

DESIGN NARRATIVE

THE PURPOSE OF THIS DESIGN IS HOOD SYSTEM MONITORING WITH LIMITED NOTIFICATION.

WE ACHIEVE THIS BY INSTALLING A NEW IDP MONITOR MODULE AND CONNECT IT TO THE EXISTING IFP-300 SYSTEM IN THE SPRINKLER RISER ROOM.

MONITORING IS EXISTING, AND IS PROVIDED VIA THE INTEGRATED ONBOARD IP COMMUNICATOR.

THE IFP-300B ADDRESSABLE FIRE ALARM PANEL IS POWERED FROM A 20 AMP DEDICATED CIRCUIT. THE BATTERIES ARE SIZED TO PROVIDE 24 HOUR STANDBY WITH 5 MINUTES OF ALARM. COMPLETE CALCULATIONS ARE INCLUDED WITH CUT SHEETS.

UL LISTING IS THROUGH SMITH FIRE SYSTEMS THE MONITORING CONTRACTOR.

WORK UNDER THIS PERMIT IS SHOWN IN THE REVISION BUBBLES.

TABLE A.18.4.3 Average Ambient Sound Level According to Location

Location	Average Ambient Sound Level (dBA)
Business occupancies	55
Educational occupancies	45
Industrial occupancies	80
Institutional occupancies	50
Mercantile occupancies	40
Mechanical rooms	85
Piers and water-surrounded structures	40
Places of assembly	55
Residential occupancies	35
Storage occupancies	30
Thoroughfares, high-density urban	70
Thoroughfares, medium-density urban	55
Thoroughfares, rural and suburban	40
Tower occupancies	35
Underground structures and windowless buildings	40
Vehicles and vessels	50



Jonathan Olson
NICET #40743
Fire Alarm Systems
Level III
 Cert NO. 103664 08/01/2022



BUILDING DATA

ADDRESS:	4423 S. MERIDIAN STREET PUYALLUP, WA. 98373
PARCEL #:	0419106022
AREA:	25 FT ²
TYPE OF CONST:	TYPE VB - FULLY SPRINKLERED
OCCUPANCY:	B

MONITORING SERVICE PROVIDED BY:

SMITH FIRE SYSTEMS
253-926-1880
1106 54TH AVE EAST
TACOMA, WA. 98424
ACCOUNT NUMBER - LAC812774
PHONE NUMBER: 1-800-752-2490
UL LISTING NUMBER - SP042

RUNNER SERVICE PROVIDED BY

SMITH FIRE SYSTEMS
1106 54TH AVE EAST
TACOMA, WA. 98424
EMERGENCY SERVICE NUMBER 1-253-248-2000

SHEET INDEX

SHEET NUMBER	DISRIPTION
FA01	PROJECT DETAILS
FA02	FIRE ALARM DEVE AND WIRE LAYOUT
FA03	FIRE ALARM ONE LINE RISER
FA04	FIRE ALARM GRAPHIC MAP

City of Puyallup
Fire REVIEWED FOR COMPLIANCE
 RayC
 08/01/2022
 4:47:36 PM

See Permit Conditions

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.

