

N.C.F. DIETARY & LAUNDRY HOT WATER TANK REPLACEMENT

NEWTON, IOWA

OWNER PROJECT # 9522.00
ISG PROJECT # 26-34495

ISG

TYPICAL ANNOTATIONS

A - AMPS
ACH - AIR CHANGES PER HOUR
A.F.F. - ABOVE FINISH FLOOR
BMS - BUILDING MANAGEMENT SYSTEM
BOB - BOTTOM OF BEAM
BOD - BOTTOM OF DUCT
BOJ - BOTTOM OF JOIST
BOP - BOTTOM OF PIPE
BOS - BOTTOM OF STEEL
BTUH - BRITISH THERMAL UNITS PER HOUR
CFM - CUBIC FEET PER MINUTE
CL - CENTERLINE
DIA - DIAMETER
DB - DECIBELS
DDC - DIRECT DIGITAL CONTROL
DN - DOWN
EA - EXHAUST AIR
EAT - ENTERING AIR TEMPERATURE (°F)
ESP - EXTERNAL STATIC PRESSURE
EWT - ENTERING WATER TEMPERATURE (°F)
FDC - FIRE DEPARTMENT CONNECTION
FLA - FULL LOAD AMPS
FPM - FEET PER MINUTE
FT - FEET
GC - GENERAL CONTRACTOR
GPM - GALLONS PER MINUTE
HD - HEAD
HP - HORSEPOWER
KW - KILOWATT
LAT - LEAVING AIR TEMPERATURE (°F)
LWT - LEAVING WATER TEMPERATURE (°F)
MBH - THOUSANDS OF BTUs PER HOUR
MC - MECHANICAL CONTRACTOR
MCA - MINIMUM CIRCUIT AMPACITY
MFR - MANUFACTURER
MOCP - MAXIMUM OVER CURRENT PROTECTION
N.C. - NOT IN CONTRACT
NC - NORMALLY CLOSED
NG - NOISE CRITERIA
NO - NORMALLY OPEN
OA - OUTSIDE AIR (UNCONDITIONED)
OFCI - OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI - OWNER FURNISHED, OWNER INSTALLED
PC - PLUMBING CONTRACTOR
PD - PRESSURE DROP (FEET)
PH - PHASE
PSIA - POUNDS PER SQUARE INCH, ATMOSPHERIC
PSIG - POUNDS PER SQUARE INCH, GAUGE
RA - RETURN AIR
RH - RELATIVE HUMIDITY
RPM - REVOLUTIONS PER MINUTE
SA - SUPPLY AIR
TOB - TOP OF BEAM
TOD - TOP OF DUCT
TON - TON OF COOLING (12,000 BTU/H)
TOP - TOP OF PIPE
TOS - TOP OF STEEL
TSP - TOTAL STATIC PRESSURE
TYP - TYPICAL
UP - UP
V - VOLT
VFD - VARIABLE FREQUENCY DRIVE
VTR - VENT THROUGH ROOF

HVAC PIPING LEGEND

HWS - HYDRONIC WATER SUPPLY
HWR - HYDRONIC WATER RETURN
STM-L# - LOW PRESSURE STEAM
CD-L# - LOW PRESSURE CONDENSATE RETURN
CWS - CHILLED WATER SUPPLY
CWR - CHILLED WATER RETURN
CNDS - CONDENSER WATER SUPPLY
CNDR - CONDENSER WATER RETURN
IFS - IN FLOOR HEATING SUPPLY
IFR - IN FLOOR HEATING RETURN
RS - REFRIGERATION SUCTION
RL - REFRIGERATION LIQUID

PLUMBING PIPING LEGEND

AW - SANITARY ACID WASTE
AV - SANITARY ACID VENT
CA - COMPRESSED AIR
CD - CONDENSATE DRAIN
FP-D - FIRE PROTECTION - DRY
FP-PA - FIRE PROTECTION - PRE-ACTION
FP-W - FIRE PROTECTION - WET
DCW - DOMESTIC COLD WATER
DHW - DOMESTIC HOT WATER
DHW - DOMESTIC HOT WATER RECIRCULATION
GW - GREASE WASTE
GV - GREASE VENT
FOS - FUEL OIL SUPPLY
FOR - FUEL OIL RETURN
LP - LIQUID PROPANE
NG - NATURAL GAS
ST-O - STORM OVERFLOW
ST-P - STORM PRIMARY
V - VENT
W - SANITARY WASTE

EXISTING DUCTWORK SYMBOLS

- SUPPLY AIR DUCT UP / DOWN
- RETURN AIR DUCT UP / DOWN
- EXHAUST AIR DUCT UP / DOWN
- OUTSIDE AIR DUCT UP / DOWN
- FLUE AIR DUCT UP / DOWN

DUCTWORK LEGEND

XXXX - RECTANGULAR DUCT SIZE
X"Ø - ROUND DUCT SIZE
XXXXXØ - FLAT OVAL DUCT SIZE

NEW DUCTWORK SYMBOLS

- SUPPLY AIR DUCT UP / DOWN
- RETURN AIR DUCT UP / DOWN
- EXHAUST AIR DUCT UP / DOWN
- OUTSIDE AIR UP / DOWN
- FLUE AIR DUCT UP / DOWN

NOTES:

THIS DRAWING IS FOR INFORMATIONAL PURPOSES ONLY. ITEMS SHOWN ARE NOT NECESSARILY USED ON THIS PROJECT.
DUCT SIZE: FIRST NUMBER INDICATES DIMENSION OF SIDE SHOWN. THE SECOND NUMBER INDICATES SIDE NOT SHOWN.

PIPING / EQUIPMENT LINE STYLES

EXISTING
DEMOLISHED
NEW

SYMBOL LEGEND

- CONNECT TO EXISTING
- DISCONNECT FROM EXISTING
- THERMOSTAT
- TEMPERATURE SENSOR (DDC)
- HUMIDITY SENSOR
- DUCT SMOKE DETECTOR
- CARBON MONOXIDE SENSOR
- CARBON DIOXIDE SENSOR
- NITROGEN DIOXIDE SENSOR
- PRESSURE SENSOR

GRILLE, REGISTER, DIFFUSER TAG

GRILLE, REGISTER, DIFFUSER TYPE.

