Gwinnett
Planning &
Development

Gwinnett Fire Plan Review

Wet Chemical Fire Suppression System

Business Name: _____

Address: _____ Bldg/Suite #: _____

City: _____ Zip Code: _____

COMFIRE#: _____

Fire Protection Company: _____

Contact Person: _____

Phone Number: _____

Email: _____

System Model: _____

All information shall be included on plans. Fill out top and bottom. Include any additional conditions or comments on attached sheet.

Plan Review:

Yes	No	N/A	
☐	☐	☐	Plans and Pipe Layout
☐	☐	☐	Elevation View (front/side)
☐	☐	☐	Component Specifications
☐	☐	☐	Agent Flow Calculations

System Requirements:

Hazard Protection

Yes ☐ No ☐ N/A ☐ Deep Fat Fryer
- Surface Width _____
- Surface Length _____
- Drip Pan Length _____
- Nozzle Type _____
- Nozzle Flows _____
- Nozzle Number _____
- Total Hazard Nozzle Flows _____

Yes ☐ No ☐ N/A ☐ Griddle
- Surface Width _____
- Surface Length _____
- Nozzle Type _____
- Nozzle Flows _____
- Nozzle Number _____
- Total Hazard Nozzle Flows _____

Yes ☐ No ☐ N/A ☐ Range
- Surface Width _____
- Surface length _____
- Nozzle Type _____
- Nozzle Flows _____
- Nozzle Number _____
- Total Hazard Nozzle Flows _____

Yes ☐ No ☐ N/A ☐ Charbroiler (Natural, Class A)
- Surface Width _____
- Surface Length _____
- Nozzle Type _____
- Nozzle Flows _____
- Nozzle Number _____
- Total Hazard Nozzle Flows _____

Yes ☐ No ■ N/A ☐ Upright Broiler
- Surface Width _____
- Surface Length _____
- Rack/top of Broiler Ht. _____
- Drip Pan/Rack Ht. _____
- Nozzle Type _____
- Nozzle Flows _____
- Nozzle Number _____
- Total Hazard Nozzle Flows _____

Yes ☐ No ☐ N/A ☐ Chain Broiler (Closed Top)
- Surface Width _____
- Surface Length _____
- Rack/top of Broiler Ht. _____
- Drip Pan/Rack Ht. _____
- Nozzle Type _____
- Nozzle Flows _____
- Nozzle Number _____
- Total Hazard Nozzle Flows _____

Yes ☐ No ☐ N/A ☐ Radiant Charbroiler
- Surface Width _____
- Surface Length _____
- Nozzle Type _____
- Nozzle Flows _____
- Nozzle Number _____

Total Hazard Nozzle Flows _____

Yes ☐ No ☐ N/A ☐ Range Charbroiler (Synthetic Rock)
- Surface Width _____
- Surface Length _____
- Nozzle Type _____
- Nozzle Flows _____
- Nozzle Number _____

Total Hazard Nozzle Flows _____

Yes ☐ No ☐ N/A ☐ Chain Broiler (Open Top)
- Surface Width _____
- Surface Length _____
- Rack/top of Broiler Ht. _____
- Drip Pan/Rack Ht. _____
- Nozzle Type _____
- Nozzle Flows _____
- Nozzle Number _____

Total Hazard Nozzle Flows _____

Yes ☐ No ☐ N/A ☐ Wok
- Surface Diameter _____
- Depth _____
- Nozzle Type _____
- Nozzle Flows _____
- Nozzle Number _____

Total Hazard Nozzle Flows _____

Exhaust System Protection

Yes ☐ No ☐ N/A ☐ Duct
- Duct Length _____
- Duct Width _____
- Duct Diameter _____
- Nozzle Flows _____
- Nozzle Number _____

Total Hazard Nozzle Flows _____

Yes ☐ No ☐ N/A ☐ Plenum
- Plenum Length _____
- Plenum Width _____
- Duct Diameter _____
- Nozzle Flows _____
- Nozzle Number _____

Total Hazard Nozzle Flows _____

Design Parameters

Yes ☐ No ☐ N/A ☐ Number of Flow Points _____

Yes ☐ No ☐ N/A ☐ Number of Cylinder (Flows/Cylinder) _____

Yes ☐ No ☐ N/A ☐ Flow Point Balance _____

Special Equipment

Yes ☐ No ☐ N/A ☐ Fire Alarm Interconnection

Yes ☐ No ☐ N/A ☐ Non-Standard Application
- Max. Temp. _____ ° F
- Min. Temp. _____ ° F

Yes ☐ No ☐ N/A ☐ Exhaust Fan Shutdown

Yes ☐ No ☐ N/A ☐ Fire Extinguisher
- Rating _____
- Placement _____

System Components

Yes ☐ No ☐ N/A ☐ Piping
- Type _____
- Length of Main supply _____
- Length of Branch Supply _____
- Trees/Ells _____

Yes ☐ No ☐ N/A ☐ Cylinder Location
- ☐ Outside Hazard Area
- ☐ Piping Limitations

Linear
- _____ Ft. Max.
- _____ Ft. Min.

Equivalent
- _____ Ft. Max.
- _____ Ft. Min.

