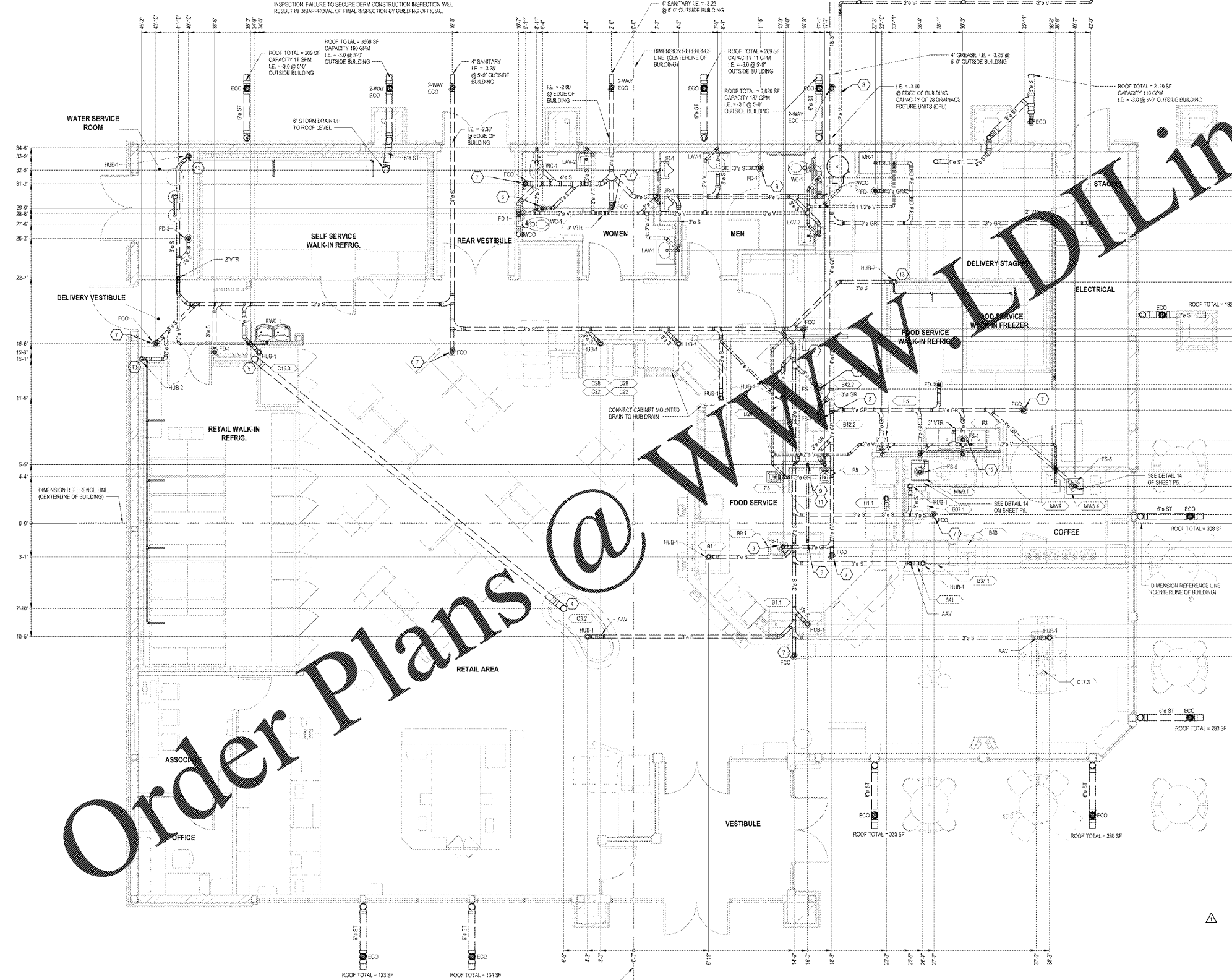


FOG 2.0 RER-DEM GRAVITY FOG CONTROL DEVICE (G-FOC)		
REQUIRED INFORMATION	TANK #1	TANK #2
CAPACITY (GALLONS)	1250	750
DOH APPROVAL NO. (1)	01-132-140-C4	01-132-115-C4
PRECAST CONCRETE PLANT NAME	LINDSAY	LINDSAY
FOOT APPROVED PRECAST CONCRETE PLANT CERTIFYING AGENCY (E.G. C.C.I. PC/NCA)	NPCA	NPCA
COATING OR LINER TYPE APPLIED BY MANUFACTURER FOR TANK MATERIALS REQUIRING PROTECTION AT FWS	CONSEAL CS-1800	CONSEAL CS-1800
INTERCEPTOR MONITORING ALARM MODEL NO.	N/A	N/A
INTERCEPTOR MONITORING DEVICE MODEL NO.	N/A	N/A

