

**WASTEWATER STREAM  
CHARACTERIZATION FOR  
TA 3-41 & 261**

**at  
Los Alamos National Laboratory**

**ENVIRONMENTAL STUDY**

**CHARACTERIZATION REPORT # 61**

**Los Alamos**

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WASTE WATER STREAM  
CHARACTERIZATION FOR  
TA 3-41 & 3-261

ENVIRONMENTAL STUDY

prepared for:  
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## EXECUTIVE SUMMARY

Buildings 41 and 261 in TA-3 were visited to document all drain piping and to make permitting recommendations. The pipes exiting the building are as follows:

- 1) from building 3-41: one outfall to the sanitary sewer, two outfalls from boiler drains, one from hot water heater drain and one outfall to the storm water sewer system,
- 2) from building 3-261: three outfalls discharge to sanitary sewer, eight outfalls discharge from roof drains, six discharge from fire drains and two from vapor vents.

Recommendations for repiping are provided to allow outfall consolidation to minimize permit maintenance requirements. Floor drain plugging and spill containment is recommended where the potential for discharge of pollutants exists.

A waste stream database has been prepared listing wastewater type and flow rate for each outfall.

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## 1.0 INTRODUCTION

On November 20, 1992, Steven Veenis of Santa Fe Engineering (SFE) toured the Otowi Building (3-261) and the Fire Station #1 (3-41). Figure 1 is a plot plan of both of these buildings. The purpose of this study is to identify building drain piping and to characterize the wastewater flows and sources at the time of the visit. This report will not reflect any subsequent changes in piping or operation. The Wastewater Stream Characterization Policy of September 10, 1992 was followed for this study. The following tasks were performed for this purpose:

1. Building drains and all piping exiting the building were identified and laid out in schematic form;
2. Wastewater sources were identified at each drain and the wastewater was characterized according to flow rate and quality. The location of outfalls and their potential sources of discharge were determined. Potential pollutants were also noted;
3. Permit applications for clean water were not prepared since these discharges do not require permitting at this time and
4. Potential problems were identified and recommendations were made for repiping, floor drain plugging and spill containment, where deemed appropriate.

The field investigation proceeded by verifying drain schematics drawings prepared by SFE for the appropriate buildings (Figures 2 through 6) from drawings provided by Los Alamos National Laboratory (LANL) Facilities Engineering Division. The following process was used to define drain piping and characterize the wastewater streams:

1. Laboratory engineering drawings were used to prepare the SFE drain piping schematic. The Solid Waste Stream Characterization conducted by IT Corporation was also reviewed. The National Pollutant Discharge Elimination System (NPDES) Permit, the 1990 NPDES Permit Application submitted by Los Alamos National Laboratory (LANL) in September, 1990, the latest Federal Facilities Compliance Agreement (FFCA) between the Department of Energy (DOE) and the Environmental Protection Agency (EPA) and the Administrative Order (AO) Docket Number VI-92-1306 issued by EPA to the University of California were used for reference;
2. SFE verified drain piping by dye checking and
3. A site visit was performed to verify the SFE drain schematic and to identify potential outfall pipes exiting the building. The visit entailed a room by room inspection of wastewater sources and drains. Interviews with site personnel were conducted to assist in wastestream characterization.

## 2.0 FIELD INVESTIGATION

The pipes exiting the building have been assigned an outlet piping number (OPN). The four part number, sequentially, identifies the Technical Area where the pipe is located, the building from which the pipe discharges, the letters OPN to indicate that it is an outlet pipe number and the unique number for the pipe. The piping exiting the building will be labeled for easy identification in the future.

Each drain has a unique identification number. Each number consists of three parts. The first part is the floor the drain is on. The second part has letters that indicate the drain type (abbreviations used are summarized in Table 1). The final part is a unique number for each drain. For example, the floor drain numbering on the first floor would start with 1FD1. The roof drains do not have the number identifying the floor such as RD1 for Roof Drain 1.

The function of each pipe exiting from the buildings is listed in Appendix 1 on Tables 2 and 3, with an abbreviations list in Table 1. Appendix 2 contains the waste stream characterization database output, listing wastewater source, flow rates and periodicity information for each outfall drain. Appendix 4 provides information about the dye study of building drains. Flow schematics of the drains from each building are attached in Appendix 5 as Figures 2 through 6.

### 3.0 RECOMMENDATIONS FOR BUILDING 3-41

This building is the Fire Station #1 for the laboratory which is operated by the county of Los Alamos. Table 2 is a list of the drains to the building outfalls and Figure 2 is a schematic of the piping. The table lists the drains that connect to the outfall pipes and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

#### 3.1 Outfall 3-41-OPN-1

This outfall discharges to the sanitary sewer system via a lift station located west of the building. Drains contributing to this outfall include floor drains, toilets, lavatories, urinals, water fountains, showers, sink drains and a dishwasher. Sink drains 1SD2 and 1SD3 have been plugged and are no longer used. Sink drain 1SD1 needs a "No Chemical Disposal" sign posted. No permitting is recommended. No EPA forms have been prepared.

#### 3.2 Outfalls 3-41-OPN-2, 3-41-OPN-3 and 3-41-OPN-4

These outfalls to daylight are pressure relief valves for a hot water heater and two boilers located in the equipment room 103. These discharges should be included in a Notice of Intent (NOI) to discharge. No changes are recommended. No EPA forms have been prepared.

#### 3.3 Outfall 3-41-OPN-5

This outfall discharges into the storm sewer system running parallel with Jemez Road. Drains contributing to this outfall include floor drains, trench drains, roof drains and a water fountain. Floor drains (1FD1 through 1FD6) receive periodic wash waters from the cleaning of fire trucks. Floor drains 1FD8 and 1FD9 receive water from pressure relief valves and condensate

draining from hot water heaters and boilers. It is recommended that these drains be rerouted into the sanitary sewer system west of the building. It is also recommended that the oil interceptor be inspected and cleaned on a routine basis. No permitting is recommended. No EPA forms have been prepared.

#### **4.0 RECOMMENDATIONS FOR BUILDING 3-261**

Table 3 is a list of the drains to the building outfalls and Figures 3 through 6 show a schematic of the piping. The table lists the drains that connect to the outfall pipes and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

##### **4.1 Outfall 3-261-OPN-1**

This outfall receives sanitary waste via a 6-inch pipe which discharges to the sanitary sewer from the southern portion of the building. The drains flow through a sanitary lift station located in the first floor equipment room (B-102) before exiting the building. Drains contributing to this outfall include floor drains, lavatories, sink drains, toilets, urinals and water fountains. Floor drain 1FD2 receives periodic discharge from a backflow preventer (BFP). Floor drains 1FD3, 1FD4 and 1FD5 receive discharge water from fountain pools located in the interior courtyards on a summer season basis. Sink drains 1SD1 and 2SD1 should be labeled "SANITARY WASTE ONLY - NO CHEMICAL DISPOSAL". No permitting is recommended. No EPA forms have been prepared.

##### **4.2 Outfall 3-261-OPN-2**

This outfall receives sanitary kitchen waste via a 4-inch pipe which exits south of the building and discharges to the sanitary sewer. The drains flow through a large grease trap before joining with the discharges of 3-261-OPN-1. Drains contributing

to this outfall include floor drains, sink drains, a shower, a water fountain, an ice machine and a washing machine. Floor drains 3FD2, 3FD5, 3FD6, 3FD7, 3FD8 and 3FD9 receive cooler condensate via 1-inch copper tubes. Floor drains 3FD10, 3FD17 and 3FD23 receive a high alkaline hood cleaner consisting of sodium hydroxide (caustic soda) upon daily cleaning. It is recommended that the operating group cease using the sodium hydroxide cleaner. An alternate cleaner, acceptable to EM-8 for discharge to the sewer should be found. Otherwise, the liquid waste should be containerized. Floor drain 3FD19 receives carbonated water and syrup from the beverage supply room. Floor drains 3FD21, 3FD25 and 3FD26 receive hot water from food holding trays. Floor drains 3FD36, 3FD37, 3FD38, 3FD40, 3FD41, 3FD42, 3FD43 and 3FD44 receive detergents and food particles from dishwashing activities. The grease trap located south of the building appeared very clogged and should be cleaned out to get optimal performance. No permitting is recommended and no EPA forms were prepared.

#### 4.3 Outfall 3-261-OPN-3

This outfall receives sanitary waste via a 6-inch pipe which discharges to the sanitary sewer from the northern portion of the building. The drains flow through a sanitary lift station located in the first floor equipment room (S-102) before exiting the building. Drains contributing to this outfall include floor drains, lavatories, sink drains, toilets, urinals, ice machines, showers and water fountains. Floor drains 1FD6 and 3FD55 receive periodic discharge from BFPs. Floor drains 3FD51, 3FD52, 3FD53, 3FD54, 3FD55, 3FD56 and 3FD57 receive condensate and drains from the boiler and solar heating systems (also emergency discharge of antifreeze). It is recommended that any discharge of antifreeze (probably ethylene or propylene glycol) be containerized for treatment by CST-7. Floor drains 3FD59, 3FD60, 3FD61 and 3FD62 receive air washer drains. It is recommended that air compressor discharge next to floor drain 3FD63 be contained to eliminate oil

discharge into the sanitary sewer. No permitting is recommended. No EPA forms have been prepared.

4.4 Outfall 3-261-OPN-4

This outfall receives storm water from roof drains RD37 through RD44 from the upper southern most roof. The discharge ties into the area's storm sewer system via a 10-inch pipe below grade. No permitting is recommended and no EPA forms were prepared.

4.5 Outfalls 3-261-OPN-5, 3-261-OPN-6, 3-261-OPN-11, 3-261-OPN-13, 3-261-OPN-14 and 3-261-OPN-19

These outfalls are fire system drains to daylight. These discharges must be included in a Notice of Intent (NOI) to discharge. No permitting is recommended and no EPA forms were prepared.

4.6 Outfalls 3-261-OPN-7, 3-261-OPN-9 and 3-261-OPN-17

These outfalls receive storm water/snow melt from floor drains at the bottom of stairways located outside the secondary entrances to the building. The floor drains are 2FD10, 2FD9 and 3FD1 respectively and connect with the storm sewer system which discharges into the drainage east of the building. No permitting is recommended and no EPA forms were prepared.

4.7 Outfall 3-261-OPN-8

This outfall receives water from roof drains RD20, RD21 and RD28. The outfall ties into the storm sewer system east of the building before discharging into the drainage across Casa Grande Road. No permitting is recommended and no EPA forms were prepared.

#### 4.8 Outfall 3-261-OPN-10

This outfall receives water from roof drains RD22 through RD27 from the central roof. The outfall ties into the storm sewer system east of the building before discharging into the drainage across Casa Grande Road. No permitting is recommended and no EPA forms were prepared.

#### 4.9 Outfall 3-261-OPN-12

This outfall receives water from roof drains RD1 through RD17 which drains the northern courtyard area. This area is mostly grass but is actually the roof of the northern portion of the building. No changes are recommended and no EPA forms were prepared.

#### 4.10 Outfalls 3-261-OPN-15 and 3-261-OPN-16

These outfalls to daylight discharge drains from the boiler system. These discharges should be included in an NOI. No changes are recommended. No EPA forms were prepared for this outfall.

#### 4.11 Outfall 3-261-OPN-18

This outfall receives storm water from roof drains RD29 through RD36 from the upper southern most roof. The discharge ties into the area's storm sewer system on the southwestern side of the building. No permitting is recommended and no EPA forms were prepared.

## 5.0 CONCLUSION

This document provides the information to characterize buildings 41 and 261 in TA-3. There are no permitted discharges at these buildings and no EPA forms were necessary.

Permitting is not required for the remaining outfalls as itemized below:

Discharge to Sanitary Sewer:

- |                |                |
|----------------|----------------|
| 1. 3-41-OPN-1  | 2. 3-261-OPN-1 |
| 3. 3-261-OPN-2 | 4. 3-261-OPN-3 |

Fire water drains:

- |                 |                 |
|-----------------|-----------------|
| 1. 3-261-OPN-5  | 2. 3-261-OPN-6  |
| 3. 3-261-OPN-11 | 4. 3-261-OPN-13 |
| 5. 3-261-OPN-14 | 6. 3-261-OPN-19 |

Hot water heater relief valve:

- |               |               |
|---------------|---------------|
| 1. 3-41-OPN-2 | 2. 3-41-OPN-3 |
| 3. 3-41-OPN-4 |               |

Discharges of storm water:

- |                 |                 |
|-----------------|-----------------|
| 1. 3-41-OPN-5   | 2. 3-261-OPN-4  |
| 3. 3-261-OPN-7  | 4. 3-261-OPN-8  |
| 5. 3-261-OPN-9  | 6. 3-261-OPN-10 |
| 7. 3-261-OPN-12 | 8. 3-261-OPN-17 |
| 9. 3-261-OPN-18 |                 |

Discharges of steam condensate:

- |                 |                 |
|-----------------|-----------------|
| 1. 3-261-OPN-15 | 2. 3-261-OPN-16 |
|-----------------|-----------------|

Discharges from boiler drains:

- |               |               |
|---------------|---------------|
| 1. 3-41-OPN-3 | 2. 3-41-OPN-4 |
|---------------|---------------|

Recommended permitting and corrective actions are outlined in Tables 2 and 3. Corrective actions should be performed as soon as practicable to minimize the chance of unpermitted discharge of pollutants.

