bill whittaker architecture
www.billwarch.com
bill@billwarch.com
256.689.0238
236 Martin Street
Anniston, Alabama 36206

ADDENDUM NO. 2

To: ALL PLAN HOLDERS
April 16th, 2025
Re: Arch Job Number 24001, DCM #2025238, – Plans Dated: 3/31/25
New Lincoln Police Department
Lincoln, Alabama

BID DATE: **May 8th, 2025**
TIME: **2:00 p.m. CDT, Local Time**
LOCATION: **Lincoln City Hall**
150 Magnolia Street
Lincoln, AL 35096

The Addendum shall be considered part of the Contract Documents for the above referenced project and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents, this addendum shall govern and take precedence. It will be construed that each Proposal is submitted with full knowledge of all modifications and supplemental data specified herein.

ADDENDUM ITEMS:

Item 1. GENERAL

1. Owner requested some modifications: Below is a limited summary of these requests. Contractors to refer to revised drawings issued in this addendum for full scope of work modifications.
    a. Room A160 Court Magistrate has been dived into two rooms. Conference room 163 is now a fire rated room with fire rated door and frame along with a fire rated ceiling assembly at the trusses. This will be part of the court room shell build out alternate.
    b. Owner requested additional data outlets and television locations.
    c. Civil has revised drainage and utility information and clarified other items.
    d. Pole lighting base bid clarification on the electrical site plan along with conduit locations.
    e. Door schedule modifications, showing type changes, add doors, add view lites to some doors, and show access controls, and bullet resistant doors.

Item 2. SPECIFICATIONS

1. Following specifications are issued as part of and attached to this addendum:
    a. **DIVISION 08 - OPENINGS**
    087100 DOOR HARDWARE

Item 3. DRAWINGS

1. List of revised sheets issued to replace existing sheets in bid documents. The revised sheets are part of and attached to this addendum

Revised Sheet C3.1 PAVING, SIGNING, STRIPING PLAN
Revised Sheet C4.1 SITE GRADING PLAN
Revised Sheet C5.1 STORM DRAINAGE PLAN
Revised Sheet C6.1 UTILITY PLAN

Revised Sheet A2.4 COURT RM. SHELL PLAN AND RCP & BUILD OUT & 6 OFFICE BUILD OUT
Revised Sheet A7.1 DOOR AND FRAME TYPES

Revised Sheet M3.1 HVAC
Revised Sheet E00.1 ELECTRICAL LEGEND AND NOTES
Revised Sheet E00.2 ELECTRICAL DETAILS
Revised Sheet E00.3 ELECTRICAL DETAILS
Revised Sheet E00.4 LUMINAIRE SCHEDULE & LIGHTING CONTROLS
Revised Sheet E00.5 RISER DIAGRAM
Revised Sheet E10.0 FLOOR PLAN – LIGHTING
Revised Sheet E10.1 FLOOR PLAN – POWER
Revised Sheet E10.2 FLOOR PLAN AUXILIARY
Revised Sheet E10.3 ATTIC PLAN – ELECTRICAL
Revised Sheet E11.0 PARTIAL ALTERNATE FLOOR PLANS – ELECTRICAL
Revised Sheet E20.0 SITE PLAN – ELECTRICAL
Revised Sheet E20.1 SITE PLAN – ALTERNATE ELECTRICAL

Sincerely,

William A. Whittaker

Bill Whittaker, AIA
Cc: Project File

WHORTON
ENGINEERING, INC.
Consulting Engineers

25 Summerall Gate Road, Bldg. 2102
P. O. Box 5190
Anniston, Alabama 36205
(256) 820-9897 Phone
draw@whortoneng.com

ADDENDUM

To:	Bill Whittaker
From:	Heather Page, PE
Subject:	New City of Lincoln Police Department - A/E# 24001 (Whorton Project #23222)
Date:	April 16, 2025

Please include the following in your next addendum:

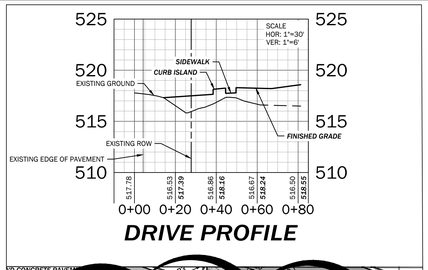
PLUMBING:

1. **Reference Sheets P2.1 / P3.1:** Reference revised architectural plans for location of new fire rated walls and ceilings.

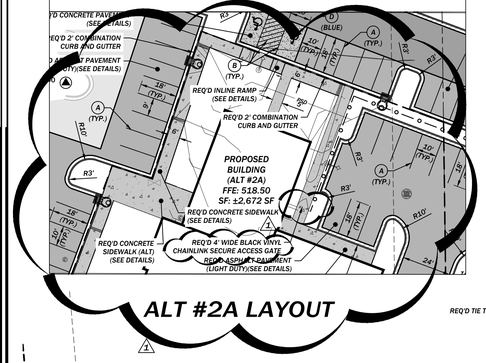
HVAC:

1. **Reference Sheet M3.1:** Revise HVAC as per attached revised plan.

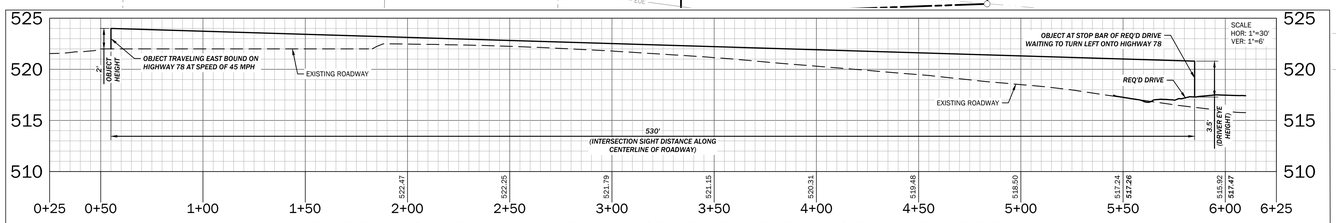
2. **Reference Sheet M1.2:** Reference Heat Pump Equipment Electrical Data. Change HP-13 indoor unit voltage to 208/230-1-60.



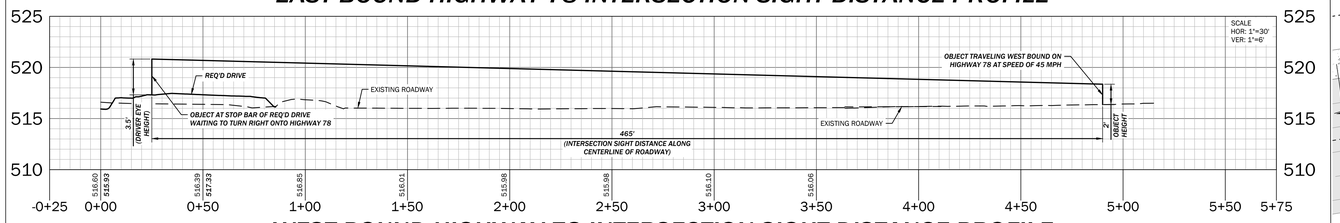
DRIVE PROFILE



ALT #2A LAYOUT



EAST BOUND HIGHWAY 78 INTERSECTION SIGHT DISTANCE PROFILE



WEST BOUND HIGHWAY 78 INTERSECTION SIGHT DISTANCE PROFILE

ALDOT NOTES

1. CONTACT DISTRICT ADMINISTRATOR 48 HOURS PRIOR TO BEGINNING WORK ON ALDOT RIGHT-OF-WAY AND PROVIDE ON-SITE CONTACT INFORMATION. THE DISTRICT ADMINISTRATOR IS STEPHEN BLAIR PHONE NUMBER (256) 362-1240.
2. ONSITE REPRESENTATIVE WILL HAVE ON HAND AT ALL TIMES THE COMPLETE APPROVED PERMIT AND PLANS.
3. ALL EXISTING UTILITIES IN THE PROPOSED WORK AREA SHALL BE PHYSICALLY LOCATED BOTH HORIZONTALLY AND VERTICALLY BEFORE WORK BEGINS.
4. DO NOT DISTURB SURVEY MARKERS LOCATED ON ALDOT RIGHT-OF-WAY. ANY RIGHT OF WAY MARKERS DISTURBED DURING CONSTRUCTION SHALL BE RE-ESTABLISHED BY AN ALABAMA LICENSED PROFESSIONAL SURVEYOR AT THE APPLICANT'S EXPENSE.
5. THE PERMIT APPLICANT IS HELD RESPONSIBLE AND LIABLE FOR ALL DAMAGES AND ACTIONS OF THEIR APPOINTED CONTRACTORS, APPOINTEES, OR DESIGNEES FOR WORK CONDUCTED ON RIGHT OF WAY.
6. ALL UTILITIES AND APPURTENANCES SHOULD BE INSTALLED IN THE BACK 10' OF RIGHT OF WAY.
7. ROADWAY CROSSINGS (AERIAL OR BURIED) SHALL BE AS NEAR PERPENDICULAR AS POSSIBLE TO THE HIGHWAY.
8. ALL UNDERGROUND UTILITIES SHALL BE BURIED A MINIMUM OF 36" (48" FOR POWER) ON RIGHT OF WAY. ANY UTILITY THAT CROSSES UNDER HIGHWAY SHALL BE BURIED 48" UNDER SAID HIGHWAY BUILD UP.
9. ALL BURIED UTILITIES SHALL BE BURIED 5' UNDER CULVERTS AND CROSS DRAIN DITCHES.
10. ALL UTILITIES SHALL HAVE A MINIMUM HORIZONTAL DISTANCE OF 12' FROM DRAINAGE STRUCTURES AND 25' FROM ALL BRIDGE STRUCTURES. JUSTIFICATION SHOULD BE GIVEN WHEN THIS REQUIREMENT CANNOT BE ACHIEVED.
11. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) EDITION. (IF PERMIT REQUIRES LANE CLOSURES, LANE CLOSURE MUST BE PART OF THE TRAFFIC CONTROL PLAN)
12. PRIOR TO ANY TRAFFIC CONTROL DEVICES BEING INSTALLED ON ROW, SOMEONE WITH THE RESPONSIBILITY OF TRAFFIC CONTROL SHALL CONTACT THE ALDOT OFFICE AT (256) 362-1240.
13. ALDOT MUST ALSO BE CONTACTED 48 HOURS PRIOR TO ANY LANE CLOSURES.
14. ALL DISTURBED AREAS WILL BE DRESSED AND PERMANENT VEGETATION ESTABLISHED AS DIRECTED BY THE DEPARTMENT OF TRANSPORTATION'S DISTRICT ADMINISTRATOR.
15. ALL MATERIALS USED ON ALDOT ROW WILL CONFORM WITH ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION LATEST EDITION.
16. ANY DAMAGE TO RIGHT OF WAY DURING CONSTRUCTION BY APPLICANT OR DESIGNEE WILL BE REPAIRED BY THE APPLICANT IN ACCORDANCE WITH ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION LATEST EDITION.
17. ALL AREAS ON ROW WITHIN THE APPLICANT'S WORK LIMITS SHALL BE NEATLY GRADED, DRESSED, AND GRASSED IN A MANNER TO ESTABLISH POSITIVE FLOW AND PERMANENT VEGETATION.
18. MUD AND DEBRIS ARE TO BE KEPT OUT OF HIGHWAYS, INLETS, DITCHES, AND RIGHT OF WAY.
19. UPON COMPLETION AND ANY TIME HEREAFTER, ALDOT RETAINS THE RIGHT TO REQUEST A SET OF AS-BUILT PLANS OF ANY PERMITTED WORK IN SAID DEPARTMENT'S ROW.
20. THE POSTED SPEED LIMIT FOR ALABAMA STATE ROUTE 4 IS 45 MPH.
21. THE PROPOSED TYPE OF DEVELOPMENT IS "PUBLIC" FOR A POLICE DEPARTMENT.
22. ALL METERS SHALL BE INSTALLED OFF ALDOT RIGHTS-OF-WAY.
23. ALL MANHOLES, VALVE BOXES, AND HAND HOLES SHOULD BE FLUSH WITH EXISTING GROUND AND HS-20 LOAD-RATED.
24. ALL INSTALLATIONS THAT REQUIRE BORE PITS MUST SHOW BORE PIT DIMENSIONS AND LOCATIONS.
25. THE CONTRACTOR SHALL WRITE A LETTER REQUESTING TO MEET WITH THE DISTRICT PERMIT COORDINATOR UPON COMPLETION OF THE PERMITTED WORK TO EVALUATE PUNCH LIST FOR COMPLETION OF THE PROJECT.
26. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
27. THE CONTRACTOR SHALL HAVE ON HAND AT ALL TIMES:
    - 27.1. APPROVED PERMIT AND PLANS STAMPED BY THE DIVISION ENGINEER.
    - 27.2. TRAFFIC CONTROL PLAN
    - 27.3. EROSION CONTROL PLAN
28. ALL DISTURBED AREAS SHALL BE RESODDED OR SEEDED IN ACCORDANCE WITH THE LATEST ALDOT SPECIFICATIONS FOR GRASSING OR AS DIRECTED BY THE ALDOT DISTRICT ADMINISTRATOR.
29. BEST MANAGEMENT PRACTICES WILL BE UTILIZED ON THIS PROJECT AND SHALL AT A MINIMUM RETURN ALL EXPOSED AREAS TO ORIGINAL OR BETTER CONDITION WITH PERMANENT STABILIZATION.
30. THE AMOUNT OF AREA TO BE DISTURBED DURING CONSTRUCTION OF THIS PERMIT IS 3.7 ACRES.
31. CONTRACTOR SHALL ENSURE THAT ALL PERMITTED WORK WILL MEET OR EXCEED ALDOT SPECIFICATIONS.
32. ALL CONTRACTORS MUST MEET OR EXCEED OSHA STANDARDS.
33. ROW MARKERS OR MONUMENTS SHALL NOT BE DISTURBED.
34. DAMAGE TO ANY EXISTING SIDEWALKS OR RAMPS AND NEW SIDEWALK OR RAMPS MUST MEET ADA STANDARDS.
35. WORK SHALL ONLY TAKE PLACE BETWEEN 8:30 AM AND 3:30 PM MONDAY THROUGH FRIDAY UNLESS OTHERWISE NOTED.
36. DURING NON-WORKING HOURS, NO EQUIPMENT OR MATERIAL SHALL BE PARKED OR STORED CLOSER THAN 30 FEET TO THE EDGE OF ANY ROADWAY CARRYING TRAFFIC. WHEN THIS IS NOT PRACTICAL, IT SHALL BE IN AN AREA DESIGNATED BY THE ENGINEER AND APPROVED BY THE DISTRICT MANAGER AND DELINEATED BY REFLECTORIZED DRUMS.
37. ALDOT FIBER OPTIC UTILITIES SHALL BE FIELD VERIFIED AND SHOWN ON THE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UTILITIES PRIOR TO COMMENCING WORK. CONTACT EAST CENTRAL TRAFFIC MGMT. CENTER TO VERIFY AT 205-251-1397.
38. THE CONTRACTOR MUST NOTIFY ALDOT DAILY 30 MINUTES BEFORE WORK IS SCHEDULED FOR ANY LANE CLOSURES AND ROLLING ROAD BLOCKS. THE CONTRACTOR MUST NOTIFY ALDOT UPON COMPLETION OF SCHEDULED CLOSURES, MON-FRI AT 256-362-1240 FROM 8AM-5PM AND WEEKEND/AFTER HOURS AT 256-496-4269.
39. CONSTRUCTION ACTIVITIES AT THE INDICATED WORK AREA SHALL ONLY BE PERMITTED ON SUNDAY MORNING FROM 6AM-10AM. THE CONTRACTOR SHALL INFORM THE ALABAMA DEPARTMENT OF TRANSPORTATION ENGINEERING DEPARTMENT OF EXPECTED CONSTRUCTION DATES PRIOR TO BEGINNING OF CONSTRUCTION.
40. A SCHEDULE OF OPERATIONS SHALL BE PROVIDED FOR ALL AERIAL CROSSINGS AND/OR ANTICIPATED TRAFFIC INTERRUPTIONS.
41. ALL EXISTING UTILITIES, APPURTENANCES, DRAINAGE STRUCTURES, AND ACCESSORIES WITH DIMENSIONS FROM EDGE OF PAVEMENT AND RIGHT-OF-WAY ARE SHOWN ON THE PLANS.
42. NO TRENCH OR EXCAVATION SHALL BE LEFT OPEN OVERNIGHT OR UNATTENDED ON ROW UNLESS PROPERLY PROTECTED. TRENCHES OR EXCAVATION MUST BE FILLED, FENCED, COVERED, OR BARRICADED WHEN UNATTENDED.
43. ALL PURPOSED UTILITIES SHALL MAINTAIN 24" VERTICAL AND HORIZONTAL CLEARANCE FROM ALL EXISTING UTILITIES.
44. THE MAX FLOW RATE FOR THE DIRECTIONAL DRILLING IS 15 GPM AND THE MAX PRESSURE IS 350 PSI.
45. ALL SIGNS WILL BE MAINTAINED BY THE APPLICANT AND NOT ALDOT.
46. WORK WILL TAKE PLACE APPROXIMATELY BETWEEN MILE POST 143.29 AND 143.31, WITH DRIVE LOCATED AT 143.3.
47. APPLICANT WILL MAINTAIN ANY APPROVED LANDSCAPING ON R.O.W.
48. ALL MARKINGS, STRIPING, AND LEGENDS WITHIN ALDOT R.O.W. SHALL BE THERMOPLASTIC.
49. WATER LINES SHALL CONFORM TO THE CURRENTLY APPLICABLE SECTIONS OF THE AMERICAN WATER WORKS ASSOCIATION.
50. THE APPLICANT SHALL BE RESPONSIBLE FOR ANY SOLID WASTE (I.E., WOOD, STUMPS, ETC.) TO BE DISPOSED OF AND MUST BE IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM).
51. EROSION CONTROL DEVICES WILL BE INSTALLED AND MAINTAINED DURING THE WORK TO BE PERFORMED AND SHOULD MEET REQUIREMENTS OF ALDOT AND ADEM STANDARDS AND SPECIFICATIONS.
52. APPLICANTS THAT NEED A QUALIFIED CREDENTIAL INSPECTOR FOR THEIR PROJECT SHALL PROVIDE THIS PERSON'S NAME, QCI NUMBER, AND CONTACT INFORMATION TO THE ALDOT DISTRICT OFFICE. A PRELIMINARY REVIEW SHALL BE DONE ON SITE PRIOR TO WORK ON ROW WITH ALDOT AND REVIEWS SHALL BE DONE IN ACCORDANCE TO ADEM REGULATIONS. A STORM WATER REVIEW SHALL BE DONE WEEKLY AND AFTER 3/4" RAIN EVENT.
53. PERMITS ISSUES BY ALDOT ARE FOR WORK ON ALDOT RIGHT OF WAY ONLY.
54. ALDOT WILL NOT MAINTAIN STRIPING OR SIGNS.

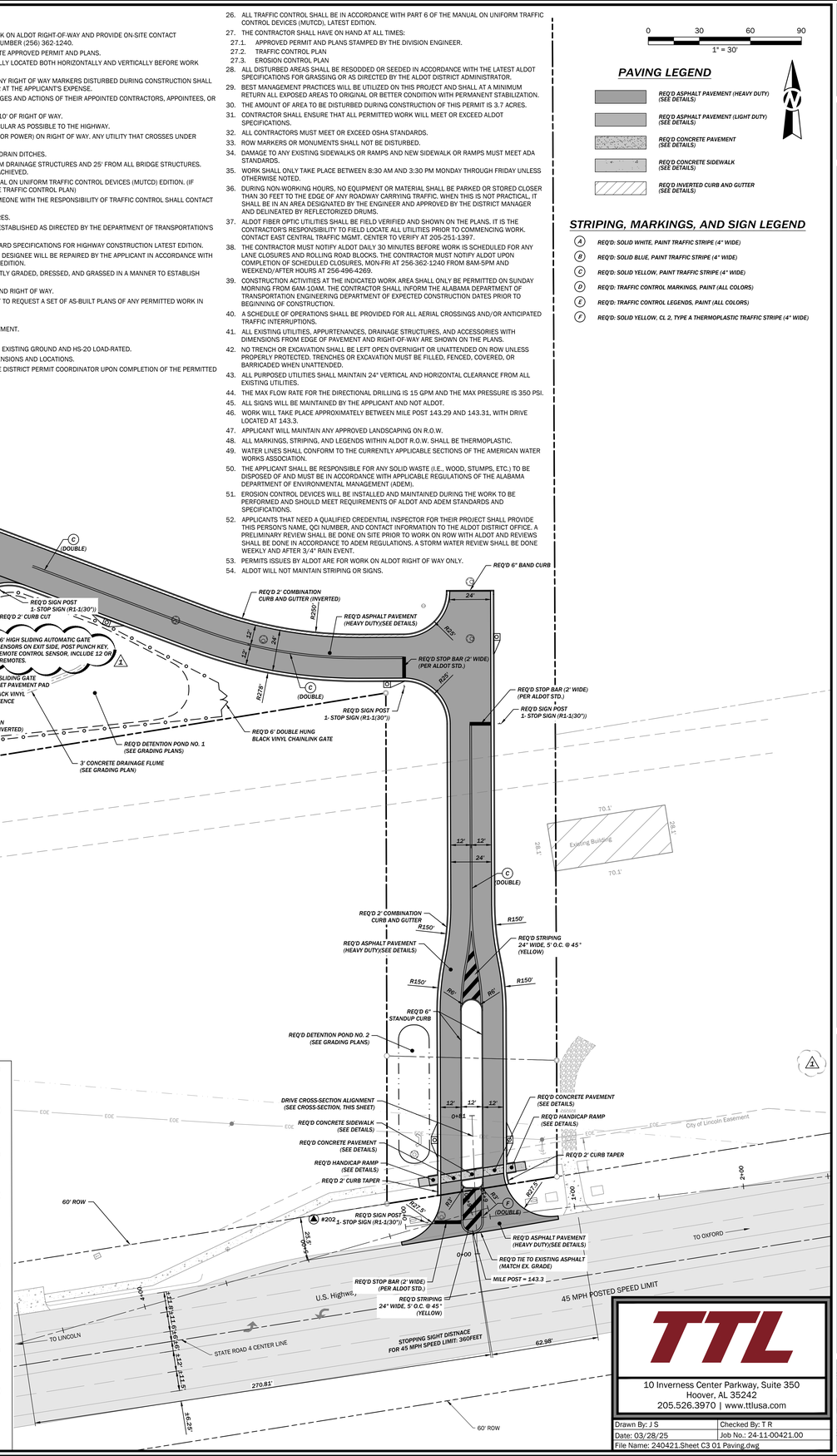
0 30 60 90
1" = 30'

PAVING LEGEND

- REQ'D ASPHALT PAVEMENT (HEAVY DUTY) (SEE DETAILS)
- REQ'D ASPHALT PAVEMENT (LIGHT DUTY) (SEE DETAILS)
- REQ'D CONCRETE PAVEMENT (SEE DETAILS)
- REQ'D CONCRETE SIDEWALK (SEE DETAILS)
- REQ'D INVERTED CURB AND GUTTER (SEE DETAILS)

