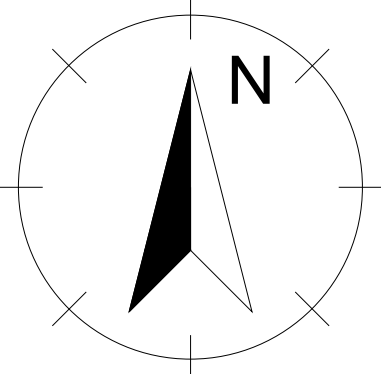


COTTAGES ON HOLLYWOOD - FAYETTEVILLE, AR - FIRE ALARM

AAS / UFS JOB NO: U1435
IN CONDUIT
OPEN WIRING
POWER LIMITED
NON POWER LIMITED



ARKANSAS AUTOMATIC SPRINKLERS
ARKANSAS UNITED FIRE SUPPRESSION
FIRE PROTECTION DESIGN & INSTALLATIONS

OWNER:
BARRETT DEVELOPMENT GROUP
1744 S LUMPKIN STREET
ATHENS, GA 30606

GENERAL CONTRACTOR:
BARRETT DEVELOPMENT GROUP
1744 S LUMPKIN STREET
ATHENS, GA 30606

OCCUPANCY TYPE:
RESIDENTIAL R2 - LONG STAY (DORM, APTS)

APPLICABLE CODES:
2012 AR FIRE PREVENTION CODES: VOL I "FIRE" BASED ON THE 2012 IFC W/ STATE REVISIONS
VOL II "BUILDING" BASED ON THE 2012 IBC W/ STATE REVISIONS
2014 NATIONAL ELECTRICAL CODE (NFPA 70)

FIRE ALARM LEGENDS:

Table with 6 columns: SYMBOL, DESCRIPTION, PART NUMBER, MODEL, QUANTITY, USER TEXT. Lists various fire alarm components like detectors, pull stations, and horns with their specifications and quantities.

Table with 6 columns: DEVICE SYMBOL, DEVICE DESCRIPTION, BACK BOX TYPE, BACK BOX SUPPLIED BY, BACK BOX INSTALLED BY, BACK BOX MOUNTING HEIGHTS. Provides detailed specifications for various fire alarm devices and their installation requirements.

- ELECTRICAL / LOW VOLTAGE NOTES:
1. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING;
- CUTTING AND INSTALLATION OF CEILING TILES
- SUPPLY AND INSTALLATION OF ALL BACK BOXES (BOTH CEILING & WALL) FOR ALL DEVICES

Reviewed For Minimum Compliance with the Arkansas Fire Preion Code (AFPO)
By: Rodney Colson, P.E.
Fire Protection Engineer
10/29/2018

Plans have been reviewed for compliance with the Arkansas Fire Prevention Code and NFPA requirements:
1. Stamped plans must be kept on site for use by the inspector.
2. Any deviation from the stamped plans shall be submitted for approval before installation.
3. Schedule a request for an inspection by calling the Fire Marshal's Office, (479)444-3448.
4. This examination of the submitted documents does not relieve the owner, designers and contractors or their representatives from their individual or collective responsibility to comply with applicable provisions of the accepted codes. This examination is not to be construed as a check of every item in the submitted plans and documents and does not prevent the Fire Marshal from hereafter requiring corrections in plans or construction.

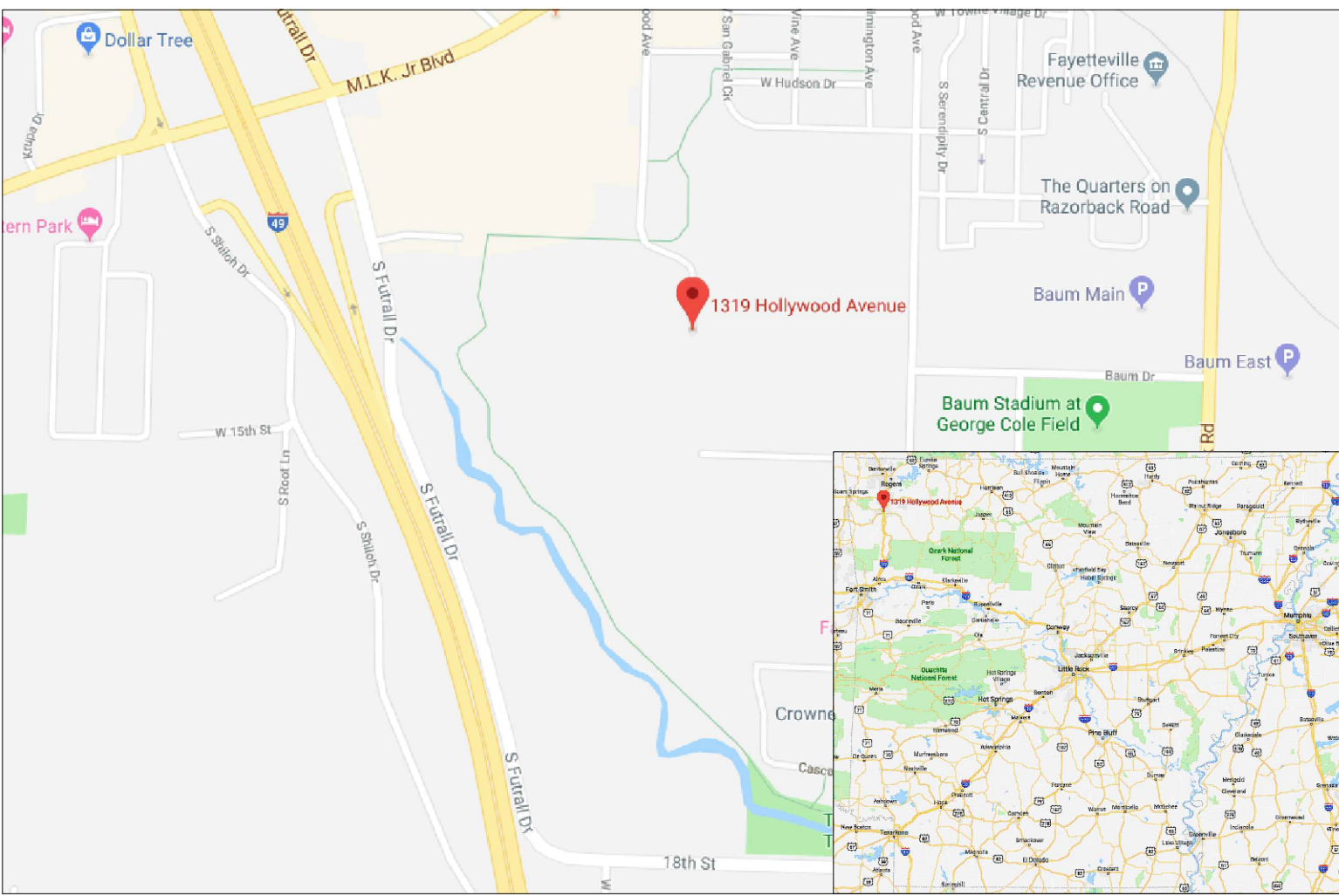
SHEET INDEX:

- F0 - FIRE ALARM TITLE SHEET
F1 - CLUBHOUSE 1ST FLR FA PLAN
F2 - CLUBHOUSE 2ND FLR FA PLAN
F3 - BLDG "600" FIRE ALARM PLAN
F4 - BLDG "500" FIRE ALARM PLAN
F5 - BLDG "100" & "400" FIRE ALARM PLAN
F7 - CALCULATIONS
F8 - CALCULATIONS
F9 - CALCULATIONS
F10 - CALCULATIONS & RISER DETAIL
SITE - COMPLEX SITE PLAN

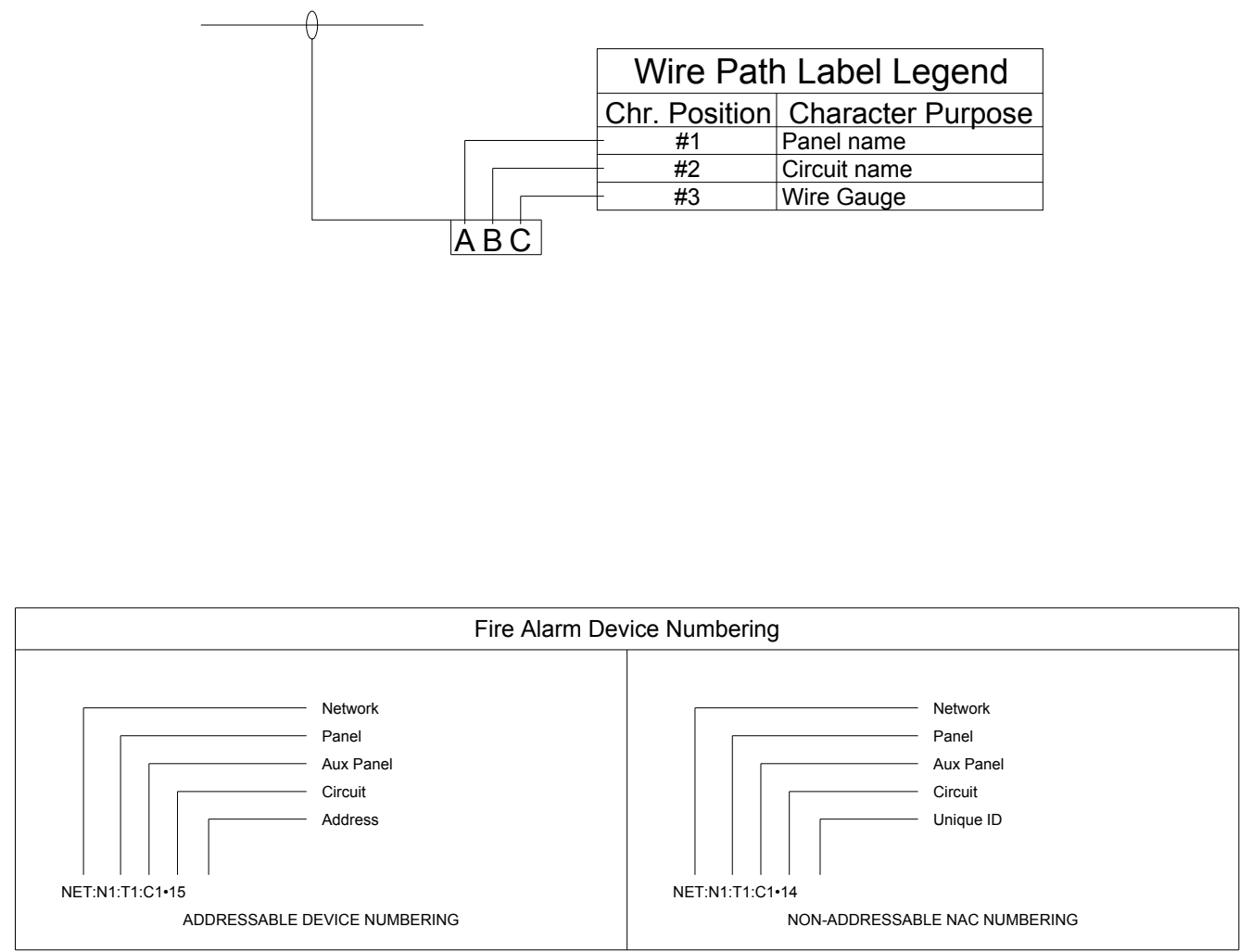
RESERVED FOR AHJ APPROVAL

FAYETTEVILLE FIRE DEPT
303 W CENTER ST
FAYETTEVILLE, AR 72201
479-575-5365

PROJECT LOCATION:



WIRING AND DEVICE LABEL LEGEND



FIRE ALARM SEQUENCE OF OPERATION AND MATRIX

"NOTE SEQUENCE OF OPERATIONS AND MATRIX ARE GENERAL, NOT ALL ITEMS LISTED MAY BE USED"

NORMAL CONDITION:
- CONTROL PANEL WILL DISPLAY "SYSTEM NORMAL"
- RED POWER LED WILL BE ACTIVATED
- GREEN SYSTEM NORMAL LED WILL BE ACTIVATED

TROUBLE CONDITION:
- CONTROL PANEL WILL DISPLAY NUMBER AND TYPE OF TROUBLE
- CONTROL PANEL WILL BEEP
- YELLOW TROUBLE LED WILL BE ACTIVATED
- GREEN SYSTEM NORMAL LED WILL DEACTIVATE
- ACKNOWLEDGEMENT AT CONTROL PANEL WILL SILENCE TROUBLE
- IF TROUBLE HAS NOT BEEN CORRECTED WITHIN 24 HOURS OF ACKNOWLEDGMENT, BEEP WILL REACTIVATE

TROUBLE CONDITION CORRECTED:
- PANEL WILL AUTO RESET
- YELLOW TROUBLE LED WILL DEACTIVATE
- GREEN SYSTEM NORMAL LED WILL ACTIVATE

ALARM CONDITION:
- CONTROL PANEL WILL DISPLAY NUMBER AND TYPE OF ALARM
- CONTROL PANEL WILL BEEP
- NOTIFICATION DEVICES WILL ACTIVATE
- GREEN SYSTEM NORMAL LED WILL DEACTIVATE
- RED ALARM LED WILL ACTIVATE
- ACKNOWLEDGMENT AT CONTROL PANEL WILL SILENCE NOTIFICATION (VISIBLE WILL CONTINUE)

ALARM CONDITION CORRECTED:
- CONTROL PANEL MUST BE MANUALLY RESET
- RED LED WILL DEACTIVATE
- GREEN SYSTEM NORMAL LED WILL ACTIVATE

ACTIVATION OF A MANUAL PULL STATION, SMOKE DETECTOR, HEAT DETECTOR SHALL:
- DISPLAY SPECIFIC DEVICE AT FACP
- ACTIVATE AUDIBLE AND VISUAL NOTIFICATION
- SHUT DOWN VENTILATION\*
- TRANSMIT SIGNAL TO CENTRAL STATION

ACTIVATION OF WATER FLOW SHALL:
- ALL ACTIONS AS ABOVE STATION OR DETECTOR
- ACTIVATE OUTDOOR NOTIFICATION
- NOTIFICATION SHALL NOT BE SILENCED WHILE WATER IS FLOWING AT A RATE OF FLOW EQUAL TO THAT OF A SINGLE SPRINKLER HEAD

ACTIVATION OF A DUCT SMOKE DETECTOR SHALL:
- DISPLAY SPECIFIC DEVICE AT FACP
- ACTIVATE A SUPERVISORY CONDITION
- SHUT DOWN VENTILATION
- TRANSMIT SIGNAL TO CENTRAL STATION

\*IF PROGRAMMED TO DO SO\*

ALL SIGNAL TO BE STORED IN FACP MEMORY

SUPERVISORY CONDITIONS SHALL SUPERCEDE A TROUBLE CONDITION

ALARM CONDITIONS SHALL SUPERCEDE A SUPERVISORY CONDITION

Matrix table showing the sequence of operations for various fire alarm conditions. Rows represent conditions (e.g., 1. PULL STATION, 2. SMOKE DETECTOR) and columns represent actions (A-Z). 'X' marks indicate which actions are triggered by each condition.

