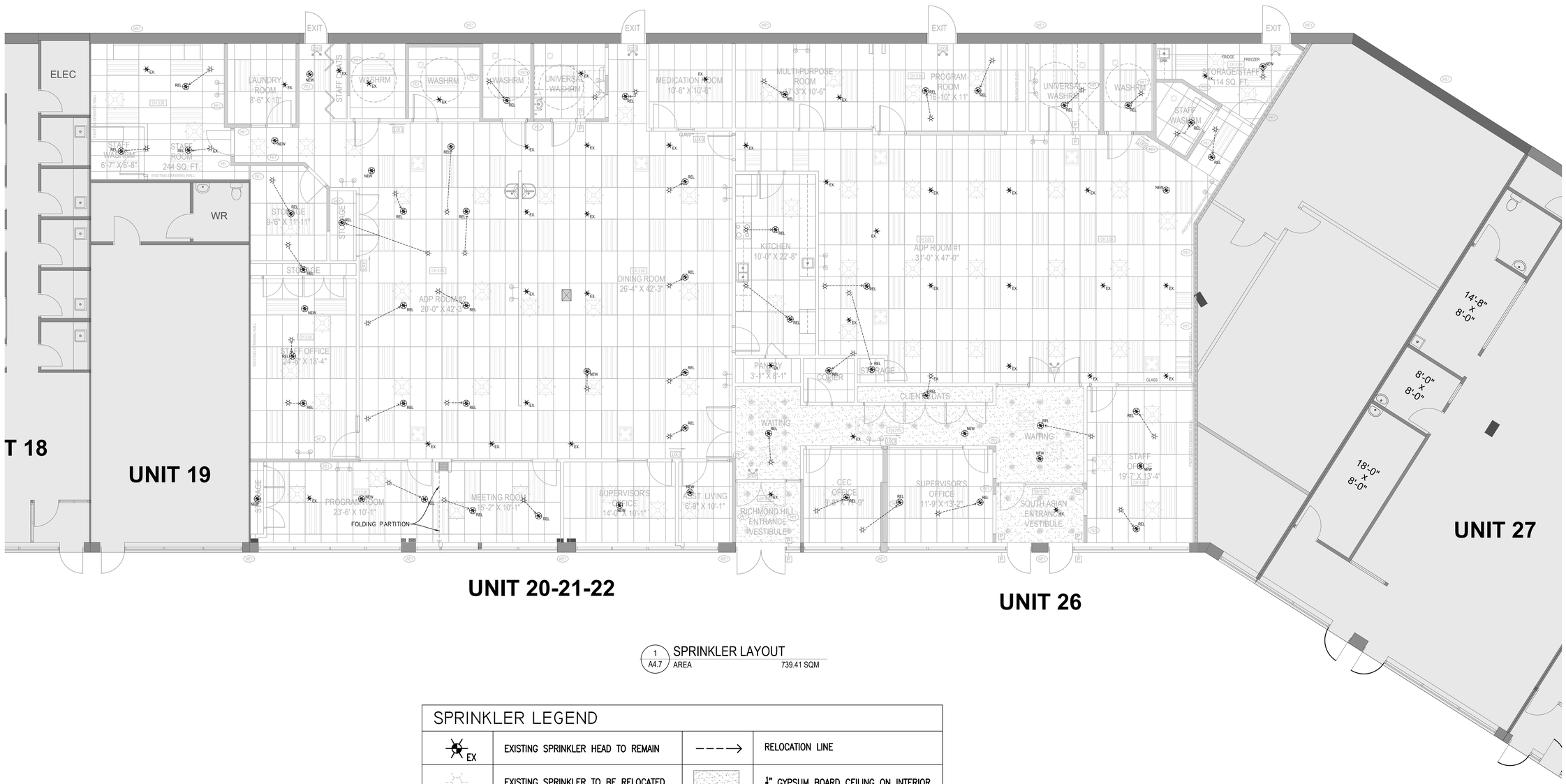


1 A4.7 SPRINKLER LAYOUT
AREA 739.41 SQM

SPRINKLER LEGEND

EX	EXISTING SPRINKLER HEAD TO REMAIN	----→	RELOCATION LINE
	EXISTING SPRINKLER TO BE RELOCATED		½" GYPSUM BOARD CEILING ON INTERIOR
REL	RELOCATED SPRINKLER HEAD FROM EXISTING LOCATION		2x4 SUSPENDED ACOUSTICAL CEILING
NEW	NEW SPRINKLER HEAD		