STRIPING, MARKINGS, AND SIGN LEGEND

- (A) REQ'D: SOLID WHITE, PAINT TRAFFIC STRIPE (4" WIDE)
- (B) REQ'D: SOLID BLUE, PAINT TRAFFIC STRIPE (4" WIDE)
- (C) REQ'D: SOLID YELLOW, PAINT TRAFFIC STRIPE (4' WIDE)
- (D) REQ'D: TRAFFIC CONTROL MARKINGS, PAINT (ALL COLORS)
- (E) REQ'D: TRAFFIC CONTROL LEGENDS, PAINT (ALL COLORS)
- (F) REQ'D: SOLID YELLOW, CL 2, TYPE A THERMOPLASTIC TRAFFIC STRIPE (4" WIDE)



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NEW CITY OF LINCOLN POLICE DEPARTMENT LINCOLN, ALABAMA

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Attn: Randy Whorton

ELECTRICAL ENGINEER
Hays Cheatwood Consulting
P.O. Box 250
Pinson, AL 35126
205-942-0696
Attn: Tony Dodd

ISSUE:
03.31.25 BID
4.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
PAVING, SIGNING, STRIPING PLAN

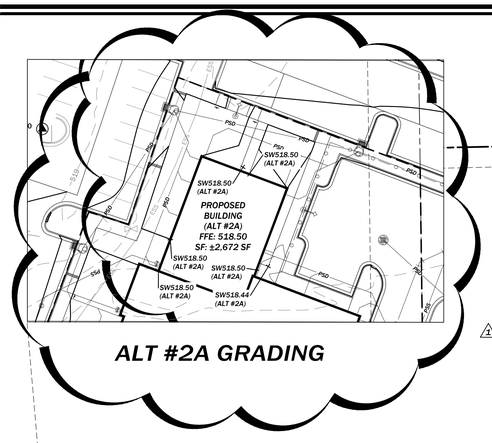
SHEET
C3.1

TTL
10 Inverness Center Parkway, Suite 350
Hoover, AL 35242
205.526.3970 | www.ttlusa.com

Drawn By: J S	Checked By: T R
Date: 03/28/25	Job No.: 24-11-00421.00
File Name: 240421.Sheet C3 01 Paving.dwg	

ALABAMA REGISTERED PROFESSIONAL ENGINEER No. 26754 TIMOTHY A. ROBERTS 04-16-2025

3/21/2024 11:29:03 AM



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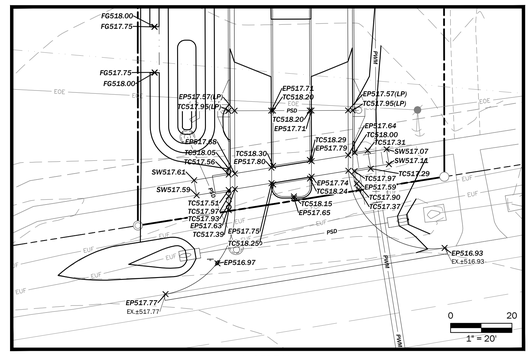
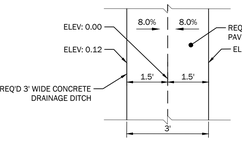


INSERT 'A'

0 30 60 90
1" = 30'

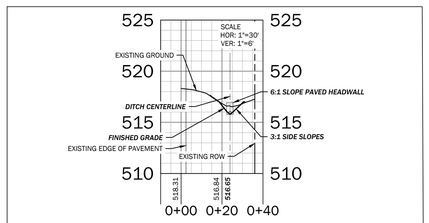
GRADING LEGEND

150 — REQ'D CONTOUR 5' INTERVAL
149 — REQ'D CONTOUR 1' INTERVAL
TWx170.00 TC170.00 FG150.00 — REQUIRED TOP OF WALL, TOP OF CURB, FINISH GRADE
BWx170.00 BL150.00 EP150.00 — BOTTOM OF WALL, FLOWLINE & EDGE OF PAVEMENT

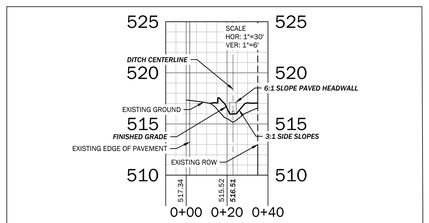


NOTES:
1. ALL CONCRETE PAVEMENT SHALL BE BEDDED ON STONE AS REQUIRED FOR 2' COMBINATION CURB AND GUTTER.
2. ALL REQUIREMENTS FOR COMPACTION, BEDDING, STONE, CONCRETE, ETC. SET FORTH IN THE 2' COMBINATION CURB AND CUTTER SHALL APPLY TO THE CONCRETE FLUME.

1 — 3' WIDE CONCRETE DRAINAGE FLUME
NOT TO SCALE



UPSTREAM DITCH PROFILE



DOWNSTREAM DITCH PROFILE

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NEW CITY OF LINCOLN POLICE DEPARTMENT LINCOLN, ALABAMA

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ELECTRICAL ENGINEER
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205-942-0696
Attn: Tony Dodd

ISSUE:
03.31.25 BID
4.16.25 ADD #2

JOB NO.
24001

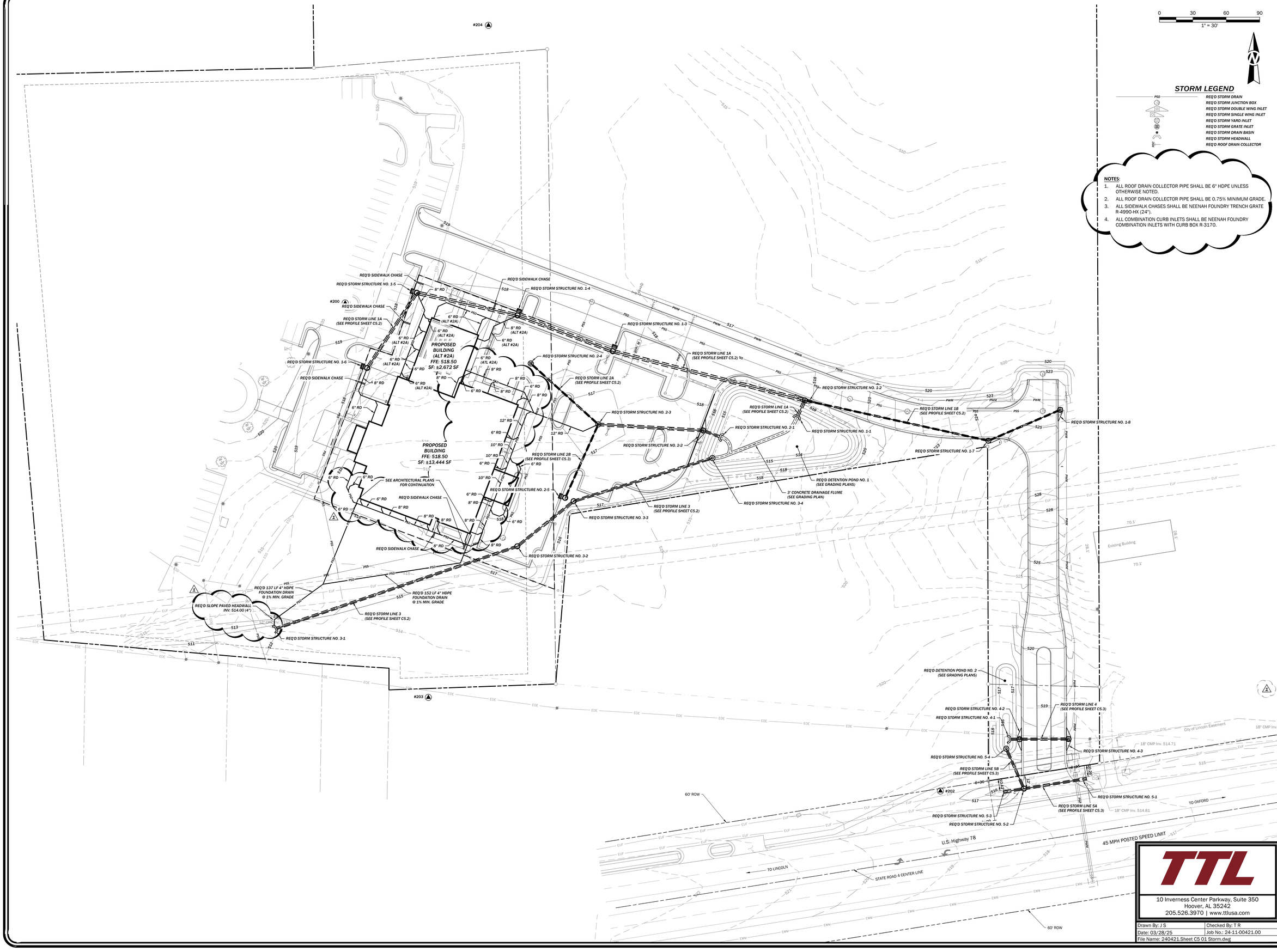
DESCRIPTION:
SITE GRADING PLAN

SHEET
C4.1

TTL
10 Inverness Center Parkway, Suite 350
Hoover, AL 35242
205.526.3970 | www.ttlusa.com

Drawn By: J S	Checked By: T R
Date: 03/28/25	Job No.: 24-11-00421.00
File Name: 240421.Sheet C4 01 Grading.dwg	

3/21/2024 11:29:03 AM



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CITY OF LINCOLN, ALABAMA

NEW CITY OF LINCOLN POLICE DEPARTMENT LINCOLN, ALABAMA

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205-942-0696
Attn: Tony Dodd

ISSUE:
03.31.25 BID
4.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
STORM DRAINAGE PLAN

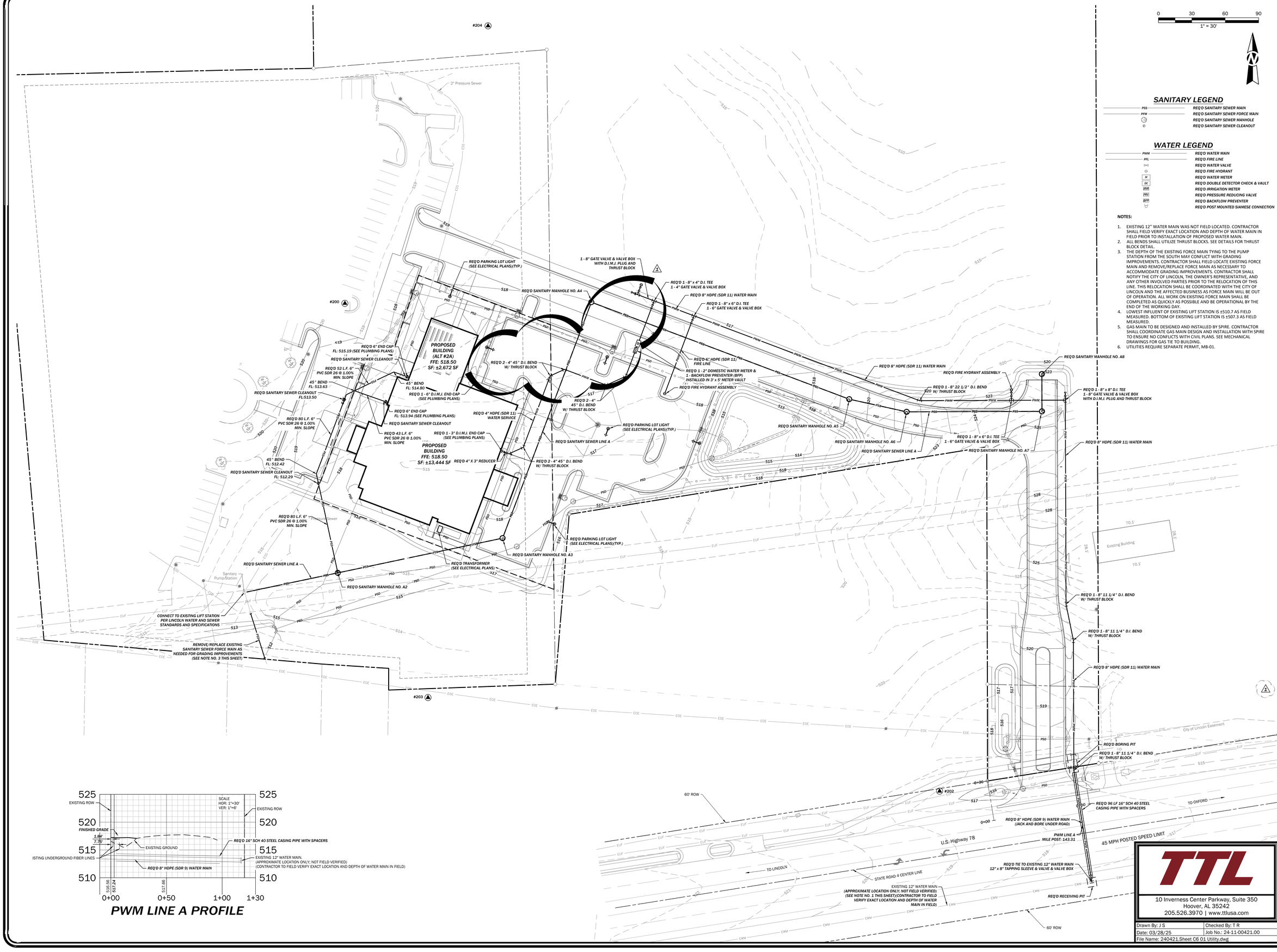
SHEET
C5.1

TTL
10 Inverness Center Parkway, Suite 350
Hoover, AL 35242
205.526.3970 | www.ttlusa.com

Drawn By: J S	Checked By: T R
Date: 03/28/25	Job No.: 24-11-00421.00
File Name: 240421.Sheet C5 01 Storm.dwg	

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 26754 TIMOTHY A. ROBERTS 04-16-2025

3/21/2024 11:29:03 AM



PWM LINE A PROFILE

SANITARY LEGEND

PSS	REQ'D SANITARY SEWER MAIN
PFM	REQ'D SANITARY SEWER FORCE MAIN
	REQ'D SANITARY SEWER MANHOLE
	REQ'D SANITARY SEWER CLEANOUT

WATER LEGEND

PWM	REQ'D WATER MAIN
PFL	REQ'D FIRE LINE
	REQ'D WATER VALVE
	REQ'D FIRE HYDRANT
M	REQ'D WATER METER
DC	REQ'D DOUBLE DETECTOR CHECK & VAULT
IRR	REQ'D IRRIGATION METER
PRV	REQ'D PRESSURE REDUCING VALVE
BFP	REQ'D BACKFLOW PREVENTER
	REQ'D POST MOUNTED SIAMESE CONNECTION

NOTES:

1. EXISTING 12" WATER MAIN WAS NOT FIELD LOCATED. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND DEPTH OF WATER MAIN IN FIELD PRIOR TO INSTALLATION OF PROPOSED WATER MAIN.
2. ALL BENDS SHALL UTILIZE THRUST BLOCKS. SEE DETAILS FOR THRUST BLOCK DETAIL.
3. THE DEPTH OF THE EXISTING FORCE MAIN TYING TO THE PUMP STATION FROM THE SOUTH MAY CONFLICT WITH GRADING IMPROVEMENTS. CONTRACTOR SHALL FIELD LOCATE EXISTING FORCE MAIN AND REMOVE/REPLACE FORCE MAIN AS NECESSARY TO ACCOMMODATE GRADING IMPROVEMENTS. CONTRACTOR SHALL NOTIFY THE CITY OF LINCOLN, THE OWNER'S REPRESENTATIVE, AND ANY OTHER INVOLVED PARTIES PRIOR TO THE RELOCATION OF THIS LINE. THIS RELOCATION SHALL BE COORDINATED WITH THE CITY OF LINCOLN AND THE AFFECTED BUSINESS AS FORCE MAIN WILL BE OUT OF OPERATION. ALL WORK ON EXISTING FORCE MAIN SHALL BE COMPLETED AS QUICKLY AS POSSIBLE AND BE OPERATIONAL BY THE END OF THE WORKING DAY.
4. LOWEST INFLUENT OF EXISTING LIFT STATION IS ±510.7 AS FIELD MEASURED. BOTTOM OF EXISTING LIFT STATION IS ±507.3 AS FIELD MEASURED.
5. GAS MAIN TO BE DESIGNED AND INSTALLED BY SPIRE. CONTRACTOR SHALL COORDINATE GAS MAIN DESIGN AND INSTALLATION WITH SPIRE TO ENSURE NO CONFLICTS WITH CIVIL PLANS. SEE MECHANICAL DRAWINGS FOR GAS TIE TO BUILDING.
6. UTILITIES REQUIRE SEPARATE PERMIT, MB-01.

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P.O. Box 250
Pinson, AL 35126
205-942-0696
Attn: Tony Dodd

ISSUE:
03.31.25 BID
4.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
UTILITY PLAN

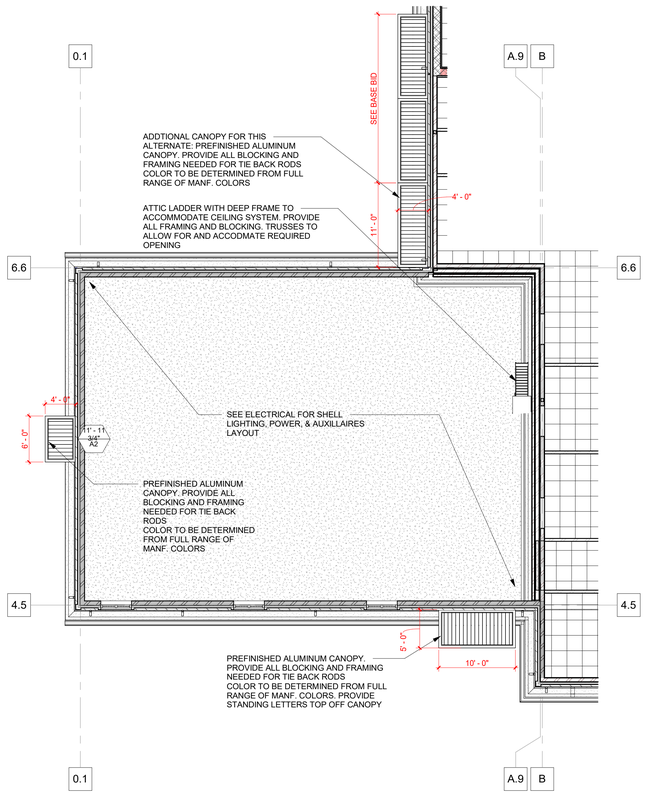
SHEET
C6.1

TTL
10 Inverness Center Parkway, Suite 350
Hoover, AL 35242
205.526.3970 | www.ttlusa.com

Drawn By: J S | Checked By: T R
Date: 03/28/25 | Job No.: 24-11-00421.00
File Name: 240421.Sheet C6 01 Utility.dwg

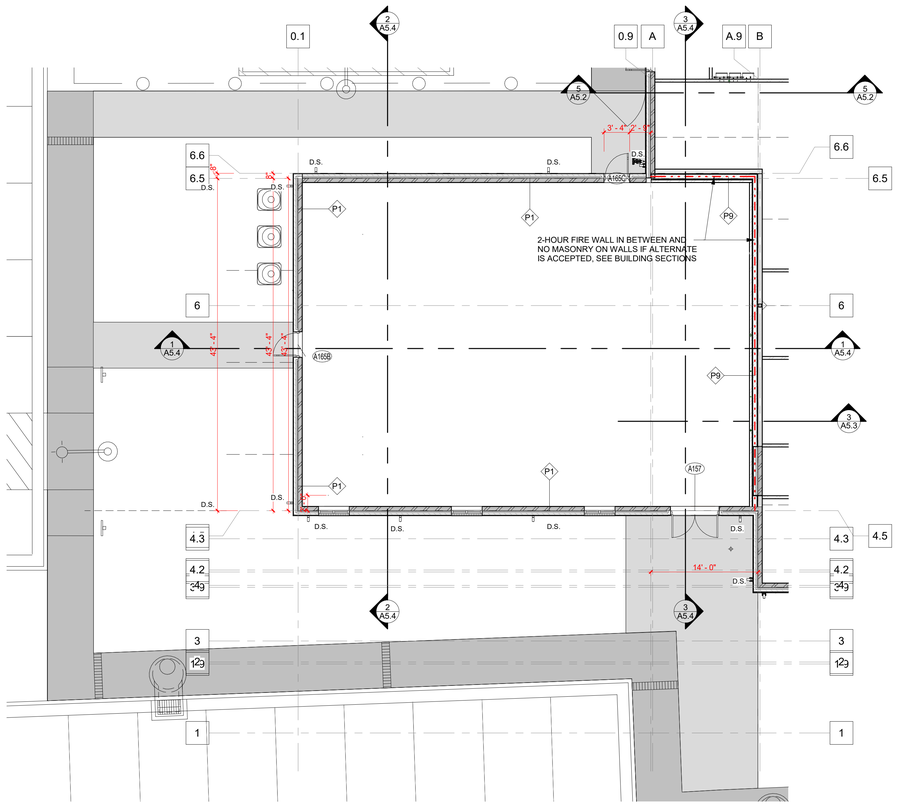
ALABAMA REGISTERED No. 26754 PROFESSIONAL ENGINEER TIMOTHY A. ROBERTS 04-16-2025

