

DATE:REV:0												LABOR RATE		
SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT COST	UNIT	MATERIAL COST	LABOR RATE	LABOR	UNIT	TOTAL LABOR	LABOR COST	TOTAL COST
DEMOLITION & REPLACEMENT														
DEMOLITION														
1	Existing Smoke Detector To Be Removed & Wire Back To The Source & Provide Blank Cover plate Secured With Screws At Each Location Where Device is Removed	80	0%	80	EA			\$ -				0.00	\$ -	\$ -
2	Existing Surge Suppression Device To Be Removed	5	0%	5	EA			\$ -				0.00	\$ -	\$ -
3	Remove Existing Remote Auxiliary Booster Power Supply, Back Up Batteries & Associated Components	5	0%	5	EA			\$ -				0.00	\$ -	\$ -
4	Remove Existing SLC & NAC Circuit Terminals, Twist-On Connectors Attaching Fire Alarm Wiring, Power Supplies, Surge Protection Device & Associated Components. Existing Cabinet To Remain & Be Reused	4	0%	4	EA			\$ -				0.00	\$ -	\$ -
REPLACEMENT														
1	Existing Addressable Input Module To Be Replaced	8	0%	8	EA			\$ -				0.00	\$ -	\$ -
2	Existing Addressable Input Module To be Replaced	17	0%	17	EA			\$ -				0.00	\$ -	\$ -
3	Existing Addressable Output Module To Be Replaced	8	0%	8	EA			\$ -				0.00	\$ -	\$ -
4	Existing Addressable Output Module To be Replaced	1	0%	1	EA			\$ -				0.00	\$ -	\$ -
5	Existing Control Relay Output Module To Be Replaced	50	0%	50	EA			\$ -				0.00	\$ -	\$ -
6	Existing Duct Smoke Detector To Be Replaced	50	0%	50	EA			\$ -				0.00	\$ -	\$ -
7	Existing Monitoring Module To Be Replaced	50	0%	50	EA			\$ -				0.00	\$ -	\$ -
NEW WORK														
FIRE ALARM (SEE NOTE 2)														
CONDUITS														
1	3/4" EMT Conduit	8427	10%	9270	FT			\$ -				0.00	\$ -	\$ -
2	3/4" PVC SCH 40 Conduit	133.57	10%	147	FT			\$ -				0.00	\$ -	\$ -
CONDUCTORS														
1	2#16 Twisted Pair Shielded Cable, WEST PENN D991	6075	10%	6682	FT			\$ -				0.00	\$ -	\$ -
2	2#14 Twisted Pair Shielded Cable, WEST PENN 994S	2407	10%	2648	FT			\$ -				0.00	\$ -	\$ -
3	CAT6 Cable	158	10%	174	FT			\$ -				0.00	\$ -	\$ -
4	2-Strand OM3 MM Fiber Optic Cable (Factory Manufactured)	230	10%	253	FT			\$ -				0.00	\$ -	\$ -
DEVICES														
1	Addressable Heat Detector & Detector Base	1	0%	1	EA			\$ -				0.00	\$ -	\$ -
	4" Octagonal Box	1	0%	1	EA			\$ -				0.00	\$ -	\$ -
2	Addressable Input Module	8	0%	8	EA			\$ -				0.00	\$ -	\$ -
3	Addressable Output Module	8	0%	8	EA			\$ -				0.00	\$ -	\$ -
4	Addressable Spot Smoke Detector & Detector Base	43	0%	43	EA			\$ -				0.00	\$ -	\$ -
	4" Octagonal Box	43	0%	43	EA			\$ -				0.00	\$ -	\$ -
5	Addressable Spot Smoke Detector & Detector Base	25	0%	25	EA			\$ -				0.00	\$ -	\$ -
	4" Octagonal Box	25	0%	25	EA			\$ -				0.00	\$ -	\$ -
6	Addressable Spot Smoke Detector & Detector Base	3	0%	3	EA			\$ -				0.00	\$ -	\$ -
	4" Octagonal Box	3	0%	3	EA			\$ -				0.00	\$ -	\$ -
	Wire Guard	3	0%	3	EA			\$ -				0.00	\$ -	\$ -
7	Addressable Spot Smoke Detector & Detector Base With Existing Protective Guard	162	0%	162	EA			\$ -				0.00	\$ -	\$ -
8	Carbon Monoxide Gas Detector & Detector Base	20	0%	20	EA			\$ -				0.00	\$ -	\$ -
9	Combination Heat & Carbon Monoxide as Detector & Detector Base	2	0%	2	EA			\$ -				0.00	\$ -	\$ -
10	Combination Smoke Detector & Carbon Monoxide as Detector & Detector Base	1	0%	1	EA			\$ -				0.00	\$ -	\$ -
11	Combination Smoke Detector & Carbon Monoxide as Detector & Detector Base With Existing Wire Guard	3	0%	3	EA			\$ -				0.00	\$ -	\$ -
12	Fire Alarm Sprinkler Flow Switch	4	0%	4	EA			\$ -				0.00	\$ -	\$ -
13	Fire Alarm Sprinkler Tamper Switch	5	0%	5	EA			\$ -				0.00	\$ -	\$ -
14	Fire Sprinkler Post Indicator Valve Switch	3	0%	3	EA			\$ -				0.00	\$ -	\$ -
15	Key Operated Manual Pull Station	3	0%	3	EA			\$ -				0.00	\$ -	\$ -
16	Manual Pull Station	4	0%	4	EA			\$ -				0.00	\$ -	\$ -
17	Combination Audible & Visual Notification Appliance, Ceiling Mounted, 30CD With Existing Wire Guard	2	0%	2	EA			\$ -				0.00	\$ -	\$ -
18	Combination Audible & Visual Notification Appliance, Ceiling Mounted, 75CD With Existing Wire Guard	6	0%	6	EA			\$ -				0.00	\$ -	\$ -
19	Combination Audible & Visual Notification Appliance, Ceiling Mounted, 110CD With Existing Wire Guard	2	0%	2	EA			\$ -				0.00	\$ -	\$ -
20	Combination Audible & Visual Notification Appliance, Wall Mounted, 15CD	3	0%	3	EA			\$ -				0.00	\$ -	\$ -
21	Combination Audible & Visual Notification Appliance, Wall Mounted, 15CD With Existing Wire Guard	3	0%	3	EA			\$ -				0.00	\$ -	\$ -
22	Combination Audible & Visual Notification Appliance, Wall Mounted, 30CD	1	0%	1	EA			\$ -				0.00	\$ -	\$ -
23	Combination Audible & Visual Notification Appliance, Wall Mounted, 75CD With Existing Wire Guard	1	0%	1	EA			\$ -				0.00	\$ -	\$ -
24	Combination Audible & Visual Notification Appliance, Wall Mounted, 110CD	16	0%	16	EA			\$ -				0.00	\$ -	\$ -
25	Combination Audible & Visual Notification Appliance, Wall Mounted, 110CD With Existing Wire Guard	4	0%	4	EA			\$ -				0.00	\$ -	\$ -
26	Visual Only Notification Appliance, Ceiling Mounted, 15CD	9	0%	9	EA			\$ -				0.00	\$ -	\$ -
27	Visual Only Notification Appliance, Wall Mounted, 15CD With Existing Wire Guard	2	0%	2	EA			\$ -				0.00	\$ -	\$ -
28	Visual Only Notification Appliance, Wall Mounted, 75CD	1	0%	1	EA			\$ -				0.00	\$ -	\$ -
29	Visual Only Notification Appliance,Wall Mounted, 15CD	2	0%	2	EA			\$ -				0.00	\$ -	\$ -
30	Fire Alarm Annunciator Panel	1	0%	1	EA			\$ -				0.00	\$ -	\$ -
31	Fire Alarm Control Panel	5	0%	5	EA			\$ -				0.00	\$ -	\$ -
	1P/20A Lock On Breaker For FACP	5	0%	5	EA			\$ -				0.00	\$ -	\$ -
32	Fire Alarm Termination Cabinet	2	0%	2	EA			\$ -				0.00	\$ -	\$ -
33	Fire management Graphics Workstation (FMS) With 24" LCD Monitor, Server (CPU), Keyboard & Optical Mouse	1	0%	1	EA			\$ -				0.00	\$ -	\$ -
	2-Port Data Outlet For FMS Workstation	1	0%	1	EA			\$ -				0.00	\$ -	\$ -
	CAT6 Patch Cord, 10FT	1	0%	1	EA			\$ -				0.00	\$ -	\$ -
34	Printer (Furnish & Install)	1	0%	1	EA			\$ -				0.00	\$ -	\$ -
35	Remote Auxiliary Power Expander Unit, Backup Batteries & Associated Components	5	0%	5	EA			\$ -				0.00	\$ -	\$ -
36	Surge Suppression Device, NEMA 1	11	0%	11	EA			\$ -				0.00	\$ -	\$ -



TORRANCE COUNTY DETENTION FACILITY
Estancia, New Mexico

FIRE ALARM SYSTEM
REPLACEMENT

DATE: AUGUST 23, 2024

100% CONSTRUCTION DOCUMENTS



615 OAKLEAF OFFICE LANE
MEMPHIS, TENNESSEE 38117
tel. 901/309-0115
www.rnsystemsdesign.com



COVER SHEET
FIRE ALARM SYSTEM REPLACEMENT
TORRANCE COUNTY DETENTION FACILITY, ESTANCIA, NM

FA0.00
AUGUST 23, 2024

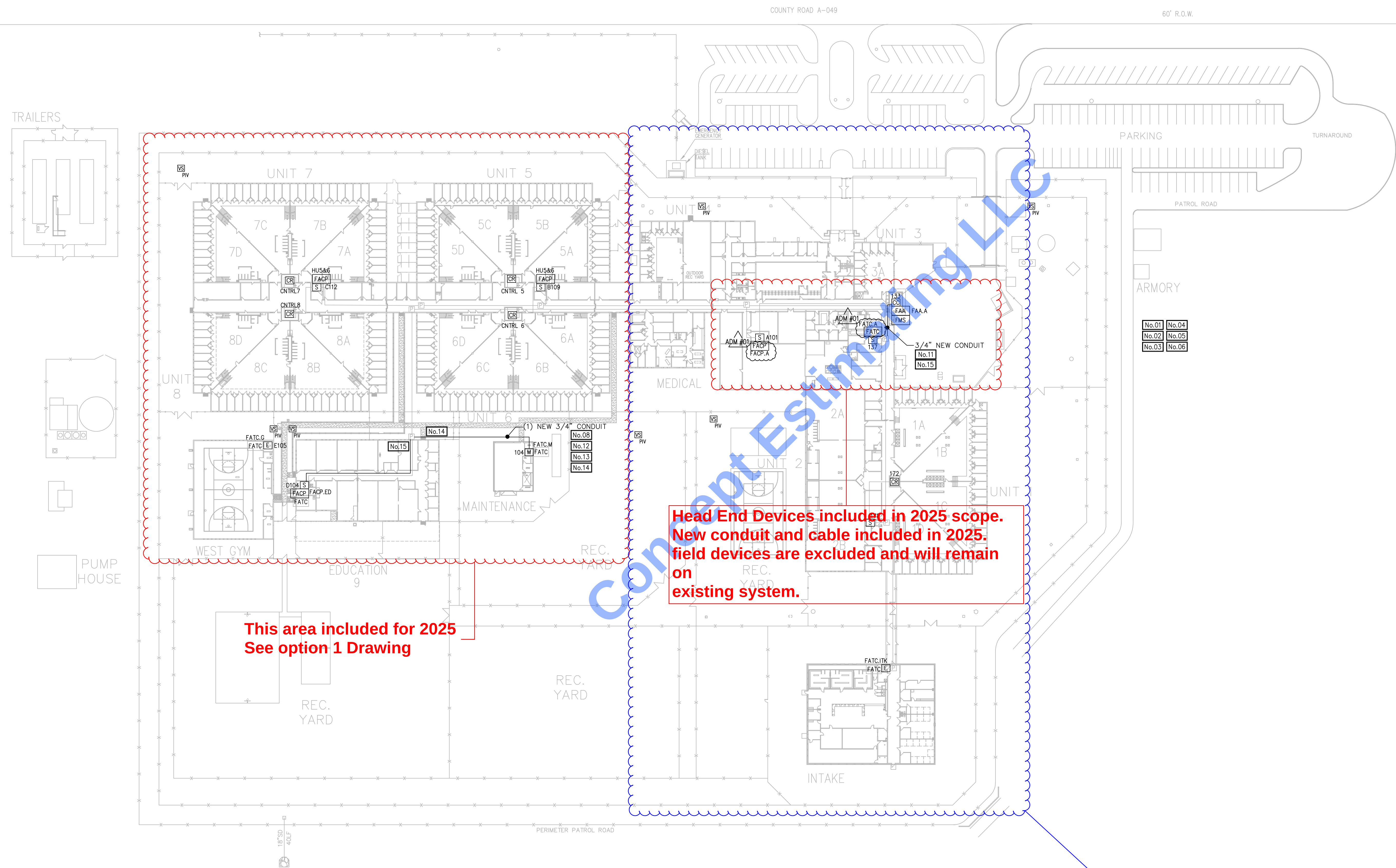
 **SYSTEMS
DESIGN**
615 OAKLEAF OFFICE LANE
MEMPHIS, TENNESSEE 38117
tel. 901/309-0115
www.rnsystemsdesign.com
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Torrance

Existing EST is one panel for the entire site.

Scope Option 1

- Add panels in 5-6, 7-8, Education. Total of 3.
- Replace the devices in areas 5,6,7,8, Maintenance, Education, Gym. Disconnect from the existing EST and connect to new local Hochiki panels.
- All devices in remaining areas will remain on existing EST panels.
- New FACP in A101 (Confirm if FMC requires a local FACP or Local FAA to connect the FMC to the network.)
- New 1" conduit from A101 to Central Control.
- New FAA and FMC in Central control. (Confirm if the new FMC can piggyback off of the FAA or will it need a FACP)
- Existing EST FAA will remain in Central Control.
- New programming for EST section that remains.



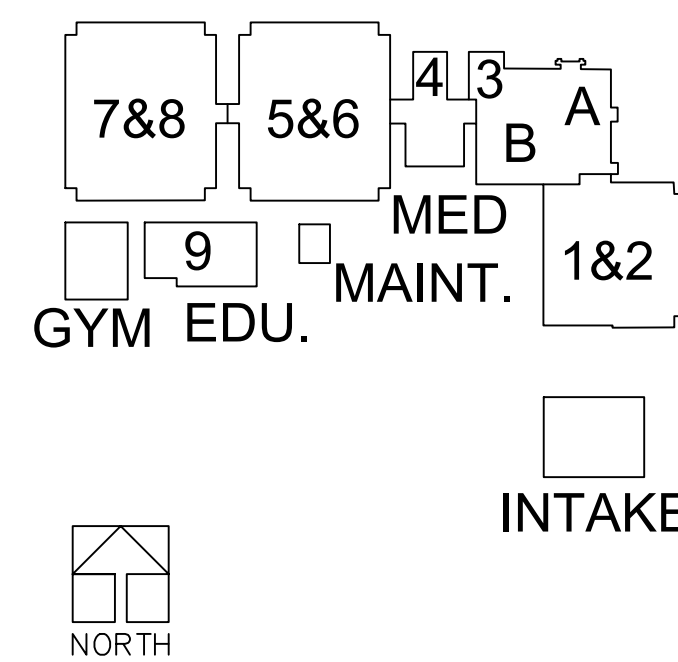
FIRE ALARM, OVERALL SITE PLAN

SCALE: 1" = 50'-0"

LEGEND NOTES

1. REFER TO GENERAL NOTES ON FA01 AND INCORPORATE AS APPLICABLE.
2. EXISTING DEVICES AND CONDITIONS INDICATED HERE WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE SURVEYS. ALL INFORMATION IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DEVICE LOCATIONS AND CONDITIONS.
3. EXISTING MULTI-MODE FIBER OPTIC CABLE NETWORK WILL BE USED TO ESTABLISH COMMUNICATIONS BETWEEN THE NEW FIRE ALARM PANELS.
4. THE FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
5. EXISTING CONDUIT, J-BOXES, FIBER OPTIC CABLE AND FIRE ALARM COPPER WIRING SHALL REMAIN AND BE REUSED FOR THE FIRE ALARM SYSTEM. (TYPICAL)
6. THE FAC SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTING FIBER LOOP USED FOR THE FIRE ALARM SYSTEM. DOCUMENT AND RECORD THE FIBER TYPE, JACKET COLOR, STRAND QUANTITY, AND DESIGNATED TERMINATIONS. LABEL ALL FIBER IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
7. EXISTING FIRE ALARM WIRING THAT LEAVES AND/OR ENTERS THE BUILDING SHALL HAVE A NEW SURGE PROTECTION DEVICE (SPD). PROVIDE GROUND WIRE AND CONNECT TO THE NEAREST EQUIPMENT GROUNDING BAR OR CONDUCTOR.
8. ROUTE ALL EXTERIOR CONDUIT UNDERGROUND, WHERE EXPOSED, EXTERIOR CONDUIT SHALL BE RIGID. EXPOSED CONDUIT IS ACCEPTABLE ONLY WHEN TRANSITIONING INTO EXTERIOR CABINETS AND EXISTING BUILDINGS. EXPOSED CONDUIT SHALL BE ATTACHED AND STRAPPED AS INDICATED IN SECTION 280500.0 AND IN ACCORDANCE WITH THE NEC.
9. TERMINATE AND TEST THE EXISTING FIBER OPTIC CABLE SCHEDULED FOR USE BY THE FIRE ALARM SYSTEM AT BOTH ENDS BEFORE PLACING IT INTO SERVICE.
10. FAC IS RESPONSIBLE FOR VERIFYING ALL SITE POST INDICATOR VALVE (PIV) LOCATIONS AND REPLACING THE ASSOCIATED ADDRESSABLE INPUT MODULES (AIM) USED TO MONITOR WATER FLOW AND TAMPER SWITCHES, CONTROL VALVES, FIRE PUMP CONDITIONS AND TROUBLES.
11. FURNISH AND INSTALL NEW CONDUIT AND (2) CAT6 CABLES BETWEEN THE MAIN FACP IN SEC ROOM 137 AND FMS WORKSTATION IN MASTER CONTROL ROOM 133.
12. FURNISH AND INSTALL NEW CONDUIT AND FIRE ALARM WIRING BETWEEN THE MAINTENANCE BUILDING TERMINATION CABINET (FATC) IN MECHANICAL ROOM 104 AND THE NEW FACP IN THE EDUCATION BUILDING SECURITY ELECTRONICS ROOM D104.
13. TERMINATE AND TEST ALL FIRE ALARM WIRING AND CIRCUITRY AT BOTH ENDS BEFORE PLACING IT INTO SERVICE.
14. PROVIDE A PROTECTIVE SHROUD AT LOCATIONS WHERE CONDUIT TURNS UP AND RUNS ALONG THE SIDE OF THE BUILDING.
15. ROUTE INTERIOR CONDUIT AT 12" AFF AND PROVIDE PULL BOXES WHERE REQUIRED. FIRE SEAL ALL INTERIOR PENETRATIONS IN ACCORDANCE WITH THE EXISTING WALL RATING.

KEY PLAN



FIRE ALARM, OVERALL SITE PLAN

FIRE ALARM SYSTEM REPLACEMENT

TORRANCE COUNTY DETENTION FACILITY, ESTANCIA, NM

FA1.00

AUGUST 23, 2024

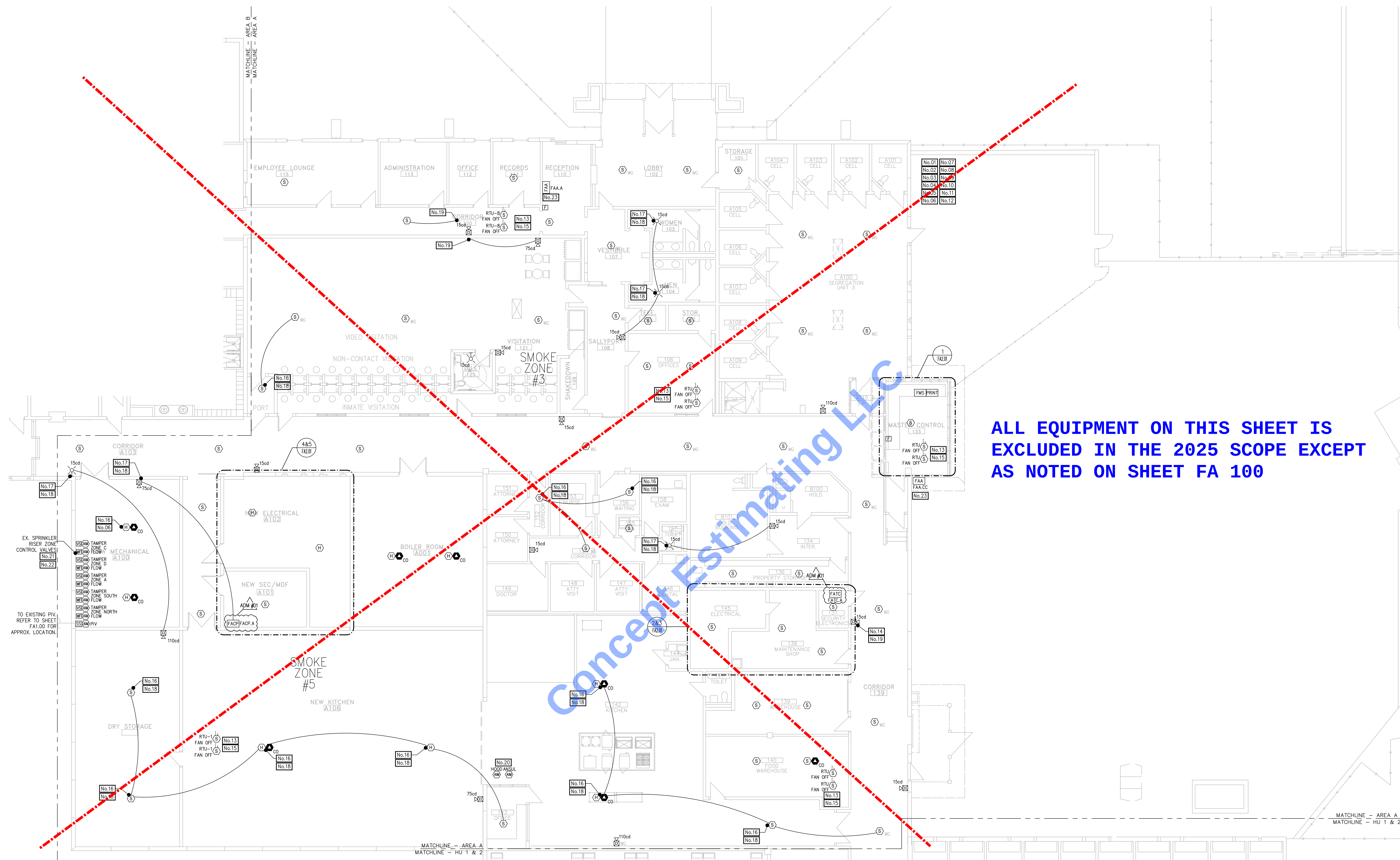
Attachment No. FA01
to ADM No. 1
dated 26 September 2024

1400 CALLE ALTA OFFICE LANE
MEMPHIS, TENNESSEE 38117
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www.rn-systems.com

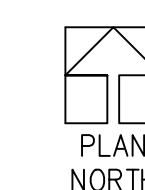
RN
SYSTEMS
DESIGN

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ALL EQUIPMENT ON THIS SHEET IS
EXCLUDED IN THE 2025 SCOPE EXCEPT
AS NOTED ON SHEET FA 100