A-XX/XX - DUCT INLET SIZE

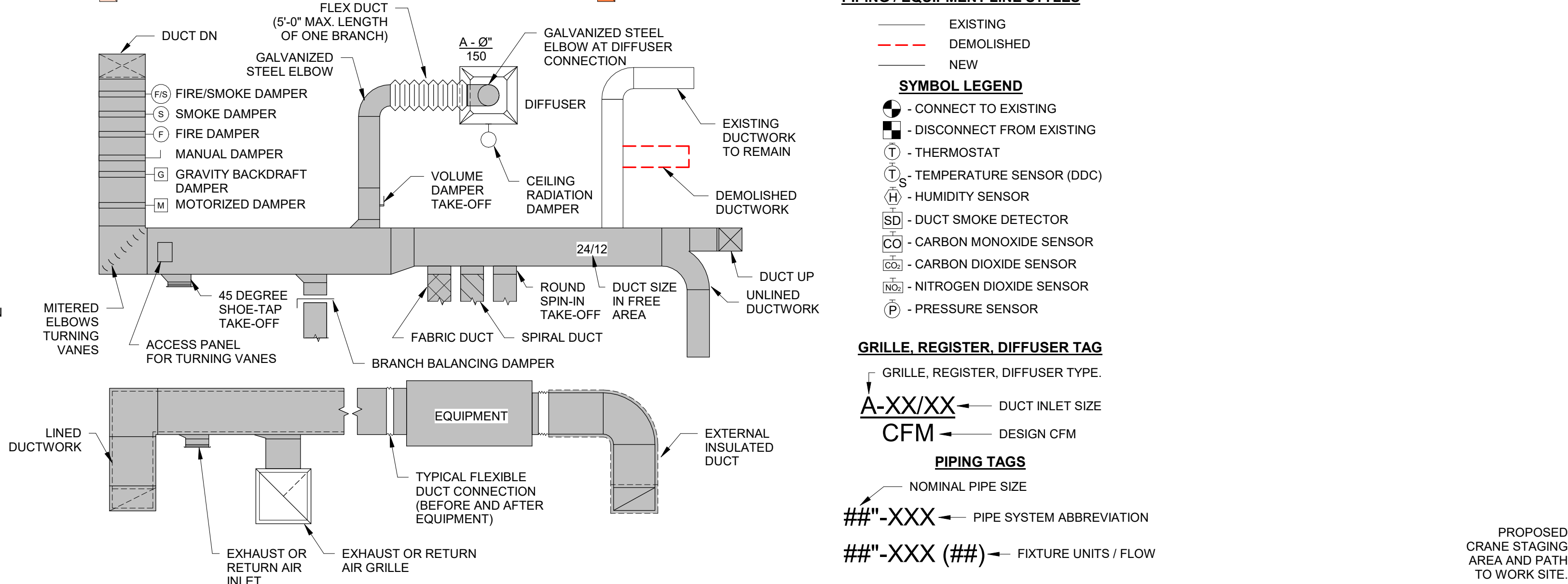
CFM - DESIGN CFM

PIPING TAGS

NOMINAL PIPE SIZE

###-XXX - PIPE SYSTEM ABBREVIATION

###-XXX (##) - FIXTURE UNITS / FLOW



PIPING SYMBOLS

- ISOLATION VALVE
- BALANCING VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- GAS COCK
- GATE VALVE
- GATE VALVE (NORMALLY CLOSED)
- GLOBE VALVE
- GLOBE VALVE (NORMALLY CLOSED)
- NEEDLE VALVE
- NEEDLE VALVE (NORMALLY CLOSED)
- 2 WAY CONTROL VALVE
- 3 WAY CONTROL VALVE
- FLOOR DRAIN
- FLOOR SINK
- WALL HYDRANT / HOSE BIBB
- REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
- UNION / FLANGE
- PIPING DROP
- INLINE PIPING DROP
- BUTTERFLY VALVE
- INLINE PIPING RISE
- PIPE CAP
- PIPE BREAK
- FLEXIBLE CONNECTOR
- RELIEF VALVE
- METER
- WALL / END CLEANOUT
- THERMOMETER
- IN LINE PUMP
- PIPE ANCHOR
- PIPE GUIDE
- STEAM TRAP

EXISTING PLUMBING PIPING LEGEND

FV - FLAMMABLE VENT
FW - FLAMMABLE WASTE
PV - PROCESS VENT
PW - PROCESS WASTE
ST-O - STORM OVERFLOW
ST-P - STORM PRIMARY
V - VENT
W - SANITARY WASTE
GW - GREASE WASTE
GV - GREASE VENT
AW - ACID WASTE
AC - ACID VENT

NEW PLUMBING PIPING LEGEND

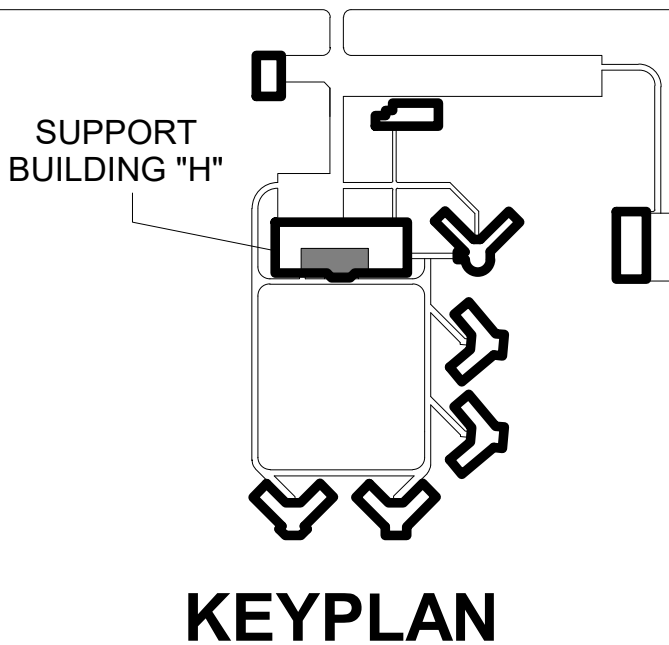
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AW - ACID WASTE
AC - ACID VENT

GENERAL MECHANICAL / PLUMBING NOTES:

- CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE PRIME CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
- DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS. WRITTEN DIMENSIONS GOVERN. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE LOCAL, STATE, AND NATIONAL LAWS, CODES, ORDINANCES, AND REGULATIONS, AS WELL AS LOCAL UTILITY REQUIREMENTS. PROVIDE ALL ADDITIONAL ACCESSORIES EQUIPMENT AND OTHER WORK NECESSARY FOR A PROPER AND OPERATIONAL INSTALLATION. TO SATISFY WARRANTY REQUIREMENTS, CODES OR STANDARDS, VERIFY THAT ALL EQUIPMENT PROVIDED IS SUITABLE FOR INTENDED USE. INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- MECHANICAL/PLUMBING DRAWINGS ARE DIAGRAMMATIC IN NATURE. ADDITIONAL OFFSETS, FITTINGS, AND ACCESSORIES MAY BE NEEDED FOR INSTALLATION OF NEW MECHANICAL ELEMENTS. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH OTHER TRADES, ARCHITECTURAL DRAWINGS, AND STRUCTURAL DRAWINGS.
- WORK NOT SPECIFICALLY SHOWN IN DETAIL, INDICATED BY REFERENCE, OR OTHERWISE IMPLIED, SHALL BE PROVIDED IN ACCORDANCE WITH THE TRADE OR INDUSTRY BEST STANDARD PRACTICE TO PROVIDE A COMPLETE INSTALLATION.
- COORDINATE CLOSELY BETWEEN MECHANICAL AND PLUMBING CONTRACTORS TO UTILIZE THE SAME SUPPORTS WHERE POSSIBLE.
- ALL EQUIPMENT, PIPING, AND DUCTWORK SHALL BE ROUTED TO AVOID CONFLICTS WITH STRUCTURE, OTHER PIPING, ETC. UNLESS SPECIFICALLY DIMENSIONED, THE PIPE AND DUCTWORK SHOWN INDICATES GENERAL LOCATION ONLY. CONTRACTOR SHALL COORDINATE.
- EXISTING CONDITIONS:
 - ALL ITEMS SHOWN ON THE DRAWINGS ARE AS ACCURATE AS COULD BE DETERMINED. THE CONTRACTOR SHALL OBTAIN EXACT LOCATIONS, SIZES, ELEVATIONS, ETC. AND SHALL SATISFACTORILY ADAPT THE NEW WORK TO THE EXISTING SITE CONDITIONS AS REQUIRED.
 - SINGLE LINE (LIGHT GRAY) LINEWORK AS SHOWN REPRESENTS EXISTING FROM PREVIOUS CONSTRUCTION PROJECTS.
 - REPAIR AND RESTORE EXISTING MECHANICAL ELEMENTS WHICH ARE AFFECTED AS PART OF THIS PROJECT. THIS INCLUDES BUT IS NOT LIMITED TO: PIPING AND DUCTWORK INSULATION, CONTROLS OF EQUIPMENT TO REMAIN IN OPERATION, ETC.
 - ANY EXISTING CONSTRUCTION OR UTILITIES THAT ARE DAMAGED BY THE CONTRACTOR OR SUBCONTRACTORS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST. PATCH AND REPAIR CEILINGS, WALLS AND FLOORS TO MATCH EXISTING ADJACENT SURFACES AFFECTED BY THE NEW WORK. UNLESS OTHERWISE INDICATED, ALL EXISTING UTILITIES TO REMAIN IN PLACE.
 - COORDINATE ALL FLOOR DRAIN LOCATIONS, ELEVATIONS AND FLOOR SLOPES WITH PRIME CONTRACTOR BEFORE BEGINNING WORK.
 - ALL EQUIPMENT AND MATERIALS MUST BE REMOVED FROM THE JOB SITE UNLESS WANTED FOR SALVAGE BY THE OWNER. OWNER RETAINS THE RIGHT TO KEEP ANY EQUIPMENT/MATERIALS UNTIL REMOVED FROM SITE WITH OWNER'S PERMISSION.
- ANY PAINTED SURFACES AFFECTED BY NEW WORK THAT REQUIRES PATCHING OR REPAIR SHALL BE REPAINTED WITH A MINIMUM OF TWO COATS OF PAINT TO MATCH EXISTING ADJACENT COLOR. THIS WORK BY PRIME CONTRACTOR.
- PIPING:
 - ROUTE PIPING IN ORDERLY MANNER AND MAINTAIN GRADIENT. ROUTE PARALLEL AND PERPENDICULAR TO WALLS. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS, OR CONNECTED EQUIPMENT. PROVIDE ACCESS WHERE VALVES AND FITTINGS ARE NOT EXPOSED. INSULATED PIPES CONVEYING FLUIDS BELOW AMBIENT TEMPERATURE: INSULATE ENTIRE SYSTEM INCLUDING FITTINGS, VALVES, UNIONS, FLANGES, STRAINERS, FLEXIBLE CONNECTIONS, PUMP BODIES, AND EXPANSION JOINTS. CONTINUE INSULATION THROUGH WALLS, SLEEVES, PIPE HANGERS, AND OTHER PIPE PENETRATIONS.
 - PIPING ABOVE SUSPENDED CEILINGS SHALL BE INSTALLED A MINIMUM OF 6" ABOVE THE CEILING LEVEL.
 - PIPING SIZES TO EQUIPMENT, AND EQUIPMENT SUPPORTS SHALL BE VERIFIED AND ADJUSTED TO MATCH THE ACTUAL EQUIPMENT PROVIDED.
 - ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- DUCTWORK:
 - INSTALL, SUPPORT, AND SEAL DUCTS IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. FLEXIBLE DUCTS: CONNECT TO METAL DUCTS WITH LIQUID ADHESIVE PLUS TAPE. VERIFY THAT DUCTS HAVE BEEN TESTED BEFORE APPLYING INSULATION MATERIALS.
 - PROVIDE DUCT ACCESS DOORS FOR INSPECTION AND CLEANING BEFORE AND AFTER FILTERS, COILS, FANS, AUTOMATIC DAMPERS, AT FIRE DAMPERS, COMBINATION FIRE AND SMOKE DAMPERS, AND ELSEWHERE AS INDICATED.
 - AT FANS AND MOTORIZED EQUIPMENT ASSOCIATED WITH DUCTS, PROVIDE FLEXIBLE DUCT CONNECTIONS IMMEDIATELY ADJACENT TO THE EQUIPMENT.
 - PROVIDE BALANCING DAMPERS ON DUCT TAKE-OFF TO DIFFUSERS, GRILLES, AND REGISTERS, REGARDLESS OF WHETHER DAMPERS ARE SPECIFIED AS PART OF THE DIFFUSER, GRILLE, OR REGISTER ASSEMBLY. PROVIDE ADDITIONAL BALANCING DAMPERS WHERE NECESSARY TO BALANCE DIFFUSER AIR FLOWS.
- PROVIDE PHASING SCHEDULE TO OWNERS SHOWING AREAS OF WORK AND HVAC INTERRUPTIONS TO MINIMIZE DOWNTIME.
- SEAL AND FIRE CAULK ALL PENETRATIONS AS NECESSARY TO MAINTAIN FIRE RATING.
- ALL FIELD CHANGES ARE TO BE PRE-APPROVED.
- ALL TRADES SHALL HAVE PRE-WORK CONFERENCE AND COORDINATION TO SCHEDULE WORK, PLAN WORK, DETAIL WORK TO PROVIDE CLEAN, COMPACT, AND THOUGHTFUL CONSIDERED LAYOUT OF EQUIPMENT, DUCT, CONDUIT, PIPE, ETC.

SHEET INDEX

SHEET #	SHEET TITLE
GENERAL MECHANICAL	
GM0-00	DIV 22,23 SYMBOLS / ABBREVIATIONS
MECHANICAL	
M1-12	SECOND FLOOR HVAC PLANS
M1-22	SECOND FLOOR PLUMBING PLANS
M6-11	PLUMBING SCHEDULES, ISOMETRICS, AND DETAILS
M7-11	REFERENCE PHOTOS AND NOTES



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PROJECT

N.C.F. DIETARY & LAUNDRY HOT WATER TANK REPLACEMENT

NEWTON IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	26-34495
FILE NAME	
DRAWN BY	HP, ACH
DESIGNED BY	ACH
REVIEWED BY	AWP
ORIGINAL ISSUE DATE	09/09/26
CLIENT PROJECT NO.	9522.00

TITLE

DIV 22,23 SYMBOLS / ABBREVIATIONS

SHEET

GM0-00

PROJECT INDEX:

OWNER:

IOWA DEPARMENT OF CORRECTIONS
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NEWTON, IOWA 50208
641.791.1414

PROJECT ADDRESS:

NEWTON CORRECTIONAL FACILITY
307 S 60th Ave W, Newton
NEWTON, IOWA 50208

MANAGING OFFICE:

I & S GROUP, INC. (ISG)

PROJECT MANAGER: ADAM PULS
EMAIL: ADAM.PULS@ISGINC.COM

REFERENCE SCALE
1"=1'
0 1/4" 1/2" 1" 2"

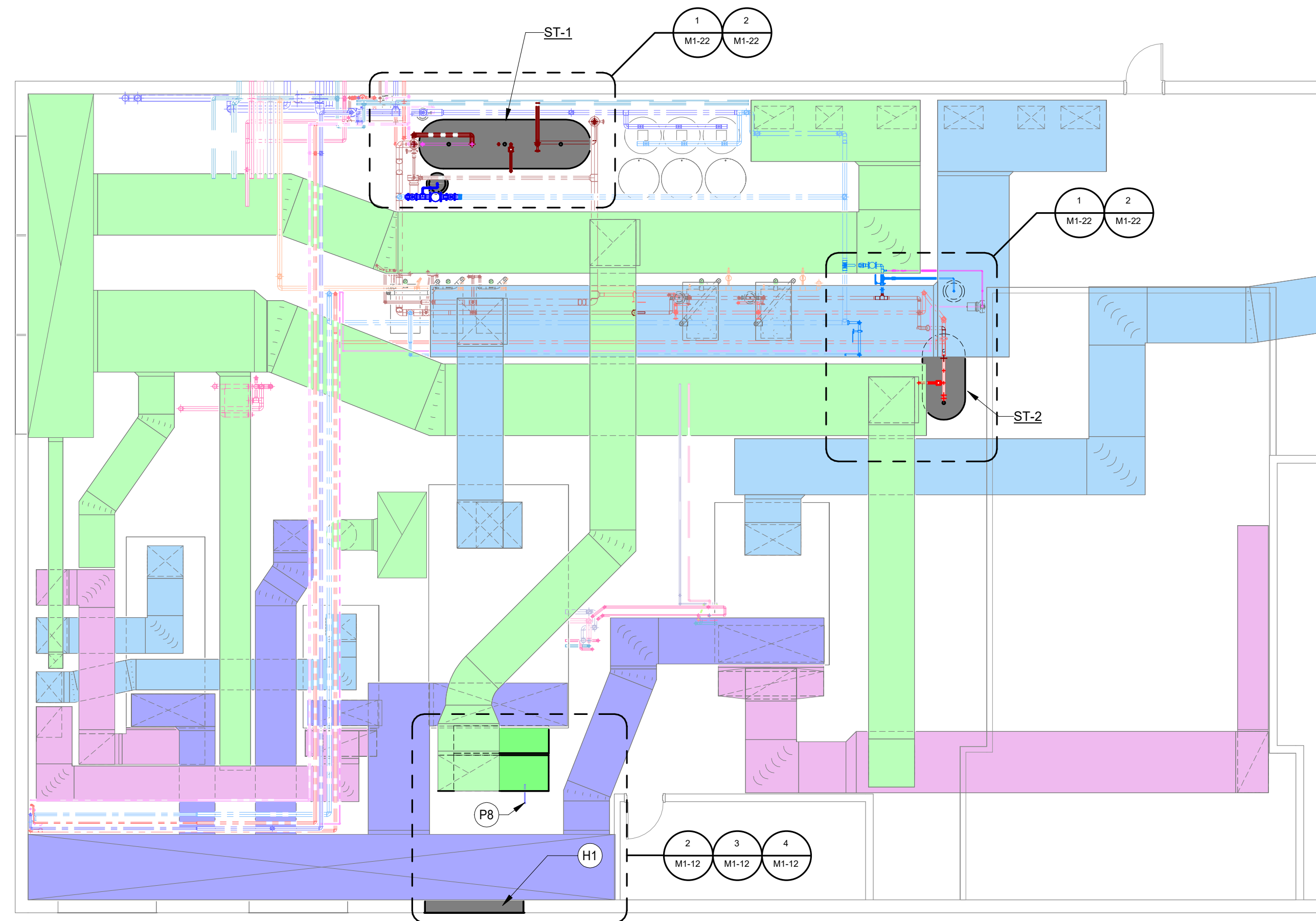
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SHEET NOTES

