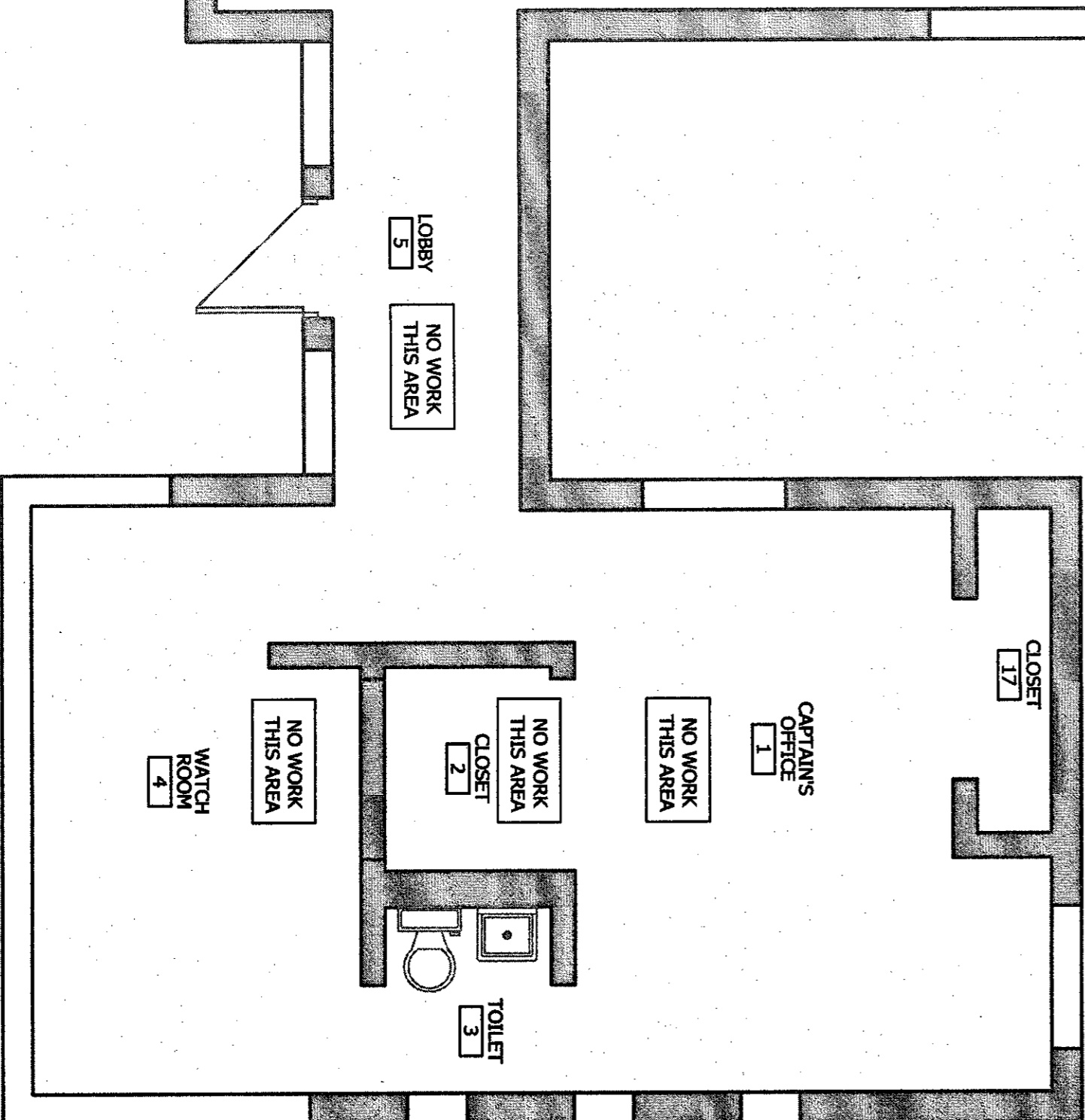


FLOOR	MATERIAL
SLEEPING	POLISHED CONCRETE (BURNISH POLYURETHANE, BURNISH CONC. FLOOR AND APPLY SEALER)
WALL	PAINT NEW G/P, BD WALLS
SLEEPING	PAINT NEW G/P, BD WALLS
WALL BASE	4\"/>
SLEEPING	4\"/>
CEILING	REPLACE EXISTING 2X4 ACOUSTIC CEILING TILE W/ VINYL FACED G/P, BD, C/G, TILE & PAINT EXISTING GRID SYSTEM
SLEEPING	REPLACE EXISTING 2X4 ACOUSTIC CEILING TILE W/ VINYL FACED G/P, BD, C/G, TILE & PAINT EXISTING GRID SYSTEM

