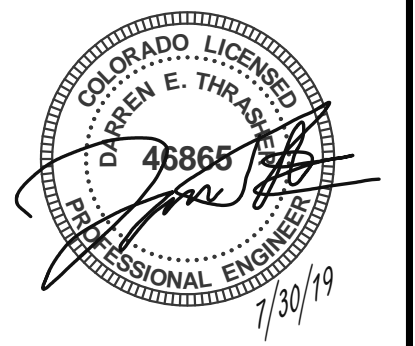
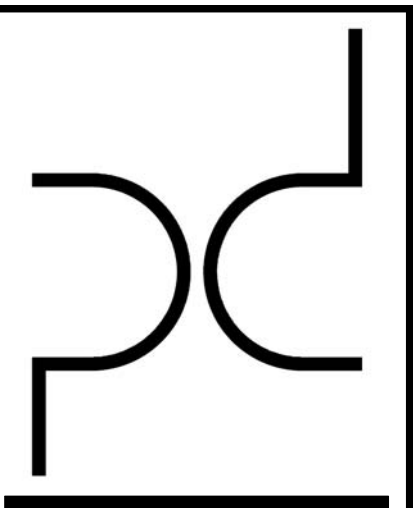


1 1ST FLOOR FA PLAN-OVERALL PLAN  
1/16" = 1'-0"

FA201- KEY NOTES	
#	Text
2	PROVIDE MANUAL PULL STATION.
3	FIRE VENDOR SHALL PROVIDE RADIO RESPONDER OF APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING.
4	SMOKE DETECTOR WITHOUT SOUNDER BASE.
13	HEAT DETECTOR AND SMOKE DETECTOR LOCATED AT THE BASE OF THE ELEVATOR SHAFT. COORDINATE EXACT LOCATION WITH ELEVATOR INSTALLER. HEAT DETECTOR(S) TO BE LOCATED WITHIN 2'-0" OF SPRINKLER HEAD(S).



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11320 W. 79TH ST.  
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PHONE: 913.492.7400

**MEP ENGINEERS**  
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**CIVIL ENGINEERS**  
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Phone 970-385-4546

**INTERIOR DESIGNER**  
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4838 South Highland Drive  
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p 801-642-4100  
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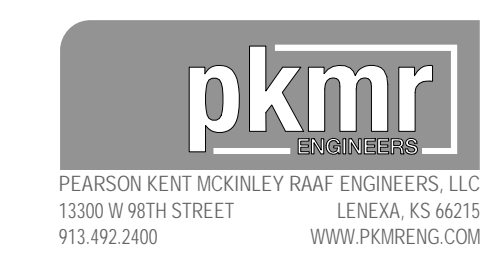
**KITCHEN CONSULTANT**  
Culinex  
311 4th Ave South  
P.O. Box 365 | Sartell, MN 56377  
1-320-259-6557

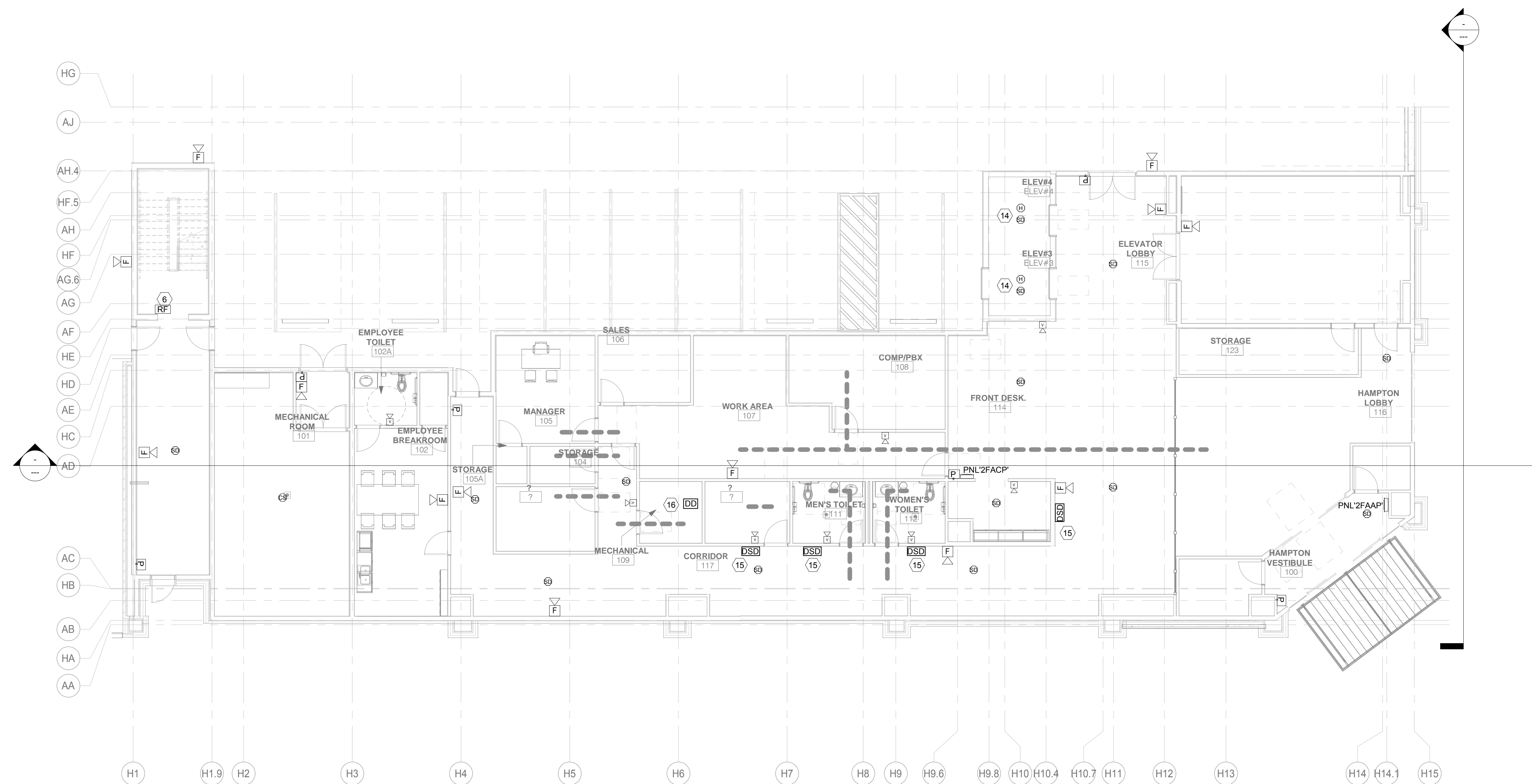
**OWNER**  
LAMONT COMPANIES  
205 6TH AVE. SE - SUITE 300  
ABERDEEN, SD 57401  
PHONE: 605.225.1712

**Dual Hotel Durango**  
- AC & HIS  
400 Block, East 2nd Avenue, Durango, CO 81301

JOB NO: 84-14-1701  
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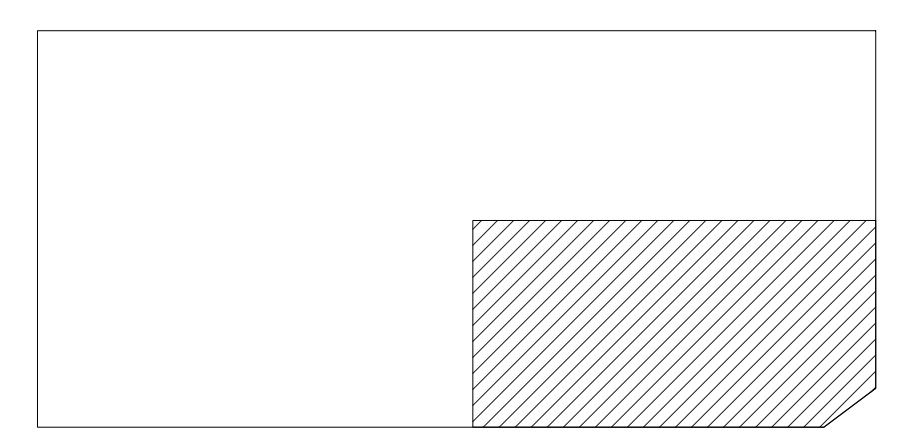
1 1ST FLOOR FA PLAN-A PLAN  
1/8" = 1'-0"

**FIRE ALARM NOTES**

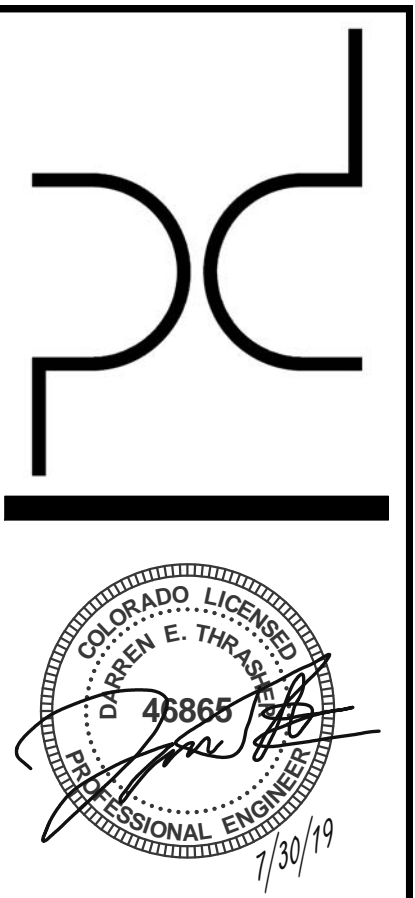
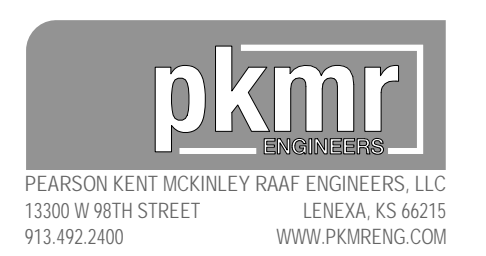
- SEE INDIVIDUAL ENLARGED SUITE PLANS FOR LOCATIONS OF SMOKE DETECTORS AND STROBES IN EACH GUEST ROOM.
- SHUNT TRIP BREAKER FOR ELEVATOR CONTROLLER SHALL BE ACTIVATED BY HEAT DETECTOR IN ELEVATOR EQUIPMENT ROOM.
- CONTRACTOR SHALL PREPARE SHOP DRAWINGS OF THE PROPOSED FIRE ALARM SYSTEM, INCLUDING ALL DEVICES AND WIRING LAYOUTS TO THE FIRE MARSHALL FOR APPROVAL PRIOR TO PURCHASING OR INSTALLING ANY ROUGH-IN BEFORE SUBMITTING TO THE ENGINEER FOR REVIEW. THE ENGINEER WILL PROVIDE CAD DRAWING OF FLOOR PLANS FOR SHOP DRAWING PREPARATION ON REQUEST. ANY REVISIONS OR ALTERATIONS TO THE SYSTEM REQUIRED BY THE LOCAL JURISDICTION PRIOR TO OBTAINING CERTIFICATE OF OCCUPANCY OBTAINING CERTIFICATE OF OCCUPANCY WILL NOT BE REASON FOR ADDITIONAL COMPENSATION TO THE CONTRACTOR.
- DETECTION DEVICES ARE EQUIPPED THROUGHOUT GUEST ROOM CORRIDORS, AT SPACING NOT TO EXCEED 40 FEET ON CENTER, PUBLIC AREAS, SERVICE AREAS, (WHERE APPLICABLE) AND MECHANICAL AREAS. DETECTORS ARE REQUIRED FOR ALL STORAGE ROOMS MORE THAN 150 SQUARE FEET. MANUAL PULL STATIONS ARE REQUIRED ADJACENT TO ALL EXIT DOORS THAT LEAD DIRECTLY TO AN EXTERIOR AND AT ALL STAIRWELL ENTRANCE DOORS.

LEGENDS	
CS	COMBINATION OF SMOKE/CO DETECTOR, SURFACE MOUNTED
SD	SMOKE DETECTOR, SURFACE MOUNTED
SD L	LOW FREQUENCY HORN STROBE, WALL MOUNTED
SD	SMOKE DETECTOR WITHOUT SOUNDER BASE, WALL MOUNTED
F	COMBINATION AUDIAL/VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
P	MANUAL FIRE ALARM PULL STATION, MOUNTED @ 48" AFF
177cd V	VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
H	HEAT DETECTOR, SURFACE MOUNTED
FACP	FIRE ALARM CONTROL PANEL
RF	RADIO RESPONDER, SURFACE MOUNTED
CO	CO DETECTOR, SURFACE MOUNTED
FAAP	FIRE ALARM ANNUCIATOR PANEL
CO SD	WALL-MOUNTED, COMBINATION SMOKE/CO DETECTOR
DD	DUCT SMOKE DETECTOR
FSD	FIRE/SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
DSD	DUCT-MOUNTED SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
T	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER - EDWARDS SERIES 590 RECESSED IN 4x4 BOX WITH 593 MOUNTING PLATE AND COVER.
D	HEARING-IMPAIRED DOORBELL SYSTEM PUSH BUTTON - EDWARDS MODEL 620 PUSH BUTTON WITH 147-10 COVERPLATE.
DB	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE - EDWARDS MODEL G6535-G5
TWC	EMERGENCY TWO-WAY COMMUNICATION SYSTEM CALL-IN STATION

FA-201A KEY NOTES	
#	Text
6	FIRE VENDOR SHALL PROVIDE RADIO RESPONDER OF APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING
14	HEAT DETECTOR AND SMOKE DETECTOR LOCATED AT THE BASE OF THE ELEVATOR SHAFT. COORDINATE EXACT LOCATION WITH ELEVATOR SUPPLIER. HEAT DETECTOR(S) SHALL BE LOCATED WITHIN 2'-0" OF SPRINKLER HEAD(S).
15	DUCT-MOUNTED FIRE/SMOKE DAMPER TO CLOSE UPON ACTIVATION OF THE CORRIDOR SMOKE DETECTION SYSTEM.
16	FIRE ALARM DUCT SMOKE DETECTOR INSTALLED IN THE RETURN AIR DUCT OF THE AIR HANDLING UNIT. LOCATE AND INSTALL PER THE MANUFACTURER'S INSTRUCTIONS AND NFPA 72. ACTIVATION OF DETECTOR SHALL SHUT OFF THE ASSOCIATED AIR HANDLING UNIT AND SHALL CAUSE A SUPERVISORY ALARM ON THE FIRE ALARM SYSTEM.



2 HI-1ST FLOOR PART A-KEY PLAN  
1" = 80'-0"



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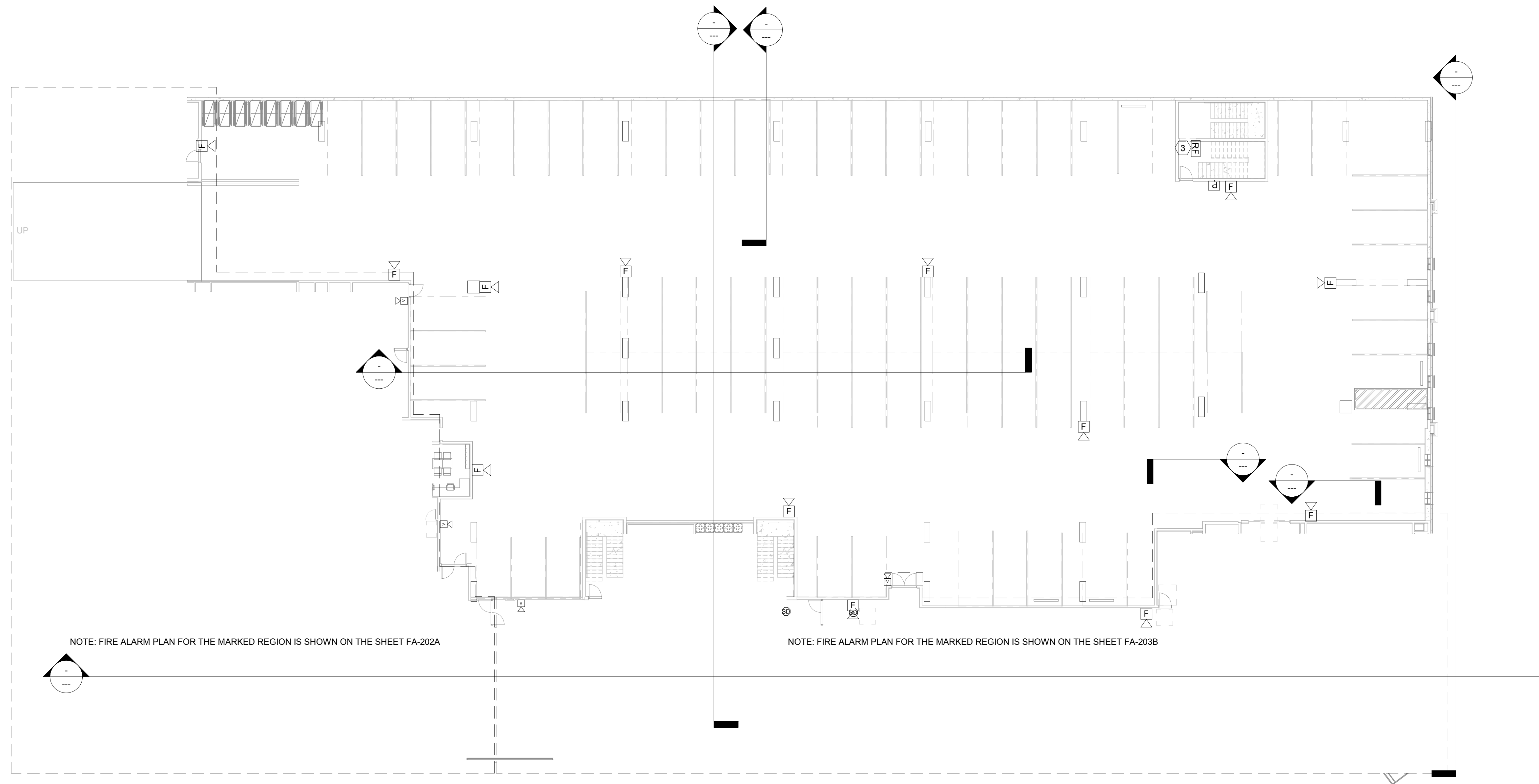
Dual Hotel Durango  
- AC & HIS  
400 Block, East 2nd Avenue, Durango, CO 81301

JOB NO: 84-114-1701  
DATE: 03-07-2019  
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0 2018.05.30

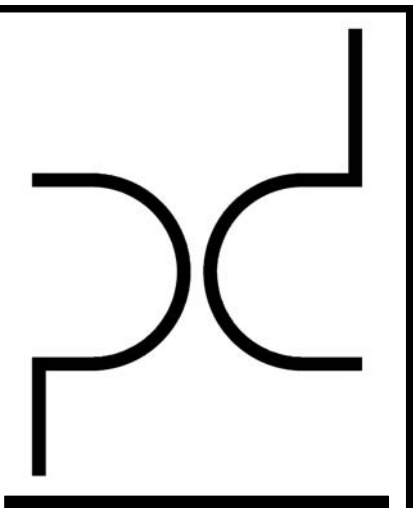
1ST FLOOR FA PLAN-A PLAN

**FA-201A**



1 2ND FLOOR FA PLAN-OVERALL PLAN  
1/16" = 1'-0"

FA202- KEY NOTES	
#	Text
3	FIRE VENDOR SHALL PROVIDE RADIO RESPONDER OF APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING
5	DUCT-MOUNTED FIRE/SMOKE DAMPER TO CLOSE UPON ACTIVATION OF THE CORRIDOR SMOKE DETECTION SYSTEM.
9	FIRE ALARM DUCT SMOKE DETECTOR INSTALLED IN THE RETURN AIR DUCT OF THE AIR HANDLING UNIT. LOCATE AND INSTALL PER THE MANUFACTURER'S INSTRUCTIONS AND NFPA 72. ACTIVATION OF DETECTOR SHALL SHUT OFF THE ASSOCIATED AIR HANDLING UNIT AND SHALL CAUSE A SUPERVISORY ALARM ON THE FIRE ALARM SYSTEM.



