

# TOWN OF GLASTONBURY

GL-2023-12

## FIRE HOUSE IMPROVEMENTS

ADDENDUM NO. 4

NOVEMBER 9, 2022

Bid Due Date: 11-17-22 @ 11:00 A.M.

The attention of bidders submitting proposals for the above-referenced project is called to the following Addendum to the specifications. The items set forth herein, whether of omission, addition, substitution or other change, are all to be included in and form a part of the proposed Contract Documents for the work. Bidders shall acknowledge this Addendum on the Bid Proposal Page (Attachment 1).

**Question 1:** *DEMO PLAN ON A 101 – No MEP drawings , so all MEP demo by owner ?*

**Answer:** See Drawings E1, M1, PL1, FP1

**Question 2:** *FLOOR PLAN ON A 101 – Provide the size of the CMU*

**Answer:** 8” x 16”

**Question 3:** *FLOOR PLAN ON A 101 – Note on drawing is CMU to Roof/floor deck above, provide height of this partition and detail of the condition where the CMU meets the roof deck Does all the CMU partitions go to the roof / Floor deck above?*

**Answer:** Partition goes to deck where shown. 11’ 2”

**Question 4:** *FLOOR PLAN ON A 101 – Tile - - Shower Surround, floor and wainscot provide manufacturer and type and color - , price and availability vary for each manufacture and color group?*

**Answer:** Comfort Designs #XST3838TR.75 4P LBAR includes trench shower drain by Shower mfg. Color TBD.

**Question 5:** *There is no information on the plans for the MEP – There are New wall partitions and new plumbing fixture locations and demo of existing MEP required , the walls and floors will need to be opened and patched back with new pipe rough in and the walls will require MEP rough in , provide a MEP drawing detailing what is to be included for the bidders to carry the cost for these items in the bid*

**Answer:**  
See Question 1

**Question 6:** *Please verify that only the new masonry walls that are shown more lightly shaded than the rest of the walls on drawing A-101 are required to extend to the floor deck above.*

**Answer:** See Question 2

**Question 7:** *Please clearly define the extent of the electrical work the contractor is responsible for.*

**Answer:** See Drawing E1

**Question 8:** *Please clearly define the extent of the HVAC work the contractor is responsible for.*

**Answer:** See Drawing M1

**Question 9:** *Please clearly define the extent of the sprinkler work the contractor is responsible for.*

**Answer:** See Drawing FP1

**Question 10:** *If the MEP related questions above are to be addressed to the Owner per note On A-101, please forward them to the appropriate individuals, or supply the contact information of those individuals we are to send our RFIs to.*

**Answer:** See Question 1

**Question 11:** *There are notes on the drawings stating to see Station #1 & 2's documents for Plumbing & Lighting Fixture types and product numbers. Please advise where we can find these documents.*

**Answer:** Disregard Notes referencing Stations #1 & 2.

**Question 12:** *There are no MEP drawings as part of the construction documents. Are the MEPs part of a separate contract? If not, please advise as to where we can find MEP information and drawings.*

**Answer:** See Question 1

**Question 13:** *Are MEP drawing going to be provided for this project?*

**Answer:** See Question 1

**Question 14:** *This note appears at the bottom right on page A-101 - "Plumbing & Light Fixtures: See Station 1 & 2 Documents For All Fixture Types, Manufacturers & Product #'S" Could we get a copy of the Stations 1 & 2 fixture schedules?*

**Answer:** See Question 11

**Question 15:** *The demo scope on drawing A-101 does not indicate demolition of existing ceramic floor tile in the locker rooms. Are we to install new tile over existing tile?*

**Answer:** Existing floor tile to be removed.

**Question 16:** *The elevations on drawing A-601 indicate tile wainscot. The hatch marks match the 2"x2" ceramic tile base. However, the finish schedule on drawing A-101 indicates a 6"x6" tile. Which is correct?*

**Answer:** 6" x 6" tile

**Question 17:** *Drawing A-101 Locker room Finish Schedule indicates that there is a base bid & deduct for the tile wainscot. Please clarify what is the base bid scope and what is the deduct scope?*

**Answer:** Wainscot is included in base bid

**Question 18:** *Is there a specification for the epoxy flooring that is the deduct alt for this project?*

**Answer:** Epoxy flooring is not in scope

**Question 19:** *Please provide a specification for the Penco lockers.*

**Answer:** Penco, Vanguard or equal

**Question 20:** *What is the new ceiling height?*

**Answer:** 9'-0"

**Question 21:** *Any as-builts drawings with MEP layouts?*

**Answer:** See Question 1

**Question 22:** *What thickness and edges should we consider for the quartz countertops?*

**Answer:** 1 ¼" with polished edge, Irish Mist

**Question 23:** *Can you provide a power plan for this project or is the electrician to engineer the build?*

**Answer:** See Drawing E1

**Question 24:** *Can you provide detailed photos of the existing electrical distribution system (IE electrical panels, metering equipment, MDP)*

**Answer:** See Drawing E1, verify in field

**Question 25:** *Can you provide guidance on preferred light fixture types and any other preferred electrical devices.*

**Answer:** See Drawing E1

**Question 26:** *Can you please provide more specification of the epoxy flooring?*

**Answer:** See Question 18

**Question 27:** *Is there a basis of design for the epoxy floor system?*

**Answer:** See Question 18

**Question 28:** *Do you know if ALL ceiling heights are available or a RCP that can be set forth (a) MEP involved / exposed height [if any] and, (b) GB soffits / ceiling (HARD) to be painted?*

**Answer:** See Drawing E1

**Question 29:** *Is there any trim to be painted?*

**Answer:** No

**Question 30:** *Are all doors and frames to be painted?*

**Answer:** Yes

**Question 31:** *Is the DECON room to be painted?*

**Answer:** No

**Question 32:** *Is a spec for the epoxy paint to be utilized available.*

**Answer:** Benjamin Moore Corotech Command – Color TBD

**Question 33:** *Has the owner or architect determined paint colors yet? If so, please advise.*

**Answer:** Color TBD from standard palette.

**Question 34:** *Is a reflected ceiling plan available to show MEPs or soffits within the ceilings?*

**Answer:** See Drawings E1 and M1

**Question 35:** *Please clearly define the extent of the plumbing work the contractor is responsible for.*

**Answer:** See Drawings M1, E1, PL1 and FP1

**Question 36:** *Can you please confirm the height of the CMU walls that are going to the deck/structure above?*

**Answer:** See question 3

**Question 37:** *Will the Town require engineered/stamped drawings from each MEP subcontractor, or will that be waived?*

**Answer:** Waived

**Question 38:** *Please confirm that the owner is supplying all ceiling light fixtures per notes on drawing. If not, please provide quantities and part numbers (or basis of design) for all required lights so we can get lighting package pricing from our distributors.*

**Answer:** See Drawing E1

**Question 39:** *How many lights are being removed during demo?*

**Answer:** See Drawing E1

**Question 40:** *In reference to addendum 3, Question 6 - Wiring and switching of lights by EC. For material and labor purposes, how many new fixtures will need to be installed and wired?*

**Answer:** See Drawing E1

**Question 41:** *In reference to addendum 3, Question 9 - Please provide part number (or basis of design) of desired vanity light fixtures to be supplied and installed by EC.*

**Answer:** See Drawing E1

**Question 42:** *In reference to addendum 3, Question 10 – Are the occupancy sensors to be wall mounted type or pad mounted in the ceiling?*

**Answer:** See Drawing E1

**Question 43:** *In reference to addendum 3, Question 11 – Please confirm the intention is to have the bathroom vanity lights come on at the same time as the ceiling lights, controlled by the same occupancy sensor. (Confirm separate occupancy sensor for vanity lights is not required.)*

**Answer:** Vanity and ceiling lights on same sensor

**Question 44:** *In reference to addendum 3, Question 12 – We are assuming 1 GFCI receptacle next to the sinks in each bathroom. Is each GFCI to be wired on its own dedicated homerun circuit back to the panel, or is it permissible to tie in to existing shared circuits in the area?*

**Answer:** See Drawing E1

**Question 45:** *Please confirm that there will only be one receptacle next to the sink in each bathroom, and nowhere else in the locker rooms/bathrooms.*

**Answer:** See Drawing E1

**Question 46:** *Three “surface mounted heating units” are indicated on the drawings. Are these hydronic or electric? If electric, are they owner supplied/EC to install, or EC to supply and install? Please provide part number (or basis of design), and circuiting requirements for each heater.*

**Answer:** See Drawings E1, M1

**Question 47:** *Electric hand dryers in both bathrooms are supplied by owner, installed by EC per drawings. Please provide part number and circuiting requirements.*

**Answer:** Excel Dryer Xleratoreco XL-BW-ECO

**Question 48:** *There are notes on A-101 regarding “existing building drawings provided by owner”, and references to drawings for Stations 1 and 2 in regard to lighting. Can you provide the MEP drawings for the existing buildings and drawings for Stations 1 and 2 for reference?*

**Answer:** See Question 11

**Question 49:** *Is there any scope of work regarding the fire alarm system? If so, please specify and include contact information for existing fire alarm vendor at each building.*

**Answer:** See Drawing E1

**Question 50:** *Is there any scope of work regarding emergency lights or exit signs? If so, please specify.*

**Answer:** See Drawing E1

**Question 51:** *Is there any scope of work regarding emergency call-for-aid pull chain switches in the ADA bathroom stalls or shower areas? If so, please specify.*

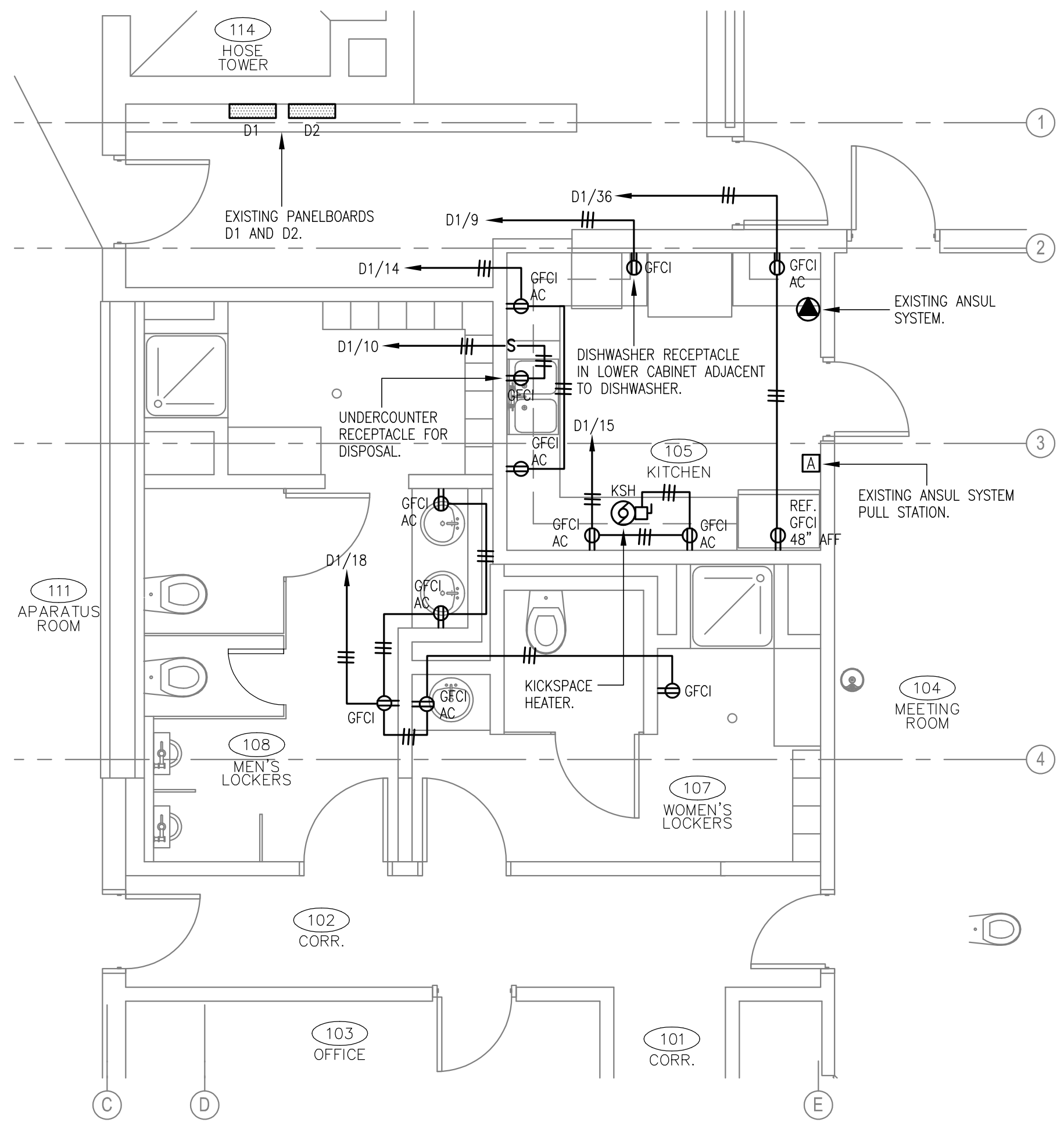
**Answer:** See Drawing E1

**Question 52:** *MEP drawings have not been supplied with the bid package. Will the Town require engineered/stamped drawings from each MEP subcontractor, or will that be waived?*

