

PALATINE PUBLIC LIBRARY

HEAT EXCHANGER REPAIR

PALATINE, ILLINOIS

PROJECT

SEAL

DRAWINGS CONSULTANTS

PALATINE PUBLIC LIBRARY

PALATINE PUBLIC LIBRARY DISTRICT

700 N. NORTH COURT
PALATINE, IL 60067

PROJECT NUMBER 162592

ARCHITECTURAL

ENGBERG ANDERSON

5600 N RIVER ROAD
SUITE 800
ROSEMONT, ILLINOIS 60018
PH 847-704-1300

G000 TITLE SHEET

MECHANICAL

IMEG CORP.

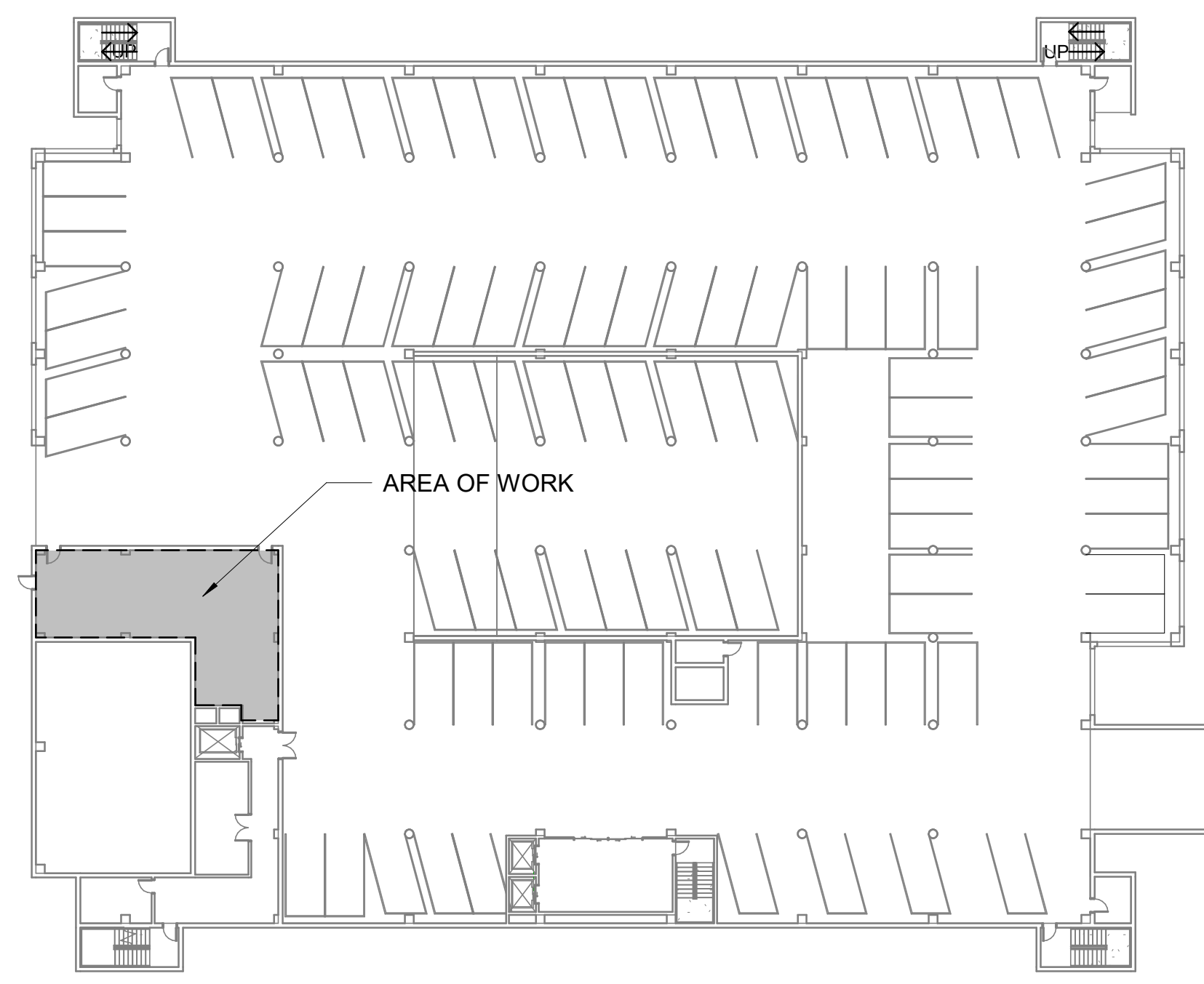
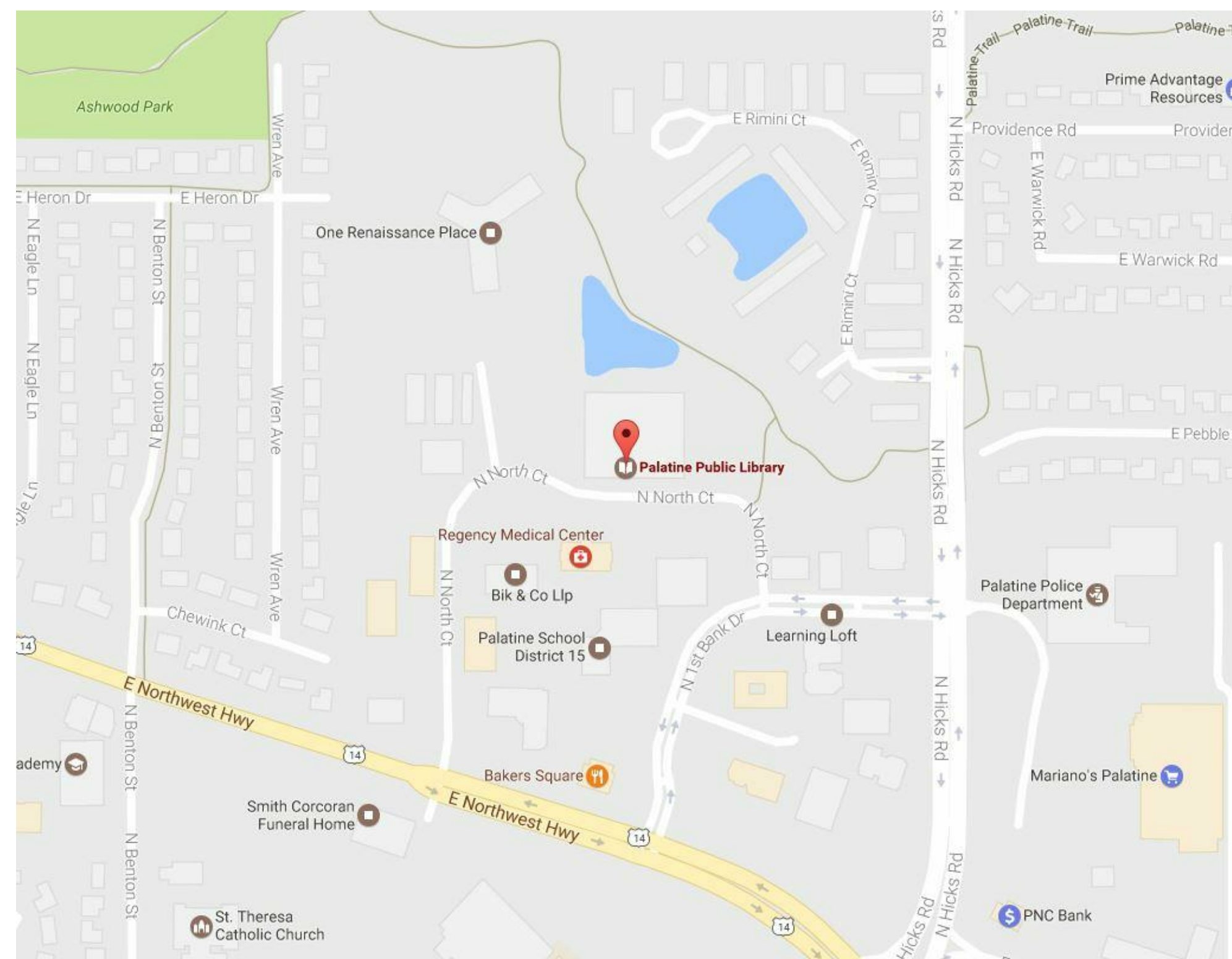
1100 WARRENVILLE ROAD
SUITE 400W
NAPERVILLE, IL 60563
PH 630-527-2320