GENERAL FIRE ALARM SYSTEM NOTES:

- 1. SYSTEM IS DESIGNED IN ACCORDANCE WITH NFPA 72, UFC, NEC AND IBC.
2. TWO (2) TELEPHONE LINES TO BE PROVIDED, BY OTHERS, AT THE PREMISE FOR CONNECTION TO CENTRAL STATION. UFS TO SUPPLY CONNECTION FROM DMARC LOCATION TO FACP. MONTHLY COST OF PHONE LINES IS NOT INCLUDED IN COST OF FIRE ALARM SYSTEM.
3. ALL FIRE ALARM DEVICES TO BE ADDRESSABLE.
4. ALL 120VAC TO BE COORDINATED WITH, AND INSTALLED BY LICENSED ELECTRICIAN.
5. FIELD VERIFY ALL CABLE ROUTES, DEVICE LOCATIONS AND QUANTITIES OF EACH.
6. INITIATING DEVICE CIRCUITS SHALL BE CLASS B STYLE B UNLESS NOTED OTHERWISE.
7. NOTIFICATION APPLIANCE CIRCUITS SHALL BE CLASS B, STYLE Y UNLESS NOTED OTHERWISE.
8. SIGNALING LINE CIRCUITS SHALL BE CLASS B, STYLE 3 UNLESS NOTED OTHERWISE.
9. THE FIRE ALARM CONTRACTOR SHALL BE CERTIFIED IN ACCORDANCE WITH STATE AND LOCAL LAW.
10. FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA, IBC AND LOCAL ORDINANCES.
11. FIRE ALARM CONTROL PANEL SHALL HAVE UL LISTED BATTERY BACKUP.
12. EQUIPMENT SHALL BE ADA COMPLIANT AS APPLICABLE.
13. SYSTEMS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS PERTAINING TO SYSTEMS BEING INSTALLED.
14. ALL DEVICES SHALL BE MONITORED BY FIRE ALARM CONTROL PANEL.
15. ALL COMPONENTS SHALL BE UL LISTED AND FM APPROVED.
16. SPRINKLER SYSTEM CONTROL VALVES AND SWITCHES SHALL BE MONITORED. INITIATION OF THE ALARM SIGNAL SHALL OCCUR WITHIN 90 SECONDS OF WATER FLOW AT THE ALARM INITIATING DEVICE WHEN FLOW OCCURS THAT IS EQUAL TO OR GREATER THAN FROM A SINGLE SPRINKLER OF THE SMALLEST ORIFICE SIZE INSTALLED IN THE SYSTEM.
17. FIRE ALARM CONTROL PANEL SHALL BE CONNECTED TO 24 HOUR CENTRAL MONITORING STATION.
18. FIRE ALARM SYSTEM SHALL MONITOR HVAC DUCTS, AS SPECIFIED BY DIVISION.
19. ELECTRICAL CONTRACTOR SHALL PROVIDE AND WIRE DETECTORS AS REQUIRED, MECHANICAL CONTRACTOR SHALL INSTALL DETECTORS, ELECTRICAL CONTRACTOR SHALL PROVIDE A RELAY OUTPUT TO THE HVAC CONTROL SYSTEM FOR SYSTEM SHUTDOWN.
20. FIRE ALARM ZONE INDICATOR PANEL MUST BE LOCATED AT GRADE LEVEL AT THE NORMAL POINT OF FIRE DEPARTMENT ACCESS OR AT A CONSTANTLY ATTENDED BUILDING SECURITY CONTROL CENTER. VERIFY LOCATION WITH LOCAL FIRE DEPARTMENT.
21. IN AREAS THAT HAVE CONTROLLING EQUIPMENT, NOT CONTINUOUSLY OCCUPIED, AUTOMATIC SMOKE DETECTION MUST BE PROVIDED AT EACH CONTROL UNIT(S) (I.E. FIRE ALARM CONTROL PANEL, ETC.). HEAT DETECTION IS PERMITTED IF AMBIENT CONDITIONS PROHIBIT INSTALLATION OF SMOKE DETECTION.
22. ALL DETECTION DEVICES USED TO CAUSE THE OPERATION OF HVAC SYSTEM SMOKE DAMPERS, FIRE DAMPERS, FAN CONTROL, SMOKE DOORS AND FIRE DOORS SHALL BE MONITORED FOR INTEGRITY.
23. THE FIRE ALARM CONTROL PANEL CIRCUIT DISCONNECTING MEANS SHALL HAVE A RED MARKING, SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT". THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.
24. FIRE ALARM CONDUCTORS SHALL BE UL LISTED FIRE ALARM CABLE AND PLENUM RATED FOR PLENUM SPACES.
25. SYSTEM CONDUCTORS CONCEALED IN WALLS SHALL BE RUN IN METALLIC TUBING. SYSTEM CONDUCTORS IN THE ROOM STRUCTURE SPACE AND ABOVE CEILING SHALL BE SECURED WITH GAT FASTENERS AND BRIDLE RUNGS. ANY CONDUCTOR TAPS OR SPLICES SHALL BE MADE IN METAL JUNCTION BOXES.
26. ALL VISIBLE / AUDIBLE APPLIANCES SHALL BE LOCATED AND MOUNTED PER NFPA 72.
A. IF CEILING HEIGHTS ALLOW, WALL MOUNTED AUDIBLE APPLIANCE SHALL HAVE THEIR TOPS ABOVE THE FINISHED FLOORS AT HEIGHTS OF NOT LESS THAN 90 INCHES AND BELOW THE FINISHED CEILING NOT LESS THAN 6 INCHES. CEILING MOUNTED OR RECESSED APPLIANCES SHALL BE PERMITTED.
B. WALL MOUNTED VISIBLE APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80 INCHES AND NOT GREATER THAN 96 INCHES ABOVE THE FINISHED FLOOR.
C. IF COMBINATION AUDIBLE / VISIBLE APPLIANCES ARE INSTALLED, THE LOCATION OF THE INSTALLED APPLIANCE SHALL BE DETERMINED BY THE REQUIREMENTS OF NFPA 72.
27. ALL VISIBLE NOTIFICATION APPLIANCES IN THE SAME ROOM OR ADJACENT SPACE WITHIN THE SAME FIELD OF VIEW MUST FLASH IN SYNCHRONIZATION.
28. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT GENERAL SCOPE OF WORK. INSTALLING TECHNICIAN OR FIELD SUPERVISOR IS RESPONSIBLE FOR REVIEWING GENERAL CONSTRUCTION DRAWINGS, ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS, AND ASSOCIATED SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF CONSTRUCTION.
29. ALL HOLES THROUGH FIRE RATED WALLS SHALL BE PATCHED OR PLUGGED WITH FIRE RATED ASSEMBLY AS REQUIRED BY THE CONSTRUCTION MATERIAL ENCOUNTERED AND THE SIZE OF THE HOLE.
30. COORDINATE FINAL LOCATION OF FIRE ALARM DEVICES WITH LIGHT FIXTURES, DIFFUSERS, RETURN AND SUPPLY AIR GRILLES, ETC.
31. TO AVOID CONTAMINATION AND DUST ACCUMULATION IN THE SMOKE DETECTORS, SMOKE DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER CONSTRUCTION IS COMPLETED AND THE SUBJECT AREA HAS BEEN CLEANED PER NFPA 72. THE SUPPLIER IS NOT RESPONSIBLE FOR DUST ACCUMULATION IN SMOKE DETECTORS AND WILL NOT WARRANT DEVICES THAT HAVE NOT BEEN PROPERLY MAINTAINED. WHEN DETECTORS ARE INSTALLED, PROTECTIVE COVERS SHALL BE INSTALLED OVER EACH DETECTOR AND REMOVED BY AUTHORIZED SERVICE PERSONNEL.
32. DO NOT RELOCATE ANY DEVICES WITHOUT AHJ / ENGINEER APPROVAL.
33. NOTE ANY DEVIATIONS FROM THESE SHOP DRAWINGS TO BE REFLECTED ON AS-BUILT DRAWINGS.

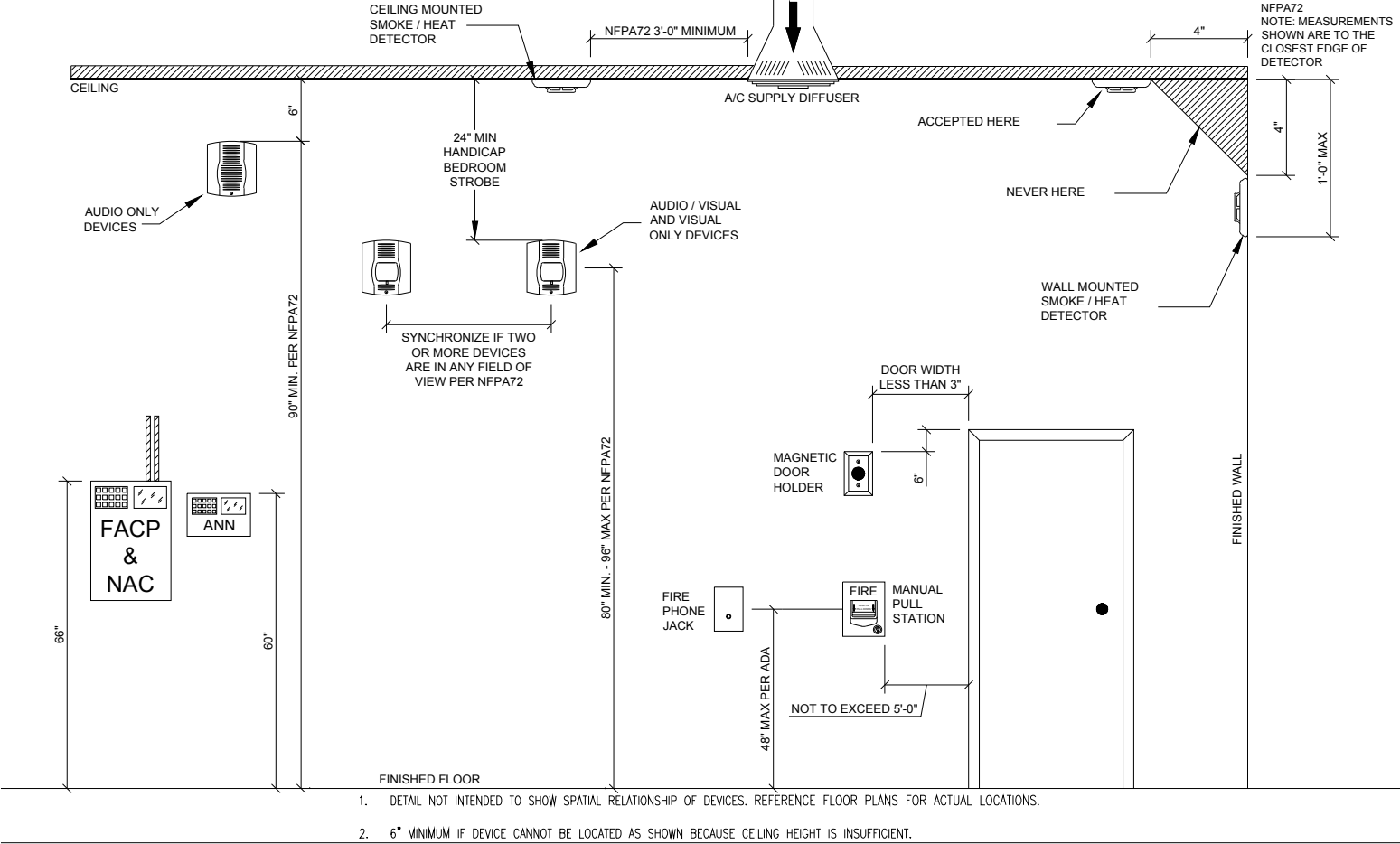
BUILDING(S) SQUARE FOOTAGE:

CLUBHSE 1ST FLR SQ. FT: 12,283 SQ FT
CLUBHSE 2ND FLR SQ. FT: 5,557 SQ FT
CLUBHSE TOTAL SQ FT: 17,840 SQ FT
TYPE A 1ST FLR SQ. FT: 6,720 SQ FT
TYPE A 2ND FLR SQ. FT: 6,960 SQ FT
TYPE A 3RD FLR SQ. FT: 6,480 SQ FT
TYPE B 1ST FLR SQ. FT: 20,160 SQ FT
TYPE B 2ND FLR SQ. FT: 8,064 SQ FT
TYPE B 3RD FLR SQ. FT: 8,352 SQ FT
TYPE B 3RD FLR SQ. FT: 7,776 SQ FT
TYPE B TOTAL SQ. FT: 24,192 SQ FT
TYPE C 1ST FLR SQ. FT: 7,084 SQ FT
TYPE C 2ND FLR SQ. FT: 7,310 SQ FT
TYPE C 3RD FLR SQ. FT: 6,048 SQ FT
TYPE C TOTAL SQ. FT: 20,442 SQ FT
TYPE D 1ST FLR SQ. FT: 6,592 SQ FT
TYPE D 2ND FLR SQ. FT: 6,592 SQ FT
TYPE D 3RD FLR SQ. FT: 6,192 SQ FT
TYPE D TOTAL SQ. FT: 19,376 SQ FT

COTTAGE(S) SQUARE FOOTAGE:

TYPE D3 1ST FLR SQ. FT: 1,457 SQ FT
TYPE D3 2ND FLR SQ. FT: 839 SQ FT
TYPE D3 TOTAL SQ. FT: 2,296 SQ FT
TYPE D2A & D2B 1ST FLR SQ. FT: 1,100 SQ FT
TYPE D2A & D2B 2ND FLR SQ. FT: 1,100 SQ FT
TYPE D2A & D2B TOTAL SQ. FT: 2,200 SQ FT
TYPE D4A & D4B 1ST FLR SQ. FT: 2,274 SQ FT
TYPE D4A & D4B 2ND FLR SQ. FT: 2,204 SQ FT
TYPE D4A & D4B TOTAL SQ. FT: 4,478 SQ FT
TYPE C4A & C4B 1ST FLR SQ. FT: 1,937 SQ FT
TYPE C4A & C4B 2ND FLR SQ. FT: 1,499 SQ FT
TYPE C4A & C4B TOTAL SQ. FT: 3,437 SQ FT
TYPE C3 1ST FLR SQ. FT: 931 SQ FT
TYPE C3 2ND FLR SQ. FT: 748 SQ FT
TYPE C3 TOTAL SQ. FT: 1,679 SQ FT

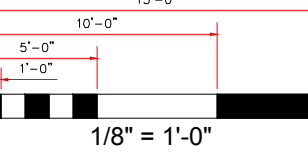
DEVICE MOUNTING HEIGHT LEGEND



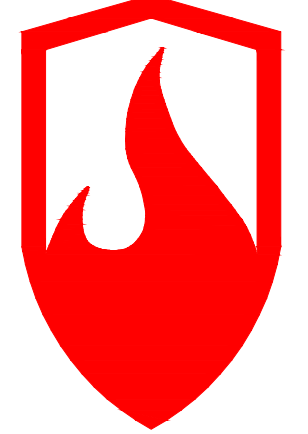
COTTAGES ON HOLLYWOOD
1319 S HOLLYWOOD AVE
FAYETTEVILLE, AR 72703
FIRE ALARM

ORIGINAL DRAWINGS PROVIDED BY:
JORDAN & SKALA ENGINEERS
AMT ENGINEERS

FIRE ALARM MANUFACTURER AND MODEL NUMBER:
GAMEWELL - FCI 70758



LICENSING INFORMATION:
AR ALARM: CMPY001847
AR CONTRACTORS: 0028470419
AR SUPPRESSION: PF-164
AR CERT. OF REQ. - #PF-164
OK ALARM: AC302
TX FIRE ALARM: AGR1765467



REGULATED BY THE ARKANSAS BOARD OF PRIVATE INVESTIGATORS AND SECURITY AGENCIES
1 STATE POLICE PLAZA DRIVE
LITTLE ROCK, AR 72209
501-618-8600

UFS JOB NUMBER: U1435

DRAWINGS PREPARED BY:
AUSTIN RAINEY
NICET 148582

DRAWING REVIEWED BY:
ROB EVATT SET
NICET 115734
APS-1775810
DATE: 10-10-2018

UNITED FIRE SUPPRESSION

4104 HONEYUCKLE LN
ROGERS, AR 72758

PH: 479-986-9090

FX: 479-986-9091

ARAINNEY@AAS-UFS.COM

REVATT@AAS-UFS.COM

REVISIONS

Table with 2 columns: Revision number (1-8) and Description of changes.

