

**GENERAL SYSTEM NOTES**

**PANEL:**

- THE SUPPLEMENTAL NOTIFICATION REMOTE POWER SUPPLY (RPS) IS TO BE MOUNTED SURFACE, BESIDE THE FACP. THE TOP OF THE PANEL SHALL NOT EXCEED 6 FEET ABOVE FINISHED FLOOR SURFACE. A MINIMUM CLEARANCE OF 36" WORKING SPACE SHALL BE MAINTAINED.
- THE RPS IS TO BE POWERED BY THE SAME DEDICATED 120 VAC CIRCUIT AS THE FACP. TWO CONDUCTORS TO 120 VAC, ONE CONDUCTOR TO ISOLATED GROUND, 20 AMP DEDICATED CIRCUIT. A HOUSE GROUND WILL NOT BE ACCEPTABLE.
- THE BOTTOM THE RPS SHALL BE PENETRATED.

**DEVICES:**

- ALL SIGNALING DEVICES SHALL HAVE THE BOTTOM OF THE DEVICE PLACED AT 80 INCHES ABOVE FINISHED FLOOR WITHIN THE SPACE, OR THE TOP OF THE DEVICE 6 INCHES BELOW THE CEILING, WHICHEVER IS LOWER.
- THE AUDIBLE DEVICES SIGNAL SHALL BE SET TO THE TEMPORAL SETTING.
- ALL DEVICES ARE TO BE LOCATED PER THE DRAWINGS.
- WHEN APPLICABLE, VERIFY WITH MECHANICAL CONTRACTOR THE EXISTENCE AND LOCATION OF ALL MOTORIZED SMOKE DAMPERS. THESE ARE TO BE 120 VAC DEVICES ON AS FEW CIRCUITS AS POSSIBLE. THESE DEVICE CIRCUITS ARE TO BE CONTROLLED BY THE FACP THROUGH AN INTERFACING RELAY.
- WHEN APPLICABLE, VERIFY WITH SPRINKLER CONTRACTOR ALL LOCATIONS OF THE SPRINKLER WATERFLOW, DRY FLOW, HI/LO AIR, TAMPER SWITCHES AND PIV OR O, S, & Y VALVES.
- WHEN APPLICABLE, VERIFY WITH SPRINKLER CONTRACTOR THE EXISTENCE OF SPRINKLER HEAT TAPE. THIS HEAT TAPE SHALL BE MONITORED BY THE FACP AND SHALL REQUIRE AN APPROPRIATE RELAY THAT WILL PROVIDE SUPERVISION FOR HEAT TAPE GROUND FAULTS AND LOSS OF PRIMARY POWER.
- WHEN APPLICABLE, VERIFY WITH SPRINKLER CONTRACTOR THAT ALL APPLICABLE INTERSTITIAL CEILING, ATTIC, OR FLOOR SPACES ARE PROTECTED WITH SPRINKLER HEADS.

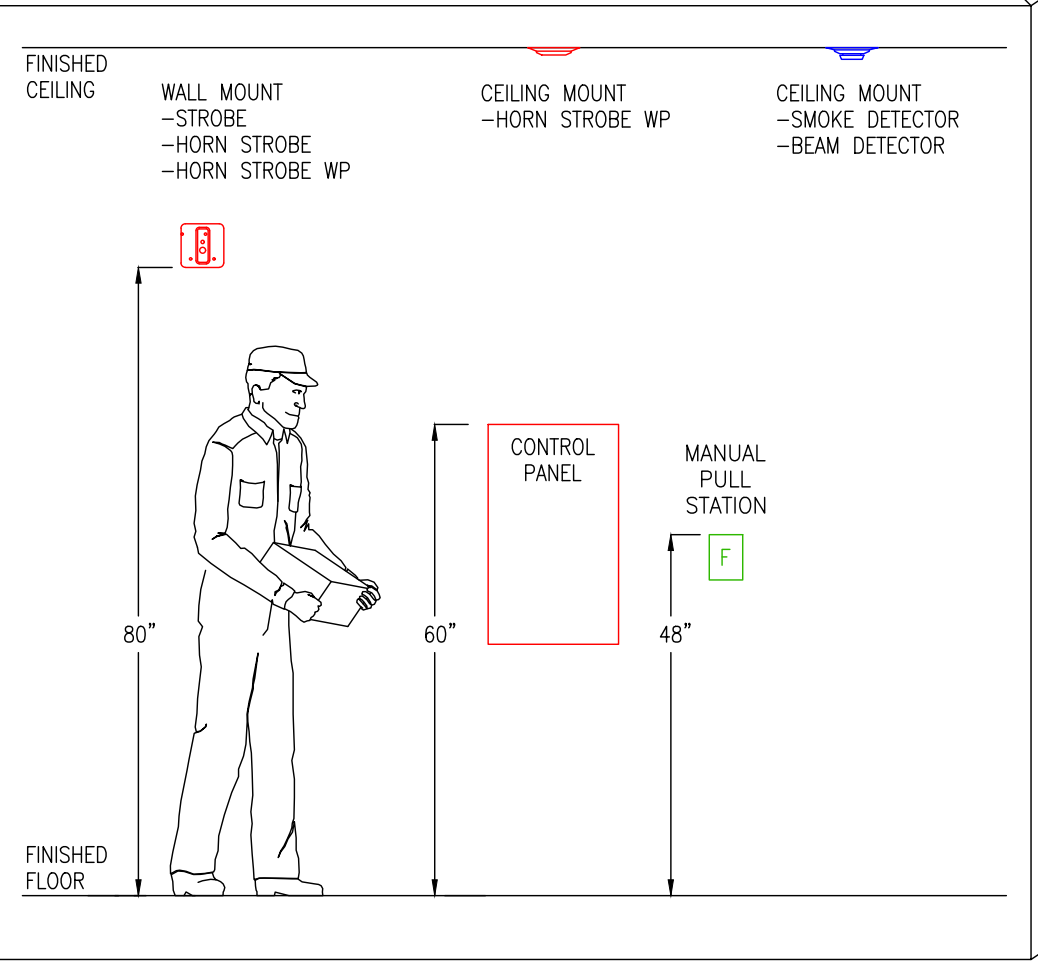
**WIRING:**

- TWO DEDICATED PHONE LINES TO BE INSTALLED BY OWNER TO TRANSMITTER.
- ALL AUDIBLE / VISUAL CIRCUITS ARE TO BE 14 AWG FPL WIRE. (RISER OR PLENUM RATED WIRE WHERE REQUIRED PER NEC).
- AUDIBLE / VISUAL CIRCUITS ARE TO HAVE AN END OF LINE RESISTOR (ELR) AS APPROPRIATE WITH THE FACP / RPS.
- ALL FIRE ALARM WIRES ARE REQUIRED TO BE IDENTIFIED AND APPROPRIATELY MARKED.
- PER NEC, NO AC VOLTAGE WIRING OF ANY KIND SHALL BE RUN IN THE SAME CONDUIT OR RISER AS THE LOW VOLTAGE FIRE ALARM SYSTEM WIRING.
- ALL JACKETED CABLE MUST INCLUDE A JACKET REMOVAL PULL STRING AS PART OF THE CABLE.
- SHIELDED CABLE IS NOT AN ACCEPTABLE SUBSTITUTION FOR CABLE WITHOUT "SHIELDED" AS PART OF THE DESCRIPTION.

**GENERAL:**

- ALL FIRE ALARM JUNCTION BOXES ARE TO BE PAINTED RED.
- ALL END OF LINE DEVICES SHALL HAVE AN IDENTIFYING E.O.L. STICKER AT THE E.O.L. LOCATION.
- ONLY CONDUCTORS INTENDED FOR TERMINATION TO THE SPECIFIC DEVICE ON ANY GIVEN JUNCTION BOX SHALL BE LEFT OPEN FOR TERMINATION IN THAT JUNCTION BOX. ALL OTHER CONDUCTORS SHALL PASS THROUGH, OR BE SPLICED THROUGH, THAT JUNCTION BOX.

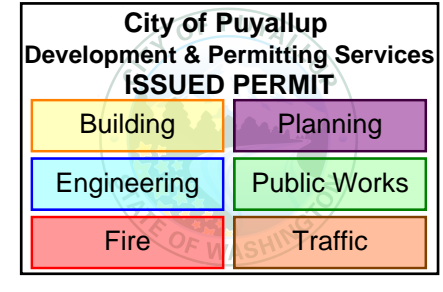
**TYPICAL MOUNTING HEIGHTS**



**City of Puyallup Fire REVIEWED FOR COMPLIANCE**  
 DDrake  
 01/21/2025  
 2:39:51 PM

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

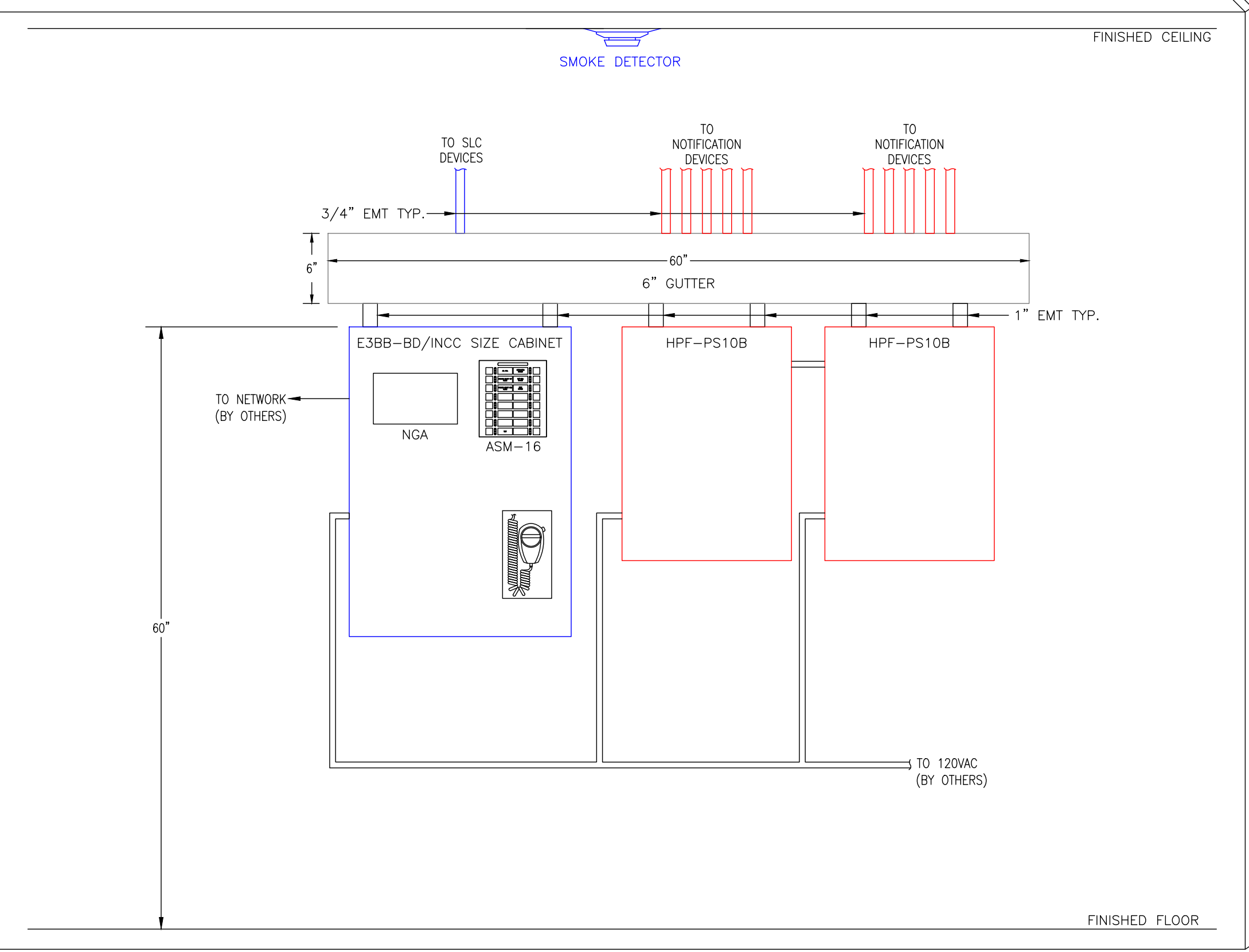
Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.



**SEQUENCE OF OPERATIONS**

| Alarm Device             | Output Activated   |                        |                                  |                                      |               |                |                    |
|--------------------------|--|------------------------|----------------------------------|--------------------------------------|---------------|----------------|--------------------|
|                          | General Notification - Alarm Horn + Horn Strobe + Strobe | Transmit Alarm Signals | Transmit Trouble Signals at FACP | Transmit Supervisory Signals at FACP | HVAC Shutdown | Sprinkler Bell | Keypad Annunciator |
| Smoke Detector           | X  | X                      |                                  |                                      |               |                | X                  |
| Beam Detector            | X  | X                      |                                  |                                      | X             |                | X                  |
| Manual Pull Station      | X  | X                      |                                  |                                      |               |                | X                  |
| FACP Alarm               | X  | X                      |                                  |                                      |               |                | X                  |
| FACP Trouble             |  |                        | X                                |                                      |               |                | X                  |
| FACP Supervisory         |  |                        |                                  | X                                    |               |                | X                  |
| Water Flow Supervisory   |  |                        |                                  | X                                    |               |                | X                  |
| Water Flow Alarm         | X  | X                      |                                  |                                      |               | X              | X                  |
| Water Flow Tamper Switch | X  | X                      |                                  |                                      |               |                | X                  |

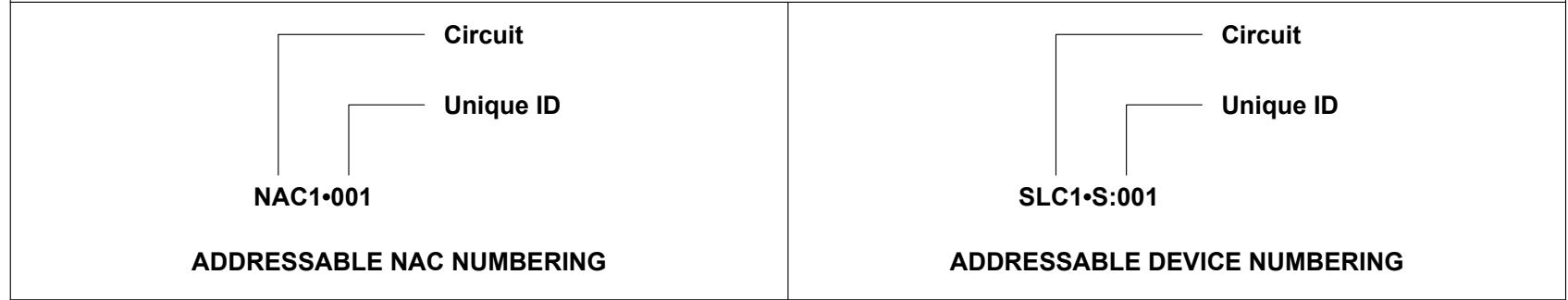
**PANEL DETAIL - EXISTING VESTIBULE**



**Symbol Legend**

| SYMBOL | DESCRIPTION  | MANUFACTURER   | PART NUMBER   | BACKBOX REQUIREMENTS          | QUANTITY |
|--------|--|----------------|---------------|-------------------------------|----------|
| [FACP] | E3 CLASSIC W/ I/LI-MB-E3 + CLSS GATEWAY + VERIZON MODULE | GAMEWELL-FCI   | E3-CLSS-KIT-V | E3BB-BD/INCC, BLACK ENCLOSURE | 1        |
| [RPS#] | 10AMP, 120VAC REMOTE CHARGER POWER SUPPLY                | HONEYWELL      | HPF-PS10B     | BLACK ENCLOSURE, PROVIDED     | 2        |
| [S]    | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                     | GAMEWELL FCI   | ASD-PL3       | B300-6 / 4SQR W / 3-O RING    | 39       |
| [B]    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR    | GAMEWELL FCI   | ABD-RT2F      | DEEP 4-SQR                    | 13       |
| [F]    | PULL STATION, DOUBLE ACTION, ADDRESSABLE                 | GAMEWELL FCI   | MS-7AF        | DEEP 4-SQR                    | 3        |
| [AOM]  | OUTPUT RELAY CONTROL MODULE, ADDRESSABLE                 | GAMEWELL FCI   | AOM-2RF       | DEEP 4-SQR                    | 1        |
| [MMI]  | MONITOR MODULE, 10 CIRCUIT, ADDRESSABLE                  | GAMEWELL FCI   | MMI-10F       | MBB-2                         | 3        |
| [RTS]  | REMOTE TEST STATION WITH ALARM LED                       | GAMEWELL FCI   | RTS451        | PROVIDED                      | 12       |
| [GTS]  | TAMPER SWITCH  | GENERIC        | GTS           | PROVIDED                      | 12       |
| [GWF]  | WATERFLOW SWITCH   | GENERIC        | GWF           | PROVIDED                      | 12       |
| [MB]   | MOTOR BELL, 24VDC, 10 INCH, RED                          | COOPER WHELOCK | MB-G10-24-R   | DOUBLE GANG                   | 2        |
| [PC2]  | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR       | SYSTEM SENSOR  | PC2WK         | DEEP 4-SQR                    | 15       |
| [SWL]  | L-SERIES STROBE, WHITE, WALL                             | SYSTEM SENSOR  | SWL           | DOUBLE GANG                   | 10       |
| [P2W]  | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL                | SYSTEM SENSOR  | P2WL          | DOUBLE GANG                   | 19       |
| [P2K]  | HORN STROBE, WHITE, WALL, OUTDOOR                        | SYSTEM SENSOR  | P2WK          | PROVIDED                      | 1        |
| [EOL]  | EOL-4.7K   | GAMEWELL FCI   | EOL-4.7       | PROVIDED                      | 8        |

**Fire Alarm Device Numbering**



**Wire Path Label Legend**

| Chr. Position | Character Purpose            |
|---------------|------------------------------|
| #1            | Quantity of the same circuit |
| #2            | Circuit name                 |

14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE  
 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE

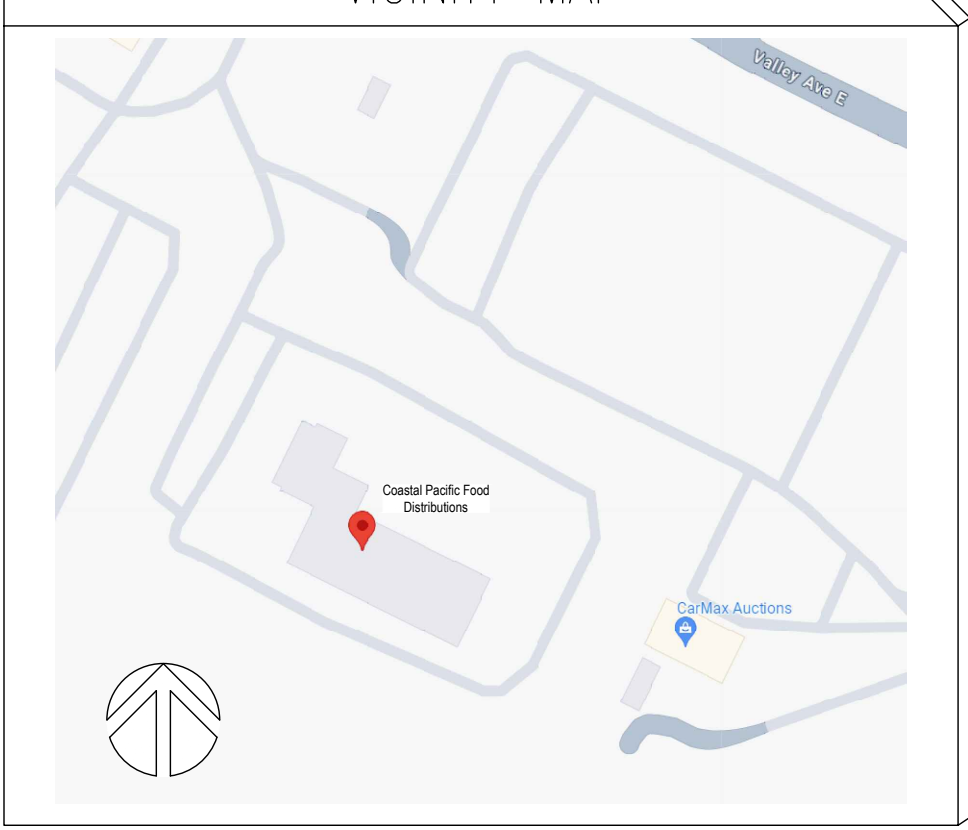
**WARRANTY**

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**VICINITY MAP**



**PROJECT NOTES**

- EXISTING DEVICES WILL BE REPLACED ON A LIKE-FOR-LIKE BASIS AS APPROPRIATE
- ALL DATA CABLES PROVIDED BY OTHERS, PROVIDE RACKWAYS ONLY
- SYSTEMS SUCH AS SECURITY, FIRE ALARM, CONTROLS, ETC. ARE NOT PART OF THE ELECTRICAL ENGINEERING SCOPE
- TECHNICIAN TO AS-BUILD DEVICE ADDRESSES, NOTIFICATION DEVICES AND CABLEING
- AMBIENT TEMPERATURE 70°F IN ALL SPACES
- AMBIENT SOUND LEVEL >40DB IN ALL SPACES

**PROJECT DATA**

PROJECT SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REQUIREMENTS OF ALL GOVERNING CODES, STANDARDS, REGULATIONS, AND LOCAL AUTHORITIES, INCLUDING BUT NOT LIMITED TO THE 2021 WASHINGTON STATE BUILDING CODE, 2021 WASHINGTON STATE FIRE CODE AND 2021 WASHINGTON STATE ENERGY CODE.

PARCEL NO. 0420215009  
 CONSTRUCTION CLASSIFICATION: TYPE II-B (§602.2)

OCCUPANCY CLASSIFICATIONS:  
 GROUP B - BUSINESS (§304.1)  
 GROUP S-1 - MODERATE HAZARD STORAGE (§311.2)  
 NON-SEPARATED, MIXED USE (IBC §508.3)

SPRINKLER SYSTEM: FULLY SPRINKLERED SYSTEM COMPLYING WITH NFPA 13.