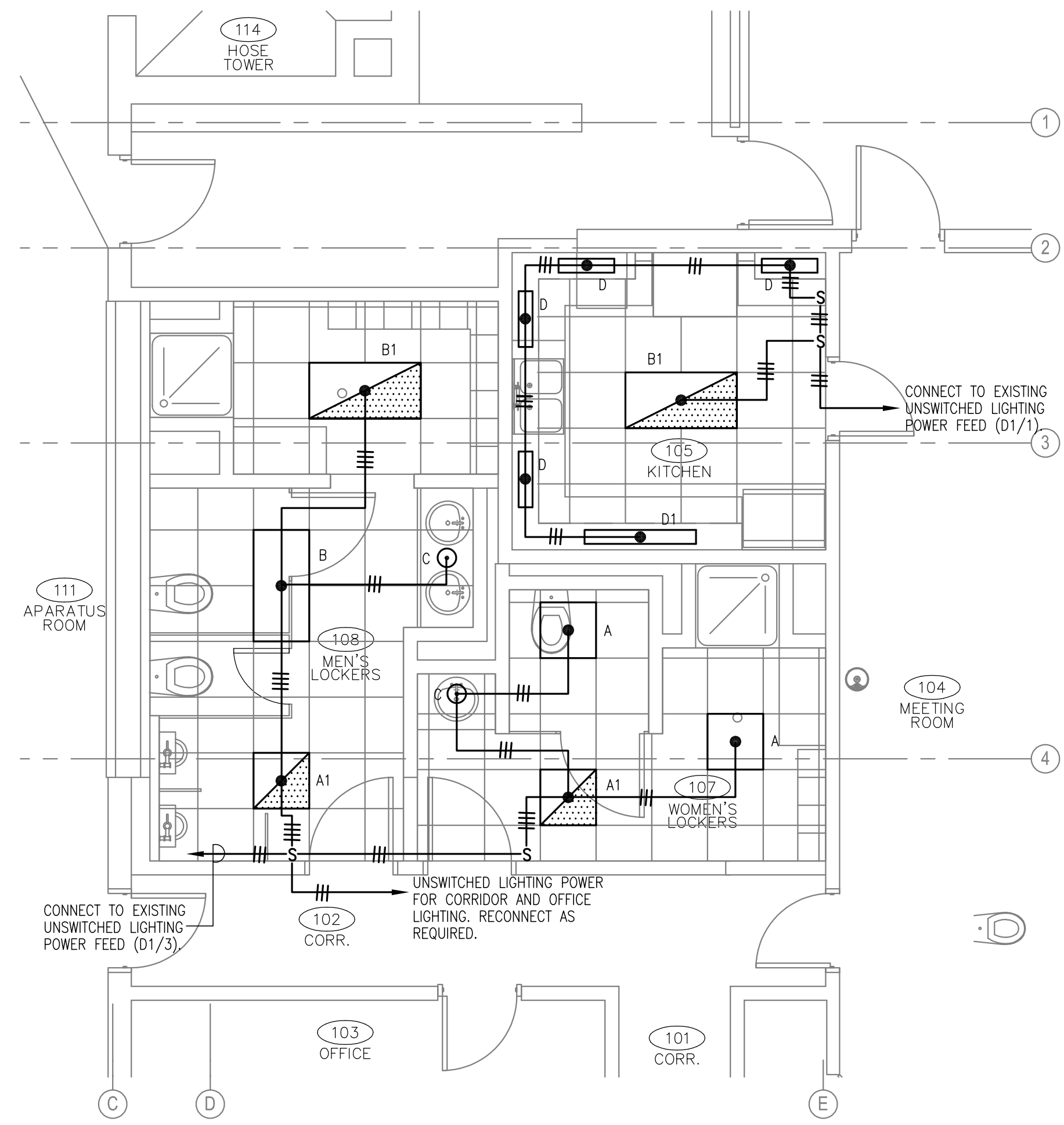
**Answer:** See Question 37

**Question 53:** *For labor and recycling fee estimates, how many lights are being removed during demo?*

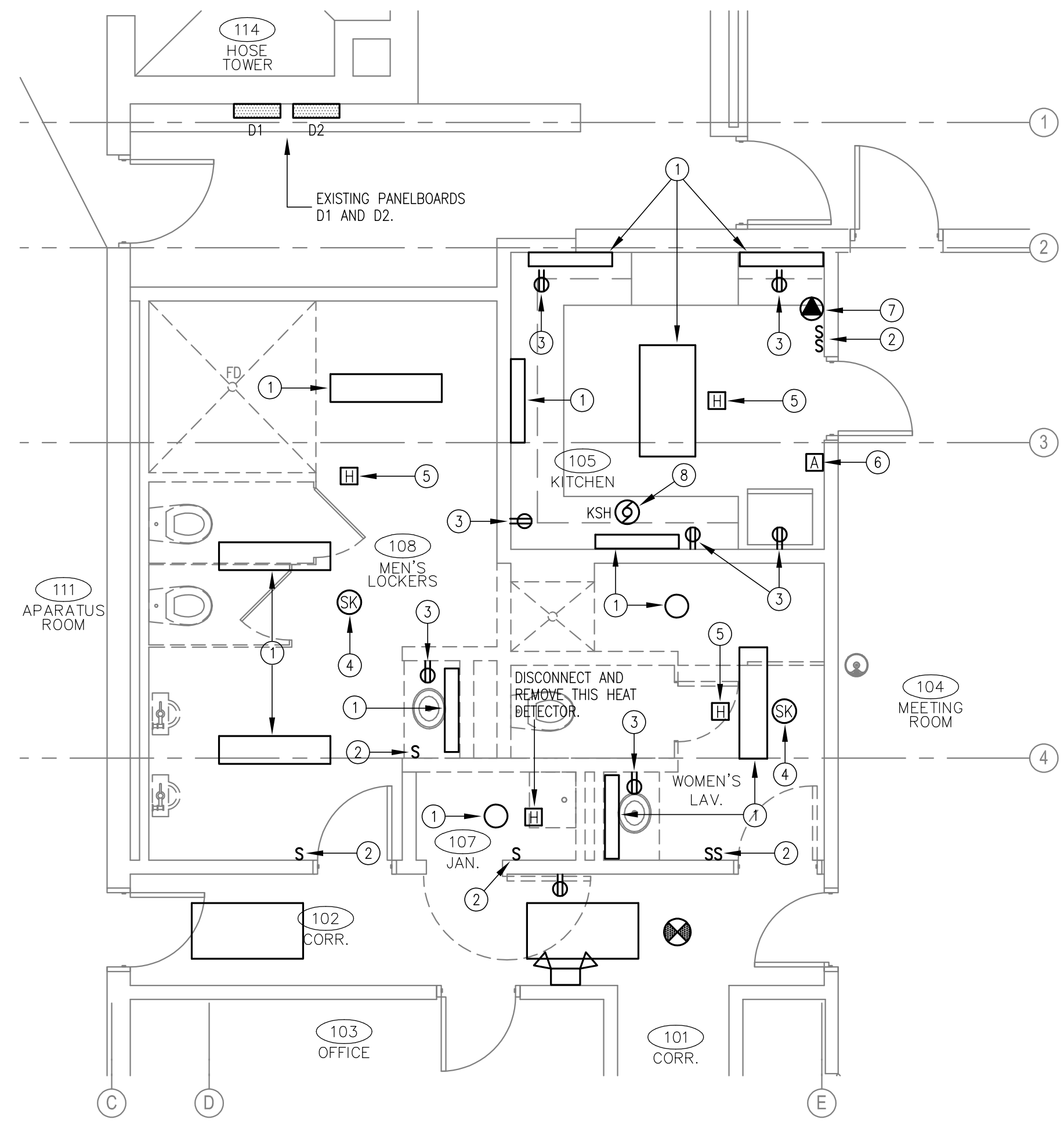
**Answer:** See Drawing E1



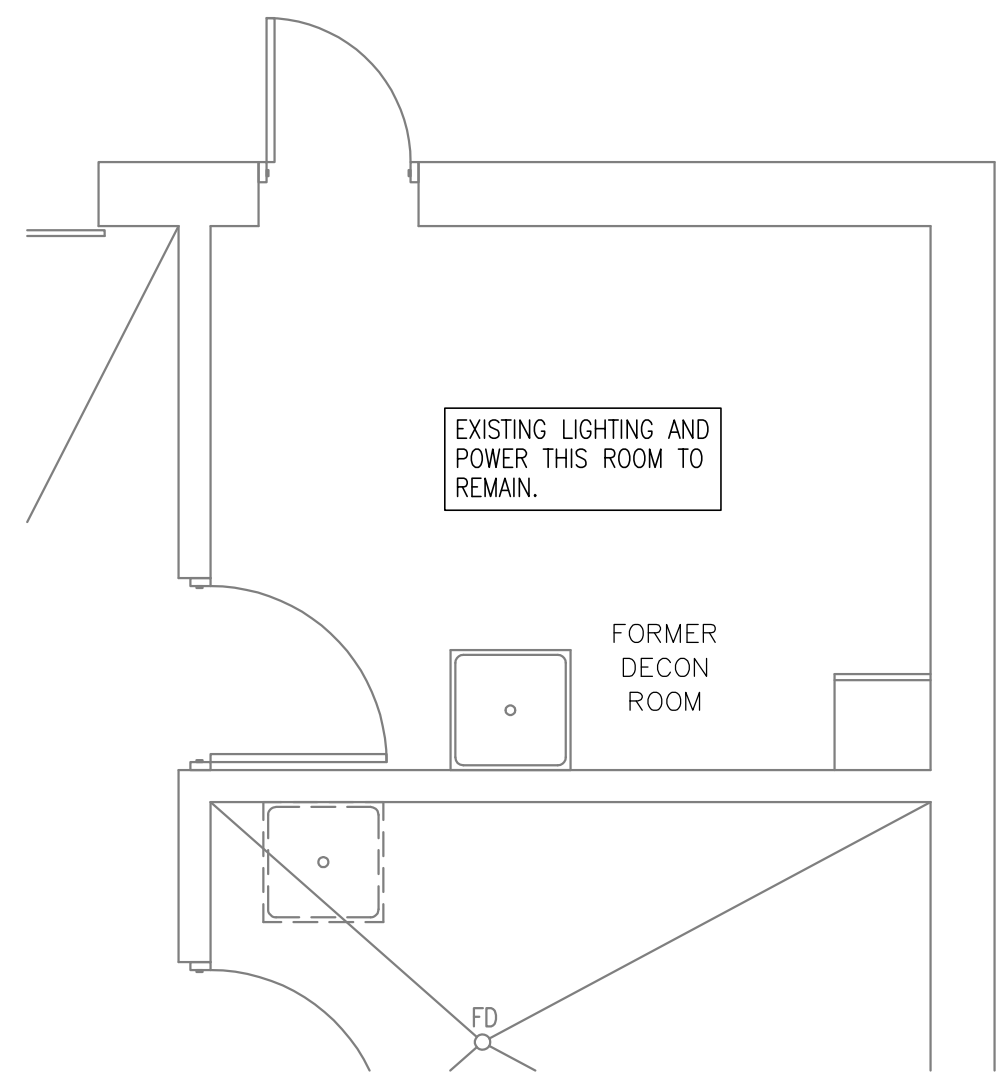
**LOCKER ROOMS PART PLAN - POWER**  
SCALE: 1/4"-1'-0"



