

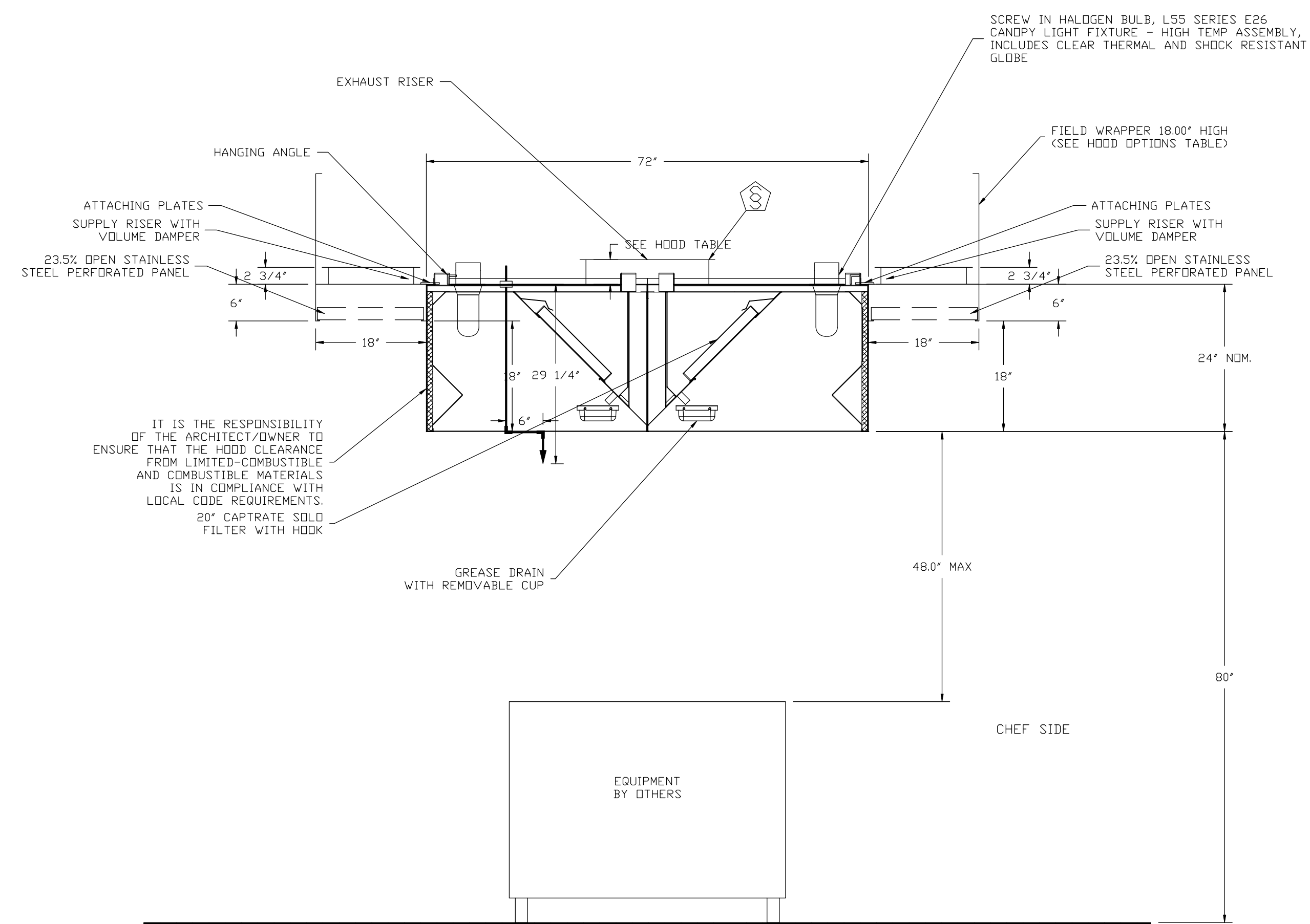
Reviewed For Code Compliance By:
D. Banks Wallace
Chief Deputy Fire Marshal
06/20/2019 9:10:24 AM

- NOTES**
- FIELD PIPE DROPS AS SHOWN
 - SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY GAS
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
 - MAXIMUM 9 ELBOWS IN SUPPLY LINE.
 - MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.
 - IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
 - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
 - THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS

Job #: 3120610
 Job Name: Campbell University_R6-FC
 Drawn By:
 System Size: ANSUL-3.0/3.0 Total FP required: 12
 Hood # 1 11' 0.00" Long x 72" Wide x 24" High
 Riser # 1 Size: 20" Dia.
 Riser # 2 Size: 20" Dia.
 Hood # 1 Metal Blow-Off Caps included.

LEGEND - WALL MOUNTED ANSUL SYSTEM

- 1A 15 GALLON TANK
- 1B 3.0 GALLON TANK
- 2 AUTOMAN RELEASE
- 3 3 GALLON TANK ENCLOSURE
- 3A 6 GALLON TANK ENCLOSURE REGULATED ACTUATOR
- 4 ANSULEX LIQUID AGENT (3 GAL.)
- 6 ANSULEX LIQUID AGENT (1.5 GAL.)
- 7 CARTRIDGE (101-20)
- 8 CARTRIDGE (101-10)
- 9 CARTRIDGE (101-30)
- 9A CARTRIDGE (LT-A 101-30)
- 9B DOUBLE TANK CARTRIDGE
- 10 TEST LINK
- 11 DOUBLE MICROSWITCH
- 12V DUCT NOZZLE (419337)
- 1W NOZZLE ASSEMBLY (419336)
- 1F NOZZLE ASSEMBLY (419333)
- 1N NOZZLE ASSEMBLY (419335)
- 1/2N NOZZLE ASSEMBLY (419334)
- 3N NOZZLE ASSEMBLY (419338)
- 245 NOZZLE ASSEMBLY (419340)
- 230 NOZZLE ASSEMBLY (419339)
- 2120 NOZZLE ASSEMBLY (419343)
- 290 NOZZLE ASSEMBLY (419342)
- 260 NOZZLE ASSEMBLY (419341)
- 28 DETECTOR BRACKET
- 25 LOW TEMP FUSIBLE LINK
- 30 HIGH TEMP FUSIBLE LINK
- MGV MECHANICAL GAS VALVE
- EGV ELECTRICAL GAS VALVE
- 34 REMOTE MANUAL PULL STATION
- S SWIVEL ADAPTOR



SECTION VIEW - MODEL 7224NDI-PSP-FB
 HOOD - #1

DUCT NOZZLE AND
 PLENUM SPRAY BAR LOCATION

REVISIONS

| DESCRIPTION | DATE |
|-------------|------|
| | |
| | |
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| | |

www.captivefire.com
 Pittsburgh Foodservice
 507 Duncan Ct, Cranberry Township, PA, 15066 PHONE: (724) 776-7501 FAX: (724) 776-7522 EMAIL: reg83@captivefire.com

Campbell University_R6-FC
 450 Leslie Campbell Ave,
 BUIES CREEK, NC, 27506

DATE: 6/29/2018
DWG.#: 3120610
DRAWN BY: Reg83-BAS
SCALE: 3/4" = 1'-0"
MASTER DRAWING

CORE TOTAL FLOOD PROTECTION PLUMBING DETAIL

| ITEM | CONNECTION | TEMPERATURE | PLUMBING CONTRACTOR REQUIREMENT | | COMMENTS |
|--|--------------------|--------------|---------------------------------|-----------|--|
| | | | PRESSURE | FLOW RATE | |
| HOT WATER LINE | 2 INCH NPT | 140 to 170°F | 34 PSI TO 70 PSI | 21.06 GPM | INSULATE HOT WATER PIPE, MINIMUM PRESSURE DEPENDENT ON LENGTH AND CONFIGURATION OF HOOD SYSTEM |
| HOOD DRAINS | 1-1/2 INCH NPT | N/A | GRAVITY DRAIN | SEE ABOVE | 2 DRAINS ON 24 INCH TALL HOODS WITH 20 INCH TALL FILTERS AND HOODS 10 FEET AND LONGER |
| END-TO-END CORE CONNECTION | VARIABLES | N/A | N/A | N/A | CONNECT WITH NPT PIPE, SEAL ALL THREADS, HOOD CONNECTION PROVIDED |
| BACK-TO-BACK CORE CONNECTION | VARIABLES | N/A | N/A | N/A | CONNECT WITH NPT PIPE, SEAL ALL THREADS, HOOD CONNECTION PROVIDED |
| GAS VALVE | VARIABLES | N/A | SEE TABLE | N/A | UP TO 2 INCHES NPT WITH 24V CONTROLS, 2-1/2" AND 3 INCH USE 120V CONTROL |
| FLOOR DRAINS | 1-1/2 INCH | N/A | GRAVITY DRAIN | N/A | USED TO HELP CLEAN UP FIRE SYSTEM DISCHARGE, GREASE INTERCEPTOR MAY BE REQUIRED |
| BACKFLOW PREVENTER DRAIN LINE (OPTIONAL) | INLET/OUTLET DRAIN | N/A | VARIABLES | N/A | INSTALLED WHEN PACKAGE HAS A BACKFLOW PREVENTER VALVE, SEE BACKFLOW PREVENTER VALVE MANUAL FOR DETAILS |

| CORE APPLIANCE PIPING WATER FLOW SUMMARY | | | |
|--|-------------------------|-------------------------|---------------------|
| Pipe Diameter | Minimum Flow Rate (GPM) | Maximum Flow Rate (GPM) | Pressure Drop (PSI) |
| Field Piping (Between All Hood Groups) | 2 | 53.0 | 0.00 |
| Hood Internal Piping | 0.75 | 53.0 | 4.0 |