**TABLE 1**  
**SUMMARY OF ABBREVIATIONS**

ABBREVIATION	MEANING
DW	Dish Washer
FD	Floor Drain
IM	Ice Machine
FD	Floor Drain
LS	Lift Station
LV	Lavatory
MH	Manhole
RD	Roof Drain
SD	Sink
SH	Shower
TD	Trench Drain
TL	Toilet
UR	Urinal
WF	Water Fountain
WM	Washing Machine

TABLE 2: TA 3-41 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-41-OPN-1 SANITARY	1FD7	RESTROOM	107	NO CHANGE	NO
	1LV1	RESTROOM	107	NO CHANGE	
	1SD1	JANITOR'S CLOSET	106	LABEL	
	1SD2	EXERCISE ROOM	102	PLUGGED	
	1SD3	EXERCISE ROOM	102	PLUGGED	
	1TL1	RESTROOM	107	NO CHANGE	
	1UR1	RESTROOM	107	NO CHANGE	
	2DW1	KITCHEN	215	NO CHANGE	
	2FD1	LOCKER ROOM	203	NO CHANGE	
	2FD2	LOCKER ROOM	203	NO CHANGE	
	2LV1	LOCKER ROOM	203	NO CHANGE	
	2LV2	LOCKER ROOM	203	NO CHANGE	
	2LV3	LOCKER ROOM	203	NO CHANGE	
	2LV4	LOCKER ROOM	203	NO CHANGE	
	2LV5	LOCKER ROOM	203	NO CHANGE	
	2LV6	RESTROOM	211	NO CHANGE	
	2LV7	RESTROOM	201	NO CHANGE	
	2LV8	RESTROOM/ADDITION	221	NO CHANGE	
	2LV9	RESTROOM/ADDITION	221	NO CHANGE	
	2SD1	RESTROOM	209	NO CHANGE	
	2SD2	KITCHEN	215	NO CHANGE	
	2SD3	KITCHEN	215	NO CHANGE	
	2SH1	LOCKER ROOM	203	NO CHANGE	
	2SH2	LOCKER ROOM	203	NO CHANGE	
	2SH3	LOCKER ROOM	203	NO CHANGE	
	2SH4	LOCKER ROOM	203	NO CHANGE	
	2SH5	RESTROOM	210	NO CHANGE	
	2SH6	RESTROOM	201	NO CHANGE	
	2SH7	RESTROOM/ADDITION	221	NO CHANGE	
	2SH8	RESTROOM/ADDITION	221	NO CHANGE	
	2TL1	LOCKER ROOM	202	NO CHANGE	
	2TL2	LOCKER ROOM	202	NO CHANGE	
	2TL3	LOCKER ROOM	202	NO CHANGE	
	2TL4	LOCKER ROOM	202	NO CHANGE	
2TL5	RESTROOM	211	NO CHANGE		
2TL6	RESTROOM	201	NO CHANGE		
2TL7	RESTROOM/ADDITION	221	NO CHANGE		
2TL8	RESTROOM/ADDITION	221	NO CHANGE		
2WF1	HALLWAY	217	NO CHANGE		

TABLE 2: TA 3-41 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-41-OPN-2	N/A	EQUIPMENT ROOM	103	NO CHANGE	NO
3-41-OPN-3	N/A	EQUIPMENT ROOM	103	NO CHANGE	NO
3-41-OPN-4	N/A	EQUIPMENT ROOM	103	NO CHANGE	NO
3-41-OPN-5	1FD1	TRUCK ROOM	101	REROUTE TO SANITARY	NO
	1FD2	TRUCK ROOM	101	REROUTE TO SANITARY	
	1FD3	TRUCK ROOM	101	REROUTE TO SANITARY	
	1FD4	TRUCK ROOM	101	REROUTE TO SANITARY	
	1FD5	TRUCK ROOM	101	REROUTE TO SANITARY	
	1FD6	TRUCK ROOM	101	REROUTE TO SANITARY	
	1FD8	EQUIPMENT ROOM	103	REROUTE TO SANITARY	
	1FD9	EQUIPMENT ROOM	103	REROUTE TO SANITARY	
	1TD1	TRUCK ROOM	110	REROUTE TO SANITARY	
	1TD2	TRUCK ROOM	110	REROUTE TO SANITARY	
	1WF1	TRUCK ROOM	101	REROUTE TO SANITARY	
	RD1	ROOF		NO CHANGE	
	RD2	ROOF		NO CHANGE	
	RD3	ROOF		NO CHANGE	
	RD4	ROOF		NO CHANGE	
	RD5	ROOF		NO CHANGE	
RD6	ROOF		NO CHANGE		

TABLE 3: TA 3-261 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-261-OPN-1 SANITARY	1FD01	EQUIPMENT ROOM	B-102	NO CHANGE	NO
	1FD02	EQUIPMENT ROOM	B-102	NO CHANGE	
	1FD03	COURTYARD	EXT	NO CHANGE	
	1FD04	COURTYARD	EXT	NO CHANGE	
	1FD05	COURTYARD	EXT	NO CHANGE	
	1FD12	RESTROOM	B-108	NO CHANGE	
	1FD13	RESTROOM	B-108	NO CHANGE	
	1FD14	RESTROOM	B-106	NO CHANGE	
	1FD15	RESTROOM	B-106	NO CHANGE	
	1LV1	RESTROOM	B-106	NO CHANGE	
	1LV2	RESTROOM	B-108	NO CHANGE	
	1LV3	RESTROOM	B-108	NO CHANGE	
	1LV4	RESTROOM	B-106	NO CHANGE	
	1SD1	JANITOR'S CLOSET	B-104	LABEL	
	1TL01	RESTROOM	B-106A	NO CHANGE	
	1TL02	RESTROOM	B-106A	NO CHANGE	
	1TL03	RESTROOM	B-108A	NO CHANGE	
	1TL04	RESTROOM	B-108A	NO CHANGE	
	1TL05	RESTROOM	B-108A	NO CHANGE	
	1TL06	RESTROOM	B-108A	NO CHANGE	
	1UR1	RESTROOM	B-106A	NO CHANGE	
	1UR2	RESTROOM	B-106A	NO CHANGE	
	1WF1	HALLWAY	B-100	NO CHANGE	
	2FD1	RESTROOM	B-206	NO CHANGE	
	2FD2	RESTROOM	B-206	NO CHANGE	
	2FD3	RESTROOM	B-208	NO CHANGE	
	2FD4	RESTROOM	B-208	NO CHANGE	
	2LV1	RESTROOM	B-206	NO CHANGE	
	2LV2	RESTROOM	B-206	NO CHANGE	
	2LV3	RESTROOM	B-208	NO CHANGE	
	2LV4	RESTROOM	B-208	NO CHANGE	
	2SD1	JANITOR'S CLOSET	B-204	LABEL	
	2TL01	RESTROOM	B-206A	NO CHANGE	
	2TL02	RESTROOM	B-206A	NO CHANGE	
	2TL03	RESTROOM	B-208A	NO CHANGE	
	2TL04	RESTROOM	B-208A	NO CHANGE	
	2TL05	RESTROOM	B-208A	NO CHANGE	
	2TL06	RESTROOM	B-208A	NO CHANGE	

TABLE 3: TA 3-261 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-261-OPN-1 (CONT)	2UR1	RESTROOM	B-206A	NO CHANGE	
	2UR2	RESTROOM	B-206A	NO CHANGE	
	2WF1	HALLWAY	E-200	NO CHANGE	
	2WF2	HALLWAY	S-214	NO CHANGE	
	2WF4	HALLWAY	E-234	NO CHANGE	
	3FD46	RESTROOM	C-304	NO CHANGE	
	3FD47	RESTROOM	C-304	NO CHANGE	
	3FD48	RESTROOM	C-305	NO CHANGE	
	3FD49	RESTROOM	C-305	NO CHANGE	
	3LV1	RESTROOM	C-305	NO CHANGE	
	3LV2	RESTROOM	C-304	NO CHANGE	
	3TL1	RESTROOM	C-305	NO CHANGE	
	3TL2	RESTROOM	C-305	NO CHANGE	
	3TL3	RESTROOM	C-304	NO CHANGE	
3UR1	RESTROOM	C-304	NO CHANGE		
3-261-OPN-02 SANITARY	3FD02	BAKERY	C-309	CLEAN GREASE TRAPS BELOW KITCHEN FLOOR	NO
	3FD03	KITCHEN	E-300		
	3FD04	KITCHEN	E-300		
	3FD05	KITCHEN	E-305		
	3FD06	KITCHEN	E-305	NO CHANGE	
	3FD07	KITCHEN	E-305	NO CHANGE	
	3FD08	KITCHEN	E-305	NO CHANGE	
	3FD09	KITCHEN	E-305	NO CHANGE	
	3FD10	KITCHEN	E-305	ALTERNATE CLEANER	
	3FD11	KITCHEN	E-305	NO CHANGE	
	3FD12	KITCHEN	E-305	NO CHANGE	
	3FD13	KITCHEN	E-305	NO CHANGE	
	3FD14	KITCHEN	E-305	NO CHANGE	
	3FD15	KITCHEN/DISHWASH	E-308	NO CHANGE	
	3FD16	KITCHEN/DISHWASH	E-308	NO CHANGE	
	3FD17	KITCHEN	E-305	ALTERNATE CLEANER	
	3FD18	KITCHEN/BEVERAGE	E-306	NO CHANGE	
	3FD19	KITCHEN/BEVERAGE	E-306	NO CHANGE	
	3FD20	KITCHEN	A-311	NO CHANGE	
	3FD21	KITCHEN	A-311	NO CHANGE	
	3FD22	KITCHEN	E-305	NO CHANGE	
	3FD23	KITCHEN	E-305	ALTERNATE CLEANER	
	3FD24	KITCHEN	E-305	NO CHANGE	

TABLE 3: TA 3-261 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-261-OPN-02 (CONT)	3FD25	KITCHEN	A-311	NO CHANGE	
	3FD26	KITCHEN	A-309	NO CHANGE	
	3FD27	KITCHEN	A-309	NO CHANGE	
	3FD28	KITCHEN	A-309	NO CHANGE	
	3FD29	KITCHEN	A-309	NO CHANGE	
	3FD30	KITCHEN	A-309	NO CHANGE	
	3FD31	KITCHEN	A-309	NO CHANGE	
	3FD32	KITCHEN	A-304	NO CHANGE	
	3FD33	KITCHEN	A-304	NO CHANGE	
	3FD34	KITCHEN	A-304	NO CHANGE	
	3FD35	KITCHEN	A-304	NO CHANGE	
	3FD36	KITCHEN/DISHWASH	A-308	NO CHANGE	
	3FD37	KITCHEN/DISHWASH	A-308	NO CHANGE	
	3FD38	KITCHEN/DISHWASH	A-308	NO CHANGE	
	3FD39	KITCHEN/DISHWASH	A-300	NO CHANGE	
	3FD40	KITCHEN/DISHWASH	A-308	NO CHANGE	
	3FD41	KITCHEN/DISHWASH	A-308	NO CHANGE	
	3FD42	KITCHEN/DISHWASH	A-308	NO CHANGE	
	3FD43	KITCHEN/DISHWASH	A-308	NO CHANGE	
	3FD44	KITCHEN/DISHWASH	A-308	NO CHANGE	
	3FD45	KITCHEN	E-302	NO CHANGE	
	3FD50	KITCHEN/LAUNDRY	E-301	NO CHANGE	
	3IM1	KITCHEN	A-311	NO CHANGE	
	3SD01	KITCHEN/BAKERY	E-309	NO CHANGE	
	3SD02	KITCHEN/DISHWASH	E-308	NO CHANGE	
	3SD03	KITCHEN/DISHWASH	E-308	NO CHANGE	
	3SD04	KITCHEN	E-305	NO CHANGE	
	3SD05	KITCHEN	E-305	NO CHANGE	
	3SD06	KITCHEN	E-305	NO CHANGE	
	3SD07	KITCHEN	E-300	NO CHANGE	
	3SD08	KITCHEN	E-305	NO CHANGE	
	3SD09	KITCHEN	E-305	NO CHANGE	
	3SD10	KITCHEN	E-305	NO CHANGE	
3SD11	KITCHEN/JANITOR'S CLOSET	E-307	NO CHANGE		
3SD12	KITCHEN	A-311	NO CHANGE		
3SD13	KITCHEN	A-312	NO CHANGE		
3SD14	KITCHEN	A-310	NO CHANGE		
3SD15	KITCHEN	A-310	NO CHANGE		