3/21/2024 11:29:03 AM



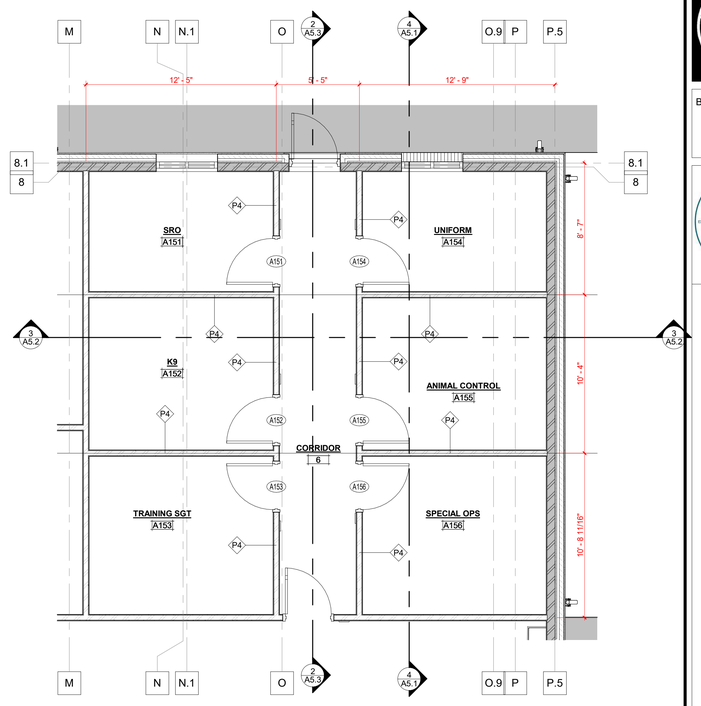
NORTH

5 A2.4 REFLECTED CEILING PLAN - ALTERNATE COURT ROOM SHELL
1/8" = 1'-0"



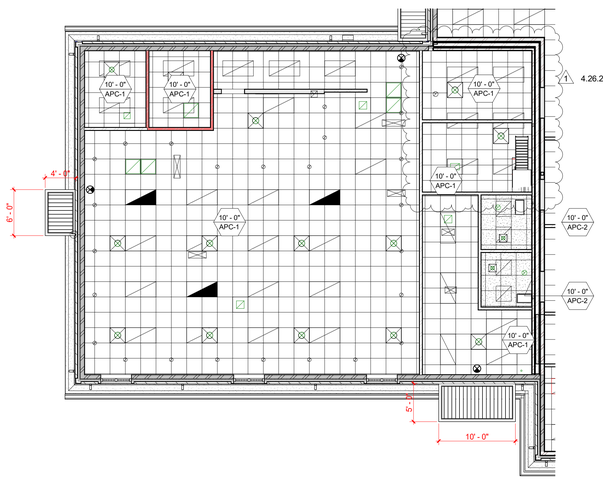
NORTH

4 A2.4 FLOOR PLAN - ALTERNATE COURTROOM SHELL
1/8" = 1'-0"



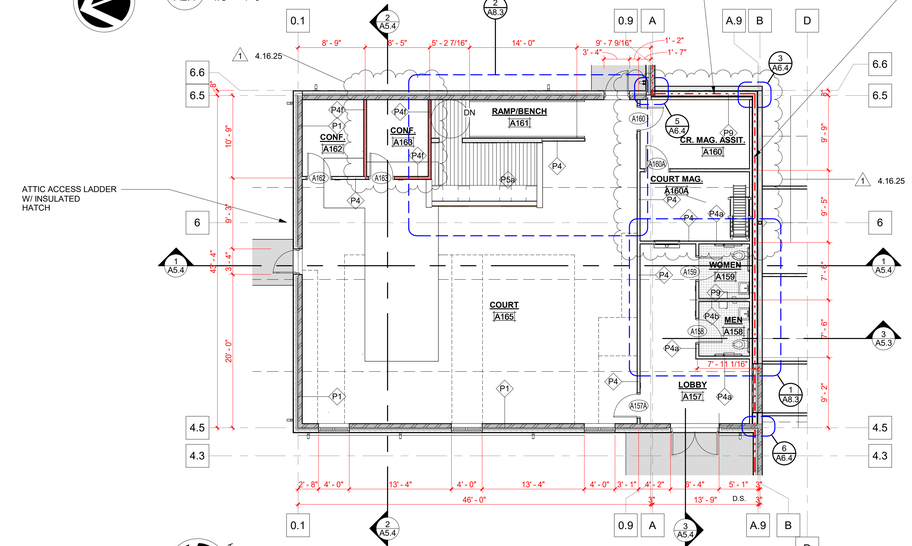
NORTH

7 A2.4 6 OFFICE BUILD OUT FLOOR PLAN - ALTERNATE
1/4" = 1'-0"



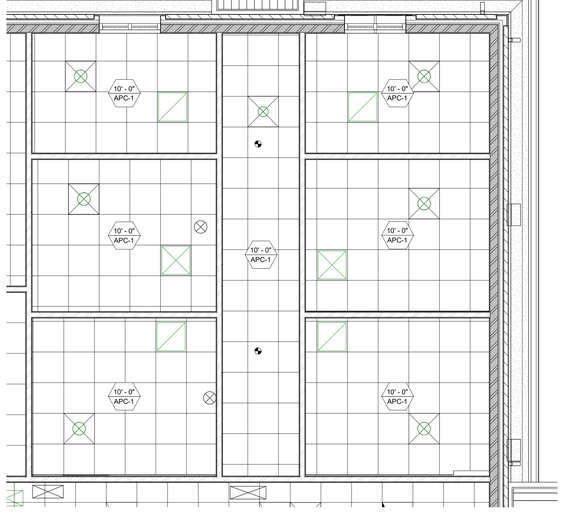
NORTH

2 A2.4 REFLECTED CEILING PLAN - ALTERNATE COURT ROOM BUILD OUT
1/8" = 1'-0"



NORTH

1 A2.4 FLOOR PLAN - ALTERNATE COURTROOM BUILD OUT
1/8" = 1'-0"



1 4.16.25

NORTH

6 A2.4 6 OFFICE BUILD OUT RCP - ALTERNATE
1/4" = 1'-0"

PARTITION LEGEND:

MARK	SYMBOL	DESCRIPTION	RATING
P1	EXTERIOR / INTERIOR	MASONRY VENEER, 2" AIR SPACE, 1" RIGID INSULATION, 1/2" GYPSUM SHEATHING WITH FAMAB, 6" METAL STUD, R-19 BATT INSULATION, 5/8" GYPSUM BOARD TO AIR BARRIER ON BOTTOM OF TRUSSES	
P2	EXTERIOR / INTERIOR	MASONRY VENEER, 2" AIR SPACE, 1.5" RIGID INSULATION, FAMAB, 12" CMU, 1.5" METAL FURRING, 5/8" GYPSUM BOARD, EXTEND GYP BOARD TO AIR BARRIER ON BOTTOM OF TRUSSES	2 HOUR
P3		12" CMU, 1.5" METAL FURRING, 5/8" GYPSUM BOARD ON BOTH SIDES. EXTEND GYP. BD. TO AIR BARRIER AND ON BOTTOM OF TRUSSES AND TO CONCRETE ROOF DECK	
P4		3 5/8" METAL STUDS @ 16" O.C. WITH 5/8" GYP. BD. BOTH SIDES WITH SAFB (SOUND BATTS). ALL STUDS TO BOTTOM OF TRUSS CHORD. EXTEND GYP BD. TO AIR BARRIER ON BOTTOM OF TRUSSES.	
P4a		3 5/8" METAL STUDS @ 16" O.C. WITH 5/8" GYP. BD. BOTH SIDES WITH SAFB (SOUND BATTS). ALL STUDS TO BOTTOM OF TRUSS CHORD. EXTEND GYP BD. TO AIR BARRIER ON BOTTOM OF TRUSSES. WALL TILE ON ONE SIDE UP TO 10'-0"	
P4b		3 5/8" METAL STUDS @ 16" O.C. WITH 5/8" GYP. BD. BOTH SIDES WITH SAFB (SOUND BATTS). ALL STUDS TO BOTTOM OF TRUSS CHORD. EXTEND GYP BD. TO AIR BARRIER ON BOTTOM OF TRUSSES. WALL TILE ON BOTH SIDES UP TO 10'-0"	
P4c		3 5/8" METAL STUDS @ 16" O.C. WITH 5/8" GYP. BD. ON ONE SIDE WITH SAFB (SOUND BATTS). ALL STUDS TO BOTTOM OF TRUSS CHORD. EXTEND GYP BD. TO AIR BARRIER ON BOTTOM OF TRUSSES. WALL TILE ON ONE SIDE UP TO 10'-0"	
P4d		3 5/8" METAL STUDS @ 16" O.C. WITH 5/8" GYP. BD. BOTH SIDES WITH SAFB (SOUND BATTS). ALL STUDS TO BOTTOM OF TRUSS CHORD AND EXTEND GYP BD. TO AIR BARRIER ON BOTTOM OF TRUSSES	
P5		PLUMBING WALL: 6" METAL STUDS WITH MOISTURE RESISTANT GYP BOARD ON RESTROOM SIDE ALONG WITH WALL TILE UP TO 10'-0" AND SAFB (SOUND BATTS)	
P5a		6" METAL STUDS @ 16" O.C. WITH 5/8" GYP. BD. BOTH SIDES WITH SAFB (SOUND BATTS). ALL STUDS TO BOTTOM OF TRUSS CHORD AND EXTEND GYP BD. TO 8" ABOVE CEILING. PROVIDE ALL BLOCKING FOR BRONZE PLAQUE (ALTERNATE)	
P6		8" CMU, 1.5" METAL FURRING, 5/8" GYPSUM BOARD. EXTEND GYP. BD. TO AIR BARRIER AND ON BOTTOM OF TRUSSES.	
P7		8" CMU, 1.5" METAL FURRING, 5/8" GYPSUM BOARD ON BOTH SIDES. EXTEND GYP. BD. TO AIR BARRIER AND ON BOTTOM OF TRUSSES.	
P7a		8" CMU, 1.5" METAL FURRING, 5/8" GYPSUM BOARD ON BOTH SIDES. EXTEND GYP. BD. TO AIR BARRIER AND ON BOTTOM OF TRUSSES. WALL TILE ON ONE SIDE UP TO 10'-0"	
P8		8" CMU UP TO TRUSS BEARING	
P9	COURT ROOM SIDE / 2 HR	5/8" GYP ON 3-5/8" METAL STUDS ON COURT ROOM SIDE, THEN 2 HOUR FIRE WALL ASSEMBLY, THEN WITH 6" METAL STUDS AND 5/8" GYPSUM BOARD. SEE A6.4 WALL SECTIONS. 2 HOUR FIRE ASSEMBLY TO UNDER SIDE OF ROOF DECK AND SEAL. WITH SAFB (SOUND BATTS)	2 HOUR
OS1		DRAFTSTOP WALL - 1/2" GYPSUM BOARD ATTACHED TO ROOF TRUSS ON ONE SIDE. CONTRACTOR AND TRUSS SUPPLIER TO PROVIDE ALL BLOCKING NECESSARY OF ATTACHMENT OF GYP BD. ALSO BLOCKING NECESSARY FOR A COMPLETE INSTALL OF DRAFT STOP DOOR. SEE ATTIC PLAN	
P4f		3 5/8" METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYP. BD. BOTH SIDES WITH SAFB (SOUND BATTS). ALL STUDS TO BOTTOM OF TRUSS CHORD. EXTEND GYP BD. TO AIR BARRIER ON BOTTOM OF TRUSSES. AIR BARRIER AT TRUSSES TO BE TO BE 1 HOUR UL RATED ASSEMBLY	1 HOUR

PARTITION NOTES:
1. THIS LEGEND IS PRESENTED AS A GENERAL REFERENCE ONLY. CONTRACTOR IS REQUIRED TO REFER TO ENTIRE DRAWING SET AND SPECIFICATIONS FOR EXACT WALL CONDITIONS AND COORDINATION REQUIREMENTS. THESE NOTES FOR WALL TYPES ARE CONSIDERED "UNLESS OTHERWISE NOTED IN THE DRAWINGS"
2. SPACE WALL STUDS @ NO MORE THAN 16" O.C. TYP. UNLESS NOTED OTHERWISE OR AS REQUIRED IN STRUCTURAL DRAWINGS AND SPECIFICATIONS
3. CONTRACTOR TO PROVIDE ALL IN WALL BLOCKING FOR CONTRACTOR SUPPLIED CASEWORK,RESTROOM ACCESSORIES, AND OWNER SUPPLIED FURNITURE / EQUIPMENT.
4. CONTRACTOR TO PROVIDE CAULKING FOR ALL CASEWORK. CLEAR SILICONE FOR TOPS AND PAINTABLE CAULK FOR SIDES
5. CONTRACTOR TO COORDINATE WITH OWNERS OTHER CONTRACTORS FOR FURNITURE INSTALLATION, AUTO / VISUAL EQUIPMENT, IT INSTALLATIONS, ETC. FOR "IN WALL" REQUIREMENTS
6. MOISTURE RESISTANT GYP. BD. IN ALL WET LOCATIONS AND BEHIND ALL WALL TILE. PREP GYP. BD. PER MANUF. REQUIREMENTS FOR A WARRANTED INSTALL OF TILE. FOLLOW TNCA HANDBOOK BEST PRACTICES. TILE WALL MOCKUP FOR APPROVAL BY ARCHITECT REQUIRED.
7. CONTRACTOR TO PROVIDE ALL NECESSARY PRESSURE TREATED (P.T.) CONTINUOUS NAILERS AND BLOCKING AT TOPS OF ALL MASONRY WALLS
8. LABEL FIRE AND DRAFTSTOP WALLS LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION (BOTH SIDES, LETTERING TO BE 3" HIGH WITH 3/8" STROKE).
9. SAFB BATTS TO EXTEND TO AIR BARRIER AT BOTTOM OF TRUSSES
10. WALL LAYOUT COORDINATION MEETINGS IS REQUIRED FOR ARCHITECT TO REVIEW ANY CONFLICTS PRIOR TO FRAMING. IF CONTRACTOR PROCEEDS WITHOUT REVIEWING ANY WALL LAYOUTS WITH THE ARCHITECT REVIEW, CONTRACT WILL BE RESPONSIBLE FOR ANY CORRECTIONS NEEDED. FLOOR FI&FI MUST BE INSPECTED FOR COMPLIANCE BY OWNER'S THIRD PARTY PRIOR TO WALL FRAMING
11. INTERIOR PARTITIONS, NON LOAD BEARING, SHALL COMPLY WITH SEISMIC DESIGN REQUIREMENTS OF ASCE 7-16 AND ASI S220. STUDS SHALL BE MINIMUM 20 GAUGE UNLESS OTHERWISE NOTED. ALL PARTITIONS TO GO TO BOTTOM OF TRUSSES AND FASTEN FOR LATERAL BRACING REQUIREMENTS
12. AT WALL TILE LOCATIONS, USE GLASS-MAT GYP BD. AS SUBSTRATE PER TCNA W245 (SEE SPECS)

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ISSUE:
3.31.25 BID
4.16.25 ADD #2

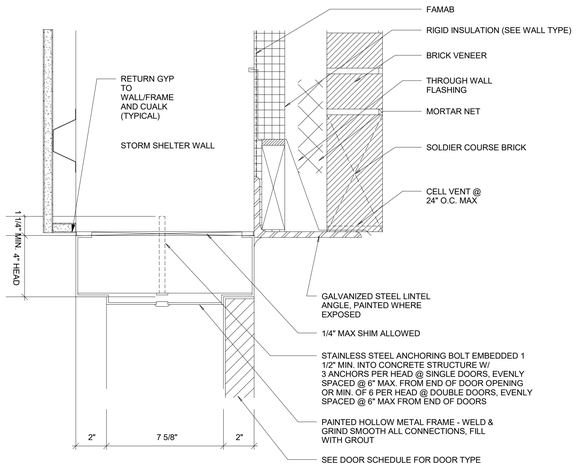
JOB NO.
24001

DESCRIPTION:
COURT RM. SHELL PLAN AND RCP & BUILD OUT & 6 OFFICE BUILD OUT ALTERNATES

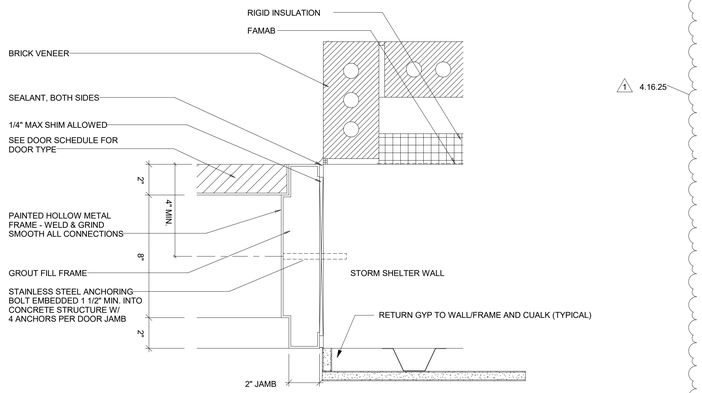
SHEET
A2.4

STATE OF ALABAMA
WILLIAM WHITTAKER
6524
REGISTERED ARCHITECT

4/17/2025 6:43:12 AM

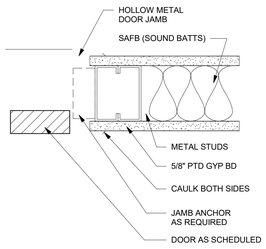


HEAD DETAIL @ EXTERIOR STORM SHELTER DOOR

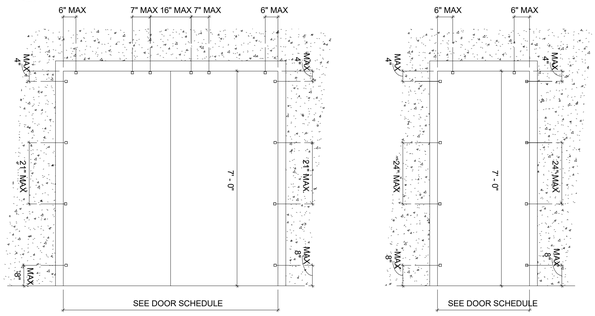


JAMB DETAIL @ EXTERIOR STORM SHELTER DOOR

2 A7.1 STORM SHELTER DOOR DETAILS
3" = 1'-0"



4 A7.1 HM FRAME JAMB DETAIL - TYPICAL (INTERIOR)
3" = 1'-0"



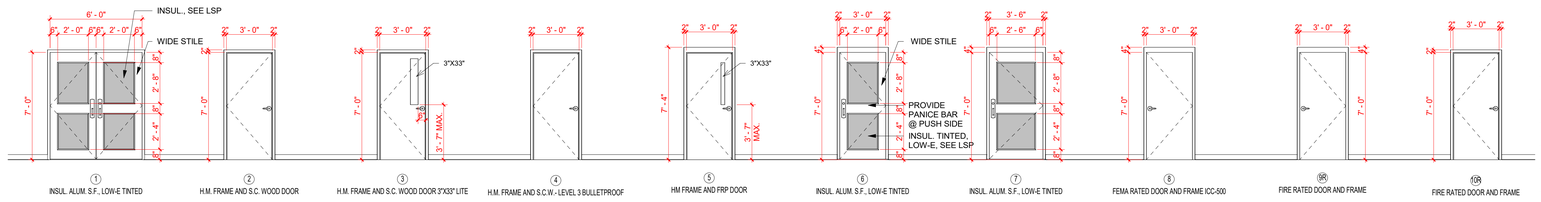
ANCHORING METHOD SHOWN IS FOR WELDED PIPE SPACER W/ 3/8" POWERS BOLT EMBEDDED ANCHORS SHALL BE PROVIDED AS PER MANUFACTURER'S RECOMMENDATIONS W/ A MAXIMUM SHIM OF 1/4" SIGNED AND SEALED ANCHOR CALCULATIONS MUST BE PROVIDED ON REQUEST

DOOR ANCHORING @ STORM SHELTER

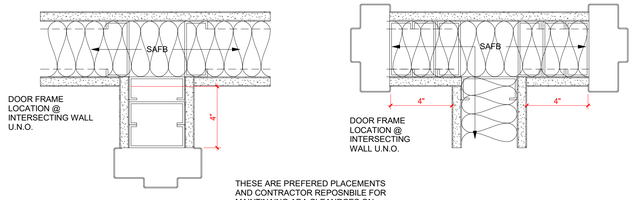
3 A7.1 STORM SHELTER ANCHORING PLAN
3/4" = 1'-0"

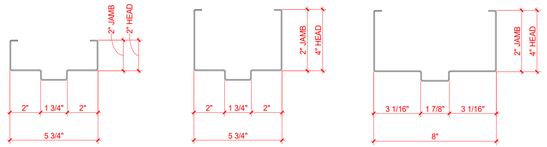
DOOR SCHEDULE

ROOM NAME	ROOM #	DOOR	HDW. SET #	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	DOOR GLASS	FRAME MAT.	FRAME TYPE	FRAME HEAD	FRAME JAMB	FRAME SILL	FIRE LABEL	SIGNAGE	COMMENTS
CORRIDOR	1	2A	03	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						ACCESS CONTROLLED
CORRIDOR	3	2B	03	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						ACCESS CONTROLLED
CORRIDOR	3	3A	02.1	5	3' - 0"	7' - 0"	1 3/4"	FRP	3X33	H.M.	F-2						ACCESS CONTROLLED
CORRIDOR	3	3B	02.1	5	3' - 0"	7' - 0"	1 3/4"	FRP	3X33	H.M.	F-2						ACCESS CONTROLLED
CORRIDOR	5	4	03	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						ACCESS CONTROLLED
CORRIDOR	3	6A	03	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
CORRIDOR	6	6B	02.1	5	3' - 0"	7' - 0"	1 3/4"	FRP	3X33	H.M.	F-2						ACCESS CONTROLLED
MAIN LOBBY	101	101A	01	1	6' - 0"	7' - 0"	1 3/4"	ALUM./GLASS	INSUL./LOW-E/ TINTED	ALUM. S.F.		4"					
MAIN LOBBY	101	101B	03	4	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-2						ACCESS CONTROLLED , LEVEL 3 BULLET RESISTANT
MAIN LOBBY	101	101C	03	4	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-2						ACCESS CONTROLLED , LEVEL 3 BULLET RESISTANT
ADA RR	102	102	04	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
ADA RR	103	103	04	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
REPORT	104	104	05	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
REPORT	104	104D	05	4	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-2						ACCESS CONTROLLED , LEVEL 3 BULLET RESISTANT
RECORDS	106	106	06	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
CONF	107	107	07	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
OFFICE B	108	108	08	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
OFFICE A	110	110	08	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
RECORDS CLERK	111	111	06	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
FILES	112	112	06	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
OFFICE C	113	113	09	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
CHIEF	114	114	09	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
CHIEF	114	115	04	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
CHIEF	114	116	10	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
DEPUTY CHIEF	118	117	10	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
DEPUTY CHIEF	118	118	09	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
ADMIN ASST.	120	120	09	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
EVIDENCE	121	121	09	9R	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-2				90 MIN.		ACCESS CONTROLLED
EVD. LOCKER	122	122	11	9R	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-2				90 MIN.		
WOMENS	123	123A	12	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
WOMENS	123	123B	12	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
W. LOCKER	124	124	11	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
CORRIDOR	3	125	06	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
ELEC.	126	126	13	5	3' - 0"	7' - 0"	1 3/4"	FRP	3X33	H.M.	F-2						
MENS	128	128A	12	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
CORRIDOR	1	128B	12	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
M. LOCKER	129	129	11	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
ARMORY	131	131	06	9R	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1				90 MIN.		
INVEST. OFFICE	132	132	09	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
INVESTIGATIONS	133	133	03	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						ACCESS CONTROLLED
INVEST. CAPT.	134	134	09	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
INVEST. OFFICE A	135	135	09	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
FILES	136	136	06	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
INVEST. OFFICE C	137	137	09	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
INTERVIEW 1	138	138	11	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
INTERVIEW 2	139	139	11	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
SECURE	140	140	03	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						ACCESS CONTROLLED
GYM	127	141	07	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
BREAK/STORM_SHELTER	141	141B	14	8	3' - 0"	7' - 0"	1 3/4"	INSUL. STEEL		H.M.	F-3				90 MIN.		ACCESS CONTROLS, ICC 500 RATED
BREAK/STORM_SHELTER	141	141C	14	8	3' - 0"	7' - 0"	1 3/4"	INSUL. STEEL		H.M.	F-3				90 MIN.		ACCESS CONTROLS, ICC 500 RATED
MECH./ELEC.	142	142	06	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
ADA R/R	144	144	04	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
BOOKING	149	145	06	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
PATROL WORK AREA	148	146	06	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
ADA RR	147	147A	04	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
IT	130	147B	06	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
CORRIDOR	3	148	14	8	3' - 0"	7' - 0"	1 3/4"	INSUL. STEEL		H.M.	F-3				90 MIN.		ICC 500 RATED
BOOKING	149	149A	09	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
BOOKING	149	149B	02.2	7	3' - 6"	7' - 0"	1 3/4"	ALUM./GLASS	INSUL./LOW-E/ TINTED	ALUM. S.F.		4"					ACCESS CONTROLLED
CORRIDOR	3	150A	09	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
PATROL CAPT.	150	150B	09	3	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-1						
SRO	A151	A151	07	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
K9	A152	A152	07	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
TRAINING SGT	A153	A153	07	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
UNIFORM	A154	A154	07	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
ANIMAL CONTROL	A155	A155	07	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
SPECIAL OPS	A156	A156	07	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
LOBBY	A157	A157	15	1	6' - 0"	7' - 0"	1 3/4"	ALUM./GLASS	INSUL./LOW-E/ TINTED	ALUM. S.F.		4"					PAIR DOORS
COURT	A165	A157A	07	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
MEN	A158	A158	04	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
WOMEN	A159	A159	04	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
CR. MAG. ASSIT.	A160	A160	07	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
CR. MAG. ASSIT.	A160	A160A	07	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
CONF.	A162	A162	04	2	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1						
CONF.	A163	A163	04	10R	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD		H.M.	F-1				45 MIN		
COURT	A165	A165B	16	5	3' - 0"	7' - 0"	1 3/4"	SOLID CORE WOOD	3X33	H.M.	F-2						
COURT	A165	A165C	02.1	5	3' - 0"	7' - 0"	1 3/4"	FRP	3X33	H.M.	F-2						ACCESS CONTROLLED

