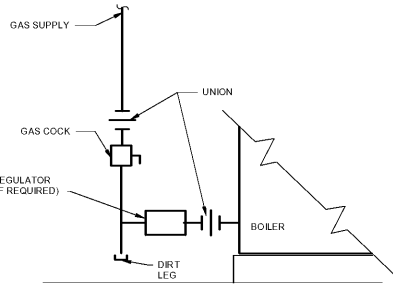
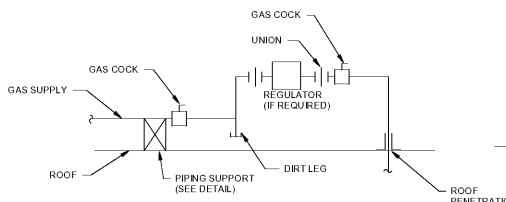


**PLUMBING GENERAL NOTES**

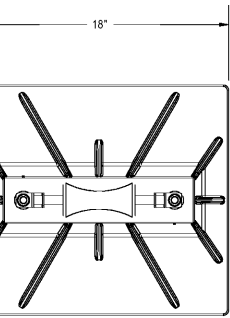
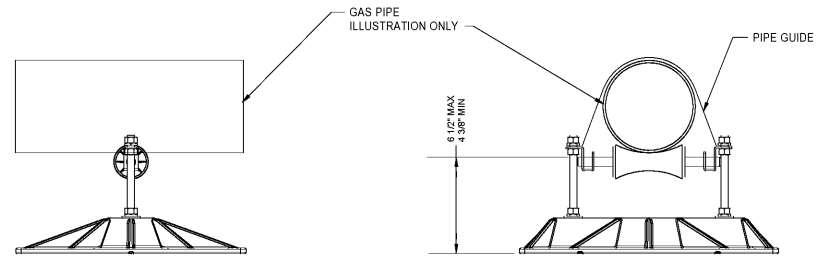
- OBTAINING ALL REQUIRED PERMITS AND PAYING ALL ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS, LOCAL, STATE AND NATIONAL CODES.
- ALL OBVIOUS ERRORS AND/OR OMISSIONS IN THE ABOVE MENTIONED DOCUMENTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION.
- THIS CONTRACTOR SHALL INSPECT THE JOB SITE WHERE THE WORK IS TO BE PERFORMED AND SHALL ACQUANT THEMSELVES WITH THE CONDITIONS UNDER WHICH IT SHALL BE EXECUTED.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS, LOCAL, STATE AND NATIONAL CODES. CERTIFICATES OF INSPECTION, WHERE REQUIRED, SHALL BE OBTAINED AND PAID FOR BY THIS CONTRACTOR AND FURNISHED TO THE OWNER.
- IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO PROVIDE A COMPLETE AND OPERATING INSTALLATION INCLUDING ALL OBVIOUSLY NECESSARY ITEMS EVEN THOUGH SOME ITEMS MAY NOT BE INDICATED ON THE DRAWING OR SPECIFICATIONS.
- THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS OF EQUIPMENT AND SYSTEMS. IF ANY DEPARTURES FROM THE CONTRACT DRAWINGS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREFOR SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS UPON COMPLETION OF WORK, TO SHOW DEVIATIONS FROM CONSTRUCTION DOCUMENTS.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND COMMERCIAL GRADE.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS TO PERFORM WORK AS SHOWN, NOTED OR SCHEDULED FOR A COMPLETE INSTALLATION.
- PROVIDE DIELECTRIC UNIONS OR FITTINGS WHENEVER FERROUS AND NON-FERROUS PIPES ARE JOINED.
- OBTAINING ALL REQUIRED PERMITS AND PAYING ALL ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS, LOCAL, STATE AND NATIONAL CODES.
- CONTRACTOR TO VERIFY SIZE AND LOCATIONS OF ALL SERVICES PRIOR TO COMMENCING WITH NEW WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RECEIVE, OFFLOAD, AND STORE ALL PLUMBING MATERIALS WHICH ARRIVE AT THE JOB SITE.
- ALL PARTS, MATERIAL, EQUIPMENT AND LABOR FURNISHED SHALL BEAR A ONE (1) YEAR, NO COST TO OWNER, WARRANTY FROM DATE OF FINAL ACCEPTANCE. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OF THE ABOVE WARRANTY REQUIREMENTS IN A WRITTEN STATEMENT ALONG WITH EQUIPMENT MANUFACTURER'S WARRANTIES.
- ALL COSTS INCURRED BY ACCEPTANCE OF SUBSTITUTIONS SHALL BE BORNE BY CONTRACTOR. ANY ADDITIONAL COSTS/SERVICES RESULTING FROM PROPOSED SUBSTITUTE EQUIPMENT SHALL BE PROVIDED AT NO EXTRA COST TO THE OWNER.
- ALL PLUMBING FIXTURES AND EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS, UNLESS OTHERWISE NOTED.