TABLE 3: TA 3-261 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-261-OPN-02 (CONT)	3SH1	KITCHEN/LAUNDRY	E-301	NO CHANGE	
	3WF1	KITCHEN	E-300	NO CHANGE	
	3WM1	KITCHEN/LAUNDRY	E-301	NO CHANGE	
3-261-OPN-3 SANITARY	1FD06	EQUIPMENT ROOM	S-102	NO CHANGE	NO
	1FD07	RESTROOM	S-148	NO CHANGE	
	1FD08	RESTROOM	S-156	NO CHANGE	
	1FD09	RESTROOM	S-156	NO CHANGE	
	1FD10	RESTROOM	S-148	NO CHANGE	
	1LV5	RESTROOM	S-148	NO CHANGE	
	1LV6	RESTROOM	S-156	NO CHANGE	
	1LV7	RESTROOM	S-156	NO CHANGE	
	1LV8	RESTROOM	S-148	NO CHANGE	
	1SD2	JANITOR'S CLOSET	S-146	NO CHANGE	
	1TL07	RESTROOM	S-148A	NO CHANGE	
	1TL08	RESTROOM	S-148A	NO CHANGE	
	1TL09	RESTROOM	S-156A	NO CHANGE	
	1TL10	RESTROOM	S-156A	NO CHANGE	
	1TL11	RESTROOM	S-156A	NO CHANGE	
	1TL12	RESTROOM	S-156A	NO CHANGE	
	1UR3	RESTROOM	S-148A	NO CHANGE	
	1UR4	RESTROOM	S-148A	NO CHANGE	
	1WF2	HALLWAY	S-100	NO CHANGE	
	2FD5	RESTROOM	S-248	NO CHANGE	
	2FD6	RESTROOM	S-248	NO CHANGE	
	2FD7	RESTROOM	S-256	NO CHANGE	
	2FD8	RESTROOM	S-256	NO CHANGE	
	2LV5	RESTROOM	S-248	NO CHANGE	
	2LV6	RESTROOM	S-248	NO CHANGE	
	2LV7	RESTROOM	S-256	NO CHANGE	
	2LV8	RESTROOM	S-256	NO CHANGE	
	2SD2	JANITOR'S CLOSET	S-246	NO CHANGE	
	2TL07	RESTROOM	S-248A	NO CHANGE	
	2TL08	RESTROOM	S-248A	NO CHANGE	
	2TL09	RESTROOM	S-256A	NO CHANGE	
	2TL10	RESTROOM	S-256A	NO CHANGE	
2TL11	RESTROOM	S-256A	NO CHANGE		
2TL12	RESTROOM	S-256A	NO CHANGE		
2UR3	RESTROOM	S-248A	NO CHANGE		

TABLE 3: TA 3-261 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-261-OPN-3 (CONT)	2UR4	RESTROOM	S-248A	NO CHANGE	
	2WF3	HALLWAY	S-200	NO CHANGE	
	3FD51	EQUIPMENT ROOM	F-305	NO CHANGE	
	3FD52	EQUIPMENT ROOM	F-305	NO CHANGE	
	3FD53	EQUIPMENT ROOM	F-305	NO CHANGE	
	3FD54	EQUIPMENT ROOM	F-305	NO CHANGE	
	3FD55	EQUIPMENT ROOM	F-305	NO CHANGE	
	3FD56	EQUIPMENT ROOM	F-305	CONTAIN	
	3FD57	EQUIPMENT ROOM	F-305	CONTAIN	
	3FD58	EQUIPMENT ROOM	F-305	NO CHANGE	
	3FD59	EQUIPMENT ROOM	F-305	NO CHANGE	
	3FD60	EQUIPMENT ROOM	F-305	NO CHANGE	
	3FD61	EQUIPMENT ROOM	F-305	NO CHANGE	
	3FD62	EQUIPMENT ROOM	F-305	NO CHANGE	
	3FD63	EQUIPMENT ROOM	F-305	CONTAIN COMP LIQ	
	3FD64	BANQUET ROOM	F-308	NO CHANGE	
	3FD65	BANQUET ROOM	F-308	NO CHANGE	
	3FD66	BANQUET ROOM	F-308	NO CHANGE	
	3FD67	RESTROOM	G-301	NO CHANGE	
	3FD68	RESTROOM	G-301	NO CHANGE	
	3FD69	RESTROOM	G-306	NO CHANGE	
	3FD70	RESTROOM	G-306	NO CHANGE	
	3IM3	BANQUET ROOM	F-308	NO CHANGE	
	3LV3	RESTROOM	G-301	NO CHANGE	
	3LV4	RESTROOM	G-301	NO CHANGE	
	3LV5	RESTROOM	G-306	NO CHANGE	
	3LV6	RESTROOM	G-306	NO CHANGE	
	3LV7	RESTROOM	G-306	NO CHANGE	
	3SD16	JANITOR'S CLOSET	G-305	NO CHANGE	
	3SD17	BANQUET ROOM	F-308	NO CHANGE	
	3SH2	RESTROOM	G-301	NO CHANGE	
	3SH3	RESTROOM	G-301	NO CHANGE	
	3SH4	RESTROOM	G-306	NO CHANGE	
	3SH5	RESTROOM	G-306	NO CHANGE	
3TL4	RESTROOM	G-301	NO CHANGE		
3TL5	RESTROOM	G-301	NO CHANGE		
3TL6	RESTROOM	G-301	NO CHANGE		
3TL7	RESTROOM	G-306	NO CHANGE		

TABLE 3: TA 3-261 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-261-OPN-3 (CONT)	3TL8	RESTROOM	G-306	NO CHANGE	
	3TL9	RESTROOM	G-306	NO CHANGE	
	3UR2	RESTROOM	G-301	NO CHANGE	
	3UR3	RESTROOM	G-301	NO CHANGE	
	3UR4	RESTROOM	G-301	NO CHANGE	
	3WF2	HALLWAY	G-300	NO CHANGE	
3-261-OPN-04 STORM SEWER	RD37	ROOF	EXT	NO CHANGE	NO
	RD38	ROOF	EXT	NO CHANGE	
	RD39	ROOF	EXT	NO CHANGE	
	RD40	ROOF	EXT	NO CHANGE	
	RD41	ROOF	EXT	NO CHANGE	
	RD42	ROOF	EXT	NO CHANGE	
	RD43	ROOF	EXT	NO CHANGE	
	RD44	ROOF	EXT	NO CHANGE	
3-261-OPN-05	N/A	FIRE SYSTEM	N/A	NO CHANGE	NO
3-261-OPN-06	N/A	FIRE SYSTEM	N/A	NO CHANGE	NO
3-261-OPN-07	2FD10	OUTSD STAIR DRAIN	EXT	NO CHANGE	NO
3-261-OPN-08 STORM SEWER	RD20	ROOF	EXT	NO CHANGE	NO
	RD21	ROOF	EXT	NO CHANGE	
	RD28	ROOF	EXT	NO CHANGE	
3-261-OPN-09	2FD09	OUTSD STAIR DRAIN	EXT	NO CHANGE	NO
3-261-OPN-10 STORM SEWER	RD18	ROOF	EXT	NO CHANGE	NO
	RD19	ROOF	EXT	NO CHANGE	
	RD22	ROOF	EXT	NO CHANGE	
	RD23	ROOF	EXT	NO CHANGE	
	RD24	ROOF	EXT	NO CHANGE	
	RD25	ROOF	EXT	NO CHANGE	
	RD26	ROOF	EXT	NO CHANGE	
	RD27	ROOF	EXT	NO CHANGE	
3-261-OPN-11	N/A	FIRE SYSTEM	F-305	NO CHANGE	NO
3-261-OPN-12 STORM SEWER	RD01	ROOF	F-305	NO CHANGE	NO
	RD02	ROOF	F-305	NO CHANGE	
	RD03	ROOF	EXT	NO CHANGE	
	RD04	ROOF	EXT	NO CHANGE	
	RD05	ROOF	EXT	NO CHANGE	
	RD06	ROOF	EXT	NO CHANGE	
	RD07	ROOF	EXT	NO CHANGE	
	RD08	ROOF	EXT	NO CHANGE	

TABLE 3: TA 3-261 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-261-OPN-12 (CONT)	RD09	ROOF	EXT	NO CHANGE	NO
	RD10	ROOF	EXT	NO CHANGE	
	RD11	ROOF	EXT	NO CHANGE	
	RD12	ROOF	EXT	NO CHANGE	
	RD13	ROOF	EXT	NO CHANGE	
	RD14	ROOF	EXT	NO CHANGE	
	RD15	ROOF	EXT	NO CHANGE	
	RD16	ROOF	EXT	NO CHANGE	
	RD17	ROOF	EXT	NO CHANGE	
3-261-OPN-13	N/A	FIRE SYSTEM	N/A	NO CHANGE	NO
3-261-OPN-14	N/A	EQUIPMENT ROOM	F-305	NO CHANGE	NO
3-261-OPN-15	N/A	EQUIPMENT ROOM	F-305	NOI	NO
3-261-OPN-16	N/A	EQUIPMENT ROOM	F-305	NOI	NO
3-261-OPN-17	3FD1	OUTSD STAIR DRAIN	EXT	NO CHANGE	NO
3-261-OPN-18 STORM SEWER	RD29	ROOF	EXT	NO CHANGE	NO
	RD30	ROOF	EXT	NO CHANGE	
	RD31	ROOF	EXT	NO CHANGE	
	RD32	ROOF	EXT	NO CHANGE	
	RD33	ROOF	EXT	NO CHANGE	
	RD34	ROOF	EXT	NO CHANGE	
	RD35	ROOF	EXT	NO CHANGE	
	RD36	ROOF	EXT	NO CHANGE	
3-261-OPN-19	N/A	FIRE SYSTEM	N/A	NO CHANGE	NO

TABLE 4

NON-DRAIN RECOMMENDATIONS

TECHNICAL AREA	BUILDING NUMBER	ROOM OR LOCATION	RECOMMENDATION
3	41	OPN-5	ROUTINE MAINTENANCE ON OIL INTERCEPTOR
3	261	KITCHEN	USE ALTERNATE HOOD CLEANER
3	261	F-305	CONTAIN POSSIBLE DISCHARGE OF GLYCOL-BASED ANTIFREEZE

