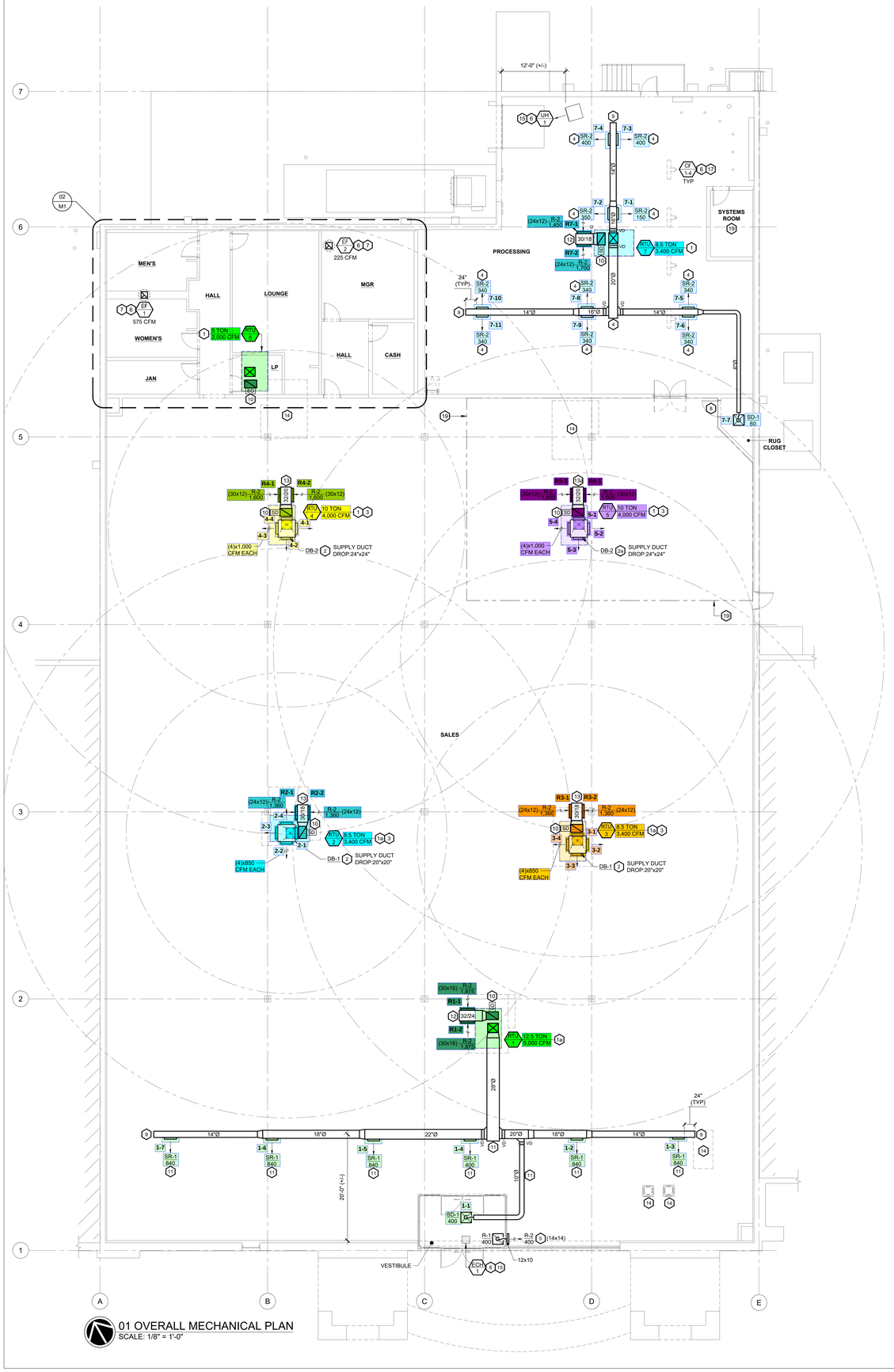
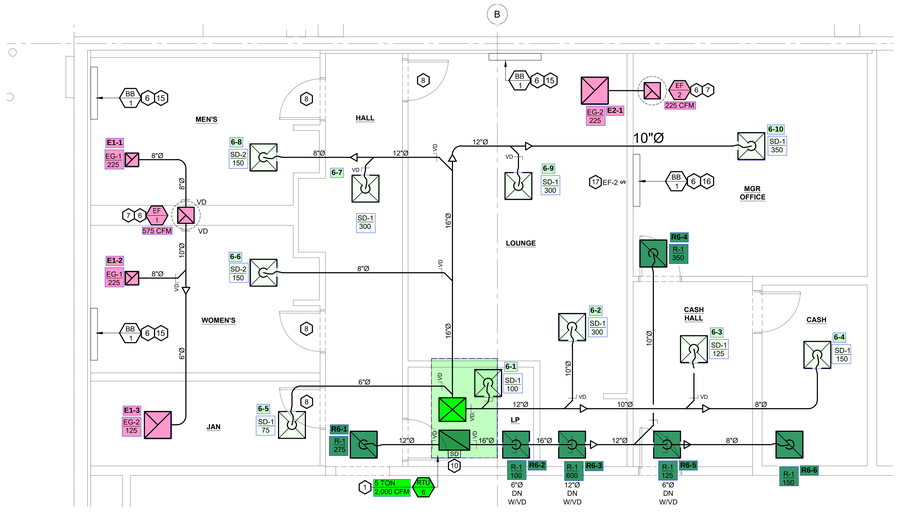