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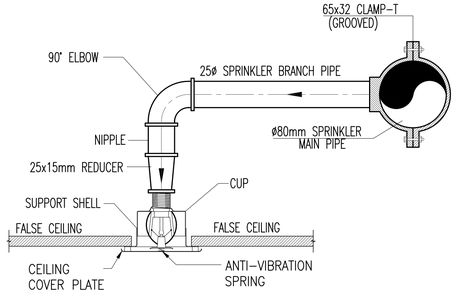
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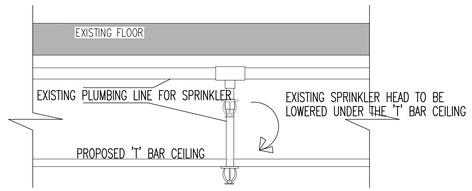
DRAWN	MNGR.	DRAWING NO
TN	KBK	SP-01

PLOTTED DATE
SEP 21, 2026

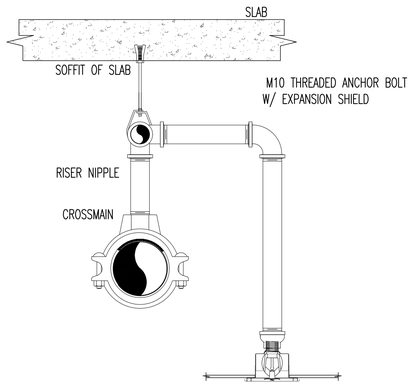
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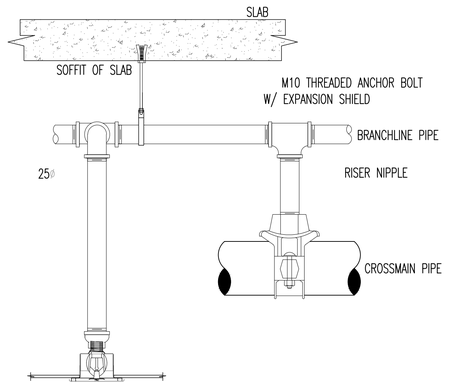
CHECKED
KYLE KHADRA





ALL EXISTING SPRINKLER HEAD TO BE
LOWERED UNDER THE 'T' BAR CEILING





SPRINKLER REQUIREMENTS

GENERAL MECHANICAL

1. SUPPLY AND INSTALL ALL MATERIALS AND EQUIPMENT AS SHOWN ON DRAWINGS FOR THE SATISFACTORY COMPLETION OF THE MECHANICAL WORK. ALL EQUIPMENT MUST BE OPERATIONAL, TESTED AND BALANCED TO SATISFACTION OF ENGINEER. CONFORM TO ALL APPLICABLE REQUIREMENTS AND CONDITIONS AS SET OUT IN THE GENERAL CONDITIONS OF THE CONTRACT.
2. THE CONTRACTOR SHALL SUBMIT A LUMP SUM PRICE BASED ON THE DRAWING(S). IF THE CONTRACTOR CHOOSES TO USE ALTERNATIVE MATERIALS AND EQUIPMENT, THE BID MUST INCLUDE NAME OF THE ALTERNATIVE MANUFACTURER AND ANY ADJUSTMENT IN PRICE.
3. BEFORE BIDDING, THE CONTRACTOR MUST VISIT SITE. THE CONTRACTOR IS RESPONSIBLE TO BE FAMILIAR WITH THE BUILDING CONSTRUCTION SO THAT THE BID INCLUDES ALL THAT IS NECESSARY FOR THE COMPLETION OF THE WORK.
4. ALL WORK MUST CONFORM TO THE MINIMUM REQUIREMENTS OR BETTER OF THE ONTARIO BUILDING CODE, LOCAL BYLAWS AND TO THE SATISFACTION OF LOCAL INSPECTION AUTHORITIES HAVING JURISDICTION.
5. OBTAIN PERMITS, PAY FEES AND FURNISH CERTIFICATES AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH THE LAWS AND REGULATIONS OF ALL GOVERNING AUTHORITIES HAVING JURISDICTION.
6. THIS CONTRACTOR SHALL STUDY THE DRAWINGS AND SPECIFICATIONS AND SHALL REPORT ANY ERRORS, INCONSISTENCIES OR OMISSIONS TO ENGINEER. DO NOT PROCEED IN UNCERTAINTY.
7. CUTTING AND PATCHING: INCLUDE CUTTING AND PATCHING AS REQUIRED FOR COMPLETION OF WORK. FINAL FLOOR/WALL/CEILING FINISHES BY OTHERS.
8. SLEEVES & ACCESS DOORS: PROVIDE SLEEVES AND ACCESS DOORS FOR THE INSTALLATION AND SERVICING OF ALL CONCEALED MECHANICAL EQUIPMENT.
9. WARRANTEE: THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR BEGINNING WITH THE DATE OF FINAL ACCEPTANCE BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE DURING THE DESIGN, INSTALLATION, TESTING AND GUARANTEE PERIOD FOR ANY DEFECTS IN HIS (OR HIS SUB-CONTRACTOR'S) WORK, MATERIALS OR EQUIPMENT.