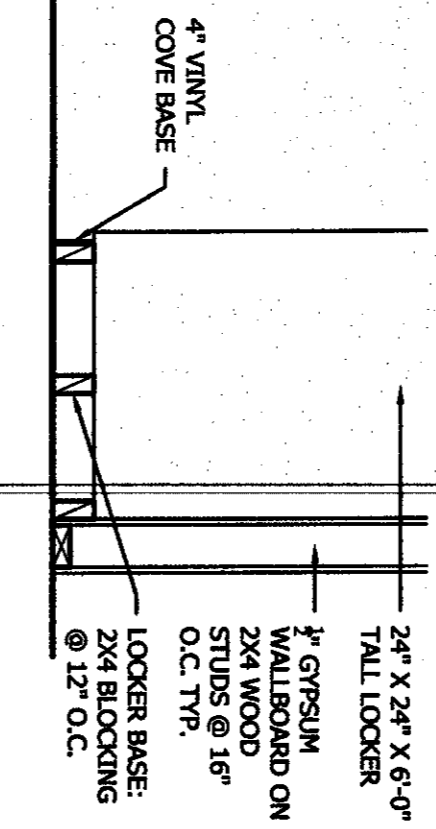
**FINISH LEGEND**

**A FLOOR PLAN (LIVING QUARTERS RENOVATION)**



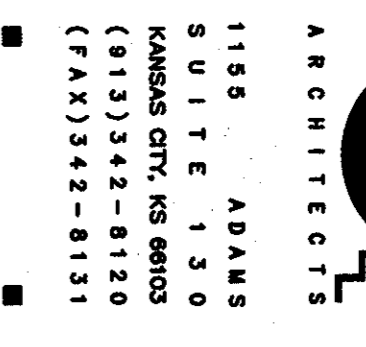
SCALE: 1/4\"/>

**C LOCKER BASE DETAIL**



CODE ANALYSIS	
APPLICABLE CODE:	2012 INTERNATIONAL BUILDING CODE 2012 INTERNATIONAL MECHANICAL CODE 2012 INTERNATIONAL PLUMBING CODE 2009 INTERNATIONAL ELECTRICAL CODE 2009 INTERNATIONAL ENERGY CONSERVATION CODE
CONSTRUCTION TYPE:	II-B
FIRE SUPPRESSION:	NONE EXISTING
OCCUPANCY GROUP:	R-3 (SLEEPING AREA, RECREATION, KITCHEN) S-2 (APPARATUS BAY, STORAGE) B (OFFICE) SEPARATION BETWEEN USES NOT REQUIRED ACCORDING TO SECTION 508.5 NON-SEPARATED OCCUPANCIES
ALLOWABLE AREA (TABLE 503.1):	R-3 (SLEEPING AREA, RECREATION, KITCHEN) UNLIMITED S-2 (APPARATUS BAY, STORAGE) 25,000 SF B (OFFICE) 25,000 SF
BUILDING AREA PROVIDED:	5,155 SF
TOTAL BUILDING AREA:	1,975 SF
SLEEPING / HOUSING AREAS:	2,555 SF
APPARATUS BAY, STORAGE:	625 SF
BUSINESS OFFICES:	100 SF / PERSON
OCCUPANT LOAD (TABLE 1004.1.2):	TOTAL OCCUPANTS 35 OCCUPANTS

an interior renovation for:  
**FIRE STATION NO. 5**  
9TH AND QUINDERO  
KANSAS CITY, KANSAS



REVISIONS	DATE	BY	DESCRIPTION
1	11/20/17	AS	ISSUED





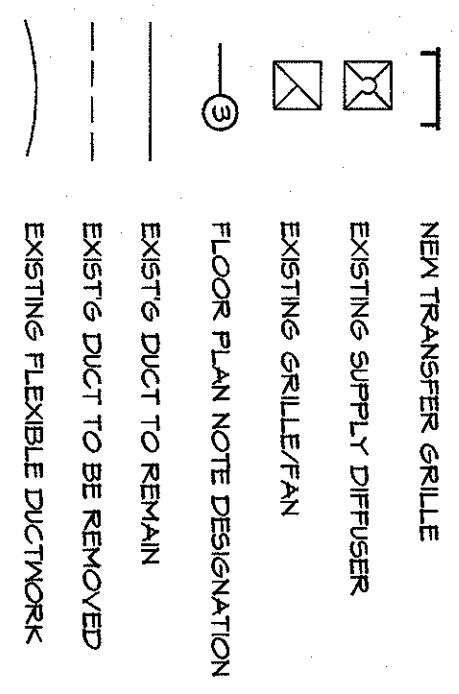
**MECHANICAL & PLUMBING SPECIFICATIONS**