BUILDING AREA: 19,873 SQ.FT. (EXISTING)  
 43,342 SQ.FT. (PROPOSED ADDITION)  
 63,220 SQ.FT. (TOTAL)

BUILDING HEIGHT: 45.00 FT. PLUS AVG. GRADE DEPTH - 1 STORY

ALLOWABLE AREA: 70,000 SQ.FT./STORY (T506.2)  
 ALLOWABLE HEIGHT: 75.00 FT. - 4 STORIES (T504.3 & T504.4)

BUILDING ELEMENT FIRE RESISTANCE RATINGS: 0 HOURS (T601 & T705.5)

OCCUPANCY LOAD (T1004.1.2):  
 BUSINESS AREA: 4,160 SQ.FT. / 150 SQ.FT. = 28 OCCUPANTS  
 STORAGE AREA: 59,060 SQ.FT. / 500 SQ.FT. = 118 OCCUPANTS  
 TOTAL: = 146 OCCUPANTS

MINIMUM PLUMBING FIXTURES (§2902.1, T2902.1, & §2902.5.1):  
 GROUP B (MALE/FEMALE OCCUPANT LOAD = 14 EACH):  
 WATER CLOSETS = 1 MALE - 1 FEMALE  
 LAVATORIES = 1 MALE - 1 FEMALE

GROUPS S-1 (MALE/FEMALE OCCUPANT LOAD = 59 EACH):  
 WATER CLOSETS = 1 MALE - 1 FEMALE  
 LAVATORIES = 1 MALE - 1 FEMALE

DRINKING FOUNTAINS = 1  
 SERVICE SINKS = 1

EXIT ACCESS TRAVEL DISTANCE (T1017.2):  
 GROUP B: 300 FT.  
 GROUPS S-1: 250 FT.

COMMON PATH OF TRAVEL: 100 FT. (T1006.2.1)

DEAD END CORRIDOR: 50 FT. (§1020.5-EXC. 2)

FIRE EXTINGUISHERS: 75 FT. MAXIMUM TRAVEL DISTANCE (T906.3(1))

ENVELOPE ENERGY CODE COMPLIANCE PATH: TRADE-OFF ANALYSIS PER 2021 WASHINGTON STATE ENERGY CODE REQUIREMENTS

Firm Name and Address  
**Abasco Solutions**  
 P.O. BOX 2246  
 LYNNWOOD, WA 98036  
 PH: 425.771.1166  
 FAX: 425.771.4422  
 www.abscosolutions.com

Project Name and Address  
**COASTAL PACIFIC FOOD DIST. FREEZER EXPANSION**  
 322 VALLEY AVENUE NW  
 PUYALLUP, WA. 98371

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Designer of Record  
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 ABSCO SOLUTIONS, INC.  
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 NICET: IV # 97083

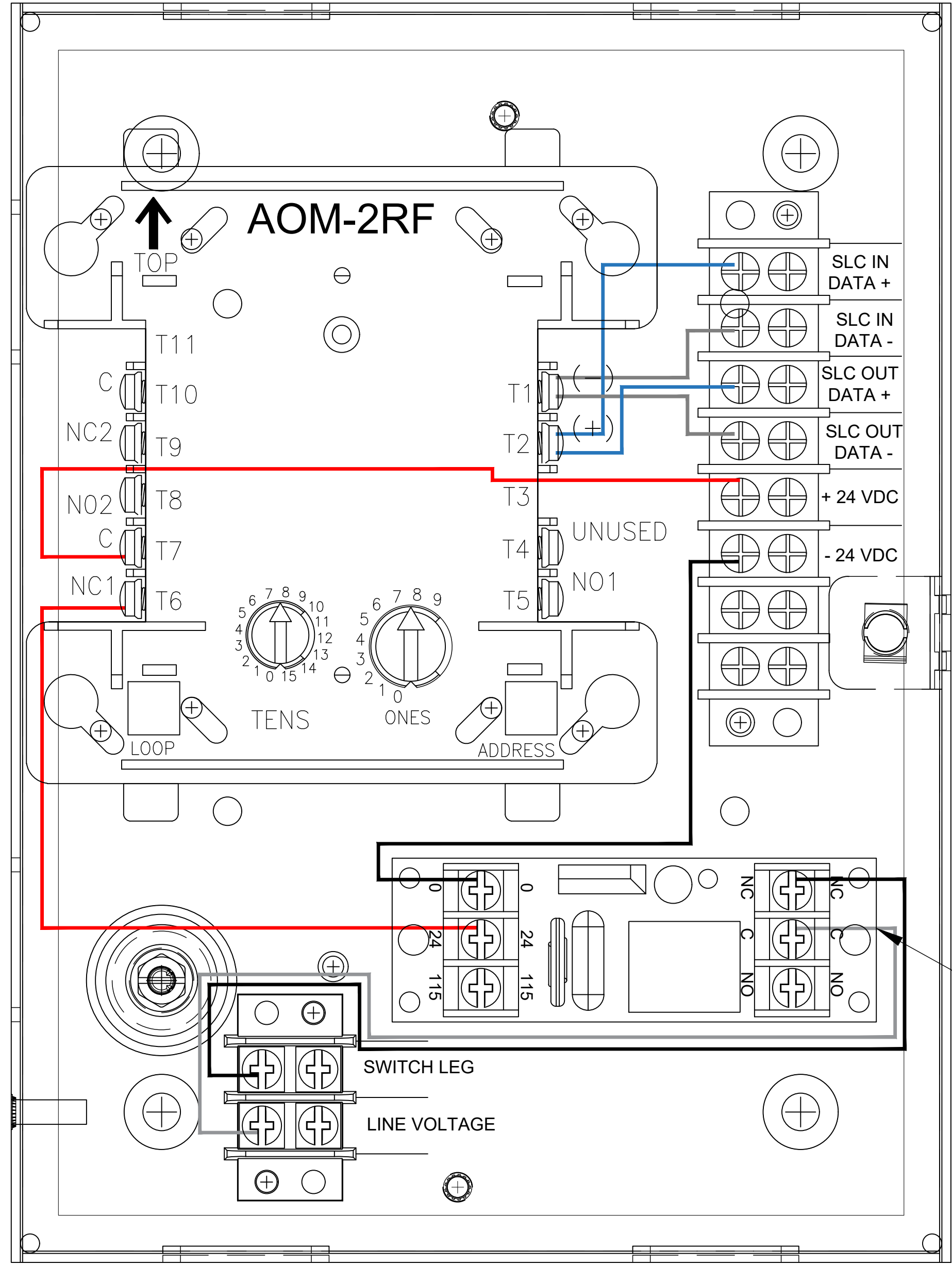
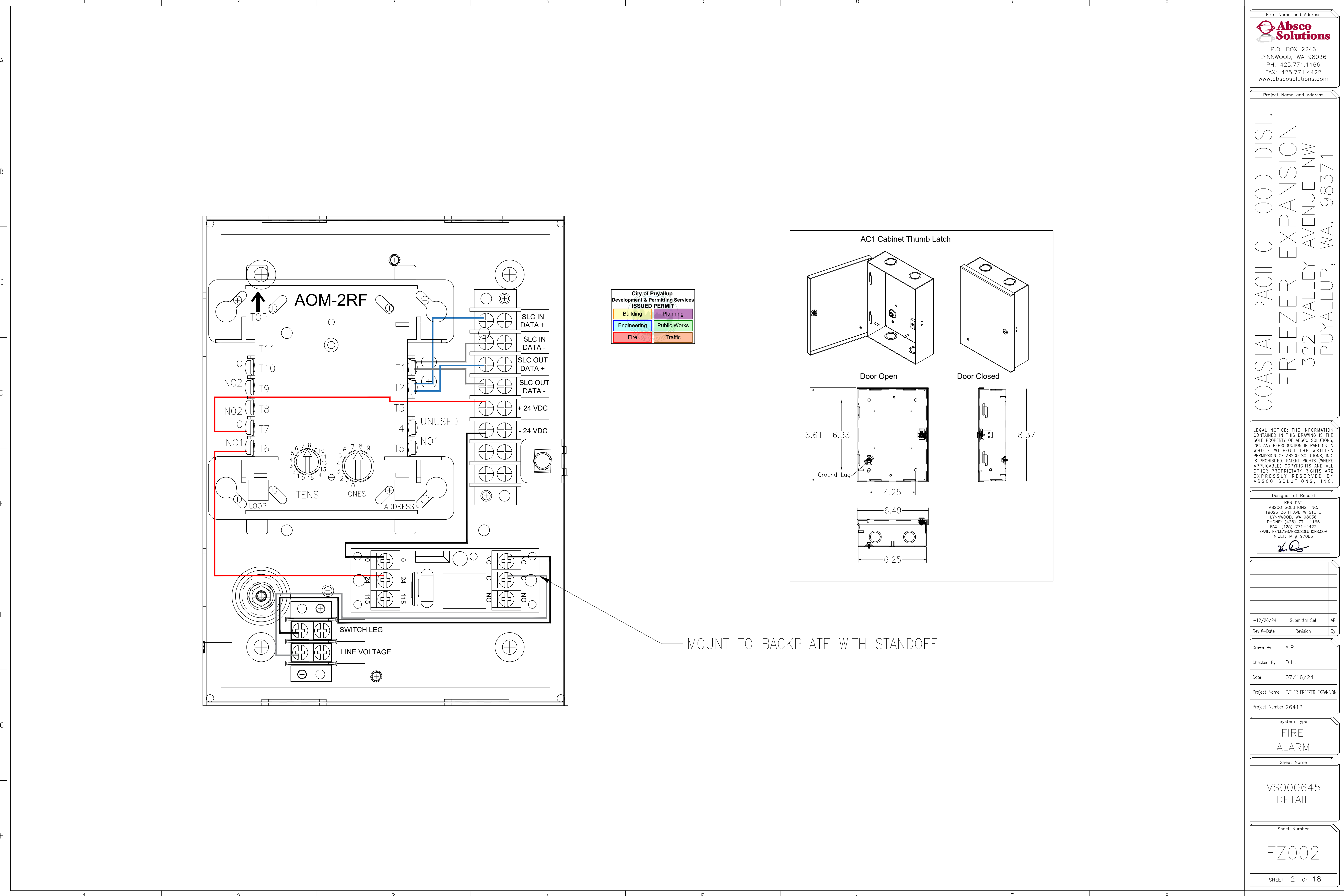
| 1-12/26/24 | Submital Set | AP       |
|------------|--------------|----------|
| Rev.#      | Date         | Revision |

Drawn By: A.P.  
 Checked By: D.H.  
 Date: 07/16/24  
 Project Name: EVELER FREEZER EXPANSION  
 Project Number: 26412

System Type  
**FIRE ALARM**

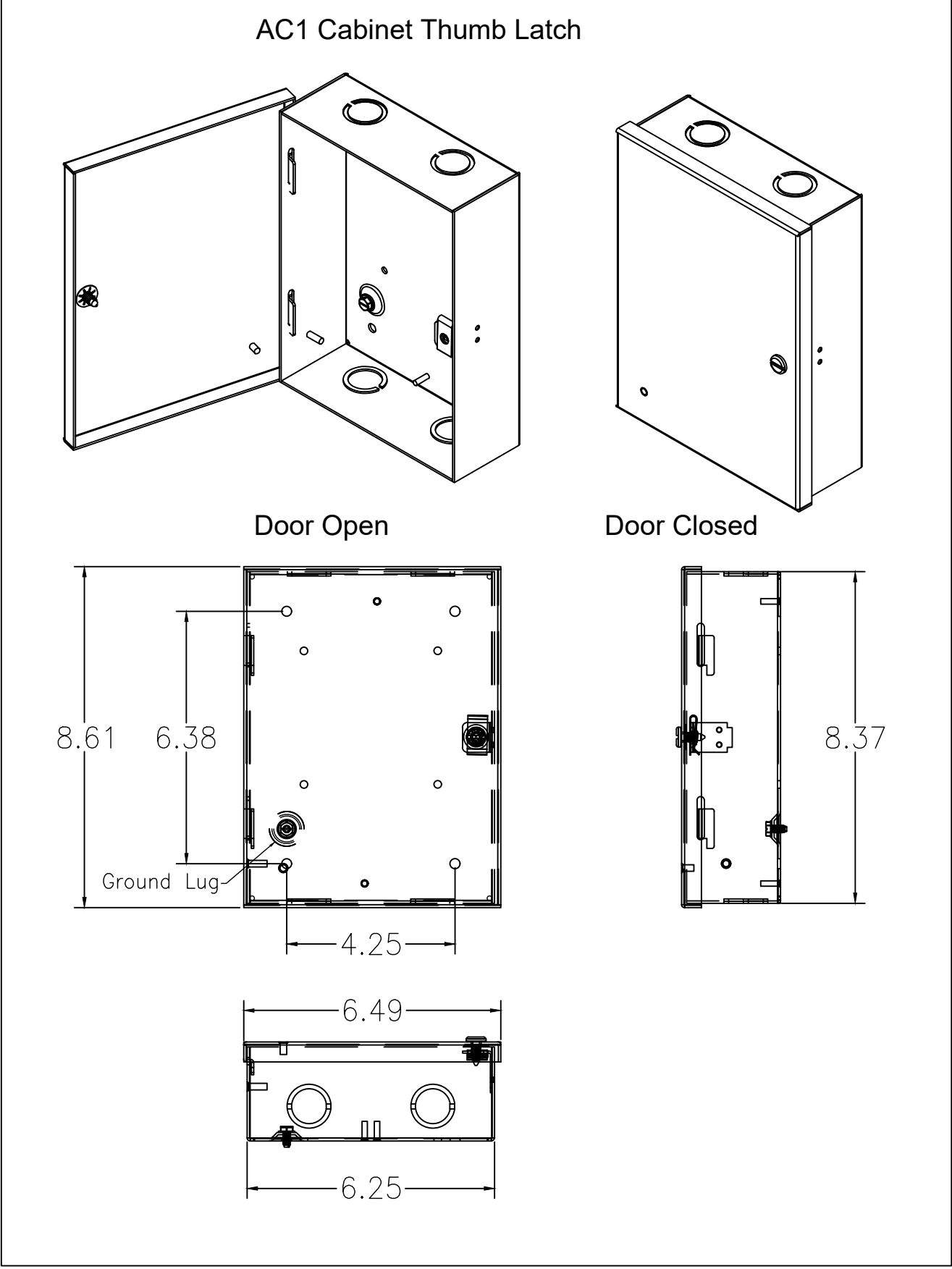
Sheet Name  
**LEGENDS, DETAILS, FIRE ALARM PLANS**

Sheet Number  
**FZ001**  
 SHEET 1 OF 18



City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

|             |              |
|-------------|--------------|
| Building    | Planning     |
| Engineering | Public Works |
| Fire        | Traffic      |



MOUNT TO BACKPLATE WITH STANDOFF

Firm Name and Address  
**Absco Solutions**  
P.O. BOX 2246  
LYNNWOOD, WA 98036  
PH: 425.771.1166  
FAX: 425.771.4422  
www.abscosolutions.com

Project Name and Address  
COASTAL PACIFIC FOOD DIST.  
FREEZER EXPANSION  
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PUYALLUP, WA. 98371

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EMAIL: KEN.DAY@ABSCOSOLUTIONS.COM  
NICET: IV # 97083

| Rev.#      | Date | Revision      | By |
|------------|------|---------------|----|
| 1-12/26/24 |      | Submittal Set | AP |

Drawn By: A.P.  
Checked By: D.H.  
Date: 07/16/24  
Project Name: EVELER FREEZER EXPANSION  
Project Number: 26412

System Type  
**FIRE ALARM**

Sheet Name  
VS000645  
DETAIL

Sheet Number  
FZ002  
SHEET 2 OF 18

| Cable/Circuit Report                                      |         |                |              |                           |          |            |   |       |             |             |
|---|---------|----------------|--------------|---------------------------|----------|------------|---|-------|-------------|-------------|
| Job number: 26412 Job name: Eveler Freezer Expansion - FA |         |                |              |                           |          |            |   |       |             |             |
| Cable Length Overage: 10.000000%                          |         |                |              |                           |          |            |   |       |             |             |
| Source  | Circuit | Circuit Type   | Wiring Style | Manufacturer              | Part No. | Type       | Description   | Gauge | Length      | Color       |
| FACP  | AUX2    | Power          | Class B      | WINDY CITY                | 767960   | Fire Alarm | 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP | #14   | 1224'-3     | Light Green |
| FACP  | C1      | Relay          | Class B      | GENESIS (HONEYWELL CABLE) | 43141004 | Fire Alarm | 14/4 SOL JKT FPLR 1M RL RED   | #14   | 3'-2        | Light Blue  |
| FACP  | SLC1    | Signaling line | Class B      | WINDY CITY                | 761360   | Fire Alarm | 16 AWG 2 CONDUCTOR BARE COPPER TWISTED NON-SHIELDED PLENUM FA FPLP  | #16   | 1773'-4 1/2 | Dark Blue   |
| RPS1  | NAC1    | Notification   | Class B      | WINDY CITY                | 767960   | Fire Alarm | 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP | #14   | 222'-5 1/2  | Red         |
| RPS1  | NAC2    | Notification   | Class B      | WINDY CITY                | 767960   | Fire Alarm | 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP | #14   | 339'-6 1/2  | Red         |
| RPS1  | NAC3    | Notification   | Class B      | WINDY CITY                | 767960   | Fire Alarm | 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP | #14   | 332'-10     | Red         |
| RPS1  | NAC4    | Notification   | Class B      | WINDY CITY                | 767960   | Fire Alarm | 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP | #14   | 407'-5 1/2  | Red         |
| RPS1  | NAC5    | Notification   | Class B      | WINDY CITY                | 767960   | Fire Alarm | 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP | #14   | 228'-0 1/2  | Red         |
| RPS2  | NAC1    | Notification   | Class B      | WINDY CITY                | 767960   | Fire Alarm | 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP | #14   | 376'-7 1/2  | Red         |
| RPS2  | NAC2    | Notification   | Class B      | WINDY CITY                | 767960   | Fire Alarm | 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP | #14   | 388'-8 1/2  | Red         |
| RPS2  | NAC3    | Notification   | Class B      | WINDY CITY                | 767960   | Fire Alarm | 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP | #14   | 393'-10 1/2 | Red         |
| RPS2  | NAC4    | Notification   | Class B      | WINDY CITY                | 767960   | Fire Alarm | 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP | #14   | 406'-2 1/2  | Red         |
| RPS2  | NAC5    | Notification   | Class B      | WINDY CITY                | 767960   | Fire Alarm | 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP | #14   | 548'-5      | Red         |
| Device[SLC1:M:002...011]                                  | ZN1     | Initiating     | Class B      | WINDY CITY                | 761360   | Fire Alarm | 16 AWG 2 CONDUCTOR BARE COPPER TWISTED NON-SHIELDED PLENUM FA FPLP  | #16   | 8'-1        | Dark Green  |
| Device[SLC1:M:014...023]                                  | ZN1     | Initiating     | Class B      | WINDY CITY                | 761360   | Fire Alarm | 16 AWG 2 CONDUCTOR BARE COPPER TWISTED NON-SHIELDED PLENUM FA FPLP  | #16   | 15'-0       | Dark Green  |
| Device[SLC1:M:025...034]                                  | ZN1     | Initiating     | Class B      | WINDY CITY                | 761360   | Fire Alarm | 16 AWG 2 CONDUCTOR BARE COPPER TWISTED NON-SHIELDED PLENUM FA FPLP  | #16   | 8'-8 1/2    | Dark Green  |

| Appliance List  |         |              |             |             |  |
|---|---------|--------------|-------------|-------------|--|
| Notification Devices                                      |         |              |             |             |  |
| Job number: 26412 Job name: Eveler Freezer Expansion - FA |         |              |             |             |  |
| Panel Name  | Circuit | Address      | Device      | Part Number | Description  |
|   | LED1    | [SLC1-S:010] | REMOTE TEST | RTS451      | REMOTE TEST STATION WITH ALARM LED                 |
|   | LED1    | [SLC1-S:012] | REMOTE TEST | RTS451      | REMOTE TEST STATION WITH ALARM LED                 |
|   | LED1    | [SLC1-S:014] | REMOTE TEST | RTS451      | REMOTE TEST STATION WITH ALARM LED                 |
|   | LED1    | [SLC1-S:016] | REMOTE TEST | RTS451      | REMOTE TEST STATION WITH ALARM LED                 |
|   | LED1    | [SLC1-S:018] | REMOTE TEST | RTS451      | REMOTE TEST STATION WITH ALARM LED                 |
|   | LED1    | [SLC1-S:020] | REMOTE TEST | RTS451      | REMOTE TEST STATION WITH ALARM LED                 |
|   | LED1    | [SLC1-S:022] | REMOTE TEST | RTS451      | REMOTE TEST STATION WITH ALARM LED                 |
|   | LED1    | [SLC1-S:024] | REMOTE TEST | RTS451      | REMOTE TEST STATION WITH ALARM LED                 |
|   | LED1    | [SLC1-S:026] | REMOTE TEST | RTS451      | REMOTE TEST STATION WITH ALARM LED                 |
|   | LED1    | [SLC1-S:028] | REMOTE TEST | RTS451      | REMOTE TEST STATION WITH ALARM LED                 |
|   | LED1    | [SLC1-S:030] | REMOTE TEST | RTS451      | REMOTE TEST STATION WITH ALARM LED                 |
|   | LED1    | [SLC1-S:032] | REMOTE TEST | RTS451      | REMOTE TEST STATION WITH ALARM LED                 |
| RPS1  | NAC1    | 001          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC1    | 002          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC1    | 003          | STROBE      | SWL         | L-SERIES STROBE, WHITE, WALL                       |
| RPS1  | NAC1    | 004          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC1    | 005          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC1    | 006          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC1    | 007          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC1    | 008          | STROBE      | SWL         | L-SERIES STROBE, WHITE, WALL                       |
| RPS1  | NAC1    | 009          | STROBE      | SWL         | L-SERIES STROBE, WHITE, WALL                       |
| RPS1  | NAC1    | 010          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC1    | 011          | STROBE      | SWL         | L-SERIES STROBE, WHITE, WALL                       |
| RPS1  | NAC1    | 012          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC1    |              | END OF LINE | EOL-4.7     | EOL-4.7K   |
| RPS1  | NAC2    | 001          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC2    | 002          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC2    | 003          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC2    | 004          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC2    | 005          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS1  | NAC2    | 006          | HORN STROBE | P2WK        | HORN STROBE, WHITE, WALL, OUTDOOR                  |
| RPS1  | NAC2    |              | END OF LINE | EOL-4.7     | EOL-4.7K   |
| RPS1  | NAC3    | 001          | BELL        | MB-G10-24-R | MOTOR BELL, 24VDC, 10 INCH, RED                    |
| RPS1  | NAC4    | 001          | BELL        | MB-G10-24-R | MOTOR BELL, 24VDC, 10 INCH, RED                    |
| RPS1  | NAC5    | 001          | STROBE      | SWL         | L-SERIES STROBE, WHITE, WALL                       |
| RPS1  | NAC5    | 002          | STROBE      | SWL         | L-SERIES STROBE, WHITE, WALL                       |
| RPS1  | NAC5    | 003          | STROBE      | SWL         | L-SERIES STROBE, WHITE, WALL                       |
| RPS1  | NAC5    |              | END OF LINE | EOL-4.7     | EOL-4.7K   |
| RPS2  | NAC1    | 001          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS2  | NAC1    | 002          | HORN STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC1    | 003          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS2  | NAC1    | 004          | STROBE      | SWL         | L-SERIES STROBE, WHITE, WALL                       |
| RPS2  | NAC1    | 005          | HORN STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC1    | 006          | HORN STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC1    | 007          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS2  | NAC1    |              | END OF LINE | EOL-4.7     | EOL-4.7K   |
| RPS2  | NAC2    | 001          | HORN/STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC2    | 002          | HORN/STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC2    | 003          | HORN/STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC2    | 004          | STROBE      | SWL         | L-SERIES STROBE, WHITE, WALL                       |
| RPS2  | NAC2    |              | END OF LINE | EOL-4.7     | EOL-4.7K   |
| RPS2  | NAC3    | 001          | HORN STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC3    | 002          | HORN STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC3    | 003          | HORN STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC3    | 004          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS2  | NAC3    |              | END OF LINE | EOL-4.7     | EOL-4.7K   |
| RPS2  | NAC4    | 001          | HORN STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC4    | 002          | HORN STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC4    | 003          | HORN STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC4    |              | END OF LINE | EOL-4.7     | EOL-4.7K   |
| RPS2  | NAC5    | 001          | HORN STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC5    | 002          | HORN STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC5    | 003          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS2  | NAC5    | 004          | STROBE      | SWL         | L-SERIES STROBE, WHITE, WALL                       |
| RPS2  | NAC5    | 005          | HORN STROBE | PC2WK       | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR |
| RPS2  | NAC5    | 006          | HORN STROBE | P2WL        | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL          |
| RPS2  | NAC5    |              | END OF LINE | EOL-4.7     | EOL-4.7K   |