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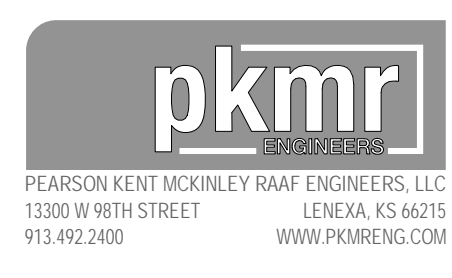
**KITCHEN CONSULTANT**  
Cullinex  
311 4th Ave South  
P.O. Box 365 | Sartell, MN 56377  
1-320-259-6557

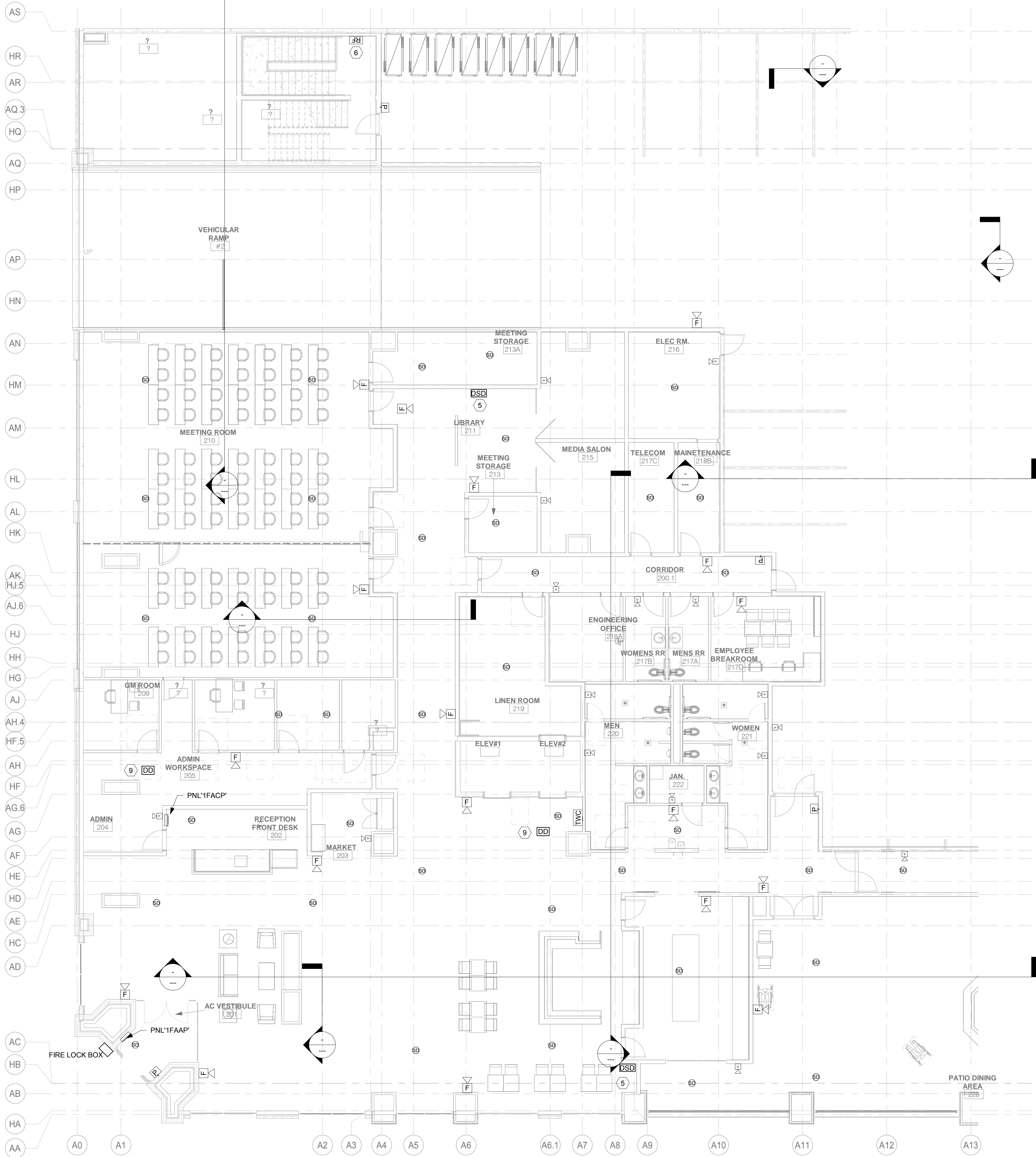
**OWNER**  
LAMONT COMPANIES  
205 6TH AVE. SE - SUITE 300  
ABERDEEN, SD 57401  
PHONE: 605.225.1712

**Dual Hotel Durango**  
- AC & HIS  
400 Block, East 2nd Avenue, Durango, CO 81301

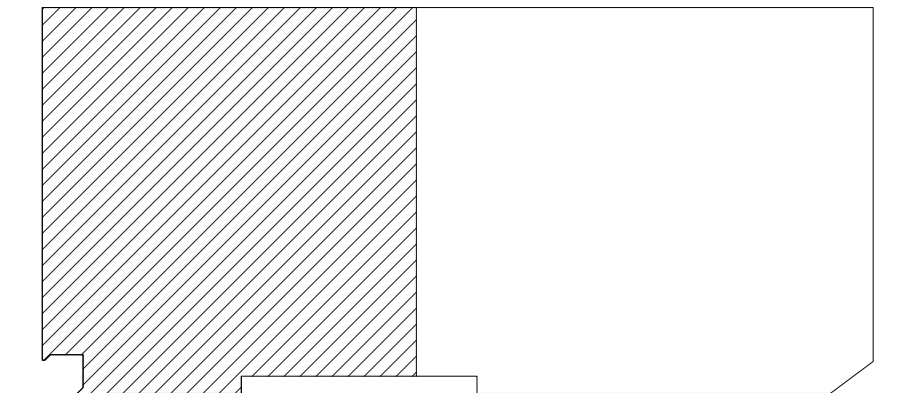
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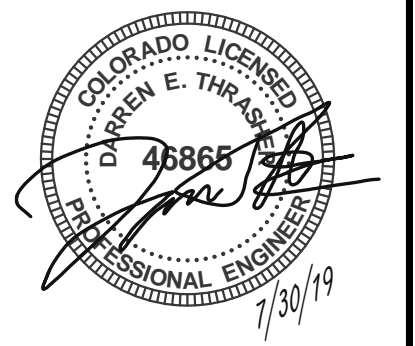
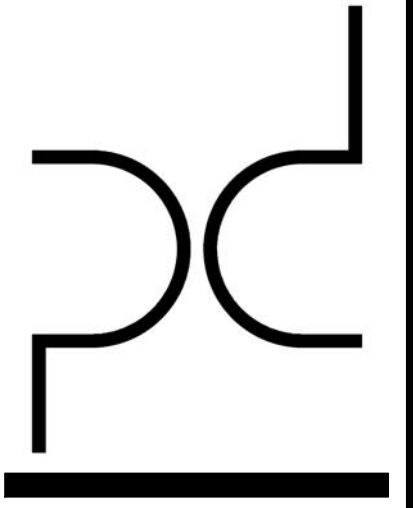
1 2ND FLOOR FA PLAN-A PLAN  
1/8" = 1'-0"



2 AC-2ND FLOOR PART A- KEY PLAN  
1" = 80'-0"

LEGENDS	
(CS)	COMBINATION OF SMOKE/CO DETECTOR, SURFACE MOUNTED
(SD)	SMOKE DETECTOR, SURFACE MOUNTED
(L)	LOW FREQUENCY HORN STROBE, WALL MOUNTED
(SD)	SMOKE DETECTOR WITHOUT SOUNDER BASE, WALL MOUNTED
(F)	COMBINATION AUDIAL/VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
(P)	MANUAL FIRE ALARM PULL STATION, MOUNTED @ 48" AFF
(V)	VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
(H)	HEAT DETECTOR, SURFACE MOUNTED
(FACP)	FIRE ALARM CONTROL PANEL
(RF)	RADIO RESPONDER, SURFACE MOUNTED
(CO)	CO DETECTOR, SURFACE MOUNTED
(FAAP)	FIRE ALARM ANNUCIATOR PANEL
(CO SD)	WALL-MOUNTED, COMBINATION SMOKE/CO DETECTOR
(DD)	DUCT SMOKE DETECTOR
(FSD)	FIRE/SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
(DSD)	DUCT-MOUNTED SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
(T)	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER - EDWARDS SERIES 590 RECESSED IN 4x4 BOX WITH 593 MOUNTING PLATE AND COVER.
(D)	HEARING-IMPAIRED DOORBELL SYSTEM PUSH BUTTON - EDWARDS MODEL 620 PUSH BUTTON WITH 147-10 COVERPLATE.
(DB)	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE - EDWARDS MODEL G6535-G5
(TWC)	EMERGENCY TWO-WAY COMMUNICATION SYSTEM CALL-IN STATION

FA202- KEY NOTES	
#	Text
3	FIRE VENDOR SHALL PROVIDE RADIO RESPONDER OF APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING.
5	DUCT-MOUNTED FIRE/SMOKE DAMPER TO CLOSE UPON ACTIVATION OF THE CORRIDOR SMOKE DETECTION SYSTEM.
9	FIRE ALARM DUCT SMOKE DETECTOR INSTALLED IN THE RETURN AIR DUCT OF THE AIR HANDLING UNIT. LOCATE AND INSTALL PER THE MANUFACTURER'S INSTRUCTIONS AND NFPA 72. ACTIVATION OF DETECTOR SHALL SHUT OFF THE ASSOCIATED AIR HANDLING UNIT AND SHALL CAUSE A SUPERVISORY ALARM ON THE FIRE ALARM SYSTEM.



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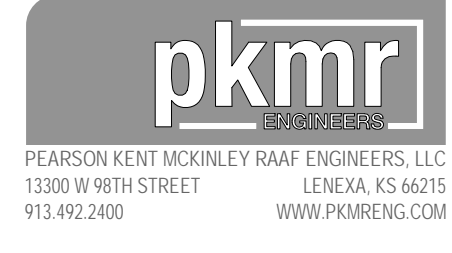
**Dual Hotel Durango**  
- AC & HIS  
400 Block, East 2nd Avenue, Durango, CO 81301

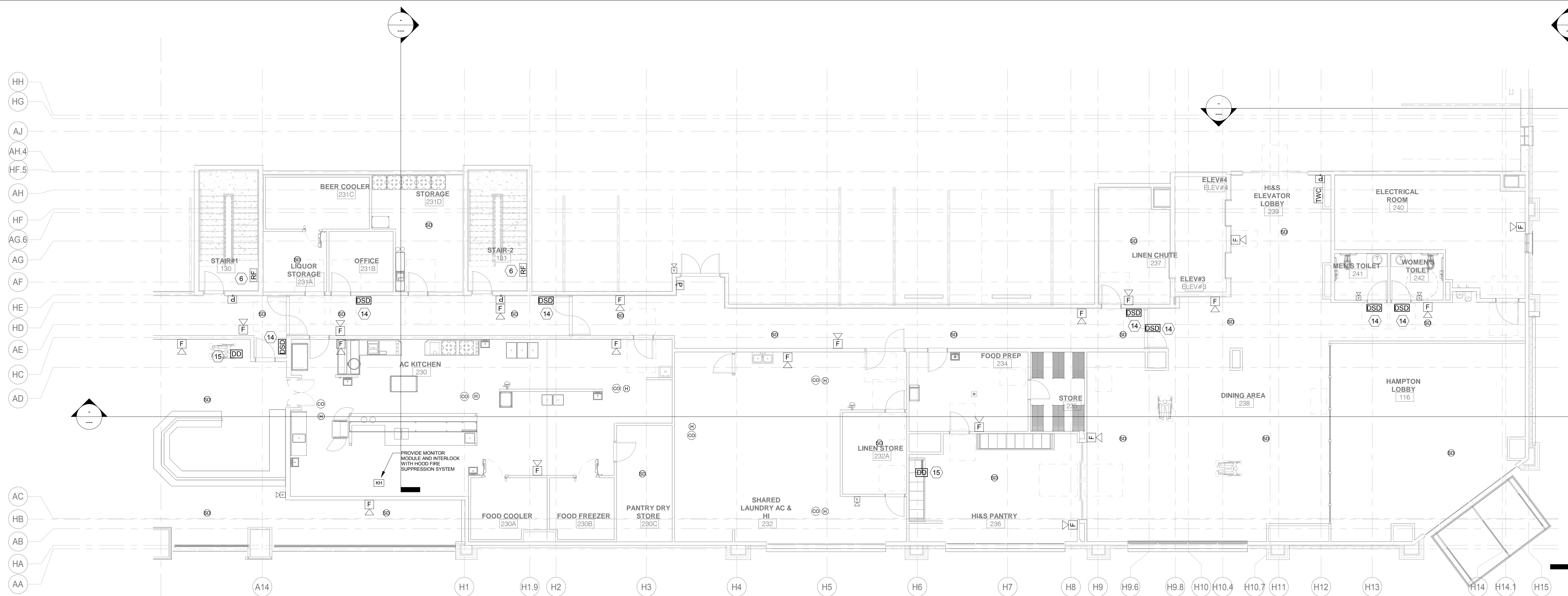
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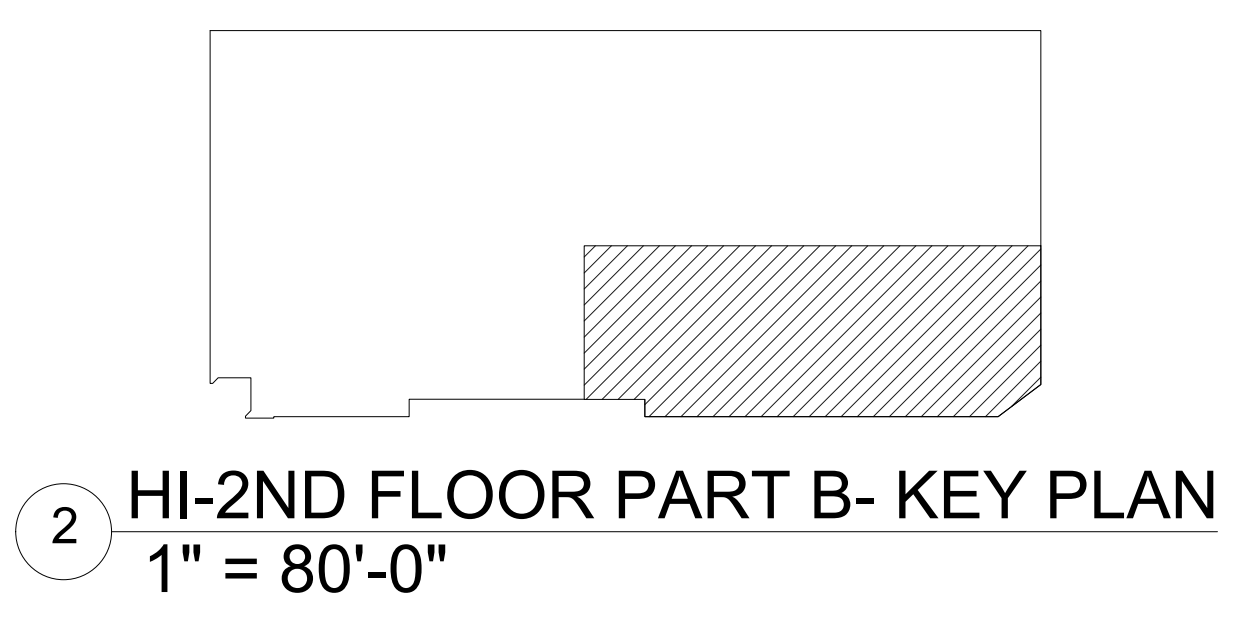
2ND FLOOR FA PLAN-A PLAN

**FA-202A**





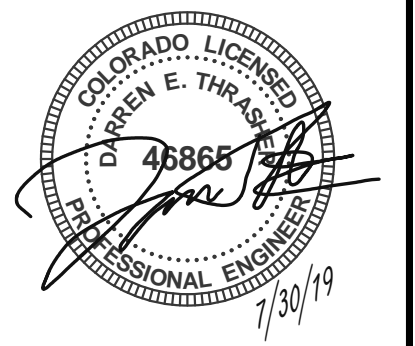
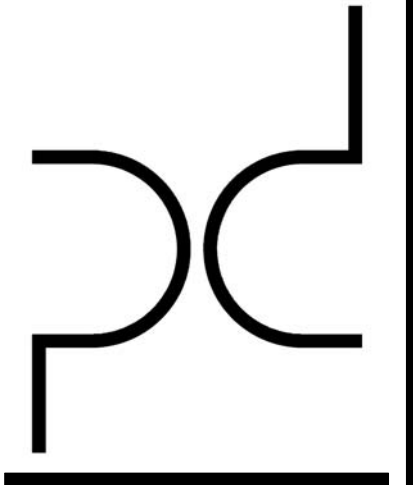
1 2ND FLOOR FA PLAN-B PLAN  
1/8" = 1'-0"



2 HI-2ND FLOOR PART B- KEY PLAN  
1" = 80'-0"

LEGENDS	
CS	COMBINATION OF SMOKE/CO DETECTOR, SURFACE MOUNTED
SD	SMOKE DETECTOR, SURFACE MOUNTED
SD L	LOW FREQUENCY HORN STROBE, WALL MOUNTED
SD	SMOKE DETECTOR WITHOUT SOUNDER BASE, WALL MOUNTED
F	COMBINATION AUDIAL/VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
P	MANUAL FIRE ALARM PULL STATION, MOUNTED @ 48" AFF
177cd V	VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
H	HEAT DETECTOR, SURFACE MOUNTED
FACP	FIRE ALARM CONTROL PANEL
RF	RADIO RESPONDER, SURFACE MOUNTED
CO	CO DETECTOR, SURFACE MOUNTED
FAAP	FIRE ALARM ANNUNCIATOR PANEL
CO SD	WALL-MOUNTED, COMBINATION SMOKE/CO DETECTOR
DD	DUCT SMOKE DETECTOR
FSD	FIRE/SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
DSD	DUCT-MOUNTED SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
T	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER - EDWARDS SERIES 590 RECESSED IN 4x4 BOX WITH 593 MOUNTING PLATE AND COVER.
D	HEARING-IMPAIRED DOORBELL SYSTEM PUSH BUTTON - EDWARDS MODEL 620 PUSH BUTTON WITH 147-10 COVERPLATE.
DB	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE - EDWARDS MODEL G6535-G5
TWC	EMERGENCY TWO-WAY COMMUNICATION SYSTEM CALL-IN STATION

FA-203B KEY NOTES	
#	Text
6	FIRE VENDOR SHALL PROVIDE RADIO RESPONDER OF APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING
14	DUCT-MOUNTED FIRE/SMOKE DAMPER TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.
15	FIRE ALARM DUCT SMOKE DETECTOR INSTALLED IN THE RETURN AIR DUCT OF THE AIR HANDLING UNIT. LOCATE AND INSTALL PER THE MANUFACTURER'S INSTRUCTIONS AND NFPA 72. ACTIVATION OF DETECTOR SHALL SHUT OFF THE ASSOCIATED AIR HANDLING UNIT AND SHALL CAUSE A SUPERVISORY ALARM ON THE FIRE ALARM SYSTEM.



