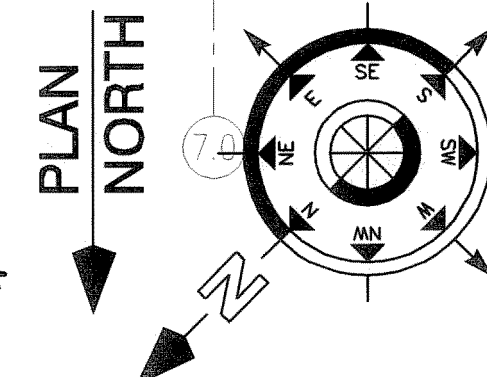


(B7) TRENCH SECTION — NEAR BOILER

SCALE: 1" = 1'-0"

0 6" 1'

TYPICAL FOR THREE



- A. REFER TO DRAWING MP001 FOR TYPICAL SYMBOLS AND ABBREVIATIONS USED ON THIS DRAWING.
- B. ALL LOUVERS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
- C. ALL STEAM PIPING SHALL COME OFF TOP OF MAIN STEAM PIPE.
- D. ALL STEAM AND CONDENSATE PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH ASTM B 31.
- E. VALVES LOCATED ABOVE 7 FEET ABOVE FINISHED FLOOR OR PLATFORM SHALL BE PROVIDED WITH CHAIN OPERATORS.

1. 8" MAIN HIGH PRESSURE STEAM PIPE UP TO MEZZANINE. (SEE MP104 FOR CONTINUATION)
2. 6" HIGH PRESSURE STEAM UP TO MEZZANINE. (SEE MP104 FOR CONTINUATION)
3. 6" HIGH PRESSURE STEAM PIPE. PROVIDE VALVE AND BLIND FLANGE. PIPE RISER SHOWN FOR REFERENCE ONLY.
4. 6" HIGH PRESSURE STEAM PROVIDED FOR EMERGENCY BOILER CONNECTION OR FUTURE BUILDING EXPANSION. (SEE MP104 FOR CONTINUATION)
5. 6" HIGH PRESSURE STEAM PIPE UP TO MEZZANINE. (SEE MP104 FOR CONTINUATION) PROVIDE STEAM SILENCER IN VERTICAL RISER FOR BOILER-BURNER TESTING AND ADJUSTING.

6. 4" HIGH PRESSURE STEAM UP TO MEZZANINE. (SEE MP104 FOR CONTINUATION)
7. 4" BOILER FEEDWATER PUMP DISCHARGE HEADER #1 UP. (SEE MP104 FOR CONTINUATION)
8. 4" BOILER FEEDWATER PUMP DISCHARGE HEADER #2 UP. (SEE MP104 FOR CONTINUATION)
9. 4" BOILER FEEDWATER PUMP SUCTION UP. (SEE MP104 FOR CONTINUATION)
10. 3" CONDENSATE TRANSFER PUMP SUCTION UP. (SEE MP104 FOR CONTINUATION)
11. 3" CONDENSATE TRANSFER PUMP DISCHARGE UP. (SEE MP104 FOR CONTINUATION)
12. 2" BOILER FEEDWATER PIPES DOWN TO BOILER AND UP. (SEE MP104 FOR CONTINUATION)
13. 4" BOILER FEEDWATER HEADERS DOWN TO EMERGENCY CONNECTION AND UP TO MEZZANINE. (SEE MP104 FOR CONTINUATION)
14. (2) 4" VALVES (STACKED) AND BLIND FLANGES. PROVIDE 3/4" HOSE END DRAIN VALVES ON BOTTOM OF 4" FWP PIPES.
15. 1-1/2" PUMPED CONDENSATE FROM BASEMENT AND UP TO MEZZANINE. (SEE MP101 AND MP104 FOR CONTINUATION)
16. VENT DOWN TO BASEMENT AND UP TO MEZZANINE. (SEE MP101 AND MP104 FOR CONTINUATION)
17. 1" HIGH PRESSURE RETURN DOWN TO BASEMENT AND UP TO MEZZANINE. (SEE MP101 AND MP104 FOR CONTINUATION)
18. 16X14 EXHAUST DUCT DOWN TO BASEMENT. (SEE MP101 FOR CONTINUATION)
19. REFRIGERANT PIPING UP TO MEZZANINE. (SEE MP104 FOR CONTINUATION)
INSTALL REFRIGERANT PIPING PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
20. 12" SUPPLY DUCT UP TO MEZZANINE. (SEE MP104 FOR CONTINUATION)
21. MECHANICAL CONTRACTOR SHALL PROVIDE 8" DEEP SHEET METAL PLENUM TO MOUNT MOTOR OPERATED DAMPERS. OVERALL DAMPER SIZE SHALL MATCH OVERALL LOUVER SIZE (APPROXIMATELY 10' WIDE X 15' HIGH). SEE ARCHITECTURAL DRAWINGS FOR EXACT SIZE. MULTIPLE DAMPERS/ACTUATORS SHALL BE PROVIDED AS REQUIRED TO MEET THE AREA OF THE LOUVER. EACH ACTUATOR SHALL BE INDUSTRIAL GRADE, PROVIDED WITH 120V POWER CONNECTION, END SWITCH AND TWO CONTRACTS (FOR ALARMS).
22. 1-1/2" LOW PRESSURE STEAM DOWN TO BASEMENT AND UP TO MEZZANINE. (SEE MP101 AND MP104 FOR CONTINUATION)
23. LOW AIR INTAKE STORM RATED LOUVER BY GENERAL CONTRACTOR WITH A MINIMUM OF 102 SQ. FT. OF FREE AREA.
24. FAN SHALL BE INTERLOCKED WITH LIGHT SWITCH/OCCUPANCY SENSOR BY DIVISION 26.
25. BOILER CONTROL PANEL. ROUTE TO MASTER CONTROL PANEL AT CONTROL ROOM (101).
26. 6" OUTSIDE AIR DUCT FROM MEZZANINE. (SEE MP104 FOR CONTINUATION)
27. 1" HIGH PRESSURE CONDENSATE RETURN DOWN TO BASEMENT AND UP TO MEZZANINE. (SEE DRAWINGS MP101 AND MP104 FOR CONTINUATION)
28. 6" NATURAL GAS PIPING UP TO MEZZANINE. (SEE MP104 FOR CONTINUATION)
29. MOUNT 12" ABOVE FINISHED FLOOR.
30. MOUNT GRILLE/REGISTER A MINIMUM 8"-0" ABOVE FINISHED FLOOR.
31. 1-1/4" LOW PRESSURE STEAM CONDENSATE RETURN DOWN TO BASEMENT. (SEE MP101 FOR CONTINUATION)
32. 1-1/4" HIGH PRESSURE STEAM CONDENSATE RETURN DOWN TO BASEMENT. (SEE MP101 FOR CONTINUATION)