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

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| Building    | Planning     |
| Engineering | Public Works |
| Fire        | Traffic      |

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P.O. BOX 2246  
LYNNWOOD, WA 98036  
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Project Name and Address  
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FREEZER EXPANSION  
322 VALLEY AVENUE NW  
PUYALLUP, WA, 98371

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| 1-12/26/24   | Submittal Set | AP |
| Rev.# - Date | Revision      | By |

|                |                          |
|----------------|--------------------------|
| Drawn By       | A.P.                     |
| Checked By     | D.H.                     |
| Date           | 07/16/24                 |
| Project Name   | EVELER FREEZER EXPANSION |
| Project Number | 26412                    |

System Type  
**FIRE ALARM**

Sheet Name  
CABLE/CIRCUIT REPORT & APPLIANCE LIST NOTIFICATION DEVICES

Sheet Number  
**FZ003**  
SHEET 3 OF 18

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| Rev.# - Date | Revision      | By |

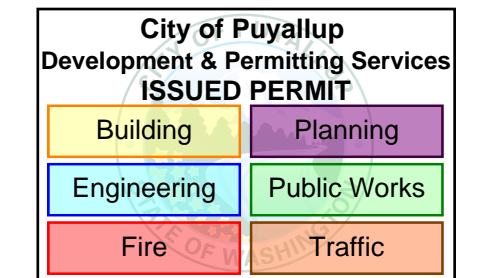
Drawn By: A.P.  
 Checked By: D.H.  
 Date: 07/16/24  
 Project Name: EVELER FREEZER EXPANSION  
 Project Number: 26412

System Type  
**FIRE ALARM**

Sheet Name  
**APPLIANCE LIST INITIATING DEVICES**

Sheet Number  
**FZ004**  
 SHEET 4 OF 18

| Appliance List Initiating Devices                         |             |                    |                          |             |   |
|---|-------------|--------------------|--------------------------|-------------|---|
| Job number: 26412 Job name: Eveler Freezer Expansion - FA |             |                    |                          |             |   |
| Panel Name  | Circuit     | Address            | Device                   | Part Number | Description   |
|   | ZN1         | [SLC1-M:002...011] | WATERFLOW SWITCH         | GWF         | GEN WATERFLOW SWITCH                                  |
|   | ZN2         | [SLC1-M:002...011] | WATERFLOW SWITCH         | GWF         | GEN WATERFLOW SWITCH                                  |
|   | ZN3         | [SLC1-M:002...011] | WATERFLOW SWITCH         | GWF         | GEN WATERFLOW SWITCH                                  |
|   | ZN4         | [SLC1-M:002...011] | WATERFLOW SWITCH         | GWF         | GEN WATERFLOW SWITCH                                  |
|   | ZN5         | [SLC1-M:002...011] | VALVE TAMPER SWITCH      | GTS         | TAMPER SWITCH   |
|   | ZN6         | [SLC1-M:002...011] | VALVE TAMPER SWITCH      | GTS         | TAMPER SWITCH   |
|   | ZN7         | [SLC1-M:002...011] | VALVE TAMPER SWITCH      | GTS         | TAMPER SWITCH   |
|   | ZN8         | [SLC1-M:002...011] | VALVE TAMPER SWITCH      | GTS         | TAMPER SWITCH   |
|   | ZN1         | [SLC1-M:014...023] | WATERFLOW SWITCH         | GWF         | GEN WATERFLOW SWITCH                                  |
|   | ZN2         | [SLC1-M:014...023] | WATERFLOW SWITCH         | GWF         | GEN WATERFLOW SWITCH                                  |
|   | ZN3         | [SLC1-M:014...023] | WATERFLOW SWITCH         | GWF         | GEN WATERFLOW SWITCH                                  |
|   | ZN4         | [SLC1-M:014...023] | WATERFLOW SWITCH         | GWF         | GEN WATERFLOW SWITCH                                  |
|   | ZN5         | [SLC1-M:014...023] | VALVE TAMPER SWITCH      | GTS         | TAMPER SWITCH   |
|   | ZN6         | [SLC1-M:014...023] | VALVE TAMPER SWITCH      | GTS         | TAMPER SWITCH   |
|   | ZN7         | [SLC1-M:014...023] | VALVE TAMPER SWITCH      | GTS         | TAMPER SWITCH   |
|   | ZN8         | [SLC1-M:014...023] | VALVE TAMPER SWITCH      | GTS         | TAMPER SWITCH   |
|   | ZN1         | [SLC1-M:025...034] | WATERFLOW SWITCH         | GWF         | GEN WATERFLOW SWITCH                                  |
|   | ZN2         | [SLC1-M:025...034] | WATERFLOW SWITCH         | GWF         | GEN WATERFLOW SWITCH                                  |
|   | ZN3         | [SLC1-M:025...034] | WATERFLOW SWITCH         | GWF         | GEN WATERFLOW SWITCH                                  |
|   | ZN4         | [SLC1-M:025...034] | WATERFLOW SWITCH         | GWF         | GEN WATERFLOW SWITCH                                  |
|   | ZN5         | [SLC1-M:025...034] | VALVE TAMPER SWITCH      | GTS         | TAMPER SWITCH   |
|   | ZN6         | [SLC1-M:025...034] | VALVE TAMPER SWITCH      | GTS         | TAMPER SWITCH   |
|   | ZN7         | [SLC1-M:025...034] | VALVE TAMPER SWITCH      | GTS         | TAMPER SWITCH   |
|   | ZN8         | [SLC1-M:025...034] | VALVE TAMPER SWITCH      | GTS         | TAMPER SWITCH   |
| FACP  | AUX2 / SLC1 | B:001 / SLC1-S:007 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | B:002 / SLC1-S:033 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | B:003 / SLC1-S:036 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | B:004 / SLC1-S:037 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | B:005 / SLC1-S:039 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | B:006 / SLC1-S:040 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | B:007 / SLC1-S:041 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | B:008 / SLC1-S:042 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | B:009 / SLC1-S:043 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | B:010 / SLC1-S:044 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | B:011 / SLC1-S:045 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | B:012 / SLC1-S:046 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | B:013 / SLC1-S:047 | BEAM DETECTOR            | ABD-RT2F    | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR |
| FACP  | AUX2 / SLC1 | M:024 / REL:014    | CONTROL MODULE           | AOM-2RF     | OUTPUT RELAY CONTROL MODULE, ADDRESSABLE              |
| FACP  | SLC1        | M:001              | ADDRESSABLE PULL STATION | MS-7AF      | PULL STATION, DOUBLE ACTION, ADDRESSABLE              |
| FACP  | SLC1        | M:002...011        | MULTI-INPUT MODULE       | MMI-10F     | MONITOR MODULE, 10 CIRCUIT, ADDRESSABLE               |
| FACP  | SLC1        | M:012              | ADDRESSABLE PULL STATION | MS-7AF      | PULL STATION, DOUBLE ACTION, ADDRESSABLE              |
| FACP  | SLC1        | M:013              | ADDRESSABLE PULL STATION | MS-7AF      | PULL STATION, DOUBLE ACTION, ADDRESSABLE              |
| FACP  | SLC1        | M:014...023        | MULTI-INPUT MODULE       | MMI-10F     | MONITOR MODULE, 10 CIRCUIT, ADDRESSABLE               |
| FACP  | SLC1        | M:025...034        | MULTI-INPUT MODULE       | MMI-10F     | MONITOR MODULE, 10 CIRCUIT, ADDRESSABLE               |
| FACP  | SLC1        | S:001              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:002              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:003              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:004              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:005              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:006              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:008              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:009              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:010              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:011              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:012              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:013              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:014              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:015              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:016              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:017              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:018              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:019              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:020              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:021              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:022              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:023              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:024              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:025              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:026              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:027              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:028              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:029              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:030              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:031              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:032              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:034              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:035              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:038              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:048              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:049              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:050              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:051              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |
| FACP  | SLC1        | S:052              | PHOTOELECTRIC DETECTOR   | ASD-PL3     | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  |



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|------------|--------------|----|
| 1-12/26/24 | Submital Set | AP |
| Rev.#-Date | Revision     | By |

Drawn By: A.P.  
 Checked By: D.H.  
 Date: 07/16/24  
 Project Name: EVELER FREEZER EXPANSION  
 Project Number: 26412

System Type  
**FIRE ALARM**

Sheet Name  
**FACP REPORTS**

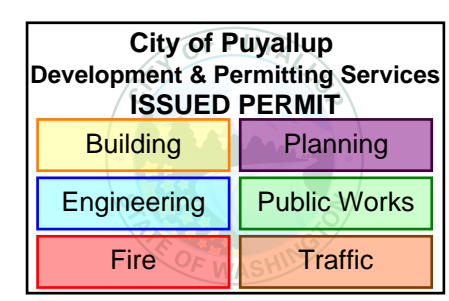
Sheet Number  
**FZ005**  
 SHEET 5 OF 18

**Battery Calculations for Panel: FACP**

Part No:E3-CLSS-KIT-V, BLACK  
 Job number: 26412 Job name: Eveler Freezer Expansion - FA

| Part No.                     | Qty. | Description  | Standby           | Total Standby | Alarm                     | Total Alarm       |
|------------------------------|------|--|-------------------|---------------|---------------------------|-------------------|
| <b>Panel Equipment</b>       |      |  |                   |               |                           |                   |
| ILI-MB-E3                    | 1    | ILI - MAIN BOARD, (VELOCITI OR CLIP MODE)                              | 81.0000mA         | 81.0000mA     | 150.0000mA                | 150.0000mA        |
| PM-9                         | 1    | POWER SUPPLY MODULE - 9-AMP  | 50.0000mA         | 50.0000mA     | 50.0000mA                 | 50.0000mA         |
| ASM-16                       | 1    | PROGRAMMABLE SWITCH MODULE, 16 SW, 48 LED                              | 11.0000mA         | 11.0000mA     | 155.0000mA                | 155.0000mA        |
| NGA-LCD                      | 1    | NGA-LCD NETWORK GRAPHIC ANNUNCIATOR                                    | 200.0000mA        | 200.0000mA    | 200.0000mA                | 200.0000mA        |
| <b>Total Panel Stby</b>      |      |  | <b>342.0000mA</b> |               | <b>Total Panel Alarm</b>  | <b>555.0000mA</b> |
| <b>Peripheral Devices</b>    |      |  |                   |               |                           |                   |
| ASD-PL3                      | 39   | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE (Signaling line)                  | 0.2000mA          | 7.8000mA      | 3.2000mA                  | 124.8000mA        |
| ABD-RT2F                     | 13   | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR (Signaling line) | 2.0000mA          | 26.0000mA     | 8.5000mA                  | 110.5000mA        |
| ABD-RT2F                     | 13   | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR (Power)          | 0.5000mA          | 6.5000mA      | 0.5000mA                  | 6.5000mA          |
| MS-7AF                       | 3    | PULL STATION, DOUBLE ACTION, ADDRESSABLE (Signaling line)              | 0.3000mA          | 0.9000mA      | 3.0000mA                  | 9.0000mA          |
| AOM-2RF                      | 1    | OUTPUT RELAY CONTROL MODULE, ADDRESSABLE (Signaling line)              | 0.3750mA          | 0.3750mA      | 6.5000mA                  | 6.5000mA          |
| MMI-10F                      | 3    | MONITOR MODULE, 10 CIRCUIT, ADDRESSABLE (Signaling line)               | 3.5000mA          | 10.5000mA     | 60.0000mA                 | 180.0000mA        |
| RTS451                       | 12   | REMOTE TEST STATION WITH ALARM LED (LED)                               | 0.0000mA          | 0.0000mA      | 0.0000mA                  | 0.0000mA          |
| GTS                          | 12   | TAMPER SWITCH (Initiating)   | 0.0000mA          | 0.0000mA      | 0.0000mA                  | 0.0000mA          |
| GWF                          | 12   | WATERFLOW SWITCH (Initiating)  | 0.0000mA          | 0.0000mA      | 0.0000mA                  | 0.0000mA          |
| <b>Total Peripheral Stby</b> |      |  | <b>52.0750mA</b>  |               | <b>Total Periph Alarm</b> | <b>437.3000mA</b> |
| <b>Total Standby Amps</b>    |      |  | <b>394.0750mA</b> |               | <b>Total Alarm Amps</b>   | <b>992.3000mA</b> |

Standby time: 24 Hrs 9.458Ah  
 Alarm time: 5 Min 0.083Ah  
 Battery requirement: 9.54Ah  
 Compensation Factors - Standby: 1.2 Alarm: 1.2 Requirement with compensation: 11.449Ah



**Circuit Calculations Panel: FACP Card: E3-CLSS-KIT-V Circuit:SLC1**

Circuit Name: SLC1  
 Circuit Type: Signaling line/FCI - SLC, VELOCITY Terminal Voltage: 20.4V:DC Amperage: 1.0000A  
 Cable: 16 AWG 2 CONDUCTOR BARE COPPER TWISTED NON-SHIELDED PLENUM FA FPLP #16  
 Calculations based on Running Total Length.  
 Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 18%

| Device      | Part No  | Appliance Desc  | Distance    | Current   | Voltage  | Voltage Drop |
|-------------|----------|---|-------------|-----------|----------|--------------|
| M:001       | MS-7AF   | PULL STATION, DOUBLE ACTION, ADDRESSABLE              | 177'-10 1/2 | 45.5750mA | 20.392V  | (0.0007V)    |
| M:002...011 | MMI-10F  | MONITOR MODULE, 10 CIRCUIT, ADDRESSABLE               | 14'-6 1/2   | 0.3000mA  | 20.3846V | (0.0001V)    |
| M:012       | MS-7AF   | PULL STATION, DOUBLE ACTION, ADDRESSABLE              | 22'-6 1/2   | 0.3000mA  | 20.3817V | (0.0069V)    |
| M:013       | MS-7AF   | PULL STATION, DOUBLE ACTION, ADDRESSABLE              | 13'-8 1/2   | 0.3000mA  | 20.3251V | (0.0036V)    |
| M:014...023 | MMI-10F  | MONITOR MODULE, 10 CIRCUIT, (6 CLASS A), ADDRESSABLE  | 133'-3      | 3.5000mA  | 20.2493V | (0.0085V)    |
| M:024       | AOM-2RF  | OUTPUT RELAY CONTROL MODULE, ADDRESSABLE              | 255'-0 1/2  | 0.3750mA  | 20.2407V | (0.0085V)    |
| M:025...034 | MMI-10F  | MONITOR MODULE, 10 CIRCUIT, ADDRESSABLE               | 136'-9 1/2  | 3.5000mA  | 20.2366V | (0.0041V)    |
| S:001       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 7'-1 1/2    | 0.2000mA  | 20.3974V | (0.0026V)    |
| S:002       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 11'-11 1/2  | 0.2000mA  | 20.3968V | (0.006V)     |
| S:003       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 26'-2       | 0.2000mA  | 20.3953V | (0.0014V)    |
| S:004       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 19'-10 1/2  | 0.2000mA  | 20.3943V | (0.001V)     |
| S:005       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 16'-9 1/2   | 0.2000mA  | 20.3934V | (0.0008V)    |
| S:006       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 14'-10      | 0.2000mA  | 20.3927V | (0.0007V)    |
| S:007       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 67'-3       | 2.0000mA  | 20.3889V | (0.0031V)    |
| S:008       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 137'-3      | 0.2000mA  | 20.3847V | (0.0042V)    |
| S:009       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 28'-7 1/2   | 0.2000mA  | 20.3886V | (0.0088V)    |
| S:010       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 2'-2 1/2    | 0.2000mA  | 20.3886V | (0V)         |
| S:011       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 10'-7       | 0.2000mA  | 20.3786V | (0.0031V)    |
| S:012       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 2'-7 1/2    | 0.2000mA  | 20.3786V | (0V)         |
| S:013       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 28'-3       | 0.2000mA  | 20.3701V | (0.0086V)    |
| S:014       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 8'-9 1/2    | 0.2000mA  | 20.3701V | (0V)         |
| S:015       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 17'-6 1/2   | 0.2000mA  | 20.3649V | (0.0051V)    |
| S:016       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 4'-9        | 0.2000mA  | 20.3649V | (0V)         |
| S:017       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 18'-8       | 0.2000mA  | 20.3596V | (0.0054V)    |
| S:018       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 1'-9        | 0.2000mA  | 20.3595V | (0V)         |
| S:019       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 14'-6 1/2   | 0.2000mA  | 20.3554V | (0.0041V)    |
| S:020       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 3'-3        | 0.2000mA  | 20.3554V | (0V)         |
| S:021       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 15'-0       | 0.2000mA  | 20.3513V | (0.0041V)    |
| S:022       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 4'-1        | 0.2000mA  | 20.3513V | (0V)         |
| S:023       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 8'-9 1/2    | 0.2000mA  | 20.349V  | (0.0023V)    |
| S:024       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 3'-2        | 0.2000mA  | 20.349V  | (0V)         |
| S:025       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 19'-10 1/2  | 0.2000mA  | 20.3436V | (0.0054V)    |
| S:026       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 7'-10 1/2   | 0.2000mA  | 20.3436V | (0V)         |
| S:027       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 19'-5       | 0.2000mA  | 20.3382V | (0.0054V)    |
| S:028       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 2'-4        | 0.2000mA  | 20.3382V | (0V)         |
| S:029       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 34'-7 1/2   | 0.2000mA  | 20.3287V | (0.0095V)    |
| S:030       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 7'-0        | 0.2000mA  | 20.3287V | (0V)         |
| S:031       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 16'-4 1/2   | 0.2000mA  | 20.3208V | (0.0043V)    |
| S:032       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 1'-11 1/2   | 0.2000mA  | 20.3208V | (0V)         |
| S:033       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 17'-2 1/2   | 2.0000mA  | 20.3163V | (0.0045V)    |
| S:034       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 16'-11 1/2  | 0.2000mA  | 20.3123V | (0.004V)     |
| S:035       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 28'-11 1/2  | 0.2000mA  | 20.3054V | (0.0069V)    |
| S:036       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 36'-1       | 2.0000mA  | 20.2965V | (0.0088V)    |
| S:037       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 33'-0 1/2   | 2.0000mA  | 20.289V  | (0.0076V)    |
| S:038       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 20'-1       | 0.2000mA  | 20.2847V | (0.0043V)    |
| S:039       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 16'-4 1/2   | 2.0000mA  | 20.2813V | (0.0034V)    |
| S:040       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 28'-2 1/2   | 2.0000mA  | 20.2759V | (0.0055V)    |
| S:041       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 23'-6 1/2   | 2.0000mA  | 20.2718V | (0.0041V)    |
| S:042       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 28'-1 1/2   | 2.0000mA  | 20.2672V | (0.0045V)    |
| S:043       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 24'-1 1/2   | 2.0000mA  | 20.2637V | (0.0035V)    |
| S:044       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 19'-6 1/2   | 2.0000mA  | 20.2631V | (0.0006V)    |
| S:045       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 24'-5 1/2   | 2.0000mA  | 20.2627V | (0.0004V)    |
| S:046       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 32'-5 1/2   | 2.0000mA  | 20.2606V | (0.0031V)    |
| S:047       | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 35'-4       | 2.0000mA  | 20.2578V | (0.0028V)    |
| S:048       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 4'-4 1/2    | 0.2000mA  | 20.2492V | (0.0001V)    |
| S:049       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 11'-2       | 0.2000mA  | 20.2365V | (0V)         |
| S:050       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 27'-6       | 0.2000mA  | 20.325V  | (0.0001V)    |
| S:051       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 94'-5       | 0.2000mA  | 20.3247V | (0.0003V)    |
| S:052       | ASD-PL3  | PHOTO, SMOKE, DETECTOR, BRIGHT WHITE                  | 93'-5       | 0.2000mA  | 20.3245V | (0.0002V)    |