Yes ☐ No ☐ N/A ☐ Control Head
- ☐ Mechanical
- ☐ Electrical (Model: _____)
- ☐ Fuel Power Supply Shut-Off
- ☐ Solenoid/Valve Location

Yes ☐ No ☐ N/A ☐ Detector
- ☐ Mechanical
  - Temp _____ ° F
- ☐ Electrical
  - Temp _____ ° F
- Placement _____
- Mounting _____

Yes ☐ No ☐ N/A ☐ Fuel Service
- Pipe Size _____

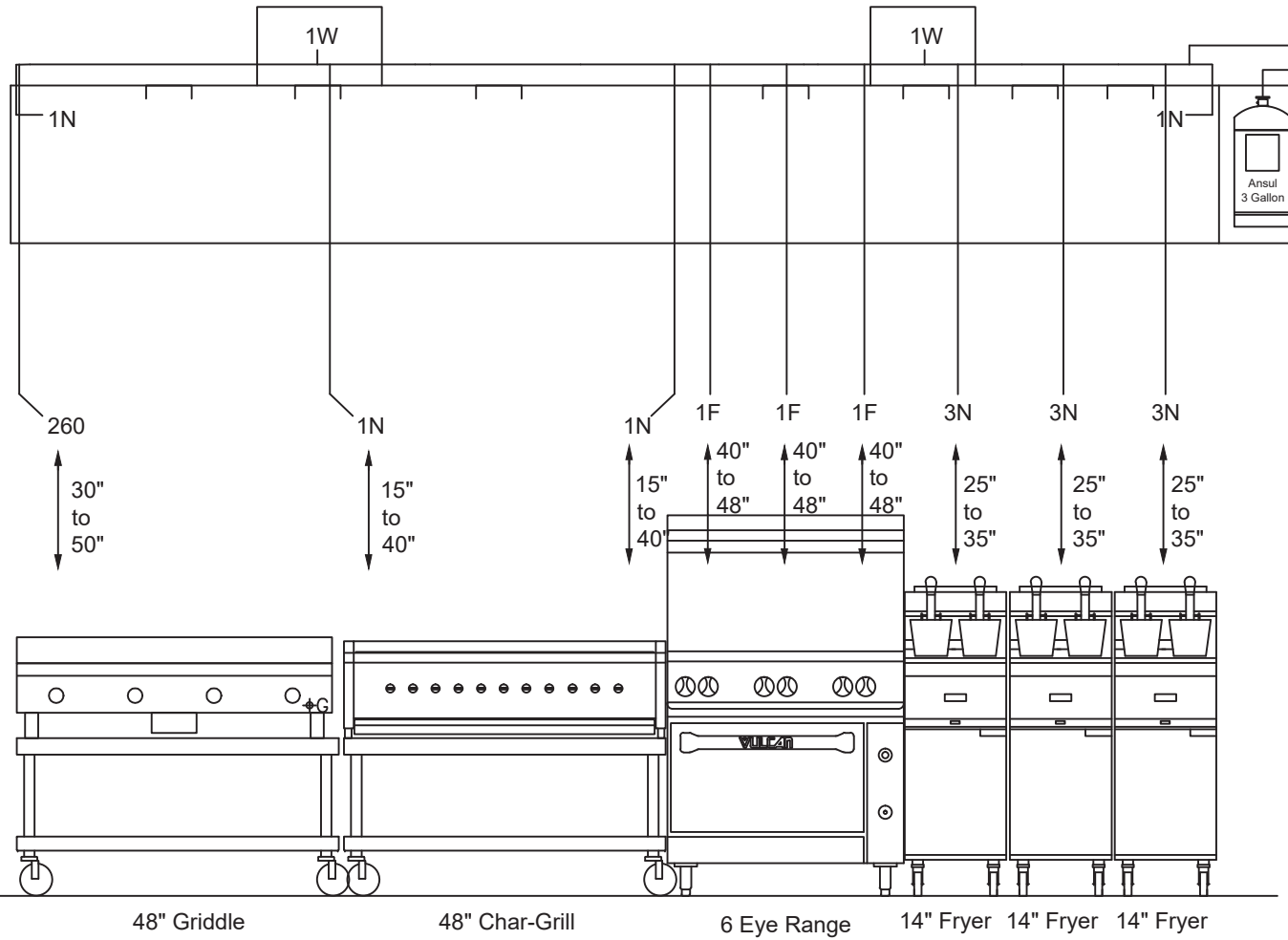
Yes	No	N/A	
☐	☐	☐	Remote Pull Station
			☐ Mechanical
			☐ Electrical
			☐ Placement (Exit)
			☐ Mounting Height
			☐ Operating Instructions Posting

Additional Comments: _____

This worksheet shall be used in conjunction with the National Fire Protection Association (NFPA 10, 17, and 96), International Fire Code, and referenced standards. Conditions not specifically covered by this worksheet shall comply with nationally recognized standards or guidelines as approved by the Gwinnett County Fire Plan Review

EXAMPLE SUPPRESSION PLANS AND PIPE LAYOUT

15ft11in Hood with (2)16" Diam Duct



Fuel and Electric power shut-off shall comply with NFPA 96, 2017 edition and section 10.4

Manual activation shall comply with NFPA 96, 2017 edition and section 10.5

Manual Pull Station

Proposed automatic fire suppression system shall comply with the following adopted codes:

- *NFPA 17A, 2013 Edition*
- *NFPA 96, 2017 Edition and Chapter 10*
- *Chapter 120-3-3, 2020 Amendments, Rules and Regulations of the Safety Fire Commissioner*
- *UL-300*
- *Manufacturer's Specifications*

Hood and duct work to be submitted separately by others to the AHJ for review and approval.

LINE LEGEND

LINK BRACKET

PIPE 3/8"