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TA	BLDG	OUTLET	EPA	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
		PIPING NO	OUTFALL #							
3	41	3-041-OPN-1	01S/SWSC	1FD7	107	REST ROOM		7 DAYS A WEEK	No	FLOOR WASHING
3	41	3-041-OPN-1	01S/SWSC	1LV1	107	REST ROOM		7 DAYS A WEEK	No	LAVATORY
3	41	3-041-OPN-1	01S/SWSC	1SD1	106	JANITOR'S CLOSET		7 DAYS A WEEK	No	FLOOR WASHING
3	41	3-041-OPN-1	01S/SWSC	1SD2	102	EXERCISE ROOM		NONE	No	PLUGGED
3	41	3-041-OPN-1	01S/SWSC	1SD3	102	EXERCISE ROOM		NONE	No	PLUGGED
3	41	3-041-OPN-1	01S/SWSC	1TL1	107	REST ROOM		7 DAYS A WEEK	No	TOILET
3	41	3-041-OPN-1	01S/SWSC	1UR1	107	REST ROOM		7 DAYS A WEEK	No	URINAL
3	41	3-041-OPN-1	01S/SWSC	2DW1	215	KITCHEN		7 DAYS A WEEK	No	DISHWASHER
3	41	3-041-OPN-1	01S/SWSC	2FD1	203	LOCKER ROOM		7 DAYS A WEEK	No	FLOOR WASHINGS
3	41	3-041-OPN-1	01S/SWSC	2FD2	203	LOCKER ROOM		7 DAYS A WEEK	No	FLOOR WASHING
3	41	3-041-OPN-1	01S/SWSC	2LV1	203	LOCKER ROOM		7 DAYS A WEEK	No	LAVATORY
3	41	3-041-OPN-1	01S/SWSC	2LV2	203	LOCKER ROOM		7 DAYS A WEEK	No	LAVATORY
3	41	3-041-OPN-1	01S/SWSC	2LV3	203	LOCKER ROOM		7 DAYS A WEEK	No	LAVATORY
3	41	3-041-OPN-1	01S/SWSC	2LV4	203	LOCKER ROOM		7 DAYS A WEEK	No	LAVATORY
3	41	3-041-OPN-1	01S/SWSC	2LV5	203	LOCKER ROOM		7 DAYS A WEEK	No	LAVATORY
3	41	3-041-OPN-1	01S/SWSC	2LV6	211	REST ROOM		7 DAYS A WEEK	No	LAVATORY
3	41	3-041-OPN-1	01S/SWSC	2LV7	201	REST ROOM		7 DAYS A WEEK	No	LAVATORY
3	41	3-041-OPN-1	01S/SWSC	2LV8	221	REST ROOM/ADDITION		7 DAYS A WEEK	No	LAVATORY
3	41	3-041-OPN-1	01S/SWSC	2LV9	221	REST ROOM/ADDITION		7 DAYS A WEEK	No	LAVATORY
3	41	3-041-OPN-1	01S/SWSC	2SD1	209	REST ROOM		7 DAYS A WEEK	No	HAND WASH
3	41	3-041-OPN-1	01S/SWSC	2SD2	215	KITCHEN		7 DAYS A WEEK	No	DISH WASHING
3	41	3-041-OPN-1	01S/SWSC	2SD3	215	KITCHEN		7 DAYS A WEEK	No	DISH WASHING
3	41	3-041-OPN-1	01S/SWSC	2SH1	203	LOCKER ROOM		7 DAYS A WEEK	No	SHOWER
3	41	3-041-OPN-1	01S/SWSC	2SH2	203	LOCKER ROOM		7 DAYS A WEEK	No	SHOWER
3	41	3-041-OPN-1	01S/SWSC	2SH3	203	LOCKER ROOM		7 DAYS A WEEK	No	SHOWER
3	41	3-041-OPN-1	01S/SWSC	2SH4	203	LOCKER ROOM		7 DAYS A WEEK	No	SHOWER
3	41	3-041-OPN-1	01S/SWSC	2SH5	210	REST ROOM		7 DAYS A WEEK	No	SHOWER
3	41	3-041-OPN-1	01S/SWSC	2SH6	201	REST ROOM		7 DAYS A WEEK	No	SHOWER
3	41	3-041-OPN-1	01S/SWSC	2SH7	221	REST ROOM/ADDITION		7 DAYS A WEEK	No	SHOWER
3	41	3-041-OPN-1	01S/SWSC	2SH8	221	REST ROOM/ADDITION		7 DAYS A WEEK	No	SHOWER
3	41	3-041-OPN-1	01S/SWSC	2TL1	202	LOCKER ROOM		7 DAYS A WEEK	No	TOILET
3	41	3-041-OPN-1	01S/SWSC	2TL2	202	REST ROOM		7 DAYS A WEEK	No	TOILET
3	41	3-041-OPN-1	01S/SWSC	2TL3	202	LOCKER ROOM		7 DAYS A WEEK	No	TOILET

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	41	3-041-OPN-1	01S/SWSC	2TL4	202	LOCKER ROOM		7 DAYS A WEEK	No	TOILET
3	41	3-041-OPN-1	01S/SWSC	2TL5	211	LOCKER ROOM		7 DAYS A WEEK	No	TOILET
3	41	3-041-OPN-1	01S/SWSC	2TL6	201	REST ROOM		7 DAYS A WEEK	No	TOILET
3	41	3-041-OPN-1	01S/SWSC	2TL7	221	REST ROOM/ADDITION		7 DAYS A WEEK	No	TOILET
3	41	3-041-OPN-1	01S/SWSC	2TL8	221	REST ROOM/ADDITION		7 DAYS A WEEK	No	TOILET
3	41	3-041-OPN-1	01S/SWSC	2WF1	217	HALLWAY		7 DAYS A WEEK	No	WATER FOUNTAIN
3	41	3-041-OPN-2	DAYLIGHT	N/A	103	EQUIPMENT ROOM		FLOW IS NIL	No	PRESS RELIEF VALVE
3	41	3-041-OPN-3	DAYLIGHT	N/A	103	EQUIPMENT ROOM		FLOW IS NIL	No	BOILER DRAIN
3	41	3-041-OPN-4	DAYLIGHT	N/A	103	EQUIPMENT ROOM		FLOW IS NIL	No	BOILER DRAIN
3	41	3-041-OPN-5	DAYLIGHT	1FD1	101	TRUCK ROOM		FLOW IS NIL	No	FLOOR WASHING
3	41	3-041-OPN-5	DAYLIGHT	1FD2	101	TRUCK ROOM		FLOW IS NIL	No	FLOOR WASHING
3	41	3-041-OPN-5	DAYLIGHT	1FD3	101	TRUCK ROOM		FLOW IS NIL	No	FLOOR WASHING
3	41	3-041-OPN-5	DAYLIGHT	1FD4	101	TRUCK ROOM		FLOW IS NIL	No	FLOOR WASHING
3	41	3-041-OPN-5	DAYLIGHT	1FD5	101	TRUCK ROOM		FLOW IS NIL	No	FLOOR WASHING
3	41	3-041-OPN-5	DAYLIGHT	1FD6	101	TRUCK ROOM		FLOW IS NIL	No	FLOOR WASHING
3	41	3-041-OPN-5	DAYLIGHT	1FD8	103	EQUIPMENT ROOM		7 DAYS A WEEK	No	BOILER & HEATER DRAIN
3	41	3-041-OPN-5	DAYLIGHT	1FD9	103	EQUIPMENT ROOM		7 DAYS A WEEK	No	BOILER & HEATER DRAIN
3	41	3-041-OPN-5	DAYLIGHT	1TD1	101	TRUCK ROOM		FLOW IS NIL	No	TRENCH DRAIN/FLOOR WASHING
3	41	3-041-OPN-5	DAYLIGHT	1TD2	101	TRUCK ROOM		FLOW IS NIL	No	TRENCH DRAIN/FLOOR WASHING
3	41	3-041-OPN-5	DAYLIGHT	1WF1	101	TRUCK ROOM		7 DAYS A WEEK	No	WATER FOUNTAIN
3	41	3-041-OPN-5	DAYLIGHT	RD1	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	41	3-041-OPN-5	DAYLIGHT	RD2	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	41	3-041-OPN-5	DAYLIGHT	RD3	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	41	3-041-OPN-5	DAYLIGHT	RD4	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	41	3-041-OPN-5	DAYLIGHT	RD5	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	41	3-041-OPN-5	DAYLIGHT	RD6	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-01	01S/SWSC	1FD01	B-102	EQUIPMENT ROOM		FLOW IS NIL	No	BACK FLOW PREVENTER
3	261	3-261-OPN-01	01S/SWSC	1FD02	B-102	EQUIPMENT ROOM		FLOW IS NIL	No	BACK FLOW PREVENTER
3	261	3-261-OPN-01	01S/SWSC	1FD03	N/A	COURTYARD		DURING SUMMER	Yes	POOL DRAIN
3	261	3-261-OPN-01	01S/SWSC	1FD04	N/A	COURTYARD		DURING SUMMER	Yes	POOL DRAIN
3	261	3-261-OPN-01	01S/SWSC	1FD05	N/A	COURTYARD		DURING SUMMER	Yes	POOL DRAIN
3	261	3-261-OPN-01	01S/SWSC	1FD12	B-108	REST ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	1FD13	B-108	REST ROOM		5 DAYS A WEEK	No	FLOOR WASHING

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	261	3-261-OPN-01	01S/SWSC	1FD14	B-106	REST ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	1FD15	B-106	REST ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	1LV1	B-106	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-01	01S/SWSC	1LV2	B-108	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-01	01S/SWSC	1LV3	B-108	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-01	01S/SWSC	1LV4	B-106	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-01	01S/SWSC	1SD1	B-104	JANITOR'S CLOSET		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	1TL01	B-106A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	1TL02	B-106A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	1TL03	B-106A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	1TL04	B-108A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	1TL05	B-108A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	1TL06	B-108A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	1UR1	B-106A	REST ROOM		5 DAYS A WEEK	No	URINAL
3	261	3-261-OPN-01	01S/SWSC	1UR2	B-106A	REST ROOM		5 DAYS A WEEK	No	URINAL
3	261	3-261-OPN-01	01S/SWSC	1WF1	B-100	HALLWAY		5 DAYS A WEEK	No	WATER FOUNTAIN
3	261	3-261-OPN-01	01S/SWSC	2FD1	B-206	REST ROOM		FLOW IS NIL	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	2FD2	B-206	REST ROOM		FLOW IS NIL	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	2FD3	B-208	REST ROOM		FLOW IS NIL	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	2FD4	B-208	REST ROOM		FLOW IS NIL	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	2LV1	B-206	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-01	01S/SWSC	2LV2	B-206	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-01	01S/SWSC	2LV3	B-208	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-01	01S/SWSC	2LV4	B-208	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-01	01S/SWSC	2SD1	B-204	JANITOR'S CLOSET		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	2TL01	B-206A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	2TL02	B-206A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	2TL03	B-208A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	2TL04	B-208A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	2TL05	B-208A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	2TL06	B-208A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	2UR1	B-206A	REST ROOM		5 DAYS A WEEK	No	URINAL
3	261	3-261-OPN-01	01S/SWSC	2UR2	B-206A	REST ROOM		5 DAYS A WEEK	No	URINAL

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	261	3-261-OPN-01	01S/SWSC	2WF1	E-200	HALLWAY		5 DAYS A WEEK	No	WATER FOUNTAIN
3	261	3-261-OPN-01	01S/SWSC	2WF2	S-214	HALLWAY		5 DAYS A WEEK	No	WATER FOUNTAIN
3	261	3-261-OPN-01	01S/SWSC	2WF4	E-234	HALLWAY		5 DAYS A WEEK	No	WATER FOUNTAIN
3	261	3-261-OPN-01	01S/SWSC	3FD46	C-304	REST ROOM		FLOW IS NIL	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	3FD47	C-304	REST ROOM		FLOW IS NIL	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	3FD48	C-305	REST ROOM		FLOW IS NIL	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	3FD49	C-305	REST ROOM		FLOW IS NIL	No	FLOOR WASHING
3	261	3-261-OPN-01	01S/SWSC	3LV1	C-305	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-01	01S/SWSC	3LV2	C-304	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-01	01S/SWSC	3TL1	C-305	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	3TL2	C-305	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	3TL3	C-304	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-01	01S/SWSC	3UR1	C-304	REST ROOM		5 DAYS A WEEK	No	URINAL
3	261	3-261-OPN-02	01S/SWSC	3FD02	C-309	BAKERY		5 DAYS A WEEK	No	COOLER CONDENSATE
3	261	3-261-OPN-02	01S/SWSC	3FD03	E-300	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-02	01S/SWSC	3FD04	E-300	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-02	01S/SWSC	3FD05	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/COOLER COND
3	261	3-261-OPN-02	01S/SWSC	3FD06	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/COOLER COND
3	261	3-261-OPN-02	01S/SWSC	3FD07	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/COOLER COND
3	261	3-261-OPN-02	01S/SWSC	3FD08	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/COOLER COND
3	261	3-261-OPN-02	01S/SWSC	3FD09	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/COOLER COND
3	261	3-261-OPN-02	01S/SWSC	3FD10	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/HOOD CLEANER
3	261	3-261-OPN-02	01S/SWSC	3FD11	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/FOOD RINSE
3	261	3-261-OPN-02	01S/SWSC	3FD12	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/FOOD RINSE
3	261	3-261-OPN-02	01S/SWSC	3FD13	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/FOOD RINSE
3	261	3-261-OPN-02	01S/SWSC	3FD14	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/FOOD RINSE
3	261	3-261-OPN-02	01S/SWSC	3FD15	E-308	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-02	01S/SWSC	3FD16	E-308	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-02	01S/SWSC	3FD17	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/HOOD CLEANER
3	261	3-261-OPN-02	01S/SWSC	3FD18	E-306	KITCHEN/BEV SUPPLY		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-02	01S/SWSC	3FD19	E-306	KITCHEN/BEV SUPPLY		5 DAYS A WEEK	No	CARBON DIOXIDE/SYRUP
3	261	3-261-OPN-02	01S/SWSC	3FD20	A-311	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/ICE MACHINE
3	261	3-261-OPN-02	01S/SWSC	3FD21	A-311	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/HOT WATER

