cable or EMT conduit.
Grounding of all interior metallic water piping to be per NEC.
Exterior outlets and outlets indicated near sinks and lavatories shall be protected by approved "Ground Fault Circuit Interrupters" (GFI) typical throughout. GFI's installed where required by the National Electrical Code.
2.8 LOCATION OF OUTLETS AND EQUIPMENT CONNECTIONS
All outlets, as shown on the drawings, are intended to be in proper relative positions as far as symbol standards and the scale of the drawings permit. The exact positioning and final locations of these outlets, however, shall be as directed by the Engineer. This Contractor shall obtain the necessary horizontal and vertical dimensions of the outlets before roughing-in begins. This Contractor shall also obtain all necessary drawings and rough-in dimensions from the other contractors whose equipment is to be fitted.
2.9 CUTTING AND PATCHING
The Electrical Contractor shall do all the necessary cutting and fitting required for the proper installation of his work and shall repair any damage done by him or his workmen to the satisfaction of the Engineer.
2.10 DEMOLITION
The Electrical Contractor shall dispose of all material in a legal matter. Including any existing fluorescent tubes and ballasts.

PART 3: EXECUTION

All work on this project must be complete of all parts and supplies and hook-ups to make a complete operating job when the project is finished.
All equipment shall be installed in strict accordance with the manufacturer's installation instructions.
Verify voltage and amperage requirements for all equipment with Mechanical Contractor prior to start of the project.
Compaction of soil shall be as stated in the General Written Specifications for all trenching.
All trenching required for installation of products specified in this section of work shall be done by the Electrical Contractor. Backfilling after trenching shall be done in accordance with the General Written Specifications by the Electrical Contractor. After backfilling, the Electrical Contractor shall finish grade the area disturbed by the trenching to match that of the site prior to trenching.

END OF SECTION

GENERAL MEP NOTE:

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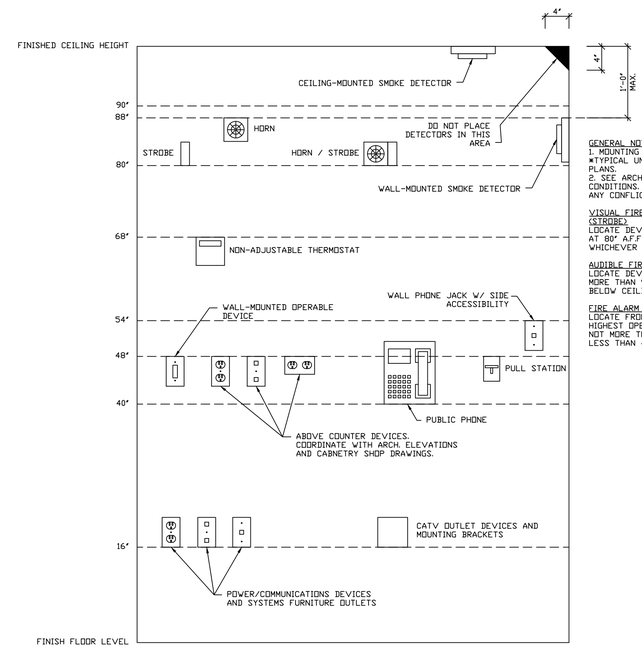
ELECTRICAL DEVICE SCHEDULE