**LOCKER ROOMS PART PLAN - LIGHTING**  
SCALE: 1/4"-1'-0"



**LOCKER ROOMS PART PLAN - DEMOLITION**  
SCALE: 1/4"-1'-0"



**FORMER DECON ROOM PART PLAN - DEMOLITION and NEW WORK**  
SCALE: 1/4"-1'-0"

- GENERAL SPECIFICATION NOTES - POWER**
- THE CONTRACTOR SHALL VERIFY AND OBTAIN ALL NECESSARY DIMENSIONS AT THE BUILDING.
  - FINISHED WORK: THE INTENT OF THE SPECIFICATIONS AND DRAWINGS IS TO CALL FOR FINISHED WORK, COMPLETED, TESTED AND READY FOR OPERATION.
  - GOOD PRACTICE: IT IS NOT INTENDED THAT THE DRAWINGS SHOW EVERY CONDUIT, JUNCTION BOX, FITTING OR MINOR DETAIL, AND IT IS UNDERSTOOD THAT WHILE THE DRAWINGS MUST BE FOLLOWED AS CLOSELY AS CIRCUMSTANCES WILL PERMIT, THE SYSTEMS SHALL BE INSTALLED ACCORDING TO THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS AND IN ACCORDANCE WITH GOOD PRACTICE.
  - ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT SHOWN ON DRAWINGS BUT MENTIONED IN SPECIFICATIONS OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT IN ALL RESPECTS AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
  - CODES AND STANDARDS - COMPLY WITH ALL FEDERAL, STATE AND LOCAL CODES AND STANDARDS WHEREVER APPLICABLE.
  - NOTE THAT THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF THE ELECTRICAL EQUIPMENT AND SYSTEMS, WITHOUT SHOWING EVERY DETAIL AND FITTING.
  - RACEWAYS AND CABLE: PROVIDE EMT CONDUIT FOR WIRING EXPOSED TO VIEW. EMT CONNECTORS AND COUPLINGS SHALL BE GALVANIZED STEEL SET-SCREW TYPE. PROVIDE TYPE MC CABLE FOR WIRING CONCEALED FROM VIEW WITHIN WALLS OR ABOVE CEILINGS. PROVIDE FLEXIBLE STEEL CONDUIT FOR FINAL CONNECTIONS TO MOTOR DRIVEN EQUIPMENT.
  - BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER, RATED 600 VOLTS, 90 DEG. C., COLOR CODED, TYPE THHN.
  - WIRE SIZE #8 AWG AND LARGER SHALL BE STRANDED. WIRE OF SIZE SMALLER THAN #8 AWG SHALL BE SOLID.
  - MINIMUM SIZE CONDUCTORS FOR POWER AND LIGHTING SHALL BE #12 AWG.
  - THE NUMBER OF WIRES IN A CONDUIT RUN IS INDICATED ON THE DRAWINGS BY CROSS LINES ON THE CONDUIT RUNS. PROVIDE CODE-SIZED CONDUIT FOR THE NUMBER AND SIZE OF WIRES UNLESS A LARGER SIZE IS SHOWN ON THE DRAWINGS. MINIMUM CONDUIT SIZE SHALL BE 3/4".
  - RACEWAYS SHALL BE CONCEALED WHEREVER POSSIBLE IN ALL FINISHED AREAS.
  - RACEWAYS SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES TO WALL LINES.
  - RACEWAYS SHALL BE SUPPORTED FROM THE STRUCTURE BY STRAP HANGERS, ROD HANGERS, OR RACK MOUNTED, OR OTHER APPROVED ELECTRICAL MOUNTING.
  - PROVIDE FIRE STOPPING AT ALL FIRE AND/OR SMOKE RATED WALL OR CEILING PENETRATIONS IN ORDER TO MAINTAIN ITS ORIGINAL INTEGRITY.
  - OUTLET BOXES SHALL BE CODE GAUGE GALVANIZED STEEL AND SHALL BE OF SHAPES AND SIZES TO SUIT THEIR RESPECTIVE LOCATIONS AND INSTALLATIONS, AND SHALL BE PROVIDED WITH COVERS TO SUIT THEIR FUNCTION AND INSTALLATION. MINIMUM BOX SIZE SHALL BE 4" SQ. X 2 1/8" DEEP (2-GANG). PROVIDE CAST BOXES FOR OUTDOOR WORK.
  - SET BOXES AND COVERS SQUARE AND TRUE WITH BUILDING FINISH.
  - WIRING DEVICES SHALL BE HEAVY DUTY COMMERCIAL SPECIFICATION GRADE, MINIMUM 20A RATING.
  - BRANCH CIRCUIT WIRING AND ARRANGEMENT OF HOME RUNS HAS BEEN DESIGNED FOR MAXIMUM ECONOMY CONSISTENT WITH ADEQUATE SIZING FOR VOLTAGE DROPS, CIRCUIT AMPACITIES, AND OTHER CONSIDERATIONS. INSTALL THE WIRING WITH CIRCUITS ARRANGED AS SHOWN ON THE DRAWINGS, EXCEPT AS APPROVED IN ADVANCE BY THE ARCHITECT AND ENGINEER. DO NOT MAKE CHANGES WITHOUT PRIOR APPROVAL.
  - PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR EACH 120V SINGLE PHASE CIRCUIT. DO NOT USE A COMMON NEUTRAL FOR GROUPS OF CIRCUITS. PROVIDE A SEPARATE GROUND WIRE FOR EACH CIRCUIT BACK TO THE RESPECTIVE PANEL GROUND. IF MORE THAN 3 CURRENT CARRYING CONDUCTORS ARE INSTALLED IN ONE CONDUIT THEY SHALL BE DE-RATED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. DO NOT INSTALL MORE THAN THREE 30 AMP SINGLE PHASE OR FOUR 20 AMP SINGLE PHASE CIRCUITS IN THE SAME CONDUIT.

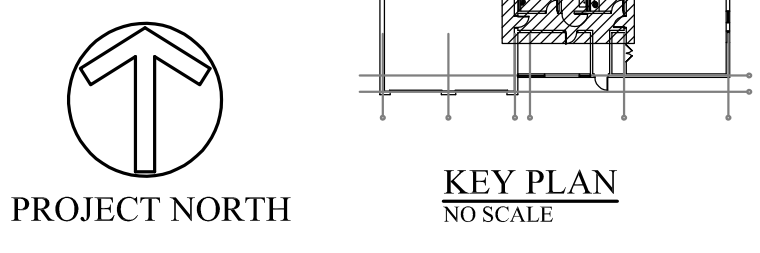
**LIGHT FIXTURE SCHEDULE**

TYPE	MANUFACTURE AND MODEL	LAMP	LENS/REFLECTOR	MOUNTING	REMARKS
A	COLUMBIA #LJ722-35MLG-FSA12125-EU	LED'S, 3365 LUMENS, 3500°K, 80 CRI	1.25" THICK PRISMATIC ACRYLIC LENS	RECESSED/CEILING	-
A1	COLUMBIA #LJ722-35MLG-FSA12125-EU-ELL14	LED'S, 3365 LUMENS, 3500°K, 80 CRI	1.25" THICK PRISMATIC ACRYLIC LENS	RECESSED/CEILING	EMERGENCY BATTERY PACK
B	COLUMBIA #LJ724-35MWC-FSA12125-EU	LED'S, 3888 LUMENS, 3500°K, 80 CRI	1.25" THICK PRISMATIC ACRYLIC LENS	RECESSED/CEILING	-
B1	COLUMBIA #LJ724-35MWC-FSA12125-EU-ELL14	LED'S, 3888 LUMENS, 3500°K, 80 CRI	1.25" THICK PRISMATIC ACRYLIC LENS	RECESSED/CEILING	EMERGENCY BATTERY PACK
C	PRESCOLITE #LFR-4RD-M-10L3K8-VNR-DM1/LFR-4RD-T-VNR-SS-WT/LFR-4RD-H	LED'S, 1000 LUMENS, 3500°K, 80 CRI	SEMI-SPECULAR CLEAR REFLECTOR	RECESSED/CEILING	-
D	COLUMBIA #CUC2-CS-ED120	LED'S, 943 LUMENS, 3500°K, 80 CRI	CURVED POLYCARBONATE LENS	UNDERCABINET	-
D1	COLUMBIA #CUC3-CS-ED120	LED'S, 1211 LUMENS, 3500°K, 80 CRI	CURVED POLYCARBONATE LENS	UNDERCABINET	-

- DEMOLITION WORK NOTES**
- GENERAL
    - PRIOR TO SUBMITTING BID, VISIT THE SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK TO BE PERFORMED. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY EXPERIENCED OBSERVERS. INCLUDE IN THE BID ALL DEMOLITION WORK REQUIRED.
    - THE DEMOLITION DRAWINGS ARE INTENDED ONLY TO DEFINE THE GENERAL SCOPE OF DEMOLITION WORK AND TO ASSIST THE CONTRACTOR DURING BIDDING. THE DEMOLITION DRAWINGS MAY NOT SHOW EVERY ITEM WHICH MUST BE DISCONNECTED, REMOVED, OR RELOCATED IN ORDER TO FACILITATE NEW WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED WHETHER OR NOT SHOWN ON THE PLANS.
    - DEMOLITION WORK SHALL BE COORDINATED WITH CONSTRUCTION PHASING SO THAT EXISTING PORTIONS OF THE BUILDING REMAIN FULLY ACTIVE AND FUNCTIONAL UP UNTIL THE TIME SUCH AREAS ARE TURNED OVER TO THE CONTRACTOR FOR RENOVATION WORK.
    - COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER TO MINIMIZE INCONVENIENCE TO THE BUILDING OCCUPANTS. ALL SERVICES AND SYSTEMS SHALL BE MAINTAINED IN OPERATION DURING THE REGULAR WORK DAY. ALL LIFE SAFETY SYSTEMS SHALL BE MAINTAINED IN FULLY OPERATIONAL CONDITION UNTIL THE NEW SYSTEMS HAVE BEEN INSTALLED, TESTED, AND APPROVED.
    - REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK AS NECESSARY FOR COORDINATION WITH THE WORK OF OTHER TRADES.
    - MECHANICAL EQUIPMENT SHALL BE REMOVED UNDER OTHER DIVISIONS OF THIS CONTRACT. EQUIPMENT SHALL BE DISCONNECTED UNDER THIS DIVISION.
    - EXISTING ELECTRICAL EQUIPMENT, WIRING, AND RACEWAYS SHALL NOT BE REUSED UNLESS SPECIFICALLY NOTED OTHERWISE.
    - REMOVE ALL DEMOLITION MATERIAL FROM THE JOB SITE UNLESS THE OWNER WANTS TO RETAIN ANY SUCH MATERIAL FOR HIS USE. MATERIAL REQUESTED BY THE OWNER FOR SALVAGE SHALL BE DELIVERED TO THE OWNER'S DESIGNATED MATERIAL STORAGE AREA.
    - PROVIDE AND INSTALL BLANK STAINLESS STEEL COVER PLATES OVER ANY EXISTING FLUSH OUTLET BOXES WHICH ARE TO BE ABANDONED IN PLACE.
    - PROVIDE WIRING AS REQUIRED AND RECONNECT EXISTING FIXTURES, DEVICES, OR EQUIPMENT THAT ARE TO REMAIN ACTIVE, BUT HAVE BEEN DISCONNECTED DURING DEMOLITION OF OTHER FIXTURES, DEVICES, OR EQUIPMENT.
    - EXISTING FLUORESCENT LAMPS SHALL BE DISPOSED OF IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS FOR MERCURY DISPOSAL. LAMPS SHALL BE PLACED IN APPROVED CONTAINERS AND SHALL BE REMOVED FROM THE SITE FOR PROPER DISPOSAL. THE DISPOSAL CONTRACTOR SHALL BE FULLY INSURED AND SHALL ADHERE TO ALL FEDERAL, STATE, AND LOCAL LAWS PERTAINING TO HANDLING AND DISPOSAL OF HAZARDOUS MATERIALS. THE ELECTRICAL CONTRACTOR SHALL INCLUDE THE COST OF LAMP DISPOSAL IN HIS BID.