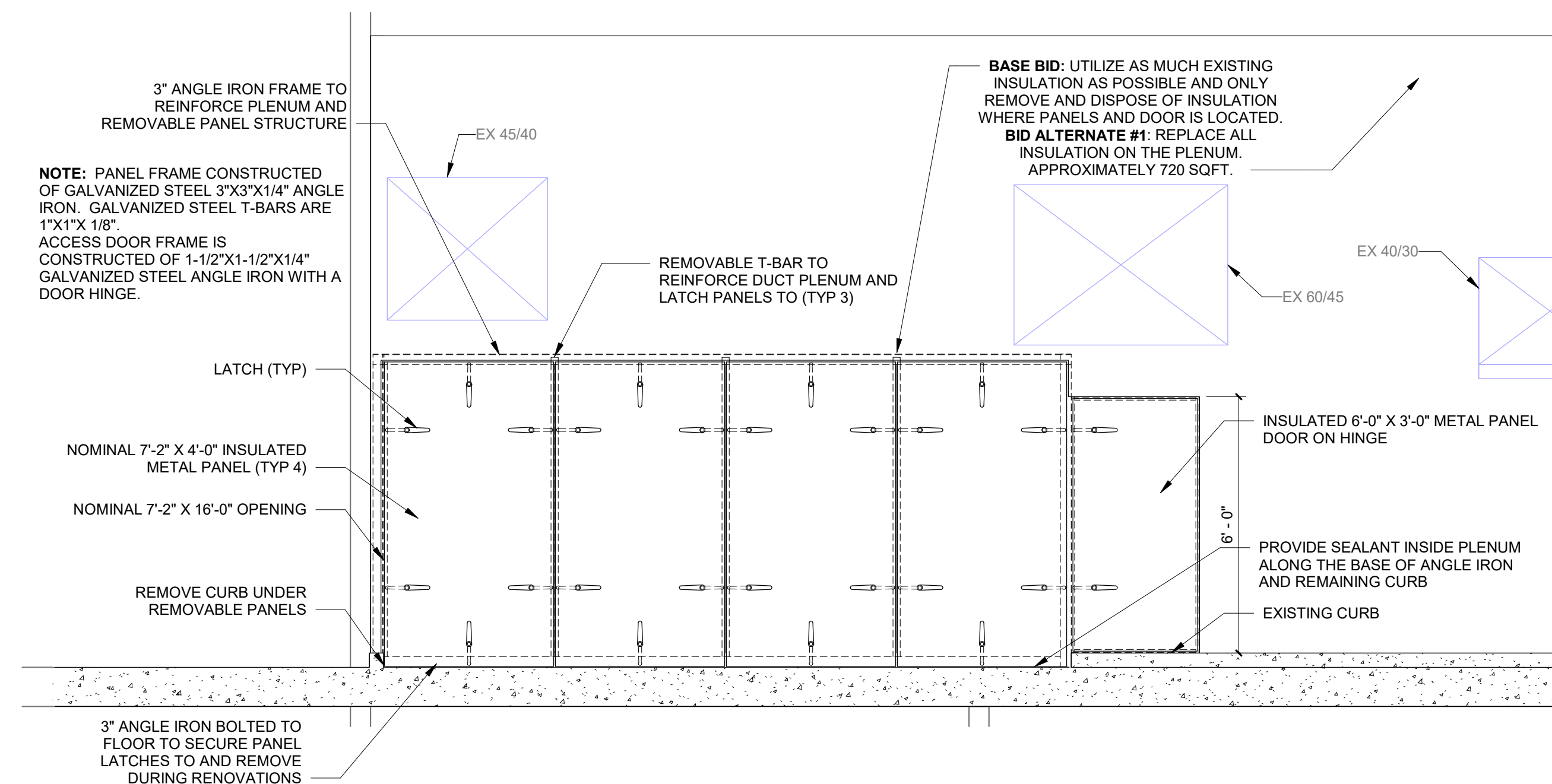
1. FIELD VERIFY ALL SITE CONDITIONS BEFORE STARTING CONSTRUCTION.
2. ALL EXISTING DUCTWORK, PIPING, EQUIPMENT, ETC. INDICATED ON PLANS ARE BASED ON INFORMATION FROM CONSTRUCTION DOCUMENTS AND FIELD VERIFICATION OF EXISTING BUILDING.
3. COORDINATE INSTALLATION OF ALL NEW DUCTWORK, PIPING, EQUIPMENT, ETC. WITH OTHER TRADES.