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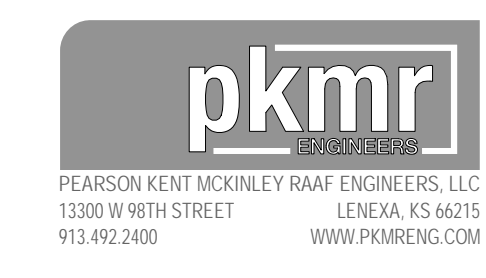
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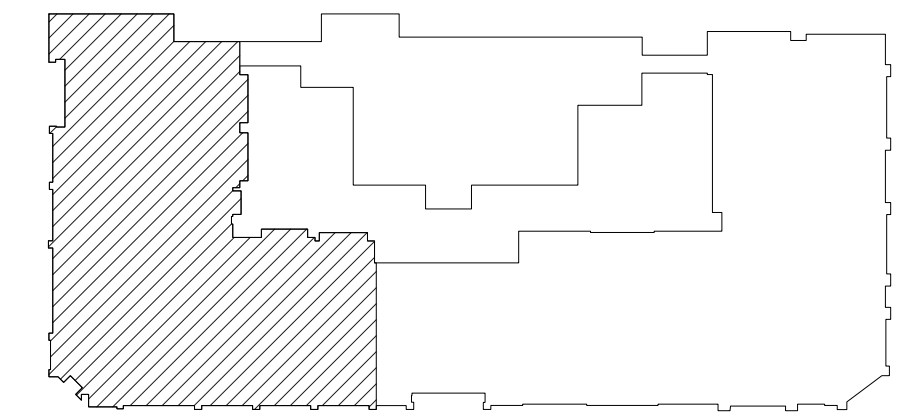
2ND FLOOR FA PLAN-B PLAN

**FA-203B**





1 3RD FLOOR FA PLAN-A PLAN  
1/8" = 1'-0"



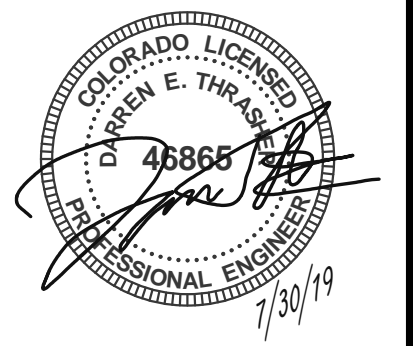
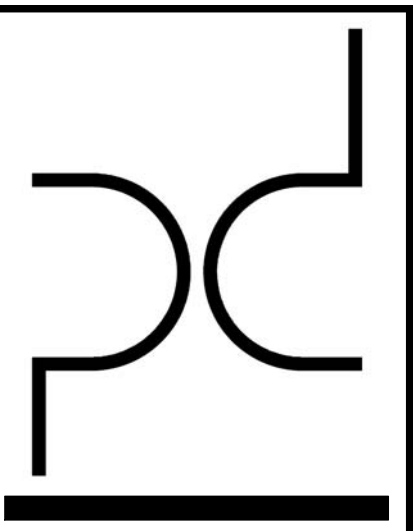
2 AC-3RD FLOOR PART A KEY PLAN  
1" = 80'-0"

LEGENDS

CS	COMBINATION OF SMOKE/CO DETECTOR, SURFACE MOUNTED
SD	SMOKE DETECTOR, SURFACE MOUNTED
520 L	LOW FREQUENCY HORN STROBE, WALL MOUNTED
SD	SMOKE DETECTOR WITHOUT SOUNDER BASE, WALL MOUNTED
F	COMBINATION AUDIAL/VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
P	MANUAL FIRE ALARM PULL STATION, MOUNTED @ 48" AFF
177co	VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
H	HEAT DETECTOR, SURFACE MOUNTED
FACP	FIRE ALARM CONTROL PANEL
RF	RADIO RESPONDER, SURFACE MOUNTED
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DB	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE - EDWARDS MODEL G6635-G5
TWC	EMERGENCY TWO-WAY COMMUNICATION SYSTEM CALL-IN STATION

FA-204A KEY NOTES

#	Text
1	FIRE ALARM HORN / STROBE MOUNTED AT 80" AFF AND 6" MIN. BELOW THE CEILING.
2	COMBINATION OF SMOKE AND CO DETECTOR.
3	PROVIDE MANUAL PULL STATION.
6	FIRE VENDOR SHALL PROVIDE RADIO RESPONDER OF APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING.
7	CONTRACTOR TO PROVIDE LOW FREQUENCY HORN (SQUARE WAVE WITH FUNDAMENTAL FREQUENCY OF 520 HZ) IN EACH SLEEPING UNIT AS PER NFPA 72 SECTION 18.4.5.
9	IN HEARING-IMPAIRED AND ACCESSIBLE ROOMS, CONTRACTOR TO PROVIDE LOW FREQUENCY HORN/STROBE (SQUARE WAVE WITH FUNDAMENTAL FREQUENCY OF 520 HZ) IN EACH SLEEPING UNIT AS PER NFPA 72 SECTION 18.4.5. STROBE INTENSITY SHALL COMPLY WITH NFPA 72 REQUIREMENTS BASED ON DISTANCE FROM CEILING.
13	FIRE/SMOKE DAMPER AT SHAFT WALL PENETRATION TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM. SMOKE DAMPER IN SUPPLY DUCT TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.
14	FIRE/SMOKE DAMPER AT SHAFT WALL PENETRATION TO CLOSE UPON ACTIVATION OF DUCT SMOKE DETECTOR.
16	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE INSTALLED AT SAME HEIGHT AS FIRE ALARM STROBE.
17	HEARING-IMPAIRED DOORBELL SYSTEM LOW-VOLTAGE PUSH-BUTTON INSTALLED AT 48" ABOVE FINISH FLOOR.
18	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER INSTALLED IN RECESSED BOX AS HIGH AS POSSIBLE WITH COVERPLATE. WIRE ON ROOM GENERAL RECEPTACLE CIRCUIT AND PROVIDE LINE-VOLTAGE TOGGLE ON/OFF SWITCH GANGED WITH ROOM LIGHT SWITCH.



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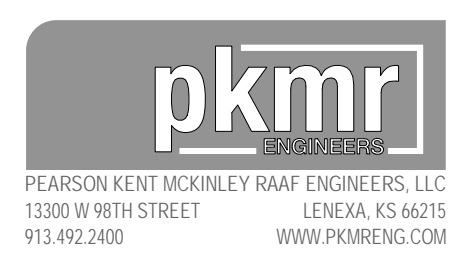
**OWNER**  
LAMONT COMPANIES  
205 6TH AVE. SE - SUITE 300  
ABERDEEN, SD 57401  
PHONE: 605.225.1712

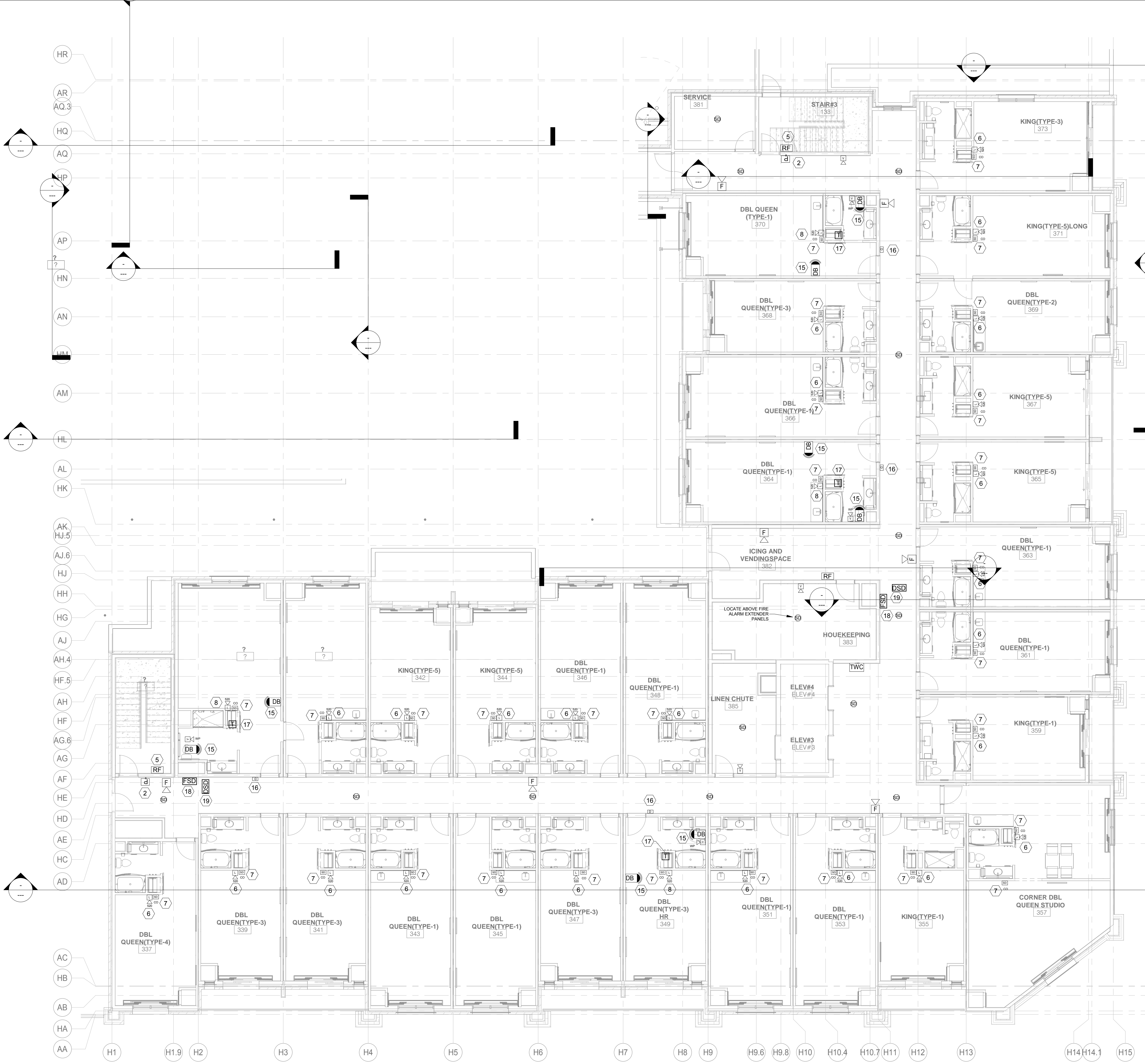
**Dual Hotel Durango**  
- AC & HIS  
400 Block, East 2nd Avenue, Durango, CO 81301

JOB NO: B4-14-1701  
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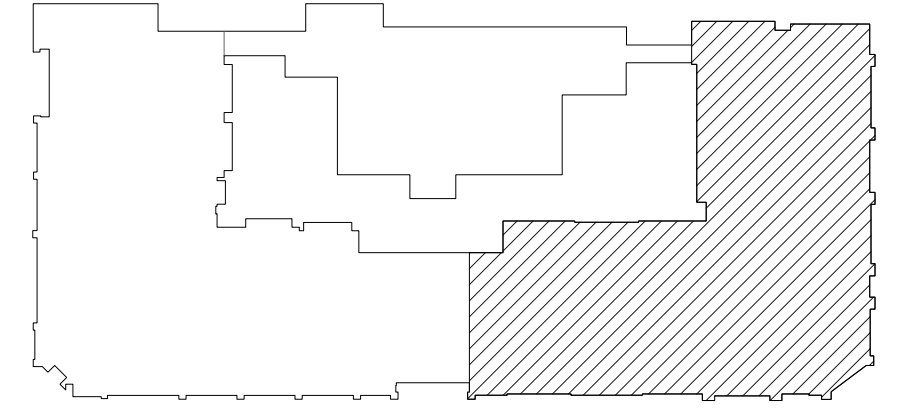
3RD FLOOR FA PLAN-A PLAN  
**FA-204A**





1 3RD FLOOR FA PLAN-B PLAN  
1/8" = 1'-0"

2 HI-3RD FLOOR PART B KEY PLAN  
1" = 80'-0"

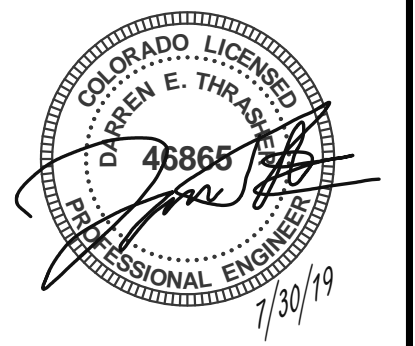
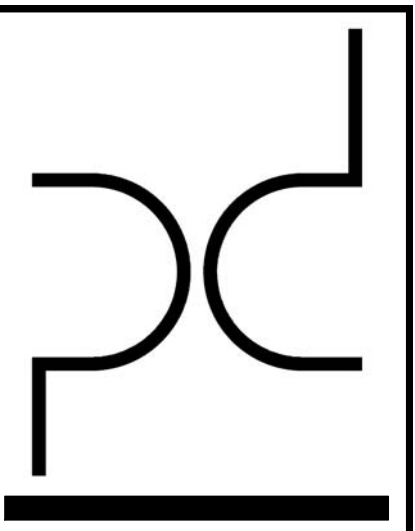


### LEGENDS

CS	COMBINATION OF SMOKE/CO DETECTOR, SURFACE MOUNTED
SD	SMOKE DETECTOR, SURFACE MOUNTED
520 L	LOW FREQUENCY HORN STROBE, WALL MOUNTED
SD	SMOKE DETECTOR WITHOUT SOUNDER BASE, WALL MOUNTED
F	COMBINATION AUDIAL/VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
P	MANUAL FIRE ALARM PULL STATION, MOUNTED @ 48" AFF
177cd V	VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
H	HEAT DETECTOR, SURFACE MOUNTED
FACP	FIRE ALARM CONTROL PANEL
RF	RADIO RESPONDER, SURFACE MOUNTED
CO	CO DETECTOR, SURFACE MOUNTED
FAAP	FIRE ALARM ANNUCIATOR PANEL
CO SD	WALL-MOUNTED, COMBINATION SMOKE/CO DETECTOR
DD	DUCT SMOKE DETECTOR
FSD	FIRE/SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
DSD	DUCT MOUNTED SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
T	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER - EDWARDS SERIES 590 RECESSED IN 4x4 BOX WITH 593 MOUNTING PLATE AND COVER.
D	HEARING-IMPAIRED DOORBELL SYSTEM PUSH BUTTON - EDWARDS MODEL 620 PUSH BUTTON WITH 147-10 COVERPLATE.
DB	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE - EDWARDS MODEL G6535-G5
TWC	EMERGENCY TWO-WAY COMMUNICATION SYSTEM CALL-IN STATION

### FA-205B KEY NOTES

#	Text
1	FIRE ALARM HORN / STROBE MOUNTED AT 80" AFF AND 6" MIN. BELOW THE CEILING.
2	PROVIDE MANUAL PULL STATION.
3	SMOKE DETECTOR WITHOUT SOUNDER BASE
4	ACCESSIBLE GUESTROOM AUDIBLE/VISUAL UNIT WITH 177 CANDELA RATING IN HEARING IMPAIRED AND/OR ACCESSIBLE GUESTROOMS AS PER NFPA 72 2013 TABLE 18.5.5.7.2
5	<b>FIRE VENDOR SHALL PROVIDE RADIO RESPONDER OF APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING</b>
6	CONTRACTOR TO PROVIDE LOW FREQUENCY HORN (SQUARE WAVE WITH FUNDAMENTAL FREQUENCY OF 520 HZ) IN EACH SLEEPING UNIT AS PER NFPA 72 SECTION 18.4.5.
7	COMBINATION OF SMOKE AND CO DETECTOR.
8	IN HEARING-IMPAIRED AND ACCESSIBLE ROOMS, CONTRACTOR TO PROVIDE LOW FREQUENCY HORN/STROBE (SQUARE WAVE WITH FUNDAMENTAL FREQUENCY OF 520HZ) IN EACH SLEEPING UNIT AS PER NFPA 72 SECTION 18.4.5. STROBE INTENSITY SHALL COMPLY WITH NFPA 72 REQUIREMENTS BASED ON DISTANCE FROM CEILING.
15	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE INSTALLED AT SAME HEIGHT AS FIRE ALARM STROBE.
16	HEARING-IMPAIRED DOORBELL SYSTEM LOW-VOLTAGE PUSH-BUTTON INSTALLED AT 48" ABOVE FINISH FLOOR.
17	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER INSTALLED IN RECESSED BOX AS HIGH AS POSSIBLE WITH COVERPLATE. WIRE ON ROOM GENERAL RECEPTACLE CIRCUIT AND PROVIDE LINE-VOLTAGE TOGGLE ON/OFF SWITCH GANGED WITH ROOM LIGHT SWITCH.
18	FIRE/SMOKE DAMPER AT SHAFT WALL PENETRATION TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.
19	SMOKE DAMPER IN SUPPLY DUCTWORK TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.