**- ELECTRICAL DEMOLITION WORK NOTES -**

TAG	ACTION
1	DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED BRANCH CIRCUIT WIRING INCLUDING CONDUIT, BOXES, AND CONDUCTORS BACK TO UNSWITCHED SOURCE.
2	DISCONNECT AND REMOVE EXISTING LIGHT SWITCH(ES) AND ASSOCIATED SWITCH LEG WIRING INCLUDING CONDUIT, BOXES, AND CONDUCTORS.
3	DISCONNECT AND REMOVE EXISTING RECEPTACLE(S) AND ASSOCIATED BRANCH CIRCUIT WIRING INCLUDING CONDUIT, BOXES, AND CONDUCTORS BACK TO SOURCE.
4	DISCONNECT, REMOVE, AND REINSTALL EXISTING CEILING SPEAKER AS REQUIRED FOR RENOVATIONS. PROVIDE WIRING AND CONNECTIONS AS NECESSARY.
5	DISCONNECT, REMOVE, AND REINSTALL EXISTING HEAT DETECTOR AS REQUIRED FOR RENOVATIONS. PROVIDE WIRING AND CONNECTIONS AS NECESSARY.
6	DISCONNECT, REMOVE, AND REINSTALL EXISTING ANSUL SYSTEM PULL STATION AS REQUIRED FOR RENOVATIONS. PROVIDE WIRING AND CONNECTIONS AS NECESSARY.
7	EXISTING ANSUL SYSTEM TO REMAIN.
8	EXISTING HYDRONIC KICKSPACE HEATER TO BE REMOVED AND REINSTALLED AS REQUIRED FOR INSTALLATION OF NEW CABINETS. RETAIN EXISTING POWER FEED AND DISCONNECT AND RECONNECT AND NECESSARY.



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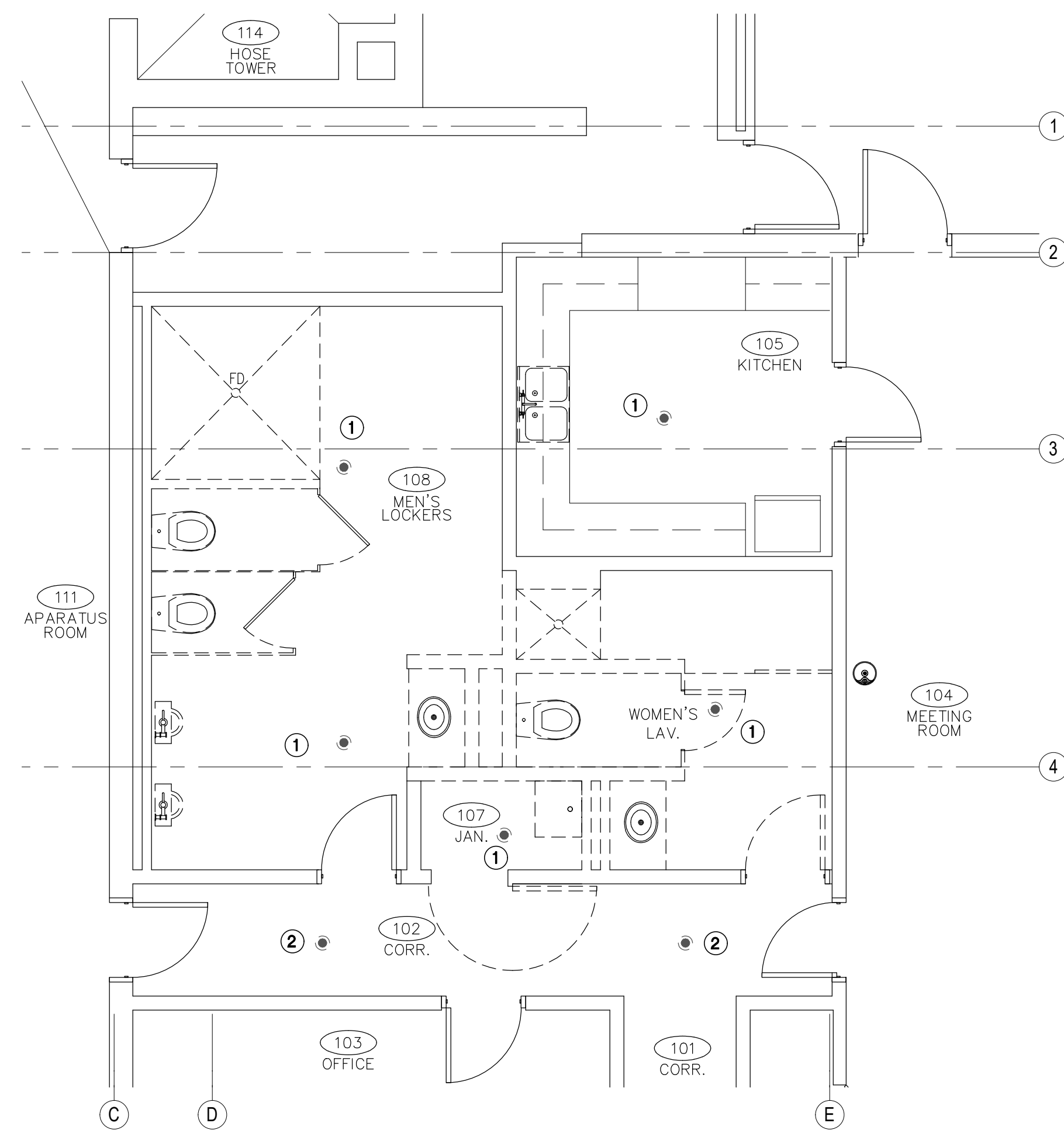
**GLASTONBURY FIRE HOUSES #3&4  
IMPROVEMENTS**  
TOWN OF GLASTONBURY, CONNECTICUT 06033

**BEMIS ASSOCIATES, L.L.C.**  
Consulting Engineers  
185 Main Street  
Farmington, CT 06031  
Phone: (860) 667-3233  
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www.bemisassociates.com

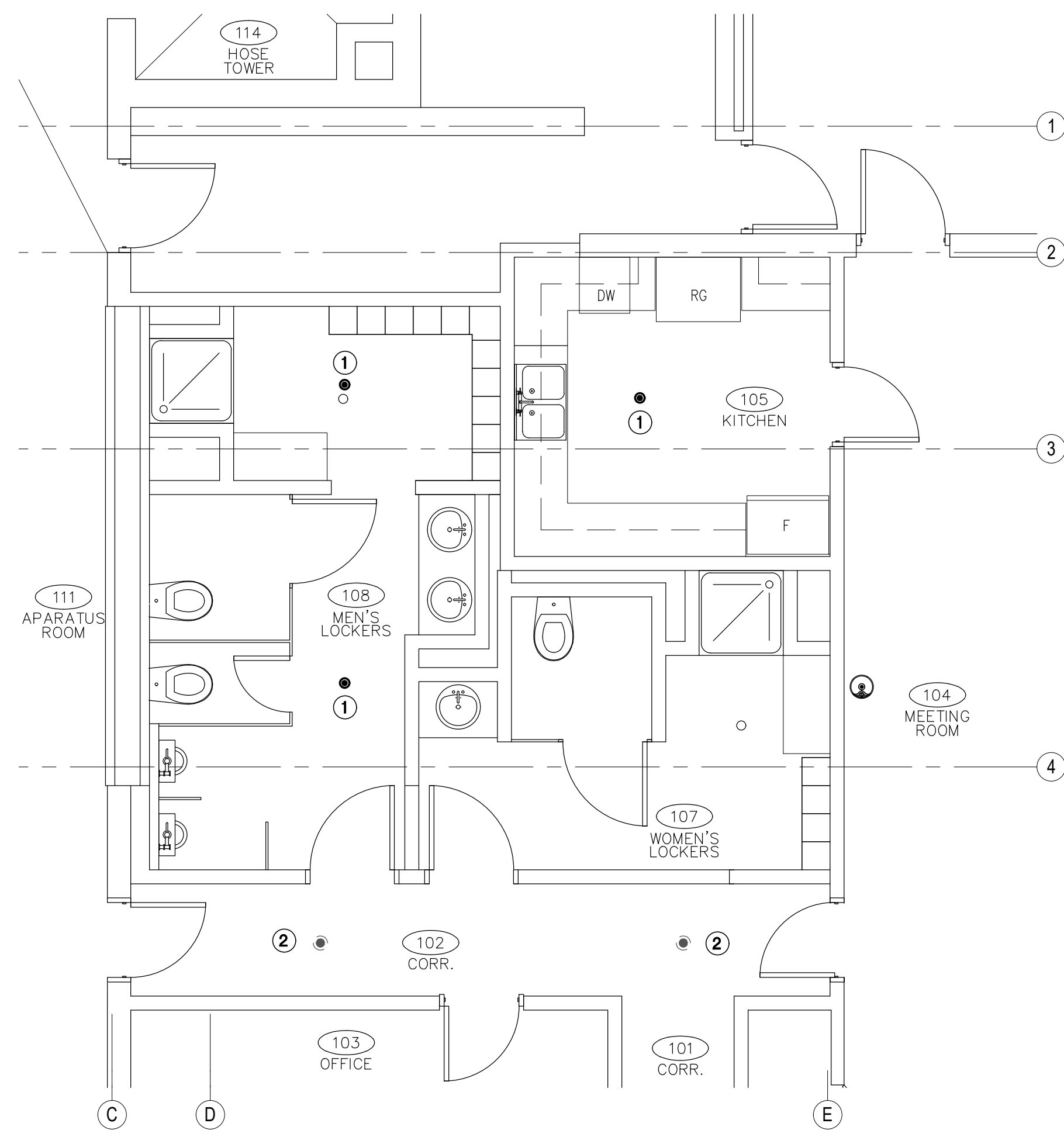
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**FIRE HOUSE #4  
ELECTRICAL PLAN**

DATE 11/03/2022

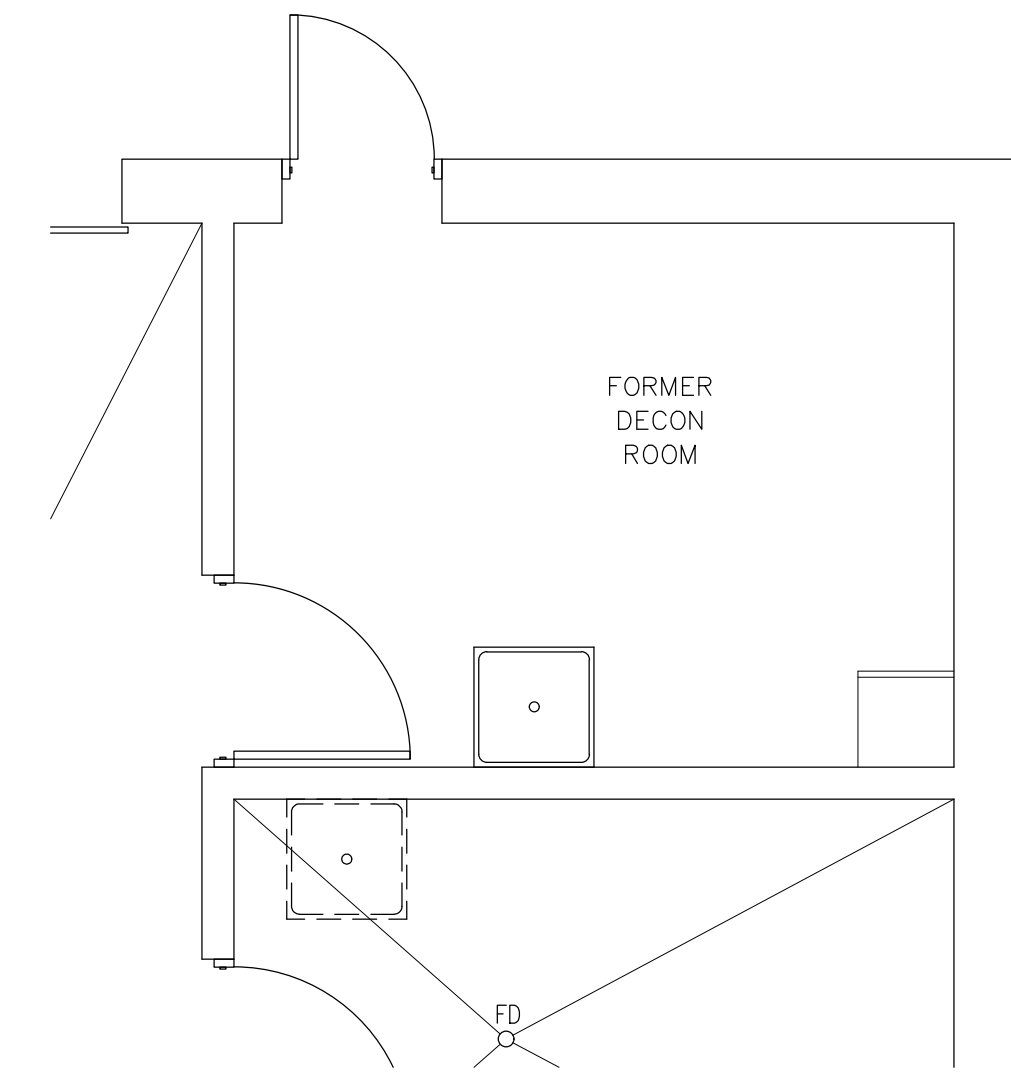
DWG. NO.  
**E1**



**LOCKER ROOMS PART PLAN - DEMOLITION**  
SCALE: 1/4"=1'-0"



**LOCKER ROOMS PART PLAN - NEW WORK**  
SCALE: 1/4"=1'-0"



**FORMER DECON ROOM PART PLAN - DEMOLITION and NEW WORK**  
SCALE: 1/4"=1'-0"

**GENERAL DEMOLITION NOTES**

- 1 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITY LINES INCLUDING ELECTRICAL, SEWER, WATER, GAS, TELEPHONE, ETC. THE DRAWINGS SHOW DIAGRAMMATICALLY THE APPROXIMATE LOCATION OF UTILITIES WHERE INFORMATION IS AVAILABLE, BUT THE DRAWINGS ARE NOT EXACT AS TO THE QUANTITY, EXTENT OR LOCATION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING ALL PHASES OF THE WORK TO LOCATE, IDENTIFY, AND PROTECT EXISTING UTILITIES. THE CONTRACTOR SHALL RECORD RECORD LOCATION OF AND REPAIR DAMAGE TO EXISTING UTILITIES WHICH ARE ENCOUNTERED AS A RESULT OF WORK UNDER THIS CONTRACT.
- 2 - COORDINATE ALL DEMOLITION WORK WITH THE REQUIREMENTS OF THE NEW SCOPE OF WORK.