$	PASS & SEYMOUR CSB20AC1 - SINGLE POLE SWITCH
$2	PASS & SEYMOUR CSB20AC2 - DOUBLE POLE SWITCH
$3	PASS & SEYMOUR CSB20AC3 - THREE WAY SWITCH
$4	PASS & SEYMOUR CSB20AC4 - FOUR WAY SWITCH
$D	2000 WATT SLIDE DIMMER SIMILAR TO LUTRON
$OC	PASS & SEYMOUR WSP200 OCCUPANCY SENSOR
$T	INTERMATIC FF60MHC COMMERCIAL SPRING WOUND TIMER
$M	PASS & SEYMOUR CSB20AC4 - GAS FURNACE CONNECTION
	PASS & SEYMOUR CR20 RECEPTACLE
	PASS & SEYMOUR CR20 QUAD
	PASS & SEYMOUR CR20 RECEPTACLE - MOUNT ABOVE BACKSPLASH
C	PASS & SEYMOUR CR20 RECEPTACLE FOR DEDICATED COPIER
CL	PASS & SEYMOUR CR20 RECEPTACLE CEILING MOUNTED
M	MICROWAVE OVEN CONNECTION AS REQUIRED
DW	DISH WASHER CONNECTION AS REQUIRED
FL	PASS & SEYMOUR CR20 RECEPTACLE W/ FLUSH MOUNTED COVER
WP	PASS & SEYMOUR CR20 WITH WEATHERPROOF COVER
TV	PASS & SEYMOUR CR20 FOR TV - HEIGHT DIRECTED BY OWNER A.F.F.
SM	PASS & SEYMOUR CR20 RECEPTACLE SURFACE MOUNTED WITH WIREMOLD METAL RACEWAYS AND BOXES. COLOR BY OWNER
H	PASS & SEYMOUR 8300 RECEPTACLE - HOSPITAL GRADE
T	PASS & SEYMOUR TR20 - TAMPER RESISTANT
IG	PASS & SEYMOUR 5352 TVSS/ISOLATED GROUND RECEPTACLE
G	PASS & SEYMOUR 2095T GFCI RECEPTACLE - TAMPER RESISTANT
G	PASS & SEYMOUR 2095T GFCI RECEPTACLE - MOUNT ABOVE BACKSPLASH
WP G	PASS & SEYMOUR 2095T GFCI RECEPTACLE W/ WEATHERPROOF COVER
R	PASS & SEYMOUR 3890 OR 3894 50 AMP FLUSH MOUNTED RANGE RECEPTACLE COORDINATE WITH OWNER EQUIPMENT
D	PASS & SEYMOUR 3860 OR 3864 30 AMP FLUSH MOUNTED DRYER RECEPTACLE COORDINATE WITH OWNER EQUIPMENT
	2 GANG COMBO DATA/VOICE W/ 1" CONDUIT TO ACCESSIBLE CEILING
	SINGLE GANG BOX W/ 3/4" CONDUIT TO ATTIC AREA - 16" ABOVE CEILING
V	SINGLE GANG BOX W/ 3/4" CONDUIT TO ATTIC AREA - 16" ABOVE CEILING MOUNT AT +50" A.F.F.
T	2 GANG TV OUTLET BOX WITH 3/4" CONDUIT TO ACCESSIBLE CEILING
TTB	TELEPHONE TERMINAL BOARD LOCATION E.C. TO PROVIDE AND INSTALL 48"X48" 3/4" PLYWOOD WALL MOUNTED
G	GARBAGE DISPOSAL CONNECTION
F	FURNACE BY M.C. WIRED BY E.C.
M	MOTOR CONNECTION AS NOTED BY E.C.
C	PASS & SEYMOUR CSD1000 DUAL TECHNOLOGY CEILING OCCUPANCY SENSOR WITH PWP2110 120 VOLT POWER PACK AS REQUIRED
	EXHAUST FAN - CONTROLLED AS SHOWN.

ELECTRICAL DEVICE NOTES:

1. COLOR OF DEVICES AS SELECTED BY THE OWNER.
2. WALL PLATES SHALL BE PASS & SEYMOUR THERMOSET PLASTIC - STANDARD SIZE.
3. FIELD COORDINATE DEVICE LOCATION WITH ARCHITECTURAL CASEWORK DRAWINGS.
4. DEVICES AS LISTED OR APPROVED EQUALS.



GENERAL NOTES:
1. MOUNTING HEIGHTS SHOWN IN THIS DETAIL ARE *TYPICAL UNLESS OTHERWISE NOTED ON THE PLANS.
2. SEE ARCHITECTURAL ELEVATIONS FOR SPECIAL CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS.

VISUAL FIRE ALARM NOTIFICATION DEVICES (STROBE)
LOCATE DEVICE SO THE BOTTOM OF THE DEVICE IS AT 80" A.F.F. (NFPA) OR 6" BELOW CEILING, WHICHEVER IS LOWER (ADA 1993).

AUDIBLE FIRE ALARM NOTIFICATION DEVICES (HORN)
LOCATE DEVICE SO THAT THE TOP OF UNIT IS NOT MORE THAN 90" A.F.F. AND NOT LESS THAN 6" BELOW CEILING (NFPA)

FIRE ALARM ACTIVATION DEVICES (PULL STATION)
LOCATE FRONT-APPROACH DEVICES SO THAT THE HIGHEST OPERABLE PORTION OF THE DEVICE IS NOT MORE THAN 48" A.F.F (ADA 1993) AND NOT LESS THAN 42" A.F.F. (NFPA).

POWER/COMMUNICATION DEVICES:
OUTLETS SHALL BE LOCATED AT 16" A.F.F. TO THE BOTTOM OF THE BOX. ABOVE COUNTER DEVICES SHALL BE LOCATED AT 2" ABOVE THE BACKSPLASH OF THE COUNTER TO THE BOTTOM OF THE DEVICES. VERIFY WITH ARCHITECTURAL DETAILS.

WALL-MOUNTED OPERABLE DEVICES:
OPERABLE DEVICES SHALL BE LOCATED AT 48" A.F.F. TO THE TOP OF THE OPERABLE PORTION OF THE DEVICE. WALL-MOUNTED TELEPHONE JACKS WITH SIDE ACCESSIBILITY MAY BE MOUNTED UP TO 54" A.F.F.