1. GENERAL PROVISIONS:
  - A. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF THE MECHANICAL AND PLUMBING SYSTEMS INDICATED.
  - B. COORDINATE ALL TRADES, UTILITIES, PERMITS, AND CERTIFICATES OF COMPLIANCE OR APPROVALS WITH THE ARCHITECT AND THE CITY OF KANSAS.
  - C. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES, AND REGULATIONS OF THE GOVERNMENTAL BODIES HAVING JURISDICTION OVER THE SITE.
  - D. ALL TESTING REQUIRED BY AUTHORITIES SHALL BE CONSIDERED PART OF THIS WORK.
  - E. DURING CONSTRUCTION, ALL SERVICES, EQUIPMENT, PIPE, DUCT, ETC. SHALL BE COVERED, PLACED OR CAPPED AS REQUIRED TO KEEP CLEAN AND UNHARMED. ALL DAMAGED ITEMS SHALL BE RESTORED TO ORIGINAL CONDITION OR REPLACED. ALL PROTECTIVE COVERING SHALL BE REMOVED BEFORE FINAL INSPECTION.
  - F. PROVIDE ALL NECESSARY LIFTING AND PLACING OF WALLS, FLOORS, CEILING, AND ROOFING AS NECESSARY. PATCH AROUND ALL OPENINGS SHALL MATCH ADJACENT AREA. COORDINATE ALL ROOFING WORK WITH OWNER OR RESPONSIBLE PARTY, SO THAT THE EXISTING ROOFING WARRANTY WILL BE MAINTAINED.
  - G. CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS AGAINST DEFECTS FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE.
2. OPERATION AND MAINTENANCE MANUALS:
  - A. PROVIDE THE OWNER ONE COPY OF OPERATION, MAINTENANCE, AND SERVICE MANUALS FOR ALL EQUIPMENT AND MATERIALS INSTALLED UNDER THIS CONTRACT.
  - B. ALL LITERATURE AND INSTRUCTIONS SHIPPED WITH THE EQUIPMENT SHALL BE SAVED FOR INCLUSION IN THE OPERATION AND MAINTENANCE MANUALS.
  - C. ALL LITERATURE LISTED ABOVE AND ALL PAPERS LISTING WARRANTIES, ETC. SHALL BE BOUND IN A MANUAL TO BE PROVIDED TO THE PROJECT OWNER, ARCHITECT, ENGINEER, CONTRACTOR, ETC.
3. MANUFACTURERS:
  - A. MANUFACTURERS, MODEL NUMBERS, ETC. INDICATED ON SCHEDULES OR SPECIFICATIONS SHALL BE INTERPRETED AS HAVING ESTABLISHED A STANDARD OF QUALITY AND SHALL NOT BE CONSIDERED AS RECOMMENDATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SELECTION OF MANUFACTURERS WHOSE PRODUCTS SHALL BE LISTED IN THE SPECIFICATIONS AND WHOSE QUALITY OF THE PRODUCTS DESIGN, CONSTRUCTION, AND PERFORMANCE SHALL BE AS GOOD AS OR BETTER THAN THE PRODUCTS DESIGN, CONSTRUCTION, AND PERFORMANCE INDICATED OTHERWISE.
4. REPAIRING WORK:
  - A. DISCONNECT, DISCONNECT, DEMOLISH, AND REMOVE ABANDONED MATERIALS AND EQUIPMENT INDICATED TO BE REMOVED AND NOT INDICATED TO BE SALVAGED OR REBUILT.
  - B. EQUIPMENT TO BE SALVAGED:
    - 1) DISCONNECT AND REMOVE EXISTING EQUIPMENT INDICATED TO BE REMOVED AND SALVAGED.
    - 2) ALL MATERIALS AND EQUIPMENT DESTROYED TO BE REBUILT OR SALVAGED SHALL BE CAREFULLY RECORDED AND IDENTIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE REBUILT OR SALVAGED EQUIPMENT FROM DAMAGE OR LOSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE REBUILT OR SALVAGED EQUIPMENT FROM DAMAGE OR LOSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE REBUILT OR SALVAGED EQUIPMENT FROM DAMAGE OR LOSS.
  - C. DEMOLISH AND CLEANUP REMOVE FROM THE SITE AND LEGALLY DISPOSE OF DEMOLISHED MATERIALS AND EQUIPMENT NOT INDICATED TO BE SALVAGED.
  - D. PROTECT ADJACENT MATERIALS INDICATED TO REMAIN, INSTALL AND MAINTAIN DIRT AND NOISE PROTECTION AND BARRIERS AFTER DEMOLITION OPERATIONS ARE COMPLETE.
  - E. LOCATE, IDENTIFY, AND PROTECT MECHANICAL SERVICES PASSING THROUGH REPAIRING AREA AND SERVING OTHER AREAS OUTSIDE THE REPAIRING AREA. MAINTAIN SERVICES TO AREAS OUTSIDE REPAIRING AREA. REPAIRING WORK SHALL BE COMPLETED WITHIN THE CONTRACTED TIME FRAME. REPAIRING WORK SHALL BE COMPLETED WITHIN THE CONTRACTED TIME FRAME. REPAIRING WORK SHALL BE COMPLETED WITHIN THE CONTRACTED TIME FRAME.
  - F. REMOVE ALL PIPING TO BE DEMOLISHED BACK TO PIPE VAN OR EDGE OF PROJECT AREA, AND CAP PIPE.
  - G. PIPING AND DUCTS EXPOSED IN FLOORS, WALLS, AND CEILING SHALL REMAIN IN SUCH MATERIALS DO NOT BE DAMAGED. REMOVE MATERIALS ABOVE ACCESSIBLE CEILING, FLOOR AND CAP PIPING AND DUCTS AS REQUIRED TO REPAIR WORK. REMOVE MATERIALS ABOVE ACCESSIBLE CEILING, FLOOR AND CAP PIPING AND DUCTS AS REQUIRED TO REPAIR WORK. REMOVE MATERIALS ABOVE ACCESSIBLE CEILING, FLOOR AND CAP PIPING AND DUCTS AS REQUIRED TO REPAIR WORK.
  - H. PIPE AND DUCT SHALL BE CONSIDERED WITH NEW OR EXISTING CONSTRUCTION UNLESS INDICATED OTHERWISE.