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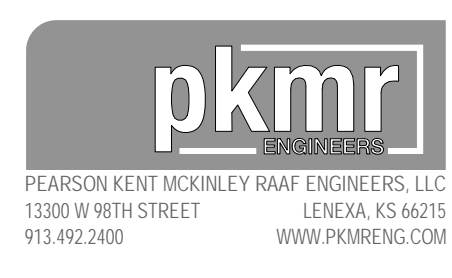
Dual Hotel Durango  
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400 Block, East 2nd Avenue, Durango, CO 81301

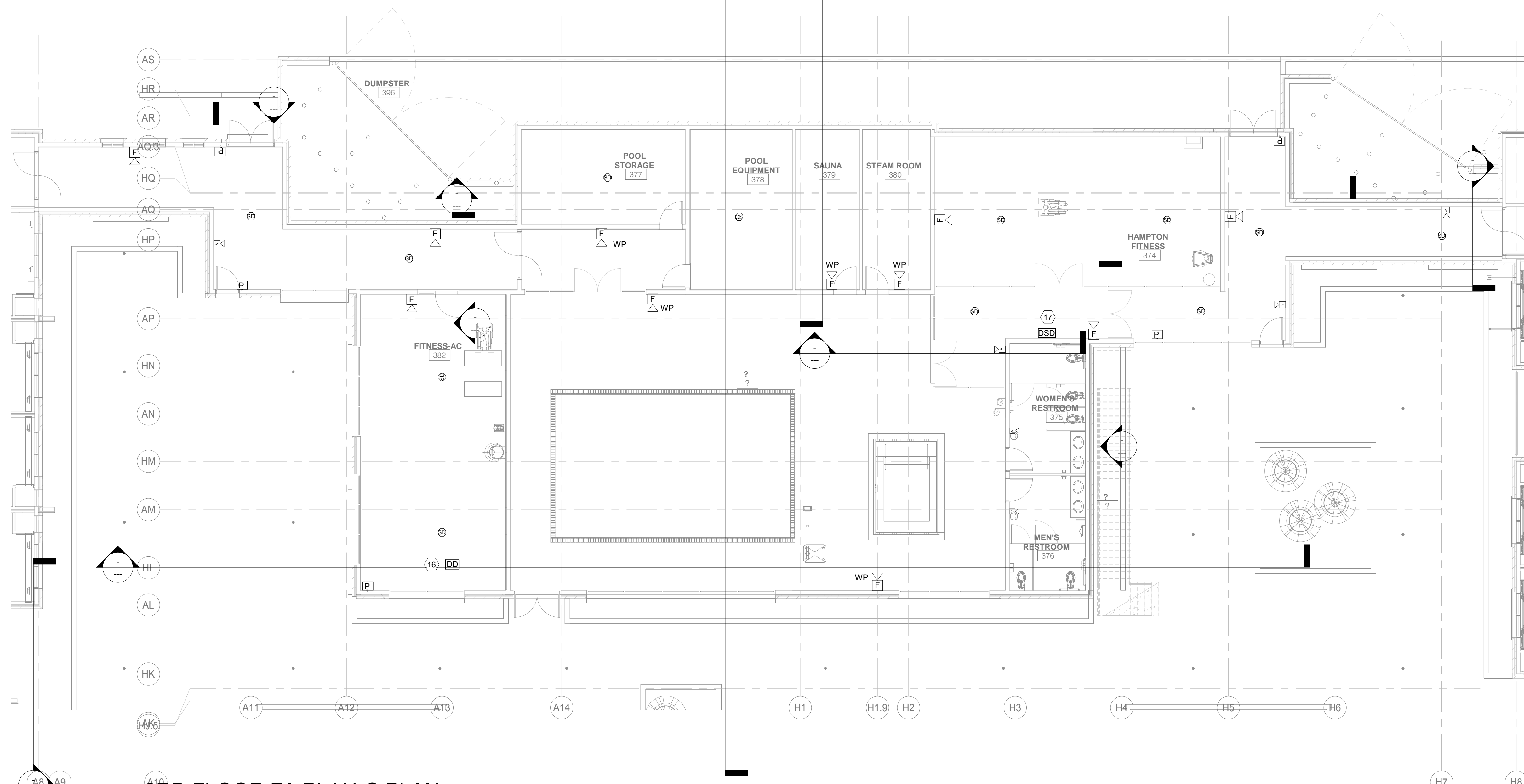
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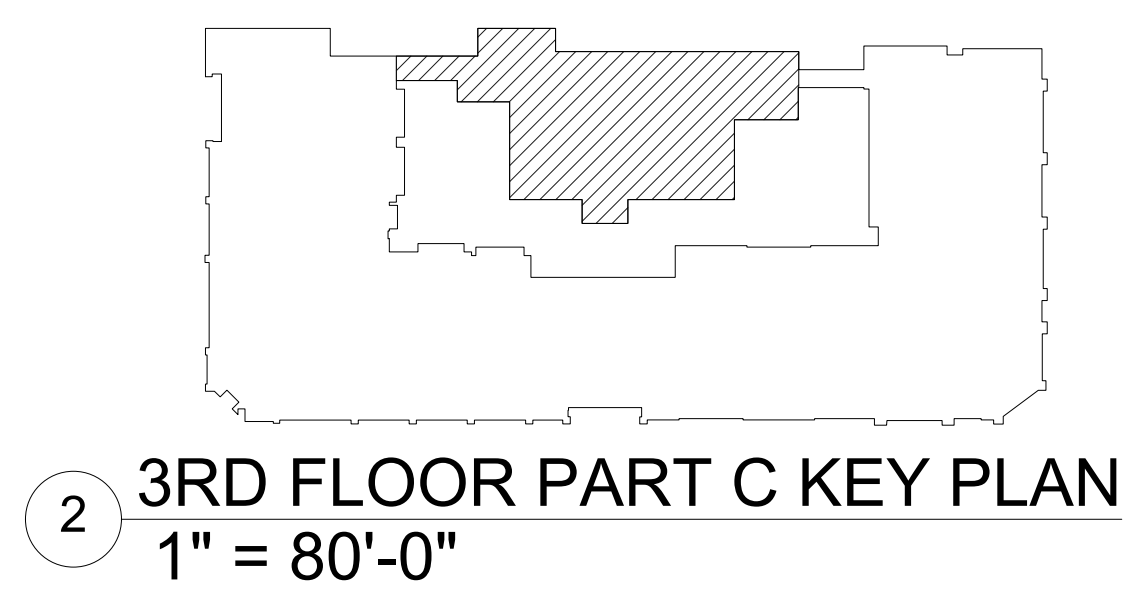
3RD FLOOR FA PLAN-B PLAN

**FA-205B**





1 3RD FLOOR FA PLAN-C PLAN  
1/8" = 1'-0"



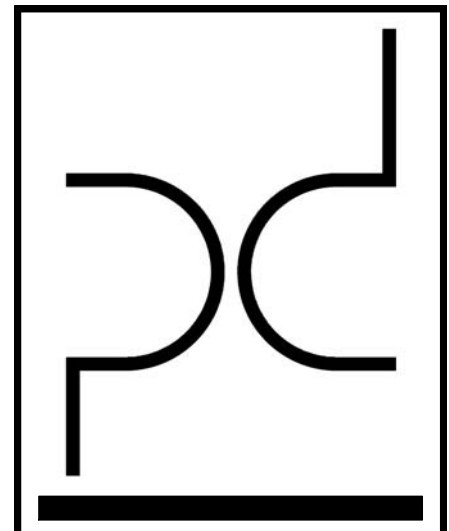
2 3RD FLOOR PART C KEY PLAN  
1" = 80'-0"

LEGENDS	
CS	COMBINATION OF SMOKE/CO DETECTOR, SURFACE MOUNTED
SD	SMOKE DETECTOR, SURFACE MOUNTED
520 L	LOW FREQUENCY HORN STROBE, WALL MOUNTED
SD	SMOKE DETECTOR WITHOUT SOUNDER BASE, WALL MOUNTED
F	COMBINATION AUDIAL/VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
P	MANUAL FIRE ALARM PULL STATION, MOUNTED @ 48" AFF
177cd V	VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
H	HEAT DETECTOR, SURFACE MOUNTED
FACP	FIRE ALARM CONTROL PANEL
RF	RADIO RESPONDER, SURFACE MOUNTED
CO	CO DETECTOR, SURFACE MOUNTED
FAAP	FIRE ALARM ANNUCIATOR PANEL
CO SD	WALL-MOUNTED, COMBINATION SMOKE/CO DETECTOR
DD	DUCT SMOKE DETECTOR
FSD	FIRE/SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
DSD	DUCT-MOUNTED SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
T	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER - EDWARDS SERIES 590 RECESSED IN 4x4 BOX WITH 593 MOUNTING PLATE AND COVER.
D	HEARING-IMPAIRED DOORBELL SYSTEM PUSH BUTTON - EDWARDS MODEL 620 PUSH BUTTON WITH 147-10 COVERPLATE.
DB	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE - EDWARDS MODEL G6535-G5
TWC	EMERGENCY TWO-WAY COMMUNICATION SYSTEM CALL-IN STATION

FA-206C KEY NOTES	
#	Text
16	FIRE ALARM DUCT SMOKE DETECTOR LOCATED IN THE RETURN AIR DUCT OF THE AIR HANDLING UNITS. LOCATE AND INSTALL PER THE MANUFACTURER'S REQUIREMENTS AND NFPA 72. ACTIVATION OF DETECTOR SHALL SHUT DOWN THE ASSOCIATED AIR HANDLING UNIT AND SHALL CAUSE A SUPERVISORY ALARM ON THE FIRE ALARM SYSTEM.
17	DUCT-MOUNTED FIRE/SMOKE DAMPER TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.



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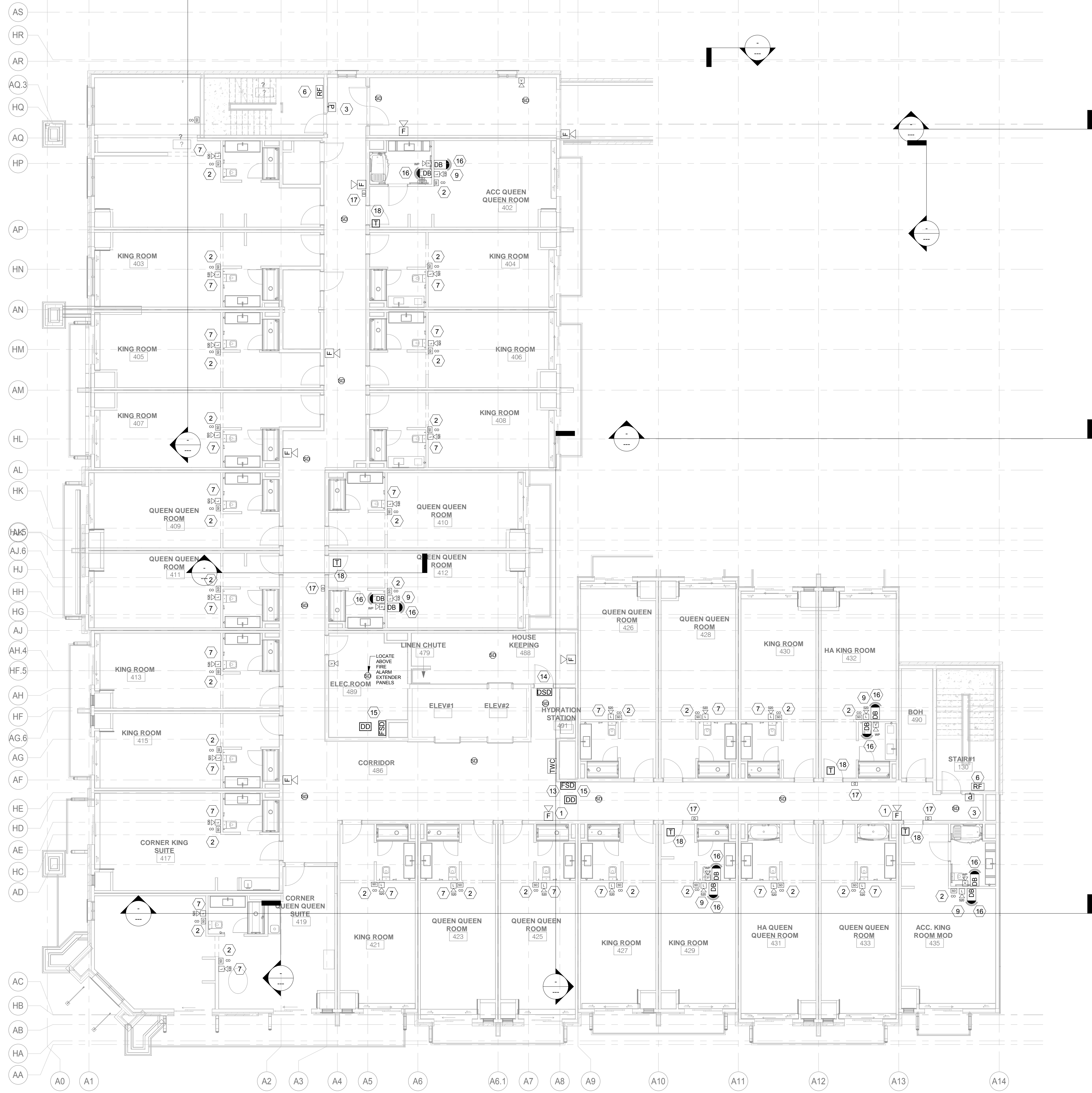
JOB NO: 04-14-1701  
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3RD FLOOR FA PLAN-C PLAN

FA-206C





1 4TH FLOOR FA PLAN-A PLAN  
1/8" = 1'-0"

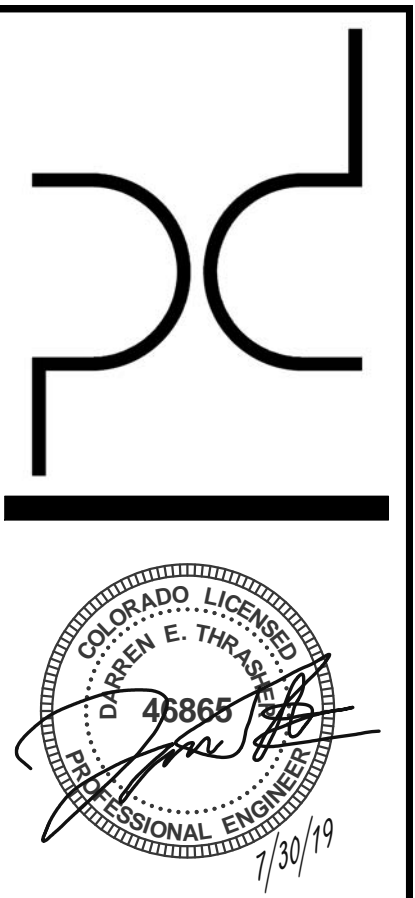
2 AC-4TH FLOOR PART A KEY PLAN  
1" = 80'-0"

### LEGENDS

CS	COMBINATION OF SMOKE/CO DETECTOR, SURFACE MOUNTED
SD	SMOKE DETECTOR, SURFACE MOUNTED
520 L	LOW FREQUENCY HORN STROBE, WALL MOUNTED
SD	SMOKE DETECTOR WITHOUT SOUNDER BASE, WALL MOUNTED
F	COMBINATION AUDIAL/VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
P	MANUAL FIRE ALARM PULL STATION, MOUNTED @ 48" AFF
177cd V	VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
H	HEAT DETECTOR, SURFACE MOUNTED
FACP	FIRE ALARM CONTROL PANEL
RF	RADIO RESPONDER, SURFACE MOUNTED
CO	CO DETECTOR, SURFACE MOUNTED
FAAP	FIRE ALARM ANNUCIATOR PANEL
CO SD	WALL-MOUNTED, COMBINATION SMOKE/CO DETECTOR
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DB	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE - EDWARDS MODEL G6535-G5
TWC	EMERGENCY TWO-WAY COMMUNICATION SYSTEM CALL-IN STATION

### FA-207A KEY NOTES

#	Text
1	FIRE ALARM HORN / STROBE MOUNTED AT 80" AFF AND 6" MIN. BELOW THE CEILING.
2	COMBINATION OF SMOKE AND CO DETECTOR.
3	PROVIDE MANUAL PULL STATION.
6	FIRE VENDOR SHALL PROVIDE RADIO RESPONDER OF APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING
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13	FIRE/SMOKE DAMPER AT SHAFT WALL PENETRATION TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.
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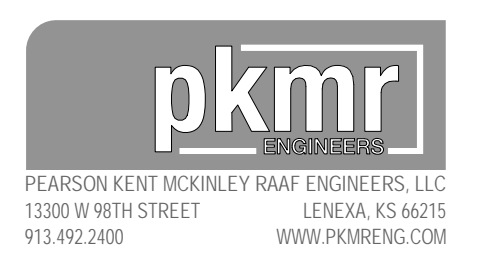
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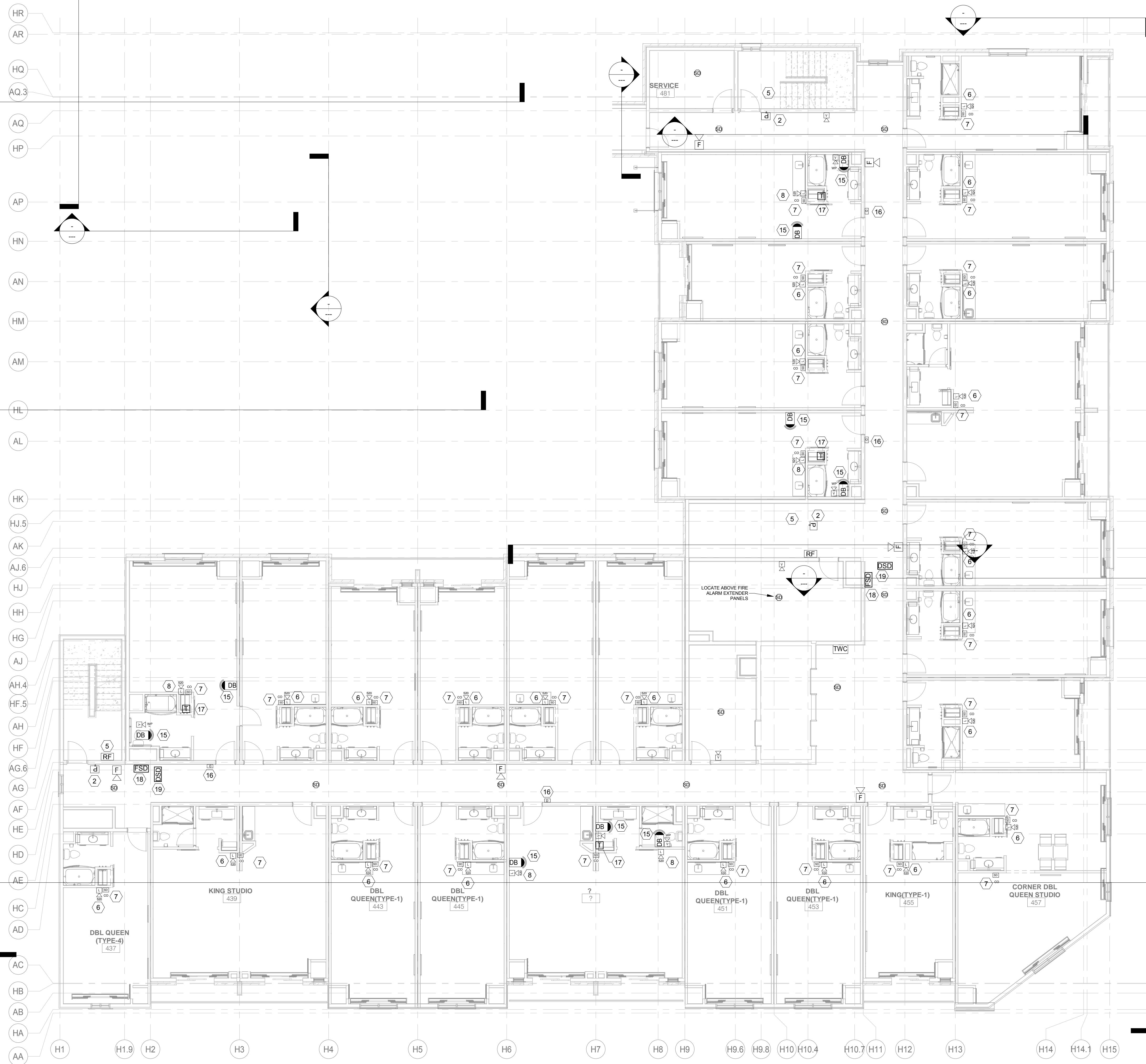
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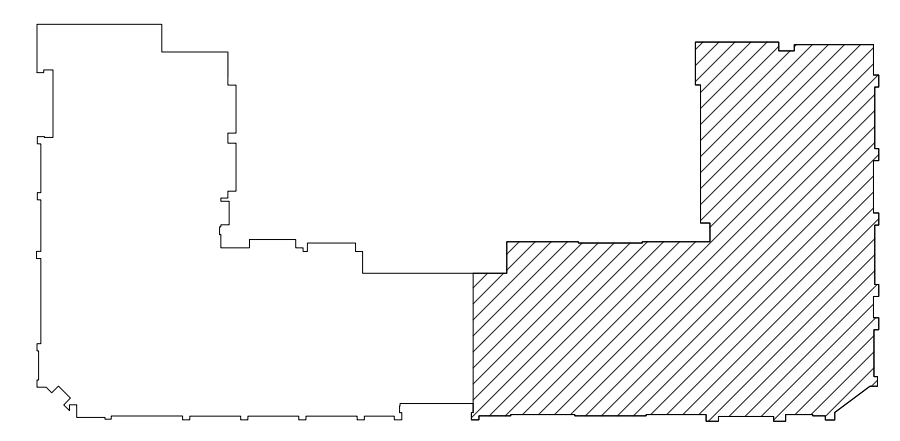
4TH FLOOR FA PLAN-A PLAN

