

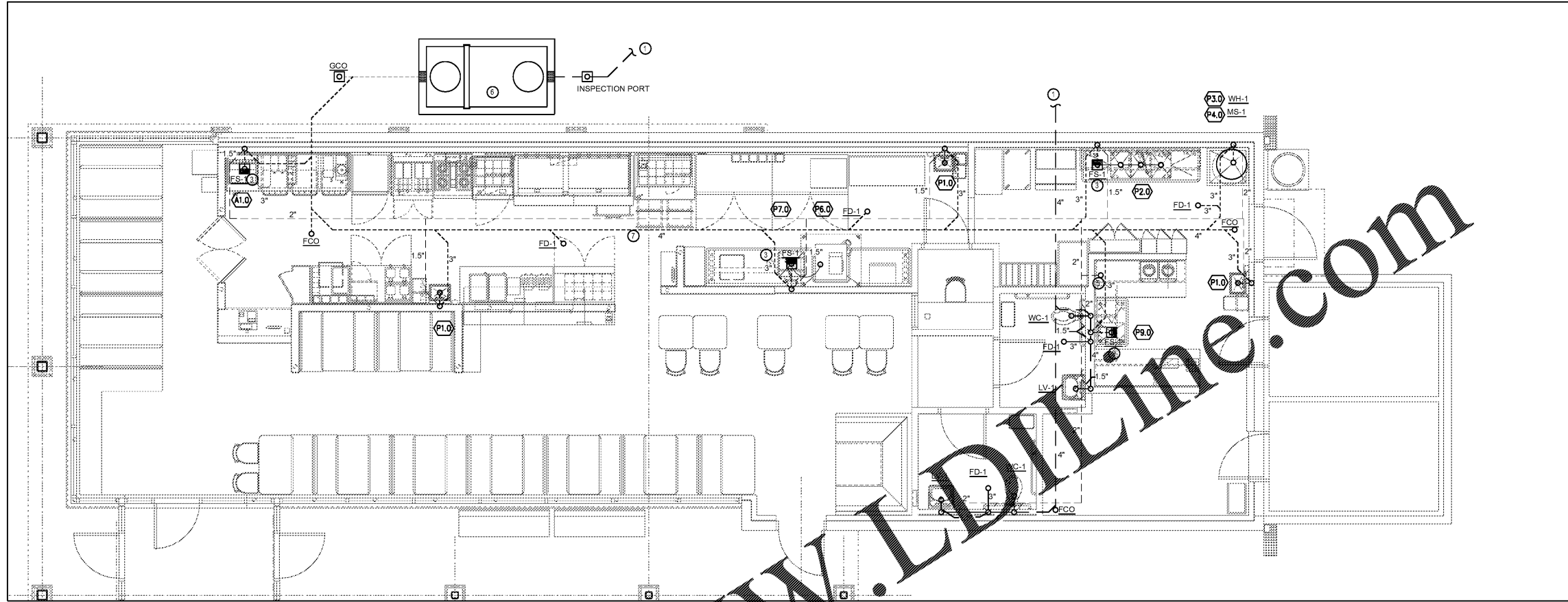
PLUMBING NOTES:

1. EXTEND AND CONNECT TO SANITARY SEWER - DETERMINE LOCATION AND ELEVATION OF EXISTING SEWER BEFORE STARTING ANY OTHER WORK. CONTRACTOR TO VERIFY EXACT LOCATION IN FIELD AND CONTACT CIVIL ENGINEER TO COORDINATE CONNECTION DESIGN INFORMATION.
2. ALTERNATE DIRECTION FOR SANITARY SEWER. VERIFY EXACT REQUIREMENTS AND COORDINATE WITH SITE PLAN.
3. FLOOR SINKS AND TRENCH DRAINS SHALL BE FLUSH WITH FINISHED FLOOR.
4. FLOOR DRAINS BELOW GRADE SHALL BE 4" MIN
5. 3" VTR.
6. 1000 GALLON OLD CASTLE LFUCG GREASE INTERCEPTOR.
7. NEW 4" GREASE LINE ROUTED TO GREASE INTERCEPTOR.