01 OVERALL MECHANICAL PLAN
SCALE: 1/8" = 1'-0"




02 ENLARGED MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

## KEYED NOTES

1. NEW ROOFTOP UNIT. PROVIDE AND INSTALL FULL ROOF CURB AND FRAME FOR NEW RTU AND CURB. REUSE EXISTING ROOF OPENING AND PROVIDE NEW FLASHING AS REQUIRED ABOVE ROOF. COORDINATE WITH GENERAL CONTRACTOR. COORDINATE WITH EXISTING STRUCTURE AND OVERHEAD UTILITIES AND ADJUST RTU LOCATIONS AS REQUIRED.
1a. NEW ROOFTOP UNIT OVER EXISTING CURB VIA CURB-ADAPTER. GC TO COORDINATE WITH TJX VENDOR AND FIELD VERIFY FEASIBILITY.
2. DRUM LOUVER BOX ASSEMBLY SHALL BE SUPPORTED INDEPENDENTLY FROM DUCTWORK. DRUM LOUVER TO BE MOUNTED AT 13'-6". ADJUST SUPPLY GRILLES FOR EVEN AIR DISTRIBUTION. CONTRACTOR TO PROVIDE DUCT ROUTING & DROPS FROM RTU DOWN TO CEILING DROP BOX.
2a. DRUM LOUVER BOX ASSEMBLY SHALL BE SUPPORTED INDEPENDENTLY FROM DUCTWORK. DRUM LOUVER TO BE MOUNTED AT 16'-6". ADJUST SUPPLY GRILLES FOR EVEN AIR DISTRIBUTION. CONTRACTOR TO PROVIDE DUCT ROUTING & DROPS FROM RTU DOWN TO CEILING DROP BOX.
3. NEW RTU LOCATED DIRECTLY ABOVE CONCENTRIC BOX LOCATIONS.
4. INSTALL REGISTERS AT -20 DEGREES. PROVIDE NECK AND DAMPERS IN ROUND DUCT AS REQUIRED. MOUNT DUCTWORK @ 13'-6" AFF MINIMUM TO BOTTOM OF LARGEST DUCT.
5. INSTALL SUPPLY/RETURN/TRANSFER GRILLE OR SUPPLY REGISTERS AS HIGH TO ROOF DECK AS POSSIBLE ON SALES FLOOR. AIR DEVICES TO NOT INTERFERE WITH FUTURE DECOR AND OR SHELVING. MINIMUM MOUNTING 14' TO BOTTOM OF AIR DEVICE.
6. CONTROL VIA EMPLOYEE LIGHTING CONTACTOR RELAY.
7. NEW ROOF MOUNTED EXHAUST FAN. PROVIDE AND INSTALL FULL ROOF CURB. PROVIDE FLASHING AS REQUIRED ABOVE ROOF. COORDINATE WITH EXISTING STRUCTURE AND OVERHEAD UTILITIES AND ADJUST RTU LOCATIONS AS REQUIRED.
8. HOLLOW METAL DOORS SHOULD BE PROVIDED WITH UNDERCUT FOR ADDITIONAL MAKE-UP AIR. DESIGNER OF RECORD TO COORDINATE WITH ARCHITECTURAL AND DOOR PROVIDER.
9. DUCTWORK TO EXTEND 2'-0" BEYOND LAST REGISTER.
10. DUCT MOUNTED SMOKE DETECTOR FACTORY FURNISHED WITH EQUIPMENT. DETECTOR IS UPSTREAM OF AIR FILTERS AND AFTER ALL BRANCH CONNECTIONS. INTERLOCKING WIRING BETWEEN FIRE ALARM SYSTEM RELAY AND ROOFTOP UNIT SHUTDOWN CONTACT SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. ALL OTHER WIRING, OR ADDITIONAL DEVICES IF REQUIRED, SHALL BE BY FIRE ALARM CONTRACTOR. UPON DETECTION OF SMOKE, ROOFTOP UNIT SHALL SHUT DOWN AND INITIATE SUPERVISORY SIGNAL AT THE FIRE ALARM PANEL.