GREASE INTERCEPTORS SHALL BE DESIGNED AND BUILT TO RESIST A pH OF 3. PROVIDE SEALANT BEFORE THE INSTALLATION OF BOTH GREASE INTERCEPTORS IN THE FIELD. PLUMBING CONTRACTOR SHALL PROVIDE ONE COAT OF CONCRETE SEALANTS, INC. CONSEAL CS-1800 SOLVENT FREE WATERPROOFING MEMBRANE OVER BASE PRIMER COAT OF CONCRETE SEALANTS, INC. COMBLOCK SH ON ALL EXPOSED CONCRETE GREASE INTERCEPTOR SURFACES APPLY PER MANUFACTURER'S INSTRUCTIONS TO MAINTAIN pH ENVIRONMENT BETWEEN 3 AND 10. ALL COATINGS ARE FOR WASTEWATER IMMERSION AND ARE APPROVED FOR WASTEWATER MET. KILLS PUMP STATIONS, MANHOLE, AND CORROSION/ACID PROTECTION.

PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO COMPLETE ALL DERM CONSTRUCTION INSPECTION REQUIREMENTS PRIOR TO PLUMBING FINAL INSPECTION. FAILURE TO SECURE DERM CONSTRUCTION INSPECTION WILL RESULT IN DISAPPROVAL OF FINAL INSPECTION BY BUILDING OFFICIAL.



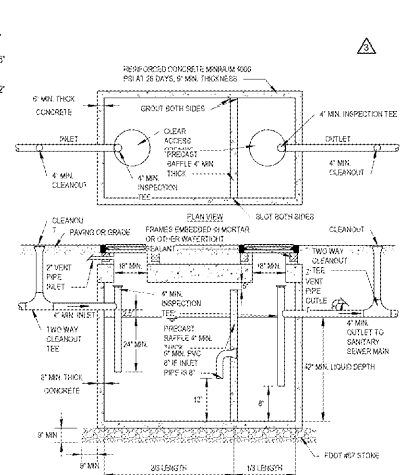
- ### PLUMBING KEYNOTES
- 2" COPPER PIPING FITTINGS TO ADAPT TO UNIT AND EXTEND TO THE FLOOR DRAIN.
 - MAKE THE FIRST 10' OF GREASE PIPING FROM FLOOR SINN AT THE B12.2 REHEAT/REHEATIZER EXTRA HEAVY CAST IRON INSTEAD OF PVC.
 - MAKE THE FIRST 10' OF GREASE PIPING FROM FLOOR SINN AT THE B8.1 HOT FOOD TABLE EXTRA HEAVY CAST IRON INSTEAD OF PVC.
 - 4" SCHEDULE 40 ELECTRICAL PVC W/ LONG SWEEP ELBOWS SHALL BE USED FOR REFRIGERANT LINE CHASE. STUB UP 2" A.F.F. BY PLUMBING CONTRACTOR.
 - 4" SCHEDULE 40 ELECTRICAL PVC W/ LONG SWEEP ELBOWS SHALL BE USED FOR REFRIGERANT LINE CHASE. STUB UP 12" - 6" A.F.F. BY PLUMBING CONTRACTOR.
 - FLOOR DRAIN GRATE TO BE SET FLUSH WITH TOP OF CONCRETE AND SET UNDER PARTITIONS.
 - FLOOR CLEANOUT TOP TO BE SET FLUSH WITH TOP OF FINISH FLOOR. SEE DEPT. 10.
 - 2" VENT TO BE CONNECTED WITH GREASE INTERCEPTOR AT THE INLET AND OUTLET.
 - 1-1/2" PVC BELOW FLOOR FOR 12" MIN. ABOVE F.F.1.
 - MAKE FIRST 10' DOWNSTREAM OF SPRING FROM FLOOR SINN AT THE BAZZ (BREAD OVEN) EXTRA HEAVY CAST IRON INSTEAD OF PVC.
 - RUN IN WALL, TEST, AND COVER OVER CEILING.
 - EACH MULTI-COMPARTMENT SINK SHALL BE CONNECTED INDEPENDENTLY TO AN INGRESS WASTE RECEPTOR WITH AN AIR GAP.
 - ROUTE CONDENSATE FROM ALL SINKS TO HUB DRAIN.
 - PER MFC 24-42 (5)(b) SHOW LOCATIONS AND DETAILS FOR ALL STORED WASTE, INCLUDING YELLOW AND BROWN GREASE. SHALL BE SHOWN AND LABELED. STORAGE AREAS SHALL BE DESIGNED TO PREVENT THE RELEASE OF FOG TO GROUND, GROUNDWATER, SURFACE WATER, OR AIR. STORAGE CONTAINERS SHALL BE IDENTIFIED BY WASTE TYPE AND CAPACITY IN GALLONS AND SIZED TO PREVENT OVERFILLING. ALL STORAGE CONTAINERS SHALL HAVE A LID THAT PREVENTS RAINWATER INFLOW AND THAT CAN BE LIFTED TO PREVENT WINDLIFT.
 - PER MFC 24-42 (6)(b) FOG CONTROL DEVICE MODEL NUMBERS AND THIRD PARTY CERTIFICATIONS SHALL BE SHOWN AND LABELED DURING AND AFTER INSTALLATION. ADDITIONALLY, THE FOG CONTROL DEVICE SHALL BE ACCESSIBLE AT ALL TIMES SO AS TO ALLOW FOR MAINTENANCE AND CLEANING WITHOUT IMPEDIMENTS.