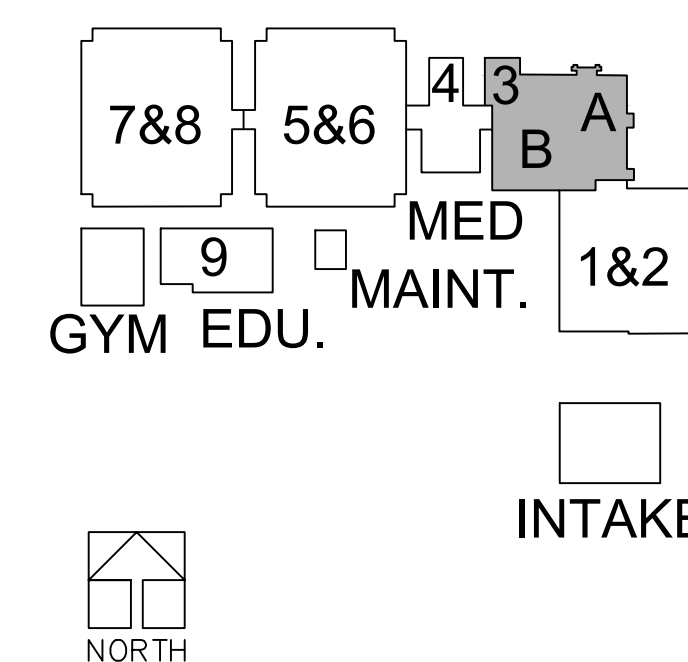
FIRE ALARM PLAN, FIRST LEVEL - AREA A

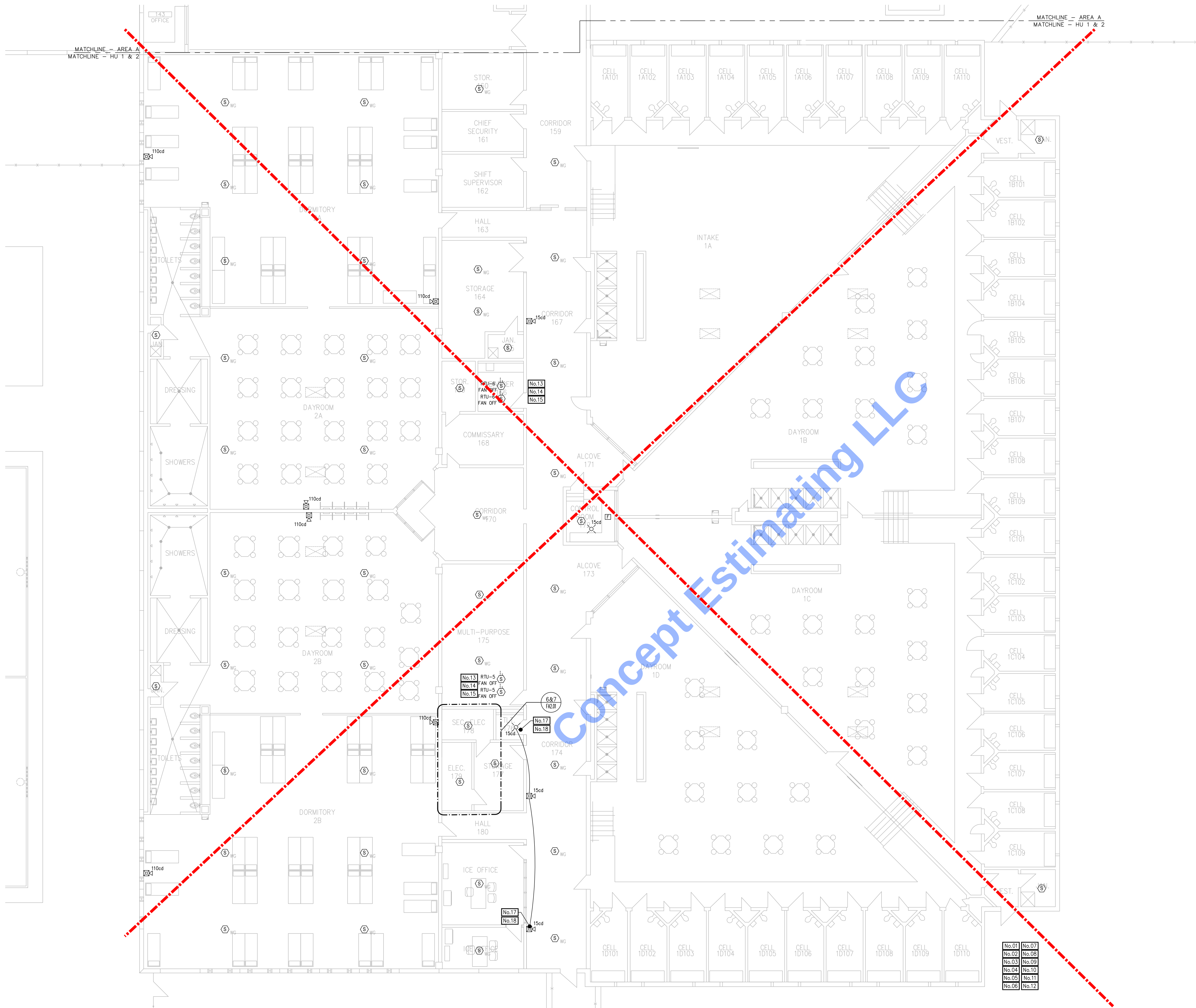
SCALE: 1/8" = 1'-0"

LEGEND NOTES

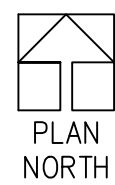
- REFER TO GENERAL NOTES ON SHEET FA01.01 AND INCORPORATE AS APPLICABLE.
- EXISTING DEVICES AND CONDITIONS INDICATED HERE WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE SURVEYS. ALL INFORMATION IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DEVICE LOCATIONS AND CONDITIONS.
- FAC SHALL FIREPROOF ALL PENETRATIONS CREATED FOR THIS PROJECT. PENETRATIONS THROUGH RATED FLOORS, CEILINGS, AND WALLS SHALL BE PROPERLY SEALED AND SLEEVED TO MAINTAIN THE EXISTING FIRE-RESISTANT RATING. WHERE RATING IS UNKNOWN FIREPROOFING SHALL MEET A 2HR RATING IN ALL CASES. SEALANT COLOR SHALL MATCH THE EXISTING SURFACES AS CLOSELY AS POSSIBLE.
- FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
- THE EXISTING FIRE ALARM SYSTEM EQUIPMENT REFERENCED ON THIS PLAN ARE SCHEDULED TO BE REPLACED AS PART OF THE PROJECT SCOPE.
- EXISTING FIRE ALARM RACEWAYS AND WIRING TO BE REUSED UNLESS OTHERWISE NOTED. (TYPICAL)
- THE NEW FIRE ALARM SYSTEM SHALL BE CONFIGURED AND INSTALLED AS A PROPRIETARY FIRE ALARM SYSTEM AS DEFINED BY NFPA WITH ALL ALARMS ANNUNCIATING AND RECORDED ON THE MAIN FAC IN SEC/MDF ROOM A101.
- FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL NOTIFICATION APPLIANCE CIRCUITS.
- FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS SHALL DISPLAY THE MAIN FACP.B IN SEC/MDF ROOM A101. THE FIRE ALARM ANNUNCIATOR (FAA) AND FIRE MANAGEMENT SYSTEM (FMS) IN MASTER CONTROL ROOM 133. ALARMS SHALL BE RESET FROM THE MAIN FACP.B AND FAA AND FMS WORKSTATION ONLY. PROVIDE A LIST OF ALARM TEXT NAME FOR REVIEW AND APPROVAL FROM THE FACILITY.
- ALL INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES FOR THIS PROJECT ARE NEW AND SHALL BE MONITORED AND CONTROLLED BY BUILDING'S NEW ADDRESSABLE FIRE ALARM SYSTEM.
- FAC TO REMOVE AND REPLACE ALL EXISTING INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES. EXAMPLES: SMOKE, HEAT, BEAM, AND DUCT DETECTORS, I/O MODULES, AUXILIARY RELAYS, PULL STATIONS, STROBES, COMBINATION HORN STROBES, AND ANY ADDRESSABLE DEVICE.
- EXISTING "WG" DETECTOR / AV PROTECTIVE GUARDS SHALL BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. ATTACH WITH SECURITY SCREWS.
- EXISTING HVAC PROGRAMMING FUNCTIONS AND SMOKE CONTROL OPERATIONAL INTERFACES CONNECTED TO THE EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND INCORPORATED INTO THE NEW FIRE ALARM SYSTEM.
- FAC SHALL MOUNT THE FIRE ALARM DEVICE AT 80" AFF.
- FAC SHALL REPLACE THE EXISTING DUCT SMOKE DETECTOR AND CONTROL RELAY OUTPUT MODULE TO SHUTDOWN THE ROOFTOP UNIT (RTU).
- FURNISH AND INSTALL ADDRESSABLE INITIATING DEVICE AS INDICATED ON PLANS. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
- FURNISH AND INSTALL A AUDIBLE/VISUAL OR VISUAL ONLY NOTIFICATION APPLIANCE AS INDICATED. ADJUST THE CANDELA RATINGS AS REQUIRED BY NFPA 72 FOR COMPLETE COVERAGE. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
- FAC TO FURNISH AND INSTALL CONDUIT, WIRING, AND CONNECT THE NEW DEVICE TO THE EXISTING SLC OR NAC CIRCUITRY OR ROUTE TO THE NEAREST FACP.
- EXTEND NEW CONDUIT, BACKBOX, AND WIRING FROM THE EXISTING BACKBOX TO RELOCATE THE NEW FIRE ALARM DEVICE AS INDICATED ON THE PLANS. PROVIDE A 4" STEEL BLANK COVER PLATE AND ATTACH TO THE EXISTING BACKBOX WITH PIN-TORX TYPE SECURITY SCREWS. SEAL THE PERIMETER OF THE COVER PLATE.
- FAC SHALL REPLACE THE EXISTING MODULES TO MONITOR THE KITCHEN ANSUL FIRE SUPPRESSION AND VENT HOOD SYSTEMS.
- FAC SHALL REPLACE THE EXISTING MODULES TO MONITOR THE SPRINKLER CONTROL ZONE VALVES, PIV, FLOW AND TAMPER SWITCHES.
- PROVIDE NEW (SS AND SPD) DEVICES AND GROUND WIRING FOR ALL FIRE ALARM WIRING THAT ENTERS AND/OR LEAVES THE BUILDING. CONNECT TO THE NEAREST EQUIPMENT GROUNDING BAR OR CONDUCTOR.
- FAC SHALL REPLACE THE EXISTING FIRE ALARM ANNUNCIATOR. REUSE THE EXISTING WIRING TO CONNECT TO THE NEW FIRE ALARM SYSTEM.

KEY PLAN





ALL EQUIPMENT ON THIS SHEET IS EXCLUDED IN THE 2025 SCOPE EXCEPT AS NOTED ON SHEET FA 100



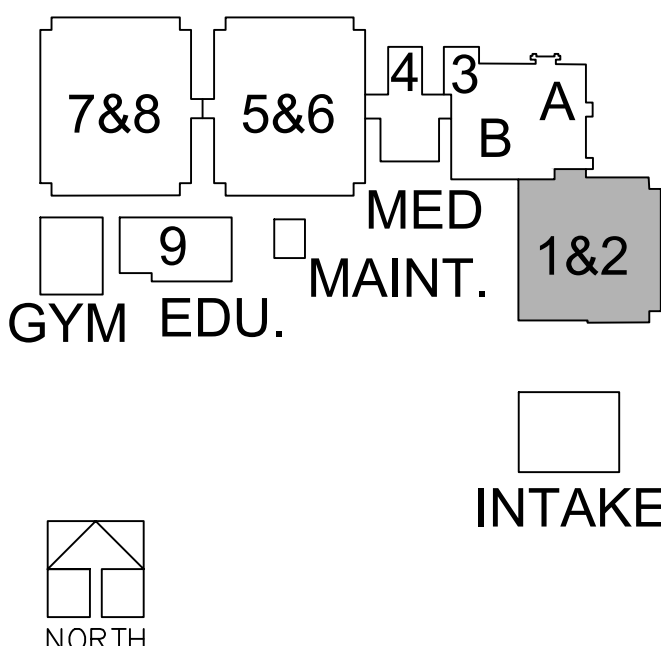
FIRE ALARM PLAN, FIRST LEVEL - HOUSING UNIT 1 & 2

SCALE: 1/8" = 1'-0"

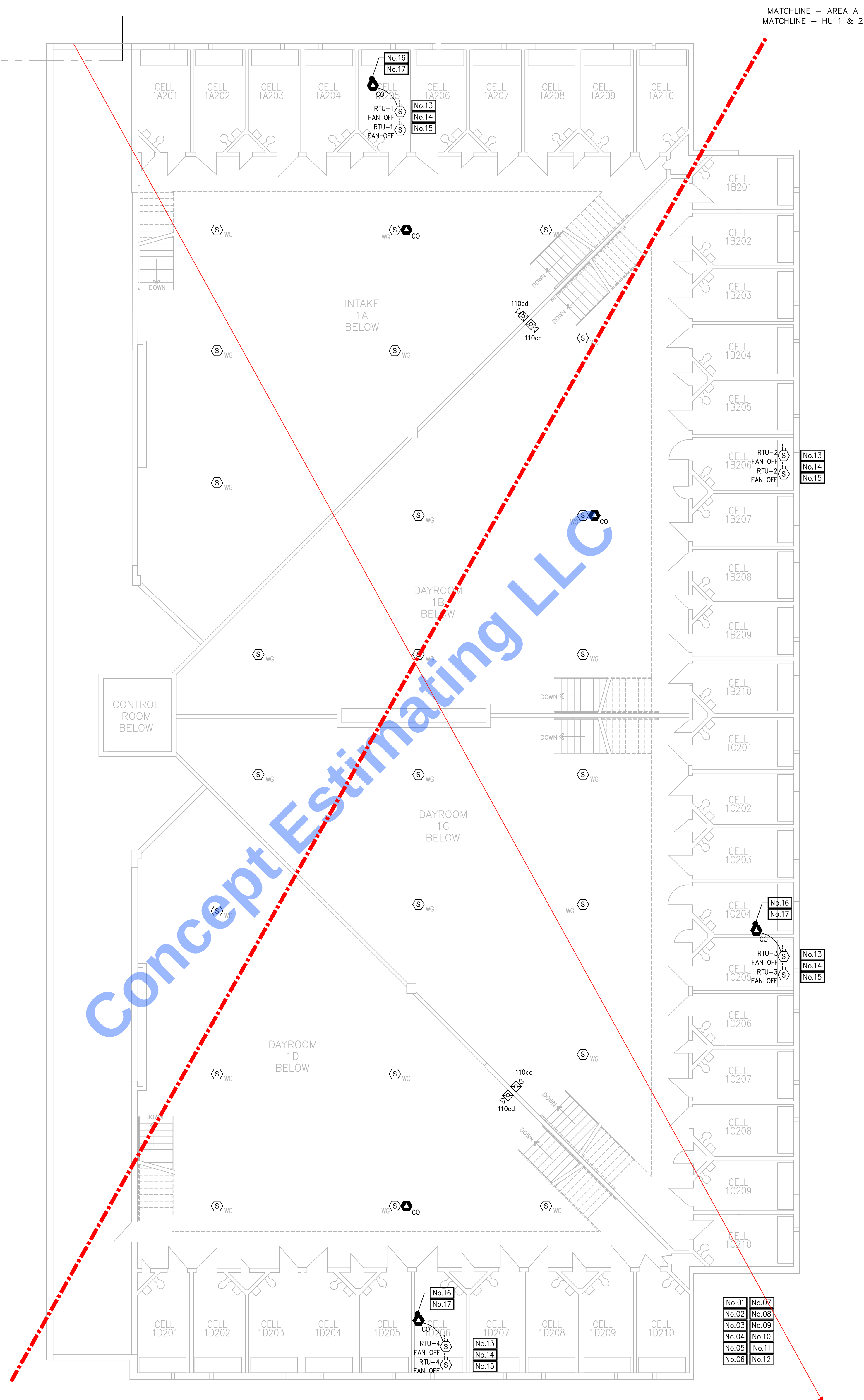
LEGEND NOTES

1. REFER TO GENERAL NOTES ON SHEET FA0.01 AND INCORPORATE AS APPLICABLE.
2. EXISTING DEVICES AND CONDITIONS INDICATED HERE WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE SURVEYS. ALL INFORMATION IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DEVICE LOCATIONS AND CONDITIONS.
3. FAC SHALL FIREPROOF ALL PENETRATIONS CREATED FOR THIS PROJECT. PENETRATIONS THROUGH RATED FLOORS, CEILINGS, AND WALLS SHALL BE PROPERLY SEALED AND SLEEVED TO MAINTAIN THE EXISTING FIRE-RESISTANT RATING. WHERE RATING IS UNKNOWN FIREPROOFING SHALL MEET A 2HR RATING IN ALL CASES. SEALANT COLOR SHALL MATCH THE EXISTING SURFACES AS CLOSELY AS POSSIBLE.
4. FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
5. THE EXISTING FIRE ALARM SYSTEM EQUIPMENT REFERENCED ON THIS PLAN ARE SCHEDULED TO BE REPLACED AS PART OF THE PROJECT SCOPE.
6. EXISTING FIRE ALARM RACEWAYS AND WIRING TO BE REUSED UNLESS OTHERWISE NOTED. (TYPICAL)
7. THE NEW FIRE ALARM SYSTEM SHALL BE CONFIGURED AND INSTALLED AS A PROPRIETARY FIRE ALARM SYSTEM AS DEFINED BY NFPA WITH ALL ALARMS ANNUNCIATING AND RECORDED ON THE MAIN FAC IN SEC/MDF ROOM A101.
8. FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL NOTIFICATION APPLIANCE CIRCUITS.
9. FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS SHALL DISPLAY THE MAIN FAC IN SEC/MDF ROOM A101, THE FIRE ALARM ANNUNCIATOR (FAA) AND FIRE MANAGEMENT SYSTEM (FMS) IN MASTER CONTROL ROOM 133. ALARMS SHALL BE RESET FROM THE MAIN FAC IN SEC/MDF ROOM A101. ANNUNCIATING AND RECORDED ON THE MAIN FAC IN SEC/MDF ROOM A101.
10. ALL INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES FOR THIS PROJECT ARE NEW AND SHALL BE MONITORED AND CONTROLLED BY BUILDING'S NEW ADDRESSABLE FIRE ALARM SYSTEM.
11. FAC TO REMOVE AND REPLACE ALL EXISTING INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES. EXAMPLES: SMOKE, HEAT, BEAM, AND DUCT DETECTORS, I/O MODULES, AUXILIARY RELAYS, PULL STATIONS, STROBES, COMBINATION HORN STROBES, AND ANY ADDRESSABLE DEVICE.
12. EXISTING "WG" DETECTOR / AV PROTECTIVE GUARDS SHALL BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. ATTACH WITH SECURITY SCREWS.
13. EXISTING HVAC PROGRAMMING FUNCTIONS AND SMOKE CONTROL OPERATIONAL INTERFACES CONNECTED TO THE EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND INCORPORATED INTO THE NEW FIRE ALARM SYSTEM.
14. REPLACE ALL RELAYS CONTROL AND MONITORING MODULES REQUIRED TO PERFORM SMOKE CONTROL. RECONNECT THE EXISTING WIRING TO THE NEW FIRE ALARM SYSTEM.
15. FAC SHALL REPLACE THE EXISTING DUCT SMOKE DETECTOR AND CONTROL RELAY OUTPUT MODULE TO SHUTDOWN THE ROOFTOP UNIT (RTU).
16. FURNISH AND INSTALL ADDRESSABLE INITIATING DEVICE AS INDICATED ON PLANS. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
17. FURNISH AND INSTALL A AUDIBLE/VISUAL OR VISUAL ONLY NOTIFICATION APPLIANCE AS INDICATED. ADJUST THE CANDELA RATINGS AS REQUIRED BY NFPA 72 FOR COMPLETE COVERAGE. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
18. FAC TO FURNISH AND INSTALL CONDUIT, WIRING, AND CONNECT THE NEW DEVICE TO THE EXISTING SLC OR NAC CIRCUITRY OR ROUTE TO THE NEAREST FACP

KEY PLAN



**ALL EQUIPMENT ON THIS
SHEET IS EXCLUDED IN THE
2025 SCOPE EXCEPT AS
NOTED ON SHEET FA 100**



FIRE ALARM PLAN, UPPER CELL TIER - HOUSING UNIT 1 & 2

SCALE: 1/8" = 1'-0"

1. REFER TO GENERAL NOTES ON SHEET FA-01 AND INFER TO CORRECTIONS AS APPLICABLE.
2. EXISTING DEVICES AND CONDITIONS INDICATED HERE WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE SURVEYS. ALL INFORMATION IS BELIEVED TO BE ACCURATE. IF IT IS NOT GUARANTEED, THE CONTRACTOR SHALL CONFIRM ALL EXISTING DEVICE LOCATIONS AND CONDITIONS.
3. FAC SHALL FIREPROOF ALL PENETRATIONS CREATED FOR THIS PROJECT. PENETRATIONS THROUGH RATED FLOORS, WALLS, AND CEILING SHALL BE PROPERLY SEALED AND SLEEVED TO MAINTAIN THE EXISTING FIRE-RESISTANT RATING. WHERE RATING IS UNKNOWN FIREPROOFING SHALL MEET A 2 HOUR RATING. ALL PENETRATIONS SHALL MEET THE EXISTING SURFACE FINISHES AS CLOSELY AS POSSIBLE.
4. FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
5. THE EXISTING FIRE ALARM SYSTEM EQUIPMENT IDENTIFIED ON THIS PLAN ARE SCHEDULED TO BE REPLACED AS PART OF THE PROJECT SCOPE.
6. THE EXISTING FIRE ALARM RACEWAYS AND WIRING TO BE REPLACED UNLESS OTHERWISE NOTED. (TYPICAL)
7. THE NEW FIRE ALARM SYSTEM SHALL BE CONFIGURED AND INSTALLED AS A PROPRIETARY FIRE ALARM SYSTEM AS DEFINED BY NFPA WITH ALL ALARMS ANNOTATED AND RECORDED ON THE MAIN FAC IN SEC/MDF ROOM A101.
8. FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL NOTIFICATION APPLIANCE CIRCUITS.
9. FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS SHALL DISPLAY THE MAIN FAC B IN SEC/MDF ROOM A101. THE MAIN FAC B (BELL) AND STATUS ALARMS SHALL BE CONTROLLED BY THE FACILITY MANAGEMENT SYSTEM (FMS) IN MASTER CONTROL ROOM 135. ALARMS SHALL BE RE-TESTED AND RESET BY THE FACILITY MANAGEMENT WORKSTATION ONLY. PROVIDE A LIST OF ALARM TEXT NAME FOR REVIEW AND APPROVAL FROM THE FACILITY.
10. ALL INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES FOR THIS PROJECT ARE NEW AND SHALL BE RE-TESTED AND RESET BY THE FACILITY AND BUILDING'S NEW ADDRESSABLE FIRE ALARM SYSTEM.
11. FAC TO REMOVE AND REPLACE ALL EXISTING INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES. EXEMPLE: SMOKE, HEAT, BEAM, AND DETECTORS. I/O MODULES, AUXILIARY RELAYS, RELAYS, AND STRONG ARM COMMUNICATIONS FROM STROGES, AND ANY ADDRESSABLE DEVICE.
12. EXISTING "WG" DETECTOR / A/P PROTECTIVE GUARDS SHALL BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. ATTACH WITH SECURITY SCREWS.
13. EXISTING HVAC PROGRAMMING FUNCTIONS AND SMOKE CONTROL OPERATIONAL INTERFACES CONNECTED TO THE EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND INCORPORATED INTO THE NEW FIRE ALARM SYSTEM.
14. REPLACE ALL RELAYS CONTROL AND MONITORING MODULES REQUIRED TO PERFORM SMOKE CONTROL. RECONNECT THE EXISTING WIRING TO THE NEW FIRE ALARM SYSTEM.
15. FAC SHALL REPLACE THE EXISTING SMOKE DETECTOR AND CONTROL RELAY TO NEW I/O MODULE TO SHUNT TO THE ROOM 135 (RTR).
16. FURNISH AND INSTALL ADDRESSABLE INITIATING DEVICE AS INDICATED ON PLAN. PROVIDE A "WG" DETECTOR / A/P PROTECTIVE GUARD WHERE NOTED.
17. FAC TO FURNISH AND INSTALL CONDUIT, WIRING, AND CONNECT THE NEW DEVICE TO THE EXISTING SLC OR NAC CIRCUIRY OR ROUTE TO THE NEAREST FAC.