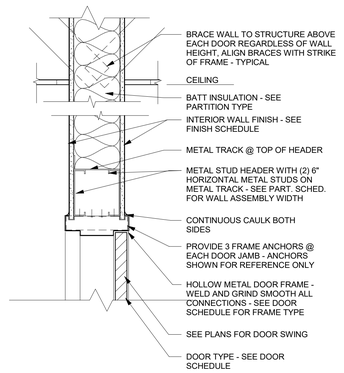


1 A7.1 DOOR TYPES
1/4" = 1'-0"

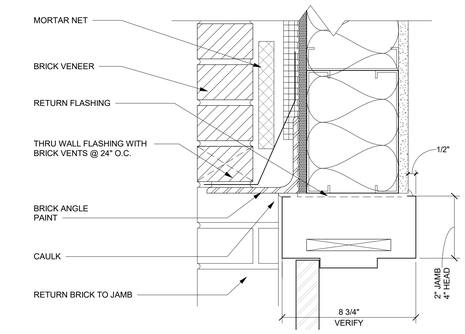




9 A7.1 HOLLOW METAL FRAME TYPES
3" = 1'-0"



5 A7.1 HEAD/JAMB DETAIL - GYP ON STUD(INTERIOR)
1 1/2" = 1'-0"



6 A7.1 TYPICAL HM HEAD- EXTERIOR
3" = 1'-0"

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ISSUE:
3.31.25 BID
4.16.25 ADD #2

1

JOB NO.
24001

DESCRIPTION:
DOOR AND FRAME TYPES

SHEET
A7.1

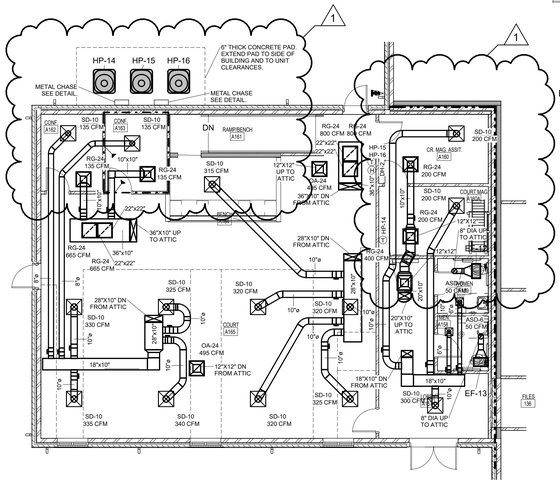
STATE OF ALABAMA
WILLIAM WHITTAKER
6524
REGISTERED ARCHITECT

4/17/2025 6:42:08 AM

DIFFUSER SCHEDULE

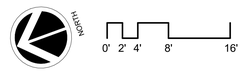
Tag	Size	Type	Neck Size	Model Number	Manufacturer	Notes
ASD-6	12"X12"	SUPPLY	6" DIA	TDC-AA	TITUS	ALUMINUM
ASD-8	24"X24"	SUPPLY	8" DIA	TDC-AA	TITUS	ALUMINUM
ASD-10	24"X24"	SUPPLY	10" DIA	TDC-AA	TITUS	ALUMINUM
SED-8	24"X24"	SUPPLY	8" DIA	SG-TDC	TITUS	SECURITY GRILLE
TG-24	24"X24"	TRANSFER	22"X22"	8F	TITUS	ALUMINUM
SSD-8	12"X12"	SUPPLY	8" DIA	TDC	TITUS	
SD-6	24"X24"	SUPPLY	6" DIA	TDC	TITUS	
SD-8	24"X24"	SUPPLY	8" DIA	TDC	TITUS	
SD-10	24"X24"	SUPPLY	10" DIA	TDC	TITUS	
OA-24	24"X24"	SUPPLY	22"X22"	8R	TITUS	
RG-24	24"X24"	RETURN	22"X22"	8RF	TITUS	TO INCLUDE 1" FILTER
DG-1616	16"X16"	TRANSFER	---	T700	TITUS	

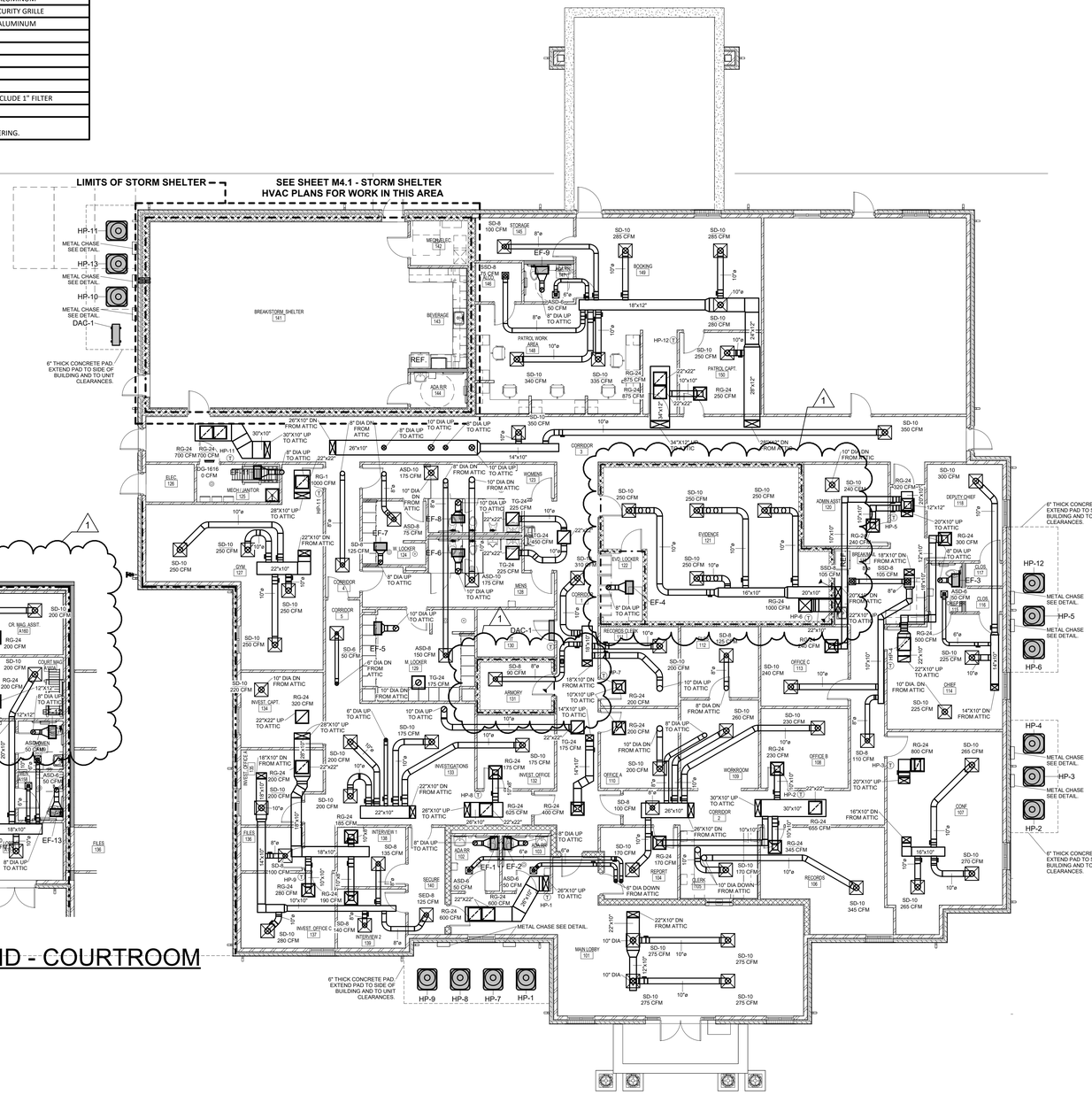
1. FURNISH AND INSTALL AN INSULATION BLANKET ON THE BACK OF ALL DIFFUSERS AND GRILLES.
2. CONTRACTOR SHALL VERIFY FINAL COLOR/FINISH OF ALL DIFFUSERS/GRILLES WITH ARCHITECT PRIOR TO ORDERING.



HVAC PLAN - ALTERNATE BID - COURTROOM

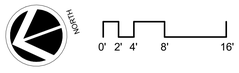
1/8" = 1'-0"

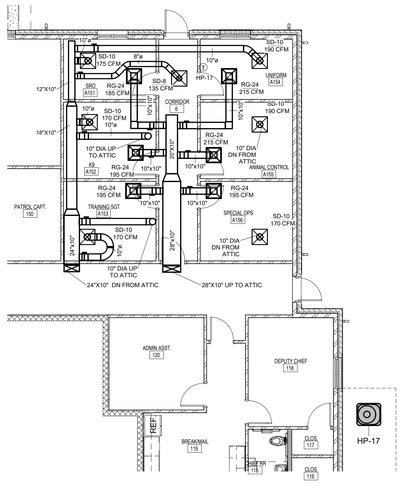


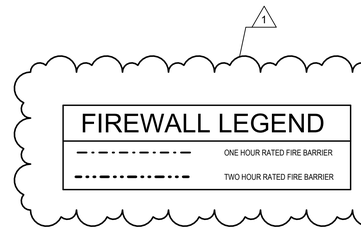


HVAC PLAN - BASE BID

1/8" = 1'-0"

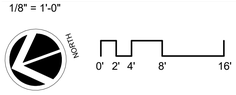






HVAC PLAN - ALTERNATE BID - OFFICE

1/8" = 1'-0"



GENERAL NOTES:

1. ALL DIFFUSERS/GRILLE RUNOUTS SHALL INCLUDE SPIN-IN WITH DAMPER.
2. ALL OUTSIDE AIR RUNOUTS, EXHAUST, ETC. AND BRANCH DUCTS SHALL INCLUDE SPIN-IN WITH DAMPER
3. REFERENCE PLUMBING PLANS FOR CONDENSATE PIPING.
4. TEST AND BALANCE IS REQUIRED FOR ALL UNITS, DUCT, GRILLES, ETC. SHOWN ON PLANS. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. ALL LOUVERS SHALL HAVE A PLENUM BOX. PLENUM BOX SHALL BE SIZED TO MATCH LOUVER DIMENSIONS. PLENUM BOX SHALL BE 18" DEEP.
6. FRESH AIR DAMPERS TO BE 120VAC, NORMALLY CLOSED. THE DAMPER SHALL BE WIRED TO OPEN WHEN ROOM LIGHTS ARE ON AND THE UNIT FAN IS RUNNING. TYPICAL UNLESS OTHERWISE NOTED.
7. MECHANICAL CONTRACTOR SHALL COORDINATE ROUTING OF REFRIGERANT LINES AND DUCTWORK WITH ALL OTHER TRADES.

WHORTON ENGINEERING, INC.
HVAC – PLUMBING – PROCESS CONTROL
Randall Whorton
RANDALL WHORTON, P.E.
PHONE: (256) 820-9897
DATE 04-16-2025
25 SUMMERALL GATE ROAD
ANNISTON, ALABAMA 36205
ALABAMA REGISTERED No.14192 PROFESSIONAL ENGINEER RANDALL D WHORTON

WHORTON ENGINEERING PROJECT NO. 23222

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ISSUE:

03.31.25 BID
1 04.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
HVAC PLANS

SHEET
M3.1

RISER DIAGRAM SYMBOLS

- STATIONAY CIRCUIT BREAKER
- STATIONARY SWITCH
- STATIONARY FUSE
- KIRK KEY INTERLOCK
- DRAWOUT CIRCUIT BREAKER - NUMBER IN CIRCLE CORRESPONDS TO MARK ON SWITCHBOARD ELEVATION AND SCHEDULE
- TRANSFORMER: DELTA PRIMARY, SOLIDLY GROUNDED, WYE SECONDARY
- POTENTIAL TRANSFORMER
- CURRENT TRANSFORMER
- MEDIUM VOLTAGE STRESS CONE
- GROUND
- AUTOMATIC TRANSFER SWITCH
- ENGINE GENERATOR
- ENCLOSURE
- PANELBOARD
- DRAWOUT CIRCUIT BREAKER WITH INTEGRAL FUSE
- STATIONARY CIRCUIT BREAKER WITH INTEGRAL FUSE
- AUTOMATIC TRANSFER SWITCH WITH BYPASS-ISOLATION
- DRAW OUT FUSE
- PAD MOUNTED TRANSFORMER
- JUNCTION BOX
- KWHD KILOWATT-HOUR/DEMAND
- LA LIGHTNING ARRESTOR
- MH MANHOLE
- PB PULL BOX
- PF POWER FACTOR METER
- EPM ELECTRONIC POWER METER
- VSR VOLTAGE SENSING RELAY
- TVSS TRANSIENT VOLTAGE SURGE SUPPRESSOR
- LOAD BREAK CONNECTION
- CABLE
- BUSSING OR BUSWAY
- NO CONNECTION
- CONNECTED

SITE ELECTRICAL

- PMT PAD MOUNTED TRANSFORMER
- PMS PAD MOUNTED SWITCH
- ELECTRICAL SERVICE RISER POLE
- GENERATOR (OUTDOOR ENCLOSURE)
- MH MANHOLE
- HH HANDHOLE
- UTILITY POLE

LIGHTNING PROTECTION & GROUNDING

- LIGHTNING PROTECTION AIR TERMINAL
- GROUND ROD, 3/4" DIA. X 10'-0" COPPER CLAD STEEL TOP DRIVEN TO 2'-0" BELOW FINISHED GRADE
- G GROUNDED SYSTEM CONDUCTOR #3/0 BARE COPPER, (2'-0" BELOW GRADE WHEN INSTALLED UNDERGROUND)

SECURITY

- CAM CAMERA - CEILING MOUNTED JUNCTION BOX WITH 1-1"C. WITH PULLSTRING TO IT/S STORAGE ROOM NO. 124.

DOOR CONTROLS

- J CR JUNCTION BOX FOR DOOR CARD READER. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- J ES JUNCTION BOX FOR ELECTRIC STRIKE. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.

1

POWER AND AUXILIARY - FLOOR OUTLETS

POKE-THRU STYLE

- FIRE RATED POKE-THRU DEVICE WITH 2 NEMA 5-20R DUPLEX RECEPTACLE LEGRAND NO. 4ATCP4RXX
- #V #D FIRE RATED POKE-THRU DEVICE, MULTI-SERVICE WITH 2 NEMA 5-20R DUPLEX RECEPTACLE & VOICE/DATA OUTLET. #V AND #D INDICATE NUMBER OF VOICE DATA OUTLETS. LEGRAND NO. 6ATC2PXX-6DJ-LB-1125CHA
- #V #D MFC FIRE RATED POKE-THRU DEVICE, MULTI-SERVICE WITH 2 NEMA 5-20R MODULAR FURNITURE DUPLEX RECEPTACLE & VOICE/DATA OUTLET. #V AND #D INDICATE NUMBER OF VOICE DATA OUTLETS. LEGRAND NO. 6ATCFFXX-1125CHA-1BHA

POUR-IN PLACE ('F' DENOTES FLUSH, 'S' DENOTES SURFACE MTD.)

- NEMA 5-20R DUPLEX RECEPTACLE LEGRAND NO. RFBA2R300G-(2)RFBADP
- #V #D MFC MULTI-SERVICE W/ NEMA 5-20R MODULAR FURNITURE DUPLEX RECEPTACLE & VOICE/DATA OUTLET #V AND #D INDICATE NUMBER OF VOICE DATA OUTLETS LEGRAND NO. RFBA4R300G-RFBA24FF-FPFFTCXX
- #V #D MULTI-SERVICE W/ NEMA 5-20R DUPLEX RECEPTACLE & VOICE/DATA OUTLET #V AND #D INDICATE NUMBER OF VOICE DATA OUTLETS LEGRAND NO. RFBA4R300G-RF(2)RFBADP-RFBADJ4LB
- #V #D MULTI-SERVICE FLOOR POCKET W/ NEAM 5-20R RECEPTACLE VOICE/DATA AND MICROPHONE OUTLETS. #V AND #D INDICATE NUMBER OF VOICE DATA OUTLETS LEGRAND NO. RFBA4R300G-RF(2)RFBADP-RFBADJ4LB-RFBADEC
- #V #D A MULTI-SERVICE W/ NEMA 5-20R DUPLEX AV RECEPTACLE & A/V VOICE/DATA OUTLET. #V AND #D INDICATE NUMBER OF VOICE DATA OUTLETS LEGRAND NO. BAT62PXX-8104JLB-8DEC-8B-(2)1125CHA-1BLH

NOTE: VERIFY LOCATION OF EQUIPMENT, FLOOR FINISH, COVER STYLE & FINISH PRIOR TO ROUGH-IN

TELE/DATA

- TELEPHONE OUTLET, 1 VOICE CONNECTION.
- W WALL TELEPHONE WITH CONDUIT, TO ABOVE ACCESSIBLE CEILING U.O.N. 1 VOICE CONNECTIO N. TO BE MOUNTED 4'-6" AFF
- #V #D VOICE/DATA OUTLET WITH CONDUIT STUBBED ABOVE ACCESSIBLE CEILING U.O.N.
- #V #D C ABOVE COUNTER VOICE/DATA OUTLET WITH CONDUIT STUBBED ABOVE ACCESSIBLE CEILING U.O.N.
- V WALL OUTLET FOR TELEVISION.
- #V #D J VOICE/DATA OUTLET WITH FLEXIBLE FURNITURE CONNECTION AND CONDUIT STUBBED ABOVE ACCESSIBLE CEILING U.O.N.
- EP EMERGENCY PHONE
- TBB BACKBOARD, 4'X8'X3/4" PLYWOOD WITH 2 COATS OF FIRE RETARDENT BLUE ENAMEL PAINT. PROVIDE 1#10-1/2"C. TO GROUNDING ELECTRODE SYSTEM.
- T CONDUIT WITH NYLON FISH CORD
- T CONDUIT WITH NYLON FISH CORD AND BUSHING TO NEAREST V/D PATHWAY

TELE/DATA CONDUIT SIZING CHART	
TOTAL NUMBER OF CABLES	CONDUIT SIZE
1-2	1/2"C.
3-4	3/4"C.
5-7	1"C.
8-12	1 1/4"C.

NOTES:

1. CONDUIT SIZES ARE BASED ON NEC 40% FILL CAPACITY WITH ALL CABLES HAVING AN OUTSIDE DIAMTER OF 0.25".
2. #V AND #D DENOTE THE NUMBER OF VOICE AND DATA CABLES RESPECTIVELY.
3. PROVIDE 2 GANG BOX WITH GANG PLASTER RING FOR ALL OUTLETS.
4. ALL OUTLETS ARE TO HAVE TWO(2) VOICE AND TWO(2) DATA CONNECTIONS U.O.N.

FIRE ALARM

DETECTION

- DUCT SMOKE DETECTOR - WITH REMOTE PILOT IN CEILING
- FA FIRE ALARM FLOW
- FA FIRE ALARM TAMPER
- FA/F FLAME DETECTOR - FLAME
- H HEAT DETECTOR
- R RELAY
- SMOKE DETECTOR
- C Z ZAM - CONTROL
- M Z ZAM - MONITOR

PANELS

- CONTROL PANEL - BASIC SHAPE
- HVAC CONTROL PANEL FOR HVAC EQUIPMENT
- FAA FIRE ALARM ANNUNCIATOR
- FAC FIRE ALARM COMMUNICATOR
- FACP FIRE ALARM CONTROL PANEL SURFACE OR FLUSH MOUNTED. (AS SHOWN ON PLANS)
- NAC FIRE ALARM NAC
- FATC FIRE ALARM TERMINAL CABINET
- FTR FIRE ALARM TRANSPONDER
- SAP SPRINKLER ALARM PANEL
- EVAC VOICE EVACUATION PANEL

SAFETY

- EPO ABORT SWITCH - EMERGENCY POWER OFF
- F FIRE ALARM CHIME
- F FIRE ALARM CHIME - STROBE
- DH FIRE ALARM DOOR HOLDER
- F FIRE ALARM HORN - STROBE
- F FIRE ALARM MINI HORN
- F FIRE ALARM PULL BOX
- F FIRE ALARM SPEAKER - CEILING
- F FIRE ALARM STROBE
- F FIRE ALARM - COMBINATION SPEAKER AND STROBE. 87DB MIN.
- FIRE ALARM STROBE - CEILING
- FIREMAN PHONE
- MIC REMOTE MIC FOR EVACUATION
- RTS REMOTE TEST SWITCH

RECEPTACLES

WALL MOUNTED

- DUPLEX RECEPTACLE - NEMA 5-20R
- DUPLEX RECEPTACLE - NEMA 5-20R, DEDICATED SERVICE/CIRCUIT
- MW DUPLEX RECEPTACLE FOR MICROWAVE - NEMA 5-20R, DEDICATED SERVICE/CIRCUIT COORDINATE HEIGHT WITH ARCHITECTURAL ELEVATION
- GFI GROUND FAULT RECEPTACLE - NEMA 5-20R GF
- RECEPTACLE MTD. ABOVE COUNTER, NEMA 5-20R
- SH DULEX RECEPTACLE - NEMA-5-20R, SHALLOW BOX
- IP DULEX RECEPTACLE - NEMA-5-20R, IPAD MOUNT COORDINATE HEIGHT WITH ARCHITECT
- WP WEATHER PROOF RECEPTACLE - NEMA 5-20R GF W/ EXTRA DUTY WET LOCATION COVER
- QUADRUPLEX RECEPTACLE - NEMA 5-20R
- SIMPLEX RECEPTACLE - NEMA 5-20R, DEDICATED SERVICE/CIRCUIT
- QUADRUPLEX RECEPTACLE - MTD. ABOVE COUNTER, NEMA 5-20R
- SINGLE RECEPTACLE - A:NEMA 5-30R, B:NEMA 6-30R, C:NEMA 14-30R
- X SINGLE RECEPTACLE - A:NEMA 5-50R, B:NEMA 6-50R, C:NEMA 14-50R
- MULTI-SERVICE WALL RECEPTACLE

CEILING MOUNTED

- DUPLEX RECEPTACLE - NEMA 5-20R
- DUPLEX RECEPTACLE - NEMA 5-20R, DEDICATED SERVICE/CIRCUIT
- SIMPLEX RECEPTACLE - NEMA 5-20R
- SINGLE RECEPTACLE - EQUIPMENT CONNECTION OR PROVISION
- SINGLE RECEPTACLE - SPECIAL PURPOSE

POWER

- GA GENERATOR ALARM / ANNUNCIATOR PANEL
- F FAN / FAN-COIL UNIT
- AC PACKAGED AIR CONDITIONING UNIT
- ELECTRIC DUCT HEATER
- U UNIT HEATER WITH FAN
- ELECTRIC BASEBOARD HEATER
- H ELECTRIC CABINET HEATER
- PEC PHOTO-ELECTRIC / PHOTOCELL SWITCH
- MAGNETIC MOTOR STARTER
- COMBINATION MAGNETIC STARTER & DISCONNECT SWITCH
- R RELAY
- ELECTRIC MOTOR
- DISCONNECT SWITCH, UNFUSED, 30A, 3P UNLESS OTHERWISE NOTED
- DISCONNECT SWITCH, FUSED, 30A, 3P UNLESS OTHERWISE NOTED
- TS TIME CLOCK SWITCH
- VD VARIABLE SPEED / VARIABLE FREQUENCY DRIVE
- C CONTACTOR
- CIRCUIT BREAKER, INDIVIDUALLY ENCLOSED
- CP CONTROL PANEL
- ATS AUTOMATIC TRANSFER SWITCH
- MTS MANUAL TRANSFER SWITCH
- M METER, WITH SOCKET ASSEMBLY
- T TRANSFORMER, GENERAL PURPOSE DRY-TYPE, REFER TO SCHEDULE

LIGHTING - EXTERIOR (SEE LUMINAIRE SCHEDULE)

- BOLLARD
- GROUND MOUNTED SPOT, FLOOR OR WELL LIGHT
- POLE MOUNTED FLOOD LIGHT
- POLE-ARM MOUNTED AREA LIGHT
- POLE-TOP MOUNTED AREA LIGHT
- WALL MOUNTED FLOOD OR AREA LIGHT

JUNCTION & OUTLET BOXES

- J JUNCTION BOX - CEILING MOUNTED
- P J POWER JUNCTION BOX - CEILING MOUNTED
- TD J TELE DATA JUNCTION BOX - CEILING MOUNTED
- J JUNCTION BOX - FLOOR MOUNTED
- J JUNCTION BOX - WALL MOUNTED
- J OUTLET BOX - WALL MOUNTED, WITH FLEXIBLE HARD WIRED CONNECTION TO EQUIPMENT
- J OUTLET BOX - CEILING MOUNTED, WITH FLEXIBLE HARD WIRED CONNECTION TO EQUIPMENT
- J OUTLET BOX - FLOOR MOUNTED, WITH FLEXIBLE HARD WIRED CONNECTION TO EQUIPMENT

LIGHTING (SEE LUMINAIRE SCHEDULE)

CEILING RECESSED

- RECESSED FLUORESCENT LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN
- RECESSED LUMINAIRE
- RECESSED WALL WASHER
- RECESSED FLUORESCENT LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN. LIFE SAFETY EMERGENCY EGRESS LIGHTING.
- RECESSED LUMINAIRE. LIFE SAFETY EMERGENCY EGRESS LIGHTING
- RECESSED WALL WASHER. LIFE SAFETY EMERGENCY EGRESS LIGHTING

CEILING - SURFACE/PENDANT

- SURFACE OR STEM MOUNTED FLUORESCENT STRIP LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN.
- SURFACE OR STEM MOUNTED FLUORESCENT LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN.
- SURFACE OR PENDANT MOUNTED LUMINAIRE
- SURFACE MOUNTED WALL WASHING LUMINAIRE
- TRACK LIGHT
- CEILING FAN
- EXIT SIGN - CEILING MOUNTED, DOUBLE FACE WITH CHEVRONS AS SHWON. SEE LUMINAIRE SCHEDULE.
- EXIT SIGN - CEILING MOUNTED, SINGLE FACE WITH CHEVRONS AS SHWON. SEE LUMINAIRE SCHEDULE.
- SURFACE OR STEM MOUNTED FLUORESCENT STRIP LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN. LIFE SAFETY EMERGENCY EGRESS LIGHTING.
- SURFACE OR STEM MOUNTED FLUORESCENT STRIP LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN. CONNECTED TO LIFE SAFETY EMERGENCY POWER SYSTEM.
- SURFACE OR PENDANT MOUNTED LUMINAIRE. LIFE SAFTEY EMERGENCY EGRESS LIGHTING.
- SURFACE MOUNTED WALL WASHING LUMINAIRE. LIFE SAFTEY EMERGENCY EGRESS LIGHTING.