**FIRE PROTECTION DEMOLITION WORK NOTES**

- 1 - PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT THE SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK TO BE PERFORMED. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY EXPERIENCED OBSERVERS. INCLUDE IN THE BID ALL DEMOLITION WORK REQUIRED.
- 2 - THE DEMOLITION DRAWINGS ARE INTENDED ONLY TO DEFINE THE GENERAL SCOPE OF DEMOLITION WORK AND TO ASSIST THE CONTRACTOR DURING BIDDING. THE DEMOLITION DRAWINGS MAY NOT SHOW EVERY ITEM WHICH MUST BE DISCONNECTED, REMOVED, OR RELOCATED IN ORDER TO FACILITATE NEW WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED WHETHER OR NOT SHOWN ON THE PLANS.
- 3 - COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER TO MINIMIZE INCONVENIENCE TO THE BUILDING OCCUPANTS. ALL SERVICES AND SYSTEMS SERVING OCCUPIED AREAS OF THE BUILDING SHALL BE MAINTAINED IN OPERATION DURING WORKING SHIFTS. ALL LIFE SAFETY SYSTEMS SERVING OCCUPIED AREAS OF THE BUILDING SHALL BE MAINTAINED IN FULL OPERATIONAL CONDITION.
- 4 - CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY WORK REQUIRED TO KEEP THE BUILDING OCCUPIED AND REMAINING SPRINKLER SYSTEM ACTIVE DURING CONSTRUCTION. ANY REQUIRED COST FOR FIRE WATCH SHALL BE INCLUDED IN CONTRACTOR'S SCOPE OF WORK.
- 5 - REMOVE ALL EXISTING FIRE PROTECTION AS NECESSARY FOR THE PERFORMANCE OF THE WORK OF THIS CONTRACT.
- 6 - EXISTING SPRINKLERS AND PIPING SHALL NOT BE REUSED UNLESS SPECIFICALLY NOTED OTHERWISE.
- 7 - REMOVE ALL DEMOLITION MATERIAL FROM THE JOB SITE UNLESS NOTED DIFFERENTLY.
- 8 - CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING SPRINKLER PIPING AND VERIFY PIPE SIZES.

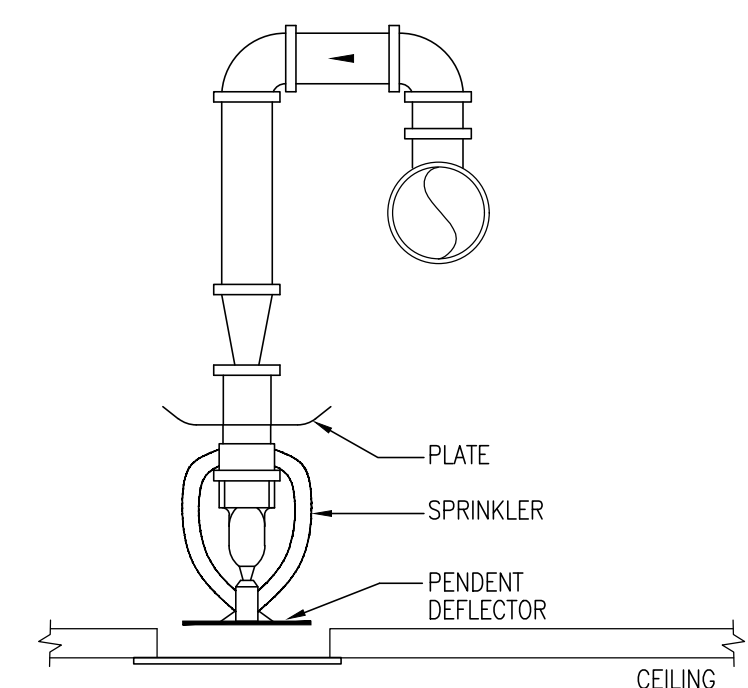
- FIRE PROTECTION DEMOLITION WORK SYMBOLS -	
TAG	ACTION
①	EXISTING PENDANT SPRINKLER SHALL BE REMOVED AND REPLACED. TEMPORARILY CAP REMAINING FOR FUTURE CONNECTION. NEW SPRINKLER SHALL HAVE SAME K FACTOR.
②	EXISTING PENDANT SPRINKLER SHALL BE REMAIN

**FIRE PROTECTION - GENERAL NOTES:**

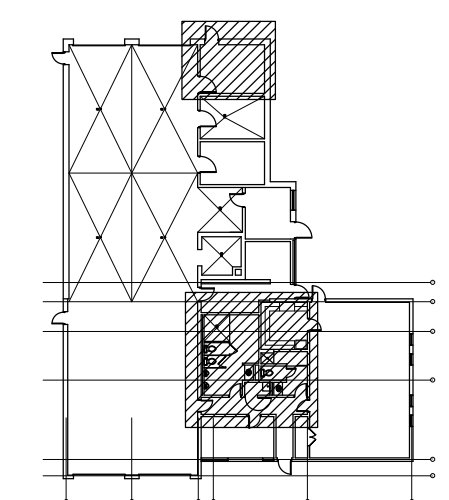
1. FIRE PROTECTION SYSTEM HAS BEEN DESIGNED AND SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE STANDARDS OF THE NATIONAL FIRE CODES, PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION. SYSTEM SHALL BE DESIGNED FOR LIGHT HAZARD OCCUPANCY, UNLESS OTHERWISE INDICATED ON DRAWINGS.
2. ALL HANGERS AND SUPPORTS SHALL BE INSTALLED AND LOCATED IN ACCORDANCE WITH NFPA 13.
3. SPRINKLERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13.
4. SPRINKLER SYSTEMS SHALL BE SEISMICALLY BRACED IN ACCORDANCE WITH NFPA 13.
5. SPRINKLER LOCATIONS SHOWN FOR REFERENCE ONLY. INSTALL SPRINKLERS IN ACCORDANCE WITH NFPA 13 REQUIREMENTS. COORDINATE SPRINKLER LOCATIONS WITH CEILING GRID. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.
6. PROVIDE SWING JOINTS ON ALL PENDENT SPRINKLERS. CENTER IN CEILING TILE BIDIRECTIONAL.
7. A FIELD VISIT AND FAMILIARIZATION WITH ALL EXISTING CONDITIONS AND ALL NEW TRADE WORK IS A PREREQUISITE FOR PROPOSAL SUBMISSION.
8. ALL MATERIALS AND WORK SHALL FULLY MEET THE REQUIREMENTS OF NFPA, ALL APPLICABLE STATE AND LOCAL CODES AND INSURANCE UNDERWRITER.
9. DRAWINGS ARE DIAGRAMMATIC AND ONLY INTENDED TO SHOW THE GENERAL ARRANGEMENT AND EXTENT OF WORK TO BE PERFORMED. THE LOCATIONS GIVEN ARE APPROXIMATE AND SUBJECT TO MODIFICATIONS AS MAY BE FOUND NECESSARY TO MEET ANY STRUCTURAL OR JOB CONDITIONS. THE CONTRACTOR SHALL VISIT THE JOB SITE TO VERIFY ALL FIELD CONDITIONS.
10. SIGNED AND SEALED SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE SUBMITTED FOR REVIEW TO THE INSURANCE UNDERWRITER, FIRE MARSHAL, AND ENGINEER IN THAT ORDER. ALL COMMENTS TO BE ADDRESSED AND RESOLVED PRIOR TO COMMENCEMENT OF WORK.
11. CONTRACTOR SHALL PERFORM FLOW TEST TO USE WITH HIS HYDRAULIC CALCULATIONS

- FIRE PROTECTION DEMOLITION WORK SYMBOLS -	
TAG	ACTION
①	NEW CONCEALED SPRINKLER. RECONNECT TO EXISTING. CONTRACTOR SHALL FIELD VERIFY LOCATION
②	EXISTING CONCEALED SPRINKLER.

FIRE PROTECTION SYMBOL LIST		
SYMBOL	ABRV.	DESCRIPTION
⊙		NEW SPRINKLER
⊙		EXISTING SPRINKLER



**CONCEALED SPRINKLER DETAIL**  
SCALE: NONE



**KEY PLAN**  
NO SCALE

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**GLASTONBURY FIRE HOUSES #3&4**  
**IMPROVEMENTS**

TOWN OF GLASTONBURY, CONNECTICUT 06033

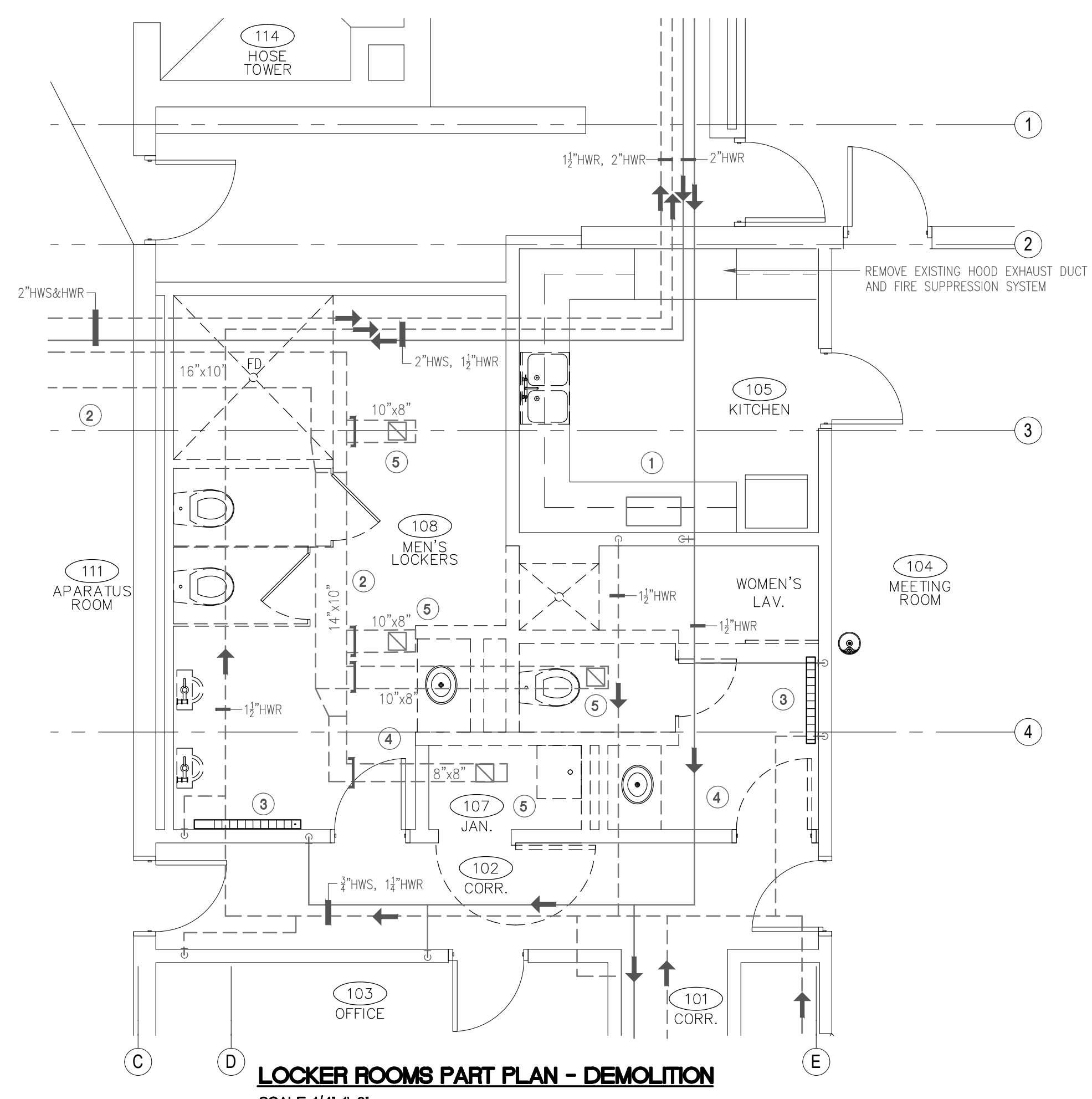
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TITLE  
**CONTRACT AREAS**  
**PART PLANS**  
**FIRE PROTECTION**  
**DEMOLITION and**  
**NEW WORK**