Total Current: 45.5750mA  
 (Total VDrop Percent:0.80%) Total Voltage Drop : 0.1635V

**Circuit Calculations Panel: FACP Card: E3-CLSS-KIT-V Circuit:AUX2**

Circuit Name: AUX2  
 Circuit Type: Power/Resettable Terminal Voltage: 20.4V:DC Amperage: 1.7500A  
 Cable: 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP #14  
 Calculations based on Running Total Length.  
 Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 18%

| Device                             | Part No  | Appliance Desc  | Distance        | Current  | Voltage                             | Voltage Drop |
|------------------------------------|----------|---|-----------------|----------|-------------------------------------|--------------|
| B:001                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 171'-4 1/2      | 0.5000mA | 20.3993V                            | (0.0004V)    |
| B:002                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 292'-11 1/2     | 0.5000mA | 20.3912V                            | (0.0088V)    |
| B:003                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 82'-0           | 0.5000mA | 20.389V                             | (0.0023V)    |
| B:004                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 33'-0 1/2       | 0.5000mA | 20.3881V                            | (0.0008V)    |
| B:005                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 36'-5           | 0.5000mA | 20.3873V                            | (0.0008V)    |
| B:006                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 28'-2 1/2       | 0.5000mA | 20.3867V                            | (0.0006V)    |
| B:007                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 23'-6 1/2       | 0.5000mA | 20.3863V                            | (0.0004V)    |
| B:008                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 28'-1 1/2       | 0.5000mA | 20.3859V                            | (0.0004V)    |
| B:009                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 24'-1 1/2       | 0.5000mA | 20.3856V                            | (0.0003V)    |
| B:010                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 19'-6 1/2       | 0.5000mA | 20.3855V                            | (0.0001V)    |
| B:011                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 24'-5 1/2       | 0.5000mA | 20.3854V                            | (0.0001V)    |
| B:012                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 32'-5 1/2       | 0.5000mA | 20.3854V                            | (0.0002V)    |
| B:013                              | ABD-RT2F | BEAM DETECTOR WITH REMOTE TEST FEATURE WITH REFLECTOR | 35'-4           | 0.5000mA | 20.3853V                            | (0.0001V)    |
| REL:014                            | AOM-2RF  | OUTPUT RELAY CONTROL MODULE, ADDRESSABLE              | 392'-8 1/2      | 0.0000mA | 20.3853V                            | (0V)         |
| <b>Total Current:</b>              |          |   | <b>6.5000mA</b> |          |                                     |              |
| <b>(Total VDrop Percent:0.07%)</b> |          |   |                 |          | <b>Total Voltage Drop : 0.0147V</b> |              |

| Battery Calculations for Panel: RPS1  |      |   |                       |               |                    |             |
|---|------|---|-----------------------|---------------|--------------------|-------------|
| Part No:HPF-PS10B - 10AMP, 120VAC REMOTE CHARGER POWER SUPPLY BLACK ENCLOSURE |      |   |                       |               |                    |             |
| Job number: 26412 Job name: Eveler Freezer Expansion - FA                     |      |   |                       |               |                    |             |
| Part No.  | Qty. | Description   | Standby               | Total Standby | Alarm              | Total Alarm |
| Panel Equipment   |      |   |                       |               |                    |             |
| HPF-PS10B_MB  | 1    | MAINBOARD FOR THE HPF-PS10B   | 156.0000mA            | 156.0000mA    | 185.0000mA         | 185.0000mA  |
| Peripheral Devices  |      |   |                       |               |                    |             |
| P2WL  | 4    | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL (Notification) 15CD 88dB  | 0.0000mA              | 0.0000mA      | 53.0000mA          | 212.0000mA  |
| P2WL  | 3    | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL (Notification) 30CD 88dB  | 0.0000mA              | 0.0000mA      | 73.0000mA          | 219.0000mA  |
| P2WL  | 5    | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL (Notification) 75CD 88dB  | 0.0000mA              | 0.0000mA      | 119.0000mA         | 595.0000mA  |
| P2WL  | 1    | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL (Notification) 110CD 88dB | 0.0000mA              | 0.0000mA      | 164.0000mA         | 164.0000mA  |
| P2WK  | 1    | HORN STROBE, WHITE, WALL, OUTDOOR (Notification) 75CD 84dB          | 0.0000mA              | 0.0000mA      | 176.0000mA         | 176.0000mA  |
| SWL   | 6    | L-SERIES STROBE, WHITE, WALL (Notification) 15CD                    | 0.0000mA              | 0.0000mA      | 43.0000mA          | 258.0000mA  |
| SWL   | 1    | L-SERIES STROBE, WHITE, WALL (Notification) 30CD                    | 0.0000mA              | 0.0000mA      | 63.0000mA          | 63.0000mA   |
| MB-G10-24-R   | 2    | MOTOR BELL, 24VDC, 10 INCH, RED (Notification) 92dB                 | 0.0000mA              | 0.0000mA      | 30.0000mA          | 60.0000mA   |
| EOL-4.7   | 3    | EOL-4.7K (Notification)   | 0.0000mA              | 0.0000mA      | 0.0000mA           | 0.0000mA    |
|   |      |   | Total Peripheral Stby | 0.0000mA      | Total Periph Alarm | 1747.0000mA |
|   |      |   | Total Standby Amps    | 156.0000mA    | Total Alarm Amps   | 1932.0000mA |
|   |      |   | Standby time: 24 Hrs  |               | 3.744Ah            |             |
|   |      |   | Alarm time: 5 Min     |               | 0.161Ah            |             |
|   |      |   | Battery requirement:  |               | 3.905Ah            |             |
| Compensation Factors - Standby: 1.2 Alarm: 1.2 Requirement with compensation: |      |   |                       |               | 4.686Ah            |             |

| City of Puyallup<br>Development & Permitting Services<br>ISSUED PERMIT |              |
|--|--------------|
| Building   | Planning     |
| Engineering  | Public Works |
| Fire   | Traffic      |

| Circuit Calculations Panel: RPS1 Card: HPF-PS10B Circuit:NAC1                  |           |   |            |                             |                             |              |
|--|-----------|---|------------|-----------------------------|-----------------------------|--------------|
| Circuit Name: NAC1   |           |   |            |                             |                             |              |
| Circuit Type: Notification Terminal Voltage: 20.4V:DC Amperage: 3.0000A        |           |   |            |                             |                             |              |
| Cable: 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP #14 |           |   |            |                             |                             |              |
| Calculations based on Running Total Length.                                    |           |   |            |                             |                             |              |
| Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 18%   |           |   |            |                             |                             |              |
| Device   | Part No   | Appliance Desc                                  | Distance   | Current                     | Voltage                     | Voltage Drop |
|  | HPF-PS10B | Panel   |            |                             | 20.4V                       |              |
| 001  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 15CD | 5'-8       | 53.0000mA                   | 20.3814V                    | (0.0186V)    |
| 002  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 30CD | 19'-0      | 73.0000mA                   | 20.3161V                    | (0.0653V)    |
| 003  | SWL       | L-SERIES STROBE, WHITE, WALL, 15CD              | 12'-9 1/2  | 43.0000mA                   | 20.2793V                    | (0.0368V)    |
| 004  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 75CD | 36'-4 1/2  | 119.0000mA                  | 20.177V                     | (0.1023V)    |
| 005  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 30CD | 38'-11 1/2 | 73.0000mA                   | 20.0923V                    | (0.0848V)    |
| 006  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 30CD | 23'-10 1/2 | 73.0000mA                   | 20.0496V                    | (0.0427V)    |
| 007  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 15CD | 15'-11     | 53.0000mA                   | 20.0274V                    | (0.0222V)    |
| 008  | SWL       | L-SERIES STROBE, WHITE, WALL, 15CD              | 16'-4 1/2  | 43.0000mA                   | 20.008V                     | (0.0193V)    |
| 009  | SWL       | L-SERIES STROBE, WHITE, WALL, 15CD              | 17'-0 1/2  | 43.0000mA                   | 19.9913V                    | (0.0168V)    |
| 010  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 15CD | 8'-2       | 53.0000mA                   | 19.9851V                    | (0.0061V)    |
| 011  | SWL       | L-SERIES STROBE, WHITE, WALL, 15CD              | 11'-2 1/2  | 43.0000mA                   | 19.9797V                    | (0.0054V)    |
| 012  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 15CD | 10'-5 1/2  | 53.0000mA                   | 19.977V                     | (0.0027V)    |
|  | EOL-4.7   | EOL-4.7K  | 1'-11      | 0.0000mA                    | 19.977V                     | (0V)         |
|  |           |   | 217'-9     | 722.0000mA                  |                             |              |
|  |           |   |            | Total Current: 722.0000mA   |                             |              |
|  |           |   |            | (Total VDrop Percent:2.07%) | Total Voltage Drop : 0.423V |              |

| Circuit Calculations Panel: RPS1 Card: HPF-PS10B Circuit:NAC3                  |             |                                 |             |                             |                              |              |
|--|-------------|---------------------------------|-------------|-----------------------------|------------------------------|--------------|
| Circuit Name: NAC3   |             |                                 |             |                             |                              |              |
| Circuit Type: Notification Terminal Voltage: 20.4V:DC Amperage: 3.0000A        |             |                                 |             |                             |                              |              |
| Cable: 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP #14 |             |                                 |             |                             |                              |              |
| Calculations based on Running Total Length.                                    |             |                                 |             |                             |                              |              |
| Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 18%   |             |                                 |             |                             |                              |              |
| Device   | Part No     | Appliance Desc                  | Distance    | Current                     | Voltage                      | Voltage Drop |
|  | HPF-PS10B   | Panel                           |             |                             | 20.4V                        |              |
| 001  | MB-G10-24-R | MOTOR BELL, 24VDC, 10 INCH, RED | 231'-10 1/2 | 30.0000mA                   | 20.3644V                     | (0.0356V)    |
|  |             |                                 | 231'-10 1/2 | 30.0000mA                   |                              |              |
|  |             |                                 |             | Total Current: 30.0000mA    |                              |              |
|  |             |                                 |             | (Total VDrop Percent:0.17%) | Total Voltage Drop : 0.0356V |              |

| Circuit Calculations Panel: RPS1 Card: HPF-PS10B Circuit:NAC4                  |             |                                 |            |                             |                              |              |
|--|-------------|---------------------------------|------------|-----------------------------|------------------------------|--------------|
| Circuit Name: NAC4   |             |                                 |            |                             |                              |              |
| Circuit Type: Notification Terminal Voltage: 20.4V:DC Amperage: 3.0000A        |             |                                 |            |                             |                              |              |
| Cable: 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP #14 |             |                                 |            |                             |                              |              |
| Calculations based on Running Total Length.                                    |             |                                 |            |                             |                              |              |
| Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 18%   |             |                                 |            |                             |                              |              |
| Device   | Part No     | Appliance Desc                  | Distance   | Current                     | Voltage                      | Voltage Drop |
|  | HPF-PS10B   | Panel                           |            |                             | 20.4V                        |              |
| 001  | MB-G10-24-R | MOTOR BELL, 24VDC, 10 INCH, RED | 407'-5 1/2 | 30.0000mA                   | 20.3372V                     | (0.0628V)    |
|  |             |                                 | 407'-5 1/2 | 30.0000mA                   |                              |              |
|  |             |                                 |            | Total Current: 30.0000mA    |                              |              |
|  |             |                                 |            | (Total VDrop Percent:0.31%) | Total Voltage Drop : 0.0628V |              |

| Circuit Calculations Panel: RPS1 Card: HPF-PS10B Circuit:NAC2                  |           |  |            |                             |                              |              |
|--|-----------|--|------------|-----------------------------|------------------------------|--------------|
| Circuit Name: NAC2   |           |  |            |                             |                              |              |
| Circuit Type: Notification Terminal Voltage: 20.4V:DC Amperage: 3.0000A        |           |  |            |                             |                              |              |
| Cable: 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP #14 |           |  |            |                             |                              |              |
| Calculations based on Running Total Length.                                    |           |  |            |                             |                              |              |
| Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 18%   |           |  |            |                             |                              |              |
| Device   | Part No   | Appliance Desc                                   | Distance   | Current                     | Voltage                      | Voltage Drop |
|  | HPF-PS10B | Panel  |            |                             | 20.4V                        |              |
| 001  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 75CD  | 54'-1 1/2  | 119.0000mA                  | 20.1735V                     | (0.2265V)    |
| 002  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 75CD  | 64'-0 1/2  | 119.0000mA                  | 19.9442V                     | (0.2293V)    |
| 003  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 110CD | 99'-10     | 164.0000mA                  | 19.6501V                     | (0.2941V)    |
| 004  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 75CD  | 42'-6      | 119.0000mA                  | 19.5607V                     | (0.0894V)    |
| 005  | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 75CD  | 41'-1 1/2  | 119.0000mA                  | 19.4986V                     | (0.0622V)    |
| 006  | P2WK      | HORN STROBE, WHITE, WALL, OUTDOOR, 75CD          | 34'-8 1/2  | 176.0000mA                  | 19.4678V                     | (0.0308V)    |
|  | EOL-4.7   | EOL-4.7K   | 3'-3       | 0.0000mA                    | 19.4678V                     | (0V)         |
|  |           |  | 339'-6 1/2 | 816.0000mA                  |                              |              |
|  |           |  |            | Total Current: 816.0000mA   |                              |              |
|  |           |  |            | (Total VDrop Percent:4.57%) | Total Voltage Drop : 0.9322V |              |

| Circuit Calculations Panel: RPS1 Card: HPF-PS10B Circuit:NAC5                  |           |                                    |            |                             |                              |              |
|--|-----------|------------------------------------|------------|-----------------------------|------------------------------|--------------|
| Circuit Name: NAC5   |           |                                    |            |                             |                              |              |
| Circuit Type: Notification Terminal Voltage: 20.4V:DC Amperage: 3.0000A        |           |                                    |            |                             |                              |              |
| Cable: 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELDED PLENUM FA FPLP #14 |           |                                    |            |                             |                              |              |
| Calculations based on Running Total Length.                                    |           |                                    |            |                             |                              |              |
| Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 18%   |           |                                    |            |                             |                              |              |
| Device   | Part No   | Appliance Desc                     | Distance   | Current                     | Voltage                      | Voltage Drop |
|  | HPF-PS10B | Panel                              |            |                             | 20.4V                        |              |
| 001  | SWL       | L-SERIES STROBE, WHITE, WALL, 30CD | 27'-6      | 63.0000mA                   | 20.3793V                     | (0.0207V)    |
| 002  | SWL       | L-SERIES STROBE, WHITE, WALL, 15CD | 99'-7      | 43.0000mA                   | 20.3356V                     | (0.0438V)    |
| 003  | SWL       | L-SERIES STROBE, WHITE, WALL, 15CD | 97'-6      | 43.0000mA                   | 20.3141V                     | (0.0214V)    |
|  | EOL-4.7   | EOL-4.7K                           | 3'-5 1/2   | 0.0000mA                    | 20.3141V                     | (0V)         |
|  |           |                                    | 228'-0 1/2 | 149.0000mA                  |                              |              |
|  |           |                                    |            | Total Current: 149.0000mA   |                              |              |
|  |           |                                    |            | (Total VDrop Percent:0.42%) | Total Voltage Drop : 0.0859V |              |

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Project Name and Address  
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| Rev.#      | Date | Revision      | By |
|------------|------|---------------|----|
| 1-12/26/24 |      | Submittal Set | AP |

Drawn By: A.P.  
 Checked By: D.H.  
 Date: 07/16/24  
 Project Name: EVELER FREEZER EXPANSION  
 Project Number: 26412

System Type  
**FIRE ALARM**

Sheet Name  
**RPS1 REPORTS**

Sheet Number  
**FZ006**  
 SHEET 6 OF 18

**Battery Calculations for Panel: RPS2**

Part No: HPF-PS10B - 10AMP, 120VAC REMOTE CHARGER POWER SUPPLY BLACK ENCLOSURE

Job number: 26412 Job name: Eveler Freezer Expansion - FA

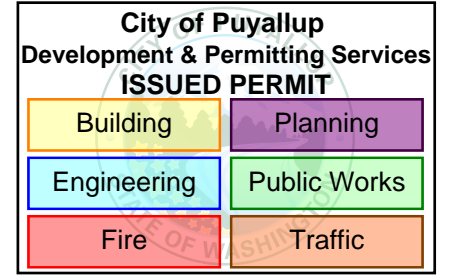
| Part No.              | Qty. | Description  | Standby    | Total Standby | Alarm              | Total Alarm |
|-----------------------|------|--|------------|---------------|--------------------|-------------|
| HPF-PS10B_MB          | 1    | Panel Equipment<br>MAINBOARD FOR THE HPF-PS10B                               | 156.0000mA | 156.0000mA    | 185.0000mA         | 185.0000mA  |
| Total Panel Stby      |      |  | 156.0000mA | 156.0000mA    | Total Panel Alarm  | 185.0000mA  |
| Peripheral Devices    |      |  |            |               |                    |             |
| P2WL                  | 5    | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL (Notification) 75CD 88dB           | 0.0000mA   | 0.0000mA      | 119.0000mA         | 595.0000mA  |
| P2WL                  | 1    | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL (Notification) 110CD 88dB          | 0.0000mA   | 0.0000mA      | 164.0000mA         | 164.0000mA  |
| PC2WK                 | 15   | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR (Notification) 115CD 84dB | 0.0000mA   | 0.0000mA      | 218.0000mA         | 3270.0000mA |
| SWL                   | 3    | L-SERIES STROBE, WHITE, WALL (Notification) 15CD                             | 0.0000mA   | 0.0000mA      | 43.0000mA          | 129.0000mA  |
| EOL-4.7               | 5    | EOL-4.7K (Notification)  | 0.0000mA   | 0.0000mA      | 0.0000mA           | 0.0000mA    |
| Total Peripheral Stby |      |  | 0.0000mA   | 0.0000mA      | Total Periph Alarm | 4158.0000mA |
| Total Standby Amps    |      |  | 156.0000mA | 156.0000mA    | Total Alarm Amps   | 4343.0000mA |

Standby time: 24 Hrs 3.744Ah  
Alarm time: 5 Min 0.362Ah  
Battery requirement: 4.106Ah  
Compensation Factors - Standby: 1.2 Alarm: 1.2 Requirement with compensation: 4.927Ah

**Circuit Calculations Panel: RPS2 Card: HPF-PS10B Circuit: NAC3**

Circuit Name: NAC3  
Circuit Type: Notification Terminal Voltage: 20.4V:DC Amperage: 3.0000A  
Cable: 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELED PLENUM FA FPLP #14  
Calculations based on Running Total Length.  
Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 18%

| Device | Part No   | Appliance Desc  | Distance    | Current    | Voltage                      | Voltage Drop                 |
|--------|-----------|---|-------------|------------|------------------------------|------------------------------|
|        | HPF-PS10B | Panel   |             |            | 20.4V                        |                              |
| 001    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 178'-10 1/2 | 218.0000mA | 19.6928V                     | (0.7072V)                    |
| 002    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 83'-11 1/2  | 218.0000mA | 19.456V                      | (0.2368V)                    |
| 003    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 75'-8 1/2   | 218.0000mA | 19.3261V                     | (0.1299V)                    |
| 004    | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 75CD           | 50'-8 1/2   | 119.0000mA | 19.2955V                     | (0.0306V)                    |
|        | EOL-4.7   | EOL-4.7K  | 4'-8        | 0.0000mA   | 19.2955V                     | (0V)                         |
|        |           |   | 393'-10 1/2 | 773.0000mA |                              |                              |
|        |           |   |             |            | Total Current: 773.0000mA    |                              |
|        |           |   |             |            | (Total VDrop Percent: 5.41%) | Total Voltage Drop : 1.1045V |



**Circuit Calculations Panel: RPS2 Card: HPF-PS10B Circuit: NAC1**

Circuit Name: NAC1  
Circuit Type: Notification Terminal Voltage: 20.4V:DC Amperage: 3.0000A  
Cable: 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELED PLENUM FA FPLP #14  
Calculations based on Running Total Length.  
Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 18%

| Device | Part No   | Appliance Desc  | Distance   | Current     | Voltage                      | Voltage Drop                 |
|--------|-----------|---|------------|-------------|------------------------------|------------------------------|
|        | HPF-PS10B | Panel   |            |             | 20.4V                        |                              |
| 001    | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 110CD          | 75'-3 1/2  | 164.0000mA  | 19.9753V                     | (0.4237V)                    |
| 002    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 67'-4 1/2  | 218.0000mA  | 19.6543V                     | (0.322V)                     |
| 003    | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 75CD           | 84'-6 1/2  | 119.0000mA  | 19.3448V                     | (0.3096V)                    |
| 004    | SWL       | L-SERIES STROBE, WHITE, WALL, 15CD                        | 14'-3 1/2  | 43.0000mA   | 19.3017V                     | (0.043V)                     |
| 005    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 16'-6      | 218.0000mA  | 19.2561V                     | (0.0456V)                    |
| 006    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 75'-8 1/2  | 218.0000mA  | 19.1262V                     | (0.1299V)                    |
| 007    | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 75CD           | 41'-0 1/2  | 119.0000mA  | 19.1011V                     | (0.0251V)                    |
|        | EOL-4.7   | EOL-4.7K  | 1'-11      | 0.0000mA    | 19.1011V                     | (0V)                         |
|        |           |   | 376'-7 1/2 | 1099.0000mA |                              |                              |
|        |           |   |            |             | Total Current: 1099.0000mA   |                              |
|        |           |   |            |             | (Total VDrop Percent: 6.37%) | Total Voltage Drop : 1.2989V |