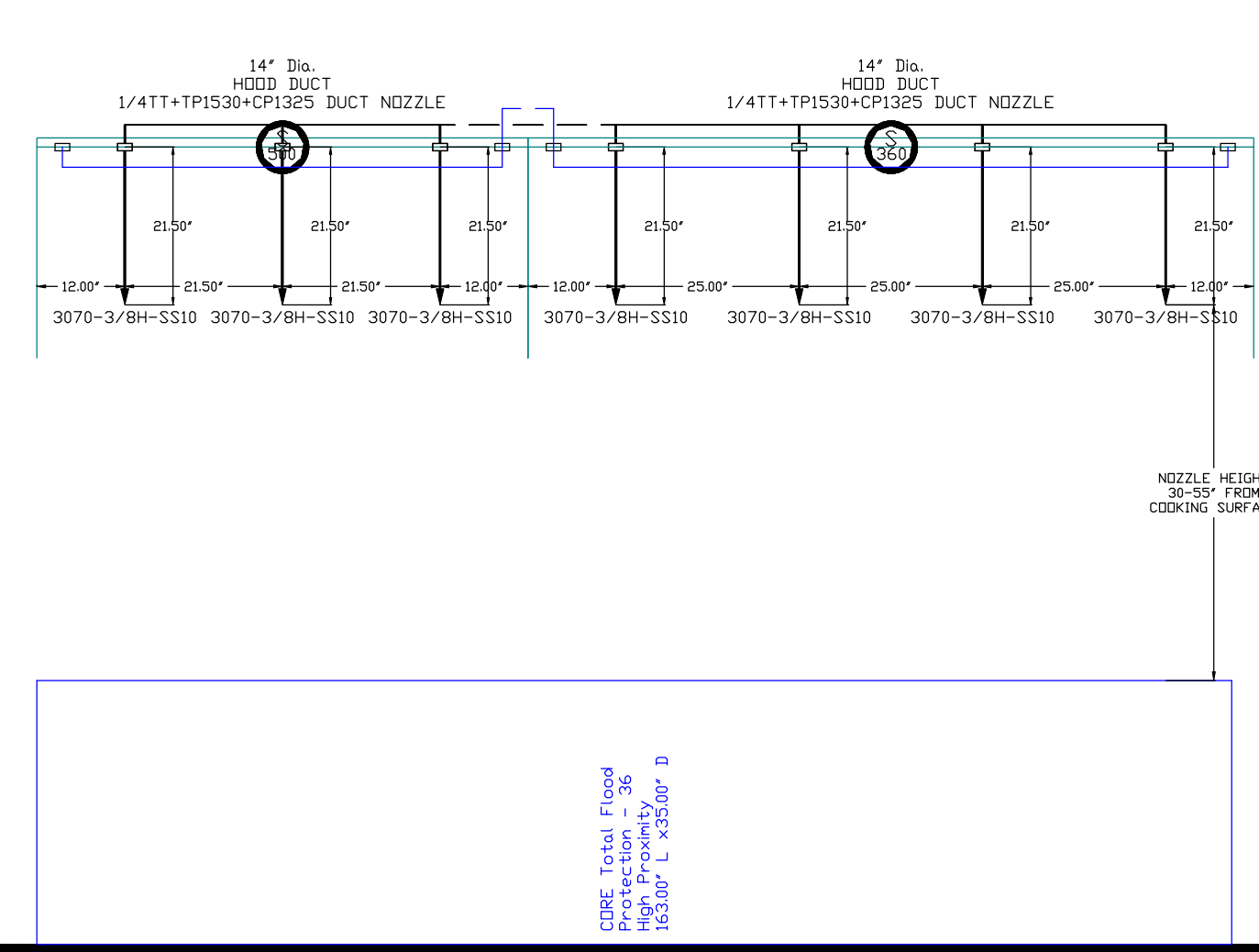
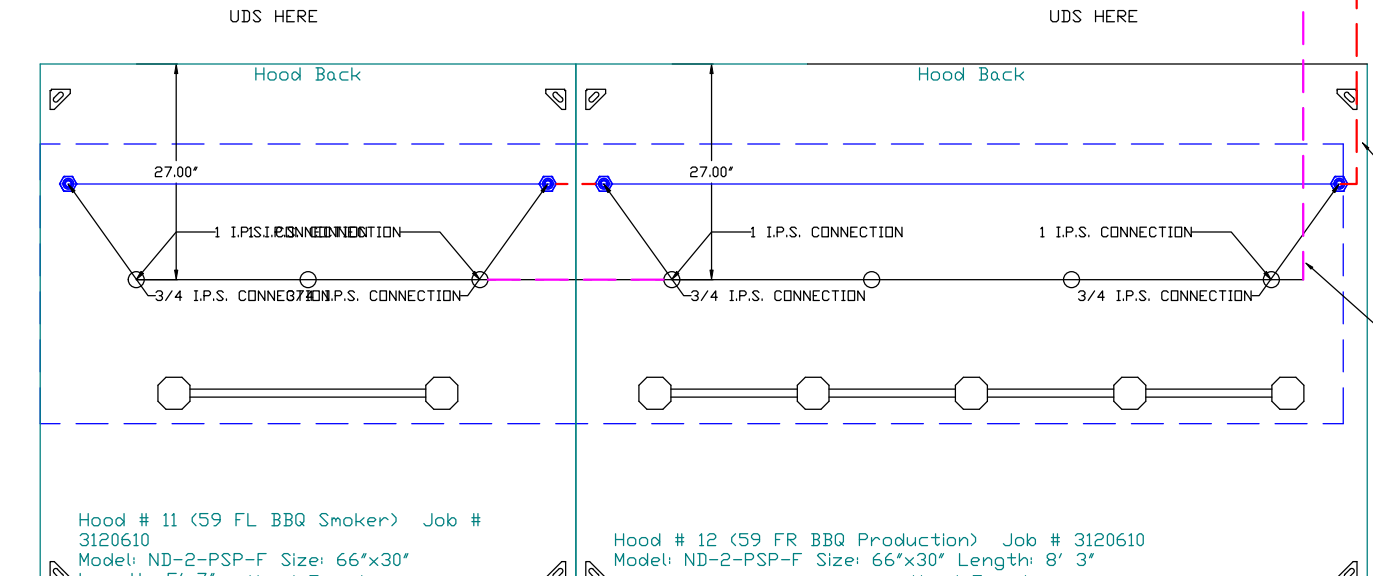
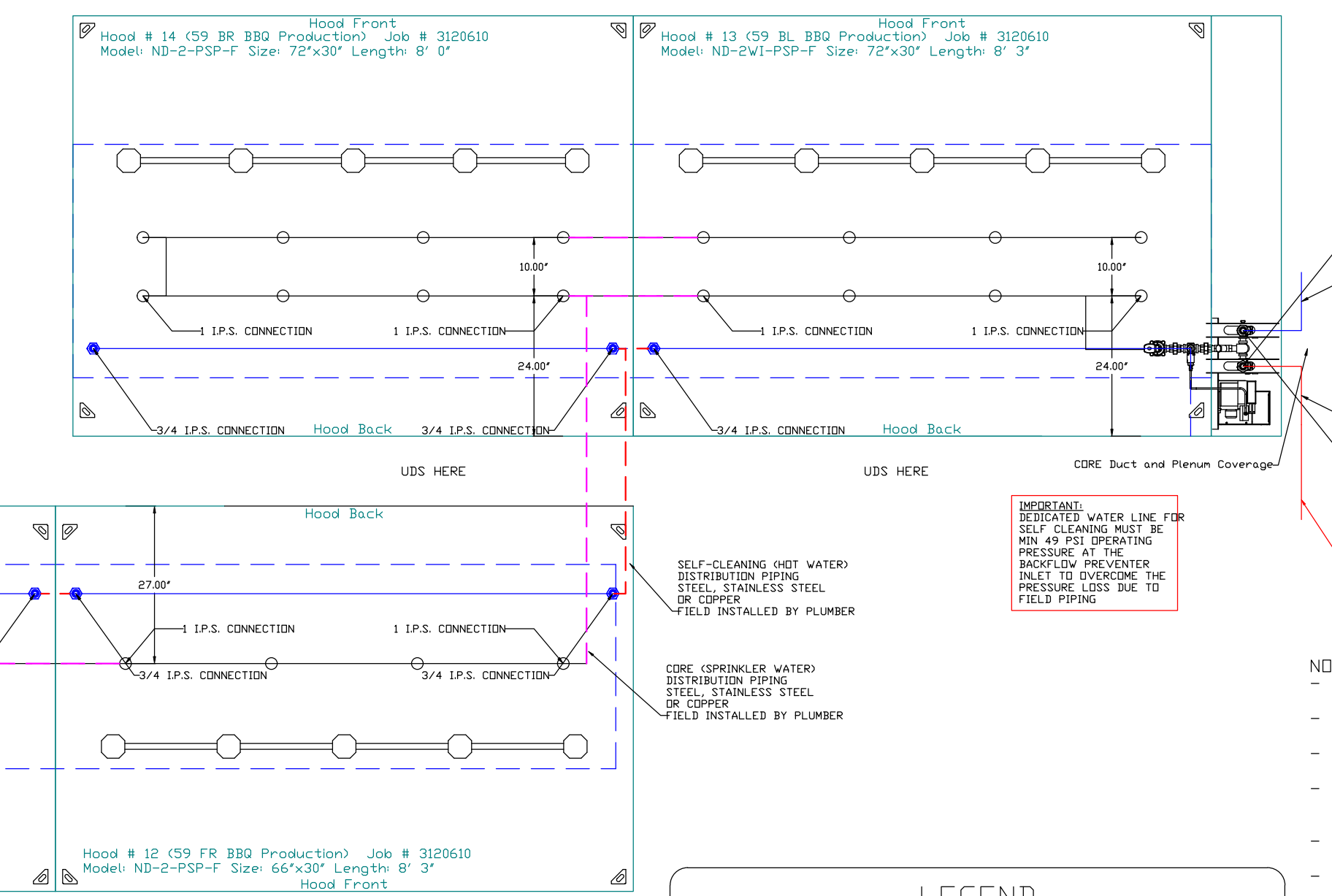
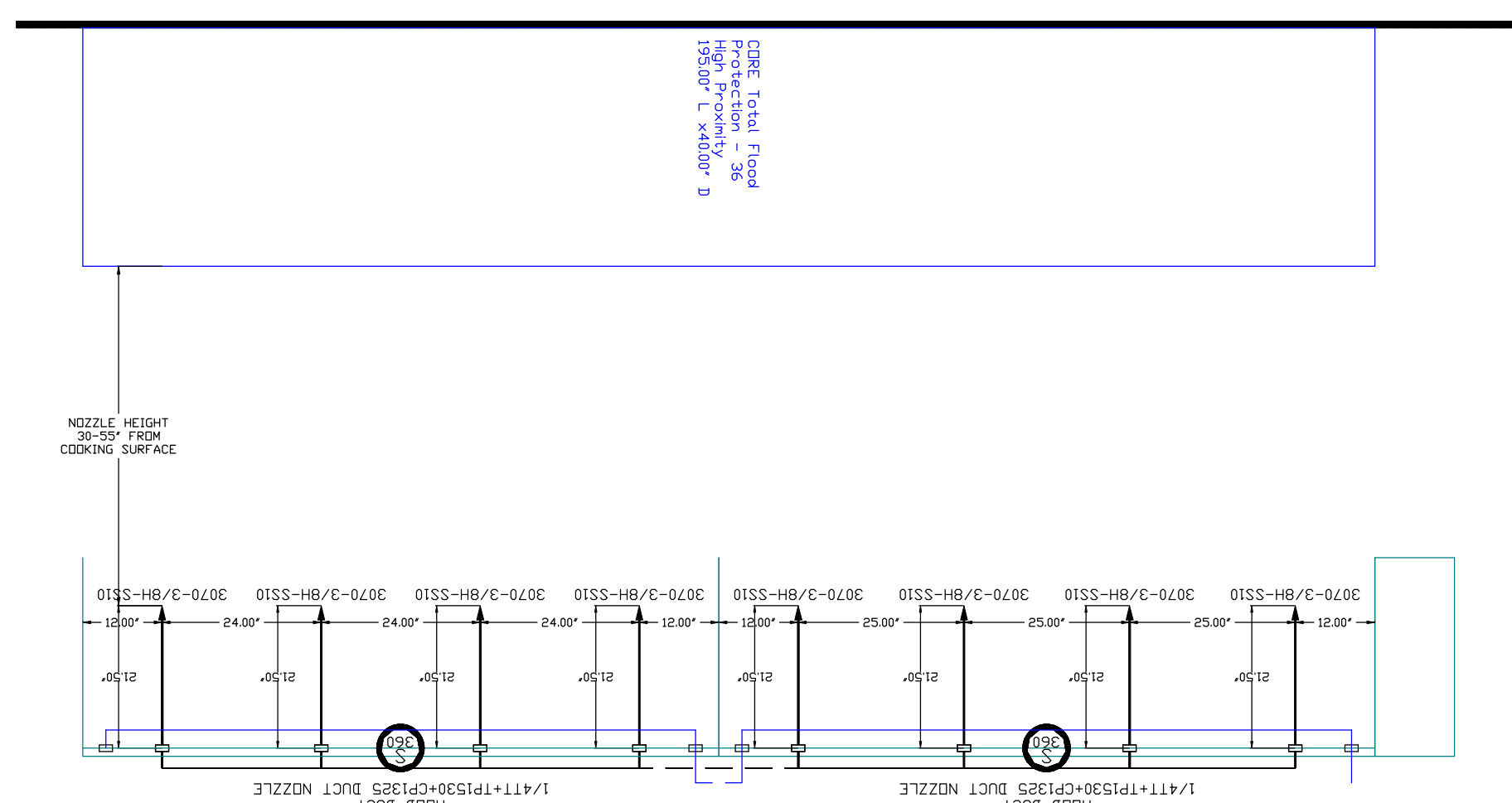
| SELF-CLEANING WATER FLOW SUMMARY | | | |
|--|-------------------------|-------------------------|---------------------|
| Pipe Diameter | Minimum Flow Rate (GPM) | Maximum Flow Rate (GPM) | Pressure Drop (PSI) |
| Field Piping (Between All Hood Groups) | 2 | 21.0 | 0 |
| Hood Internal Piping | 0.75 | 21.0 | 3.4 |
| Backflow Preventer | 2" | 21.0 | 15 |

| TOTAL SYSTEM INLET REQUIREMENTS | | | |
|--|------------------------|------------------------|-------|
| Minimum Flow Rate (GPM) | Minimum Pressure (PSI) | Maximum Pressure (PSI) | Notes |
| Total Core Inlet Requirements | 53.0 | 48.8 | |
| Total Self-Cleaning Inlet Requirements | 21.0 | 4.9 | |

* Backflow pressure range at CORE Panel Gauge is 48.8 to 70 PSI. Minimum Static Pressure is 35 PSI

* Backflow pressure range at Backflow Preventer is 49 to 70 PSI. Minimum Static Pressure is 35 PSI

* Hot Water Temperature Range for Self-Cleaning 140-170°F.



| LEGEND | |
|-----------------|-----------|
| FACTORY PIPING: | ————— |
| FIELD PIPING: | - - - - - |

PLUMBING CONTRACTOR SIGNOFF:

FIELD RESIDUAL PRESSURE: ___ PSI
 FIELD STATIC PRESSURE: ___ PSI
 GREASE INTERCEPTOR CAPACITY: ___ GPM

WATER SUPPLY REQUIREMENTS HAVE BEEN CONFIRMED

SIGNATURE: _____
 Your Title: _____ Date: _____

- PLUMBING TRADE RESPONSIBILITIES**
- CONNECT HOT WATER LINE TO CORE PANEL.
 - CONNECT HOOD DRAINS TO GREASE INTERCEPTOR. SEE DRAWING DETAILS FOR CONNECTION SIZES AND FLOWRATES.
 - INSTALL FLOOR DRAINS.
 - INSTALL GAS VALVE (PROVIDED BY CAPTIVEAIRE).
 - INSTALL BACKFLOW PREVENTER (IF REQUIRED). REFER TO MANUAL FOR DRAIN REQUIREMENTS.
 - CONNECT ALL END TO END AND BACK TO BACK WATER LINE CONNECTIONS-SEE MANUAL FOR INSTRUCTIONS.

DRAIN PIPING (BY PLUMBER)

NOTE TO PLUMBER: IF HOOD DRAINS ARE TO BE COMBINED TOGETHER, VERIFY PROPER MANIFOLD SIZE (SEE CHART)

GREASE INTERCEPTOR CALC

HOODS DRAIN TO GREASE INTERCEPTOR. SIZE GREASE INTERCEPTOR FOR 21.0 GPM

NOTES

- FIELD PIPE DROPS AS SHOWN
- ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
- RELocate NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVEING, SALAMANDERS, ETC.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6' ABOVE THE TOP OF THE HOOD.
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
- THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS
- CORE / Self-Cleaning (United States) - US Patent 7963282 B2
- CORE / Self-Cleaning (Europe) - EP Patent 2274069 A1
- CORE Supervision - US Patent 6378834 B1
- CORE Electrical - US Patent 6610601 B2
- Job #: 3120610
- Job Name: Campbell University_R6-F6
- Drawn By: _____
- System Size: CORE
- Hood # 11 5' 7.00" Long x 66" Wide x 30" High
- Riser # 1 Size: 14" Dia
- Hood # 12 Metal Blow-Off Caps included.
- Hood # 8' 3.00" Long x 66" Wide x 20" High
- Riser # 1 Size: 14" Dia
- Hood # 12 Metal Blow-Off Caps included.
- Hood # 13 8' 3.00" Long x 72" Wide x 30" High
- Riser # 1 Size: 16" Dia
- Hood # 13 Metal Blow-Off Caps included.
- Hood # 14 8' 0.00" Long x 72" Wide x 30" High
- Riser # 1 Size: 16" Dia
- Hood # 14 Metal Blow-Off Caps included.

ELECTRIC GAS VALVES ONLY

3/4" THROUGH 2" VALVES CAN BE MOUNTED WITH THE SOLENOID IN ANY POSITION ABOVE HORIZONTAL

2-1/2" THROUGH 3" VALVES MUST BE MOUNTED WITH THE SOLENOID VERTICAL AND UPRIGHT

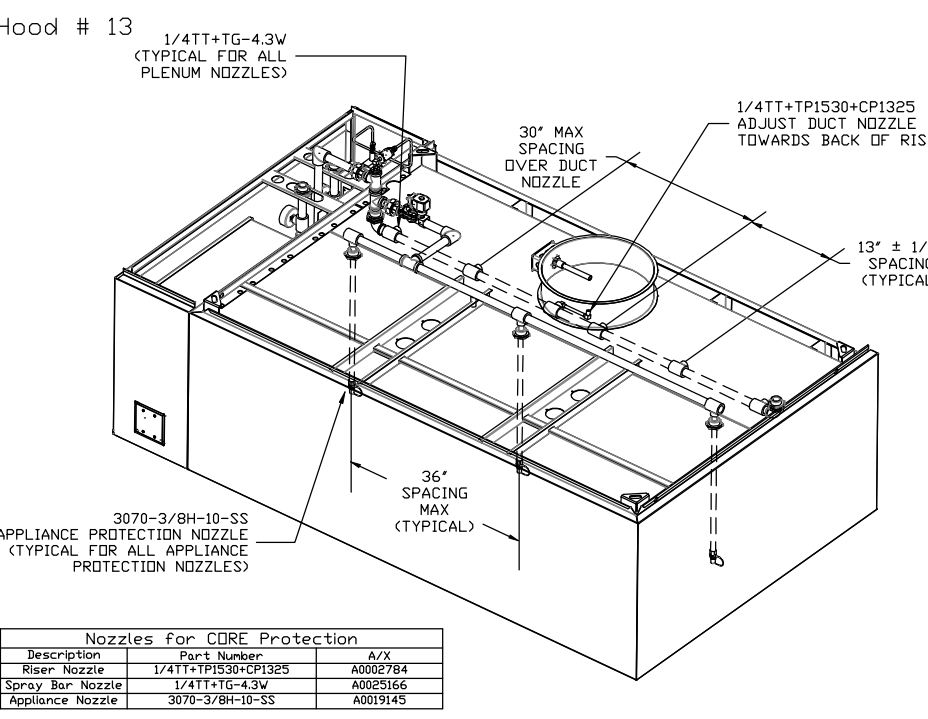
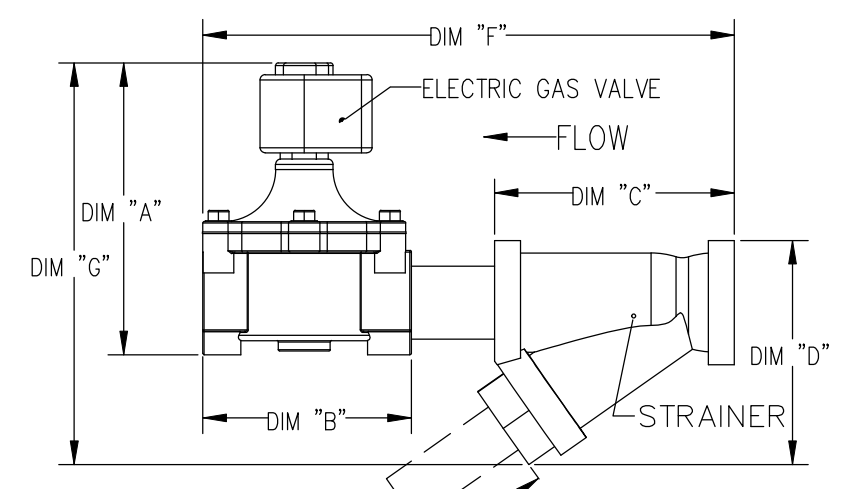
ALL GAS VALVES/STRAINERS

PROPER CLEARANCE MUST BE PROVIDED IN ORDER TO SERVICE THE STRAINERS A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER CUSTOMER MUST VERIFY BTU CONSUMPTION AS WELL AS PRESSURE RATING SPECIFIC GRAVITY OF NATURAL GAS = 0.64, SPECIFIC GRAVITY OF LP = 1.52

CALCULATIONS

TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP
 NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP^{0.85}

TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY
 NEW BTU/HR = (BTU/HR AT 0.64) X 0.64 / NEW SPECIFIC GRAVITY^{0.85}

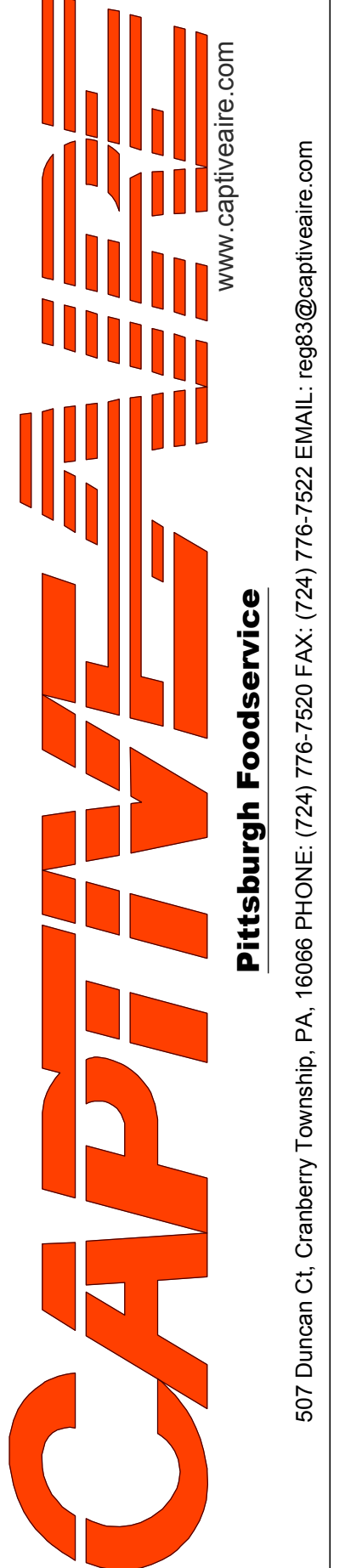


ISOMETRIC VIEWS ARE FOR GRAPHICAL REPRESENTATION OF TYPICAL NOZZLE PLACEMENTS AND TYPE, QUANTITIES OF NOZZLES WILL VARY.