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	261	3-261-OPN-02	01S/SWSC	3FD22	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/FOOD RINSE
3	261	3-261-OPN-02	01S/SWSC	3FD23	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/HOOD CLEANER
3	261	3-261-OPN-02	01S/SWSC	3FD24	E-305	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/FOOD RINSE
3	261	3-261-OPN-02	01S/SWSC	3FD25	A-311	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/HOT WATER
3	261	3-261-OPN-02	01S/SWSC	3FD26	A-309	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/HOT WATER DRAIN
3	261	3-261-OPN-02	01S/SWSC	3FD27	A-309	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-02	01S/SWSC	3FD28	A-309	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-02	01S/SWSC	3FD29	A-309	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING/HOT WATER DRAIN
3	261	3-261-OPN-02	01S/SWSC	3FD30	A-309	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-02	01S/SWSC	3FD31	A-309	KITCHEN		5 DAYS A WEEK	No	CONDIMENT ISLAND DRAIN
3	261	3-261-OPN-02	01S/SWSC	3FD32	A-304	KITCHEN		5 DAYS A WEEK	No	BEVERAGE ISLAND DRAIN
3	261	3-261-OPN-02	01S/SWSC	3FD33	A-304	KITCHEN		5 DAYS A WEEK	No	BEVERAGE ISLAND DRAIN
3	261	3-261-OPN-02	01S/SWSC	3FD34	A-304	KITCHEN		5 DAYS A WEEK	No	BEVERAGE ISLAND DRAIN
3	261	3-261-OPN-02	01S/SWSC	3FD35	A-304	KITCHEN		5 DAYS A WEEK	No	BEVERAGE ISLAND DRAIN
3	261	3-261-OPN-02	01S/SWSC	3FD36	A-308	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	DETERGENTS/FOOD PARTICLES
3	261	3-261-OPN-02	01S/SWSC	3FD37	A-308	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	DETERGENTS/FOOD PARTICLES
3	261	3-261-OPN-02	01S/SWSC	3FD38	A-308	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	DETERGENTS/FOOD PARTICLES
3	261	3-261-OPN-02	01S/SWSC	3FD39	A-300	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	CONDIMENT ISLAND DRAIN
3	261	3-261-OPN-02	01S/SWSC	3FD40	A-308	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	DETERGENTS/FOOD PARTICLES
3	261	3-261-OPN-02	01S/SWSC	3FD41	A-308	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	DETERGENTS/FOOD PARTICLES
3	261	3-261-OPN-02	01S/SWSC	3FD42	A-308	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	DETERGENTS/FOOD PARTICLES
3	261	3-261-OPN-02	01S/SWSC	3FD43	A-308	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	DETERGENTS/FOOD PARTICLES
3	261	3-261-OPN-02	01S/SWSC	3FD44	A-308	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	DETERGENTS/FOOD PARTICLES
3	261	3-261-OPN-02	01S/SWSC	3FD45	E-302	KITCHEN		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-02	01S/SWSC	3FD50	E-301	KITCHEN/LAUNDRY ROOM		FLOW IS NIL	No	FLOOR WASHING
3	261	3-261-OPN-02	01S/SWSC	3IM1	A-311	KITCHEN		5 DAYS A WEEK	No	ICE MACHINE
3	261	3-261-OPN-02	01S/SWSC	3SD01	E-309	KITCHEN/BAKERY		5 DAYS A WEEK	No	GENERAL USE
3	261	3-261-OPN-02	01S/SWSC	3SD02	E-308	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	GREASE/POTS & PANS
3	261	3-261-OPN-02	01S/SWSC	3SD03	E-308	KITCHEN/DISHWASHING		5 DAYS A WEEK	No	GREASE/POTS & PANS
3	261	3-261-OPN-02	01S/SWSC	3SD04	E-305	KITCHEN		5 DAYS A WEEK	No	FOOD PREP & RINSE
3	261	3-261-OPN-02	01S/SWSC	3SD05	E-305	KITCHEN		5 DAYS A WEEK	No	FOOD PREP & RINSE
3	261	3-261-OPN-02	01S/SWSC	3SD06	E-305	KITCHEN		5 DAYS A WEEK	No	FOOD PREP & RINSE
3	261	3-261-OPN-02	01S/SWSC	3SD07	E-300	KITCHEN		5 DAYS A WEEK	No	GENERAL USE

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	261	3-261-OPN-02	01S/SWSC	3SD08	E-305	KITCHEN		5 DAYS A WEEK	No	FOOD PREP & RINSE
3	261	3-261-OPN-02	01S/SWSC	3SD09	E-305	KITCHEN		5 DAYS A WEEK	No	FOOD PREP & RINSE
3	261	3-261-OPN-02	01S/SWSC	3SD10	E-305	KITCHEN		5 DAYS A WEEK	No	FOOD PREP & RINSE
3	261	3-261-OPN-02	01S/SWSC	3SD11	E-307	JANITOR'S CLOSET		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-02	01S/SWSC	3SD12	A-311	KITCHEN		5 DAYS A WEEK	No	GENERAL USE
3	261	3-261-OPN-02	01S/SWSC	3SD13	A-312	KITCHEN		5 DAYS A WEEK	No	GENERAL USE
3	261	3-261-OPN-02	01S/SWSC	3SD14	A-310	KITCHEN		5 DAYS A WEEK	No	GENERAL FOOD PREP
3	261	3-261-OPN-02	01S/SWSC	3SD15	A-310	KITCHEN		5 DAYS A WEEK	No	GENERAL FOOD PREP
3	261	3-261-OPN-02	01S/SWSC	3SH1	E-301	KITCHEN/LAUNDRY ROOM		FLOW IS NIL	No	SHOWER NOT USED
3	261	3-261-OPN-02	01S/SWSC	3WF1	E-300	KITCHEN		5 DAYS A WEEK	No	WATER FOUNTAIN
3	261	3-261-OPN-02	01S/SWSC	3WM1	E-301	KITCHEN/LAUNDRY ROOM		5 DAYS A WEEK	No	WASHING MACHINE
3	261	3-261-OPN-03	01S/SWSC	1FD06	S-102	EQUIPMENT ROOM		FLOW IS NIL	No	BACK FLOW PREVENTER
3	261	3-261-OPN-03	01S/SWSC	1FD07	S-148	REST ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	1FD08	S-156	REST ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	1FD09	S-156	REST ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	1FD10	S-148	REST ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	1LV5	S-148	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	1LV6	S-156	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	1LV7	S-156	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	1LV8	S-148	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	1SD2	S-146	JANITOR'S CLOSET		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	1TL07	S-148A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	1TL08	S-148A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	1TL09	S-156A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	1TL10	S-156A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	1TL11	S-156A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	1TL12	S-156A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	1UR3	S-148A	REST ROOM		5 DAYS A WEEK	No	URINAL
3	261	3-261-OPN-03	01S/SWSC	1UR4	S-148A	REST ROOM		5 DAYS A WEEK	No	URINAL
3	261	3-261-OPN-03	01S/SWSC	1WF2	S-100	HALLWAY		5 DAYS A WEEK	No	WATER FOUNTAIN
3	261	3-261-OPN-03	01S/SWSC	2FD5	S-248	REST ROOM		FLOW IS NIL	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	2FD6	S-248	REST ROOM		FLOW IS NIL	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	2FD7	S-256	REST ROOM		FLOW IS NIL	No	FLOOR WASHING

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	261	3-261-OPN-03	01S/SWSC	2FD8	S-256	REST ROOM		FLOW IS NIL	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	2LV5	S-248	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	2LV6	S-248	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	2LV7	S-256	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	2LV8	S-256	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	2SD2	S-246	JANITOR'S CLOSET		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	2TL07	S-248A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	2TL08	S-248A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	2TL09	S-256A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	2TL10	S-256A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	2TL11	S-256A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	2TL12	S-256A	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	2UR3	S-248A	REST ROOM		5 DAYS A WEEK	No	URINAL
3	261	3-261-OPN-03	01S/SWSC	2UR4	S-248A	REST ROOM		5 DAYS A WEEK	No	URINAL
3	261	3-261-OPN-03	01S/SWSC	2WF3	S-200	HALLWAY		5 DAYS A WEEK	No	WATER FOUNTAIN
3	261	3-261-OPN-03	01S/SWSC	3FD51	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	BOILER/SOLAR CONDENSATE
3	261	3-261-OPN-03	01S/SWSC	3FD52	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	BOILER/SOLAR CONDENSATE
3	261	3-261-OPN-03	01S/SWSC	3FD53	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	BOILER/SOLAR CONDENSATE
3	261	3-261-OPN-03	01S/SWSC	3FD54	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	BOILER/SOLAR CONDENSATE
3	261	3-261-OPN-03	01S/SWSC	3FD55	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	BOILER BD/BFP
3	261	3-261-OPN-03	01S/SWSC	3FD56	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	BOILER BD/SOLAR SYSTEM
3	261	3-261-OPN-03	01S/SWSC	3FD57	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	BOILER BD/SOLAR SYSTEM
3	261	3-261-OPN-03	01S/SWSC	3FD58	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	3FD59	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	AIR WASHER DRAIN
3	261	3-261-OPN-03	01S/SWSC	3FD60	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	AIR WASHER DRAIN
3	261	3-261-OPN-03	01S/SWSC	3FD61	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	AIR WASHER DRAIN
3	261	3-261-OPN-03	01S/SWSC	3FD62	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	AIR WASHER DRAIN
3	261	3-261-OPN-03	01S/SWSC	3FD63	F-305	EQUIPMENT ROOM		5 DAYS A WEEK	No	FLOOR WASHING/COMPRESSOR DRAIN
3	261	3-261-OPN-03	01S/SWSC	3FD64	F-308	BANQUET ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	3FD65	F-308	BANQUET ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	3FD66	F-308	BANQUET ROOM		5 DAYS A WEEK	No	FLOOR WASHING/ICE MACHINE
3	261	3-261-OPN-03	01S/SWSC	3FD67	G-301	REST ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	3FD68	G-301	REST ROOM		5 DAYS A WEEK	No	FLOOR WASHING

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	261	3-261-OPN-03	01S/SWSC	3FD69	G-306	REST ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	3FD70	G-306	REST ROOM		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	3IM3	F-308	BANQUET ROOM		5 DAYS A WEEK	No	ICE MACHINE
3	261	3-261-OPN-03	01S/SWSC	3LV3	G-301	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	3LV4	G-301	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	3LV5	G-306	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	3LV6	G-306	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	3LV7	G-306	REST ROOM		5 DAYS A WEEK	No	LAVATORY
3	261	3-261-OPN-03	01S/SWSC	3SD16	G-305	JANITOR'S CLOSET		5 DAYS A WEEK	No	FLOOR WASHING
3	261	3-261-OPN-03	01S/SWSC	3SD17	F-308	BANQUET ROOM		5 DAYS A WEEK	No	GENERAL USE/FOOD PREP
3	261	3-261-OPN-03	01S/SWSC	3SH2	G-301	REST ROOM		5 DAYS A WEEK	No	SHOWER
3	261	3-261-OPN-03	01S/SWSC	3SH3	G-301	REST ROOM		5 DAYS A WEEK	No	SHOWER
3	261	3-261-OPN-03	01S/SWSC	3SH4	G-306	REST ROOM		5 DAYS A WEEK	No	SHOWER
3	261	3-261-OPN-03	01S/SWSC	3SH5	G-306	REST ROOM		5 DAYS A WEEK	No	SHOWER
3	261	3-261-OPN-03	01S/SWSC	3TL4	G-301	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	3TL5	G-301	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	3TL6	G-301	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	3TL7	G-306	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	3TL8	G-306	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	3TL9	G-306	REST ROOM		5 DAYS A WEEK	No	TOILET
3	261	3-261-OPN-03	01S/SWSC	3UR2	G-301	REST ROOM		5 DAYS A WEEK	No	URINAL
3	261	3-261-OPN-03	01S/SWSC	3UR3	G-301	REST ROOM		5 DAYS A WEEK	No	URINAL
3	261	3-261-OPN-03	01S/SWSC	3UR4	G-301	REST ROOM		5 DAYS A WEEK	No	URINAL
3	261	3-261-OPN-03	01S/SWSC	3WF2	G-300	HALLWAY		5 DAYS A WEEK	No	WATER FOUNTAIN
3	261	3-261-OPN-04	DAYLIGHT	RD37	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-04	DAYLIGHT	RD38	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-04	DAYLIGHT	RD39	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-04	DAYLIGHT	RD40	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-04	DAYLIGHT	RD41	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-04	DAYLIGHT	RD42	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-04	DAYLIGHT	RD43	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-04	DAYLIGHT	RD44	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-05	DAYLIGHT	N/A	N/A	STAIRWELL		ANNUAL TESTING	No	FIRE SYSTEM DRAIN

