

SPECIAL NOTE
ALL PLUMBING SOIL/WASTE LINES SHALL HAVE A
STARTING INVERT OF (3) 3" BELOW FINISHED
FLOOR WHERE POSSIBLE. COORDINATE THROUGH
PUBlix REPRESENTATIVE TO INSURE LOWEST
POSSIBLE INVERTS FOR FUTURE REMODELING.

WHERE FLOOR SINKS ARE NOT ALLOWED BY CODE,
SUBSTITUTE WITH FLOOR DRAINS, SEE DRAIN
SCHEDULE.

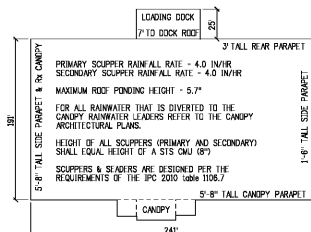
INDIRECT DRAINAGE PIPE TO FLOOR SINK, CASE DRAINS, ETC. SHALL TERMINATE
AT A DISTANCE ABOVE THE FLOOR LEVEL, RUN OF THE WASTE RECEPTOR AS PER
PLUMBING CODE. THE TERMINAL END OF THE INDIRECT DRAINAGE PIPE SHALL
FORM A 45° ANGLE WITH THE WASTE RECEPTOR'S FLOOR LEVEL, RUN TO MINIMIZE
SPILLING.

PLUMBING DESIGN DATA
1. TOTAL FIXTURE UNIT AT BUILDING TO SEWER SYSTEM IS
200 FIXTURE UNITS.
2. DRAINAGE SYSTEM IS DESIGNED AS EITHER A FIXTURE VENTED,
COMMON VENTED, CIRCUIT VENTED OR COMBINATION WASTE DRAIN
AND VENT SYSTEM DEPENDING ON THE BUILDING STRUCTURE.

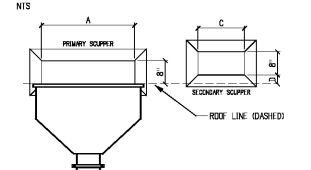
DRAINAGE FIXTURE UNIT SCHEDULE

FIXTURE	MARK	# OF FIXTURES	WASTE FIXTURE UNITS	SUBTOTAL WASTE FIXTURE UNITS
WATER CLOSET	WC P-182	6	4	24
URINAL	UR P-3	1	2	2
LAVATORY	LAV P-400	7	1	7
HAND SINK	HS P-6, 7, 10, 11, 12, 13	12	2	24
FLOOR SINK	FS P-8, 14	10	5	50
SERVICE SINK	SS P-23, 25	3	3	3
WC	OF P-181B	2	1/2	1
PET WASHER OR POWER SINK	DW P-24, 30	1	4	4
CASE DRAINS	CD P-1, 2	67	1/2	34
FLOOR DRAINS	FD P-1, 2, 3, 4	27	2	54
TOTAL				

- DRAWING NOTES**
APPLICATION TO THIS SHEET - DWG. P-3 ONLY.
- ALL FLOOR DRAINS (D-3) CONNECT TO 3" UNLESS OTHERWISE NOTED.
 - CASE DRAINS SERVING TWO SIDES BY SUBMITTAL SHALL BE POSITIONED 1' FROM THE CASE AND 1' FROM THE REFRIGERATED CASE DETAIL. RETRO-CASES REFER TO REFRIGERATED CASE DETAIL.
 - ALL SAW WASTE (S-W) UNLESS OTHERWISE NOTED, SHALL BE TO SWE WASTE DETAIL.
 - EXPOSED VENT AND STACK SHALL BE 1/2" ABOVE FINISH FLOOR AND EXPOSED TO PLUMBER. COVERS SHALL BE WITH PLUMBER PRESERVE.
 - ALL CONDENSATE PIPES ABOVE FINISH FLOOR SHALL BE EXPOSED TO PLUMBER.
 - DRAIN COVERS SHALL BE UNDERCUT WITH 1/4" RADIUS MARKET COVERS. SIZE 1/4" R-1 FOR 1/4" CONDENSATE LINE.
 - 3" WASTE STACK THROUGH ROOF WITH FLASHING FOR A/C CONDENSATE DRAIN. LOCATE MINIMUM 18" FROM ROOF CURB.
 - VENT STACK THROUGH ROOF SHALL BE CAST IRON OR COPPER.
 - WATER SAVING TOILET PRIMER TO FLOOR DRAIN OR FLOOR SINK FROM NEAREST LAVATORY, 1/8" SINK OR SINK SET APPROPRIATE DETAIL FOR MORE INFORMATION.
 - VENTRIL MUST BE A MINIMUM OF 3' AWAY FROM PARAPET AND 10' AWAY FROM ANY AC UNIT OR RETRO OR SUPPLY AIR FAN.
 - THE PLUMBING AND REFRIGERATION CONTRACTORS SHALL COORDINATE VENT PIPES AND REFRIGERATION DROPS TO RUN BUNDLED TOGETHER.
 - 6" PVC SLEEVE UNDER SLAB WITH LONG RADIIUS FLEWING FOR CONDENSATE DRAIN DISPENSING.
 - FIRE SPRINKLER RISERS
 - 4" STORM DRAIN BY CIVIL
 - 10" STORM DRAIN 1/2" 1" 0" BY CIVIL
 - INVERT SHALL BE -5.0' BELOW FINISH FLOOR
 - INVERT SHALL BE -6.0' BELOW FINISH FLOOR
 - REFER TO CIVIL SITE PLAN FOR CONNECTION TO STORM DRAINAGE SYSTEM
 - REFER TO CIVIL SITE PLAN FOR CONNECTION TO SANITARY SYSTEM
 - COMBINATION WASTE DRAIN AND VENT SYSTEM
 - CIRCUIT VENTED
 - VENT CONNECTION TO THE CIRCUIT OR CW AND VENT BRANCH SHALL CONNECT ABOVE THE CENTERLINE OF THE PIPE WITHIN 45° OF AN IMAGINARY VERTICAL PLANE EXTENDING THROUGH THE BRANCH PIPE CENTERLINE.
 - ROUTE VENT PIPE BELOW THE SLAB AND ABOVE THE CENTERLINE OF THE BRANCH PIPE. EXTEND THE VENT PIPE AT A MINIMUM OF 6" A.F.F. BEFORE BRANCHING TO VENT.