CORE INSTALLATION GREASE HOOD PLUMBING

NOTE - SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

| REVISIONS | |
|-------------|------|
| DESCRIPTION | DATE |
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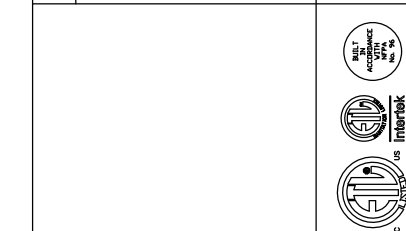


Campbell University_R6-F6
 450 Leslie Campbell Ave,
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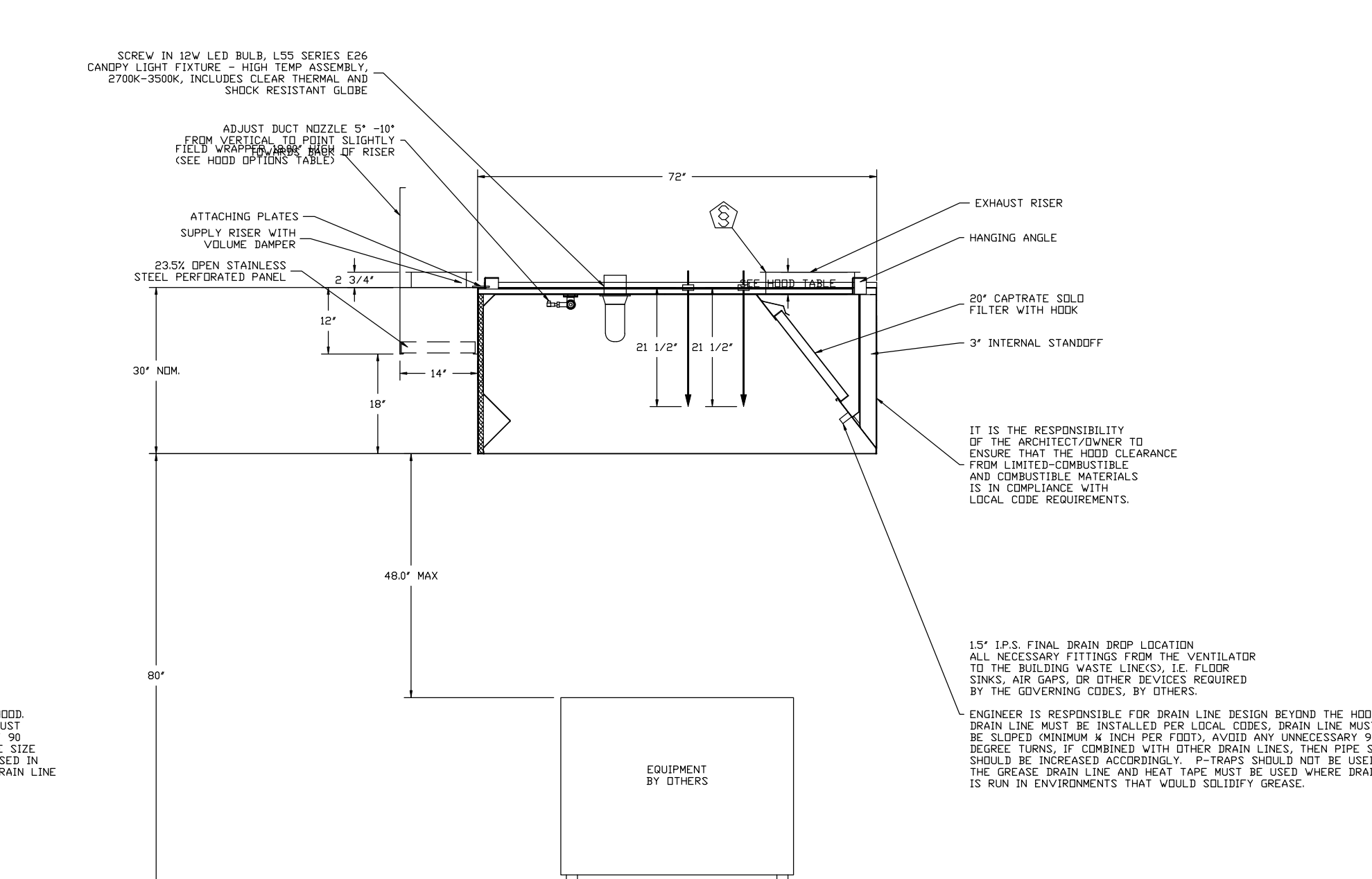
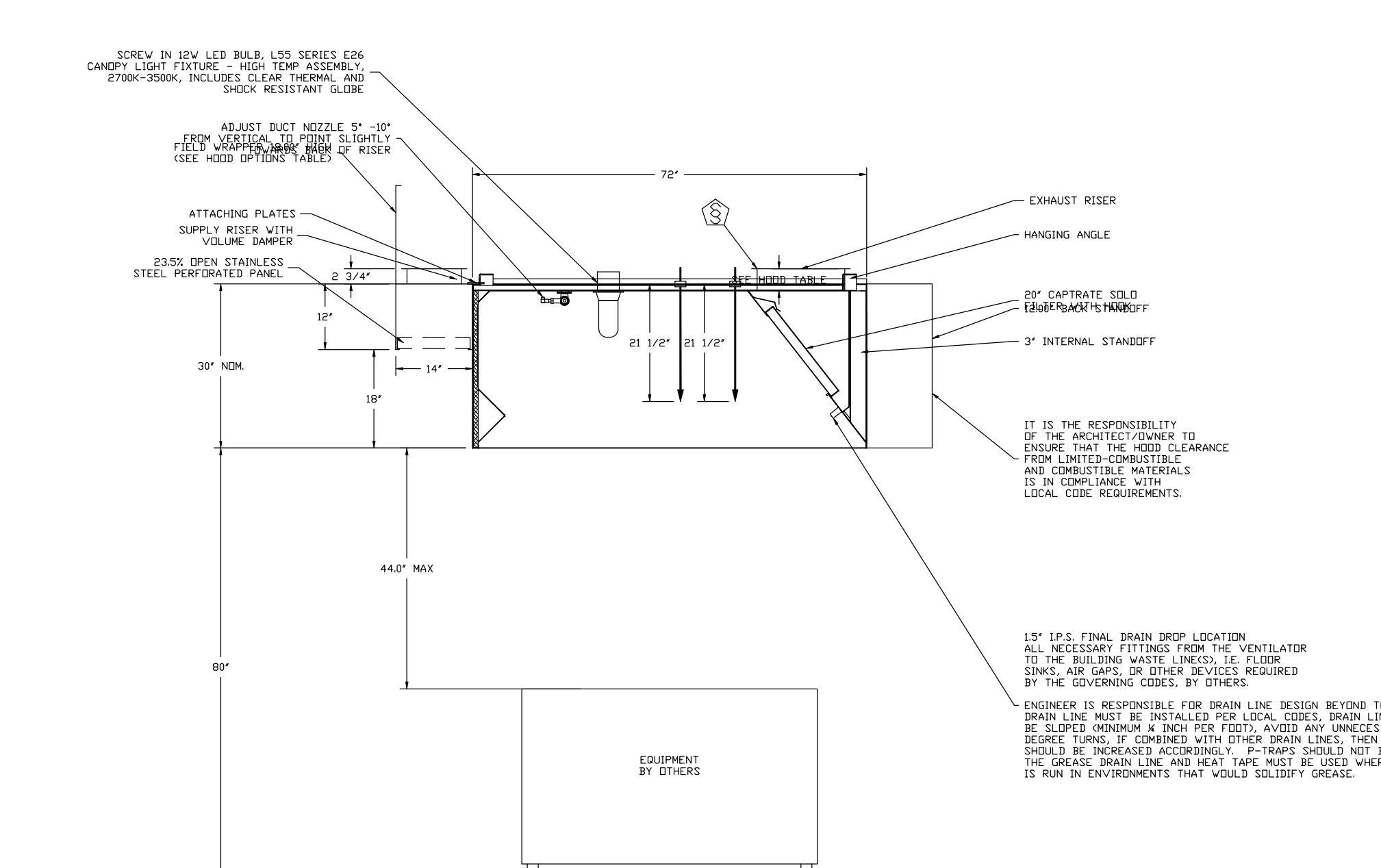
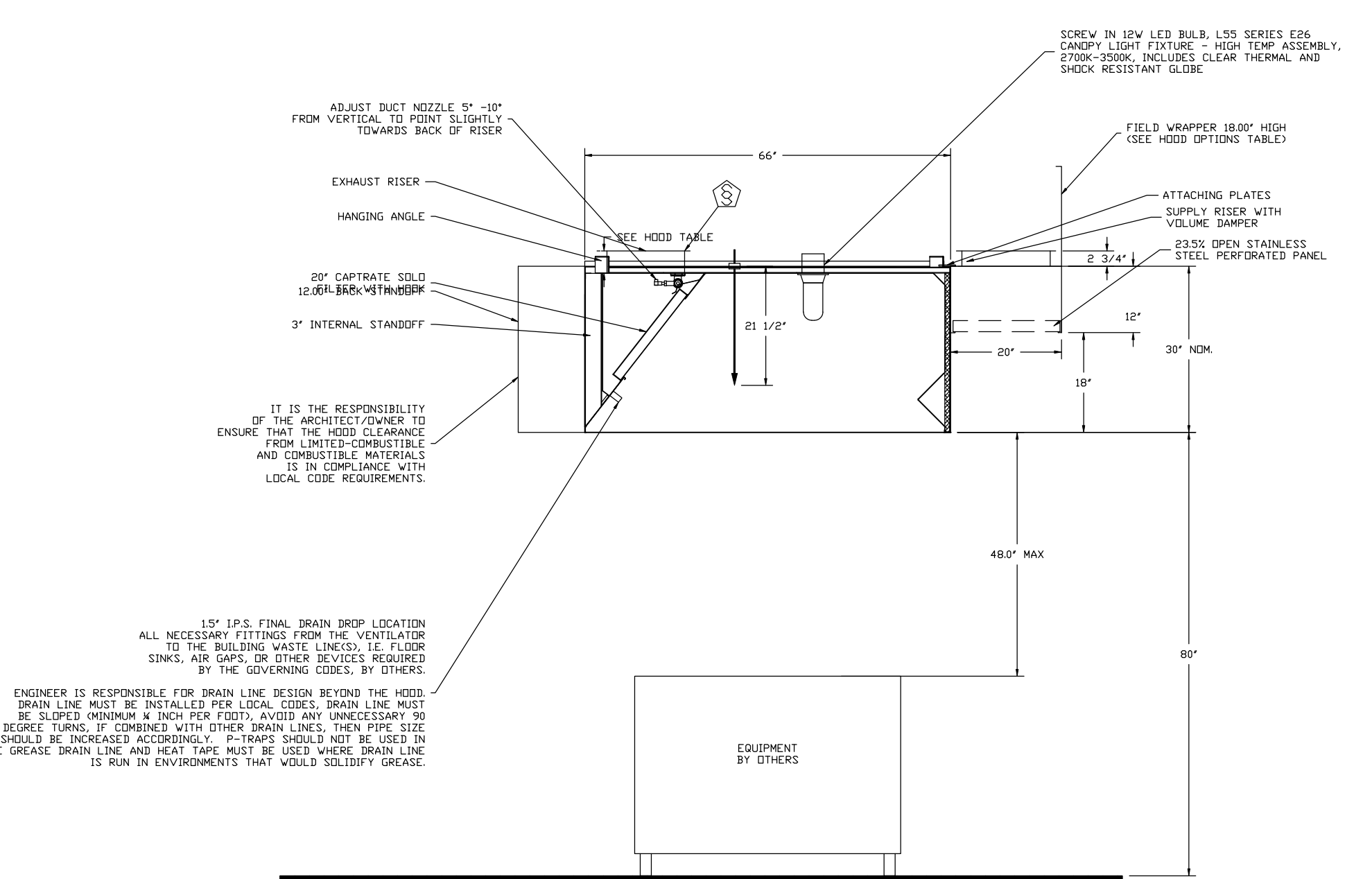
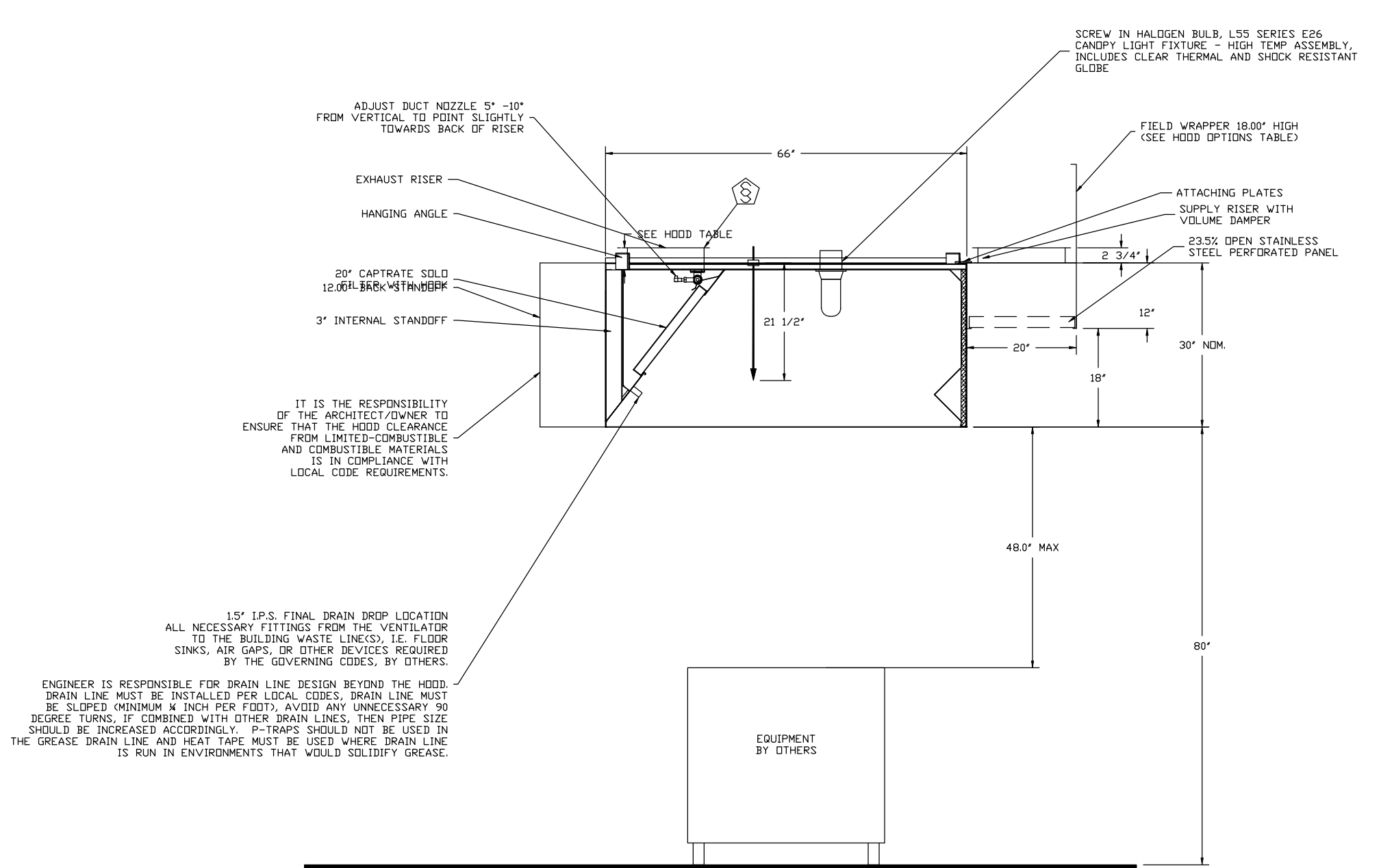
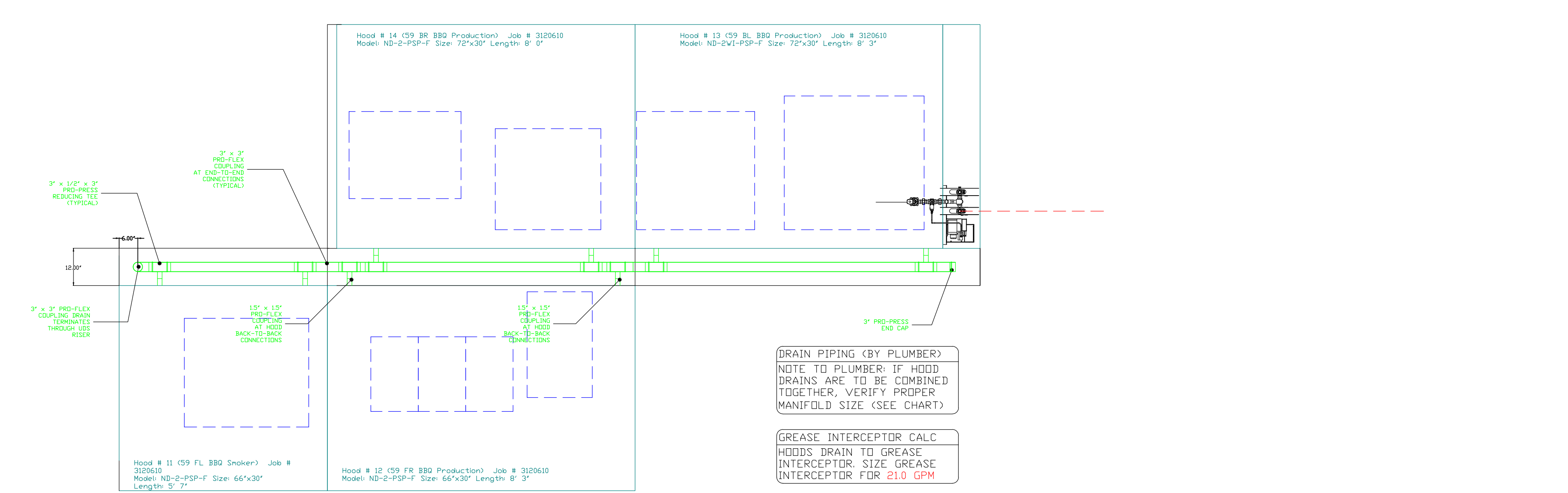
DATE: 6/29/2018
 DWG#: 3120610
 DRAWN BY: Reg83-BAS
 SCALE: 1/2" = 1'-0"
 MASTER DRAWING