**FA-207A**





1 FA- FOURTH FLOOR FA PLAN-B PLAN(NEW)  
1/8" = 1'-0"

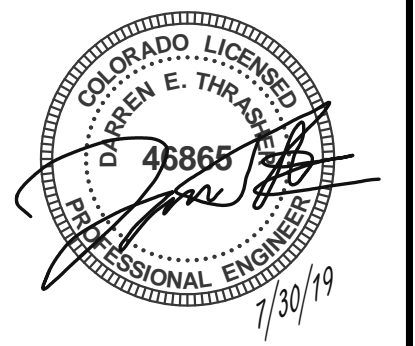
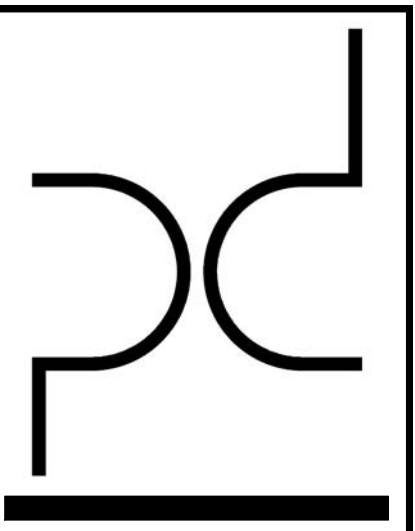


2 HI-4TH FLOOR PART B KEY PLAN  
1" = 80'-0"

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16	HEARING-IMPAIRED DOORBELL SYSTEM LOW-VOLTAGE PUSH-BUTTON INSTALLED AT 48" ABOVE FINISH FLOOR.
17	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER INSTALLED IN RECESSED BOX AS HIGH AS POSSIBLE WITH COVERPLATE. WIRE ON ROOM GENERAL RECEPTACLE CIRCUIT AND PROVIDE LINE-VOLTAGE TOGGLE ON/OFF SWITCH GANGED WITH ROOM LIGHT SWITCH.
18	FIRE/SMOKE DAMPER AT SHAFT WALL PENETRATION TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.
19	SMOKE DAMPER IN SUPPLY DUCTWORK TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.

FA-208B KEY NOTES



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**MEP ENGINEERS**  
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**CIVIL ENGINEERS**  
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**KITCHEN CONSULTANT**  
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1-320-259-6557

**OWNER**  
LAMONT COMPANIES  
205 6TH AVE. SE - SUITE 300  
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PHONE: 605.225.1712

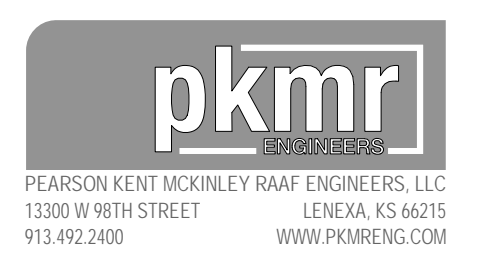
**Dual Hotel Durango**  
- AC & HIS  
400 Block, East 2nd Avenue, Durango, CO 81301

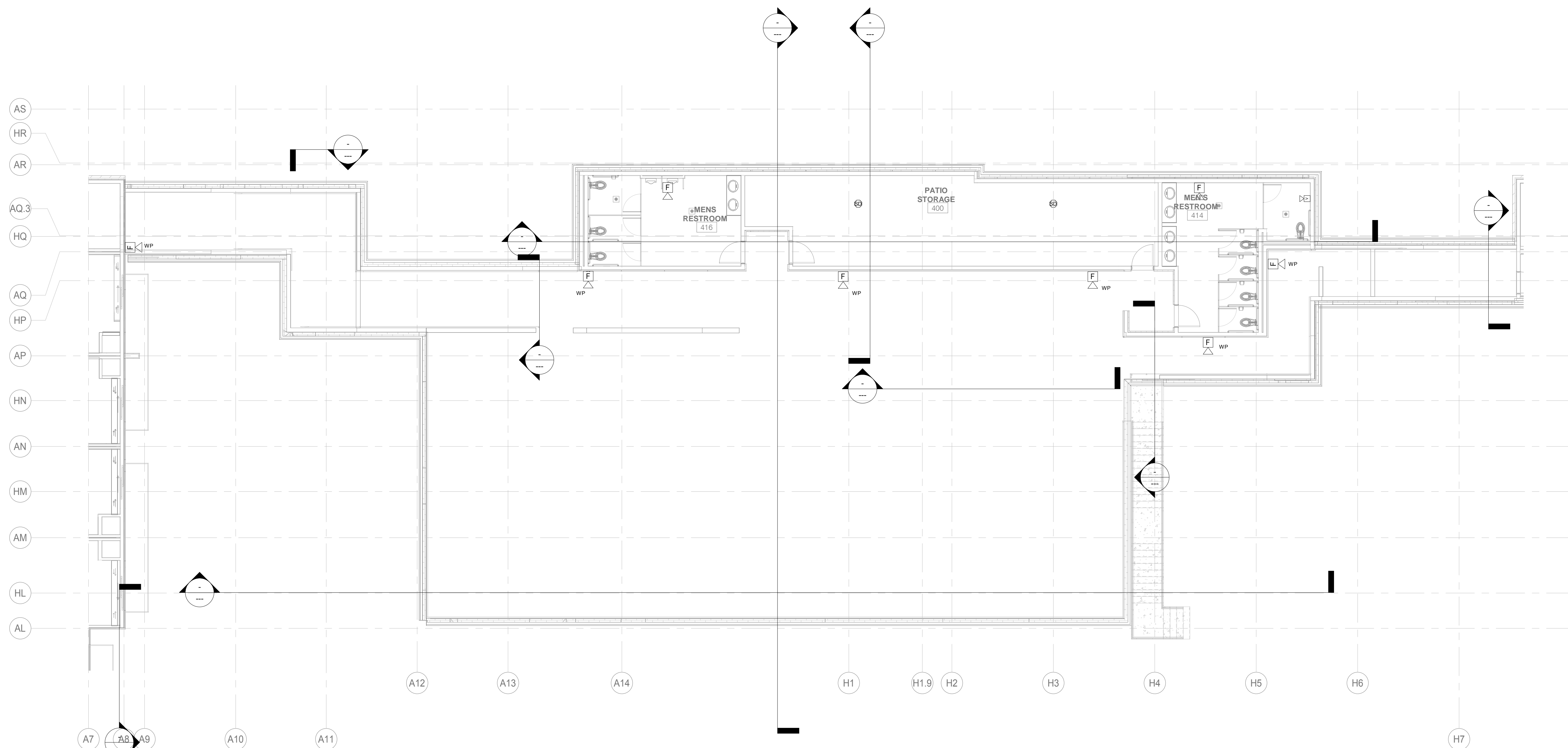
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DATE: 03-07-2019  
ISSUE RECORD: FOR CONSTRUCTION

REVISIONS:  
0 2018.05.30

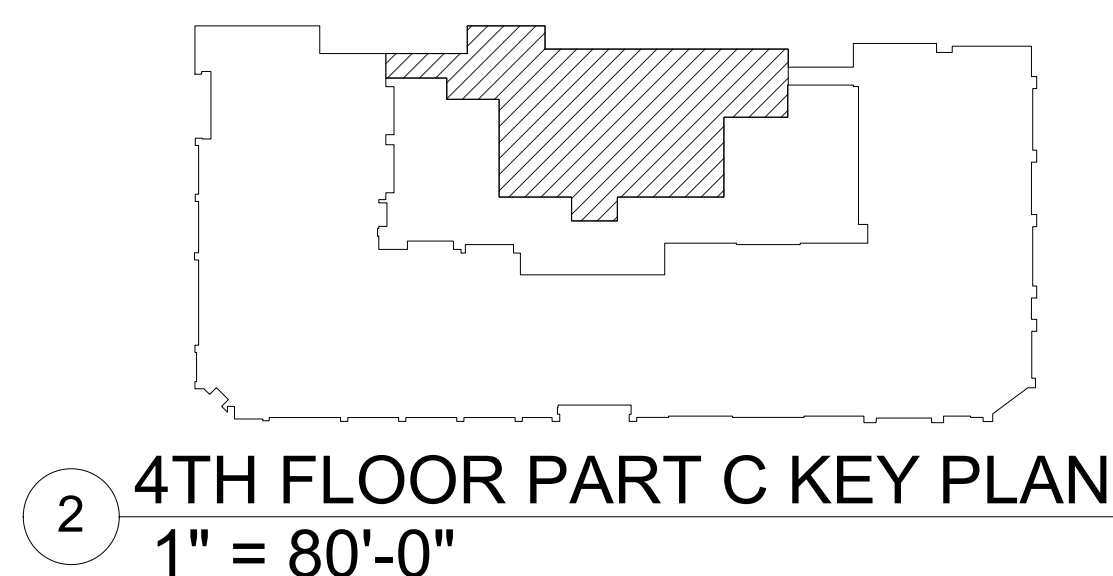
4TH FLOOR FA PLAN-B PLAN

**FA-208B**





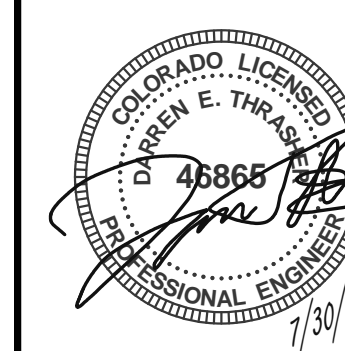
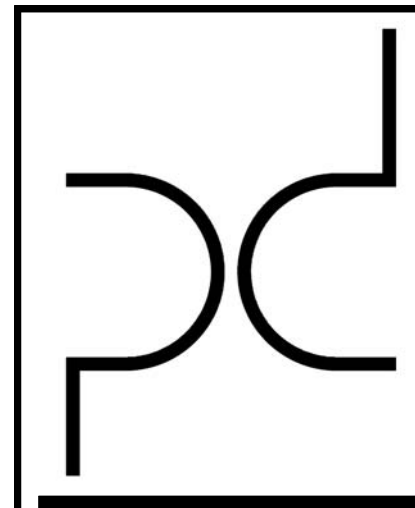
1 4TH FLOOR FA PLAN-C PLAN  
1/8" = 1'-0"



2 4TH FLOOR PART C KEY PLAN  
1" = 80'-0"

LEGENDS	
(CS)	COMBINATION OF SMOKE/CO DETECTOR, SURFACE MOUNTED
(SD)	SMOKE DETECTOR, SURFACE MOUNTED
520 L	LOW FREQUENCY HORN STROBE, WALL MOUNTED
(SD)	SMOKE DETECTOR WITHOUT SOUNDER BASE, WALL MOUNTED
(F)	COMBINATION AUDIAL/VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
(P)	MANUAL FIRE ALARM PULL STATION, MOUNTED @ 48" AFF
177cd V	VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
(H)	HEAT DETECTOR, SURFACE MOUNTED
(FACP)	FIRE ALARM CONTROL PANEL
(RF)	RADIO RESPONDER, SURFACE MOUNTED
(CO)	CO DETECTOR, SURFACE MOUNTED
(FAAP)	FIRE ALARM ANNUNCIATOR PANEL
(CO SD)	WALL-MOUNTED, COMBINATION SMOKE/CO DETECTOR
(DD)	DUCT SMOKE DETECTOR
(FSD)	FIRE/SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
(DSD)	DUCT-MOUNTED SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
(T)	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER - EDWARDS SERIES 590 RECESSED IN 4x4 BOX WITH 593 MOUNTING PLATE AND COVER.
(D)	HEARING-IMPAIRED DOORBELL SYSTEM PUSH BUTTON - EDWARDS MODEL 620 PUSH BUTTON WITH 147-10 COVERPLATE.
(DB)	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE - EDWARDS MODEL G6535-G5
(TWC)	EMERGENCY TWO-WAY COMMUNICATION SYSTEM CALL-IN STATION

FA-209C KEY NOTES	
#	Text



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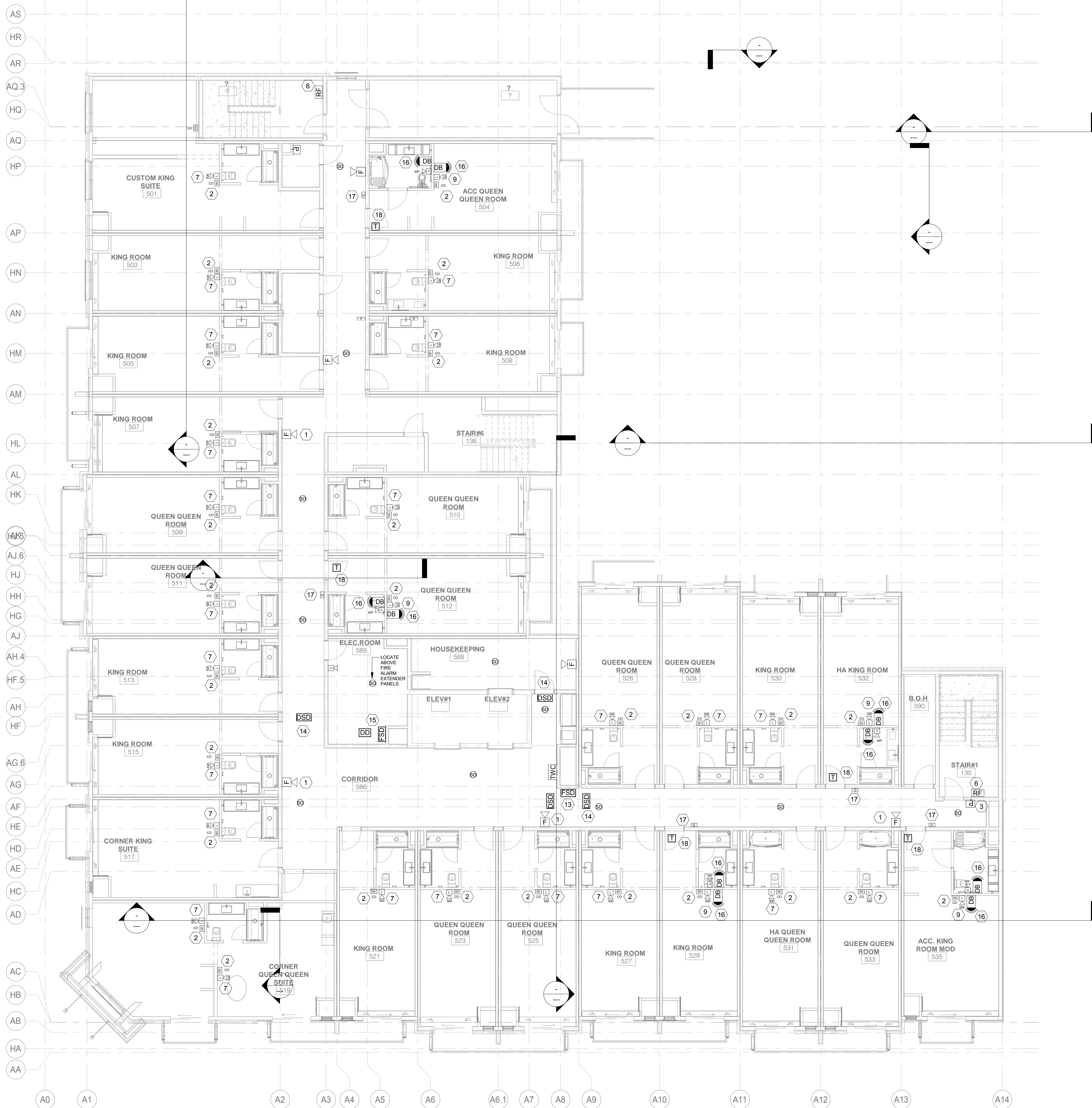
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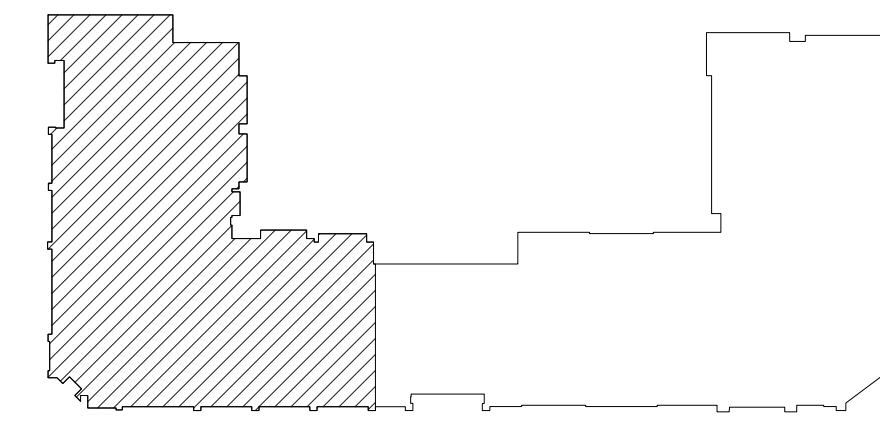
4TH FLOOR FA PLAN-C PLAN