LEGEND

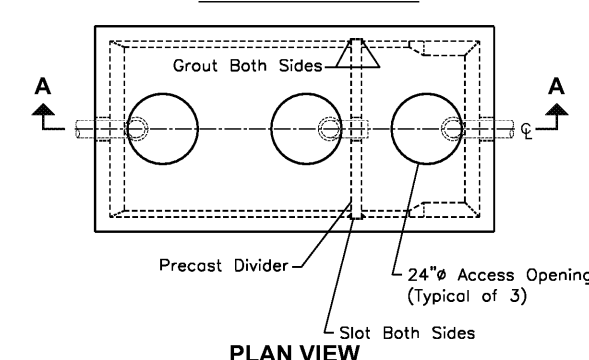
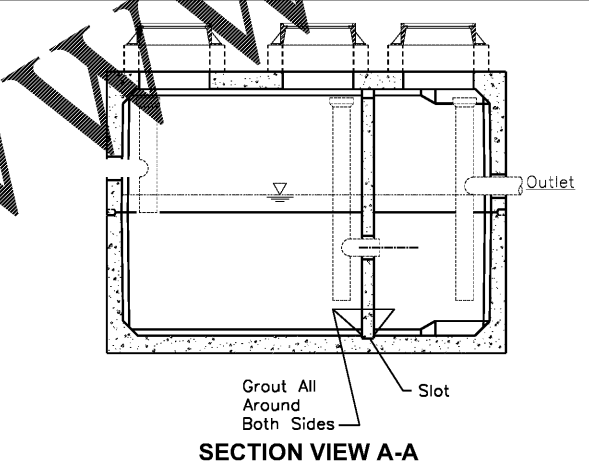
W.C.O.	WALL CLEANOUT
F.C.O.	FLOOR CLEANOUT
F.D.	FLOOR DRAIN
H.D.	HUB DRAIN
F.S.	FLOOR SINK
V.T.R.	VENT THRU ROOF
G.C.O.	GRADE CLEANOUT

NOTE: PLUMBING COMPONENT AND SUPPORTS AND ATTACHMENTS SHALL BE IN ACCORDANCE WITH REQUIREMENTS FOR SEISMIC DESIGN CATEGORY D, PER ASCE 7-05 AND THE NEHRP RECOMMENDED SEISMIC PROVISIONS