SHEET NO. 10

| REVISIONS | DESCRIPTION | DATE |
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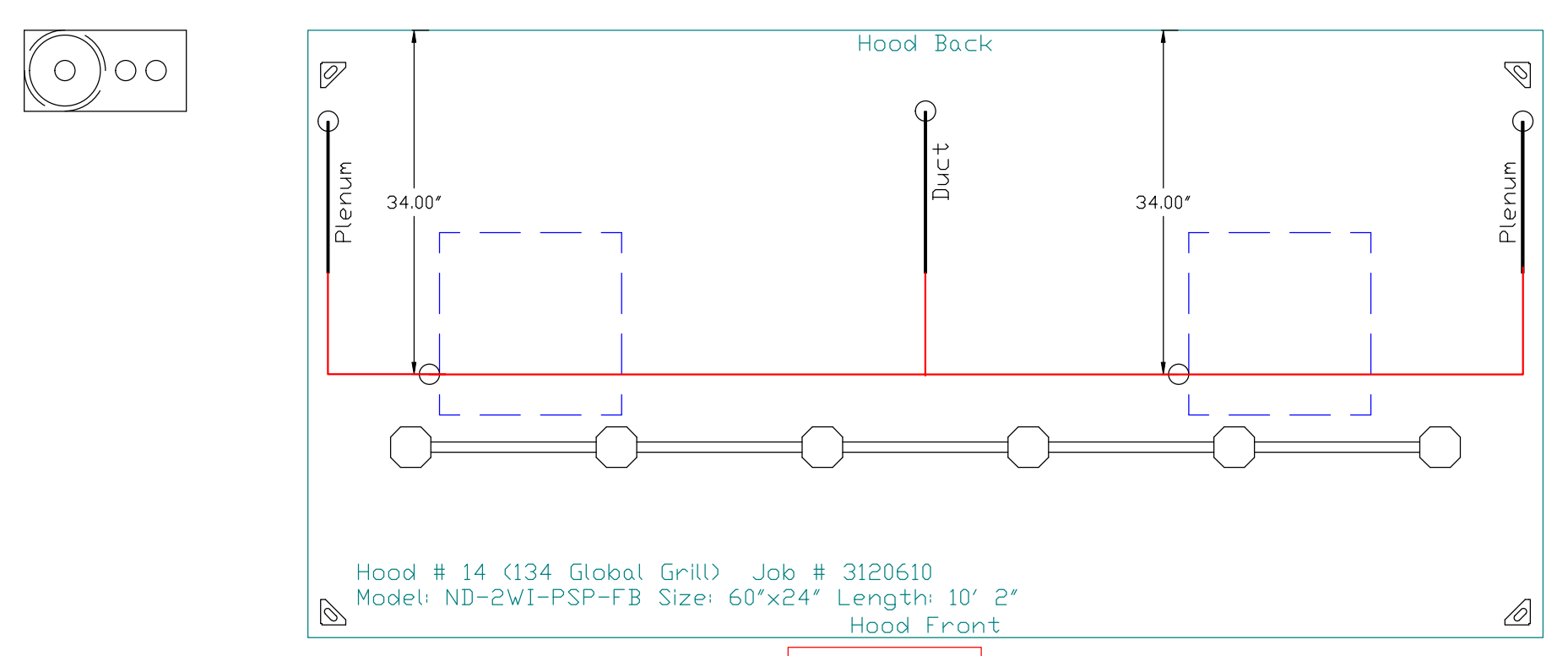
CAPTIVE
Pittsburgh Foodservice
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501 Duncan Ct, Cranberry Township, PA, 15066 PHONE: (724) 776-7501 FAX: (724) 776-7522 EMAIL: reg3bas@captiveare.com



Campbell University_R6-FC
450 Leslie Campbell Ave,
BUJES CREEK, NC, 27506

DATE: 6/29/2018
DWG.#: 3120610
DRAWN BY: Reg3-BAS
SCALE: 1/2" = 1'-0"
MASTER DRAWING

SHEET NO. 12



NOTES

- FIELD PIPE DROPS AS SHOWN
- SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE.
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.
- IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

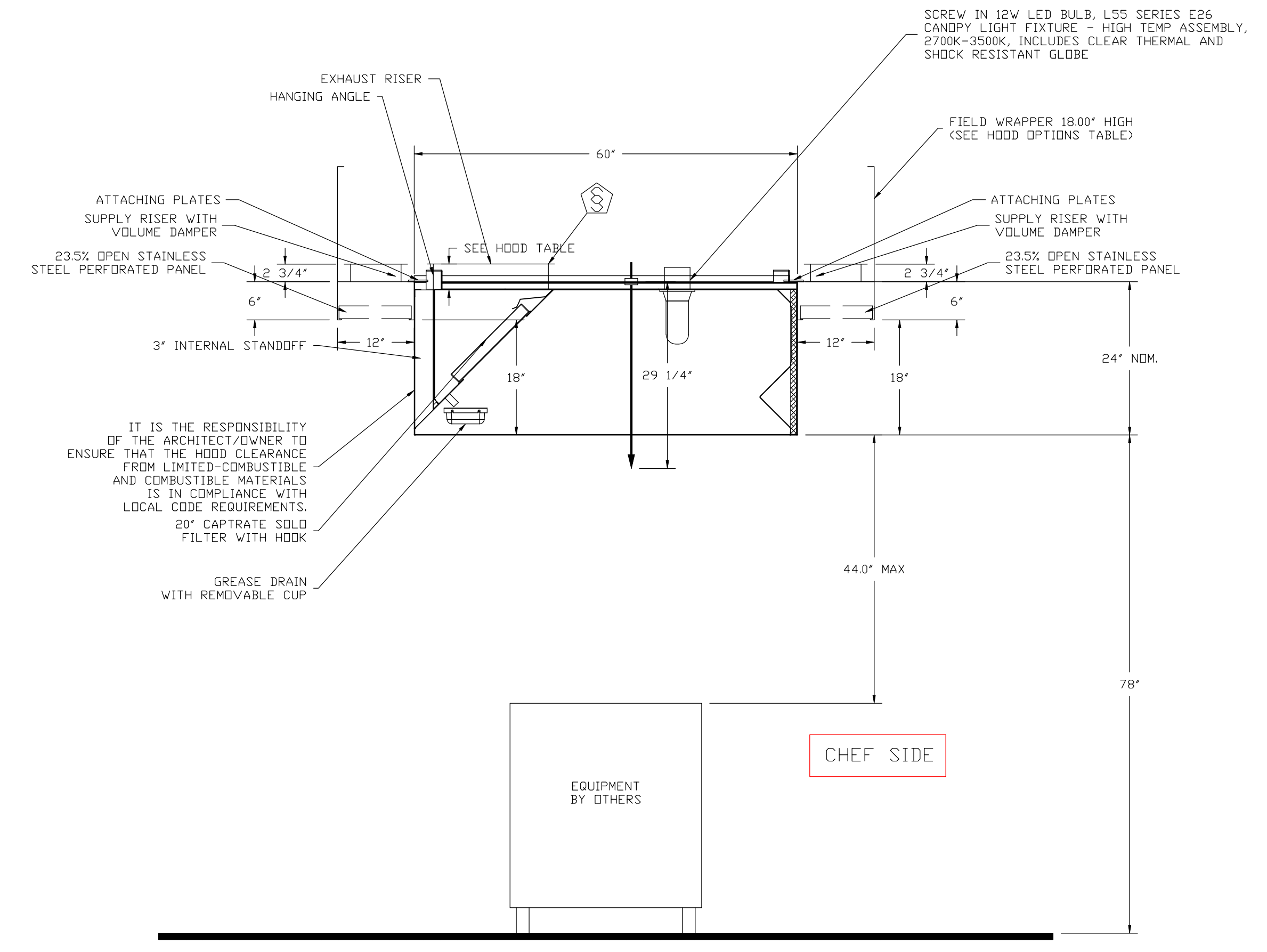
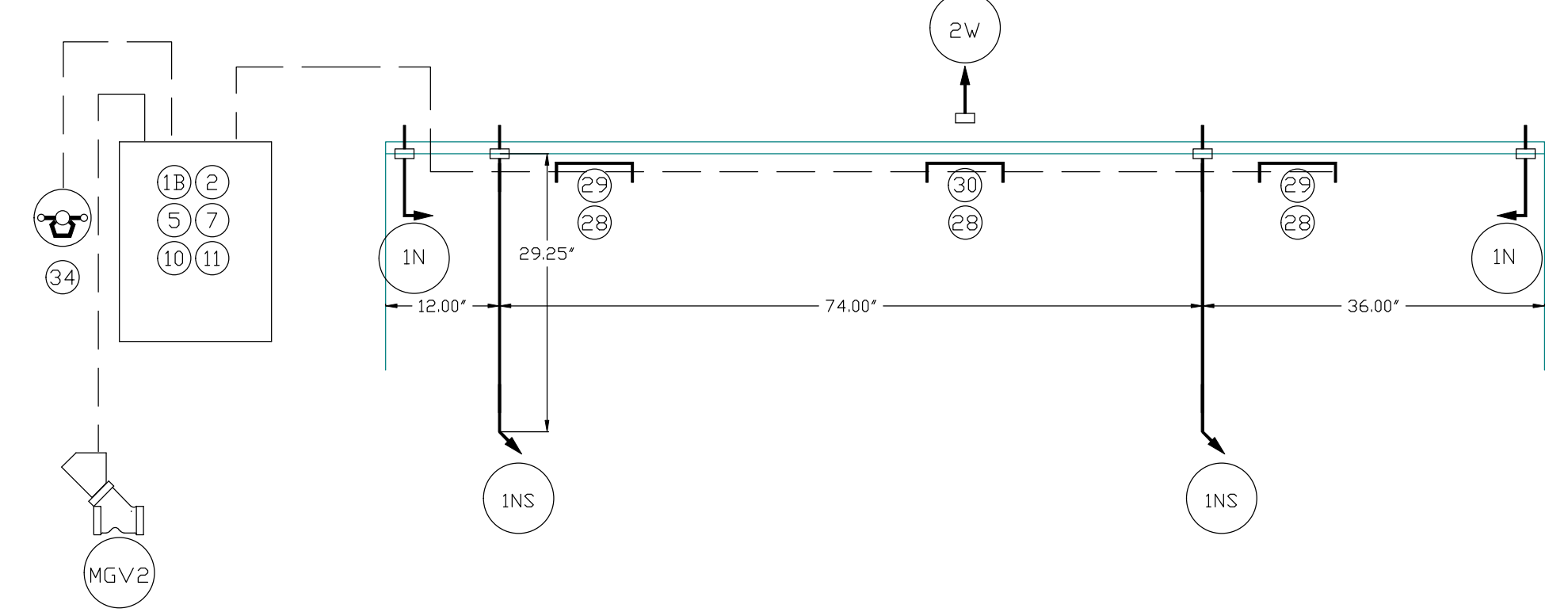
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS

Job #: 3120610
Job Name: Campbell University_R6-FC
Drawn By:
System Size: ANSUL-3.0 Total FP required: 6
Hood # 18 10' 2.00" Long x 60" Wide x 24" High
Riser # 1 Size: 18" Dia.
Hood # 18 Metal Blow-Off Caps Included.