FA-209C





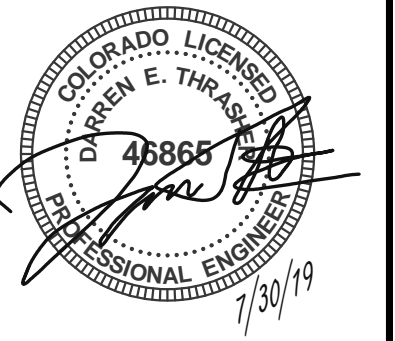
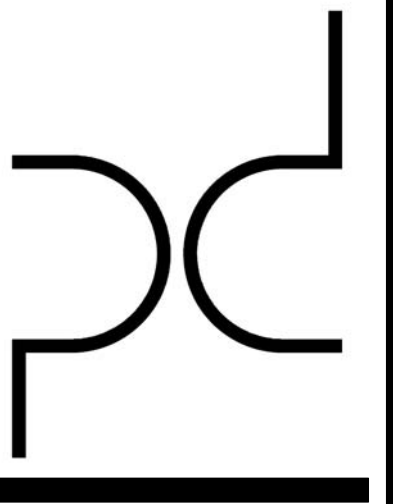
1 5TH FLOOR FA PLAN- A PLAN  
1/8" = 1'-0"



2 AC-5TH FLOOR PART A KEY PLAN  
1" = 80'-0"

LEGENDS	
CS	COMBINATION OF SMOKE/CO DETECTOR, SURFACE MOUNTED
SD	SMOKE DETECTOR, SURFACE MOUNTED
520 L	LOW FREQUENCY HORN STROBE, WALL MOUNTED
SD	SMOKE DETECTOR WITHOUT SOUNDER BASE, WALL MOUNTED
F	COMBINATION AUDIAL/VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
P	MANUAL FIRE ALARM PULL STATION, MOUNTED @ 48" AFF
177cd V	VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
H	HEAT DETECTOR, SURFACE MOUNTED
FACP	FIRE ALARM CONTROL PANEL
RF	RADIO RESPONDER, SURFACE MOUNTED
CO	CO DETECTOR, SURFACE MOUNTED
FAAP	FIRE ALARM ANNUCIATOR PANEL
CO SD	WALL-MOUNTED, COMBINATION SMOKE/CO DETECTOR
DD	DUCT SMOKE DETECTOR
FSD	FIRE/SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
DSD	DUCT-MOUNTED SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
T	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER - EDWARDS SERIES 590 RECESSED IN 4x4 BOX WITH 593 MOUNTING PLATE AND COVER.
D	HEARING-IMPAIRED DOORBELL SYSTEM PUSH BUTTON - EDWARDS MODEL 620 PUSH BUTTON WITH 147-10 COVERPLATE.
DB	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE - EDWARDS MODEL G653-G5
TWC	EMERGENCY TWO-WAY COMMUNICATION SYSTEM CALL-IN STATION

FA-210A KEY NOTES	
#	Text
1	FIRE ALARM HORN / STROBE MOUNTED AT 80" AFF AND 6" MIN. BELOW THE CEILING.
2	COMBINATION OF SMOKE AND CO DETECTOR.
3	PROVIDE MANUAL PULL STATION.
6	FIRE VENDOR SHALL PROVIDE RADIO RESPONDER OF APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING.
7	CONTRACTOR TO PROVIDE LOW FREQUENCY HORN (SQUARE WAVE WITH FUNDAMENTAL FREQUENCY OF 520 HZ) IN EACH SLEEPING UNIT AS PER NFPA 72 SECTION 18.4.5.
9	IN HEARING-IMPAIRED AND ACCESSIBLE ROOMS, CONTRACTOR TO PROVIDE LOW FREQUENCY HORN/STROBE (SQUARE WAVE WITH FUNDAMENTAL FREQUENCY OF 520 HZ) IN EACH SLEEPING UNIT AS PER NFPA 72 SECTION 18.4.5. STROBE INTENSITY SHALL COMPLY WITH NFPA 72 REQUIREMENTS BASED ON DISTANCE FROM CEILING.
13	FIRE/SMOKE DAMPER AT SHAFT WALL PENETRATION TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.
14	SMOKE DAMPER IN SUPPLY DUCT TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.
15	FIRE/SMOKE DAMPER AT SHAFT WALL PENETRATION TO CLOSE UPON ACTIVATION OF DUCT SMOKE DETECTOR.
16	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE INSTALLED AT SAME HEIGHT AS FIRE ALARM STROBE.
17	HEARING-IMPAIRED DOORBELL SYSTEM LOW-VOLTAGE PUSH-BUTTON INSTALLED AT 48" ABOVE FINISH FLOOR.
18	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER INSTALLED IN RECESSED BOX AS HIGH AS POSSIBLE WITH COVERPLATE. WIRE ON ROOM GENERAL RECEPTACLE CIRCUIT AND PROVIDE LINE-VOLTAGE TOGGLE ON/OFF SWITCH GANGED WITH ROOM LIGHT SWITCH.



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JOB NO: 84-114-1701

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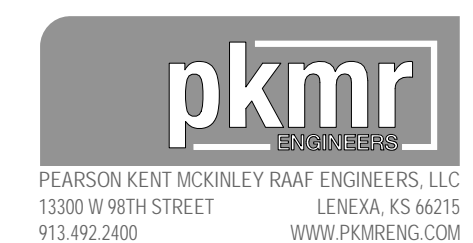
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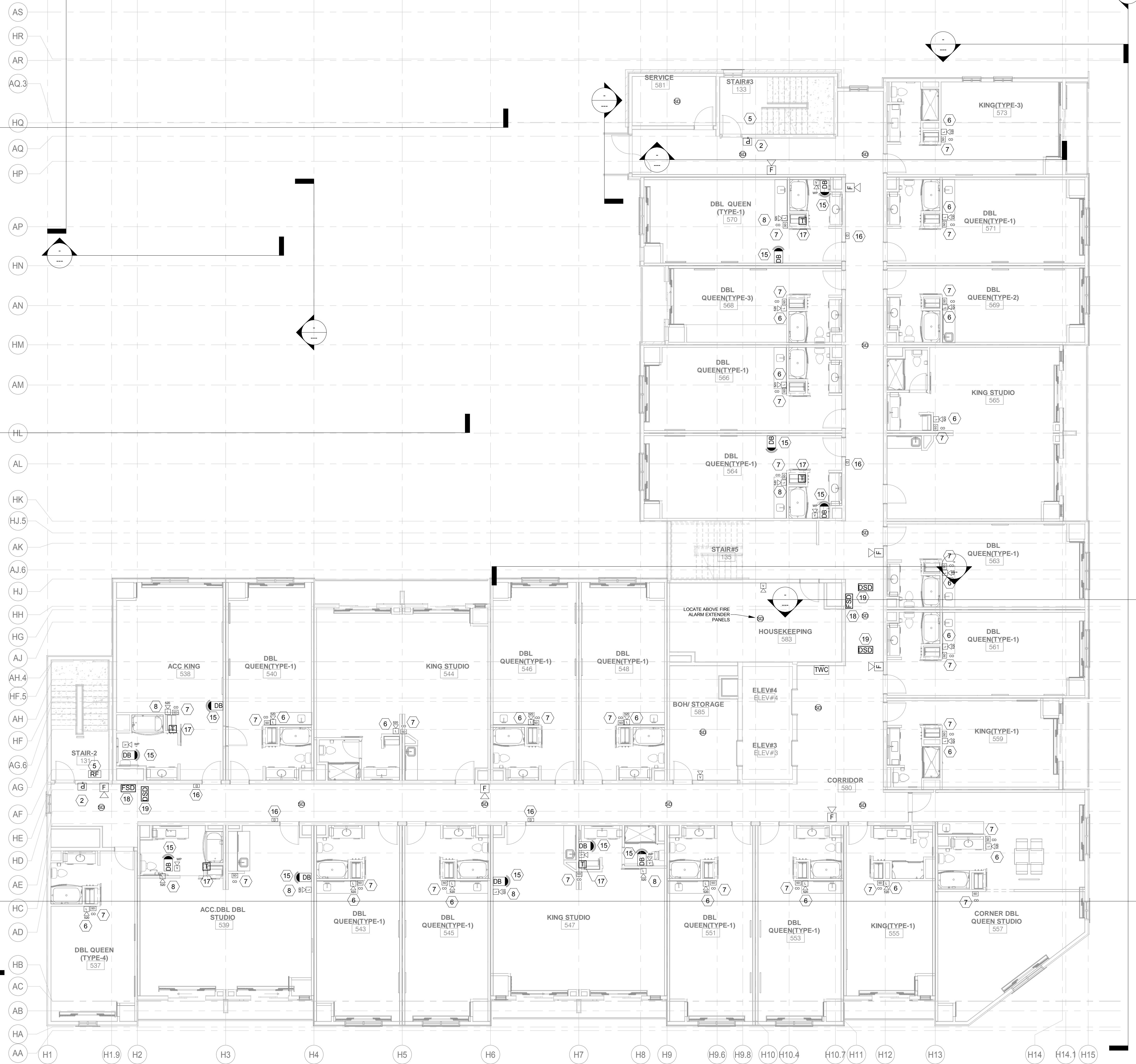
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5TH FLOOR FA PLAN- A PLAN

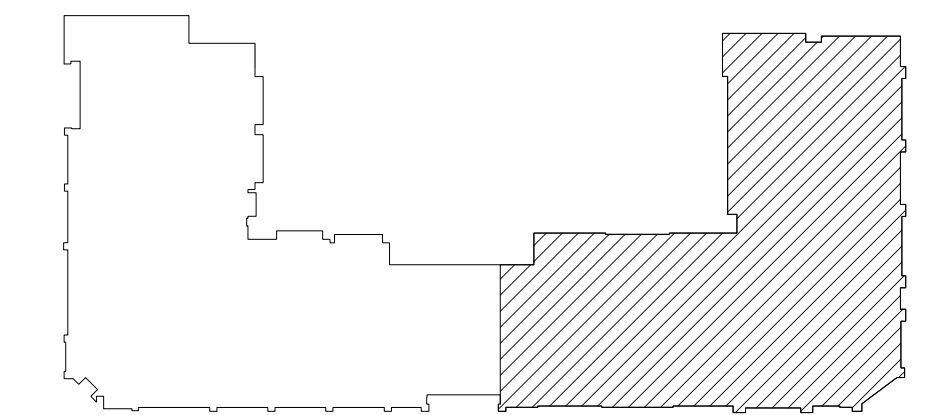
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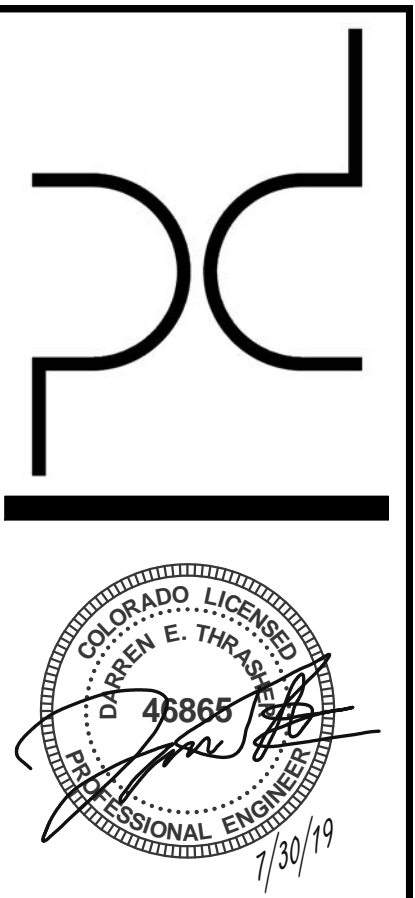
1 5TH FLOOR FA PLAN-B PLAN(NEW)  
1/8" = 1'-0"

2 HI-5TH FLOOR PART B KEY PLAN  
1" = 80'-0"



LEGENDS	
CS	COMBINATION OF SMOKE/CO DETECTOR, SURFACE MOUNTED
SD	SMOKE DETECTOR, SURFACE MOUNTED
520 L	LOW FREQUENCY HORN STROBE, WALL MOUNTED
SD	SMOKE DETECTOR WITHOUT SOUNDER BASE, WALL MOUNTED
F	COMBINATION AUDIAL/VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
P	MANUAL FIRE ALARM PULL STATION, MOUNTED @ 48" AFF
177cd	VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
H	HEAT DETECTOR, SURFACE MOUNTED
FACP	FIRE ALARM CONTROL PANEL
RF	RADIO RESPONDER, SURFACE MOUNTED
CO	CO DETECTOR, SURFACE MOUNTED
FAAP	FIRE ALARM ANNUNCIATOR PANEL
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D	HEARING-IMPAIRED DOORBELL SYSTEM PUSH BUTTON - EDWARDS MODEL 620 PUSH BUTTON WITH 147-10 COVERPLATE.
DB	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE - EDWARDS MODEL G6535-G5
TWC	EMERGENCY TWO-WAY COMMUNICATION SYSTEM CALL-IN STATION

#	Text
1	FIRE ALARM HORN / STROBE MOUNTED AT 80" AFF AND 6" MIN. BELOW THE CEILING.
2	PROVIDE MANUAL PULL STATION.
3	SMOKE DETECTOR WITHOUT SOUNDER BASE
4	ACCESSIBLE GUESTROOM AUDIBLE/VISUAL UNIT WITH 177 CANDELA RATING IN HEARING IMPAIRED AND/OR ACCESSIBLE GUESTROOMS AS PER NFPA 72 2013 TABLE 18.5.5.7.2
5	FIRE VENDOR SHALL PROVIDE RADIO RESPONDER OF APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING
6	CONTRACTOR TO PROVIDE LOW FREQUENCY HORN (SQUARE WAVE WITH FUNDAMENTAL FREQUENCY OF 520 HZ) IN EACH SLEEPING UNIT AS PER NFPA 72 SECTION 18.4.5.
7	COMBINATION OF SMOKE AND CO DETECTOR.
8	IN HEARING-IMPAIRED AND ACCESSIBLE ROOMS, CONTRACTOR TO PROVIDE LOW FREQUENCY HORN/STROBE (SQUARE WAVE WITH FUNDAMENTAL FREQUENCY OF 520HZ) IN EACH SLEEPING UNIT AS PER NFPA 72 SECTION 18.4.5. STROBE INTENSITY SHALL COMPLY WITH NFPA 72 REQUIREMENTS BASED ON DISTANCE FROM CEILING.
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16	HEARING-IMPAIRED DOORBELL SYSTEM LOW-VOLTAGE PUSH-BUTTON INSTALLED AT 48" ABOVE FINISH FLOOR.
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18	FIRE SMOKE DAMPER AT SHAFT WALL PENETRATION TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.
19	SMOKE DAMPER IN SUPPLY DUCTWORK TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.



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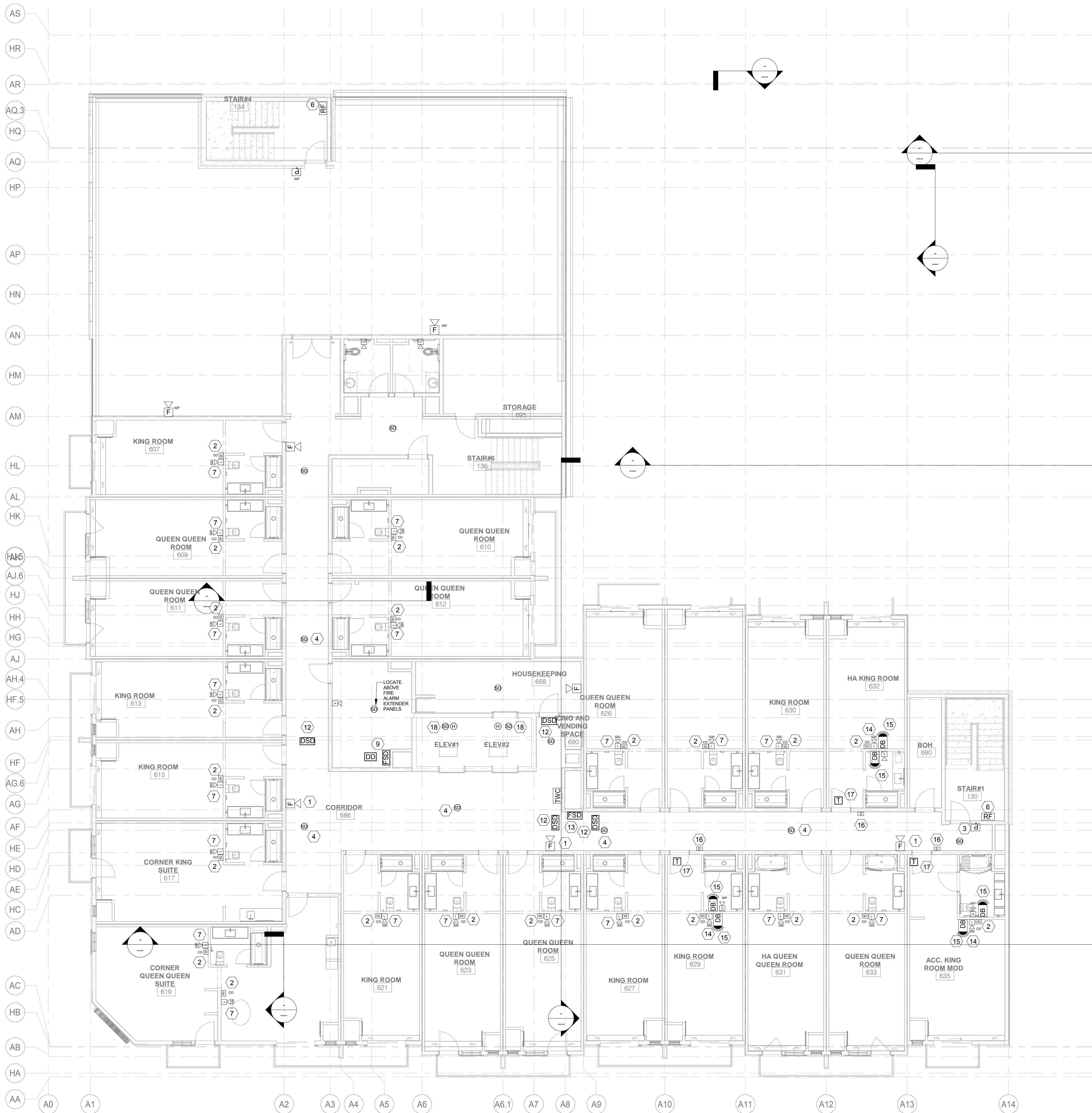
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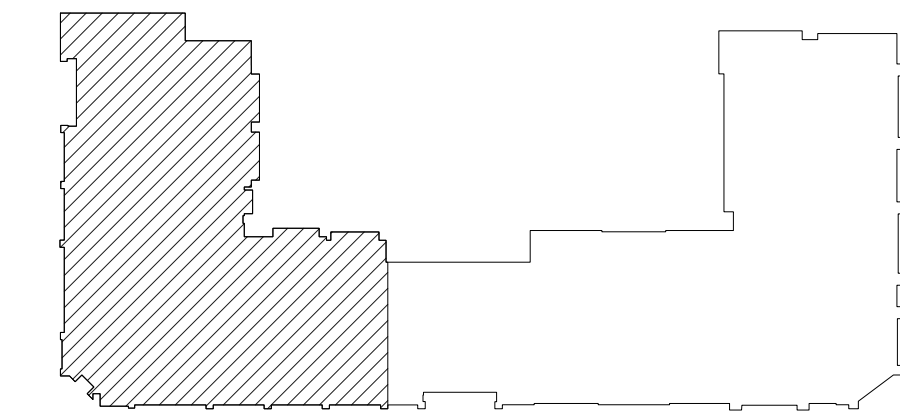
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5TH FLOOR FA PLAN-B PLAN  
**FA-211B**