ROOF DRAINS CALCULATIONS



SUPERMARKET DIMENSION TABLE

MARK	DIMENSION	MARK	DIMENSION
A	32"	D	3.70"
C	32"		

LOADING DOCK DIMENSION TABLE

MARK	DIMENSION	MARK	DOCK DIMENSION
A	12"	D	4"
C			

SCUPPER SIZING

SEE REFER TO RD-1-DTL 1 FOR MORE INFO.

ROOF AREA
SUPERMARKET ROOF AREA (ROOF PARAPET FWT CANOPY) = 88,878.77 SF
LOADING DOCK ROOF AREA (ROOF PARAPET FWT CANOPY) = 3,927.77 SF

SUPERMARKET ROOF PRIMARY & SECONDARY SCUPPER SIZING
ROOF AREA (PRIMARY SCUPPER SIZED AT A RAINFALL RATE OF 4.0 IN/HR)
TOTAL ROOF FLOW RATE PER PRIMARY SCUPPER (4) = 3,888.00 GPM/SCUPPER

MAXIMUM ROOF DRAINAGE RATE PER PRIMARY SCUPPER
PRIMARY SCUPPER CAPACITY PER TABLE 1106.7 WITH A 32 IN LENGTH AND 3 IN HEAD HEIGHT = 3,888.00 GPM/SCUPPER

ROOF AREA SECONDARY SCUPPER SIZED AT A RAINFALL RATE OF 4.0 IN/HR
TOTAL ROOF FLOW RATE PER SECONDARY SCUPPER (8) = 2,888.00 GPM/SCUPPER

MAXIMUM ROOF DRAINAGE RATE PER SECONDARY SCUPPER
SECONDARY SCUPPER CAPACITY PER TABLE 1106.7 WITH A 32 IN LENGTH AND 2 IN HEAD HEIGHT = 2,888.00 GPM/SCUPPER

RAIN LEADER SIZING
RAIN LEADER DIMENSIONS: 3 IN x 3 IN (EQUIVALENT DA = 6 IN)
ACTUAL RAIN LEADER FLOW AREA = 52,559.77 SQUARED IN
AREA CAPACITY OF AN 3 x 6 LEADER = 26,279.89 SQUARED IN

LOADING DOCK ROOF PRIMARY & SECONDARY SCUPPER SIZING
DOCK AREA (PRIMARY SCUPPER SIZED AT A RAINFALL RATE OF 4.0 IN/HR)
TOTAL ROOF FLOW RATE PER PRIMARY SCUPPER (1) = 392.77 GPM/SCUPPER

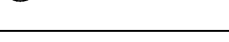
MAXIMUM ROOF DRAINAGE RATE PER PRIMARY SCUPPER
PRIMARY SCUPPER CAPACITY PER TABLE 1106.7 WITH A 12 IN LENGTH AND 4 IN HEAD HEIGHT = 392.77 GPM/SCUPPER

ROOF AREA SECONDARY SCUPPER SIZED AT A RAINFALL RATE OF 4.0 IN/HR
TOTAL ROOF FLOW RATE PER SECONDARY SCUPPER (2) = 392.77 GPM/SCUPPER

MAXIMUM ROOF DRAINAGE RATE PER SECONDARY SCUPPER
SECONDARY SCUPPER CAPACITY PER TABLE 1106.7 WITH A 12 IN LENGTH AND 1.7 IN HEAD HEIGHT = 392.77 GPM/SCUPPER

RAIN LEADER SIZING
RAIN LEADER DIMENSIONS: 3 IN x 3 IN (EQUIVALENT DA = 3 IN)
ACTUAL RAIN LEADER FLOW AREA = 888.75 SQUARED IN
AREA CAPACITY OF AN 3 x 6 LEADER = 26,279.89 SQUARED IN

BELOW SLAB VENT CONNECTOR



Order Plans

PLOT DATE:
25 AUG 2017

REVISION DATA:

1637
PUBlix LAKE CROSSING
PLATT SPRINGS RD & HWY 6
LEXINGTON, LEXINGTON, SC

45.9.2
08/17/2017
SIENNA - LITE

SANITARY WASTE PLUMBING PLAN

SCALE: 1/8" = 1'-0"

P-3