FIRE ALARM PLAN, UPPER CELL TIER - HOUSING UNIT 1 & 2

FIRE ALARM SYSTEM REPLACEMENT

TORRANCE COUNTY DETENTION FACILITY, ESTANCIA, NM

FA1.03

AUGUST 23, 2024

**SYSTEMS
DESIGN**

RN

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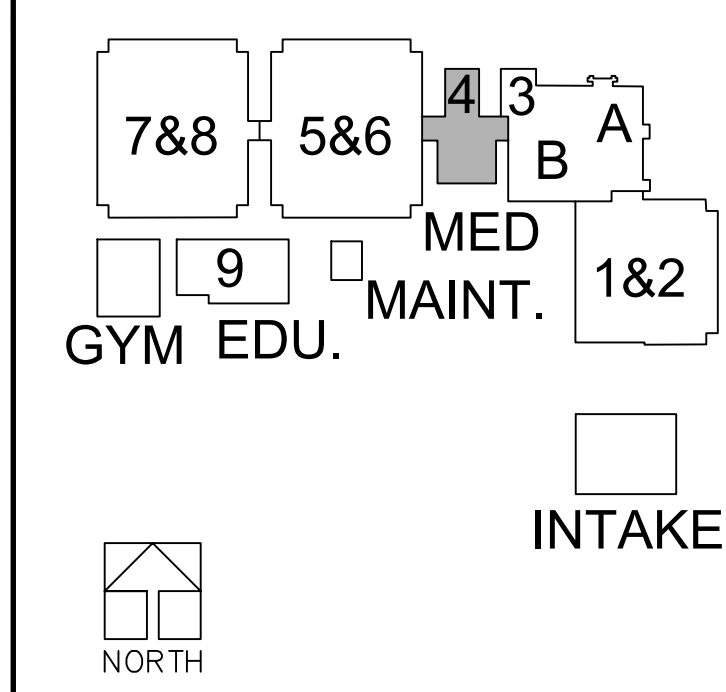


ALL EQUIPMENT ON THIS SHEET IS EXCLUDED IN THE 2025 SCOPE EXCEPT AS NOTED ON SHEET FA 100

LEGEND NOTES

1. REFER TO GENERAL NOTES ON SHEET FA0.01 AND INCORPORATE AS APPLICABLE.
2. EXISTING DEVICES AND CONDITIONS INDICATED HERE WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE SURVEYS. ALL INFORMATION IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DEVICE LOCATIONS AND CONDITIONS.
3. FAC SHALL FIREPROOF ALL PENETRATIONS CREATED FOR THIS PROJECT. PENETRATIONS THROUGH RATED FLOORS, CEILINGS, AND WALLS SHALL BE PROPERLY SEALED AND SLEEVED TO MAINTAIN THE EXISTING FIRE-RESISTANT RATINGS. WHERE RATING IS UNKNOWN FIREPROOFING SHALL MEET A 2HR RATING IN ALL CASES. SEALANT COLOR SHALL MATCH THE EXISTING SURFACES AS CLOSELY AS POSSIBLE.
4. FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
5. THE EXISTING FIRE ALARM SYSTEM EQUIPMENT REFERENCED ON THIS PLAN ARE SCHEDULED TO BE REPLACED AS PART OF THE PROJECT SCOPE.
6. EXISTING FIRE ALARM RACEWAYS AND WIRING TO BE REUSED UNLESS OTHERWISE NOTED. (TYPICAL)
7. THE NEW FIRE ALARM SYSTEM SHALL BE CONFIGURED AND INSTALLED AS A PROPRIETARY FIRE ALARM SYSTEM AS DEFINED BY NFPA WITH ALL ALARMS ANNUNCIATING AND RECORDED ON THE MAIN FACP IN SEC/MDF ROOM A101.
8. FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL NOTIFICATION APPLIANCE CIRCUITS.
9. FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS SHALL DISPLAY THE MAIN FACP.B IN SEC/MDF ROOM A101. THE FIRE ALARM ANNUNCIATOR (FAA) AND FIRE MANAGEMENT SYSTEM (FMS) IN MASTER CONTROL ROOM 133. ALARMS SHALL BE RESET FROM THE MAIN FACP.B AND FAA AND FMS WORKSTATION ONLY. PROVIDE A LIST OF ALARM TEXT NAME FOR REVIEW AND APPROVAL FROM THE FACILITY.
10. ALL INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES FOR THIS PROJECT ARE NEW AND SHALL BE MONITORED AND CONTROLLED BY BUILDING'S NEW ADDRESSABLE FIRE ALARM SYSTEM.
11. FAC TO REMOVE AND REPLACE ALL EXISTING INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES. EXAMPLES: SMOKE, HEAT, BEAM, AND DUCT DETECTORS, I/O MODULES, AUXILIARY RELAYS, PULL STATIONS, STROBES, COMBINATION HORN, STROBES, AND ANY ADDRESSABLE DEVICE.
12. EXISTING "WG" DETECTOR / AV PROTECTIVE GUARDS SHALL BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. ATTACH WITH SECURITY SCREWS.
13. EXISTING HVAC PROGRAMMING FUNCTIONS AND SMOKE CONTROL OPERATIONAL INTERFACES CONNECTED TO THE EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND INCORPORATED INTO THE NEW FIRE ALARM SYSTEM.
14. REPLACE ALL RELAYS CONTROL AND MONITORING MODULES REQUIRED TO PERFORM SMOKE CONTROL. RECONNECT THE EXISTING WIRING TO THE NEW FIRE ALARM SYSTEM.
15. FAC SHALL REPLACE THE EXISTING DUCT SMOKE DETECTOR AND CONTROL RELAY OUTPUT MODULE TO SHUTDOWN THE ROOFTOP UNIT (RTU).
16. FURNISH AND INSTALL ADDRESSABLE INITIATING DEVICE AS INDICATED ON PLANS. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
17. FURNISH AND INSTALL A AUDIBLE/VISUAL OR VISUAL ONLY NOTIFICATION APPLIANCE AS INDICATED. ADJUST THE CANDELA RATINGS AS REQUIRED BY NFPA 72 FOR COMPLETE COVERAGE. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
18. FAC TO FURNISH AND INSTALL CONDUIT, WIRING, AND CONNECT THE NEW DEVICE TO THE EXISTING SLC OR NAC CIRCUITRY OR ROUTE TO THE NEAREST FACP.
19. EXTEND NEW CONDUIT, J-BOX, AND WIRING FROM THE EXISTING J-BOX TO RELOCATE THE NEW FIRE ALARM DEVICE AS INDICATED ON THE PLANS. PROVIDE A 4" STEEL BLANK COVER PLATE AND ATTACH TO THE EXISTING J-BOX WITH SECURITY PIN-TORX TYPE SCREWS. SEAL THE PERIMETER OF THE COVER PLATE.

KEY PLAN



FIRE ALARM PLAN, FIRST LEVEL - HOUSING UNIT 4
SCALE: 1/8" = 1'-0"

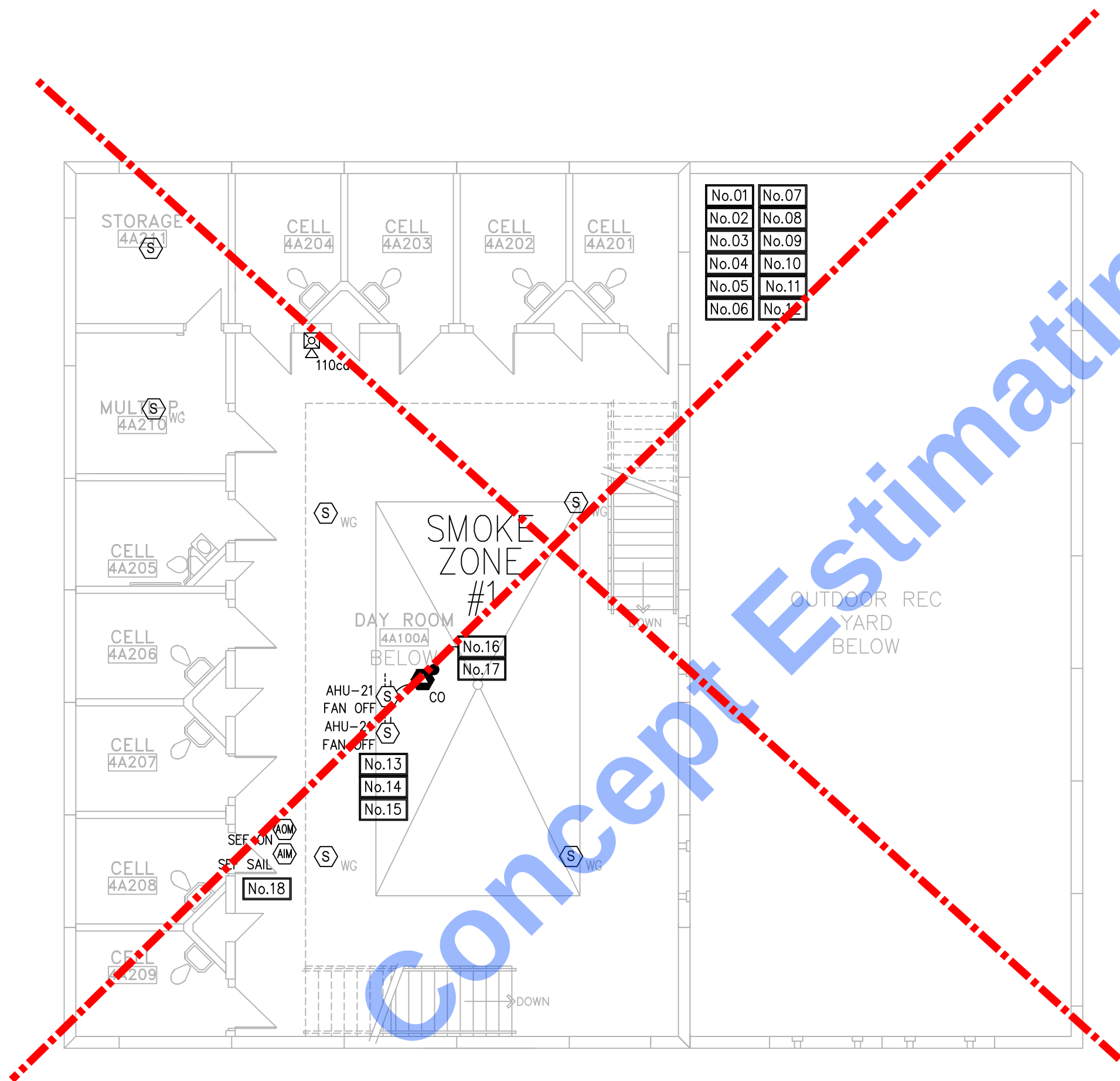
FIRE ALARM PLAN, FIRST LEVEL - HOUSING UNIT 4
FIRE ALARM SYSTEM REPLACEMENT
TORRANCE COUNTY DETENTION FACILITY, ESTANCIA, NM

FA1.04
AUGUST 23, 2024

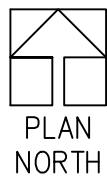


ALL EQUIPMENT ON THIS SHEET IS EXCLUDED IN THE 2025 SCOPE EXCEPT AS NOTED ON SHEET FA 100

MATCHLINE - HU 5 & 6
MATCHLINE - HU 4



MATCHLINE - AREA B
MATCHLINE - AREA A



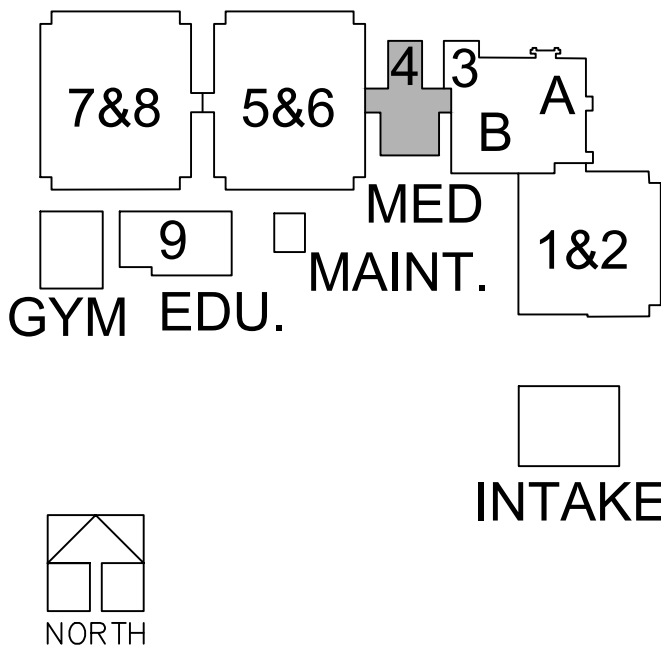
FIRE ALARM PLAN, UPPER CELL TIER - HOUSING UNIT 4

SCALE: 1/8" = 1'-0"

LEGEND NOTES

1. REFER TO GENERAL NOTES ON SHEET FA0.01 AND INCORPORATE AS APPLICABLE.
2. EXISTING DEVICES AND CONDITIONS INDICATED HERE WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE SURVEYS. ALL INFORMATION IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DEVICE LOCATIONS AND CONDITIONS.
3. FAC SHALL FIREPROOF ALL PENETRATIONS CREATED FOR THIS PROJECT. PENETRATIONS THROUGH RATED FLOORS, CEILINGS, AND WALLS SHALL BE PROPERLY SEALED AND SLEEVED TO MAINTAIN THE EXISTING FIRE-RESISTANT RATING. WHERE RATING IS UNKNOWN FIREPROOFING SHALL MEET A 2HR RATING IN ALL CASES. SEALANT COLOR SHALL MATCH THE EXISTING SURFACES AS CLOSELY AS POSSIBLE.
4. FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
5. THE EXISTING FIRE ALARM SYSTEM EQUIPMENT REFERENCED ON THIS PLAN ARE SCHEDULED TO BE REPLACED AS PART OF THE PROJECT SCOPE.
6. EXISTING FIRE ALARM RACEWAYS AND WIRING TO BE REUSED UNLESS OTHERWISE NOTED. (TYPICAL)
7. THE NEW FIRE ALARM SYSTEM SHALL BE CONFIGURED AND INSTALLED AS A PROPRIETARY FIRE ALARM SYSTEM AS DEFINED BY NFPA WITH ALL ALARMS ANNUNCIATING AND RECORDED ON THE MAIN FACP IN SEC/MDF ROOM A101.
8. FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL NOTIFICATION APPLIANCE CIRCUITS.
9. FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS SHALL DISPLAY THE MAIN FACP.B IN SEC/MDF ROOM A101, THE FIRE ALARM ANNUNCIATOR (FAA) AND FIRE MANAGEMENT SYSTEM (FMS) IN MASTER CONTROL ROOM 133. ALARMS SHALL BE RESET FROM THE MAIN FACP.B AND FAA AND FMS WORKSTATION ONLY. PROVIDE A LIST OF ALARM TEXT NAME FOR REVIEW AND APPROVAL FROM THE FACILITY.
10. ALL INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES FOR THIS PROJECT ARE NEW AND SHALL BE MONITORED AND CONTROLLED BY BUILDING'S NEW ADDRESSABLE FIRE ALARM SYSTEM.
11. FAC TO REMOVE AND REPLACE ALL EXISTING INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES. EXAMPLES: SMOKE, HEAT, BEAM, AND DUCT DETECTORS, I/O MODULES, AUXILIARY RELAYS, PULL STATIONS, STROBES, COMBINATION HORN STROBES, AND ANY ADDRESSABLE DEVICE.
12. EXISTING "WG" DETECTOR / AV PROTECTIVE GUARDS SHALL BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. ATTACH WITH SECURITY SCREWS.
13. EXISTING HVAC PROGRAMMING FUNCTIONS AND SMOKE CONTROL OPERATIONAL INTERFACES CONNECTED TO THE EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND INCORPORATED INTO THE NEW FIRE ALARM SYSTEM.
14. REPLACE ALL RELAYS CONTROL AND MONITORING MODULES REQUIRED TO PERFORM SMOKE CONTROL. RECONNECT THE EXISTING WIRING TO THE NEW FIRE ALARM SYSTEM.
15. FAC SHALL REPLACE THE EXISTING DUCT SMOKE DETECTOR AND CONTROL RELAY OUTPUT MODULE TO SHUTDOWN THE ROOFTOP UNIT (RTU).
16. FURNISH AND INSTALL ADDRESSABLE INITIATING DEVICE AS INDICATED ON PLANS. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
17. FAC TO FURNISH AND INSTALL CONDUIT, WIRING, AND CONNECT THE NEW DEVICE TO THE EXISTING SLG OR NAC CIRCUITRY OR ROUTE TO THE NEAREST FACP.
18. FAC SHALL REPLACE ALL RELAY CONTROL AND MONITORING MODULES USED FOR SMOKE EXHAUST FANS (SEF).

KEY PLAN



FIRE ALARM PLAN, UPPER CELL TIER - HOUSING UNIT 4
FIRE ALARM SYSTEM REPLACEMENT
TORRANCE COUNTY DETENTION FACILITY, ESTANCIA, NM

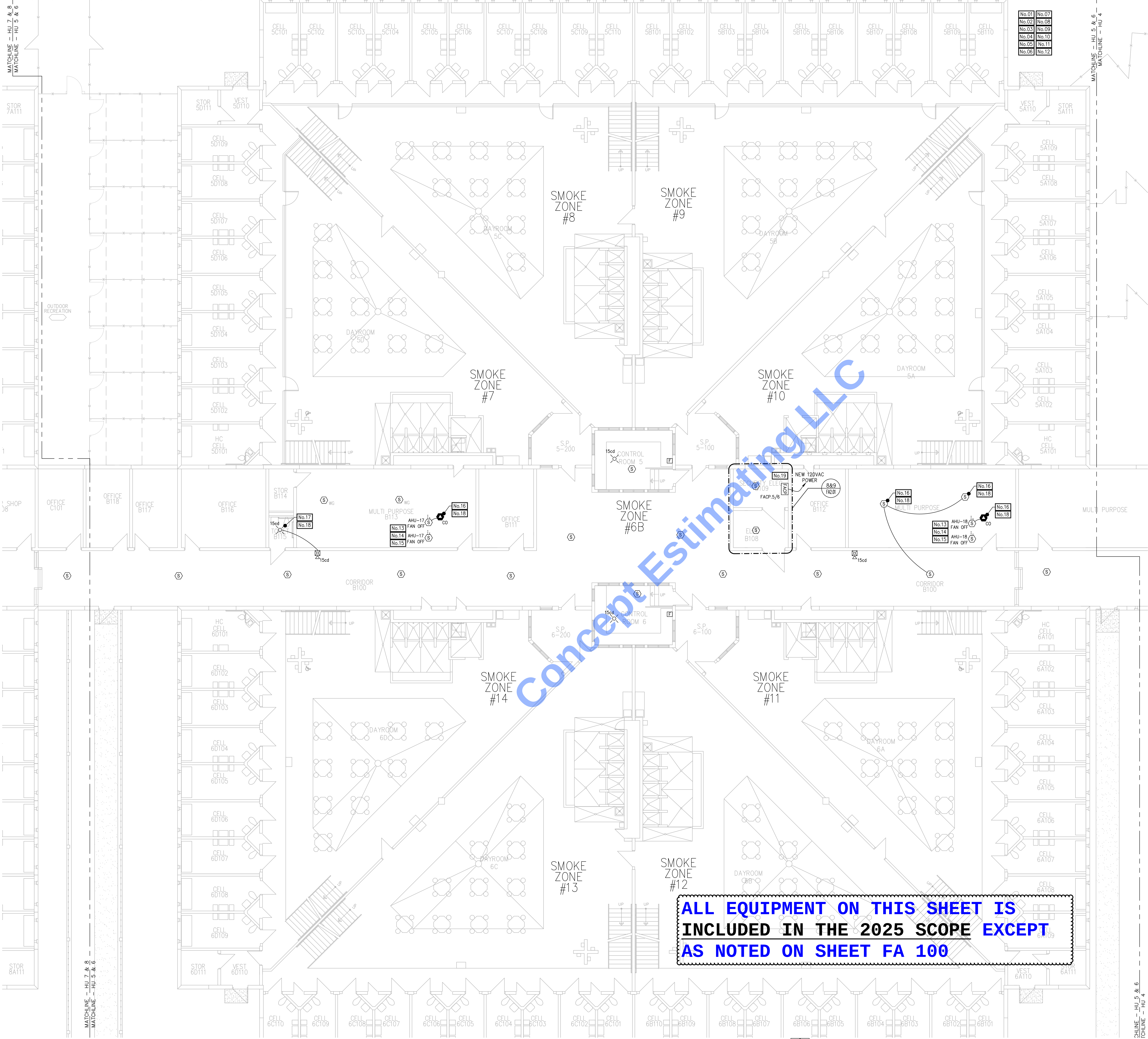
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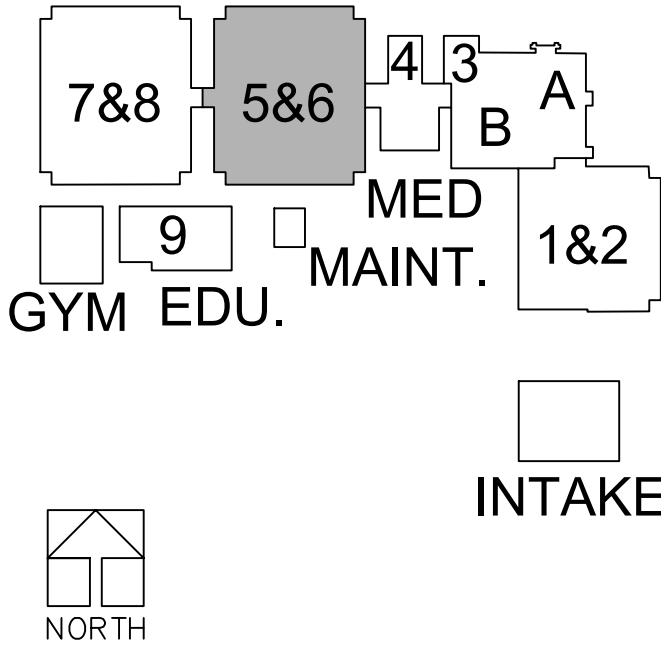
ALL EQUIPMENT ON THIS SHEET IS INCLUDED IN THE 2025 SCOPE EXCEPT AS NOTED ON SHEET FA 100

FIRE ALARM PLAN, FIRST LEVEL - HOUSING UNIT 5 & 6
SCALE: 1/8" = 1'-0"

LEGEND NOTES

1. REFER TO GENERAL NOTES ON SHEET FA0.01 AND INCORPORATE AS APPLICABLE.
2. EXISTING DEVICES AND CONDITIONS INDICATED HERE WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE SURVEYS. ALL INFORMATION IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DEVICE LOCATIONS AND CONDITIONS.
3. FAC SHALL FIREPROOF ALL PENETRATIONS CREATED FOR THIS PROJECT. PENETRATIONS THROUGH RATED FLOORS, CEILINGS, AND WALLS SHALL BE PROPERLY SEALED AND SLEEVED TO MAINTAIN THE EXISTING FIRE-RESISTANT RATING. WHERE RATING IS UNKNOWN FIREPROOFING SHALL MEET A 2HR RATING IN ALL CASES. SEALANT COLOR SHALL MATCH THE EXISTING SURFACES AS CLOSELY AS POSSIBLE.
4. FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
5. THE EXISTING FIRE ALARM SYSTEM EQUIPMENT REFERENCED ON THIS PLAN ARE SCHEDULED TO BE REPLACED AS PART OF THE PROJECT SCOPE.
6. EXISTING FIRE ALARM RACEWAYS AND WIRING TO BE REUSED UNLESS OTHERWISE NOTED. (TYPICAL)
7. THE NEW FIRE ALARM SYSTEM SHALL BE CONFIGURED AND INSTALLED AS A PROPRIETARY FIRE ALARM SYSTEM AS DEFINED BY NFPA WITH ALL ALARMS ANNUNCIATING AND RECORDED ON THE MAIN FACP IN SEC/MDF ROOM A101.
8. FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL NOTIFICATION APPLIANCE CIRCUITS.
9. FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS SHALL DISPLAY THE LOCAL FIRE ALARM CONTROL PANEL (FACP/5/6) IN SEC ROOM B109. THE MAIN FACP/5 IN SEC/MDF ROOM A101. THE FIRE ALARM ANNUNCIATOR (FAA) AND FIRE MANAGEMENT SYSTEM (FMS) IN MASTER CONTROL ROOM 133. ALARMS SHALL BE RESET FROM THE MAIN FACP/5 AND FAA AND FMS WORKSTATION ONLY. PROVIDE A LIST OF ALARM TEXT NAME FOR REVIEW AND APPROVAL FROM THE FACILITY.
10. ALL INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES FOR THIS PROJECT ARE NEW AND SHALL BE MONITORED AND CONTROLLED BY BUILDING'S NEW ADDRESSABLE FIRE ALARM SYSTEM.
11. FAC TO REMOVE AND REPLACE ALL EXISTING INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES. EXAMPLES: SMOKE, HEAT, BEAM, AND DUCT DETECTORS, I/O MODULES, AUXILIARY RELAYS, PULL STATIONS, STROBES, COMBINATION HORN STROBES, AND ANY ADDRESSABLE DEVICE.
12. EXISTING "WG" DETECTOR / AV PROTECTIVE GUARDS SHALL BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. ATTACH WITH SECURITY SCREWS.
13. EXISTING HVAC PROGRAMMING FUNCTIONS AND SMOKE CONTROL OPERATIONAL INTERFACES CONNECTED TO THE EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND INCORPORATED INTO THE NEW FIRE ALARM SYSTEM.
14. REPLACE ALL RELAYS CONTROL AND MONITORING MODULES REQUIRED TO PERFORM SMOKE CONTROL. RECONNECT THE EXISTING WIRING TO THE NEW FIRE ALARM SYSTEM.
15. FAC SHALL REPLACE THE EXISTING DUCT SMOKE DETECTOR AND CONTROL RELAY OUTPUT MODULE TO SHUTDOWN THE ROOFTOP UNIT (RTU).
16. FURNISH AND INSTALL ADDRESSABLE INITIATING DEVICE AS INDICATED ON PLANS. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
17. FURNISH AND INSTALL A AUDIBLE/VISUAL OR VISUAL ONLY NOTIFICATION APPLIANCE AS INDICATED. ADJUST THE CANDELA RATINGS AS REQUIRED BY NFPA 72. FOR COMPLETE COVERAGE, PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
18. FAC TO FURNISH AND INSTALL CONDUIT, WIRING, AND CONNECT THE NEW DEVICE TO THE EXISTING SLC OR NAC CIRCUITRY OR ROUTE TO THE NEAREST FACP.
19. FURNISH AND INSTALL (1) NEW 20AMP, 120VAC BRANCH POWER CIRCUIT FROM THE EMERGENCY POWER PANEL (EL4/5/2) FOR THE FACP. PROVIDE NEW BRANCH CIRCUIT BREAKER, BREAKER LOCK, AND LABEL "FACP."