KEYNOTE LEGEND

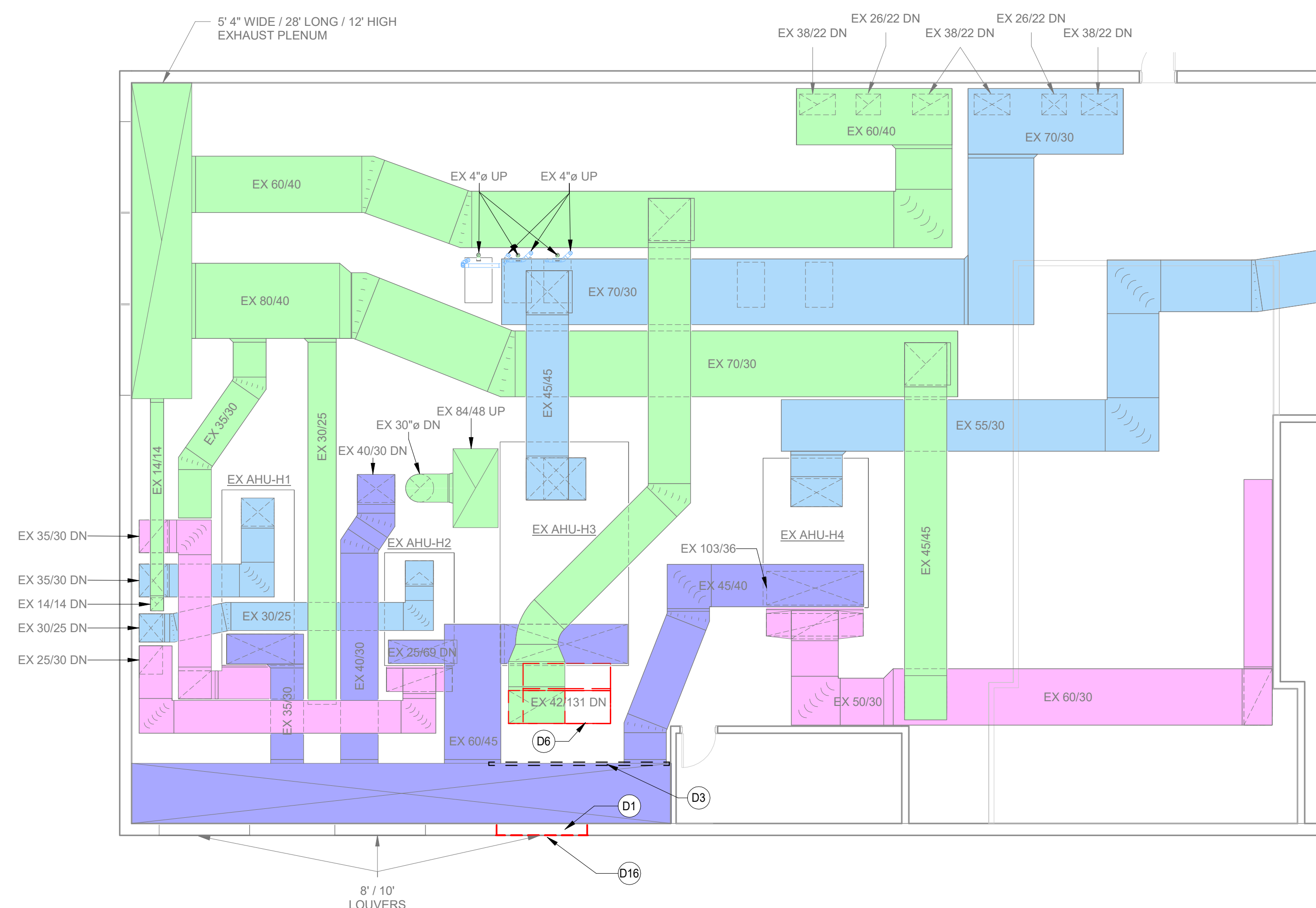
- D1 REMOVE AND SALVAGE LOUVERS TO FACILITATE REMOVAL AND INSTALLATION OF WATER TANKS.
- D3 PORTION OF PLENUM TO BE DEMOLISHED. SEE SCHEMATIC DETAIL 3 / M1-12.
- D6 REMOVE AND SALVAGE EXISTING DUCT ELBOW AND ANGLE IRON SUPPORTS FOR THE NEW EQUIPMENT PATH OF TRAVEL.
- D16 WHEN WORK WRAPS UP FOR THE DAY, LOUVER OPENING NEEDS TO BE SEALED OR LOUVER REINSTALLED.
- H1 PROJECT SCOPE: DISCONNECT AND REMOVE EXISTING DOMESTIC HOT WATER STORAGE TANKS. REMOVE LOUVERS AND INDICATED PORTIONS OF PLENUM TO FACILITATE MOVING NEW DOMESTIC HOT WATER STORAGE TANKS INTO MECHANICAL ROOM. INSTALL NEW DOMESTIC HOT WATER STORAGE TANKS INTO EXISTING DOMESTIC WATER HEATING SYSTEMS. COORDINATE WITH PRIME CONTRACTOR TO CRANE EQUIPMENT THROUGH LOUVER OPENING. REPLACE LOUVERS AND CREATE REMOVABLE PANELS IN PLENUM FOR FUTURE RENOVATIONS. INSULATE AS SPECIFIED. ALTERNATE #3: OWNER HAS EXISTING STORED ELECTRICAL TRANSFORMER TO MOVE INTO MECHANICAL ROOM DURING CONSTRUCTION. COORDINATE CRANE LIFT WITH PRIME CONTRACTOR AND OWNER.
- H2 SHEET METAL CONTRACTOR TO PROVIDE REMOVABLE PANEL SYSTEM AND ACCESS DOOR FOR CURRENT AND FUTURE RENOVATIONS. COORDINATE WITH PRIME CONTRACTOR TO REMOVE CURB UNDER DEMOLISHED PORTION OF PLENUM. SEE REMOVABLE PANEL SCHEMATIC DETAIL 3 / M1-12.
- H3 RE-INSTALL EXISTING LOUVERS.
- H4 ELBOW SERVES EXHAUST AIR OF THE AIR HANDLER. CLOSE OAVEA DAMPERS DURING WHILE ELBOW IS REMOVED. REINSTALL SALVAGED DUCT ELBOW AND SUPPORTS AFTER NEW EQUIPMENT HAS BEEN STAGED.
- P8 EXISTING SPRINKLER HEAD LOCATED HERE. DISCONNECT BACK TO EXISTING SHUT-OFF VALVE. REINSTALL SPRINKLER AFTER DUCT ELBOW HAS BEEN REINSTALLED.



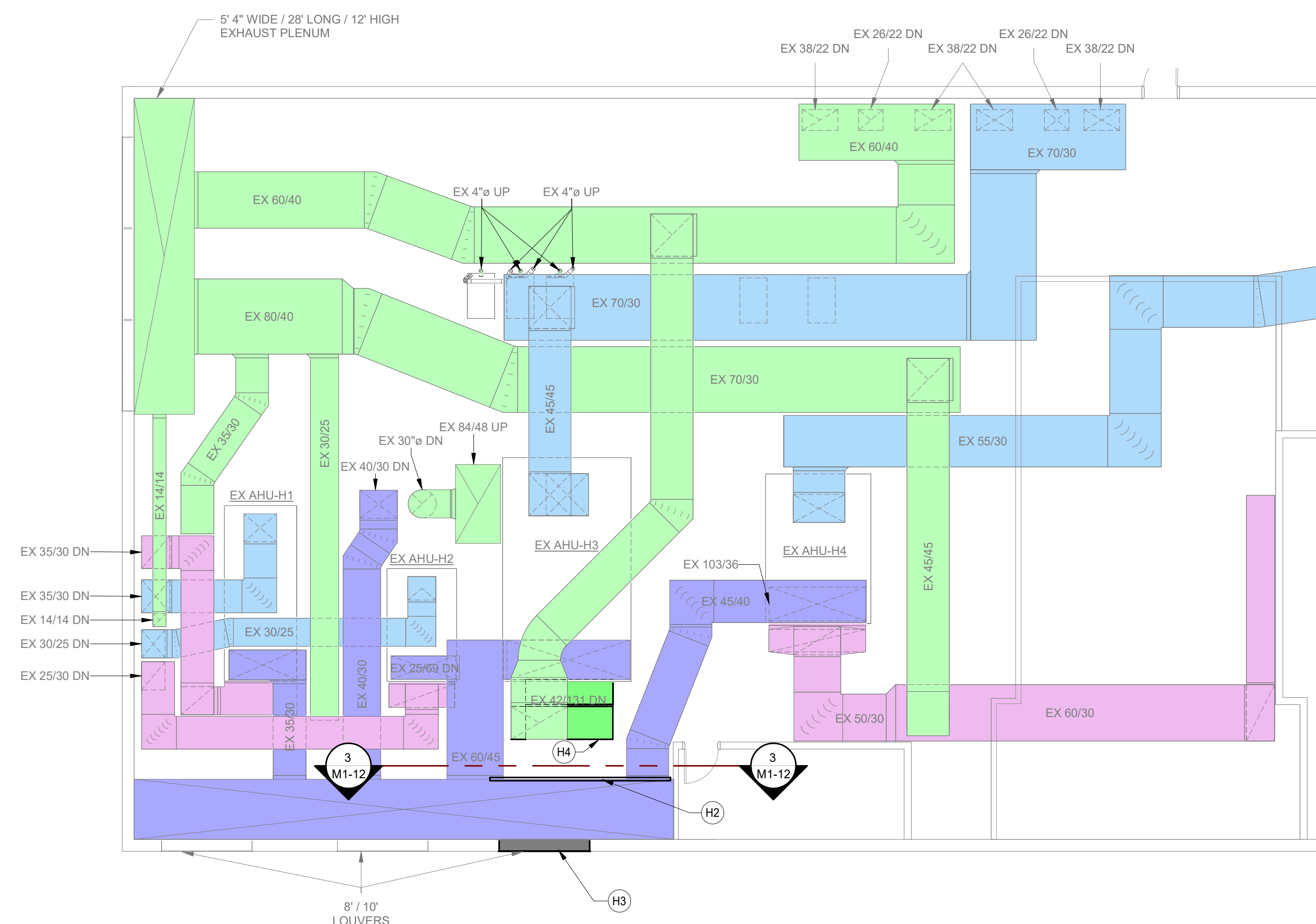
1 SECOND FLOOR OVERALL MECHANICAL PLAN
1/8" = 1'-0"