ROOF DRAINAGE NOTE:
PROVIDE ROOF DRAIN (RD-1, TYPICAL OF 5) AND ROOF DRAIN OUTLET PIPE. ROUTE PIPE TO DOWNSPOUT AND INTO DOWNSPOUT. SEE SHEET P3 FOR ROOF DRAIN PLAN DRAINS AND DETAILS ON SHEET AS1 FOR ROOF DRAIN AND PIPING INSTALLATION.

SAFETY SHEET NOTE:
3.2" I.E. 4" 5'-0" OUTSIDE BUILDING IS A COMMON ELEVATION FOR REFERENCE. COORDINATE ACTUAL ELEVATIONS WITH SITE CONTRACTOR WITH REGARD TO SITE SANITARY MAIN INVERT.

GREASE INTERCEPTOR PUMP-OUT FREQUENCY NOTE:
THE MINIMUM INTERVAL BETWEEN GREASE INTERCEPTOR PUMP-OUTS IS 30 DAYS. THE MAXIMUM INTERVAL BETWEEN PUMP-OUTS IS 90 DAYS.

GREASE INTERCEPTOR CAPACITY CALCULATION	
PEAK FLOW RATE (Q_{peak}) CALCULATION:	
DRAINAGE FIXTURE UNITS (DFU) ON GREASE PIPING = 28 DFU	
MANHOLE'S FORMULA FLOW RATE = 51.5 GPM	
MAX. DFU IN PIPE FOR 4" DIA. & 1/8" SLOPE = 160 DFU	
$Q_{peak} = [28 \text{ DFU}] [51.5 \text{ GPM}] / 160 \text{ DFU} = 9.0 \text{ GPM}$	
PER MFC 24-42 (6)(b) MINIMUM GPM FOR 4" PIPE = 50 GPM	
$Q_{peak} = 50 \text{ GPM}$	
FLORIDA BUILDING CODE CALCULATION:	
$V = Q_{peak} \times 30 \text{ MIN}$	
$V = 50 \text{ GPM} \times 30 \text{ MIN} = 1500 \text{ GALLONS}$	
VOLUME BASED ON PEAK FLOW RATE CALCULATION:	
$Q_{peak} = 50 \text{ GPM}$	
POF = 1.25 (FOR A 90 DAY PUMP OUT FREQUENCY)	
$V = Q_{peak} \times 30 \text{ MIN} \times \text{POF}$	
$V = 50 \text{ GPM} \times 30 \text{ MIN} \times 1.25 = 1875 \text{ GALLONS}$	
VOLUME BASED ON FLORIDA ADMIN. CODE 64E-6:	
S = 24 SEATS	
MR = 24 WRS	
CS = 10 GALLONS (SINGLE SERVICE ARTICLE RESTAURANT)	
RF = 0.75 (OTHER ROADS)	
WF = 0.75 (NO WARE WASHER)	
M = 200 MEALS SERVED PER DAY	
GM = 5 GALLONS PER MEAL	
POF = 1.25 (FOR A 90 DAY PUMP OUT FREQUENCY)	
$V = [S \times (MR) \times (CS) \times (RF)] + [M \times (GM) \times (WF)] \times \text{POF}$	
$V = [24 \text{ SEATS} \times (24 \text{ WRS}) \times (10 \text{ GAL}) \times (0.75)] + [200 \text{ MEALS} \times (5 \text{ GAL}) \times (0.75)] \times 1.25$	
$V = 1788 \text{ GALLONS}$	
1875 GALLONS WILL BE USED AS THE GREASE INTERCEPTOR CAPACITY. 1750 GALLON AND 750 GALLON USE AS: INTERCEPTORS SHALL BE INSTALLED IN SERIES.	



- REVISIONS:
- | No. | Description | Date |
|-----|-------------|------------|
| 1 | PERMITS | 08/03/2018 |
| 2 | PERMITS | 10/07/2018 |
| 3 | PERMITS | 11/29/2018 |
| 4 | PERMITS | 01/07/2019 |
| 5 | PERMITS | 03/05/2019 |
| 6 | PERMITS | 05/06/2019 |
- NOT TO SCALE

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280 WEST BALTIMORE PIKE
WAWA, PENNSYLVANIA 19063

PROJECT NAME
WAWA F85FB 2019.01 STORE #5357-DOR
NW 87TH AVE. & NW 33RD ST.
DORAL, FLORIDA

SHEET TITLE
WASTE PIPING PLAN

Revision	Schedule	Date
1	PERMITS	08/03/2018
2	PERMITS	10/07/2018
3	PERMITS	11/29/2018
4	PERMITS	01/07/2019
5	PERMITS	03/05/2019
6	PERMITS	05/06/2019

PROJECT NO.
217108

DATE
08/03/2018

DESIGNER
WAWA

CHECKED
JLD

P1