**3 GAS CONNECTION DETAIL**  
12" = 1'-0"



**4 PIPING PENETRATION OF ROOF DETAIL**  
1/16" = 1'-0"



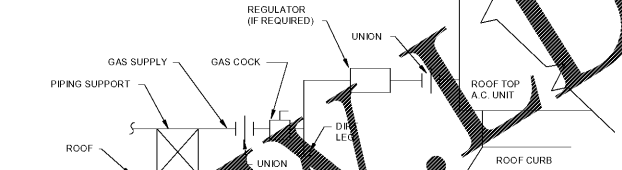
**5 PIPING SUPPORT ON ROOF**  
1/8" = 1'-0"

**KEY INFORMATION:**

- 6" ID MAXIMUM PIPE CAPACITY 8 1/2" OD MAXIMUM
- ADJUSTABLE HEIGHT FROM 4 3/8" TO 6-1/2". EVEN LOAD REQUIRED. MAXIMUM LOAD IS 385 LBS.
- RECOMMENDED SPACING NOT TO EXCEED 10 FEET CENTERS DEPENDING ON LOAD. MAKE CERTAIN EACH PIPESTAND IS PROPERLY ELEVATED TO EVEN LOAD WEIGHT AT ALL PIPE STANDS.
- BASE MATERIAL: POLYCARBONATE
- ROLLER MATERIAL: POLYCARBONATE
- ALL METAL PARTS ARE STAINLESS STEEL

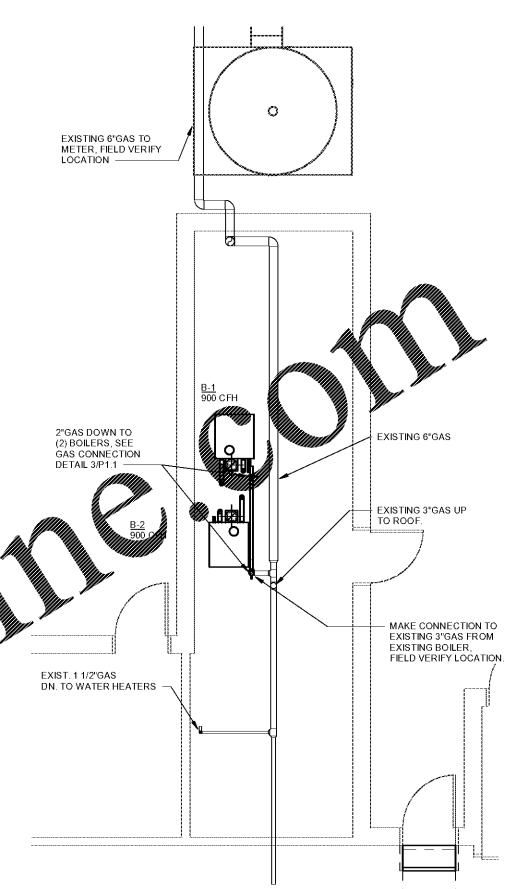
**DESCRIPTION:**

A "ROLLER-BEARING" PIPE SUPPORT USED TO SUPPORT ROOF MOUNTED GAS PIPE, ELECTRICAL CONDUIT, SOLAR PIPING AND OTHER MECHANICAL PIPING. UNIQUE DESIGN ABSORBS THERMAL EXPANSION AND CONTRACTION OF PIPES PREVENTING DAMAGE TO ROOF MEMBRANE. PIPES REST ON A SELF-LUBRICATING POLYCARBONATE RESIN ROLLER AND STAINLESS STEEL AXLE.