KEY PLAN



FIRE ALARM PLAN, FIRST LEVEL - HOUSING UNIT 5 & 6
FIRE ALARM SYSTEM REPLACEMENT
TORRANCE COUNTY DETENTION FACILITY, ESTANCIA, NM

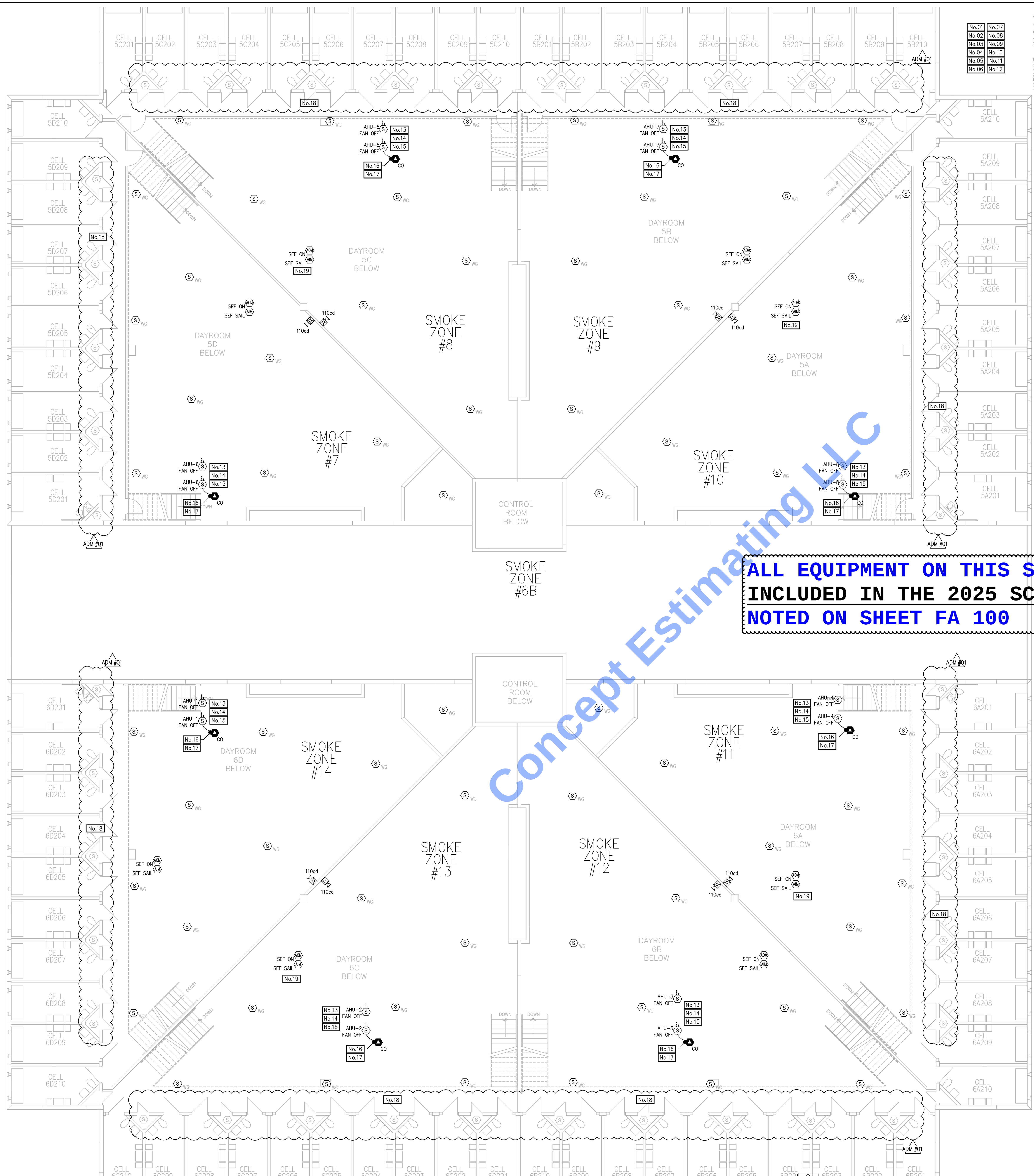
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AUGUST 23, 2024

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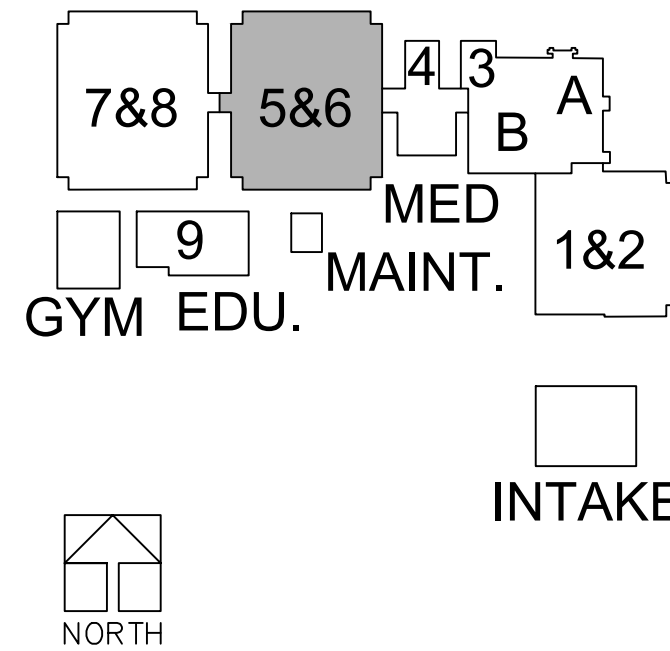


ALL EQUIPMENT ON THIS SHEET IS INCLUDED IN THE 2025 SCOPE EXCEPT AS NOTED ON SHEET FA 100

LEGEND NOTES

1. REFER TO GENERAL NOTES ON SHEET FA0.01 AND INCORPORATE AS APPLICABLE.
2. EXISTING DEVICES AND CONDITIONS INDICATED HERE WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE SURVEYS. ALL INFORMATION IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DEVICE LOCATIONS AND CONDITIONS.
3. FAC SHALL FIREPROOF ALL PENETRATIONS CREATED FOR THIS PROJECT. PENETRATIONS THROUGH RATED FLOORS, CEILINGS, AND WALLS SHALL BE PROPERLY SEALED AND SLEEVED TO MAINTAIN THE EXISTING FIRE-RESISTANT RATING. WHERE RATING IS UNKNOWN, FIREPROOFING SHALL MEET A 2HR RATING IN ALL CASES. SEALANT COLOR SHALL MATCH THE EXISTING SURFACES AS CLOSELY AS POSSIBLE.
4. FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
5. THE EXISTING FIRE ALARM SYSTEM EQUIPMENT REFERENCED ON THIS PLAN ARE SCHEDULED TO BE REPLACED AS PART OF THE PROJECT SCOPE.
6. EXISTING FIRE ALARM RACEWAYS AND WIRING TO BE REUSED UNLESS OTHERWISE NOTED. (TYPICAL)
7. THE NEW FIRE ALARM SYSTEM SHALL BE CONFIGURED AND INSTALLED AS A PROPRIETARY FIRE ALARM SYSTEM AS DEFINED BY NFPA WITH ALL ALARMS ANNUNCIATING AND RECORDED ON THE MAIN FACP IN SEC/MDF ROOM A101.
8. FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL NOTIFICATION APPLIANCE CIRCUITS.
9. FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS SHALL DISPLAY THE LOCAL FIRE ALARM CONTROL PANEL (FACP-5/6) IN SEC. ROOM B109. THE MAIN FACP IS IN SEC/MDF ROOM A101. THE FIRE ALARM ANNUNCIATOR (FAA) AND FIRE MANAGEMENT SYSTEM (FMS) IN MASTER CONTROL ROOM 133. ALARMS SHALL BE RESET FROM THE MAIN FACP-B AND FAA AND FMS WORKSTATION ONLY. PROVIDE A LIST OF ALARM TEXT NAME FOR REVIEW AND APPROVAL FROM THE FACILITY.
10. ALL INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES FOR THIS PROJECT ARE NEW AND SHALL BE MONITORED AND CONTROLLED BY BUILDING'S NEW ADDRESSABLE FIRE ALARM SYSTEM.
11. FAC TO REMOVE AND REPLACE ALL EXISTING INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES. EXAMPLES: SMOKE, HEAT, BEAM, AND DUCT DETECTORS, I/O MODULES, AUXILIARY RELAYS, PULL STATIONS, STROBES, COMBINATION HORN STROBES, AND ANY ADDRESSABLE DEVICE.
12. EXISTING "WG" DETECTOR / AV PROTECTIVE GUARDS SHALL BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. ATTACH WITH SECURITY SCREWS.
13. EXISTING HVAC PROGRAMMING FUNCTIONS AND SMOKE CONTROL OPERATIONAL INTERFACES CONNECTED TO THE EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND INCORPORATED INTO THE NEW FIRE ALARM SYSTEM.
14. REPLACE ALL RELAYS CONTROL AND MONITORING MODULES REQUIRED TO PERFORM SMOKE CONTROL. RECONNECT THE EXISTING WIRING TO THE NEW FIRE ALARM SYSTEM.
15. FAC SHALL REPLACE THE EXISTING DUCT SMOKE DETECTOR AND CONTROL RELAY OUTPUT MODULE TO SHUTDOWN THE ROOFTOP UNIT (RTU).
16. FURNISH AND INSTALL ADDRESSABLE INITIATING DEVICE AS INDICATED ON PLANS. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
17. FAC TO FURNISH AND INSTALL CONDUIT, WIRING, AND CONNECT THE NEW DEVICE TO THE EXISTING SLC OR NAC. GROUNDED OR ROUTE TO THE NEAREST FACP.
18. FAC SHALL REMOVE THE EXISTING SMOKE DETECTOR LOCATED IN UTILITY SPACE AT EACH PLUMBING CELL CHASE. REMOVE ALL WIRING BACK TO SOURCE. PROVIDE BLANK COVERPLATE SECURED WITH SCREWS AT EACH PULLBOX LOCATION WHERE DEVICE WAS REMOVED.
19. FAC SHALL REPLACE ALL RELAY CONTROL AND MONITORING MODULES USED FOR SMOKE EXHAUST FANS (SEF).

KEY PLAN



FIRE ALARM PLAN, UPPER CELL TIER - HOUSING UNIT 5 & 6

SCALE: 1/8" = 1'-0"

FIRE ALARM PLAN, UPPER CELL TIER - HOUSING UNIT 5 & 6
FIRE ALARM SYSTEM REPLACEMENT
TORRANCE COUNTY DETENTION FACILITY, ESTANCIA, NM

FA1.07

AUGUST 23, 2024

Attachment No. FA03
to ADM No. 1
dated 26 September 2024

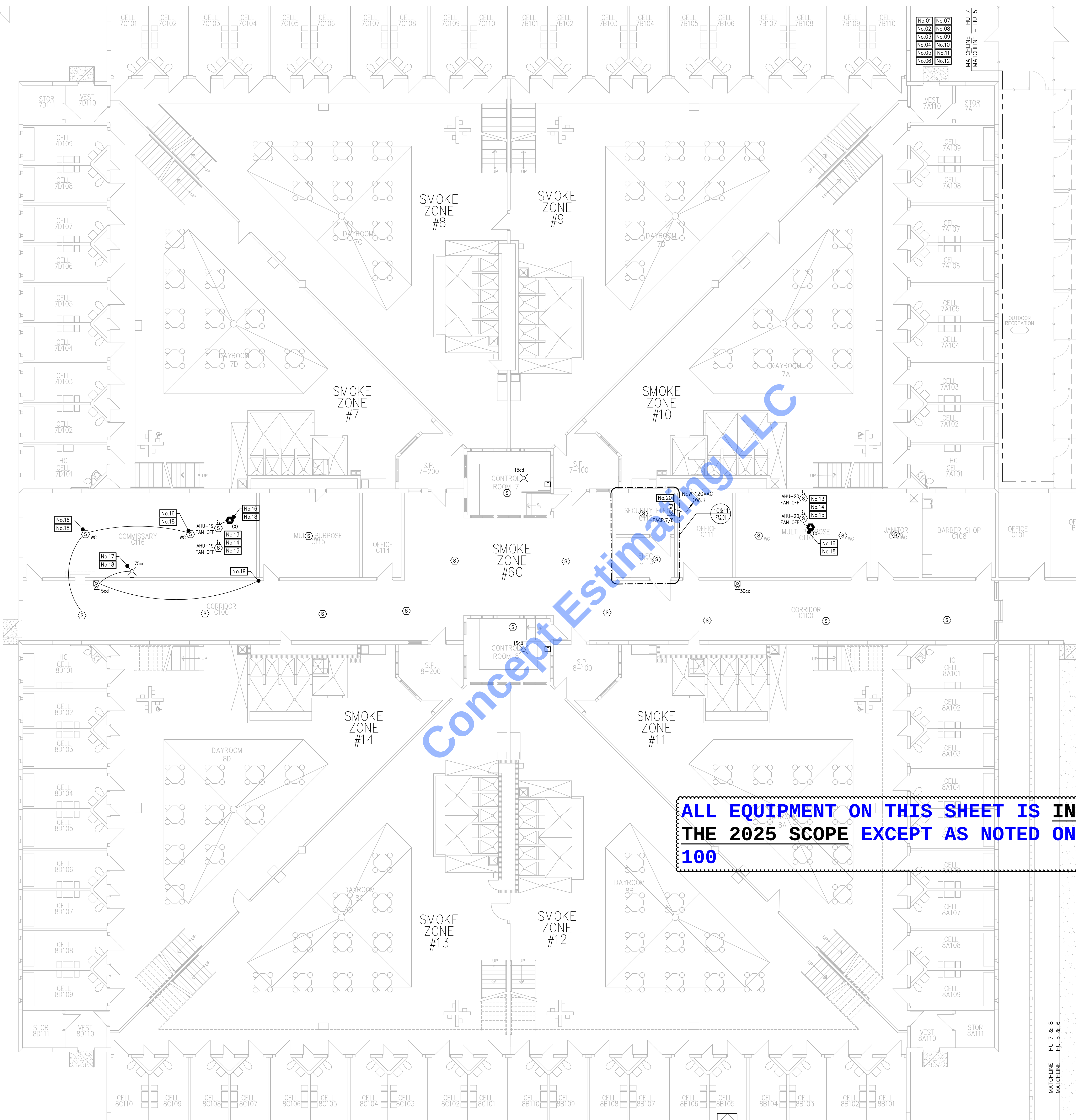
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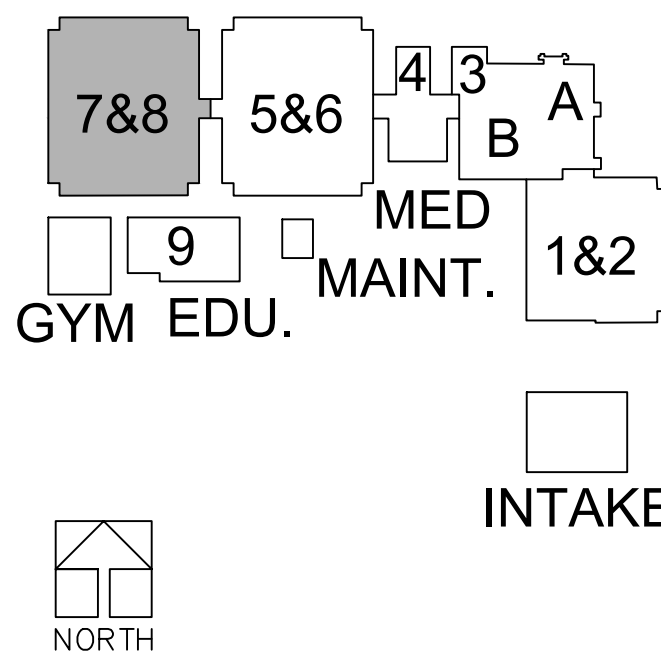


ALL EQUIPMENT ON THIS SHEET IS INCLUDED IN THE 2025 SCOPE EXCEPT AS NOTED ON SHEET FA 100

LEGEND NOTES

1. REFER TO GENERAL NOTES ON SHEET FA0.01 AND INCORPORATE AS APPLICABLE.
2. EXISTING DEVICES AND CONDITIONS INDICATED HERE WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE SURVEYS. ALL INFORMATION IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DEVICE LOCATIONS AND CONDITIONS.
3. FAC SHALL FIREPROOF ALL PENETRATIONS CREATED FOR THIS PROJECT. PENETRATIONS THROUGH RATED FLOORS, CEILINGS, AND WALLS SHALL BE PROPERLY SEALED AND SLEEVED TO MAINTAIN THE EXISTING FIRE-RESISTANT RATING. WHERE RATING IS UNKNOWN FIREPROOFING SHALL MEET A 2HR RATING IN ALL CASES. SEALANT COLOR SHALL MATCH THE EXISTING SURFACES AS CLOSELY AS POSSIBLE.
4. FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
5. THE EXISTING FIRE ALARM SYSTEM EQUIPMENT REFERENCED ON THIS PLAN ARE SCHEDULED TO BE REPLACED AS PART OF THE PROJECT SCOPE.
6. EXISTING FIRE ALARM RACEWAYS AND WIRING TO BE REUSED UNLESS OTHERWISE NOTED. (TYPICAL)
7. THE NEW FIRE ALARM SYSTEM SHALL BE CONFIGURED AND INSTALLED AS A PROPRIETARY FIRE ALARM SYSTEM AS DEFINED BY NFPA WITH ALL ALARMS ANNUNCIATING AND RECORDED ON THE MAIN FACP IN SEC/MDF ROOM A101.
8. FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL NOTIFICATION APPLIANCE CIRCUITS.
9. FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS SHALL DISPLAY THE LOCAL FIRE ALARM CONTROL PANEL (FACP-7/8) IN SEC ROOM C112. THE MAIN FACP-B IN SEC/MDF ROOM A101, THE FIRE ALARM ANNUNCIATOR (FAA) AND FIRE MANAGEMENT SYSTEM (FMS) IN MASTER CONTROL ROOM 133. ALARMS SHALL BE RESET FROM THE MAIN FACP-B AND FAA AND FMS WORKSTATION ONLY. PROVIDE A LIST OF ALARM TEXT NAME FOR REVIEW AND APPROVAL FROM THE FACILITY.
10. ALL INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES FOR THIS PROJECT ARE NEW AND SHALL BE MONITORED AND CONTROLLED BY BUILDING'S NEW ADDRESSABLE FIRE ALARM SYSTEM.
11. FAC TO REMOVE AND REPLACE ALL EXISTING INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES. EXAMPLES: SMOKE, HEAT, BEAM, AND DUCT DETECTORS, I/O MODULES, AUXILIARY RELAYS, PULL STATIONS, STROBES, COMBINATION HORN STROBES, AND ANY ADDRESSABLE DEVICE.
12. EXISTING "WG" DETECTOR / AV PROTECTIVE GUARDS SHALL BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. ATTACH WITH SECURITY SCREWS.
13. EXISTING HVAC PROGRAMMING FUNCTIONS AND SMOKE CONTROL OPERATIONAL INTERFACES CONNECTED TO THE EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND INCORPORATED INTO THE NEW FIRE ALARM SYSTEM.
14. REPLACE ALL RELAYS CONTROL AND MONITORING MODULES REQUIRED TO PERFORM SMOKE CONTROL. RECONNECT THE EXISTING WIRING TO THE NEW FIRE ALARM SYSTEM.
15. FAC SHALL REPLACE THE EXISTING DUCT SMOKE DETECTOR AND CONTROL RELAY OUTPUT MODULE TO SHUTDOWN THE ROOFTOP UNIT (RTU).
16. FURNISH AND INSTALL ADDRESSABLE INITIATING DEVICE AS INDICATED ON PLANS. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
17. FURNISH AND INSTALL A AUDIBLE/VISUAL OR VISUAL ONLY NOTIFICATION APPLIANCE AS INDICATED. ADJUST THE CANDLEA RATINGS AS REQUIRED BY NFPA 72 FOR COMPLETE COVERAGE. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
18. FAC TO FURNISH AND INSTALL CONDUIT, WIRING, AND CONNECT THE NEW DEVICE TO THE EXISTING SLC OR NAC CIRCUITRY OR ROUTE TO THE NEAREST FACP.
19. EXTEND NEW CONDUIT, J-BOX, AND WIRING FROM THE EXISTING J-BOX TO RELOCATE THE NEW FIRE ALARM DEVICE AS INDICATED ON THE PLANS. PROVIDE A 4" STEEL BLANK COVER PLATE AND ATTACH TO THE EXISTING J-BOX WITH SECURITY PIN-TORX TYPE SCREWS. SEAL THE PERIMETER OF THE COVER PLATE.
20. FURNISH AND INSTALL (1) NEW 20AMP, 120VAC BRANCH POWER CIRCUIT FROM THE EMERGENCY POWER PANEL (EL4/52) FOR THE FACP. PROVIDE NEW BRANCH CIRCUIT BREAKER, BREAKER LOCK, AND LABEL "FACP."