LEGEND - WALL MOUNTED ANSUL SYSTEM

- 1A 1.5 GALLON TANK
- 1B 3.0 GALLON TANK
- 2 AUTOMAN RELEASE
- 3 3 GALLON TANK ENCLOSURE
- 3A 6 GALLON TANK ENCLOSURE
- 4 REGULATED ACTUATOR
- 5 ANSULEX LIQUID AGENT (3 GAL.)
- 6 ANSULEX LIQUID AGENT (1.5 GAL.)
- 7 CARTRIDGE (101-20)
- 8 CARTRIDGE (101-10)
- 9 CARTRIDGE (101-30)
- 9A CARTRIDGE (LT-A-101-30)
- 9B DOUBLE TANK CARTRIDGE
- 10 TEST LINK
- 11 DOUBLE MICROSWITCH
- 2W DUCT NOZZLE (419337)
- 1W NOZZLE ASSEMBLY (419336)
- 1F NOZZLE ASSEMBLY (419333)
- 1N NOZZLE ASSEMBLY (419335)
- 1/2N NOZZLE ASSEMBLY (419334)
- 3N NOZZLE ASSEMBLY (419338)
- 245 NOZZLE ASSEMBLY (419340)
- 230 NOZZLE ASSEMBLY (419339)
- 2120 NOZZLE ASSEMBLY (419343)
- 290 NOZZLE ASSEMBLY (419342)
- 260 NOZZLE ASSEMBLY (419341)
- 28 DETECTOR BRACKET
- 29 LOW TEMP FUSIBLE LINK
- 30 HIGH TEMP FUSIBLE LINK
- MGV MECHANICAL GAS VALVE
- EGV ELECTRICAL GAS VALVE
- 34 REMOTE MANUAL PULL STATION
- S SWIVEL ADAPTOR

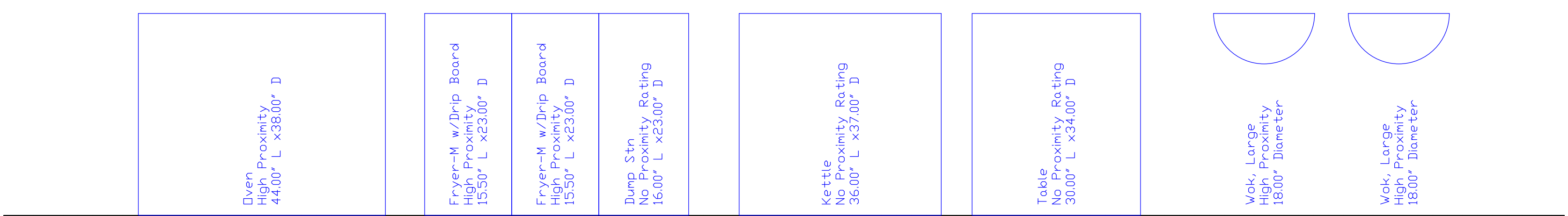
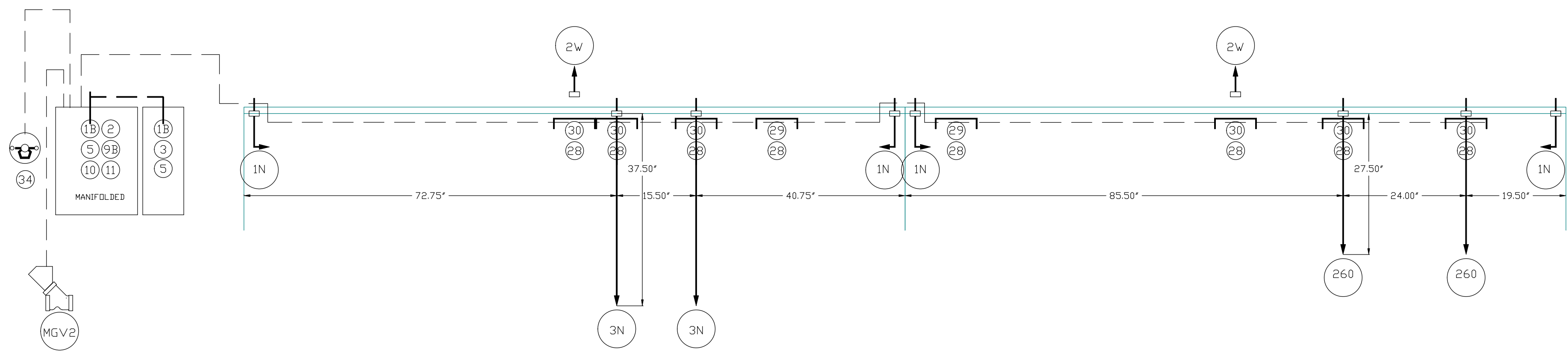
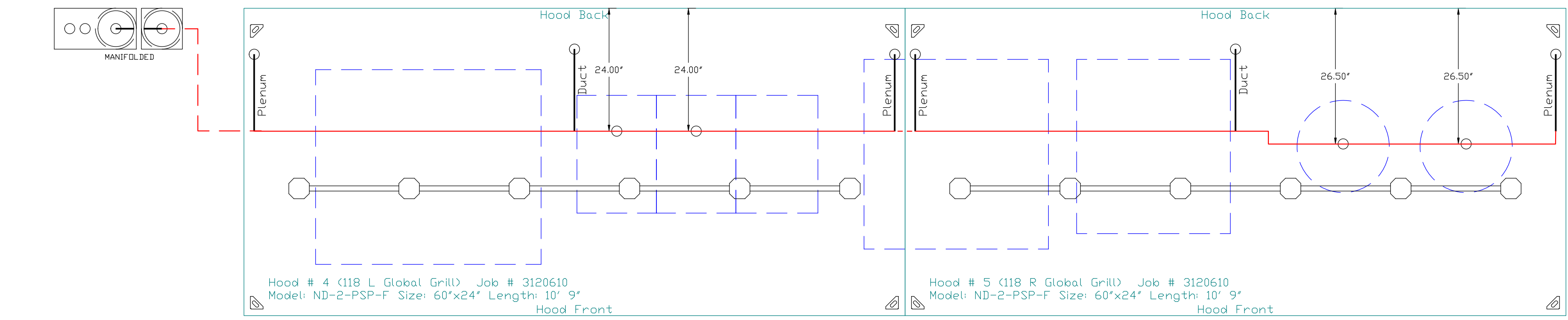


SECTION VIEW - MODEL 6024ND-2WI-PSP-FB
HOOD - #18

DUCT NOZZLE AND
PLENUM SPRAY BAR LOCATION

Campbell University_R6-FC
450 Leslie Campbell Ave,
BUJES CREEK, NC, 27506

DATE: 6/29/2018
DWG.#: 3120610
DRAWN BY: Reg83-BAS
SCALE: 3/4" = 1'-0"
MASTER DRAWING



NOTES

- FIELD PIPE DROPS AS SHOWN
- SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVEING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE.
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.
- IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6' ABOVE THE TOP OF THE HOOD.

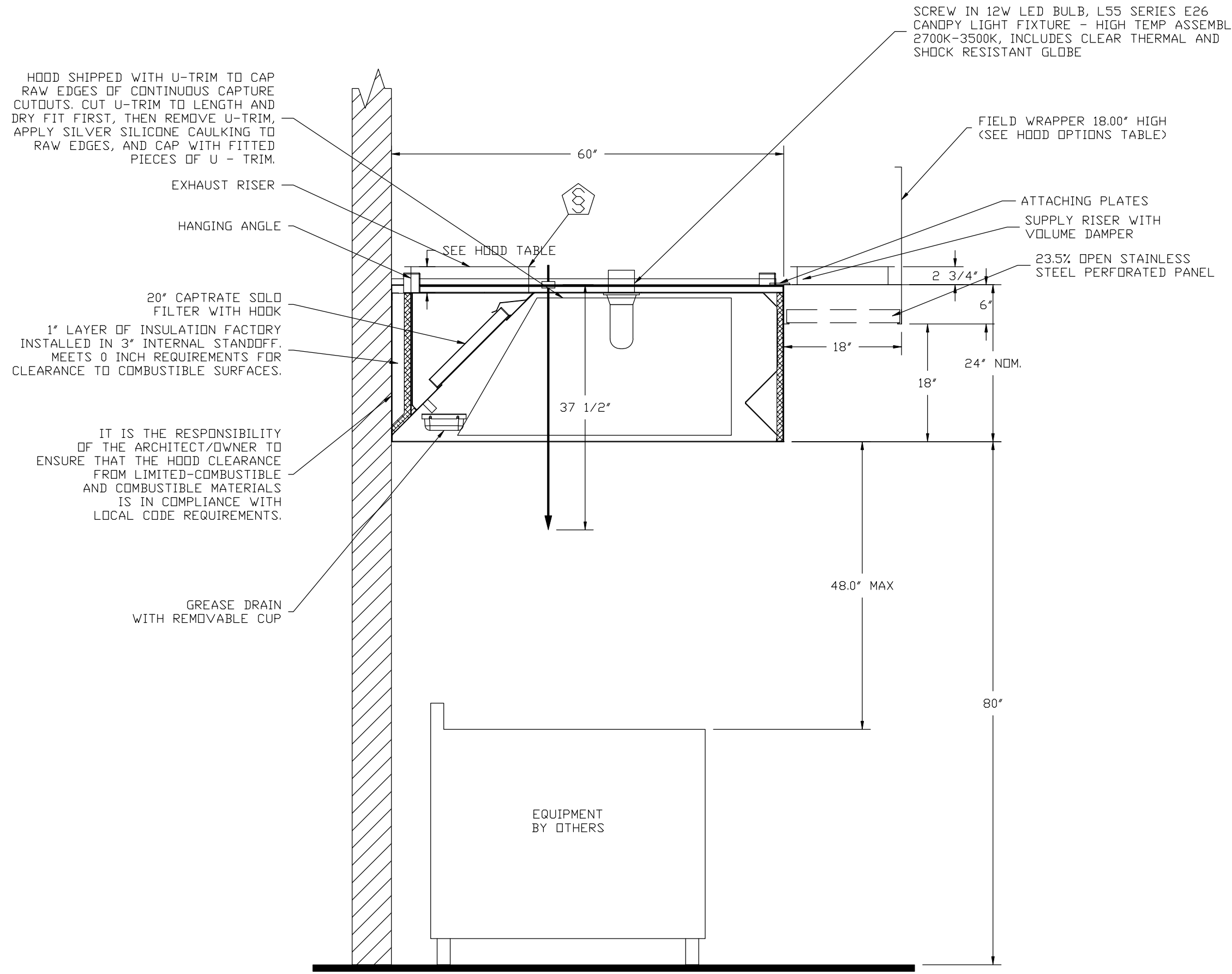
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS

Job #: 3120610
 Job Name: Campbell University_R6-FC
 Drawn By:
 System Size: ANSUL-3.0/3.0-MANIFOLD Total FP required: 18
 Hood # 8 10' 9.00' Long x 60' Wide x 24' High
 Riser # 1 Size: 18' Dia.
 Hood # 8 Metal Blow-Off Caps included.
 Hood # 9 10' 9.00' Long x 60' Wide x 24' High
 Riser # 1 Size: 18' Dia.
 Hood # 9 Metal Blow-Off Caps included.

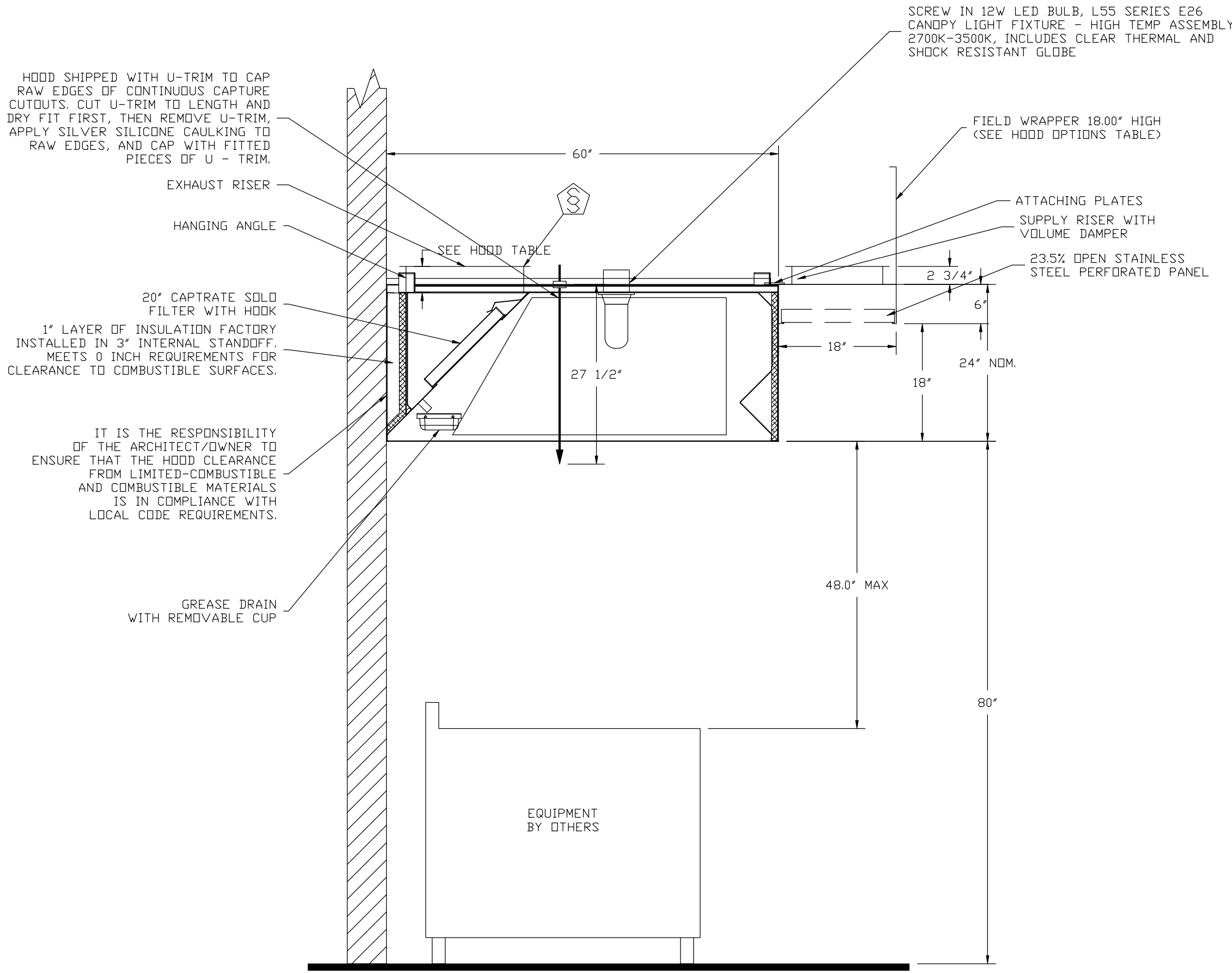
LEGEND - WALL MOUNTED ANSUL SYSTEM

- 1A 1.5 GALLON TANK
- 1B 3.0 GALLON TANK
- 2 AUTOMAN RELEASE
- 3 3 GALLON TANK ENCLOSURE
- 3A 6 GALLON TANK ENCLOSURE
- 4 REGULATED ACTUATOR
- 5 ANSULEX LIQUID AGENT (3 GAL.)
- 6 ANSULEX LIQUID AGENT (1.5 GAL.)
- 7 CARTRIDGE (101-20)
- 8 CARTRIDGE (101-10)
- 9 CARTRIDGE (101-30)
- 9A CARTRIDGE (LT-A-101-30)
- 9B DOUBLE TANK CARTRIDGE
- 10 TEST LINK
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- 1W NOZZLE ASSEMBLY (419336)
- 1F NOZZLE ASSEMBLY (419333)
- 1N NOZZLE ASSEMBLY (419335)
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- 3N NOZZLE ASSEMBLY (419338)
- 245 NOZZLE ASSEMBLY (419340)
- 230 NOZZLE ASSEMBLY (419339)
- 2120 NOZZLE ASSEMBLY (419343)
- 290 NOZZLE ASSEMBLY (419342)
- 260 NOZZLE ASSEMBLY (419341)
- 28 DETECTOR BRACKET
- 29 LOW TEMP FUSIBLE LINK
- 30 HIGH TEMP FUSIBLE LINK
- MGV MECHANICAL GAS VALVE
- EGV ELECTRICAL GAS VALVE
- 34 REMOTE MANUAL PULL STATION
- S SWIVEL ADAPTOR