**Circuit Calculations Panel: RPS2 Card: HPF-PS10B Circuit: NAC4**

Circuit Name: NAC4  
Circuit Type: Notification Terminal Voltage: 20.4V:DC Amperage: 3.0000A  
Cable: 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELED PLENUM FA FPLP #14  
Calculations based on Running Total Length.  
Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 18%

| Device | Part No   | Appliance Desc  | Distance   | Current    | Voltage                      | Voltage Drop                 |
|--------|-----------|---|------------|------------|------------------------------|------------------------------|
|        | HPF-PS10B | Panel   |            |            | 20.4V                        |                              |
| 001    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 241'-4     | 218.0000mA | 19.5899V                     | (0.8101V)                    |
| 002    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 83'-11 1/2 | 218.0000mA | 19.4039V                     | (0.186V)                     |
| 003    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 75'-8 1/2  | 218.0000mA | 19.3198V                     | (0.084V)                     |
|        | EOL-4.7   | EOL-4.7K  | 5'-3       | 0.0000mA   | 19.3198V                     | (0V)                         |
|        |           |   | 406'-2 1/2 | 654.0000mA |                              |                              |
|        |           |   |            |            | Total Current: 654.0000mA    |                              |
|        |           |   |            |            | (Total VDrop Percent: 5.30%) | Total Voltage Drop : 1.0802V |

**Circuit Calculations Panel: RPS2 Card: HPF-PS10B Circuit: NAC2**

Circuit Name: NAC2  
Circuit Type: Notification Terminal Voltage: 20.4V:DC Amperage: 3.0000A  
Cable: 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELED PLENUM FA FPLP #14  
Calculations based on Running Total Length.  
Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 18%

| Device | Part No   | Appliance Desc  | Distance   | Current    | Voltage                      | Voltage Drop                 |
|--------|-----------|---|------------|------------|------------------------------|------------------------------|
|        | HPF-PS10B | Panel   |            |            | 20.4V                        |                              |
| 001    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 115'-11    | 218.0000mA | 19.988V                      | (0.412V)                     |
| 002    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 83'-11 1/2 | 218.0000mA | 19.7837V                     | (0.2044V)                    |
| 003    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 75'-8 1/2  | 218.0000mA | 19.683V                      | (0.1006V)                    |
| 004    | SWL       | L-SERIES STROBE, WHITE, WALL, 15CD                        | 111'-1     | 43.0000mA  | 19.6585V                     | (0.0245V)                    |
|        | EOL-4.7   | EOL-4.7K  | 2'-1       | 0.0000mA   | 19.6585V                     | (0V)                         |
|        |           |   | 388'-8 1/2 | 697.0000mA |                              |                              |
|        |           |   |            |            | Total Current: 697.0000mA    |                              |
|        |           |   |            |            | (Total VDrop Percent: 3.63%) | Total Voltage Drop : 0.7415V |

**Circuit Calculations Panel: RPS2 Card: HPF-PS10B Circuit: NAC5**

Circuit Name: NAC5  
Circuit Type: Notification Terminal Voltage: 20.4V:DC Amperage: 3.0000A  
Cable: 14 AWG 2 CONDUCTOR BARE COPPER, TWISTED NON-SHIELED PLENUM FA FPLP #14  
Calculations based on Running Total Length.  
Design Criteria: Ambient temperature: 167°F Max. operating voltage drop: 18%

| Device | Part No   | Appliance Desc  | Distance   | Current    | Voltage                      | Voltage Drop                 |
|--------|-----------|---|------------|------------|------------------------------|------------------------------|
|        | HPF-PS10B | Panel   |            |            | 20.4V                        |                              |
| 001    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 303'-2     | 218.0000mA | 18.9438V                     | (1.4562V)                    |
| 002    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 83'-11 1/2 | 218.0000mA | 18.6379V                     | (0.3059V)                    |
| 003    | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 75CD           | 14'-0 1/2  | 119.0000mA | 18.602V                      | (0.0359V)                    |
| 004    | SWL       | L-SERIES STROBE, WHITE, WALL, 15CD                        | 13'-10 1/2 | 43.0000mA  | 18.5766V                     | (0.0254V)                    |
| 005    | PC2WK     | HORN STROBE, WHITE, CEILING, WEATHERPROOF, OUTDOOR, 115CD | 89'-3      | 218.0000mA | 18.4225V                     | (0.1542V)                    |
| 006    | P2WL      | L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL, 75CD           | 41'-1 1/2  | 119.0000mA | 18.3974V                     | (0.0251V)                    |
|        | EOL-4.7   | EOL-4.7K  | 3'-0       | 0.0000mA   | 18.3974V                     | (0V)                         |
|        |           |   | 548'-5     | 935.0000mA |                              |                              |
|        |           |   |            |            | Total Current: 935.0000mA    |                              |
|        |           |   |            |            | (Total VDrop Percent: 9.82%) | Total Voltage Drop : 2.0026V |

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|            |              |          |
|------------|--------------|----------|
| 1-12/26/24 | Submital Set | AP       |
| Rev.#      | Date         | Revision |

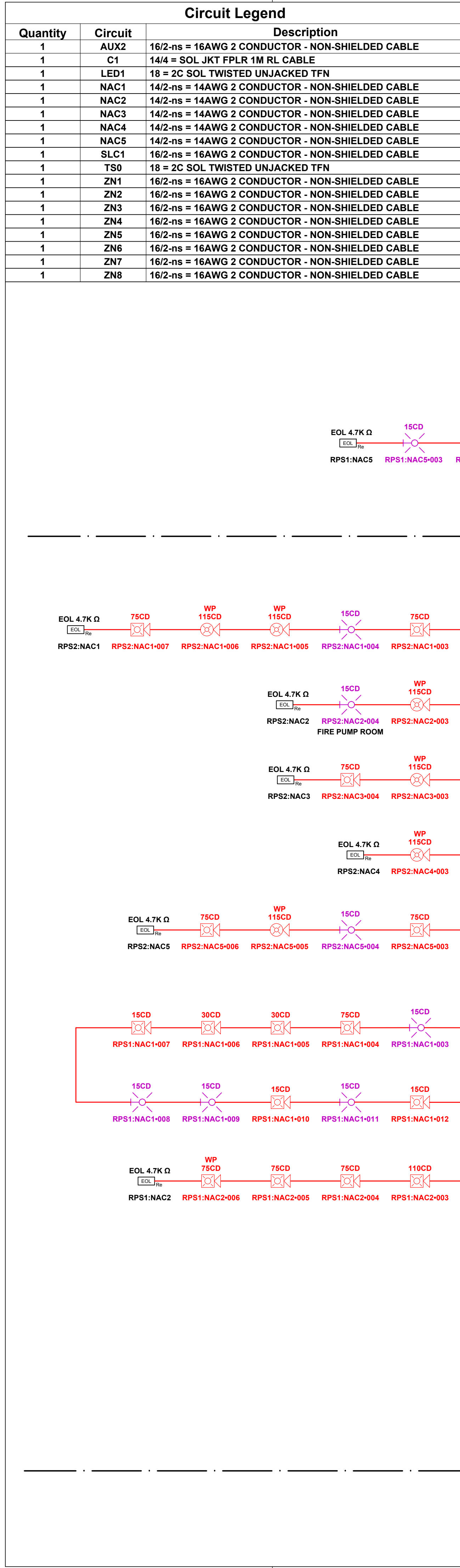
Drawn By: A.P.  
Checked By: D.H.  
Date: 07/16/24  
Project Name: EVELER FREEZER EXPANSION  
Project Number: 26412

System Type  
**FIRE ALARM**

Sheet Name  
**RPS2 REPORTS**

Sheet Number  
**FZ007**  
SHEET 7 OF 18

| Quantity | Circuit | Description                                       |
|----------|---------|---|
| 1        | AUX2    | 16/2-ins = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | C1      | 14/4 = SOL JKT FPLR 1M RL CABLE                   |
| 1        | LED1    | 18 = 2C SOL TWISTED UNJACKED TFN                  |
| 1        | NAC1    | 14/2-ins = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | NAC2    | 14/2-ins = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | NAC3    | 14/2-ins = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | NAC4    | 14/2-ins = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | NAC5    | 14/2-ins = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | SLC1    | 16/2-ins = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | TS0     | 18 = 2C SOL TWISTED UNJACKED TFN                  |
| 1        | ZN1     | 16/2-ins = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | ZN2     | 16/2-ins = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | ZN3     | 16/2-ins = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | ZN4     | 16/2-ins = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | ZN5     | 16/2-ins = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | ZN6     | 16/2-ins = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | ZN7     | 16/2-ins = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | ZN8     | 16/2-ins = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |



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322 VALLEY AVENUE, NW  
PUYALLUP, WA, 98371

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NICET: IV # 97083

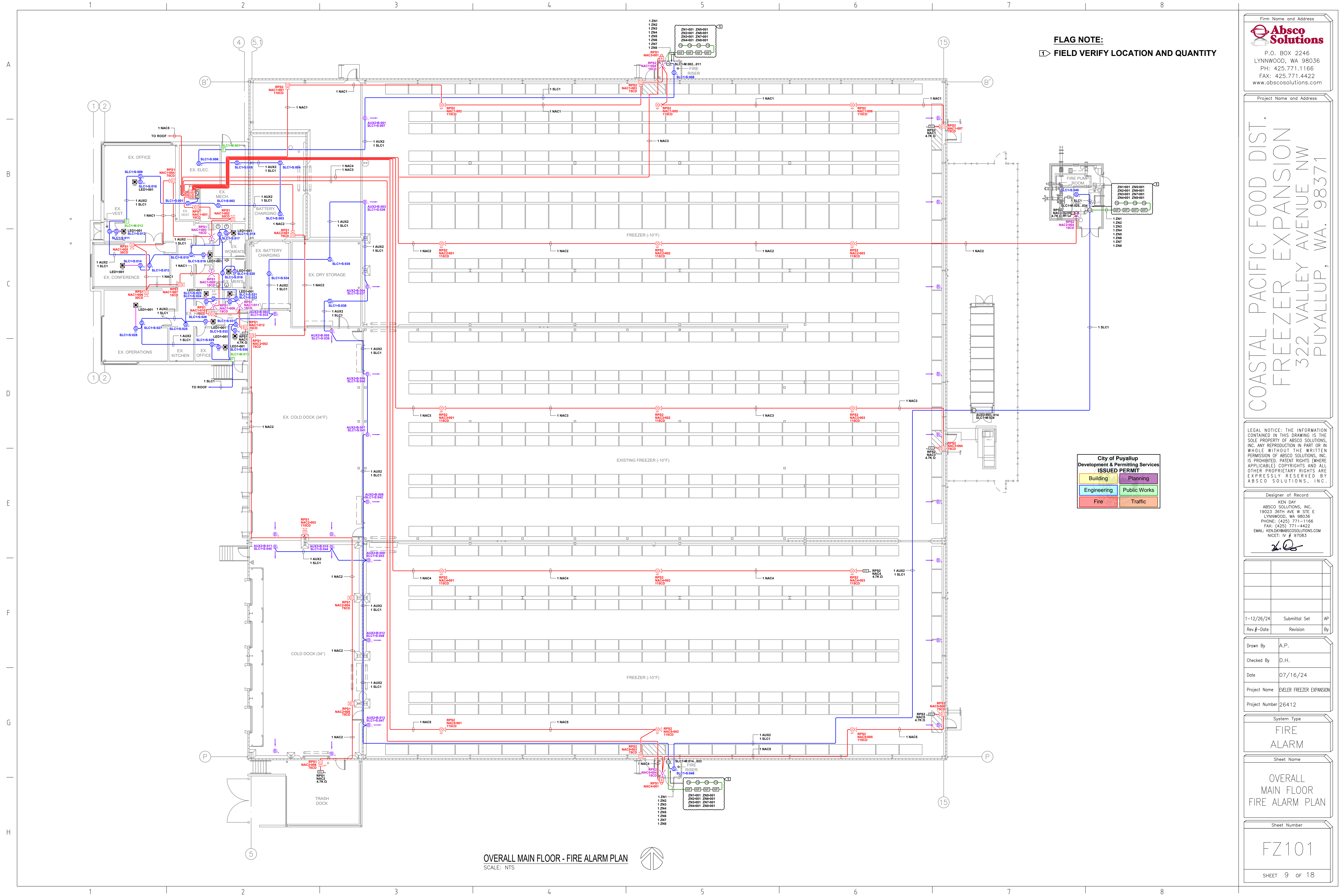
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| 1-12/26/24 | Submital Set | AP |
| Rev.#-Date | Revision     | By |

Drawn By: A.P.  
Checked By: D.H.  
Date: 07/16/24  
Project Name: EVELER FREEZER EXPANSION  
Project Number: 26412

System Type  
**FIRE ALARM**

Sheet Name  
**FIRE ALARM RISER**

Sheet Number  
**FZ008**  
SHEET 8 OF 18



**FLAG NOTE:**  
 1 FIELD VERIFY LOCATION AND QUANTITY

City of Puyallup  
 Development & Permitting Services  
**ISSUED PERMIT**

|             |              |
|-------------|--------------|
| Building    | Planning     |
| Engineering | Public Works |
| Fire        | Traffic      |

Firm Name and Address  
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 FAX: 425.771.4422  
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Project Name and Address  
**COASTAL PACIFIC FOOD DIST.**  
**FREEZER EXPANSION**  
 322 VALLEY AVENUE NW  
 PUYALLUP, WA. 98371

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|            |               |          |
|------------|---------------|----------|
| 1-12/26/24 | Submittal Set | AP       |
| Rev.#      | Date          | Revision |

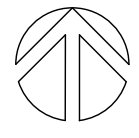
Drawn By: A.P.  
 Checked By: D.H.  
 Date: 07/16/24  
 Project Name: EVELER FREEZER EXPANSION  
 Project Number: 26412

System Type  
**FIRE ALARM**

Sheet Name  
**OVERALL MAIN FLOOR FIRE ALARM PLAN**

Sheet Number  
**FZ101**  
 SHEET 9 OF 18

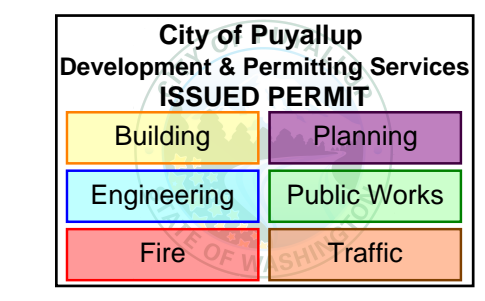
**OVERALL MAIN FLOOR - FIRE ALARM PLAN**  
 SCALE: NTS



| Circuit Legend |         |  |
|----------------|---------|--|
| Quantity       | Circuit | Description                                      |
| 1              | AUX2    | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC1    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC2    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC3    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC4    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC5    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | SLC1    | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |

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Project Name and Address  
**COASTAL PACIFIC FOOD DIST.  
 FREEZER EXPANSION**  
 322 VALLEY AVENUE, NW  
 PUYALLUP, WA. 98371



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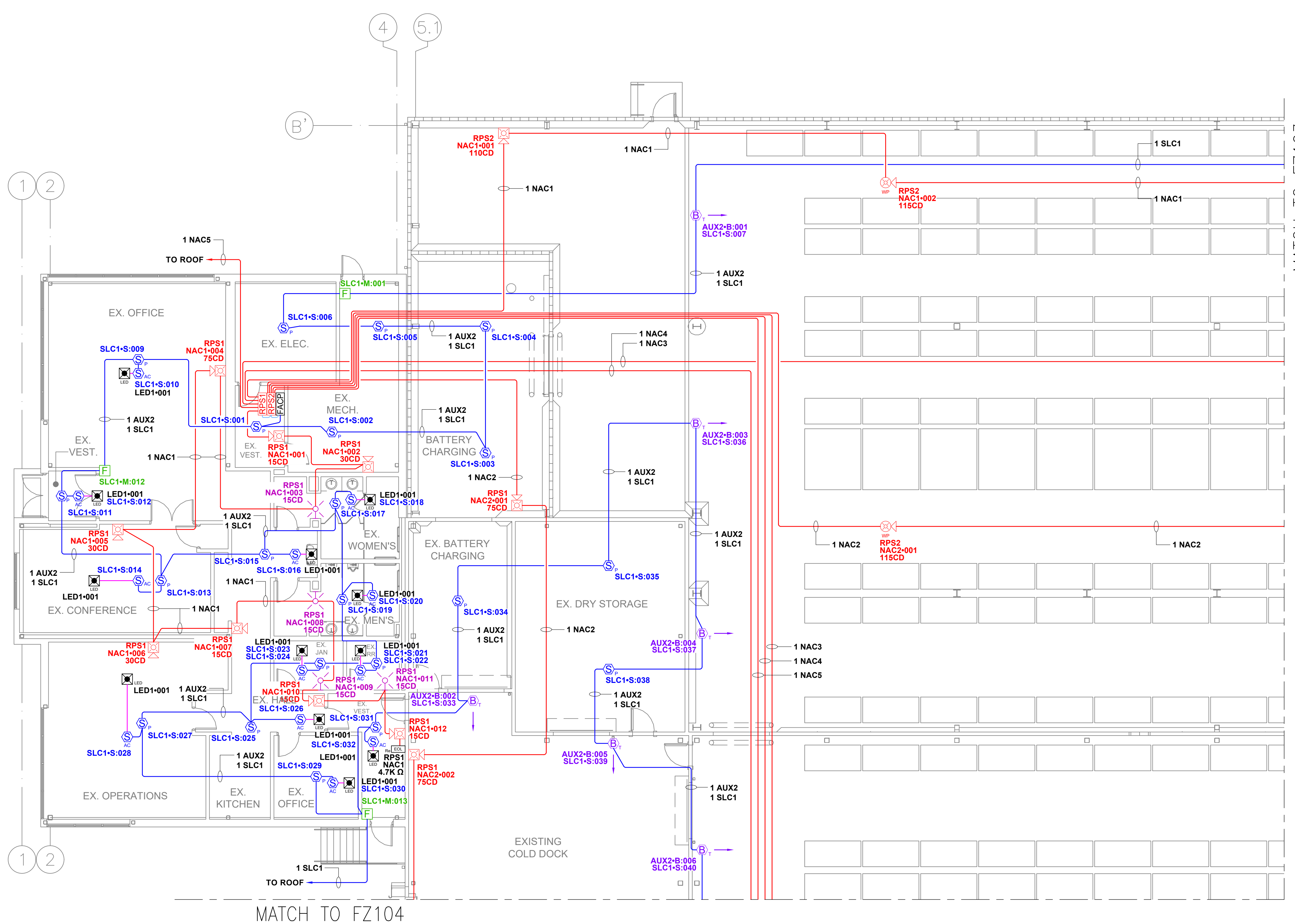
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|------------|---------------|----------|
| 1-12/26/24 | Submittal Set | AP       |
| Rev.#      | Date          | Revision |

|                |                          |
|----------------|--------------------------|
| Drawn By       | A.P.                     |
| Checked By     | D.H.                     |
| Date           | 07/16/24                 |
| Project Name   | EVELER FREEZER EXPANSION |
| Project Number | 26412                    |

System Type  
**FIRE ALARM**

Sheet Name  
**MAIN FLOOR AREA A FIRE ALARM PLAN**

Sheet Number  
**FZ102**  
 SHEET 10 OF 18

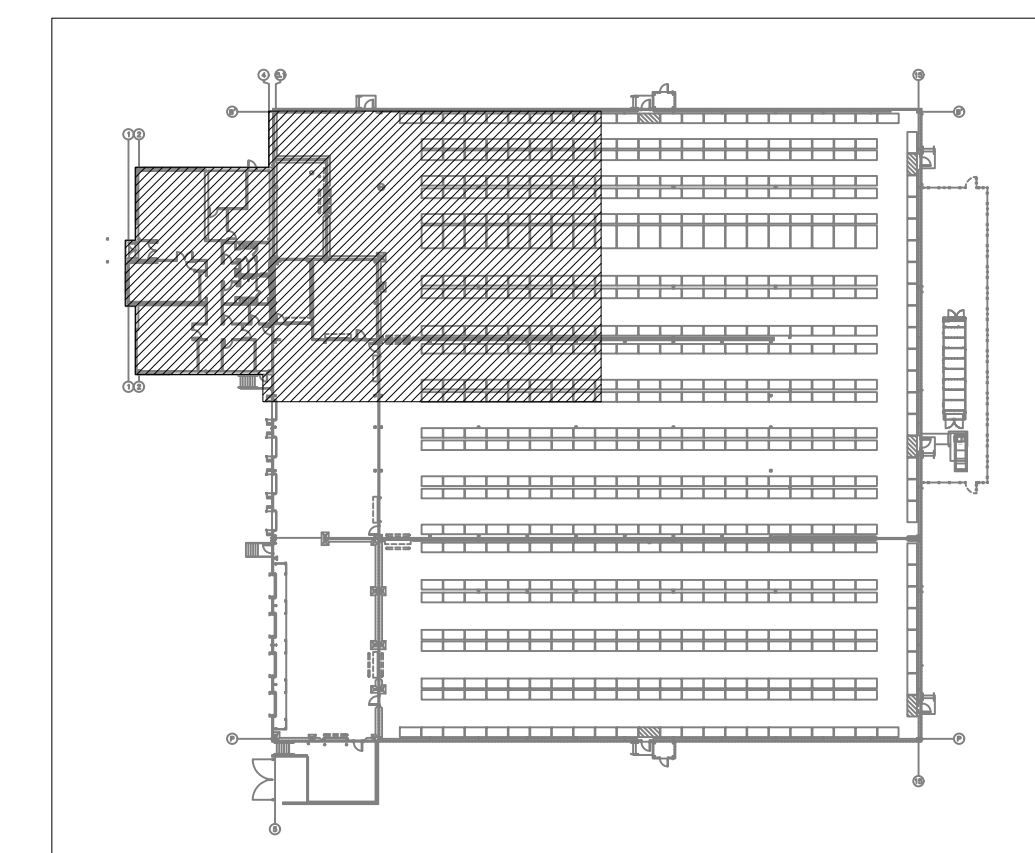
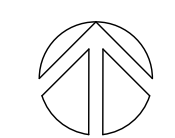
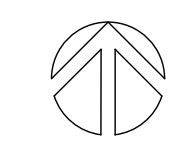


