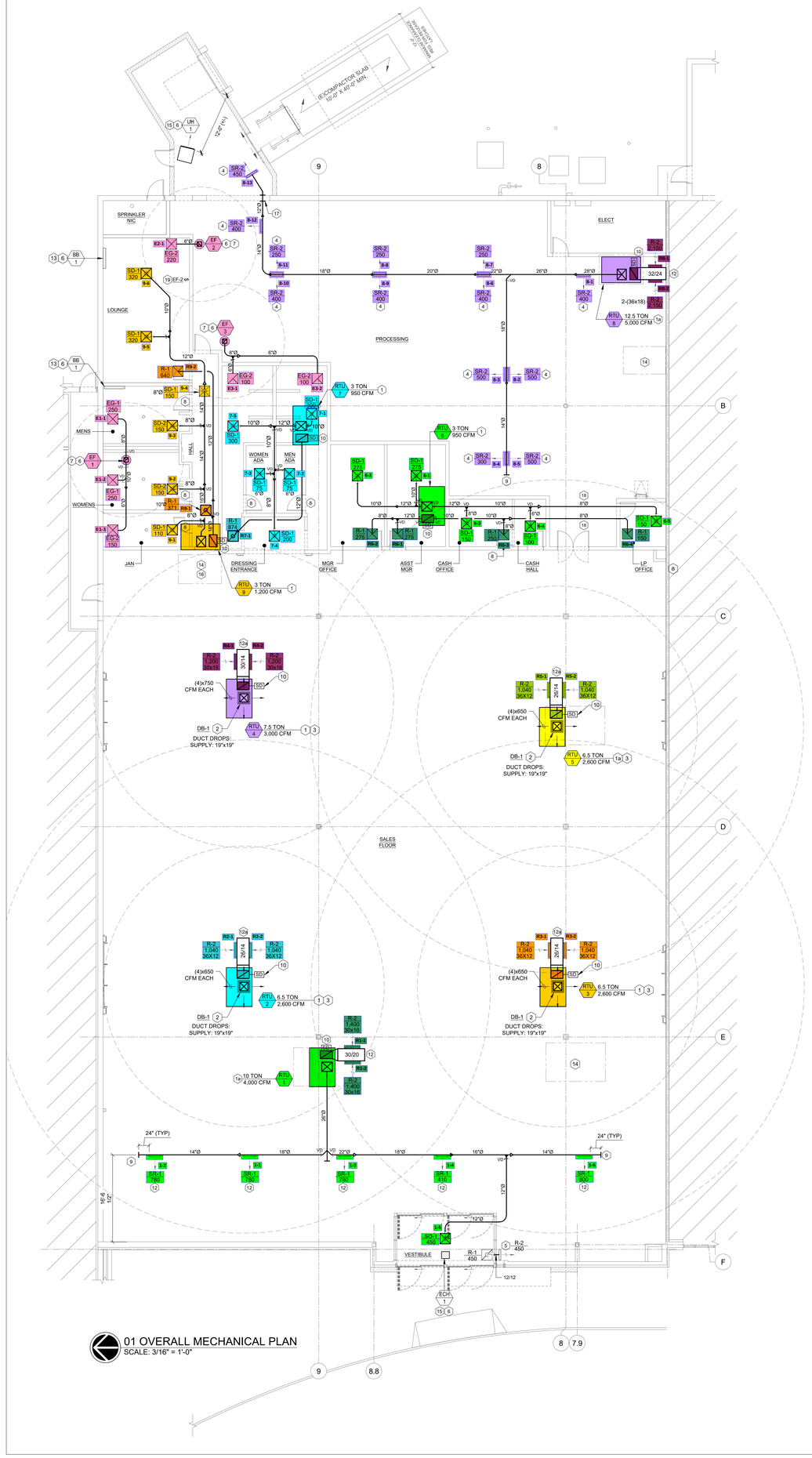

01 OVERALL MECHANICAL PLAN
SCALE: 3/16" = 1'-0"

KEYED NOTES

1. NEW ROOFTOP UNIT. PROVIDE AND INSTALL FULL ROOF CURB AND FRAME FOR NEW RTU AND CURB. PROVIDE NEW ROOF OPENING AND 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. MECHANICAL CONTRACTOR TO PROVIDE DUCT ROUTING & DROPS FROM RTU DOWN TO CEILING DROP BOX DIFFUSER LOCATION. PROVIDE TRANSITION FROM RECTANGULAR TO ROUND DUCT IF REQUIRED, VERIFY. COORDINATE WITH AES CUT SHEETS.

3. NEW RTU LOCATED DIRECTLY ABOVE DROP BOX DIFFUSER 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. VERIFY FINAL MOUNTING HEIGHT WITH TJX CONSTRUCTION MANAGER PRIOR TO INSTALLATION.

5. INSTALL RETURN/TRANSFER GRILLE OR SUPPLY REGISTERS AS HIGH TO ROOF DECK AS POSSIBLE ON SALES FLOOR. AIR DEVICES TO NOT INTERFERE WITH FUTURE DECOR.