FIRE ALARM TITLE SHEET

F0



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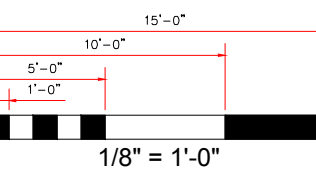
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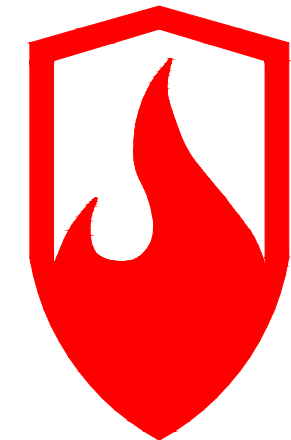
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FIRE ALARM

ORIGINAL DRAWINGS  
PROVIDED BY:  
JORDAN & SKALA ENGINEERS  
AMT ENGINEERS

FIRE ALARM  
MANUFACTURER  
AND MODEL NUMBER:  
GAMEWELL - FCI 70758



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AR CONTRACTORS: 0028470419  
AR SUPPRESSION: PF-164  
AR CERT. OF REQ.: #PF-164  
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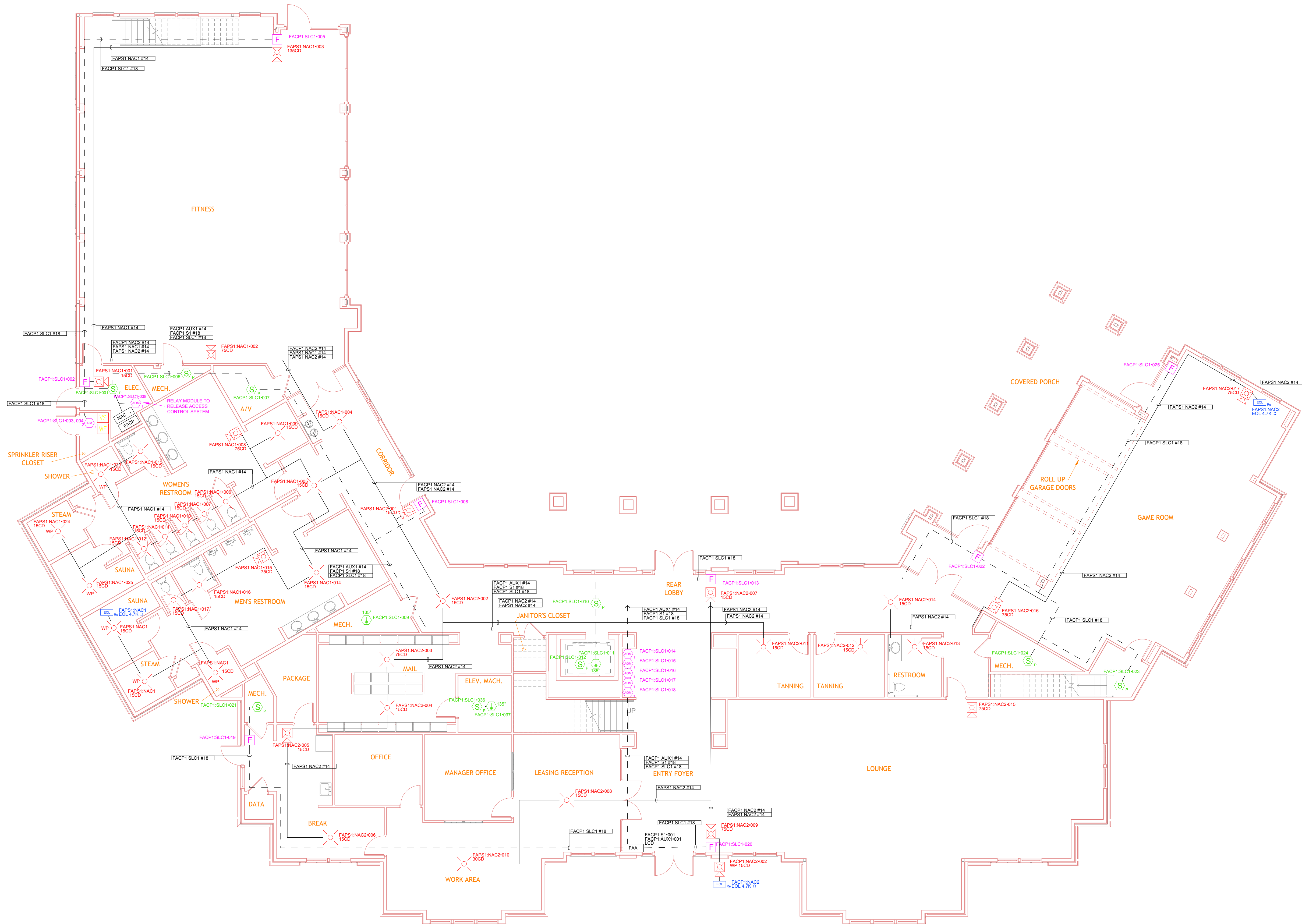
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REVATT@AAS-UFS.COM

REVISIONS	
1	10-22-2018
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CLUBHOUSE  
1ST FLR FA PLAN

F1



# 01 CLUBHOUSE 1ST FLR FA PLAN

SCALE 1/8"=1'-0"

NOTE: FIELD VERIFY PIV INSTALLATION LOCATIONS.

Reviewed For Minimum Compliance with  
the Arkansas Fire Prevention Code (AFPC)  
By: Rodney Colson, P.E.  
Fire Protection Engineer  
10/23/2018



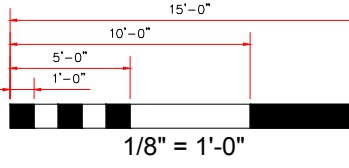
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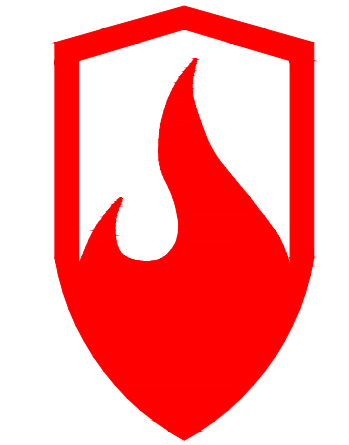
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FIRE ALARM

**ORIGINAL DRAWINGS  
PROVIDED BY:**  
JORDAN & SKALA ENGINEERS  
AMT ENGINEERS

**FIRE ALARM  
MANUFACTURER  
AND MODEL NUMBER:**  
GAMEWELL - FCI 7075B



LICENSING INFORMATION:  
AR ALARM: CMPY001847  
AR CONTRACTORS: 002847041  
AR SUPPRESSION: PF-164  
AR CERT. OF REQ. : #PF-164  
OK ALARM: AC302  
TX FIRE ALARM: ACR-1765467



UFS JOB NUMBER: U1435

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NICET 148582

DRAWING REVIEWED BY:  
ROB EVATT SET  
NICET 115734

DATE: 10-10-2018

UNITED FIRE SUPPRESSION

4104 HONEYSUCKLE LN  
ROGERS, AR 72578

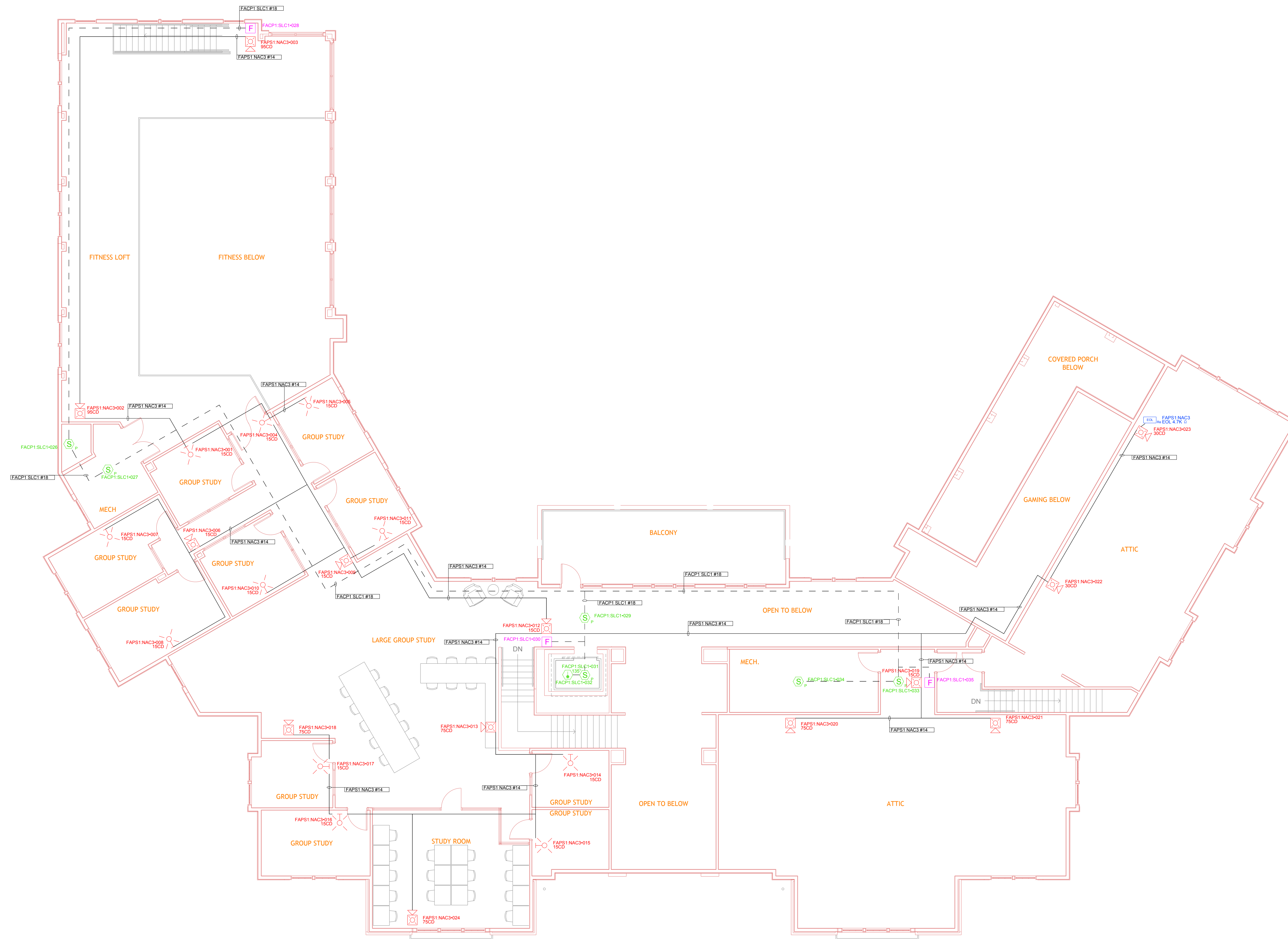
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FY: 479-986-9091

ARAINY@AAS-UFS.COM

REVISIONS	
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CLUBHOUSE  
2ND FLR FA PLAN

# F2



NOTE: FIELD VERIFY PIV INSTALLATION LOCATIONS.

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By: Rodney Colson, P.E.  
Fire Protection Engineer  
10/29/2018



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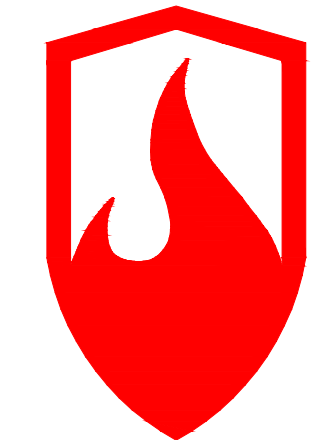
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COTTAGES ON HOLLYWOOD  
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FIRE ALARM

ORIGINAL DRAWINGS  
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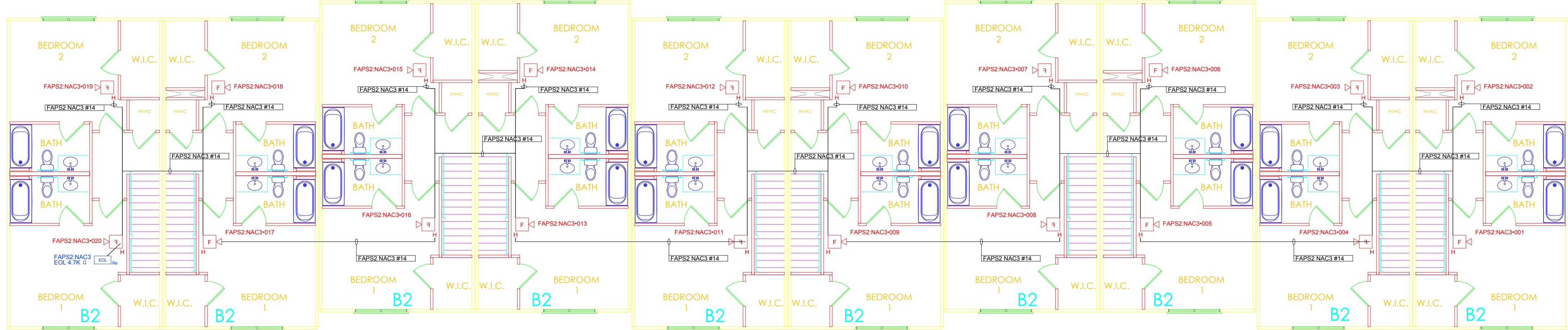
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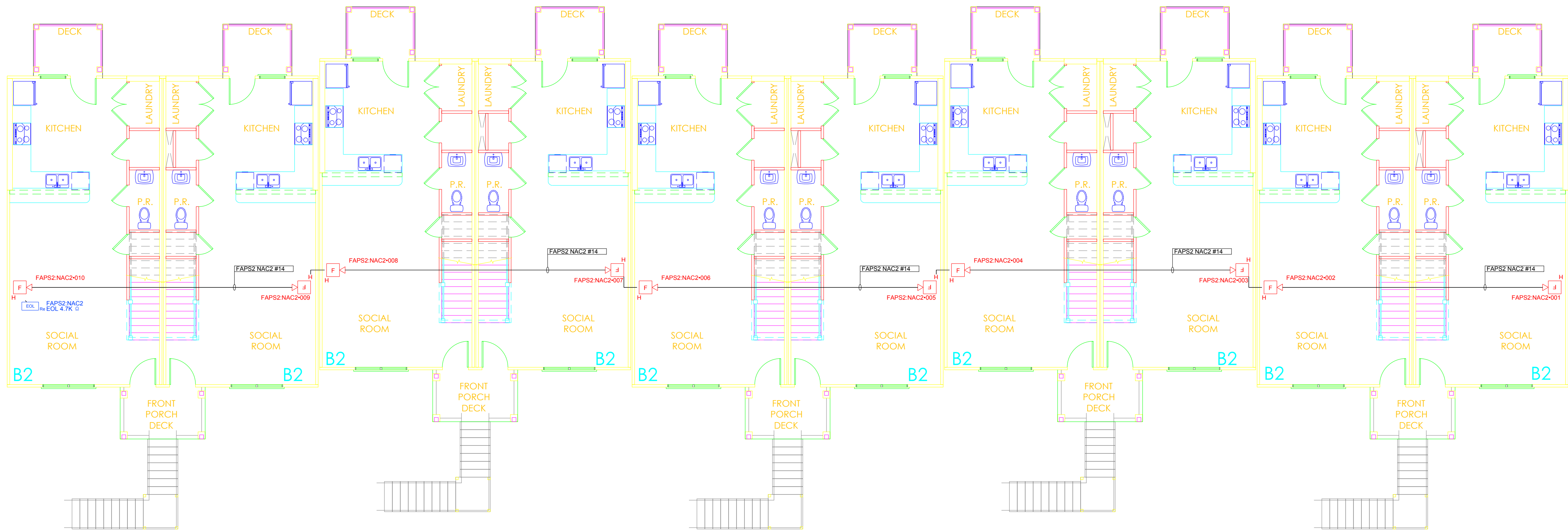
REVISIONS	
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BLDG "600"  
FIRE ALARM PLAN

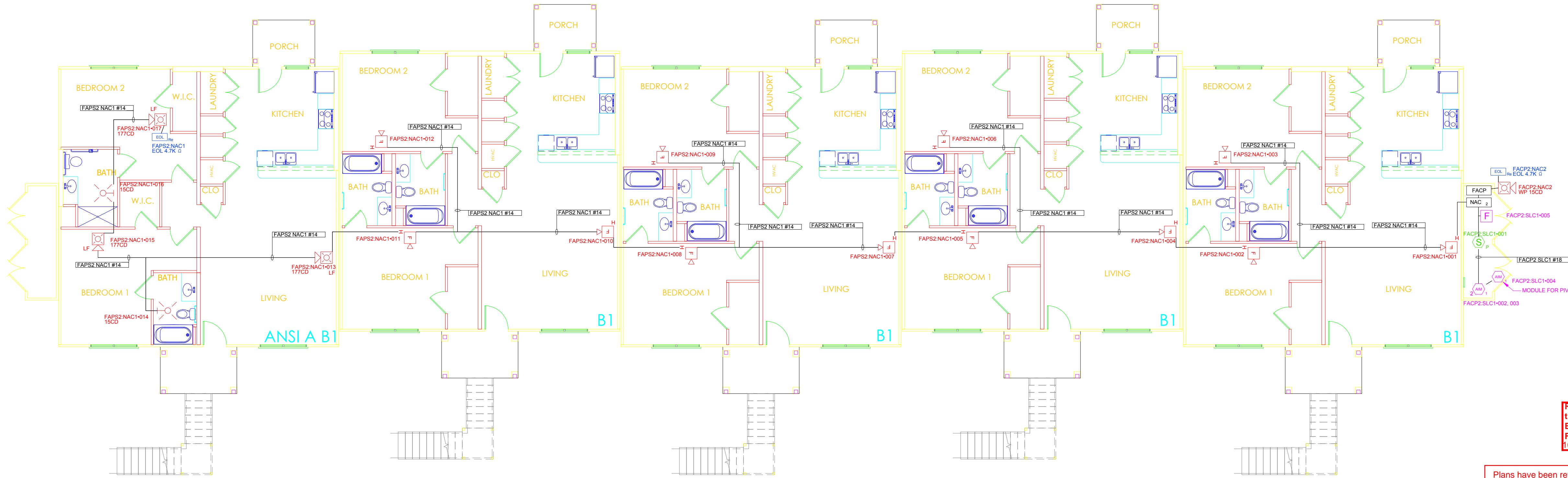
F3



01 BLDG "600" - 3RD LVL  
SCALE 1/8"=1'-0"



01 BLDG "600" - 2ND LVL  
SCALE 1/8"=1'-0"



01 BLDG "600" - 1ST LVL  
SCALE 1/8"=1'-0"

NOTE: FIELD VERIFY PIV INSTALLATION LOCATIONS.