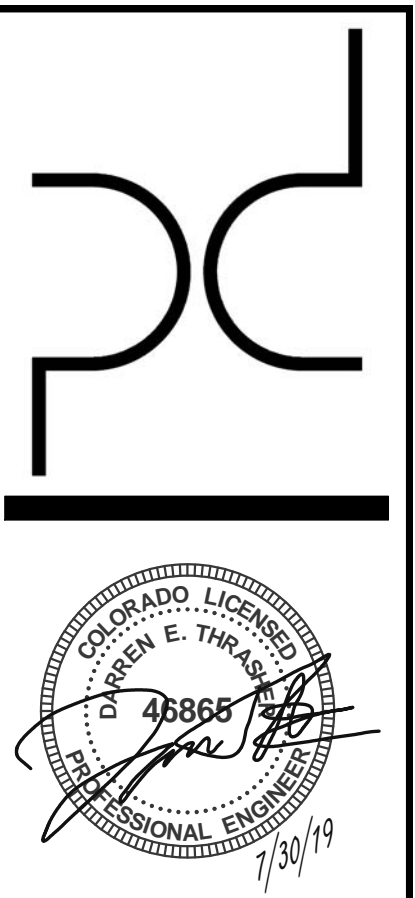
1 6TH FLOOR FA PLAN-A PLAN  
1/8" = 1'-0"



2 AC-6TH FLOOR PART A KEY PLAN  
1" = 80'-0"

LEGENDS	
CS	COMBINATION OF SMOKE/CO DETECTOR, SURFACE MOUNTED
SD	SMOKE DETECTOR, SURFACE MOUNTED
520 L	LOW FREQUENCY HORN STROBE, WALL MOUNTED
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FACP	FIRE ALARM CONTROL PANEL
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DB	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE - EDWARDS MODEL G6535-G5
TWC	EMERGENCY TWO-WAY COMMUNICATION SYSTEM CALL-IN STATION

FA-212A KEY NOTES	
#	Text
1	FIRE ALARM HORN / STROBE MOUNTED AT 80" AFF AND 6" MIN. BELOW THE CEILING.
2	COMBINATION OF SMOKE AND CO DETECTOR.
3	PROVIDE MANUAL PULL STATION.
4	SMOKE DETECTOR WITHOUT SOUNDER BASE
6	FIRE VENDOR SHALL PROVIDE RADIO RESPONDER OF APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING
7	CONTRACTOR TO PROVIDE LOW FREQUENCY HORN (SQUARE WAVE WITH FUNDAMENTAL FREQUENCY OF 520 HZ) IN EACH SLEEPING UNIT AS PER NFPA 72 SECTION 18.4.5.
9	FIRE/SMOKE DAMPER AT SHAFT WALL PENETRATION TO CLOSE UPON ACTIVATION OF DUCT SMOKE DETECTOR
12	SMOKE DAMPER IN SUPPLY DUCTWORK TO CLOSE UPON ACTIVATION OF THE CORRIDOR SMOKE DETECTION SYSTEM
13	FIRE/SMOKE DAMPER IN SHAFT PENETRATION TO CLOSE UPON ACTIVATION OF THE CORRIDOR SMOKE DETECTION SYSTEM
14	IN HEARING-IMPAIRED AND ACCESSIBLE ROOMS, CONTRACTOR TO PROVIDE LOW FREQUENCY HORN/STROBE (SQUARE WAVE WITH FUNDAMENTAL FREQUENCY OF 520 HZ) IN EACH SLEEPING UNIT AS PER NFPA 72 SECTION 18.4.5. STROBE INTENSITY SHALL COMPLY WITH NFPA 72 REQUIREMENTS BASED ON DISTANCE FROM CEILING.
15	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE INSTALLED AT SAME HEIGHT AS FIRE ALARM STROBE.
16	HEARING-IMPAIRED DOORBELL SYSTEM LOW-VOLTAGE PUSH-BUTTON INSTALLED AT 48" ABOVE FINISH FLOOR.
17	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER INSTALLED IN RECESSED BOX AS HIGH AS POSSIBLE WITH COVERPLATE. WIRE ON ROOM GENERAL RECEPTACLE CIRCUIT AND PROVIDE LINE-VOLTAGE TOGGLE ON/OFF SWITCH GANGED WITH ROOM LIGHT SWITCH.
18	HEAT DETECTOR AND SMOKE DETECTOR LOCATED AT THE TOP OF THE ELEVATOR SHAFT. COORDINATE LOCATION WITH ELEVATOR INSTALLER. HEAT DETECTOR(S) SHALL BE LOCATED WITHIN 2'-0" OF SPRINKLER HEAD(S).



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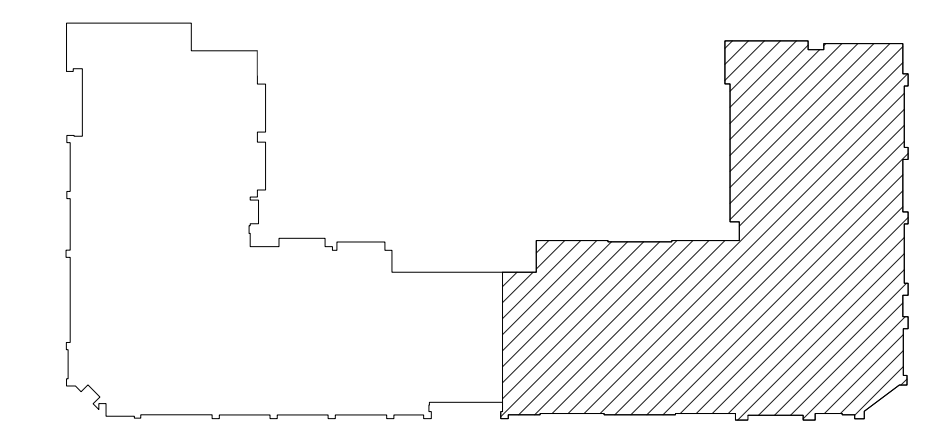
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6TH FLOOR FA PLAN-A PLAN  
**FA-212A**



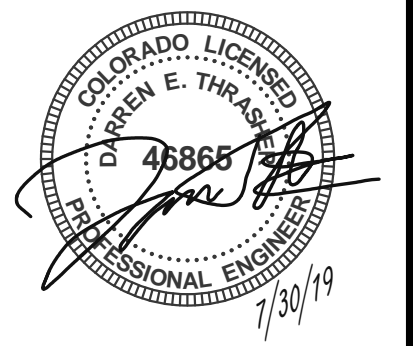
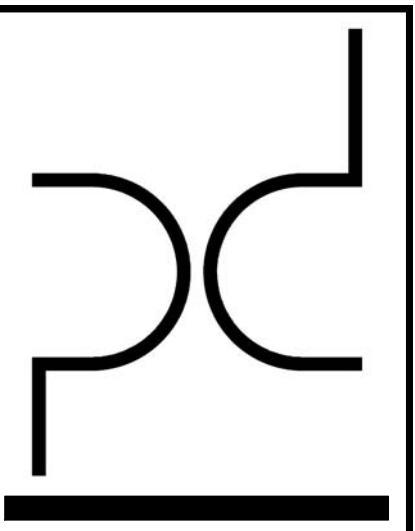
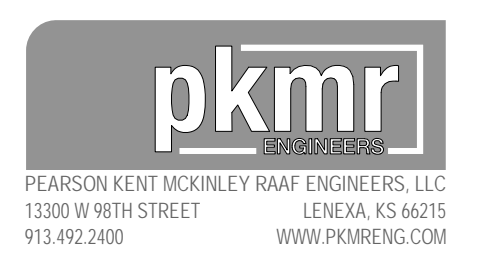
1 6TH FLOOR FA PLAN-B PLAN(NEW)  
1/8" = 1'-0"



HI-6TH FLOOR PART B KEY PLAN  
1" = 80'-0"

LEGENDS	
CS	COMBINATION OF SMOKE/CO DETECTOR, SURFACE MOUNTED
SD	SMOKE DETECTOR, SURFACE MOUNTED
520 L	LOW FREQUENCY HORN STROBE, WALL MOUNTED
SD	SMOKE DETECTOR WITHOUT SOUNDER BASE, WALL MOUNTED
F	COMBINATION AUDIAL/VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
P	MANUAL FIRE ALARM PULL STATION, MOUNTED @ 48" AFF
177cd M	VISUAL FIRE ALARM SYSTEM INDICATING DEVICE
H	HEAT DETECTOR, SURFACE MOUNTED
FACP	FIRE ALARM CONTROL PANEL
RF	RADIO RESPONDER, SURFACE MOUNTED
CO	CO DETECTOR, SURFACE MOUNTED
FAAP	FIRE ALARM ANNUNCIATOR PANEL
CO SD	WALL-MOUNTED, COMBINATION SMOKE/CO DETECTOR
DD	DUCT SMOKE DETECTOR
FSD	FIRE/SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
DSD	DUCT-MOUNTED SMOKE DAMPER - POWER TO BE INTERLOCKED WITH FIRE ALARM SYSTEM. REFER TO PLAN NOTES FOR CONTROL SEQUENCE.
T	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER - EDWARDS SERIES 590 RECESSED IN 4x4 BOX WITH 593 MOUNTING PLATE AND COVER.
D	HEARING-IMPAIRED DOORBELL SYSTEM PUSH BUTTON - EDWARDS MODEL 620 PUSH BUTTON WITH 147-10 COVERPLATE.
DB	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE - EDWARDS MODEL G6535-G5
TWC	EMERGENCY TWO-WAY COMMUNICATION SYSTEM CALL-IN STATION

FA-213B KEY NOTES	
#	Text
1	FIRE ALARM HORN / STROBE MOUNTED AT 80" AFF AND 6" MIN. BELOW THE CEILING.
2	PROVIDE MANUAL PULL STATION.
3	SMOKE DETECTOR WITHOUT SOUNDER BASE
4	FIRE VENDOR SHALL PROVIDE RADIO RESPONDER OF APPROVED RADIO COVERAGE FOR EMERGENCY RESPONDERS WITHIN THE BUILDING BASED UPON THE EXISTING COVERAGE LEVELS OF THE PUBLIC SAFETY COMMUNICATION SYSTEMS OF THE JURISDICTION AT THE EXTERIOR OF THE BUILDING
5	CONTRACTOR TO PROVIDE LOW FREQUENCY HORN (SQUARE WAVE WITH FUNDAMENTAL FREQUENCY OF 520 HZ) IN EACH SLEEPING UNIT AS PER NFPA 72 SECTION 18.4.5.
6	COMBINATION OF SMOKE AND CO DETECTOR.
7	PROVIDE LOW FREQ AUDIBLE/VISUAL STROBE AT 80" AFF AND 12" MIN BELOW THE CEILING. WHERE MULTIPLE DEVICE OCCUR IN GUEST ROOM, BATH ROOM AND/OR WITH IN SUITE. THE DEVICE SHALL BE PROGRAMMED TO ACTIVATE SIMULTANEOUSLY UPON ANY SMOKE DETECTOR ACTIVATE WITH IN THE GUEST ROOM
8	IN HEARING IMPAIRED AND ACCESSIBLE ROOMS, CONTRACTOR TO PROVIDE LOW FREQUENCY HORN/STROBE (SQUARE WAVE WITH FUNDAMENTAL FREQUENCY OF 520 HZ) IN EACH SLEEPING UNIT AS PER NFPA 72 SECTION 18.4.5. STROBE INTENSITY SHALL COMPLY WITH NFPA 72 REQUIREMENTS BASED ON DISTANCE FROM CEILING.
9	HEARING-IMPAIRED DOORBELL SYSTEM AUDIO/VISUAL DEVICE INSTALLED AT SAME HEIGHT AS FIRE ALARM STROBE
17	HEARING-IMPAIRED DOORBELL SYSTEM LOW-VOLTAGE PUSH-BUTTON INSTALLED AT 48" ABOVE FINISH FLOOR
18	HEARING-IMPAIRED DOORBELL SYSTEM TRANSFORMER INSTALLED IN RECESSED BOX AS HIGH AS POSSIBLE WITH COVERPLATE. WIRE ON ROOM GENERAL RECEPTACLE CIRCUIT AND PROVIDE LINE-VOLTAGE TOGGLE ON/OFF SWITCH GANGED WITH THE ROOM LIGHT SWITCH.
19	FIRE/SMOKE DAMPER AT SHAFT WALL PENETRATION TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.
20	SMOKE DAMPER IN SUPPLY DUCTWORK TO CLOSE UPON ACTIVATION OF CORRIDOR SMOKE DETECTION SYSTEM.
21	HEAT DETECTOR AND SMOKE DETECTOR LOCATED AT THE TOP OF THE ELEVATOR SHAFT. COORDINATE LOCATION WITH ELEVATOR SUPPLIER. HEAT DETECTOR(S) TO BE WITHIN 2'-0" OF SPRINKLER HEAD(S)



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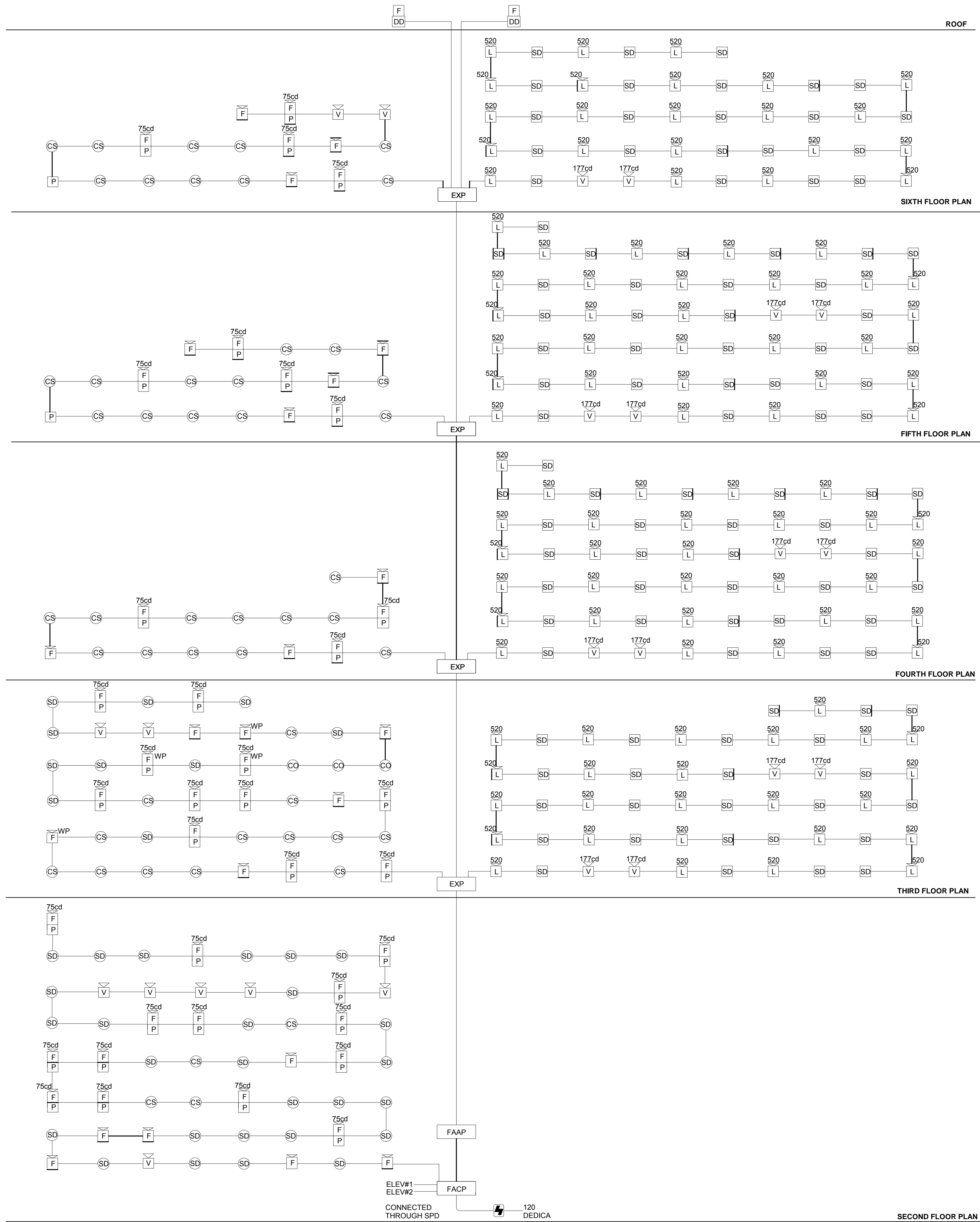
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6TH FLOOR FA PLAN-B PLAN  
**FA-213B**



SEQUENCE OF OPERATION  
 \* SOME SYSTEM AND INPUTS MAY NOT BE APPLICABLE TO THIS PROJECT.  
 \*\* IT IS NOT THE INTENT TO REPROGRAM THE PANEL, SEQUENCE SHOWN FOR REFERENCE ONLY

**GENERAL NOTES :**

REFERENCE NUMBERS ARE SHOWN IN PARENTHESIS (1) FOR "NOTES/ NOTATIONS" INDICATED BELOW AND IN HEADINGS TO THE RIGHT.