**MECHANICAL GENERAL NOTES:**

1. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACES AVAILABLE, AND WITHOUT INTERFERENCE.
2. THIS CONTRACTOR SHALL PERFORM ALL WORK INDICATED AND/OR AS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE MECHANICAL SYSTEMS.
3. INSTALL ALL PIPE, ETC. AS HIGH AS POSSIBLE.

**MECHANICAL SYMBOLS**



**MECHANICAL PLAN NOTES:**

- ① SUPPLY GRILLE EXISTING TO REMAIN, CLEAN OR REPAIR AS NECESSARY.
- ② DEMO ALL EXISTING CONVECTOR CABINETS, ALL ASSOCIATED PIPING, ETC.
- ③ EXISTING FURNACE TO REMAIN, PERFORM PREVENTATIVE MAINTENANCE CHECK AS DESCRIBED BELOW.
- ④ NEW TRANSFER GRILLE LOCATED IN DOOR.

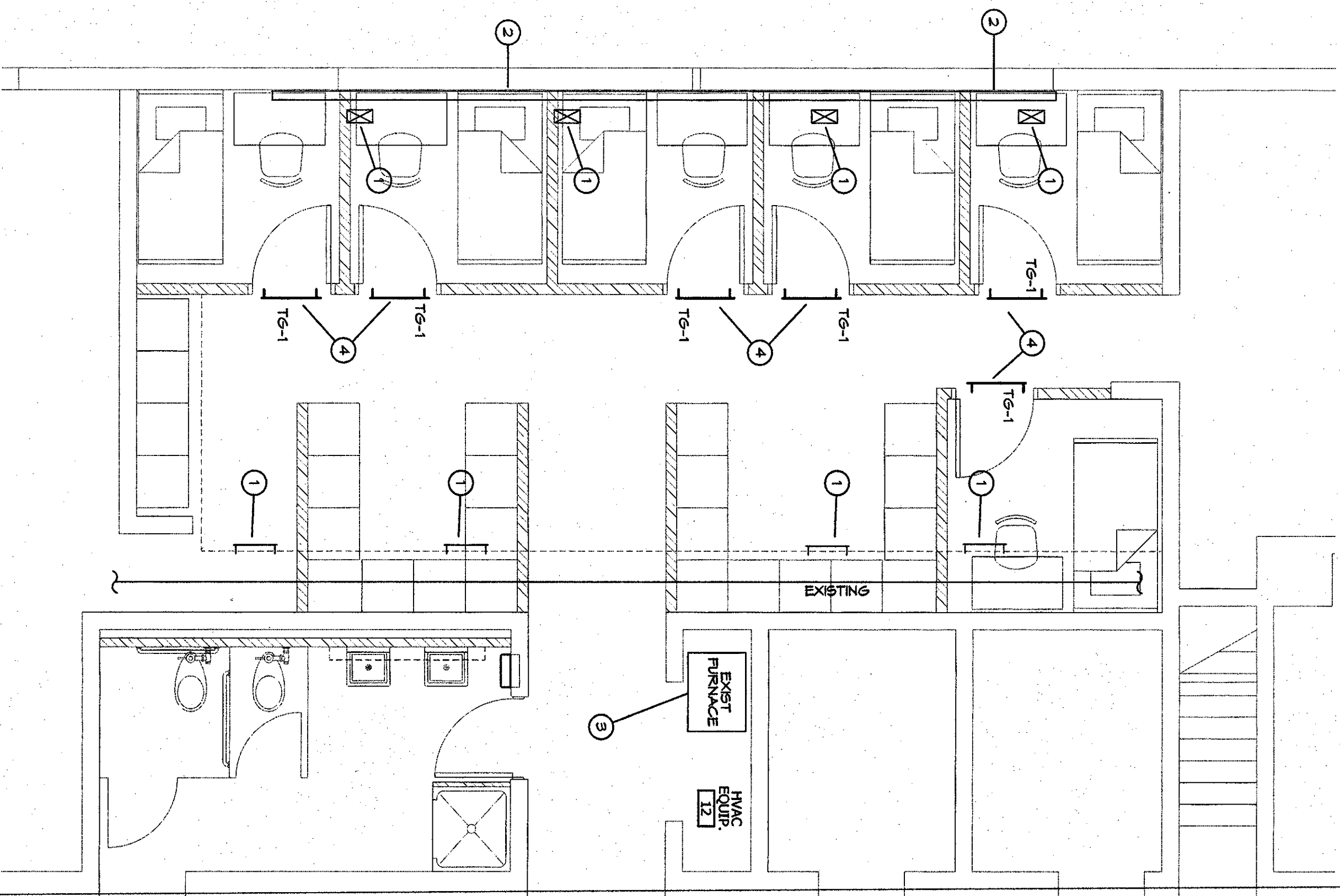
ALL EXISTING HVAC UNITS SHOULD HAVE A PREVENTATIVE MAINTENANCE CHECK-UP TO INCLUDE THE FOLLOWING CRITERIA:

1. CHANGE ALL FILTERS.
2. CLEAN CONDENSATE DRAIN PANS AND PIPING ALL CONDENSATE DRAIN LINES.