M000 MECHANICAL COVER SHEET
M100 ENLARGED MECHANICAL ROOM PLAN

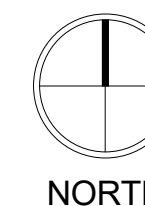
ISSUED FOR:
ISSUED FOR BID 02/20/2019

REVISION FOR: DATE
NO. DESCRIPTION

SITE LOCATION MAP



KEYPLAN - UPPER LEVEL PARKING



APPLICABLE CODES

BUILDING CODE	INTERNATIONAL BUILDING CODE, 2015
ACCESSIBILITY CODE	ILLINOIS ACCESSIBILITY CODE
FIRE SAFETY CODE	INTERNATIONAL FIRE CODE, 2015
PLUMBING CODE	ILLINOIS PLUMBING CODE, 2014
ELECTRICAL CODE	NATIONAL ELECTRICAL CODE, 2017
MECHANICAL CODE	INTERNATIONAL MECHANICAL CODE, 2015
ENERGY CODE	INTERNATIONAL ENERGY CONSERVATION CODE, 2018
NOTES	PROJECT SCOPE IS TO REPAIR EXISTING HEAT EXCHANGER

BUILDING DATA

OCC. CLASSIFICATION	A-3, ASSEMBLY (LIBRARY), S-2 STORAGE (OPEN PARKING)
CONSTRUCTION TYPE	1-B
SPRINKLERED	FULLY SPRINKLERED
NUMBER OF STORIES	3 + BASEMENT
SQUARE FEET/ FLOOR	
LOWER LEVEL PARKING	47,000 SF
UPPER LEVEL PARKING	49,600 SF
FIRST FLOOR	51,450 SF
SECOND FLOOR	51,450 SF
BUILDING TOTAL SIZE	199,500 SF

CONSTRUCTION REQUIREMENTS

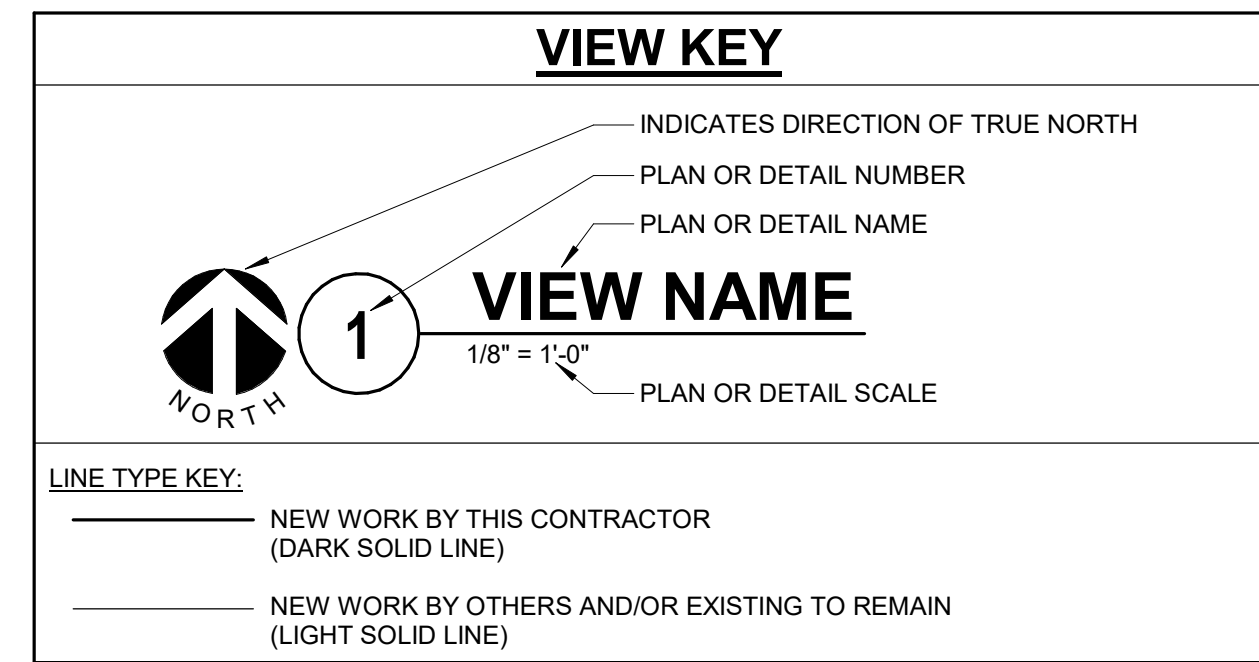
EXT. WALLS-NON BEARING	0 HR (BASED ON DISTANCE)
OPENINGS	NO LIMIT (BASED ON DISTANCE)
STRUCTURAL FRAME	2 HR
PARTITIONS	0 HR (NON LOAD BEARING)
SHAFT ENCLOSURES	2 HR
FLOOR/CEILING	2 HR
ROOF/CEILING	1 HR
ROOFING CLASSIFICATION	CLASS A
STAIR CONSTRUCTION	2 HR