REPORT # 61

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	261	3-261-OPN-06	DAYLIGHT	N/A	N/A	2ND FLOOR SOUTH		ANNUAL TESTING	No	FIRE SYSTEM DRAIN
3	261	3-261-OPN-07	DAYLIGHT	2FD10	N/A	OUTSIDE STAIR DRAIN		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-08	DAYLIGHT	RD20	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-08	DAYLIGHT	RD21	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-08	DAYLIGHT	RD28	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-09	DAYLIGHT	2FD09	N/A	OUTSIDE STAIR DRAIN		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-10	DAYLIGHT	RD18	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-10	DAYLIGHT	RD19	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-10	DAYLIGHT	RD22	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-10	DAYLIGHT	RD23	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-10	DAYLIGHT	RD24	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-10	DAYLIGHT	RD25	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-10	DAYLIGHT	RD26	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-10	DAYLIGHT	RD27	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-11	DAYLIGHT	N/A	N/A	2ND FLOOR NORTH		ANNUAL TESTING	No	FIRE SYSTEM DRAIN
3	261	3-261-OPN-12	DAYLIGHT	RD01	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD02	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD03	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD04	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD05	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD06	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD07	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD08	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD09	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD10	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD11	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD12	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD13	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD14	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD15	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD16	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-12	DAYLIGHT	RD17	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-13	DAYLIGHT	N/A	N/A	STAIRWELL		ANNUAL TESTING	No	FIRE SYSTEM DRAIN

REPORT # 61

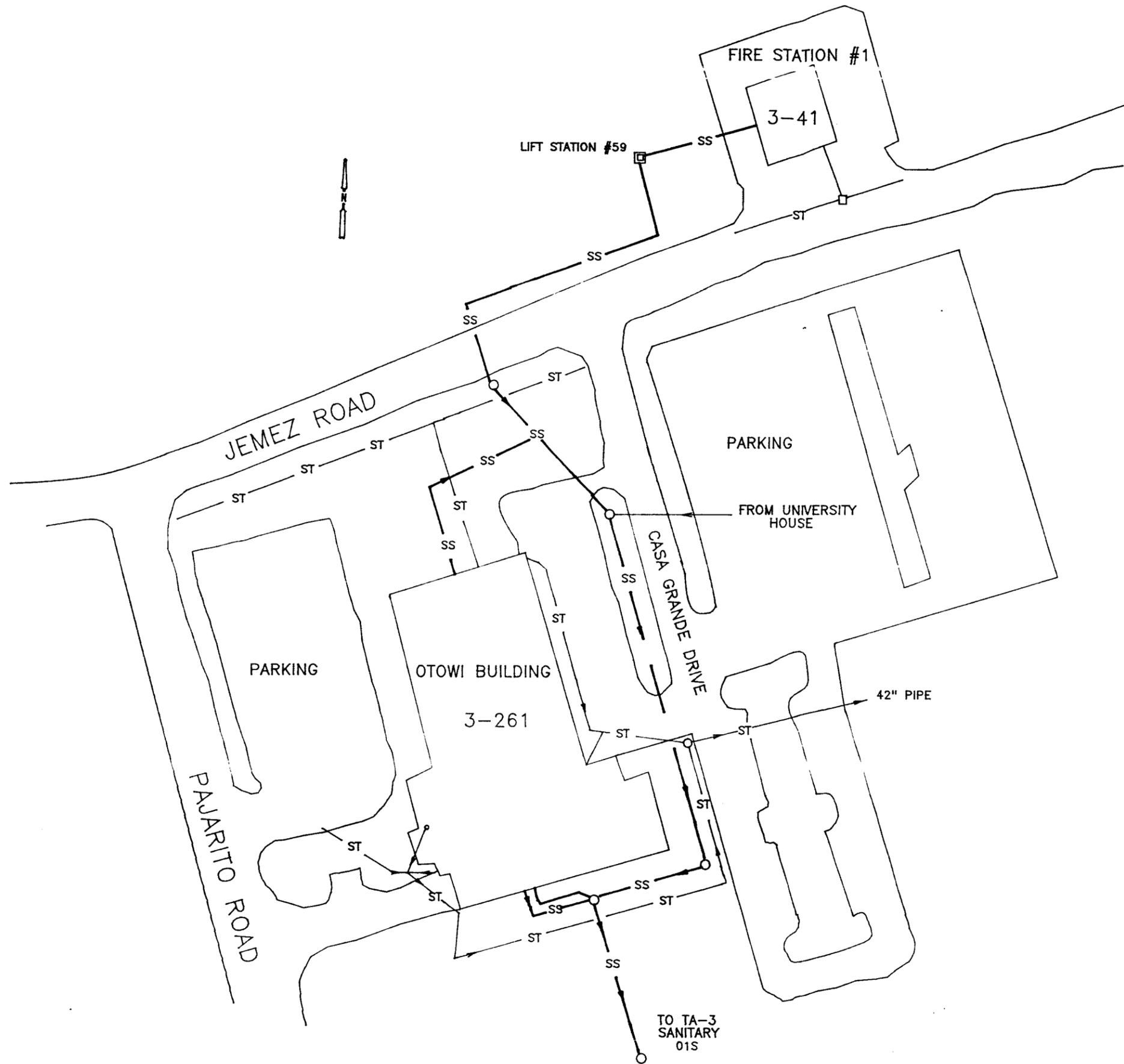
TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	261	3-261-OPN-14	DAYLIGHT	N/A	F-305	EQUIPMENT ROOM		ANNUAL TESTING	No	FIRE SYSTEM DRAIN
3	261	3-261-OPN-15	DAYLIGHT	N/A	F-305	EQUIPMENT ROOM		FLOW IS NIL	No	BOILER DRAIN
3	261	3-261-OPN-16	DAYLIGHT	N/A	F-305	EQUIPMENT ROOM		FLOW IS NIL	No	BOILER DRAIN
3	261	3-261-OPN-17	DAYLIGHT	3FD1	N/A	OUTSIDE STAIR DRAIN		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-18	DAYLIGHT	RD29	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-18	DAYLIGHT	RD30	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-18	DAYLIGHT	RD31	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-18	DAYLIGHT	RD32	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-18	DAYLIGHT	RD33	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-18	DAYLIGHT	RD34	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-18	DAYLIGHT	RD35	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-18	DAYLIGHT	RD36	N/A	ROOF		MOSTLY SUMMER	Yes	STORM WATER
3	261	3-261-OPN-19	DAYLIGHT	N/A	N/A	STAIRWELL		ANNUAL TESTING	No	FIRE SYSTEM DRAIN

**NO**

**EPA FORMS**

## DYE STUDY INFORMATION

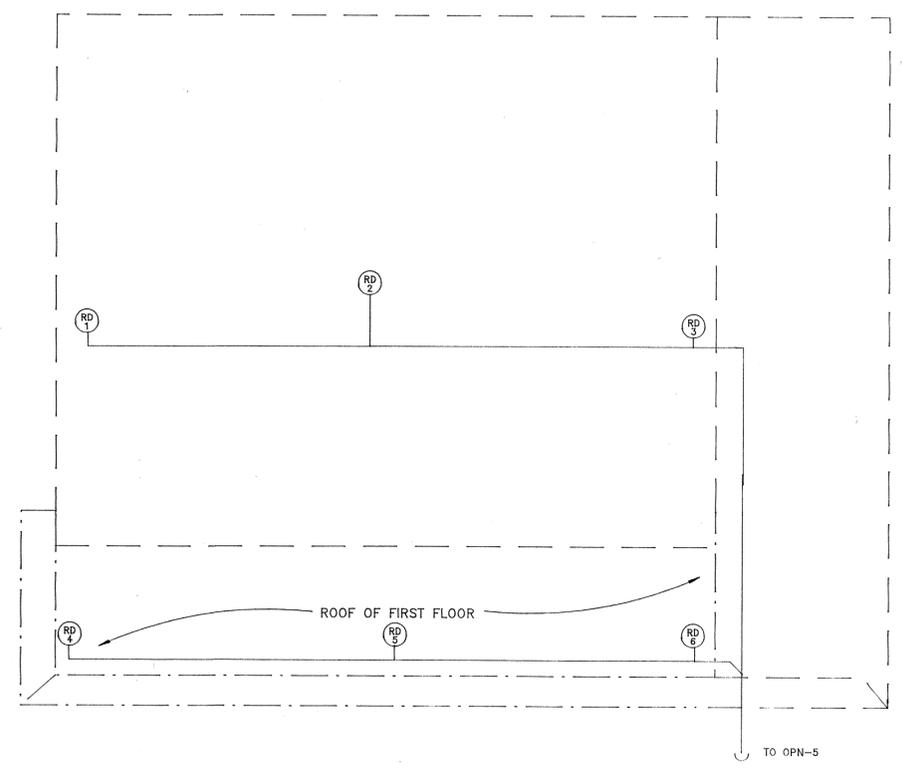
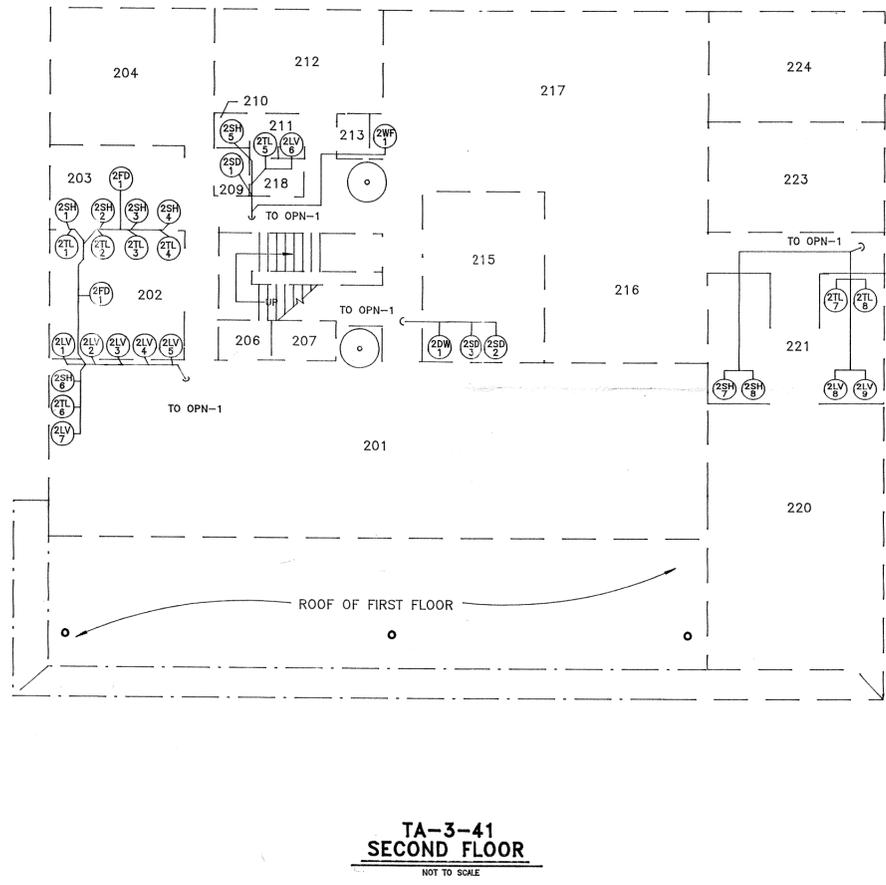
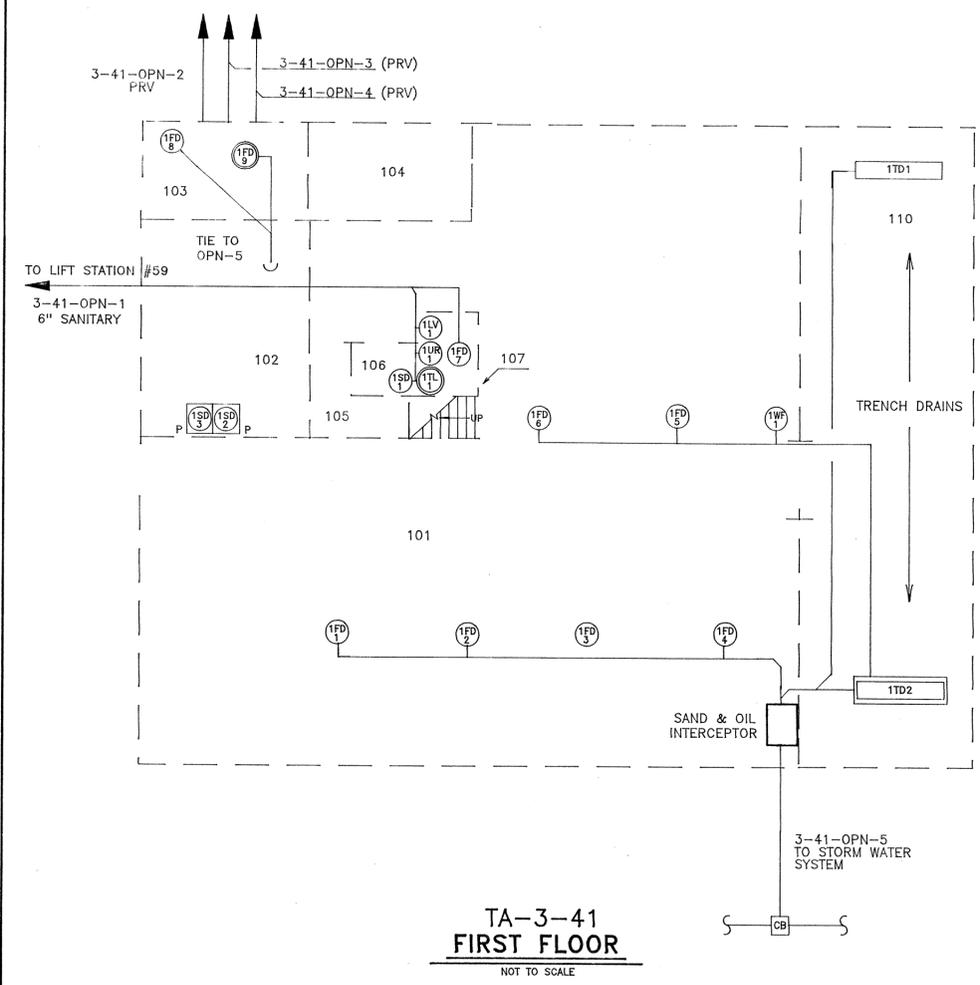
BUILDING NUMBER	DRAIN NUMBER	DID DYE REACH EXPECT	COMMENTS
3-41	1TL1	YES	NONE
3-41	1FD8	YES	NONE
3-41	1TD1	YES	NONE
3-261	1TL1	YES	NONE
3-261	1TL7	YES	NONE
3-261	2TL1	YES	NONE
3-261	2TL7	YES	NONE
3-261	3TL3	YES	NONE
3-261	3SD8	YES	NONE
3-261	3SD11	YES	NONE
3-261	3FD43	YES	NONE
3-261	3FD51	YES	NONE
3-261	3TL6	YES	NONE