SECTION VIEW - MODEL 6024ND-2-PSP-F
 HOOD - #8

DUCT NOZZLE AND
 PLENUM SPRAY BAR LOCATION

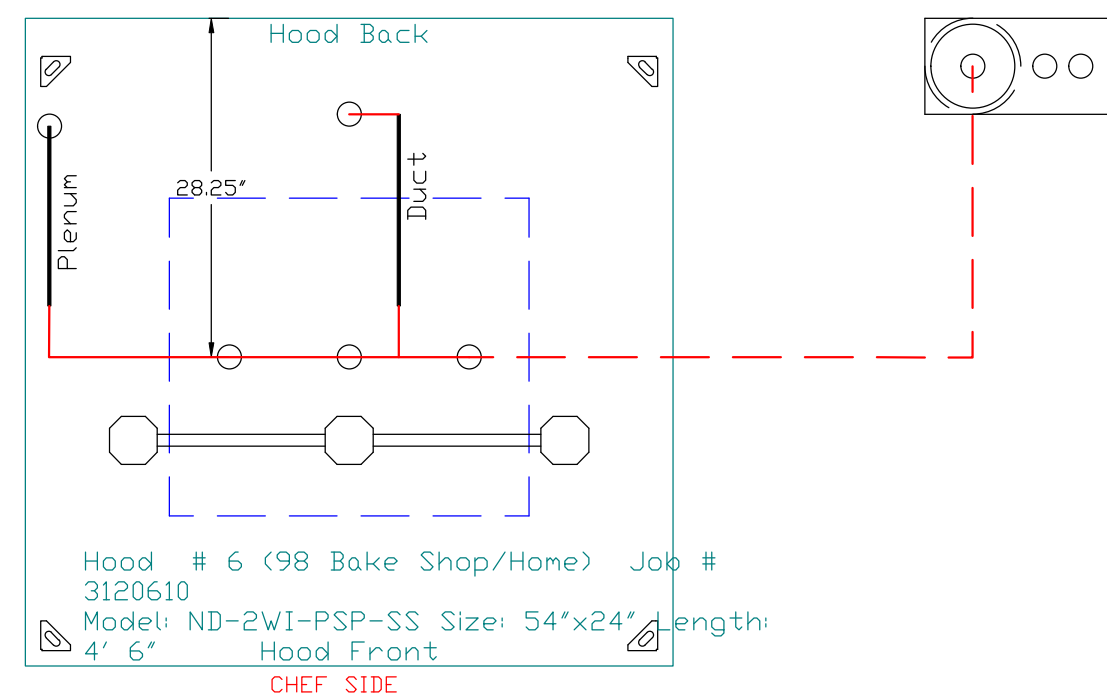


SECTION VIEW - MODEL 6024ND-2-PSP-F
 HOOD - #9

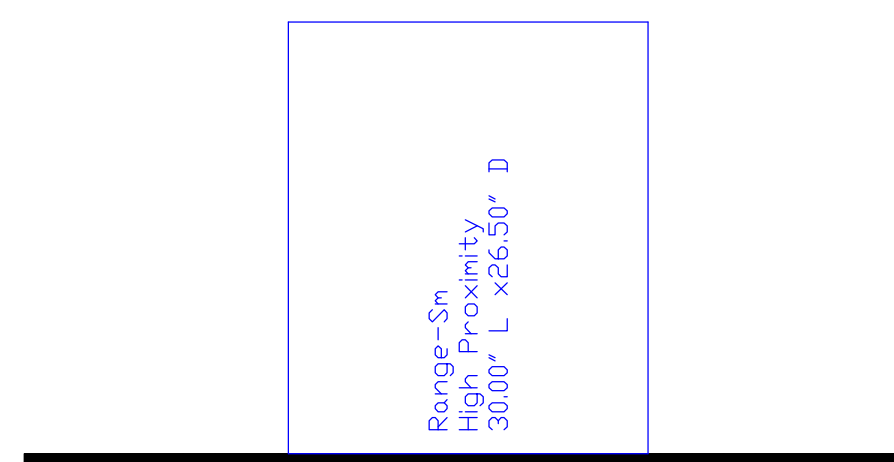
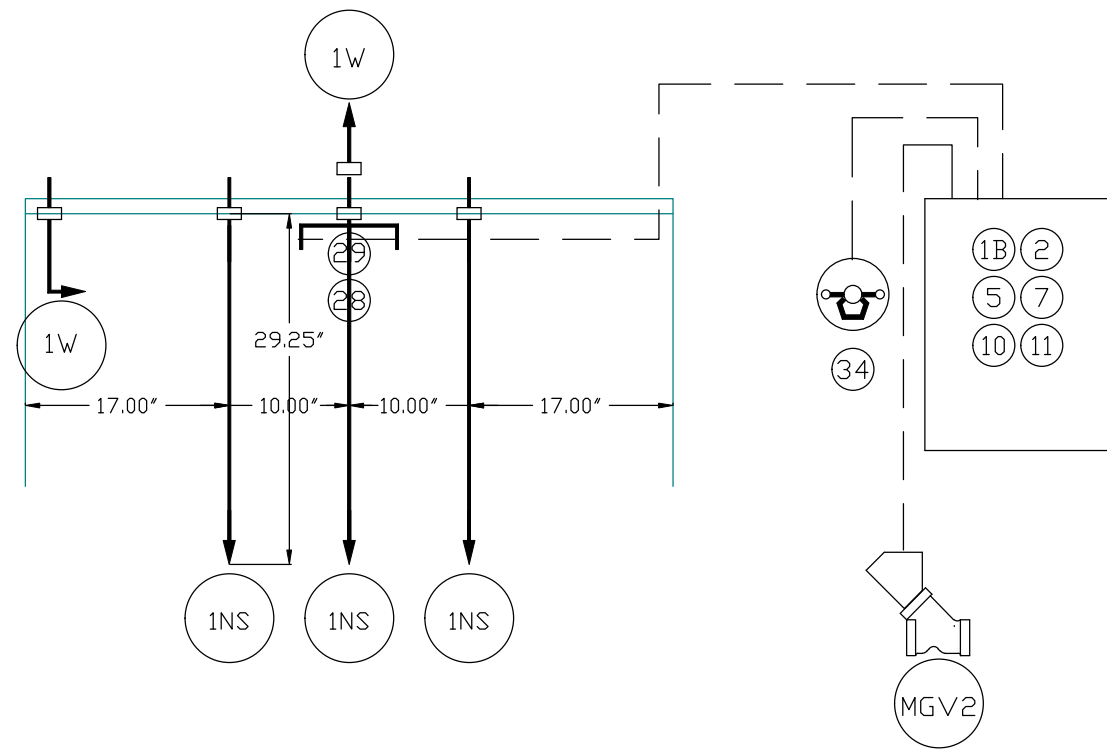
DUCT NOZZLE AND
 PLENUM SPRAY BAR LOCATION

Campbell University_R6-FC
 450 Leslie Campbell Ave,
 BUJES CREEK, NC, 27506

DATE: 6/29/2018
 DWG.#: 3120610
 DRAWN BY: Reg83-BAS
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING



Hood # 6 (98 Bake Shop/Home) Job # 3120610
 Model: ND-2WI-PSP-SS Size: 54"x24" Length: 4' 6"
 Hood Front
 CHEF SIDE

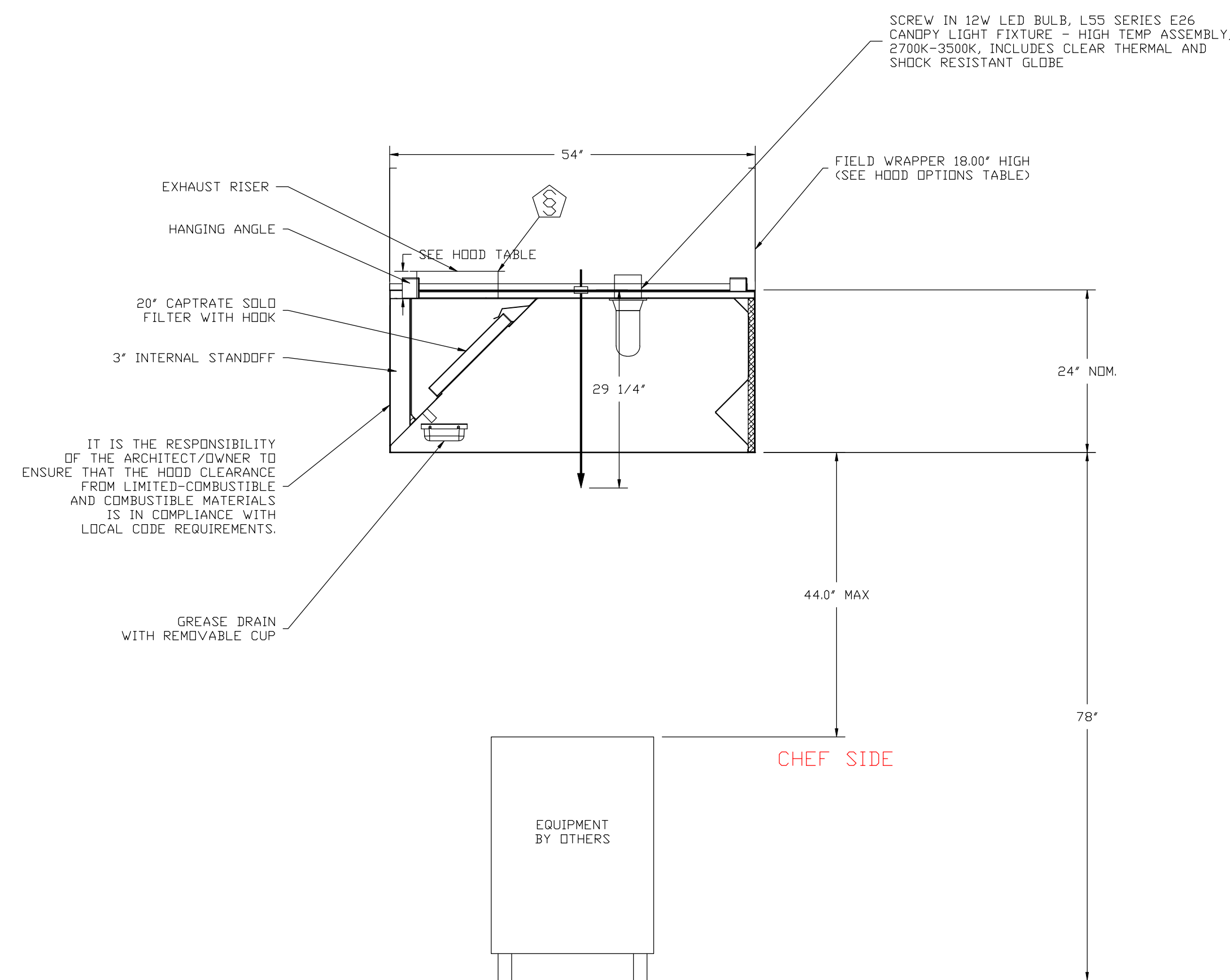


- NOTES
- FIELD PIPE DROPS AS SHOWN
 - SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
 - MAXIMUM 9 ELBOWS IN SUPPLY LINE.
 - MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.
 - IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
 - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
 - THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS

Job # 3120610
 Job Name: Campbell University_R6-FC
 Drawn By:
 System Size: ANSUL-3.0 Total FP required: 5
 Hood # 10 4' 6.00" Long x 54" Wide x 24" High
 Riser # 1 Size: 12" Dia.
 Hood # 10 Metal Blow-Off Caps included.

LEGEND - WALL MOUNTED ANSUL SYSTEM

- 1A 1.5 GALLON TANK
- 1B 3.0 GALLON TANK
- 2 AUTOMAN RELEASE
- 3 3 GALLON TANK ENCLOSURE
- 3A 6 GALLON TANK ENCLOSURE
- 4 REGULATED ACTUATOR
- 5 ANSULEX LIQUID AGENT (3 GAL.)
- 6 ANSULEX LIQUID AGENT (1.5 GAL.)
- 7 CARTRIDGE (101-20)
- 8 CARTRIDGE (101-10)
- 9 CARTRIDGE (101-30)
- 9A CARTRIDGE (LT-A-101-30)
- 9B DOUBLE TANK CARTRIDGE
- 10 TEST LINK
- 11 DOUBLE MICROSWITCH
- 2W DUCT NOZZLE (419337)
- 1W NOZZLE ASSEMBLY (419336)
- 1F NOZZLE ASSEMBLY (419333)
- 1N NOZZLE ASSEMBLY (419335)
- 1/2N NOZZLE ASSEMBLY (419334)
- 3N NOZZLE ASSEMBLY (419338)
- 245 NOZZLE ASSEMBLY (419340)
- 230 NOZZLE ASSEMBLY (419339)
- 2120 NOZZLE ASSEMBLY (419343)
- 290 NOZZLE ASSEMBLY (419342)
- 260 NOZZLE ASSEMBLY (419341)
- 28 DETECTOR BRACKET
- 29 LOW TEMP FUSIBLE LINK
- 30 HIGH TEMP FUSIBLE LINK
- MGV MECHANICAL GAS VALVE
- EGV ELECTRICAL GAS VALVE
- 34 REMOTE MANUAL PULL STATION
- S SWIVEL ADAPTOR



SECTION VIEW - MODEL 5424ND-2WI-PSP-SS
 HOOD - #10

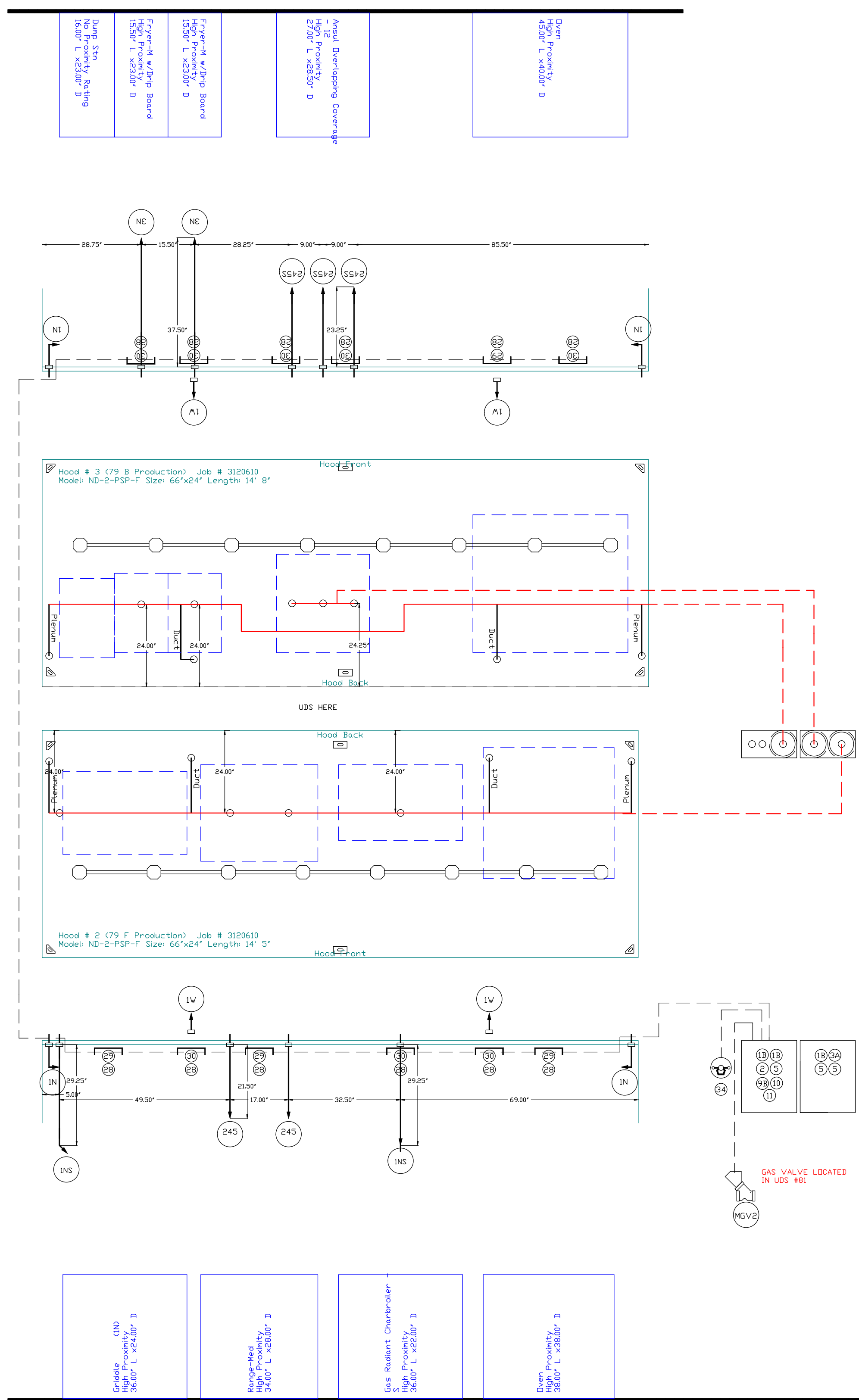
DUCT NOZZLE AND
 PLENUM SPRAY BAR LOCATION

| REVISIONS | |
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| DESCRIPTION | DATE |
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Pittsburgh Foodservice
 www.captivefire.com
 507 Duncan Ct, Cranberry Township, PA, 15066 PHONE: (724) 776-7501 FAX: (724) 776-7522 EMAIL: reg83@captivefire.com