WALL

- WALL MOUNTED LUMINAIRE
- WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE
- EXIT SIGN - BACK MOUNTED, SINGLE FACE WITH CHEVRONS AS SHOWN SEE LUMINAIRE SCHEDULE
- EXIT SIGN - END MOUNTED, DOUBLE FACE WITH CHEVRONS AS SHOWN SEE LUMINAIRE SCHEDULE
- WALL MOUNTED FLUORESCENT STRIP LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN. LIFE SAFETY EMERGENCY EGRESS LIGHTING.
- WALL MOUNTED LUMINAIRE LIFE SAFETY EMERGENCY EGRESS LIGHTING
- EMERGENCY EGRESS LIGHT

SWITCHES

- S SINGLE POLE SWITCH, 20A, 125/277V
- 3 S THREE WAY SWITCH, 20A, 125/277V
- 4 S FOUR WAY SWITCH, 20A, 125/277V
- 2 S DOUBLE POLE SWITCH, 20A, 125/277V
- MC S MOMENTARY CONTACT SWITCH, 1-POLE, 20A, 125/277V
- P S PILOT LIGHT SWITCH (LIGHT ON WHEN IN 'ON' POSITION) 1-POLE, 20A, 125/277V
- NL S LIGHTED TOGGLE (LIGHT ON WHEN SWITCH IS 'OFF' POSITION) 1-POLE, 20A, 125/277V
- K S KEY OPERATED SWITCH, 1-POLE, 20A, 125/277V
- T S TIME SWITCH, 1-POLE, 20A, 125/277V
- LV S LOW VOLTAGE SWITCH
- M S MOTOR SWITCH, 1-POLE, 20A, 125/277V

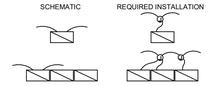
NOTES: SEE LIGHTING CONTROL LEGEND FOR ADDITIONAL CONTROLS

BRANCH CIRCUITS

- CONCEALED IN CEILING, WALL, OR IN CEILING SLAB
- CONCEALED IN OR BELOW FLOOR OR UNDERGROUND
- EXPOSED
- E EMERGENCY
- RUN IN FLEXIBLE METAL CONDUIT
- E EMPTY CONDUIT, 3/4" UNLESS OTHERWISE NOTED WITH NYLON PULL CORD
- CONDUIT SEAL FITTING: CROUSE-HINDS #EYS OR APPROVED EQUIVALENT
- HOMERUN TO PANELBOARD AND 20A, 1P BREAKER, UON.
  NOTE: SHOWN 2#12 AND 1#12(G) - 1/2"C.
  - 3#12 AND 1#12(G) - 3/4"C.
  - 4#12 AND 1#12(G) - 3/4"C.
  - 2#10 AND 1#10(G) - 3/4"C.
  - 3#10 AND 1#10(G) - 3/4"C.
  SIZE CONDUIT PER NEC FOR GREATER NUMBER OF CONDUCTORS OR AS NOTED. THE NUMBER IN THE CIRCUIT INDICATES AWG WIRE SIZE AND HASHMARKS INDICATE NUMBER OF WIRES REQUIRED. GROUND WIRE SHALL BE SIZED IN ACCORDANCE WITH NEC TABLE 250-95. NUMBER OF HASHMARKS DOES NOT INCLUDE GROUND WIRE.
- RISER: UP, RUNNING TO SOURCE
- RISER: DOWN, RUNNING TO SOURCE

BRANCH CIRCUIT WIRING FOR LIGHTING IS SHOWN SCHEMATICALLY. EACH LUMINAIRE IS TO BE INSTALLED WITH AN ADDITIONAL FLEXIBLE CONNECTION. FOR EXAMPLE:

SCHEMATIC REQUIRED INSTALLATION



PANELBOARDS

- LIGHTING PANEL: SEE PANELBOARD SCHEDULE AND SPECIFICATIONS
- RECEPTACLE PANEL: SEE PANELBOARD SCHEDULE AND SPECIFICATIONS
- POWER PANEL: SEE PANELBOARD SCHEDULE AND SPECIFICATIONS

ELECTRICAL NOTES

1. THESE DRAWINGS ARE A PART OF A COMPLETE SET OF ARCHITECTURAL/ENGINEERING CONTRACT DOCUMENTS. ELECTRICAL CONTRACTOR SHOULD REFER TO THE ARCHITECTURAL DRAWINGS FOR ACTUAL LOCATION OF ITEMS WHERE SPECIFIED. SEE SAID CONFIGURATIONS FOR WALL DEFINITIONS, ELEVATIONS, CASEWORK, REFLECTED CEILING PLAN, ETC. ROUGH-IN INSTALLATIONS WHICH ARE NOT LOCATED ACCORDING TO THE ARCHITECTURAL ELEVATIONS SHALL BE RELOCATED AT NO ADDITIONAL COST.
2. CEILING CLEARANCES ARE CRITICAL FOR THE PROJECT. GENERAL CONTRACTOR MUST COORDINATE ALL TRADES TO AVOID POTENTIAL INTERFERENCES. CONFLICTS BETWEEN TRADES SHALL BE REFERRED TO THE ARCHITECT FOR RESOLUTION.
3. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NEC AND LOCAL ORDINANCES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
4. ALL SYMBOLS SHOWN ON THIS LEGEND MAY NOT BE USED.
5. ALL PANELBOARDS ARE 3PH, 4W UNLESS OTHERWISE NOTED.
6. ALL BRANCH CIRCUIT CONDUIT SHALL BE GALVANIZED EMT, 3/4" CONDUIT MINIMUM.
7. ALL CIRCUITS SHOWN CONCEALED SHALL BE RUN IN FURRED CEILING SPACES AND SHALL BE CONCEALED IN CONCRETE SLAB ONLY WHEN NO FURRED CEILING SPACE IS PROVIDED.
8. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS.
9. ALL OUTLET BOXES MOUNTED BACK-TO-BACK IN WALLS SHALL HAVE FIREPROOF SOUND INSULATING MATERIAL INSTALLED BETWEEN THE BOXES TO PREVENT SOUND TRANSMISSION FROM ONE ROOM TO THE OTHER.
10. ALL FLUSH MOUNTED PANELS SHALL HAVE 3-1" EMPTY CONDUITS STUBBED OUT ABOVE CEILING FOR FUTURE CIRCUITS.
11. ALL WALL OUTLETS NOT PROVIDED WITH A DEVICE BY THIS CONTRACTOR SHALL BE PROVIDED WITH BLANK WALL PLATES.
12. ALL BRANCH CIRCUITS SHALL INCLUDE A GREEN COVERED GROUND WIRE SIZED PER NEC OR AS SHOWN. CONNECT TO EACH DEVICE AND OUTLET BOX ON THE CIRCUIT AND TO THE PANELBOARD GROUND BUS. MULTIPLE WIRE BRANCH CIRCUITS WITH COMMON NEUTRAL REQUIRE ONLY ONE GROUND WIRE. NUMBER OF WIRES SHOWN ON DRAWINGS DOES NOT INCLUDE GROUND WIRE.
13. FINAL EQUIPMENT CONNECTIONS - THIS CONTRACTOR IS RESPONSIBLY FOR PROVIDING ALL LABOR AND MATERIALS REQUIRED TO MAKE FINAL CONNECTIONS TO ALL EQUIPMENT FURNISHED BY THIS CONTRACTOR AND/OR EQUIPMENT FURNISHED BY OTHERS. VERIFY ALL REQUIREMENTS, CONDUCTOR SIZE, OVERCURRENT PROTECTION, PHASE, VOLTAGE, MOTOR ROTATION, ETC., WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE FUSED DISCONNECT IF REQUIRED BY MANUFACTURER.
14. FURNISH AND INSTALL FIRE ALARM SYSTEM WHICH CONFORMS TO ALL NATIONAL, STATE, AND LOCAL CODES. PROVIDE ADDITIONAL DEVICES AS REQUIRED. PROVIDE TO ARCHITECT A COMPLETE SET OF MANUFACTURER'S SYSTEM INSTALLATION PLANS INCLUDING RISER DIAGRAM, CONDUIT AND WIRING, INTERCONNECTION DIAGRAMS, DEVICE LOCATIONS AND ALL REQUIRED CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS. PROVIDE CONDUIT AND WIRING AS DIRECTED BY SYSTEM SUPPLIER.
15. IN ALL AREAS TO BE REWORKED, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL EXISTING ELECTRICAL EQUIPMENT (LIGHT FIXTURES, DEVICES, OUTLETS, ETC.) AND ALL BRANCH CIRCUITS AND FEEDERS NOT REQUIRED FOR CONTINUATION OF EXISTING CIRCUITS TO REMAIN, AND REWORK THE AREA AS SHOWN. ANY CIRCUITS BROKEN BY DEMOLITION FOR THE NEW BUILDING ALTERATIONS SHALL BE REPLACED AS REQUIRED. PROVIDE BLANK COVERS FOR ALL UNUSED OUTLETS NEEDED FOR CONTINUITY OF EXISTING CIRCUITS.
16. INFORMATION SHOWN ON THESE PLANS IS TAKEN FROM EXISTING DRAWINGS & SITE SURVEY. PRIOR TO BID, THE ELECTRICAL CONTRACTOR SHALL VISIT SITE TO SURVEY EXISTING CONDITIONS AFFECTING WORK. INCLUDE NECESSARY MATERIALS AND LABOR TO ACCOMPLISH THE ELECTRICAL WORK, INCLUDING RELOCATION OF EXISTING EQUIPMENT TO ALLOW FOR NEW CONSTRUCTION. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER & RESOLVED PRIOR TO BID. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES.
17. FOR HOMERUNS ON 20A. CIRCUITS EXCEEDING ONE HUNDRED (100) FEET FROM PANELBOARD USE #10AWG MIN.

ABBREVIATIONS

A	AMPERES	CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
AA	AMBIENT AIR COOLED		
AIC	AMPERES INTERRUPTING CAPACITY	CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
AFF	ABOVE FINISHED FLOOR		
AL	ALUMINUM		
ATS	AUTOMATIC TRANSFER SWITCH	OFOI	OWNER FURNISHED OWNER INSTALLED
AWG	AMERICAN WIRE GAUGE		
C	CONDUIT RACEWAY	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CU	COPPER		
CKTS	CIRCUITS		
CTTS	CLOSED TRANSITION TRANSFER SWITCH		
DIA	DIAMETER		
EC	ELECTRICAL CONTRACTOR	OC	ON CENTER
EM	EMERGENCY	P	POLES
EP	EXPLOSION PROOF	PF	POWER FACTOR
FA	FORCED AIR COOLED	PH	PHASES
FMC	FLEXIBLE METAL CONDUIT	PVC	POLYVINYL CHLORIDE RACEWAY
G	GROUND	RGS	RIGID GALVANIZED STEEL
H	MOUNTING HEIGHT TO CENTERLINE	UON	UNLESS OTHERWISE NOTED
HID	HIGH INTENSITY DISCHARGE	V	VOLTS
HP	HORSE POWER	W	WIRES
IG	IG	WP	WEATHERPROOF, NEMA 3R
KVA	KILOVOLT-AMPERES		
KW	KILOWATT		
LT	LIQUID TIGHT FLEXIBLE METAL CONDUIT	EX	EXISTING TO REMAIN
KCML	THOUSAND CIRCULAR MILS	XR	EXISTING, REMOVE
MV	MEDIUM VOLTAGE	XRR	EXISTING, REMOVE AND RELOCATE
N	NEUTRAL	XRL	EXISTING, RELOCATED
NEC	NATIONAL ELECTRIC CODE	XRB	EXISTING, REMOVE AND INSTALL BLANK COVER
NIC	NOT IN CONTRACT	XRP	EXISTING, REMOVE AND REPLACE WITH NEW
NL	NIGHT LIGHT		

DRAWING CONVENTIONS

- NEW WORK
- EXISTING TO REMAIN
- XR EXISTING TO REMOVE

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ISSUE:
03.31.25 BID
04.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
ELECTRICAL LEGEND & NOTES

SHEET
E00.1

ALABAMA LICENSED PROFESSIONAL ENGINEER 20063 TONY E. CHEATWOOD JR. 03/31/25

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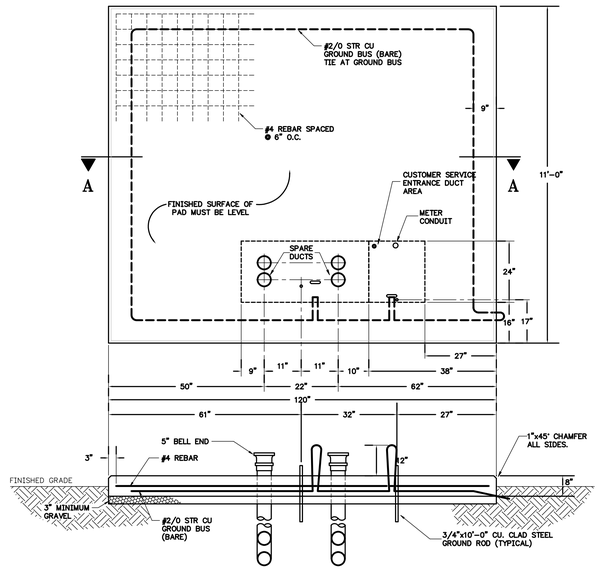
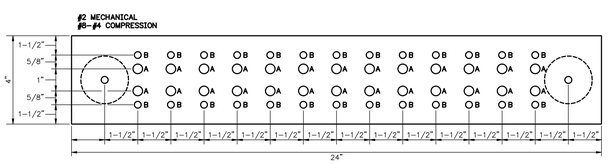


SECTION A-A

11 **DETAIL**
CONCRETE PAD FOR POWER CO. TRANSFORMER
NO SCALE

NOTES:

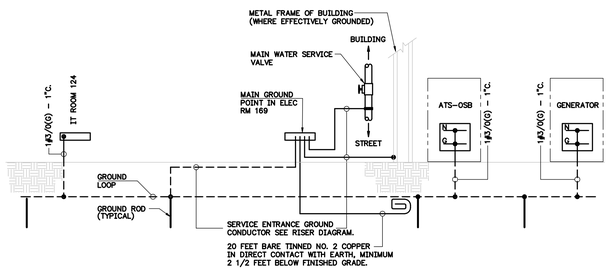
1. COORDINATE EXACT DIMENSIONS AND REQUIREMENTS WITH UTILITY.
2. PAD TO DEVELOP 3000#PSI IN 28 DAYS.



12 **DETAIL**
DRILLING OF MAIN GROUND POINT
NO SCALE

NOTES:

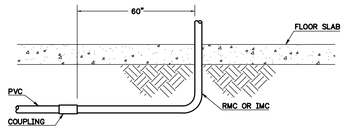
1. ALL GROUND BUSSES TO HAVE SIMILAR BOLT-HOLE PATTERN; LENGTH VARIES.



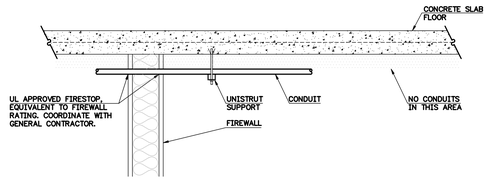
13 **DETAIL**
MAIN SERVICE GROUND
NO SCALE

NOTES:

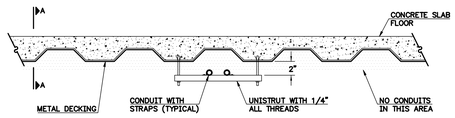
1. ALL CONDUCTORS AWG #2/0 BARE TINNED COPPER, UON.



8 **DETAIL**
BRANCH CIRCUITS AND FEEDERS SHOWN AS "PVC"
NO SCALE



SECTION "A-A"

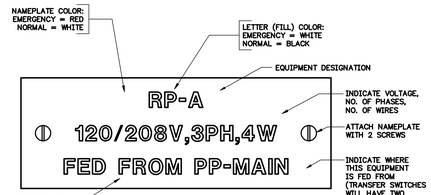


PLAN VIEW

9 **DETAIL**
TYPICAL CONDUIT PENETRATION OF FIRE WALL
NO SCALE

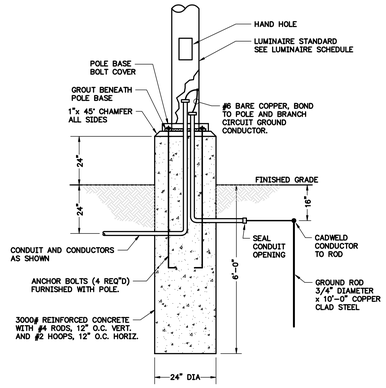
NOTES:

1. DO NOT INSTALL CONDUIT TIGHT AGAINST DECKING AND MAINTAIN MINIMUM 2" CLEARANCE AT FIREWALL PENETRATION.

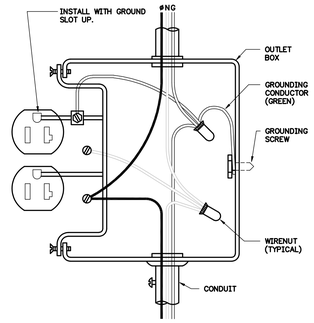


10 **DETAIL**
ELECTRICAL NAMEPLATE
NO SCALE

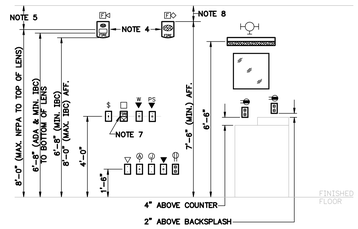
14 **RISER DIAGRAM**
TELECOM
NO SCALE



5 **DETAIL**
TYPICAL POLE BASE FOR POLE MOUNTED
NO SCALE



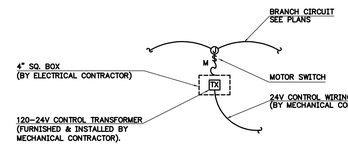
6 **DETAIL**
RECEPTACLE INSTALLATION
NO SCALE



NOTES:

1. INDICATED MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET BOX, UNLESS OTHERWISE NOTED.
2. REFER TO ARCHITECTURAL DETAILS FOR ADDITIONAL REQUIREMENTS.
3. INSTALL OUTLETS THAT ARE IN CLOSE PROXIMITY ON THE SAME CENTERLINE.
4. VERIFY MOUNTING HEIGHT WITH LOCAL AUTHORITY.
5. FOR CEILING HEIGHTS LESS THAN 86", VISUAL LENS MOUNTING HEIGHT SHALL BE WITHIN 6" OF CEILING.
6. IN SLEEPING ROOMS: 110cd STROBES, 2'-0" MIN. FROM CEILING TO TOP OF LENS FOR WITHIN 16'-0" OF PILLOW. 177cd STROBES CAN BE WITH IN THE 2'-0" MIN. FROM CEILING. THE HIGHER INTENSITY IS TO COMPENSATE FOR A POSSIBLE SMOKE LAYER.
7. 48" TO TOP OF PULL HANDLE.
8. 6" MIN. (NFPA 72) BELOW FINISHED CEILING.

7 **DETAIL**
MOUNTING HEIGHTS
NO SCALE

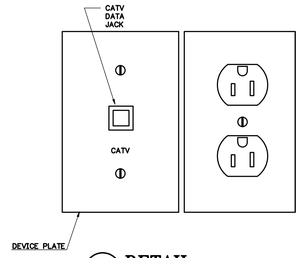


1 **WIRING DIAGRAM**
TYPICAL (SEE LIST)
NO SCALE

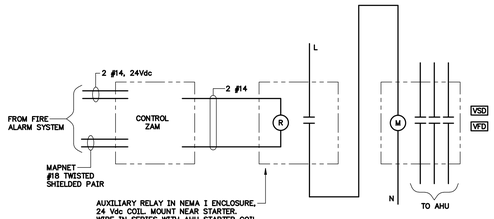
- BCU
- AHU CONTROLLER
- EXHAUST FAN CONTROLLER
- TYPICAL ROOM DIFFERENTIAL PRESSURE MONITOR
- TYPICAL HEATING COIL CONTROLLER
- TYPICAL BLOWER COIL UNIT CONTROLLER
- TYPICAL FAN COIL UNIT CONTROLLER
- TYPICAL COMBINATION FIRE AND SMOKE DAMPERS
- MISCELLANEOUS ACTUATORS

NOTES:

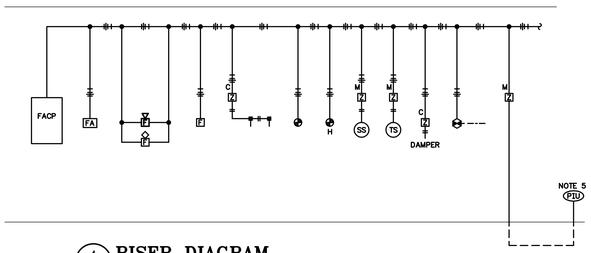
1. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF EACH DEVICE WITH THE MECHANICAL CONTROLS CONTRACTOR PRIOR TO BID AND INCLUDE 120V. POWER AT EACH.
2. MOTOR SWITCH SHALL BE WEATHER PROOF WHERE APPLICABLE.