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10/23/2018

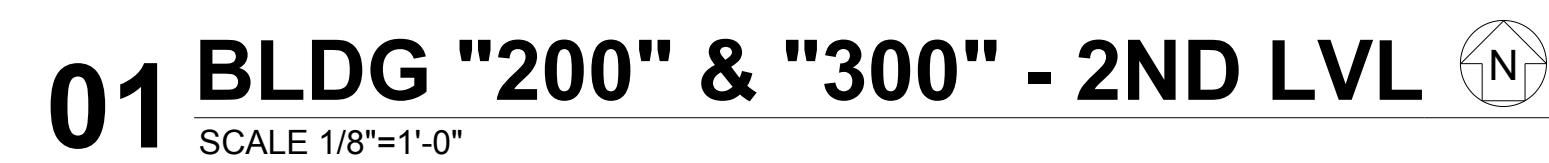
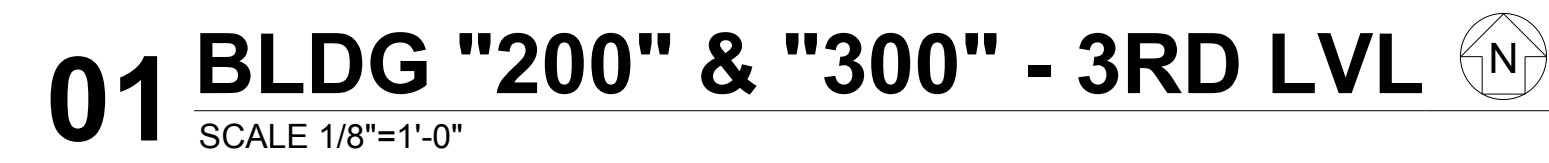


Plans have been reviewed for compliance with the Arkansas Fire Prevention Code and NFPA requirements:  
1. Stamped plans must be kept on site for use by the inspector.  
2. Any deviation from the stamped plans shall be submitted for approval before installation.  
3. Schedule a request for an inspection by calling the Fire Marshal's Office, (479)444-3448.  
Inspection requests shall be made by the general contractor.  
4. This examination of the submitted documents does not relieve the owner, designers and contractors or their representatives from their individual or collective responsibility to comply with applicable provisions of the accepted codes. This examination is not to be construed as a check of every item in the submitted plans and documents and does not prevent the Fire Marshal from hereafter requiring corrections in plans or construction.









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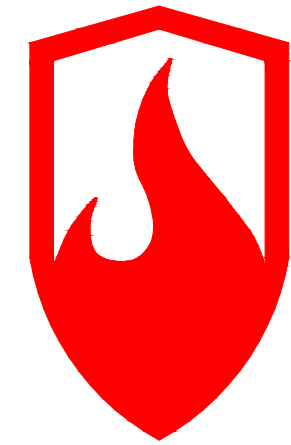
J

COTTAGES ON HOLLYWOOD  
1319 S HOLLYWOOD AVE  
FAYETTEVILLE, AR 72703  
FIRE ALARM

ORIGINAL DRAWINGS  
PROVIDED BY:  
JORDAN & SKALA ENGINEERS  
AMT ENGINEERS

FIRE ALARM  
MANUFACTURER  
AND MODEL NUMBER:  
GAMEWELL - FCI 70758

LICENSING INFORMATION:  
AR ALARM: CMPY001847  
AR CONTRACTORS: 0028470419  
AR SUPPRESSION: PF-164  
AR CERT. OF REQ.: #PF-164  
OK ALARM: AC302  
TX FIRE ALARM: AGR-1755467



REGULATED BY THE ARKANSAS  
BOARD OF PRIVATE  
INVESTIGATORS AND PRIVATE  
SECURITY AGENCIES  
1 STATE POLICE PLAZA DRIVE  
LITTLE ROCK, AR 72209  
501-616-8900

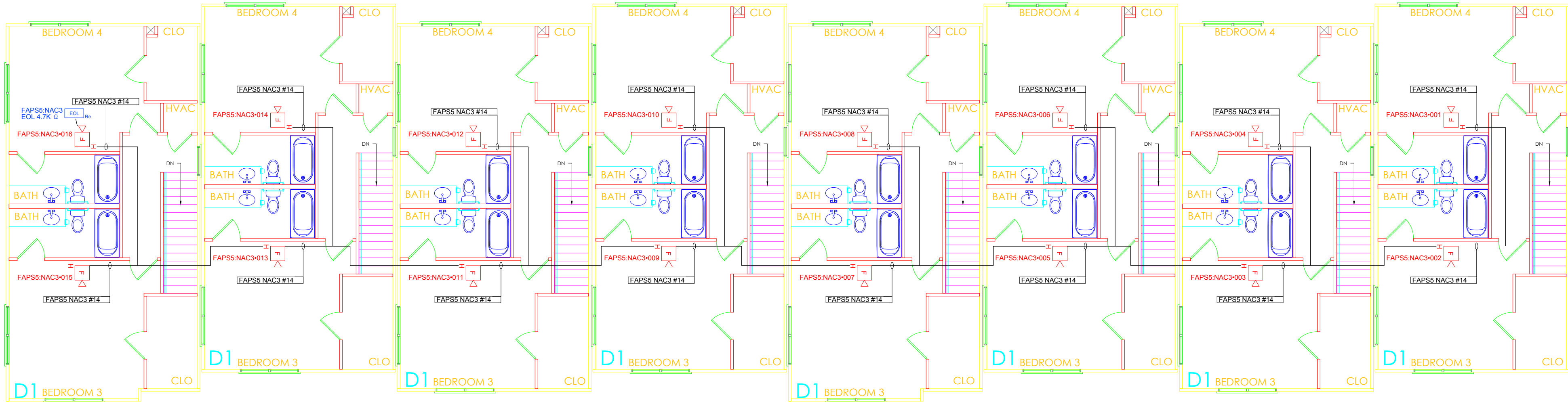
UFS JOB NUMBER: U1435  
DRAWINGS PREPARED BY:  
AUSTIN RAINEY  
NICET 148582  
DRAWING REVIEWED BY:  
ROB EVATT SET  
NICET 115734  
APS-1775810  
DATE: 10-10-2018

UNITED FIRE SUPPRESSION  
4104 HONEYSUCKLE LN  
ROGERS, AR 72758  
PH: 479-886-9090  
FX: 479-886-9091  
ARAINNEY@AAS-UFS.COM  
REVATT@AAS-UFS.COM

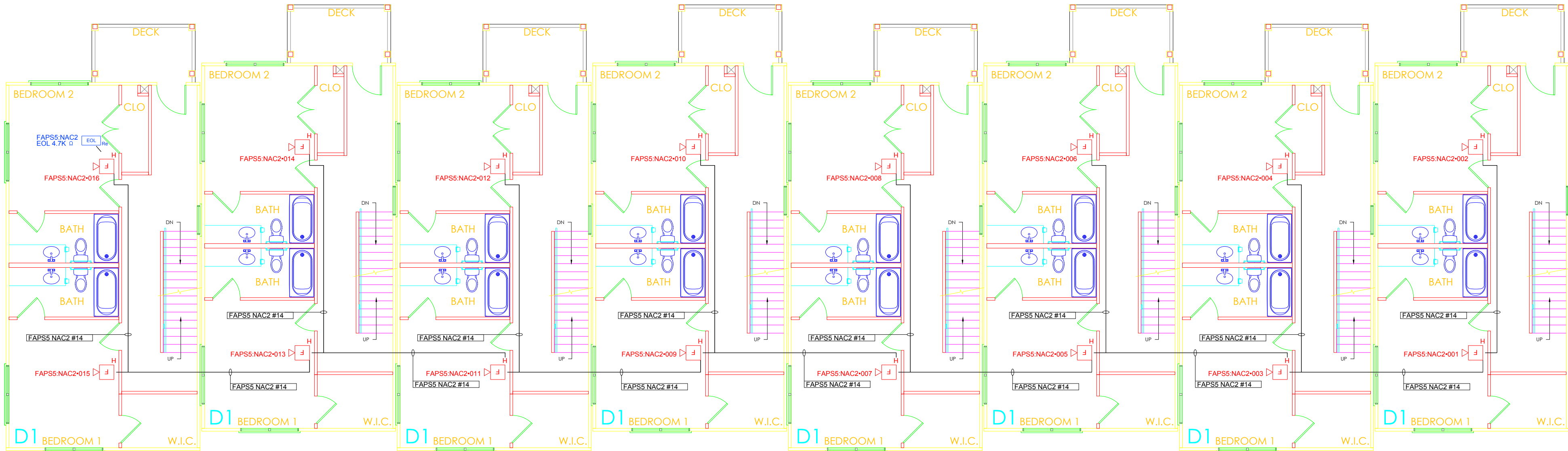
REVISIONS	
1	10-22-2018
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BLDG "100" & "400"  
FIRE ALARM PLAN

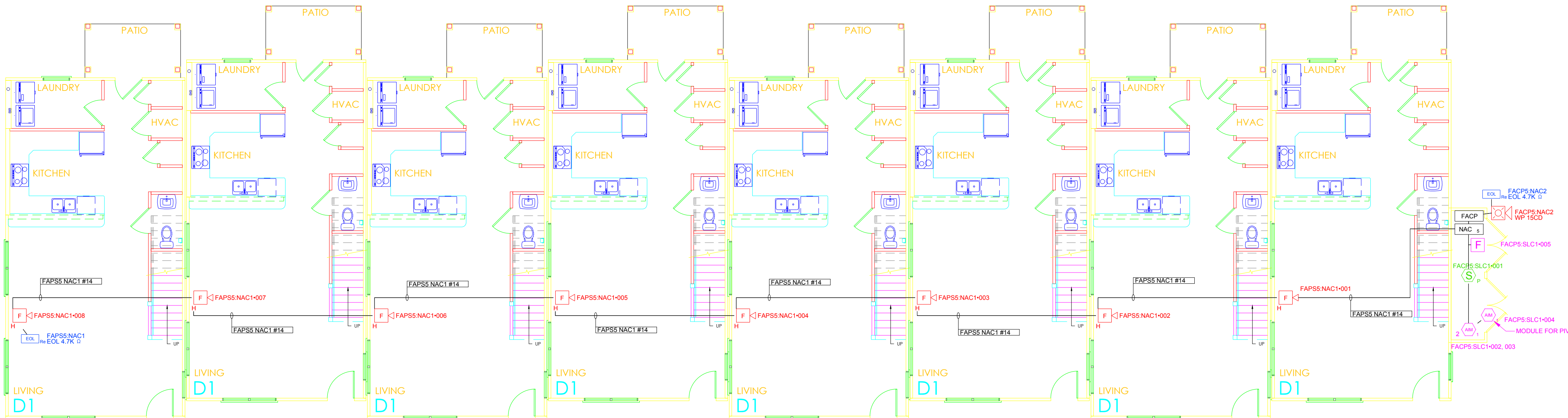
F6



01 BLDG "100" & "400" - 3RD LVL  
SCALE 1/8"=1'-0"



01 BLDG "100" & "400" - 2ND LVL  
SCALE 1/8"=1'-0"



01 BLDG "100" & "400" - 1ST LVL  
SCALE 1/8"=1'-0"

NOTE: FIELD VERIFY PIV INSTALLATION LOCATIONS.

Reviewed For Minimum Compliance with  
the Arkansas Fire Prevention Code (AFPC)  
By: Rodney Colson, P.E.  
Fire Protection Engineer  
10/29/2018



Plans have been reviewed for compliance with the Arkansas Fire Prevention Code and NFPA requirements:  
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the submitted plans and documents and does not prevent the Fire Marshal from hereafter requiring  
corrections in plans or construction.



Appliance List				Appliance List	
Device	Address	Circuit	Part Number	Description	
ANNUNCIATOR	UDJ-7418	AUX1	RA-1000	REMOTE ANNUNCIATOR, GRAY	
HORN/STROBE	UDJ-7480	NAC2	ADOM-2F	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE	
END OF LINE	UDJ-7516	NAC2	EOL-4.7K	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE	
PHOTOELECTRIC DETECTOR	001	SLC1	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
DUAL MONITOR MODULE	003	003	ADOM-2F	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE	
ADDRESSABLE PULL STATION	005	SLC1	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	006	SLC1	MS-7AF	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE	
PHOTOELECTRIC DETECTOR	007	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
ADDRESSABLE PULL STATION	008	SLC1	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
HEAT DETECTOR	009	SLC1	ATD-13	THERMAL HEAT DETECTOR 135F, BRIGHT WHITE	
PHOTOELECTRIC DETECTOR	010	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
HEAT DETECTOR	011	SLC1	ATD-13	THERMAL HEAT DETECTOR 135F, BRIGHT WHITE	
PHOTOELECTRIC DETECTOR	012	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
HEAT DETECTOR	013	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
CONTROL MODULE	014	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
CONTROL MODULE	015	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
CONTROL MODULE	016	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
CONTROL MODULE	017	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
CONTROL MODULE	018	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
ADDRESSABLE PULL STATION	019	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
ADDRESSABLE PULL STATION	020	SLC1	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	021	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
ADDRESSABLE PULL STATION	022	SLC1	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	023	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	024	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	025	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	026	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	027	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
ADDRESSABLE PULL STATION	028	SLC1	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	029	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
ADDRESSABLE PULL STATION	030	SLC1	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	031	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	032	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	033	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	034	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	035	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
PHOTOELECTRIC DETECTOR	036	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
HEAT DETECTOR	037	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
CONTROL MODULE	038	SLC1	ADOM-2F	PULL STATION, DOUBLE ACTION, ADDRESSABLE	
HORN/STROBE	UDJ-7185	NAC1	PZW1	L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL	
HORN/STROBE	UDJ-7187	NAC1	PZW1	L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL	
HORN/STROBE	UDJ-7188	NAC1	PZW1	L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL	
HORN/STROBE	UDJ-7189	NAC1	PZW1	L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL	
STROBE	UDJ-7184	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7185	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7186	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7187	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7188	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7189	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7190	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7191	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7192	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7193	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7194	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7195	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7196	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7197	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	
STROBE	UDJ-7198	NAC1	SCWL	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	

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Appliance List (cont.)