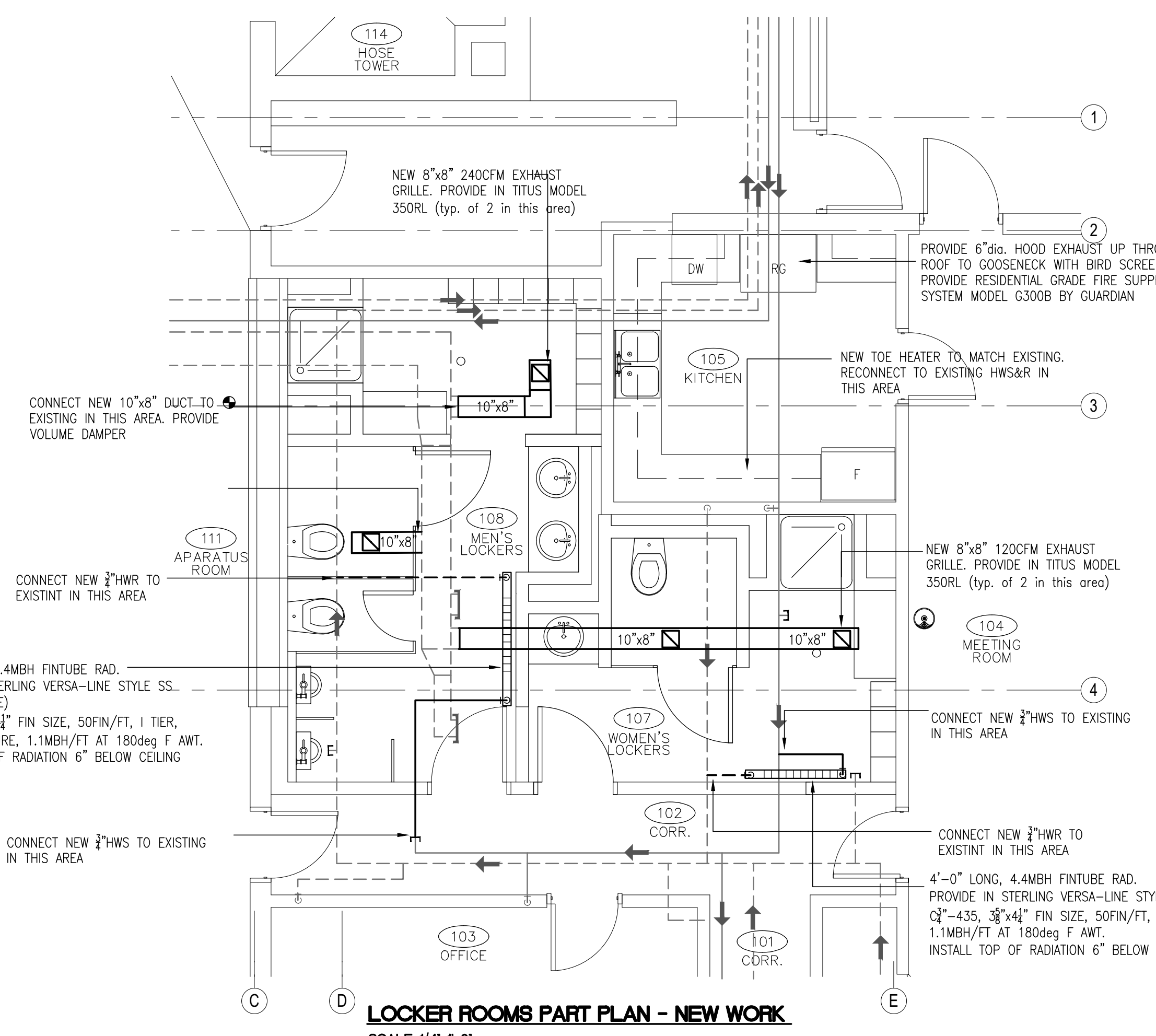
DATE 11/03/2022

DWG. NO.  
**FP1**





**LOCKER ROOMS PART PLAN - DEMOLITION**  
SCALE: 1/4"=1'-0"



**LOCKER ROOMS PART PLAN - NEW WORK**  
SCALE: 1/4"=1'-0"

**GENERAL DUCTWORK NOTES:**

1. ALL DUCT CONNECTIONS TO EQUIPMENT SHALL BE FLEX CONNECTION TYPE. CONTRACTOR SHALL USE MAX. 5'-0" FLEX DUCT.
2. INSTALL UNITS WITH CLEARANCE FOR SERVICE.
3. ALL DUCTWORK LOCATED IN THE UNCONDITIONED SPACE SHALL BE WRAPPED WITH 1-1/2" THICK FIBERGLASS INSULATION FOR AN R-8 VALUE, UNLESS OTHERWISE SPECIFIED.
4. PROVIDE VOLUME DAMPERS WITH LOCKING QUADRANTS AT ALL TAKEOFFS DAMPERS IN DUCTS 12" AND MORE SHALL BE MULTIBLADE TYPE.
5. ALL DUCT SHOWN HATCHED SHALL BE LINED. DUCT SIZES ARE CLEAR INSIDE DIMENSION.
6. DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK, NOT EXACT EQUIPMENT LOCATION. ALL CONTRACTORS MUST COORDINATE EQUIPMENT LOCATIONS WITH OTHER TRADES BEFORE WORK BEGINS. DUCT PENETRATIONS AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL AND STRUCTURAL PLANS.
7. THE LOCATION OF ALL DIFFUSERS, REGISTERS AND GRILLES SHALL BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.
8. ALL DUCTWORK ELBOWS ARE TO BE FULL RADIUS OR SQUARED WITH TURNING VANES.
9. HVAC EQUIPMENT AND DUCTS SHALL NOT BE USED FOR TEMPORARY HEATING COOLING OR VENTILATION

**GENERAL DEMOLITION NOTES**

- 1 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITY LINES INCLUDING ELECTRICAL, SEWER, WATER, GAS, TELEPHONE, ETC. THE DRAWINGS SHOW DIAGRAMMATICALLY THE APPROXIMATE LOCATION OF UTILITIES WHERE INFORMATION IS AVAILABLE, BUT THE DRAWINGS ARE NOT EXACT AS TO THE QUANTITY, EXTENT OR LOCATION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING ALL PHASES OF THE WORK TO LOCATE, IDENTIFY, AND PROTECT EXISTING UTILITIES. THE CONTRACTOR SHALL RECORD RECORD LOCATION OF AND REPAIR DAMAGE TO EXISTING UTILITIES WHICH ARE ENCOUNTERED AS A RESULT OF WORK UNDER THIS CONTRACT.
- 2 - ANY EQUIPMENT REMOVED DURING DEMOLITION WORK MAY BE RETAINED BY THE OWNER AT HIS OPTION. ANY SUCH MATERIAL SHALL BE STORED IN THE BUILDING AT A LOCATION DESIGNATED BY THE OWNER. REMOVAL OF SUCH MATERIAL FROM THE JOB SITE SHALL BE THE OWNER'S RESPONSIBILITY.
- 3 - CONTRACTOR SHALL MEASURE AND RECORD EXISTING HOT WATER WATER FLOW PRIOR TO DEMOLITION
- 4 - CONTRACTOR SHALL MEASURE AND RECORD EXISTING AIR FLOW AND PRESSURE DROP PRIOR TO DEMOLITION
- 5 - THIS CONTRACTOR IS RESPONSIBLE FOR PROTECTION EXISTING FINISHES, FURNITURE AND EQUIPMENT DURING CONSTRUCTION.

**MECHANICAL DEMOLITION WORK NOTES**

- 1 - PRIOR TO SUBMITTING BID, VISIT THE SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK TO BE PERFORMED. CONTRACTOR SHALL MEASURE, RECORD AND SUBMIT AIR AND WATER FLOWS PRIOR TO COMMENCING ANY DEMOLITION WORK. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY EXPERIENCED OBSERVERS. INCLUDE IN THE BID ALL DEMOLITION WORK REQUIRED.
- 2 - THE DEMOLITION DRAWINGS ARE INTENDED ONLY TO DEFINE THE GENERAL SCOPE OF DEMOLITION WORK AND TO ASSIST THE CONTRACTOR DURING BIDDING. THE DEMOLITION DRAWINGS MAY NOT SHOW EVERY ITEM WHICH MUST BE DISCONNECTED, REMOVED, OR RELOCATED IN ORDER TO FACILITATE NEW WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED WHETHER OR NOT SHOWN ON THE PLANS.
- 3 - COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER TO MINIMIZE INCONVENIENCE TO THE BUILDING OCCUPANTS. ALL SERVICES AND SYSTEMS SERVING OCCUPIED AREAS OF THE BUILDING SHALL BE MAINTAINED IN OPERATION DURING WORKING SHIFTS.
- 4 - CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY WORK REQUIRED TO KEEP THE BUILDING OCCUPIED DURING CONSTRUCTION.
- 5 - REMOVE ALL DEMOLITION MATERIAL FROM THE JOB SITE UNLESS NOTED DIFFERENTLY.
- 6 - CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF EXISTING MECHANICAL EQUIPMENT IN CONTRACT AREA.

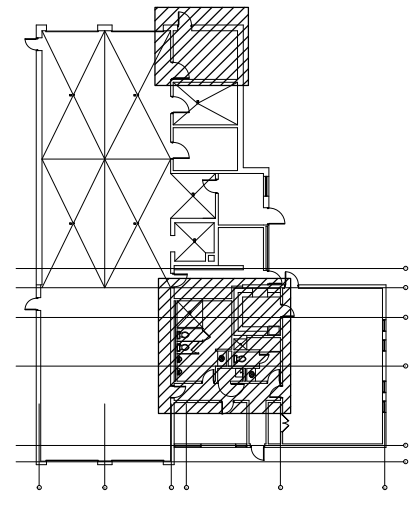
**MECHANICAL - DUCTWORK - GENERAL NOTES**

1. LUBRICATE, REPLACE BELTS AND RE-BALANCE EXHAUST FAN SERVING THE CONTRACT AREA.
2. CLEAN AND DISINFECT EXHAUST DUCT ASSOCIATED WITH SYSTEM SERVING THE CONTRACT AREA.
3. DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK NOT EXACT EQUIPMENT LOCATION. ALL CONTRACTORS SHALL COORDINATE EQUIPMENT LOCATIONS WITH OTHER TRADES BEFORE WORK BEGINS.

**- MECHANICAL / ELECTRICAL DEMOLITION WORK SYMBOLS -**

KEY NOTES DESCRIBE IN GENERAL THE SCOPE OF EQUIPMENT REMOVED. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH NEW WORK PLANS PRIOR TO REMOVING THE ITEM.

TAG	ACTION
①	REMOVE AND REPLACE IN KIND EXISTING TOE HEATER. CONTRACTOR SHALL FIELD VERIFY MODEL
②	DUST CLEAN AND DISINFECT EXISTING EXHAUST DUCT
③	REMOVE EXISTING RADIATION AND ASSOCIATED PIPES. CAP AT MAIN. PATCH TO MATCH.
④	REMOVE EXISTING THERMOSTAT
⑤	REMOVE EXISTING EXHAUST REGISTER AND ASSOCIATED BRANCH DUCT. CAP AND SEAL AT MAIN DUCT TRUNK.