11. SALES FLOOR REGISTERS TO BE MOUNTED AT -20° DOWNWARD. BOTTOM OF LARGEST DIAMETER DUCT TO BE MOUNTED AT 13'-0" ABOVE FINISHED FLOOR. FINAL LOCATION AND ELEVATION TO BE COORDINATED WITH ALL TRADES AND APPROVED BY TJX CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
12. BOTTOM OF RETURN AIR DUCTWORK TO BE 14' AFF MINIMUM, WITH GRILLES ON VERTICAL FACE OF DUCTWORK. COORDINATE FINAL ELEVATION WITH TJX CM PRIOR TO INSTALLATION, NOTIFY OF ALL DISCREPANCY.
13. BOTTOM OF RETURN AIR DUCTWORK TO BE 15' AFF MINIMUM, WITH GRILLES ON VERTICAL FACE OF DUCTWORK. COORDINATE FINAL ELEVATION WITH TJX CM PRIOR TO INSTALLATION, NOTIFY OF ALL DISCREPANCY.
13a. BOTTOM OF RETURN AIR DUCTWORK TO BE MINIMUM 24" ABOVE DROP BOX, WITH GRILLES ON VERTICAL FACE OF DUCTWORK. COORDINATE FINAL ELEVATION WITH TJX CM PRIOR TO INSTALLATION, NOTIFY OF ALL DISCREPANCY.
14. GC TO REMOVE EXISTING ROOFTOP EQUIPMENT AND PROVIDE FULL ROOF PATCHING ALONG WITH MEMBRANE, INSULATION AND INFILL OF METAL DECK. EXISTING OPENINGS / PENETRATIONS ON THE INTERIOR ARE TO BE FRAMED AND SKINNED TO MATCH ADJACENT FINISH AT UNDERSIDE OF ROOF DECK. COORDINATE FINAL SCOPE WITH TJX MANAGER OF DEVELOPMENT. GC TO FIELD VERIFY EXACT LOCATION AND QUANTITY.
15. EQUIPMENT / HEATER LOCATION TO BE FIELD VERIFIED AND CONFIRMED WITH TJX PROJECT MANAGER PRIOR TO INSTALLATION.
16. PROVIDE WITH TORK C506H WALL MOUNTED 6-HOUR TIMER.
17. CIRCULATING FANS PROVIDED AND INSTALLED BY CONTRACTOR. SEE MOUNTING DETAILS FOR ADDITIONAL REFERENCE. VERIFY FINAL QUANTITY AND LOCATION WITH C-SET.
18. SYSTEMS ROOM VENTED FROM 12' AFF TO ROOF DECK. REFER TO WALL TYPES.
19. EXTENT OF RAISED LIGHTING ON SALES FOR TO ACCOMMODATE RUG RACK FIXTURES, FOR REFERENCE ONLY. REFER TO C-SET FOR ADDITIONAL INFORMATION.

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REVISION DATES

| NO. | DATE | TYPE |
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ISSUE DATES

| TYPE | DATE |
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