DRAWN BY KR

CHECKED BY SK

TITLE SHEET

G000



MECHANICAL SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
—CR—	CONDENSER WATER RETURN
—CS—	CONDENSER WATER SUPPLY
—SWR—	SYSTEM WATER RETURN
—SWS—	SYSTEM WATER SUPPLY
—	PIPE CAP
—	PIPE DOWN
—	PIPE UP OR UP/DOWN
—	DIRECTION OF FLOW IN PIPE
—	SHUTOFF VALVE NORMALLY OPEN
—	PRESSURE/TEMPERATURE TEST PLUG
—	THERMOMETER WITH WELL (FILLED TYPE)

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES.

- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC. AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
- CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS AND CEILINGS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
- NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
- EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF HIS WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR CONSTRUCTION MANAGER ENGINEER PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO HIS AREA OF WORK.
- OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
- MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE SWITCHOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.
- PROVIDE ONE YEAR WARRANTY, UNLESS OTHERWISE NOTED, TO THE OWNER FOR ALL FIXTURES, EQUIPMENT, MATERIALS, AND WORKMANSHIP. THE WARRANTY PERIOD FOR ALL WORK SHALL COMMENCE ON THE DATE OF FINAL ACCEPTANCE. WARRANTY REQUIREMENTS SHALL EXTEND TO CORRECTION, WITHOUT COST TO THE OWNER, OF ALL WORK FOUND TO BE DEFECTIVE OR NONCONFORMING TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BEAR THE COST OF CORRECTING ALL DAMAGE RESULTING FROM DEFECTS OR NON CONFORMANCE WITH CONTRACT DOCUMENTS.
- PROVIDE SUBMITTALS FOR THE HEAT EXCHANGER REPLACEMENT PARTS PRIOR TO PURCHASING. ENGINEER TO REVIEW.