OUTPUT DEVICES OR ACTIONS

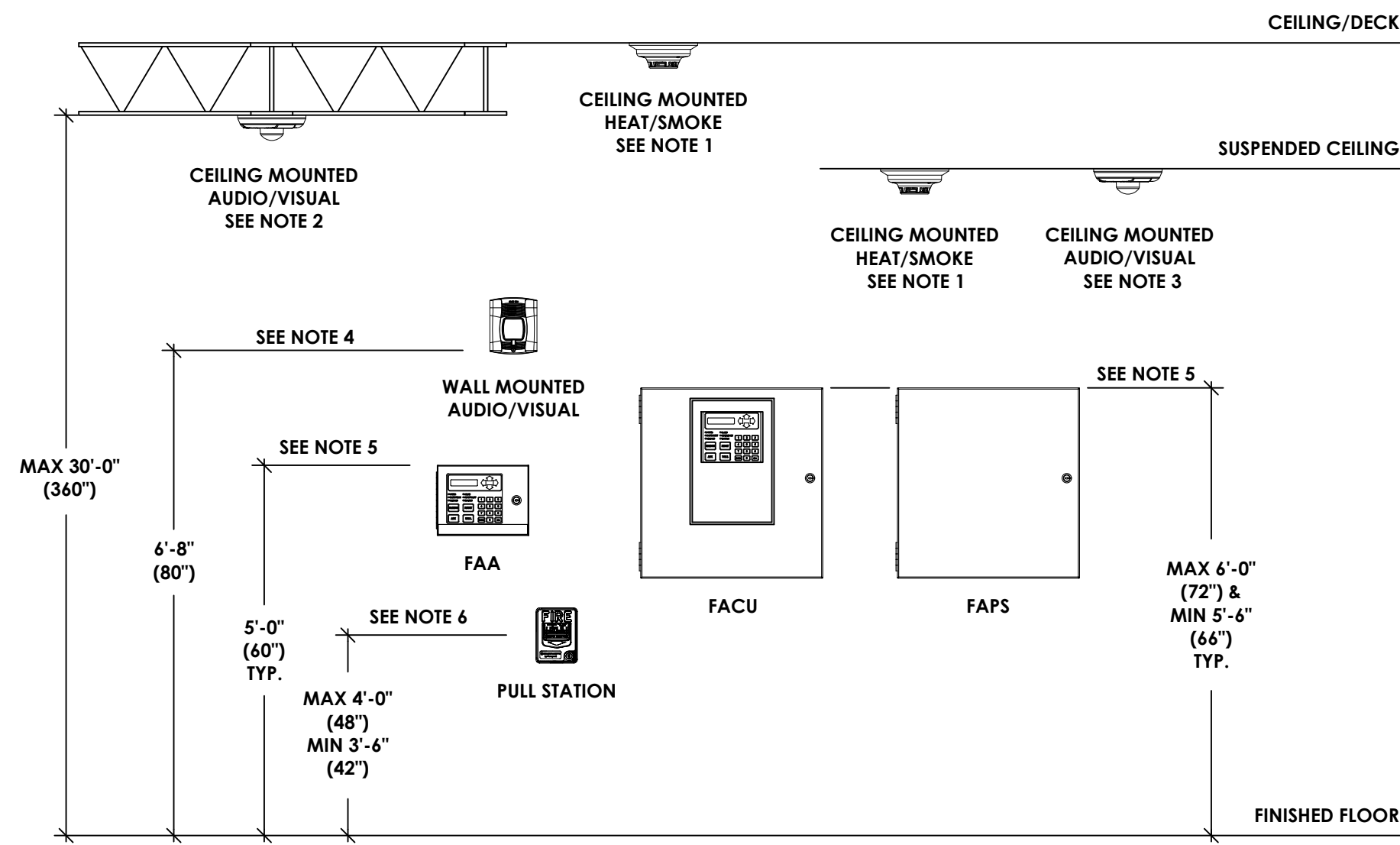
ALARM LED ACTIVATES
SUPERVISORY LED ACTIVATES
TROUBLE LED ACTIVATES
PIZO ACTIVATES
ALARM WITH POINT ID TRANSMITTED
SUP. WITH POINT ID TRANSMITTED
TROUBLE WITH POINT ID TRANSMITTED
GENERAL ALARM NOTIFICATION
EXTERIOR STROBE ONLY
WATERFLOW BELL
HVAC SHUT DOWN
FIRE DAMPERS CLOSE
ELEVATOR RECALL MAIN
ELEVATOR RECALL ALTERNATE
ELEVATOR RECALL MACHINE ROOM
ELEVATOR SHUNT ACTIVATED

IMPUTE DEVICES OR ACTIONS

WATERFLOW SWITCH
SMOKE DETECTOR
PULLSTATION
ELEVATOR MAIN LOBBY SMOKE DETECTOR
ELEVATOR ALTERNATE LOBBY SMOKE DETECTORS
ELEVATOR MACHINE ROOM SMOKE DETECTOR
SPRINKLER SUPERVISORY SWITCHES
HVAC SUPERVISORY CONDITIONS
ELEVATOR SUPERVISORY CONDITIONS
ELEVATOR SHUNT HEAT DETECTOR
SYSTEM COMPONIT
DEVICE OR MODULE
NOTIFICATION CLUIRCIT
AC / BATTERY
DRILL BUTION
FUNCTION 1 KEY
FUNCTION 2 KEY
FUNCTION 3 KEY
FUNCTION 4 KEY