**LEGEND**

- SS— SANITARY SEWER
- ST-ST- STORM SEWER
- MANHOLE
- LIFT STATION

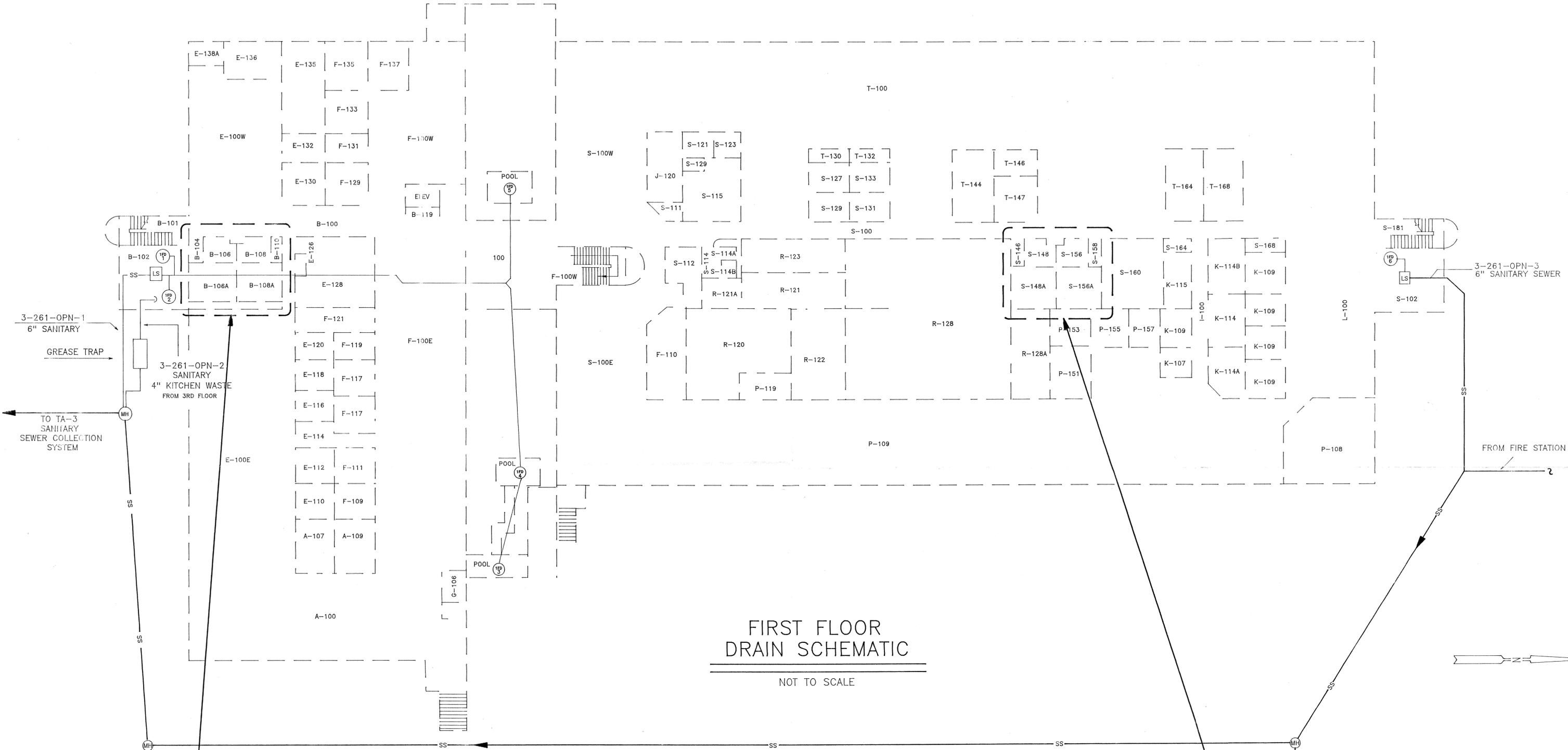
<b>SANTA FE ENGINEERING, LTD.</b>			
<b>TA-3-41 &amp; 261 AREA MAP</b>	DRAWN	SJV	
	DESIGN	SJV	
	CHECKED	PEB	
	RELEASED		
	DATE		
SUBMITTED	RECOMMENDED	APPROVED	
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION	REVIEWER	DATE	SHEET OF
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP	11056-61	FIGURE 1	



- LEGEND**
- CB - CATCH BASIN
  - DW - DISHWASHER
  - FD - FLOOR DRAIN
  - LV - LAVATORY
  - RD - ROOF DRAIN
  - SD - SINK DRAIN
  - SH - SHOWER
  - TD - TRENCH DRAIN
  - TL - TOILET
  - UR - URINAL
  - WF - WATER FOUNTAIN
  - ⊠ - PLUGGED DRAIN
  - ⊙ - DRAINS DYE TESTED

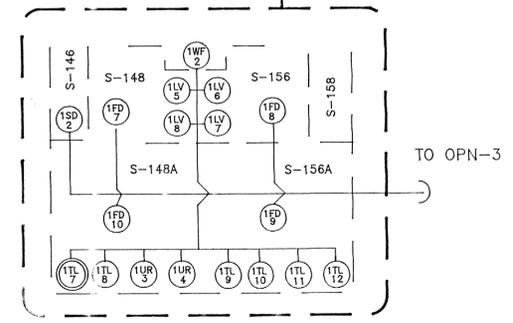
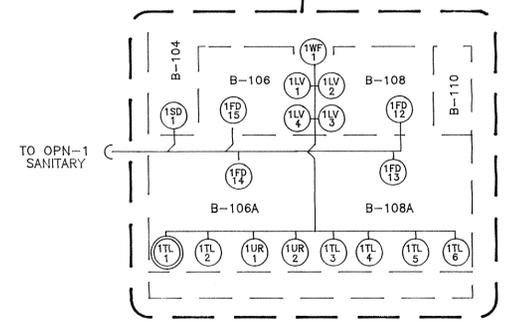
15294-A

SANTA FE ENGINEERING, LTD.			
TA-3-41 1ST, 2ND FLOORS AND ROOF PLAN DRAIN SCHEMATIC		DRAWN S.J.V.	DESIGN S.J.V.
		CHECKED P.E.B.	DATE 12/10/92
SUBMITTED	RECOMMENDED	APPROVED	
Los Alamos		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION	REVIEWER	DATE	SHEET OF
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-61	FIGURE 2	



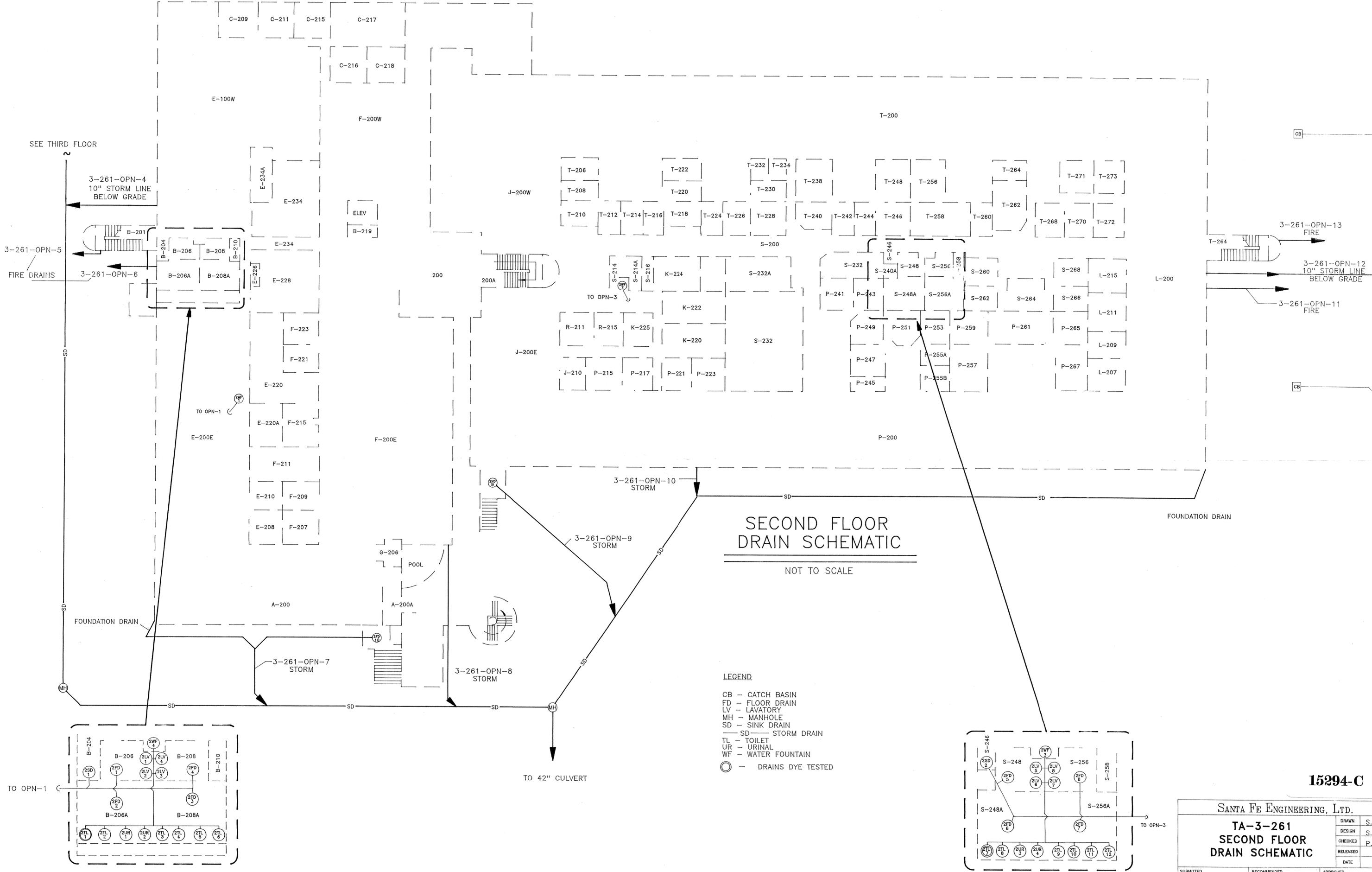
**FIRST FLOOR  
DRAIN SCHEMATIC**  
NOT TO SCALE

- LEGEND**
- FD - FLOOR DRAIN
  - LS - LIFT STATION
  - LV - LAVATORY
  - SD - SINK DRAIN
  - SS - SANITARY SEWER
  - TL - TOILET
  - UR - URINAL
  - WF - WATER FOUNTAIN
  - ⊙ - DRAINS DYE TESTED



**15294-B**

<b>SANTA FE ENGINEERING, LTD.</b>			
<b>TA-3-261 FIRST FLOOR DRAIN SCHEMATIC</b>			
DRAWN	S.J.V.	DESIGN	S.J.V.
CHECKED	P.E.B.	RELEASED	DATE
SUBMITTED	RECOMMENDED	APPROVED	
Los Alamos		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION	REVIEWER	DATE	SHEET
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	OF
REQUESTING GROUP EM-8	11056-61	FIGURE 3	REV.