MATCH TO FZ104

MATCH TO FZ103

**MAIN FLOOR - AREA A FIRE ALARM PLAN**  
 SCALE: 1/8"=1'0"

**KEY PLAN**  
 SCALE: NOT TO SCALE



| Circuit Legend |         |  |
|----------------|---------|--|
| Quantity       | Circuit | Description                                      |
| 1              | NAC1    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC2    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | SLC1    | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN1     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN2     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN3     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN4     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN5     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN6     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN7     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN8     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |

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Project Name and Address  
**COASTAL PACIFIC FOOD DIST.**  
**FREEZER EXPANSION**  
 322 VALLEY AVENUE, NW  
 PUYALLUP, WA. 98371

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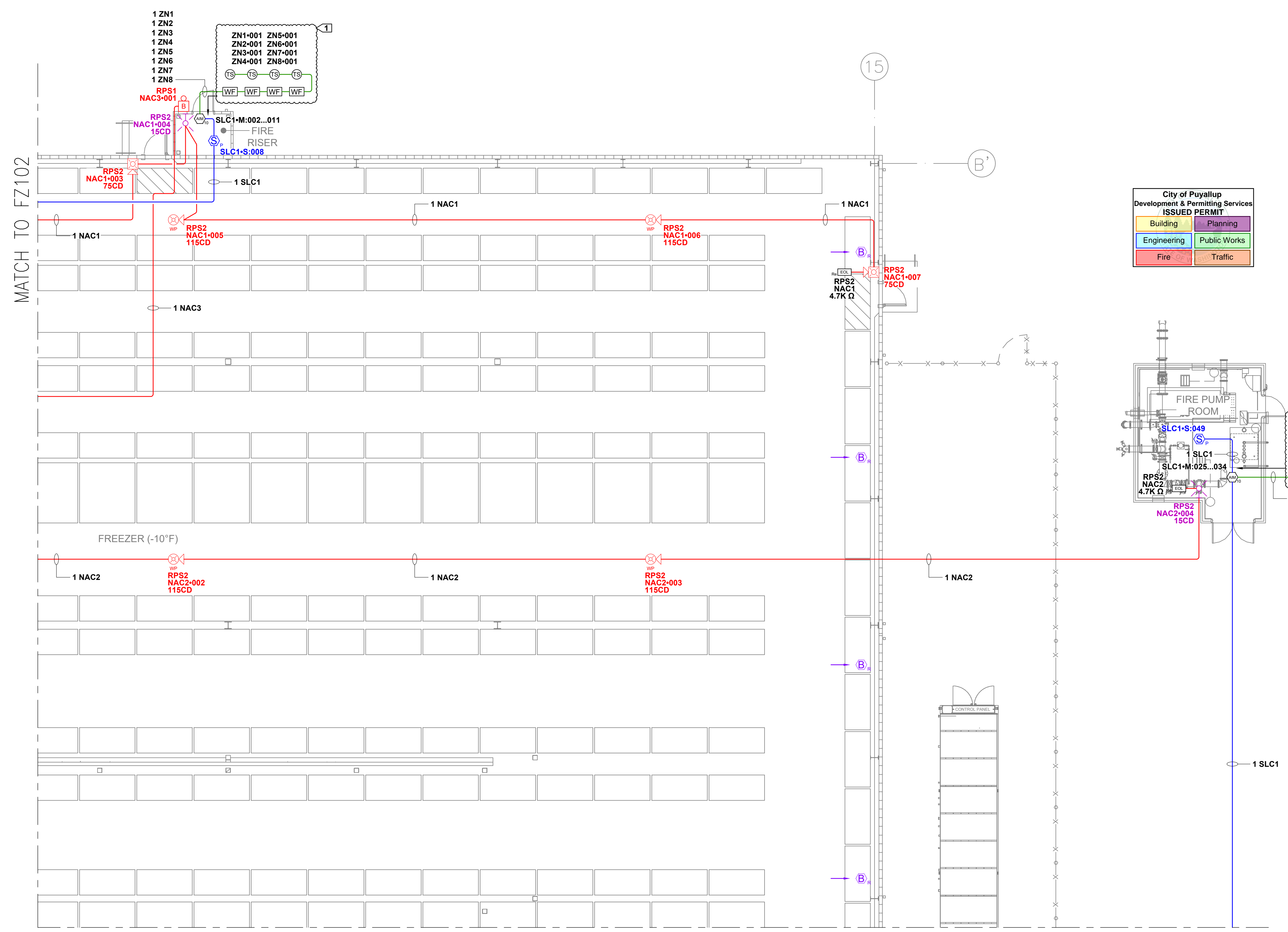
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|------------|------|---------------|----|
| 1-12/26/24 |      | Submittal Set | AP |

Drawn By: A.P.  
 Checked By: D.H.  
 Date: 07/16/24  
 Project Name: EVELER FREEZER EXPANSION  
 Project Number: 26412

System Type  
**FIRE ALARM**

Sheet Name  
**MAIN FLOOR AREA B FIRE ALARM PLAN**

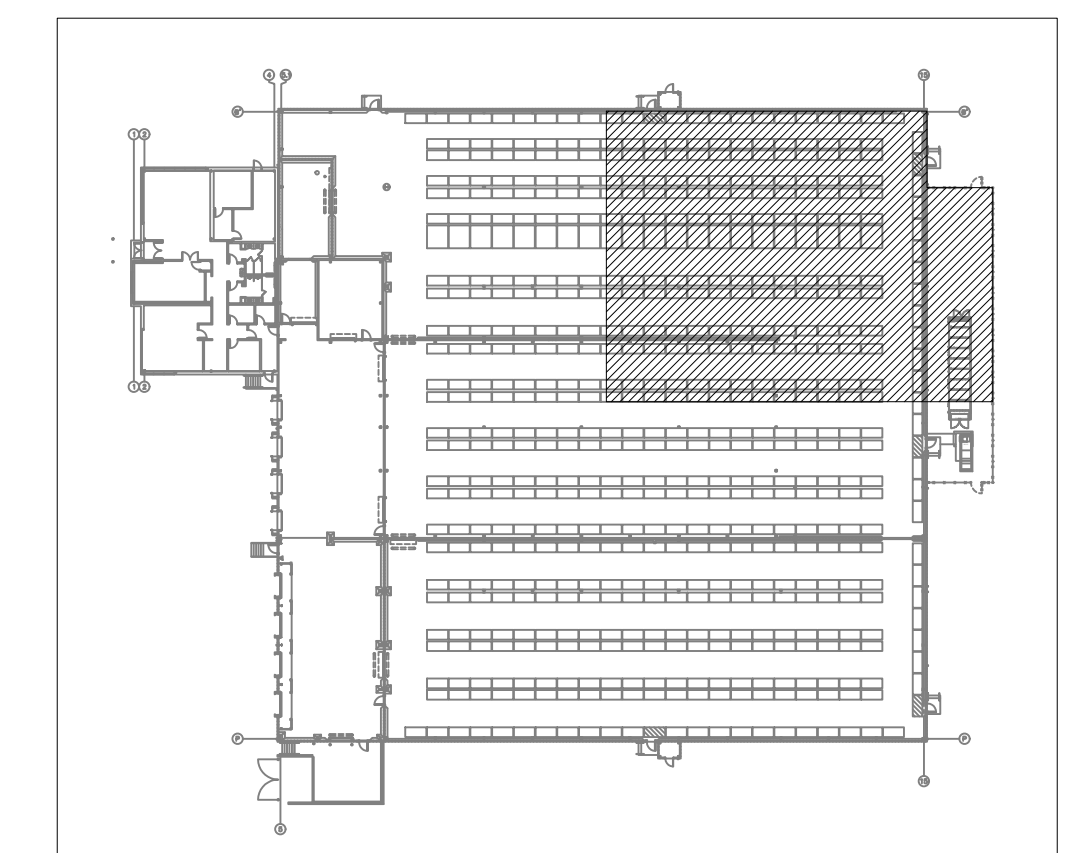
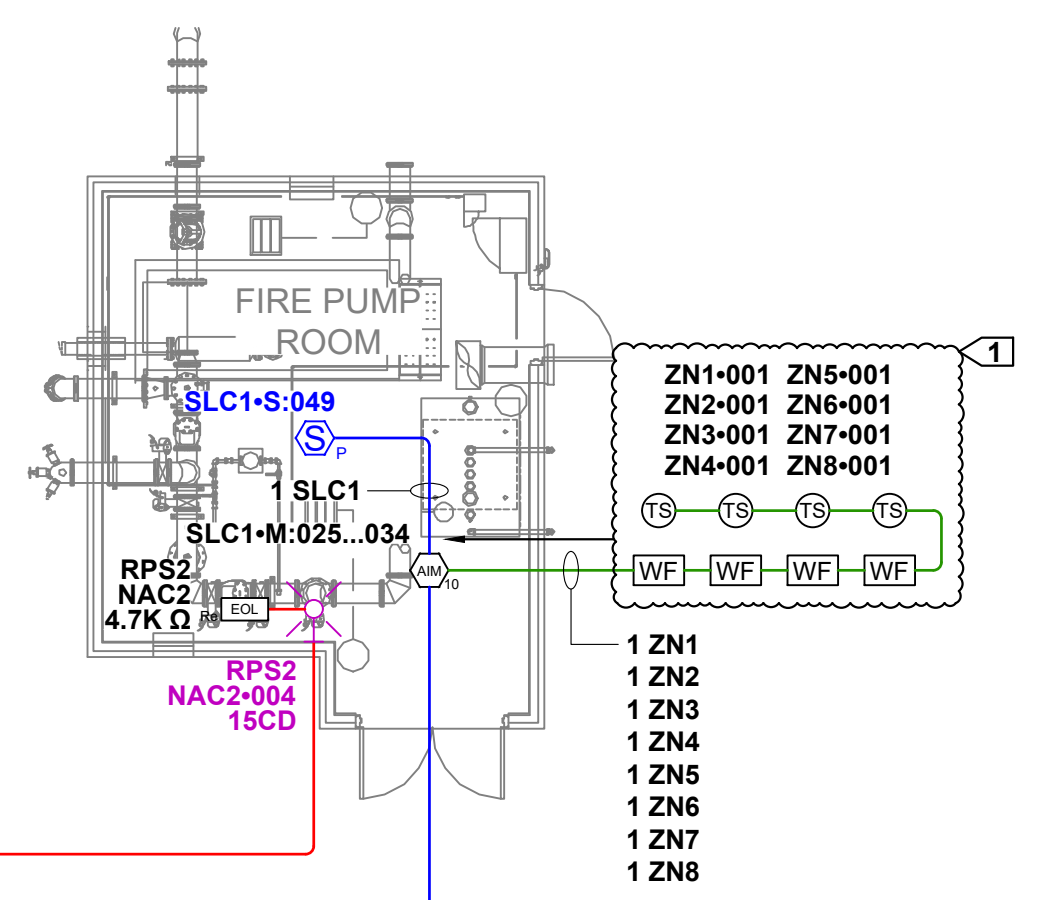
Sheet Number  
**FZ103**  
 SHEET 11 OF 18



**FLAG NOTE:**  
 ① FIELD VERIFY LOCATION AND QUANTITY

City of Puyallup  
 Development & Permitting Services  
 ISSUED PERMIT

|             |              |
|-------------|--------------|
| Building    | Planning     |
| Engineering | Public Works |
| Fire        | Traffic      |



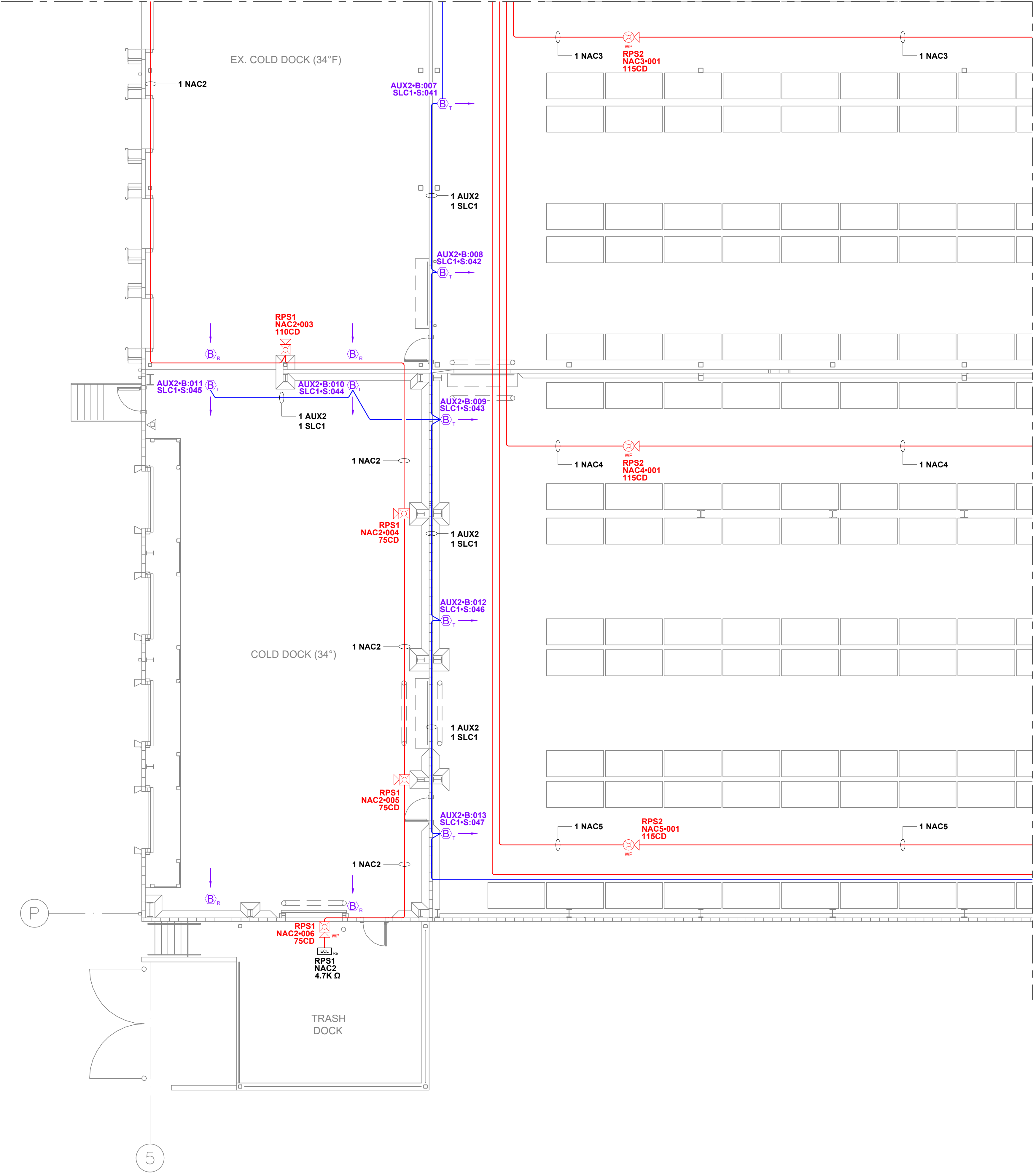
**MAIN FLOOR - AREA B FIRE ALARM PLAN**  
 SCALE: 1/8"=1'0"

**KEY PLAN**  
 SCALE: NOT TO SCALE

MATCH TO FZ105

MATCH TO FZ102

MATCH TO FZ102



MAIN FLOOR - AREA C FIRE ALARM PLAN  
SCALE: 1/8"=1'-0"

| Circuit Legend |         |  |
|----------------|---------|--|
| Quantity       | Circuit | Description                                      |
| 1              | AUX2    | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC2    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC3    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC4    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC5    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | SLC1    | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

|             |              |
|-------------|--------------|
| Building    | Planning     |
| Engineering | Public Works |
| Fire        | Traffic      |

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PH: 425.771.1166  
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www.abscosolutions.com

Project Name and Address  
COASTAL PACIFIC FOOD DIST.  
FREEZER EXPANSION  
322 VALLEY AVENUE, NW  
PUYALLUP, WA, 98371

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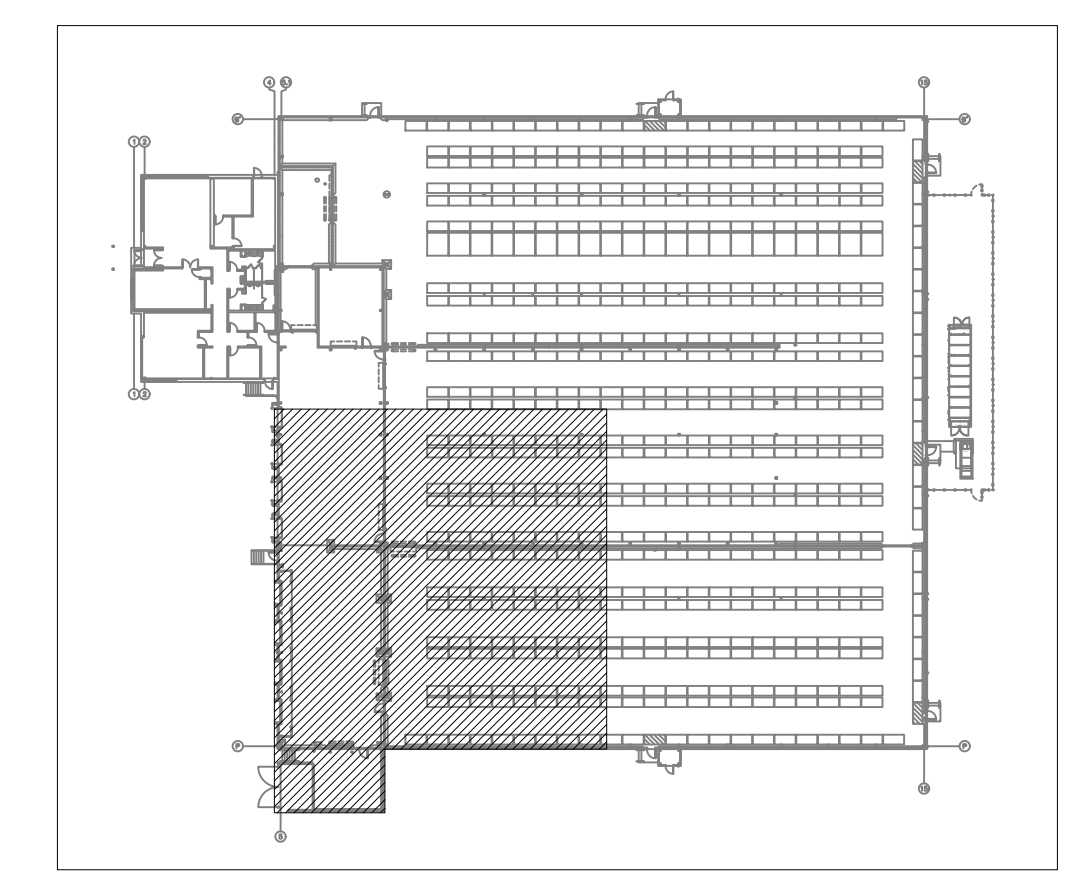
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| 1-12/26/24 | Submittal Set | AP |
| Rev.#-Date | Revision      | By |

|                |                          |
|----------------|--------------------------|
| Drawn By       | A.P.                     |
| Checked By     | D.H.                     |
| Date           | 07/16/24                 |
| Project Name   | EVELER FREEZER EXPANSION |
| Project Number | 26412                    |

System Type  
**FIRE ALARM**

Sheet Name  
MAIN FLOOR  
AREA C  
FIRE ALARM PLAN

Sheet Number  
**FZ104**  
SHEET 12 OF 18



KEY PLAN  
SCALE: NOT TO SCALE

| Circuit Legend |         |  |
|----------------|---------|--|
| Quantity       | Circuit | Description                                      |
| 1              | AUX2    | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC3    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC4    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | NAC5    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | SLC1    | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN1     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN2     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN3     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN4     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN5     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN6     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN7     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | ZN8     | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |

Firm Name and Address  
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Project Name and Address  
**COASTAL PACIFIC FOOD DIST.**  
**FREEZER EXPANSION**  
 322 VALLEY AVENUE, NW  
 PUYALLUP, WA. 98371

**FLAG NOTE:**  
 1 FIELD VERIFY LOCATION AND QUANTITY

City of Puyallup  
 Development & Permitting Services  
**ISSUED PERMIT**  
 Building Planning  
 Engineering Public Works  
 Fire Traffic