PLUMBING GENERAL NOTES

1. THE EQUIPMENT ROUGH-IN ITEMS AND THEIR DIMENSIONED LOCATIONS FOR ALL CONNECTIONS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE. IN SOME INSTANCES THE OWNER OR SUPPLIER MAY MAKE SUBSTITUTIONS OR THE EQUIPMENT ITEMS MAY VARY FROM WHAT IS SHOWN. THEREFORE, THESE ITEMS AND DIMENSIONS SHALL BE VERIFIED WITH THE EQUIPMENT SUPPLIER, OWNER AND/OR EQUIPMENT ROUGH-IN DRAWINGS. THE ARCHITECT/ENGINEER SHALL BE IMMEDIATELY NOTIFIED PRIOR TO CONSTRUCTION OF ANY DEVIATIONS FROM WHAT IS SHOWN OR IMPLIED ON THESE DRAWINGS. FAILURE OF THE APPROPRIATE CONTRACTOR TO VERIFY ROUGH-INS OR THEIR LOCATIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION AND/OR ADDITIONAL ROUGH-INS DIRECTLY UPON THE CONTRACTOR.
2. CONTRACTOR SHALL SUPPLY TO THE ARCHITECT SIX COPIES OF SHOP DRAWINGS FOR APPROVAL. SO THE QUALITY OF INTENDED MATERIALS OR EQUIPMENT CAN BE REVIEWED BEFORE INSTALLATION. THERE WILL BE NO DRAW UNTIL SHOP DRAWINGS HAVE BEEN SUBMITTED AND REVIEWED BY ARCHITECT/ENGINEER.
3. DO NOT SCALE THIS DRAWING. REFER TO ARCHITECTURAL FLOOR PLANS FOR BUILDING DIMENSIONS.
4. THE SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF WITH THE PLANS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED, IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION BEEN MADE.
5. VERIFY SERVICE POINTS AND METERING LOCATIONS FOR PROJECT WITH LOCAL UTILITIES AND/OR LANDLORD (DOMESTIC WATER, SANITARY SEWER, GAS, ETC.)
6. THE CONTRACTOR SHALL COOPERATE FULLY AMONG THE TRADES.
7. ALL ROOF PENETRATIONS FOR ROOF DRAINS AND PLUMBING/GAS/REFRIGERANT PIPING SHALL BE MADE IN ACCORDANCE WITH ROOF SYSTEM MANUFACTURER'S GUIDELINES. COORDINATE WITH ARCHITECTURAL DETAILS AND/OR LANDLORD FOR ROOF SYSTEM USED.
8. PLUMBING CONTRACTOR SHALL VERIFY WITH THE LOCAL HEALTH DEPARTMENT AND/OR WATER COMPANY AS TO THE METER AND VALVING ARRANGEMENT OF THE DOMESTIC WATER SERVICE LINE WHICH ENTERS THE BUILDING. SHOULD A BACKFLOW PREVENTER ASSEMBLY AND/OR PRESSURE REDUCING VALVE ASSEMBLY BE REQUIRED, THE PLUMBER SHALL FURNISH AND INSTALL SAME PER LOCAL AND STATE REQUIREMENTS. THE BACKFLOW ASSEMBLY SHALL BE A "WATTS" SERIES #609 OR APPROVED EQUAL MEETING ASSE STANDARDS 1013, 1015 AND 1020. IF BACKFLOW PREVENTER IS INSTALLED, PROVIDE PROPERLY SIZED THERMAL EXPANSION TANK IN SUPPLY PIPING OF WATER HEATER. IF WATER PRESSURE IS 65 PSI OR GREATER A PRESSURE REDUCING VALVE ASSEMBLY SHALL BE A "WATTS" SERIES #2AUB-23 OR APPROVED EQUAL SET AT 50 LBS. DELIVERY PRESSURE UNLESS OTHERWISE NOTED.
9. THE WATER PIPING SYSTEM SHALL BE FLUSHED AND TESTED IN ACCORDANCE WITH LOCAL REGULATIONS.
10. THE POTABLE WATER SUPPLY SHALL BE PROTECTED AGAINST BACKFLOW AND SIPHONAGE BOTH NATURAL AND INDUCED. ALL EQUIPMENT CONNECTED TO THE POTABLE WATER SYSTEM BEING CAPABLE OF POLLUTING OR CONTAMINATING THE POTABLE WATER DISTRIBUTION SYSTEM OR ANY PART THEREOF BY MEANS OF A REVERSE OF FLOW, PRESSURE DROP, PRESSURE LOSS, INDUCED VACUUM OR BY INJECTION BECAUSE OF ANY PRIMARY OR AUXILIARY PUMPING SYSTEM CONNECTED THERETO MUST BE ISOLATED AND CONTAINED BY MEANS OF APPROVED BACKFLOW DEVICES. CHECK VALVES, AIR GAPS OR VACUUM BREAKERS. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL THESE DEVICES PER LOCAL CODE REQUIREMENTS.
11. THE HOT AND COLD WATER SUPPLY BRANCHES FOR ALL EQUIPMENT HAVING QUICK CLOSING VALVES OF ANY TYPE SHALL HAVE WATER HAMMER ARRESTORS INSTALLED AT THE HIGH POINT ON THE END OF EACH BRANCH.
12. FURNISH AND INSTALL SHUTOFF OR BALL VALVE AND DIELECTRIC UNION ON ALL EQUIPMENT HOT AND COLD WATER LINES. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT. COORDINATE WITH EQUIPMENT SUPPLIER FOR EXACT REQUIREMENTS.
13. FURNISH & INSTALL 1/2" (MIN.) FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON ALL HOT, COLD, RECIRCULATING WATER LINES ABOVE SLAB AND ALL CONDENSATE FROM MECHANICAL UNITS.