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**GLASTONBURY FIRE HOUSES #3&4 IMPROVEMENTS**

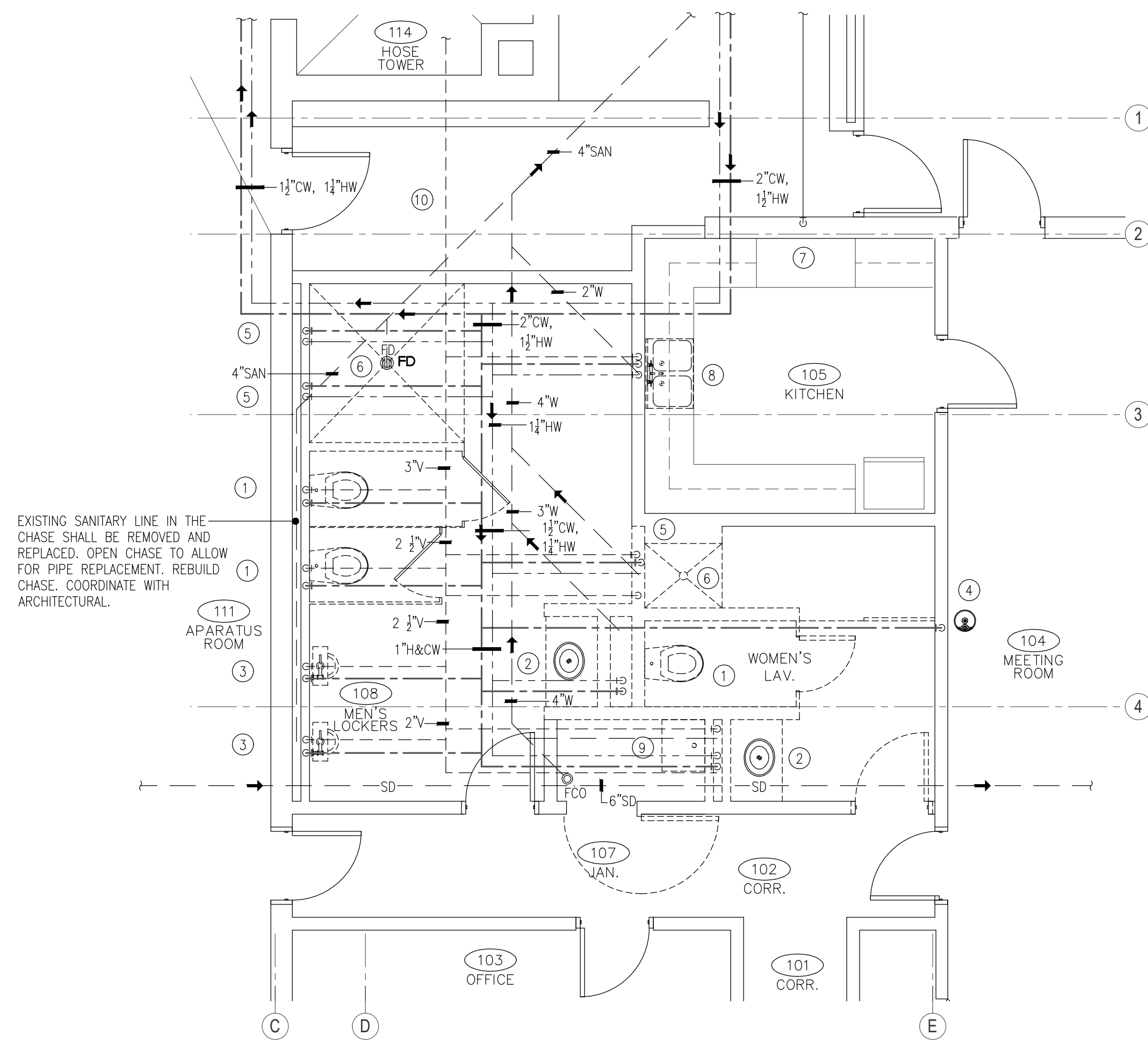
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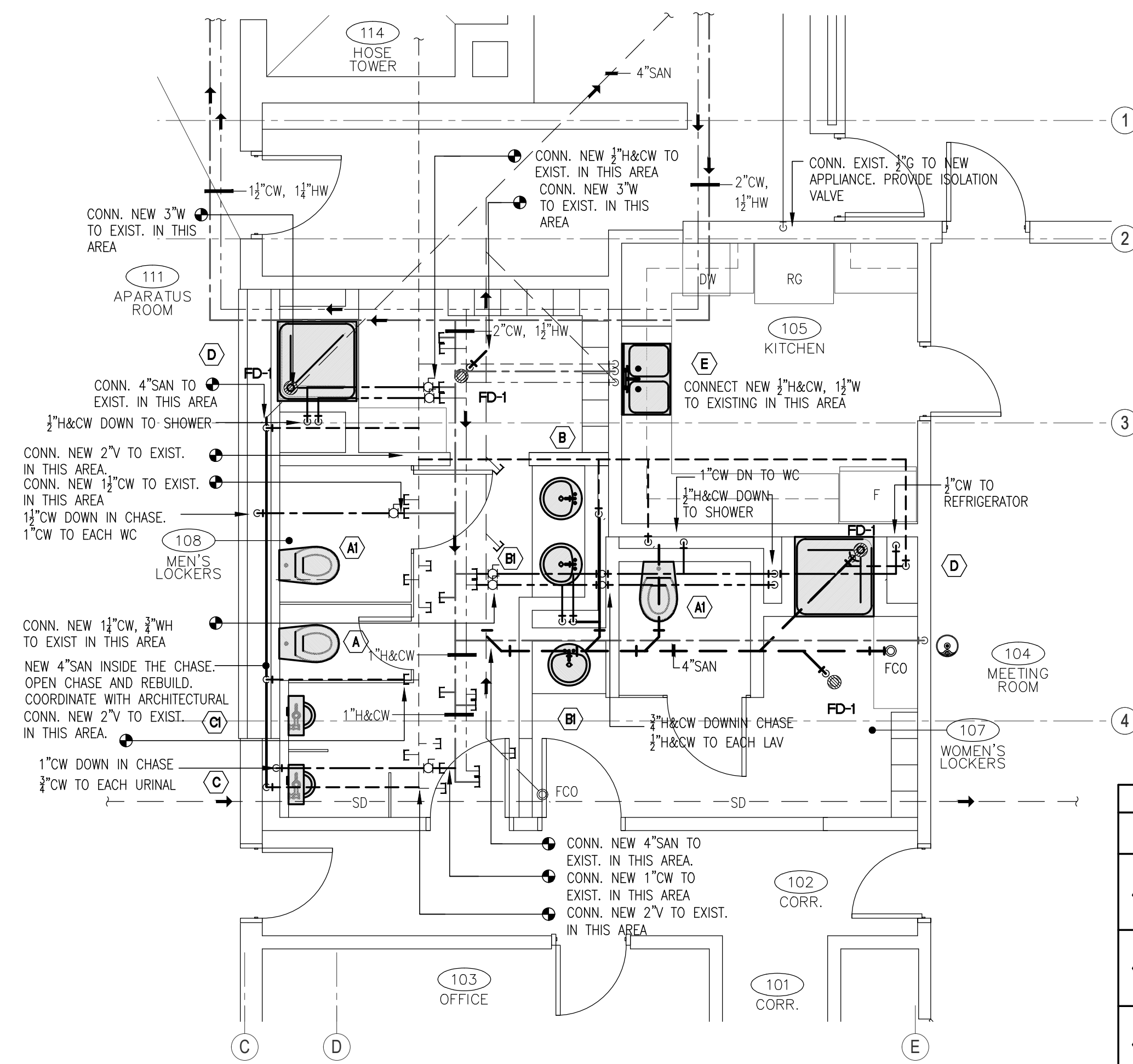
TITLE  
**CONTRACT AREAS PART PLANS MECHANICAL DEMOLITION and NEW WORK**

DATE 11/03/2022

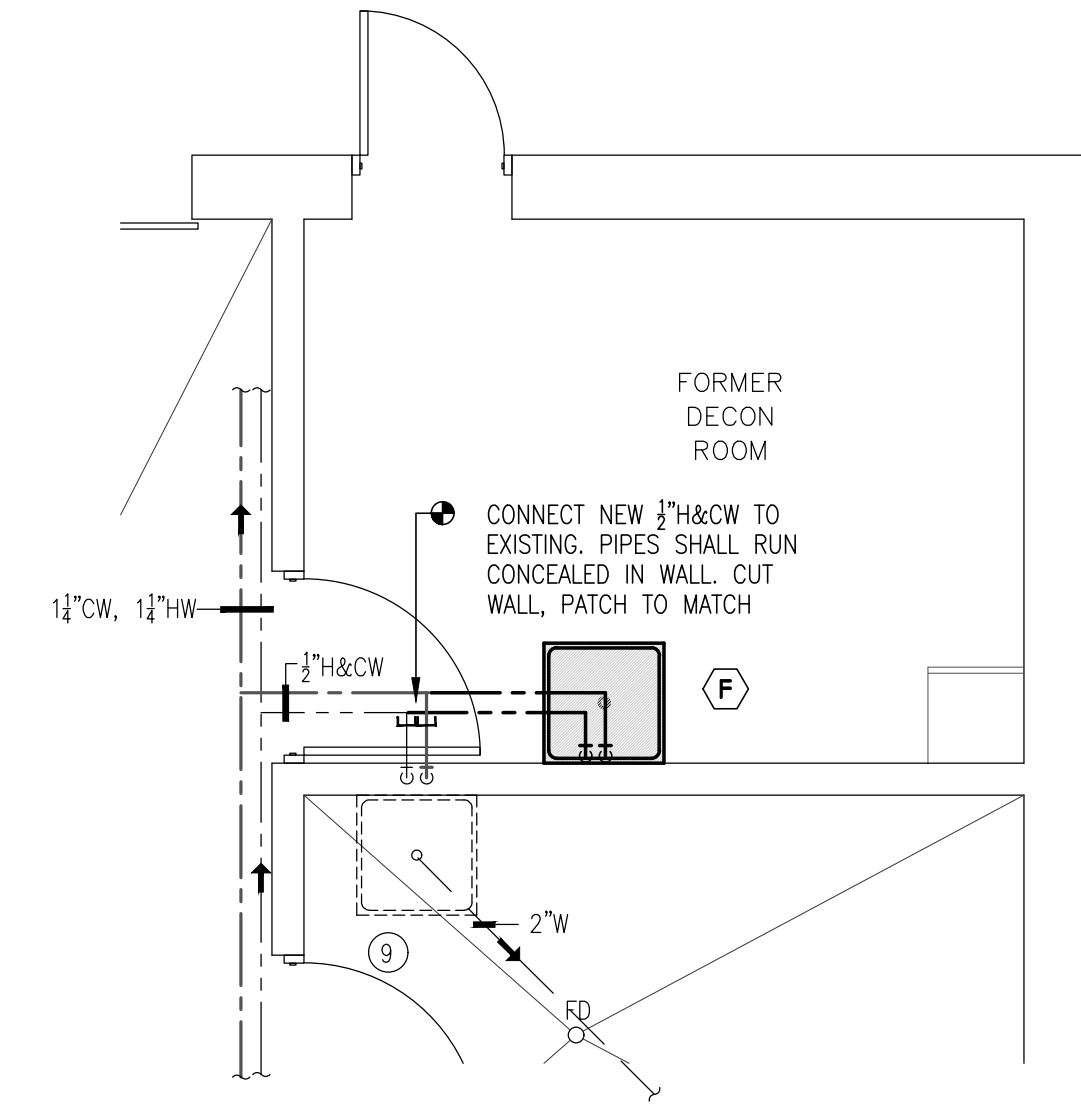
DWG. NO.  
**M1**



**LOCKER ROOMS PART PLAN - DEMOLITION**  
SCALE: 1/4"=1'-0"



**LOCKER ROOMS PART PLAN - NEW WORK**  
SCALE: 1/4"=1'-0"



**FORMER DECON ROOM PART PLAN - DEMOLITION and NEW WORK**  
SCALE: 1/4"=1'-0"

PLUMBING FIXTURE SCHEDULE- UNITS								
FIXTURE TYPE	DESCRIPTION	MANUF.	MODEL	CONNECTION			REMARKS	
				CW	HW	W/SAN		V
(A) (AI)	WATER CLOSET (ACCESSIBLE)	KOHLER	KINGSTON ULTRA K-84325	1"	-	4"	2"	1,2,8
	FLUSH VALVE (ACCESSIBLE)	SLOAN	WES-111-1.6/1.1					
(B) (BI)	LAVATORY (ACCESSIBLE)	KOHLER	CAXTON K-2210-0	1/2"	1/2"	1 1/2"	1 1/4"	1,3,4,8
	FAUCET	SYMONS	SYMETRIX S-20-2-1.5-LP					
(C) (CI)	URINAL (ACCESSIBLE)	KOHLER	BRANDON K-PR-4991-11H	1/2"	-	1 1/2"	1 1/4"	1
	FLUSH VALVE (ACCESSIBLE)	SLOAN	ROYAL-186-0.5GPF					
(DI)	SHOWER							
	SHOWER VALVE (ACCESSIBLE)	SYMONS	SAFETYMIX/VISU-TEMP 1-117-FSB-1.5-X	1/2"	1/2"	3"	1 1/2"	1,5,8
(D)	SHOWER							
	SHOWER VALVE	SYMONS	SAFETYMIX 1-1000-1.5-X-VT	1/2"	1/2"	3"	1 1/2"	1
(E)	SINK	ELKAY	LUSTERONE - ELUH40321655PD	1/2"	1/2"	1 1/2"	1 1/4"	1,3,7
	FAUCET	ELKAY	LK - 3001CR					
(F)	SERVICE SINK	FIAT	FL-1	1/2"	1/2"	2"	1 1/4"	6
	FAUCET	FIAT	A1					