Device	Address	Circuit	Part Number	Description
HORN/STROBE	UID: 75027	NAC1	P2WHF	HORN/STROBE, 2 WIRE, M-C HIGH, LOW FREQ, WH
STROBE	UID: 75028	NAC1	SWL	SERIES STROBE, WHITE, WALL
STROBE	UID: 75029	NAC1	SWL	L-SERIES STROBE, WHITE, WALL
END OF LINE	UID: 75030	NAC1	EOL-4.7K	EOL-4.7K
HORN/STROBE	UID: 75047	NAC1	P2WHF	HORN/STROBE, 2 WIRE, M-C HIGH, LOW FREQ, WH
HORN	UID: 75062	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75063	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75064	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75065	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75066	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75067	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75068	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75069	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75070	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75071	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75072	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75073	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
END OF LINE	UID: 75086	NAC2	EOL-4.7K	EOL-4.7K
HORN	UID: 75088	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75089	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75090	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75091	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75092	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75093	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75094	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75095	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75096	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75097	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75098	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75099	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75100	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75101	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75102	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75103	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75104	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75105	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75106	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75107	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
END OF LINE	UID: 75108	NAC3	EOL-4.7K	EOL-4.7K
HORN/STROBE	UID: 80463	NAC1	P2RK	HORN/STROBE, 2 WIRE, M-C, RED, OUTDOOR
STROBE	UID: 80464	NAC1	SWL	SERIES STROBE, WHITE, WALL
HORN	UID: 75002	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75003	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75004	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75011	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75012	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75013	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75014	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75015	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 75016	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
END OF LINE	UID: 75046	NAC2	EOL-4.7K	EOL-4.7K
PHOTOELECTRIC DETECTOR	001	SLC1	ASD-P3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE
DUAL MONITOR MODULE	002	003	SLC1	AMM-2P DUAL MONITOR MODULE, ADDRESSABLE, CLASS B
ADDRESSABLE PULL STATION	005	SLC1	MS-TAF	PULL STATION, DOUBLE ACTION, ADDRESSABLE
HORN	UID: 76662	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 76663	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 76664	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 76665	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 76666	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 76667	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 76668	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 76669	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 76670	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
END OF LINE	UID: 77506	NAC1	EOL-4.7K	EOL-4.7K
HORN	UID: 76671	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 76672	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 76673	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 76674	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN/STROBE	UID: 76675	NAC2	P2WHF	HORN/STROBE, 2 WIRE, M-C HIGH, LOW FREQ, WH
STROBE	UID: 76676	NAC2	P2WHF	SERIES STROBE, WHITE, WALL
STROBE	UID: 77410	NAC2	SWL	L-SERIES STROBE, WHITE, WALL
STROBE	UID: 77411	NAC2	SWL	L-SERIES STROBE, WHITE, WALL
HORN/STROBE	UID: 77412	NAC2	P2WHF	HORN/STROBE, 2 WIRE, M-C HIGH, LOW FREQ, WH
HORN/STROBE	UID: 77413	NAC2	P2WHF	HORN/STROBE, 2 WIRE, M-C HIGH, LOW FREQ, WH
END OF LINE	UID: 77414	NAC2	EOL-4.7K	EOL-4.7K
HORN	UID: 77502	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77413	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77414	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77415	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77417	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77418	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77419	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77420	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77421	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77422	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77423	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77424	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77425	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77426	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77427	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77428	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77429	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
END OF LINE	UID: 77517	NAC3	EOL-4.7K	EOL-4.7K
HORN	UID: 77430	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77431	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77432	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77433	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77434	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77435	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77436	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77437	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77438	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77439	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77440	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77441	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77442	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77443	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77444	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 77445	NAC4	HWF	LOW FREQUENCY SOUNDER, WH
END OF LINE	UID: 80470	NAC2	EOL-4.7K	EOL-4.7K
HORN/STROBE	UID: 80471	NAC2	P2RK	HORN/STROBE, 2 WIRE, M-C, RED, OUTDOOR
STROBE	UID: 80472	NAC2	SWL	SERIES STROBE, WHITE, WALL
END OF LINE	UID: 80473	NAC2	EOL-4.7K	EOL-4.7K
PHOTOELECTRIC DETECTOR	001	SLC1	ASD-P3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE
DUAL MONITOR MODULE	002	003	SLC1	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B
MONITOR MODULE	005	SLC1	AMM-4F	MONITOR MODULE, ADDRESSABLE, CLASS A OR B
ADDRESSABLE PULL STATION	005	SLC1	MS-TAF	PULL STATION, DOUBLE ACTION, ADDRESSABLE
HORN	UID: 78303	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78304	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78305	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78306	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78307	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78308	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78309	NAC1	HWF	LOW FREQUENCY SOUNDER, WH
END OF LINE	UID: 78355	NAC1	EOL-4.7K	EOL-4.7K
HORN	UID: 78311	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78312	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78372	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78373	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78374	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78375	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78377	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78380	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
END OF LINE	UID: 78381	NAC2	EOL-4.7K	EOL-4.7K
HORN	UID: 78384	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78385	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78386	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78387	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78389	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78392	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78393	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78396	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78397	NAC2	HWF	LOW FREQUENCY SOUNDER, WH
END OF LINE	UID: 78408	NAC2	EOL-4.7K	EOL-4.7K
HORN	UID: 78327	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78328	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78329	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78330	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78331	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78332	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78333	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78334	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78335	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78336	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78337	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78338	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78339	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78340	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78341	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
HORN	UID: 78342	NAC3	HWF	LOW FREQUENCY SOUNDER, WH
END OF LINE	UID: 78435	NAC3	EOL-4.7K	EOL-4.7K
HORN/STROBE	UID: 80489	NAC2	P2RK	HORN/STROBE, 2 WIRE, M-C, RED, OUTDOOR
STROBE	UID: 80490	NAC2	SWL	SERIES STROBE, WHITE, WALL
PHOTOELECTRIC DETECTOR	001	SLC1	ASD-P3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE
DUAL MONITOR MODULE	002	003	SLC1	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B
DUAL MONITOR MODULE	003	004	SLC1	DUAL MONITOR MODULE, ADDRESSABLE, CLASS A OR B
ADDRESSABLE PULL STATION	005	SLC1	MS-TAF	PULL STATION, DOUBLE ACTION, ADDRESSABLE

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Battery Calculations for Panel: FACP1						
Part No: GWF-7075B - GWF-7075, INTELLIGENT FACP, BLACK						
Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
GWF-7075_MB		Panel Equipment				
	1	GWF-7075_MB	0.1650A	0.1650A	0.3100A	0.3100A
		Total Panel Sbtly	0.1650A	0.1650A	Total Panel Alarm	0.3100A
		Peripheral Devices				
PSN-64	1	NAC POWER SUPPLY 6 AMP 4 OUTPUT, PSN-64_MB (Notification)	0.0000A	0.0000A	0.0050A	0.0050A
P2RK	1	HORN/STROBE, 2 WIRE, M-C, RED, OUTDOOR (Notification)	0.0000A	0.0000A	0.0660A	0.0660A
EOL-4.7	1	EOL-4.7K (Notification)	0.0000A	0.0000A	0.0000A	0.0000A
RA-1000	1	REMOTE ANNUNCIATOR, GRAY (Power)	0.0200A	0.0200A	0.0250A	0.0250A
MS-7AF	1	PULL STATION, DOUBLE ACTION, ADDRESSABLE (Signaling line)	0.0003A	0.0003A	0.0100A	0.0100A
ASD-PL3	11	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE (Signaling line)	0.0002A	0.0002A	0.0002A	0.0002A
ATD-L3	4	THERMAL, HEAT DETECTOR 135F, BRIGHT WHITE (Signaling line)	0.0002A	0.0002A	0.0002A	0.0002A
AMM-2IF	1	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B (Signaling line)	0.0075A	0.0075A	0.0075A	0.0075A
AOM-2RF	2	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE (Signaling line)	0.0037A	0.0025A	0.0065A	0.0030A
			0.0571A	0.0250A	Total Periph Alarm	0.2950A
		Total Standby Amps	0.2221A	Total Alarm Amps	0.6005A	
Standby time: 24 Hrs 5.33Ah						
Alarm time: 5 Min 0.05Ah						
Battery requirement: 5.38Ah						
Requirement with compensation: 6.457Ah						

Battery Calculations for Panel: FAPS1						
Part No: PSN-64 - NAC POWER SUPPLY 6 AMP 4 OUTPUT						
Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
PSN-64_MB		Panel Equipment				
	1	6 AMP, 4 NAC PWR SUPPLY_MB	0.0600A	0.0600A	0.2050A	0.2050A
		Total Panel Sbtly	0.0600A	0.0600A	Total Panel Alarm	0.2050A
		Peripheral Devices				
PZWL	1	L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL (Notification)	0.0000A	0.0000A	0.1840A	0.1840A
PZWL	12	L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL (Notification)	0.0000A	0.0000A	0.1110A	1.3320A
SCWL	17	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING (Notification)	0.0000A	0.0000A	0.0410A	0.8970A
SCRK	6	STROBE, 2 WIRE, M-C, RED, CEILING (Notification)	0.0000A	0.0000A	0.0660A	0.3660A
PZWL	8	L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL (Notification)	0.0000A	0.0000A	0.0440A	0.3520A
EOL-4.7K	1	EOL-4.7K (Notification)	0.0000A	0.0000A	0.0000A	0.0000A
SCWL	1	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING (Notification)	0.0000A	0.0000A	0.1110A	0.1110A
SCWL	1	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING (Notification)	0.0000A	0.0000A	0.0630A	0.0630A
SWL	14	L-SERIES STROBE, WHITE, WALL (Notification)	0.0000A	0.0000A	0.0430A	0.6020A
PZWL	2	L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL (Notification)	0.0000A	0.0000A	0.1300A	0.2660A
PZWL	2	L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL (Notification)	0.0000A	0.0000A	0.0650A	0.1300A
		Total Peripheral Sbtly	0.0000A	0.0000A	Total Periph Alarm	4.1330A
		Total Standby Amps	0.0600A	Total Alarm Amps	4.3380A	
Standby time: 24 Hrs 1.44Ah						
Alarm time: 5 Min 0.361Ah						
Battery requirement: 1.801Ah						
Requirement with compensation: 2.162Ah						

Battery Calculations for Panel: FACP2						
Part No: GWF-7075B - GWF-7075, INTELLIGENT FACP, BLACK						
Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
GWF-7075_MB		Panel Equipment				
	1	GWF-7075_MB	0.1650A	0.1650A	0.3100A	0.3100A
		Total Panel Sbtly	0.1650A	0.1650A	Total Panel Alarm	0.3100A
		Peripheral Devices				
PSN-64	1	NAC POWER SUPPLY 6 AMP 4 OUTPUT, PSN-64_MB (Notification)	0.0000A	0.0000A	0.0050A	0.0050A
P2RK	1	HORN/STROBE, 2 WIRE, M-C, RED, OUTDOOR (Notification)	0.0000A	0.0000A	0.0660A	0.0660A
EOL-4.7	1	EOL-4.7K (Notification)	0.0000A	0.0000A	0.0000A	0.0000A
AMM-2IF	1	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B (Signaling line)	0.0075A	0.0075A	0.0075A	0.0075A
ASD-PL3	11	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE (Signaling line)	0.0002A	0.0002A	0.0020A	0.0020A
AMM-4F	1	MONITOR MODULE, ADDRESSABLE, CLASS A OR B (Signaling line)	0.0004A	0.0004A	0.0430A	0.0071A
MS-7AF	1	PULL STATION, DOUBLE ACTION, ADDRESSABLE (Signaling line)	0.0003A	0.0003A	0.0100A	0.0100A
		Total Peripheral Sbtly	0.0004A	0.0004A	Total Periph Alarm	0.0960A
		Total Standby Amps	0.1734A	Total Alarm Amps	0.4060A	
Standby time: 24 Hrs 1.461Ah						
Alarm time: 5 Min 0.033Ah						
Battery requirement: 1.494Ah						
Requirement with compensation: 5.633Ah						

Battery Calculations for Panel: FAPS2						
Part No: PSN-64 - NAC POWER SUPPLY 6 AMP 4 OUTPUT						
Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
PSN-64_MB		Panel Equipment				
	1	6 AMP, 4 NAC PWR SUPPLY_MB	0.0600A	0.0600A	0.2050A	0.2050A
		Total Panel Sbtly	0.0600A	0.0600A	Total Panel Alarm	0.2050A
		Peripheral Devices				
HW-LF	42	LOW FREQUENCY SOUNDER, WH (Notification)	0.0000A	0.0000A	0.1380A	5.7960A
P2WH-LF	3	HORN/STROBE, 2-WIRE, M-C, HIGH, LOW FREQ, WH (Notification)	0.0000A	0.0000A	0.3250A	0.9750A
SW-L	2	L-SERIES STROBE, WHITE, WALL (Notification)	0.0000A	0.0000A	0.0800A	1.0000A
EOL-4.7	3	EOL-4.7K (Notification)	0.0000A	0.0000A	0.0000A	0.0000A
		Total Peripheral Sbtly	0.0000A	0.0000A	Total Periph Alarm	6.8570A
		Total Standby Amps	0.0600A	Total Alarm Amps	7.0620A	
Standby time: 24 Hrs 1.44Ah						
Alarm time: 5 Min 0.588Ah						
Battery requirement: 2.028Ah						
Requirement with compensation: 2.434Ah						

Battery Calculations for Panel: FACP3						
Part No: GWF-7075B - GWF-7075, INTELLIGENT FACP, BLACK						
Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
GWF-7075_MB		Panel Equipment				
	1	GWF-7075_MB	0.1650A	0.1650A	0.3100A	0.3100A
		Total Panel Sbtly	0.1650A	0.1650A	Total Panel Alarm	0.3100A
		Peripheral Devices				
PSN-64	1	NAC POWER SUPPLY 6 AMP 4 OUTPUT, PSN-64_MB (Notification)	0.0000A	0.0000A	0.0050A	0.0050A
P2RK	1	HORN/STROBE, 2 WIRE, M-C, RED, OUTDOOR (Notification)	0.0000A	0.0000A	0.0660A	0.0660A
EOL-4.7	1	EOL-4.7K (Notification)	0.0000A	0.0000A	0.0000A	0.0000A
HW-LF	42	LOW FREQUENCY SOUNDER, WH (Notification)	0.0000A	0.0000A	0.1380A	5.7960A
AMM-2IF	1	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B (Signaling line)	0.0075A	0.0075A	0.0075A	0.0075A
ASD-PL3	1	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE (Signaling line)	0.0002A	0.0002A	0.0020A	0.0020A
AMM-4F	1	MONITOR MODULE, ADDRESSABLE, CLASS A OR B (Signaling line)	0.0004A	0.0004A	0.0430A	0.0071A
MS-7AF	1	PULL STATION, DOUBLE ACTION, ADDRESSABLE (Signaling line)	0.0003A	0.0003A	0.0100A	0.0100A
		Total Peripheral Sbtly	0.0004A	0.0004A	Total Periph Alarm	1.3326A
		Total Standby Amps	0.1734A	Total Alarm Amps	1.6426A	
Standby time: 24 Hrs 1.461Ah						
Alarm time: 5 Min 0.137Ah						
Battery requirement: 4.298Ah						
Requirement with compensation: 5.157Ah						

Battery Calculations for Panel: FAPS3						
Part No: PSN-64 - NAC POWER SUPPLY 6 AMP 4 OUTPUT						
Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
PSN-64_MB		Panel Equipment				
	1	6 AMP, 4 NAC PWR SUPPLY_MB	0.0600A	0.0600A	0.2050A	0.2050A
		Total Panel Sbtly	0.0600A	0.0600A	Total Panel Alarm	0.2050A
		Peripheral Devices				
HW-LF	42	LOW FREQUENCY SOUNDER, WH (Notification)	0.0000A	0.0000A	0.1380A	5.7960A
P2WH-LF	3	HORN/STROBE, 2-WIRE, M-C, HIGH, LOW FREQ, WH (Notification)	0.0000A	0.0000A	0.3250A	0.9750A
SW-L	2	L-SERIES STROBE, WHITE, WALL (Notification)	0.0000A	0.0000A	0.0430A	0.0860A
EOL-4.7	4	EOL-4.7K (Notification)	0.0000A	0.0000A	0.0000A	0.0000A
		Total Peripheral Sbtly	0.0000A	0.0000A	Total Periph Alarm	6.8570A
		Total Standby Amps	0.0600A	Total Alarm Amps	7.0620A	
Standby time: 24 Hrs 1.44Ah						
Alarm time: 5 Min 0.588Ah						
Battery requirement: 2.028Ah						
Requirement with compensation: 2.434Ah						

Plans have been reviewed for compliance with the Arkansas Fire Prevention Code and NFPA requirements:

1. Stamped plans must be kept on site for use by the inspector.

2. Any deviation from the stamped plans shall be submitted for approval before installation.

3. Schedule a request for an inspection by calling the Fire Marshal's Office, (479)443-3448.

Inspection requests shall be made by the general contractor.