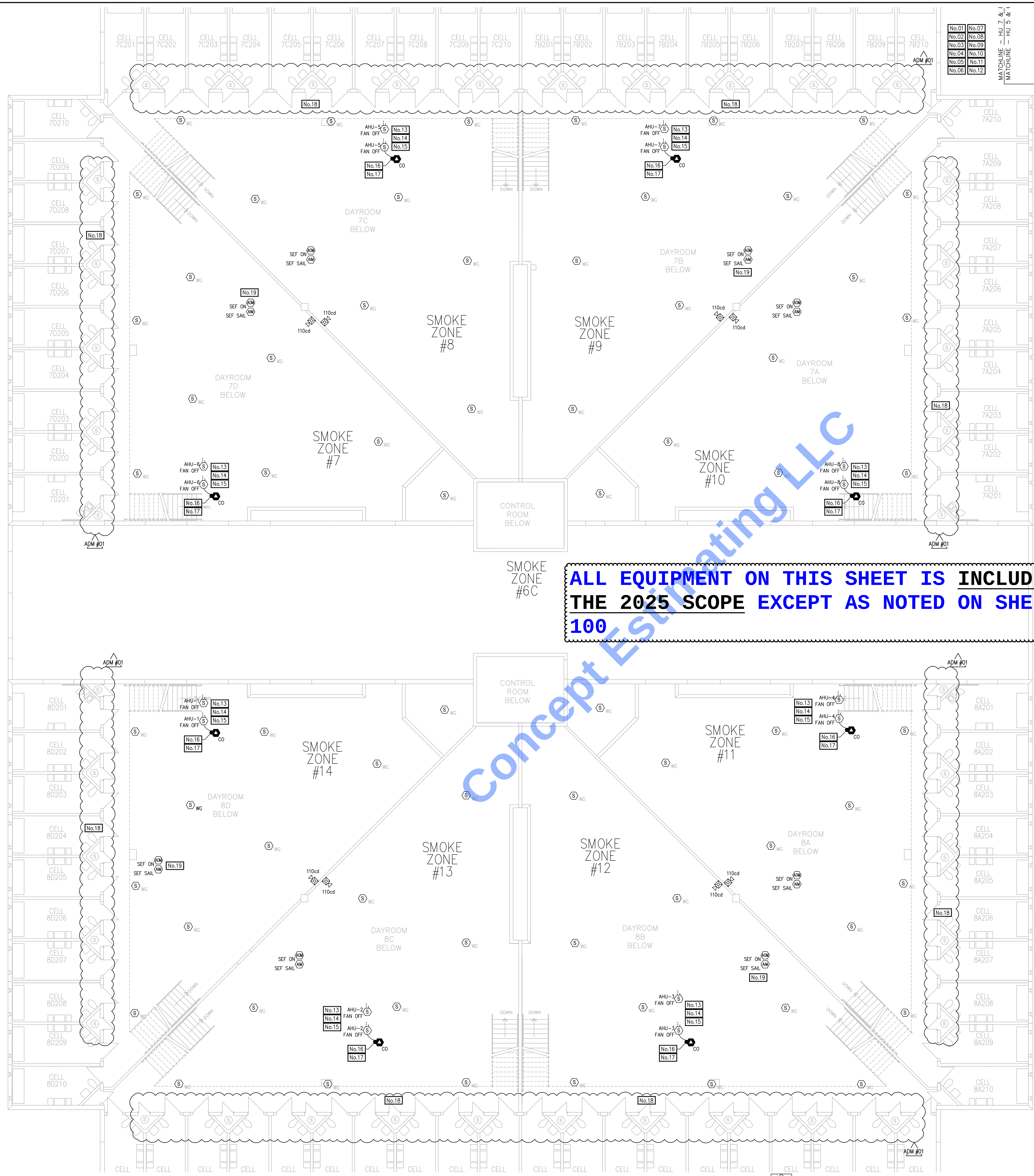
KEY PLAN



FIRE ALARM PLAN, FIRST LEVEL - HOUSING UNIT 7 & 8

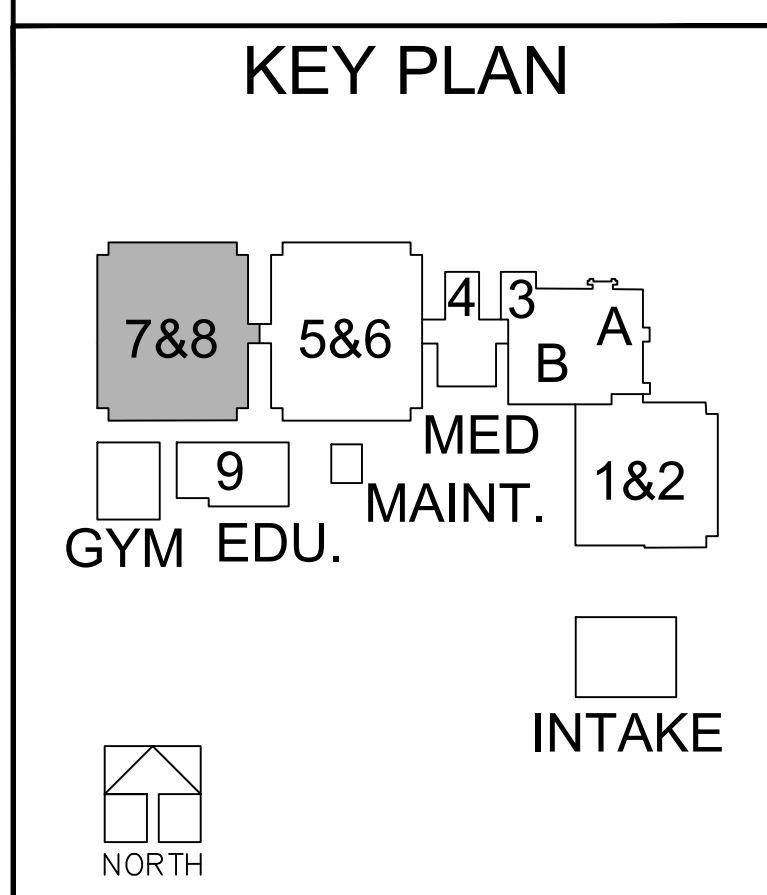
FIRE ALARM PLAN, FIRST LEVEL - HOUSING UNIT 7 & 8
FIRE ALARM SYSTEM REPLACEMENT
TORRANCE COUNTY DETENTION FACILITY, ESTANCIA, NM

FA1.08
AUGUST 23, 2024



ALL EQUIPMENT ON THIS SHEET IS INCLUDED IN THE 2025 SCOPE EXCEPT AS NOTED ON SHEET FA 100

- ### LEGEND NOTES
- REFER TO GENERAL NOTES ON SHEET FA0.01 AND INCORPORATE AS APPLICABLE.
 - EXISTING DEVICES AND CONDITIONS INDICATED HERE WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE SURVEYS. ALL INFORMATION IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DEVICE LOCATIONS AND CONDITIONS.
 - FAC SHALL FIREPROOF ALL PENETRATIONS CREATED FOR THIS PROJECT. PENETRATIONS THROUGH RATED FLOORS, CEILINGS, AND WALLS SHALL BE PROPERLY SEALED AND SLEEVED TO MAINTAIN THE EXISTING FIRE-RESISTANT RATING. WHERE RATING IS UNKNOWN FIREPROOFING SHALL MEET A 2HR RATING IN ALL CASES. SEALANT COLOR SHALL MATCH THE EXISTING SURFACES AS CLOSELY AS POSSIBLE.
 - FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
 - THE EXISTING FIRE ALARM SYSTEM EQUIPMENT REFERENCED ON THIS PLAN ARE SCHEDULED TO BE REPLACED AS PART OF THE PROJECT SCOPE.
 - EXISTING FIRE ALARM RACEWAYS AND WIRING TO BE REUSED UNLESS OTHERWISE NOTED. (TYPICAL)
 - THE NEW FIRE ALARM SYSTEM SHALL BE CONFIGURED AND INSTALLED AS A PROPRIETARY FIRE ALARM SYSTEM AS DEFINED BY NFPA WITH ALL ALARMS ANNUNCIATING AND RECORDED ON THE MAIN FACP IN SEC/MDF ROOM A101.
 - FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL NOTIFICATION APPLIANCE CIRCUITS.
 - FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS SHALL DISPLAY THE LOCAL FIRE ALARM CONTROL PANEL (FACP.7/8) IN SEC ROOM C112, THE MAIN FACP.B IN SEC/MDF ROOM A101, THE FIRE ALARM ANNUNCIATOR (FAA) AND FIRE MANAGEMENT SYSTEM (FMS) IN MASTER CONTROL ROOM 133. ALARMS SHALL BE RESET FROM THE MAIN FACP.B AND FAA AND FMS WORKSTATION ONLY. PROVIDE A LIST OF ALARM TEXT NAME FOR REVIEW AND APPROVAL FROM THE FACILITY.
 - ALL INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES FOR THIS PROJECT ARE NEW AND SHALL BE MONITORED AND CONTROLLED BY BUILDING'S NEW ADDRESSABLE FIRE ALARM SYSTEM.
 - FAC TO REMOVE AND REPLACE ALL EXISTING INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES. EXAMPLES: SMOKE, HEAT, BEAM, AND DUCT DETECTORS, I/O MODULES, AUXILIARY RELAYS, PULL STATIONS, STROBES, COMBINATION HORN STROBES, AND ANY ADDRESSABLE DEVICE.
 - EXISTING "WG" DETECTOR / AV PROTECTIVE GUARDS SHALL BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. ATTACH WITH SECURITY SCREWS.
 - EXISTING HVAC PROGRAMMING FUNCTIONS AND SMOKE CONTROL OPERATIONAL INTERFACES CONNECTED TO THE EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND INCORPORATED INTO THE NEW FIRE ALARM SYSTEM.
 - REPLACE ALL RELAYS CONTROL AND MONITORING MODULES REQUIRED TO PERFORM SMOKE CONTROL. RECONNECT THE EXISTING WIRING TO THE NEW FIRE ALARM SYSTEM.
 - FAC SHALL REPLACE THE EXISTING DUCT SMOKE DETECTOR AND CONTROL RELAY OUTPUT MODULE TO SHUTDOWN THE ROOFTOP UNIT (RTU).
 - FURNISH AND INSTALL ADDRESSABLE INITIATING DEVICE AS INDICATED ON PLANS. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
 - FAC TO FURNISH AND INSTALL CONDUIT, WIRING, AND CONNECT THE NEW DEVICE TO THE EXISTING SLC OR NAC CIRCUITRY OR ROUTE TO THE NEAREST FACP.
 - FAC SHALL REMOVE THE EXISTING SMOKE DETECTOR LOCATED IN UTILITY SPACE AT EACH PLUMBING CELL CHASE. REMOVE ALL WIRING BACK TO SOURCE. PROVIDE BLANK COVERPLATE SECURED WITH SCREWS AT EACH PULLBOX LOCATION WHERE DEVICE WAS REMOVED.
 - FAC SHALL REPLACE ALL RELAY CONTROL AND MONITORING MODULES USED FOR SMOKE EXHAUST FANS (SEF).



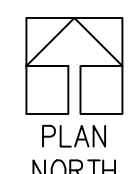
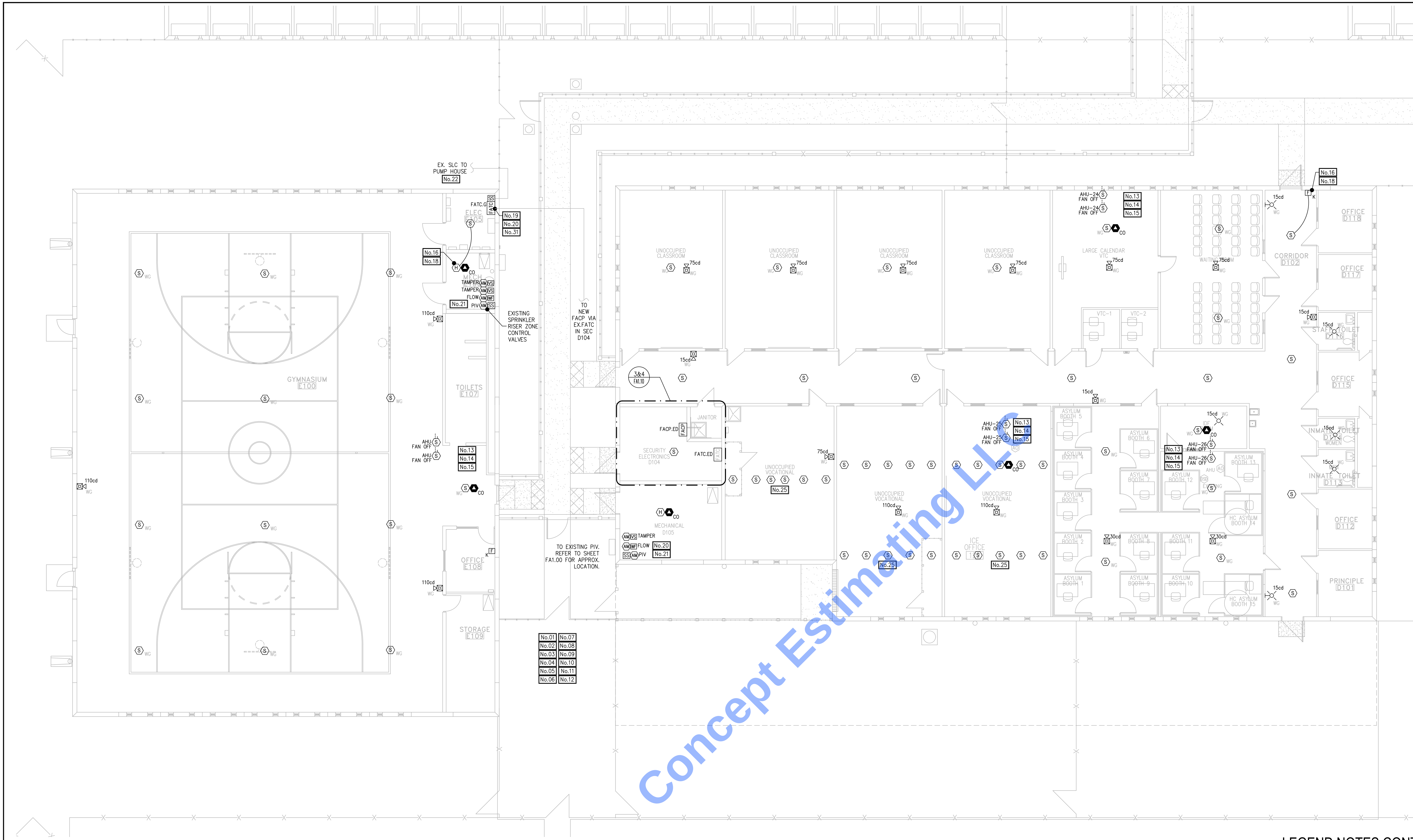
FIRE ALARM PLAN, UPPER CELL TIER - HOUSING UNIT 7 & 8
FIRE ALARM SYSTEM REPLACEMENT
TORRANCE COUNTY DETENTION FACILITY, ESTANCIA, NM

FA1.09
AUGUST 23, 2024

Attachment No. FA04
to ADM No. 1
dated 26 September 2024

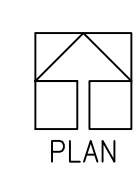
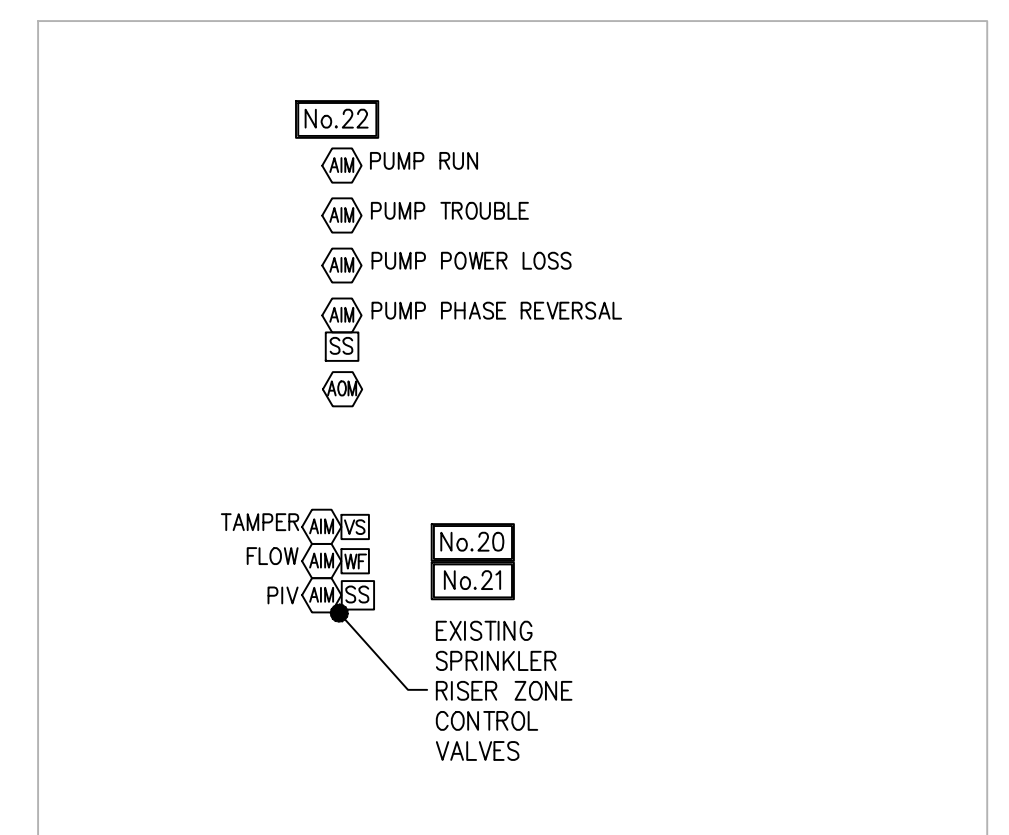
SYSTEMS DESIGN
R&N
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CoreCivic



FIRE ALARM PLAN, FIRST LEVEL - GYM AND EDUCATION BUILDING

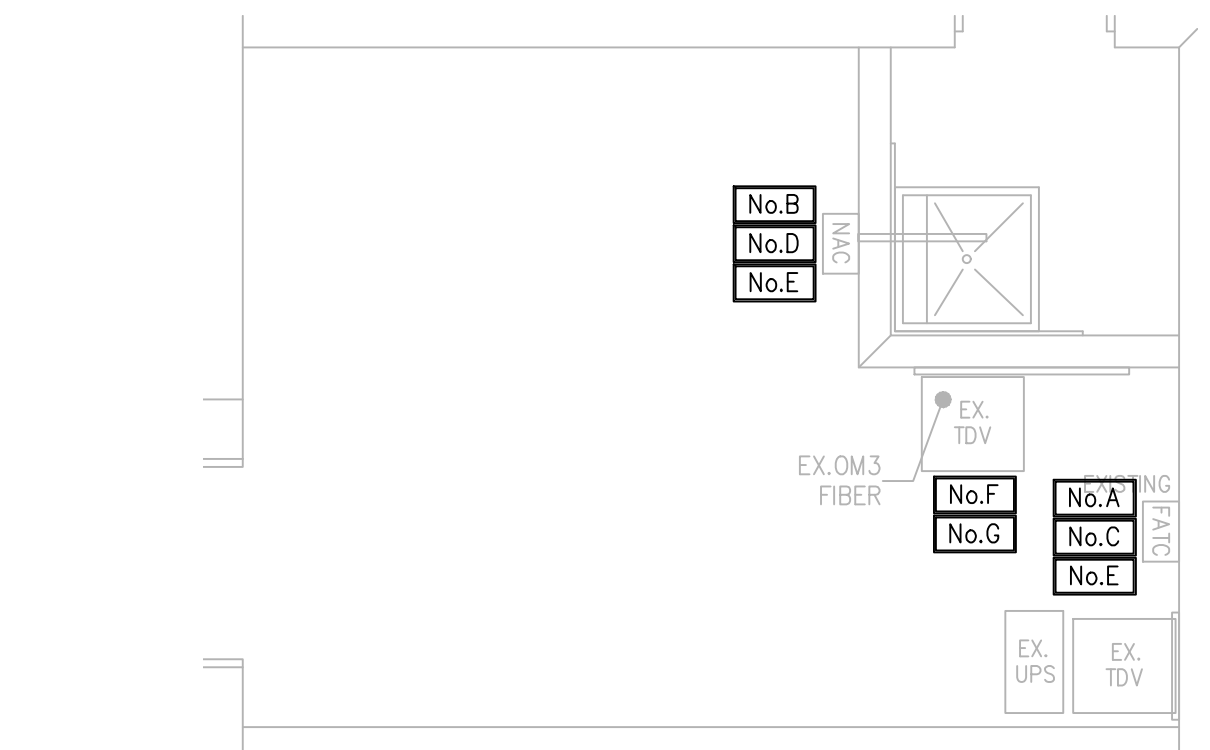
SCALE: 1/8" = 1'-0"



FIRE ALARM PLAN, FIRST LEVEL - PUMP HOUSE (OUTSIDE SECURE PERIMETER)

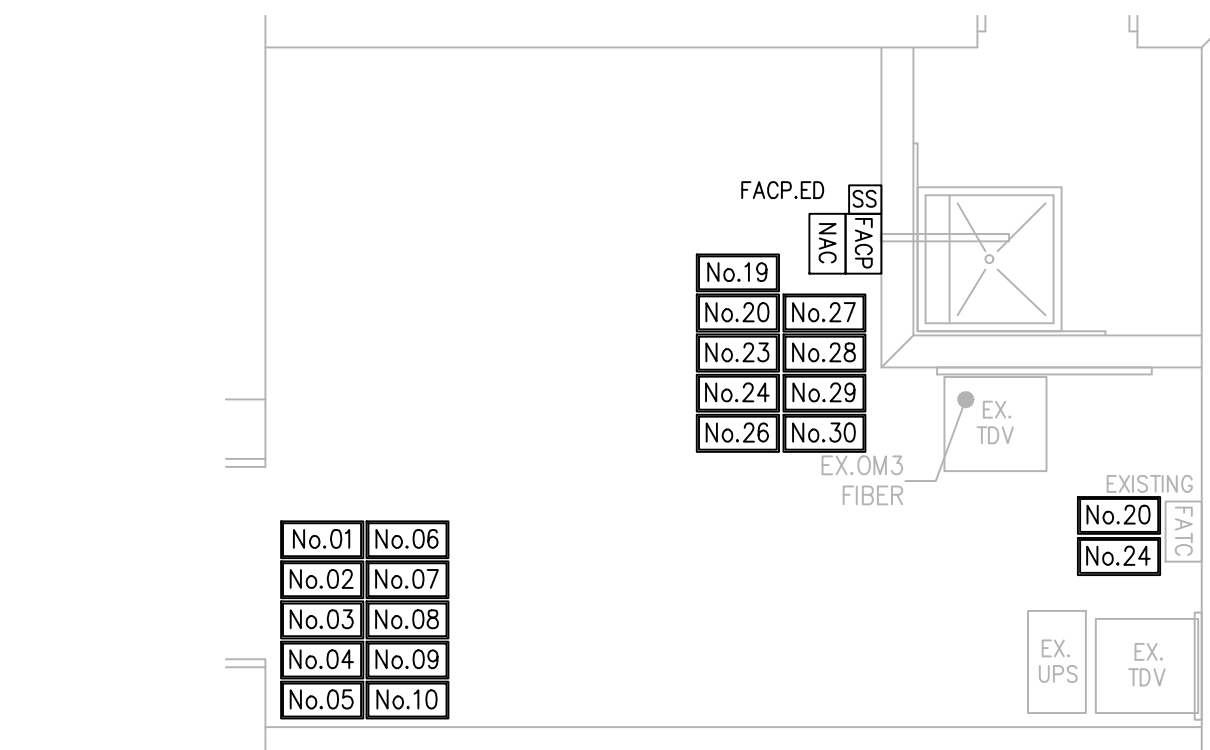
SCALE: 1/8" = 1'-0"

ALL EQUIPMENT ON THIS SHEET IS INCLUDED IN THE 2025 SCOPE EXCEPT AS NOTED ON SHEET FA 100



DEMO EQUIPMENT LAYOUT SECURITY ELECTRONICS ROOM D104

SCALE: 1/4" = 1'-0"



NEW EQUIPMENT LAYOUT SECURITY ELECTRONICS ROOM D104

SCALE: 1/4" = 1'-0"

LEGEND NOTES CONT'D

30. TERMINATE FIBER OPTIC CABLE AT BOTH ENDS OF ASSOCIATED LIU/FIBER PATCH PANEL. TEST ALL FIBER IN ACCORDANCE WITH THE SPECIFICATIONS BEFORE PLACING IT INTO SERVICE.
31. FAC TO REPLACE ALL SLC AND NAC CIRCUIT SCREW TERMINALS, NAC POWER SUPPLIES, (SS/SPD) DEVICES, AND ASSOCIATED FIRE ALARM COMPONENTS. REMOVE EXISTING FIRE ALARM ENCLOSURE.