**REMARKS:**

- REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHT.
- TOILET SEAT SHALL BE MODEL K-4731 BY KOHLER
- PROVIDE TRUBRO PIPE INSULATION FOR ALL ACCESSIBLE LAVATORIES AND SINKS.
- SINGLE FAUCET HOLE
- PROVIDE WITH QUICK CONNECT HAND HELD SHOWER
- PROVIDE MODEL 830 AA FAUCET, HOSE AND HOSE BRACKET, MOP HANGER, 3"QUICK DRAIN CONNECTOR, VINYL BUMPER GUARD, STAINLESS STEEL WALL GUARD. PROVIDE AIR ADMITTANCE VALVE BY STUDORVENT.
- HANDICAP ACCESSIBLE FIXTURE
- SUFFIX "AI" INDICATES HANDICAP ACCESSIBLE FIXTURE

**GENERAL DEMOLITION NOTES**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITY LINES INCLUDING ELECTRICAL, SEWER, WATER, GAS, TELEPHONE, ETC. THE DRAWINGS SHOW DIAGRAMMATICALLY THE APPROXIMATE LOCATION OF UTILITIES WHERE INFORMATION IS AVAILABLE, BUT THE DRAWINGS ARE NOT EXACT AS TO THE QUANTITY, EXTENT OR LOCATION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING ALL PHASES OF THE WORK TO LOCATE, IDENTIFY, AND PROTECT EXISTING UTILITIES.
- ANY EQUIPMENT REMOVED DURING DEMOLITION WORK MAY BE RETAINED BY THE OWNER AT HIS OPTION. ANY SUCH MATERIAL SHALL BE STORED IN THE BUILDING AT A LOCATION DESIGNATED BY THE OWNER. REMOVAL OF SUCH MATERIAL FROM THE JOB SITE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

**PLUMBING/MECHANICAL DEMOLITION WORK NOTES**

- PRIOR TO SUBMITTING BID, VISIT THE SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK TO BE PERFORMED. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY EXPERIENCED OBSERVERS. INCLUDE IN THE BID ALL DEMOLITION WORK REQUIRED.
- THE DEMOLITION DRAWINGS ARE INTENDED ONLY TO DEFINE THE GENERAL SCOPE OF DEMOLITION WORK AND TO ASSIST THE CONTRACTOR DURING BIDDING. THE DEMOLITION DRAWINGS MAY NOT SHOW EVERY ITEM WHICH MUST BE DISCONNECTED, REMOVED, OR RELOCATED IN ORDER TO FACILITATE NEW WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED WHETHER OR NOT SHOWN ON THE PLANS.
- COORDINATE AND SCHEDULE ALL WORK WITH THE OWNER TO MINIMIZE INCONVENIENCE TO THE BUILDING OCCUPANTS.
- REMOVE AND/OR RELOCATE ALL EXISTING PLUMBING WORK AS NECESSARY FOR THE PERFORMANCE OF THE WORK OF THIS CONTRACT.
- REMOVE ALL DEMOLITION MATERIAL FROM THE JOB SITE UNLESS NOTED DIFFERENTLY.
- CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF EXISTING HOT AND COLD WATER, SANITARY, WASTE AND STORM. HOT AND RECIRCULATED HOT WATER PIPING.
- REMOVE ALL EXISTING PLUMBING FIXTURES AND DOMESTIC WATER, GAS, VENT AND SANITARY/WASTE PIPES
- CONTRACTOR SHALL "SNAKE" AND "FLUSH" ALL EXISTING SANITARY/WASTE LINES TO ENSURE OPTIMUM FLOW. USE CAMERA TO INSPECT AND RECORD CONDITION OF EXISTING DRAIN SYSTEM

**- PLUMBING/MECHANICAL DEMOLITION WORK SYMBOLS -**

TAG	ACTION
1	EXISTING WATER CLOSET AND ASSOCIATED PIPES SHALL BE REMOVED. CAP REMAINING AT MAIN FOR FUTURE CONNECTION.
2	EXISTING LAVATORY AND ASSOCIATED PIPES SHALL BE REMOVED. CAP REMAINING AT MAIN FOR FUTURE CONNECTION.
3	EXISTING URINALS AND ASSOCIATED PIPES SHALL BE REMOVED. CAP REMAINING AT MAIN FOR FUTURE CONNECTION.
4	EXISTING DRINKING FOUNTAIN AND ASSOCIATED PIPES SHALL REMAIN
5	EXISTING SHOWERS AND ASSOCIATED PIPES SHALL BE REMOVED. CAP AND SEAL AT MAIN.
6	EXISTING FLOOR DRAIN SHALL BE REMOVED. PATCH TO MATCH.
7	EXISTING GAS PIPE DOWN TO APPLIANCE SHALL REMAIN. DISCONNECT APPLIANCE, MAKE SAFE FOR FUTURE CONNECTION TO NEW APPLIANCE. PROVIDE NEW ISOLATION VALVE.
8	EXISTING SINK SHALL BE REMOVED AND REPLACED. TEMPORARILY CAP REMAINING PIPES FOR FUTURE CONNECTION.
9	EXISTING SERVICE SINK AND ASSOCIATED PIPES SHALL BE REMOVED. CAP AT MAIN, PATCH TO MATCH.
10	EXISTING VENT PIPING SHALL REMAIN.

**GENERAL NOTES :**

- DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK, ALL CONTRACTORS MUST COORDINATE WITH OTHER TRADES OTHER TRADES BEFORE PROCEEDING WITH ANY WORK.
- THE CONTRACTOR SHALL COORDINATE THE ROUTING AND INSTALLATION OF PLUMBING SYSTEMS TO AVOID CONFLICTS.
- THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH CONDITIONS PRIOR TO SUBMITTING HIS BID.
- REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS AND DETAILS.
- INSTALL ALL HANDICAP ACCESSIBLE FIXTURES IN ACCORDANCE WITH ADA, UFAS AND ANSI REQUIREMENTS.
- ALL WASTE PIPE 3" AND LARGER SHALL HAVE A PITCH OF 1/8" PER FL.
- ALL UNDER SLAB DRAINAGE PIPING SHALL BE IN PVC
- MINIMUM SIZE FOR ALL UNDER SLAB DRAINAGE PIPING SHALL BE 3 INCH.
- PROVIDE ESCUTCHEON PLATE @ ALL WALL/CEILING PENETRATIONS.
- THIS CONTRACTOR SHALL PROVIDE CLEANOUTS WITH COVER (ACCESS DOORS) ON WASTE STACKS @ CHANGE OF DIRECTION AND SLAB PENETRATIONS.
- FIRE STOP AROUND PIPES PENETRATING FIRE RATED PARTITIONS. USE HILTI FIRE BARRIER PRODUCTS AS RECOMMENDED BY MANUF.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITY LINES INCLUDING ELECTRICAL, SEWER, WATER, GAS, TELEPHONE, ETC. THE DRAWINGS SHOW DIAGRAMMATICALLY THE APPROXIMATE LOCATION OF UTILITIES WHERE INFORMATION IS AVAILABLE, BUT THE DRAWINGS ARE NOT EXACT AS TO THE QUANTITY, EXTENT OR LOCATION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING ALL PHASES OF THE WORK TO LOCATE, IDENTIFY, AND PROTECT EXISTING UTILITIES. THE CONTRACTOR SHALL RECORD LOCATION OF AND REPAIR DAMAGE TO EXISTING UTILITIES WHICH ARE ENCOUNTERED AS A RESULT OF WORK UNDER THIS CONTRACT.
- THERE SHALL BE NO EXPOSED PIPING. PIPES SHALL RUN CONCEALED ABOVE THE CEILING OR IN WALLS. WHERE NOT POSSIBLE, THE GENERAL CONTRACTOR SHALL PROVIDE PIPE CHASES, ON EXTERIOR WALLS, PIPES SHALL RUN ON THE WARM SIDE OF THE INSULATION AND HAVE 2" OF INSULATION. PROVIDE PVC COVER FOR INSULATED PIPES
- AUGER ALL EXISTING SANITARY AND STORM PIPING TO ENSURE FREE FLOWING. ALL EXISTING UNDERGROUND SANITARY AND STORM PIPES SHALL BE INSPECTED WITH A VIDEO CAMERA TO DETERMINE THE CONDITION OF THE PIPES.

**FLOOR DRAIN SCHEDULE**

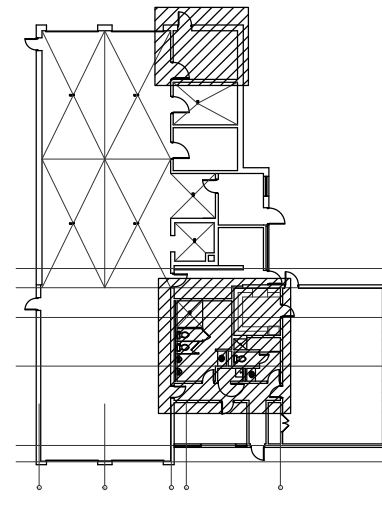
UNIT No.	MANUF.	MODEL	SIZE: (OUTLET/ STRAINER)	LOCATION	INLINE TRAP SEALER	REMARKS
FD-1	WADE	FD12-SQ-B-VP-55QSS	3"ø	TOILET RM.	SURE SEAL	1,3
CO	JAY R SMITH	4023				2,3
WCO	JAY R SMITH	4422				4

**REMARKS:**

- FLOOR DRAINS SHALL HAVE DUCO CAST IRON BODY W/NO-HUB OUTLET, DEEP SEAL TRAP SEDIMENT BUCKET, SQUARE NICKEL BRONZE STRAINER.
- FLOOR CLEANOUT WITH BRONZE TAPER THREAD PLUG, ADJUSTABLE NICKEL BRONZE TOP.
- FLOOR DRAINS AND CLEANOUTS TO MATCH FINISHED FLOOR USAGE AND FINISH SURFACE.
- WALL CLEANOUT WITH STAINLESS STEEL COVER

**PLUMBING SYMBOL LIST**

SYMBOL	ABBREV.	DESCRIPTION
---	CW	COLD WATER
---	HW	HOT WATER
---	RHW	HOT WATER RECIRCULATED
---	V	VENT
---	SAN or W	SANITARY OR WASTE ABOVE SLAB/FLOOR
---	SAN or W	SANITARY OR WASTE BELOW SLAB/FLOOR
●		SHUT-OFF VALVE
↓		RISER DOWN
↑		RISER UP
⊥		TEE DOWN
⊥		PIPE CAP
↘		PITCH DOWN IN DIRECTION OF ARROW
↙		FLOW-IN DIRECTION OF ARROW
⊠	FD	FLOOR DRAIN WITH P-TRAP
⊠	CO	FLOOR CLEAN OUT
⊠	WCO	WALL CLEAN OUT
⊠	POC	POINT OF CONNECTION TO EXISTING UTILITY



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TITLE  
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DATE 11/03/2022

DWG. NO.

**PL1**