4. This examination of the submitted documents does not relieve the owner, designers and contractors or their representatives from their individual or collective responsibility to comply with applicable provisions of the accented codes. This examination is not to be construed as a check of every item in the submitted plans and documents and does not prevent the Fire Marshal from heretaser requiring

Reviewed For Minimum com

the Arkansas Fire Prevention

By: Rodney Colston, P.E.

Fire Protection Engineer

10/26/2018

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Battery Calculations for Panel: FACP4						
Part No:GWf-7075B - GWf-7075, INTELLIGENT FACP, BLACK						
Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
GWf-7075_MB	1	Panel Equipment				
		1 GWf-7075_MB	0.1650A	0.1650A	0.3100A	0.3100A
		Total Panel Stby		0.1650A	Total Panel Alarm	0.3100A
		Peripheral Devices				
PSN-64	1	NAC POWER SUPPLY 6 AMP 4 OUTPUT, PSN-64_MB (Notification)	0.0000A	0.0000A	0.0050A	0.0050A
P2R-K	1	HORN/STROBE, 2 WIRE, M-C, RED, OUTDOOR (Notification)	0.0000A	0.0000A	0.0660A	0.0660A
EOL-4.7	1	EOL-4.7K (Notification)	0.0000A	0.0000A	0.0000A	0.0000A
AMM-2IF	1	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B (Signaling line)	0.0075A	0.0075A	0.0075A	0.0075A
ASD-PL3	1	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE (Signaling line)	0.0002A	0.0002A	0.0020A	0.0020A
AMM-4F	1	MONITOR MODULE, ADDRESSABLE, CLASS A OR B (Signaling line)	0.0004A	0.0004A	0.0011A	0.0011A
MS-7AF	1	PULL STATION, DOUBLE ACTION, ADDRESSABLE (Signaling line)	0.0003A	0.0003A	0.0100A	0.0100A
		Total Peripheral Stby		0.0084A	Total Periph Alarm	0.0960A
		Total Standby Amps		0.1734A	Total Alarm Amps	0.4060A
					Standby time: 24 Hrs	4.161Ah
					Alarm time: 5 Min	0.033Ah
					Battery requirement:	4.194Ah
					Requirement with compensation:	5.033Ah
Compensation Factors - Standby: 1.2 Alarm: 1.2						


Battery Calculations for Panel: FAPS4						
Part No:PSN-64 - NAC POWER SUPPLY 6 AMP 4 OUTPUT						
Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
PSN-64_MB	1	Panel Equipment				
		1 6 AMP, 4 NAC PWR SUPPLY_MB	0.0600A	0.0600A	0.2050A	0.2050A
		Total Panel Stby		0.0600A	Total Panel Alarm	0.2050A
		Peripheral Devices				
HW-LF	40	LOW FREQUENCY SOUNDER, WH (Notification)	0.0000A	0.0000A	0.1380A	0.6720A
EOL-4.7	4	EOL-4.7K (Notification)	0.0000A	0.0000A	0.0000A	0.0000A
P2WH-LF	4	HORN/STROBE, 2-WIRE, M-C HIGH, LOW FREQ, WH (Notification)	0.0000A	0.0000A	0.3250A	1.3000A
SW-L	3	L-SERIES STROBE, WHITE, WALL (Notification)	0.0000A	0.0000A	0.0430A	0.1290A
		Total Peripheral Stby		0.0000A	Total Periph Alarm	7.6010A
		Total Standby Amps		0.0600A	Total Alarm Amps	7.7060A
					Standby time: 24 Hrs	1.44Ah
					Alarm time: 5 Min	0.642Ah
					Battery requirement:	2.082Ah
					Requirement with compensation:	2.499Ah
Compensation Factors - Standby: 1.2 Alarm: 1.2						



Battery Calculations for Panel: FACP5						
Part No:GWf-7075B - GWf-7075, INTELLIGENT FACP, BLACK						
Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
GWf-7075_MB	1	Panel Equipment				
		1 GWF-7075_MB	0.1650A	0.1650A	0.3100A	0.3100A
		Total Panel Stby		0.1650A	Total Panel Alarm	0.3100A
		Peripheral Devices				
PSN-64	1	NAC POWER SUPPLY 6 AMP 4 OUTPUT, PSN-64_MB (Notification)	0.0000A	0.0000A	0.0050A	0.0050A
P2R-K	1	HORN/STROBE, 2 WIRE, M-C, RED, OUTDOOR (Notification)	0.0000A	0.0000A	0.0660A	0.0660A
EOL-4.7	1	EOL-4.7K (Notification)	0.0000A	0.0000A	0.0000A	0.0000A
AMM-2IF	1	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B (Signaling line)	0.0075A	0.0075A	0.0075A	0.0075A
ASD-PL3	1	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE (Signaling line)	0.0002A	0.0002A	0.0020A	0.0020A
AMM-4F	1	MONITOR MODULE, ADDRESSABLE, CLASS A OR B (Signaling line)	0.0004A	0.0004A	0.0011A	0.0011A
MS-7AF	1	PULL STATION, DOUBLE ACTION, ADDRESSABLE (Signaling line)	0.0003A	0.0003A	0.0100A	0.0100A
		Total Peripheral Stby		0.0084A	Total Periph Alarm	0.0960A
		Total Standby Amps		0.1734A	Total Alarm Amps	0.4060A
					Standby time: 24 Hrs	4.161Ah
					Alarm time: 5 Min	0.033Ah
					Battery requirement:	4.194Ah
					Requirement with compensation:	5.033Ah
Compensation Factors - Standby: 1.2 Alarm: 1.2						

Battery Calculations for Panel: FAPS5						
Part No:PSN-64 - NAC POWER SUPPLY 6 AMP 4 OUTPUT						
Part No.	Qty.	Description	Standby	Total Standby	Alarm	Total Alarm
PSN-64_MB	1	Panel Equipment				
		1 6 AMP, 4 NAC PWR SUPPLY_MB	0.0600A	0.0600A	0.2050A	0.2050A
		Total Panel Stby		0.0600A	Total Panel Alarm	0.2050A
		Peripheral Devices				
HW-LF	40	LOW FREQUENCY SOUNDER, WH (Notification)	0.0000A	0.0000A	0.1380A	5.200A
EOL-4.7	3	EOL-4.7K (Notification)	0.0000A	0.0000A	0.0000A	0.0000A
		Total Peripheral Stby		0.0000A	Total Periph Alarm	5.200A
		Total Standby Amps		0.0600A	Total Alarm Amps	5.7250A
					Standby time: 24 Hrs	1.44Ah
					Alarm time: 5 Min	0.477Ah
					Battery requirement:	1.917Ah
					Requirement with compensation:	2.3Ah
Compensation Factors - Standby: 1.2 Alarm: 1.2						

Bill of Material				
Qty.	Description	Manufacturer	Model	Part No.
1	Panel: FACP1			
1	GWf-7075_MB	GAMEWELL FCI	GWf-7075_MB	GWf-7075_MB
1	GWf-7075, INTELLIGENT FACP, BLACK	GAMEWELL FCI	GWf-7075B	GWf-7075B
1	Panel: FAPS1			
1	NAC POWER SUPPLY 6 AMP 4 OUTPUT	POTTER ELECTRIC SIGNAL	PSN-64	PSN-64
1	6 AMP, 4 NAC PWR SUPPLY_MB	POTTER ELECTRIC SIGNAL	PSN-64_MB	PSN-64_MB
1	Panel: FACP2			
1	GWf-7075_MB	GAMEWELL FCI	GWf-7075_MB	GWf-7075_MB
1	GWf-7075, INTELLIGENT FACP, BLACK	GAMEWELL FCI	GWf-7075B	GWf-7075B
1	Panel: FAPS2			
1	NAC POWER SUPPLY 6 AMP 4 OUTPUT	POTTER ELECTRIC SIGNAL	PSN-64	PSN-64
1	6 AMP, 4 NAC PWR SUPPLY_MB	POTTER ELECTRIC SIGNAL	PSN-64_MB	PSN-64_MB
1	Panel: FACP3			
1	GWf-7075_MB	GAMEWELL FCI	GWf-7075_MB	GWf-7075_MB
1	GWf-7075, INTELLIGENT FACP, BLACK	GAMEWELL FCI	GWf-7075B	GWf-7075B
1	Panel: FAPS3			
1	NAC POWER SUPPLY 6 AMP 4 OUTPUT	POTTER ELECTRIC SIGNAL	PSN-64	PSN-64
1	6 AMP, 4 NAC PWR SUPPLY_MB	POTTER ELECTRIC SIGNAL	PSN-64_MB	PSN-64_MB
1	Panel: FACP4			
1	GWf-7075_MB	GAMEWELL FCI	GWf-7075_MB	GWf-7075_MB
1	GWf-7075, INTELLIGENT FACP, BLACK	GAMEWELL FCI	GWf-7075B	GWf-7075B
1	Panel: FAPS4			
1	NAC POWER SUPPLY 6 AMP 4 OUTPUT	POTTER ELECTRIC SIGNAL	PSN-64	PSN-64
1	6 AMP, 4 NAC PWR SUPPLY_MB	POTTER ELECTRIC SIGNAL	PSN-64_MB	PSN-64_MB
1	Panel: FACP5			
1	GWf-7075_MB	GAMEWELL FCI	GWf-7075_MB	GWf-7075_MB
1	GWf-7075, INTELLIGENT FACP, BLACK	GAMEWELL FCI	GWf-7075B	GWf-7075B
1	Panel: FAPS5			
1	NAC POWER SUPPLY 6 AMP 4 OUTPUT	POTTER ELECTRIC SIGNAL	PSN-64	PSN-64
1	6 AMP, 4 NAC PWR SUPPLY_MB	POTTER ELECTRIC SIGNAL	PSN-64_MB	PSN-64_MB
1	REMOTE ANNUNCIATOR, GRAY	GAMEWELL FCI	RA-1000	RA-1000
1	PULL STATION, DOUBLE ACTION, ADDRESSABLE	GAMEWELL FCI	MS-7AF	MS-7AF
19	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE	GAMEWELL FCI	ASD-PL3	ASD-PL3
4	THERMAL HEAT DETECTOR 135F, BRIGHT WHITE	GAMEWELL FCI	ATD-L3	ATD-L3
21	6" BASE, FLANGED, FOR ANALOG SENSOR	GAMEWELL FCI	ADB-FLF	ADB-FLF
6	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE	GAMEWELL FCI	ACM-2RF	ACM-2RF
4	MONITOR MODULE, ADDRESSABLE, CLASS A OR B	GAMEWELL FCI	AMM-4F	AMM-4F
6	STROBE, 2 WIRE, M-C, RED, CEILING	GAMEWELL FCI	AMM-2IF	AMM-2IF
10	HORN/STROBE, 2-WIRE, M-C HIGH, LOW FREQ, WH	SYSTEM SENSOR	P2WH-LF	P2WH-LF
177	LOW FREQUENCY SOUNDER, WH	SYSTEM SENSOR	HW-LF	HW-LF
25	L-SERIES 2-WIRE, HORN STROBE, WHITE, WALL	SYSTEM SENSOR	P2WL	P2WL
21	L-SERIES STROBE, WHITE, WALL	SYSTEM SENSOR	SW-L	SW-L
10	L-SERIES STROBE, 2 WIRE, M-C, WHITE, CEILING	SYSTEM SENSOR	SCWL	SCWL
5	HORN/STROBE, 2 WIRE, M-C, RED, OUTDOOR	SYSTEM SENSOR	P2RK	P2RK
6	STROBE, 2 WIRE, M-C, RED, CEILING	SYSTEM SENSOR	SCRK	SCRK
23	EOL-4.7K	GAMEWELL FCI	EOL-4.7	EOL-4.7
190-0	162 SOL JKT FFLR 1M BX RED	GENESIS (HONEYWELL CABLE)	43011104	43011104
1067-0	162 SOL JKT FFLP 1M RL RED	GENESIS (HONEYWELL CABLE)	45011004	45011004
190-0	142 SOL JKT FFLP 1M RL RED	GENESIS (HONEYWELL CABLE)	45131004	45131004
7419-0	144 SOL JKT FFLP 1M RL RED	GENESIS (HONEYWELL CABLE)	45141004	45141004

ie WITH  
APPC



A	COTTAGES ON HOLLYWOOD 1319 S HOLLYWOOD AVE FAYETTEVILLE, AR 72703 FIRE ALARM																		
B																			
C																			
D		<p>ORIGINAL DRAWINGS PROVIDED BY:</p> <p>JORDAN &amp; SKALA ENGINEER AMT ENGINEERS</p> <p><b>FIRE ALARM MANUFACTURER AND MODEL NUMBER:</b></p> <p>GAMEWELL - FCI 7075B</p>  <p>15"=1'</p>																	
E	<p>LICENSING INFORMATION:</p> <p>AR ALARM: CIMP001647 AR CONTRACTORS: 082842041 AR SUPPRESSION: PF-164 AR CERT. OF REQ.: #PF-164 OK ALARM: AC202 TX FIRE ALARM: ACR-1765467</p> 																		
F	<p>REGULATED BY THE ARKANSAS BOARD OF PRIVATE INVESTIGATORS AND PRIVATE SECURITY AGENCIES</p> <p>1 STATE POLICE PLAZA DRIVE LITTLE ROCK, AR 72209 501-616-8600</p>																		
G	<p>UFS JOB NUMBER: U1435</p> <p>DRAWINGS PREPARED BY: AUSTIN RAINCY NICET 149582</p> <p>DRAWING REVIEWED BY: ROB EVATT SET NICET 115734 APCS-1775810</p> <p>DATE: 10-10-2018</p>																		
H	<p>UNITED FIRE SUPPRESSION</p> <p>4164 HONEYBUCKLE LN ROGERS, AR 72786</p> <p>PH: 479-886-9090 FX: 479-886-9091</p> <p>ARAINCY@AAS-UFS.COM REVATY@AAS-UFS.COM</p>																		
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REVISIONS																			
1	10-22-2018																		
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J	<p>CALCULATIONS</p> <p>F7</p>																		



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Circuit Calculations										Panel: FACP1 Card: 00 Circuit:NAC1									
Circuit Type: Notification					CircuitName: NAC1					Terminal Voltage: 20V					Ampereage: 2.5000A				
Cable: 14/4 SOL JKT FPLP 1M RL RED #14																			
Calculations based on Running Total Length																			
Design Criteria: Ambient temperature: 167°F Minimum operating voltage: 16V																			
Device	Part No	Panel	Appliance Desc			Distance	Current	Voltage	Voltage Drop										
001	PSN-64	Panel	NAC POWER SUPPLY 6 AMP 4 OUTPUT			2'-0	0.0050A	20.3999V	(0.0001V)										
						2'-0	0.0050A			Total Current: 0.0050A									
						(Total VDrop Percent:0.00%)				Total Voltage Drop: 0.0001V									

Circuit Calculations				Panel: FACP1 Card: 00 Circuit:NAC2			
Circuit Type: Notification				CircuitName: NAC2			
Terminal Voltage: 20.4V DC				Amperage: 2.5000A			
Cable: 14/4 SOL JKT FPLP 1M RL RED #14				Calculations based on Running Total Length			
Design Criteria: Ambient temperature: 167°F				Minimum operating voltage: 16V			
Device	Part No	Panel	Appliance Desc	Distance	Current	Voltage	Voltage Drop
002	SW7-70SB	P2RK	HORNSTROBE, 2 WIRE, M-C, RED, OUTDOOR, 15CD	213'-0	0.0660A	20.3137V	(0.0863V)
	EOL-4.7K	EOL-4.7K		4'-0	0.0000A	20.3137V	(0V)
				217'-0	0.0660A		
						Total Current:	0.0660A
						(Total VDrop Percent:0.42%)	Total Voltage Drop: 0.0863V