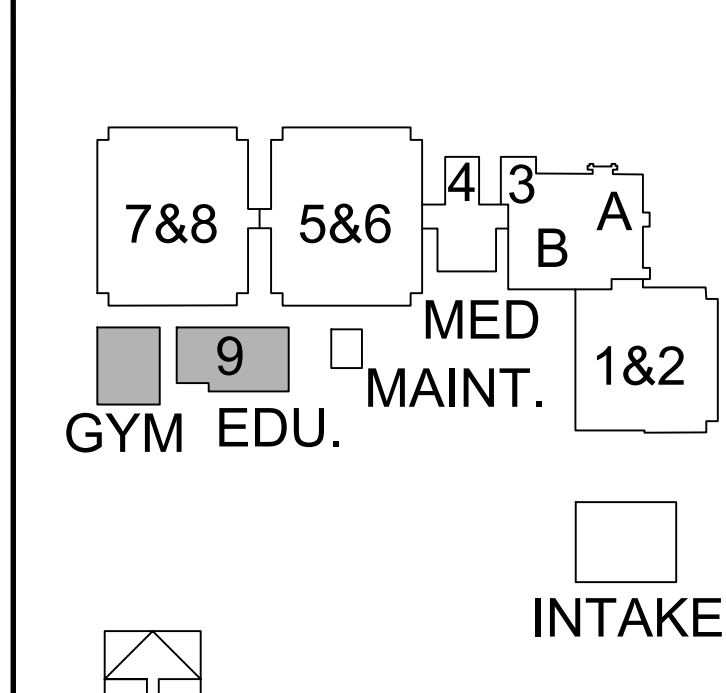
LEGEND NOTES DEMOLITION NOTES

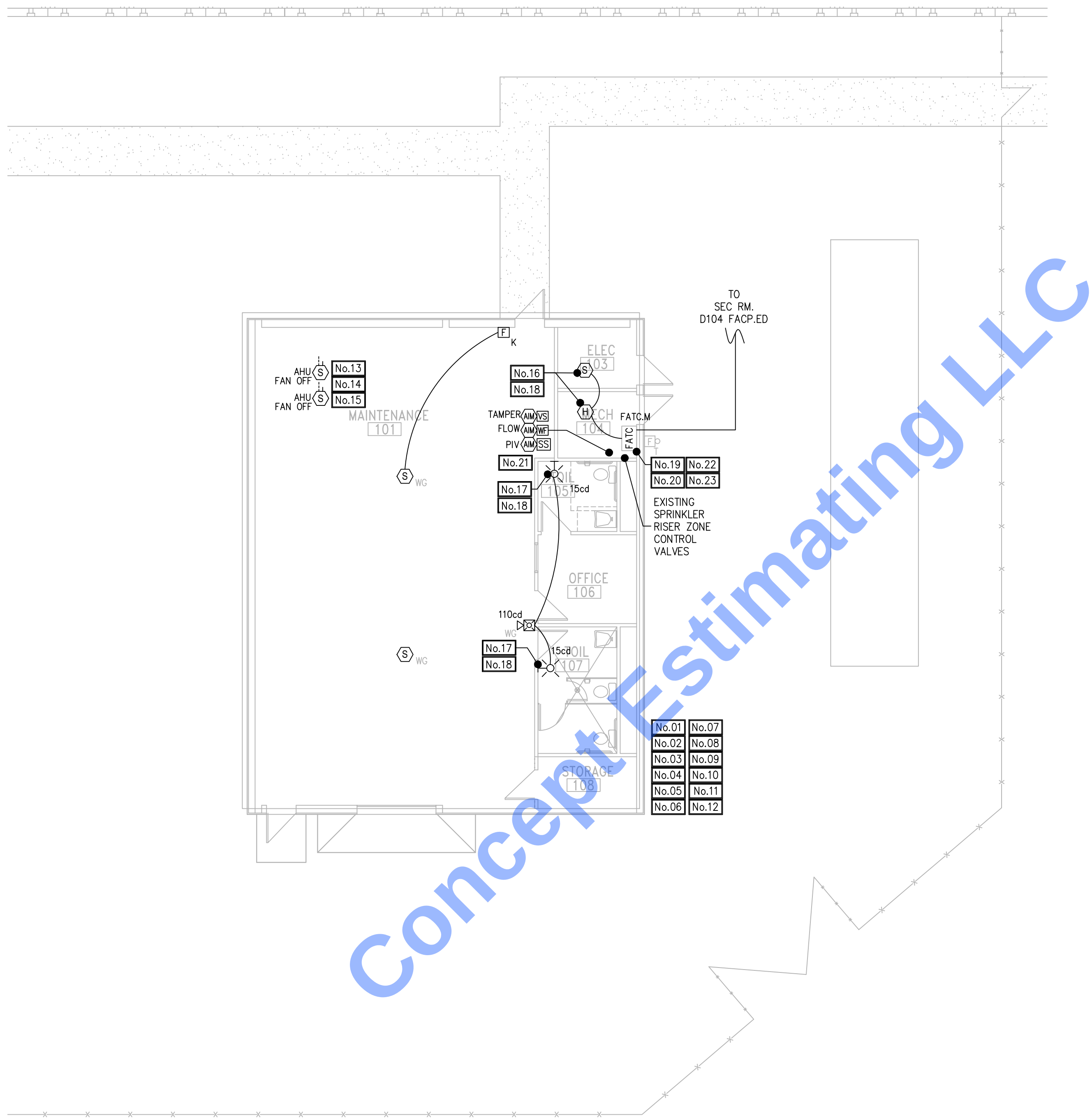
- A. EXISTING FIRE ALARM SYSTEM CONDUIT, SLC AND NAC CABLES TO REMAIN AND BE USED TO CONNECT TO THE NEW FIRE ALARM SYSTEM.
- B. EXISTING POWER CIRCUIT USED FOR THE EXISTING FIRE ALARM SYSTEM TO REMAIN. VERIFY THE EXISTING EMERGENCY PANEL AND BRANCH POWER CIRCUIT USED FOR THE FIRE ALARM SYSTEM. REPLACE THE EXISTING BRANCH CIRCUIT BREAKER LOCK AND LABEL AS "FACP".
- C. REMOVE EXISTING SLC AND NAC CIRCUIT TERMINALS, TWIST-ON CONNECTORS ATTACHING FIRE ALARM WIRING, POWER SUPPLIES, SURGE PROTECTION DEVICES (SPD), AND ASSOCIATED COMPONENTS. EXISTING CABLES TO REMAIN AND BE REUSED UNLESS OTHERWISE NOTED.
- D. REPLACE THE REMOTE AUXILIARY BOOSTER POWER SUPPLY (NAC), BACKUP BATTERIES AND ASSOCIATED COMPONENTS.
- E. REPLACE THE EXISTING SURGE PROTECTION DEVICE (SPD) AND SURGE SUPPRESSION DEVICES (SS) USED FOR THE FIRE ALARM SYSTEM.
- F. EXISTING RACKS, CABINETS, AND EQUIPMENT BY OTHERS SHALL REMAIN.
- G. EXISTING LIU/FIBER PATCH PANEL TO REMAIN AND BE USED FOR THE NEW FIRE ALARM SYSTEM.
- H. EXISTING FIBER PATCH CABLES TO BE REMOVED UNLESS OTHERWISE NOTED.

LEGEND NOTES

1. REFER TO GENERAL NOTES ON SHEET FA0.01 AND INCORPORATE AS APPLICABLE.
2. EXISTING DEVICES AND CONDITIONS INDICATED HERE WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE SURVEYS. ALL INFORMATION IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DEVICE LOCATIONS AND CONDITIONS.
3. FAC SHALL FIREPROOF ALL PENETRATIONS CREATED FOR THIS PROJECT. PENETRATIONS THROUGH RATED FLOORS, CEILINGS, AND WALLS SHALL BE PROPERLY SEALED AND SLEEVED TO MAINTAIN THE EXISTING FIRE-RESISTANT RATING. WHERE RATING IS UNKNOWN FIREPROOFING SHALL MEET A 2HR RATING IN ALL CASES. SEALANT COLOR SHALL MATCH THE EXISTING SURFACES AS CLOSELY AS POSSIBLE.
4. FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
5. THE EXISTING FIRE ALARM SYSTEM EQUIPMENT REFERENCED ON THIS PLAN ARE SCHEDULED TO BE REPLACED AS PART OF THE PROJECT SCOPE.
6. EXISTING FIRE ALARM RACEWAYS AND WIRING TO BE REUSED UNLESS OTHERWISE NOTED. (TYPICAL)
7. THE NEW FIRE ALARM SYSTEM SHALL BE CONFIGURED AND INSTALLED AS A PROPRIETARY FIRE ALARM SYSTEM AS DEFINED BY NFPA WITH ALL ALARMS ANNUNCIATING AND RECORDED ON THE MAIN FACP IN SECURITY ELECTRONICS ROOM A1093.
8. FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL NOTIFICATION APPLIANCE CIRCUITS.
9. FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS SHALL DISPLAY ON THE LOCAL FIRE ALARM CONTROL PANEL (FACP) IN SEC ROOM D104. THE MAIN FACP.B IN SEC/MDP ROOM A101, THE FIRE ALARM ANNUNCIATOR (FAA) AND FIRE MANAGEMENT SYSTEM (FMS) IN MASTER CONTROL ROOM 133. ALARMS SHALL BE RESET FROM THE MAIN FACP.B AND MAIN FAA AND FMS WORKSTATION ONLY. PROVIDE A LIST OF ALARM TEXT NAME FOR REVIEW AND APPROVAL FROM THE FACILITY.
10. ALL INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES FOR THIS PROJECT ARE NEW AND SHALL BE MONITORED AND CONTROLLED BY BUILDING'S NEW ADDRESSABLE FIRE ALARM SYSTEM.
11. FAC TO REMOVE AND REPLACE ALL EXISTING INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES. EXAMPLES: SMOKE, HEAT, BEAM, AND DUCT DETECTORS, I/O MODULES, AUXILIARY RELAYS, PULL STATIONS, STROBES, COMBINATION HORN STROBES, AND ANY ADDRESSABLE DEVICE.
12. EXISTING "WG" DETECTOR / AV PROTECTIVE GUARDS SHALL BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. ATTACH WITH SECURITY SCREWS.
13. EXISTING HVAC PROGRAMMING FUNCTIONS AND SMOKE CONTROL OPERATIONAL INTERFACES CONNECTED TO THE EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND INCORPORATED INTO THE NEW FIRE ALARM SYSTEM.
14. REPLACE ALL RELAYS CONTROL AND MONITORING MODULES REQUIRED TO PERFORM SMOKE CONTROL. RECONNECT THE EXISTING WIRING TO THE NEW FIRE ALARM SYSTEM.
15. FAC SHALL REPLACE THE EXISTING DUCT SMOKE DETECTOR AND CONTROL RELAY OUTPUT MODULE TO SHUTDOWN THE ROOFTOP UNIT (RTU).
16. FURNISH AND INSTALL ADDRESSABLE INITIATING DEVICE AS INDICATED ON PLANS. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
17. FURNISH AND INSTALL A AUDIBLE/VISUAL OR VISUAL ONLY NOTIFICATION APPLIANCE AS INDICATED. ADJUST THE CANDELA RATINGS AS REQUIRED BY NFPA 72 FOR COMPLETE COVERAGE. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
18. FAC TO FURNISH AND INSTALL CONDUIT, WIRING, AND CONNECT THE NEW DEVICE TO THE EXISTING SLC OR NAC CIRCUITRY OR ROUTE TO THE NEAREST FACP.
19. FURNISH AND INSTALL REMOTE AUXILIARY POWER EXPANDER UNIT (NAC), BACKUP BATTERIES, AND ASSOCIATED COMPONENTS. UTILIZE EXISTING FIRE ALARM POWER SOURCE FOR THE NEW FACP AT THIS LOCATION AND RECONNECT ALL FIRE ALARM WIRING TO THE NEW SYSTEM. PROVIDE NACS AS REQUIRED. PROVIDE NEW CIRCUIT BREAKER LOCK AND LABEL "FACP" AS REQUIRED.
20. PROVIDE NEW (SS AND SPD) DEVICES AND GROUND WIRING FOR ALL FIRE ALARM WIRING THAT ENTERS AND/OR LEAVES THE BUILDING. CONNECT TO THE NEAREST EQUIPMENT GROUNDING BAR OR CONDUCTOR.
21. FAC SHALL REPLACE THE EXISTING MODULES TO MONITOR THE SPRINKLER CONTROL ZONE VALVES, PIV, FLOW AND TAMPER SWITCHES.
22. FAC SHALL REPLACE THE EXISTING MODULES TO MONITOR THE FIRE PUMP DEVICES AT THE PUMP HOUSE.
23. FURNISH AND INSTALL NEW FIRE ALARM WIRING TO TIE IN THE MAINTENANCE BUILDING SLC AND NAC CIRCUITS TO THE NEW FACP. TEST ALL NEW WIRING AT BOTH END BEFORE PLACING INTO SERVICE. REFER TO SHEET FA4.01 FOR ADDITIONAL INFORMATION.
24. FAC SHALL EXTEND THE EXISTING FIRE ALARM CIRCUIT WIRING FROM THE EXISTING CABINET (FACP) TO THE NEW FACP. PROVIDE NEW SET SCREW TERMINALS TO SPLICE CABLES BEING EXTENDED TO THE NEW FACP.
25. CEILING STRUCTURE IN THIS AREA IS A "DOUBLE T" ASSEMBLY.
26. ALL COMMUNICATIONS BETWEEN FIRE ALARM PANELS SHALL BE OVER THE EXISTING FIBER OPTIC CABLE NETWORK. REFER TO FIBER RISER ON SHEET FA4.01.
27. FURNISH AND INSTALL A FIRE ALARM CONTROL PANEL (FACP), BACKUP BATTERIES, AND ASSOCIATED COMPONENTS. UTILIZE THE EXISTING FIRE ALARM POWER SOURCE. PROVIDE A FIRE ALARM CIRCUIT BREAKER LOCK AND LABEL "FACP" AS REQUIRED.
28. UTILIZE (4) FOUR EXISTING STRANDS OF OM3 (MM) FIBER OPTIC CABLE FOR THE FIRE ALARM SYSTEM. REFER TO FIRE ALARM FIBER RISER DIAGRAM ON SHEET FA4.01 FOR ADDITIONAL INFORMATION.
29. FURNISH AND AND INSTALL NEW FACTORY MANUFACTURED (MM) DUPLEX FIBER PATCH CABLES WITH ST-STYLE CONNECTORS BETWEEN THE EXISTING RACK MOUNTED LIU AND FACP.

KEY PLAN





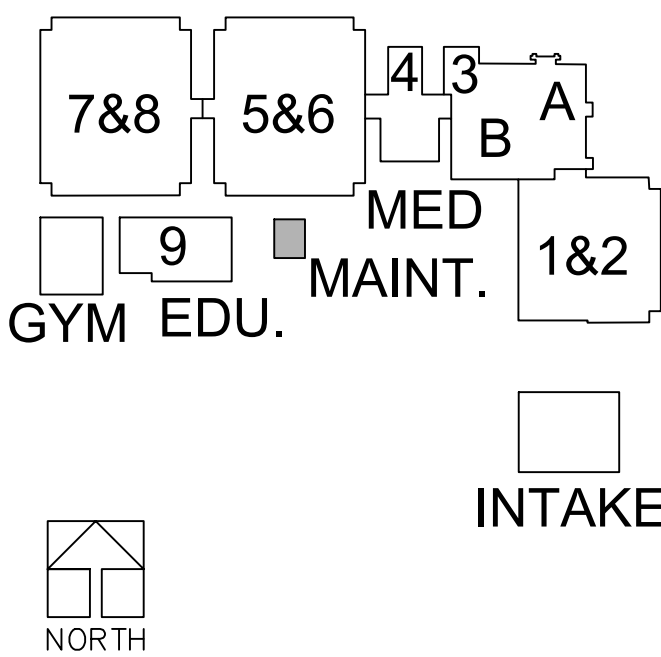
FIRE ALARM PLAN, FIRST LEVEL - MAINTENANCE BUILDING

SCALE: 1/8" = 1'-0"

LEGEND NOTES

1. REFER TO GENERAL NOTES ON SHEET FA0.01 AND INCORPORATE AS APPLICABLE.
2. EXISTING DEVICES AND CONDITIONS INDICATED HERE WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE SURVEYS. ALL INFORMATION IS BELIEVED TO BE CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DEVICE LOCATIONS AND CONDITIONS.
3. FAC SHALL FIREPROOF ALL PENETRATIONS CREATED FOR THIS PROJECT. PENETRATIONS THROUGH RATED FLOORS, CEILINGS, AND WALLS SHALL BE PROPERLY SEALED AND SLEEVED TO MAINTAIN THE EXISTING FIRE-RESISTANT RATING. WHERE RATING IS UNKNOWN FIREPROOFING SHALL MEET A 2HR RATING IN ALL CASES. SEALANT COLOR SHALL MATCH THE EXISTING SURFACES AS CLOSELY AS POSSIBLE.
4. FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
5. THE EXISTING FIRE ALARM SYSTEM EQUIPMENT REFERENCED ON THIS PLAN ARE SCHEDULED TO BE REPLACED AS PART OF THE PROJECT SCOPE.
6. EXISTING FIRE ALARM RACEWAYS AND WIRING TO BE REUSED UNLESS OTHERWISE NOTED. (TYPICAL)
7. THE NEW FIRE ALARM SYSTEM SHALL BE CONFIGURED AND INSTALLED AS A PROPRIETARY FIRE ALARM SYSTEM AS DEFINED BY NFPA WITH ALL ALARMS ANNUNCIATING AND RECORDED ON THE MAIN FACP IN SECURITY ELECTRONICS ROOM A103.
8. FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL NOTIFICATION APPLIANCE CIRCUITS
9. FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS SHALL DISPLAY ON THE LOCAL FIRE ALARM CONTROL PANEL (FACP) IN SEC ROOM D104. THE MAIN FACP B IN SEC/MDP ROOM A101. THE FIRE ALARM ANNUNCIATOR (FAA) AND FIRE MANAGEMENT SYSTEM (FMS) IN MASTER CONTROL ROOM 133. ALARMS SHALL BE RESET FROM THE MAIN FACP B AND FAA AND FMS WORKSTATION ONLY. PROVIDE A LIST OF ALARM TEXT NAME FOR REVIEW AND APPROVAL FROM THE FACILITY.
10. ALL INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES FOR THIS PROJECT ARE NEW AND SHALL BE MONITORED AND CONTROLLED BY BUILDING'S NEW ADDRESSABLE FIRE ALARM SYSTEM.
11. FAC TO REMOVE AND REPLACE ALL EXISTING INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES. EXAMPLES: SMOKE, HEAT, BEAM, AND DUCT DETECTORS, I/O MODULES, AUXILIARY RELAYS, PULL STATIONS, STROBES, COMBINATION HORN STROBES, AND ANY ADDRESSABLE DEVICE.
12. EXISTING "WG" DETECTOR / AV PROTECTIVE GUARDS SHALL BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. ATTACH WITH SECURITY SCREWS.
13. EXISTING HVAC PROGRAMMING FUNCTIONS AND SMOKE CONTROL OPERATIONAL INTERFACES CONNECTED TO THE EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND INCORPORATED INTO THE NEW FIRE ALARM SYSTEM.
14. REPLACE ALL RELAYS CONTROL AND MONITORING MODULES REQUIRED TO PERFORM SMOKE CONTROL. RECONNECT THE EXISTING WIRING TO THE NEW FIRE ALARM SYSTEM.
15. FAC SHALL REPLACE THE EXISTING DUCT SMOKE DETECTOR AND CONTROL RELAY OUTPUT MODULE TO SHUTDOWN THE ROOFTOP UNIT (RTU).
16. FURNISH AND INSTALL ADDRESSABLE INITIATING DEVICE AS INDICATED ON PLANS. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
17. FURNISH AND INSTALL A AUDIBLE/VISUAL OR VISUAL ONLY NOTIFICATION APPLIANCE AS INDICATED. ADJUST THE CANDELA RATINGS AS REQUIRED BY NFPA 72 FOR COMPLETE COVERAGE. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
18. FAC TO FURNISH AND INSTALL CONDUIT, WIRING, AND CONNECT THE NEW DEVICE TO THE EXISTING SLC OR NAC CIRCUITRY OR ROUTE TO THE NEAREST FACP.
19. FAC SHALL REPLACE THE EXISTING SLC AND NAC CIRCUIT SCREW TERMINALS ATTACHING FIRE ALARM WIRING, POWER SUPPLIES, SURGE PROTECTION DEVICES (SS), AND ASSOCIATED COMPONENTS. EXISTING CABINET TO REMAIN AND BE REUSED UNLESS OTHERWISE NOTED.
20. PROVIDE NEW SURGE PROTECTION DEVICES (SS) AND GROUND WIRING FOR ALL FIRE ALARM WIRING THAT ENTERS AND/OR LEAVES THE BUILDING. CONNECT TO THE NEAREST EQUIPMENT GROUNDING BAR OR CONDUCTOR.
21. FAC SHALL REPLACE THE EXISTING MODULES TO MONITOR THE SPRINKLER CONTROL ZONE VALVES, PIV, FLOW AND TAMPER SWITCHES.
22. FURNISH AND INSTALL NEW CONDUIT AND FIRE ALARM WIRING TO EXTEND THE MAINTENANCE BUILDING SLC AND NAC CIRCUITS TO THE NEW FACP IN THE EDUCATION BUILDING. ROUTE NEW CONDUIT AND CABLES BETWEEN THE MAINTENANCE BUILDING TERMINATION CABINET (FATC) AND EDUCATION BUILDINGS NEW FACP IN SECURITY ELECTRONICS ROOM D104.
23. TERMINATE AND TEST ALL FIRE ALARM WIRING AND CIRCUITRY AT BOTH ENDS BEFORE PLACING IT INTO SERVICE.