WALL-MOUNTED OPERABLE DEVICES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING: ADJUSTABLE THERMOSTATS LIGHT SWITCHES, DIMMERS; CONTROLS, ETC. PUSH BUTTONS OTHER CONTROL OR "CALL" DEVICES

ELECTRICAL MOUNTING HEIGHT SCHEDULE
SCALE: NONE

GENERAL NOTES:

1. ALL CONTRACTORS AND SUB-CONTRACTORS SHALL REVIEW ALL DRAWINGS FOR WORK PERFORMED BY THAT CONTRACTOR.
2. ALL WALLS INDICATED ON THE ARCHITECTURAL PLANS AS FIRE RATED SHALL BE PROPERLY FIRE CAULKED FOR ALL PENETRATIONS.

2014 INDIANA BUILDING CODE
(IBC 2012 EDITION - WITH INDIANA AMENDMENTS)
2014 INDIANA FIRE CODE
(IFC 2012 EDITION - WITH INDIANA AMENDMENTS)
2012 INDIANA PLUMBING CODE
(IPC 2006 EDITION - WITH INDIANA AMENDMENTS)
2014 INDIANA MECHANICAL CODE
(IMC 2012 EDITION - WITH INDIANA AMENDMENTS)
2010 INDIANA ENERGY CONSERVATION CODE
(ANSI/ASHRAE 90.1 - 2007 EDITION - WITH INDIANA AMENDMENTS)
2009 INDIANA ELECTRICAL CODE
(NEC 2008 EDITION - WITH INDIANA AMENDMENTS)

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E4.0

LIGHT FIXTURE SCHEDULE

MARK	MFG.	MODEL	DESCRIPTION	VOLTAGE	INPUT WATTS	LAMPS	REMARKS
'A'	RAB	EZPAN-2X2-30-N-D10	2'-0"x2'-0" EDGE-LIT LED PANEL WITH 0-10 VOLT DIMMING	120 VOLT	30 WATTS 3317 LUMENS	3000K	-
'B'	RAB	EZPAN-2X2-30-N-D10	2'-0"x2'-0" EDGE-LIT LED PANEL WITH 0-10 VOLT DIMMING	120 VOLT	30 WATTS 3317 LUMENS	4000K	-
'C'	DVI LIGHTING	LUCERNE MINI PENDANT	10" HIGH SATIN NICKEL FINISH WITH DOWN ROD	120 VOLT	4.5 WATTS 400 LUMENS	3000K 80CRI	CONTROLLED BY COMPATIBLE WALL MOUNTED DIMMER AT LOCATIONS SHOWN.
'D'	JUNO	JUNO HD COMMERCIAL TRAC & JUNO WALL WASH FLOOD	JUNO HD TRAC COMMERCIAL TRAC - 12'-0 LENGTH WITH 4 JUNO TRAC-MASTER 20 WATT LED WALL WASH/FLOOD #T258L	120 VOLT	20 WATTS EACH FLOOD	3000K 90CRI	CONTROLLED BY COMPATIBLE WALL MOUNTED DIMMER AT LOCATIONS SHOWN.
'D1'	JUNO	JUNO HD COMMERCIAL TRAC & JUNO WALL WASH FLOOD	JUNO HD TRAC COMMERCIAL TRAC - 8'-0 LENGTH WITH 2 JUNO TRAC-MASTER 20 WATT LED WALL WASH/FLOOD #T258L	120 VOLT	20 WATTS EACH FLOOD	3000K 90CRI	CONTROLLED BY COMPATIBLE WALL MOUNTED DIMMER AT LOCATIONS SHOWN.
'EM'	LITHONIA	ELM2-LED-SD	QUANTUM THERMOPLASTIC EMERGENCY LIGHT. WHITE IN COLOR WITH SELF-DIAGNOSTICS	120 VOLT	3.0 WATTS	2 - 1.5W 3.6V WHITE LED	-
'EXM'	LITHONIA	LHQM-LED-R-SD	QUANTUM THERMOPLASTIC EXIT/UNIT COMBO WITH SELF-DIAGNOTICS. WHITE IN COLOR.	120 VOLT	3.0 WATTS	2 - 1.5W 9.6V WHITE LED	-
'EX'	LITHONIA	#LQM-R-W-3-R-120/277 -ELN-SD	QUANTUM THERMOPLASTIC EXIT UNIT WITH SELF-DIAGNOTICS. WHITE IN COLOR.	120 VOLT	3.0 WATTS	2 - 1.5W 9.6V WHITE LED	-
'F'	MARK LIGHTING	WHSPR-LCTR-2X4-4800LM -40K-80CRI-MINI-120-SWC	2'-0"x4'-0" RECESSED FIXTURE WITH LUMINOUS CENTER	120 VOLT	41 WATTS	4000K 80CRI	CONTROLLED BY COMPATIBLE WALL MOUNTED DIMMER AT LOCATIONS SHOWN.
'F1'	MARK LIGHTING	WHSPR-LCTR-2X4-4000LM -40K-80CRI-MINI-120-SWC	2'-0"x4'-0" RECESSED FIXTURE WITH LUMINOUS CENTER	120 VOLT	34 WATTS	4000K 80CRI	CONTROLLED BY COMPATIBLE WALL MOUNTED DIMMER AT LOCATIONS SHOWN.
'G'	MARK LIGHTING	WHSPR-LCTR-2X2-3300LM -30K-80CRI-MINI-120-SWC	2'-0"x2'-0" RECESSED FIXTURE WITH LUMINOUS CENTER	120 VOLT	30 WATTS	3000K 80CRI	CONTROLLED BY COMPATIBLE WALL MOUNTED DIMMER AT LOCATIONS SHOWN.
'H'	MARK LIGHTING	WHSPR-LCTR-2X2-4000LM -30K-80CRI-MINI-120-SWC	2'-0"x2'-0" RECESSED FIXTURE WITH LUMINOUS CENTER	120 VOLT	36 WATTS	3000K 80CRI	CONTROLLED BY COMPATIBLE WALL MOUNTED DIMMER AT LOCATIONS SHOWN.
'I'	-	USE ALLOWANCE OF $150.00 FOR LIGHT FIXTURE	MOUNTED OVER BUILT IN DESK WITH SWITCH.	120 VOLT	-	4000K 80CRI	-
'J'	LITHONIA	6BPBN LED MODULE LC6LEDT24 ROUGH IN	6" BAFFLE LED MODULE, BRUSHED NICKEL	120 VOLT	16.7 WATTS	3000K 93CRI	-