3 SECTION AT OUTSIDE AIR PLENUM - REMOVABLE PANEL SCHEMATIC
3/8" = 1'-0"



2 SECOND FLOOR HVAC DEMOLITION PLAN
1/8" = 1'-0"



4 SECOND FLOOR NEW HVAC PLAN
1/8" = 1'-0"

SUPPORT
BUILDING "H"

KEYPLAN

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NEWTON

IOWA

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PROJECT NO. 26-34495

FILE NAME HP_ACH

DESIGNED BY ACH

REVIEWED BY AWP

ORIGINAL ISSUE DATE 09/09/26

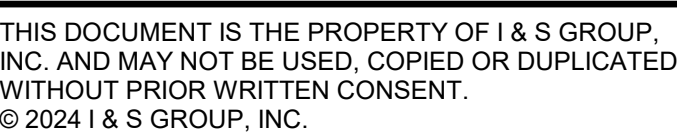
CLIENT PROJECT NO. 9522.00

TITLE

SECOND FLOOR HVAC PLANS

SHEET

M1-12



PROJECT

N.C.F. DIETARY & LAUNDRY HOT WATER TANK REPLACEMENT

NEWTON IOWA

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PROJECT NO.	26-34495
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DRAWN BY	HP, ACH
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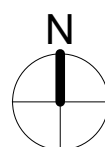
**SECOND FLOOR
PLUMBING PLANS**

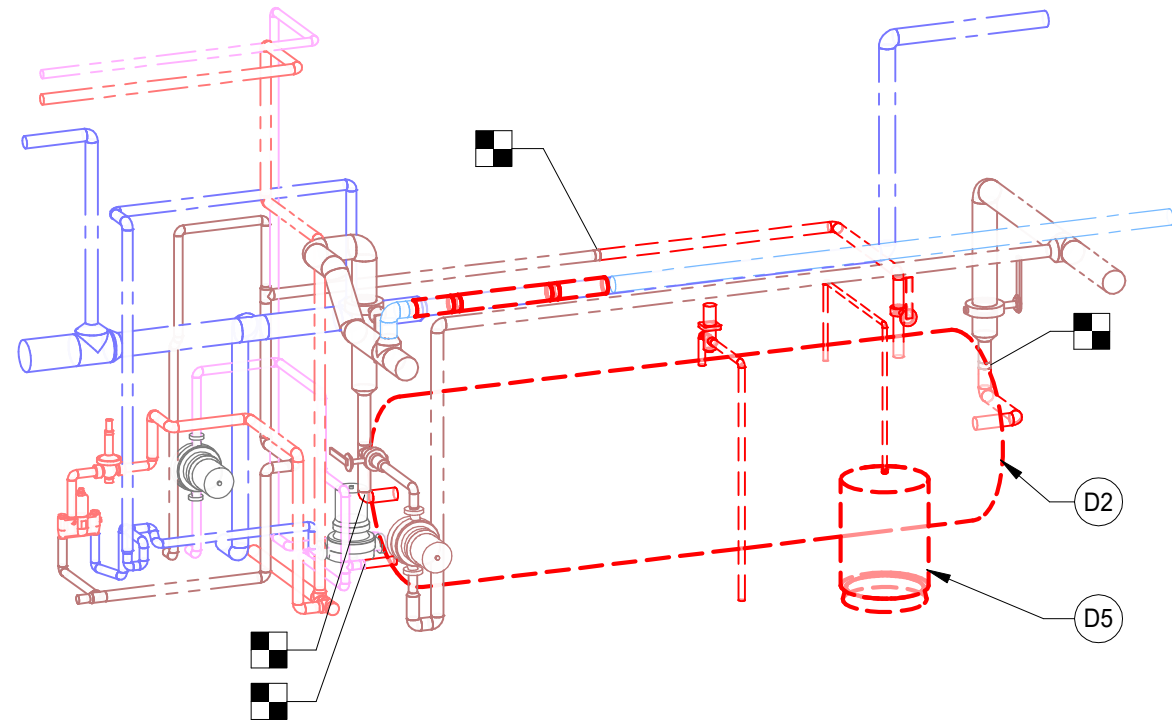
SHEET

M1-22

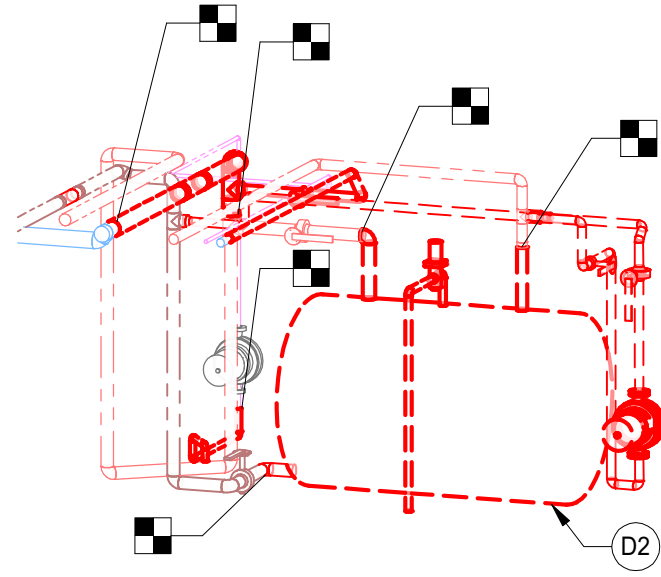


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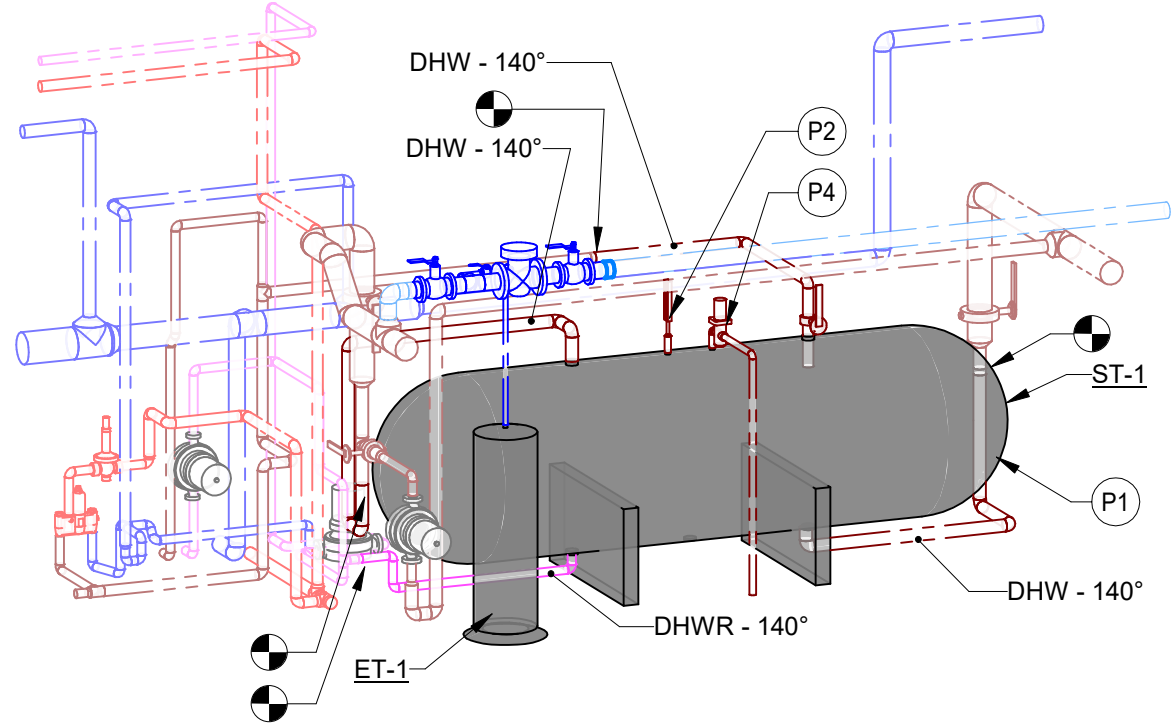