KEY PLAN



FIRE ALARM PLAN, FIRST LEVEL - MAINTENANCE BUILDING
FIRE ALARM SYSTEM REPLACEMENT
TORRANCE COUNTY DETENTION FACILITY, ESTANCIA, NM

FA1.11

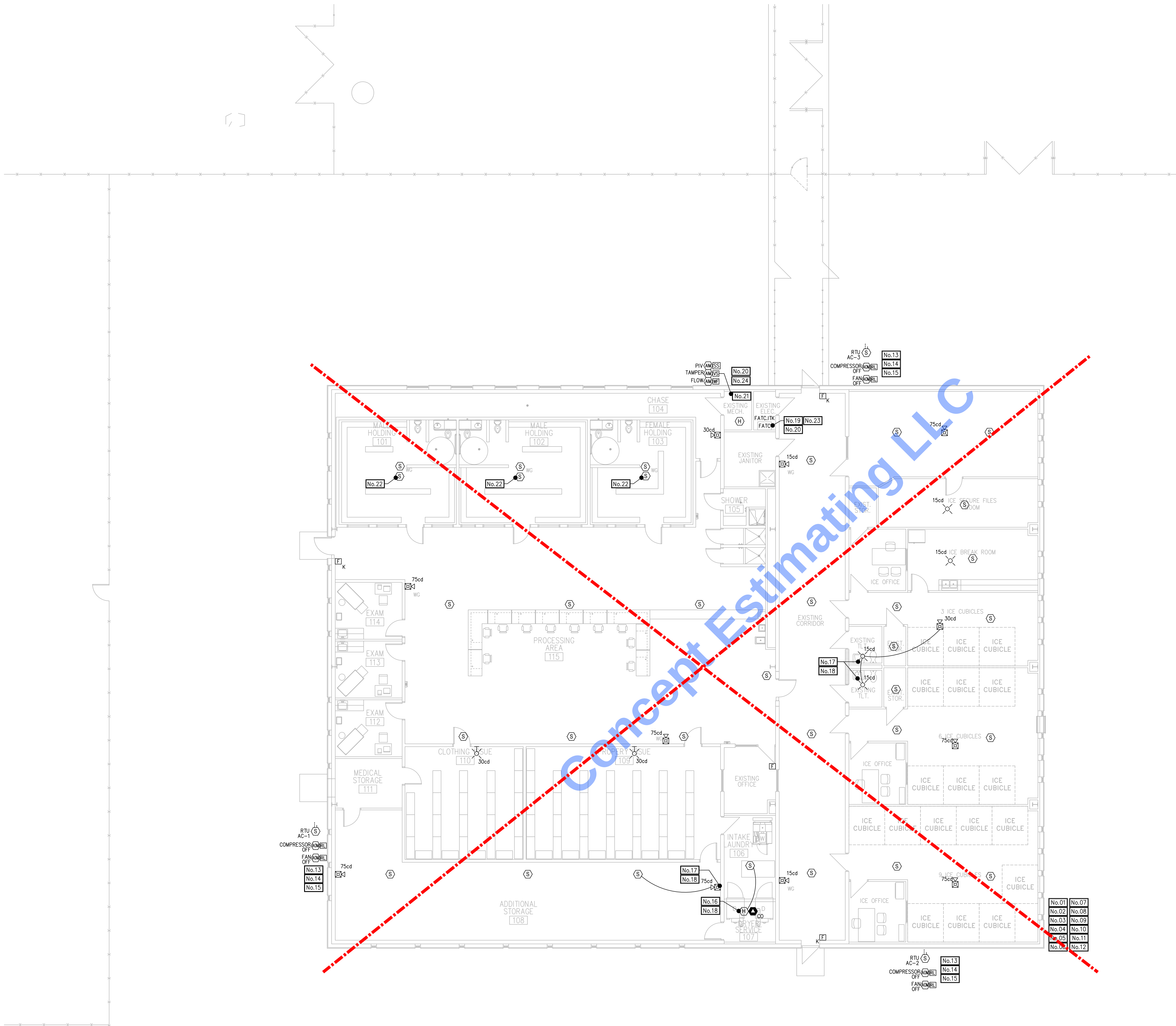
AUGUST 23, 2024

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www.rn-systemsdesign.com

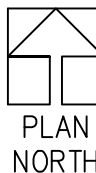
SYSTEMS
DESIGN
RN&D

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ALL EQUIPMENT ON THIS SHEET IS
EXCLUDED IN THE 2025 SCOPE EXCEPT
AS NOTED ON SHEET FA 100



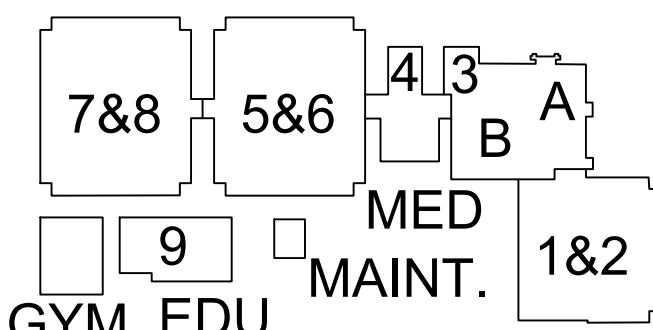
FIRE ALARM PLAN, FIRST LEVEL - INTAKE BUILDING

SCALE: 1/8" = 1'-0"

LEGEND NOTES

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4. FAC SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE CAUSED BY THE INSTALLATION OF THIS WORK. NOTIFY THE FACILITY MAINTENANCE STAFF IMMEDIATELY OF ANY DAMAGE.
5. THE EXISTING FIRE ALARM SYSTEM EQUIPMENT REFERENCED ON THIS PLAN ARE SCHEDULED TO BE REPLACED AS PART OF THE PROJECT SCOPE.
6. EXISTING FIRE ALARM RACEWAYS AND WIRING TO BE REUSED UNLESS OTHERWISE NOTED. (TYPICAL)
7. THE NEW FIRE ALARM SYSTEM SHALL BE CONFIGURED AND INSTALLED AS A PROPRIETARY FIRE ALARM SYSTEM AS DEFINED BY NFPA WITH ALL ALARMS ANNUNCIATING AND RECORDED ON THE MAIN FACP IN SECURITY ELECTRONICS ROOM A1093.
8. FIRE ALARM SYSTEM SHALL SYNCHRONIZE ALL NOTIFICATION APPLIANCE CIRCUITS.
9. FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS SHALL DISPLAY ON THE LOCAL FIRE ALARM CONTROL PANEL (FACP.A) IN SEC ROOM 137. THE MAIN FACP.B IN SEC ROOM A101. THE FIRE ALARM ANNUNCIATOR (FAA) AND FIRE ALARM FIRE MANAGEMENT SYSTEM (FMS) IN MASTER CONTROL ROOM 133. ALARMS SHALL BE RESET FROM THE LOCAL FACP.A, THE MAIN FMS SYSTEM, AND THE MAIN FACP.B ONLY. PROVIDE A LIST OF ALARM TEXT NAME FOR REVIEW AND APPROVAL FROM THE FACILITY.
10. ALL INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES FOR THIS PROJECT ARE NEW AND SHALL BE MONITORED AND CONTROLLED BY BUILDING'S NEW ADDRESSABLE FIRE ALARM SYSTEM.
11. FAC TO REMOVE AND REPLACE ALL EXISTING INITIATING DEVICES AND AUDIBLE NOTIFICATION APPLIANCES. EXAMPLES: SMOKE, HEAT, BEAM, AND DUCT DETECTORS, I/O MODULES, AUXILIARY RELAYS, PULL STATIONS, STROBES, COMBINATION HORN, STROBES, AND ANY ADDRESSABLE DEVICE.
12. EXISTING "WG" DETECTOR / AV PROTECTIVE GUARDS SHALL BE REMOVED AND REINSTALLED UNLESS OTHERWISE NOTED. ATTACH WITH SECURITY SCREWS.
13. EXISTING HVAC PROGRAMMING FUNCTIONS AND SMOKE CONTROL OPERATIONAL INTERFACES CONNECTED TO THE EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED AND INCORPORATED INTO THE NEW FIRE ALARM SYSTEM.
14. REPLACE ALL RELAYS CONTROL AND MONITORING MODULES REQUIRED TO PERFORM SMOKE CONTROL. RECONNECT THE EXISTING WIRING TO THE NEW FIRE ALARM SYSTEM.
15. FAC SHALL REPLACE THE EXISTING CONTROL RELAY MODULE IN EACH A.C. UNIT FOR TURNING THE UNIT FAN AND COMPRESSOR "OFF."
16. FURNISH AND INSTALL ADDRESSABLE INITIATING DEVICE AS INDICATED ON PLANS. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
17. FURNISH AND INSTALL A AUDIBLE/VISUAL OR VISUAL ONLY NOTIFICATION APPLIANCE AS INDICATED. ADJUST THE CANDELA RATINGS AS REQUIRED BY NFPA 72 FOR COMPLETE COVERAGE. PROVIDE A "WG" DETECTOR / AV PROTECTIVE GUARD WHERE NOTED.
18. FAC TO FURNISH AND INSTALL CONDUIT, WIRING, AND CONNECT THE NEW DEVICE TO THE EXISTING SLC OR NAC CIRCUITRY OR ROUTE TO THE NEAREST FACP.
19. FAC SHALL REPLACE ALL SLC AND NAC CIRCUIT TERMINALS, NAC POWER SUPPLIES, SURGE PROTECTION DEVICES (SS), ASSOCIATED FIRE ALARM COMPONENTS. THE EXISTING 120 VAC POWER SOURCE AND FIRE ALARM ENCLOSURE/CABINET TO BE REUSED.
20. PROVIDE NEW SURGE PROTECTION DEVICES (SS) AND GROUND WIRING FOR ALL FIRE ALARM WIRING THAT ENTERS AND/OR LEAVES THE BUILDING. CONNECT TO THE NEAREST EQUIPMENT GROUNDING BAR OR CONDUCTOR.
21. FAC SHALL REPLACE THE EXISTING MODULES TO MONITOR THE SPRINKLER CONTROL ZONE VALVES, PIV, FLOW AND TAMPER SWITCHES.
22. FAC SHALL REPLACE THE EXISTING SMOKE DETECTOR MOUNTED ON THE EXISTING ROOF STRUCTURE.
23. BASED ON AS-BUILT INFORMATION THE EXISTING FIRE ALARM WIRING IN THIS BUILDING ARE ROUTED TO FACP.A IN SEC ROOM 137 VIA FATCJTK IN THE ELEC. ROOM.
24. FAC SHALL REPAIR EXISTING FLEX CONDUIT CONNECTING TO THE FIRE SPRINKLER RISER FLOW AND TAMPER SWITCH(ES).

KEY PLAN



FIRE ALARM PLAN, FIRST LEVEL - INTAKE BUILDING
FIRE ALARM SYSTEM REPLACEMENT
TORRANCE COUNTY DETENTION FACILITY, ESTANCIA, NM

FA1.12

AUGUST 23, 2024

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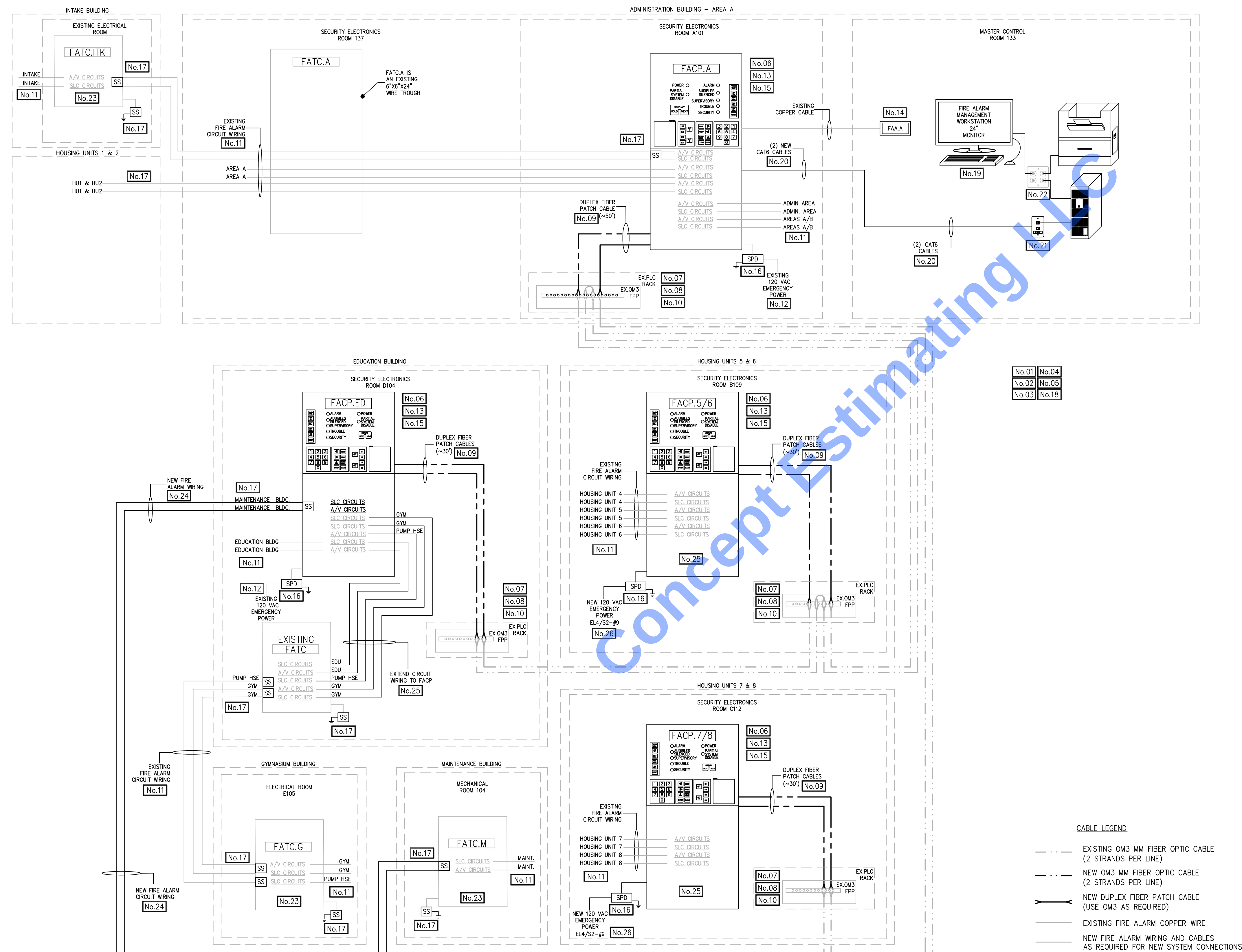
SYSTEMS
DESIGN

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ITEMS ON THESE DETAILS ARE AS APPLICIPABLE TO SCOPE DEFINED ON SHEET
FA 100



SHEET REISSUED IN ITS ENTIRETY.

ADM #01

LEGEND NOTES

1. REFER TO GENERAL NOTES ON SHEET FA-011
INCORPORATE AS APPLICABLE.
2. EXISTING EQUIPMENT AND CONDITIONS IDENTIFIED HERE
WERE GATHERED FROM AS-BUILT DOCUMENTS AND SITE
SURVEYS. ALL INFORMATION IS BELIEVED TO BE
CORRECT, BUT IS NOT GUARANTEED. THE CONTRACTOR
SHALL CONFIRM ALL EXISTING EQUIPMENT LOCATIONS
AND CONDITIONS AS SHOWN IN HALF-TONE UNLESS
OTHERWISE NOTED.
3. THE OWNER SHALL HAVE FIRST RIGHT OF SALVAGE FOR
ALL REMOVED USED EQUIPMENT. CONTRACTOR SHALL
DISPOSE OF ALL EQUIPMENT NOT SALVAGED BY THE
OWNER.
4. THE FAC SHALL BE RESPONSIBLE FOR VERIFYING THE
FIBER CORD USED FOR THE FIRE ALARM SYSTEM.
CONTRACTOR SHALL RECORD THE MAKE, MODEL, CABLE
COLOR, STRAND QUANTITY, AND DESIGNATED
TERMINATIONS. LABEL ALL FIBER IN ACCORDANCE WITH
THE CONSTRUCTION DOCUMENTS.
5. EXISTING EQUIPMENT, WIRING AND CABLES SHOWN AS
HIGH-TENSION SHALL NOT BE REUSED. NEW FIRE
ALARM EQUIPMENT IS SHOWN IN BOLD.
6. FIRE ALARM SYSTEM NOTIFICATIONS AND STATUS ALARMS
SHALL DISPLAY THE MAIN FAC-B IN SEC/DORM ROOM
101. THE FIRE ALARM ANNUNCIATOR (FAA) AND FIRE
PANEL (FAP) SHALL BE INSTALLED IN SEC/DORM ROOM
103. ALARMS SHALL BE RESET FROM THE MAIN FAC-B
AND FAP. FAP AND FMS WORKSTATION ONLY. PROVIDE A LIST
OF ALL TEXT NAME FOR REVIEW AND APPROVAL FROM
THE FACILITY.
7. ALL COMMUNICATIONS BETWEEN THE FIRE ALARM PANELS
SHALL BE OVER THE EXISTING OM3 MULTI-MODE FIBER
OPTIC CABLE NETWORK. UTILIZE EXISTING STRANDS OF
FIBER OPTIC CABLE FOR FIRE ALARM SYSTEM.
8. EXISTING FIBER PATCH PANELS (LUI) TO REMAIN AND BE
USED FOR THE FIRE ALARM SYSTEM.
9. FURNISH AND INSTALL NEW FACTORY MANUFACTURED
(MM) DUPLEX FIBER PATCH CABLES WITH ST-YL
COLOR CODES. OM3 REQUIRED. PROVIDE CABLE
LENGTHS AS REQUIRED IN ALL CASES.
10. TERMINATE AND TEST THE EXISTING FIBER SCHEDULED
FOR USE BY THE FIRE ALARM SYSTEM AT BOTH ENDS
BEFORE PLACING INTO SERVICE.
11. EXISTING SLC AND NAC WIRING SHALL REMAIN AND
CONNECT TO THE NEW FIRE ALARM SYSTEM.
12. UTILIZE THE EXISTING 120VAC EMERGENCY POWER
BRANCH CIRCUIT FOR THE FIRE ALARM EQUIPMENT BEING
REPLACED. WIRING SHALL BE IN A NEW BREAKER LOCK
AND LABEL "FAC" AS REQUIRED.
13. FURNISH AND INSTALL A FIRE ALARM CONTROL PANEL
(FAC-P), BACKUP BATTERIES AND ASSOCIATED
COMPONENTS. RECONNECT EXISTING CIRCUIT WIRING TO
THE NEW FIRE ALARM SYSTEM. (TYPICAL)
14. FURNISH AND INSTALL A NEW FIRE ALARM ANNUNCIATOR
(FAA-F). REUSE EXISTING CABLES TO CONNECT TO THE
NEW FIRE ALARM SYSTEM.
15. FURNISH AND INSTALL REMOTE AUXILIARY POWER
EXPANDERS (LUI), BACKUP BATTERIES, AND
ASSOCIATED COMPONENTS. RECONNECT EXISTING
CIRCUITRY TO THE NEW FIRE ALARM SYSTEM. PROVIDE
NACS AS REQUIRED.
16. FURNISH AND INSTALL SURGE PROTECTION DEVICES (SPD)
AND GROUNDED SURGE MONITOR. MONITOR, SERVO-
MOTOR, AND ASSOCIATED COMPONENTS. RECONNECT
USED FOR THE FIRE ALARM SYSTEM. CONNECT TO THE
NEAREST EQUIPMENT GROUNDING BAR OR CONDUCTOR.
17. FURNISH AND INSTALL (SS/SPD) DEVICES AND GROUND
WIRING FOR ALL FIRE ALARM WIRING THAT ENTERS
THE FAC OR LEAVES THE FAC. CONNECT TO THE
NEAREST EQUIPMENT GROUNDING BAR OR CONDUCTOR.
18. IN ADDITION TO WHAT IS DESCRIBED IN THE PROJECT
SPECIFICATIONS, THE FAC SHALL PROVIDE A FIRE ALARM
SYSTEM IDENTIFIER AND TERMINATION SCHEDULE THAT
CLEARLY IDENTIFIES ALL EQUIPMENT, DEVICES, CABLE
COLORS, FIBER, TERMINATION SCHEDULE AND RISER.
THE RISER SHALL IDENTIFY THE EQUIPMENT ROOM AND THE
ASSOCIATED FIRE ALARM SYSTEM EQUIPMENT BY NAME
AND LOCATION. THE IDENTIFICATION SCHEDULE AND
RISER PROVIDED SHALL INCLUDE FIBER TYPES, ROUTING
INFORMATION, TERMINATION AND LUI LOCATION AND
CABLE COLOR. MAKE THE IDENTIFY FIBER COLOR USED AT
EACH PANEL CONNECTION. THE RISER SHALL INCLUDE
VISUAL REFERENCE BETWEEN EACH PANEL AND
INDIVIDUAL DETECTION AND ANNUNCIATION DEVICE.
19. FURNISH AND INSTALL FIRE MANAGEMENT GRAPHICS
(FMSG) AND FIRE ALARM MONITOR, SERVO-MOTOR,
(CPU), KEYBOARD, OPTICAL MOUSE, PRINTER, AND
FACTORY MANUFACTURED CABLES AS REQUIRED FOR
EFFECTIVEITY. MOUNT IN A LOCKABLE CABINET
UNDER THE EXISTING MOUNT.
20. FURNISH AND INSTALL (2) CAT6 CABLES BETWEEN THE
FIRE ALARM CONTROL PANEL AND FMS WORKSTATION.
21. FURNISH AND INSTALL A NEW 2-PORT DATA OUTLET
NEAR THE NEW FMS STATION. DATA OUTLET FACPILE
TO MATCH THE EXISTING COLOR ONSITE. PROVIDE
CONDUIT AS REQUIRED.
22. UTILIZE THE AVAILABLE POWER OUTLETS FOR THE NEW
FMS WORKSTATION AND PRINTER.
23. FAC TO REPLACE ALL SLC AND NAC CIRCUIT SCREW
TERMINALS, NAC POWER SUPPLIES, (SS/SPD) DEVICES
AND ASSOCIATED FIRE ALARM COMPONENTS. REMOVE
EXISTING FIRE ALARM ENCLOSURE.
24. FURNISH AND INSTALL NEW FIRE ALARM WIRING TO THE
IN THE MAINTENANCE BUILDING SLC AND NAC CIRCUITS TO
THE NEW FAC-PED. TEST ALL NEW WIRING AT BOTH END
BEFORE PLACING INTO SERVICE. REFER TO SHEET FA-011
NEW CONDUIT INFORMATION.
25. FAC SHALL EXTEND THE EXISTING FIRE ALARM CIRCUIT
WIRING FROM THE EXISTING CABINET (FAC) TO THE NEW
FAC. PROVIDE NEW SET SCREW TERMINALS TO SPlice
BETWEEN EXISTING AND NEW WIRING. PROVIDE NEW
EXISTING FIRE ALARM ENCLOSURE. (TYPICAL FOR NEW
FAC IN ROOM B109 AND SEC C101)
26. FURNISH AND INSTALL (1) NEW 20AMP, 120VAC BRANCH
POWER CIRCUIT FROM THE EMERGENCY POWER PANEL
(CL4/52) FOR THE FIRE ALARM SYSTEM. PROVIDE NEW BRANCH CIRCUIT
WITH A NEW BREAKER LOCK, AND



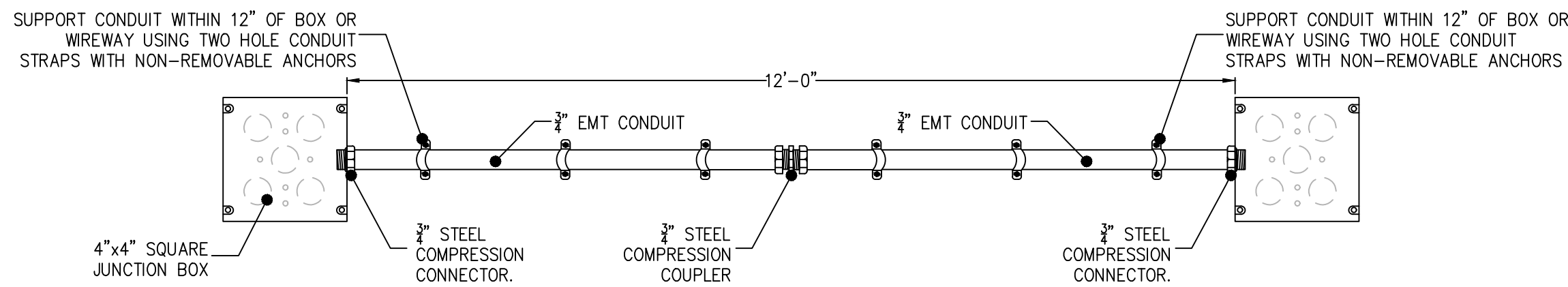
TORRANCE COUNTY DETENTION FACILITY, ESTANCIA, NM