LIGHT FIXTURE NOTES:

1. ALL LIGHT FIXTURES SHALL BE DLC CERTIFIED.
2. SPECIFIED UNITS ARE BY LITHONIA. RAB, AND MARK ACCEPTED ALTERNATES BY CREE, RAB, & COLUMBIA.
3. FIELD VERIFY EXISTING VOLTAGE FOR ALL EXISTING LIGHTING CIRCUITS PRIOR TO ORDERING FIXTURES.
4. DIMMING LIGHT FIXTURES SPECIFIED HAVE 0-10 VOLT DIMMING AND WILL REQUIRE ADDITIONAL WIRE FOR DIMMING CONTROL. PROVIDE AND INSTALL ADDITIONAL WIRE FOR DIMMING CONTROL AS REQUIRED.

ELECTRIC BASEBOARD HEATER SCHEDULE

MARK	MFG.	MODEL	HEATING-ELECTRIC KW	VOLTAGE	OPTIONS
EBB-1	MARLEY	CBD507 - 28" LENGTH	500 WATTS / 1.8 AMPS	277 VOLT / 1 PHASE	1,2
EBB-2	MARLEY	CBD1007 - 46" LENGTH	1,000 WATTS / 3.6 AMPS	277 VOLT / 1 PHASE	1,2
EBB-3	MARLEY	CBD1507 - 70" LENGTH	1,500 WATTS / 5.4 AMPS	277 VOLT / 1 PHASE	1,2

PTAC OPTIONS:

1. PROVIDE AND INSTALL #HBBT2 THERMOSTAT
2. VERIFY VOLTAGE BEFORE ORDERING ANY UNITS.

GENERAL MEP NOTE:

PLUMBING, MECHANICAL, AND ELECTRICAL CONTRACTORS TO ENSURE COORDINATION OF EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH STATE, COUNTY, CITY BUILDING REGULATIONS AND CODES AS WELL AS INDUSTRY STANDARD PRACTICE. THESE REQUIREMENTS ARE CONSIDERED PART OF THE PLANS AND SPECIFICATIONS AND SHALL PREVAIL SHOULD THEY DIFFER FROM THE PLANS AND SPECIFICATIONS. PRIOR TO BID SUBMISSION, THE CONTRACTOR SHOULD DIRECT THE ENGINEER'S ATTENTION TO ANY DISCREPANCY. SHOULD THE PRIME CONTRACTOR NOT SO NOTIFY THE ENGINEER, THE CONTRACTORS SHALL FULLY COMPLY WITHOUT CLAIM FOR EXTRA COSTS. REFER TO DRAWINGS FOR GOVERNING BUILDING CODES.

GENERAL NOTES:

1. ALL CONTRACTORS AND SUB-CONTRACTORS SHALL REVIEW ALL DRAWINGS FOR WORK PERFORMED BY THAT CONTRACTOR.
2. ALL WALLS INDICATED ON THE ARCHITECTURAL PLANS AS FIRE RATED SHALL BE PROPERLY FIRE CAULKED FOR ALL PENETRATIONS.

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E4.1