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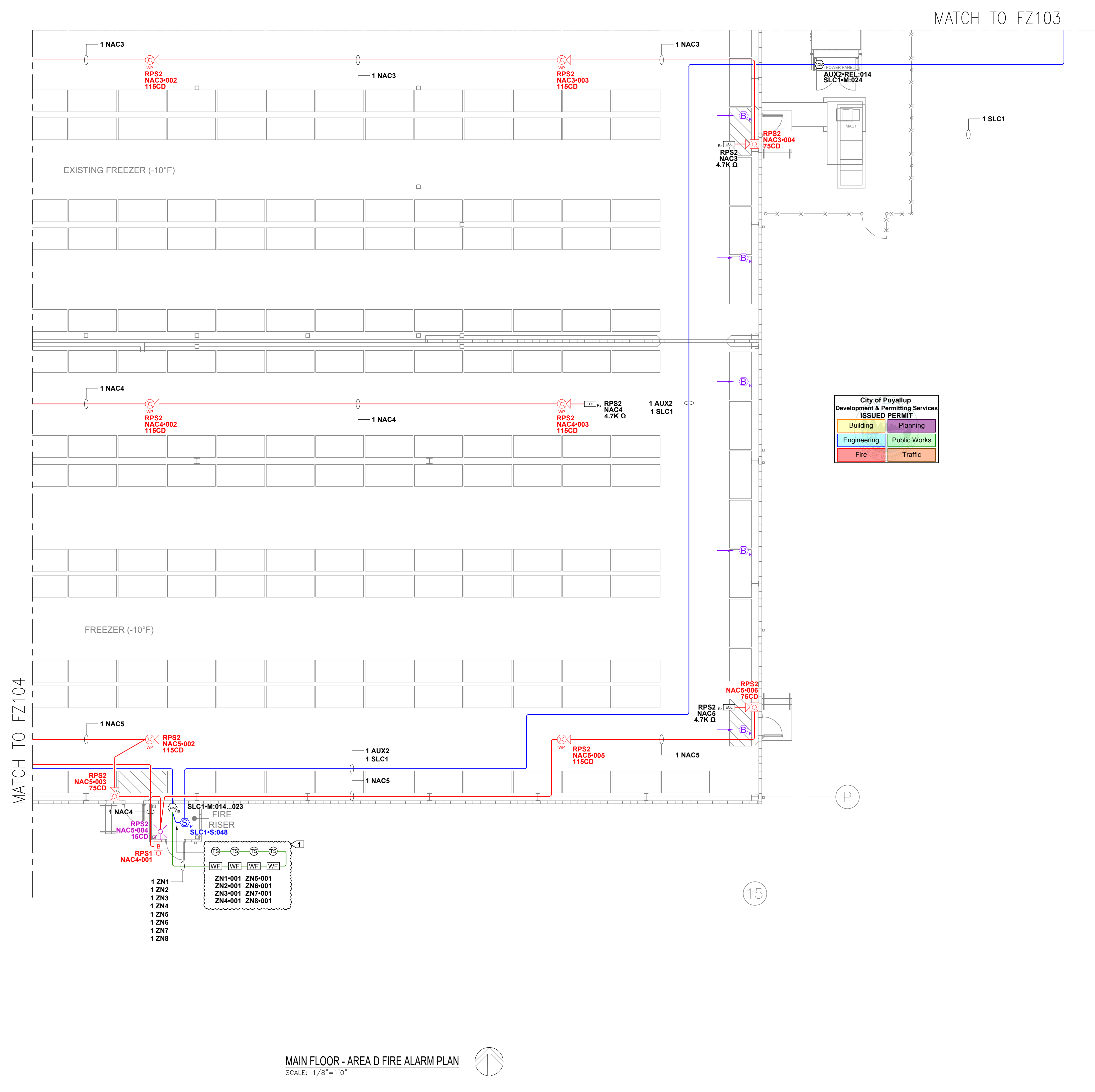
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| 1-12/26/24 |      | Submittal Set | AP |

|                |                          |
|----------------|--------------------------|
| Drawn By       | A.P.                     |
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| Date           | 07/16/24                 |
| Project Name   | EVELER FREEZER EXPANSION |
| Project Number | 26412                    |

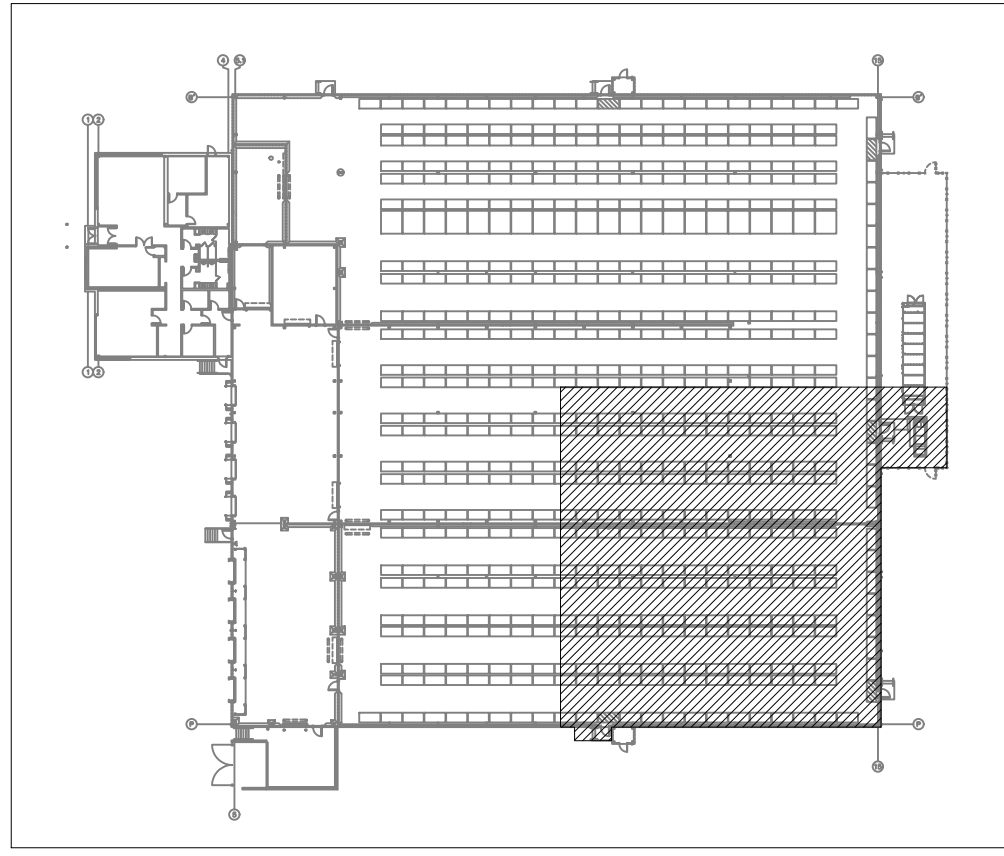
System Type  
**FIRE ALARM**

Sheet Name  
**MAIN FLOOR AREA D FIRE ALARM PLAN**

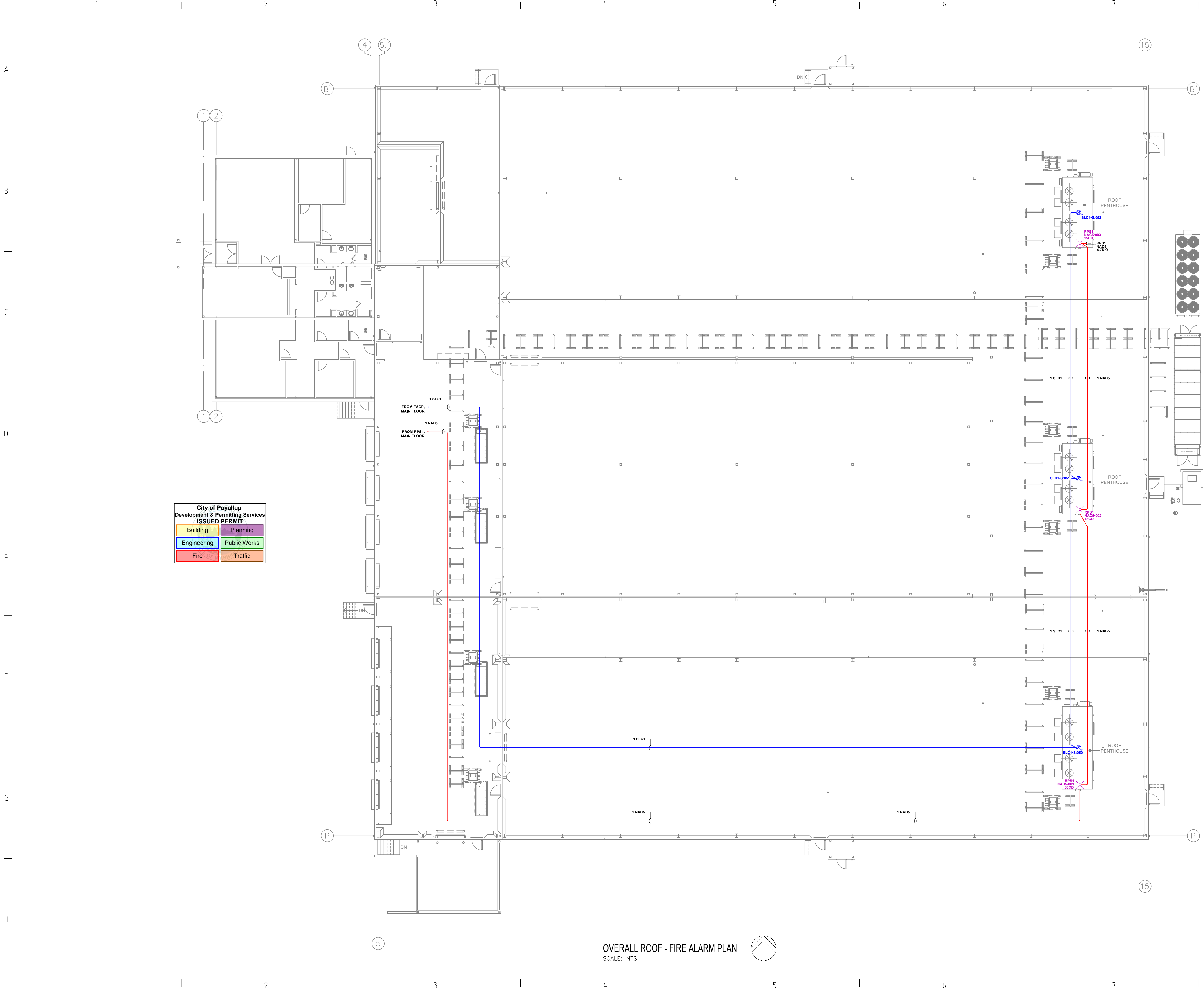
Sheet Number  
**FZ105**  
 SHEET 13 OF 18



**MAIN FLOOR - AREA D FIRE ALARM PLAN**  
 SCALE: 1/8"=1'0"



**KEY PLAN**  
 SCALE: NOT TO SCALE



City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

|             |              |
|-------------|--------------|
| Building    | Planning     |
| Engineering | Public Works |
| Fire        | Traffic      |

OVERALL ROOF - FIRE ALARM PLAN  
SCALE: NTS

Firm Name and Address  
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www.abscosolutions.com

Project Name and Address  
COASTAL PACIFIC FOOD DIST.  
FREEZER EXPANSION  
322 VALLEY AVENUE NW  
PUYALLUP, WA. 98371

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| Rev.#      | Date | Revision      | By |
|------------|------|---------------|----|
| 1-12/26/24 |      | Submittal Set | AP |

|                |                          |
|----------------|--------------------------|
| Drawn By       | A.P.                     |
| Checked By     | D.H.                     |
| Date           | 07/16/24                 |
| Project Name   | EVELER FREEZER EXPANSION |
| Project Number | 26412                    |

System Type  
FIRE ALARM

Sheet Name  
OVERALL ROOF FIRE ALARM PLAN

Sheet Number  
FZ106  
SHEET 14 OF 18

| Circuit Legend |         |  |
|----------------|---------|--|
| Quantity       | Circuit | Description                                      |
| 1              | NAC5    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | SLC1    | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |

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Project Name and Address  
**COASTAL PACIFIC FOOD DIST.**  
**FREEZER EXPANSION**  
 322 VALLEY AVENUE NW  
 PUYALLUP, WA. 98371

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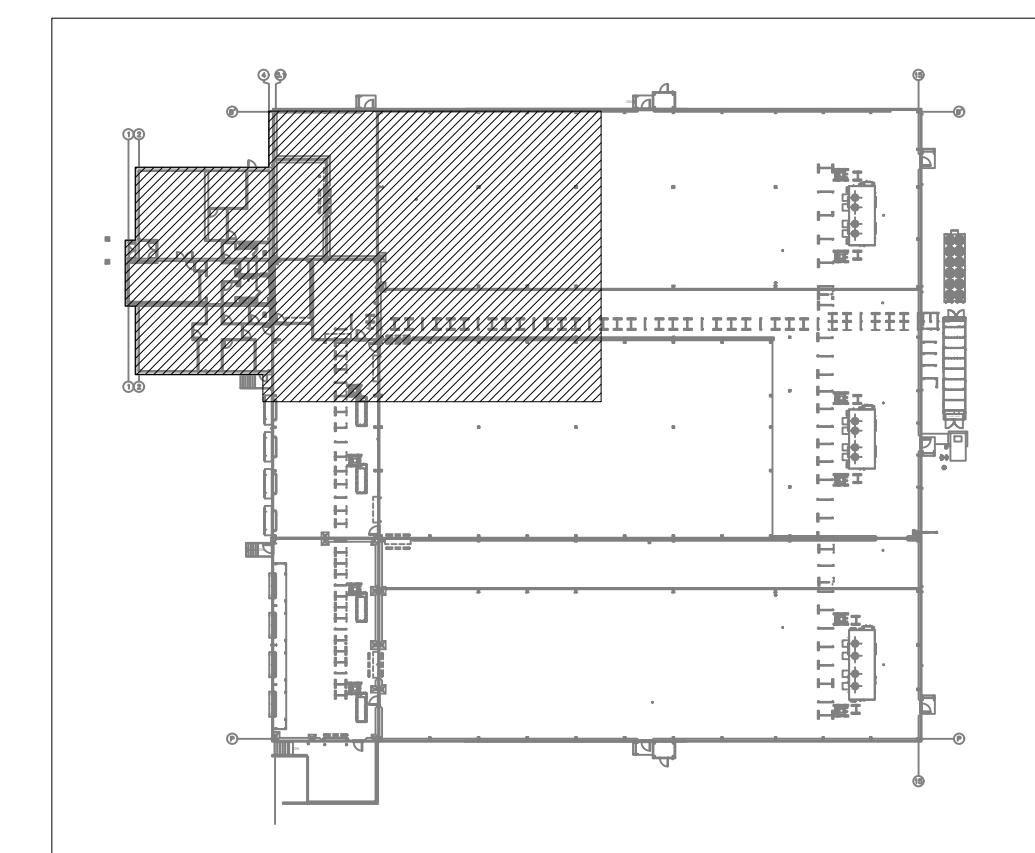
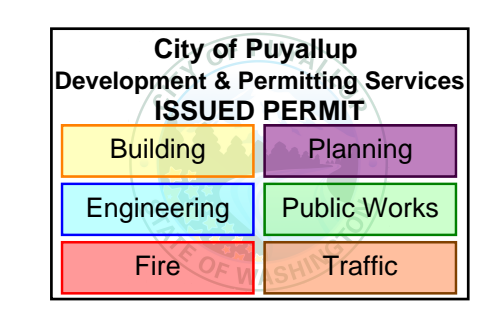
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| 1-12/26/24   | Submittal Set | AP |
| Rev.# - Date | Revision      | By |

Drawn By: A.P.  
 Checked By: D.H.  
 Date: 07/16/24  
 Project Name: EVELER FREEZER EXPANSION  
 Project Number: 26412

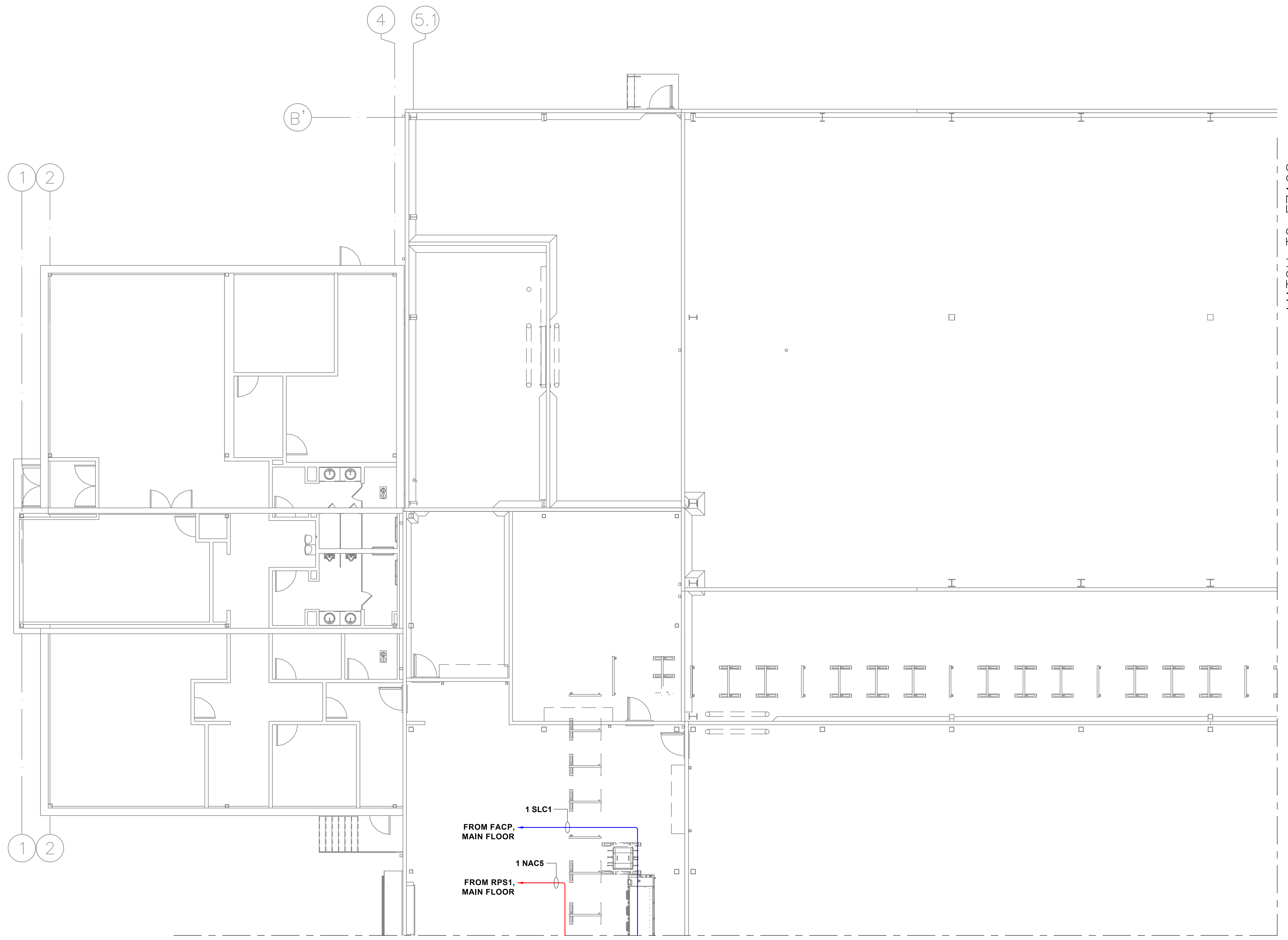
System Type  
**FIRE ALARM**

Sheet Name  
**ROOF AREA A FIRE ALARM PLAN**

Sheet Number  
**FZ107**  
 SHEET 15 OF 18



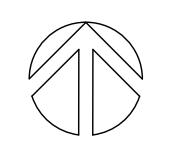
KEY PLAN  
 SCALE: NOT TO SCALE



MATCH TO FZ109

MATCH TO FZ108

ROOF - AREA A FIRE ALARM PLAN  
 SCALE: 1/8"=1'0"



1 2 3 4 5 6 7 8  
 A  
 B  
 C  
 D  
 E  
 F  
 G  
 H

| Circuit Legend |         |  |
|----------------|---------|--|
| Quantity       | Circuit | Description                                      |
| 1              | NAC5    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | SLC1    | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |

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 FREEZER EXPANSION**  
 322 VALLEY AVENUE, NW  
 PUYALLUP, WA. 98371

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 EMAIL: KEN.DAY@ABSCOSOLUTIONS.COM  
 NICET: IV # 97083