FIRE ALARM RISER DIAGRAM

FA4.01

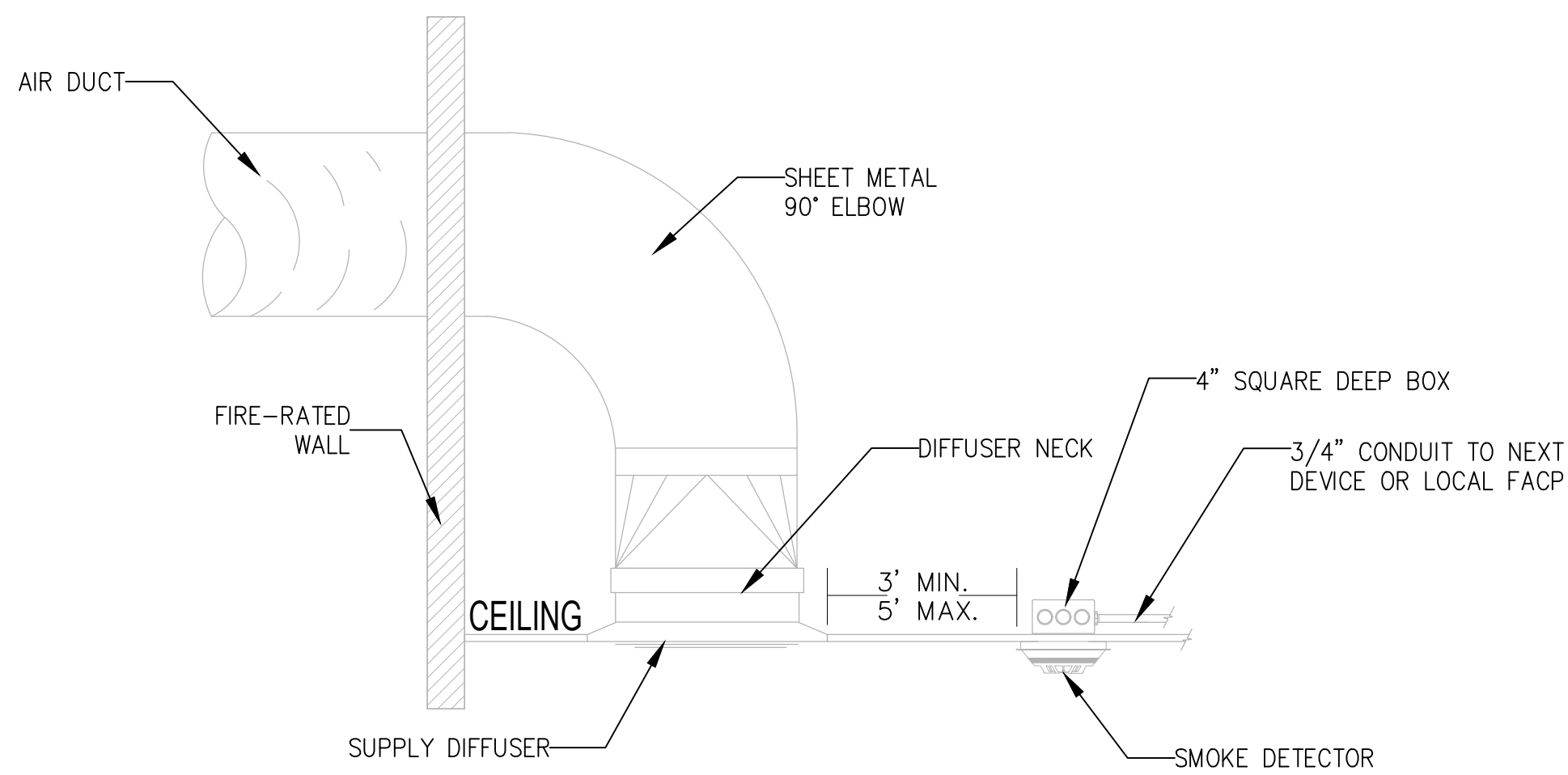
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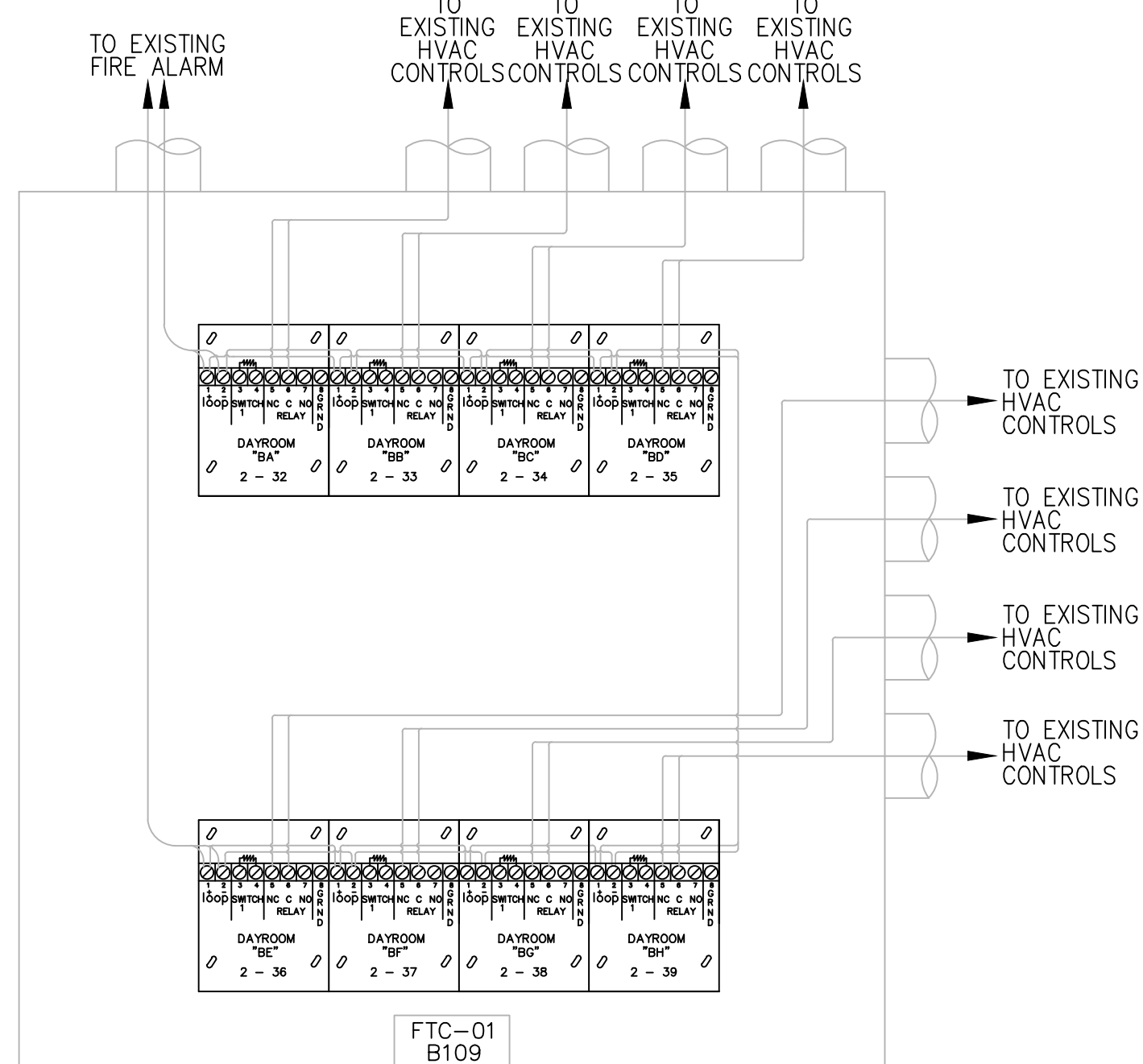
1 BOX INSTALLATION AND SUPPORT DETAILS

SCALE: NONE



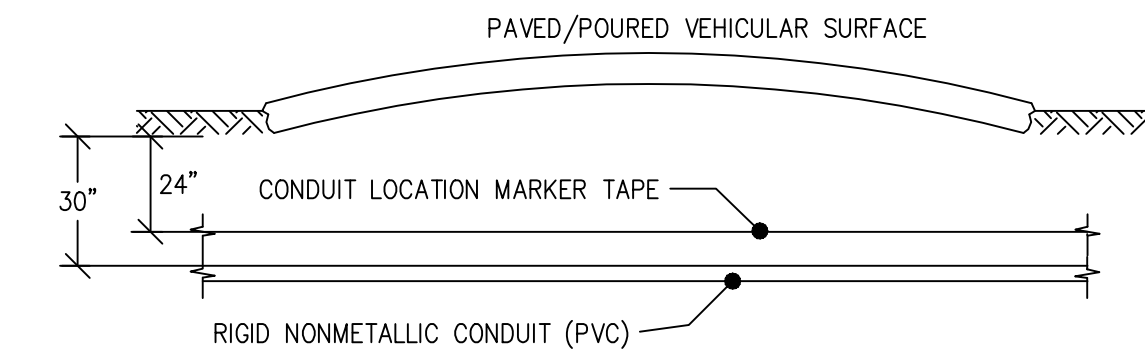
5 SMOKE DETECTOR AND AIR DIFFUSER INSTALLATION DETAIL

SCALE: NONE



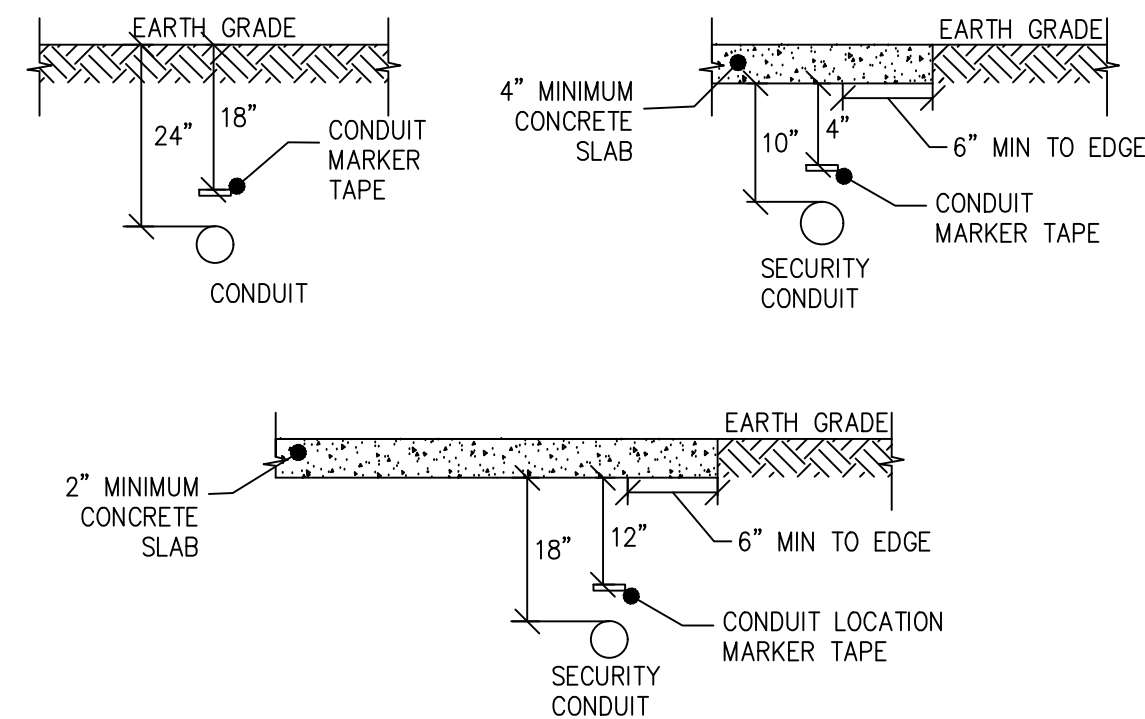
7 FTC CABINET #01 - HVAC INTERFACE FOR HOUSING UNITS 5 & 6

SCALE: NONE



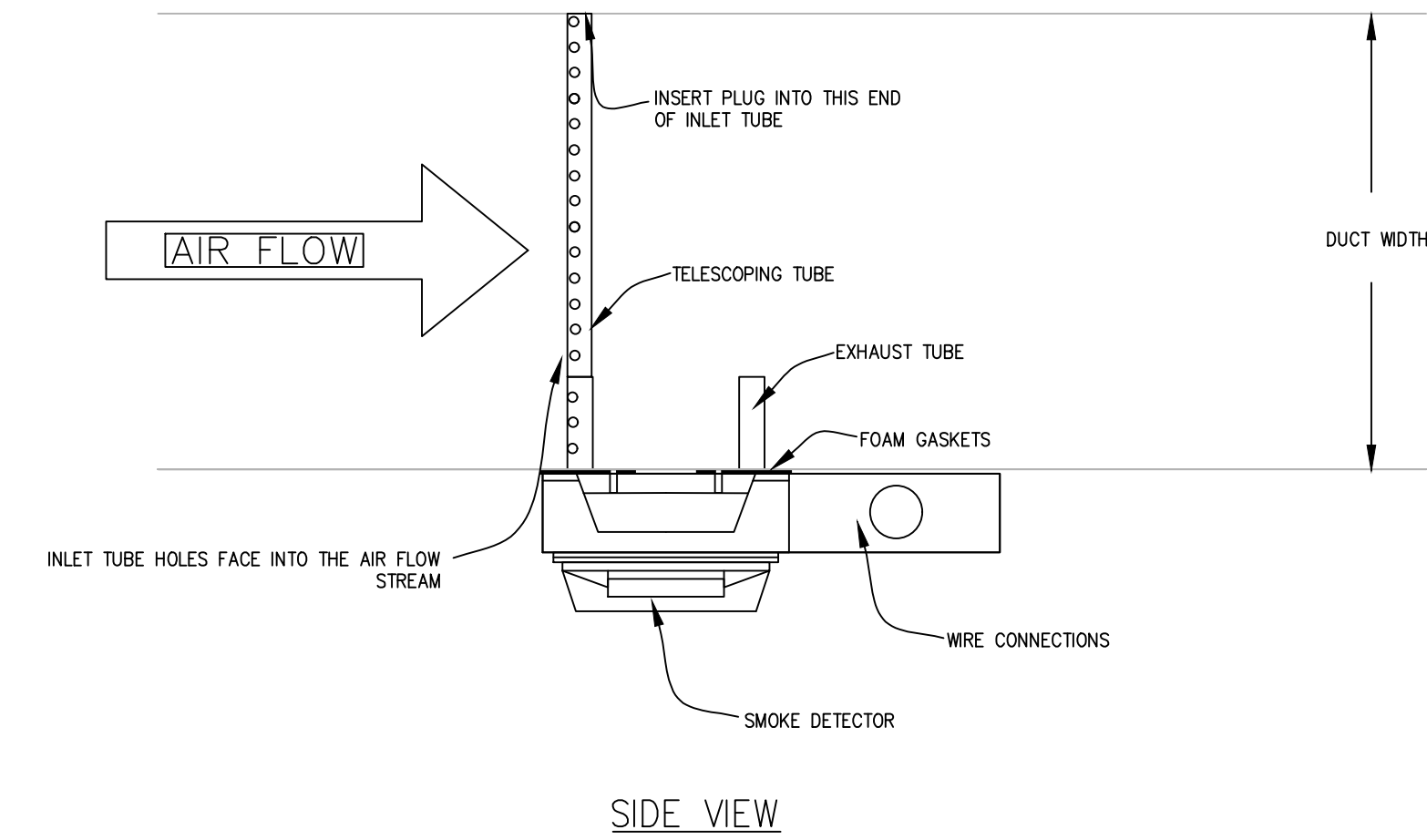
2 CONDUIT UNDER ROADWAY

SCALE: NONE



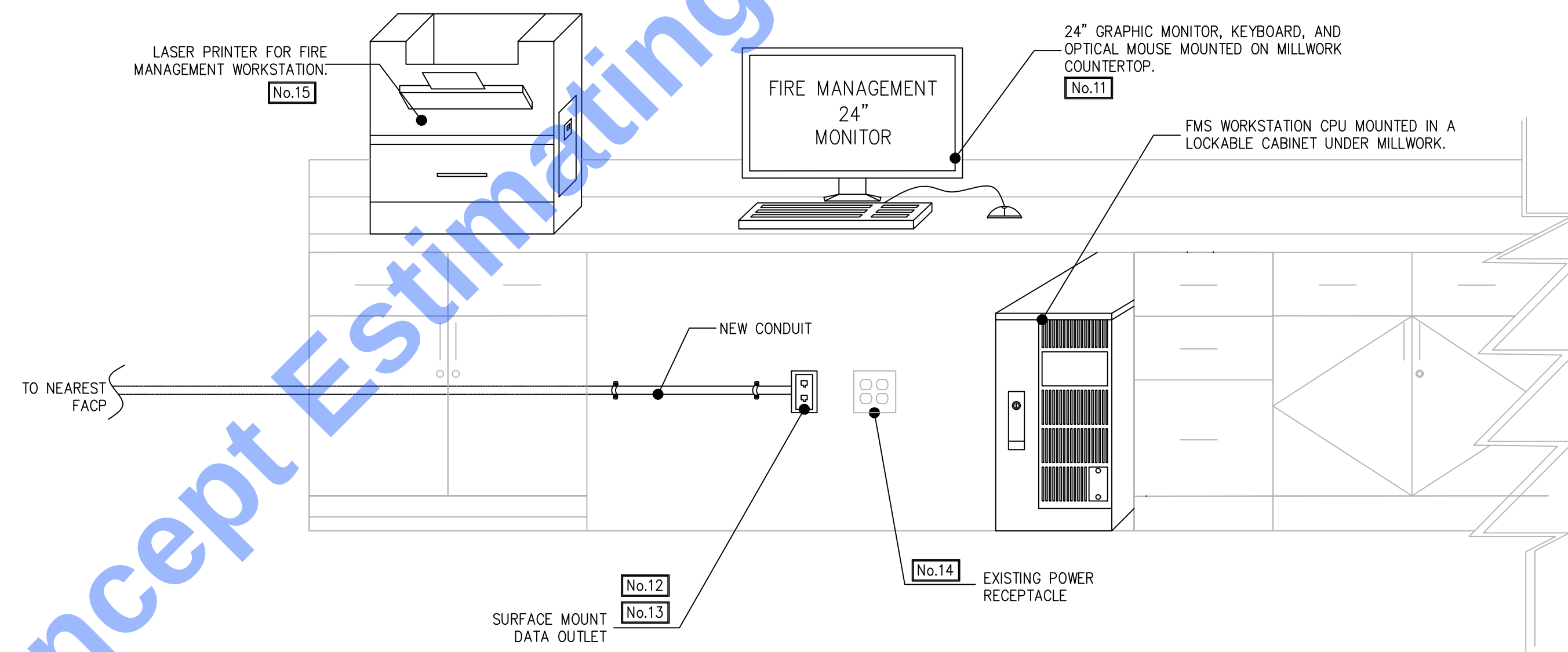
3 UNDERGROUND CONDUIT DETAIL

SCALE: NONE



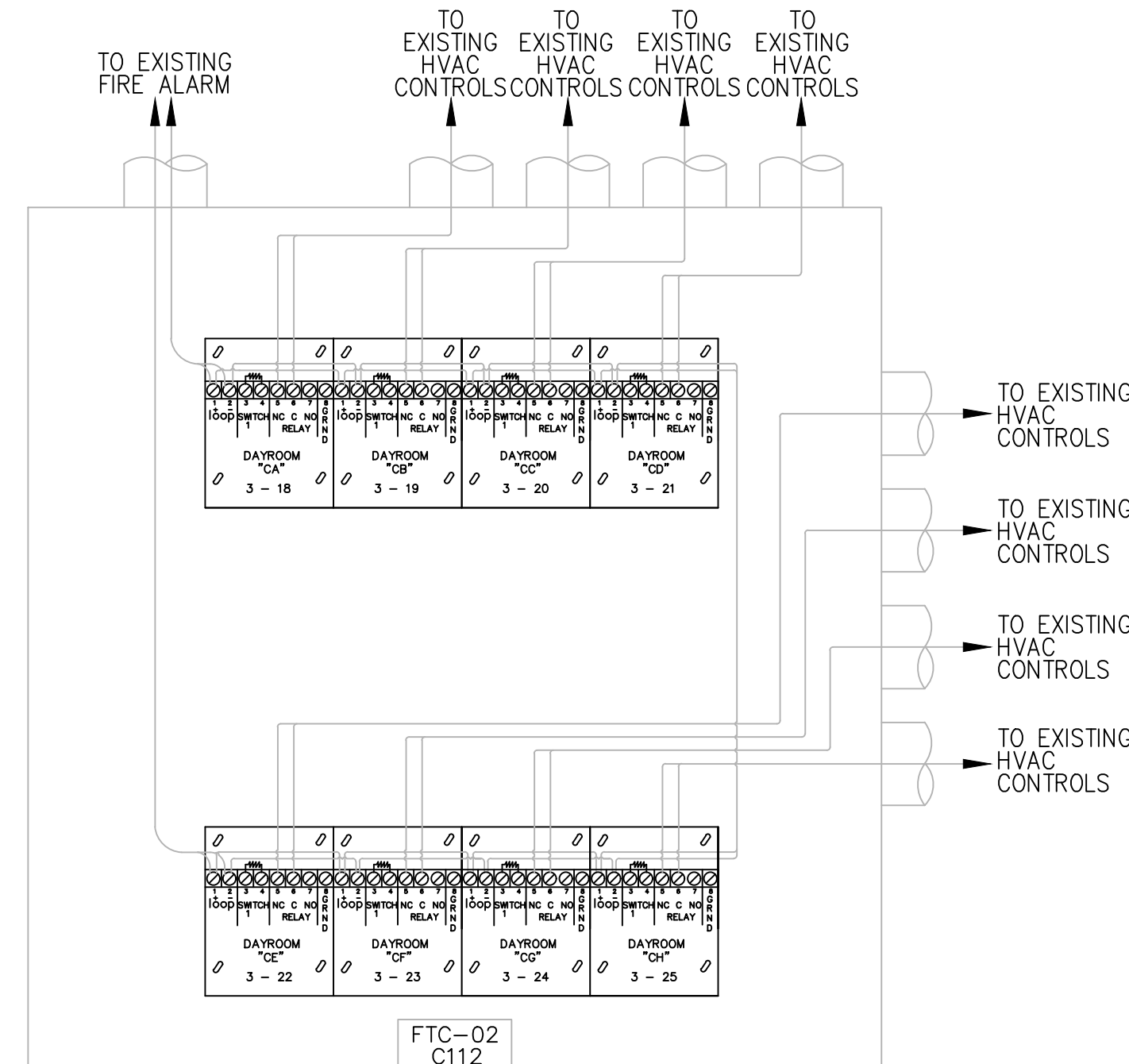
4 DUCT SMOKE DETECTOR INSTALLATION DETAIL

SCALE: NONE



6 NEW EQUIPMENT LAYOUT, CENTRAL CONTROL ROOM J173 - FIRE MANAGEMENT STATION

SCALE: NONE



8 FTC CABINET #02 - HVAC INTERFACE FOR HOUSING UNITS 7 & 8

SCALE: NONE

THIS SCOPE IS PART OF 2025 WIRING TO CONTROLS AND EXTERNAL DEVICES WILL REMAIN. MODULES IN ENCLOSURE Will be replaced and reconnected.

LEGEND NOTES

- REFER TO GENERAL NOTES ON SHEET FA6.00 INCORPORATE AS APPLICABLE.
- ALL INSTALLATION SHALL BE AS REQUIRED BY THE NATIONAL ELECTRIC CODE. REFER TO SPECIFICATION SECTION 280500.2.
- ALL CONDUIT SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND LOCAL CODES. DETAILS HERE DESCRIBE TYPICAL CONDUIT INSTALLATION FOR THE FIRE ALARM SYSTEM.
- ALL WIRING AND CABLE FOR THE FIRE ALARM SYSTEM SHALL BE INSTALLED IN CONDUIT UNLESS NOTED OTHERWISE. FIRE ALARM CIRCUIT WIRING SHALL BE ROUTED IN A SEPARATE CONDUIT. MIXING WIRING AND CABLES OTHER THAN THAT OF WITH THE FIRE ALARM WIRING IN THE SAME CONDUIT IS UNACCEPTABLE.
- ROUTE ALL EXTERIOR CONDUIT UNDERGROUND. WHERE EXPOSED, CONDUIT SHALL BE RIGID.
- TOTAL BENDS BETWEEN PULL BOXES SHALL NOT EXCEED 360 DEGREES.
- MINIMIZE STACKING OF CONDUITS UNDERGROUND. MUST COMPLY WITH MINIMUM DEPTHS. CONDUITS MUST BE FULLY SUPPORTED WITH NO GAPS.
- WHERE CONFLICTS ARISE BETWEEN NATIONAL ELECTRIC CODE REQUIREMENTS, DIVISION 26 REQUIREMENTS, AND DIVISION 28 REQUIREMENTS, FURNISH AND INSTALL THE MOST STRINGENT.
- ALL BOXES SHALL BE MASONRY BOXES.
- PROVIDE NON-REMOVABLE BREAK OFF SECURITY TYPE BOLTS OR DRIVE-PIN ANCHORS. ALL EXPOSED FASTENERS TO BE TORX-PIN STYLE TAMPERPROOF SECURITY SCREWS.
- FURNISH AND INSTALL FIRE MANAGEMENT GRAPHICS WORKSTATION (FMS). PROVIDE A NEW 24" LCD MONITOR, SERVER (CPU), KEYBOARD, AND OPTICAL MOUSE. LOCATE THE CPU IN A VENTED LOCKABLE CABINET UNDER THE EXISTING DESK OR MILLWORK COUNTERTOP.
- FURNISH AND INSTALL NEW CONDUIT AND 2-PORT DATA OUTLET FOR THE NEW FMS WORKSTATION. ROUTE CONDUIT BETWEEN THE MAIN FACP AND EACH NEW FMS WORKSTATION. SURFACE MOUNT CONDUIT TO THE EXISTING STRUCTURE AND MOUNT DATA OUTLET NEAR FMS. MATCH DATA OUTLET FACEPLATE COLOR WITH THE EXISTING ONSITE.
- FURNISH AND INSTALL (2) CAT6 CABLES FOR EACH NEW FMS WORKSTATION.
- UTILIZE THE AVAILABLE POWER OUTLETS FOR THE NEW FMS STATION AND PRINTER.
- FURNISH AND INSTALL A NEW PRINTER AND LOCATE ON THE EXISTING DESK OR MILLWORK NEAR THE FMS WORKSTATION. PROVIDE CABLES AS REQUIRED FOR CONNECTING TO THE NEW WORKSTATION.