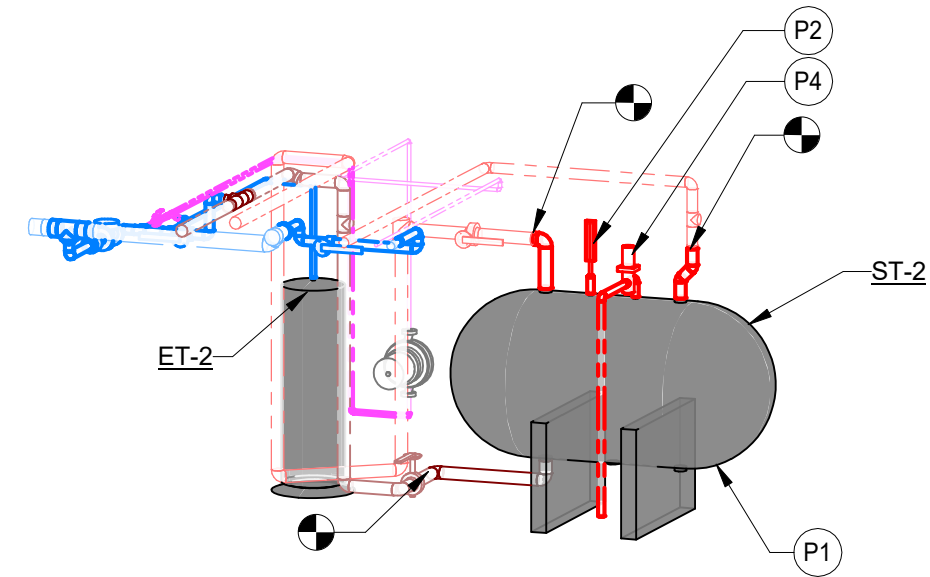
2 DEMOLITION ISOMETRIC - 140° STORAGE TANK



4 DEMOLITION ISOMETRIC - 160° STORAGE TANK



1 NEW PIPING ISOMETRIC - 140° STORAGE TANK



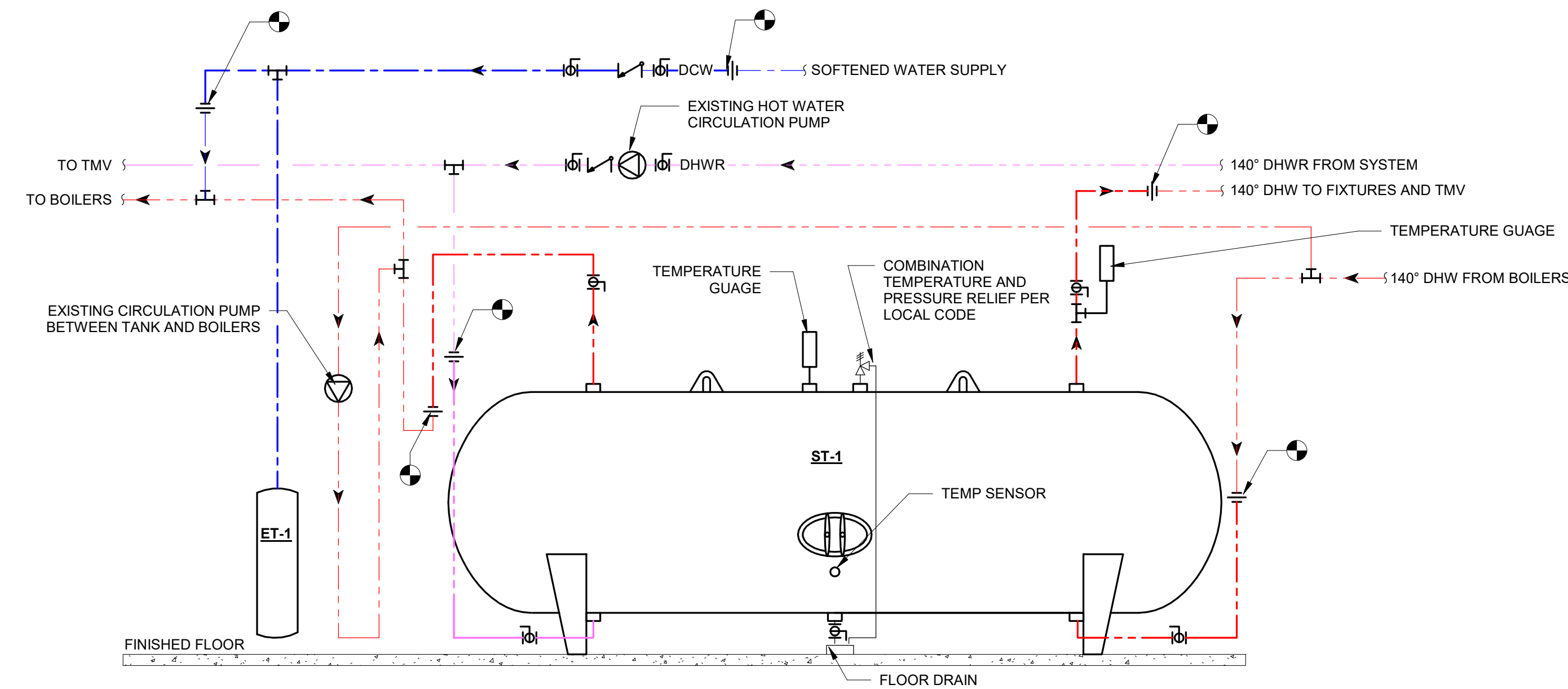
3 NEW PIPING ISOMETRIC - 160° STORAGE TANK