Campbell University_R6-FC
 450 Leslie Campbell Ave,
 BUJES CREEK, NC, 27506

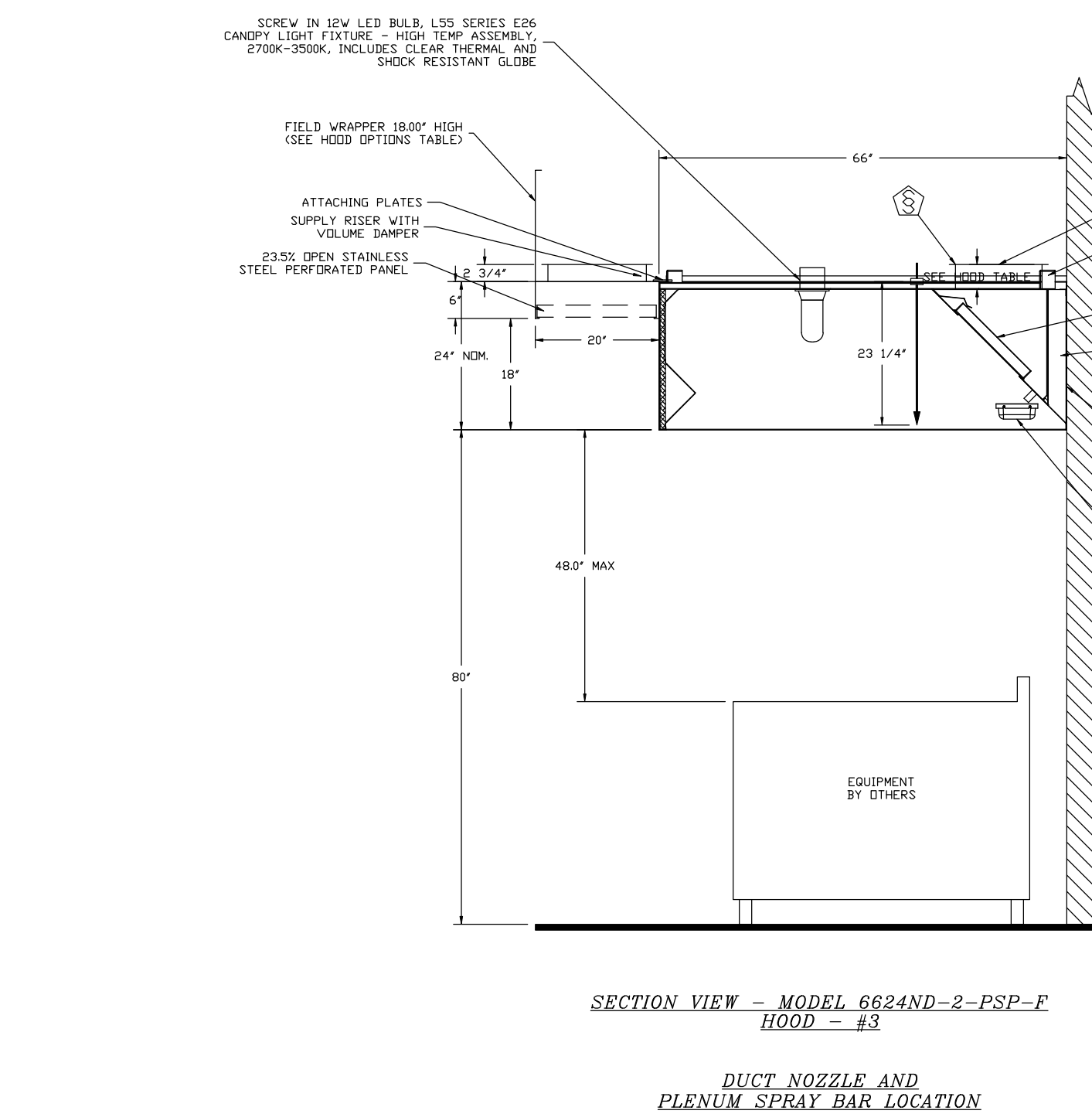
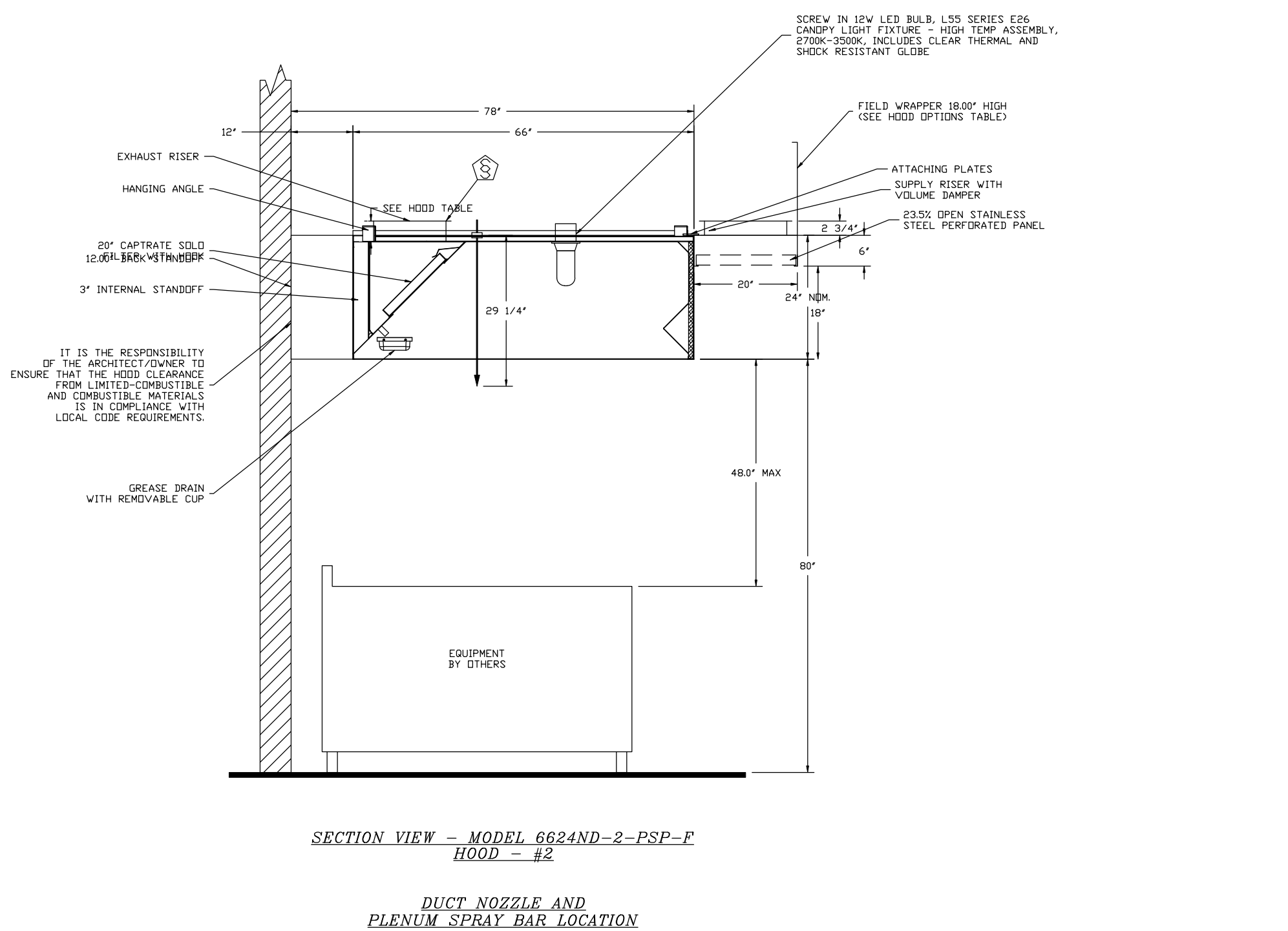
DATE: 6/29/2018
DWG.#: 3120610
DRAWN BY: Reg83-BAS
SCALE: 3/4" = 1'-0"
MASTER DRAWING



NOTES

- FIELD PIPE DRDPS AS SHOWN
- SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE
- IF APPLICABLE, PRE-PIPED CHARBROILER DRDPS ARE SHIPPED LOOSE
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE
- THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS

Job #: 3120610
 Job Name: Campbell University_R6-FC
 System Size: ANSUL-3.0/3.0/3.0 Total FP required: 26
 Hood # 2 14' 5.00" Long x 66" Wide x 24" High
 Hood # 3 14' 8.00" Long x 66" Wide x 24" High
 Riser # 1 Size: 1/2" Dia.
 Riser # 2 Size: 1/2" Dia.
 Riser # 3 Size: 1/2" Dia.
 Riser # 4 Size: 1/2" Dia.
 Riser # 5 Size: 1/2" Dia.
 Riser # 6 Size: 1/2" Dia.
 Riser # 7 Size: 1/2" Dia.
 Riser # 8 Size: 1/2" Dia.
 Riser # 9 Size: 1/2" Dia.
 Riser # 10 Size: 1/2" Dia.
 Riser # 11 Size: 1/2" Dia.
 Riser # 12 Size: 1/2" Dia.
 Riser # 13 Size: 1/2" Dia.
 Riser # 14 Size: 1/2" Dia.
 Riser # 15 Size: 1/2" Dia.
 Riser # 16 Size: 1/2" Dia.
 Riser # 17 Size: 1/2" Dia.
 Riser # 18 Size: 1/2" Dia.
 Riser # 19 Size: 1/2" Dia.
 Riser # 20 Size: 1/2" Dia.
 Riser # 21 Size: 1/2" Dia.
 Riser # 22 Size: 1/2" Dia.
 Riser # 23 Size: 1/2" Dia.
 Riser # 24 Size: 1/2" Dia.
 Riser # 25 Size: 1/2" Dia.
 Riser # 26 Size: 1/2" Dia.
 Riser # 27 Size: 1/2" Dia.
 Riser # 28 Size: 1/2" Dia.
 Riser # 29 Size: 1/2" Dia.
 Riser # 30 Size: 1/2" Dia.
 Riser # 31 Size: 1/2" Dia.
 Riser # 32 Size: 1/2" Dia.
 Riser # 33 Size: 1/2" Dia.
 Riser # 34 Size: 1/2" Dia.
 Riser # 35 Size: 1/2" Dia.
 Riser # 36 Size: 1/2" Dia.
 Riser # 37 Size: 1/2" Dia.
 Riser # 38 Size: 1/2" Dia.
 Riser # 39 Size: 1/2" Dia.
 Riser # 40 Size: 1/2" Dia.
 Riser # 41 Size: 1/2" Dia.
 Riser # 42 Size: 1/2" Dia.
 Riser # 43 Size: 1/2" Dia.
 Riser # 44 Size: 1/2" Dia.
 Riser # 45 Size: 1/2" Dia.
 Riser # 46 Size: 1/2" Dia.
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 Riser # 48 Size: 1/2" Dia.
 Riser # 49 Size: 1/2" Dia.
 Riser # 50 Size: 1/2" Dia.
 Riser # 51 Size: 1/2" Dia.
 Riser # 52 Size: 1/2" Dia.
 Riser # 53 Size: 1/2" Dia.
 Riser # 54 Size: 1/2" Dia.
 Riser # 55 Size: 1/2" Dia.
 Riser # 56 Size: 1/2" Dia.
 Riser # 57 Size: 1/2" Dia.
 Riser # 58 Size: 1/2" Dia.
 Riser # 59 Size: 1/2" Dia.
 Riser # 60 Size: 1/2" Dia.
 Riser # 61 Size: 1/2" Dia.
 Riser # 62 Size: 1/2" Dia.
 Riser # 63 Size: 1/2" Dia.
 Riser # 64 Size: 1/2" Dia.
 Riser # 65 Size: 1/2" Dia.
 Riser # 66 Size: 1/2" Dia.
 Riser # 67 Size: 1/2" Dia.
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 Riser # 69 Size: 1/2" Dia.
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 Riser # 83 Size: 1/2" Dia.
 Riser # 84 Size: 1/2" Dia.
 Riser # 85 Size: 1/2" Dia.
 Riser # 86 Size: 1/2" Dia.
 Riser # 87 Size: 1/2" Dia.
 Riser # 88 Size: 1/2" Dia.
 Riser # 89 Size: 1/2" Dia.
 Riser # 90 Size: 1/2" Dia.
 Riser # 91 Size: 1/2" Dia.
 Riser # 92 Size: 1/2" Dia.
 Riser # 93 Size: 1/2" Dia.
 Riser # 94 Size: 1/2" Dia.
 Riser # 95 Size: 1/2" Dia.
 Riser # 96 Size: 1/2" Dia.
 Riser # 97 Size: 1/2" Dia.
 Riser # 98 Size: 1/2" Dia.
 Riser # 99 Size: 1/2" Dia.
 Riser # 100 Size: 1/2" Dia.



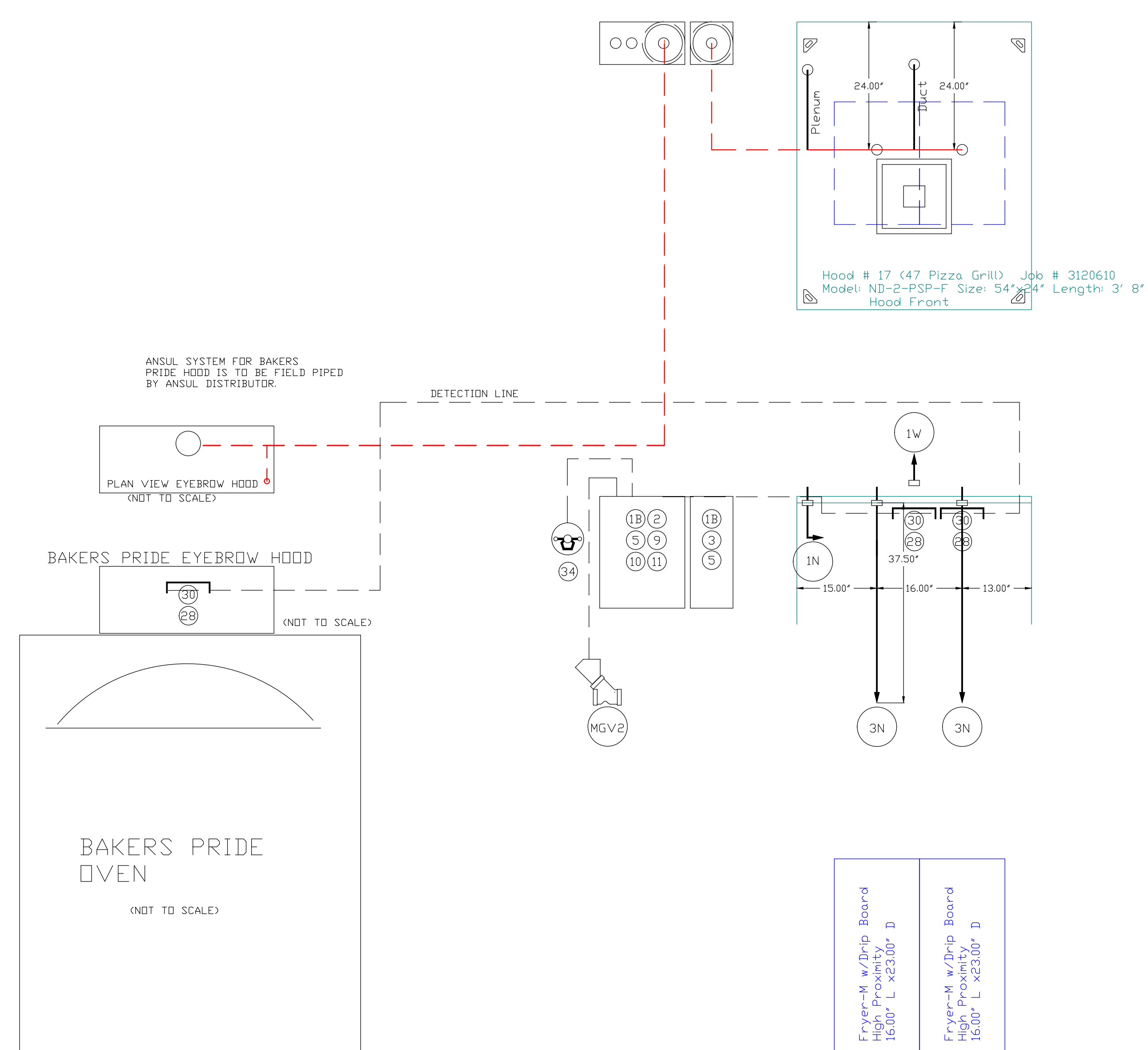
| REVISIONS | DESCRIPTION | DATE |
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Campbell University_R6-FC
 450 Leslie Campbell Ave,
 BUIES CREEK, NC, 27506

DATE: 6/29/2018
 DWG.#: 3120610
 DRAWN BY: Reg3-BAS
 SCALE: 1/2" = 1'-0"
 MASTER DRAWING

SHEET NO.