Circuit Calculations				Panel: FACP1 Card: 00		Circuit:AUX1	
Circuit Type: Power/Power limited				CircuitName: AUX1		Amperage: 2.5000A	
Cable: 14/2 SOL JKT FPLP 1M RL RED #14				Terminal Voltage: 20.4VDC			
Calculations based on Running Total Length.				Design Criteria: Ambient temperature: 167°F Minimum operating voltage: 16V			
Device	Part No	Panel	Appliance Desc	Distance	Current	Voltage	Voltage Drop
001	GW-70758	RA-1000	REMOTE ANNUNCIATOR, GRAY	190'-0	0.0250A	20.3708V	(0.0292V)
				190'-0	0.0250A		
						Total Current:	0.0250A
						Total Voltage Drop:	0.0292V

Circuit Calculations				Panel: FACP1		Card: 00		Circuit:S1	
Circuit Type: Serial/RS 485      CircuitName: S1									
Cable: 18/2 SOL JKT FPLP 1M BX RED #18      Amperage: 1.0000A									
Calculations based on Running Total Length									
Design Criteria: Ambient temperature: 167°F      Minimum operating voltage: 16V									
Device	Part No	Panel	Appliance Desc	Distance	Current	Voltage	Voltage Drop		
	(GW7-7075B)					3.5V			
001	PA-1000	REMOTE ANNUNCIATOR, GRAY		190'-0	0.0001A	3.4997V	(0.0003V)		
				190'-0	0.0001A				
				(Total VDrop Percent:0.01%)		Total Voltage Drop: 0.0003V		Total Current: 0.0001A	

Circuit Calculations										Panel: FACP1 Card: 00 Circuit:SLC1	
Circuit Type: Signaling line/FCI - SLC, Velociti, CLIP										CircuitName: SLC1	
Cable: 18/2 SOL JKT FPLP 1M RL RED #18										Terminal Voltage: 24V DC	
Calculations based on Running Total Length.										Amperage: 1.0000A	
Design Criteria: Ambient temperature: 167°F										Minimum operating voltage: 16V	
Device	Part No	Panel	Appliance Desc	Distance	Current	Voltage	Voltage Drop				
003	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		8'-0	0.0002A	23.995V	(0.005V)				
	AMM-2IF	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B		12'-0	0.0075A	23.9936V	(0.0014V)				
006	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		15'-0	0.0002A	23.9892V	(0.0058V)				
007	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		14'-0	0.0002A	23.9868V	(0.0054V)				
010	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		103'-0	0.0002A	23.9449V	(0.0389V)				
013	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE		24'-0	0.0003A	23.9435V	(0.0013V)				
022	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE		49'-0	0.0003A	23.941V	(0.0022V)				
025	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE		75'-0	0.0003A	23.9378V	(0.0033V)				
026	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		22'-0	0.0002A	23.937V	(0.0008V)				
027	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		11'-0	0.0002A	23.9367V	(0.0003V)				
029	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		105'-0	0.0002A	23.9341V	(0.0020V)				
031	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		10'-0	0.0002A	23.934V	(0.0001V)				
032	ATD-L3	THERMAL HEAT DETECTOR 135F, BRIGHT WHITE		3'-0	0.0002A	23.934V	(0V)				
030	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE		6'-0	0.0003A	23.934V	(0V)				
033	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		69'-0	0.0002A	23.9334V	(0.0007V)				
034	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		17'-0	0.0002A	23.9334V	(0.0001V)				
035	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE		8'-0	0.0003A	23.9334V	(0V)				
014	AOM-2RF	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE		14'-0	0.0037A	23.9406V	(0.0043V)				
015	AOM-2RF	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE		2'-0	0.0037A	23.9401V	(0.0005V)				
016	AOM-2RF	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE		2'-0	0.0037A	23.9398V	(0.0004V)				
017	AOM-2RF	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE		2'-0	0.0037A	23.9395V	(0.0003V)				
018	AOM-2RF	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE		2'-0	0.0037A	23.9394V	(0.0001V)				
019	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE		111'-0	0.0003A	23.9384V	(0.001V)				
021	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		7'-0	0.0002A	23.9384V	(0V)				
020	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE		13'-0	0.0003A	23.939V	(0.0001V)				
028	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE		100'-0	0.0003A	23.9365V	(0.0005V)				
023	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		30'-0	0.0002A	23.9401V	(0.0001V)				
024	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		6'-0	0.0002A	23.9402V	(0V)				
011	ATD-L3	THERMAL HEAT DETECTOR 135F, BRIGHT WHITE		6'-0	0.0002A	23.9463V	(0V)				
012	ATD-L3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		3'-0	0.0002A	23.9463V	(0V)				
036	ASD-PL3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		13'-0	0.0002A	23.9536V	(0.0001V)				
037	ATD-L3	THERMAL HEAT DETECTOR 135F, BRIGHT WHITE		2'-0	0.0002A	23.9536V	(0V)				
008	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE		15'-0	0.0003A	23.9657V	(0.0001V)				
009	ATD-L3	THERMAL HEAT DETECTOR 135F, BRIGHT WHITE		9'-0	0.0002A	23.9578V	(0V)				
002	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE		1'-0	0.0003A	23.9944V	(0V)				
005	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE		91'-0	0.0003A	23.994V	(0.0004V)				
038	AOM-2RF	OUTPUT RELAY CONTROL MODULE, ADDRESSABLE		2'-0	0.0037A	23.9969V	(0.0002V)				
					986'-0	0.0371A		Total Current: 0.0371A			
					(Total VDrop Percent:0.28%)						
					Total Voltage Drop: 0.0660V						

Circuit Calculations				Panel: FACP2 Card: 02 Circuit:NAC1			
Circuit Type: Notification			CircuitName: NAC1				
Cable: 14/4 SOL JKT FPLP 1M RL RED #14			Amperage: 2.5000A				
Calculations based on Running Total Length							
Design Criteria:			Ambient temperature: 167°F Minimum operating voltage: 16V				
Device	Part No	Panel	Appliance Desc	Distance	Current	Voltage	Voltage Drop
001	GWF-70798	PSN-64	NAC POWER SUPPLY 6 AMP 4 OUTPUT	2'-0	0.0050A	20.3999V	(0.0001V)
	2'-0			0.0050A			
	(Total VDrop Percent:0.00%)						
							Total Current: 0.0050A
							Total Voltage Drop: 0.0001V

Circuit Calculations			Panel: FACP2 Card: 02 Circuit:NAC2			
Circuit Name: NAC2						
Circuit Type: Notification		Terminal Voltage: 20.4V DC		Amperage: 2.5000A		
Cable: 14/4 SOL JKT FPLP 1M RL RED		#14				
Calculations based on Running Total Length.						
Design Criteria: Ambient temperature: 167°F Minimum operating voltage: 16V						
Device	Part No	Panel	Appliance Desc	Distance	Current/Voltage	Voltage Drop
	GW7	20768			20.3988V	
	P2RK	HORNSTROBE, 2 WIRE, M-C, RED, OUTDOOR, 15CD		3'-0	0.0660A 20.3988V	(0.0012V)
	EOL-47	EOL-4.7K		2'-0	0.0000A 20.3988V	(0V)
				5'-0	0.0660A	
				Total Current: 0.0660A		
				(Total VDrop Percent:0.01%)		Total Voltage Drop: 0.0012V

Circuit Calculations				Panel: FACP2 Card: 02 Circuit:SLC1	
Circuit Type: Signaling line/FCI - SLC, Velocity, CLIP				Terminal Voltage: 24V/DC	
Cable: 18/2 SOL JKT FPLP 1M RL RED #18				Amperage: 1.00084	
Calculations based on Running Total Length.					
Design Criteria: Ambient temperature: 167°F Minimum operating voltage: 16V					
Device	Part No	Panel	Appliance Desc	Distance	Current Voltage
					24V
	ASD-1P3	PHOTO, SMOKE, DETECTOR, BRIGHT WHITE		8'-0"	0.0002A 23.999V (0.001V)
002	003	DUAL MONITOR MODULE, ADDRESSABLE, CLASS B		7'-0"	0.00075A 23.9981V (0.0009V)
	004	MONITOR MODULE, ADDRESSABLE, CLASS A OR B		5'-0"	0.00054A 23.9981V
005	MS-7AF	PULL STATION, DOUBLE ACTION, ADDRESSABLE		1'-0"	0.00034A 23.9995V (0V)
				21'-0"	0.0084A
				Total Current: 0.0084A	
				(Total VDrop Percent 0.01%) Total Voltage Drop: 0.0019V	



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Circuit Calculations			Panel: FAPS3 Card: 04 Circuit:NAC1				
			CircuitName: NAC1				
Circuit Type: Notification			Terminal Voltage: 24V DC		Amperage: 3.0000A		
			Cable: 14/4 SOL JKT FPLP 1M RL RED #14				
			Calculations based on Running Total Length				
Design Criteria:			Ambient temperature: 167°F		Minimum operating voltage: 16V		
Device	Part No	Panel	Appliance Desc	Distance	Current	Voltage	Voltage Drop
	PSN-64					24v	
001	HW-LF	LOW FREQUENCY SOUNDER, WH		133'-0	0.1380A	22.4574V	(1.5426V)
003	HW-LF	LOW FREQUENCY SOUNDER, WH		45'-0	0.1380A	22.2014V	(0.256V)
002	HW-LF	LOW FREQUENCY SOUNDER, WH		7'-0	0.1380A	22.1516V	(0.0693V)
004	HW-LF	LOW FREQUENCY SOUNDER, WH		13'-0	0.1380A	22.0338V	(0.1177V)
005	HW-LF	LOW FREQUENCY SOUNDER, WH		29'-0	0.1380A	21.8017V	(0.2321V)
007	P2WH-LF	HORNSTROBE, 2-WIRE, M-C HIGH, LOW FREQ, WH, 177CD		15'-0	0.3250A	21.704V	(0.0977V)
009	P2WH-LF	HORNSTROBE, 2-WIRE, M-C HIGH, LOW FREQ, WH, 177CD		36'-0	0.3250A	21.5439V	(0.16V)
010	SWL	L-SERIES STROBE, WHITE, WALL, 15CD		8'-0	0.0430A	21.5289V	(0.0181V)
011	P2WH-LF	HORNSTROBE, 2-WIRE, M-C HIGH, LOW FREQ, WH, 177CD		18'-0	0.3250A	21.4899V	(0.0359V)
	EOL-4.7	EOL-4.7K		3'-0	0.0000A	21.4899V	(0V)
008	SWL	L-SERIES STROBE, WHITE, WALL, 15CD		9'-0	0.0430A	21.5841V	(0.0024V)
006	HW-LF	LOW FREQUENCY SOUNDER, WH		23'-0	0.1380A	21.8337V	(0.0195V)
				339'-0	1.8890A		
						Total Current: 1.8890A	
						Total Voltage Drop: 2.5101V	
						(Total VDrop Percent:10.46%)	

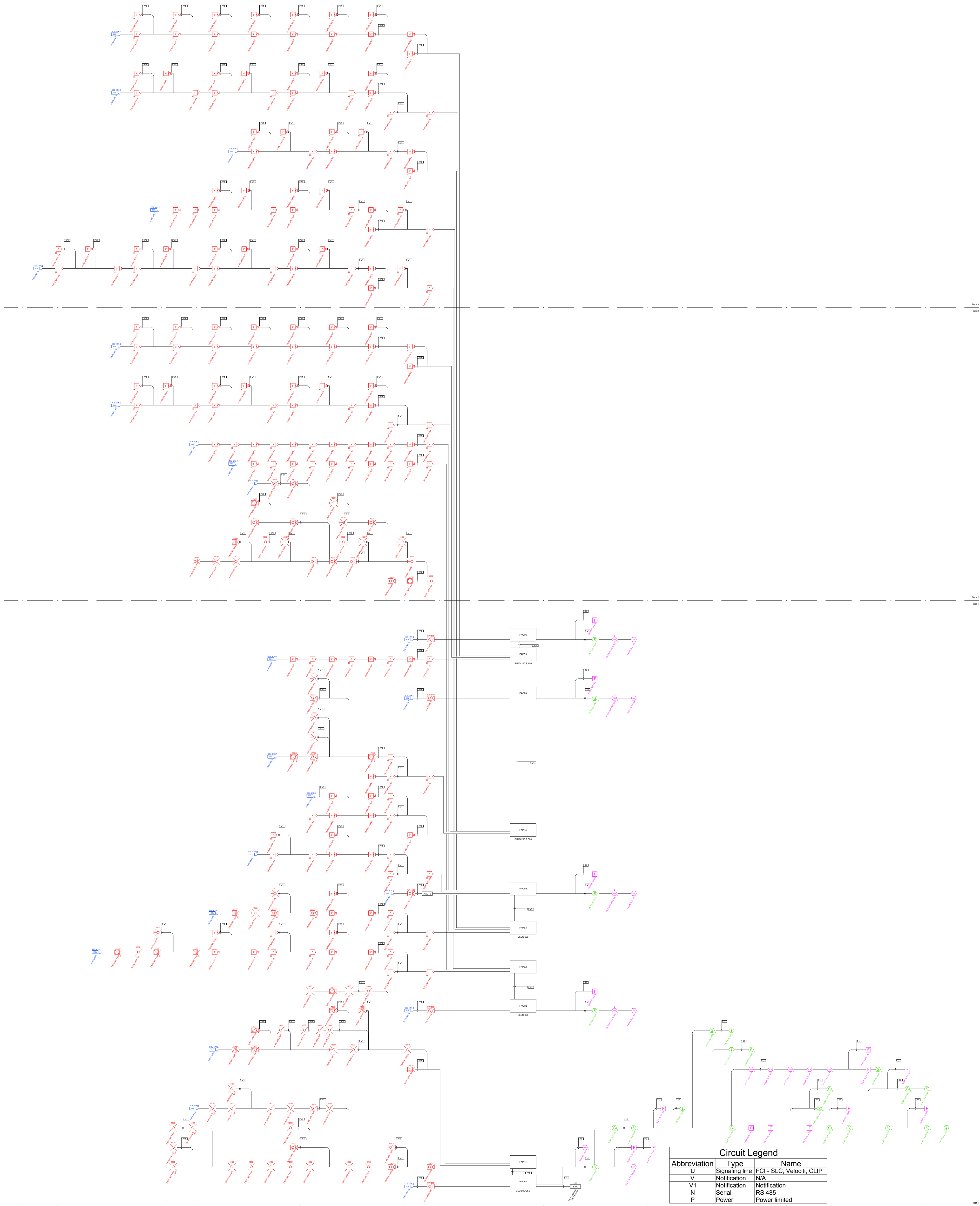
Circuit Calculations										Panel: FAPS3 Card: 04 Circuit:NAC2									
CircuitName: NAC2																			
Circuit Type: Notification										Terminal Voltage: 24V DC    Amperage: 3.0000A									
Cable: 14/4 SOL JKT FPLP 1M RL RED #14																			
Calculations based on Running Total Length																			
Design Criteria: Ambient temperature: 167°F    Minimum operating voltage: 16V																			
Device	Part No	Appliance Desc			Distance	Current	Voltage	Voltage Drop											
PSN-64		Panel					24V												
001	HW-LF	LOW FREQUENCY SOUNDER, WH			79'-0	0.1380A	23.1967V	(0.8033V)											
002	HW-LF	LOW FREQUENCY SOUNDER, WH			38'-0	0.1380A	22.8426V	(0.3542V)											
003	HW-LF	LOW FREQUENCY SOUNDER, WH			4'-0	0.1380A	22.8087V	(0.0339V)											
004	HW-LF	LOW FREQUENCY SOUNDER, WH			38'-0	0.1380A	22.5189V	(0.2898V)											
005	HW-LF	LOW FREQUENCY SOUNDER, WH			4'-0	0.1380A	22.4918V	(0.0271V)											
006	HW-LF	LOW FREQUENCY SOUNDER, WH			38'-0	0.1380A	22.2664V	(0.2254V)											
007	HW-LF	LOW FREQUENCY SOUNDER, WH			4'-0	0.1380A	22.246V	(0.0203V)											
008	HW-LF	LOW FREQUENCY SOUNDER, WH			38'-0	0.1380A	22.0851V	(0.161V)											
009	HW-LF	LOW FREQUENCY SOUNDER, WH			4'-0	0.1380A	22.0715V	(0.0190V)											
010	HW-LF	LOW FREQUENCY SOUNDER, WH			38'-0	0.1380A	21.9749V	(0.0966V)											
011	HW-LF	LOW FREQUENCY SOUNDER, WH			4'-0	0.1380A	21.9681V	(0.0068V)											
012	HW-LF	LOW FREQUENCY SOUNDER, WH			38'-0	0.1380A	21.9359V	(0.0322V)											
EOL-4.7		EOL-4.7K			5'-0	0.0000A	21.9359V	(0V)											
					332'-0	1.6560A													
								Total Current: 1.6560A											
								Total Voltage Drop: 2.0641V											
								(Total VDrop Percent:8.60%)											