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 FURNISHED BY FIRE ALARM CONTRACTOR AND INSTALLED IN DUCT BY MECHANICAL CONTRACTOR 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 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 12'-6" 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'-0" AFF MINIMUM, WITH GRILLES ON VERTICAL FACE OF DUCTWORK. COORDINATE FINAL ELEVATION WITH TJX CM PRIOR TO INSTALLATION, NOTIFY OF ALL DISCREPANCY.

12a. BOTTOM OF RETURN AIR DUCTWORK TO BE 15'-0' AFF MINIMUM, WITH GRILLES ON VERTICAL FACE OF DUCTWORK. COORDINATE FINAL ELEVATION WITH TJX CM PRIOR TO INSTALLATION, NOTIFY OF ALL DISCREPANCY.

13. BASEBOARD HEATERS SHALL BE INSTALLED 6" AFF. MILLWORK AND FIXTURE LOCATIONS SHALL TAKE PRECEDENCE. INSTALLATION LOCATION SHALL NOT IMPEDE ON REQUIRED ADA CLEARANCES. COORDINATE FINAL LOCATION WITH TJX PM. DOES NOT NEED TO BE INSTALLED ON THE EXTERIOR WALL IF UNFEASIBLE. DO NOT INSTALL UNDER HAND DRYERS, NO EXCEPTION.

14. GC/MC SHALL CONSULT WITH TJX PROJECT MANAGER ON PATCHING METHOD REQUIRED AFTER REMOVAL OF EXISTING ROOFTOP EQUIPMENT. IDEALLY THE UNUSED EQUIPMENT, CURBS/BASES SHALL BE DISCONNECTED, MADE SAFE, AND REMOVED FROM THE ROOF. THE EXISTING ROOF OPENING / PENETRATION SHALL BE DECKED OVER, INSULATED, SEALED AND ROOF PATCHED. THE INTERIOR SIDE OF OPENING SHALL MATCH EXISTING AND BE PAINTED PER TJX CRITERIA SET. IN THE EVENT THIS CANNOT BE ACHIEVED AND IT IS DETERMINED BY THE TJX PROJECT MANAGER THAT CAPPING THE EXISTING OPENING / PENETRATION IS THE BEST ALTERNATIVE THEN AFTER REMOVAL OF EXISTING EQUIPMENT AN INSULATED WEATHER TIGHT CAP SHALL BE MECHANICALLY FASTENED TO THE EXISTING ROOF CURB, BURGLAR BARS SHALL BE INSTALLED IF NOT ALREADY PRESENT. THE UNDERSIDE OF THE OPENING SHALL BE FRAMED IN AND SKINNED WITH SIMILAR MATERIAL AS THE UNDERSIDE OF ROOF DECK AND BE MADE TO MATCH EXISTING, PAINTED PER TJX CRITERIA SET.

15. COORDINATE FINAL LOCATION OF EQUIPMENT WITH TJX PM PRIOR TO INSTALLATION.

16. EXISTING RTU LOCATION TO BE CONSIDERED FOR REUSE. CONTRACTOR TO COORDINATE WITH TJX, AT TIME OF BID, AND USE THIS ROOF OPENING FOR INSTALLATION OF RTU-9 - ASSUMING TJX HAS APPROVED DUCTWORK ON THE SALES FLOOR SERVING OTHER AREAS.

17. MASONRY WALL PENETRATION TO BE PROVIDED BY G.C. M.C. TO PROVIDE DROPS AND/OR TRANSITIONING INTO RECEIVING AREA. M.C. TO COORDINATE WITH G.C AT TIME OF BID.

18. EXPOSED SUPPLY AND RETURN AIR DUCTWORK TO BE MOUNTED CLOSE TO BOTTOM OF STRUCTURE. DUCTWORK SHALL NOT INTERFERE WITH LIGHTING.

19. EF-2 TO HAVE MANUAL SHUT OFF SWITCH IN LOUNGE. VERIFY FINAL LOCATION WITH TJX PRIOR TO INSTALLATION. M.C. SHALL COORDINATE WITH G.C. & E.C.

TJX COMPANIES PLAN REVIEW

X Approved as Noted

____ Revise & Resubmit

Review is for conformance to the TJX COMPANIES Criteria documents (plans & specifications). This review does not relieve responsibility of the TJX COMPANIES criteria documents and specifications

By: janderson

Date: 12/05/2023

CT

CAMBURAS & THEODORE, LTD
ARCHITECTURE | ENGINEERING | INTERIORS
2454 E. Dempster St. Suite 202
Des Plaines, IL 60016
P (847)298-1525 | F (847)390-8130
www.camburasandtheodore.com

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SIERRA
The TJX Companies Inc.
Framingham, Massachusetts 01701

EVANSVILLE
PAVILION CENTER
6601 E. LLOYD EXPY
EVANSVILLE, IN 47715

REVISION DATES

NO.	DATE	TYPE

ISSUE DATES

TYPE	DATE
TJX REVIEW	10/20/23

DRAWN BY CT
CHECKED BY CT

PROJECT NUMBER 23-04060

DATE 10/20/2023

SHEET TITLE
MECHANICAL PLAN

SHEET NUMBER
M1