MECHANICAL SHEET INDEX

M000	MECHANICAL COVERSHEET
M100	ENLARGED MECHANICAL ROOM PLAN

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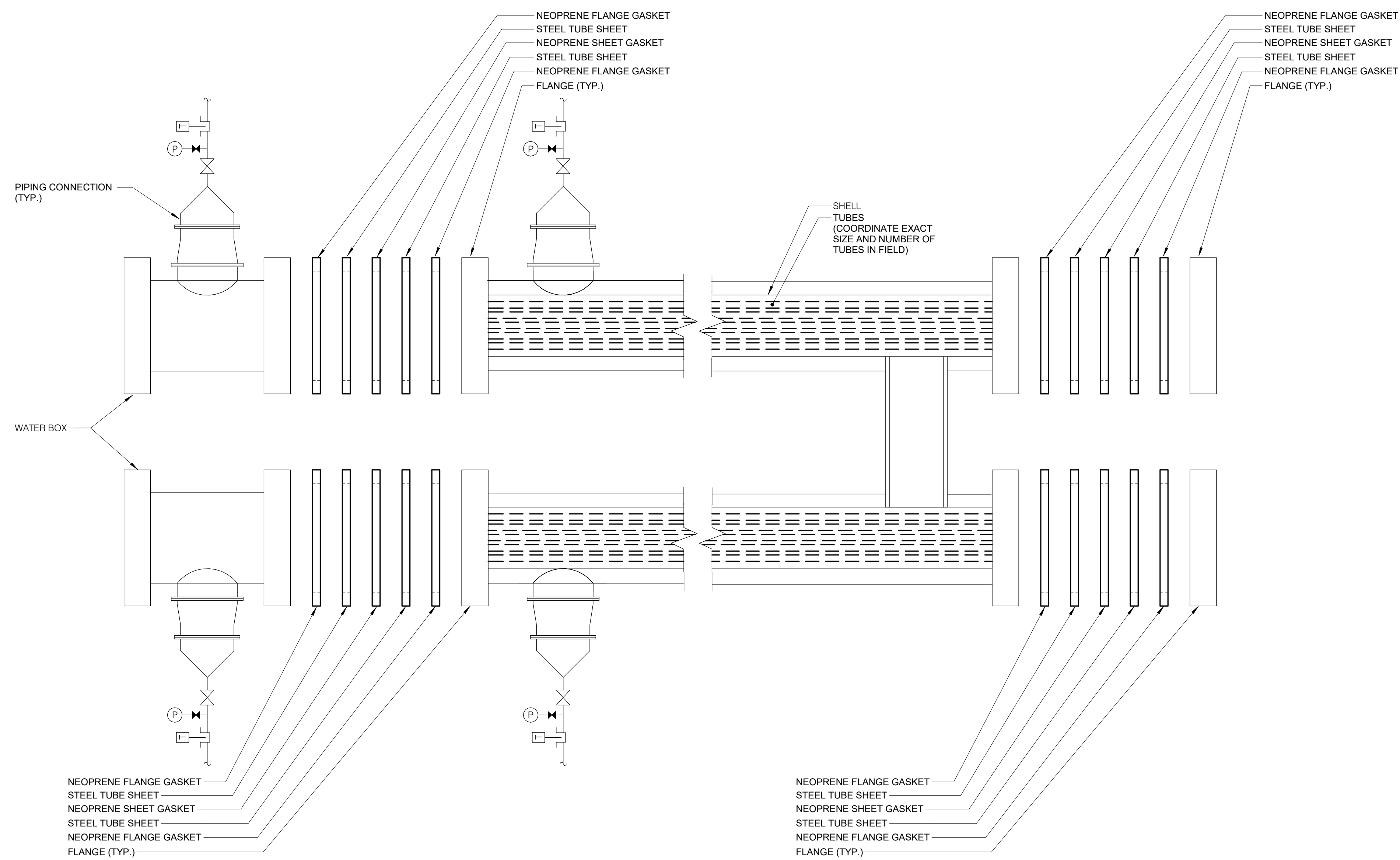
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1 HEAT EXCHANGER DIAGRAM
NO SCALE

DRAWN BY RDS

CHECKED BY JMO

**MECHANICAL
COVERSHEET**

GENERAL SHEET NOTES:
1. THE EXISTING HEAT EXCHANGER IS MANUFACTURED BY HIGH-K. THE LOCAL HIGH-K REP IS BULLOCK & LOGAN. (847) 434 - 1200.