Circuit Calculations				Panel: FAPS3 Card: 04		Circuit:NAC3	
				CircuitName: NAC3			
Circuit Type: Notification				Terminal Voltage: 20.4V DC		Amperage: 3.0000A	
Cable: 14/4 SOL JKT FPLP 1M RL RED #14							
Calculations based on Running Total Length.							
Design Criteria: Ambient temperature: 167°F				Minimum operating voltage: 16V			
Device	Part No	Panel	Appliance Desc	Distance	Current	Voltage	Voltage Drop
007	PSN-64	Panel				20.4V	
007	HW-LF	LOW FREQUENCY SOUNDER, WH		174'-0	0.1380A	18.3359V	(2.0641V)
004	HW-LF	LOW FREQUENCY SOUNDER, WH		31'-0	0.1380A	18.1249V	(0.211V)
002	HW-LF	LOW FREQUENCY SOUNDER, WH		9'-0	0.1380A	18.0512V	(0.0839V)
001	HW-LF	LOW FREQUENCY SOUNDER, WH		32'-0	0.1380A	17.7801V	(0.2711V)
006	HW-LF	LOW FREQUENCY SOUNDER, WH		28'-0	0.1380A	17.5603V	(0.1898V)
009	HW-LF	LOW FREQUENCY SOUNDER, WH		32'-0	0.1380A	17.4276V	(0.1627V)
012	HW-LF	LOW FREQUENCY SOUNDER, WH		28'-0	0.1380A	17.3327V	(0.0949V)
013	HW-LF	LOW FREQUENCY SOUNDER, WH		32'-0	0.1380A	17.2785V	(0.0542V)
014	HW-LF	LOW FREQUENCY SOUNDER, WH		21'-0	0.1380A	17.2607V	(0.0178V)
008	EOL-4.7K	EOL-4.7K		5'-0	0.0000A	17.2607V	(0V)
011	HW-LF	LOW FREQUENCY SOUNDER, WH		12'-0	0.1380A	17.3454V	(0.0102V)
010	HW-LF	LOW FREQUENCY SOUNDER, WH		12'-0	0.1380A	17.3793V	(0.0102V)
005	HW-LF	LOW FREQUENCY SOUNDER, WH		12'-0	0.1380A	17.6335V	(0.0102V)
003	HW-LF	LOW FREQUENCY SOUNDER, WH		12'-0	0.1380A	17.7013V	(0.0102V)
008	HW-LF	LOW FREQUENCY SOUNDER, WH		12'-0	0.1380A	18.2266V	(0.0102V)
				452'-0	1.9320A		
						Total Current:	1.9320A
						Total Voltage Drop:	3.1393V
						(Total VDrop Percent:15.39%)	

Circuit Calculations				Panel: FAPS3 Card: 04		Circuit:NAC4	
				CircuitName: NAC4			
Circuit Type: Notification				Terminal Voltage: 20.4V DC		Amperage: 3.0000A	
				Cable: 14/4 SOL JKT FPLP 1M RL RED #14			
				Calculations based on Running Total Length			
Design Criteria: Ambient temperature: 167°F				Minimum operating voltage: 16V			
Device	Part No	Panel	Appliance Desc	Distance	Current	Voltage	Voltage Drop
001	PSN-64	Panel				20.4V	
001	HW-LF	LOW FREQUENCY SOUNDER, WH		385'-0	0.1380A	17.2293V	(3.1707V)
002	HW-LF	LOW FREQUENCY SOUNDER, WH		9'-0	0.1380A	17.1709V	(0.0686V)
003	HW-LF	LOW FREQUENCY SOUNDER, WH		32'-0	0.1380A	16.9539V	(0.2169V)
006	HW-LF	LOW FREQUENCY SOUNDER, WH		28'-0	0.1380A	16.8116V	(0.1423V)
007	HW-LF	LOW FREQUENCY SOUNDER, WH		32'-0	0.1380A	16.7031V	(0.1085V)
010	HW-LF	LOW FREQUENCY SOUNDER, WH		5'-0	0.0000A	16.6557V	(0.0474V)
	EOL=47	EQ 4-7K					
009	HW-LF	LOW FREQUENCY SOUNDER, WH		12'-0	0.1380A	16.6532V	(0.0102V)
008	HW-LF	LOW FREQUENCY SOUNDER, WH		12'-0	0.1380A	16.6701V	(0.0102V)
005	HW-LF	LOW FREQUENCY SOUNDER, WH		12'-0	0.1380A	16.8396V	(0.0102V)
004	HW-LF	LOW FREQUENCY SOUNDER, WH		12'-0	0.1380A	16.8904V	(0.0102V)
				567'-0	1.3800A		
						Total Current: 1.3800A	
						Total Voltage Drop: 3.7468V	
						(Total VDrop Percent:18.37%)	

Circuit Calculations				Panel: FAPS2 Card: 03 Circuit:NAC1			
				CircuitName: NAC1			
Circuit Type: Notification				Terminal Voltage: 24V DC    Amperage: 3.0000A			
Cable: 14/4 SOL JKT FPLP 1M RL RED #14							
				Calculations based on Running Total Length.			
Design Criteria: Ambient temperature: 167°F    Minimum operating voltage: 16V							
Device	Part No	Panel	Appliance Desc	Distance	Current	Voltage	Voltage Drop
	PSN-64					24V	
001	HW-LF	LOW FREQUENCY SOUNDER, WH		9'-0	0.1380A	23.8499V	(0.1501V)
003	HW-LF	LOW FREQUENCY SOUNDER, WH		44'-0	0.1380A	23.4828V	(0.367V)
002	HW-LF	LOW FREQUENCY SOUNDER, WH		7'-0	0.1380A	23.366V	(0.1049V)
004	HW-LF	LOW FREQUENCY SOUNDER, WH		13'-0	0.1380A	23.2127V	(0.1838V)
005	HW-LF	LOW FREQUENCY SOUNDER, WH		29'-0	0.1380A	22.8332V	(0.3786V)
007	HW-LF	LOW FREQUENCY SOUNDER, WH		13'-0	0.1380A	22.6824V	(0.1508V)
008	HW-LF	LOW FREQUENCY SOUNDER, WH		29'-0	0.1380A	22.3765V	(0.3059V)
010	HW-LF	LOW FREQUENCY SOUNDER, WH		13'-0	0.1380A	22.2682V	(0.1177V)
011	HW-LF	LOW FREQUENCY SOUNDER, WH		29'-0	0.1380A	22.0267V	(0.2321V)
013	PZW-HLF	HORN-STROBE, 2-WIRE, M-C HIGH, LOW FREQ, WH, 177CD		15'-0	0.3250A	21.929V	(0.0977V)
014	PZW-HLF	HORN-STROBE, 2-WIRE, M-C HIGH, LOW FREQ, WH, 177CD		36'-0	0.3250A	21.7889V	(0.1016V)
015	SW-L	L-SERIES STROBE, WHITE, WALL, 15CD		9'-0	0.0430A	21.7508V	(0.0181V)
016	PZW-HLF	HORN-STROBE, 2-WIRE, M-C HIGH, LOW FREQ, WH, 177CD		18'-0	0.3250A	21.7149V	(0.0359V)
017	EOL-4.7K	EOL-4.7K		9'-0	0.00030A	21.7149V	(0V)
014	SW-L	L-SERIES STROBE, WHITE, WALL, 15CD		9'-0	0.0430A	21.6911V	(0.0024V)
012	HW-LF	LOW FREQUENCY SOUNDER, WH		23'-0	0.1380A	22.0587V	(0.0195V)
009	HW-LF	LOW FREQUENCY SOUNDER, WH		23'-0	0.1380A	22.4264V	(0.0195V)
006	HW-LF	LOW FREQUENCY SOUNDER, WH		23'-0	0.1380A	22.9008V	(0.0195V)
				34'-0	0.2720A		
						Total Current: 2.2715A	
						Total VDrop Percent: 5.92%	
						Total Voltage Drop: 2.285V	





01 RISER DETAIL

SCALE 1/8"=1'-0"

Reviewed for Minimum Compliance with the Arkansas Fire Prevention Code (AFPC)

By: Rodney Colson, P.E.

Fire Protection Engineer

10/29/2018

Plans have been reviewed for compliance with the Arkansas Fire Prevention Code and NFPA requirements:

1. Stamped plans must be kept on site for use by the inspector.

2. Any deviation from the stamped plans shall be submitted for approval before installation.

3. Schedule a request for an inspection by calling the Fire Marshal's Office, (479)444-3448. Inspection requests shall be made by the general contractor.

4. This examination of the submitted documents does not relieve the owner, designers and contractors or their representatives from their individual or collective responsibility to comply with applicable provisions of the accepted codes. This examination is not to be construed as a check of every item in the submitted plans and documents and does not prevent the Fire Marshal from hereafter requiring corrections in plans or construction.

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COTTAGES ON HOLLYWOOD  
1319 S HOLLYWOOD AVE  
FAYETTEVILLE, AR 72703  
FIRE ALARM

ORIGINAL DRAWINGS PROVIDED BY:  
JORDAN & SKALA ENGINEERS  
AMT ENGINEERS

FIRE ALARM MANUFACTURER AND MODEL NUMBER:  
GAMEWELL - FCI 70758

LICENSING INFORMATION:  
AR ALARM: CMPY001847  
AR CONTRACTORS: 0028470419  
AR SUPPRESSION: PF-164  
AR CERT. OF REQ.: #PF-164  
OK ALARM: AC302  
TX FIRE ALARM: AGR-1755467

REGULATED BY THE ARKANSAS BOARD OF PRIVATE INVESTIGATORS AND PRIVATE SECURITY AGENCIES  
1 STATE POLICE PLAZA DRIVE  
LITTLE ROCK, AR 72209  
501-516-8900

UFS JOB NUMBER: U1435  
DRAWINGS PREPARED BY:  
AUSTIN RAINEY  
NICET 148582  
DRAWING REVIEWED BY:  
ROB EVATT SET  
NICET 115734  
APS-1775810  
DATE: 10-10-2018

UNITED FIRE SUPPRESSION  
4104 HONEYSUCKLE LN  
ROGERS, AR 72578  
PH: 479-886-9090  
FX: 479-886-9091  
ARAINNEY@AAS-UFS.COM  
REVATT@AAS-UFS.COM

REVISIONS	
1	10-22-2018
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CALCULATIONS & RISER DETAIL

F10



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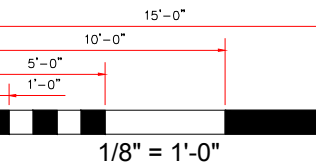
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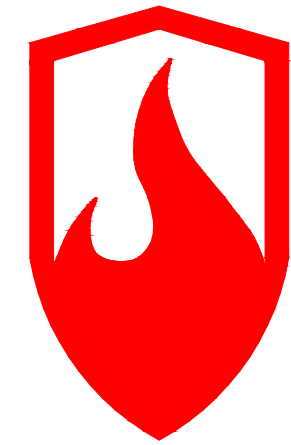
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1319 S HOLLYWOOD AVE  
FAYETTEVILLE, AR 72703  
FIRE ALARM

ORIGINAL DRAWINGS  
PROVIDED BY:  
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FIRE ALARM  
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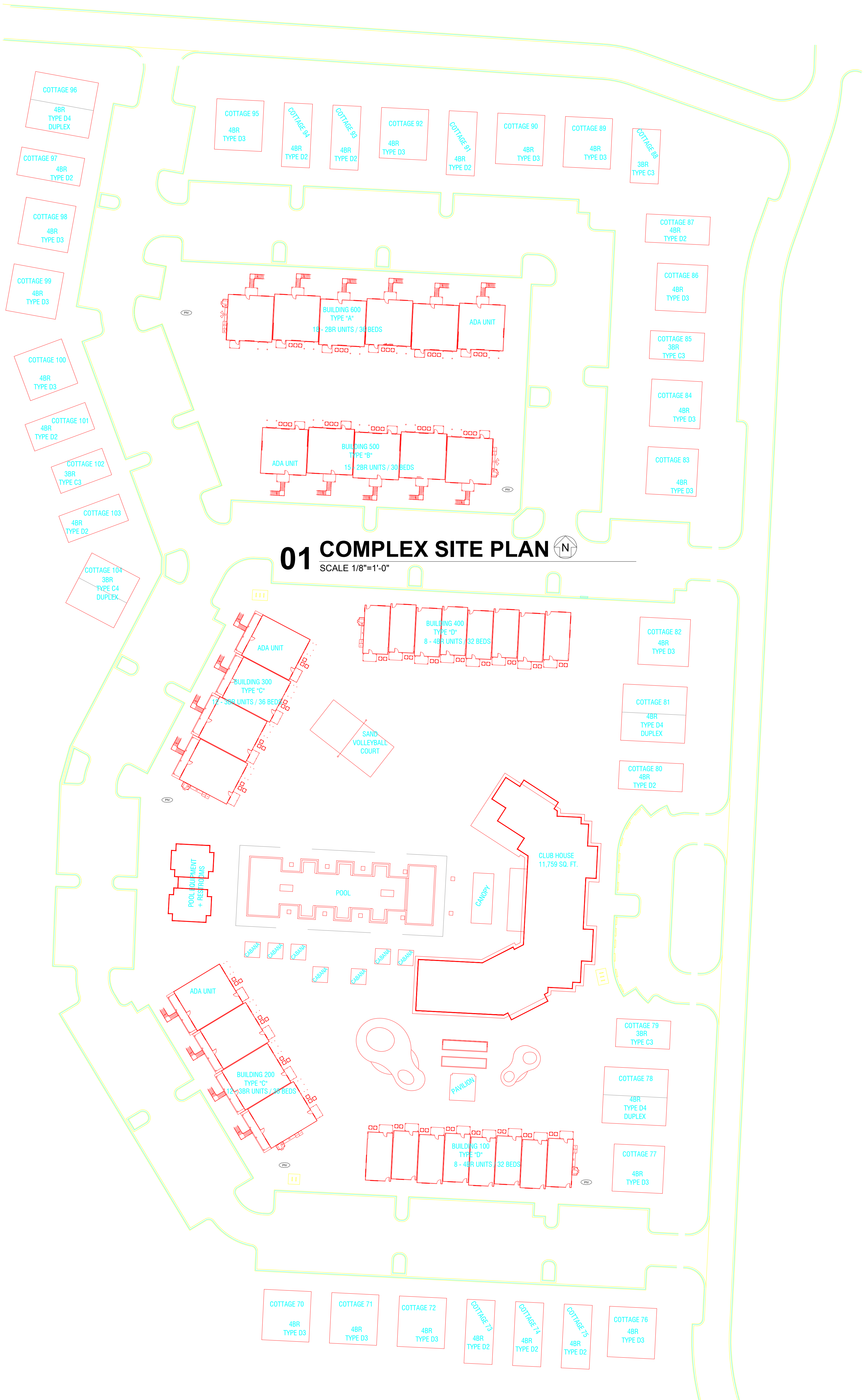
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COMPLEX  
SITE PLAN

SITE



Reviewed For Minimum Compliance with  
the Arkansas Fire Prevention Code (AFPC)  
By: Rodney Colson, P.E.  
Fire Protection Engineer  
10/29/2018



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