

RESTAURANT GREASE INTERCEPTOR SIZING CALCULATIONS

PEAK MEALS/HOUR X FLOW RATE X RETENTION TIME X STORAGE FACTOR = MIN GAL. CAPACITY

PEAK MEALS/HOUR TO BE BASED ON CRITERIA AVAILABLE FROM LOCAL PLUMBING AUTHORITIES
 FLOW RATE TO BE DETERMINED AS FOLLOWS:

SINGLE SERVICE KITCHEN	1 GALLON RATE
FULLY EQUIPED COMMERCIAL KITCHEN W/DISHWASHER	6 GALLON RATE
FULLY EQUIPED COMMERCIAL KITCHEN W/O DISHWASHER	5 GALLON RATE
FOOD WASTE DISPOSER	ADD 1 GALLON FLOW

RETENTION TIME TO BE DETERMINED AS FOLLOWS:

FULLY EQUIPED COMMERCIAL KITCHEN	2.5 HOURS
SINGLE SERVICE KITCHEN	1.5 HOURS

STORAGE FACTOR TO BE DETERMINED AS FOLLOWS:

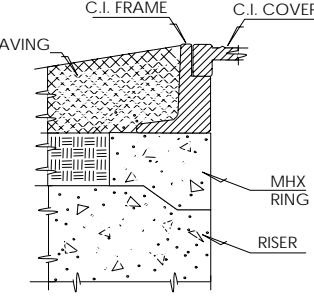
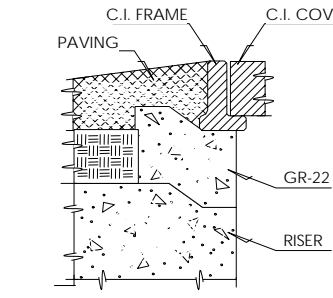
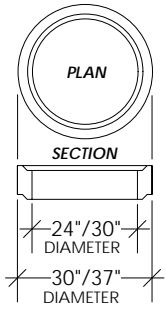
FULLY EQUIPED COMMERCIAL KITCHENS	8 HOUR OPERATION : 1
	16 HOUR OPERATION : 2
	24 HOUR OPERATION : 3
SINGLE SERVICE KITCHEN	: 1.5

CONSTRUCTION NOTES

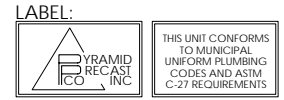
1. PYRAMID PRECAST RESTAURANT GREASE INTERCEPTORS CONFORM TO LOS ANGELES COUNTY 1-2 PLAN AND ARE DESIGNED TO INTERCEPT MAXIMUM LEVELS OF KITCHEN GENERATED GREASE BEFORE IT IS INTRODUCED INTO THE SEWER SYSTEM.
2. RESTAURANT GREASE INTERCEPTORS , RISER SECTIONS, MHX MANHOLES AND GR-22 GRADE RINGS ARE PRECAST CONCRETE ,POURED AND VIBRATED FOR DENSITY TO ACHIEVE 4000 PSI MINIMUM COMPRESSIVE STRENGTH @ 28 DAYS , AND REINFORCED WITH INTERMEDIATE OR HARD GRADE DEFORMED STEEL BARS CONFORMING TO ASTM SPEC A-615 ***** ALL CONTINUOUS MONOLITHIC CONSTRUCTION.
3. INTERIOR OF INTERCEPTOR OF BARE CONCRETE.
4. UNLIMITED CAPACITIES AVAILABLE . FOR UNITS OF CAPACITIES BEYOND THOSE SHOWN HERE , CONTACT MANUFACTURER OR AGENT OF PYRAMID PRECAST.
5. ENGINEERING DRAWINGS AVAILABLE ON REQUEST.

INSTALLATION NOTES

1. PRIOR TO INSTALLATION CONTACT THE LOCAL DEPARTMENT OF INDUSTRIAL WASTE AND/OR THE DEPARTMENT OF BUILDING AND SAFETY FOR CAPACITY AND/OR SPECIAL INSTALLATION REQUIREMENTS.
2. ALL SURFACE WATER MUST DRAIN AWAY FROM THE INTERCEPTOR TO EXCLUDE RAINFALL FROM THE SEWER SYSTEM. WHERE INSTALLATION IS TO BE IN A COVERED AREA SUCH AS INSIDE OF A BUILDING , THE COVERS MAY BE FLUSH WITH THE FLOOR PROVIDED THAT ALL WASTES ENTER THROUGH THE INLET LINE ONLY.
3. THE STATIC WATER LEVEL SHALL NOT BE LOWER THAN 6' 0" BELOW THE GROUND LEVEL OR PAVEMENT.
4. INLET AND OUTLET CONNECTIONS FOR 4" DIAMETER CAST IRON PIPE STANDARD. ADJUSTMENTS MUST BE MADE FOR PIPE OF LARGER DIAMETER.
5. TRAFFIC LOCATION INSTALLATIONS WILL REQUIRE THE TOP OF THE INTERCEPTOR TO BE BELOW THE PAVEMENT. INSPECTION MANHOLES MUST BE BROUGHT TO GRADE WITH GR-22 GRADE RINGS.
6. EXCAVATION MUST BE TWO FOOT LARGER THAN UNIT SIZE , WHERE LENGTH INCLUDES SAMPLE BOX. DISTANCE FROM INLET INVERT TO FINAL GRADE MUST BE KNOWN AND DEPTH OF EXCAVATION SHALL SUIT "CALCULATED UNIT HEIGHT" (SEE SECTION VIEW)
7. EXCAVATION MUST BE LEVEL AND COMPACT. SIX INCHES OF ROADBASE OR GRAVEL RECOMMENDED UNDER UNIT TO DETER SETTILING.
8. CAST IRON COVERS AND FRAMES ARE BOLT-SECURED TYPE AND ARE SUITABLE FOR H-20 TRAFFIC LOADS AND ARE OF SEWER TYPE AND GAS TIGHT .
9. ALL PYRAMID PRECAST RESTAURANT GREASE INTERCEPTOR UNITS ARE TRAFFIC RATED FOR H-20 WHEEL LOADING.



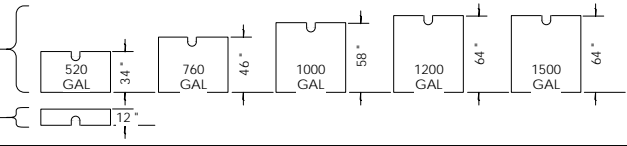
TYPICAL MANHOLE DETAILS



LOCATED ON INLET END UPPER LEFT HAND CORNER

RGI BASE SECTION
 SELECT BASE SECTION ACCORDING TO REQUIRED CAPACITY

RGI RISER SECTION
 TYPICALLY 12" OTHER SIZES AVAILABLE



**Restaurant Grease Interceptor
 RGI - 2 Compartment
 Assembly , Manholes & Notes**



- * INDUSTRIAL WASTE CLARIFIERS
- * SAND AND GREASE INTERCEPTORS
- * SEPTIC TANKS & DISTRIBUTION BOXES

DRAWING #	PRG030001A
DRAWN BY	
SCALE	NONE