STORAGE TANK SCHEDULE

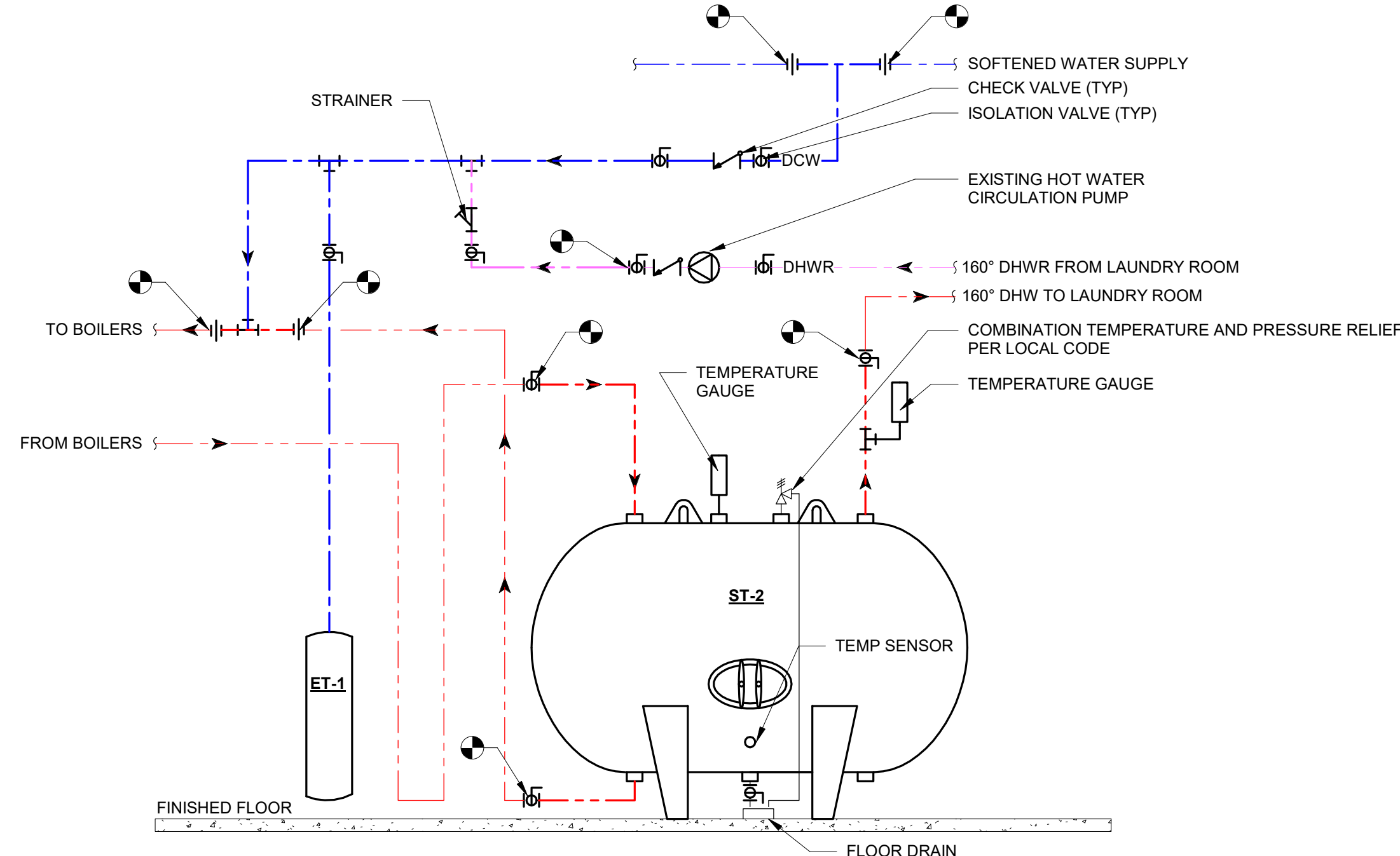
MARK	MFG	MODEL	LOCATION	SERVICE	TANK VOL.	FITTING SIZE	DIAMETER	LENGTH	NOTES
ST-1	LAARS	STHDI 48168	MECHANICAL ROOM	140° DOMESTIC HOT WATER	1225	3"	48"	168"	1,2
ST-2	LAARS	STHDI 48084	MECHANICAL ROOM	160° DOMESTIC HOT WATER	580	3"	48"	84"	1,2

EXPANSION TANK SCHEDULE

MARK	MFG	MODEL	TANK VOLUME (GAL)	WEIGHT (LBS)	MAX. OPERATING TEMPERATURE	WORKING PRESSURE (MAX. PSI)	DIAMETER (IN)	HEIGHT (IN)	NOTES
ET-1	TACO	PAX130-150	34	200	240	150	16	52.5	1,2
ET-2	TACO	PAX130-150	34	200	240	150	16	52.5	1,2



5 ST-1 DETAIL
NOT TO SCALE



8 ST-2 DETAIL
NOT TO SCALE

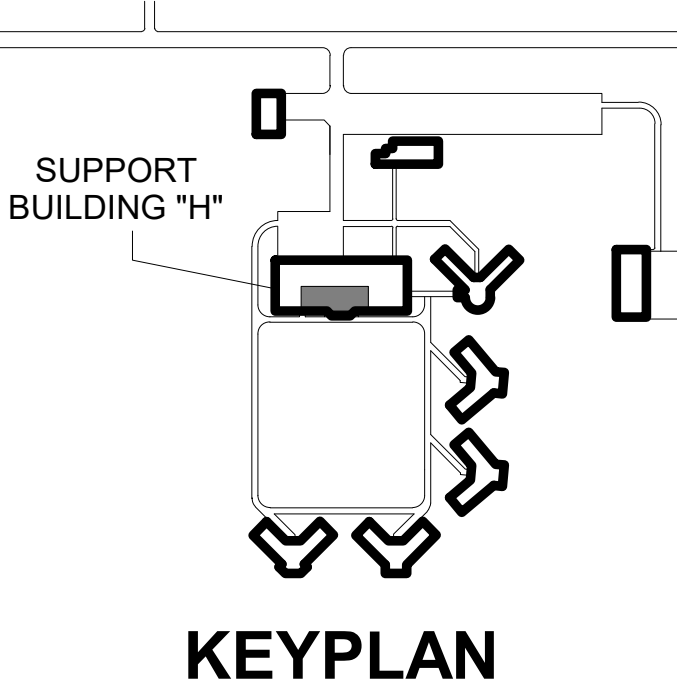
SHEET NOTES

- FIELD VERIFY ALL SITE CONDITIONS BEFORE STARTING CONSTRUCTION.
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- COORDINATE INSTALLATION OF ALL NEW DUCTWORK, PIPING, EQUIPMENT, ETC. WITH OTHER TRADES.

KEYNOTE LEGEND

- D2 REMOVE AND DISPOSE OF EXISTING STORAGE TANK AND PIPING AS NOTED ON PLANS.
- D5 REMOVE AND DISPOSE OF EXISTING EXPANSION TANK.
- P1 INSTALL NEW STORAGE TANK. INSTALL NEW PIPE TO TANK AND MATCH EXISTING PIPE SIZES.
- P2 PROVIDE NEW TEMPERATURE GAUGE.
- P4 PROVIDE NEW 1&P RELIEF VALVE AND DISCHARGE PIPE. ROUTE PIPE TO NEAREST FLOOR DRAIN AND TERMINATE WITH AIR GAP.

ISG



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**N.C.F. DIETARY & LAUNDRY
HOT WATER TANK
REPLACEMENT**

NEWTON IOWA

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TITLE

**PLUMBING
SCHEDULES,
ISOMETRICS, AND
DETAILS**

SHEET

M6-11

EXISTING LAUNDRY STORAGE TANK



PHOTO 1
FACING NORTH EAST



PHOTO 2
FACING EAST

EXISTING DIETARY STORAGE TANK



PHOTO 3
FACING NORTH



PHOTO 4
FACING NORTH



PHOTO 5
FACING NORTH WEST

STAGING AREA

LOUVER BEING REMOVED
AND REINSTALLED



PHOTO 6
FACING NORTH AT STAGING AREA



PHOTO 7
FACING SOUTH TOWARDS STAIR ACCESS AND PLENUM

- DOOR TO STAIRS
- LOUVER BEHIND THIS PLENUM
- PATH OF TRAVEL TO BOILERS FROM PLENUM

EXISTING PLENUM AND DUCT ELBOW



PHOTO 8
FACING WEST AT ELBOW TO REMOVED AND REINSTALLED



PHOTO 9
FACING WEST AT ELBOW TO REMOVED AND REINSTALLED



PHOTO 10
FACING SOUTH WEST AT PLENUM



PHOTO 11
FACING NORTH EAST INSIDE PLENUM



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PROJECT

N.C.F. DIETARY & LAUNDRY HOT WATER TANK REPLACEMENT

NEWTON IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	26-34495
FILE NAME	
DRAWN BY	HP, ACH
DESIGNED BY	ACH
REVIEWED BY	AWP
ORIGINAL ISSUE DATE	09/09/26
CLIENT PROJECT NO.	9522.00

TITLE

REFERENCE PHOTOS AND NOTES

SHEET

M7-11