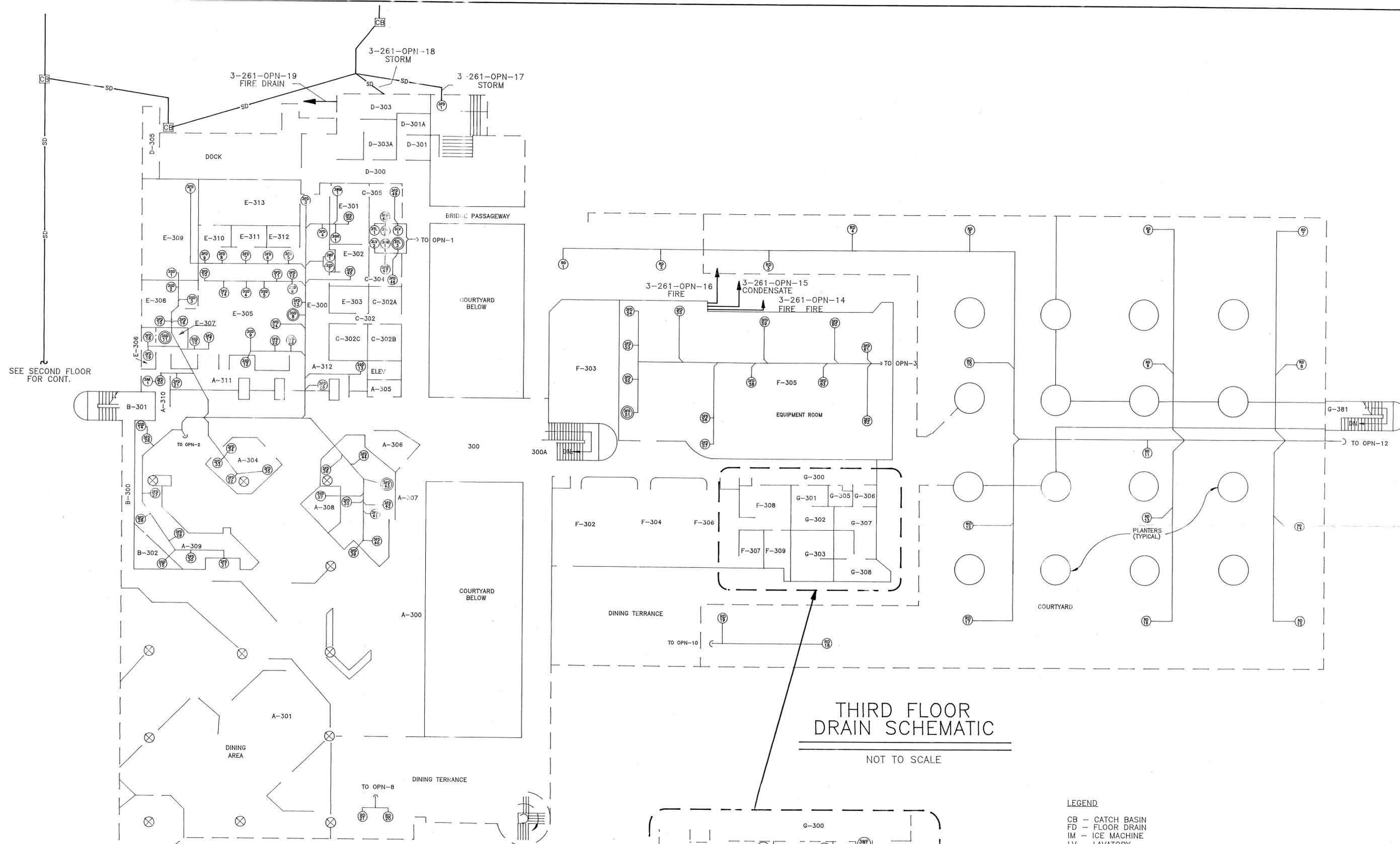


**SECOND FLOOR  
DRAIN SCHEMATIC**  
NOT TO SCALE

- LEGEND**
- CB - CATCH BASIN
  - FD - FLOOR DRAIN
  - LV - LAVATORY
  - MH - MANHOLE
  - SD - SINK DRAIN
  - SD - STORM DRAIN
  - TL - TOILET
  - UR - URINAL
  - WF - WATER FOUNTAIN
  - ⊙ - DRAINS DYE TESTED

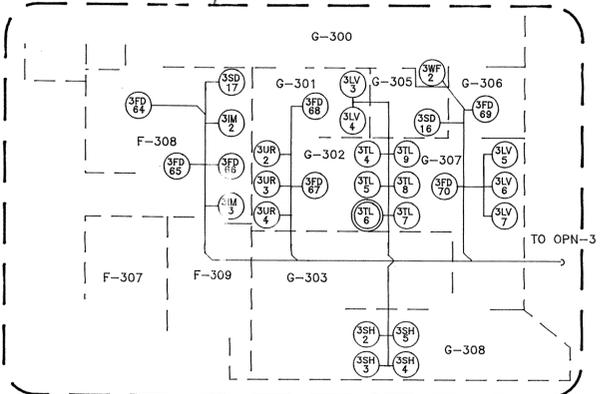
**15294-C**

SANTA FE ENGINEERING, LTD.		DRAWN	S.J.V.
<b>TA-3-261</b>		DESIGN	S.J.V.
<b>SECOND FLOOR</b>		CHECKED	P.E.B.
<b>DRAIN SCHEMATIC</b>		RELEASED	
		DATE	
SUBMITTED	RECOMMENDED	APPROVED	
Los Alamos		Los Alamos National Laboratory	SHEET
		Los Alamos, New Mexico 87545	OF
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP	11056-61	FIGURE 1	

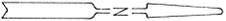


**THIRD FLOOR  
DRAIN SCHEMATIC**

NOT TO SCALE

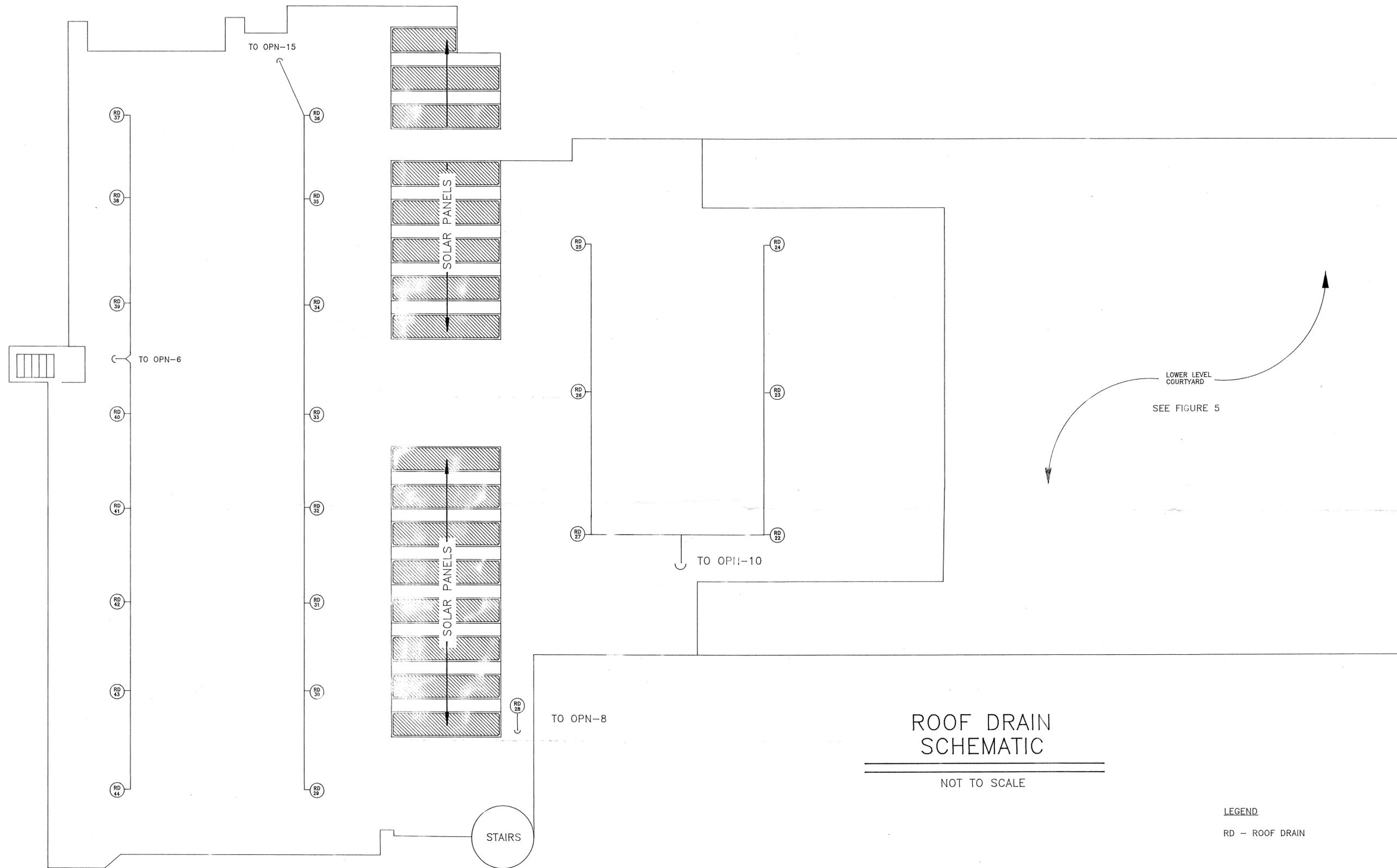


- LEGEND**
- CB - CATCH BASIN
  - FD - FLOOR DRAIN
  - IM - ICE MACHINE
  - LV - LAVATORY
  - MH - MANHOLE
  - RD - ROOF DRAIN
  - SD - SINK DRAIN
  - SD - STORM DRAIN
  - SH - SHOWER
  - TL - TOILET
  - UR - URINAL
  - WF - WATER FOUNTAIN
  - WM - WASHING MACHINE
  - ⊙ - DRAINS DYE TESTED



<b>SANTA FE ENGINEERING, LTD.</b>			
<b>TA-3-261</b>		DRAWN	S.J.V.
<b>3RD FLOOR AND ROOF</b>		DESIGN	S.J.V.
<b>DRAIN SCHEMATIC</b>		CHECKED	P.E.B.
		RELEASED	
		DATE	
SUBMITTED	RECOMMENDED	APPROVED	
<b>Los Alamos</b>		Los Alamos National Laboratory	SHEET
		Los Alamos, New Mexico 87545	OF
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP	11056-61	FIGURE 5	

15294-D

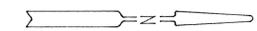


# ROOF DRAIN SCHEMATIC

NOT TO SCALE

### LEGEND

RD - ROOF DRAIN



SANTA FE ENGINEERING, LTD.			
TA-3-261 UPPER ROOF DRAIN SCHEMATIC		DRAWN S.J.V.	DESIGN S.J.V.
		CHECKED P.E.B.	RELEASED
		DATE	
SUBMITTED	RECOMMENDED	APPROVED	
Los Alamos		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION	REVIEWER	DATE	SHEET OF
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-61	FIGURE 6	

15294-E