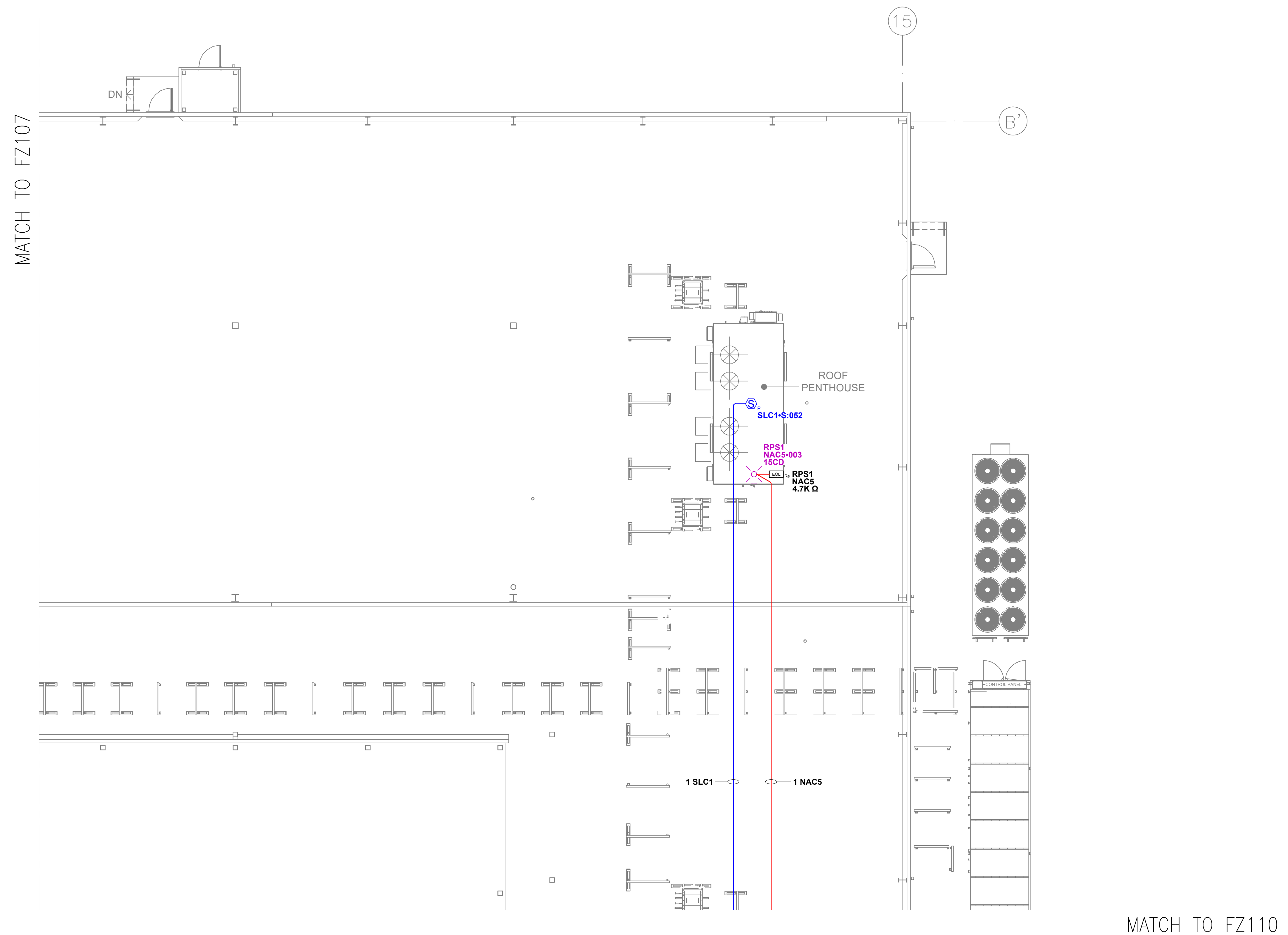
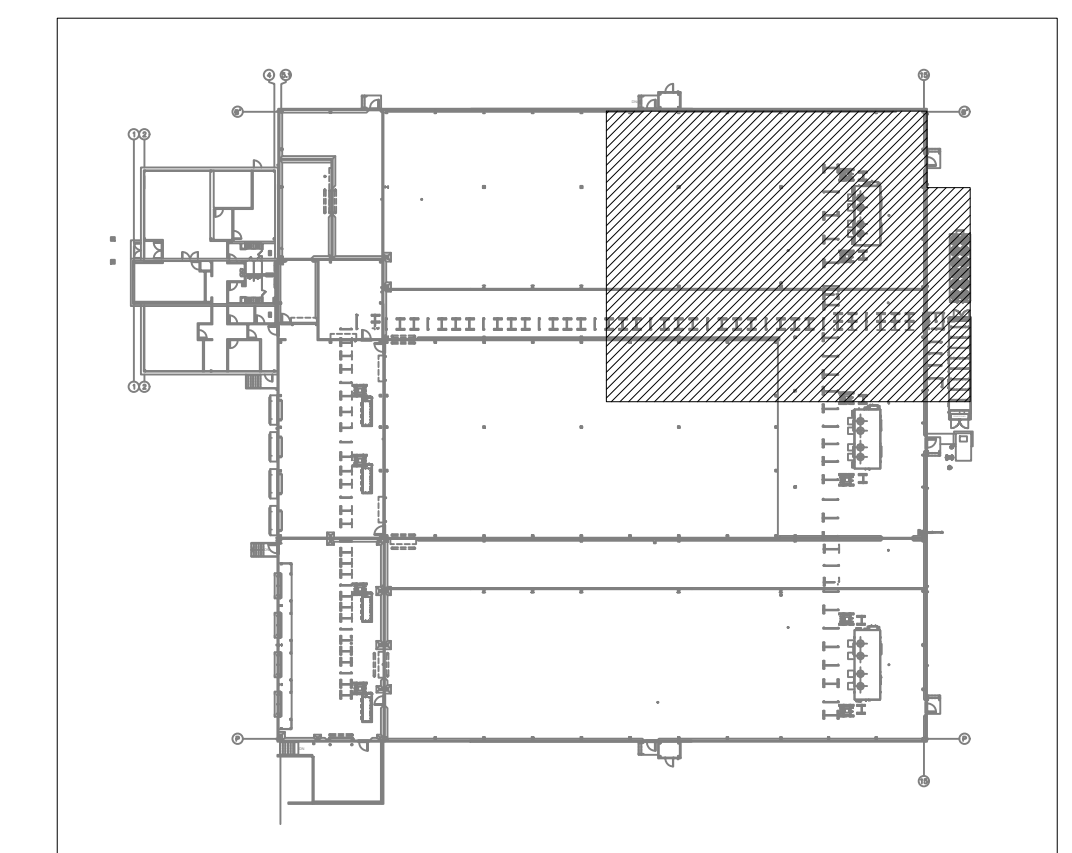
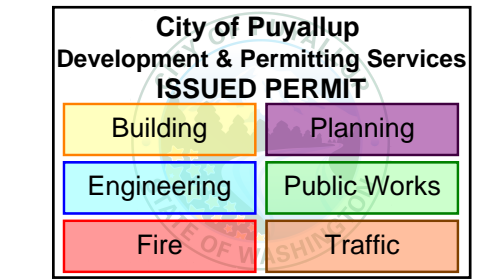
| Rev.#      | Date | Revision      | By |
|------------|------|---------------|----|
| 1-12/26/24 |      | Submittal Set | AP |

Drawn By: A.P.  
 Checked By: D.H.  
 Date: 07/16/24  
 Project Name: EVELER FREEZER EXPANSION  
 Project Number: 26412

System Type  
**FIRE ALARM**

Sheet Name  
**ROOF AREA B FIRE ALARM PLAN**

Sheet Number  
**FZ108**  
 SHEET 16 OF 18



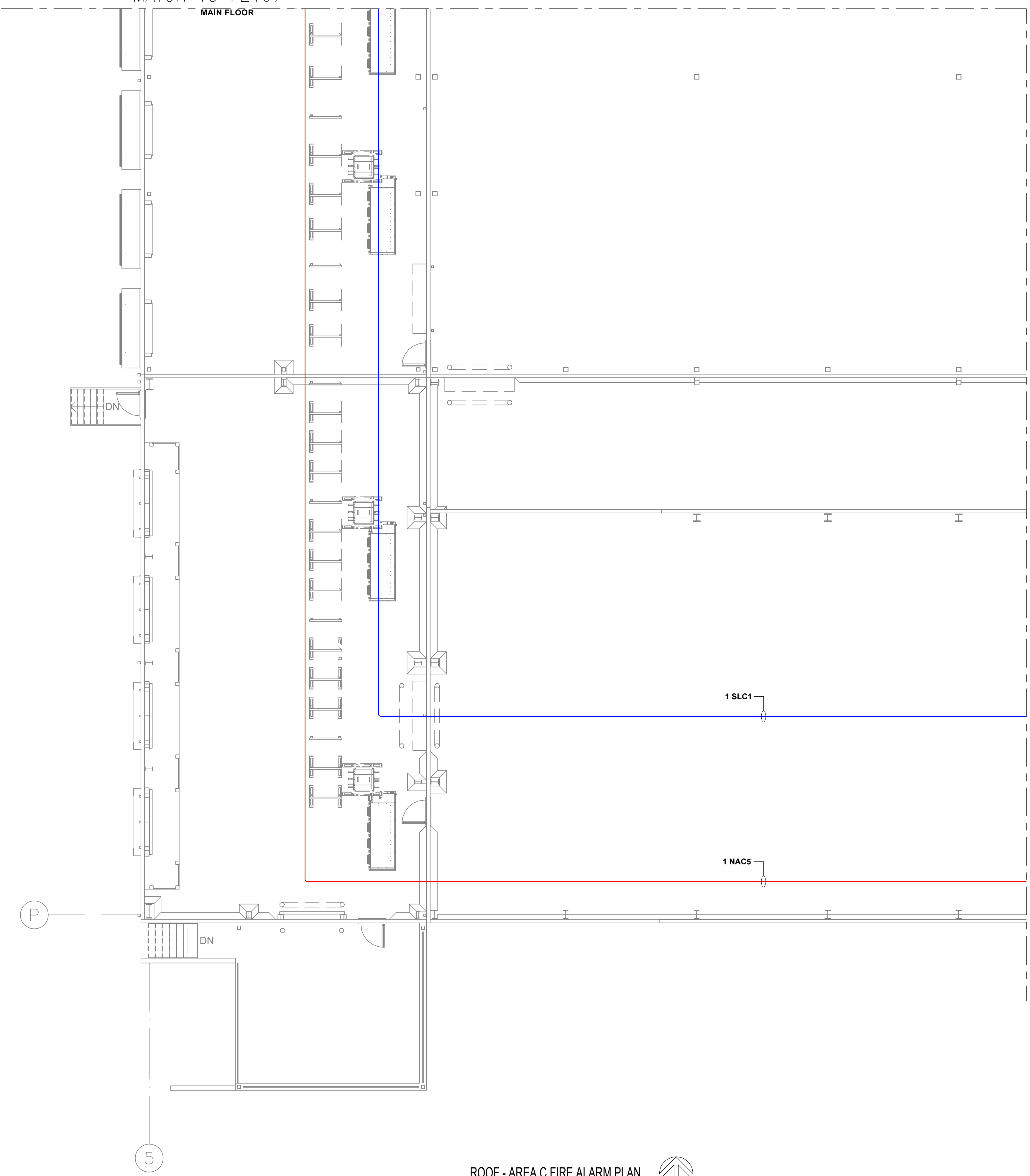
**ROOF - AREA B FIRE ALARM PLAN**  
 SCALE: 1/8"=1'-0"

**KEY PLAN**  
 SCALE: NOT TO SCALE

MATCH TO FZ107  
MAIN FLOOR

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

|             |              |
|-------------|--------------|
| Building    | Planning     |
| Engineering | Public Works |
| Fire        | Traffic      |



**Circuit Legend**

| Quantity | Circuit | Description                                      |
|----------|---------|--|
| 1        | NACS    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1        | SLC1    | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |

Firm Name and Address  
**AbSCO Solutions**  
 P.O. BOX 2246  
 LYNNWOOD, WA 98036  
 PH: 425.771.1166  
 FAX: 425.771.4422  
 www.abscosolutions.com

Project Name and Address  
**COASTAL PACIFIC FOOD DIST.  
 FREEZER EXPANSION  
 322 VALLEY AVENUE, NW  
 PUYALLUP, WA. 98371**

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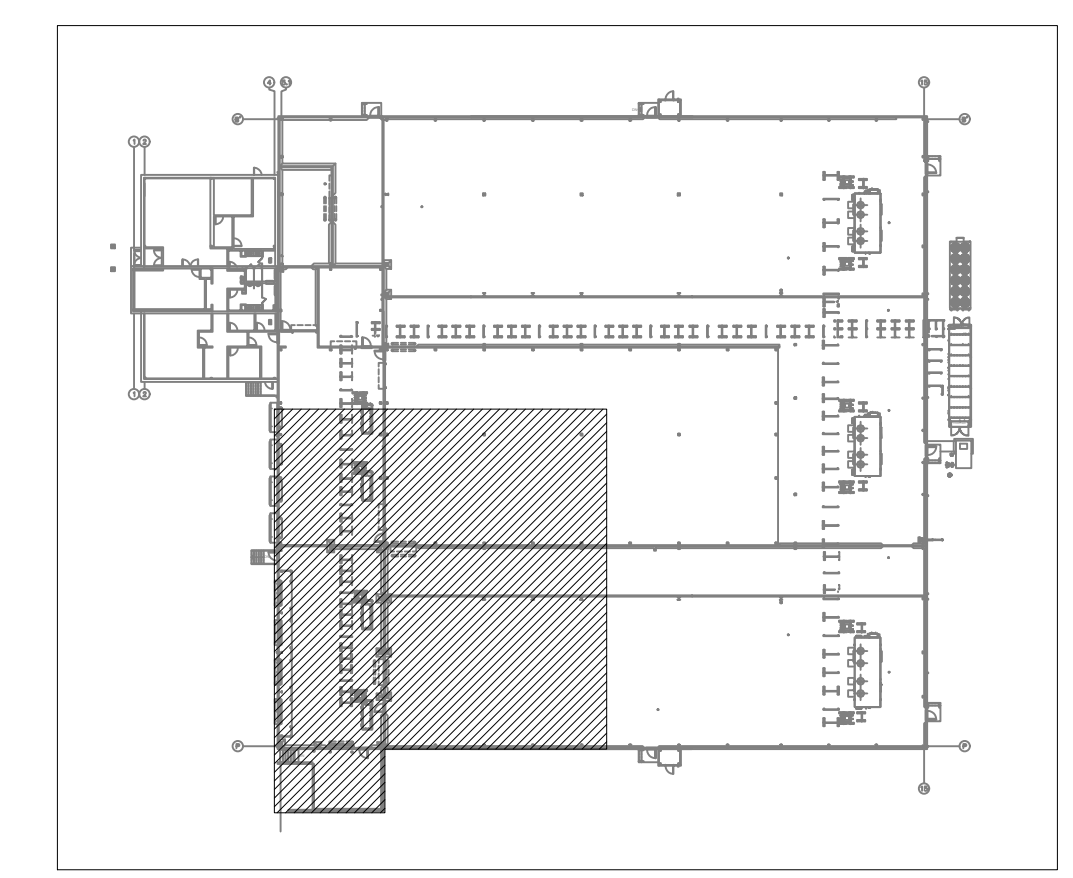
| Rev.#      | Date | Revision      | By |
|------------|------|---------------|----|
| 1-12/26/24 |      | Submittal Set | AP |

|                |                          |
|----------------|--------------------------|
| Drawn By       | A.P.                     |
| Checked By     | D.H.                     |
| Date           | 07/16/24                 |
| Project Name   | EVELER FREEZER EXPANSION |
| Project Number | 26412                    |

System Type  
**FIRE ALARM**

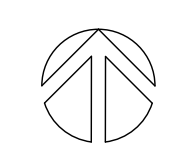
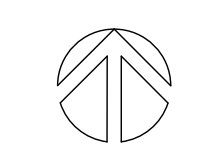
Sheet Name  
**ROOF AREA C FIRE ALARM PLAN**

Sheet Number  
**FZ109**  
 SHEET 17 OF 18



**KEY PLAN**  
 SCALE: NOT TO SCALE

**ROOF - AREA C FIRE ALARM PLAN**  
 SCALE: 1/8"=1'0"



MATCH TO FZ108

| Circuit Legend |         |  |
|----------------|---------|--|
| Quantity       | Circuit | Description                                      |
| 1              | NAC5    | 14/2-ns = 14AWG 2 CONDUCTOR - NON-SHIELDED CABLE |
| 1              | SLC1    | 16/2-ns = 16AWG 2 CONDUCTOR - NON-SHIELDED CABLE |

Firm Name and Address  
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Project Name and Address  
**COASTAL PACIFIC FOOD DIST.**  
**FREEZER EXPANSION**  
 322 VALLEY AVENUE, NW  
 PUYALLUP, WA. 98371

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| 1-12/26/24 |      | Submittal Set | AP |

|                |                          |
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| Drawn By       | A.P.                     |
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| Project Name   | EVELER FREEZER EXPANSION |
| Project Number | 26412                    |

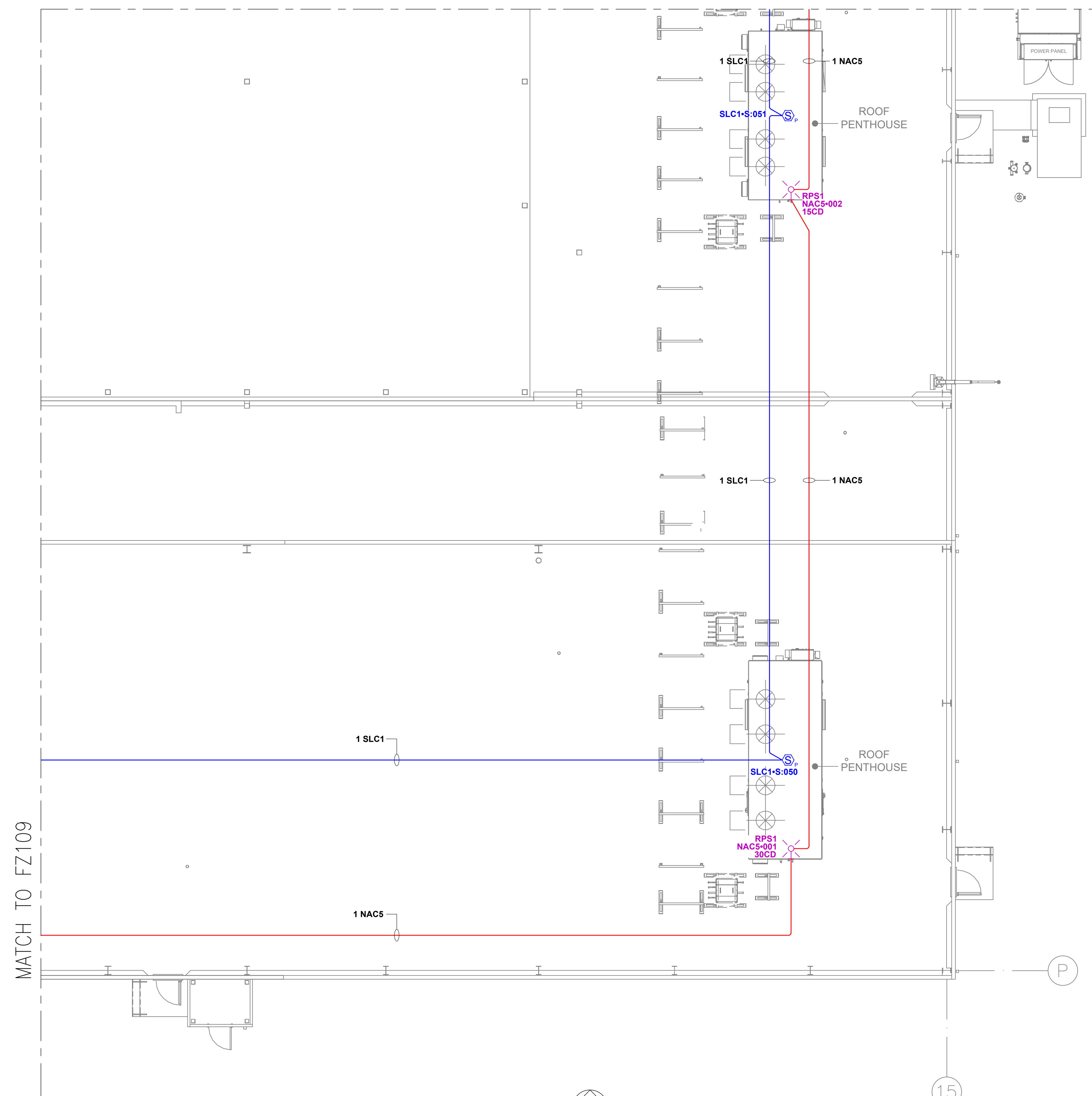
System Type  
**FIRE ALARM**

Sheet Name  
**ROOF AREA D FIRE ALARM PLAN**

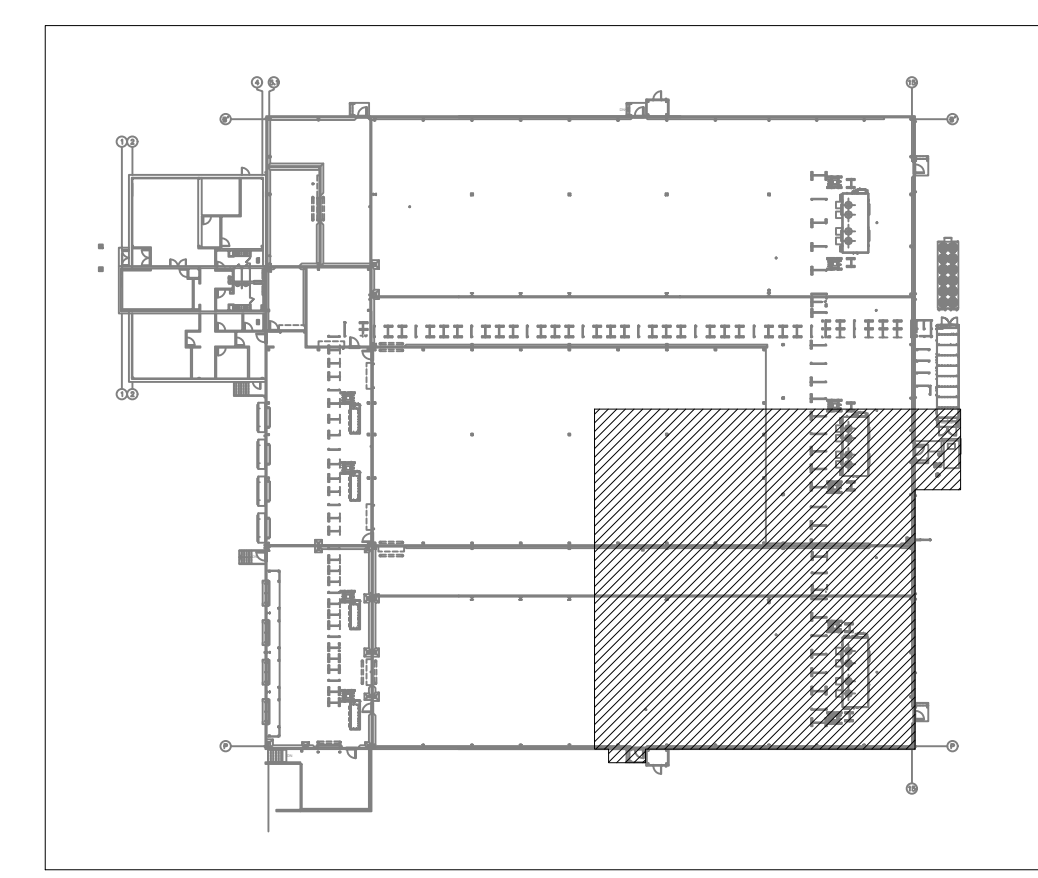
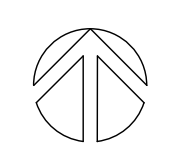
Sheet Number  
**FZ110**  
 SHEET 18 OF 18

City of Puyallup  
 Development & Permitting Services  
**ISSUED PERMIT**

|             |              |
|-------------|--------------|
| Building    | Planning     |
| Engineering | Public Works |
| Fire        | Traffic      |



**ROOF - AREA D FIRE ALARM PLAN**  
 SCALE: 1/8"=1'0"



**KEY PLAN**  
 SCALE: NOT TO SCALE