PALATINE PUBLIC LIBRARY

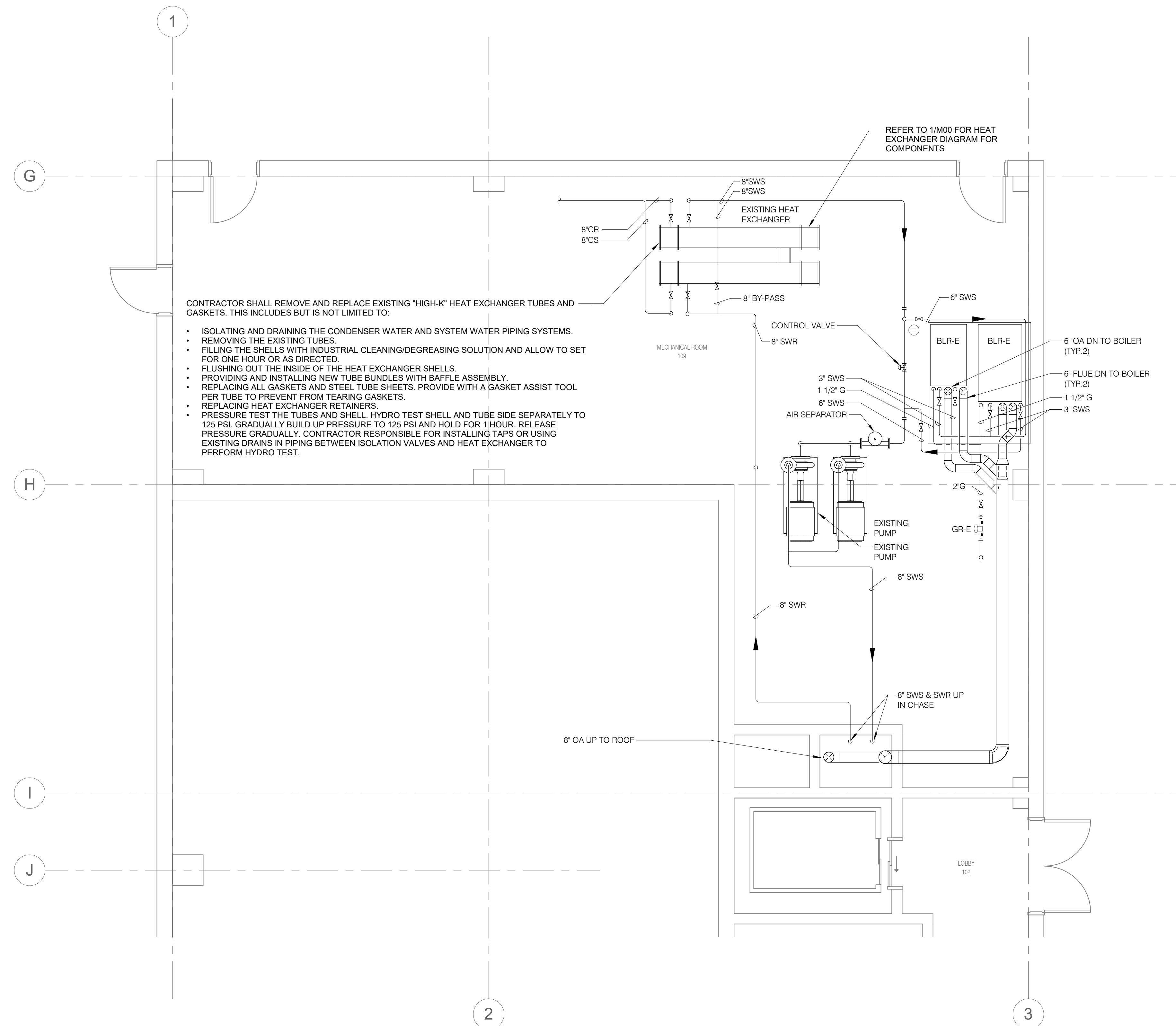
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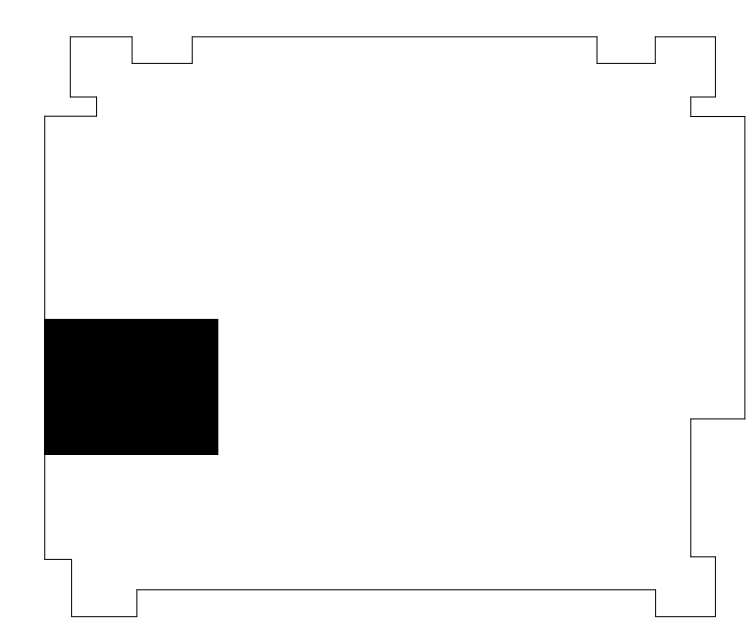
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1 ENLARGED MECHANICAL ROOM PLAN
1/4" = 1'-0"

DRAWN BY RDS
CHECKED BY JMO

ENLARGED MECHANICAL ROOM PLAN



KEYPLAN
NTS

IMEG 1150 WARRENVILLE RD., SUITE 400W
NAPERVILLE, IL 60563
630.827.2329 FAX 630.827.2321
www.imegcorp.com
PROJECT # 1600361-00

Bluhm Design Firm Registration #1600797-0014

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REFERENCE SCALE IN INCHES
0 1 2 3

M100