FIRE ALARM SYSTEM DEVICES ARE POINT ADDRESSABLE.

ON CAMPUS STYLE PROPERTIES, PROVIDE POINT ADDRESSABLE INTELLIGENT NETWORKING REPORTING TO CONTINUOUSLY ATTENDED PROPERTY LOCATION.

SPRINKLER SYSTEM WATER FLOW AND TAMPER SWITCH ALARMS ARE ANNUNCIATED ON THE FACP.

SYSTEM INPUTS	A	B	C	D	E	F	G	H	I	J	K	L	M	N
FACP: DISPLAY AN AUDIBLE / VISUAL ALARM.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
REMOTE ANNUNCIATOR: DISPLAY AN AUDIBLE / VISUAL ALARM.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AUDIBLE / VISUAL ALARMS: ACTIVATE AUDIBLE / VISUAL STROBE APPLIANCES ON AFFECTED FLOOR.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ASSEMBLY DOORS AND FIRE DOORS: RELEASE MAGNETIC DOOR HOLDERS ON AFFECTED FLOOR.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
STAIRWELL PRESSURIZATION: AUTOMATICALLY ACTIVATE PRESSURIZATION.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SMOKE EXHAUST: AUTOMATICALLY ACTIVATE EXHAUST SYSTEM IN AFFECTED ZONES.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GUESTROOM AUDIBLE ALARMS: ACTIVATE ALARMS IN ROOMS ON AFFECTED FLOOR.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GUESTROOMS AUDIBLE / VISUAL SIGNALS: ACTIVATE BOTH SIGNALS IN HEARING IMPAIRED GUESTROOMS ON AFFECTED FLOOR.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
LOCAL AUDIBLE ALARMS: ACTIVATE AUDIBLE ALARMS ONLY IN ROOMS CONTAINING ALARM.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
GUESTROOM LOCAL AUDIBLE / VISUAL SIGNALS: ACTIVATE BOTH SIGNALS ONLY IN HEARING IMPAIRED GUESTROOM CONTAINING ALARM.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AIR HANDLERS: AUTOMATICALLY SHUT OFF ASSOCIATED AIR HANDLERS.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
COOKING AREA GAS / ELECTRIC: AUTOMATICALLY SHUT OFF ASSOCIATED COOKING LINE GAS & ELECTRIC AND MAKEUP AIR HANDLER.	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ELEVATOR PHASE 1 DESIGNATED LEVEL AND ALTERNATE LEVEL RECALL, PHASE 2 FIREFIGHTERS IN CAR OPERATION.	●	●	●	●	●	●	●	●	●	●	●	●	●	●

- NOTES/NOTATIONS :**
- (1) SYSTEM SMOKE SENSORS NOT LOCATED IN GUESTROOMS.
  - (2) PROVIDE ELEVATOR PHASE 1 DESIGNATED LEVEL AND ALTERNATE LEVEL RECALL, SHUNT TRIP FUNCTION AND PHASE 2 FIREFIGHTERS' IN-CAR OPERATION IN COMPLIANCE WITH ASME A17.1, ELEVATOR CODE.
  - (3) GUESTROOM SMOKE SENSORS: PROVIDE PHOTOELECTRIC TYPE, WITH SOUNDER BASE ( MINIMUM RATINGS OF 85 dBA "AT THE PILLOW" . IN SUITES, MULTIPLE SENSORS SHALL ACTIVATE SIMULTANEOUSLY.
  - (4) EXCEPT ON GUESTROOM FLOORS WATER FLOW ALARMS SHALL NOT ACTIVATE SMOKE CONTROL EXHAUST FANS WHERE SMOKE CONTROL ZONES DO NOT CORRESPOND.
  - (5) FIRE ALARMS SHALL ACTIVATE ONLY ON FLOOR OF ALARM. GOVERNING AUTHORITY MAY REQUIRE ADDITIONAL ZONING.
  - (6) CARBON MONOXIDE DETECTORS IN GUESTROOMS, PUBLIC AND BOH AREAS SHALL ACTIVATE AN ALARM IN THE GUESTROOM AND ROOMS OF INCIDENT AND AT THE FIRE ALARM CONTROL PANEL.
  - (7) HEAT DETECTORS ARE NOT RECOMMENDED SINCE FIRE SPRINKLERS SERVE THE SAME FUNCTION.
  - (8) PROVIDE "FIRE PUMP RUN" AND "FIRE PUMP FAULT" SUPERVISORY SIGNALS FTOM CONTROLLER TO THE FACP, AS A MINIMUM.
  - (9) PROVIDE "GENERATOR RUN"AND "GENERATOR FAULT" SUPERVISORY SIGNALS TO THE FACP.

**FIRE ALARM SYMBOLS**

FACP	—	FIRE CONTROL PANEL
FAAP	—	REMOTE ANNUNCIATOR
EXP	—	CIRCUIT EXPANDER PANEL
DD	—	DUCT DETECTOR
SM	—	SOUNDER CONTROL MODULE
S	—	MULTI cd STORBE ONLY
F	—	HORN/STROBE MULTI cd
F/ WP	—	WEATHERPROOF HORN/STROBE MULTI cd
H	—	HEAT DETECTOR
S <sub>M</sub>	—	PHOTO SMOKE/HEAT DETECTOR W/6" STANDARD BASE
S	—	PHOTO ELECTRIC SMOKE DETECTOR /CO DETECTOR COMBINATION W/6" STANDARD BASE
CS	—	SOUNDER BASE SMOKE/CO DETECTOR

- NOTES:-**
- (1) FIRE ALARM SCHEMATIC RISER DIAGRAM IS TYPICAL AND FOR RERENCE ONLY. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS OF THE PROPOSED FIRE ALARM SYSTEM, INCLUDING ALL DEVICES AND WIRING LAYOUTS TO THE FIRE MARSHALL FOR APPROVAL PRIOR TO PURCHASING OR INSTALLING ANY ROUGH-IN BEFORE SUBMITTING TO THE ENGINEER FOR REVIEW. THE ENGINEER WILL PROVIDE CAD DRAWING OF FLOOR PLANS FOR SHOP DRAWING PREPARATION ON REQUEST. ANY REVISIONS OR ALTERATIONS TO THE SYSTEM REQUIRED BY THE LOCAL JURISDICTION PRIOR TO OBTAINING CERTIFICATE OF OCCUPANCY OBTAINING CERTIFICATE OF OCCUPANCY WILL NOT BE REASON FOR ADDITIONAL COMPENSATION TO THE CONTRACTOR.
  - (2) DETECTION DEVICES ARE EQUIPPED THROUGHOUT GUEST ROOM CORRIDORS, AT SPACING NOT TO EXCEED 40 FEET ON CENTER, PUBLIC AREAS, SERVICE AREAS, (WHERE APPLICABLE) AND MECHANICAL AREAS. DETECTORS ARE REQUIRED FOR ALL STORAGE ROOMS MORE THAN 150 SQUARE FEET. MANUAL PULL STATIONS ARE REQUIRED ADJACENT TO ALL EXIT DOORS THAT LEAD DIRECTLY TO AN EXTERIOR AND AT ALL STAIRWELL ENTRANCE DOORS.
  - (3) CONTRACTOR SHALL PROVIDE A COMPLETE, OPERATIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH ALL CODE, FRANCHISE, AND MANUFACTURING REQUIREMENTS, INCLUDING DEVICES REQUIRED BY LOCAL CODE BUT NOT INDICATED HEREIN. SYSTEM SHALL INCLUDE ALL CONNECTIONS TO FLOW AND TAMPER SWITCHES AS WELL AS P.I.V., AND DUCT SMOKE DETECTORS FOR MECHANICAL UNITS.
  - (4) FIRE ALARM CONTRACTOR TO ENSURE THAT THE HEAT DETECTORS NEED TO BE PLACED WITHIN 24 INCHES OF ANY SPRINKLER HEADS IN THE ELEVATOR ROOM IF THEY ARE BEING USED TO TRIGGER ELEVATOR SHUTDOWN PER SECTION 21.4.2 OF NFPA 72.
  - (5) SMOKE DETECTOR IN ALL GUEST ROOMS SHALL BE EQUIPPED WITH ANNUNCIATOR AND/OR STROBE DEVICE AS REQUIRED. GUEST ROOM ALARM SHALL PROVIDE INDIVIDUAL ALARM WITHIN GUEST ROOM ONLY. A SEPARATE SYSTEM NOTIFICATION DEVICE SHALL BE ACTIVATED UPON GENERAL FIRE ALARM. DEVICES WITHIN STANDARD GUEST ROOMS SHALL BE SYSTEM DETECTORS WITH SOUNDER BASE. IN ACCESSIBLE AND HEARING IMPAIRED ROOMS, AN ADA HORN/STROBE SHALL BE PROVIDED, WITH AN ADDITIONAL STROBE IN THE BATH, UNDER ONE PLATE IN A TWO GANG BOX AND MOUNTED 42" TO CENTER A.F.F.
  - (6) FIRE ALARM VENDOR SHALL PROVIDE FIRE ALARM RISER DIAGRAM IN SHOP DRAWINGS FOR REVIEW BY BASE4
  - (7) CONTRACTOR SHALL PROVIDE LOW FREQUENCY SOUNDER STROBE IN EACH GUEST ROOM AS PER STAR WOOD FIRE PROTECTION AND LIFE SAFETY BRAND STANDARD.

**TYPICAL FIRE ALARM RISER DIAGRAM FOR AC MARRIOTT**  
 12" = 1'-0"



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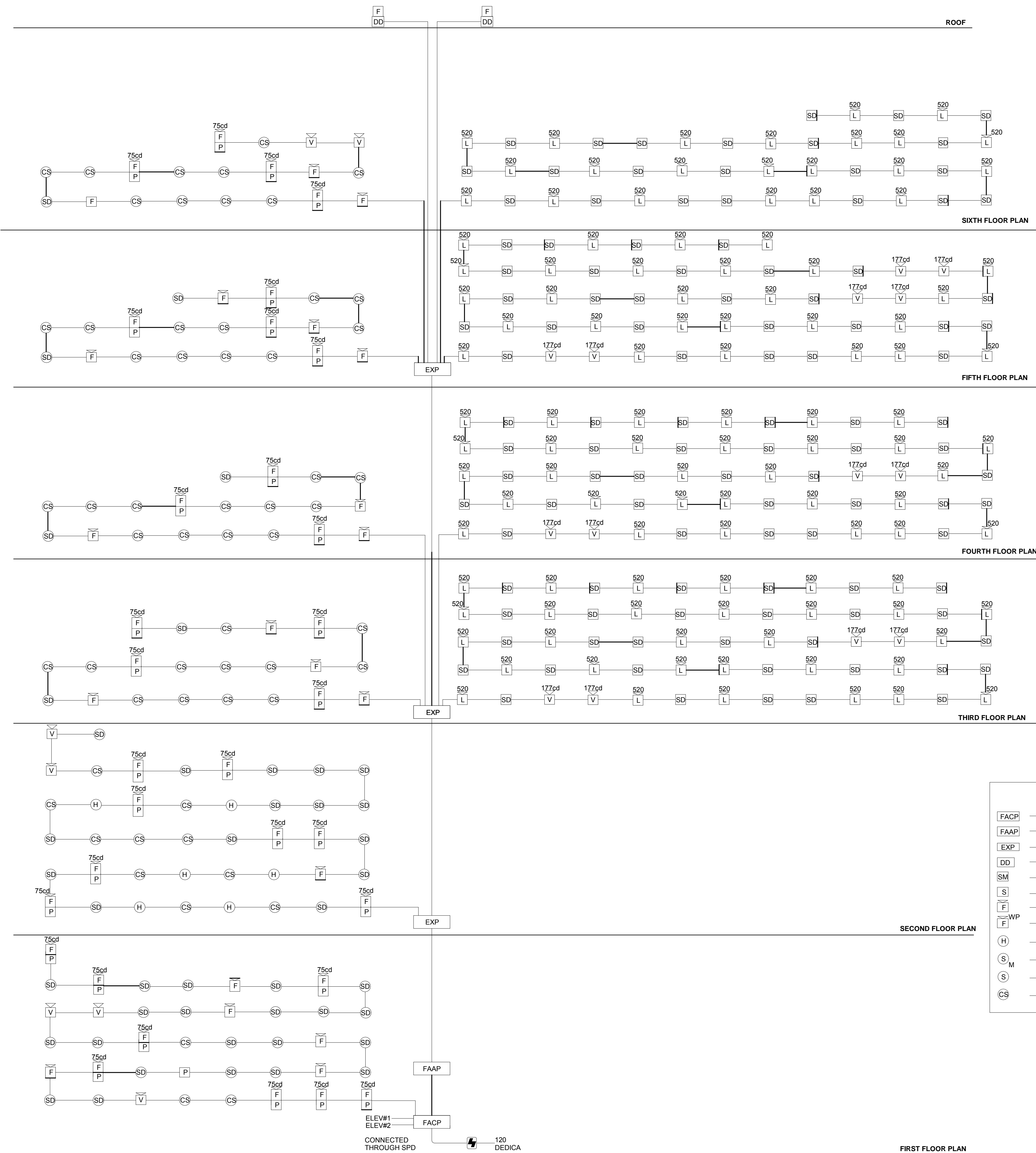
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TYPICAL FIRE ALARM RISER DIAGRAM  
**FA-214**

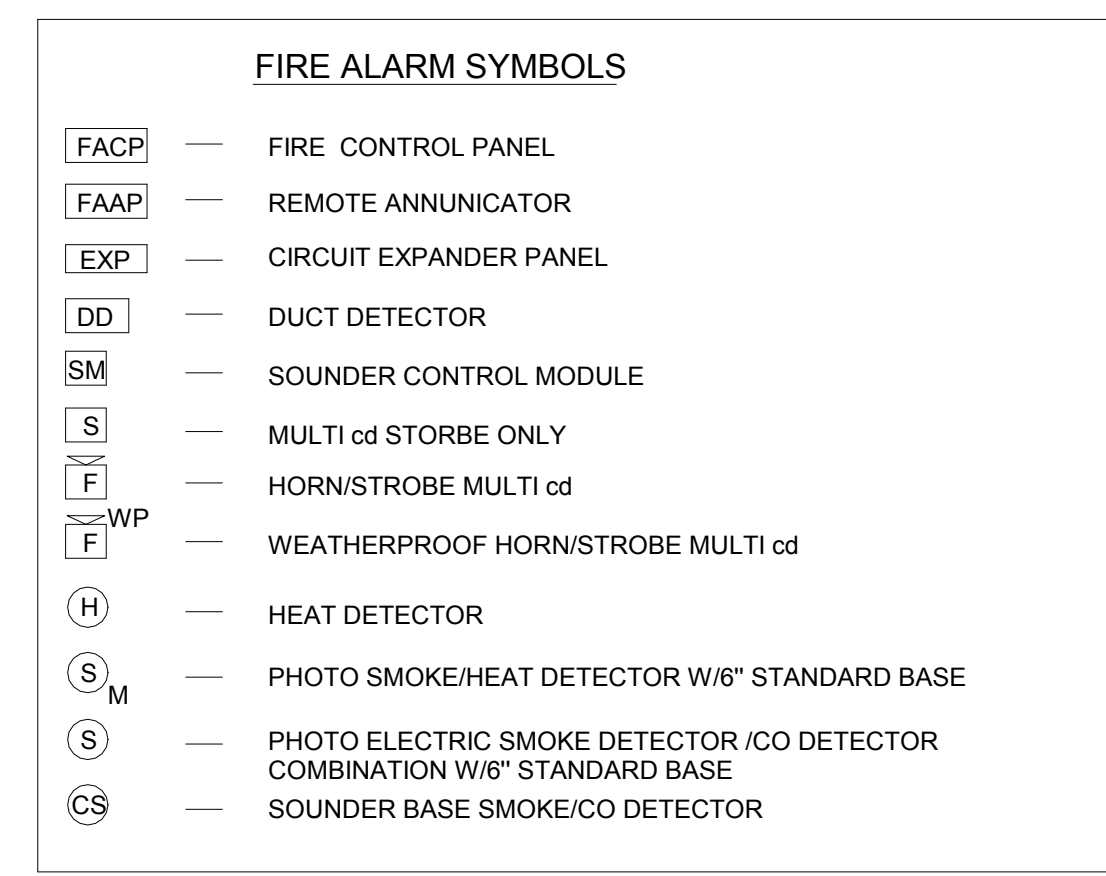




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 \* SOME SYSTEM AND INPUTS MAY NOT BE APPLICABLE TO THIS PROJECT.  
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SYSTEM INPUTS	A	B	C	D	E	F	G	H	I	J	K	L
1 SINGLE STATION GUEST ROOM SMOKE ALARM	●											
2 ACCESSIBLE GUEST ROOM SMOKE DETECTOR	●	●										
3 GUESTROOM SYSTEM SMOKE DETECTOR	●											
4 AREA SYSTEM SMOKE DETECTOR			●	●	●				●	●		●
5 ELEVATOR LOBBY SMOKE DETECTOR			●	●	●				●	●		●
6 DUCT TYPE SMOKE DETECTOR								●				
7 HEAT DETECTOR			●	●	●				●	●		●
8 WATER FLOW SWITCH			●	●	●				●	●		●
9 MANUAL FIRE ALARM STATION			●	●	●				●	●		●
10 SPECIAL SUPPRESSION SYSTEMS			●	●	●				●	●		●
11 VALVE SUPERVISORY SWITCH					●			●				
12 FIRE PUMP SIGNALS					●			●				
13 SYSTEM TROUBLE					●			●				
14 EMERGENCY GENERATOR SIGNALS					●			●				
15 CO DETECTION					●			●				
16 CO DETECTION (GUESTROOM)	●	●										

**NOTES:-**  
 (1) IF LOCAL CODE REQUIRE OR A COMBINATION OF ANY TWO DETECTORS ACTIVATE.  
 (2) HEAT DETECTORS ARE NOT REQUIRED UNLESS BY LOCAL CODES. OUTPUTS SHALL BE IN ACCORDANCE WITH LOCAL CODES.  
 (3) THIS IS FOR SPECIAL SUPPRESSION SYSTEM AS REQUIRED BY OWNER OR POSSIBLY BY LOCAL CODE.  
 (4) IF CENTRAL STATION SERVICE IS AVAILABLE AND IF REQUIRED BY LOCAL CODE.  
 (5) EXCLUDES LIMITED STOP/PARKING GARAGES.



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  - FIRE ALARM VENDOR SHALL PROVIDE FIRE ALARM RISER DIAGRAM IN SHOP DRAWINGS FOR REVIEW BY BASE4
  - CONTRACTOR SHALL PROVIDE LOW FREQUENCY SOUNDER ST GUEST ROOM AS PER STAR WOOD FIRE PROTECTION AND LIFE STANDARD.

**1 TYPICAL FIRE ALARM RISER DIAGRAM HI&S**  
 12" = 1'-0"



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