SPRINKLERS

1. SPRINKLER CONTRACTOR TO REWORK EXISTING SPRINKLER HEADS AND PIPING AS REQUIRED TO ACCOMODATE NEW PARTITIONING AND CEILINGS. PROVIDE NEW MATERIALS TO SUIT. ALL SPRINKLER WORK MUST BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13, BUILDING CODE AND TO THE SATISFACTION OF LOCAL AUTHORITIES HAVING JURISDICTION. COORDINATE ON SITE.
2. SPRINKLER SYSTEM PIPING SHALL MEET THE REQUIREMENTS OF NFPA 13. CONTRACTOR SHALL BASE HIS BID ON THE FOLLOWING:
   a) SCHEDULE 10 PIPE MEETING ASTM A135 OR ASTM A795 FOR PIPE 2-1/2" AND LARGER.
   b) SCHEDULE 40 PIPE MEETING ASTM A53 REQUIREMENTS FOR PIPE 2" AND SMALLER.
3. HANGERS: CONFORM TO NFPA 13.

TESTING

1. CONDUCT FINAL TESTS AND INSPECTIONS REQUIRED BY THE REFERENCED CODES AND STANDARDS.
2. FLUSH SYSTEMS AND EQUIPMENT, AS A MINIMUM, TO OPERATIONAL TESTS AS FOLLOWS:
   2.1. HYDROSTATICALLY TEST SYSTEMS, INCLUDING WATER SUPPLY CONNECTIONS AND FIRE DEPARTMENT CONNECTIONS, AT 200 PSI FOR TWO (2) HOURS WITHOUT PRESSURE LOSS.
   2.2. DURING TESTS, STOP ANY LEAKS AND REMOVE AND REPAIR ANY DEFECTIVE PART. REPEAT TEST UNTIL SATISFACTORY RESULTS ARE OBTAINED. SODIUM SILICATE SHOULD NOT BE USED TO SEAL LEAKS OR AT ANY OTHER TIME.
   2.3. THE INSTALLATION OF THIS SYSTEM WILL REQUIRE THE CLOSING OF ONE (1) OR MORE MAIN WATER SUPPLY VALVES. THE IMPAIRMENT SHOULD BE COORDINATED WITH THE CLIENT.
3. THE OWNER'S, AUTHORITIES HAVING JURISDICTION AND REPRESENTATIVES WILL WITNESS THE FINAL ACCEPTANCE TESTS WHEN HE/SHE HAS BEEN ADVISED BY THE CONTRACTOR THAT THE WORK IS COMPLETED AND READY FOR TESTING. THIS WILL OCCUR AFTER THE SATISFACTORY COMPLETION AND SUBMITTAL OF THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE.
4. PROVIDE AT LEAST FIVE (5) WORKING DAYS NOTICE FOR TESTS.

AS-BUILT DRAWINGS

1. SPRINKLER CONTRACTOR IS RESPONSIBLE TO PROVIDE RED LINED AS-BUILT DRAWINGS TO OWNER.

SPRINKLER NOTES

1. REPLACE EXISTING UPRIGHT SPRINKLER HEADS WITH NEW 5.6 K FACTOR, 155°F PENDANT SPRINKLER HEADS.
2. NEW PENDANT SPRINKLER HEADS SHALL BE INSTALLED ON 1" DIAMETER RETURN BENDS.
3. MAXIMUM SPRINKLER HEAD COVERAGE 130 SQ. FEET.

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DRAWING
SPRINKLER DETAILS

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TN	KBK	SP-02

PLOTTED DATE
SEP 21, 2026

SCALE
NTS
@24"X36"

CHECKED
KYLE KHADRA