14. WATER PIPE AND FITTINGS SHALL BE COPPER OR BRASS PER CODE ABOVE GROUND SHALL BE TYPE L RIGID COPPER. BELOW GROUND SHALL BE TYPE K SOFT COPPER WITH NO JOINTS PERMITTED BELOW GROUND. ALL JOINTS SHALL BE MADE WITH 95-5 SOLDER OR EQUAL.
15. BARRIER FREE LAVATORY P-TRAP AND ANGLE STOP ASSEMBLIES SHALL BE INSULATED WITH TRAP WRAP PROTECTIVE KIT 500R BY BROCAR (1-800-827-1207) OR EQUAL. ABRASION RESISTANT EXTERIOR COVER SHALL BE SMOOTH AND HAVE 1/8" MIN. WALL OVER CUSHIONED FOAM INSERT. FASTENERS SHALL REMAIN SUBSTANTIALLY OUT OF SIGHT.
16. VERIFY MOUNTING HEIGHTS OF ALL BARRIER FREE FIXTURES WITH ARCH. PLANS.
17. INSTALL 1" FIBERGLASS INSULATION WALL-SERVICE JACKET ON ALL ROOF LEADERS ABOVE CEILING.
18. FURNISH AND INSTALL CONDENSATE LINES FROM ANY MECHANICAL EQUIPMENT AS REQUIRED. ANY CONDENSATE LINE RUN ABOVE THE CEILING OR IN A LOCATION WHERE THE PIPES SWEATING COULD CAUSE DAMAGE, SHALL BE INSULATED, RUN FULL SIZE TO DRAIN OR AS INDICATED ON PLANS. TURN DOWN WITH REQUIRED AIR GAP.
19. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL COPPER INDIRECT WASTE PIPING REQUIRED FROM EQUIPMENT TO FLOOR DRAINS, OPEN RECEPTACLES, OR FLOOR SINKS. PIPING SHALL COMPLY WITH STATE AND LOCAL CODES. COORDINATE WITH ALL EQUIPMENT SUPPLIERS AND SIZE AS REQUIRED BY PIECE OF EQUIPMENT SERVED. HOLD PIPING TIGHT TO WALL WHERE APPLICABLE. PROPERLY SECURE AS REQUIRED. COORDINATE WITH CASEWORK SUPPLIER FOR MAXIMUM CLEARANCE UNDER CABINETS.
20. ALL EXPOSED GAS PIPING SHALL BE PAINTED TO MATCH ADJACENT WALLS.
21. ALL VENT PIPE TO BE COMPATIBLE WITH STRUCTURAL, LOCAL, EQUIPMENT AND DUCTWORK, ELECTRICAL, PLUMBING AND VENTING.
22. THE NATURAL GAS TO THE EQUIPMENT SHALL BE AT 1/2" PRESSURE. THE REGULATOR OUTLET PRESSURE SHALL BE 7" WATER COLUMN. IF THE GAS COMPANY IS UNABLE TO PROVIDE THIS PRESSURE, IMMEDIATELY CONTACT THE A/E OR OWNER FOR INSTRUCTIONS. GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL, U.O.N.
23. PROVIDE CHROME PLATED ESSE CONNECTIONS AT ALL WALL PENETRATIONS.
24. WASTE AND VENT PIPING SHALL BE 1/2" CAST IRON. CONTRACTOR MAY USE SCHEDULE 40 OR 40A, TYPE 304, 304L, 316, 316L, CHLORIDE COMPOUNDS AS DEFINED AND DESCRIBED IN TENTATIVE SPECIFICATIONS FOR RIGID PIPING.
25. WASTE AND VENT PIPING SHALL BE 1/2" CAST IRON. CONTRACTOR MAY USE SCHEDULE 40 OR 40A, TYPE 304, 304L, 316, 316L, CHLORIDE COMPOUNDS AS DEFINED AND DESCRIBED IN TENTATIVE SPECIFICATIONS FOR RIGID PIPING. ASTM DESIGNATION: D 2865, D 2849, F891 OR SCHEDULE 40 OR 30 A. CENTRAL BUTADIENE-STYRENE COMPOUND AS DEFINED AND DESCRIBED IN STANDARD SPECIFICATIONS FOR ABS (ASTM DESIGNATION: D2688 OR F 529) IN LIEU OF CAST IRON WASTE AND VENT PIPING IS PERMITTED BY CODE. INSTALL PVC OR ABS PIPING PER LOCAL CODE. PLUMBING CONTRACTOR SHALL INSTALL 4" SOIL, WASTE AND GREASE WASTE PIPING WITH A MINIMUM SLOPE OF 1/8" PER FOOT OR AS REQUIRED BY CODE.
26. ALL FLOOR SINKS AND TRENCH DRAINS SHALL HAVE MEMBRANE CLAMPS. SEE ARCH. SHEETS FOR FLOOR SLOPES AROUND DRAINS. (IF REQ'D)
27. ALL NEW V.T.R.'S SHALL BE EXTENDED TO A MINIMUM OF 12" ABOVE PARAPET HEIGHT AND MAINTAINED 10'-0" MINIMUM FROM ALL OUTSIDE AIR INTAKES.
28. MATERIALS, EQUIPMENT, ASSEMBLIES AND SYSTEMS SHALL MEET ALL PERTINENT REQUIREMENTS OF NATIONALLY RECOGNIZED TESTING ORGANIZATION SUCH AS THE U.S. ASTM, ASSE, AWWA, AGA AND NFPA AS WELL AS THE MOST CURRENT VERSION OF THE STATE CODE AND LOCAL AMENDMENTS.
29. ALL INSTALLED SYSTEMS, DEVICES AND RELATED ITEMS SHALL BE TESTED IN PLACE ON SITE PER LOCAL CODE REQUIREMENTS. REPLACE ANY AND ALL CONTRACTOR SUPPLIED DEFECTIVE DEVICES, ITEMS OR SYSTEMS AT CONTRACTOR'S OWN EXPENSE BEFORE COMPLETION OF PROJECT.
30. WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OR NATURE OF THE WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT



ITEM NO.	MODEL NO.	CAPACITY US/GP	GREASE CAP. (LBS)	EMPTY WT (LBS)	LENGTH L	WIDTH W	HEIGHT H	GPM
1	LFUCG	1000						

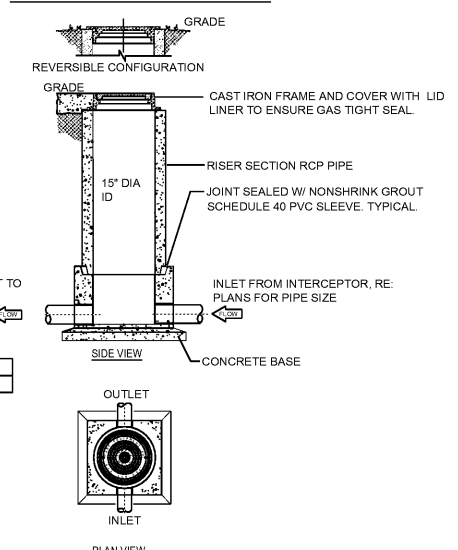
- NOTES:
1. PRECAST CONCRETE GREASE TRAP SIZE, SHAPE AND DIMENSION MAY VARY FROM DETAIL, BUT SHALL BE IN ALL CASES PER LOCAL CODE REQUIREMENTS.
 2. GREASE TRAP TO BE TRAFFIC RATED.
 3. VERIFY GREASE TRAP SIZE WITH ALL LOCAL AND STATE AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.

2 GREASE TRAP DETAIL
SCALE: NONE



1 SANITARY WASTE AND VENT PLAN
SCALE: 1/4" = 1'-0"

SAMPLE BOX DETAIL:

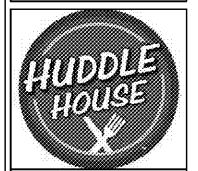


MANUFACTURER/ MODEL
PARK EQUIPMENT SWB-15

NOTES AND SPECIFICATIONS:

1. USE 15" T&G R.C.P. FOR 6'-0" DEEP AND LESS.
2. USE 24" T&G R.C.P. FOR INSTALLATION GREATER THAN 6'-0" DEEP. (STANDARD RING AND M.H. COVER REQUIRED)
3. SAMPLING WELL MUST BE SET IN A CIRCULAR OR SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE.)
4. LAWN INSTALLATION MUST BE 4" ABOVE FINISHED GRADE.
5. DRIVE & SIDEWALK INSTALLATION MUST BE BROUGHT TO FINISHED GRADE.
6. CONCRETE SHALL BE CLASS 1 WITH A DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT SHALL BE OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.
7. CAST IRON FRAMES AND GRATES SHALL BE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48-76 CLASS 30, HEAVY DUTY AASHTO H-20.

PLUMBING SANITARY WASTE & VENT PLAN



JOB NO. L1905

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NO.	ISSUE DATE
	PERMIT SET 04/15/2019

DRAWING NUMBER

P100