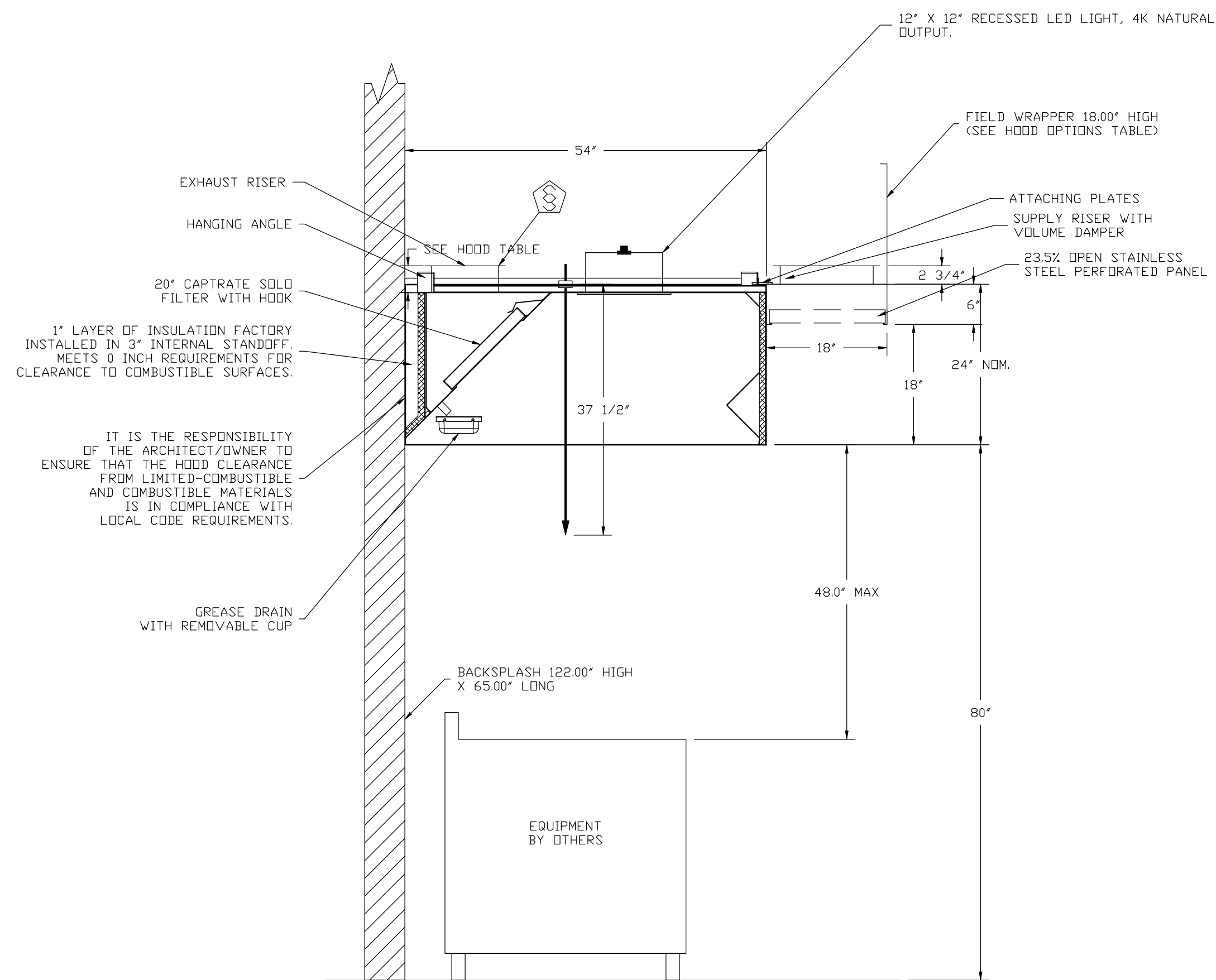


NOTES
 - FIELD PIPE DROPS AS SHOWN
 - SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
 - MAXIMUM 9 ELBOWS IN SUPPLY LINE.
 - MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.
 - IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6' ABOVE THE TOP OF THE HOOD.
 - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
 - THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS

Job #: 3120610
 Job Name: Campbell University_R6-FC
 Drawn By:
 System Size: ANSUL-3.0/3.0 Total FP required: 10
 Hood # 17 3' 8.00' Long x 54' Wide x 24' High
 Riser # 1 Size: 10" Dia.
 Hood # 17 Metal Blow-Off Caps included.

LEGEND - WALL MOUNTED ANSUL SYSTEM

- 1A 1.5 GALLON TANK
- 1B 3.0 GALLON TANK
- 2 AUTOMAN RELEASE
- 3 3 GALLON TANK ENCLOSURE
- 3A 6 GALLON TANK ENCLOSURE
- 4 REGULATED ACTUATOR
- 5 ANSULEX LIQUID AGENT (3 GAL.)
- 6 ANSULEX LIQUID AGENT (1.5 GAL.)
- 7 CARTRIDGE (101-20)
- 8 CARTRIDGE (101-10)
- 9 CARTRIDGE (101-30)
- 9A CARTRIDGE (LT-A-101-30)
- 9B DOUBLE TANK CARTRIDGE
- 10 TEST LINK
- 11 DOUBLE MICROSWITCH
- 2W DUCT NOZZLE (419337)
- 1W NOZZLE ASSEMBLY (419336)
- 1F NOZZLE ASSEMBLY (419333)
- 1N NOZZLE ASSEMBLY (419335)
- 1/2N NOZZLE ASSEMBLY (419334)
- 3N NOZZLE ASSEMBLY (419338)
- 245 NOZZLE ASSEMBLY (419340)
- 230 NOZZLE ASSEMBLY (419339)
- 2120 NOZZLE ASSEMBLY (419343)
- 290 NOZZLE ASSEMBLY (419342)
- 260 NOZZLE ASSEMBLY (419341)
- 28 DETECTOR BRACKET
- 29 LOW TEMP FUSIBLE LINK
- 30 HIGH TEMP FUSIBLE LINK
- MGV MECHANICAL GAS VALVE
- EGV ELECTRICAL GAS VALVE
- 34 REMOTE MANUAL PULL STATION
- S SWIVEL ADAPTOR



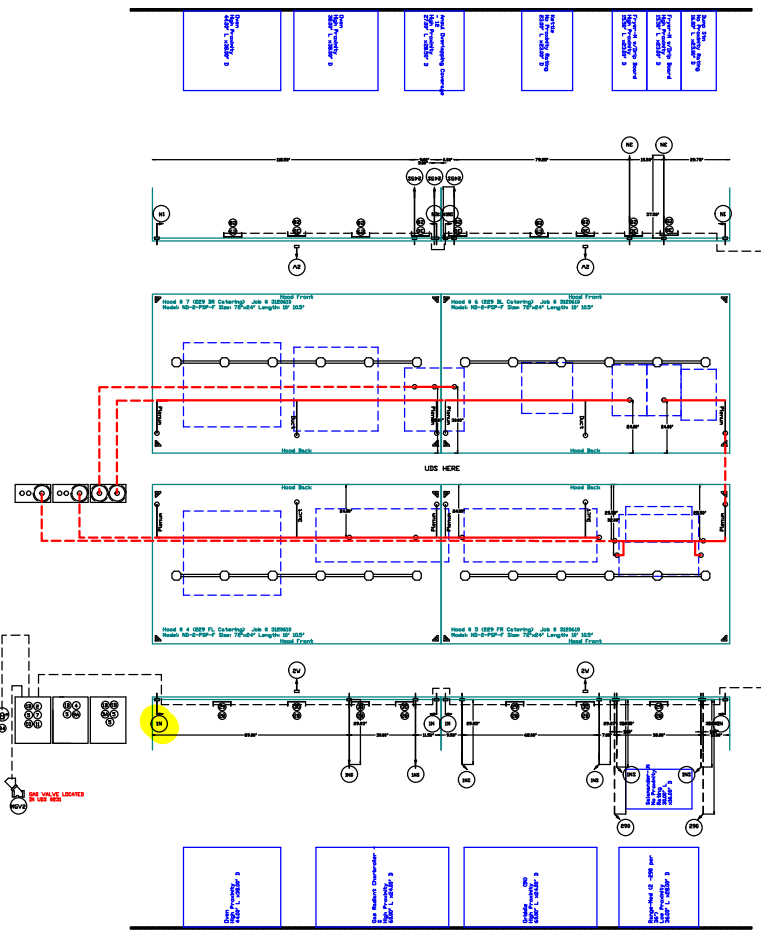
SECTION VIEW - MODEL 5424ND-2-PSP-F
 HOOD - #17
 DUCT NOZZLE AND
 PLENUM SPRAY BAR LOCATION

| REVISIONS | DESCRIPTION | DATE |
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Pittsburgh Foodservice
 507 Dundas Ct, Cranberry Township, PA, 15066 PHONE: (724) 776-7501 FAX: (724) 776-7522 EMAIL: reg83@captivefire.com
 www.captivefire.com

Campbell University_R6-FC
 450 Leslie Campbell Ave,
 BUJES CREEK, NC, 27506

DATE: 6/29/2018
 DWG.#: 3120610
 DRAWN BY: Reg83-BAS
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING



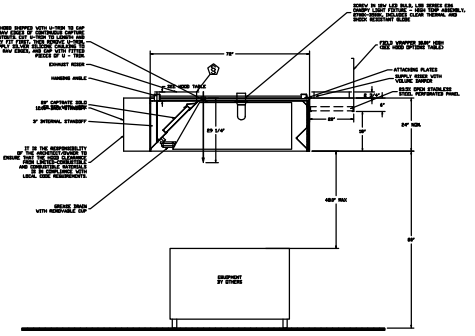
NOTES

- FIELD PIPE JOBS AS SHOWN
- SLEEVING THROUGH TESTS AND NOZZLES SUPPLIED BY CAS
- SLEEVING NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING
- MAINTAIN 3" CLEARANCE IN SUPPLY LINE
- MAINTAIN 7/8" INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE
- IF APPLICABLE, PROVIDE CHARGED JOBS AND CHARGED LINES
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
- THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS

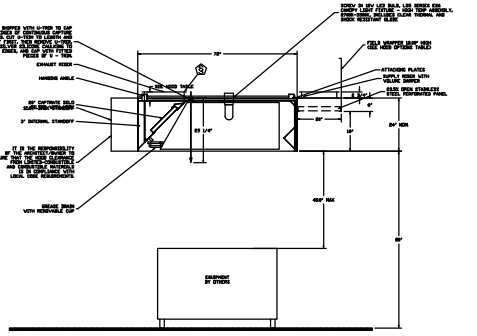
Job #: 202403
 Job Name: Campbell University_R6-FC
 System Size: ANSUL-30/24/30/30 Total FP required 38
 Hood # 1 10' 0" Long x 72" Wide x 24" High
 Hood # 2 Metal Blow-Off Caps Included
 Hood # 3 10' 0" Long x 72" Wide x 24" High
 Hood # 4 Metal Blow-Off Caps Included
 Hood # 5 10' 0" Long x 72" Wide x 24" High
 Hood # 6 Metal Blow-Off Caps Included
 Hood # 7 10' 0" Long x 72" Wide x 24" High
 Hood # 8 Metal Blow-Off Caps Included
 Hood # 9 10' 0" Long x 72" Wide x 24" High
 Hood # 10 Metal Blow-Off Caps Included

LEGEND - WALL MOUNTED ANSUL SYSTEM

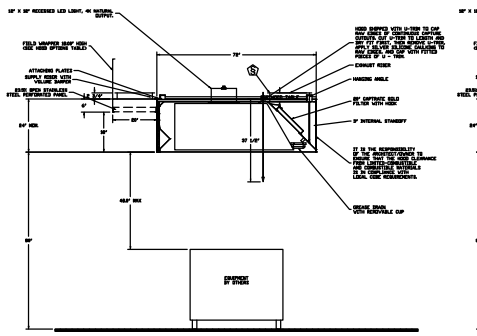
- 1A 15 GALLON TANK
- 1B 30 GALLON TANK
- 2 AUTOMATIC RELEASE
- 3 2 GALLON TANK ENCLOSURE
- 3A 2 GALLON TANK ENCLOSURE
- 4 REGULATOR ACTUATOR
- 5 ANSUL EX LIQUID AGENT (3 GAL.)
- 6 ANSUL EX LIQUID AGENT (1.5 GAL.)
- 7 CARTRIDGE (10L-10)
- 8 CARTRIDGE (10L-10)
- 9A CARTRIDGE (1.5L-10)
- 9B CARTRIDGE (1.5L-10)
- 10 TEST LINK
- 11 DOUBLE TANK CARTRIDGE
- 12 BULB
- 13 BULB
- 14 NOZZLE ASSEMBLY (4193360)
- 15 NOZZLE ASSEMBLY (4193360)
- 16 NOZZLE ASSEMBLY (4193360)
- 17 NOZZLE ASSEMBLY (4193360)
- 18 NOZZLE ASSEMBLY (4193360)
- 19 NOZZLE ASSEMBLY (4193360)
- 20 NOZZLE ASSEMBLY (4193360)
- 21 NOZZLE ASSEMBLY (4193360)
- 22 NOZZLE ASSEMBLY (4193360)
- 23 NOZZLE ASSEMBLY (4193360)
- 24 NOZZLE ASSEMBLY (4193360)
- 25 NOZZLE ASSEMBLY (4193360)
- 26 HIGH TEMP FIBERGLASS LINK
- 27 HIGH TEMP FIBERGLASS LINK
- 28 MECHANICAL GAS VALVE
- 29 ELECTRICAL GAS VALVE
- 30 REMOTE MANUAL PULL STATION
- 31 SWIVEL ADAPTOR



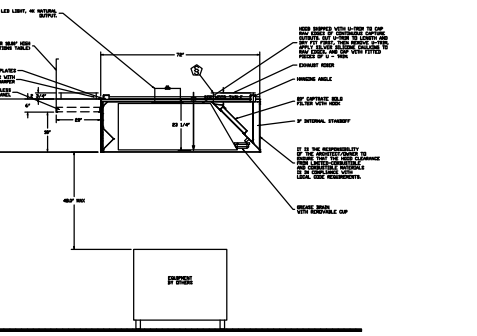
SECTION VIEW - MODEL BRAND-A-PSP-P HOOD - 1A
 DUCT NOZZLE AND PLASTIC SPRAY BAR LOCATION



SECTION VIEW - MODEL BRAND-A-PSP-P HOOD - 1B
 DUCT NOZZLE AND PLASTIC SPRAY BAR LOCATION



SECTION VIEW - MODEL BRAND-A-PSP-P HOOD - 1C
 DUCT NOZZLE AND PLASTIC SPRAY BAR LOCATION



SECTION VIEW - MODEL BRAND-A-PSP-P HOOD - 1D
 DUCT NOZZLE AND PLASTIC SPRAY BAR LOCATION