—◆—◆— (2) HOUR FIRE BARRIER

CMU, SEE ARCHITECTURAL PLANS FOR SIZES

THE MECHANICAL CONTRACTOR SHALL TAKE THE LEAD IN PREPARATION OF COORDINATION DRAWINGS SUCH DRAWINGS SHALL BE ARRANGED AND DESIGNED THROUGH AND FROM COORDINATIONS WITH ALL OTHER MAJOR AND MINOR SUBCONTRACTORS AND THE GENERAL CONTRACTOR. PROVIDE FOR THE FOLLOWING: PROVIDE A MECHANICAL ROOM REQUIREMENT LIST TO COORDINATE ALL NEW WORK WITH ITSELF AND EXISTING CONDITIONS. DRAW TO SCALE (AT NOT LESS THAN 1/8" = 1'-0"). DRAWINGS SHALL SHOW, BUT NOT BE LIMITED TO: ALL WALL RATINGS; ALL DUCTWORK; AIR ALLOCATION; MECHANICAL EQUIPMENT MECHANICAL PLUMBING, FIRE PROTECTION PLUMBING; ALL PLUMBING PIPING, CABLE TRAYS (WITH ELEVATIONS NOTED); LIGHTING FIXTURES (WHEN CEILING MOUNTED); CEILING GRID SYSTEMS; FLOOR JOISTS; FLOOR SLABS; ROOF DECK; ROOF STRUCTURE; ROOF VENTILATION ALARM DEVICES AND SPEAKERS (WHERE CEILING MOUNTED); ELECTRICAL CONDUITS LARGER THAN 2-INCH DIAMETER; ELECTRICAL BUSWAY AND REQUIRED CLEARANCES; EQUIPMENT PROVIDED BY OTHERS THAT PROJECT INTO CEILING CAVERS OR IMPAIRE THE LOCATION OR ACCESS TO ABOVE CEILING PLUMBING, DUCTWORK OR OTHER EQUIPMENT. SECTIONS SHALL BE CUT THROUGH AREAS SHOWING MATERIALS AND SYSTEMS OF ALL TYPES. THERE ARE ANY OUTSTANDING ISSUES THAT CANNOT BE RESOLVED, CONSULT WITH THE ARCHITECT AND/OR ENGINEER (THROUGH THE VA COTR) FOR GUIDANCE AND MAKE CORRECTIONS IN ACCORDANCE WITH DIRECTIONS GIVEN. IT IS IMPORTANT TO NOTE THAT FABRICATION CANNOT BEGIN UNTIL COORDINATION DRAWINGS HAVE BEEN APPROVED. ANY MATERIAL, EQUIPMENT, SYSTEMS, ETC., PROCUREMENT OR INSTALLATION COMMENCED PRIOR TO APPROVAL IS TAKEN AT THE CONTRACTORS OWN RISK AND MAY HAVE TO BE MODIFIED, MOVED AND/OR RECONFIGURED AT THE CONTRACTORS COST.



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<p>Drawing Title</p> <p>PARTIAL FIRST FLOOR MECHANICAL PLAN - NORTH</p>
<p>★BUILDING IS FULLY SPRINKLERED ★</p>

Date APRIL 10, 2012
Project Number 544-11-101
DRAWING No. MP102

Veterans
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100% CONSTRUCTION DOCUMENTS