2 **DETAIL**
TV RECEPTACLE ( )
NO SCALE



3 **WIRING DIAGRAM**
FIRE ALARM SHUTDOWN OF AHU
NO SCALE



4 **RISER DIAGRAM**
FIRE ALARM SYSTEM
NO SCALE

NOTES:

1. ALL FIRE ALARM DETECTION AND ALARM DEVICES ARE NOT SHOWN ON THIS RISER DIAGRAM. REFER TO THE FLOOR PLAN FOR QUANTITIES AND LOCATIONS OF THESE DEVICES. THE RISER DIAGRAM ILLUSTRATES THE GENERAL LAYOUT AND TYPICAL CONNECTIONS.
2. NO CONDUIT RUN SHALL EXCEED 100 FEET WITHOUT PULL BOX.
3. REFER TO SPECIFICATIONS FOR ADDTIONAL REQUIREMENTS.
4. ALL FIRE ALARM CONDUIT SHALL BE RED.
5. COORDINATE PIU LOCATION WITH CIVIL PLANS.

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205-942-0696
Attn: Tony Dodd

ISSUE:
03.31.25 BID
04.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
ELECTRICAL DETAILS

SHEET
E00.2

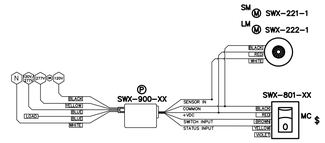
ALABAMA
KENNETH E. CHEATWOOD JR.
20063
PROFESSIONAL ENGINEER
03/25

LIGHTING CONTROLS SYSTEM

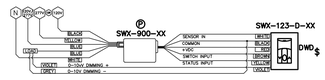
INT	ROOM CONTROLLER, EVO DISTRIBUTED CONTROL PANEL WITH INTEGRATED DIMMING RELAYS, REFER TO DRAWINGS FOR NUMBER OF RELAYS NEEDED, PROVIDE COMPATIBLE WALL STATIONS AND SENSORS AS SHOWN. ILC NO. LLEVO-INT-X OR A PRIOR APPROVED EQUIVALENT, SEE NOTE 7
TC	ROOM CONTROLLER, EVO DISTRIBUTED CONTROL PANEL WITH INTEGRATED TIME CLOCK, PROVIDE COMPATIBLE WALL STATIONS AND SENSORS AS SHOWN. ILC NO. LLEVO-TC OR A PRIOR APPROVED EQUIVALENT, SEE NOTE 7
SM Ⓜ	CEILING MOUNTED DUAL TECHNOLOGY SENSOR, SMALL MOTION, 360', LOW VOLTAGE SENSORWORX NO. SWX-221-1 OR A PRIOR APPROVED EQUIVALENT, SEE NOTE 7
LM Ⓜ	CEILING MOUNTED DUAL TECHNOLOGY SENSOR, LARGE MOTION, 360', LOW VOLTAGE SENSORWORX NO. SWX-222-1 OR A PRIOR APPROVED EQUIVALENT, SEE NOTE 7
L1 $	WALL MOUNTED ONE BUTTON DIGITAL SWITCH FOR USE WITH ROOM CONTROLLER (INT2/TC) COLORS TO BE SELECTED BY ARCHITECT. ILC NO. LSG3-XX-1 OR A PRIOR APPROVED EQUIVALENT, SEE NOTE 7
L1D $	WALL MOUNTED SINGLE BUTTON DIGITAL SWITCH FOR USE WITH ROOM CONTROLLER (INT2/TC) 0-10V DIMMING FOR SINGLE ZONE. COLORS TO BE SELECTED BY ARCHITECT. ILC NO. LSG3-XX-1-MZD OR A PRIOR APPROVED EQUIVALENT, SEE NOTE 7
L2D $	WALL MOUNTED TWO BUTTON DIGITAL SWITCH FOR USE WITH ROOM CONTROLLER (INT2/TC) 0-10V DIMMING FOR TWO ZONES. COLORS TO BE SELECTED BY ARCHITECT. ILC NO. LSG3-XX-2-MZD OR A PRIOR APPROVED EQUIVALENT, SEE NOTE 7
L4D $	WALL MOUNTED FOUR BUTTON DIGITAL SWITCH FOR USE WITH ROOM CONTROLLER (INT2/TC) 0-10V DIMMING FOR FOUR ZONES. COLORS TO BE SELECTED BY ARCHITECT. ILC NO. LSG3-XX-4-MZD OR A PRIOR APPROVED EQUIVALENT, SEE NOTE 7
DW $	WALL MOUNTED DUAL TECHNOLOGY, SINGLE RELAY, AUTO ON COLORS TO BE SELECTED BY ARCHITECT. SENSORWORX NO. SWX-121-XX OR A PRIOR APPROVED EQUIVALENT, SEE NOTE 7
DWD $	WALL MOUNTED PASSIVE INFRARED TECHNOLOGY, 0-10V DIMMING, SINGLE RELAY SENSORWORX NO. SWX-123-D-XX OR A PRIOR APPROVED EQUIVALENT, SEE NOTE 7
RS Ⓙ	REMOTE RELAY, LED LOADS TO 20A, RECEPTACLE LOADS UP TO 20A. ILC NO. R20 OR A PRIOR APPROVED EQUIVALENT, SEE NOTE 7
RSD Ⓙ	REMOTE DIMMING RELAY WITH 0-10V, LED LOADS TO 20A ILC NO. R20D OR A PRIOR APPROVED EQUIVALENT, SEE NOTE 7

LIGHTING CONTROL NOTES

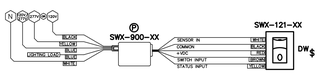
1. ALL SENSOR LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
2. CEILING MOUNTED SENSORS SHOULD BE LOCATED A MINIMUM OF SIX (6) FEET FROM HVAC SUPPLY/RETURN VENTS.
3. FIELD VERIFY PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR NON-ADAPTIVE PRODUCTS, FOLLOWING THE MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
4. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF REQUIRED NUMBER OF POWER PACKS:
   A. ONE POWER PACK IS REQUIRED FOR EACH CONTROLLED CIRCUIT.
   B. EACH POWER PACK CAN SUPPLY UP TO 150mA. REFER TO INSTALLATION GUIDE FOR MAXIMUM NUMBER OF SENSORS CONNECTED TO POWER PACK.
   C. IF MULTIPLE CIRCUITS ARE TO BE CONTROLLED BY A SINGLE SENSOR, AUXILIARY RELAYS MAY BE USED IN CONJUNCTION WITH A POWER PACK.
5. SENSORS MOUNTED OVER DOORWAYS SHOULD BE PLACED ONE (1) FOOT INSIDE THRESHOLD.
6. THE LIGHTING CONTROL SYSTEM MANUFACTURER SHALL PROVIDE SHOP DRAWINGS AND FACTORY ONSITE STARTUP. SHOP DRAWINGS SHALL INCLUDE DETAILED CUTSHEETS, WIRING DIAGRAMS AND SCALED DRAWINGS WITH DEVICE LOCATIONS.
7. APPROVED EQUIVALENT MANUFACTURERS FOR OCCUPANCY SENSORS AND LOW VOLTAGE LIGHTING CONTROLS ARE ILC AND HUBBELL. ALL LUMINAIRES AND LIGHTING CONTROLS THAT ARE NOT SPECIFIED MUST BE SUBMITTED FOR PRIOR APPROVAL TO DAYS PRIOR TO BID. LUMINAIRE AND LIGHTING CONTROLS THAT ARE THEN PRIOR APPROVED WILL BE ADDED AS AN ADDENDUM ITEM. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO REVIEW A COPY OF THE ADDENDUM TO VERIFY IF SUBMITTED ITEMS HAVE BEEN APPROVED.
8. PROVIDE LOW VOLTAGE CABLING FROM 0-10V DIMMER SWITCH TO EACH LUMINAIRE AS REQUIRED TO ACCOMPLISH 0-10V DIMMING.
9. COORDINATE WITH POWER PLANS FOR RECEPTACLE ROOM CONTROLLERS REQUIRED FOR PLUG LOAD CONTROL.
10. LIGHTING CONTROL PANELS SHALL BE NETWORKED TOGETHER, PROVIDE ALL PARTS FOR COMPLETE FUNCTIONING NETWORKED SYSTEM. PROVIDE RELAYS AND BARRIERS AS REQUIRED FOR UL924 EMERGENCY LIGHTING CIRCUITS AS INDICATED.



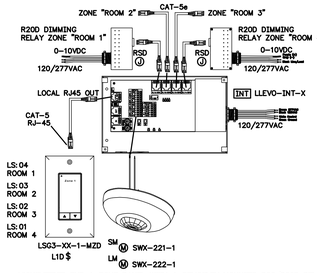
1 WIRING DIAGRAM
TYPICAL MANUAL ON VACANCY CONTROL
NO SCALE



2 WIRING DIAGRAM
TYPICAL MANUAL ON DIMMING VACANCY CONTROL
NO SCALE



3 WIRING DIAGRAM
TYPICAL MANUAL ON VACANCY CONTROL
NO SCALE

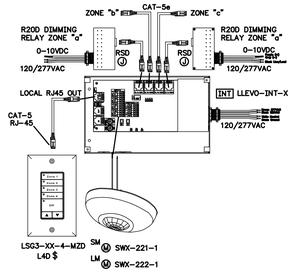


LIGHTLEEDER EVO 4-ZONE PANEL WITH 4-REMOTLEY MOUNTED R20/R20D RELAYS

5 WIRING DIAGRAM
TYPICAL ROOM CONTROLER WITH MULTIPLE ROOMS
NO SCALE

NOTES:

1. CONTRACTOR SHALL LOCATE ALL ROOM CONTROLLERS ABOVE DOORS IN EACH ROOM 6" ABOVE CEILING GRID. PROVIDE ACCESS PANELS WHERE LOCATED ABOVE HARD CEILINGS OR MOUNT IN UTILITY TYPE ROOMS WHENEVER POSSIBLE. ROOM CONTROLLERS SHOWN ON THESE PLANS ARE DIAGRAMMATIC FOR CIRCUITRY. DO NOT USE THESE FOR ACTUAL LOCATIONS. PROVIDE A WHITE PHENOLIC LABEL 1" BLACK TEXT THAT READS "INT" GLUED ON CEILING GRID UNDER ROOM CONTROLLER FOR EACH LOCATION FOR MAINTENANCE.



4 WIRING DIAGRAM
TYPICAL ROOM CONTROLER WITH MULTIPLE ZONES
NO SCALE

NOTES:

1. CONTRACTOR SHALL LOCATE ALL ROOM CONTROLLERS ABOVE DOORS IN EACH ROOM 6" ABOVE CEILING GRID. PROVIDE ACCESS PANELS WHERE LOCATED ABOVE HARD CEILINGS OR MOUNT IN UTILITY TYPE ROOMS WHENEVER POSSIBLE. ROOM CONTROLLERS SHOWN ON THESE PLANS ARE DIAGRAMMATIC FOR CIRCUITRY. DO NOT USE THESE FOR ACTUAL LOCATIONS. PROVIDE A WHITE PHENOLIC LABEL 1" BLACK TEXT THAT READS "INT" GLUED ON CEILING GRID UNDER ROOM CONTROLLER FOR EACH LOCATION FOR MAINTENANCE.

LUMINAIRE SCHEDULE

MARK	LED LUMENS	LED WATTS	LED TEMP	VOLTS	DESCRIPTION	MANUFACTURER	CATALOG NUMBER
L2	2000	20	3500	MVOLT	SURFACE MOUNTED LED STRIP, 2'-0" LENGTH	COOPER	2SNLED-LD5-41SL-LW-UNV-L835-CD-1-U
L4	4000	40	3500	MVOLT	SURFACE MOUNTED LED STRIP, 4'-0" LENGTH	COOPER	4SNLED-LD5-41SL-LW-UNV-L835-CD-1-U
L4E	4000	40	3500	MVOLT	SURFACE MOUNTED LED STRIP, 4'-0" LENGTH, PROVIDE WITH 90 MIN BATTERY BACKUP	COOPER	4SNLED-LD5-41SL-LW-UNV-EL7W-L835-CD1-U
L20	2000	20	3500	MVOLT	RECESSED DOWNLIGHT, 6" DIAMETER	COOPER	HC6-20-D010-HM6-0525-835-61-MD-C
L20E	2000	20	3500	MVOLT	RECESSED DOWNLIGHT, 6" DIAMETER, PROVIDE WITH 90 MIN BATTERY BACKUP	COOPER	HC6-20-D010-HM6-0525-835-61-MD-C-IEM7
L30	3000	20	3500	MVOLT	RECESSED DOWNLIGHT, 6" DIAMETER	COOPER	HC6-30-D010-HM6-3040-835-61-MD-C
L30E	3000	20	3500	MVOLT	RECESSED DOWNLIGHT, 6" DIAMETER, PROVIDE WITH 90 MIN BATTERY BACKUP	COOPER	HC6-30-D010-HM6-3040-835-61-MD-C-IEM7
LG33	3300	47	3500	MVOLT	RECESSED LED BRIDGE LUMINAIRE, 2'x2', LAY IN	COOPER	BRG-WS-4-L35-LD2-UNV-22-T1-STD-
LG33E	3300	47	3500	MVOLT	RECESSED LED BRIDGE LUMINAIRE, 2'x2', LAY IN, PROVIDE WITH 90 MIN BATTERY BACKUP.	COOPER	BRGBRG-WS-4-L35-LD2-UNV-22-T1-STD-EL14W
LG40	5000	47	3500	MVOLT	RECESSED LED BRIDGE LUMINAIRE, 2'x4', LAY IN	COOPER	BRG-WS-3-L35-LD2-UNV-24-T1-STD
LG40E	5000	47	3500	MVOLT	RECESSED LED BRIDGE LUMINAIRE, 2'x4', LAY IN, PROVIDE WITH 90 MIN BATTERY BACKUP.	COOPER	BRG-WS-3L35-LD2-UNV-24-T1-STD-EL7W
LG40T	5000	47	3500	MVOLT	RECESSED LED BRIDGE LUMINAIRE, 2'x4', LAY IN, PROVIDE WITH BODINE TRANSFER SWITCH	COOPER	BRG-WS-3L35-LD2-120-24-T1-STD-GTD2
P1-3	31000	258	4000	480	POLE MOUNTED SINGLE HEAD AREA LUMINAIRE, TYPE 3 DISTRIBUTION, 30'-0" STRAIGHT STEEL POLE. COLOR TO MATCH EXISTING POLE LUMINAIRES ON SITE	COOPER	GALN-SA4-C-740-208-T3-BPC
P1-4	31000	258	4000	480	POLE MOUNTED SINGLE HEAD AREA LUMINAIRE, TYPE 4 WIDE DISTRIBUTION, 30'-0" STRAIGHT STEEL POLE. COLOR TO MATCH EXISTING POLE LUMINAIRES ON SITE	COOPER	GALN-SA4-C-740-208-T4W-BPC
P1-5	31000	258	4000	480	POLE MOUNTED SINGLE HEAD AREA LUMINAIRE, TYPE 5 WIDE DISTRIBUTION, 30'-0" STRAIGHT STEEL POLE. COLOR TO MATCH EXISTING POLE LUMINAIRES ON SITE	COOPER	GALN-SA4-C-740-208-5WQ-BPC
PD1	750 PER FT	44	3500	MVOLT	PENDANT MOUNTED LED RING, 4'-0" DIAMETER	LUMENWERX	CURVMRIP-DI-4FT-HLO-HLO-SW-90CRI-350-350-35K-UNV-RD1-1C-POC-XX-SC-XX-XX
SL	2000	20	3500	MVOLT	RECESSED LED SHOWER DOWNLIGHT, 6" DIAMATER, DEAD FRONT CONSTRUCTION.	COOPER	HC4-20-D010-HB128APK-HM4-0525-835-41PS-MD-W
WP1E	;	37	4000	MVOLT	WALL MOUNTED LED AREA LUMINAIRE, TYPE 4 DISTRIBUTION, PROVIDE WITH 90 MIN BATTERY BACKUP.	NLS	NV-W-T4-16-40K-UNV-WM-BRZ
XA	;	;	;	MVOLT	CEILING MOUNTED SINGLE FACE EXIT SIGN, RED LETTERS, PROVIDE WITH 90 MIN BATTERY BACKUP.	BARRON	VEX-U-BP-WB
XB	;	;	;	MVOLT	CEILING MOUNTED DOUBLE FACE EXIT SIGN, RED LETTERS, PROVIDE WITH 90 MIN BATTERY BACKUP.	BARRON	VEX-U-BP-WB

LUMINAIRE SCHEDULE NOTES

1. PREAPPROVED EQUIVALENT MEANS ALL REQUESTS FOR APPROVAL OF MANUFACTURER'S EQUIPMENT NOT SPECIFIED IN THE LUMINAIRE SCHEDULE MUST BE RECEIVED BY THE ENGINEER TEN (10) BUSINESS DAYS PRIOR TO BID.
2. EXIT LIGHTS SHALL BE PROVIDED WITH COLOR OF LETTERS REQUIRED BY LOCAL CODE AUTHORITY. FURNISH WITH CHEVRON DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS AND REQUIRED.
3. FURNISH PLASTER FRAMES FOR ALL RECESSED LUMINAIRES IN PLASTER CEILINGS.
4. CONTRACTOR SHALL VERIFY EXACT TYPE CEILINGS BEING FURNISHED AND SUPPLY BASIC LUMINAIRES SPECIFIED IN APPROPRIATE CONFIGURATION FOR CEILING TO BE FURNISHED.
5. PROVIDE DEVICES FOR SECURING LUMINAIRE TO CEILING GRID TO COMPLY WITH SECTION 410.36B OF THE 2020 NATIONAL ELECTRICAL CODE FOR ALL LAY-IN TYPE LUMINAIRES. BENT TAB TYPE IS NOT ACCEPTABLE. IN ADDITION, THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE FOLLOWING CEILING GRID SUPPORTS:
   5.1. ONE AT EACH CORNER OF 2X4
   5.2. ONE AT DIAGONAL CORNER OF 2X2
6. EPA RATING OF ALL POLE MOUNTED LUMINAIRE SHALL MEET CURRENT IBC REQUIREMENTS FOR THIS REGION.
7. ALL LUMINAIRES AND BALLAST/DRIVERS SHALL BE RATED FOR OPERATION IN AMBIENT TEMPERATURES UP TO 55 DEGREES CELSIUS.
8. ALL EMERGENCY AND EXIT LIGHTS PROVIDED WITH BATTERY BACKUP WILL BE CONNECTED TO UNSWITCHED HOT LEG SO THAT BATTERY OPERATES UPON POWER FAILURE.
9. TO ENSURE PROPER COORDINATION AND LONG TERM SUPPORT FOR THE OWNER, ALL LIGHTING LUMINAIRES SHALL BE PURCHASED THROUGH MANUFACTURER'S REPRESENTATIVES AND DISTRIBUTORS LOCATED WITHIN SIXTY (60) MILES OF THE PROJECT SITE. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS CAUSED BY NON-COMPLIANCE WITH THIS REQUIREMENT.

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HCC NO. 24031 24031HDWG 4-16-25 DJS

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CITY OF LINCOLN, ALABAMA

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TTL
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Attn: Tony Dodd

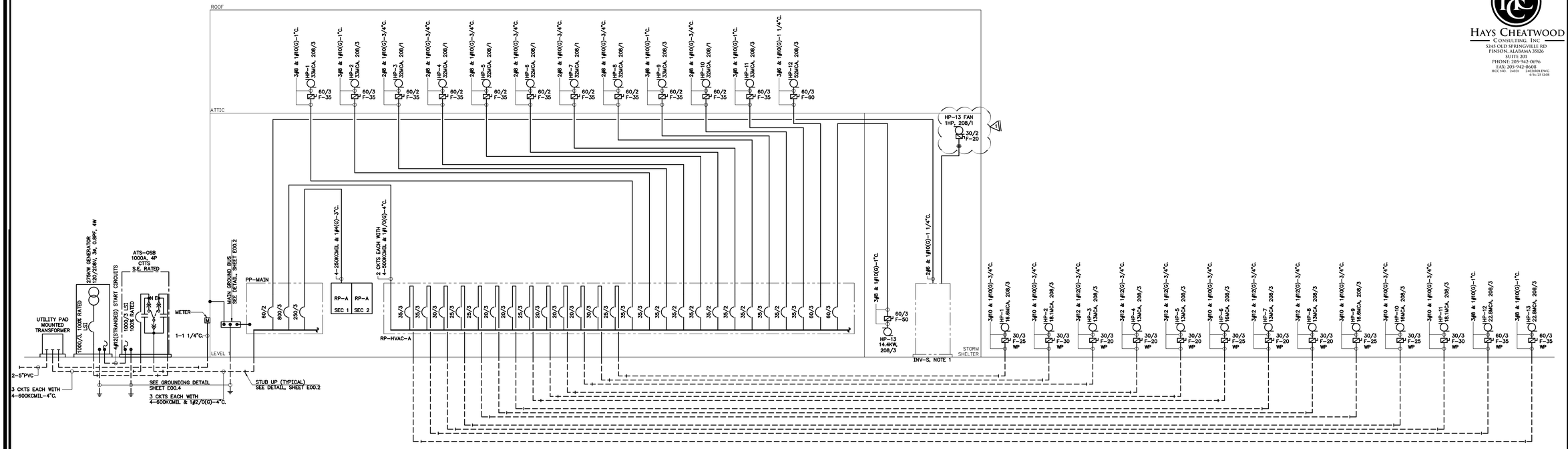
ISSUE:
03.31.25 BID
04.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
LUMINAIRE SCHEDULE & LIGHTING CONTROLS

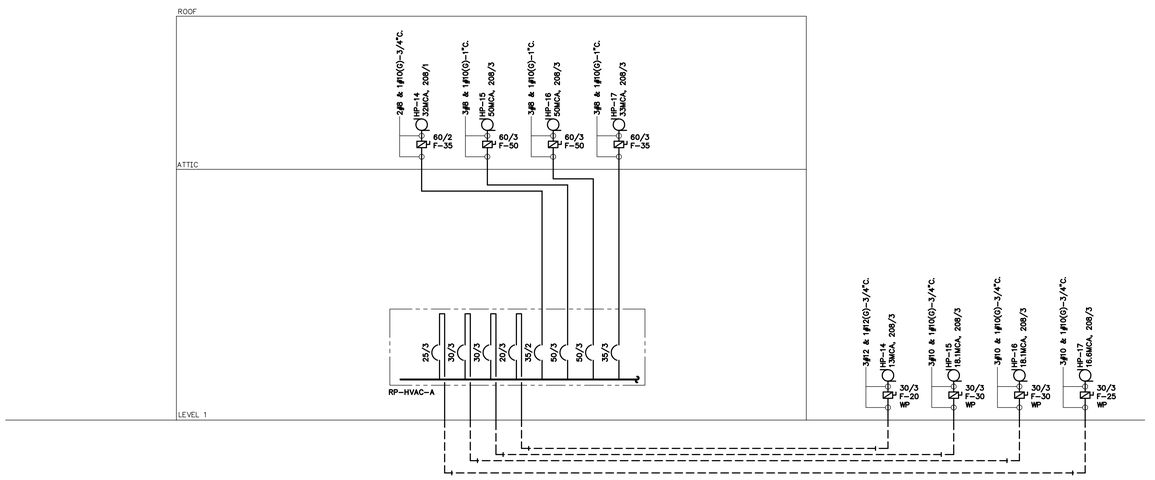
SHEET
E00.3

ALABAMA LICENSED PROFESSIONAL ENGINEER
TIMOTHY E. CHEATWOOD, JR.
NO. 20063
03/31/25



1 **RISER DIAGRAM**
POWER DISTRIBUTION
NO SCALE

NOTES:
1. PROVIDE 6KVA 120/208V, 1PH INVERTER 120 MINUTES OF RUNTIME. LVS NO: 1-E-6-S-BA2002-BA2501 OR PRE-APPROVED EQUIVALENT. PROVIDE WITH 1-20/2, 2-20/1 BREAKERS. DIMENSIONS MUST NOT EXCEED 25"D X 48"W.