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



- NOTES:**
- LOCATE CEILING MOUNTED HEAT/SMOKE DETECTORS ON THE BOTTOM OF THE DECK/SUSPENDED CEILING (NOT ON BOTTOM OF STRUCTURAL MEMBERS), AND AS INDICATED IN NFPA 72.
 - LOCATE CEILING MOUNTED NOTIFICATION DEVICES ON BOTTOM OF BEAMS OR JOISTS; WITH CLEAR LINE OF SITE IN ALL DIRECTIONS; NO GREATER THAN THIRTY (30) FEET ABOVE THE FINISHED FLOOR; AND AS INDICATED IN NFPA 72.
 - LOCATE CEILING MOUNTED NOTIFICATION DEVICES FLUSH WITH THE SUSPENDED CEILING; ALIGNED WITH LIGHTING, SPRINKLERS, AND OTHER ARCHITECTURAL FIXTURES; WITH CLEAR LINE OF SITE IN ALL DIRECTIONS; NO GREATER THAN THIRTY (30) FEET A.F.F.; AND AS INDICATED IN NFPA 72.
 - LOCATE WALL MOUNTED NOTIFICATION DEVICES AT 80" A.F.F TO BOTTOM OF BACK BOX.
 - COORDINATE EXACT MOUNTING HEIGHT OF CONTROL PANELS, ANNUNCIATORS, AND POWER SUPPLIES WITH THE GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR AND AHJ PRIOR TO INSTALLATION.
 - MEASURED TO THE OPERABLE PART OF THE PULL STATION.

TYPICAL DEVICE MOUNTING HEIGHT
 N.T.S.

WIRE LEGEND SYMBOLS

SYMBOL	DESCRIPTION
###cd	INDICATES THE CANDELA SETTING OF THE STROBE.
A →	INDICATES 1x OF THE SPECIFIED WIRE. THE LETTER CORRESPONDS TO THE WIRE TYPE, IN THE WIRE LEGEND.
A,B →	INDICATES 1x EACH OF THE SPECIFIED WIRE. THE LETTER CORRESPONDS TO THE WIRE TYPE, IN THE WIRE LEGEND.
B ² →	INDICATES 2 OF THE SPECIFIED WIRE. THE LETTER CORRESPONDS TO THE TYPE, THE EXPONENT IS THE NUMBER OF THAT WIRE.

WIRE LEGEND

WIRE	USE	TYPE	DESCRIPTION
A	SLC	18 GAUGE 2 CONDUCTOR - FLP	DATA CIRCUIT TO SMOKES, PULLS AND SPRINKLER MODULES.

SYMBOL LEGEND

FACP	FIRE ALARM CONTROL UNIT- IFP-300 - (EXISTING)	0
FAPS	FIRE ALARM POWER SUPPLY -	0
AES	AES RADIO - POWER PROVIDED BY FACP	0
FAA	FIRE ALARM ANNUNCIATOR -	0
FAD	FIRE ALARM DOCUMENT BOX	0
F	MANUAL PULL STATION - IDP-PULL-DA - (EXISTING)	0
⊕	SMOKE DETECTOR - IDP-SMOKE-W - (EXISTING)	0
⊕	HEAT DETECTOR - (EXISTING)	0
M	MONITOR MODULE - IDP-MONITOR - NEW DEVICE	1
I	ISOLATION MODULE -	0
R	RELAY MODULE -	0
⊕	SPRINKLER TAMPER CONNECTION - (EXISTING)	0
⊕	CEILING MOUNT STROBE - (EXISTING)	0
⊕	CEILING MOUNT HORN STROBE - (EXISTING)	0
⊕	WALL MOUNT/WEATHERPROOF HORN STROBE - SS-PC2RK- (EXISTING)	0
⊕	WALL MOUNT LOW FREQUENCY HORN -	0
⊕	WALL MOUNT MAGNETIC DOOR HOLDER	0
WP	INDICATES WEATHER RESISTANT DESIGN	0
XXcd	INDICATES CANDELA RATING OF STROBE LIGHT	0
⊕	DENOTES END OF CIRCUIT FOR THAT NAC LOOP	0

Date: 07/19/2022
 Drawn By: JPO
 Email: JON@FIRETEKOLYMPIA.COM
 Job #: 32430
 File Name: FA MERIDIAN CTR
 DWG Name: FA_PLAN
 Plot Date:
 Version: AutoCAD LT 2023

Project Name: **MERIDIAN PLACE SHOPPING CENTER**
TANDOORI GRILL
4423 S. MERIDIAN
PUYALLUP, WA

Sheet Number
FA01