3. CLEAN ALL REFRIGERANT AND CONDENSER COILS WITH NON-FLAMMABLE CLEANING AGENTS.
4. CHECK FOR REFRIGERANT LEAKS AND REPAIR AS NECESSARY (RECHARGE SYSTEM AS NEEDED).
5. CHANGE ALL BELTS.
6. GREASE ALL MOVING PARTS AND BEARINGS.
7. CHECK DUCTWORK CONNECTIONS AND REPAIR AS NEEDED.
8. ALL UNITS SHALL BE FUNCTIONING AND COOLING PROPERLY.

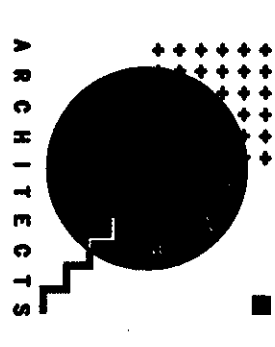
**DIFFUSER SCHEDULE**

MARK	MFGR	MODEL	NECK SIZE	FACE SIZE	FINISH	NOTES
T6-1	TITUS	T-700	-	24"x12"	WHITE	1

NOTE: 1. PROVIDE WITH AUXILIARY FRAME KIT, GENERAL CONTRACTOR TO PROVIDE OPENING IN DOOR & FROM BOTTOM.



**LIVING QUARTERS MECHANICAL FLOOR PLAN**  
NORTH  
SCALE: 1/4" = 1'-0"



an interior renovation for:  
**FIRE STATION NO. 5**  
9TH AND QUINDERO  
KANSAS CITY, KANSAS

DESIGN BY: BC  
DRAWN BY: M2  
JOB NO.:  
DATE: 11/2/2017  
REVISIONS:

**M2**

**BC ENGINEERS INCORPORATED**  
KANSAS  
PE COA #E-389  
5720 Bendler Shawnee, Mo. 66203 (913)282-1772