1 **RISER DIAGRAM**
POWER DISTRIBUTION – ALTERNATE
NO SCALE

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HCC NO: 24031 24031RBLDWG 4-16-25 ED/JR

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CITY OF LINCOLN, ALABAMA

NEW CITY OF LINCOLN POLICE DEPARTMENT LINCOLN, ALABAMA

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ISSUE:
03.31.25 BID
04.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
RISER DIAGRAM

SHEET
E00.4

ALABAMA
RICHARD
20083
PROFESSIONAL
ENGINEER
KENNETH E. CHEATWOOD, JR.
03.31.25

1500_PP-MAIN

PANEL:	500 PP-MAIN	DC DEVICE TYPE:	Breaker	ENCLOSURE:	NEMA 1	MAINS(A):	MLO	CONTINUOUS(A):	1000
LOCATION:		DEVICE FAMILY:	Bolt On	MOUNTING:	Surface	WIRING:	3-Phase 4-Wire	BUS SC RATING(A):	42000
FED FROM:	UTILITY			VOLTAGE:	208/120			FAULT CURRENT(A):	23327
DISTRIBUTION PANELBOARD									

CUBICLE NO	DESCRIPTION	CONNECTED kVA	DEMAND kVA	DESIGN kVA	DESIGN MAX AMPS	DC DEVICE TYPE	SIZE	P	NOTES
1	INVERTER	6.67	6.67	6.67	32.05		60	3	
2	RP-HVAC-A	231.24	231.24	231.66	657.65		800	3	100% RATED
3	RP-A	86.03	57.50	61.76	190.95		250	3	
4	SPACE	0.00	0.00	0.00	0.00		150	3	
5	SPACE	0.00	0.00	0.00	0.00		150	3	
6	SPACE	0.00	0.00	0.00	0.00		150	3	
7	SPACE	0.00	0.00	0.00	0.00		150	3	
8	SPACE	0.00	0.00	0.00	0.00		150	3	

ALL CONNECTED	kVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	kVA		
TOTAL CONNECTED	320.43	926.8	* A-N	110862.0	923.2	CONNECTED	320.43	DATE:	Apr 15, 2025
TOTAL DEMAND	292.71	846.1	* B-N	111302.9	926.8	DEMAND	292.71	TIME:	12:24:23
TOTAL DESIGN	297.18	860.0	* C-N	98269.2	818.3	DESIGN	297.18		

1700_RP-A_SEC_1

PANEL:	700 RP-A SEC 1	DC DEVICE TYPE:	Breaker	ENCLOSURE:	NEMA 1	MAINS(A):	MLO	CONTINUOUS(A):	250
LOCATION:		DEVICE FAMILY:	Bolt On	MOUNTING:	Surface	WIRING:	3-Phase 4-Wire	BUS SC RATING(A):	22000
FED FROM:	PP-MAIN			VOLTAGE:	208/120			FAULT CURRENT(A):	18970
LIGHTING & APPLIANCE PANELBOARD TYPE I						PROVIDE WITH FEED-THRU LUGS			

CKT	DESCRIPTION	NOTES	DEMAND CODE	VA	DC AMPS	P	PHASE	DC AMPS	P	VA	DEMAND CODE	NOTES	DESCRIPTION	CKT
1	LIGHTS		LIGHTING	3184	20	1	A	20	1	1200	RECEPTACLES		RECEPT	22
2	LIGHTS		LIGHTING	2040	20	1	B	20	1	1200	RECEPTACLES		RECEPT	23
3	LIGHTS		LIGHTING	2460	20	1	C	20	1	1200	RECEPTACLES		RECEPT	24
4	LIGHTS		LIGHTING	220	20	1	A	20	1	800	RECEPTACLES		RECEPT	25
5	RECEPT		RECEPTACLES	1200	20	1	B	20	1	1000	RECEPTACLES		RECEPT	26
6	SPARE		RECEPTACLES	0	20	1	C	20	1	1200	RECEPTACLES		RECEPT	27
7	RECEPT		RECEPTACLES	1200	20	1	A	20	1	1000	RECEPTACLES		RECEPT	28
8	RECEPT		RECEPTACLES	1200	20	1	B	20	1	1000	RECEPTACLES		RECEPT	29
9	RECEPT		RECEPTACLES	1000	20	1	C	20	1	1000	RECEPTACLES		RECEPT	30
10	RECEPT		RECEPTACLES	1000	20	1	A	20	1	1000	RECEPTACLES		RECEPT	31
11	RECEPT		RECEPTACLES	800	20	1	B	20	1	1000	RECEPTACLES		RECEPT	32
12	RECEPT		RECEPTACLES	1000	20	1	C	20	1	1200	RECEPTACLES		RECEPT	33
13	RECEPT		RECEPTACLES	1200	20	1	A	20	1	1600	RECEPTACLES		RECEPT	34
14	RECEPT		RECEPTACLES	1400	20	1	B	20	1	1800	RECEPTACLES		RECEPT	35
15	RECEPT		RECEPTACLES	800	20	1	C	20	1	1000	RECEPTACLES		RECEPT	36
16	DATA RACK		RECEPTACLES	3744	30	2	A	20	1	1000	RECEPTACLES		RECEPT	37
17	"		-	-	"		B	20	1	1200	RECEPTACLES		RECEPT	38
18	RECEPT		RECEPTACLES	800	20	1	C	20	1	800	RECEPTACLES		RECEPT	39
19	RECEPT		RECEPTACLES	800	20	1	A	20	1	600	RECEPTACLES		RECEPT	40
20	RECEPT		RECEPTACLES	600	20	1	B	20	1	1200	RECEPTACLES		RECEPT	41
21	RECEPT		RECEPTACLES	800	20	1	C	20	1	1200	RECEPTACLES		RECEPT	42

ALL CONNECTED	kVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	kVA		
TOTAL CONNECTED	48.05	140.8	* A-N	16676.0	138.9	CONNECTED	86.03	DATE:	Apr 15, 2025
TOTAL DEMAND	32.98	97.5	* B-N	16912.0	140.8	DEMAND	57.50	TIME:	12:24:23
TOTAL DESIGN	34.95	104.6	* C-N	14460.0	120.4	DESIGN	61.76		

1705_RP-A_SEC_2

PANEL:	705 RP-A SEC 2	DC DEVICE TYPE:	Breaker	ENCLOSURE:	NEMA 1	MAINS(A):	MLO	CONTINUOUS(A):	250
LOCATION:		DEVICE FAMILY:	Bolt On	MOUNTING:	Surface	WIRING:	3-Phase 4-Wire	BUS SC RATING(A):	22000
FED FROM:	RP-A SEC 1			VOLTAGE:	208/120			FAULT CURRENT(A):	18619
LIGHTING & APPLIANCE PANELBOARD TYPE I						PROVIDE AS EQUAL SECTION			

CKT	DESCRIPTION	NOTES	DEMAND CODE	VA	DC AMPS	P	PHASE	DC AMPS	P	VA	DEMAND CODE	NOTES	DESCRIPTION	CKT
43	RECEPT		RECEPTACLES	1000	20	1	A	20	2	1536	LIGHTING		LIGHTING SITE	64
44	SPARE		SPARE	0	20	1	B	"	"	-	"		"	65
45	GEN-1,2,3		RECEPTACLES	721	20	1	C	20	2	512	LIGHTING		LIGHTING SITE	66
46	RECEPT		RECEPTACLES	1400	20	1	A	"	"	-	"		"	67
47	RECEPT		RECEPTACLES	1000	20	1	B	20	1	800	GENERAL LOAD		FACP	68
48	RECEPT		RECEPTACLES	1000	20	1	C	20	1	1200	RECEPTACLES		RECEPT	69
49	RECEPT		RECEPTACLES	1000	20	1	A	20	1	640	LIGHTING		LIGHTS	70
50	RECEPT		RECEPTACLES	1000	20	1	B	20	1	1400	RECEPTACLES		RECEPT	71
51	RECEPT		RECEPTACLES	1000	20	1	C	20	1	1200	RECEPTACLES		RECEPT	72
52	RECEPT		RECEPTACLES	800	20	1	A	20	1	1200	RECEPTACLES		RECEPT	73
53	LIGHTS		LIGHTING	2112	20	1	B	20	1	1200	RECEPTACLES		RECEPT	74
54	RECEPT		RECEPTACLES	1200	20	1	C	20	1	1200	RECEPTACLES		RECEPT	75
55	RECEPT		RECEPTACLES	1200	20	1	A	20	1	1000	RECEPTACLES		RECEPT	76
56	RECEPT		RECEPTACLES	800	20	1	B	20	1	1000	RECEPTACLES		RECEPT	77
57	RECEPT		RECEPTACLES	800	20	1	C	20	1	1200	GENERAL LOAD		GATE	78
58	RECEPT		RECEPTACLES	800	20	1	A	20	1	1000	RECEPTACLES		RECEPT	79
59	RECEPT		RECEPTACLES	800	20	1	B	20	1	1200	RECEPTACLES		RECEPT	80
60	RECEPT		RECEPTACLES	800	20	1	C	20	1	0	SPARE		SPARE	81
61	EWH-1		HEATING	4500	30	2	A	20	1	0	SPARE		SPARE	82
62	"		-	-	"		B	20	1	0	SPARE		SPARE	83
63	SPARE		SPARE	0	20	1	C	20	1	0	SPARE		SPARE	84

ALL CONNECTED	kVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	kVA		
TOTAL CONNECTED	37.99	118.4	* A-N	13820.2	110.1	CONNECTED	37.99	DATE:	Apr 15, 2025
TOTAL DEMAND	29.54	97.4	* B-N	14222.9	118.4	DEMAND	29.54	TIME:	12:24:23
TOTAL DESIGN	31.82	107.9	* C-N	10567.1	88.0	DESIGN	31.82		

1715_RP-HVAC-A_SEC_1

PANEL:	715 RP-HVAC-A SEC 1	DC DEVICE TYPE:	Breaker	ENCLOSURE:	NEMA 1	MAINS(A):	MLO	CONTINUOUS(A):	800
LOCATION:		DEVICE FAMILY:	Bolt On	MOUNTING:	Surface	WIRING:	3-Phase 4-Wire	BUS SC RATING(A):	22000
FED FROM:	PP-MAIN			VOLTAGE:	208/120			FAULT CURRENT(A):	18970
LIGHTING & APPLIANCE PANELBOARD TYPE I						PROVIDE WITH FEED-THRU LUGS			

CKT	DESCRIPTION	NOTES	DEMAND CODE	VA	DC AMPS	P	PHASE	DC AMPS	P	VA	DEMAND CODE	NOTES	DESCRIPTION	CKT
1	HP-1		MOTOR LOAD	4611	25	3	A	20	3	3603	MOTOR LOAD		HP-8	22
2	"		-	-	"		B	"	"	-	"		"	23
3	"		-	-	"		C	"	"	-	"		"	24
4	HP-2		MOTOR LOAD	5044	30	3	A	25	3	4611	MOTOR LOAD		HP-9	25
5	"		-	-	"		B	"	"	-	"		"	26
6	"		-	-	"		C	"	"	-	"		"	27
7	HP-3		MOTOR LOAD	3603	20	3	A	25	3	4611	MOTOR LOAD		HP-10	28
8	"		-	-	"		B	"	"	-	"		"	29
9	"		-	-	"		C	"	"	-	"		"	30
10	HP-4		MOTOR LOAD	3603	20	3	A	30	3	5044	MOTOR LOAD		HP-11	31
11	"		-	-	"		B	"	"	-	"		"	32
12	"		-	-	"		C	"	"	-	"		"	33
13	HP-5		MOTOR LOAD	3603	20	3	A	35	3	6341	MOTOR LOAD		HP-12	34
14	"		-	-	"		B	"	"	-	"		"	35
15	"		-	-	"		C	"	"	-	"		"	36
16	HP-6		MOTOR LOAD	4611	25	3	A	35	3	6341	MOTOR LOAD		HP-13	37
17	"		-	-	"		B	"	"	-	"		"	38
18	"		-	-	"		C	"	"	-	"		"	39
19	HP-7		MOTOR LOAD	3603	20	3	A	60	3	14771	MOTOR LOAD		HP-13	40
20	"		-	-	"		B	"	"	-	"		"	41
21	"		-	-	"		C	"	"	-	"		"	42

ALL CONNECTED	kVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	kVA		
TOTAL CONNECTED	74.00	205.4	* A-N	24666.3	205.4	CONNECTED	231.24	DATE:	Apr 15, 2025
TOTAL DEMAND	74.00	205.4	* B-N	24666.3	205.4	DEMAND	231.24	TIME:	12:24:24
TOTAL DESIGN	74.00	205.4	* C-N	24666.3	205.4	DESIGN	231.66		

1720_RP-HVAC-A_SEC_2

PANEL:	720 RP-HVAC-A SEC 2	DC DEVICE TYPE:	Breaker	ENCLOSURE:	NEMA 1	MAINS(A):	MLO	CONTINUOUS(A):	800
LOCATION:		DEVICE FAMILY:	Bolt On	MOUNTING:	Surface	WIRING:	3-Phase 4-Wire	BUS SC RATING(A):	22000
FED FROM:				VOLTAGE:	208/120			FAULT CURRENT(A):	18619
LIGHTING & APPLIANCE PANELBOARD TYPE I						PROVIDE WITH FEED-THRU LUGS			

CKT	DESCRIPTION	NOTES	DEMAND CODE	VA	DC AMPS	P	PHASE	DC AMPS	P	VA	DEMAND CODE	NOTES	DESCRIPTION	CKT
43	HP-1		MOTOR LOAD	9511	35	3	A	35	3	9511	MOTOR LOAD		HP-9	64
44	"		-	-	"		B	"	"	-	"		"	65
45	"		-	-	"		C	"	"	-	"		"	66
46	HP-2		MOTOR LOAD	9511	35	3	A	35	3	9511	MOTOR LOAD		HP-11	67
47	"		-	-	"		B	"	"	-	"		"	68
48	"		-	-	"		C	"	"	-	"		"	69
49	HP-3		MOTOR LOAD	5200	35	2	A	60	3	14771	MOTOR LOAD		HP-12	70
50	"		-	-	"		B	"	"	-	"		"	71
51	HP-4		MOTOR LOAD	5200	35	2	C	"	"	-	"		"	72
52	"		-	-	"		A	20	3	3603	MOTOR LOAD		HP-14	73
53	HP-5		MOTOR LOAD	5200	35	2	B	"	"	-	"		"	74
54	"		-	-	"		C	"	"	-	"		"	75
55	HP-6		MOTOR LOAD	5200	35	2	A	30	3	5044	MOTOR LOAD		HP-15	76
56	"		-	-	"		B	"	"	-	"		"	77
57	HP-7		MOTOR LOAD	5200	35	2	C	"	"	-	"		"	78
58	"		-	-	"		A	30	3	5044	MOTOR LOAD		HP-16	79
59	HP-8		MOTOR LOAD	5200	35	2	B	"	"	-	"		"	80
60	"		-	-	"		C	"	"	-	"		"	81
61	HP-10		MOTOR LOAD	5200	35	2	A	30	3	5044	MOTOR LOAD		HP-17	82
62	"		-	-	"		B	"	"	-	"		"	83
63	IH-1		HEATING	492	20	1	C	"	"	-	"		"	84

ALL CONNECTED	kVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	kVA		
TOTAL CONNECTED	108.34	306.9	* A-N	36849.6	306.9	CONNECTED	157.25	DATE:	Apr 15, 2025
TOTAL DEMAND	108.34	306.9	* B-N	36849.6	306.9	DEMAND	157.25	TIME:	12:24:24
TOTAL DESIGN	108.44	306.9	* C-N	34644.8	288.5	DESIGN	157.66		

1720_RP-HVAC-A_SEC_3

PANEL:	720 RP-HVAC-A SEC 3	DC DEVICE TYPE:	Breaker	ENCLOSURE:	NEMA 1	MAINS(A):	MLO	CONTINUOUS(A):	800
LOCATION:		DEVICE FAMILY:	Bolt On	MOUNTING:	Surface	WIRING:	3-Phase 4-Wire	BUS SC RATING(A):	22000
FED FROM:				VOLTAGE:	208/120			FAULT CURRENT(A):	18280
LIGHTING & APPLIANCE PANELBOARD TYPE I						PROVIDE AS EQUAL SECTION			

CKT	DESCRIPTION	NOTES	DEMAND CODE	VA	DC AMPS	P	PHASE	DC AMPS	P	VA	DEMAND CODE	NOTES	DESCRIPTION	CKT
85	HP-14		MOTOR LOAD	5200	35	2	A	20	1	0	SPARE		SPARE	106
86	"		-	-	"		B	20	1	0	SPARE		SPARE	107
87	HP-15		MOTOR LOAD	14411	50	3	C	20	1	0	SPARE		SPARE	108
88	"		-	-	"		A	20	1	0	SPARE		SPARE	109
89	"		-	-	"		B	20	1	0	SPARE		SPARE	110
90	HP-16		MOTOR LOAD	14411	50	3	C	20	1	0	SPARE		SPARE	111
91	"		-	-	"		A	20	1	0	SPARE		SPARE	112
92	"		-	-	"		B	20	1	0	SPARE		SPARE	113
93	HP-17		MOTOR LOAD	9367	35	3	C	20	1	0	SPARE		SPARE	114
94	"		-	-	"		A	20	1	0	SPARE		SPARE	115
95	"		-	-	"		B	20	1	0	SPARE		SPARE	116
96	IH-2		HEATING	1561	20	1	C	20	1	0	SPARE		SPARE	117
97	DAC-1		MOTOR LOAD	2662	30	2	A	20	1	0	SPARE		SPARE	118
98	"		-	-	"		B	20	1	0	SPARE		SPARE	119
99	DAMPERS 1-9		MOTOR LOAD	800	20	1	C	20	1	0	SPARE		SPARE	120
100	DAMPERS 10-17		MOTOR LOAD	800	20	1	A	20	1	0	SPARE		SPARE	121
101	SPARE		SPARE	0	20	1	B	20	1	0	SPARE		SPARE	122
102	SPARE		SPARE	0	20	1	C	20	1	0	SPARE		SPARE	123
103	SPARE		SPARE	0	20	1	A	20	1	0	SPARE		SPARE	124
104	SPARE		SPARE	0	20	1	B	20	1	0	SPARE		SPARE	125
105	SPARE		SPARE	0	20	1	C	20	1	0	SPARE		SPARE	126

ALL CONNECTED	kVA	MAX PH AMPS	* PHASE TOTALS	VA	AMPS	BUS TOTALS	kVA		
TOTAL CONNECTED	48.91	145.4	* A-N	17460.6	145.4	CONNECTED	48.91	DATE:	Apr 15, 2025
TOTAL DEMAND	48.91	145.4	* B-N	16660.6	138.7	DEMAND	48.91	TIME:	12:24:24
TOTAL DESIGN	49.23	145.4	* C-N	14808.0	123.3	DESIGN	49.23		

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FAX: 205-942-0688
HCC NO: 24031 24031BDLDWG
4-16-25 ED/BI

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CITY OF LINCOLN, ALABAMA

NEW CITY OF LINCOLN
POLICE DEPARTMENT
LINCOLN, ALABAMA

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256-820-9897
Attn: Randy Whorton

ELECTRICAL ENGINEER
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P.O. Box 250
Pinson, AL 35126
205-942-0696
Attn: Tony Dodd

ISSUE:
03.31.25 BID
04.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
PANELBOARD SCHEDULES

SHEET
E00.5

ALABAMA LICENSED PROFESSIONAL ENGINEER KENNETH E. CHEATWOOD 20063
03.31.25

FLOOR PLAN - BASE BID

LIGHTING

0 2 4 6 8 16

SCALE 1/8" = 1'-0"

NOTES:

1. THERE SHALL BE NO PENETRATIONS LARGER THAN 2" INTO THE EXTENT OF THE TORNADO SHELTER, PER ICC 309.1.

2. CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SO THAT THEY DO NOT PENETRATE STORM SHELTER WALLS OR CEILINGS TO THE GREATEST EXTENT POSSIBLE. ANY PENETRATIONS(S) REQUIRED IN THE STORM SHELTER SHALL BE LESS THAN 2" AND SHALL CONFORM TO ICC 500.

