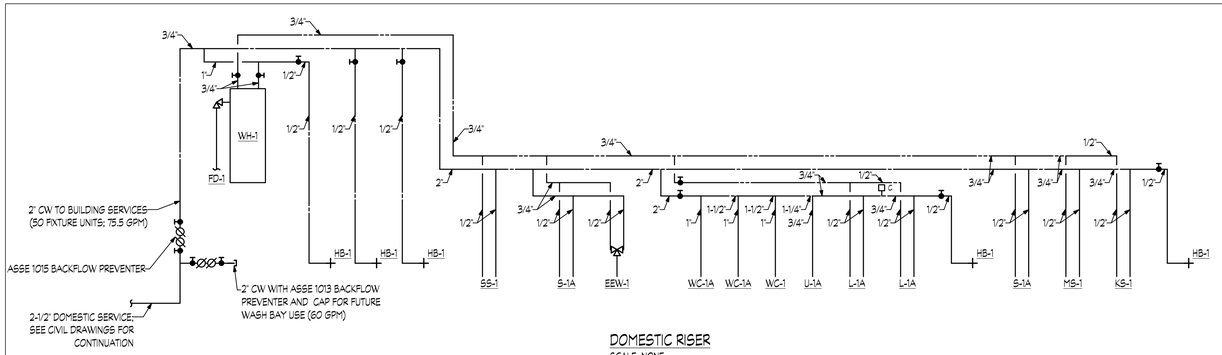
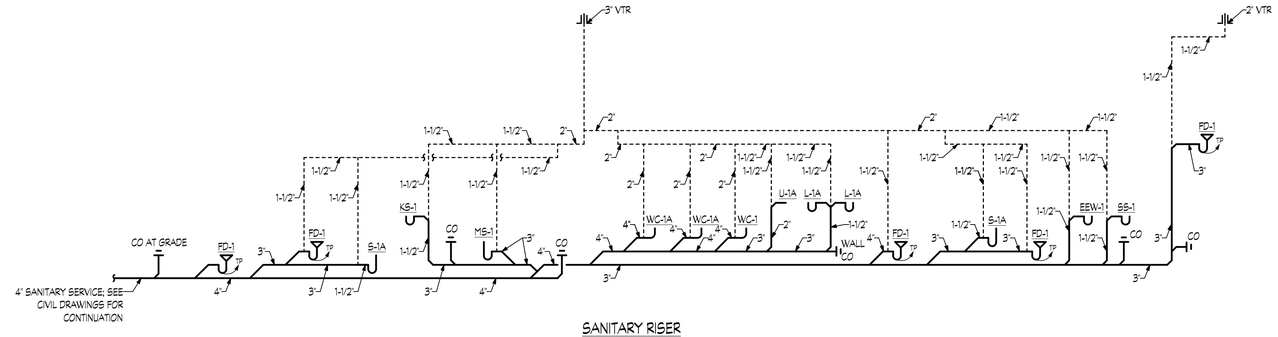


DOMESTIC RISER

SCALE: NONE

NOTES:

1. FIXTURE COUNT = 50 FIXTURE UNITS
2. MAXIMUM GPM DEMAND = 75.5 GPM FOR BUILDING SERVICES; 60 GPM FOR FUTURE WASH BAY.
3. PIPE SIZING BASED ON A VELOCITY OF 8'/SEC.

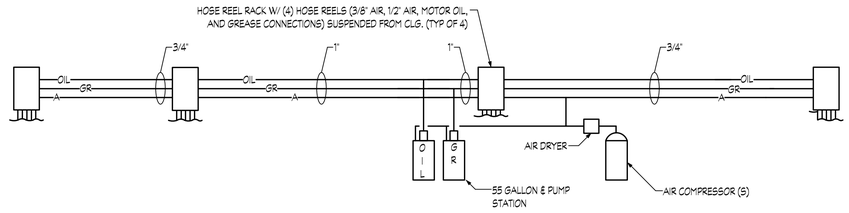


SANITARY RISER

SCALE: NONE

NOTES:

1. DRAINAGE FIXTURE COUNT = 25

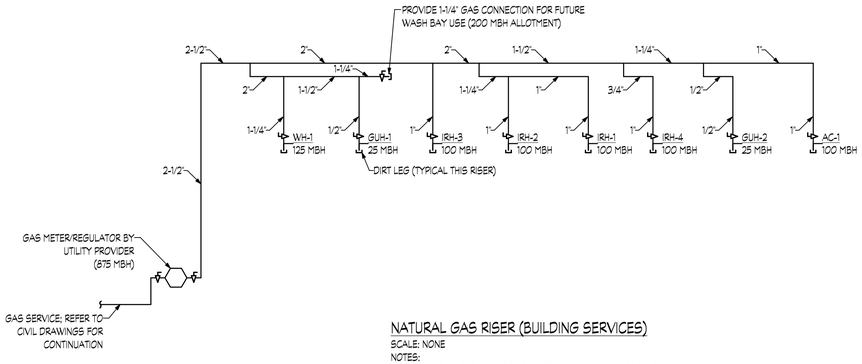


LUBE SYSTEM RISER DIAGRAM

NOT TO SCALE

NOTES:

1. COORDINATE REEL LOCATIONS WITH OTHER TRADES.

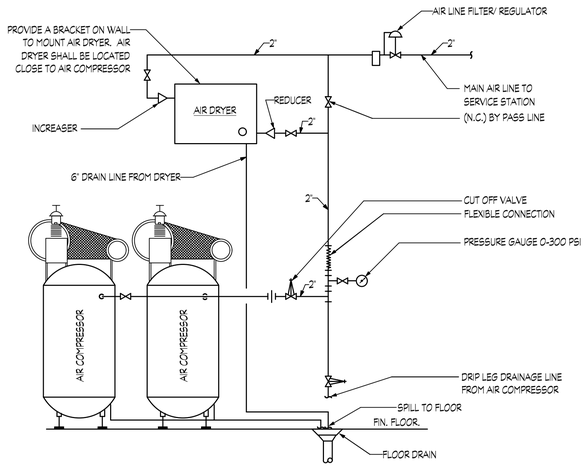


NATURAL GAS RISER (BUILDING SERVICES)

SCALE: NONE

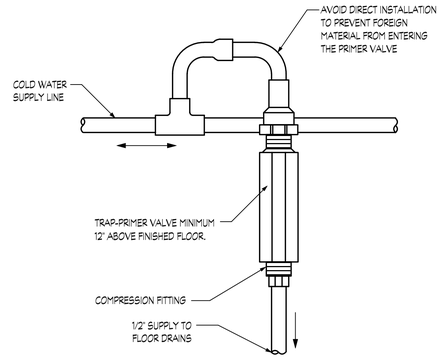
NOTES:

1. GAS LOAD = 1,895 MBH FOR TOTAL PROJECT LOAD COMPRISING THE FOLLOWING: 875 MBH @ 300' MAX EQUIVALENT LENGTH FOR BUILDING SERVICES AND A NATURAL GAS POWERED EMERGENCY GENERATOR 1,020 MBH INPUT @ 150 MAX EQUIVALENT LENGTH NOT SHOWN ON RISER. REFER TO DRAWING E-301 FOR GENERATOR LOCATION.
2. GAS PIPING SIZE BASED ON 2009 NFPA 54 TABLE 6.2(B); NATURAL GAS SCHEDULE 40 METALLIC PIPING WITH AN INLET PRESSURE OF LESS THAN 2.0 PSI WITH A PRESSURE DROP OF 0.5 IN. W.C. AND A SPECIFIC GRAVITY OF 0.60.



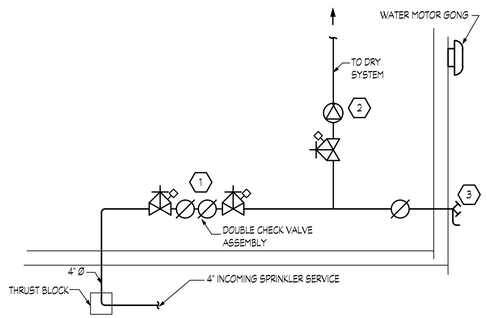
COMPRESSED AIR DETAIL

NOT TO SCALE



TRAP PRIMER PIPING DETAIL

NO SCALE



SPRINKLER RISER

NO SCALE

SPRINKLER RISER NOTES:

1. DOUBLE CHECK BACKFLOW PREVENTOR WITH DOUBLE SHUT-OFF VALVES. (VALVES TO BE TAMPERED')
2. DRY SPRINKLER SYSTEM WITH DRY PIPE VALVE, AIR-MAINTENANCE DEVICE, AIR COMPRESSOR AND QUICK OPENING DEVICE. EACH SYSTEM TO INCLUDE THE FOLLOWING:
   - LOW AIR ALARM SWITCH
   - WATER FLOW PRESSURE SWITCH
3. STANDARD PROJECTING 4 X 2 1/2" X 2 1/2" FIRE DEPARTMENT CONNECTION

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PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NUMBER: 30756
EXPIRATION DATE: 06/28/2012

PROJECT TITLE

TCC/SHORE TRANSIT BUS MAINTENANCE FACILITY - PHASE II

31955 TRI-COUNTY WAY
SALISBURY, MD. 21804

ISSUED
FOR BIDDING
DATE: 01/05/12

SHEET TITLE

PLUMBING RISERS

ISSUE BLOCK

Mark	Date	Description
2	12.21.2011	FIRE SPRINKLER ADDITION
1	11.4.2011	CODE REVIEW COMMENTS

Revision Schedule

Project Number	2009145.00
Date	01/05/12
Scale	NONE
Drawn By	PLG
Checked By	DV

P101

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