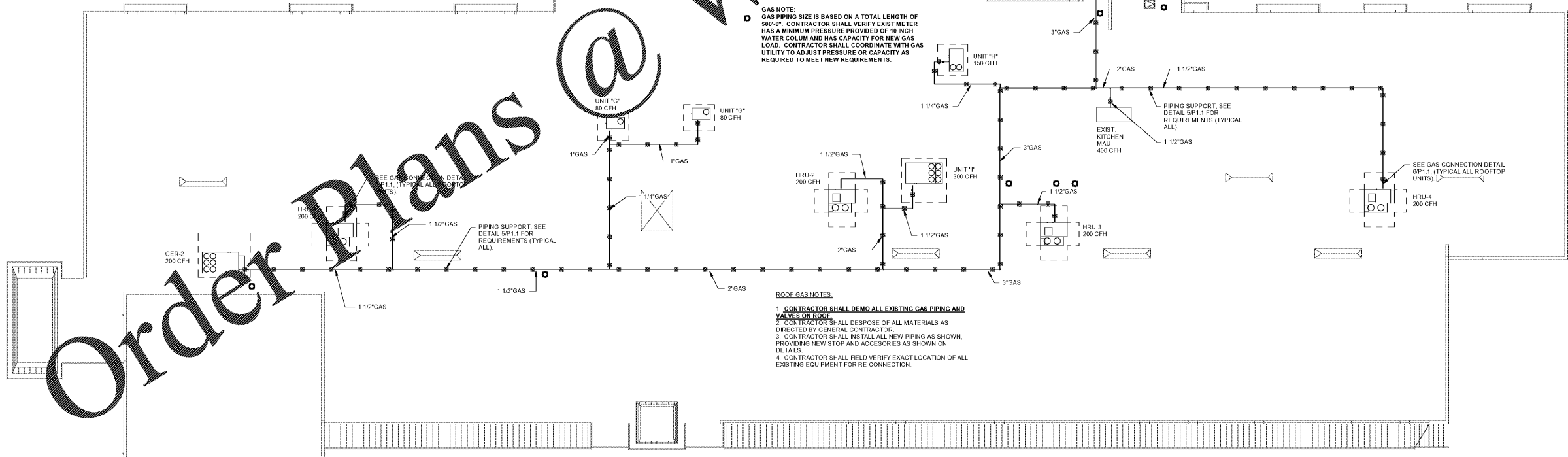


**6 ROOFTOP UNIT GAS CONNECTION**  
12" = 1'-0"

GAS LOAD:	CFH
NEW GAS ROOFTOP UNITS	1610 CFH
NEW BOILERS	1800 CFH
EXIST. KITCHEN MAU	400 CFH
EXISTING WATER HEATER	600 CFH
EXISTING KITCHEN	350 CFH
<b>TOTAL NEW GAS LOAD</b>	<b>4760 CFH</b>



**2 GAS - NEW ENLARGED MECHANICAL ROOM**  
1/4" = 1'-0"



**1 GAS - OVERALL ROOF PLAN**  
1/16" = 1'-0"

- ROOF GAS NOTES:**
- CONTRACTOR SHALL DEMO ALL EXISTING GAS PIPING AND VALVES ON ROOF.
  - CONTRACTOR SHALL DISPOSE OF ALL MATERIALS AS DIRECTED BY GENERAL CONTRACTOR.
  - CONTRACTOR SHALL INSTALL ALL NEW PIPING AS SHOWN, PROVIDING NEW STOP AND ACCESSORIES AS SHOWN ON DETAILS.
  - CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL EXISTING EQUIPMENT FOR RE-CONNECTION.

**NOTE:**  
PORTIONS OF THIS PROJECT ARE RENOVATIONS OF AN EXISTING FACILITY AND OF NECESSITY, PREVIOUS RECORD DRAWINGS FORM THE BASIS FOR MANY OF THESE DRAWINGS. IT IS THEREFORE EVEN MORE IMPORTANT THAN IN NEW CONSTRUCTION THAT ALL DIMENSIONS SHALL BE FIELD VERIFIED BEFORE FABRICATION OR PURCHASE OF DIMENSION CRITICAL EQUIPMENT, MATERIALS, AND ASSEMBLIES. THERE MAY EXIST FIELD CONDITIONS NOT ACCESSIBLE DURING DESIGN WHICH DIFFER FROM THOSE SHOWN ON THE DRAWINGS. ANY SUCH DEVIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER FOR RESOLUTION BEFORE PROCEEDING WITH ANY CONSTRUCTION, FABRICATION, OR MATERIAL/EQUIPMENT PURCHASES WHICH WOULD BE UNUSABLE UNDER THOSE CIRCUMSTANCES.

Order Plans @

WWW.DIline.com

**REVISIONS**

NO.	DESCRIPTION