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ISSUE:
03.31.25 BID
04.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
FLOOR PLAN - LIGHTING

SHEET
E10.0

ALABAMA LICENSED 20063 PROFESSIONAL ENGINEER KENNETH E. CHEATWOOD JR.
4/16/2025

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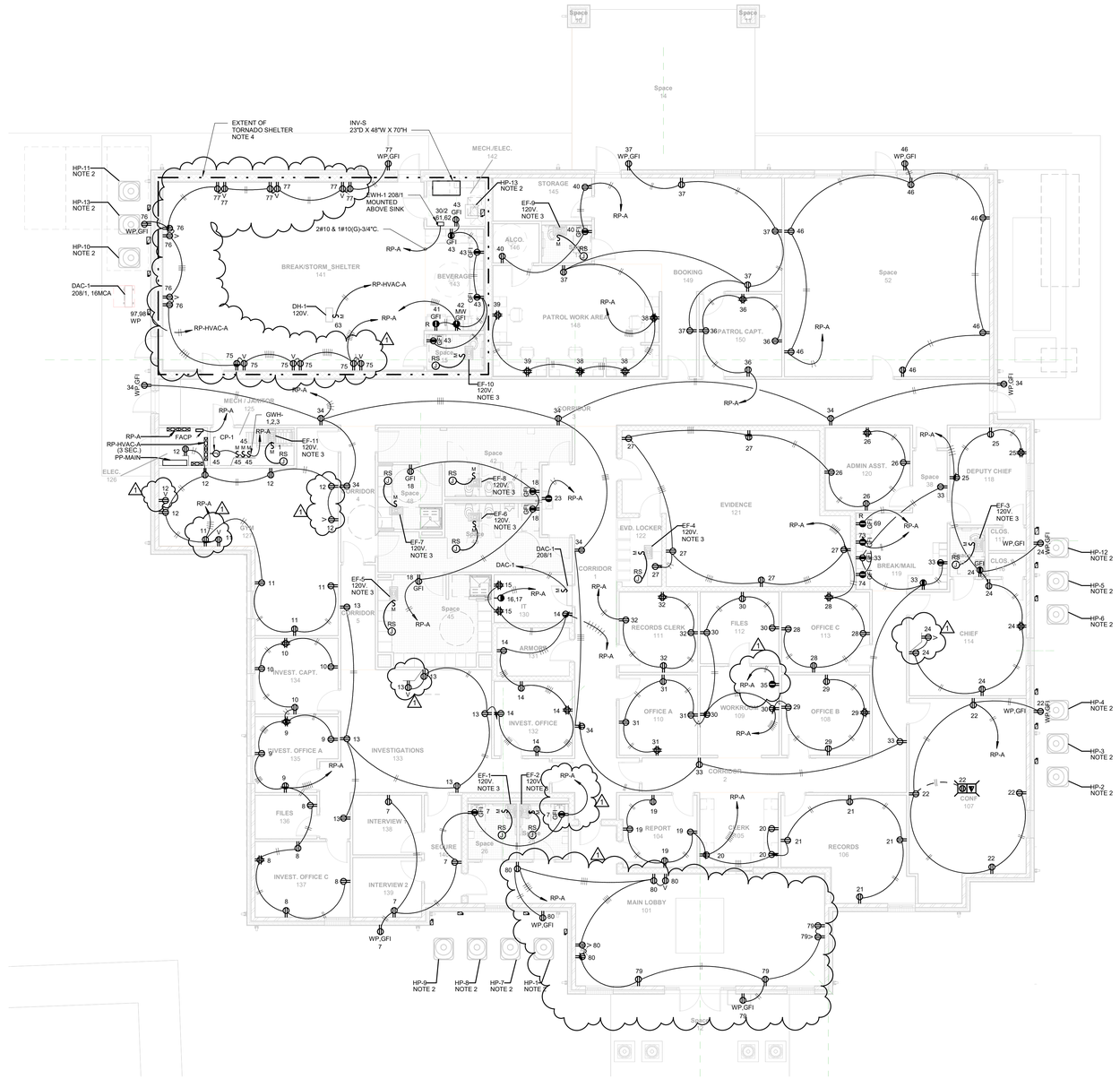

FLOOR PLAN - BASE BID

POWER

0 2 4 6 8 16

SCALE 1/8" = 1'-0"

NOTES:

1. THERE SHALL BE NO PENETRATIONS LARGER THAN 2" INTO THE EXTENT OF THE TORNADO SHELTER, PER ICC 309.1.

2. REFER TO SHEET E00.4 FOR ADDITIONAL ELECTRICAL INFORMATION AND REQUIREMENTS.

3. EXHAUST FAN TO BE CONNECTED AND CONTROLED BY LIGHTING CONTROLS.

4. CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SO THAT THEY DO NOT PENETRATE STORM SHELTER WALLS OR CEILINGS TO THE GREATEST EXTENT POSSIBLE. ANY PENETRATIONS(S) REQUIRED IN THE STORM SHELTER SHALL BE LESS THAN 2" AND SHALL CONFORM TO ICC 500.

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ISSUE:
03.31.25 BID
04.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
FLOOR PLAN - POWER

SHEET
E10.1

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 20063
KENNETH E. CHEATWOOD, JR.
04/16/25

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HCC NO. 24020

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NEW CITY OF LINCOLN POLICE DEPARTMENT LINCOLN, ALABAMA

FLOOR PLAN - BASE BID

AUXILIARY

0 2 4 6 8 16

SCALE 1/8" = 1'-0"

NOTES:

1. THERE SHALL BE NO PENETRATIONS LARGER THAN 2" INTO THE EXTENT OF THE TORNADO SHELTER, PER ICC 309.1.

2. CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SO THAT THEY DO NOT PENETRATE STORM SHELTER WALLS OR CEILINGS TO THE GREATEST EXTENT POSSIBLE. ANY PENETRATIONS(S) REQUIRED IN THE STORM SHELTER SHALL BE LESS THAN 2" AND SHALL CONFORM TO ICC 309.

3. CONTRACTOR TO INSTALL EMPTY J HOOKS FOR FUTURE DATA. COORDINATE WITH ARCHITECTURAL FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

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Attn: Tony Dodd

ISSUE:
03.31.25 BID
04.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
FLOOR PLAN - AUXILIARY

SHEET
E10.2

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 22063
KEITH E. CHEATWOOD
3.31.25

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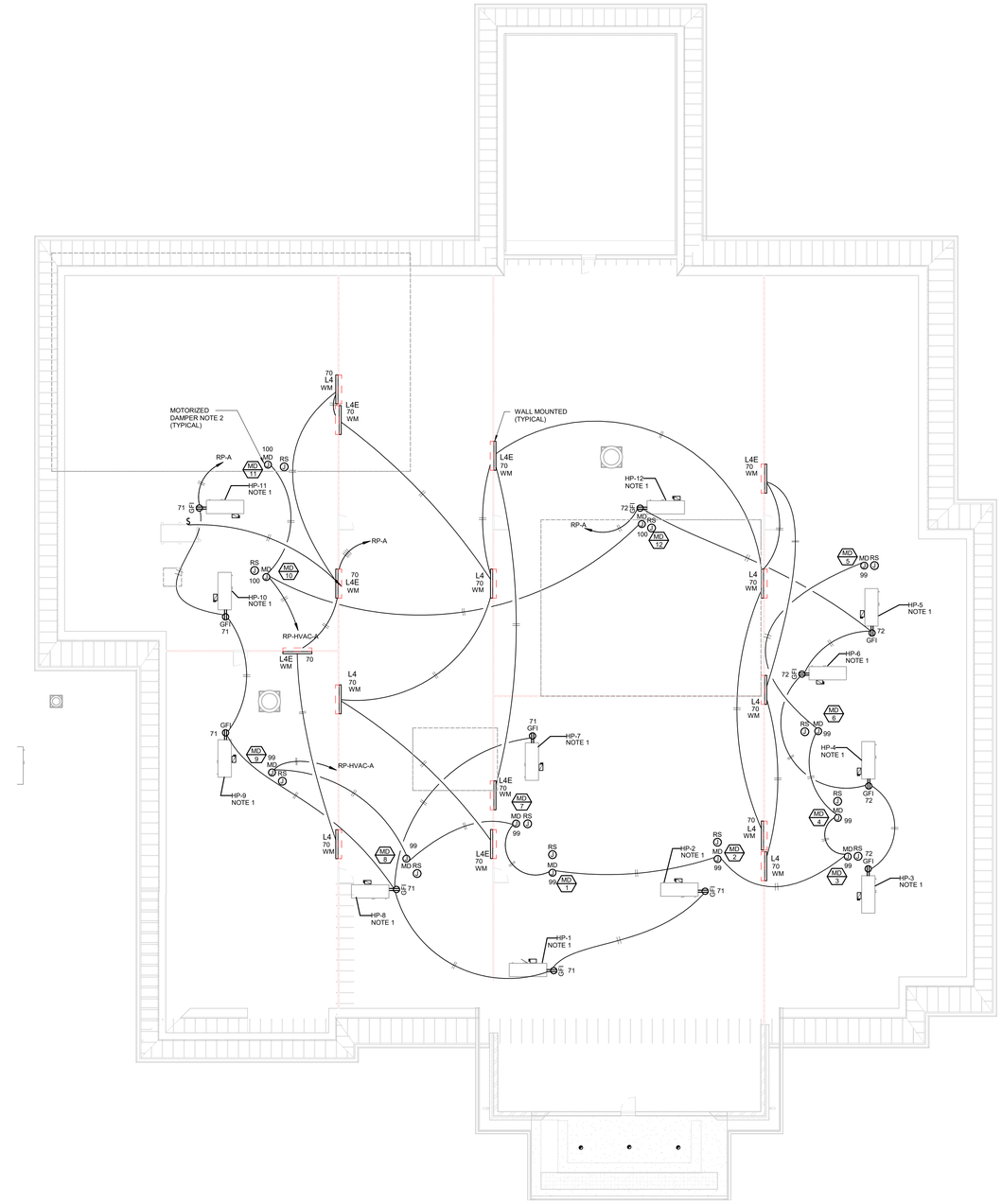

ATTIC PLAN - BASE BID

ELECTRICAL

0 2 4 6 8 16

SCALE 1/8" = 1'-0"

NOTES:

1. REFER TO SHEET E00.4 FOR ADDITIONAL ELECTRICAL INFORMATION AND REQUIREMENTS.

2. 120V. MOTORIZED DAMPER TO BE CONNECTED AND CONTROLLED BY LIGHTING CONTROLS, COORDINATE WITH MECHANICAL DRAWINGS, SHEET M3.2 FOR EXACT LOCATION .

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Attn: Tony Dodd

ISSUE:
03.31.25 BID
04.16.25 ADD #2

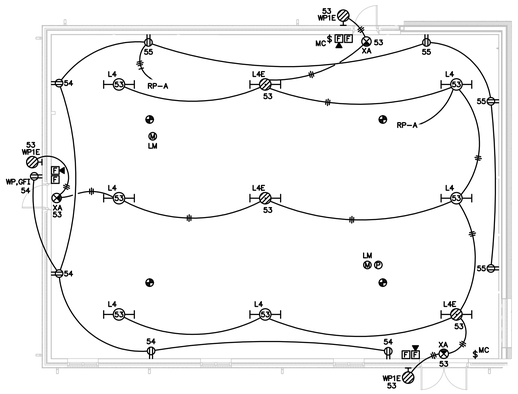
JOB NO.
24001

DESCRIPTION:
ATTIC PLAN - ELECTRICAL

SHEET
E10.3

ALABAMA LICENSED 20043 PROFESSIONAL ENGINEER KEITH E. CHEATWOOD JR.
23125

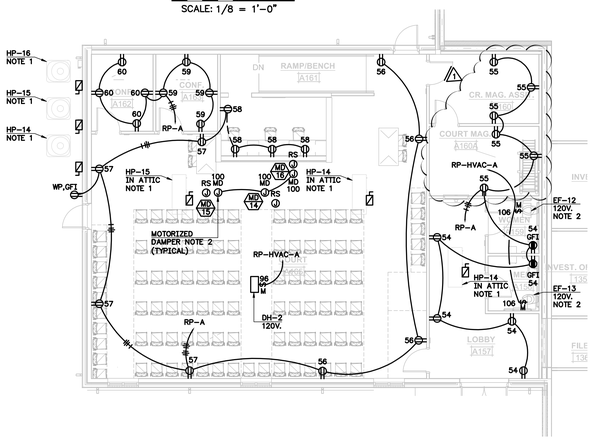
4/16/2025 12:25:12 PM



PARTIAL FLOOR PLAN
ELECTRICAL – ALTERNATE COURT ROOM SHELL

0 4 8 16

SCALE: 1/8 = 1'-0"



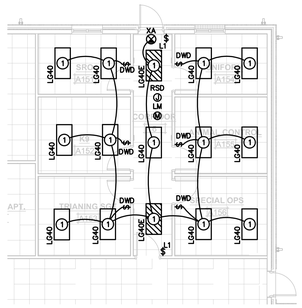
PARTIAL FLOOR PLAN
POWER – ALTERNATE COURT ROOM FULL INTERIOR

0 4 8 16

SCALE: 1/8 = 1'-0"

NOTES:

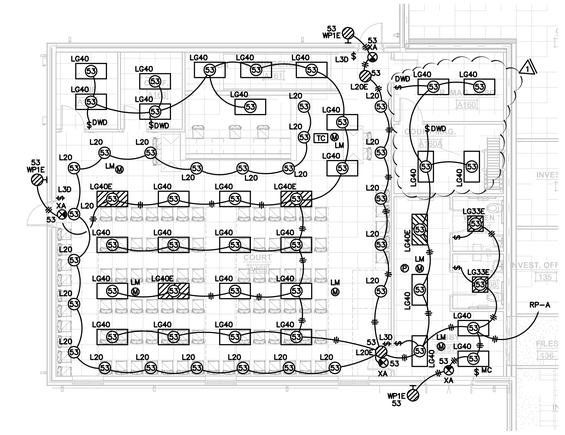
1. REFER TO SHEET E00.4 FOR ADDITIONAL ELECTRICAL INFORMATION AND REQUIREMENTS.
2. EXHAUST FAN TO BE CONNECTED TO LIGHTING CONTROLS.
3. 120V. MOTORIZED DAMPER, LOCATED IN ATTIC, TO BE CONNECTED AND CONTROLLED BY LIGHTING CONTROLS. COORDINATE WITH MECHANICAL DRAWINGS, SHEET M3.2 FOR EXACT LOCATION.



PARTIAL FLOOR PLAN
LIGHTING – ALTERNATE BUILD OUT 6 OFFICES

0 4 8 16

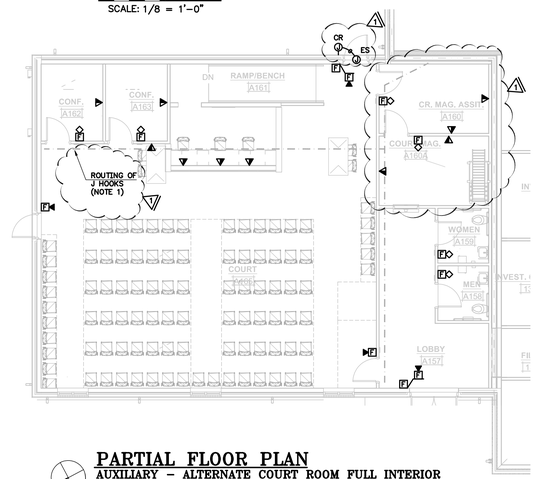
SCALE: 1/8 = 1'-0"



PARTIAL FLOOR PLAN
LIGHTING – ALTERNATE COURT ROOM FULL INTERIOR

0 4 8 16

SCALE: 1/8 = 1'-0"



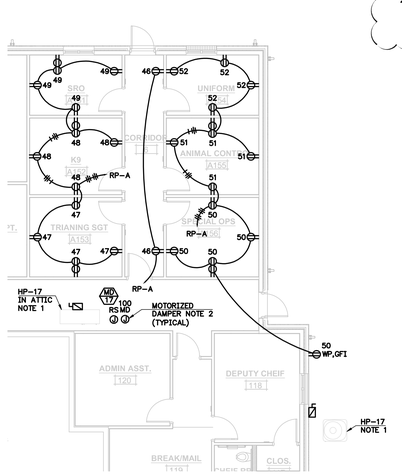
PARTIAL FLOOR PLAN
AUXILIARY – ALTERNATE COURT ROOM FULL INTERIOR

0 4 8 16

SCALE: 1/8 = 1'-0"

NOTES:

1. CONTRACTOR TO INSTALL EMPTY J HOOKS FOR FUTURE DATA. COORDINATE WITH ARCHITECTURAL FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SO THAT THEY DO NOT PENETRATE STORM SHELTER WALLS OR CEILINGS TO THE GREATEST EXTENT POSSIBLE. ANY PENETRATION(S) REQUIRED IN THE STORM SHELTER SHALL BE LESS THAN 2" AND SHALL CONFORM TO ICC 500.



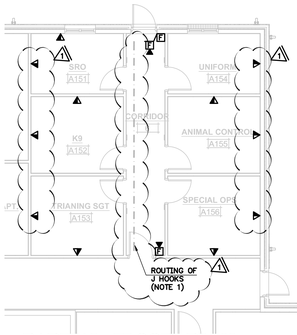
PARTIAL FLOOR PLAN
POWER – ALTERNATE BUILD OUT 6 OFFICES

0 4 8 16

SCALE: 1/8 = 1'-0"

NOTES:

1. REFER TO SHEET E00.4 FOR ADDITIONAL ELECTRICAL INFORMATION AND REQUIREMENTS.
2. 120V. MOTORIZED DAMPER, LOCATED IN ATTIC, TO BE CONNECTED AND CONTROLLED BY LIGHTING CONTROLS. COORDINATE WITH MECHANICAL DRAWINGS, SHEET M3.2 FOR EXACT LOCATION.



PARTIAL FLOOR PLAN
AUXILIARY – ALTERNATE BUILD OUT 6 OFFICES

0 4 8 16

SCALE: 1/8 = 1'-0"

NOTES:

1. CONTRACTOR TO INSTALL EMPTY J HOOKS FOR FUTURE DATA. COORDINATE WITH ARCHITECTURAL FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

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04.16.25 ADD #2

JOB NO.
24001

DESCRIPTION:
PARTIAL ALTERNATE FLOOR PLANS - ELECTRICAL

SHEET
E11.0

ALABAMA
LICENSED
20063
PROFESSIONAL
ENGINEER
KEITH E. CHEATWOOD, JR.
03/25

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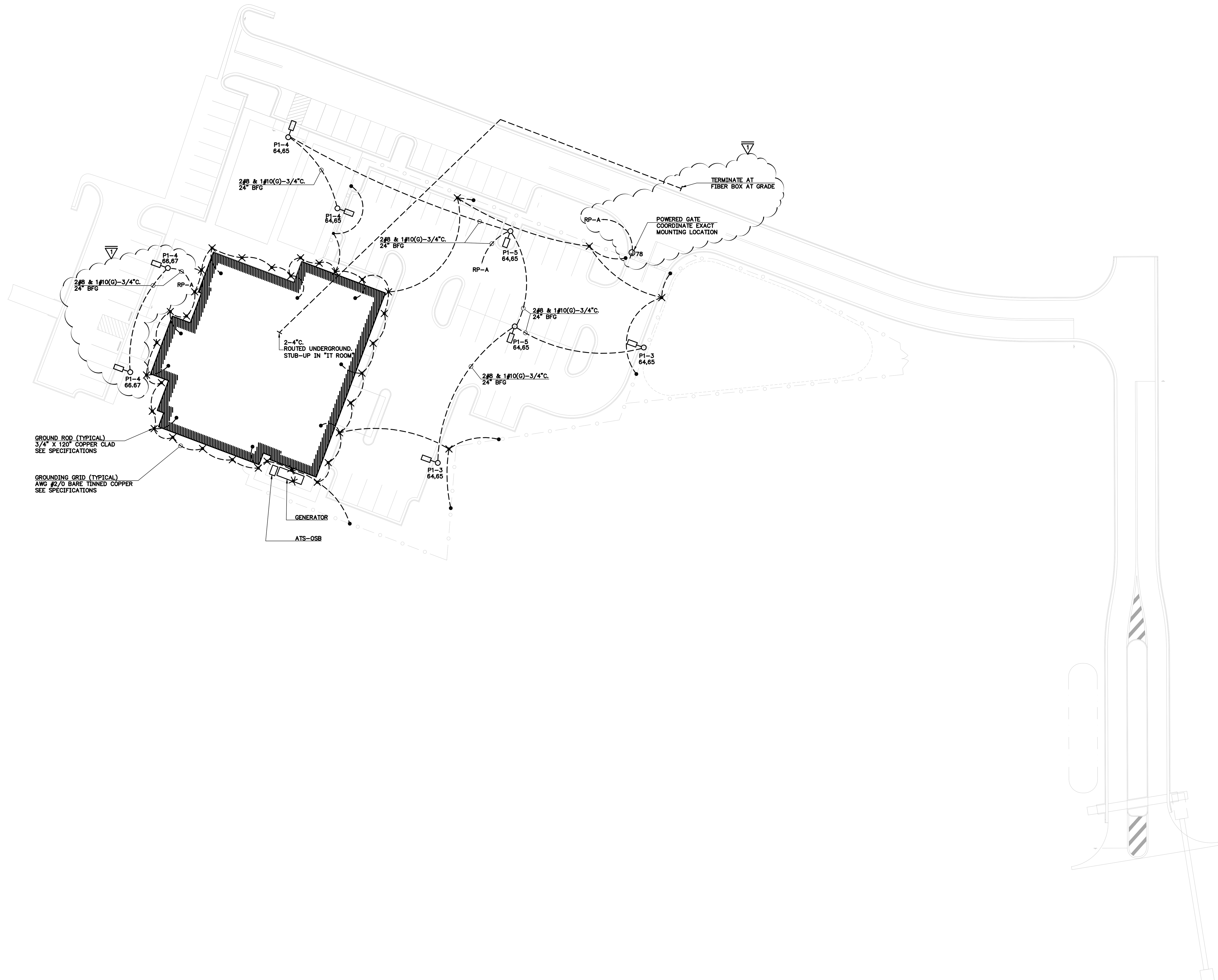
4/16/25 12:19



SITE PLAN - BASE BID

ELECTRICAL

0 15 30 60

SCALE: 1" = 30'-0"

NOTES:

1. PROVIDE #2 AWG STRANDED TINNED COPPER FROM CHAIN LINK FENCE POST TO COUNTERPOISE SYSTEM AS SHOWN.

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SITE PLAN - ELECTRICAL

SHEET
E20.0

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HCC NO: 24031 24031SOLDWG
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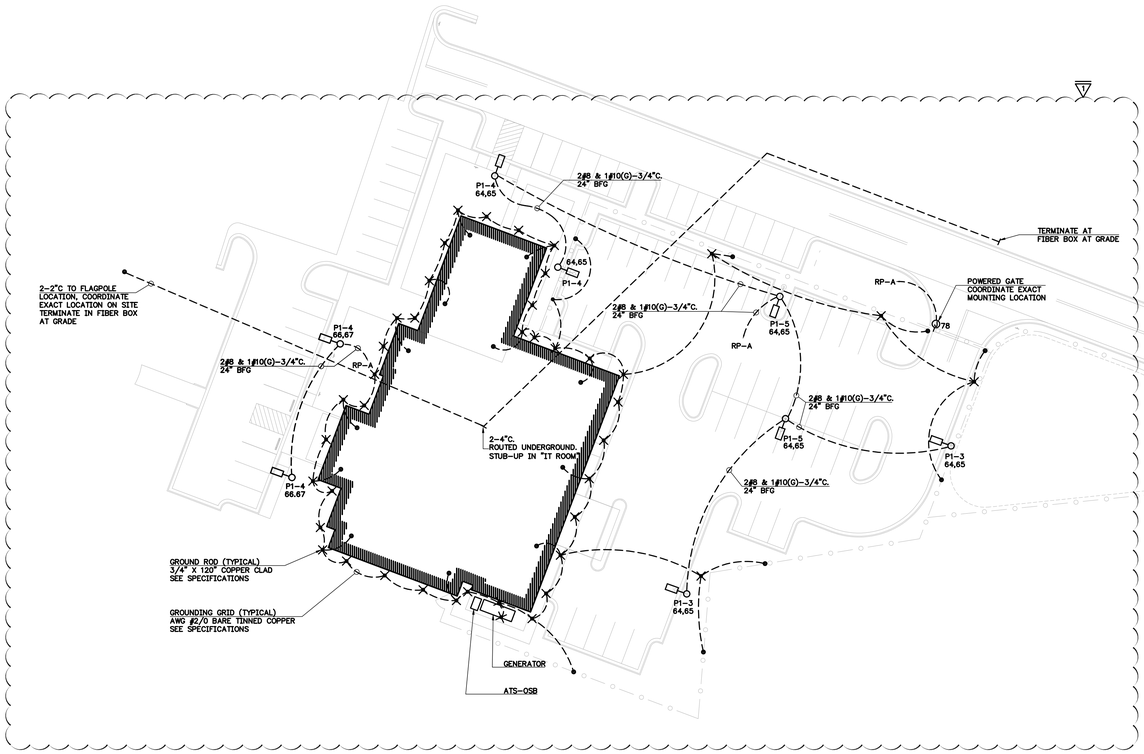

N

SITE PLAN – ALTERNATE
ELECTRICAL

0 15 30 60

SCALE: 1" = 30'-0"

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24001

DESCRIPTION:
SITE PLAN - ALTERNATE - ELECTRICAL

SHEET
E20.1

ALABAMA
LICENSED
20063
PROFESSIONAL
ENGINEER
ANTHONY E. CHEATWOOD, JR.
03/31/25